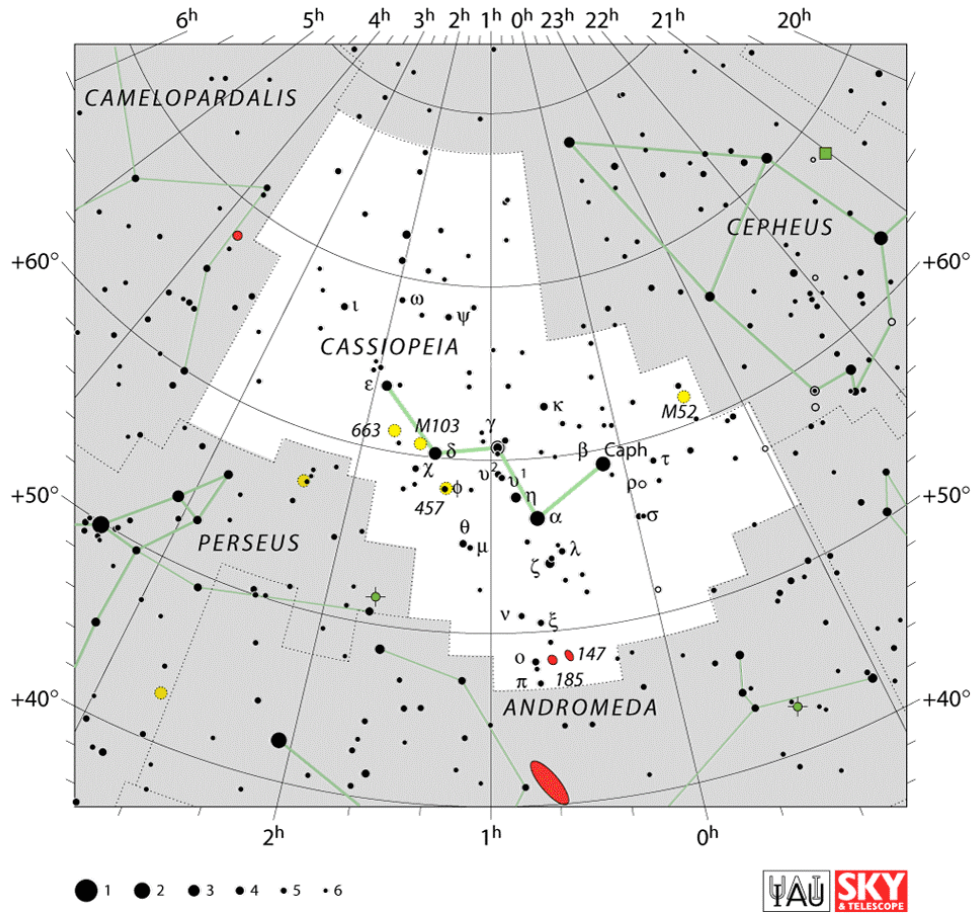


# Constellation of the Month - Cassiopeia

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

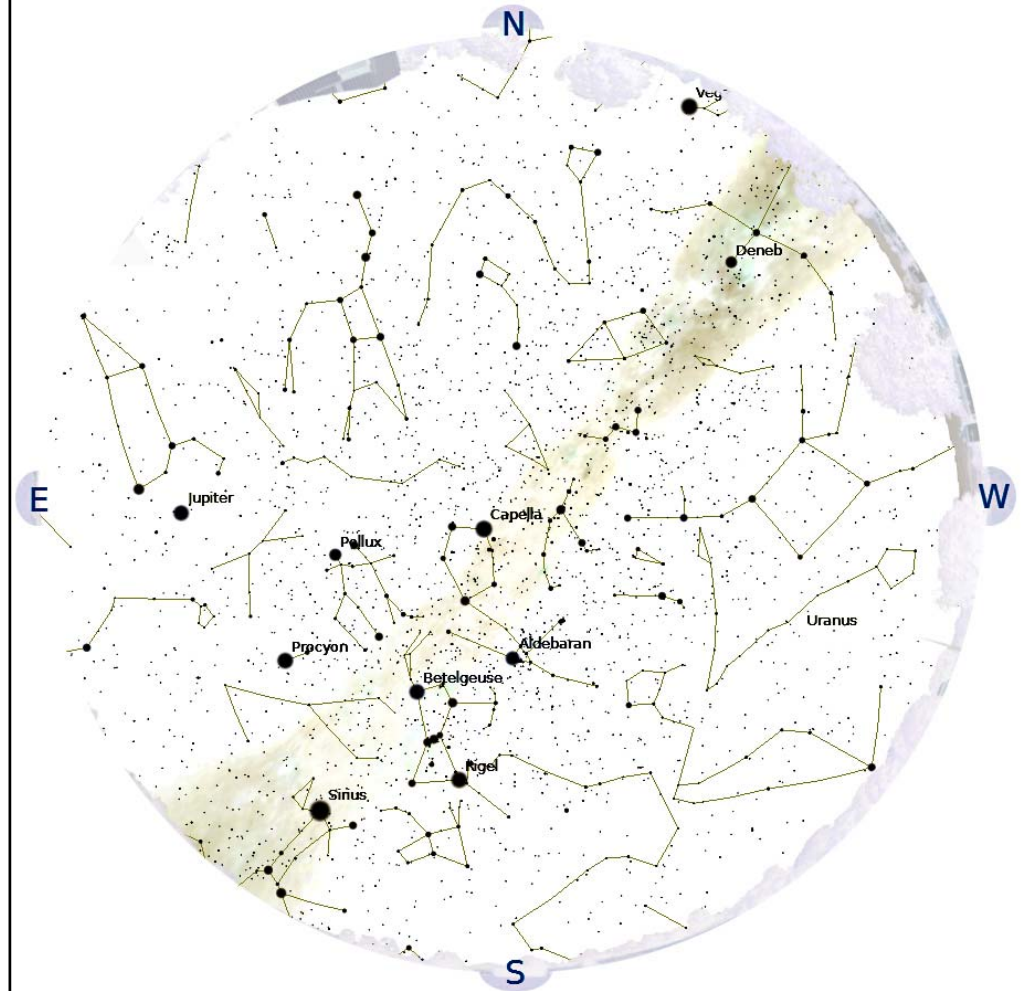
The Constellation of the Month will be selected from one that is readily visible most of the night during the month.



# Rugby & District Astronomical Society Sky Notes

by Chris Longthorn

Dec 2015, no 78



## Rugby & District Astronomical Society

[www.rugbyastro.org.uk](http://www.rugbyastro.org.uk)




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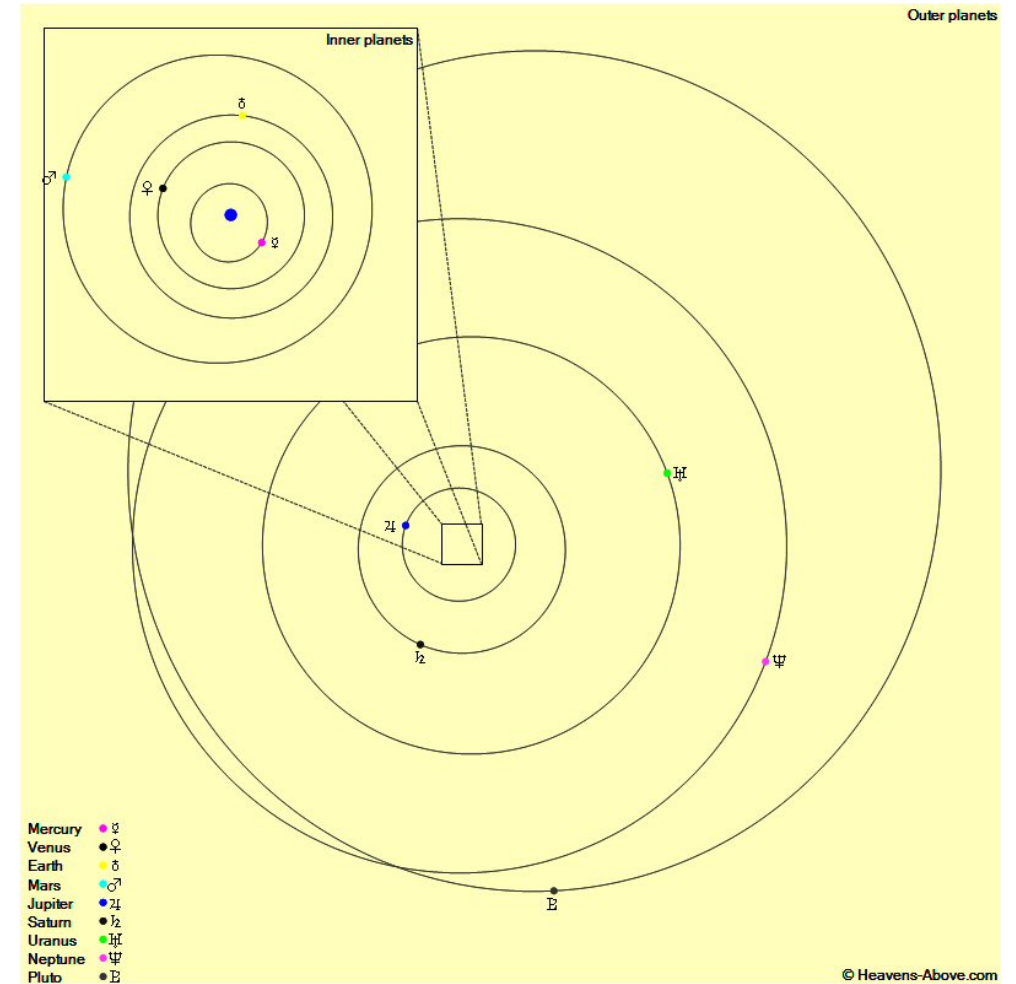
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The night sky at 23:00 U.T.C., December 15th  
2015N

## 2015 December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 Venus 43.3° W	2	 3 Last Quarter 07:41	4 Moon-Jupiter 06:21 Moon A Node 18:33	5 Moon Apogee 14:56 Iridium 55 18:01 -6.9 33° 202°
6 Moon-Mars 02:40	7 Moon-Venus 16:55	8	9	10	 11 New Moon 10:29	12 Moon S Dec 08:15 R&DAS Ob- serving @ Barby 18:00
13 R&DAS Christmas Dinner  Iridium 5 19:18 -6.2 18° 186°	14 Geminids 17:48  Iridium 8 19:11 -6.3 20° 186°	15	16	17	 18 Moon D Node 15:13 First Quarter 15:14  CAWAS Ob- serving @ Prince- thorpe 18:00	19
20	21 Moon Perigee 08:53	22 Winter Sol 04:48	23 Ursids 02:00 Mars-Spica 14:16 Moon-Aldeb 19:09	24	 25 Moon N Dec 07:30 Full Moon 11:11  ISS -2.3 19:20 31° N	26
27	28	29 Mercury East 02:59 Moon-Regulus 20:30	30	31 Moon-Jupiter 17:55 Moon A Node 20:19  Iridium 12 19:42 -5.5 12° 184°		

## The Planets, mid month.



**Mercury** is in Sagittarius with a magnitude of -0.6, a phase of 89%, and a diameter of 5". It rises at 09:33, transits at 13:06, and sets at 16:40. It is visible low in the west after sunset.

**Venus** is in Libra with a magnitude of -4.1, a phase of 72%, and a diameter of 16". It rises at 04:18, transits at 09:12, and sets at 14:04. It is visible in the morning sky.

**Mars** is in Virgo with a magnitude of +1.4, a phase of 92%, and a diameter of 5". It rises at 02:12, transits at 07:43, and sets at 13:15. It is visible in the morning sky.

**Jupiter** is in Leo with a magnitude of -2.0 and a diameter of 37". It transits at 06:04, sets at 12:29, and rises again at 23:37. It is visible in the morning sky.

**Saturn** is in Ophiuchus with a magnitude of +0.5 and a diameter of 15". It rises at 06:52, transits at 11:01, and sets at 15:11. It is visible low in the east before sunrise.

**Uranus** is in Pisces with a magnitude of +5.8 and a diameter of 4". It sets at 02:08, rises again at 12:57, and transits at 19:31. It is visible in the evening sky.

**Neptune** is in Aquarius with a magnitude of +7.9 and a diameter of 2". It rises at 11:54, transits at 17:06, and sets at 22:18. It is visible in the evening sky.