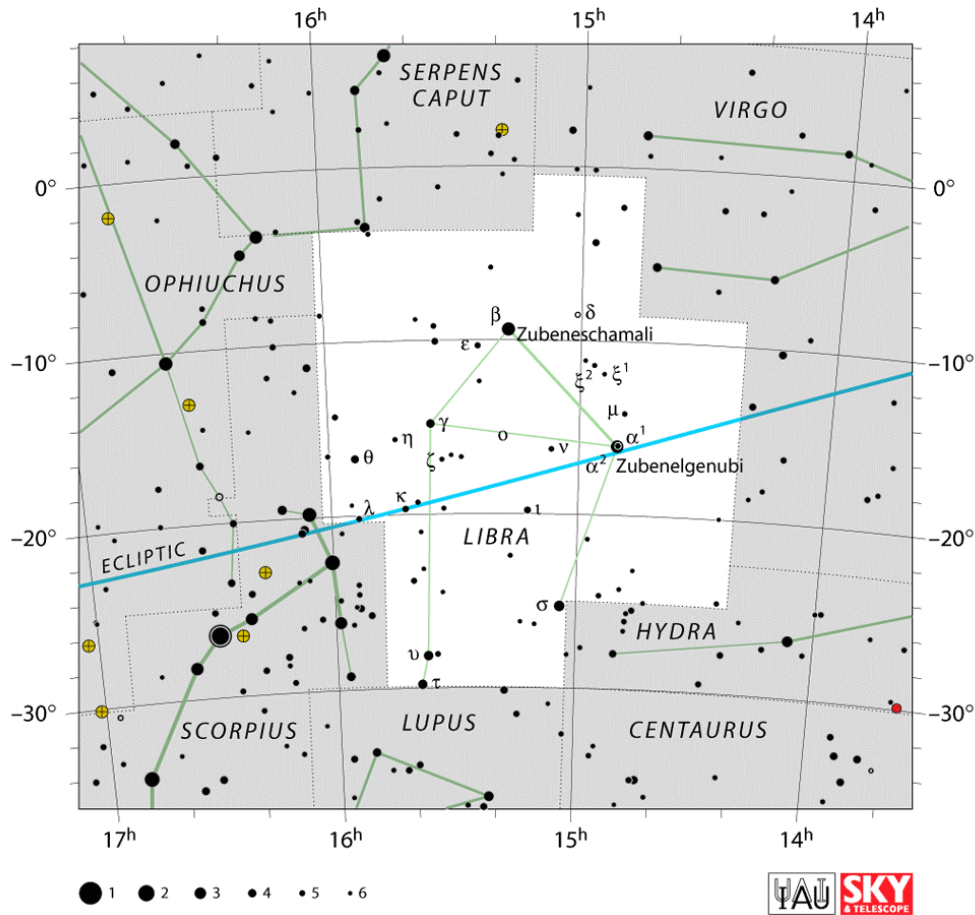


# Constellation of the Month - Libra

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.

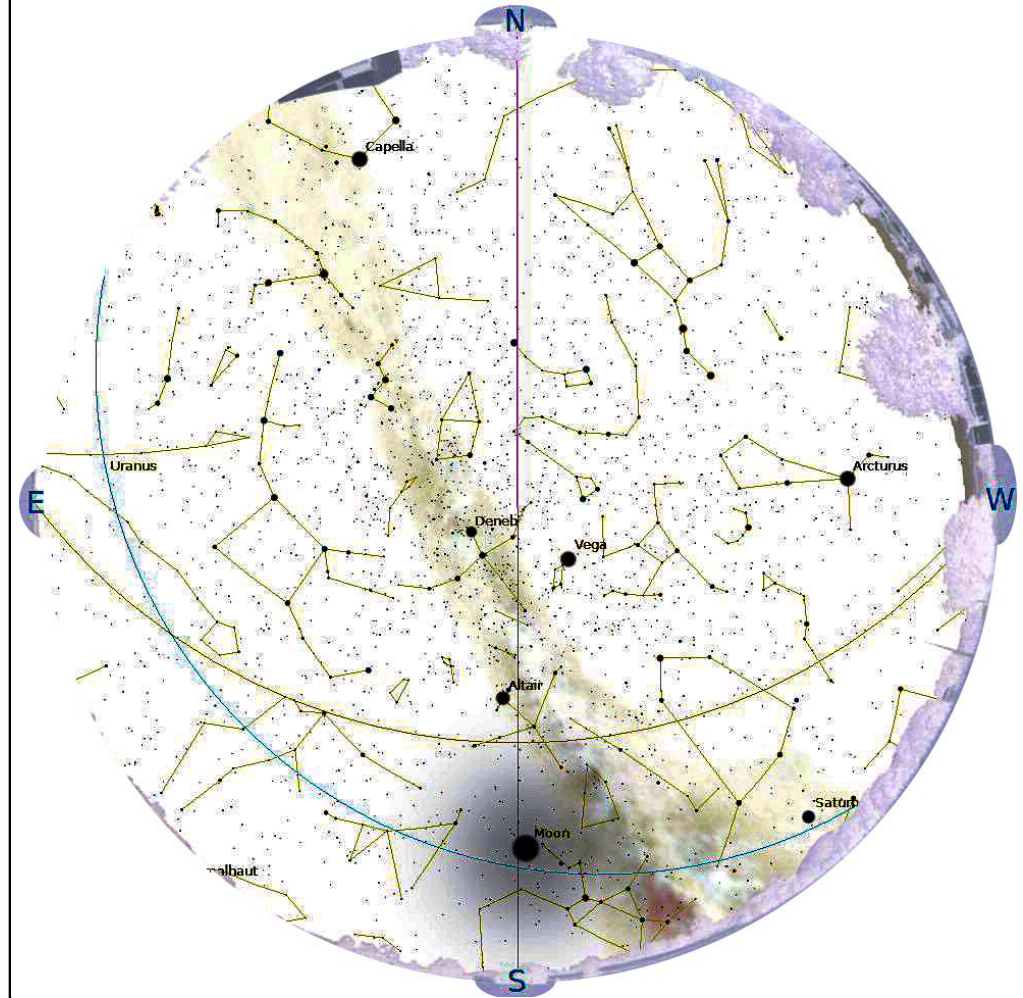


# Rugby & District Astronomical Society

## Sky Notes

by Chris Longthorn

August 2016, no 85



### Rugby & District Astronomical Society

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





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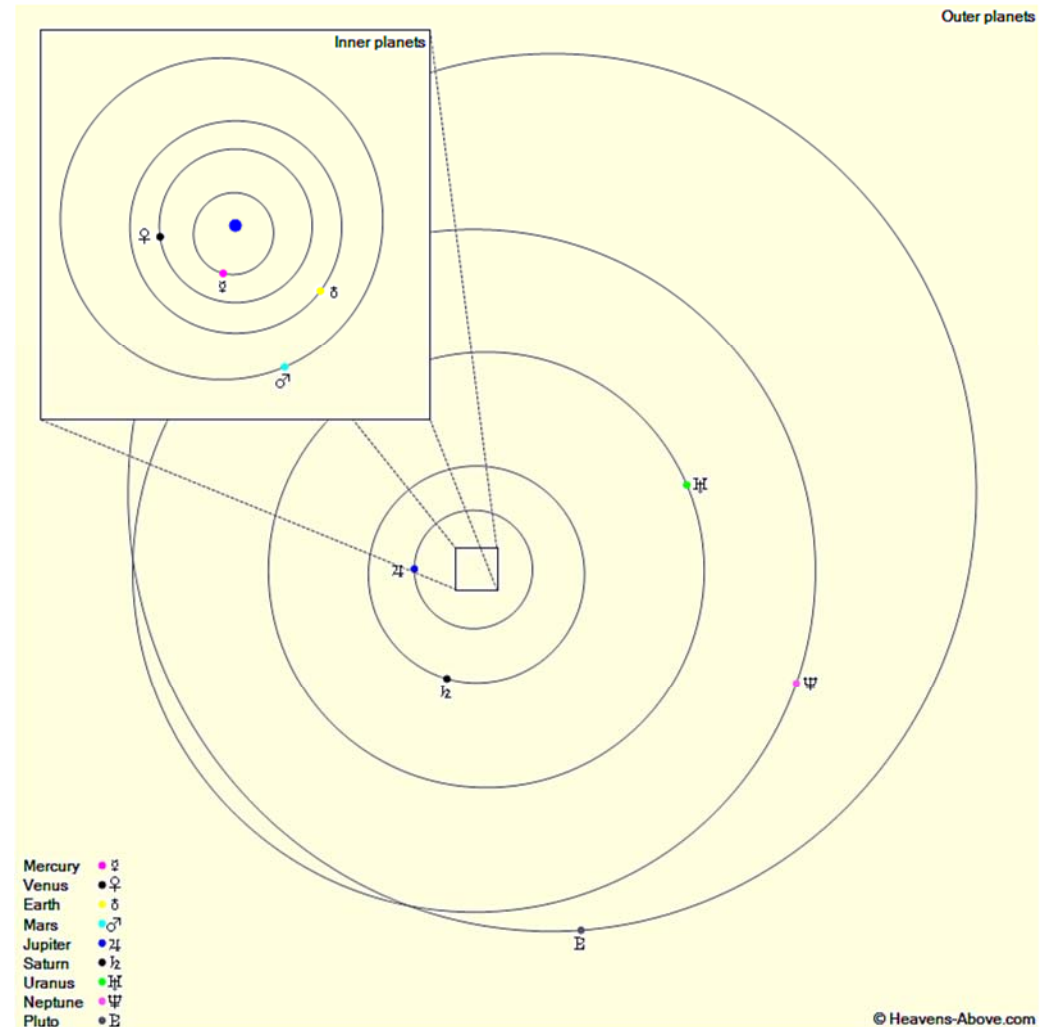
The night sky at 23:00 U.T.C., August 15th 2016

## 2016 August

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	<b>1</b> Venus 15.3° E ISS, -3.5, 23:05, 80°, S Iridium 96 21:48, -8.2, 56°, 57° (ENE)	 <b>2</b> New Moon 21:45 ISS, -3.4, 22:12, 78°, S Iridium 19 21:42, -8.2, 58°, 59° (ENE)	<b>3</b> ISS, -3.4, 22:56, 73°, S	<b>4</b> Moon-Venus 07:19 Moon-Mercury 23:12 ISS, -3.4, 22:03, 80°, S ISS, -2.7, 23:3905, 40°, SW	<b>5</b> Moon A Node 08:48 Venus-Reg. 12:57 ISS, -3.2, 22:46, 56°, SSW	<b>6</b> Moon-Jupiter 04:28 ISS, -3.3, 21:53, 70°, S
<b>7</b> ISS, -2.6, 22:36, 38°, SSW	<b>8</b> ISS, -3.0, 21:43, 52°, SSW	<b>9</b> Iridium 19 21:09, -8.0, 67°, 73° (ENE)	 <b>10</b> Moon Apogee 01:05 First Quarter 19:21 ISS, -2.3, 21:33, 35°, SSW	<b>11</b>	<b>12</b> Moon-Saturn 13:10 Perseids 13:26	<b>13</b>
<b>14</b> Moon S Dec 14:05 Iridium 10 22:23, -7.7, 41°, 52° (NE)	<b>15</b>	<b>16</b> Mercury East 21:59 Iridium 19 20:36, -8.3, 74°, 98° (E)	<b>17</b>	 <b>18</b> Full Moon 10:27	<b>19</b> Moon D Node 15:14	<b>20</b> Mercury-Jup 06:34
<b>21</b> R&DAS meeting 7:30 Church Lawford	<b>22</b> Moon Perigee 02:20	<b>23</b>	<b>24</b> Mars-Antares 06:09	 <b>25</b> Mars-Sat 02:11 Last Quarter 04:41 Moon-Aldeb 17:21	<b>26</b>	<b>27</b> Moon N Dec 12:17 Venus-Jup 22:53
<b>28</b> Mercury-Ven 21:09	<b>29</b>	<b>30</b>	<b>31</b> Iridium 40 22:34, -7.1, 27°, 129° (SE)			

Sky Events Calendar by Fred Espenak and Sumit Dutta (NASA's GSFC)  
 ISS, Iridium Data and Solar System Map courtesy of Heavens-Above (www.heavens-above.com)

## The Planets, mid month.



**Mercury** is in Leo with a magnitude of +0.3, a phase of 52%, and a diameter of 7". It rises at 08:39, transits at 14:55, and sets at 21:10. It is visible low in the west after sunset.

**Venus** is in Leo with a magnitude of -3.9, a phase of 94%, and a diameter of 10". It rises at 07:39, transits at 14:29, and sets at 21:18. It is visible low in the west after sunset.

**Mars** is in Scorpius with a magnitude of -0.5, a phase of 86%, and a diameter of 12". It rises at 16:07, transits at 19:44, and sets at 23:21. 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 08:56, transits at 15:15, and sets at 21:35. It is visible in the evening sky.

**Saturn** is in Ophiuchus with a magnitude of +0.4 and a diameter of 17". It sets at 00:13, rises again at 16:01, and transits at 20:05. It is visible in the evening sky.

**Uranus** is in Pisces with a magnitude of +5.8 and a diameter of 4". It transits at 05:05, sets at 11:57, and rises again at 22:10. It is visible in the morning sky.

**Neptune** is in Aquarius with a magnitude of +7.8 and a diameter of 2". It transits at 02:26, sets at 07:44, and rises again at 21:04. It is well placed for observation throughout the night.