

# M6 The Butterfly Cluster (Open Cluster, Scorpius)

Continuing a series of photograph's of the Messier Objects

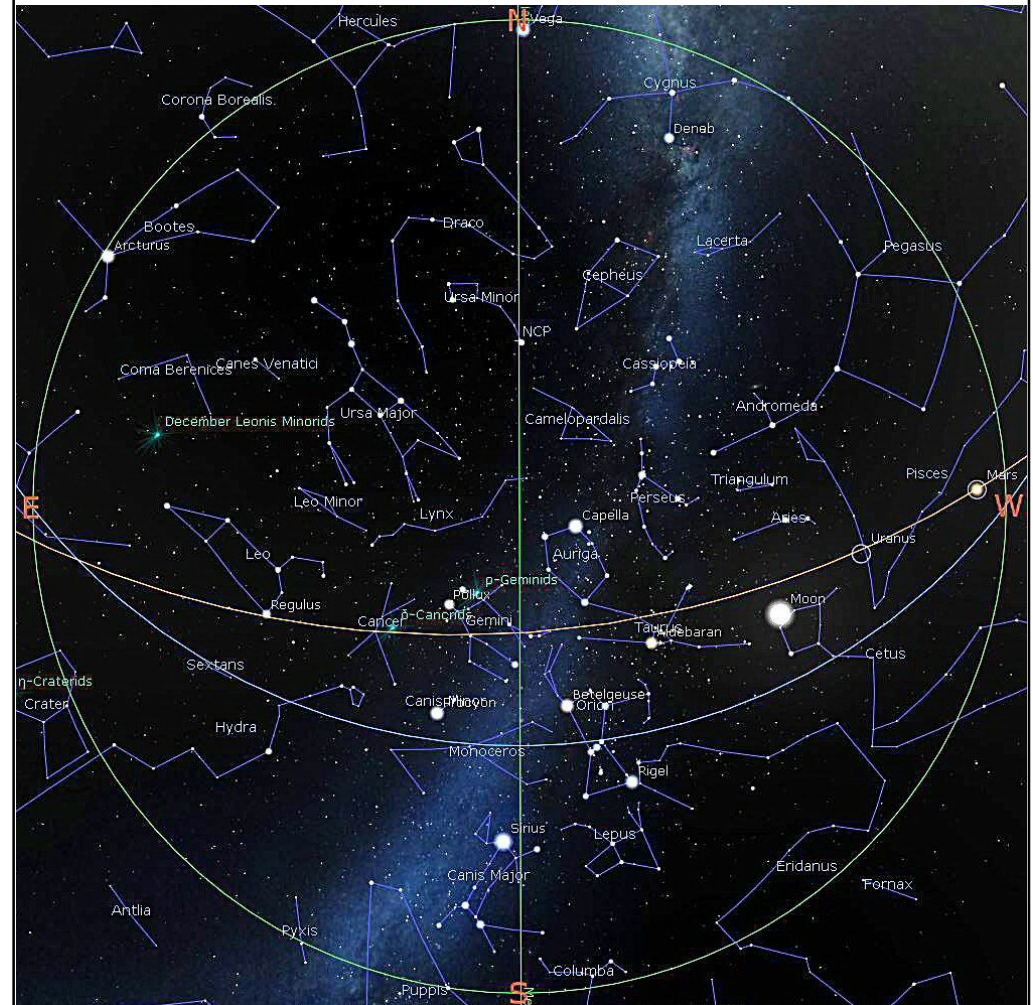


## Rugby & District Astronomical Society

### Sky Notes

by Chris Longthorn

January 2019, no 113



The night sky at 23:00 U.T.C., January 15th 2019

#### Rugby & District Astronomical Society

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

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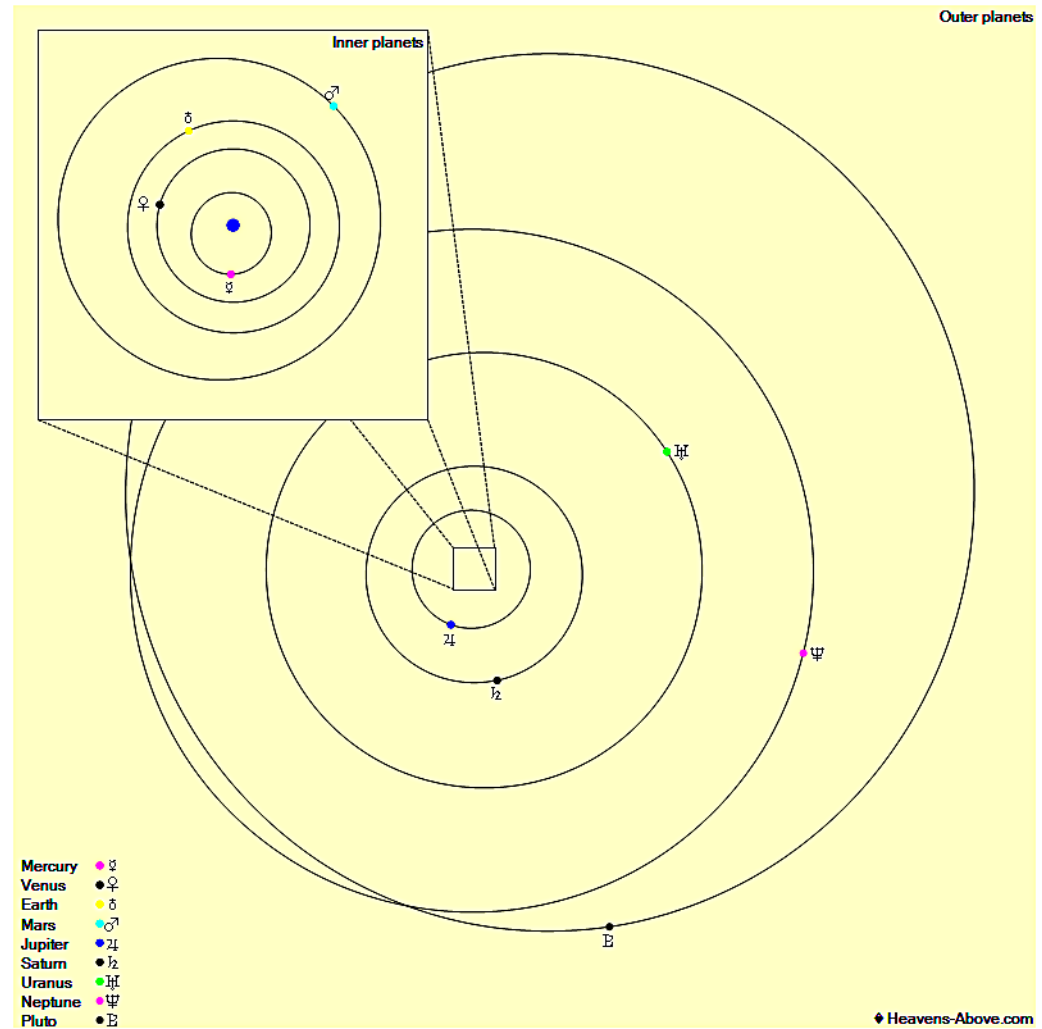
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# 2019 January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		<b>1</b> <b>Venus</b> <b>46.9° W</b> <b>Moon-Venus</b> <b>21:50</b> <b>ISS, -3.8,</b> <b>06:59, 80°,</b> <b>S</b>	<b>2</b> <b>Saturn</b> <b>Sun 04:53</b> <b>ISS, -3.9,</b> <b>06:07, 79°,</b> <b>S</b>	<b>3</b> <b>Moon-Jupiter</b> <b>07:37</b> <b>Perihelion</b> <b>09:59</b> <b>ISS, -3.7,</b> <b>06:51, 70°,</b> <b>S</b>	<b>4</b> <b>Quadrantids 02:28</b> <b>ISS, -3.9,</b> <b>05:58, 79°,</b> <b>S</b>	<b>5</b> <b>Moon S</b> <b>Dec 18:46</b> <b>ISS, -3.4,</b> <b>06:42, 52°,</b> <b>SSW</b>
<b>6</b> <b>New Moon</b> <b>01:28</b> <b>Par Solar</b> <b>Ec 01:41</b> <b>Venus West</b> <b>04:59</b> <b>ISS, -3.6,</b> <b>05:50, 62°,</b> <b>SSE</b>	<b>7</b> <b>Moon D Node</b> <b>00:08</b>	8	<b>9</b> <b>Moon Apogee</b> <b>04:29</b>	10	11	12
13	<b>14</b> <b>First Quarter</b> <b>06:46</b>	15	16	<b>17</b> <b>Moon-Aldeb</b> <b>18:20</b>	18	<b>19</b> <b>Moon N</b> <b>Dec 23:20</b>
<b>20</b> <b>Moon A Node</b> <b>22:48</b> <b>R&amp;DAS Quiz Night,</b> <b>19:30</b>	<b>21</b> <b>Total Lun Ec 05:12</b> <b>Full Moon</b> <b>05:16</b> <b>Moon Perigee</b> <b>19:58</b>	<b>22</b> <b>Venus-Jup</b> <b>15:10</b>	<b>23</b> <b>Moon-Regulus</b> <b>01:41</b>	24	25	26
<b>27</b> <b>Last Quarter</b> <b>21:11</b> <b>ISS, -3.4,</b> <b>18:35, 47°,</b> <b>SSE</b>	28	<b>29</b> <b>ISS, -3.7,</b> <b>18:25, 66°,</b> <b>SSE</b>	<b>30</b> <b>Mercury Super</b> <b>02:46</b> <b>Moon-Jupiter</b> <b>23:54</b> <b>ISS, -3.3,</b> <b>17:33, 51°,</b> <b>SSE</b> <b>ISS, -3.4,</b> <b>19:09, 61°,</b> <b>WSW</b>	<b>31</b> <b>Moon-Venus</b> <b>17:36</b> <b>ISS, -3.8,</b> <b>18:16, 78°,</b> <b>S</b>		

## The Planets, mid month.



**Mercury** is in Sagittarius with a magnitude of -0.7, a phase of 97%, and a diameter of 5". It rises at 07:51, transits at 11:36, and sets at 15:21. It is currently too close to the Sun to be observed.

**Venus** is in Ophiuchus with a magnitude of -4.4, a phase of 55%, and a diameter of 22". It rises at 04:33, transits at 08:55, and sets at 13:17. It is visible in the morning sky.

**Mars** is in Pisces with a magnitude of +0.7, a phase of 88%, and a diameter of 7". It rises at 10:39, transits at 17:02, and sets at 23:26. It is visible in the evening sky.

**Jupiter** is in Ophiuchus with a magnitude of -1.8 and a diameter of 33". It rises at 05:23, transits at 09:21, and sets at 13:19. It is visible in the morning sky.

**Saturn** is in Sagittarius with a magnitude of +0.5 and a diameter of 15". It rises at 07:28, transits at 11:23, and sets at 15:19. 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 01:15, rises again at 11:14, and transits at 18:13. 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 10:04, transits at 15:30, and sets at 20:56. It is visible in the evening sky.