

## M5 (Globular Cluster, Serpens)

Continuing a series of photograph's of the Messier Objects



### Rugby & District Astronomical Society

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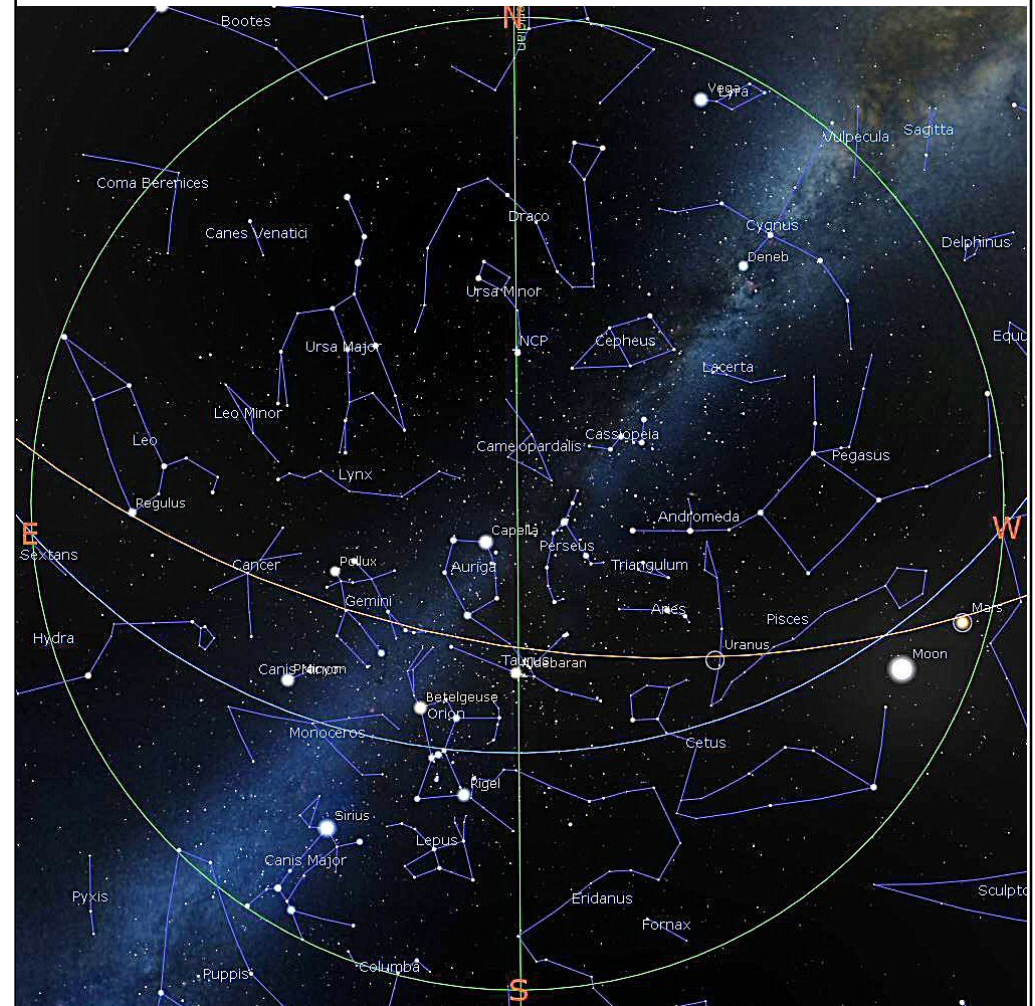
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## Rugby & District Astronomical Society

# Sky Notes





by Chris Longthorn

December 2018, no 112

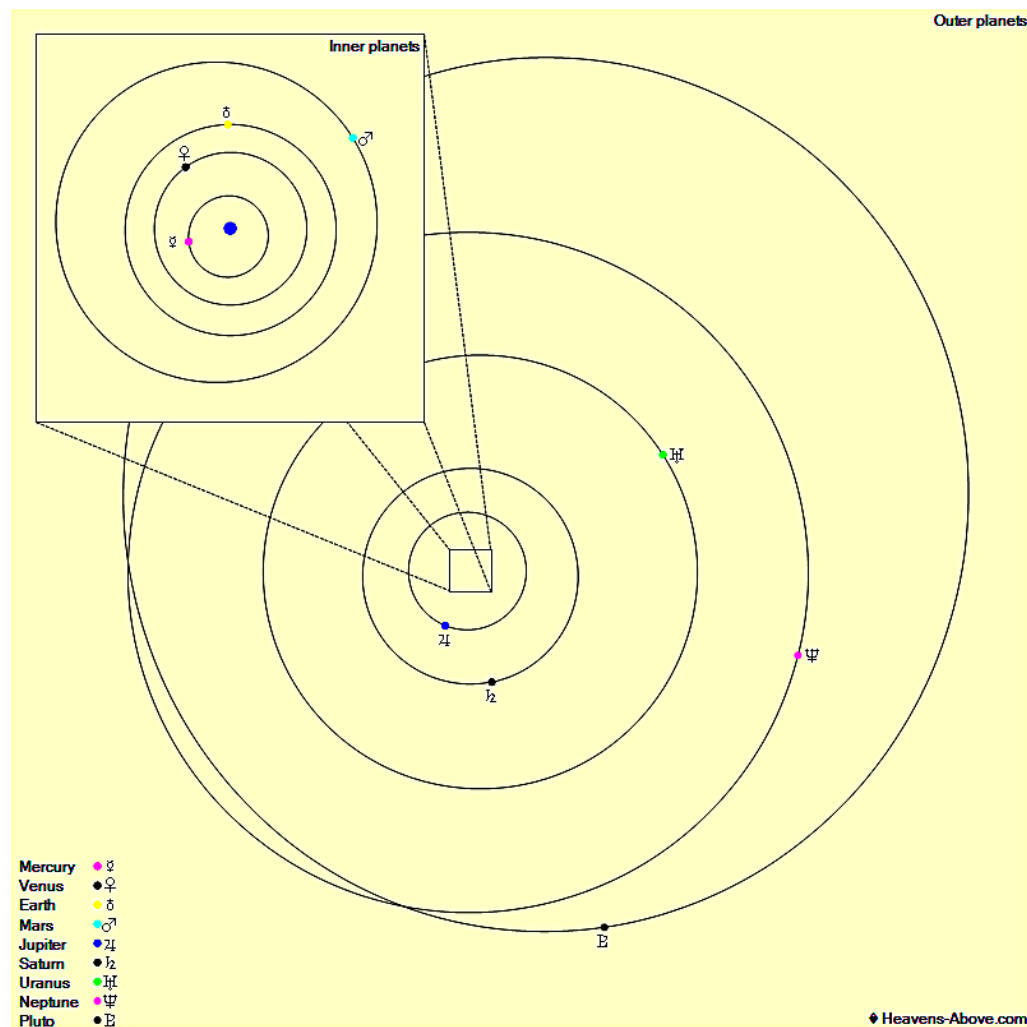


The night sky at 23:00 U.T.C., December 15th 2018

## 2018 December

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						<b>1</b> <b>Venus</b> <b>39.9° W</b>  ISS, -3.7, 17:52, 64°, SSE
<b>2</b> ISS, -3.3, 17:00, 50°, SSE  ISS, -2.6, 18:35, 41°, W	<b>3</b> <b>Moon-Venus</b> 18:42  ISS, -3.8, 17:44, 78°, S	<b>4</b> ISS, -3.6, 16:51, 68°, SSE	<b>5</b> ISS, -3.1, 18:27, 52°, WSW  ISS, -3.8, 17:36, 80°, S	<b>6</b> ISS, -3.7, 16:43, 80°, S  ISS, -3.3, 18:19, 55°, SSW	 <b>7</b> <b>New Moon</b> 07:20  ISS, -3.6, 17:27, 69°, SSW	<b>8</b> ISS, -3.7, 16:35, 78°, S  ISS, -2.6, 18:11, 37°, SSW
<b>9</b> <b>Moon-Saturn</b> 05:30 <b>Moon S</b> Dec 11:12  ISS, -3.1, 17:19, 51°, SSW	<b>10</b> <b>Moon D</b> <b>Node</b> 17:57	<b>11</b> ISS, -2.1, 17:10, 33°, SSW	<b>12</b> <b>Moon Apogee</b> 12:25	<b>13</b>	<b>14</b> <b>Geminids</b> 12:16 <b>Moon-Mars</b> 23:21	 <b>15</b> <b>Mercury</b> West 10:59 <b>First Quarter</b> 11:49
<b>16&amp;DAS</b> <b>Christmas</b> <b>Dinner,</b> <b>19:30</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b> <b>Mercury-Jup</b> 19:49 <b>Winter Sol</b> 22:22	 <b>22</b> <b>Full Moon</b> 17:49 <b>Ursids</b> 21:00
<b>23</b> <b>Moon N</b> Dec 11:48	<b>24</b> <b>Moon Perigee</b> 09:52 <b>Moon A</b> <b>Node</b> 11:54	<b>25</b> <b>Moon-Beehive</b> 04:52	<b>26</b> ISS, -2.4, 07:15, 40°, SSE	<b>27</b>	<b>28</b> ISS, -3.3, 07:06, 59°, SSE	 <b>29</b> <b>Last Quarter</b> 09:34  ISS, -2.9, 06:14, 44°, SSE
<b>30</b>  ISS, -3.7, 06:57, 75°, S	<b>31</b>  ISS, -3.6, 06:05, 63°, SSE					

## The Planets, mid month.



**Mercury** is in Scorpius with a magnitude of -0.4, a phase of 64%, and a diameter of 7". It rises at 06:09, transits at 10:31, and sets at 14:53. It is visible low in the east before sunrise.

**Venus** is in Libra with a magnitude of -4.6, a phase of 37%, and a diameter of 32". It rises at 03:56, transits at 08:58, and sets at 13:59. It is visible in the morning sky.

**Mars** is in Aquarius with a magnitude of +0.2, a phase of 87%, and a diameter of 8". It rises at 12:12, transits at 17:49, and sets at 23:27. It is visible in the evening sky.

**Jupiter** is in Ophiuchus with a magnitude of -1.7 and a diameter of 31". It rises at 06:51, transits at 10:55, and sets at 15:00. It is visible low in the east before sunrise.

**Saturn** is in Sagittarius with a magnitude of +0.5 and a diameter of 15". It rises at 09:16, transits at 13:10, and sets at 17:03. 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 sets at 03:18, rises again at 13:17, and transits at 20:15. 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 12:05, transits at 17:30, and sets at 22:55. It is visible in the evening sky.