

## M37, Open Cluster (Auriga)

Continuing a series of photograph's of the Messier Objects.



By Jim Mazur - <http://www.skyledge.net/Messier37.htm>, CC BY-SA 4.0, <https://commons.wikimedia.org/w/index.php?>

### Rugby & District Astronomical Society

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

Honorary President:	-	Chair:	Chris Longthorn
Treasurer:	Dennis Osborne	Membership Secretary:	Dave Hopkinson
Webmaster:	David Riley	Secretary:	Richard Heath
Speakers Secretary:	Roland Clarke	Sky Notes:	Chris Longthorn

Email [rugby-Astro@hotmail.co.uk](mailto:rugby-Astro@hotmail.co.uk)

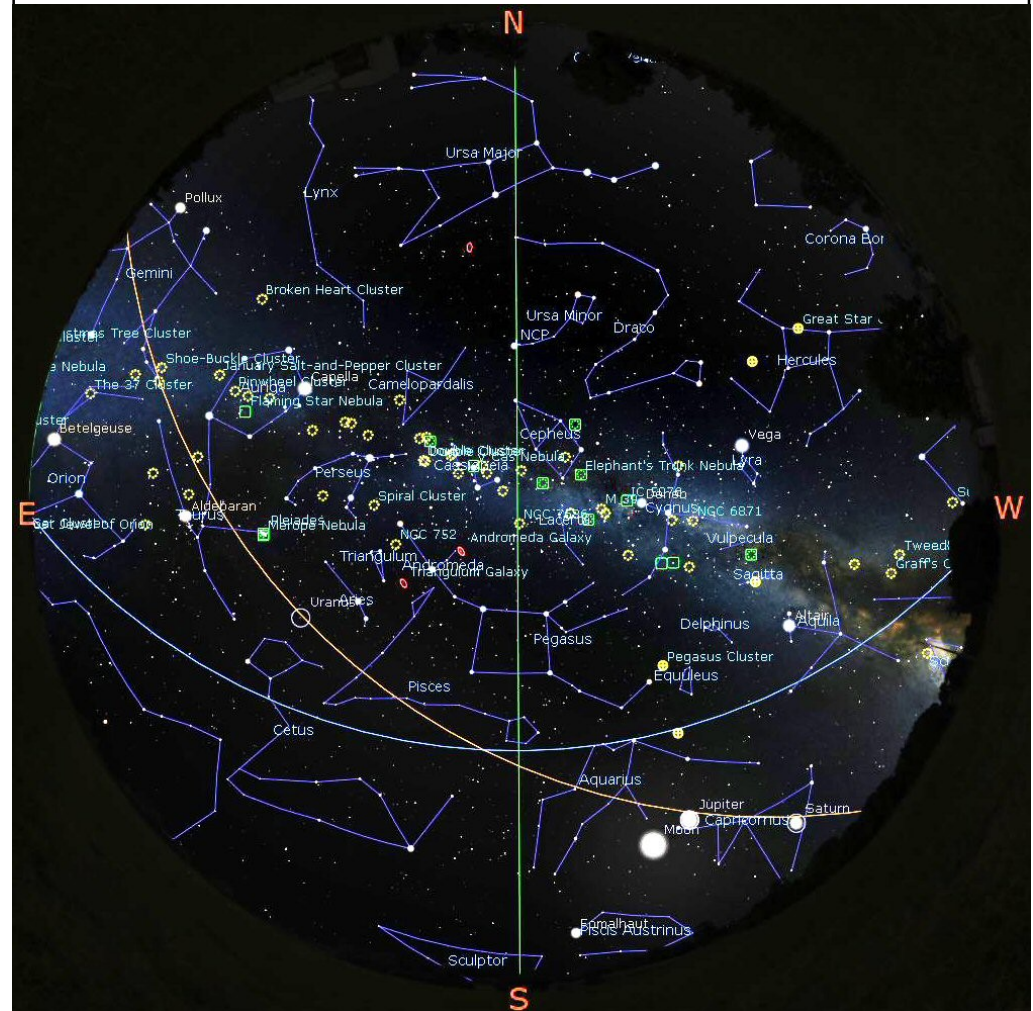
© R&DAS 2021

## Rugby & District Astronomical Society

### Sky Notes

by Chris Longthorn

Oct 2021, no 142

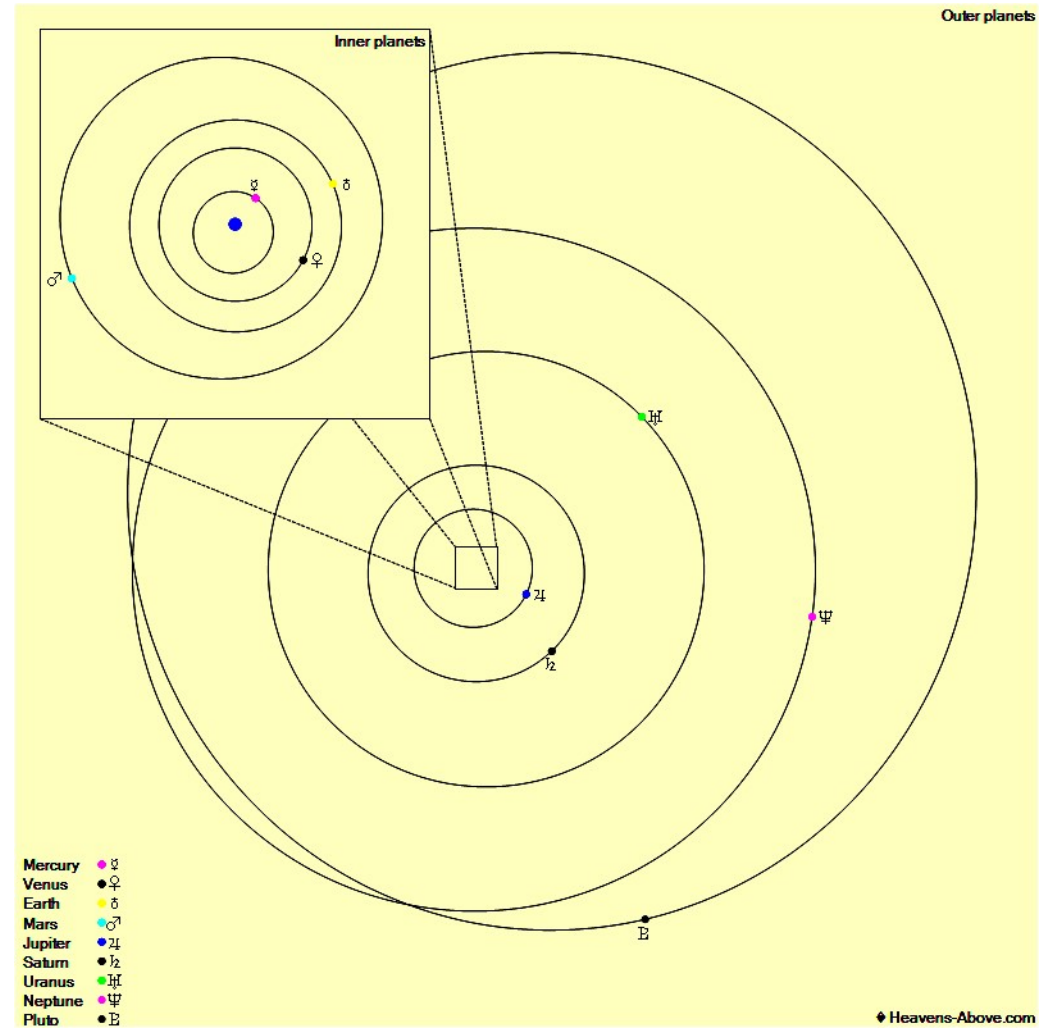


The night sky at 23:00 U.T.C., Oct 15th 2021

# 2021 October

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	 <b>29</b> Last Quarter 02:57	30	<b>1</b> Moon-Beehive 14:08	2
3	4	5	 <b>6</b> New Moon 12:05	7	<b>8</b> Mars Sun 04:50	<b>9</b> Mercury Infer 17:12 Moon-Venus 19:36
10	11	12	 <b>13</b> First Quarter 04:25	<b>14</b> Moon-Saturn 08:12	<b>15</b> Moon-Jupiter 10:58	16
<b>17</b> Meeting, Church Lawford 19:30	18	19	 <b>20</b> Full Moon 15:57	<b>21</b> Orionids 12:30	<b>22</b> Tiangong-1, 3.6, 19:16, 11°, S	<b>23</b> Tiangong-1, 3.7, 19:51, 12°, S
<b>24</b> Tiangong-1, 3.7, 18:50, 12°, S	<b>25</b> Tiangong-1, 3.8, 19:25, 11°, S	<b>26</b> Tiangong-1, 3.8, 18:24, 12°, S	 <b>27</b> Last Quarter 21:05 Moon-Beehive 22:32	 <b>28</b>	<b>29</b> ISS, -3.4, 06:45, 77°, S	<b>30</b> ISS, -3.5, 06:09, 73°, S
<b>31</b> ISS, -3.4, 06:11, 77°, S	<b>1</b>	<b>2</b>	<b>3</b>	 <b>4</b> New Moon 21:15	<b>5</b> Uranus Opp 00:13 S. Taurids 11:59	<b>6</b>

## The Planets, mid October.



**Mercury** is in Virgo with a magnitude of +1.7, a phase of 13%, and a diameter of 9". It rises at 05:30, transits at 11:09, and sets at 16:50. It is visible low in the east before sunrise.

**Venus** is in Ophiuchus with a magnitude of -4.3, a phase of 56%, and a diameter of 22". It rises at 11:16, transits at 14:54, and sets at 18:32. It is visible in the evening sky.

**Mars** is in Virgo with a magnitude of +1.6, a phase of 100%, and a diameter of 4". It rises at 06:17, transits at 11:43, and sets at 17:08. It is currently too close to the Sun to be observed.

**Jupiter** is in Capricornus with a magnitude of -2.6 and a diameter of 44". It sets at 00:52, rises again at 15:26, and transits at 20:07. It is visible in the evening sky.

**Saturn** is in Capricornus with a magnitude of +0.5 and a diameter of 17". It rises at 14:50, transits at 19:05, and sets at 23:21. It is visible in the evening sky.

**Uranus** is in Aries with a magnitude of +5.7 and a diameter of 4". It transits at 01:15, sets at 08:42, and rises again at 17:44. 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 03:38, rises again at 16:17, and transits at 21:55. It is well placed for observation throughout the night.