

# Deep Sky Observations

## Object Description

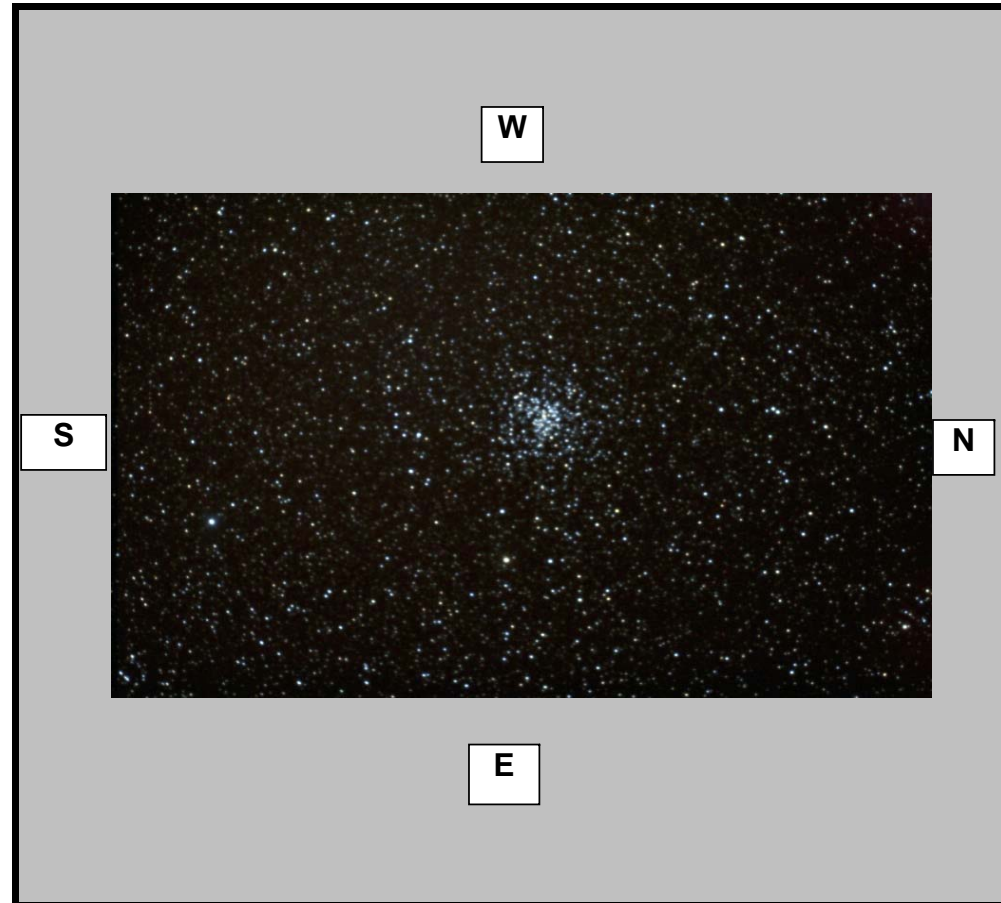
Object Name	
Messier	<u>M37</u>
New General Catalogue	<u>2099</u>
Constellation	<u>Auriga</u>
Type	<u>Open Cluster</u>
Magnitude	<u>6.20</u>
Distance (Light Years)	<u>4,400</u>
Right Ascension	<u>05 52.4</u>
Declination	<u>+32:33</u>
Size	<u>24.0'</u>
Diameter	<u>25 Light Years</u>
Composition	<u>Estimated 500 Stars</u>

## Observations

Date (DD/MM/YYYY)	<u>30/01/2008</u>
Time (24 hr)	<u>01:20am</u>
Location	<u>Baldrine, Isle of Man</u>
Longitude	<u>4°24' W</u>
Latitude	<u>54°12' N</u>
Seeing (1=High - 5= Low)	<u>1 2 3 4 5</u>
Transparency (1=High - 5= Low)	<u>1 2 3 4 5</u>

## Equipment

Telescope	<u>Tak Epsilon 160</u>
Mount	<u>EQ6 Skyscan Pro</u>
Eyepiece	<u>None</u>
Barlow	<u>None</u>
Camera	<u>Canon EOS 350 DSLR</u>
Magnification (Focal Length)	<u>FL=530mm</u>
Field of View (True)	<u>40.48 x 32.47 [3.29 arcsec]</u>
Reducer	<u>None</u>
Filter	<u>None</u>
Exposures	<u>45 Mins 30x1.5 Mins</u>



## Observation Notes

<u>Imaged in partial moonlight</u>
<u>ISO 800</u>
<u>Guided at FL=1100mm using GSTAR-EX Video output to MP4 player</u>
<u></u>
<u></u>
<u></u>