

Deep Sky Observations

Object Description

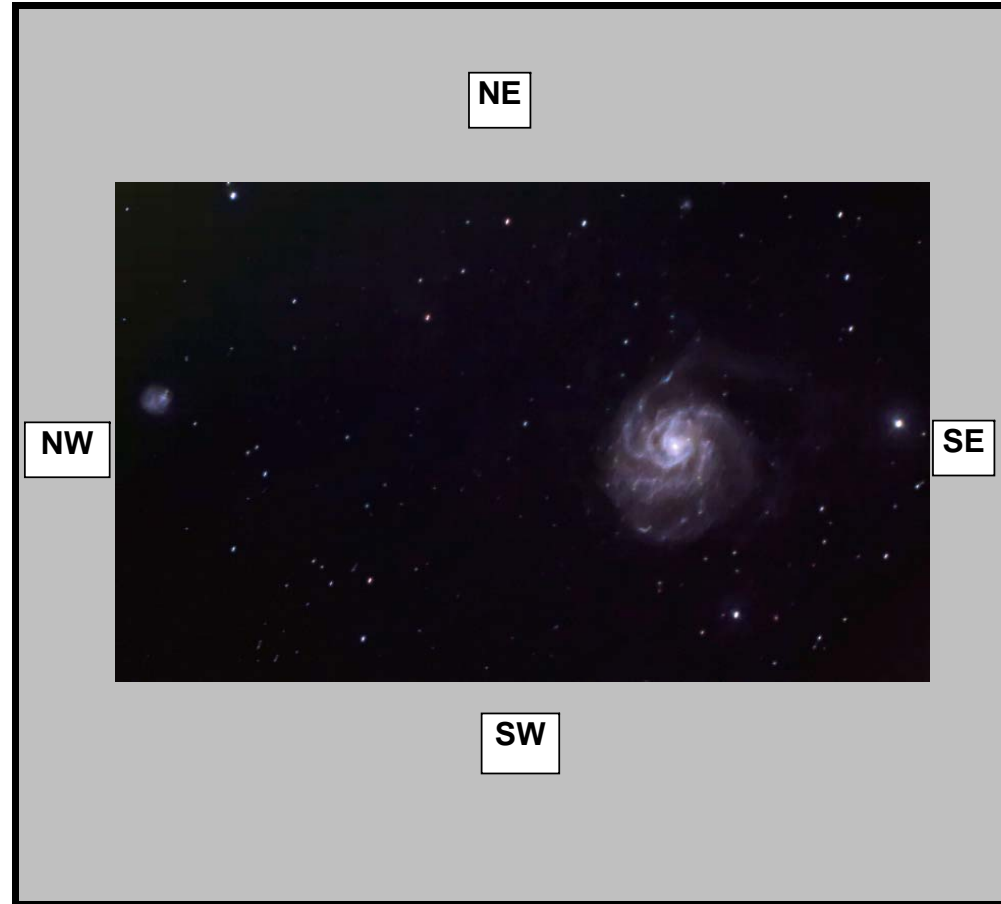
Object Name	<u>Pinwheel Galaxy</u>
Messier	<u>M101</u>
New General Catalogue	<u>5457</u>
Constellation	<u>Ursa Major</u>
Type	<u>Spiral Galaxy</u>
Magnitude	<u>8.30</u>
Distance (Light Years)	<u>27 Million</u>
Right Ascention	<u>14 03.1</u>
Declination	<u>+54:20</u>
Size	<u>28.8' X 8.26'</u>
Diameter	<u>Est 170,000 Light Years</u>
Composition	<u>16 Billion Solar Masses</u>

Observations

Date (DD/MM/YYYY)	<u>29/04/2008</u>
Time (24 hr)	<u>22:15pm</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>Takahashi Epsilon 160</u>
Mount	<u>EQ6 Skyscan Pro</u>
Eyepiece	<u>None</u>
Barlow	<u>None</u>
Camera	<u>Canon Rebel Xti</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>12 x 240 second exposures</u>



Observation Notes

ISO 800

Imaged in dark skies

Manually guided