

# Prospective Imaging Objects – November 01, 2024

## Astronomical Data

Sunrise	Sunset	Astronomical Dusk	Astronomical Dawn	Imaging	New Moon
06:47am	05:35 pm	06:59 pm	05:23 am	10:23	November 01

## Hardware Info

Configuration	FL	FOV	FOV°	FR	Image Scale (1 – 1.5) ideal
C11HD   ZWO ASI-6200MC	2800 mm	45' x 30'	0.75° x 0.5°	10	0.280"/pix (Oversampled)
C11HD   0.7xReducer   ASI-6200MC	1960 mm	60' x 45'	1.0° x 0.75°	7	0.393"/pix (Oversampled)
C11HD   HS-v4   ZWO ASI-6200MC	540 mm	228' x 150'	3.8° x 2.5°	1.9	1.4"/pix (Undersampled)
C6   ZWO ASI-6200MC	1500 mm	83' x 55'	1.38° x 0.92°	10	0.52"/pix (Oversampled)
C6   0.63 Corrector   ZWO ASI-6200MC	1220 mm	131' x 88'	2.18° x 1.46°	6.3	0.82"/pix (Oversampled)
C6   HS-v4   ZWO6200MC	300mm	412' x 275'	6.87° x 4.58°	2.0	2.59"/pix (Undersampled)

## How to use this document


**Sculptor Galaxy (NGC 253)**  
**Config: C11 | LF Corr | 128c**

Type: **Galaxy**  
 Peak: **Oct 02**  
 Constellation: **Sculptor**  
 Coordinates:  
**00hr 47' 33"**  
**-25° 17' 15"**

Close Star: SAO-147420  
 Catalog Objects: [NGC 253](#)

Imaging Window: \*10:44 – 02:44  
 Transit: **12:48**

Primary Focus



Sculptor Galaxy (NGC 253)  
Constellation: Sculptor

02: Object Name and catalog number

03: Config

04: Object Image

01: Background Fill Color

05: Close Star



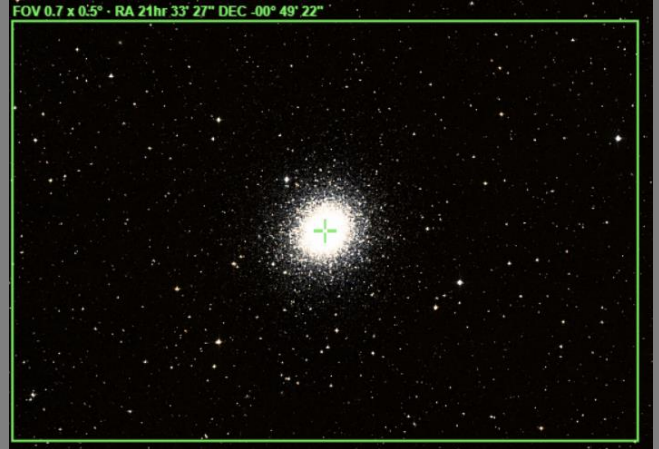
06: Catalog Objects

07: Imaging Window

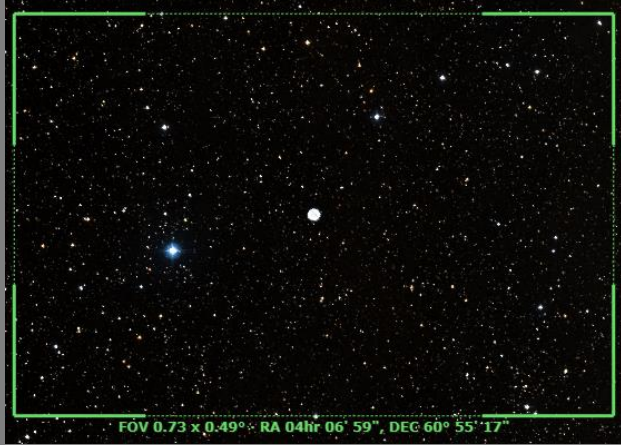

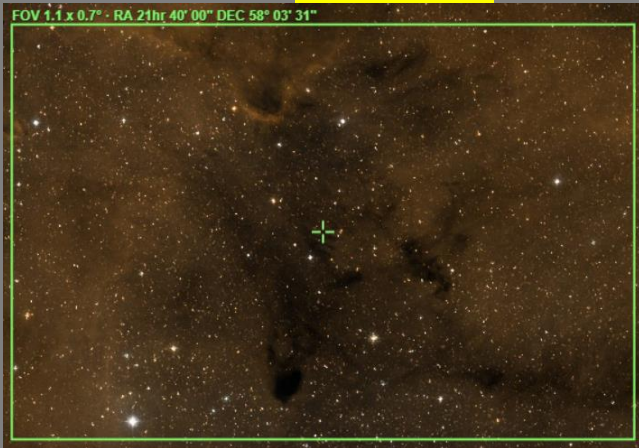
08: Transit

- 01: Background Fill Color** - Items that I have previously images will have a fill color of grey, Images not yet imaged will have a white background color.
- 02: Object Name and catalog number** – Common name long with one of the reference catalog numbers associated with this object.
- 03: Config** – The optimal configuration to image this object, and the configuration the provided image is based on based on what hardware I own. Configuration will either be the Celestron C-11 Primary focus (with focal reducer) or C-11 with HyperStar.
- 04: Object Image** – If this is an object I have already imaged, the thumbnail is my photo. It is hyperlinked to my website, so selecting the image should open a larger image in your browser. If the object has not yet been imaged by me the image displayed is for the identified configuration as obtained from <http://www.telescopious.com>.
- 05: Close Star** – A fairly bright star close to the target that can be used to check focus and sync the telescope before the imaging session begins.
- 06: Catalog Objects** – List of objects that should appear in the field of view. When possible they are hyperlinked to <http://www.telescopious.com> where more information can be obtained.
- 07: Imaging Window** – Ideally the time the object is 45° above the horizon. Southern objects with negative DEC that do not peak above 45° are indicated with a \*. Imaging window for these objects may be based on 30° or even 25° above horizon for the imaging window.
- 08: Transit** – When the object is at the highest point in the sky for the night. For equatorial mounts this is when the meridian flip will occur.



# Prospective Imaging Objects – November 01, 2024

<p><b>Pegasus Cluster (M-15)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>21h 29' 58"</b> <b>12° 10' 03"</b></p> <p>Close Star: <b>SAO-127029</b> (Enif) Catalog Objects: <a href="#">M-15/NGC-7078</a> Imaging Window: <b>06:59 – 10:04</b> Transit: <b>07:08   69°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-39 (NGC-7092)</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Cygnus</b> Coordinates: <b>21h 31' 56"</b> <b>48° 26' 46"</b></p> <p>Close Star: <b>SAO-49941</b> (Deneb) Catalog Objects: <a href="#">M-39/NGC-7092</a> Imaging Window: <b>06:59 – 11:02</b> Transit: <b>07:10   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>M-2 (NGC-7089)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Aquarius</b> Coordinates: <b>21h 33' 27"</b> <b>00° 49' 22"</b></p> <p>Close Star: <b>SAO-127029</b> (Enif) Catalog Objects: <a href="#">M-2/NGC-7089</a> Imaging Window: <b>06:59 – 09:18</b> Transit: <b>07:12   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

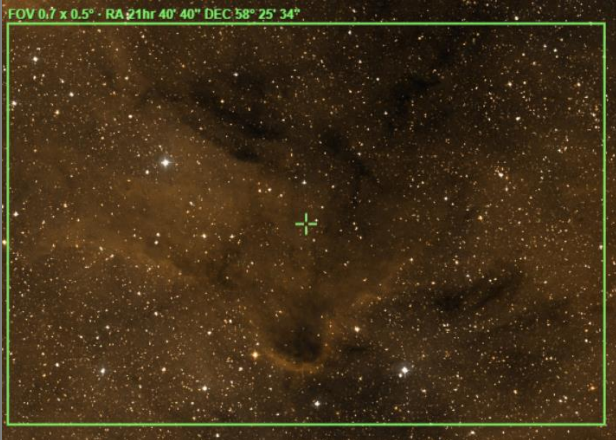


# Prospective Imaging Objects – November 01, 2024

<p><b>NGC-7094</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>21h 36' 53"</b> <b>12° 47' 22"</b></p> <p>Close Star: SAO-127029 (Enif) Catalog Objects: <a href="#">NGC-7094</a> Imaging Window: <b>06:59 – 10:13</b> Transit: <b>07:15   69°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Elephant Trunk (IC-1396)</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>21h 39' 58"</b> <b>57° 33' 34"</b></p> <p>Close Star: SAO-19302 (Alderamin) Catalog Objects: <a href="#">IC-1396</a>/Sh2-131 Imaging Window: <b>06:59 – 11:07</b> Transit: <b>07:17   66°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Elephant Trunk (IC-1396)</b> Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>21h 40' 00"</b> <b>58° 03' 31"</b></p> <p>Close Star: SAO-19302 (Alderamin) Catalog Objects: <a href="#">IC-1396</a>/Sh2-131 Imaging Window: <b>06:59 – 11:07</b> Transit: <b>07:17   66°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b></b></p> 

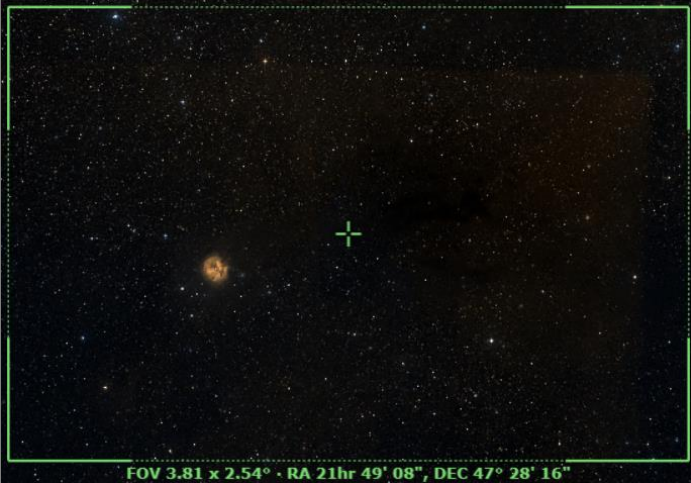
# Prospective Imaging Objects – November 01, 2024

<p><b>Elephant Trunk (IC-1396)</b>            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>21h 34' 39"</b>  <b>57° 29' 02"</b></p> <p>Close Star: <b>SAO-19302</b> (Alderamin)            Catalog Objects: <a href="#">IC-1396</a>/Sh2-131            Imaging Window: <b>06:59 – 11:07</b>            Transit: <b>07:17</b>   66°</p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Elephant Trunk (IC-1396)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>21h 41' 50"</b>  <b>56° 43' 48"</b></p> <p>Close Star: <b>SAO-19302</b> (Alderamin)            Catalog Objects: <a href="#">IC-1396</a>/Sh2-131            Imaging Window: <b>06:59 – 11:07</b>            Transit: <b>07:17</b>   66°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Elephant Trunk (IC-1396)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>21h 34' 44"</b>  <b>57° 28' 44"</b></p> <p>Close Star: <b>SAO-19302</b> (Alderamin)            Catalog Objects: <a href="#">IC-1396</a>/Sh2-131            Imaging Window: <b>06:59 – 11:07</b>            Transit: <b>07:17</b>   66°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Elephant Trunk (IC-1396)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>21h 40' 40"</b> <b>58° 25' 34"</b></p> <p>Close Star: <b>SAO-19302</b> (Alderamin) Catalog Objects: <a href="#">IC-1396</a>/Sh2-131 Imaging Window: <b>06:59 – 11:07</b> Transit: <b>07:17   66°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p>FOV 0.7 x 0.5° · RA 21hr 40' 40" DEC 58° 25' 34"</p>
<p><b>M-30 (NGC-7099)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Capricornus</b> Coordinates: <b>21h 40' 22"</b> <b>-23° 10' 43"</b></p> <p>Close Star: <b>SAO-164644</b> (Scheddi) Catalog Objects: <a href="#">M-30</a>/NGC-7099 Imaging Window: <b>*06:59 – 09:37</b> Transit: <b>07:18   34°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p>FOV 0.7 x 0.5° · RA 21hr 40' 22" DEC -23° 10' 43"</p>
<p><b>NGC 7139</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>21h 46' 07"</b> <b>+63° 47' 54"</b></p> <p>Close Star: <b>SAO-019302</b> (Alderamin) Catalog Objects: <a href="#">NGC-7139</a> Imaging Window: <b>06:59 – 11:04</b> Transit: <b>07:24   60°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p>NGC-7139 Constellation: Cepheus RA = 21h 46m 07.2s DEC = +63° 47' 54.0" Size = 18.5 x 13.9 arcmin Orientation = 45 deg E of N Pixel scale = 0.277 arcsec/pixel F5-ORion5 James VanDyke   Date: 2023-12-19   Location: Chandler, AZ Config:  C-11 HD DPT Triad Ultra  ZWO6200MC  Exposure Info:   47 frames @ 2min   Gain: 100   Offset: 50</p>

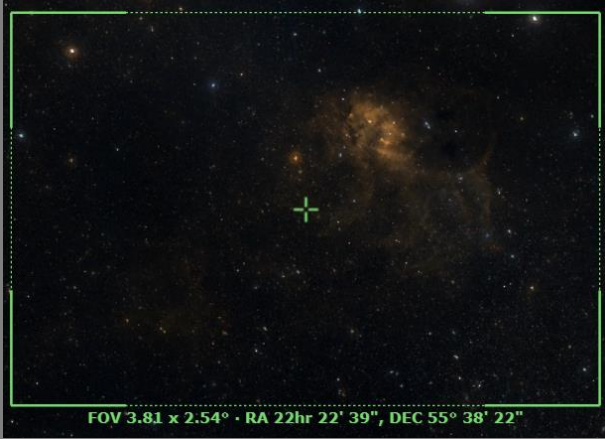

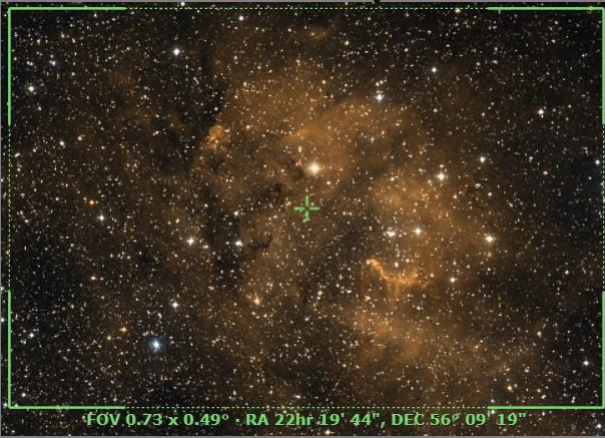
# Prospective Imaging Objects – November 01, 2024

<p><b>Dark Cocoon</b> (B-168, IC 5146)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>21h 49' 08"</b>  <b>47° 28' 16"</b></p> <p>Close Star: <b>SAO-5105</b> (Rho Cygni)            Catalog Objects: <a href="#">B-168</a>, IC-5146            Imaging Window: <b>06:59 – 11:24</b>            Transit: <b>07:31   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="text-align: center;">FOV 3.81 x 2.54° · RA 21hr 49' 08", DEC 47° 28' 16"</p>
<p><b>Cocoon Nebula</b> (IC-5146)            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>21h 52' 00"</b>  <b>47° 22' 37"</b></p> <p>Close Star: <b>SAO-5105</b> (Rho Cygni)            Catalog Objects: <a href="#">IC-5146</a>            Imaging Window: <b>06:59 – 11:24</b>            Transit: <b>07:32   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center;">FOV 1.05 x 0.70° · RA 21hr 52' 00", DEC 47° 22' 37"</p>
<p><b>Cocoon Nebula</b> (IC-5146)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>21h 53' 24"</b>  <b>47° 16' 00"</b></p> <p>Close Star: <b>SAO-5105</b> (Rho Cygni)            Catalog Objects: <a href="#">IC-5146</a>            Imaging Window: <b>06:59 – 11:24</b>            Transit: <b>07:32   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;">IC 5146, Cocoon Nebula</p> <p style="text-align: right;">Image Date: 2024-11-01</p>

# Prospective Imaging Objects – November 01, 2024




<p><b>Dark Shark</b> (LDN 1235)            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 11' 49"</b>  <b>73° 12' 16"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">LDN-1235</a>            Imaging Window: <b>06:59 – 10:38</b>            Transit: <b>07:53   50°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Wolf's Cave</b> (VdB-152)            Config: C11-HD   HS              ZWO6200MC</p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 17' 03"</b>  <b>70° 21' 54"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">B-168</a>, IC-5146            Imaging Window: <b>06:59 – 11:24</b>            Transit: <b>07:31   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Wolf's Cave</b> (VdB-152)            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 13' 42"</b>  <b>70° 30' 32"</b>  <b>90° Rotation</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">B-168</a>, IC-5146            Imaging Window: <b>06:59 – 11:24</b>            Transit: <b>07:31   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 

# Prospective Imaging Objects – November 01, 2024


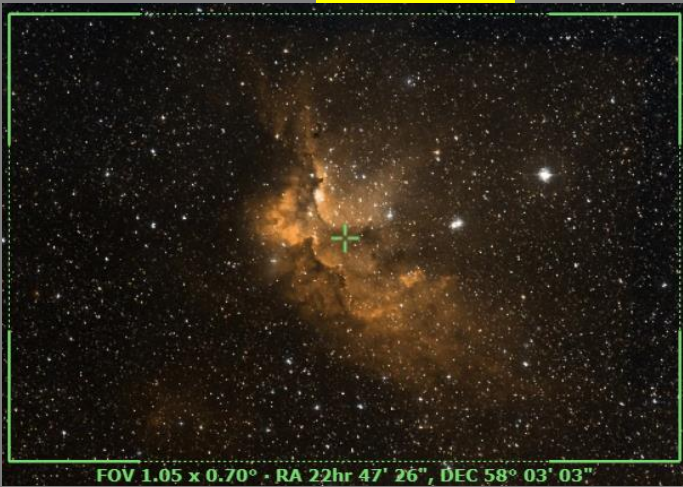

<p><a href="#">SH2-132</a>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 22' 39"</b>  <b>55° 38' 22"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">SH2-132</a>            Imaging Window: <b>06:59 – 11:49</b>            Transit: <b>07:57   67°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="text-align: center;">FOV 3.81 x 2.54° · RA 22hr 22' 39", DEC 55° 38' 22"</p>
<p><a href="#">SH2-132</a>            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 19' 05"</b>  <b>56° 07' 04"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">SH2-132</a>            Imaging Window: <b>06:59 – 11:49</b>            Transit: <b>07:57   67°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center;">FOV 1.05 x 0.70° · RA 22hr 19' 05", DEC 56° 07' 04"</p>
<p><a href="#">SH2-132</a>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>22h 19' 44"</b>  <b>56° 09' 19"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)            Catalog Objects: <a href="#">SH2-132</a>            Imaging Window: <b>06:59 – 11:49</b>            Transit: <b>07:57   67°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;">FOV 0.73 x 0.49° · RA 22hr 19' 44", DEC 56° 09' 19"</p>



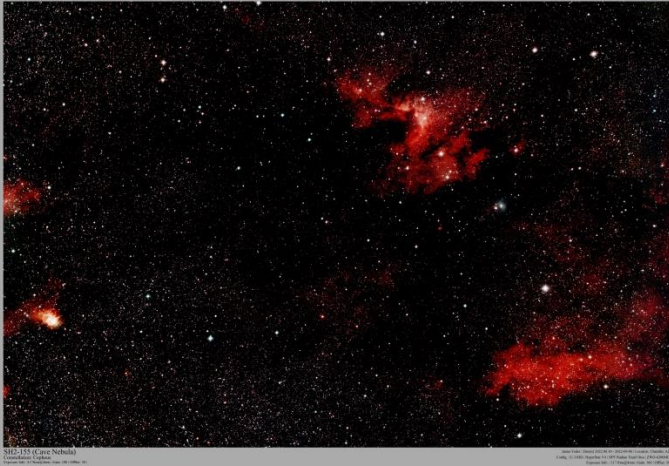
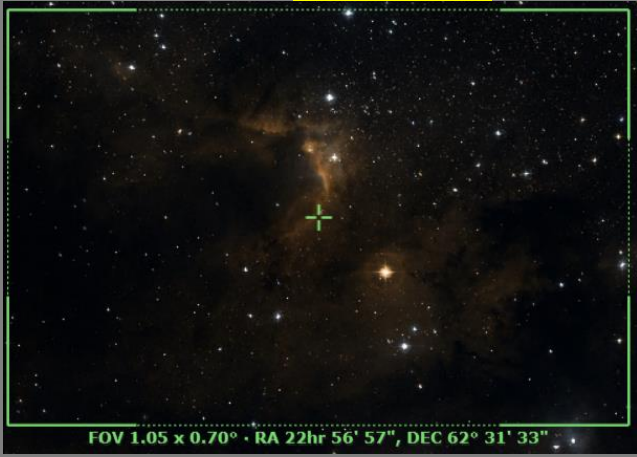

# Prospective Imaging Objects – November 01, 2024

<p><a href="#">Stephan's Quintet &amp; NGC 7331</a> (NGC 7317, 7331) Config:  C11- HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>22h 36' 40"</b> <b>34° 13' 25"</b></p> <p>Camera Rotation = 115° East (-245)</p> <p>Close Star: <b>SAO-72191</b> (1 Lacertae) Catalog Objects: <a href="#">NGC-7317</a> Imaging Window: <b>06:59 – 11:55</b> Transit: <b>08:14   89°</b></p>	<p><b>C-11 HD: Focal Reducer</b></p> 
<p><a href="#">Stephan's Quintet</a> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>22h 36' 06"</b> <b>33° 58' 01"</b></p> <p>Close Star: <b>SAO-72191</b> (1 Lacertae) Catalog Objects: <a href="#">NGC-7317</a> Imaging Window: <b>06:59 – 11:55</b> Transit: <b>08:14   89°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><a href="#">Helix Nebula (NGC-7293)</a> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary nebula</b></p> <p>Constellation: <b>Aquarius</b> Coordinates: <b>22h 29' 39"</b> <b>-20° 48' 36"</b></p> <p>Close Star: <b>SAO-164644</b> (Delta Cap) Catalog Objects: <a href="#">NGC-7293</a> Imaging Window: <b>*06:59 – 10:37</b> Transit: <b>08:08   36°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 



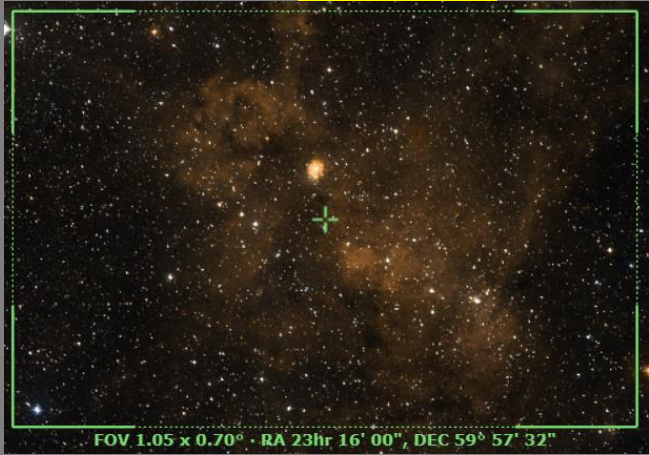
# Prospective Imaging Objects – November 01, 2024

<p><b>NGC-7331 Group</b> (NGC-7331) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy Cluster</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>22h 37' 15"</b> <b>34° 24' 51"</b></p> <p>Close Star: <b>SAO-72191</b> (1 Lacertae) Catalog Objects: <a href="#">NGC-7331</a> Imaging Window: <b>06:59 – 11:56</b> Transit: <b>08:15   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC 7331, NGC 7335, NGC 7337 Galaxy Group James Yoder 2015.09.11</p>
<p><b>Wizard Nebula</b> (SH 2-142)</p> <p>Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>22h 47' 26"</b> <b>58° 03' 03"</b></p> <p>Close Star: <b>SAO-20268</b> (Iota Cephei) Catalog Objects: <a href="#">SH2-142</a> Imaging Window: <b>06:59 – 12:15</b> Transit: <b>08:25   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="font-size: small; color: green;">FOV 1.05 x 0.70° - RA 22hr 47' 26", DEC 58° 03' 03"</p>
<p><b>Wizard Nebula</b> (SH 2-142)</p> <p>Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>22h 47' 26"</b> <b>58° 03' 03"</b></p> <p>Close Star: <b>SAO-20268</b> (Iota Cephei) Catalog Objects: <a href="#">SH2-142</a> Imaging Window: <b>05:59 – 12:15</b> Transit: <b>08:25   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small;">Wizard Nebula (NGC-7380) Constellation: Cepheus  RA: 22h 47m 26.00s, DEC: +58deg 03' 03.00"  Size = 40.0 x 27.2 pixels   Dimension: 0.26deg E of N   Pixel scale = 0.441 arcsecond   F1-200mm James Yoder (Denton) 2019.10.25, 2020.03.18, Location: Chandler, AZ Config: C-11 HD   ZWO6200MC   F1-200mm Exposure info: 200img/sum Gain: 3200   100sec   180</p>




# Prospective Imaging Objects – November 01, 2024

<p><b>Cave Nebula (SH2-155)</b>          Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>          Coordinates:  <b>23h 00' 57"</b>  <b>62° 04' 09"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)          Catalog Objects: <a href="#">SH2-155</a>          Imaging Window: <b>06:59 – 12:18</b>          Transit: <b>08:35   61°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Cave Nebula (SH2-155)</b>          Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>          Coordinates:  <b>22h 56' 57"</b>  <b>62° 31' 33"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)          Catalog Objects: <a href="#">SH2-155</a>          Imaging Window: <b>06:59 – 12:18</b>          Transit: <b>08:35   61°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Cave Nebula (SH2-155)</b>          Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b>          Coordinates:  <b>22h 56' 57"</b>  <b>62° 31' 33"</b></p> <p>Close Star: SAO-20268 (Iota Cephei)          Catalog Objects: <a href="#">SH2-155</a>          Imaging Window: <b>06:59 – 12:18</b>          Transit: <b>08:35   61°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>NGC-7479</b> (PGC-70419) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Barred Spiral Galaxy</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>23h 04' 58"</b> <b>12° 18' 37"</b></p> <p>Close Star: <b>SAO-127340</b> (Baham) Catalog Objects: <a href="#">NGC-7479</a> Imaging Window: <b>06:59 – 11:40</b> Transit: <b>08:43   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">NGC-7479 Constellation: Pegasus RA = 23h 04m 58.2s DEC = +12deg 18' 37.3" Size = 31.4 x 21.0 arcmin   Orientation: 0.0 deg E of N   Pixel scale = 0.446 arcsec/pixel   FL=2000mm   James Yoder   Location(s): Mesaero Grande(2020-10-16), Chandler(2020-10-19), AZ   Config:  C-11 HD Bando Skyglow   QHY128c   Exposure Info: 360ms@5um   Gain: 3200   Offset: 180</p>
<p><b>Lobster Claw and Bubble Nebula</b> (SH2-157) Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cassiopeia</b> Coordinates: <b>23h 18' 25.8"</b> <b>60° 31' 17.8"</b></p> <p>Close Star: <b>SAO-21133</b> (Caph) Catalog Objects: <a href="#">SH2-157</a> Imaging Window: <b>06:59 – 12:41</b> Transit: <b>08:54   63°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small; text-align: center;">Lobster Claw and Bubble Nebula(NGC-7635) Constellation: Cassiopeia RA = 23h 18m 25.8s DEC = +60deg 31' 17.8" Size = 2.68 x 1.79 deg   Orientation: 0deg E of N   Pixel scale = 2.28 arcsec/pixel   FL=540mm   James Yoder   Date(s) 2020-10-21   Location: Chandler, AZ   Config:  C-11HD   HyperStar V4   Astronomik CLS-CCD   QHY128c   Exposure Info: 360ms@5um   Gain: 3200   Offset: 180</p>
<p><b>Lobster Claw</b> (SH2-157) Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cassiopeia</b> Coordinates: <b>23h 16' 00"</b> <b>59° 57' 32"</b></p> <p>Close Star: <b>SAO-21133</b> (Caph) Catalog Objects: <a href="#">SH2-157</a> Imaging Window: <b>06:59 – 12:41</b> Transit: <b>08:54   63°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b></b></p>  <p style="font-size: small; text-align: center;">FOV 1.05 x 0.70° - RA 23hr 16' 00", DEC 59° 57' 32"</p>



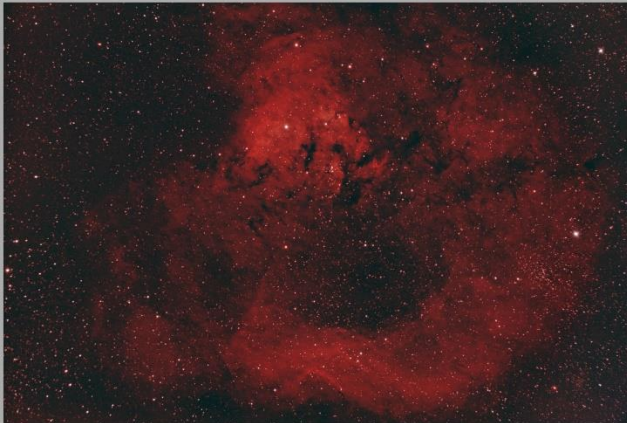
# Prospective Imaging Objects – November 01, 2024

<p><b>Bubble Nebula (NGC-7635)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright &amp; Dark Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>23h 20' 12"</b> <b>61° 11' 00"</b></p> <p>Close Star: <b>SAO-21133</b> (Caph) Catalog Objects: <a href="#">NGC-7635</a>, SH2-162 Imaging Window: <b>06:59 – 12:44</b> Transit: <b>08:59   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">Bubble Nebula (NGC-7635) Constellation: Cepheus</p>
<p><b>Pegasus Cluster (NGC-7619)</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Cluster of Galaxies</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>23h 20' 13"</b> <b>08° 11' 08"</b></p> <p>Close Star: <b>SAO-128085</b> (g Piscium) Catalog Objects: <a href="#">NGC-7619</a> Imaging Window: <b>06:59 – 11:42</b> Transit: <b>08:58   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center; font-size: small;">FOV 1.05 x 0.70° · RA 23hr 20' 13", DEC 08° 11' 08"</p>
<p><b>Pegasus Cluster (NGC-7619)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Cluster of Galaxies</b></p> <p>Constellation: <b>Pegasus</b> Coordinates: <b>23h 20' 13"</b> <b>08° 10' 57"</b></p> <p>Close Star: <b>SAO-128085</b> (g Piscium) Catalog Objects: <a href="#">NGC-7619</a> Imaging Window: <b>06:59 – 11:42</b> Transit: <b>08:58   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center; font-size: small;">FOV 0.73 x 0.49° · RA 23hr 20' 13", DEC 08° 10' 57"</p>

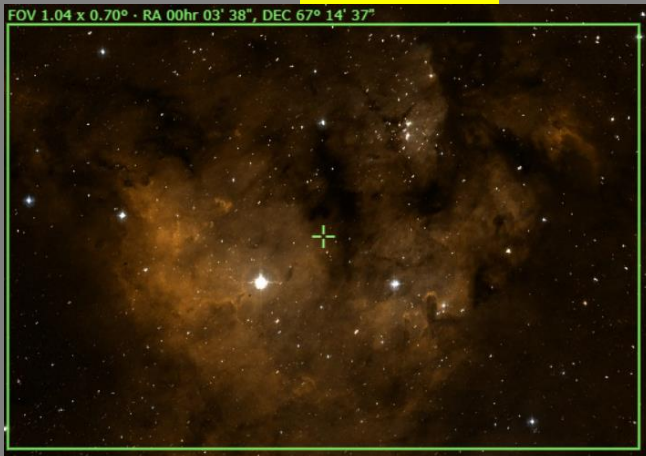


# Prospective Imaging Objects – November 01, 2024

<p><b>M-52 (NGC-7654)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Cassiopeia</b> Coordinates: <b>23h 24' 48"</b> <b>61° 36' 00"</b></p> <p>Close Star: <b>SAO-21133 (Caph)</b> Catalog Objects: <a href="#">M-52</a> Imaging Window: <b>06:59 – 12:47</b> Transit: <b>09:03   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;">FOV 0.73 x 0.49° - RA 23hr 24' 48", DEC 61° 36' 00"</p>
<p><b>Blue Snowball (NGC-7662)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Andromeda</b> Coordinates: <b>23h 25' 54"</b> <b>42° 32' 06"</b></p> <p>Close Star: <b>SAO-53216 (Iota And)</b> Catalog Objects: <a href="#">NGC-7662</a> Imaging Window: <b>06:59 – 12:54</b> Transit: <b>09:04   81°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;">FOV 0.73 x 0.49° - RA 23hr 25' 54", DEC 42° 32' 06"</p>
<p><b>Blue Match Nebula (SH2-155)</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Reflection Nebula</b></p> <p>Constellation: <b>Andromeda</b> Coordinates: <b>23h 39' 24"</b> <b>48° 51' 37"</b> Nearby: <a href="#">NGC-7686</a> Close Star: <b>SAO-73765 (Alpheratz)</b> Catalog Objects: VdB 158/ LBN 534 Imaging Window: <b>06:59 – 01:01</b> Transit: <b>09:07   81°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="text-align: center;">FOV 3.81 x 2.54° - RA 23hr 39' 35", DEC 48° 54' 43"</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>Caroline's Rose</b> (NGC-7789) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Cassiopeia</b> Coordinates: <b>23h 57' 37"</b> <b>56° 42' 21"</b></p> <p>Close Star: <b>SAO-21607</b> (Shedar) Catalog Objects: <a href="#">NGC-7789</a> Imaging Window: <b>06:59 – 01:26</b> Transit: <b>09:35   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-7822</b> (Ced-214) Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Emission Nebula</b> Constellation: <b>Cepheus</b></p> <p>Coordinates: Frame 01 RA: <b>00hr 03' 42"</b> DEC: <b>67° 41' 45"</b> Frame 02 RA: <b>00hr 03' 42"</b> DEC: <b>65° 35' 15"</b></p> <p>Close Star: <b>SAO-10818</b> Catalog Objects: Ced 214, <a href="#">NGC 7822</a>, SH2-171 Imaging Window: <b>06:59 – 01:07</b> Transit: <b>09:39   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4 Composite!</b></p> 
<p><b>NGC-7822</b> (CED-214) Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cepheus</b> Coordinates: <b>00h 01' 27"</b> <b>67° 28' 37"</b></p> <p>Close Star: <b>SAO-20268</b> Catalog Objects: Ced 214, <a href="#">NGC 7822</a>, SH2-171 Imaging Window: <b>06:59 – 01:07</b> Transit: <b>09:39   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 

# Prospective Imaging Objects – November 01, 2024


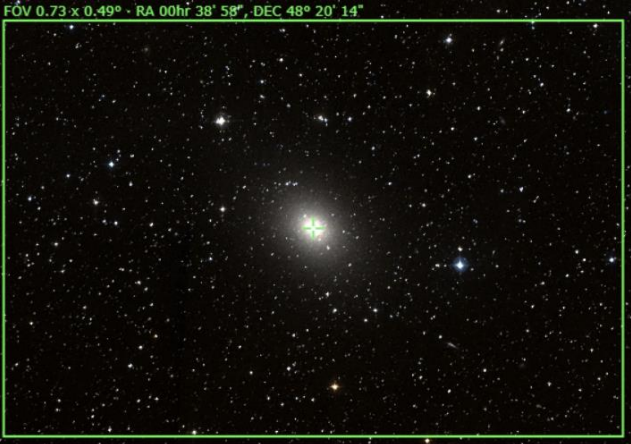

<p><b>NGC-7822</b> (CED-214)            Config:  C11-            HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>00h 03' 38"</b>  <b>67° 14' 37"</b></p> <p>Close Star: <b>SAO-20268</b>            Catalog Objects: Ced 214, <a href="#">NGC 7822</a>,            SH2-171            Imaging Window: <b>06:59 – 01:07</b>            Transit: <b>09:39   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>NGC-7822</b> (CED-214)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Emission Nebula</b>            Constellation: <b>Cepheus</b>            Coordinates:  <b>00h 01' 56"</b>  <b>67° 23' 05"</b></p> <p>Close Star: <b>SAO-10818</b>            Catalog Objects: Ced 214, <a href="#">NGC 7822</a>,            SH2-171            Imaging Window: <b>06:59 – 01:07</b>            Transit: <b>09:39   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Bow-Tie Nebula</b> (NGC-40)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>00h 13' 01"</b>  <b>72° 31' 21"</b></p> <p>Close Star: <b>SAO-20268</b>            Catalog Objects: <a href="#">NGC-40</a>            Imaging Window: <b>06:59 – 12:46</b>            Transit: <b>09:51   51°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 






# Prospective Imaging Objects – November 01, 2024

<p><b>Andromeda Galaxy Group</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Cluster of dim galaxies</b>            Peak:            Constellation: <b>Andromeda</b>            Coordinates:  <b>00h 17' 58"</b>  <b>30° 03' 03"</b></p> <p>Close Star: <b>SAO-73765</b> (Alpheratz)            Catalog Objects: <a href="#">NGC 67-72</a> et. El.</p> <p>Imaging Window: <b>06:59 – 01:31</b>            Transit: <b>09:56   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-147 &amp; NGC-185</b>            Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Galaxy Pair</b></p> <p>Constellation: <b>Cassiopeia</b>            Coordinates:  <b>00h 36' 22"</b>  <b>48° 26' 42"</b></p> <p>Close Star: <b>SAO-21609</b> (Shedar)            Catalog Objects: <a href="#">NGC-147</a>, <a href="#">NGC-185</a>            Imaging Window: <b>06:59 – 02:04</b>            Transit: <b>10:11   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>NGC-147 &amp; NGC-185</b>            Config: <b>C11-HD   FR   ZWO6200MC</b></p> <p>Type: <b>Galaxy Pair</b></p> <p>Constellation: <b>Cassiopeia</b>            Coordinates:            Frame 01            RA: <b>00hr 38' 33"</b> DEC: <b>48° 25' 44"</b>            Frame 02            RA: <b>00hr 33' 21"</b> DEC: <b>48° 25' 44"</b></p> <p>Close Star: <b>SAO-21609</b> (Shedar)            Catalog Objects: <a href="#">NGC-147</a>            Imaging Window: <b>06:59 – 02:02</b>            Transit: <b>10:11   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer Composite!</b></p>  <p><small>Dwarf Galaxies NGC-185, NGC-147            © 2024 Starizona, Cassiopeia            RA: 00h 38m 33s DEC: 48° 25' 44" Frame 01            RA: 00h 33m 21s DEC: 48° 25' 44" Frame 02            C-11 HD   Focal Reducer   ZWO6200MC   HyperStar v4   FR   75°</small></p>

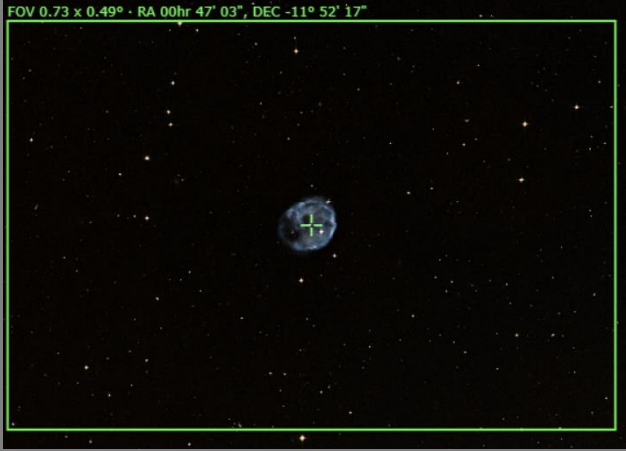


# Prospective Imaging Objects – November 01, 2024

<p><b>NGC-147</b> Config:  ZWO6200MC </p> <p>Type: <b>Galaxy</b> Peak: Constellation: <b>Cassiopeia</b> Coordinates: <b>00h 33' 07.245"</b> <b>48° 30' 18.030"</b></p> <p>Close Star: <b>SAO-37375</b> Catalog Objects: <a href="#">NGC-147</a></p> <p>Imaging Window: <b>06:59 – 02:02</b> Transit: <b>10:11   75°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Dwarf Galaxy NGC-147 Constellation: Cassiopeia RA = 00h 33m 07.245s DEC = +48deg 30' 18.030" Size = 49.7 x 33.5 arcmin   Pixel scale = 0.579 arcsec/pixel</p> <p style="font-size: x-small; text-align: right;">Image Date: 2019-09-27 Location: Mountain Grande Teahouse, AZ Config: C11   L1 Camera   Rucker Nightlow Filter (QTY 12x) Exposure Info: 144min@5min   Gain: 1200   Offset: 180</p>
<p><b>NGC-185</b> Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Dwarf Spheroidal Galaxy</b></p> <p>Constellation: <b>Cassiopeia</b> Coordinates: <b>00h 38' 58"</b> <b>48° 20' 14"</b></p> <p>Close Star: <b>SAO-21609 (Shedar)</b> Catalog Objects: <a href="#">NGC-185</a> Imaging Window: <b>06:59 – 02:10</b> Transit: <b>10:17   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">FOV 0.73 x 0.49° · RA 00hr 38' 58", DEC 48° 20' 14"</p> <p style="font-size: x-small; text-align: right;">Image Date: 2019-09-27 Location: Mountain Grande Teahouse, AZ Config: C11   L1 Camera   Rucker Nightlow Filter (QTY 12x) Exposure Info: 144min@5min   Gain: 1200   Offset: 180</p>
<p><b>M-110</b> Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Elliptical Galaxy</b></p> <p>Constellation: <b>Andromeda</b> Coordinates: <b>00h 40' 22"</b> <b>41° 41' 07"</b></p> <p>Close Star: <b>SAO-73765 (Sirrah)</b> Catalog Objects: <a href="#">M-110</a> Imaging Window: <b>06:59 – 02:07</b> Transit: <b>10:18   82°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">M-110 (NGC-205) Constellation: Andromeda RA = 00h 40m 21.6s DEC = +41deg 41' 07.0" Size = 41.2 x 27.3 arcmin   Orientation: 0.5deg E of N   Pixel scale = 0.646 arcsec/pixel   F1-C762mm</p> <p style="font-size: x-small; text-align: right;">Image Date: 2019-09-27 Location: Mountain Grande Teahouse, AZ Config: C11   L1 Camera   Rucker Nightlow Filter (QTY 12x) Exposure Info: 144min@5min   Gain: 1200   Offset: 180</p>


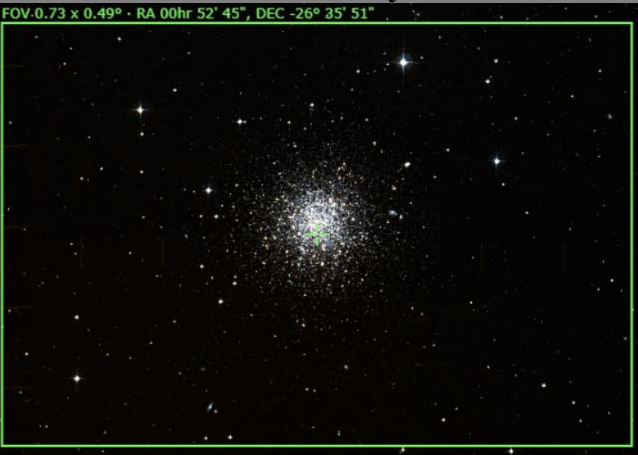

# Prospective Imaging Objects – November 01, 2024

<p><b>M-32</b> Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Elliptical Galaxy</b></p> <p>Constellation: <b>Andromeda</b> Coordinates: <b>00h 42' 42"</b> <b>40° 51' 57"</b></p> <p>Close Star: SAO-73765 (Sirrah) Catalog Objects: <a href="#">M-32</a> Imaging Window: <b>06:59 – 02:09</b> Transit: <b>10:20   83°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-31, M-32</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Andromeda Galaxy</b></p> <p>Constellation: <b>Andromeda</b> Coordinates: <b>00h 42' 44"</b> <b>41° 16' 08"</b> Angle: <b>133° East</b></p> <p>Close Star: SAO-73765 (Sirrah) Catalog Objects: <a href="#">M-31</a>, M-32 Imaging Window: <b>06:59 – 02:09</b> Transit: <b>10:20   82°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p> 
<p><b>NGC246, NGC255, PGC 2689</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Planetary Nebula, 2 Galaxies</b></p> <p>Constellation: <b>Cetus</b> Coordinates: <b>00h 47' 00"</b> <b>-11° 40' 40"</b></p> <p>Close Star: SAO-147420 (Diphda) Catalog Objects: <a href="#">NGC-246</a> Imaging Window: <b>*07:12 – 01:40</b> Transit: <b>10:25   45°</b></p>	<p><b>C-11 HD: Focal Reducer</b></p> 



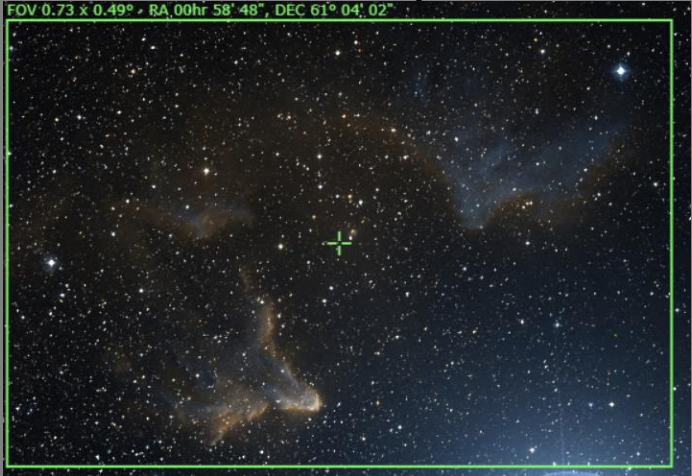
# Prospective Imaging Objects – November 01, 2024

<p><b>Skull Nebula (NGC-246)</b>            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Cetus</b>            Coordinates:  <b>00h 47' 03"</b>  <b>-11° 52' 17"</b></p> <p>Close Star: SAO-147420 (Diphda)            Catalog Objects: <a href="#">NGC-246</a>            Imaging Window: *07:12 – 01:40            Transit: 10:25   45°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Needle's Eye Galaxy (NGC 247)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Peak:</p> <p>Constellation: <b>Cetus</b>            Coordinates:  <b>00hr 47' 12"</b>  <b>-20° 44' 38"</b></p> <p>Close Star: SAO-147420            Catalog Objects: <a href="#">NGC 247</a></p> <p>Imaging Window: *07:57 – 12:59            Transit: 10:25   36°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-288, NGC-253</b>            Config: C11-HD   HS              ZWO6200MC</p> <p>Type: <b>Globular and Galaxy</b></p> <p>Constellation: <b>Sculptor</b>            Coordinates:  <b>00h 50' 03"</b>  <b>-25° 54' 37"</b></p> <p>Close Star: SAO-147420 (Diphda)            Catalog Objects: <a href="#">NGC-288</a>, <a href="#">NGC-253</a>            Imaging Window: *08:26 – 12:29            Transit: 10:25   31°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Sculptor Galaxy (NGC-253)</b>            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Spiral Galaxy</b></p> <p>Constellation: <b>Sculptor</b>            Coordinates:  <b>00h 47' 33"</b>  <b>-25° 17' 15"</b></p> <p>Close Star: SAO-147420 (Diphda)            Catalog Objects: <a href="#">NGC-253</a>            Imaging Window: *08:26 – 12:29            Transit: 10:25   31°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Sculptor Galaxy (NGC 253)            Constellation: Sculptor</p> <p style="font-size: x-small; text-align: right;">Image Size: 2048 x 1536            Exposure: 1000s            Filter: 445nm</p>
<p><b>NGC-288</b>            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sculptor</b>            Coordinates:  <b>00h 52' 45"</b>  <b>-26° 35' 51"</b></p> <p>Close Star: SAO-147420 (Diphda)            Catalog Objects: <a href="#">NGC-288</a>            Imaging Window: *08:49 – 12:22            Transit: 10:30   31°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small; color: green;">FOV 0.73 x 0.49° - RA 00hr 52' 45", DEC -26° 35' 51"</p>
<p><b>NGC-188</b>            Config: C11-HD   FR   ZWO6200MC</p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Cepheus</b>            Coordinates:  <b>00h 47' 30"</b>  <b>85° 15' 30"</b></p> <p>Close Star: SAO-308 (Polaris)            Catalog Objects: <a href="#">NGC-188</a>            Imaging Window: *06:59 – 03:14            Transit: 10:25   38°</p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="font-size: x-small; color: green;">FOV 1.04 x 0.70° - RA 00hr 47' 30", DEC 85° 15' 30"</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>NGC-281</b>            Config: C11-HD   FR   ZWO6200MC</p> <p>Type: Diffuse Nebula</p> <p>Constellation: Cassiopeia            Coordinates:  <b>00h 53' 00"</b>  <b>56° 37' 00"</b></p> <p>Close Star: SAO-11482 (Navi)            Catalog Objects: <a href="#">NGC-281</a>            Imaging Window: 06:59 – 02:21            Transit: 10:30   67°</p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center;"><small>Packman Nebula (NGC-281)</small></p>
<p><b>Gamma Cassiopeiae Nebula (SH2-185)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: Bright Nebula</p> <p>Constellation: Cassiopeia            Coordinates:  <b>01h 03' 11"</b>  <b>60° 42' 24"</b></p> <p>Close Star: SAO-11482 (Navi)            Catalog Objects: <a href="#">SH2-185</a>            Imaging Window: 06:59 – 02:24            Transit: 10:38   62°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="text-align: center;"><small>Gamma Cassiopeiae Nebula (SH2-185, IRLN-620, IC-59 &amp; IC-163)</small></p>
<p><b>Gamma Cassiopeiae Nebula (SH2-185)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: Bright Nebula</p> <p>Constellation: Cassiopeia            Coordinates:  <b>00h 58' 48"</b>  <b>61° 04' 02"</b></p> <p>Close Star: SAO-11482 (Navi)            Catalog Objects: <a href="#">SH2-185</a>            Imaging Window: 06:59 – 02:24            Transit: 10:38   62°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>FOV 0.73 x 0.49° • RA, 00hr 58' 48", DEC 61° 04' 02"</small></p>

# Prospective Imaging Objects – November 01, 2024




<p><b>IC-1613</b>            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Irregular Dwarf Galaxy</b></p> <p>Constellation: <b>Cetus</b>            Coordinates:  <b>01h 04' 48"</b>  <b>02° 07' 07"</b></p> <p>Close Star: SAO-75151 (Hamal)            Catalog Objects: <a href="#">IC-1613</a>            Imaging Window: <b>08:27 – 01:04</b>            Transit: <b>10:42   59°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>Mirachs Ghost (NGC-404)</b>            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Elliptical Galaxy</b></p> <p>Constellation: <b>Andromeda</b>            Coordinates:  <b>01h 09' 36"</b>  <b>35° 40' 58"</b></p> <p>Close Star: SAO-544471 (Mirach)            Catalog Objects: <a href="#">NGC-404</a>            Imaging Window: <b>07:09 – 02:30</b>            Transit: <b>10:47   88°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-457 &amp; Dolphin Nebula</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Open Cluster &amp; Nebula</b></p> <p>Constellation: <b>Cassiopeia</b>            Coordinates:  <b>01° 23' 38"</b>  <b>58° 12' 54"</b></p> <p>Close Star: SAO-22268 (Ruchbah)            Catalog Objects: <a href="#">NGC-457</a>            Imaging Window: <b>07:13 – 02:47</b>            Transit: <b>10:57   65°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p> 

# Prospective Imaging Objects – November 01, 2024




<p><b>Owl Cluster</b> (<a href="#">NGC-457</a>)            Config: C11-HD   ZWO6200MC</p> <p>Type: <b>Open Cluster &amp; Nebula</b></p> <p>Constellation: <b>Cassiopeia</b>            Coordinates:  <b>01h 23' 38"</b>  <b>58° 12' 54"</b></p> <p>Close Star: SAO-22268 (Ruchbah)            Catalog Objects: <a href="#">NGC-457</a>            Imaging Window: <b>07:13 – 02:47</b>            Transit: <b>10:57   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>
<p><b>Minkowski's Object</b> (<a href="#">Arp-133</a>)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Galaxy Cluster</b>            Constellation: <b>Cetus</b>            Coordinates:  <b>01h 25' 27"</b>  <b>-01° 29' 03"</b></p> <p>Close Star: SAO-75151 (Hamal)            Catalog Objects: <a href="#">ARP-133</a>            Imaging Window: <b>09:05 – 01:08</b>            Transit: <b>11:03   55°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>
<p><b>Firefox Nebula</b> (<a href="#">Sh 2-188</a>)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>01h 31' 37"</b>  <b>58° 21' 22"</b></p> <p>Close Star: SAO-22268 (Ruchbah)            Catalog Objects: <a href="#">Sh 2-188</a></p> <p>Imaging Window: <b>07:24 – 02:58</b>            Transit: <b>11:08   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>



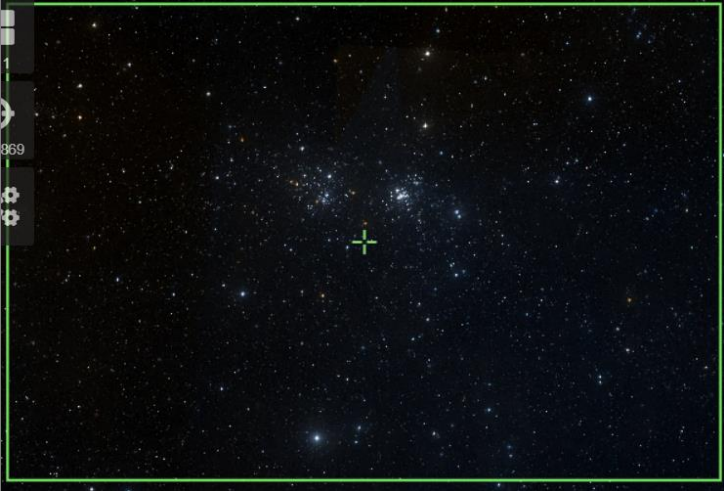


# Prospective Imaging Objects – November 01, 2024

<p><b>M-103</b> (NGC-581) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b> Constellation: <b>Cassiopeia</b> Coordinates: <b>01h 33' 31"</b> <b>60° 39' 44"</b></p> <p>Close Star: ISO-22268 (Ruchbah) Catalog Objects: <a href="#">M-103</a>/NGC-581</p> <p>Imaging Window: <b>07:30 – 02:58</b> Transit: <b>11:11   63°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>Triangulum Galaxy (M-33)</b> Config: C11   HS   ZWO6200MC</p> <p>Type: <b>Galaxy</b> Constellation: <b>Triangulum</b> Coordinates: <b>01h 33' 52"</b> <b>30° 39' 29"</b></p> <p>Close Star: <b>SAO-74996</b> Catalog Objects: <a href="#">M33</a>, NGC598</p> <p>Imaging Window: <b>07:41 – 02:48</b> Transit: <b>11:11   87°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p> <p>FOV 3.80 x 2.53° · RA 01hr 33' 52", DEC 30° 39' 29" · 1.43"/px</p> 
<p><b>Triangulum Galaxy (M-33)</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Galaxy</b> Peak: <b>Oct 14</b> Constellation: <b>Triangulum</b></p> <p><b>Camera Rotation - 90°</b></p> <p>Coordinates: <b>01h 33' 52"</b> <b>30° 39' 29"</b></p> <p>Close Star: <b>SAO-74996</b> Catalog Objects: <a href="#">M33</a>, NGC598</p> <p>Imaging Window: <b>07:41 – 02:48</b> Transit: <b>11:11   87°</b></p>	<p><b>CH11-HD Focal Reducer 90° Rotation</b></p> 


# Prospective Imaging Objects – November 01, 2024

<p><b>M-74</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Spiral Galaxy</b> Peak: Constellation: <b>Pisces</b> Coordinates: <b>01h 36' 42"</b> <b>15° 46' 60"</b></p> <p>Close Star: ISO-91781 (Algenib) Catalog Objects: <a href="#">M-74</a></p> <p>Imaging Window: <b>08:13 – 02:21</b> Transit: <b>11:14   72°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Spiral Galaxy M-74 (NGC-628) Constellation: Pisces RA = 01h 36m 42.52s DEC = +15deg 46' 00.03" Size = 42.3 x 28.9 arcmin (Pixel scale = 0.440 arcsec/pixel) Location: Mount Graham Teleside, AZ Constellation: Pisces Exposure Info: 2000/3000/15min Gain: 1200 (Offset: 100)</p>
<p><b>Little Dumbbell Nebula (M-76)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b> Peak: Constellation: <b>Perseus</b> Coordinates: <b>01h 42' 18"</b> <b>51° 34' 17"</b></p> <p>Close Star: ISO-37375 Catalog Objects: <a href="#">M-76</a>/ NGC-650 Imaging Window: <b>07:32 – 03:13</b> Transit: <b>11:20   72°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Little Dumbbell Nebula (M-76, NGC-650) Constellation: Perseus RA = 01h 42m 15.3s DEC = +51deg 34' 18.5" Size = 36.8 x 24.5 arcmin (Orientation: 0.44deg E of N) (Pixel scale = 0.440 arcsec/pixel) (FL = 2000mm) James Yoder / Location(s): Messier Grounds(2020-10-14), Chandler(2020-10-19), AZ Constellation: Perseus Config:  C-11 HD ShadeWegloter (OPT 1200) Exposure Info: 4000/3000/15min Gain: 2200 (Offset: 100)</p>
<p><b>Nautilus Galaxy (NGC-772)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b> Peak: Constellation: <b>Aries</b> Coordinates: <b>01h 59' 19"</b> <b>19° 00' 27"</b></p> <p>Close Star: ISO-75012 (Sheratan) Catalog Objects: <a href="#">NGC-772</a></p> <p>Imaging Window: <b>08:28 – 02:51</b> Transit: <b>11:37   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Nautilus Galaxy (NGC-772) Constellation: Aries RA = 01h 59m 19.0s DEC = +19deg 00' 27.0" Size = 36.8 x 24.5 arcmin (Orientation: 0.44deg E of N) (Pixel scale = 0.440 arcsec/pixel) (FL = 2000mm)</p>



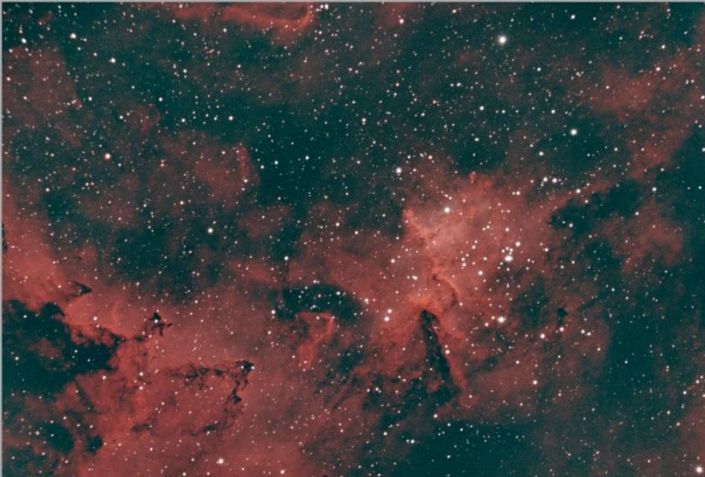
# Prospective Imaging Objects – November 01, 2024

<p><b>Hand chi Persei</b> (NGC 869, 884)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Double Open Cluster</b>            Peak: <b>October 28</b>            Constellation: <b>Perseus</b>            Coordinates:  <b>02hr 20' 31"</b>  <b>56° 54' 05"</b></p> <p>Close Star: SAO-22258 (Ruchbah)            Catalog Objects: <a href="#">NGC 869, 884</a></p> <p>Imaging Window: <b>08:11 – 03:48</b>            Transit: <b>11:56   66°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Edge On Galaxy</b> (NGC 891)            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Peak: <b>Oct 27</b>            Constellation: <b>Andromeda</b>            Coordinates:  <b>02h 23' 43.29"</b>  <b>42° 25' 46.4"</b></p> <p>Close Star: <b>SAO-37734</b>            Catalog Objects: <a href="#">NGC891</a></p> <p>Imaging Window: <b>08:12 – 03:50</b>            Transit: <b>12:00   81°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Edge-On Galaxy NGC-891</p>
<p><b>NGC-925</b> (PGC 9332)            Config:  C11-HD ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Constellation: <b>Triangulum</b>            Coordinates:  <b>02h 27' 17"</b>  <b>33° 34' 44"</b></p> <p>Close Star: <b>SAO-55306</b> (Beta Trianguli)            Catalog Objects: <a href="#">NGC925/PGC9332</a></p> <p>Imaging Window: <b>08:30 – 03:46</b>            Transit: <b>12:05   90°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">NGC-925            The Spiral Galaxy in Triangulum            NGC 925 (PGC 9332) is a face-on, S-shaped, grand design spiral galaxy in the constellation Triangulum. It is the largest member of the M33 Group of galaxies, which also includes the dwarf galaxies NGC 604 and NGC 617. NGC 925 is a member of the Local Group of galaxies, which also includes the Milky Way and the Andromeda Galaxy. It is located approximately 2.7 million light-years from Earth.</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>Fish Head Nebula (IC-1795)</b>          Config:  C11-          HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>          Constellation: <b>Cassiopeia</b></p> <p>Coordinates:  <b>02h 27' 03"</b>  <b>62° 02' 31"</b></p> <p>Close Star: <b>SAO-38787</b> (Mirfak)          Catalog Objects: <a href="#">IC-1795</a></p> <p>Imaging Window: <b>08:25 – 03:47</b>          Transit: <b>12:03   87°</b></p>	<p>CH11-HD <b>Focal Reducer</b></p>  <p><small>Fish Head Nebula (IC-1795)          Constellation: Cassiopeia          RA: 02h 27m 03s, DEC: 62° 02' 31"</small></p>
<p><b>Heart and Soul Nebulas</b>          Config: C11   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cassiopeia</b>          Coordinates (RA, DEC):          Pane 1: <b>02hr 55' 41", 62° 09' 11"</b>          Pane 2: <b>02hr 31' 16", 62° 09' 11"</b>          Pane 3: <b>02hr 54' 58", 60° 15' 00"</b>          Pane 4: <b>02hr 31' 59", 60° 15' 00"</b></p> <p>Close Star: <b>SAO-38787</b> (Mirfak)          Catalog Objects: <a href="#">IC-1848</a></p> <p>Imaging Window: <b>08:48 – 04:16</b>          Transit: <b>12:29   63°</b></p>	<p>C-11 HD: HyperStar v4  <b>SUPER-4 Composite!</b></p> <p>FOV 6.65 x 4.45° · RA 02hr 43' 29", DEC 61° 14' 02"</p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Heart Nebula (IC 1805)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Peak: <b>October 31</b>            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>02hr 31' 16"</b>  <b>61° 21' 36"</b></p> <p>Close Star: SAO-12031            Catalog Objects: <a href="#">IC 1805</a></p> <p>Imaging Window: <b>08:31 – 03:56</b>            Transit: <b>12:10   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Heart Nebula (IC 1805)            Constellation: Cassiopeia</p> <p style="font-size: x-small; text-align: right;">James Yoder 2018.09.26            Location: Chandler, AZ            Config: C11   HyperStar   Astronomik CLS-CDD (OHV 128)            Exposure Info: 250ms/Star (Gain: 3200, Offset: 180)</p>
<p><b>Heart Nebula (IC 1805)</b>            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>02hr 26' 36"</b>  <b>62° 06' 53"</b></p> <p>Close Star: SAO-12031            Catalog Objects: <a href="#">IC 1805</a></p> <p>Imaging Window: <b>08:31 – 03:56</b>            Transit: <b>12:10   62°</b></p>	<p style="text-align: center;"><b>CH11-HD Focal Reducer</b></p>  <p style="font-size: small;">Heart Nebula core (IC-1805)            Constellation: Cassiopeia</p> <p style="font-size: x-small; text-align: right;">James Yoder 2019.11.01            Location: Chandler, AZ            Config: C11-HD   F7 Reducer   Astronomik CLS-CDD (OHV 128)            Exposure Info: 200ms/Star (Gain: 2000, Offset: 180)</p>
<p><b>Heart Nebula (IC-1805)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak: <b>October 31</b>            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>02hr 32' 42"</b>  <b>61° 27' 00"</b></p> <p>Close Star: SAO-12031            Catalog Objects: <a href="#">IC 1805</a></p> <p>Imaging Window: <b>08:31 – 03:56</b>            Transit: <b>12:10   62°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Heart Nebula Core (IC-1805)            Constellation: Cassiopeia</p> <p style="font-size: x-small; text-align: right;">James Yoder 2018.09.14            Location: Chandler, AZ            Config: C11   Starizona LF Reducer   SFP Triad Filter (OHV 128)            Exposure Info: 200ms/Star (Gain: 1100, Offset: 170)</p>



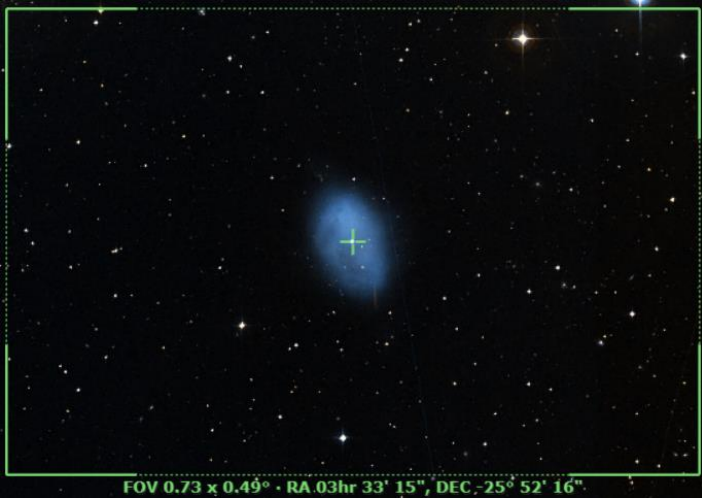
# Prospective Imaging Objects – November 01, 2024

<p><b>M-77, NGC 1055</b>            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Peak:            Constellation: <b>Cetus</b>            Coordinates:  <b>02hr 42' 14"</b>  <b>00° 14' 28"</b>  <b>Angle: 90°</b></p> <p>Close Star: <b>SAO-110665</b>            Catalog Objects: <a href="#">M-77</a>, NGC-1055, NGC-1068</p> <p>Imaging Window: <b>10:15 – 02:32</b>            Transit: <b>12:20   57°</b></p>	<p style="text-align: center;"><b>CH11-HD Focal Reducer</b></p>  <p style="font-size: small;">Galaxies NGC-1055, M-77, NGC-1072            Constellation: Cetus            RA=02h 42m 26.5s DEC=+00deg 14' 13.5" Size=55.2 x 39.3 arcmin Orientation: -90.5deg E of N   Pixel scale = 0.579 arcsec/pixel   FL=1956mm            James Yoder   Date(s) 2020-12-20, 21, 22   Location: Chandler, AZ            Config: C11-HD   0.7 Reducer   Filter(s): Baader Skyglow, CLS-CCD (DAS-LP-612) Camera: OHV120C1            Exposure Info: (418ms/5min)   Gain: 3200   Offset: 100</p>
<p><b>NGC-1055</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Peak:            Constellation: <b>Cetus</b>            Coordinates:  <b>02hr 41' 50"</b>  <b>00° 29' 48"</b></p> <p>Close Star: <b>SAO-110665</b>            Catalog Objects: <a href="#">NGC-1055</a></p> <p>Imaging Window: <b>10:12 – 02:33</b>            Transit: <b>12:19   57°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-34 (NGC-1039)</b>            Config:  C11-HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Perseus</b>            Coordinates:  <b>02h 42' 05"</b>  <b>42° 45' 42"</b></p> <p>Close Star: <b>SAO-38592</b> (Algol)            Catalog Objects: <a href="#">M-34</a>/NGC-1039</p> <p>Imaging Window: <b>08:35 – 04:10</b>            Transit: <b>12:19   81°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p> 

# Prospective Imaging Objects – November 01, 2024




<p><b>M 77 (NGC 1068)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Peak:            Constellation: <b>Cetus</b>            Coordinates:  <b>02hr 42' 34"</b>  <b>00° 02' 07"</b></p> <p>Close Star: <b>SAO-110665</b>            Catalog Objects: M 77, <a href="#">NGC-1068</a></p> <p>Imaging Window: <b>10:15 – 02:32</b>            Transit: <b>12:20   57°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Soul Nebula (IC-1848)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>02hr 57' 16"</b>  <b>60° 37' 37"</b></p> <p>Close Star: <b>SAO-38787 (Mirfak)</b>            Catalog Objects: <a href="#">IC 1848</a></p> <p>Imaging Window: <b>08:48 – 04:16</b>            Transit: <b>12:29   63°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Soul Nebula (IC-1848)            Constellation: Cassiopeia</p> <p style="font-size: x-small; text-align: right;">             James Yoder - 2018-08-20              Location: Chandler, AZ              Config:  C11 HyperStar Astronomik 128C ZWO 128C               Exposure Info: 240min@5min Gain: 3200 Offset: 180           </p>
<p><b>Soul Nebula (IC-1848)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Cassiopeia</b>            Coordinates:  <b>02hr 57' 16"</b>  <b>60° 37' 37"</b></p> <p>Close Star: <b>SAO-38787 (Mirfak)</b>            Catalog Objects: <a href="#">IC 1848</a></p> <p>Imaging Window: <b>08:48 – 04:16</b>            Transit: <b>12:29   63°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Soul Nebula (IC-1848)            Constellation: Cassiopeia</p> <p style="font-size: x-small; text-align: right;">             James Yoder - 2018-11-09              Location: Chandler, AZ              Config:  C11 Seymour 128C ZWO 128C               Exposure Info: 270min@5min Gain: 3200 Offset: 180           </p>

# Prospective Imaging Objects – November 01, 2024


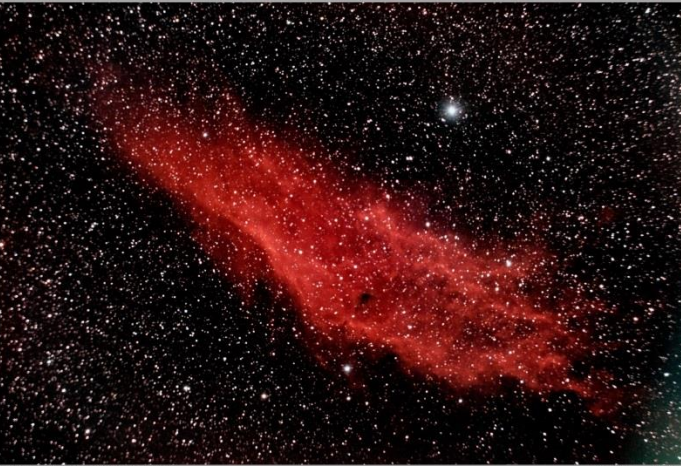

<p><b>Perseus Galaxy Cluster</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy Cluster</b>            Peak:            Constellation: <b>Perseus</b>            Coordinates:  <b>03hr 19' 58"</b>  <b>41° 29' 13"</b></p> <p>Close Star: <b>SAO-38592</b> (Algol)            Catalog Objects: <a href="#">Abell-426</a>, NGC1275,            1278, 1272, Et. El.</p> <p>Imaging Window: <b>09:14 – 04:47</b>            Transit: <b>12:57   82°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-1333</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak: <b>November 13</b>            Constellation: <b>Perseus</b>            Coordinates:  <b>03hr 29' 15"</b>  <b>31° 20' 12"</b></p> <p>Close Star: <b>SAO-56799</b>            Catalog Objects: <a href="#">NGC 1333</a></p> <p>Imaging Window: <b>09:35 – 04:44</b>            Transit: <b>01:06   88°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-1360</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Peak:            Constellation: <b>Fornax</b>            Coordinates:  <b>03hr 33' 15"</b>  <b>-25° 52' 16"</b></p> <p>Close Star: <b>SAO-168460</b>            Catalog Objects: <a href="#">NGC-1360</a></p> <p>Imaging Window: <b>*11:22 – 03:06</b>            Transit: <b>01:10   31°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 






# Prospective Imaging Objects – November 01, 2024

<p><b>IC-348</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b> Peak: Constellation: <b>Perseus</b> Coordinates: <b>03hr 44' 26"</b> <b>32° 10' 54"</b></p> <p>Close Star: SAO-147420 Catalog Objects: <a href="#">IC-348</a></p> <p>Imaging Window: <b>09:49 – 05:01</b> Transit: <b>01:22   89°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>IC-342</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Barred Spiral Galaxy</b> Peak: Constellation: <b>Camelopardalis</b> Coordinates: <b>03hr 46' 48"</b> <b>68° 05' 44"</b></p> <p>Close Star: SAO-12031 (Segin) Catalog Objects: <a href="#">IC-342</a></p> <p>Imaging Window: <b>10:05 – 04:50</b> Transit: <b>01:24   55°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>Pleiades (M 45)</b> Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Bright Nebula</b> Peak: <b>November 16</b> Constellation: <b>Taurus</b> Coordinates: <b>03hr 46' 07"</b> <b>24° 11' 18"</b></p> <p>Close Star: SAO-56799 Catalog Objects: <a href="#">M45</a></p> <p>Imaging Window: <b>10:04 – 04:49</b> Transit: <b>01:23   81°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p>  <p><small>The Pleiades (M-45) Constellation: Taurus Image Author: 2018-10-05 Location: Mount Pleasant, Michigan, USA Config: C11 HyperStar (HS) v4 Exposure Info: 300mag/Star (Gain: 118) (Offset: 17)</small></p>

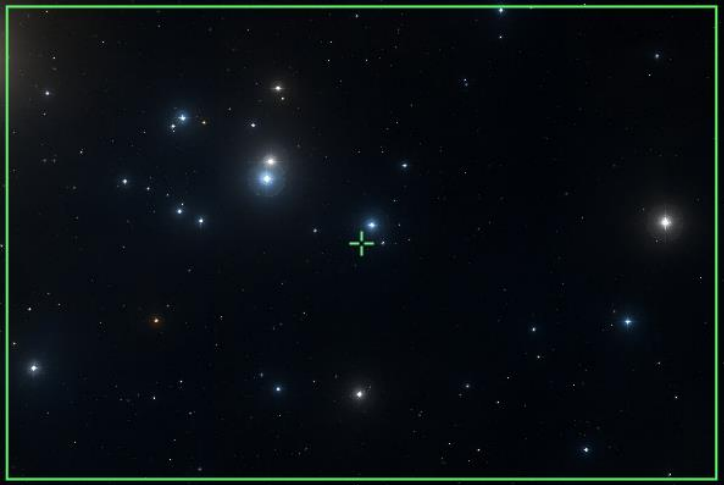


# Prospective Imaging Objects – November 01, 2024

<p><b>Pleiades (M-45)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak: <b>November 16</b>            Constellation: <b>Taurus</b>            Coordinates:  <b>03hr 46' 15.932"</b>  <b>24° 12' 07.154"</b></p> <p>Close Star: <b>SAO-56799</b>            Catalog Objects: <a href="#">M45</a></p> <p>Imaging Window: <b>10:04 – 04:49</b>            Transit: <b>01:23   81°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">The Pleiades (M-45)            Constellation: Taurus            RA = 03h 46m 15.932s DEC = +24deg 12' 07.154" Size = 49.9 x 33.6 arcmin   Pixel scale = 0.582 arcsec/pixel</p> <p style="font-size: x-small; text-align: right;">James Yoder 2019 09 27            Location: Phoenix, Arizona, Trafton, AZ            Config:  C1 LF ZWO6200MC             Exposure Info: 200img/5min Gain: 3200   Offset: 100</p>
<p><b>California Nebula (NGC 1499)</b>            Config: C11-HD   HS              ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Peak: <b>November 22</b>            Constellation: <b>Perseus</b>            Coordinates:  <b>04hr 01' 22"</b>  <b>36° 21' 19"</b></p> <p>Close Star: SAO-56840            Catalog Objects: <a href="#">NGC 1499</a></p> <p>Imaging Window: <b>10:02 – 05:23</b>            Transit: <b>01:40   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">California Nebula (NGC-1499)            Constellation: Perseus</p> <p style="font-size: x-small; text-align: right;">James Yoder 2019 08 31            Location: Chandler, AZ            Config:  C11 HyperStar Astronomik C11-S-C-13 GOTO12K             Exposure Info: 220img/5min Gain: 3200   Offset: 100</p>
<p><b>Oyster Nebula (NGC 1501)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Constellation: <b>Camelopardalis</b>            Coordinates:  <b>04hr 06' 58"</b>  <b>60° 55' 3.5"</b></p> <p>Close Star: <b>SAO-038787 (Mirfak)</b>            Catalog Objects: <a href="#">NGC-1501</a></p> <p>Imaging Window: <b>10:04 – 05:23</b>            Transit: <b>01:44   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC-1501 (Oyster Nebula)            Constellation: Camelopardalis</p> <p style="font-size: x-small; text-align: right;">James Yoder   Data: 2021-12-10   Location: Chandler, AZ            Config:  C-11 HD EPT Third Rotor Ultra  ZWO 6200MC             Exposure Info: 162img/2min Gain: 100   Offset: 50</p>

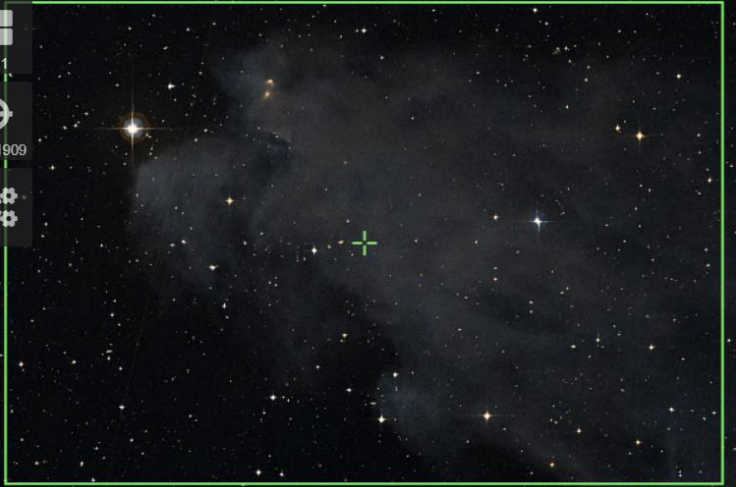


# Prospective Imaging Objects – November 01, 2024

<p><b>Crystal Ball Nebula (NGC 1514)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Constellation: <b>Taurus</b>            Coordinates:  <b>04hr 09' 17"</b>  <b>30° 46' 35"</b></p> <p>Close Star: <b>SAO-56799</b>            Catalog Objects: <a href="#">NGC-1514</a></p> <p>Imaging Window: <b>10:16 – 05:23</b>            Transit: <b>01:46   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC-1514 (Crystal Ball Nebula)            Constellation: Taurus            RA = 04h 09m 17.0s, DEC = +30deg 46' 35.0", Size = 18.5 x 11.9 arcmin, Orientation: 0.4deg E of N, Pixel scale = 0.278 arcseconds (FL = 2000mm)</p> <p style="font-size: x-small; text-align: right;">James Yoder   Date: 2024-12-09   Location: Chandler, AZ            Config:  C-11 HD ZWO6200MC             Exposure Info:   44 6000/2min   Gain: 100   Offset: 50</p>
<p><b>Cleopatra's Eye (NGC 1535)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Constellation: <b>Eridanus</b>            Coordinates:  <b>04hr 14' 16"</b>  <b>-12° 44' 20"</b></p> <p>Close Star: <b>SAO-131907</b> (Rigel)            Catalog Objects: <a href="#">NGC-1535</a></p> <p>Imaging Window: <b>*11:45 – 03:59</b>            Transit: <b>01:51   44°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Planetary Nebula NGC-1535 (Cleopatra's Eye)            Constellation: Eridanus            RA = 04h 14m 16.0s, DEC = -12deg 44' 20.0", Distance to Ring E of N, Pixel Scale = 0.278 arcseconds (FL = 2000mm)</p> <p style="font-size: x-small; text-align: right;">James Yoder   Date: 2024-12-09   Location: Chandler, AZ            Config:  C-11 HD ZWO6200MC             Exposure Information:   10min   Gain: 100   Offset: 50</p>
<p><b>Hind's Variable Nebula (NGC 1555)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Constellation: <b>Taurus</b>            Coordinates:  <b>04hr 21' 54"</b>  <b>19° 32' 00"</b></p> <p>Close Star: <b>SAO-94027</b> (Aldebaran)            Catalog Objects: <a href="#">NGC-1555</a></p> <p>Imaging Window: <b>10:50 – 05:15</b>            Transit: <b>01:59   76°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> <p style="text-align: center; color: green; font-weight: bold;">FOV 0.73 x 0.48° · RA 04hr 21' 54", DEC 19° 32' 00"</p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Hyades</b> (Mel 25)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Taurus</b>            Coordinates:  <b>04hr 26' 34"</b>  <b>15° 31' 39"</b></p> <p>Close Star: SAO-56840            Catalog Objects: <a href="#">Mel 25</a></p> <p>Imaging Window: <b>11:03 – 05:17</b>            Transit: <b>02:07   73°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Trifid of the North</b> (NGC 1579)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Perseus</b>            Coordinates:  <b>04hr 30' 12"</b>  <b>35° 16' 60"</b></p> <p>Close Star: SAO-56799            Catalog Objects: <a href="#">NGC-1579</a></p> <p>Imaging Window: <b>10:30 – 05:23</b>            Transit: <b>02:07   88°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Witch Head Nebula</b> (IC 2118)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Eridanus</b>            Coordinates:  <b>05hr 05' 19.872"</b>  <b>-06° 56' 00.365"</b></p> <p>Close Star: SAO-131794            Catalog Objects: <a href="#">IC 2118</a></p> <p>Imaging Window: <b>*12:11 – 05:17</b>            Transit: <b>02:39   49°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">             Witch Head Nebula (IC-2118)              Constellation: Eridanus                RA = 05h 05m 19.872s DEC = -06deg 56' 00.365"   Size = 2.66 x 1.78 deg   Pixel scale = 2.27 arcsec/pixel             </p> <p style="font-size: x-small; text-align: right;">             James Yoder 2019.09.28              Location: Chandler, AZ              Config:   C11   HyperStar   Baader Skyliner   QHY 236C                Exposure Info:   54fms @ 90s   Gain: 3200   Offset: 180             </p>


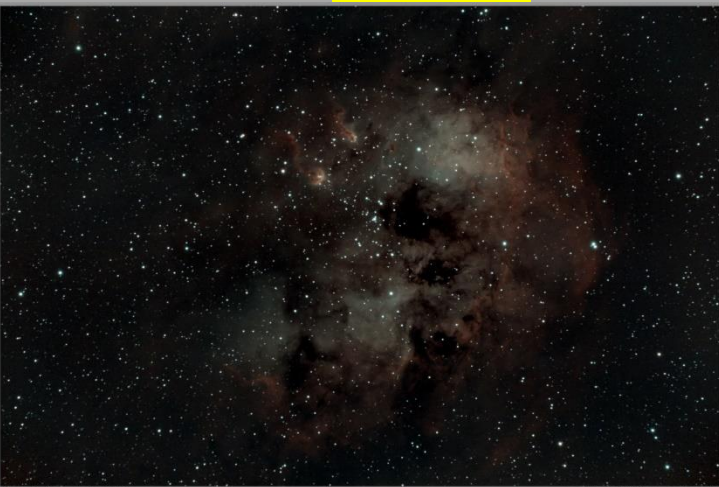

# Prospective Imaging Objects – November 01, 2024

<p><b>Witch Head Nebula</b> (IC 2118)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Eridanus</b>            Coordinates:  <b>05hr 07' 07"</b>  <b>-06° 20' 07"</b></p> <p>Close Star: SAO-131794            Catalog Objects: <a href="#">IC 2118</a></p> <p>Imaging Window: *12:11 – 05:17            Transit: 02:39   49°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Foxface Nebula</b> (NGC 1788)            Config:  C11 HS ZWO6200MCc </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 06' 10"</b>  <b>-04° 04' 26"</b></p> <p>Close Star: SAO-131794            Catalog Objects: <a href="#">NGC 1788</a></p> <p>Imaging Window: 12:57 – 04:38            Transit: 02:44</p>	<p style="text-align: center;"><b>Hyperstar</b></p> <p style="text-align: center;">FOV 3.80 x 2.54° · RA 05hr 06' 10", DEC -04° 04' 26"</p> 
<p><b>Foxface Nebula</b> (NGC 1788)            Config:  C11-            HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 05' 52"</b>  <b>-03° 22' 22"</b></p> <p>Close Star: SAO-131794            Catalog Objects: <a href="#">NGC 1788</a></p> <p>Imaging Window: 12:57 – 04:38            Transit: 02:44</p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 



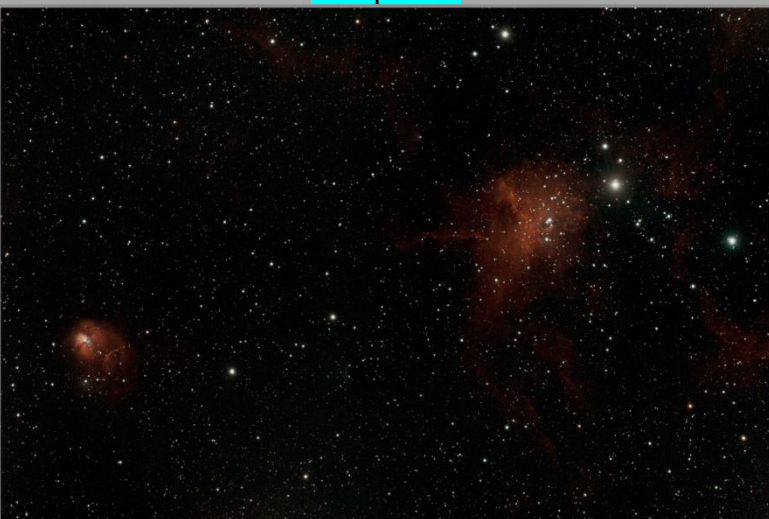
# Prospective Imaging Objects – November 01, 2024

<p><b>Foxface Nebula (NGC 1788)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 06' 26"</b>  <b>-03° 20' 13"</b></p> <p>Close Star: SAO-131794            Catalog Objects: <a href="#">NGC 1788</a></p> <p>Imaging Window: <b>12:57 – 04:38</b>            Transit: <b>02:44</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Flaming Star Nebula (IC-405)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 19' 38"</b>  <b>33° 49' 10"</b></p> <p>Close Star: SAO-77168 (Elnath)            Catalog Objects: <a href="#">IC 405</a>, <a href="#">IC 410</a></p> <p>Imaging Window: <b>11:19 – 05:23</b>            Transit: <b>02:54   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Flaming Star Nebula (IC-405, IC-410, IC-417)            Constellation: Auriga            Config: C-11HD HyperStar v4 AmScope C15-C40 CCD QHY172C            RA=05h 19m 35.62s DEC=+33deg 49' 10.29" Size= 4.17 arcmin Pixel scale= 0.238 arcsec/pixel            Exposure Info: 47Through/Star (Gain: 2000) (Offset: 100)</p>
<p><b>Flaming Star Nebula (IC 405)</b>            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 15' 55"</b>  <b>34° 29' 08"</b></p> <p>Close Star: SAO-77168 (Elnath)            Catalog Objects: <a href="#">IC 405</a></p> <p>Imaging Window: <b>11:19 – 05:23</b>            Transit: <b>02:54   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b></b></p>  <p style="font-size: small;">Flaming Star Nebula (IC-405)            Constellation: Auriga            RA=05h 15m 55.33s DEC=+34deg 27' 32.17" Size= 58.8 x 41.7 arcmin Orientation: Mag E of N Pixel scale= 0.429 arcsec/pixel FL=1907mm            Config: C11-410 (0.7 Reducer) Filter: Optolong L-Enhance Camera: QHY172C            Exposure Info: 47Through/Star (Gain: 2000) (Offset: 100)</p>

# Prospective Imaging Objects – November 01, 2024




<p><b>Flaming Star Nebula (IC 405)</b>            Config:  C11-HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 16' 37"</b>  <b>34° 23' 47"</b></p> <p>Close Star: SAO-77168 (Elnath)            Catalog Objects: <a href="#">IC 405</a></p> <p>Imaging Window: <b>11:19 – 05:23</b>            Transit: <b>02:54   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Tadpoles (IC 410)</b>            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 22' 54"</b>  <b>33° 23' 31"</b></p> <p>Close Star: SAO-77168 (Elnath)            Catalog Objects: <a href="#">IC 410</a></p> <p>Imaging Window: <b>11:25 – 05:23</b>            Transit: <b>02:59   90°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="font-size: small;">Tadpole Nebula (IC-410)            Constellation: Auriga            RA = 05h 22m 55.355s, DEC = +33deg 23' 32.44"   Size = 78.3 x 58.8 arcsec   Orientation: Along E of N   Pixel scale = 0.61 arcsec/pixel   FL=1075mm</p> <p style="font-size: x-small; text-align: right;">Image taken: 2023-10-01   Location: Chandler, AZ            Config: C-11 HD   F7 Reducer   Filter: Optolong L-Extreme   Camera: QHY128C            Exposure Info: 81frames/5min   Gain: 3200   Offset: 100</p>
<p><b>Tadpoles (IC 410)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 22' 37"</b>  <b>33° 23' 03"</b></p> <p>Close Star: SAO-77168 (Elnath)            Catalog Objects: <a href="#">IC 410</a></p> <p>Imaging Window: <b>11:25 – 05:23</b>            Transit: <b>02:59   90°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Tadpole Nebula (IC-410)            Constellation: Auriga            RA = 05h 22m 35.015s, DEC = +33deg 23' 03.19"   Size = 42.4 x 28.8 arcsec   Pixel scale = 0.402 arcsec/pixel</p> <p style="font-size: x-small; text-align: right;">Image taken: 2023-10-02            Location: Chandler, AZ            Config: C-11 HD   Antaresmk C3-ACCU   QHY128C            Exposure Info: 210frames/5min   Gain: 3000   Offset: 100</p>

# Prospective Imaging Objects – November 01, 2024



<p><b>M-79 (NGC-1904)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b> Peak: Constellation: <b>Lepus</b> Coordinates: <b>05hr 24' 11"</b> <b>-24° 31' 25"</b></p> <p>Close Star: SAO-170457 Catalog Objects: <a href="#">M 79</a></p> <p>Imaging Window: *01:03 – 05:10 Transit: 03:01   32°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Spirograph Nebula (IC 418)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b> Constellation: <b>Lepus</b> Coordinates: <b>05hr 27' 28"</b> <b>-12° 41' 48"</b></p> <p>Close Star: SAO-132542 (Saiph) Catalog Objects: <a href="#">IC-418</a></p> <p>Imaging Window: *12:59 – 05:10 Transit: 03:04   44°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>The Spider and the Fly (M-77, NGC-1055, NGC-1931)</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b> Peak: Constellation: <b>Auriga</b></p> <p><b>Camera Rotation - 90°</b> Frame 01 RA: <b>05hr 30' 44"</b>DEC: <b>34° 20' 41"</b> Frame 02 RA: <b>05hr 27' 55"</b>DEC: <b>34° 20' 41"</b></p> <p>Close Star: SAO-77168 (Elnath) Catalog Objects: <a href="#">IC-417</a>, <a href="#">NGC-1931</a></p> <p>Imaging Window: <b>11:30 – 05:23</b> Transit: <b>03:05   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b> Composite!</b></p>  <p><small>The Spider and the Fly (IC-417 &amp; NGC-1931) Constellation: Auriga RA: 05h 29m 17.51s DEC: -15deg 27' 34.90" Star: 68.0 x 45.3 pixels Observation: 6.5Mag E-oV. Pixel scale: 6.628 arcsec/pixel FL: 1978mm Image Stack: (Stack) 300 (1,10, 21, 32) (Landscape Orientation, 61) Config: C11 HD   F1 Filter   Star Optimizing   4-Axis   Canon   QHY 268C Exposure: 30s   Filter: 30nm/30nm   Filter: 30nm/30nm   Gain: 2000   Offset: 100</small></p>



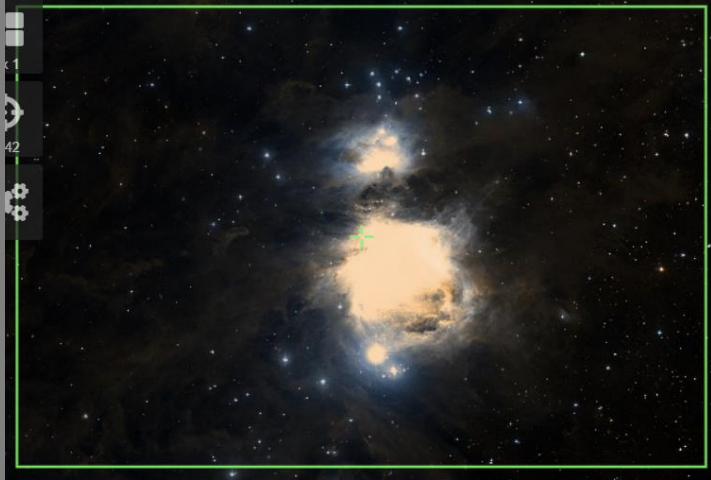


# Prospective Imaging Objects – November 01, 2024

<p><b>The Spider (IC 417)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b> Peak: Constellation: <b>Auriga</b> Coordinates: <b>05hr 28' 03"</b> <b>34° 22' 58"</b></p> <p>Close Star: SAO-77168 (Elnath) Catalog Objects: <a href="#">IC 417</a></p> <p>Imaging Window: <b>11:30 – 05:23</b> Transit: <b>03:05   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Starfish Cluster (M-38)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b> Constellation: <b>Auriga</b> Coordinates: <b>05hr 28' 43"</b> <b>35° 51' 18"</b></p> <p>Close Star: <b>SAO-77168</b> (Elnath) Catalog Objects: <a href="#">M-38</a></p> <p>Imaging Window: <b>11:28 – 05:23</b> Transit: <b>03:05   88°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p><small>M-38 Starfish Cluster</small></p> <p><small>James Yoder 2019.09.30</small></p>
<p><b>The Fly (NGC 1931)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b> Peak: Constellation: <b>Auriga</b> Coordinates: <b>05hr 31' 24"</b> <b>34° 15' 00"</b></p> <p>Close Star: SAO-77168 (Elnath) Catalog Objects: <a href="#">NGC 1931</a></p> <p>Imaging Window: <b>11:33 – 05:23</b> Transit: <b>03:08   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Crab Nebula (M 1)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Peak:            Constellation: <b>Taurus</b>            Coordinates:  <b>05hr 34' 30"</b>  <b>22° 00' 59.9"</b></p> <p>Close Star: SAO-77336            Catalog Objects: <a href="#">M 1</a></p> <p>Imaging Window: <b>11:57 – 05:23</b>            Transit: <b>03:11   79°</b></p>	<p style="text-align: center;">Primary Focus</p>  <p style="font-size: small;">Crab Nebula (Messier-1)            James Yoder   Date(s) 2022-02-05, 07, 08, 09, 10   Location: Chandler, AZ              Constellation: Taurus   Config: C-11 HD 7 Blue OPT Kamin Ultra (QHY128K)              RA = 05h 34m 31.5s   DEC = +22deg 00' 34.4"   Size = 31.5 x 21.0 arcmin   Orientation: -0.34deg   Pixel scale = 0.447 arcsec/pixel   FL=2756mm   Exposure Info: (756ms@4min)   Gain: 3200   OBSt: 180</p>
<p><b>The Orion Complex</b>            Config: C11   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:            Frame 01            RA: <b>05hr 43' 42"</b> DEC: <b>-01° 01' 06"</b>            Frame 02            RA: <b>05hr 31' 05"</b> DEC: <b>-01° 01' 06"</b>            Frame 03            RA: <b>05hr 43' 42"</b> DEC: <b>-03° 07' 35"</b>            Frame 04            RA: <b>05hr 31' 04"</b> DEC: <b>-03° 07' 35"</b>            Frame 05            RA: <b>05hr 43' 43"</b> DEC: <b>-05° 14' 05"</b>            Frame 06            RA: <b>05hr 31' 04"</b> DEC: <b>-05° 14' 05"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">M-42</a></p> <p>Imaging Window: <b>12:29 – 05:23</b>            Transit: <b>03:12</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b>  <b>SUPER-6 Composite!</b></p> <p style="text-align: center; color: green;">FOV 6.95 x 6.76° · RA 05hr 37' 23", DEC -03° 07' 40"</p> 

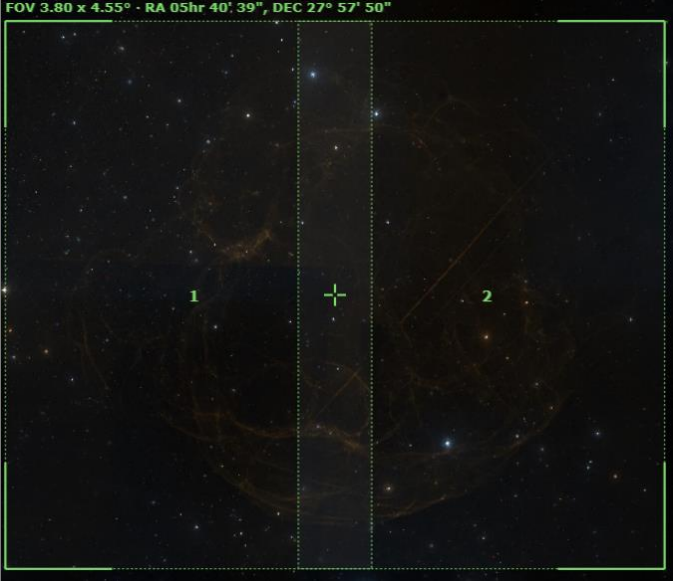
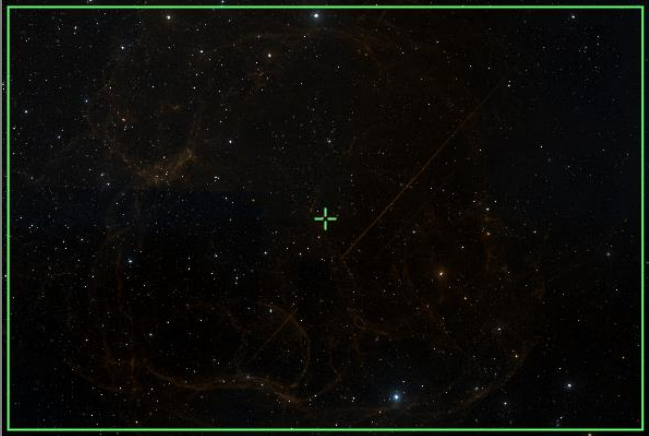
# Prospective Imaging Objects – November 01, 2024

<p><b>The Orion Nebula (M 42)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 35' 46"</b>  <b>-05° 15' 34"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">M-42</a></p> <p>Imaging Window: <b>12:29 – 05:23</b>            Transit: <b>03:12</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>The Orion Nebula (M 42)</b>            Config: C6-SE   HS   ZWO6200MC (Cropped)</p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 35' 18.4"</b>  <b>-05° 23' 51.0"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">M-42</a></p> <p>Imaging Window: <b>12:29 – 05:23</b>            Transit: <b>03:12</b></p>	<p style="text-align: center;"><b>C6-SE: HyperStar v4</b></p>  <p style="font-size: small;">Orion Nebula (M-42)            Constellation: Orion the Hunter            RA: 05h 35m 18.40s - Dec: -05° 23' 51.0" Size: 4.41 x 3.97 deg (Distance: 1540y R.A.N. Peak-bnds: 1.1) unexposed: 11 - 100ms</p> <p style="font-size: x-small; text-align: right;">James VanDer... 2019 01 23            Location: Chandler AZ            Config: C-6-SE   HyperStar V4   OPT Filter: H-alpha, H-beta, H-gamma, H-delta            Exposure: 112 (Stack) Gain: 100</p>
<p><b>The Orion Nebula (M 42)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 35' 09"</b>  <b>-05° 24' 32"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">M-42</a></p> <p>Imaging Window: <b>12:29 – 05:23</b>            Transit: <b>03:12</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Orion Nebula (M-42)            Constellation: Orion</p> <p style="font-size: x-small; text-align: right;">James VanDer... 2019 01 23            Location: Chandler AZ            Config: C-11   Starizona LF Filter   1700AD Filter   1700AD Filter            Exposure: 180 (Stack) Gain: 500   Offset: 180</p>




# Prospective Imaging Objects – November 01, 2024

<p><b>Running Man Nebula (NGC 1977)</b>            Config:  C6-HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 35' 18.1"</b>  <b>-04° 41' 25.9"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">NGC-1977</a></p> <p>Imaging Window: <b>01:35 – 05:23</b>            Transit: <b>03:12   52°</b></p>	<p style="text-align: center;"><b>C-6SE: Primary Focus</b></p>  <p style="font-size: small;">Running Man Nebula (NGC-1977)            Constellation: Orion the Hunter            RA = 05h 35m 18.1s Dec = -04deg 41' 25.9" Orientation: 0 deg E of N. Pixel scale = 0.51 arcsecond (E=1938nm)            James Webb   Date: 2024-10-01 Location: Canada, AL            Config: C-6SE EPT Radius Tool/Bus ZWO6200MC            Exposure: 1 (29 9999/300) Gain: 100</p>
<p><b>Running Man Nebula (NGC 1977)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 35' 27"</b>  <b>-04° 53' 09"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">NGC-1977</a></p> <p>Imaging Window: <b>01:35 – 05:23</b>            Transit: <b>03:12   52°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-36 (NGC-1960)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 36' 18"</b>  <b>34° 08' 27"</b></p> <p>Close Star: <b>SAO-77168 (Elnath)</b>            Catalog Objects: <a href="#">M-36</a>/NGC-1960</p> <p>Imaging Window: <b>11:08 – 05:23</b>            Transit: <b>03:13   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Pleiades Cluster (M-36, NGC-1960)            Constellation: Auriga            RA = 05h 36m 18.1s Dec = 34deg 08' 27.0" Orientation: 0 deg E of N. Pixel scale = 0.51 arcsecond (E=1938nm)            James Webb   Date: 2024-10-01 Location: Canada, AL            Config: C-11 HD EPT Radius Tool/Bus ZWO6200MC            Exposure: 1 (29 9999/300) Gain: 100</p>




# Prospective Imaging Objects – November 01, 2024

<p><b>Simeis 147</b> (SH2-240) Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Diffuse Nebula</b> Constellation: <b>Taurus</b></p> <p><b>Camera Rotation - 90°</b> Coordinates: Frame 01 RA: <b>05hr 45' 38"</b> DEC: <b>27° 56' 31"</b> Frame 02 RA: <b>05hr 36' 28"</b> DEC: <b>27° 56' 31"</b></p> <p>Close Star: <b>SAO-77168</b> (Elnath) Catalog Objects: <a href="#">SH2-240</a></p> <p>Imaging Window: <b>11:52 – 05:23</b> Transit: <b>03:18   85°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b> <b>Composite-2</b></p> 
<p><b>Simeis 147</b> (SH2-240) Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Diffuse Nebula</b> Constellation: <b>Taurus</b> Coordinates: <b>05hr 39' 04"</b> <b>28° 00' 00"</b></p> <p>Close Star: <b>SAO-77168</b> (Elnath) Catalog Objects: <a href="#">SH2-240</a></p> <p>Imaging Window: <b>11:52 – 05:23</b> Transit: <b>03:18   85°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 

# Prospective Imaging Objects – November 01, 2024

<p><b>Flame and Horsehead Nebula</b> (NGC 2024, B 33) Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse/Dark Nebula</b> Peak: Constellation: <b>Orion</b> Coordinates: <b>05hr 40' 04"</b> <b>-02° 28' 13"</b></p> <p>Close Star: SAO-132542 (Saiph) Catalog Objects: <a href="#">NGC-2024</a>, <a href="#">B-33</a></p> <p>Imaging Window: <b>01:23 – 05:23</b> Transit: <b>03:18   54°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Horsehead and Flame Nebula Constellation: Orion</p> <p style="font-size: x-small; text-align: right;">Date: 2024-10-01 Location: Mountain View, California, AZ Config: C11 HyperStar v4   ZWO6200MC Exposure Info: 10x10min/Star (Gain: 300)   Offset: 170</p>
<p><b>Flame Nebula</b> (NGC 2024) Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b> Peak: Constellation: <b>Orion</b> Coordinates: <b>05hr 41' 30"</b> <b>-01° 45' 21"</b></p> <p>Close Star: SAO-132542 (Saiph) Catalog Objects: <a href="#">NGC-2024</a></p> <p>Imaging Window: <b>01:23 – 05:23</b> Transit: <b>03:18   55°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center; font-size: small;">FOV 1.05 x 0.70° - RA 05hr 41' 30", DEC -01° 45' 21"</p>
<p><b>Flame Nebula</b> (NGC 2024) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b> Peak: Constellation: <b>Orion</b> Coordinates: <b>05hr 41' 45.843"</b> <b>-01° 49' 31.401"</b></p> <p>Close Star: SAO-132542 (Saiph) Catalog Objects: <a href="#">NGC-2024</a></p> <p>Imaging Window: <b>01:23 – 05:23</b> Transit: <b>03:18   55°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small;">Flame Nebula (NGC-2024) Constellation: Orion RA = 07h 41m 45.843s DEC = -01d 49' 31.401" Size = 42.7 x 28.8 arcmin. Pixel scale = 0.800 arcsec/pixel</p> <p style="font-size: x-small; text-align: right;">Date: 2024-10-01 Location: Mountain View, California, AZ Config: C11 HD Primary Focus   ZWO6200MC Exposure Info: 10x10min/Star (Gain: 300)   Offset: 180</p>

# Prospective Imaging Objects – November 01, 2024




<p><b>Horsehead Nebula (B 33)</b>            Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Dark Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 40' 59"</b>  <b>-02° 31' 47"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">B 33</a></p> <p>Imaging Window: <b>01:26 – 05:23</b>            Transit: <b>03:18   54°</b></p>	<p style="text-align: center;">Primary Focus</p>  <p style="font-size: small;">Horsehead Nebula (IC-434)            Constellation: Orion</p> <p style="font-size: x-small; text-align: right;">James Yoder - 2018-12-08            Location: Chandler, AZ            Config:  C1 Starizona L.F.Reducer + Final Filter   ZWO6200MC             Exposure Info: 200x30sec Gain: 200 (Offset: 100)</p>
<p><b>NGC 2022</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 42' 07"</b>  <b>09° 04' 55"</b></p> <p>Close Star: SAO-112740 (Bellatrix)            Catalog Objects: <a href="#">NGC-2022</a></p> <p>Imaging Window: <b>12:38 – 05:23</b>            Transit: <b>03:19   66°</b></p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">NGC-2022            Constellation: Orion</p> <p style="font-size: x-small; text-align: right;">James Yoder   Direct   2020-12-09, 10   Location: Chandler, AZ            Config:  C-11 HD EXP1 Third Ultra   ZWO6200MC             Exposure Info: 5x30sec2.0min Gain: 100 (Offset: 50)            [RA=05h42m06.6s DEC=+09deg 04' 54.9"] Size = 18.5 x 13.9 arcmin   Orientation: 0.4deg E of N   Pixel scale = 0.277 arcsecond   FL=2800mm</p>
<p><b>NGC 1961</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Spiral Galaxy</b>            Peak:            Constellation: <b>Camelopardalis</b>            Coordinates:  <b>05hr 43' 27"</b>  <b>69° 20' 48"</b></p> <p>Close Star: SAO-40750 (Menkalinan)            Catalog Objects: <a href="#">NGC-1961</a></p> <p>Imaging Window: <b>12:07 – 05:23</b>            Transit: <b>03:19   54°</b></p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Galaxy Cluster (NGC-1961 et al.)            Constellation: Camelopardalis</p> <p style="font-size: x-small; text-align: right;">James Yoder - 2019-10-25            Location: Mountain View, Indiana, AZ            Config:  C-11 HD   ZWO6200MC             Exposure Info: 10x30sec Gain: 200 (Offset: 100)</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>M-78</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Dark Nebula</b> Peak: Constellation: <b>Orion</b></p> <p>Frame 01 RA: <b>05hr 47' 05"</b>DEC: <b>00° 20' 09"</b></p> <p>Frame 02 RA: <b>05hr 47' 05"</b>DEC: <b>-00° 14' 43"</b></p> <p>Close Star: SAO-132346 (Annilam) Catalog Objects: <a href="#">M-78</a></p> <p>Imaging Window: <b>01:18 – 05:23</b> Transit: <b>03:23</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b> <b>Composite!</b></p> 
<p><b>M-78</b> Config:  C11- HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright and Dark Nebula</b> Peak: Constellation: <b>Orion</b> Coordinates: <b>05hr 46' 59"</b> <b>00° 08' 59"</b></p> <p>Close Star: SAO-132346 (Annilam) Catalog Objects: <a href="#">M-78</a></p> <p>Imaging Window: <b>01:18 – 05:23</b> Transit: <b>03:23</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 



# Prospective Imaging Objects – November 01, 2024

<p><b>M-78</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright and Dark Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 47' 03"</b>  <b>00° 09' 46"</b></p> <p>Close Star: SAO-132346 (Alnilam)            Catalog Objects: <a href="#">M-78</a></p> <p>Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:23</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Salt and Pepper Cluster(M-37)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Auriga</b>            Coordinates:  <b>05hr 52' 18"</b>  <b>32° 33' 11"</b></p> <p>Close Star: <b>SAO-77168</b> (Elnath)            Catalog Objects: <a href="#">M-37</a>/NGC-2099</p> <p>Imaging Window: <b>11:56 – 05:23</b>            Transit: <b>03:29   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>LDN-1622 (Region 01)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula &amp; Nebula</b>            Peak:            Constellation: <b>Orion</b></p> <p>Coordinates:            Pane 1: <b>05hr 50' 40", 01° 46' 30"</b>            Pane 2, <b>05hr 50' 40", 00° 14' 57"</b></p> <p>Close Star: SAO-132346 (Alnilam)            Catalog Objects: <a href="#">LDN-1622</a>            Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b>  <b>Composite!</b></p> 


# Prospective Imaging Objects – November 01, 2024

<p><b>LDN-1622 (Region 01)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula &amp; Nebula</b>            Peak:            Constellation: <b>Orion</b></p> <p>Coordinates:  <b>05hr 51' 00"</b>  <b>00° 59' 47"</b></p> <p>Close Star: SAO-132346 (Annilam)            Catalog Objects: <a href="#">LDN-1622</a>            Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;">HyperStar</p> 
<p><b>LDN-1622 (Region 02)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula &amp; Nebula</b>            Peak:            Constellation: <b>Orion</b></p> <p>Coordinates:  <b>05hr 49' 55"</b>  <b>00° 10' 35"</b></p> <p>Close Star: SAO-132346 (Annilam)            Catalog Objects: <a href="#">LDN-1622</a>            Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;">HyperStar</p> 
<p><b>LDN-1622 (Region 03)</b>            Config: C11-HD   HS              ZWO6200MC</p> <p>Type: <b>Bright and Dark Nebula</b>            Peak:            Coordinates:  <b>05hr 54' 51"</b>  <b>01° 47' 10"</b></p> <p>Close Star: SAO-112740(Bellatrix)            Catalog Objects: <a href="#">LDN-1622</a></p> <p>Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p> 

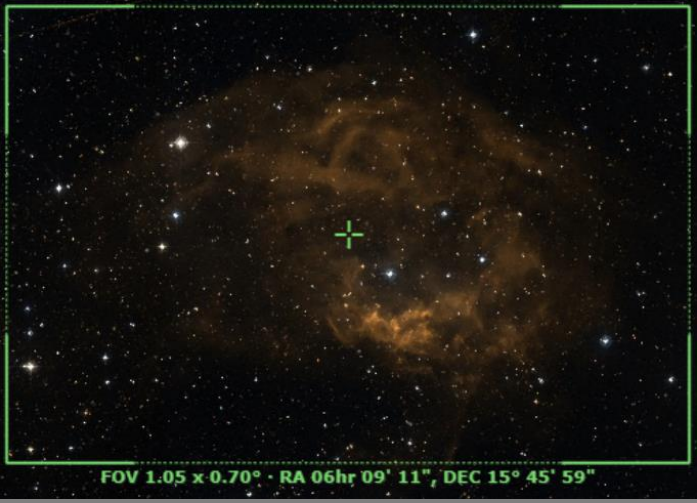
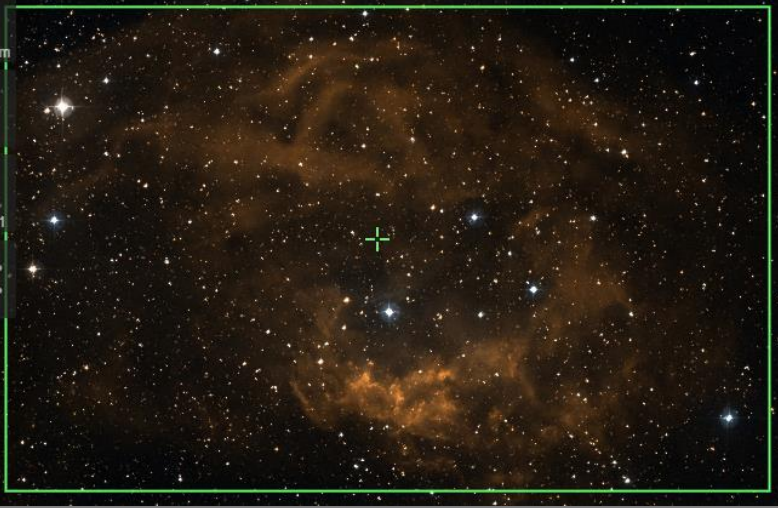

# Prospective Imaging Objects – November 01, 2024

<p><b>LDN 1622</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula</b>            Peak:            Constellation: <b>Orion</b></p> <p><b>Camera Rotation - 90°</b>            Frame 01            RA: <b>05hr 56' 28"</b>DEC: <b>01° 58' 32"</b>            Frame 02            RA: <b>05hr 54' 08"</b>DEC: <b>01° 58' 35"</b></p> <p>Close Star: SAO-132346 (Anilam)            Catalog Objects: <a href="#">LDN-1622</a></p> <p>Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b>  <b>Composite!</b></p> 
<p><b>LDN-1622</b>            Config:  C11HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Bright and Dark Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 54' 52"</b>  <b>01° 49' 51"</b></p> <p>Close Star: SAO-112740(Bellatrix)            Catalog Objects: <a href="#">LDN-1622</a></p> <p>Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>LDN 1622</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>05hr 54' 55"</b>  <b>01° 49' 49"</b></p> <p>Close Star: SAO-132346 (Anilam)            Catalog Objects: <a href="#">LDN-1622</a></p> <p>Imaging Window: <b>01:18 – 05:23</b>            Transit: <b>03:31   59°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – November 01, 2024

<p><b>Angel Nebula (NGC 2170)</b>            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Bright and Dark Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 08' 26"</b>  <b>-06° 25' 24"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">NGC-2170</a></p> <p>Imaging Window: <b>02:19 – 05:23</b>            Transit: <b>03:44</b></p>	<p><b>C-11 HD: Focal Reducer</b></p> <p>FOV 1.04 x 0.70° · RA 06hr 08' 26", DEC -06° 25' 24"</p> 
<p><b>Angel Nebula (NGC 2170)</b>            Config:  C11-HD  ZWO6200MC </p> <p>Type: <b>Bright and Dark Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 08' 26"</b>  <b>-06° 25' 24"</b></p> <p>Close Star: SAO-132542 (Saiph)            Catalog Objects: <a href="#">NGC-2170</a></p> <p>Imaging Window: <b>02:19 – 05:23</b>            Transit: <b>03:44</b></p>	<p><b>C-11 HD: Primary Focus</b></p>  <p><small>Angel Nebula (NGC-2170)            Constellation: Monoceros            SAO number: 132542 · RA = 06hr 08' 26" · Dec = -06° 25' 24" · Orientation: Edge E of N · Pixel scale = 0.445 arc/pixel [1] · 0.90mm</small></p> <p><small>Janis Vada   EAA Society Member · Events: DSO 16 (1), Charis-2020 16 (2), AZ            Group: C-11 HD · Setup: Regular (2017-18)            Equipment: Svbony 47mmagStar, Class 3000 (DSOs, HR)</small></p>
<p><b>IC-2162 &amp; SH 2-261</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 10' 56"</b>  <b>16° 32' 17"</b>            Angle: <b>90° East</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">IC-2162</a> <a href="#">Sh 2-261</a></p> <p>Imaging Window: <b>12:46 – 05:23</b>            Transit: <b>03:45   72°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p>  <p>FOV 3.80 x 2.53° · RA 06hr 10' 56" · DEC 16° 32' 17"</p>


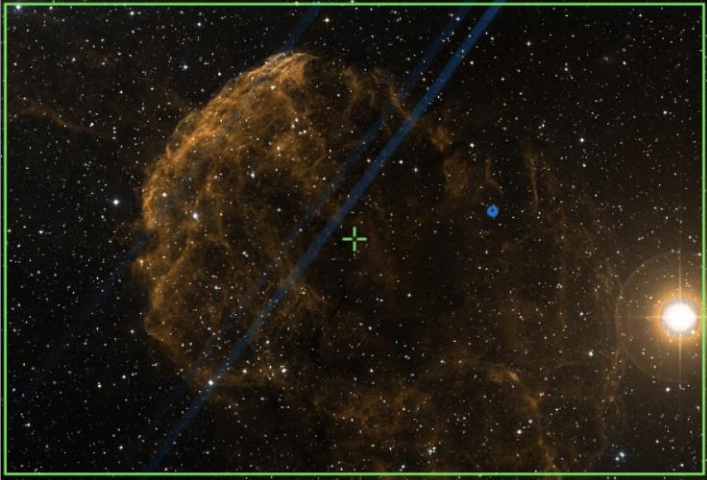

# Prospective Imaging Objects – November 01, 2024

<p><b>Lower's Nebula (Sh 2-261)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 09' 11"</b>  <b>15° 45' 59"</b></p> <p>Close Star: <b>SAO-78297</b> (Calix)            Catalog Objects: <a href="#">Sh 2-261</a></p> <p>Imaging Window: <b>12:46 – 05:53</b>            Transit: <b>03:45   72°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center;">FOV 1.05 x 0.70° · RA 06hr 09' 11\", DEC 15° 45' 59"</p>
<p><b>Lower's Nebula (Sh 2-261)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 08' 59"</b>  <b>15° 46' 39"</b></p> <p>Close Star: <b>SAO-78297</b> (Calix)            Catalog Objects: <a href="#">Sh 2-261</a></p> <p>Imaging Window: <b>12:46 – 05:53</b>            Transit: <b>03:45   72°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-35, NGC-2158</b>            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Open Cluster Pair</b>            Constellation: <b>Gemini</b>            Coordinates:  <b>06hr 08' 39"</b>  <b>24° 14' 48"</b></p> <p>Close Star: <b>SAO-95912</b> (Alhena)            Catalog Objects: <a href="#">M-35</a>/NGC-2168,            NGC-2158</p> <p>Imaging Window: <b>12:27 – 05:23</b>            Transit: <b>03:46   81°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Monkey Head (NGC-2174)</b>            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 09' 50"</b>  <b>20° 29' 50"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">NGC-2174</a>/Sh 2-252</p> <p>Imaging Window: <b>12:35 – 05:23</b>            Transit: <b>03:46   77°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> <p style="text-align: center;">FOV 1.04 x 0.69° · RA 06hr 09' 55", DEC 20° 33' 45"</p>
<p><b>Monkey Head (NGC 2174)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 09' 50"</b>  <b>20° 29' 50"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">NGC-2174</a>/Sh 2-252</p> <p>Imaging Window: <b>12:35 – 05:23</b>            Transit: <b>03:46   77°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> <p style="font-size: small;">Monkey Head Nebula (NGC-2174)            Constellation: Orion            RA = 06h 09m 49.310s, DEC = +20deg 29' 51.185"   Size = 33.1 x 20.0 arcmin   Pixel scale = 0.446 arcsec/pixel   F1 = 2.72mm            James Yoder 2024-10-25 Location: Chandler, AZ            Config:  C-11 HD Astromaster C11ACD C8PT128L  Exposure: 180   27Times Gain: Gain: 3200   109Sec   180</p>
<p><b>IC 2162</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Orion</b>            Coordinates:  <b>06hr 12' 25"</b>  <b>17° 59' 26"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">IC-2162</a></p> <p>Imaging Window: <b>12:44 – 05:23</b>            Transit: <b>03:50   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> <p style="font-size: small;">Bright Nebula IC-2162            Constellation: Orion            RA = 06h 12m 25.000s, DEC = +17deg 59' 18.231"   Size = 42.3 x 23.87 arcmin   Pixel scale = 0.441 arcsec/pixel            James Yoder 2024-10-25 Location: Chandler, AZ            Config:  C-11 HD Astromaster C11ACD C8PT128L  Exposure: 180   27Times Gain: Gain: 3200   109Sec   180</p>

# Prospective Imaging Objects – November 01, 2024



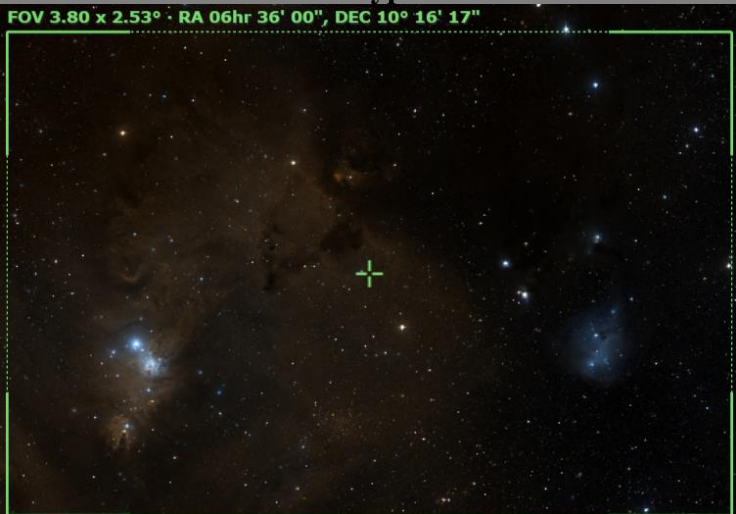
<p><b>Jellyfish Nebula (IC 443)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Supernova Remnant</b>            Peak:            Constellation: <b>Gemini</b>            Coordinates:  <b>06hr 19' 56"</b>  <b>23° 06' 17"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">IC-443</a></p> <p>Imaging Window: <b>12:39 – 05:23</b>            Transit: <b>03:54   79°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Jellyfish Nebula (IC-443)            Constellation: Gemini            JMA - 23h 18m 25.0s DEC = +60deg 31' 18.6" Size = 3.34 x 2.89 deg   Orientation: obj E of N   Pixel scale = 2.28 arcsecond   FL = 540mm            James Taylor   Date: 2023-10-21   Location: Chandler, AZ            Config: C-11HD   HyperStar V4   Astromomik CLS-CDD   QHY128c            Exposure info: 25frames@30s   Gain: 3200   Offset: 100</p>
<p><b>Jellyfish Nebula (IC 443)</b>            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Supernova Remnant</b>            Peak:            Constellation: <b>Gemini</b>            Coordinates:  <b>06hr 16' 59"</b>  <b>22° 37' 29"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">IC-443</a></p> <p>Imaging Window: <b>12:39 – 05:23</b>            Transit: <b>03:54   79°</b></p>	<p style="text-align: center;">C11-HD: <b>Focal Reducer</b></p> 
<p><b>Jellyfish Nebula (IC 443)</b>            Config:  C11 LF ZWO6200MC </p> <p>Type: <b>Supernova Remnant</b>            Peak:            Constellation: <b>Gemini</b>            Coordinates:  <b>06hr 16' 51"</b>  <b>22° 36' 34"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">IC-443</a></p> <p>Imaging Window: <b>12:39 – 05:23</b>            Transit: <b>03:54   79°</b></p>	<p style="text-align: center;"><b>Primary Focus</b></p>  <p style="font-size: small;">Jellyfish nebula (IC 443)            Constellation: Gemini            James Taylor   Location: Chandler, AZ            Config: C11   Starizona L4 Corrector   QHY128C   QHY128c            Exposure info: 100frames@30s   Gain: 3200   Offset: 100</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>IC-2165</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Peak:            Constellation: <b>Canis Major</b>            Coordinates:  <b>06hr 21' 43"</b>  <b>-12° 59' 12"</b></p> <p>Close Star:            Catalog Objects: <a href="#">IC-2165</a></p> <p>Imaging Window: *01:55 – 05:23            Transit: 03:58   44°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>SH 2-249</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Gemini</b>            Coordinates:  <b>06hr 19' 15"</b>  <b>23° 24' 58"</b></p> <p>Close Star: SAO-78297 (Calix)            Catalog Objects: <a href="#">SH 2-249</a></p> <p>Imaging Window: 12:43 – 05:23            Transit: 03:59   80°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Rosette Nebula (NGC 2237)</b>            Config: C11-HD   HS              ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b>            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 31' 53.37"</b>  <b>04° 50' 45.29"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2237</a> ,NGC-2244</p> <p>Imaging Window: 01:41 – 05:23            Transit: 04:07   62°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 



# Prospective Imaging Objects – November 01, 2024

<p><b>Rosette Nebula (NGC 2237)</b>            Config:  C11-            HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 32' 01"</b>  <b>04° 59' 28"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2237</a></p> <p>Imaging Window: <b>01:41 – 05:23</b>            Transit: <b>04:07   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Rosette Nebula (NGC 2237)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 32' 02"</b>  <b>04° 58' 14"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2237</a></p> <p>Imaging Window: <b>01:41 – 05:23</b>            Transit: <b>04:07   62°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>IC-2169</b>            Config: C11   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 36' 00"</b>  <b>10° 16' 17"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">IC-2169</a></p> <p>Imaging Window: <b>01:24 – 05:23</b>            Transit: <b>04:08   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> <p style="text-align: center;">FOV 3.80 x 2.53° : RA 06hr 36' 00", DEC 10° 16' 17"</p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>IC 2169</b>            Config:  C11-            HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 31' 21"</b>  <b>09° 56' 20"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">IC-2169</a></p> <p>Imaging Window: <b>01:24 – 05:23</b>            Transit: <b>04:08   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>IC 2169</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Bright Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 31' 36"</b>  <b>09° 58' 16"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">IC-2169</a></p> <p>Imaging Window: <b>01:24 – 05:23</b>            Transit: <b>04:08   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Hubble's Variable Nebula (NGC 2261)</b>            Config:  C11HD  ZWO6200MC </p> <p>Type: <b>Reflection Nebula</b>            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 39' 12"</b>  <b>08° 45' 00"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2261</a></p> <p>Imaging Window: <b>01:36 – 05:23</b>            Transit: <b>04:16   65°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Christmas Tree &amp; Cone</b>          Config:  C11-          HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Coordinates:          Pane 1: <b>06hr 40' 53", 10° 07' 47"</b>          Pane 2, <b>06hr 40' 53", 09° 34' 40"</b></p> <p>Close Star: SAO-95912 (Alhena)          Catalog Objects: <a href="#">NGC-2264</a>/Sh 2-273</p> <p>Imaging Window: <b>01:34 – 05:23</b>          Transit: <b>04:17   67°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b>  <b>Composite!</b></p> 
<p><b>Christmas Tree &amp; Cone</b>          Config:  C11-          HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>          Peak:          Constellation: <b>Monoceros</b></p> <p>Coordinates:  <b>06hr 40' 47"</b>  <b>09° 42' 40"</b>          Angle: <b>90° East</b></p> <p>Close Star: SAO-95912 (Alhena)          Catalog Objects: <a href="#">NGC-2264</a>/Sh 2-273</p> <p>Imaging Window: <b>01:34 – 05:23</b>          Transit: <b>04:17   67°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Christmas Tree Cluster</b> (<a href="#">NGC 2264</a>)          Config:  C1 LF ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>          Peak:          Constellation: <b>Monoceros</b></p> <p>Coordinates:  <b>06hr 40' 58.74"</b>  <b>09° 53' 32.69"</b></p> <p>Close Star: SAO-95912 (Alhena)          Catalog Objects: <a href="#">NGC-2264</a>/Sh 2-273</p> <p>Imaging Window: <b>01:34 – 05:23</b>          Transit: <b>04:17   67°</b></p>	<p style="text-align: center;">Primary Focus</p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>Christmas Tree &amp; Cone</b>            Config:  C6<b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 40' 51.6"</b>  <b>09° 40' 25.2"</b>            Angle: <b>90° East</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2264</a>/Sh 2-273</p> <p>Imaging Window: <b>01:34 – 05:23</b>            Transit: <b>04:17   67°</b></p>	<p><b>C-6 HD: Focal Reducer</b></p>  <p><small>NGC-2264 (Cone &amp; Christmas Tree Nebula)            Constellation: Monoceros            J2000 - RA = 06h 40m 51.6s DEC = +09deg 40' 25.2" Size = 55.0 x 36.7 arcmin Orientation: 270deg E of N Pixel scale = 0.667 arcsec/pixel (FX=1166mm)            Name: Video   Date(s): 2024-10-26-27   Location: Chandler, AZ            Config:  C-6SE  0.63 Focal Reducer   OPT Reddot Triad Ultra   ZWO6200MC              Exposure Info:   133.frm@2min   Gain: 100  </small></p>
<p><b>Cone Nebula-1 (NGC 2264)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>06hr 41' 07"</b>  <b>09° 27' 52"</b></p> <p>Close Star: SAO-95912 (Alhena)            Catalog Objects: <a href="#">NGC-2264</a>/Sh 2-273</p> <p>Imaging Window: <b>01:34 – 05:23</b>            Transit: <b>04:17   67°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-41 (NGC 2287)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Canis Major</b>            Coordinates:  <b>06hr 46' 09"</b>  <b>20° 47' 35"</b></p> <p>Close Star: <b>SAO-151881</b> (Sirius)            Catalog Objects: <a href="#">M-41</a>/NGC 2287</p> <p>Imaging Window: <b>*01:52 – 05:23</b>            Transit: <b>04:23   36°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – November 01, 2024

<p><b>M-50</b> (NGC 2323)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b>            Constellation: <b>Monoceros</b>            Coordinates:  <b>07hr 02' 48"</b>  <b>-08° 22' 33"</b></p> <p>Close Star: <b>SAO-151881</b> (Sirius)            Catalog Objects: <a href="#">M-50</a>/NGC 2323</p> <p>Imaging Window: *02:10 – 05:23            Transit: 04:39   48°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Seagull Nebula</b> (IC-2177)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>07hr 06' 20"</b>  <b>-11° 06' 56"</b></p> <p>Close Star: SAO-151881 (Sirius)            Catalog Objects: <a href="#">IC-2177</a></p> <p>Imaging Window: *02:25 – 05:23            Transit: 04:41   46°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4 - 90° Rotation</b></p>  <p style="font-size: small;">Seagull Nebula (IC-2177, NGC-2327, NGC-2335, NGC-2343)            Constellation: Monoceros            RA = 07h 06m 17.6s DEC = -11deg 02' 21.2" Size = 210 x 140 pixels Orientation = 89deg E of N Pixel scale = 2.27x arcsecond (1.541mas)            James Webb   Photo 2021-01-06, 10, 11, 15, 17   Location: Chandler, AZ            Config: C-11HD   HyperStar V4   Operating LoXrime   QHY126c              Exposure: 160   107Frames/Stack   Gain: 5200   149Sec   180</p>
<p><b>Seagull Nebula</b> (IC 2177)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>07hr 04' 47"</b>  <b>-10° 27' 49"</b></p> <p>Close Star: SAO-151881 (Sirius)            Catalog Objects: <a href="#">IC-2177</a></p> <p>Imaging Window: *02:25 – 05:23            Transit: 04:41   46°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 


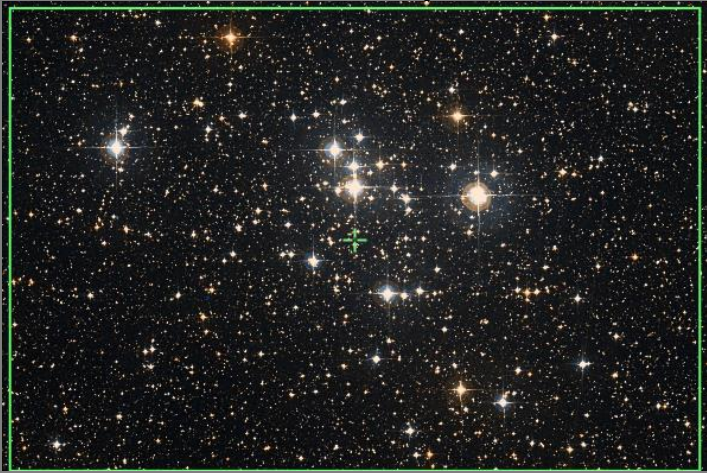

# Prospective Imaging Objects – November 01, 2024

<p><b>Hourglass Nebula (NGC-2346)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Peak:            Constellation: <b>Monoceros</b>            Coordinates:  <b>07hr 09' 23"</b>  <b>00° 48' 22"</b></p> <p>Close Star: SAO-115756 (Procyon)            Catalog Objects: <a href="#">NGC-2346</a></p> <p>Imaging Window: *<b>01:44 – 05:23</b>            Transit: <b>04:46   56°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus x2</b></p>  <p style="font-size: small; text-align: center;">Planetary Nebula NGC-2346  <small>Constellation: Monoceros            RA: 07h 09m 23s DEC: 00° 48' 22" Size: 25.7 x 17.1 pixels (Shuttle-18kg E of S) (Pixel Size: 0.278 arcsec/pixel) (T: 2000px)</small></p>
<p><b>Integral Sign Galaxy (UGC 3697)</b>            Config:  C11HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Galaxy Group</b>            Constellation: <b>Camelopardalis</b>            Coordinates:  <b>07hr 11' 40"</b>  <b>71° 56' 04"</b></p> <p>Close Star: <b>SAO-40186</b> (Capella)            Catalog Objects: <a href="#">UGC-3697</a>, UGC-3714, UGC-3701</p> <p>Imaging Window: <b>01:54 – 05:23</b>            Transit: <b>04:48   52°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b></b></p> 
<p><b>Integral Sign Galaxy (UGC 3697)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b>            Constellation: <b>Camelopardalis</b>            Coordinates:  <b>07hr 11' 50"</b>  <b>71° 48' 14"</b></p> <p>Close Star: <b>SAO-40186</b> (Capella)            Catalog Objects: <a href="#">UGC-3697</a>, UGC-3714, UGC-3701</p> <p>Imaging Window: <b>01:54 – 05:23</b>            Transit: <b>04:48   52°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – November 01, 2024


<p><b>Thor's Helmet (NGC-2359)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b>            Constellation: <b>Canis Major</b>            Coordinates:  <b>07h 18' 26.223"</b>  <b>-13° 15' 29.563"</b></p> <p>Close Star: SAO-151881 (Sirius)            Catalog Objects: <a href="#">NGC-2359</a>/            Sh2-298/ LBN1041</p> <p>Imaging Window: *02:55 – 05:23            Transit: 04:55   43°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Thor's Helmet (NGC 2359)            Constellation: Canis Major</p> <p style="font-size: x-small; text-align: right;">James Yoder   Direct   2023-10-31 1:07            Location: Chandler, AZ            Config: C-11 HD Primary Focus Filter: OVI 126            Exposure Info: (00min)Gain: Gain: 3200   Offset: 100</p>
<p><b>Candy Wrapper (NGC-2371)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b>            Constellation: <b>Gemini</b>            Coordinates:  <b>07° 25' 34"</b>  <b>29° 29' 18"</b></p> <p>Close Star: SAO-151881 (Sirius)            Catalog Objects: <a href="#">NGC-2371</a></p> <p>Imaging Window: 01:34 – 05:23            Transit: 05:02   86°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus x2</b></p>  <p style="font-size: x-small;">Candy Wrapper (NGC 2371)            Constellation: Gemini</p> <p style="font-size: x-small; text-align: right;">James Yoder   Direct   2023-10-31 1:07            Location: Chandler, AZ            Config: C-11 HD Primary Focus Filter: OVI 126            Exposure Info: (00min)Gain: Gain: 3200   Offset: 100</p>
<p><b>Medusa Nebula (Abell 21)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Gemini</b>            Coordinates:  <b>07h 29' 00"</b>  <b>13° 15' 00"</b></p> <p>Close Star: SAO-115756 (Procyon)            Catalog Objects: <a href="#">Abell 21</a></p> <p>Imaging Window: 02:12 – 05:23            Transit: 05:06   70°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small;">Abell-21 (Medusa Nebula)            Constellation: Gemini            RA = 7h 29m 54.9s   Dec = 13deg 15' 20.8"   Size = 38.7 x 26.1 arcmin   Orientation: 0.8deg E of N   Pixel scale = 0.579 arcsec/pixel   FL=1720mm</p> <p style="font-size: x-small; text-align: right;">James Yoder   Direct   2023-10-25 20:27:38 2023-10-02 02:03   Location: Chandler, AZ            Config: C-11 HD Primary Focus Filter: OVI 126            Exposure Info: 2400min@Gain   Gain: 3200   Offset: 100</p>

# Prospective Imaging Objects – November 01, 2024

<p><b>Eskimo Nebula (NGC-2392)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Gemini</b>            Coordinates:  <b>07h 29' 11"</b>  <b>20° 54' 45"</b></p> <p>Close Star: <b>SAO-79666</b> (Pollux)            Catalog Objects: <a href="#">NGC-2392</a></p> <p>Imaging Window: <b>01:54 – 05:23</b>            Transit: <b>05:06   70°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC-2392 (Eskimo Nebula) James Yoder   Date(s) 2020.12.09   Location: Chandler, AZ   Constellation: Gemini   Config:  C-11 HD (OPT) Triad Ultra   ZWO6200MC   Exposure Info: 144 frames/Stack   Gain: 100   Offset: 50   RA = 07h 29m 11.5s   DEC = +20deg 54' 33.6"   Size = 18.5 x 13.9 arcmin   Orientation: 0.5deg E of N   Pixel scale = 0.278 arcsec/pixel   F1=2000mm  </p>
<p><b>M-47 (NGC-2422)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Puppis</b>            Coordinates:  <b>07h 36' 36"</b>  <b>-14° 32' 19"</b></p> <p>Close Star: <b>SAO-79666</b> (Pollux)            Catalog Objects: <a href="#">M-47</a>/NGC-2422</p> <p>Imaging Window: <b>*03:18 – 05:23</b>            Transit: <b>05:13   42°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-2403</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Barred Spiral Galaxy</b></p> <p>Constellation: <b>Camelopardalis</b>            Coordinates:  <b>07h 36' 51"</b>  <b>65° 36' 06"</b></p> <p>Close Star: <b>SAO-79666</b> (Pollux)            Catalog Objects: <a href="#">NGC-2403</a></p> <p>Imaging Window: <b>01:45 – 05:23</b>            Transit: <b>05:13   58°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Galaxy NGC-2403 (Calwell 7) James Yoder   Date(s) 2020.12.09   Location: Chandler, AZ   Constellation: Camelopardalis   Config:  C-11 HD (OPT) Triad Ultra   ZWO6200MC   Exposure Info: 144 frames/Stack   Gain: 100   Offset: 50   RA = 07h 36m 51.5s   DEC = +65deg 36' 06"   Size = 18.5 x 13.9 arcmin   Orientation: 0.5deg E of N   Pixel scale = 0.278 arcsec/pixel   F1=2000mm  </p>



# Prospective Imaging Objects – November 01, 2024

<p><b>Intergalactic Wanderer (NGC-2419)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Lynx</b>            Coordinates:  <b>07h 38' 09"</b>  <b>38° 52' 57"</b></p> <p>Close Star: <b>SAO-79666</b> (Pollux)            Catalog Objects: <a href="#">NGC-2419</a></p> <p>Imaging Window: <b>01:35 – 05:23</b>            Transit: <b>05:15   84°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Intergalactic Wanderer (NGC-2419)  <small>© 2024 Starizona LLC. All rights reserved. This image is for personal use only. No part of this image may be reproduced without the written permission of Starizona LLC.</small></p>
<p><b>M-46 (NGC-2437)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster with PN</b></p> <p>Constellation: <b>Puppis</b>            Coordinates:  <b>07h 41' 45"</b>  <b>-14° 46' 43"</b></p> <p>Close Star: <b>SAO-151881</b> (Sirius)            Catalog Objects: <a href="#">M-46</a>/NGC-2437,            NGC-2438</p> <p>Imaging Window: <b>*03:39 – 05:23</b>            Transit: <b>05:18   42°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC-2438  <small>© 2024 Starizona LLC. All rights reserved. This image is for personal use only. No part of this image may be reproduced without the written permission of Starizona LLC.</small></p>
<p><b>Bow-Tie Nebula (NGC-2440)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Puppis</b>            Coordinates:  <b>07° 41' 55"</b>  <b>-18° 12' 29"</b></p> <p>Close Star: <b>SAO-151881</b> (Sirius)            Catalog Objects: <a href="#">NGC-2440</a></p> <p>Imaging Window: <b>*02:36 – 05:23</b>            Transit: <b>05:18   38°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus x2</b></p>  <p style="font-size: small; text-align: center;">FOV 0.73 x 0.49° • RA 07hr 41' 55", DEC -18° 12' 29"</p>

# Prospective Imaging Objects – November 01, 2024

**Butterfly Cluster** (M-93, NGC-2447)

Config: |C11HD|ZWO6200MC|

Type: **Open Cluster**

Constellation: **Puppis**

Coordinates:  
**07h 44' 46"**  
**-23° 51' 52"**

Close Star: **SAO-151881** (Sirius)

Catalog Objects: [M-93](#)/NGC-2447

Imaging Window: \***03:10 – 05:23**

Transit: **05:21** | **33°**

**C-11 HD: Primary Focus**



Blank  
Page

# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### HyperStar: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Nebula	Nebula	IC-1396	06:59 – 11:07	07:17	03	Cepheus: Elephant Trunk
HyperStar	Nebula	DN, BN	B-168	06:59 – 11:24	07:31	06	Cygnus: Dark Cocoon
HyperStar	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: SH2-132
HyperStar	Nebula	Nebula	SH2-155	06:59 – 12:18	08:35	11	Cepheus: Cave Nebula
HyperStar	Nebula	Nebula	SH2-157	06:59 – 12:41	08:54	12	Cassiopeia: Lobster Claw and Bubble Nebula
HyperStar	Nebula	Nebula	LBN 534	06:59 – 01:01	09:07	14	Andromeda: Blue Match Nebula
HyperStar	Nebula	Nebula	NGC-7822	06:59 – 01:07	09:39	15	Comp2! Cepheus: NGC-7822 region
HyperStar	Nebula	Nebula	NGC-7822	06:59 – 01:07	09:39	15	Cepheus CED-214
HyperStar	Nebula	Nebula	SH2-185	06:59 – 02:24	10:38	22	Cassiopeia: Gamma Cassiopeiae Nebula
HyperStar	Nebula	Neb, OC	NGC-457	07:13 – 02:47	10:57	24	Cassiopeia: Open Cluster and Nebula
HyperStar	Nebula	Nebula	IC-1848	08:25 – 03:47	12:03	29	Comp4! Cassiopeia: Heart & Soul Nebula
HyperStar	Nebula	Nebula	IC-1805	08:31 – 03:56	12:10	30	Cassiopeia: Heart Nebula
HyperStar	Nebula	Nebula	IC-1848	08:48 – 04:16	12:29	32	Cassiopeia: Soul Nebula
HyperStar	Nebula	Nebula	NGC-1499	10:02 – 05:23	01:40	35	Perseus: California Nebula
HyperStar	Nebula	Nebula	IC-405	11:19 – 05:23	02:54	39	Auriga: Flaming Star Nebula
HyperStar	Nebula	Nebula	Orion Cmpx	12:29 – 05:23	03:12	43	Comp6! Orion: Orion Complex of objects
HyperStar	Nebula	Nebula	M-42	12:29 – 05:23	03:12	44	Orion: Orion and Running Man Nebula
HyperStar	Nebula	Nebula	M-42	12:29 – 05:23	03:12	44	Orion: Orion and Running Man Nebula
HyperStar	Nebula	Nebula	SH 2-240	11:52 – 05:23	03:18	46	Comp2! Taurus: Simeis 147
HyperStar	Nebula	Nebula	SH 2-240	11:52 – 05:23	03:18	46	Taurus: Simeis 147
HyperStar	Nebula	Nebula	NGC-2024, B-33	01:23 – 05:23	03:18	47	Orion: Horsehead and Flame Nebula
HyperStar	Nebula	Nebula	IC-2162, SH2-261	12:46 – 05:23	03:45	53	Orion: Two Nebulas
HyperStar	Nebula	Nebula	IC-443	12:39 – 05:23	03:54	56	Gemini: Jellyfish Nebula
HyperStar	Nebula	Nebula	NGC-2237	01:41 – 05:23	04:07	57	Monoceros: Rosett Nebula

# Prospective Imaging Objects – November 01, 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Nebula	Nebula	IC-2169	01:24 – 05:23	04:08	58	Monoceros: DN & Nebulas
HyperStar	Nebula	Nebula	IC-2177	*02:25-05:23	04:41	62	Rot90° Monoceros: Seagull Nebula

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### HyperStar: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Broad Spectrum	DN	B-168	06:59 – 11:24	07:31	07	Cepheus: Wolf Cave
HyperStar	Broad Spectrum	Galaxies	NGC-147	06:59 – 02:04	10:11	17	Cassiopeia: Galaxy Pair
HyperStar	Broad Spectrum	Galaxy	M-31	06:59 – 02:09	10:20	19	Andromeda: Andromeda Galaxy
HyperStar	Broad Spectrum	Gal, GC	NGC-288	*08:26-12:29	10:25	21	Sculptor: NGC-288 & NGC-253
HyperStar	Broad Spectrum	Galaxy	M-33	07:41 – 02:48	11:11	25	Triangulum: Triangulum Galaxy
HyperStar	Broad Spectrum	OC	NGC-869	08:11 – 03:48	11:56	28	Perseus: Hand chi Persei
HyperStar	Broad Spectrum	OC, BN	M-45	10:04 – 04:49	01:23	34	Taurus: Pleiades
HyperStar	Broad Spectrum	OC	Mel-25	11:03 – 05:17	02:07	37	Taurus: Hyades
HyperStar	Broad Spectrum	DN	IC-2118	*12:11-05:17	02:39	37	Eridanus: Witch Head Nebula
HyperStar	Broad Spectrum	DN	NGC-1788	12:27 – 04:38	02:44	38	Orion: Foxface Nebula
HyperStar	Broad Spectrum	DN, N	LDN-1622 R1	08:18 – 05:23	03:31	50	Comp2! Orion: DN Band
HyperStar	Broad Spectrum	DN, N	LDN-1622 R2	08:18 – 05:23	03:31	51	Orion: DN Band
HyperStar	Broad Spectrum	DN, N	LDN-1622 R3	08:18 – 05:23	03:31	51	Orion: DN Band

# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Focal Reducer: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Nebula	Nebula	IC-1396-1	06:59 – 11:07	07:17	03	Cepheus: Elephant Trunk ROI
Focal Reducer	Nebula	Nebula	IC-1396-2	06:59 – 11:07	07:17	04	Cepheus: Elephant Trunk ROI
Focal Reducer	Nebula	Nebula	IC-5146	06:59 – 11:24	07:32	06	Cygnus: Cocoon Nebula
Focal Reducer	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: Bright Nebula
Focal Reducer	Nebula	Nebula	SH2-142	05:59 – 12:15	08:25	10	Cepheus: Wizard Nebula
Focal Reducer	Nebula	Nebula	SH2-155	06:59 – 12:18	08:35	11	Cepheus: Cave Nebula
Focal Reducer	Nebula	Nebula	SH2-157	06:59 – 12:41	08:54	12	Cassiopeia: Lobster Claw
Focal Reducer	Nebula	Nebula	NGC-7822	06:59 – 01:07	09:39	16	Cepheus: NGC 7822 (CED-214)
Focal Reducer	Nebula	Neb, Gx	NGC-246	*07:12-01:40	10:25	20	Cetus: Planetary and two Galaxies
Focal Reducer	Nebula	Nebula	NGC-281	06:59-02:21	10:30	22	Cassiopeia: Pack Man Nebula
Focal Reducer	Nebula	Nebula	IC-1795	08:25 – 03:47	12:03	29	Cassiopeia: Fish Head Nebula
Focal Reducer	Nebula	Nebula	IC-1805	08:31 – 03:56	12:10	30	Cassiopeia: Heart Nebula
Focal Reducer	Nebula	Nebula	IC-405	11:19 – 05:23	02:54	39	Auriga: Flaming Star Nebula
Focal Reducer	Nebula	Nebula	IC-410	11:25 – 05:23	02:59	40	Auriga: Tadpoles
Focal Reducer	Nebula	Nebula	M-77, NGC1055	11:30 – 05:23	03:05	41	<b>Comp2!</b> Auriga: The Spider and the Fly
Focal Reducer	Nebula	Nebula	NGC-2024	01:23 – 05:23	03:18	47	Orion: Flame Nebula
Focal Reducer	Nebula	Nebula	NGC-2170	02:19 – 05:23	03:44	53	Monoceros: Angel Nebula
Focal Reducer	Nebula	Nebula	SH 2-261	12:46 – 05:53	03:45	54	Orion: Lower's Nebula
Focal Reducer	Nebula	Nebula	NGC-2174	12:35 – 05:23	03:46	55	Orion: Monkey Head Nebula
Focal Reducer	Nebula	Nebula	IC-443	12:39 – 05:23	03:54	56	Gemini: Jellyfish Nebula
Focal Reducer	Nebula	Nebula	NGC-2237	01:41 – 05:23	04:07	58	Monoceros: Rosett Nebula Core
Focal Reducer	Nebula	Nebula	NGC-2264	01:34 – 05:23	04:17	60	<b>Comp2!</b> Monoceros: Xmas Tree and Cone Nebula
Focal Reducer	Nebula	Nebula	NGC-2264	01:34 – 05:23	04:17	60	<b>Rot!</b> Monoceros: Xmas Tree and Cone Nebula
Focal Reducer	Nebula	Nebula	NGC-2264	01:34 – 05:23	04:17	60	Monoceros: Xmas Tree and Cone Nebula

# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Focal Reducer: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Broad Spectrum	OC	M-39	06:59 – 11:02	07:10	02	Cygnus: Open Cluster NGC-7092
Focal Reducer	Broad Spectrum	DN	LDN-1235	06:59 – 10:38	07:53	07	Cepheus: Dark Shark
Focal Reducer	Broad Spectrum	DN	B-168	06:59 – 11:24	07:31	07	Rot90 Cepheus: Wolf's Cave
Focal Reducer	Broad Spectrum	Galaxies	NGC7317	06:59 – 11:55	08:14	09	Rot 115 Pegasus: Stephan's Quintent & NGC-7331
Focal Reducer	Broad Spectrum	Galaxies	NGC-7619	06:59 – 11:42	08:58	13	Pegasus: Pegasus Cluster
Focal Reducer	Broad Spectrum	Galaxies	NGC-147	06:59 – 02:02	10:11	17	Copmp2! Cassiopeia: Galaxy Pair NGC-147 & 185
Focal Reducer	Broad Spectrum	OC	NGC-188	*06:59-03:14	10:25	22	Cepheus: Open Cluster NGC-188
Focal Reducer	Broad Spectrum	Galaxy	M-33	07:41 – 02:48	11:11	26	Rot90 Triangulum: Triangulum Galaxy
Focal Reducer	Broad Spectrum	Galaxies	M-77	10:15 – 02:32	12:20	31	Cetus: Galaxies M-77 & NGC-1055
Focal Reducer	Broad Spectrum	DN, BN	NGC-1788	12:57 – 04:38	02:44	38	Orion: Foxface Nebula
Focal Reducer	Broad Spectrum	DN, BN	M-78	01:18 – 05:23	03:23	49	Comp2! Orion: Dark Nebula
Focal Reducer	Broad Spectrum	DN, BN	M-78	01:18 – 05:23	03:23	49	Orion: Dark Nebula
Focal Reducer	Broad Spectrum	DN	LDN-1622	01:18 – 05:23	03:31	52	Comp2! Rot90° Orion: Dark Nebula
Focal Reducer	Broad Spectrum	DN	LDN-1622	01:18 – 05:23	03:31	52	Orion: Dark Nebula
Focal Reducer	Broad Spectrum	OC	M-35, NGC-2158	12:27 – 05:23	03:46	54	Gemini: Open Cluster Pair
Focal Reducer	Broad Spectrum	BN	IC-2169	01:24 – 05:23	04:08	59	Monoceros: Reflection Nebula
Focal Reducer	Broad Spectrum	Galaxies	UGC-3697	01:54 – 05:23	04:48	63	Camelopardalis: Integral Sign Galaxy

# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Primary Focus: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	PN	NGC-7094	06:59 – 10:13	07:15	03	Pegasus: Med PN
Primary Focus	Nebula	DN	IC-1396-1	06:59 – 11:07	07:17	04	Cepheus: Elephant Trunk ROI
Primary Focus	Nebula	BN	IC-1396-2	06:59 – 11:07	07:17	04	Cepheus: Elephant Trunk RIO
Primary Focus	Nebula	BN	IC-1396-3	06:59 – 11:07	07:17	05	Cepheus: Elephant Trunk RIO
Primary Focus	Nebula	PN	NGC-7139	06:59 – 11:04	07:24	05	Cepheus: Med/Lrg Planetary
Primary Focus	Nebula	BN	IC-5146	06:59 – 11:24	07:32	06	Cygnus: Cocoon Nebula
Primary Focus	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: Bright Nebula
Primary Focus	Nebula	PN	NGC-7293	*06:59-10:37	08:08	09	Aquarius: Helix Nebula
Primary Focus	Nebula	Nebula	SH2-142	05:59 – 12:15	08:25	10	Cepheus: Wizard Nebula
Primary Focus	Nebula	Nebula	SH2-155	06:59 – 12:18	08:35	11	Cepheus: Cave Nebula
Primary Focus	Nebula	Nebula	NGC-7635	06:59 – 12:44	08:59	13	Cepheus: Bubble Nebula
Primary Focus	Nebula	Nebula	NGC-7662	06:59 – 12:54	09:04	14	Andromeda: Blue Snowball
Primary Focus	Nebula	Nebula	NGC-7822	06:59 – 01:07	09:39	16	Cepheus: Emission Nebula Ced 214
Primary Focus	Nebula	PN	NGC-40	06:59 – 12:46	09:51	16	Cepheus: Bow-Tie Nebula
Primary Focus	Nebula	PN	NGC-246	*07:12-01:40	10:25	20	Cetus: Skull Nebula
Primary Focus	Nebula	Nebula	SH2-185	06:59 – 02:24	10:38	23	Cassiopeia: Gamma Cassiopeiae Nebula
Primary Focus	Nebula	Nebula	SH2-188	07:24 – 02:58	11:08	25	Cassiopeia: Firefox Nebula
Primary Focus	Nebula	PN	M-76	07:32 – 03:13	11:20	27	Perseus: Little Dumbbell Nebula
Primary Focus	Nebula	Nebula	IC-1805	08:31 – 03:56	12:10	30	Cassiopeia: Heart Nebula Core
Primary Focus	Nebula	Nebula	IC-1848	08:48 – 04:16	12:29	32	Cassiopeia: Soul Nebula Core
Primary Focus	Nebula	Nebula	NGC-1333	09:35 – 04:44	01:06	33	Perseus: Bright Nebula
Primary Focus	Nebula	Nebula	NGC-1360	*11:22-03:06	01:10	33	Fornax: Egg shaped Nebula
Primary Focus	Nebula	Nebula	IC-348	09:49 – 05:01	01:22	34	Perseus: Bright Nebula
Primary Focus	Nebula	Nebula	M-45	10:04 – 04:49	01:23	35	Taurus: Pleiades



# Prospective Imaging Objects – November 01, 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	Nebula	NGC-1501	10:04 – 05:23	01:44	35	Camelopardalis: Oyster Nebula
Primary Focus	Nebula	Nebula	NGC-1514	10:16 – 05:23	01:46	36	Taurus: Crystal Ball Nebula
Primary Focus	Nebula	Nebula	NGC-1535	*11:45-03:59	01:51	36	Eridanus: Cleopatra's Eye
Primary Focus	Nebula	Nebula	NGC-1555	10:50 – 05:15	01:59	36	Taurus: Hind's Variable Nebula
Primary Focus	Nebula	Nebula	NGC-1579	10:30 – 05:23	02:07	37	Perseus: Trifid of the North
Primary Focus	Nebula	Nebula	IC-2118	*12:11-05:17	02:39	38	Eridanus: Witch Head Nebula
Primary Focus	Nebula	Nebula	NGC-1788	12:57 – 04:38	02:44	39	Orion: Foxface Nebula
Primary Focus	Nebula	Nebula	IC-405	11:19 – 05:23	02:54	40	Auriga: Flaming Star Nebula
Primary Focus	Nebula	Nebula	IC-410	11:25 – 05:23	02:59	40	Auriga: Tadpoles
Primary Focus	Nebula	Nebula	IC-418	*12:59-05:10	03:04	41	Lepus: Spirograph Nebula
Primary Focus	Nebula	Nebula	IC-417	11:30 – 05:23	03:05	42	Auriga: The Spider
Primary Focus	Nebula	Nebula	NGC-1931	11:30 – 05:23	03:08	42	Auriga: The Fly
Primary Focus	Nebula	Nebula	M-1	11:57 – 05:23	03:11	43	Taurus: Crab Nebula
Primary Focus	Nebula	Nebula	M-42	12:29 – 05:23	03:12	44	Orion: The Orion Nebula
Primary Focus	Nebula	Nebula	NGC-1977	01:35 – 05:23	03:12	45	Orion: Running Man Nebula (C-6)
Primary Focus	Nebula	Nebula	NGC-1977	01:35 – 05:23	03:12	45	Orion: Running Man Nebula
Primary Focus	Nebula	Nebula	NGC-2024	01:23 – 05:23	03:18	47	Orion: Flame Nebula
Primary Focus	Nebula	Nebula	B-33	01:26 – 05:23	03:18	48	Orion: Horsehead Nebula
Primary Focus	Nebula	Nebula	NGC-2022	12:38 – 05:23	03:19	48	Orion: Planetary Nebula
Primary Focus	Nebula	Nebula	NGC-2170	02:19 – 05:23	03:44	53	Monoceros: Angle Nebula
Primary Focus	Nebula	Nebula	SH 2-261	12:46 – 05:53	03:45	54	Orion: Lower's Nebula
Primary Focus	Nebula	Nebula	NGC-2174	12:35 – 05:23	03:46	55	Orion: Monkey Head Nebula
Primary Focus	Nebula	Nebula	IC-2162	12:44 – 05:23	03:50	55	Orion: Nebula
Primary Focus	Nebula	Nebula	IC-443	12:39 – 05:23	03:54	56	Gemini: Jellyfish Nebula
Primary Focus	Nebula	Nebula	IC-2165	*01:55-05:23	03:58	57	Canis Major: Small Planetary Nebula
Primary Focus	Nebula	Nebula	SH 2-249	12:43 – 05:23	03:59	57	Gemini: Nebula
Primary Focus	Nebula	Nebula	NGC-2237	01:41 – 05:23	04:07	58	Monoceros: Rosette Nebula Core
Primary Focus	Nebula	Nebula	NGC-2261	01:36 – 05:23	04:18	59	Monoceros: Hubble's Variable Nebula
Primary Focus	Nebula	Nebula	NGC-2264	01:34 – 05:23	04:17	60	Monoceros: Xmas Tree Cluster

# Prospective Imaging Objects – November 01, 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	Nebula	NGC-2264	01:34 – 05:23	04:17	61	Monoceros: Cone Nebula
Primary Focus	Nebula	Nebula	IC-2177	*02:25-05:23	04:41	62	Monoceros: Seagull Nebula head
Primary Focus	Nebula	Nebula	NGC-2346	*01:44-05:23	04:46	63	Monoceros: Hourglass Nebula
Primary Focus	Nebula	Nebula	NGC-2359	*02:55-05:23	04:55	64	Canis Major: Thor's Helmet
Primary Focus	Nebula	Nebula	NGC-2371	01:34 – 05:23	05:02	64	Gemini: Candy Wrapper Nebula
Primary Focus	Nebula	Nebula	Abell-21	02:12 – 05:23	05:06	64	Gemini: Medusa Nebula
Primary Focus	Nebula	Nebula	NGC-2392	01:54 – 05:23	05:06	65	Gemini: Eskimo Nebula
Primary Focus	Nebula	Nebula	M-46	*03:39-05:23	05:18	66	Puppis: Open Cluster and Planetary
Primary Focus	Nebula	Nebula	NGC-2440	*02:36-05:23	05:18	66	Puppis: Bow-Tie Nebula
Primary Focus	Nebula	Nebula					

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Primary Focus: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	GC	M-15	06:59 – 10:04	07:08	02	Pegasus: Pegasus Cluster
Primary Focus	Broad Spectrum	GC	M-2	06:59 – 09:18	07:12	02	Aquarius: Large Globular
Primary Focus	Broad Spectrum	GC	M-30	*06:59-09:37	07:18	05	Capricornus: Med Globular
Primary Focus	Broad Spectrum	Galaxies	NGC-7317	06:59 – 11:55	08:14	09	Pegasus: Stephan's Quintet
Primary Focus	Broad Spectrum	Galaxies	NGC-7331	06:59 – 11:56	08:15	10	Pegasus: Galaxy Group
Primary Focus	Broad Spectrum	Galaxy	NGC-7479	06:59 – 11:40	08:43	12	Pegasus: Face on Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-7619	06:59 – 11:42	08:58	13	Pegasus: Pegasus Cluster
Primary Focus	Broad Spectrum	OC	M-52	06:59 – 12:47	09:03	14	Cassiopeia: Open Cluster NGC-7654
Primary Focus	Broad Spectrum	OC	NGC-7789	06:59 – 01:26	09:35	15	Cassiopeia: Caroline's Rose
Primary Focus	Broad Spectrum	Galaxies	NGC 67-72	06:59 – 01:31	09:56	17	Andromeda: Andromeda Galaxy Group
Primary Focus	Broad Spectrum	Galaxy	NGC-147	06:59 – 02:02	10:11	18	Cassiopeia: Dwarf Galaxy

# Prospective Imaging Objects – November 01, 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	Galaxy	NGC-185	06:59 – 02:10	10:17	18	Cassiopeia: Dwarf Spheroidal Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-110	06:59 – 02:07	10:18	18	Andromeda: Elliptical Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-32	06:59 – 02:09	10:20	19	Andromeda: Companion to M-31
Primary Focus	Broad Spectrum	Galaxy	NGC-247	*07:57-12:59	10:25	20	Cetus: Needle’s Eye Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-253	*08:26-12:29	10:25	21	Sculptor: Sculptor Galaxy
Primary Focus	Broad Spectrum	Globular	NGC-288	*08:49-12:22	10:30	21	Sculptor: Med Globular Cluster
Primary Focus	Broad Spectrum	Galaxy	IC-1613	08:27 – 01:04	10:42	23	Cetus: Irregular Dwarf Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-404	07:09 – 02:30	10:47	23	Andromeda: Mirachs Ghost
Primary Focus	Broad Spectrum	OC	NGC-457	07:13 – 02:47	10:57	24	Cassiopeia: Owl Cluster
Primary Focus	Broad Spectrum	Galaxies	Arp-133	09:05 – 01:08	11:03	24	Cetus: Minkowski’s Object
Primary Focus	Broad Spectrum	OC	M-103	07:30 – 02:58	11:11	25	Cassiopeia: Open Cluster NGC-581
Primary Focus	Broad Spectrum	Galaxy	M-33	07:41 – 02:48	11:11	26	Triangulum: Triangulum Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-74	08:13 – 02:21	11:14	27	Pisces: Med Face On Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-772	08:28 – 02:51	11:37	27	Aries: Nautilus Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-891	08:12 – 03:50	12:00	28	Andromeda: Edge On Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-925	08:30 – 03:46	12:05	28	Triangulum: Face on Galaxy PGC-9332
Primary Focus	Broad Spectrum	Galaxy	NGC-1055	10:12 – 02:33	12:19	31	Cetus: Edge On galaxy
Primary Focus	Broad Spectrum	OC	M-34	08:35 – 04:10	12:19	31	Perseus: Open Cluster NGC-1039
Primary Focus	Broad Spectrum	Galaxy	M-77	10:15 – 02:32	12:20	32	Cetus: Galaxy NGC-1068
Primary Focus	Broad Spectrum	Galaxies	Abell-426	09:14 – 04:47	12:57	33	Perseus: Perseus Galaxy Cluster
Primary Focus	Broad Spectrum	Galaxy	IC-342	10:05 – 04:50	01:24	34	Camelopardalis: Large Face-On
Primary Focus	Broad Spectrum	Globular	M-79	*01:03-05:10	03:01	41	Lepus: Med Globular
Primary Focus	Broad Spectrum	OC	M-38	11:28 – 05:23	03:05	42	Auriga: Starfish Cluster
Primary Focus	Broad Spectrum	OC	M-36	11:08 – 05:23	03:13	45	Auriga: Open Star Cluster NGC-1960
Primary Focus	Broad Spectrum	Galaxy	NGC-1961	12:07 – 05:23	03:19	48	Camelopardalis: Galaxies
Primary Focus	Broad Spectrum	DN	M-78	01:18 – 05:23	03:23	50	Orion: Dark and Bright Nebula
Primary Focus	Broad Spectrum	OC	M-37	11:56 – 05:23	03:29	50	Auriga: Salt and Pepper Cluster
Primary Focus	Broad Spectrum	DN	LDN-1622	01:18 – 03:31	03:31	52	Orion: Dark Nebula

## Prospective Imaging Objects – November 01, 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	RN	IC-2169	01:24 – 05:23	04:08	59	Monoceros: Reflection Nebula
Primary Focus	Broad Spectrum	OC	M-41	*01:52-05:23	04:23	61	Canis Major: Open Star Cluster NGC-2287
Primary Focus	Broad Spectrum	OC	M-50	*02:10–05:23	04:39	62	Monoceros: Open Star Cluster NGC-2323
Primary Focus	Broad Spectrum	Galaxy	UGC-3697	01:54 – 05:23	04:48	63	Camelopardalis: Galaxy Cluster
Primary Focus	Broad Spectrum	OC	M-47	*03:18-05:23	05:13	65	Puppis: Open Cluster NGC-2422
Primary Focus	Broad Spectrum	Galaxy	NGC-2403	01:45 – 05:23	05:13	65	Camelopardalis: Med Barred Spiral Galaxy
Primary Focus	Broad Spectrum	GC	NGC-2419	01:35 – 05:23	05:15	66	Lynx: Intergalactic Wanderer
Primary Focus	Broad Spectrum	OC	M-93	*03:10-05:23	05:21	67	Puppis: Butterfly Cluster

# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Primary Prospects

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	HyperStar	Nebula	BN & DN	B-168	06:59 – 11:24	07:31	06	Cygnus: Dark Cocoon
	HyperStar	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: Bright Nebula
	HyperStar	Nebula	Nebula	SH2-155	06:59 – 12:18	08:35	11	Andromeda: Blue Match Nebula
	HyperStar	Broadband	Galaxies	NGC-147 & NGC-185	06:59 – 02:02	10:11	17	Cassiopeia: Galaxy Pair
	HyperStar	Broadband	Galaxy	M-33	07:41 – 02:48	11:11	25	Triangulum: Triangulum Galaxy
	HyperStar	Broadband	OC	NGC-869, 884	08:11 – 03:48	11:56	28	Perseus: Hand Chi Persei
	HyperStar	Nebula	Nebula	IC-1848	08:48 – 04:16	12:29	29	<b>Comp4!</b> Cassiopeia: Heart and Soul Nebula
	HyperStar	Broadband	OC	Mel-25	11:03 – 05:17	02:07	37	Taurus: Hayades Cluster
	HyperStar	Nebula	BN, DN	NGC-1788	12:57 – 04:38	02:44	38	Orion: Foxface Nebula
	HyperStar	Nebula	Nebula	Orion Complex	12:29 – 05:23	03:12	43	<b>Comp6!</b> Orion: Orion Complex
	HyperStar	Nebula	Nebula	M-42	12:29 – 05:23	03:12	44	Orion: Orion & Running Man
	HyperStar	Nebula	Nebula	SH 2-240	11:52 – 05:23	03:18	46	<b>Comp2 Rot90</b> Taurus: Nebula
	HyperStar	Nebula	Nebula	LDN-1622	01:18 – 05:23	03:31	50	<b>Comp2!</b> Orion: Nebula
	HyperStar	Nebula	Nebula	LDN-1622 R1	01:18 – 05:23	03:31	51	Orion: Region of Interest
	HyperStar	Nebula	Nebula	LDN-1622 R3	01:18 – 05:23	03:31	51	Orion: Region of Interest
	HyperStar	Nebula	Nebula	IC-2162	12:46 – 05:23	03:45	53	<b>Rot!</b> Orion: Nebula
	HyperStar	Nebula	Nebula	IC-2169	01:24 – 05:23	04:08	58	Monoceros: BN, DN
	HyperStar	Nebula						
	Focal Reducer	Broadband	OC	M-39	06:59 – 11:02	07:10	02	Cygnus: Open Cluster NGC-7092
	Focal Reducer	Nebula	Nebula	IC-1396	06:59 – 11:07	07:17	03	Cepheus: Elephant Trunk RIO1
	Focal Reducer	Nebula	Nebula	IC-1396	06:59 – 11:07	07:17	04	Cepheus: Elephant Trunk RIO2
	Focal Reducer	Nebula	BN & DN	IC-5146	06:59 – 11:24	07:31	06	Cygnus: Cocoon Nebula
	Focal Reducer	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: Bright Nebula

# Prospective Imaging Objects – November 01, 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Focal Reducer	Broadband	Galaxies	NGC7331 et. El.	06:59 – 11:55	08:14	09	<b>Rot!</b> Peg: Stephan's Quintet & NGC7331
	Focal Reducer	Nebula	Nebula	SH2-142	06:59 – 12:15	08:25	10	Cepheus: Wizard Nebula
	Focal Reducer	Broadband	Galaxies	NGC-7619	06:59 – 11:42	08:58	13	Pegasus: Pegasus Cluster
	Focal Reducer	Nebula	Nebula	NGC-7822	06:59 – 01:07	09:39	16	Cepheus: CED-214
	Focal Reducer	Broadband	OC	NGC-188	*06:59-03:18	10:25	22	Cepheus: Open Cluster
	Focal Reducer	Nebula	BN, DN	NGC-1788	12:57 – 04:38	02:44	38	Orion: Foxface Nebula
	Focal Reducer	Nebula	Nebula	NGC-2024	01:23 – 05:23	03:18	47	Orion: Flame Nebula
	Focal Reducer	Broadband	BN, DN	M-78	01:18 – 05:23	03:23	49	<b>Comp2!</b> Orion: Dark& Bright Nebula
	Focal Reducer	Broadband	BN, DN	M-78	01:18 – 05:23	03:23	49	Orion: Dark & Bright Nebula
	Focal Reducer	Broadband	DN	LDN-1622	01:18 -05:23	03:31	52	<b>Comp2!</b> Orion: Dark & Bright Nebula
	Focal Reducer	Broadband	DN	LDN-1622	01:18 -05:23	03:31	52	Orion: Dark & Bright Nebula
	Focal Reducer	Nebula	Nebula	SH 2-261	12:46 – 05:53	03:45	54	Orion: Lower's Nebula
	Focal Reducer	Broadband	OC	M-35	12:27 – 05:23	03:46	54	Gemini: Open Cluster Pair
	Focal Reducer	Nebula	Nebula	NGC-2174	12:35 – 05:23	03:46	55	Orion: Monkey Head
	Focal Reducer	Nebula	Nebula	IC-443	12:39 – 05:23	03:54	56	Gemini: Jellyfish Nebula
	Focal Reducer	Nebula	Nebula	NGC-2237	01:41 – 05:23	04:07	58	Monoceros: Rosette ROI
	Focal Reducer	Nebula	Nebula	IC-2169	01:24 – 05:23	04:08	59	Monoceros: Brigh Nebula
	Focal Reducer	Nebula	Nebula	NGC-2265	01:34 – 05:23	04:17	60	<b>Comp2!</b> Monoceros: Xmas Tree & Cone
	Focal Reducer	Nebula	Nebula	NGC-2265	01:34 – 05:23	04:17	60	<b>Rot!</b> Monoceros: Xmas Tree & Cone
	Primary Focus	Broadband	Globular	M-2	06:59 – 09:18	07:12	02	Aquarius: Large GC NGC-7089
	Primary Focus	Nebula	PN	NGC-7094	06:59 – 10:13	07:15	03	Pegasus: sm/med PN
	Primary Focus	Nebula	DN	IC-1396	06:59 – 11:07	07:17	04	Cepheus: Dark Nebula
	Primary Focus	Nebula	Nebula	IC-1396	06:59 – 11:07	07:17	04	Cepheus: Elephant Trunk RIO 1
	Primary Focus	Nebula	Nebula	IC-1396	06:59 – 11:07	07:17	05	Cepheus: Elephant Trunk RIO 2
	Primary Focus	Broadband	Globular	M-30	*06:59-09:37	07:18	05	Capricornus: Med Globular NGC-7099
	Primary Focus	Nebula	Nebula	SH2-132	06:59 – 11:49	07:57	08	Cepheus: Bright Nebula
	Primary Focus	Broadband	Galaxies	NGC-7317	06:59 – 11:55	08:14	09	Pegasus: Stephan's Quintet
	Primary Focus	Broadband	Galaxies	NGC-7619	06:59 – 11:42	08:58	13	Pegasus: Pegasus Cluster

# Prospective Imaging Objects – November 01, 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Primary Focus	Nebula	PN	NGC-7662	06:59 – 12:54	09:04	14	Andromeda: Blue Snowball
	Primary Focus	Broadband	OC	NGC-7789	06:59 – 01:26	09:35	15	Cassiopeia: Caroline's Rose
	Primary Focus	Nebula	PN	NGC-40	06:59 – 12:46	09:51	16	Cepheus: Bow-Tie Nebula
	Primary Focus	Broadband	Galaxies	NGC 67-72	06:59 – 01:31	09:56	17	Andromeda: Andromeda Galaxy Group
	Primary Focus	Nebula	PN	NGC-246	*07:12-01:40	10:25	20	Cetus: Skull Nebula
	Primary Focus	Broadband	Globular	NGC-288	*08:49-12:22	10:30	21	Sculptor: Med Globular Cluster
	Primary Focus	Nebula	Nebula	SH2-185	06:59 – 02:24	10:38	23	Cassiopeia: Gamma Cassiopeiae Nebula
	Primary Focus	Broadband	Galaxy	IC-1613	08:27 – 01:04	10:42	23	Cetus: Irregular Dwarf Galaxy
	Primary Focus	Broadband	Galaxy	NGC-404	07:09 – 02:30	10:47	23	Andromeda: Mirachs Ghost
	Primary Focus	Broadband	Galaxies	Arp-133	09:05 – 01:08	11:03	24	Cetus: Minkowski's Object
	Primary Focus	Nebula	Nebula	SH2-188	07:24 – 02:58	11:08	25	Cassiopeia: Firefox Nebula
	Primary Focus	Broadband	OC	M-103	07:30 -02:58	11:11	25	Cassiopeia: Open Cluster
	Primary Focus	Broadband	Galaxy	NGC-772	08:28 – 02:51	11:37	27	Aries: Nautilus Galaxy
	Primary Focus	Broadband	Galaxy	NGC-1055	10:12 – 02:33	12:19	31	Cetus: Edge On Galaxy
	Primary Focus	Broadband	OC	M-34	08:35 – 04:10	12:19	31	Perseus: Open Cluster NGC-1039
	Primary Focus	Broadband	Galaxy	M-77	10:15 – 02:32	12:20	32	Cetus: Galaxy
	Primary Focus	Broadband	Galaxies	Abell-426	09:14 – 04:47	12:57	33	Perseus: Perseus Galaxy Cluster
	Primary Focus	Nebula	BN	NGC-1333	09:35 – 04:44	01:06	33	Perseus: Bright Nebula
	Primary Focus	Nebula	PN	NGC-1360	*11:22-03:06	01:10	33	Fornax: Blue Egg Nebula
	Primary Focus	Nebula	BN	IC-348	09:49 – 05:01	01:22	34	Perseus: Bright Nebula in Starfield
	Primary Focus	Broadband	Galaxy	IC-342	10:05 – 04:50	01:24	34	Camelopardalis: Large Face-On Galaxy
	Primary Focus	Nebula	PN	NGC-1555	10:50 – 05:15	01:59	36	Taurus: Hind's Variable Nebula
	Primary Focus	Nebula	BN	NGC-1579	10:30 – 05:23	02:07	37	Perseus: Trifid of the North
	Primary Focus	Broadband	DN	IC-2118	*12:11-05:17	02:39	38	Eridanus: Witch Head Nebula
	Primary Focus	Broadband	GC	M-79	*01:03-05:10	03:01	41	Lepus: Med Globular
	Primary Focus	Nebula	PN	IC-418	*12:59-05:10	03:04	41	Lepus: Spirograph Nebula
	Primary Focus	Nebula	Nebula	IC-417	11:30 – 05:23	03:05	42	Auriga: The Spider
	Primary Focus	Nebula	Nebula	NGC-1931	11:33 – 05:23	03:08	42	Auriga: The Fly

## Prospective Imaging Objects – November 01, 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Primary Focus	Nebula	Nebula	NGC-1977	01:35 – 05:23	03:12	45	Orion: Running Man Nebula
	Primary Focus	Broadband	BN, DN	M-78	01:18 – 05:23	03:23	50	Orion: Dark& Bright Nebula
	Primary Focus	Broadband	OC	M-37	11:56 – 05:23	03:29	50	Auriga: Salt and Pepper Cluster
	Primary Focus	Broadband	DN	LDN-1622	01:18 -05:23	03:31	52	Orion: Dark & Bright Nebula
	Primary Focus	Nebula	PN	IC-2165	*01:55-05:23	03:58	57	Canis Major: Small PN
	Primary Focus	Nebula	Nebula	NGC-2237	01:41 – 05:23	04:07	58	Monoceros: Rosette ROI
	Primary Focus	Broadband	RN	NGC-2261	01:36 – 05:23	04:16	59	Monoceros: Hubble’s Variable Nebula
	Primary Focus	Nebula	Nebula	NGC-2265	01:34 – 05:23	04:17	60	Monoceros: Cone Nebula
	Primary Focus	Broadband	OC	M-41	*01:52-05:23	04:23	61	Canis Major: Open Cluster NGC-2287
	Primary Focus	Nebula	Nebula	IC-2177	*02:25-05:23	04:41	62	Monoceros: Seagull Nebula Head
	Primary Focus	Broadband	Galaxy	UGC-3697	01:54 – 05:23	04:48	63	Camelopardalis: Integral Sign Galaxy
	Primary Focus	Broadband	OC	M-47	*03:18 – 05:23	05:13	56	Puppis: Open Cluster NGC-2422
	Primary Focus	Nebula	PN	NGC-2440	*02:36-05:23	05:18	66	Puppis: Bow-Tie Nebula
	Primary Focus	Broadband	OC	M-93	*03:10-05:23	05:21	67	Puppis: Butterfly Cluster



# Prospective Imaging Objects – November 01, 2024

## Imaging Summary November 01, 2024

Astronomical Dusk = 06:59

Astronomical Dawn = 05:23

### Imaging Plans

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Imaging Schedule
	HyperStar	Nebula	Nebula	SH2-240				
	HyperStar	Nebula	Nebula	IC-2162				
	HyperStar	Nebula	Nebula	NGC-1499				
	HyperStar	Broadband	Galaxies	M-106 et. El.				
	Focal Reducer	Nebula	Nebula	IC-443				
	Focal Reducer	Broadband	Galaxies	M-84 et. El.				
	Focal Reducer	Nebula	Nebula	IC-1805				
	Focal Reducer	Nebula	Nebula	NGC-2174				
	Focal Reducer	Broadband	Galaxies					
	Primary Focus	Nebula	PN	NGC-1360				
	Primary Focus	Nebula	PN	NGC-2440				
	Primary Focus	Nebula	PN	NGC-2610				
	Primary Focus	Broad Spectrum	Globular	M-68				
	Primary Focus	Nebula	Nebula					
	Primary Focus	Nebula	Nebula					
	Primary Focus	Broad Spectrum	Galaxy					
	Primary Focus	Broad Spectrum	Galaxy					