

# Prospective Imaging Objects – June 06 2024

## Astronomical Data

Sunrise	Sunset	Astronomical Dusk	Astronomical Dawn	Imaging	New Moon
05:17am	07:35 pm	09:17 pm	03:36 am	06:19	June 06

## 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

**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 – June 06 2024

<p><b>M-3 (NGC-5272)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b>            Constellation: <b>Canes Venatici</b>            Coordinates:  <b>13h 42' 11"</b>  <b>28° 22' 34"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus)            Catalog Objects: <a href="#">M-3</a>/NGC-5272</p> <p>Imaging Window: <b>09:17 – 12:36</b>            Transit: <b>09:03   85°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>Globular Cluster M-3 Constellation: Canes Venatici</small></p>
<p><b>Heron Galaxy (NGC-5395) et el.</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxies</b></p> <p>Constellation: <b>Canes Venatici</b>            Coordinates:  <b>13h 57' 46"</b>  <b>37° 35' 31"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus)            Catalog Objects: <a href="#">NGC-5395</a>,            NGC-5394, NGC-5380, NGC-5378</p> <p>Imaging Window: <b>09:17 – 01:05</b>            Transit: <b>09:19   86°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Pinwheel Galaxy (M-101)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Face-on Spiral Galaxy</b></p> <p>Constellation: <b>Ursa Major</b>            Coordinates:  <b>14h 03' 54"</b>  <b>54° 22' 44"</b></p> <p>Close Star: <b>SAO-28553</b> (Alioth)            Catalog Objects: <a href="#">M-101</a>/NGC-5457,            NGC-5477</p> <p>Imaging Window: <b>09:17 – 01:17</b>            Transit: <b>09:24   69°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>M 101 (Pinwheel Galaxy) with Saferona Constellation: Ursa Major</small></p>



# Prospective Imaging Objects – June 06 2024

<p><b>NGC-5466</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b> Constellation: <b>Bootes</b> Coordinates: <b>14h 05' 27"</b> <b>28° 32' 06"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">NGC-5466</a></p> <p>Imaging Window: <b>09:17 – 12:59</b> Transit: <b>09:26   85°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>Globular Cluster NGC-5466 Constellation: Bootes Coordinates: RA = 14h 05m 27.00s DEC = 28d 32m 06.00s   Pixel scale = 0.446 arcsec/pixel   FL=2000mm</small></p>
<p><b>Spindle Galaxy (M-102)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b></p> <p>Constellation: <b>Draco</b> Coordinates: <b>15h 06' 29"</b> <b>55° 45' 49"</b></p> <p>Close Star: <b>SAO-28553</b> (Alioth) Catalog Objects: <a href="#">M-102</a> Imaging Window: <b>09:17 – 02:19</b> Transit: <b>10:27   69°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>Spindle Galaxy (M-102/NGC-5866) Constellation: Spindle Galaxy in Draco Coordinates: RA = 15h 06m 32.20s DEC = 55d 45m 49.20s   Size = 36.9 x 28.8 arcmin   Orientation: 375deg E of N   Pixel scale = 0.446 arcsec/pixel   FL=2000mm</small></p>
<p><b>NGC-5905, 5908</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxies</b></p> <p>Constellation: <b>Drao</b> Coordinates: <b>15h 16' 07"</b> <b>55° 28' 10"</b></p> <p>Close Star: <b>SAO-28737</b> (Mizar) Catalog Objects: <a href="#">NGC-5905</a>, 5908 Imaging Window: <b>09:17 – 02:28</b> Transit: <b>10:36   68°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>Galaxies NGC-5905, NGC-5908 Constellation: Draco the dragon Coordinates: RA = 15h 16m 35.96s DEC = 55d 28m 29.00s   Size = 29.75 x 19.8 arcmin   Pixel scale = 0.446 arcsec/pixel</small></p>




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<p><b>Splinter Galaxy (NGC-5907)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b></p> <p>Constellation: <b>Drao</b> Coordinates: <b>15h 15' 54"</b> <b>56° 19' 49"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">NGC-5907</a> Imaging Window: <b>09:17 – 02:28</b> Transit: <b>10:36   68°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Splinter Galaxy (NGC 5907) Constellation: Drao</p> <p style="font-size: x-small; text-align: right;">James Yoder 2017.01.25 Config:  C11 Starizona F1 Converter Starizona C11HD ZWO6200MC  Exposure Info: 00h00m00s Gain: 2200 08Dec 190</p>
<p><b>M-5 (NGC-5904)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Serpens</b> Coordinates: <b>15h 18' 34"</b> <b>02° 05' 00"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">M-5</a>/<a href="#">NGC-5904</a> Imaging Window: <b>09:17 – 01:00</b> Transit: <b>10:39   59°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">M-005 Globular Cluster in Serpens</p> <p style="font-size: x-small; text-align: right;">James Yoder 2017.01.25</p>
<p><b>Draco Trio (NGC-5985,5982,5981)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxies</b></p> <p>Constellation: <b>Drao</b> Coordinates: <b>15h 38' 20"</b> <b>59° 22' 56"</b></p> <p>Close Star: <b>SAO-28737</b> (Mizar) Catalog Objects: <a href="#">NGC-5985</a>, NGC-5982, NGC-5981 Imaging Window: <b>09:17 – 02:49</b> Transit: <b>11:00   64°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">NGC 5981</p> <p style="font-size: small;">NGC 5982</p> <p style="font-size: small;">NGC 5985</p> <p style="font-size: x-small;">NGC-5981, NGC-5982, NGC-5985 Galaxy Cluster in Draco C-11, 1600iso, 70min</p> <p style="font-size: x-small; text-align: right;">James Yoder 2018.05.08</p>




# Prospective Imaging Objects – June 06 2024

<p><b>Sharpless 2-1 (SH2-1)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Scorpius</b>            Coordinates:  <b>15h 56' 09"</b>  <b>-25° 40' 29"</b></p> <p>Close Star: <b>SAO-208078 (Wei)</b>            Catalog Objects: <a href="#">SH2-1/LBN-1093</a></p> <p>Imaging Window: *<b>09:30 – 01:13</b>            Transit: <b>11:19   31°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Seyfert's Sextet (NGC-6027A-E)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy Group &amp; One</b></p> <p>Constellation: <b>Serpens</b>            Coordinates:  <b>15h 59' 46"</b>  <b>20° 47' 27"</b></p> <p>Close Star: <b>SAO-83893</b>            Catalog Objects: <a href="#">NGC-6027A-E</a>,            UGC-10127</p> <p>Imaging Window: <b>09:17 – 02:38</b>            Transit: <b>11:20   77°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p><small>NGC-6027 (Seyfert's Sextet)            Constellation: Serpens            RA: 15h 59m 46.00s Dec: 20° 47' 27.00" Elevation: 32.00m Alt: 10.00m</small></p> <p><small>Sharpless 2-1 (SH2-1)            Constellation: Scorpius            RA: 15h 56m 09.00s Dec: -25° 40' 29.00" Elevation: 32.00m Alt: 10.00m</small></p>

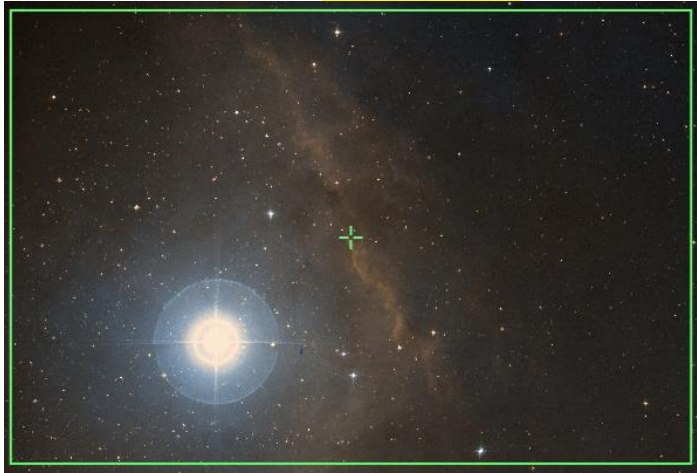

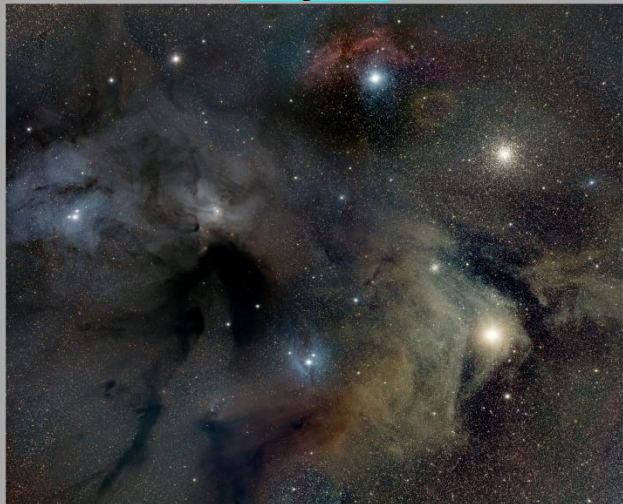
# Prospective Imaging Objects – June 06 2024

<p><b>Hercules Galaxy Cluster</b> (Abell-2151) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy Cluster</b></p> <p>Constellation: <b>Hercules</b> Coordinates: <b>16h 05' 13"</b> <b>17° 45' 39"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">Abell-2151</a></p> <p>Imaging Window: <b>09:17 – 02:37</b> Transit: <b>11:26   74°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Hercules Cluster of galaxies (Abell-2151) Constellation: Hercules RA: 16h 05m 13.00s DEC: 17° 45' 39.00"   © 2024 Starizona LLC Filter: C-11 HD Primary Focus (No Filter) QHY128M   F5 (2800) Exposure: 300s (30000000) Gain: 1200 (100000.0)</p>
<p><b>NGC-6058</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Hercules</b> Coordinates: <b>16h 04' 27"</b> <b>40° 41' 01"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">NGC-6058</a></p> <p>Imaging Window: <b>09:17 – 03:14</b> Transit: <b>11:25   83°</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 16hr 04' 27" · DEC 40° 41' 01"</p>
<p><b>Tadpole Galaxy (Arp-188)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b></p> <p>Constellation: <b>Draco</b> Coordinates: <b>16h 06' 04"</b> <b>55° 26' 07"</b></p> <p>Close Star: <b>SAO-28737</b> (Mizar) Catalog Objects: <a href="#">Arp-188</a>, PGC-57087, 57114, 57108</p> <p>Imaging Window: <b>09:17 – 03:19</b> Transit: <b>11:26   68°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Tadpole Galaxy (ARP-188) Constellation: Draco the dragon RA: 16h 06m 04.00s DEC: 55° 26' 07.00"   Size: 41.8 x 27.9 arcmin   Orientation: 308deg E of N   Pixel scale: 0.448 arc/pixel Filter: C-11 HD Primary Focus (No Filter) QHY128M   F5 (2800) Exposure: 300s (30000000) Gain: 1200 (100000.0)</p>

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<p><b>White Eyed Pea (IC-4593)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Hercules</b> Coordinates: <b>15h 11' 45"</b> <b>12° 03' 45"</b></p> <p>Close Star: <b>SAO-100944</b> (Arcturus) Catalog Objects: <a href="#">IC-4593</a> Imaging Window: <b>09:17 – 02:29</b> Transit: <b>11:32   69°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">White Eyed Pea Nebula (IC-4593) Constellation: Hercules RA: 15h 11m 45.00s DEC: 12d 03m 45.00s   Date: 2024-05-06   Observing: 6.8Mag E of N   Filter: Clear   FWHM: 0.5"   Exposure: 10.000sec</p> <p style="font-size: x-small; text-align: right;">James Van Der Meer (2023-04-05 - 2023-04-06)   Location: Chandler, AZ Config: C-11 HD   ZWO6200MC   Filter: Clear   FWHM: 0.5"   Exposure: 10.000sec</p>
<p><b>Blue Horshead (IC-4592)</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Scorpius</b> Coordinates: <b>16h 14' 15"</b> <b>-19° 17' 16"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares) Catalog Objects: <a href="#">IC-4592</a></p> <p>Imaging Window: <b>*09:37 – 01:25</b> Transit: <b>11:33   37°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Blue Horse Nebula (IC-4592) Constellation: Scorpius RA: 16h 14m 15.00s DEC: -19d 17m 16.00s   Date: 2024-05-06   Observing: 7.0Mag E of N   Filter: Clear   FWHM: 0.5"   Exposure: 120.000sec</p> <p style="font-size: x-small; text-align: right;">James Van Der Meer (2023-04-05 - 2023-04-06)   Location: Chandler, AZ Config: C-11 HD   HyperStar V4   Baader Hyperion Filter (OHY1256)   Exposure: 120.000sec   Gain: 1200   Offset: 100</p>
<p><b>M-80 (NGC-6093)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Scorpius</b> Coordinates: <b>16h 17' 02"</b> <b>-22° 58' 28"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares) Catalog Objects: <a href="#">M-80</a>/<a href="#">NGC-6093</a> Imaging Window: <b>*09:26 – 02:00</b> Transit: <b>11:37   34°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Globular Cluster M-80 Constellation: Scorpius RA: 16h 17m 02.00s DEC: -22d 58m 28.00s   Date: 2024-05-06   Observing: 6.8Mag E of N   Filter: Clear   FWHM: 0.5"   Exposure: 10.000sec</p> <p style="font-size: x-small; text-align: right;">James Van Der Meer (2023-04-05 - 2023-04-06)   Location: Chandler, AZ Config: C-11 HD   ZWO6200MC   Filter: Clear   FWHM: 0.5"   Exposure: 10.000sec</p>

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<p><b>SH2-9</b>            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Scorpius</b>            Coordinates:  <b>16h 20' 16"</b>  <b>-25° 25' 53"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)            Catalog Objects: <a href="#">SH2-9</a>            Imaging Window: <b>09:48 – 01:38</b>            Transit: <b>11:42   31°</b></p>	<p><b>C-11 HD: Focal Reducer</b></p> 
<p><b>M-4 (NGC-6121)</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Scorpius</b>            Coordinates:  <b>16h 23' 35"</b>  <b>-26° 31' 29"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)            Catalog Objects: <a href="#">M-4/NGC-6121</a>            Imaging Window: <b>*09:55 – 01:34</b>            Transit: <b>11:44   30°</b></p>	<p><b>C-11 HD: Primary Focus</b></p>  <p><small>Globular Cluster Messier 4            Constellation: Scorpius            RA = 16h 23m 35.0s, DEC = -26deg 31' 29.4", Size = 17.8 x 27.0 arcmin, Observation: 0.8deg E of N, (Pixel scale = 0.452 arcsec/pixel), (F1-1773mm)            James Yoder (Danco) 2022-04-21 - 2022-09-20, Location: Chandler, AZ            Config: C-11 HD ZWO6200MC Filter: ZWO128C            Exposure: 100s (315000) Stars: (Gain: 1200) (Offset: 100)</small></p>
<p><b>Ophiuchus Complex (IC-4604)</b>            Config: <b>C11-HD   HS   ZWO6200MC</b>            Composite with M-4            Type: <b>Bright Nebula</b>            Constellation: <b>Scorpius</b>            Coordinates:            Frame 01              RA: <b>16hr 26' 46"</b> DEC: <b>-24° 08' 13"</b>            Frame 02              RA: <b>16hr 26' 46"</b> DEC: <b>-26° 14' 42"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)            Catalog Objects: <a href="#">IC-4604</a></p> <p>Imaging Window: <b>*09:34 – 02:04</b>            Transit: <b>11:46   33°</b></p>	<p><b>C-11 HD: HyperStar v4 Composite!</b></p>  <p><small>Ophiuchus Complex Region            Constellation: Ophiuchus and Scorpius            RA = 16h 26m 46.0s, DEC = -24deg 08' 13.0", Size = 1.07deg, Observation: 0.8deg E of N            James Yoder (Danco) 2022-04-21 - 2022-09-20, Location: Chandler, AZ            Config: C-11 HD ZWO6200MC Filter: ZWO128C            Exposure: 100s (315000) Stars: (Gain: 1200) (Offset: 100)</small></p>



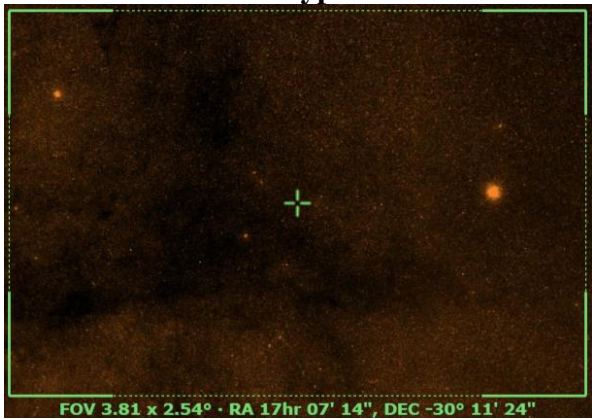
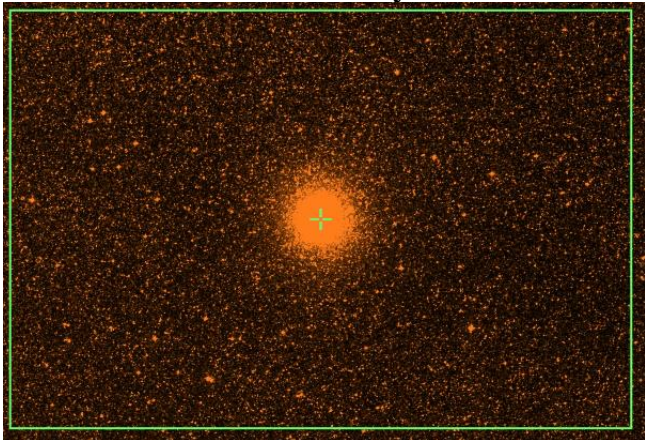

# Prospective Imaging Objects – June 06 2024

<p><b>Abell-39</b> (PK 47+42.1)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Hercules</b>            Coordinates:  <b>16h 27' 34"</b>  <b>27° 54' 29"</b></p> <p>Close Star: <b>SAO-84951</b> (Sarin)            Catalog Objects: <a href="#">Abell-39/PN A66 39</a>            Imaging Window: <b>09:17 – 3:20</b>            Transit: <b>11:48   84°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">Planetary Nebula Abell-39            Constellation: Hercules            RA = 16h 27m 32.8s DEC = -27deg 54' 19.0" Size = 38 x 26 arcmin Orientation: Rotg E of N Field scale = 0.446 arcsec/pix F1-2000mm            James VanDer Meer 2023 05 11 Location: Mountain View, CA            Config: C-11 HD No Filter (QHY12K) Exposure Info: 100ms/Frame Gain: 3200 Offset: 100</p>
<p><b>M-107</b> (NGC-6171)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>16h 32' 32"</b>  <b>-13° 03' 11"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-107/NGC-6171</a>            Imaging Window: <b>*09:48 – 01:57</b>            Transit: <b>11:53   44°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Hercules Cluster</b>(M-13)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Hercules</b>            Coordinates:  <b>16h 41' 41"</b>  <b>36° 27' 39"</b></p> <p>Close Star: <b>SAO-067174</b> (Vega)            Catalog Objects: <a href="#">M-13/NGC-6205</a>            Imaging Window: <b>09:17 – 03:30</b>            Transit: <b>12:05   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">Great Hercules Cluster M-13 (NGC-6205)            Constellation: Hercules            RA = 16h 41m 41.0s DEC = 36deg 27' 39.0" Image Size = 41 x 36.1 arcmin Field scale = 0.445 arcsec/pix            James VanDer Meer 2023 05 11 Location: Mountain View, CA            Config: C-11 HD No Filter (QHY12K) F1-2000mm            Exposure Info: 100ms/Frame Gain: 3200 Offset: 100</p>

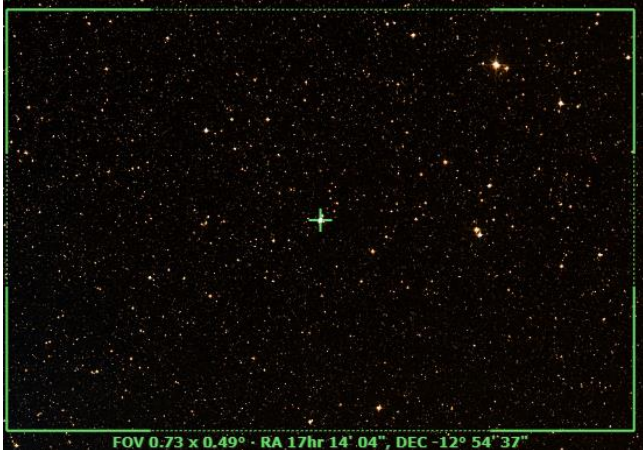


# Prospective Imaging Objects – June 06 2024

<p><b>Turtle Nebula</b> (NGC-6210) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Hercules</b> Coordinates: <b>16h 44' 29"</b> <b>23° 48' 02"</b></p> <p>Close Star: <b>SAO-84411 (Kornephoros)</b> Catalog Objects: <a href="#">NGC-6210</a> Imaging Window: <b>09:17 – 03:30</b> Transit: <b>12:05   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Planetary Nebula NGC-6210 Constellation: Hercules Coordinates: RA = 16h 44m 29s DEC = 23d 48' 02" Size = 27 x 39 arcmin Orientation: N49.5 E of N; Pixel scale = 0.27 arcsec/pixel; FL = 2000mm Jovan Yoder   Date(s): 2023/04/21 - 2023/04/21   Location: Chandler, AZ Config:  C-11 HD ZWO6200MC  Exposure Info: 41 frames/2000 Gain 3200   OIBP: 100</p>
<p><b>M-12</b>(NGC-6218) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>16h 47' 15"</b> <b>-01° 56' 50"</b></p> <p>Close Star: <b>SAO-160006 (zeta Ophi)</b> Catalog Objects: <a href="#">M-12</a>/NGC-6218 Imaging Window: <b>10:12 – 02:09</b> Transit: <b>12:07   55°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Globular Cluster Messier 12 Constellation: Ophiuchus Coordinates: RA = 16h 47m 15s DEC = -01d 56' 50" Size = 13.7 x 27.0 arcmin Orientation: 0.0deg E of N; Pixel scale = 0.432 arcsec/pixel; FL = 2720mm Jovan Yoder   Date(s): 2023/04/21 - 2023/04/21   Location: Chandler, AZ Config:  C-11 HD ZWO6200MC  Exposure Info: 41 frames/2000 Gain 3200   OIBP: 100</p>
<p><b>M-10</b>(NGC-6254) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>16h 57' 09"</b> <b>-04° 05' 56"</b></p> <p>Close Star: <b>SAO-160006 (zeta Ophi)</b> Catalog Objects: <a href="#">M-10</a>/NGC-6254 Imaging Window: <b>10:35 – 02:06</b> Transit: <b>12:17   53°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 


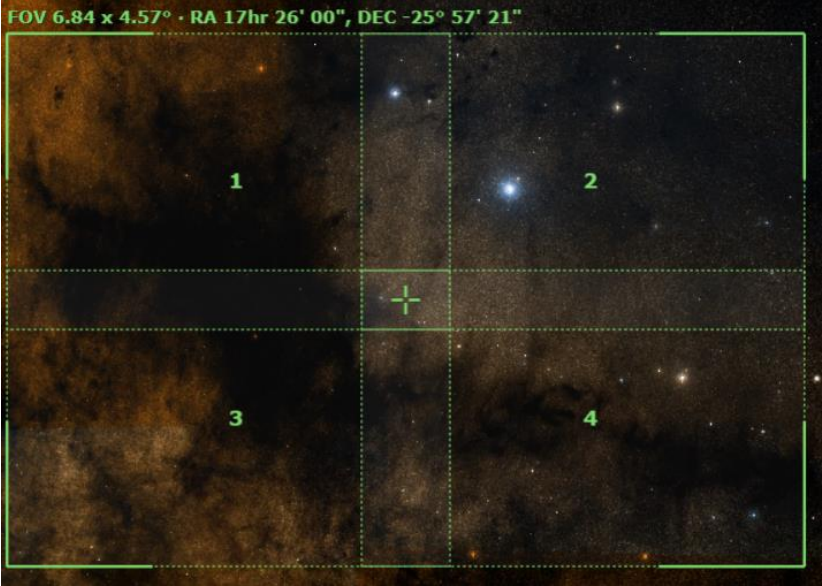
# Prospective Imaging Objects – June 06 2024

<p><b>M-62 Region</b> (NGC-6266)            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>16h 25' 36"</b>  <b>-23° 27' 00"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-62</a>/NGC-6266            Imaging Window: *11:16 – 01:23            Transit: 12:21   33°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>M-62</b>(NGC-6266)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 01' 13"</b>  <b>-30° 06' 42"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-62</a>/NGC-6266            Imaging Window: *11:16 – 01:23            Transit: 12:21   33°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-19</b>(NGC-6273)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 02' 38"</b>  <b>-26° 16' 03"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-19</a>/NGC-6273            Imaging Window: *10:37 – 02:15            Transit: 12:23   30°</p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – June 06 2024

<p><b>Box Nebula</b> (NGC-6309)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Hercules</b>            Coordinates:  <b>17h 14' 04"</b>  <b>-12° 54' 37"</b></p> <p>Close Star: <b>SAO-160332</b> (Sabik)            Catalog Objects: <a href="#">NGC-6309</a>            Imaging Window: *<b>10:34 – 02:38</b>            Transit: <b>12:34   44°</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 17hr 14' 04", DEC -12° 54' 37"</p>
<p><b>M-92</b>(NGC-6341)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Hercules</b>            Coordinates:  <b>17h 17' 07"</b>  <b>43° 08' 13"</b></p> <p>Close Star: <b>SAO-067174</b> (Vega)            Catalog Objects: <a href="#">M-92</a>/NGC-6341            Imaging Window: <b>09:17 – 03:36</b>            Transit: <b>12:37   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center; font-size: x-small;">M-92 Globular Cluster</p> <p style="text-align: right; font-size: x-small;">James Yoder, 2017.05.20</p>
<p><b>M-9</b>(NGC-6333)            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Glob Cluster &amp; DNeB</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 18' 24"</b>  <b>-18° 34' 58"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-9</a>/NGC-6333            Imaging Window: *<b>10:37 – 02:49</b>            Transit: <b>12:39   38°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="text-align: center; font-size: small;">FOV 1.04 x 0.70° · RA 17hr 18' 24", DEC -18° 34' 58"</p>




# Prospective Imaging Objects – June 06 2024

<p><b>M-9</b>(NGC-6333)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Glob Cluster &amp; DNeB</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 19' 12"</b>  <b>-18° 30' 57"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi)            Catalog Objects: <a href="#">M-9</a>/NGC-6333            Imaging Window: *<b>10:37 – 02:49</b>            Transit: <b>12:39   38°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">             Globular Cluster Messier 9              Constellation: Ophiuchus              RA = 17h 19m 11.5s, DEC = -18deg 31' 43.9", Size = 17.3 x 26.3 arcmin, Observation: 9 May, E of N, Pixel scale = 0.412 arcsecond, FL = 2725mm              Avner Yofel   Dates: 2023/04/21 - 2023/04/21   Location: Chandler, AZ              Config:  C-11 HD Black Magic Filter: 000 Duo               Exposure Info: 300x300px, Gain: 200, @fwhm: 100           </p>
<p><b>Dark Horse Nebula</b> (LDN 42)            Config: <b>C11-HD   HS   ZWO6200MC</b></p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b>            Frame 01            RA: <b>17hr 32' 42"</b> DEC: <b>-24° 55' 48"</b>            Frame 02            RA: <b>17hr 19' 18"</b> DEC: <b>-24° 55' 48"</b>            Frame 03            RA: <b>17hr 32' 49"</b> DEC: <b>-26° 57' 43"</b>            Frame 04            RA: <b>17hr 19' 11"</b> DEC: <b>-26° 57' 43"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)</p> <p>Catalog Objects: <a href="#">LDN-42</a>            Imaging Window: *<b>11:03 – 02:49</b>            Transit: <b>12:52   31°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4 Composite!</b></p>  <p style="font-size: small;">             FOV 6.84 x 4.57° · RA 17hr 26' 00", DEC -25° 57' 21"           </p>


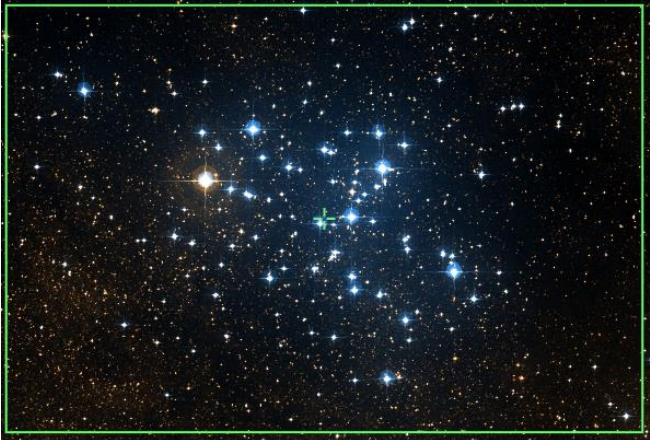

# Prospective Imaging Objects – June 06 2024

<p><b>Pipe Nebula (LDN 1773)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 19' 54"</b>  <b>-26° 52' 60"</b></p> <p>Close Star: SAO-184415 (Antares)</p> <p>Catalog Objects: <a href="#">LDN-1773</a>            Imaging Window: *11:03 – 02:22            Transit: 12:40   30°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Pipe Nebula in Ophiuchus C-11 HyperStar, 1400iso, 42min</p> <p style="font-size: x-small; text-align: right;">James Yellier 2018-05-15</p>
<p><b>Pipe Nebula (LDN 1773)</b>            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 20' 10"</b>  <b>-26° 50' 18"</b></p> <p>Close Star: SAO-184415 (Antares)</p> <p>Catalog Objects: <a href="#">LDN-1773</a>            Imaging Window: *11:03 – 02:22            Transit: 12:40   30°</p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="font-size: x-small; color: green;">FOV 1.1 x 0.7" RA 17hr 20' 10" DEC -26° 50' 18"</p>
<p><b>The Snake Nebula (B-72)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b>            Coordinates:  <b>17h 25' 49"</b>  <b>-23° 58' 05"</b></p> <p>Close Star: SAO-160006 (zeta Ophi)            Catalog Objects: <a href="#">B-72</a>/LDN-66            Imaging Window: *10:34 – 02:53            Transit: 12:44   33°</p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 

# Prospective Imaging Objects – June 06 2024




<p><b>The Snake Nebula (B-72)</b> Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>17h 24' 19"</b> <b>-23° 39' 06"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi) Catalog Objects: <a href="#">B-72</a>/LDN-66 Imaging Window: *<b>10:34 – 02:53</b> Transit: <b>12:44   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p><small>The Snake Nebula Constellation: Ophiuchus RA = 17h 24m 19s DEC = -23deg 39' 06" (J2000) Field scale = 0.379 arcsec/pixel Jason Volder (2024-04-27) Location: Sonoma County, California Camera: C-11 HD with Focal Reducer Exposure: 60s (200mag/Star) Gain: 200 (0.00sec/1px)</small></p>
<p><b>Barnard 75 (B-75)</b> Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>17h 25' 22"</b> <b>-22° 04' 05"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares) Catalog Objects: <a href="#">B-75</a>/LDN-112 Imaging Window: *<b>10:26 – 03:10</b> Transit: <b>12:45   35°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p><small>FOV 1.04 x 0.70" · RA 17hr 25' 22", DEC -22° 04' 05"</small></p>
<p><b>Little Ghost (NGC-6369)</b> Config:  C11HD  ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>17h 29' 20"</b> <b>-23° 45' 33"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi) Catalog Objects: <a href="#">NGC-6369</a> Imaging Window: *<b>10:40 – 03:01</b> Transit: <b>12:49   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – June 06 2024


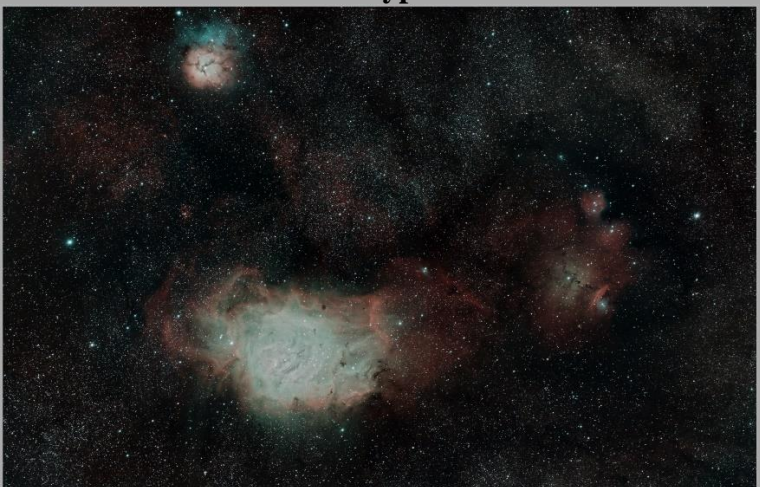
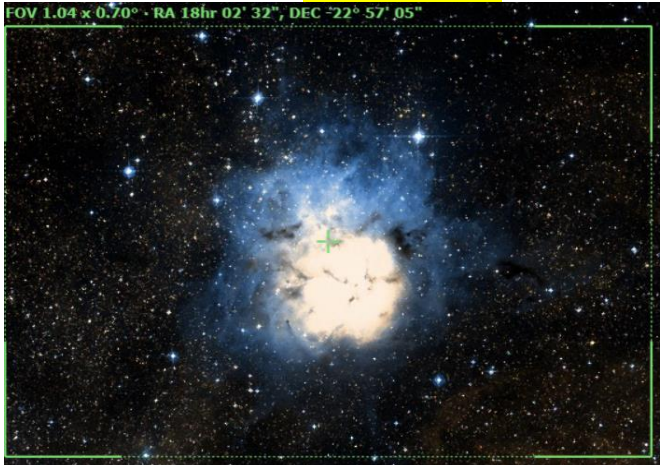
<p><b>M-14</b>(NGC-6402) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>17h 37' 36"</b> <b>-03° 14' 43"</b></p> <p>Close Star: <b>SAO-160006</b> (zeta Ophi) Catalog Objects: <a href="#">M-14</a>/NGC-6402 Imaging Window: <b>04:03 – 05:01</b> Transit: <b>05:55   53°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>M-14 (NGC-6402) C-11 HD: Primary Focus © 2024 Starizona LLC. All rights reserved. This image is for personal use only. No part of this image may be reproduced without written permission from Starizona LLC.</small></p>
<p><b>Butterfly Cluster</b>(M-6) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Scorpius</b> Coordinates: <b>17h 40' 20"</b> <b>-32° 15' 30"</b></p> <p>Close Star: <b>SAO-210091</b> (Kaus Aus..) Catalog Objects: <a href="#">M-6</a>/NGC-6405 Imaging Window: <b>*11:16 – 02:46</b> Transit: <b>01:00   24°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>M-6 (NGC-6405) C-11 HD: Primary Focus © 2024 Starizona LLC. All rights reserved. This image is for personal use only. No part of this image may be reproduced without written permission from Starizona LLC.</small></p>
<p><b>Praying Matis Nebula</b> (B-84) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>17h 46' 24"</b> <b>-20° 08' 31"</b></p> <p>Close Star: <b>SAO-210091</b> (Kaus Aus..) Catalog Objects: <a href="#">B-84</a>/LDN-235 Imaging Window: <b>*11:19 – 03:04</b> Transit: <b>01:07   36°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>B-84 (LDN-235) C-11 HD: Primary Focus © 2024 Starizona LLC. All rights reserved. This image is for personal use only. No part of this image may be reproduced without written permission from Starizona LLC.</small></p>




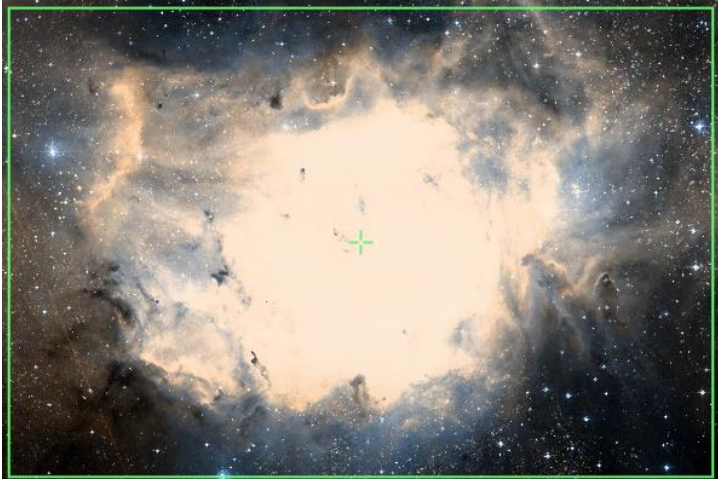

# Prospective Imaging Objects – June 06 2024

<p><b>Box Nebula</b> (NGC-6445) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>17h 49' 15"</b> <b>-20° 00' 32"</b></p> <p>Close Star: <b>SAO-210091</b> (Kaus Aus.) Catalog Objects: <a href="#">NGC-6445</a> Imaging Window: *<b>11:16 – 03:10</b> Transit: <b>01:09   37°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="text-align: center;"><small>Box Nebula/Little Gem (NGC-6445) Copyright © 2024, All Rights Reserved. www.astrobin.com</small></p>
<p><b>Ptolemy Cluster</b>(M-7) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Scorpius</b> Coordinates: <b>17h 53' 39"</b> <b>-34° 48' 53"</b></p> <p>Close Star: <b>SAO-210091</b> (Kaus Aus.) Catalog Objects: <a href="#">M-7</a>/<a href="#">NGC-6475</a> Imaging Window: *<b>12:03 – 02:15</b> Transit: <b>01:14   22°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-23</b>(NGC-6494) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>17h 56' 56"</b> <b>-19° 00' 42"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares) Catalog Objects: <a href="#">M-23</a>/<a href="#">NGC-6494</a> Imaging Window: *<b>11:19 – 03:25</b> Transit: <b>01:17   38°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – June 06 2024

<p><b>Cat's Eye Nebula</b>(NGC-6543) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Draco</b> Coordinates: <b>17h 59' 00"</b> <b>66° 37' 39"</b></p> <p>Close Star: <b>SAO-18222</b> (Altair) Catalog Objects: <a href="#">NGC-6543</a> Imaging Window: <b>09:54 – 03:36</b> Transit: <b>01:19   57°</b></p>	<p><b>C-11 HD: Primary Focus</b></p>  <p><small>Cat's Eye Nebula (NGC-6543) Constellation: Draco RA: 17h 59m 00s DEC: +66deg 37' 39.0" Size: 48.8 x 27.2 pixels / Observation: 0.11 deg E. of N / Field width: 0.441 arcmin (FL: 2000mm) Star: SAO-18222 (Altair) Date: 2024-05-12 Location: Chandler, AZ Config: C-11 HD (Secondary) C-11 HD-2000 MC Exposure: 1hr / 7000000000 / Gain: 1200 / Offset: 100</small></p>
<p><b>Lagoon Region</b> Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 05' 54"</b> <b>-23° 56' 32"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-8</a>/NGC-6523, M-20, NGC-6544 Imaging Window: *<b>11:23 – 03:28</b> Transit: <b>01:24   32°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p>  <p><small>M8 Region Constellation: Sagittarius RA: 18h 05m 54s DEC: -23deg 56' 32.0" Size: 120 x 120 pixels / Observation: 0.11 deg E. of N / Field width: 0.441 arcmin (FL: 2000mm) Star: SAO-186841 (Kaus Borealis) Date: 2024-05-12 Location: Chandler, AZ Config: C-11 HD (Secondary) HyperStar v4 Exposure: 1hr / 7000000000 / Gain: 1200 / Offset: 100</small></p>
<p><b>Trifid Nebula</b>(M-20) Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 02' 32"</b> <b>-22° 57' 05"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-8</a>/NGC-6523 Imaging Window: *<b>11:06 – 03:39</b> Transit: <b>01:23   34°</b></p>	<p><b>C-11 HD: Focal Reducer</b></p> <p><b>FOV 1.04 x 0.70° • RA 18hr 02' 32", DEC -22° 57' 05"</b></p>  <p><small>M20 Region Constellation: Sagittarius RA: 18h 02m 32s DEC: -22deg 57' 05.0" Size: 120 x 120 pixels / Observation: 0.11 deg E. of N / Field width: 0.441 arcmin (FL: 2000mm) Star: SAO-186841 (Kaus Borealis) Date: 2024-05-12 Location: Chandler, AZ Config: C-11 HD (Secondary) Focal Reducer Exposure: 1hr / 7000000000 / Gain: 1200 / Offset: 100</small></p>


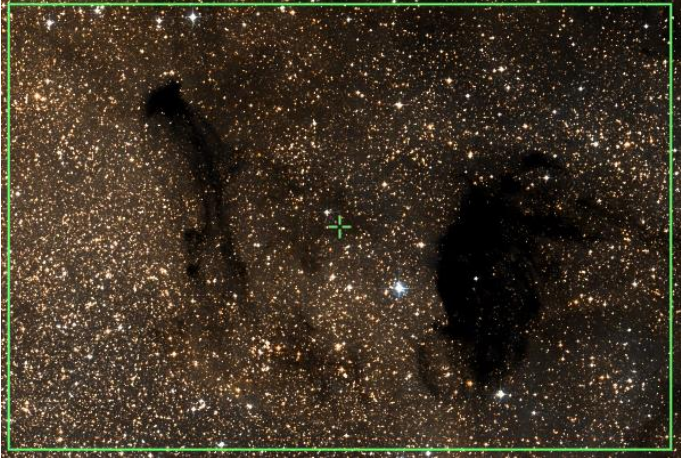
# Prospective Imaging Objects – June 06 2024

<p><b>Trifid Nebula</b> (M-20)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b>            Coordinates:  <b>18h 02' 42"</b>  <b>-22° 57' 60"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis)            Catalog Objects: <a href="#">M-20</a>/NGC-6514            Imaging Window: *<b>11:06 – 03:39</b>            Transit: <b>01:23   34°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">Trifid Nebula (M-20/NGC-6514)  <small>Copyright © Sagittarius        James Yoder   Dated: 2024-05-15, 20:00:17   Location: Massachusetts Technical AZ        Config: C-11 HD Primary Focus, No Filter, 500T24        Exposure Info: 300sec/Frame, Gain: 5000, Offset: 100</small></p>
<p><b>Lagoon Nebula</b> (M-8)            Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b>            Coordinates:  <b>18h 04' 04"</b>  <b>-24° 19' 52"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis)            Catalog Objects: <a href="#">M-8</a>/NGC-6523            Imaging Window: *<b>11:23 – 03:28</b>            Transit: <b>01:24   32°</b></p>	<p style="text-align: center;"><b>C-11 HD: <b>Focal Reducer</b></b></p> 
<p><b>Lagoon Nebula</b> (M-8)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b>            Coordinates:  <b>18h 04' 02"</b>  <b>-24° 20' 56"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis)            Catalog Objects: <a href="#">M-8</a>/NGC-6523            Imaging Window: *<b>11:23 – 03:28</b>            Transit: <b>01:24   32°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">FOV 0.72 x 0.49° - RA 18hr 04' 02", DEC -24° 20' 56"</p>

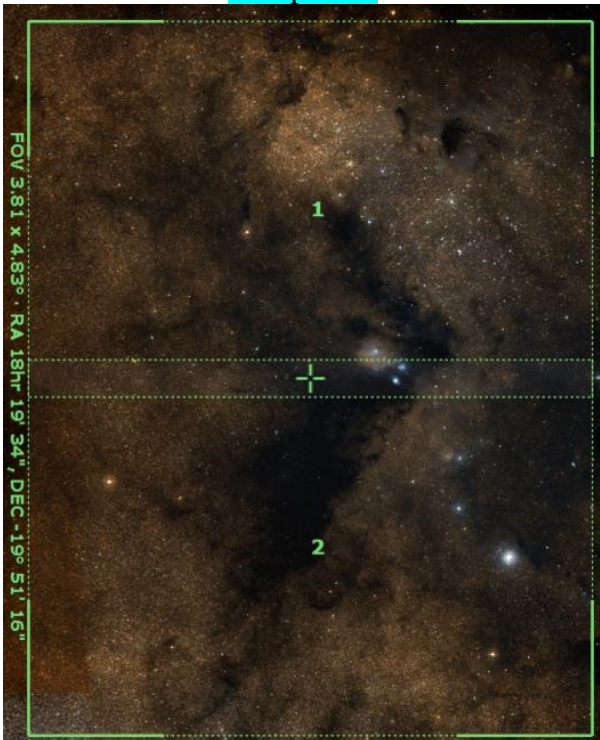

# Prospective Imaging Objects – June 06 2024

<p><b>M-21</b>(NGC-6531) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 04' 13"</b> <b>-22° 30' 00"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-21</a>/NGC-6531 Imaging Window: *<b>12:00 – 03:04</b> Transit: <b>01:24   34°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>IC-4685</b> (IC-4685) Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 09' 29"</b> <b>-23° 50' 25"</b></p> <p>Close Star: <b>SAO-209696</b> (Alnasl) <b>Rotation 90°</b> Catalog Objects: <a href="#">IC-1274</a> Imaging Window: *<b>11:28 – 03:36</b> Transit: <b>01:31   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>IC-1274</b> (IC-1275) Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Bright Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 09' 41"</b> <b>-23° 52' 50"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)</p> <p>Catalog Objects: <a href="#">IC-1274</a> Imaging Window: *<b>11:28 – 03:36</b> Transit: <b>01:31   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p>  <p style="font-size: small;">Bright Nebula IC-1274, IC-1275, IC-4685, NGC-6559 Constellation: Sagittarius RA = 18:09:41.638 DEC = -23:52:50.252 RA = 18:09:29.046 DEC = -23:50:25.252 James Taylor Date: 2023-05-11 Location: Mission Grande, Tuba, AZ Camera: ZWO ASI 533MM CCD Filter: H-alpha, H-beta, H-gamma, H-delta, H-epsilon, H-zeta, H-eta, H-theta, H-iota, H-kappa, H-lambda, H-mu, H-nu, H-xi, H-omicron, H-pi, H-rho, H-sigma, H-tau, H-y, H-z, H-AA, H-AB, H-AC, H-AD, H-AE, H-AF, H-AG, H-AH, H-AI, H-AJ, H-AK, H-AL, H-AM, H-AN, H-AO, H-AP, H-AQ, H-AR, H-AS, H-AT, H-AU, H-AV, H-AW, H-AX, H-AY, H-AZ, H-AA, H-AB, H-AC, H-AD, H-AE, H-AF, H-AG, H-AH, H-AI, H-AJ, H-AK, H-AL, H-AM, H-AN, H-AO, H-AP, H-AQ, H-AR, H-AS, H-AT, H-AU, H-AV, H-AW, H-AX, H-AY, H-AZ</p>




# Prospective Imaging Objects – June 06 2024

<p><b>Emerald Nebula</b> (NGC-6572) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>18h 12' 06"</b> <b>06° 51' 15"</b></p> <p>Close Star: <b>SAO-102932</b> (Rasalhague) Catalog Objects: <a href="#">NGC-6572</a> Imaging Window: <b>10:59 – 03:36</b> Transit: <b>01:32   64°</b></p>	<p><b>C-11 HD: Primary Focus</b></p>  <p><small>Planetary Nebula NGC-6572 Constellation Ophiuchus Coordinates RA: 18h 12m 06s DEC: 06d 51m 15s Size: 27" x 13" max. Observed: May 6 2024 (Polaris) 6.2" max.fov. (F6, 200mm)</small></p> <p><small>View Field: 12.6x9.5 (5.4x3.9) (12.6x9.5) (12.6x9.5) (12.6x9.5) C-11 HD Primary Focus (Polaris) (200mm) Exposure: 30s   142 (4x35mm)   Gain: 100 (1000x)   30</small></p>
<p><b>B-93</b>(LDN-327) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 16' 12"</b> <b>-18° 10' 19"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">B-93</a>/LDN-327, B-92 Imaging Window: *<b>11:31 – 03:36</b> Transit: <b>01:37   30°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 


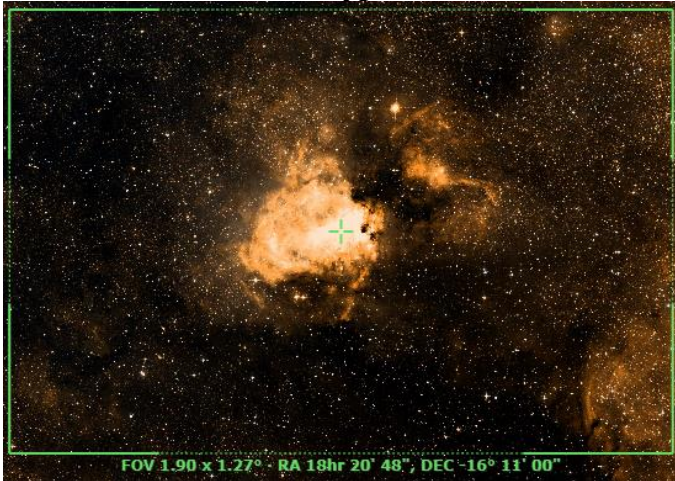

# Prospective Imaging Objects – June 06 2024

<p><b>IC-1283 Region</b> (NGC-6589) Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates:</p> <ul style="list-style-type: none"><li>• <b>Frame 1</b><ul style="list-style-type: none"><li>○ RA: 18h 19' 34"</li><li>○ DEC: -18° 42' 41"</li></ul></li><li>• <b>Frame 2</b><ul style="list-style-type: none"><li>○ RA: 18h 19' 34"</li><li>○ DEC: -20° 59' 51"</li></ul></li></ul> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">IC-1283</a>/NGC-6589</p> <p>Imaging Window: *11:41 – 03:36 Transit: 01:37   37°</p>	<p><b>C-11 HD: HyperStar v4</b> <b>Composite!</b></p> 
<p><b>IC-1283</b>(NGC-6589) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 17' 21"</b> <b>-19° 43' 10"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">IC-1283</a>/NGC-6589 Imaging Window: *11:41 – 03:36 Transit: 01:37   37°</p>	<p><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – June 06 2024


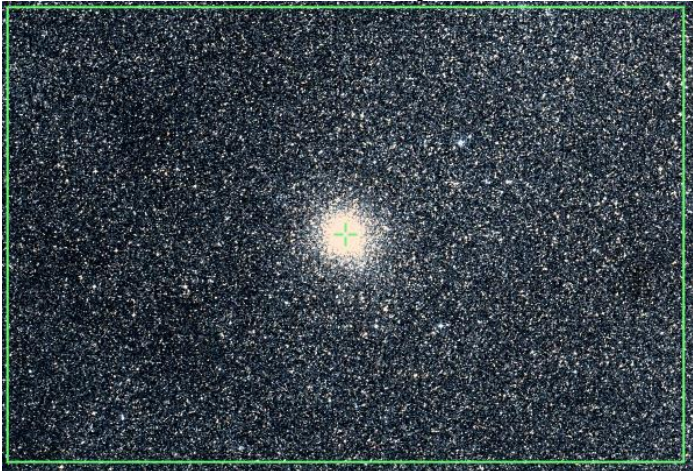
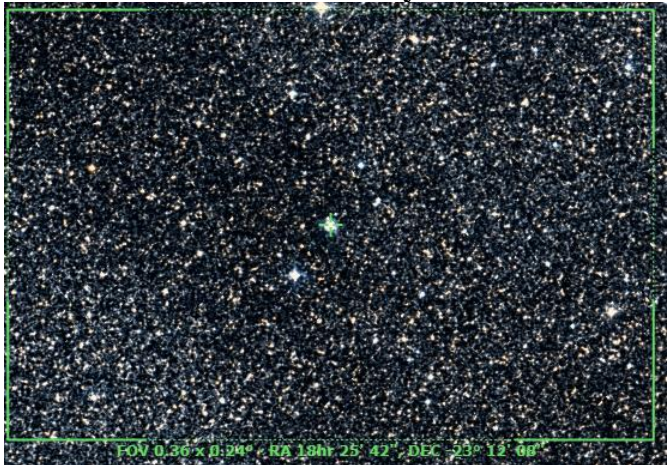
<p><b>Sagittarius Star Cloud(M-24)</b> Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 18' 42"</b> <b>-18° 30' 43"</b></p> <p>Close Star: <b>SAO-184415</b> (Antares)</p> <p>Catalog Objects: <a href="#">M-24</a>/IC-4715, NGC-6603 Imaging Window: *<b>11:31 – 03:36</b> Transit: <b>01:37   38°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Eagle Nebula(M-16)</b> Config:  C11-HD HS ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Serpens</b> Coordinates: <b>18h 18' 52"</b> <b>-13° 51' 27"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-16</a>/NGC-6611 Imaging Window: *<b>11:06 – 03:36</b> Transit: <b>01:39   43°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p><small>Eagle Nebula (M-16) Region © 2024 Starizona, LLC All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of Starizona, LLC.</small></p>
<p><b>Eagle Nebula(M-16)</b> Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Serpens</b> Coordinates: <b>18h 18' 52"</b> <b>-13° 51' 27"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-16</a>/NGC-6611 Imaging Window: *<b>11:06 – 03:36</b> Transit: <b>01:39   43°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 

# Prospective Imaging Objects – June 06 2024


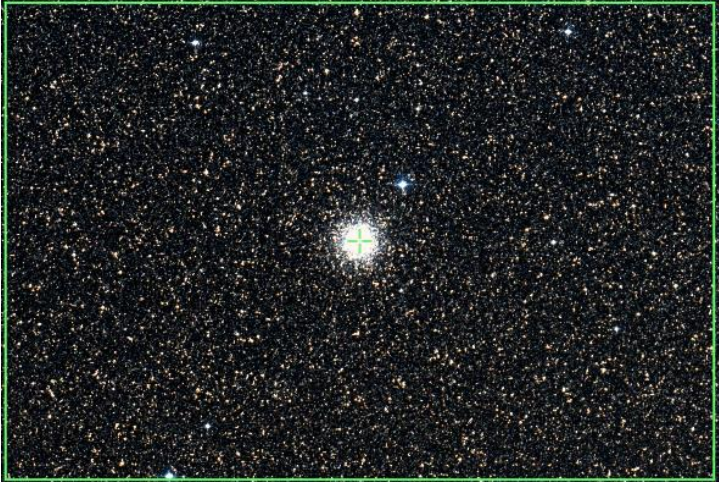
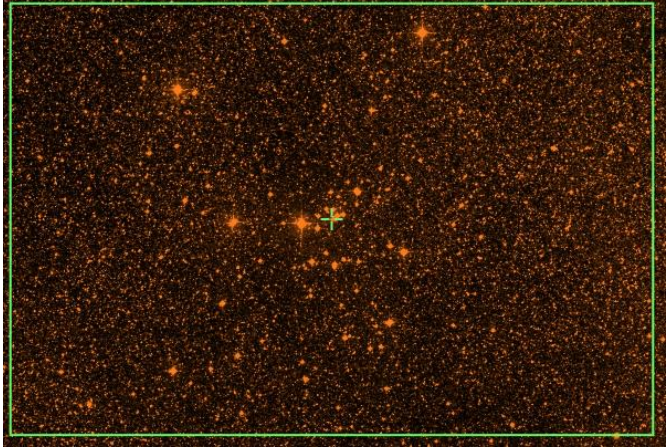
<p><b>M-18</b>(NGC-6613) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 19' 58"</b> <b>-17° 06' 06"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-18</a>/NGC-6613 Imaging Window: *<b>11:23 – 03:36</b> Transit: <b>01:40   40°</b></p>	<p><b>C-11 HD: Primary Focus</b></p> 
<p><b>Omega Nebula</b>(M-17) Config:  C11-HD HS ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 20' 44"</b> <b>-16° 07' 04"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-17</a>/NGC-6618, NGC-6618 Imaging Window: *<b>11:23 – 03:36</b> Transit: <b>01:41   40°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Omega Nebula</b>(M-17) Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 20' 44"</b> <b>-16° 07' 04"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-17</a>/NGC-6618, NGC-6618 Imaging Window: *<b>11:23 – 03:36</b> Transit: <b>01:41   40°</b></p>	<p><b>C-11 HD: <b>Focal Reducer</b></b></p> 





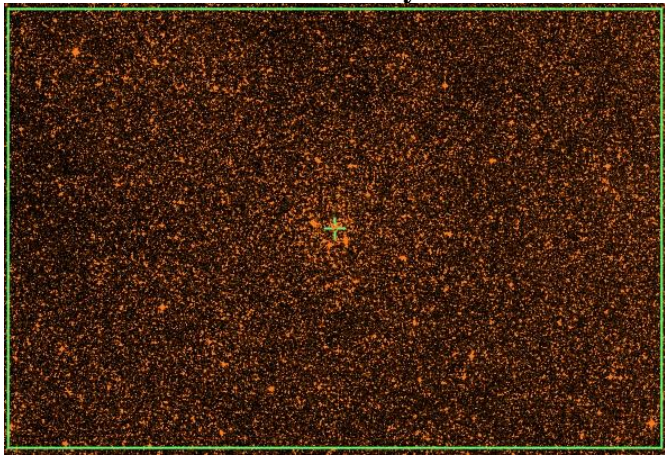
# Prospective Imaging Objects – June 06 2024

<p><b>Omega Nebula(M-17)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 20' 44"</b> <b>-16° 07' 04"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-17</a>/NGC-6618, NGC-6618 Imaging Window: *<b>11:23 – 03:36</b> Transit: <b>01:41   40°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">Omega Nebula (M-17) Emission Nebula in Sagittarius</p> <p style="font-size: x-small; text-align: right;">James Voder 2018.07.31 C11 HD 2000 F6T (00128) 3000px x 3000px</p>
<p><b>M-28(NGC-6626)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 24' 33"</b> <b>-24° 52' 10"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-28</a>/NGC-6626 Imaging Window: *<b>12:42 – 02:49</b> Transit: <b>01:45   32°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-6629</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 25' 42"</b> <b>-23° 12' 08"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">NGC-6629</a> Imaging Window: *<b>02:24 – 03:10</b> Transit: <b>01:46   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small; text-align: center; color: green;">FOV 0.36 x 0.24° RA 18h 25' 42" DEC -23° 12' 08"</p>

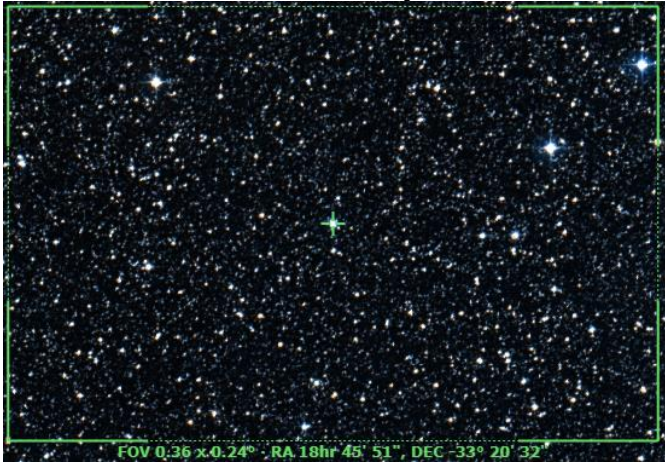
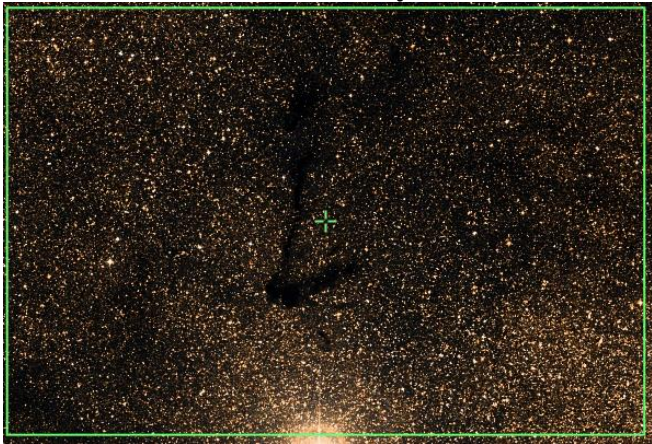

# Prospective Imaging Objects – June 06 2024

<p><b>NGC-6633</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Ophiuchus</b> Coordinates: <b>18h 27' 15"</b> <b>06° 30' 30"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">NGC-6633</a> Imaging Window: <b>11:15 – 03:36</b> Transit: <b>01:47   63°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-69</b>(<a href="#">NGC-6637</a>) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 31' 23"</b> <b>-32° 20' 51"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-69</a>/<a href="#">NGC-6637</a> Imaging Window: <b>*02:13 – 03:36</b> Transit: <b>01:51   24°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-25</b> (<a href="#">IC-4725</a>) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 31' 45"</b> <b>-19° 07' 12"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-25</a> Imaging Window: <b>*11:49 – 03:36</b> Transit: <b>01:52   37°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – June 06 2024

<p><b>M-22</b>(NGC-6656) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 36' 24"</b> <b>-23° 54' 10"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-22</a>/NGC-6656 Imaging Window: *<b>12:49 – 03:17</b> Transit: <b>01:56   33°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-70</b>(NGC-6681) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 43' 13"</b> <b>-32° 17' 29"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">M-70</a>/NGC-6681 Imaging Window: *<b>12:16 – 03:36</b> Transit: <b>02:03   24°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-26</b>(NGC-6694) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 45' 15"</b> <b>-09° 23' 06"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">M-26</a>/NGC-6694 Imaging Window: *<b>12:16 – 03:36</b> Transit: <b>02:05   47°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

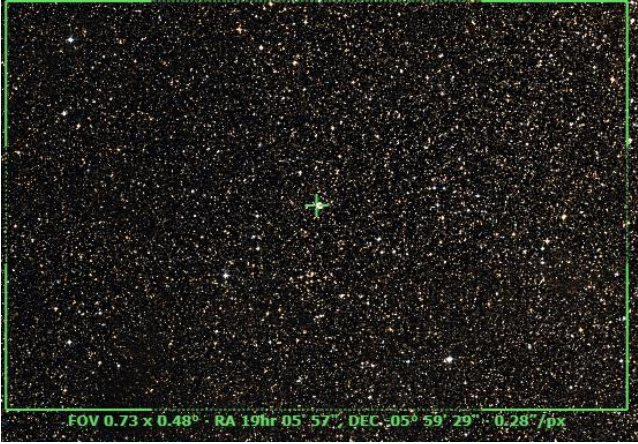
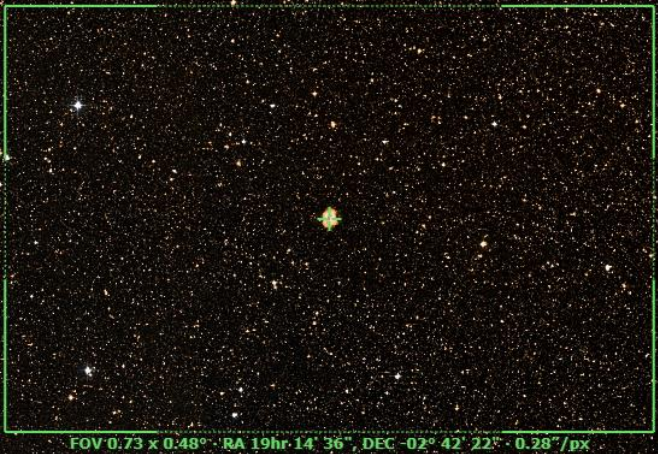

# Prospective Imaging Objects – June 06 2024

<p><b>IC-4776</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 45' 51"</b> <b>-33° 20' 32"</b></p> <p>Close Star: <b>SAO-186841</b> (Kaus Borealis) Catalog Objects: <a href="#">IC-4776</a> Imaging Window: *<b>12:34 – 03:36</b> Transit: <b>02:06   23°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>B-104(LDN-532)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Scutum</b> Coordinates: <b>18h 47' 09"</b> <b>-04° 28' 45"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">B-104</a>/LDN-532 Imaging Window: *<b>12:27 – 03:36</b> Transit: <b>02:07   52°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Wild Duck Cluster(M-11/NGC-6705)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster</b></p> <p>Constellation: <b>Scutum</b> Coordinates: <b>18h 51' 05"</b> <b>-06° 16' 12"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">M-11</a>/NGC-6705 Imaging Window: *<b>12:07 – 03:36</b> Transit: <b>02:11   50°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 


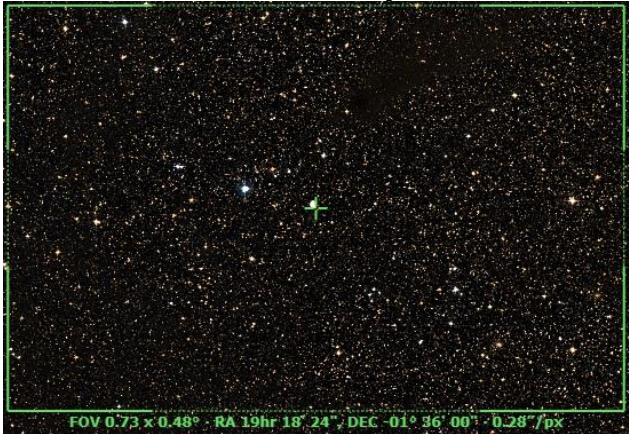

# Prospective Imaging Objects – June 06 2024

<p><b>Ring Nebula</b>(M-57/NGC-6720) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Lyra</b> Coordinates: <b>18h 53' 35"</b> <b>33° 01' 46"</b></p> <p>Close Star: <b>SAO-67174</b> (Vega) Catalog Objects: <a href="#">M-57</a>/NGC-6720 Imaging Window: <b>10:40 – 03:36</b> Transit: <b>02:13   90°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small;">M-057 The Ring Nebula James Voder- 2017.05.24</p>
<p><b>M-54</b> (NGC-6715) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>18h 55' 03"</b> <b>-30° 28' 39"</b></p> <p>Close Star: <b>SAO-187448</b> (Nunki) Catalog Objects: <a href="#">M-54</a>/NGC-6715 Imaging Window: *<b>12:13 – 03:36</b> Transit: <b>02:15   26°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small;">Globular Cluster M-54 (NGC-6715) Coordinates: Sagittarius SAO-187448 (Nunki) - 03h 52' 00" RA x 04° 21' 00" DEC Observation: 05h 15' 00" RA x 04° 21' 00" DEC James Voder - Dec 2017.05.24 - Lyra: Center, 0.28" x 0.28" (C-11 HD) - ZWO6200MC (C-11 HD) - Exposure: 12000px (Gain: 200) - 0001 - 0001</p>
<p><b>Abell 50</b> (NGC-6742) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Draco</b> Coordinates: <b>21h 00' 33"</b> <b>54° 32' 38"</b></p> <p>Close Star: <b>SAO-046872</b> (Iota Her) Catalog Objects: <a href="#">NGC-6742</a> Imaging Window: <b>10:33 – 03:36</b> Transit: <b>02:19   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: x-small;">FOV 0.73 x 0.48" - RA 21hr 00' 33", DEC 54° 32' 38" - 0.28"/px</p>




# Prospective Imaging Objects – June 06 2024

<p><b>NGC-6751</b> (PK 29-5.1) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 05' 57"</b> <b>-05° 59' 29"</b></p> <p>Close Star: <b>SAO-142931</b> (i Aquilae) Catalog Objects: <a href="#">NGC-6751</a> Imaging Window: *<b>12:16 – 03:36</b> Transit: <b>02:26   51°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-6772</b> (PK 33-6.1) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 14' 36"</b> <b>-02° 42' 22"</b></p> <p>Close Star: <b>SAO-142931</b> (i Aquilae) Catalog Objects: <a href="#">NGC-6772</a> Imaging Window: *<b>12:10 – 03:36</b> Transit: <b>02:34   54°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Barnard's Black Lizard</b> (B-138) Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 15' 59"</b> <b>00° 13' 00"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">B-138</a> Imaging Window: <b>12:25 – 03:36</b> Transit: <b>02:34   58°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 

# Prospective Imaging Objects – June 06 2024


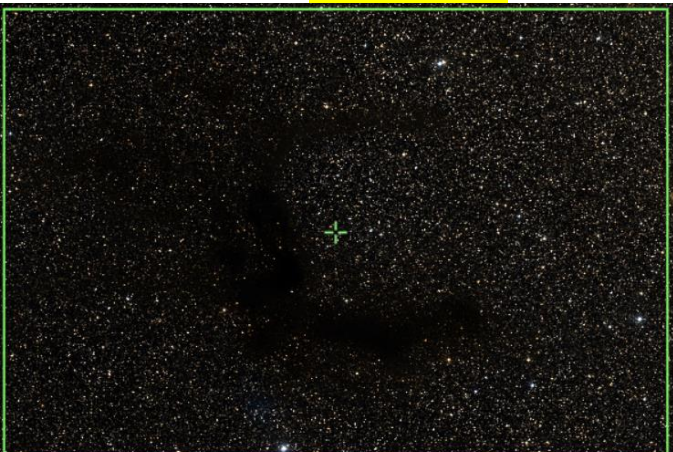

<p><b>M-56</b> (NGC-6779) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Lyra</b> Coordinates: <b>19h 16' 35"</b> <b>30° 11' 07"</b></p> <p>Close Star: <b>SAO-67663</b> (Sulafat) Catalog Objects: <a href="#">M-56</a>/NGC-6779 Imaging Window: <b>11:07 – 03:36</b> Transit: <b>02:36</b>   <b>87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-6778</b> (PK 34-6.1) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 18' 24"</b> <b>-01° 36' 00"</b></p> <p>Close Star: <b>SAO-124068</b> (Alya) Catalog Objects: <a href="#">NGC-6778</a>/PK 34-6.1 Imaging Window: <b>12:42 – 03:36</b> Transit: <b>02:38</b>   <b>55°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-6781</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 18' 28"</b> <b>06° 32' 25"</b></p> <p>Close Star: <b>SAO-125122</b> (Altar) Catalog Objects: <a href="#">NGC-6781</a>/PK 41-2.1 Imaging Window: <b>12:06 – 03:36</b> Transit: <b>02:38</b>   <b>63°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – June 06 2024


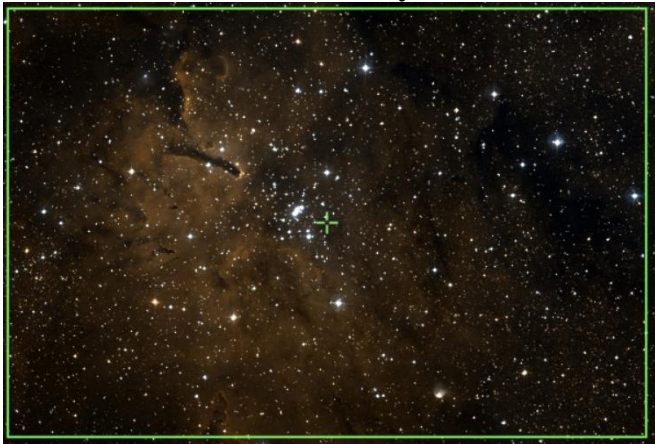
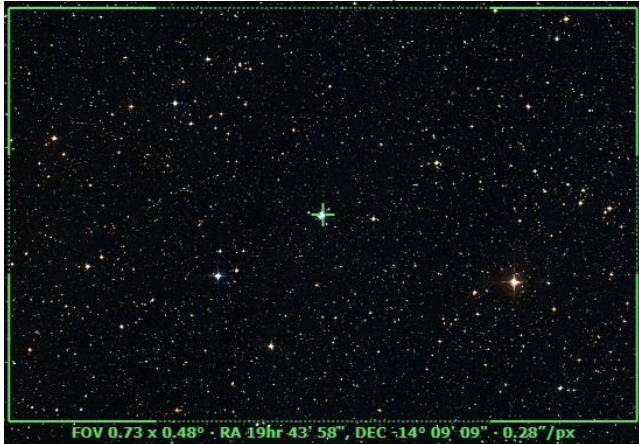
<p><b>LDN-673</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Aquila</b>            Coordinates:  <b>19h 18' 14"</b>  <b>11° 15' 40"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">LDN-673</a>            Imaging Window: <b>11:53 – 03:36</b>            Transit: <b>02:41   68°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 
<p><b>Lot Ness Monster (LDN-772)</b>            Config: C11-HD   HS   ZWO6200MC</p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Vulpecula</b>            Coordinates:  <b>19h 26' 46"</b>  <b>23° 08' 59"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">LDN-772</a>            Imaging Window: <b>11:28 – 03:36</b>            Transit: <b>02:45   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p>  <p style="font-size: small;">Lot Ness Monster (LDN-772)            Constellation: Vulpecula            RA = 19h 26m 46s DEC = 23deg 08' 59" Size = 1.72 x 2.14 deg (Observation: 300deg E of N, FWHM scale = 2.28 arcsecond, F1-Filter)</p>
<p><b>NGC6804</b>            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b>            Coordinates:  <b>19h 31' 35"</b>  <b>09° 13' 33"</b></p> <p>Close Star: <b>SAO-104728</b> (Omega Aq)            Catalog Objects: <a href="#">NGC-6826</a>            Imaging Window: <b>11:18 – 03:36</b>            Transit: <b>03:05   66°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">FOV 0.73 x 0.48° RA 19hr 31' 35", DEC 09° 13' 33" - 0.28"/px</p>



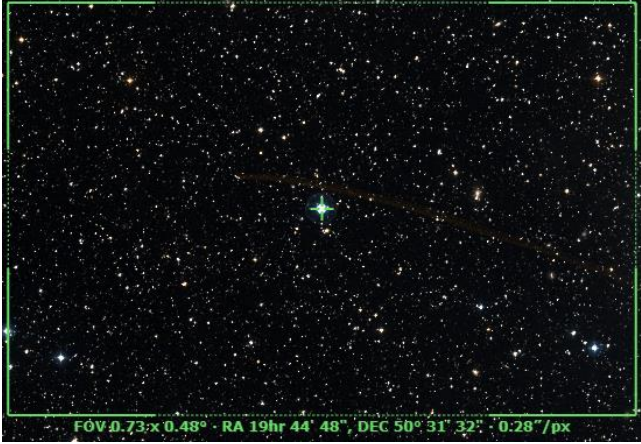


# Prospective Imaging Objects – June 06 2024

<p><b>M-55</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>19h 39' 59"</b> <b>-30° 57' 42"</b></p> <p>Close Star: <b>SAO-191524</b> (Formalhaut) Catalog Objects: <a href="#">M-55</a>/NGC-6809 Imaging Window: *<b>01:07 – 03:36</b> Transit: <b>03:00</b>   <b>26°</b></p>	<p><b>C-11 HD: Primary Focus</b></p>  <p>A wide-field image of the globular cluster M-55, showing a dense concentration of stars in a spherical shape. A green crosshair is centered on the cluster.</p>
<p><b>Barnard's E (B-143)</b> Config:  C11-HD <b>FR</b> ZWO6200MC </p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Aquila</b> Coordinates: <b>19h 40' 47"</b> <b>11° 01' 12"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">B-143</a>/LDN-694 Imaging Window: <b>12:14 – 03:36</b> Transit: <b>03:01</b>   <b>67°</b></p>	<p><b>C-11 HD: Focal Reducer</b></p>  <p>A wide-field image of Barnard's E dark nebula, showing a large, dark, irregularly shaped region of interstellar dust against a starry background. A green crosshair is centered on the nebula.</p>
<p><b>NGC-6820 (LDN-772)</b> Config: <b>C11-HD</b>   <b>HS</b>   <b>ZWO6200MC</b></p> <p>Type: <b>Open Cluster &amp; Nebula</b></p> <p>Constellation: <b>Vulpecula</b> Coordinates: <b>19h 43' 37"</b> <b>23° 19' 29"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">NGC-6820</a> Imaging Window: <b>11:46 – 03:36</b> Transit: <b>03:02</b>   <b>80°</b></p>	<p><b>C-11 HD: HyperStar v4</b></p>  <p>A wide-field image of the open cluster NGC-6820, showing a collection of stars of various colors and sizes. A green crosshair is centered on the cluster.</p>

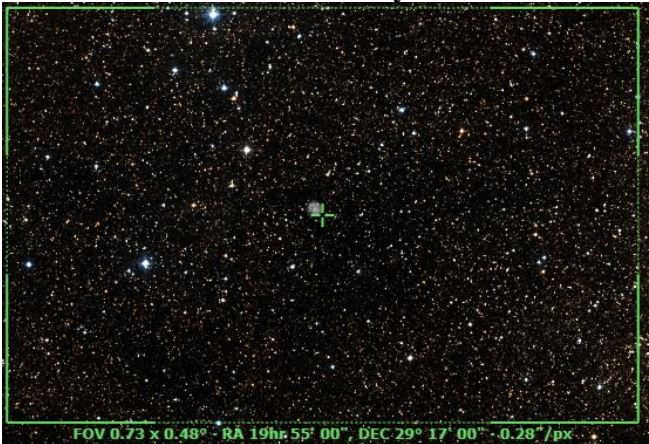
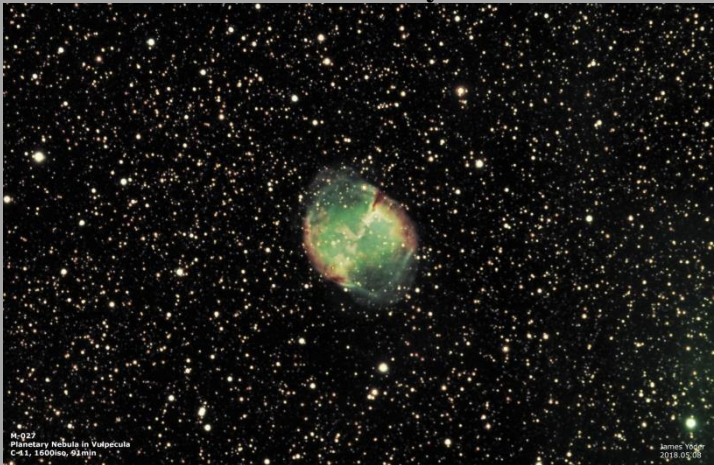
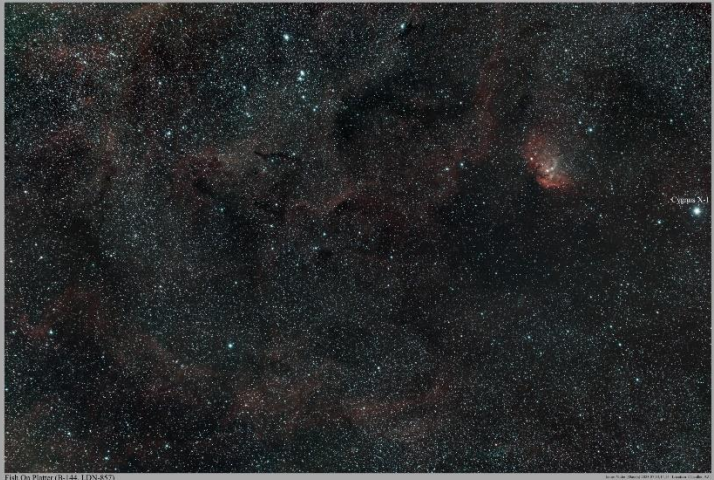
# Prospective Imaging Objects – June 06 2024

<p><b>The Finger</b> (NGC-6820)            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Open Cluster &amp; Nebula</b></p> <p>Constellation: <b>Vulpecula</b>            Coordinates:  <b>19h 42' 56"</b>  <b>23° 18' 43"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">NGC-6820</a>            Imaging Window: <b>11:46 – 03:36</b>            Transit: <b>03:02   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>The Finger</b> (NGC-6820)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Open Cluster &amp; Nebula</b></p> <p>Constellation: <b>Vulpecula</b>            Coordinates:  <b>19h 43' 01"</b>  <b>23° 17' 12"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">NGC-6820</a>            Imaging Window: <b>11:46 – 03:36</b>            Transit: <b>03:02   80°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Little Gem</b> (NGC-6818)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Sagittarius</b>            Coordinates:  <b>19h 43' 58"</b>  <b>-14° 09' 09"</b></p> <p>Close Star: <b>SAO-143021</b> (16 Aql)            Catalog Objects: <a href="#">NGC-6818</a>/PK 25-17.1            Imaging Window: <b>01:10 – 03:36</b>            Transit: <b>03:04   43°</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 0.48° · RA 19hr 43' 58", DEC -14° 09' 09" · 0.28"/px</p>




# Prospective Imaging Objects – June 06 2024

<p><b>Blinking Planetary</b> (NGC-6826) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Cygnus</b> Coordinates: <b>19h 44' 48"</b> <b>50° 31' 32"</b></p> <p>Close Star: <b>SAO-31815</b> (13 Cyg) Catalog Objects: <a href="#">NGC-6826</a>/NGC-6826 Imaging Window: <b>11:18 – 03:36</b> Transit: <b>03:05   73°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Barnard's Galaxy</b> (NGC 6822) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Galaxy</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>19h 44' 57"</b> <b>-14° 48' 23"</b></p> <p>Close Star: <b>SAO-191524</b> (Formalhaut) Catalog Objects: <a href="#">NGC-6822</a> Imaging Window: <b>01:13 – 03:36</b> Transit: <b>03:05   42°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>M-71</b> (NGC-6838) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagitta</b> Coordinates: <b>19h 53' 46"</b> <b>18° 46' 43"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">M-71</a>/NGC-6838 Imaging Window: <b>12:06 – 03:36</b> Transit: <b>03:14   75°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 




# Prospective Imaging Objects – June 06 2024

<p><b>NGC 6842</b> (PK 65+0.1)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Vulpecula</b>            Coordinates:  <b>19h 55' 00"</b>  <b>29° 17' 00"</b></p> <p>Close Star: <b>SAO-68637</b> (12 Cyg)            Catalog Objects: <a href="#">NGC-6842</a>/PK 65+0.1            Imaging Window: <b>11:47 – 03:36</b>            Transit: <b>03:15   86°</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 0.48° - RA 19h 55' 00", DEC 29° 17' 00" - 0.28"/px</p>
<p><b>Dumbbell Nebula</b> (M-27, NGC-6853)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Vulpecula</b>            Coordinates:  <b>19h 59' 36"</b>  <b>22° 43' 17"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">M-27</a>/NGC-6853            Imaging Window: <b>12:03 – 03:36</b>            Transit: <b>03:19   79°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Fish on the Platter</b> (B-144)            Config: C11-HD   HS    <b>ZWO6200MC</b></p> <p>Type: <b>Dark Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>20h 02' 28"</b>  <b>34° 57' 42"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">B-144</a>, SH2-101            Imaging Window: <b>11:41 – 03:36</b>            Transit: <b>03:18   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: HyperStar v4</b></p> 


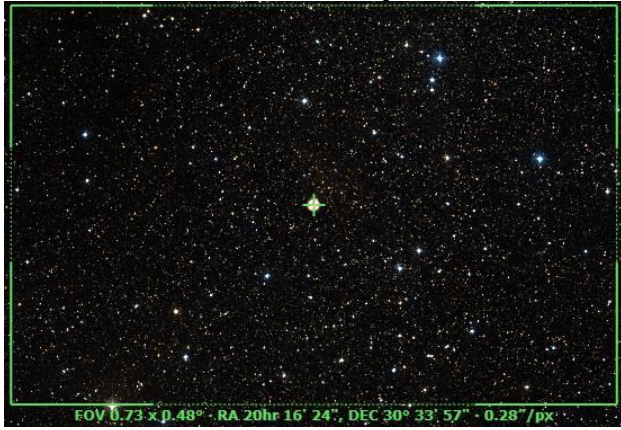
# Prospective Imaging Objects – June 06 2024

<p><b>Tulip Nebula</b> (SH2-101)            Config:  C11-HD FR ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>20h 00' 58"</b>  <b>35° 16' 30"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">SH2-101</a>            Imaging Window: <b>11:41 – 03:36</b>            Transit: <b>03:18   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Focal Reducer</b></p> 
<p><b>Tulip Nebula</b> (SH2-101)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cygnus</b>            Coordinates:  <b>20h 00' 57"</b>  <b>35° 20' 11"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair)            Catalog Objects: <a href="#">B-144</a>            Imaging Window: <b>11:41 – 03:36</b>            Transit: <b>03:18   89°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>NGC-6852</b> (PK 42-14.1)            Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Aquila</b>            Coordinates:  <b>20h 00' 39"</b>  <b>01° 43' 43"</b></p> <p>Close Star: <b>SAO-144150</b> (65 Aql)            Catalog Objects: <a href="#">NGC-6852</a>/PK 42-14.1            Imaging Window: <b>01:08 – 03:36</b>            Transit: <b>03:20   58°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 

# Prospective Imaging Objects – June 06 2024

<p><b>M-75 (NGC-6864)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Globular Cluster</b></p> <p>Constellation: <b>Sagittarius</b> Coordinates: <b>20h 06' 05"</b> <b>-21° 55' 15"</b></p> <p>Close Star: <b>SAO-191524</b> (Formalhaut) Catalog Objects: <a href="#">M-75/NGC-6864</a> Imaging Window: *<b>01:46 – 03:36</b> Transit: <b>03:26   35°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Crescent Nebula (NGC-6888)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cygnus</b> Coordinates: <b>20h 12' 06"</b> <b>38° 21' 00"</b></p> <p>Close Star: <b>SAO-125122</b> (Altair) Catalog Objects: <a href="#">NGC-6888/Sh2-105</a> Imaging Window: <b>11:52 – 03:36</b> Transit: <b>03:32   85°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p> 
<p><b>Propeller Nebula (DWB-111)</b> Config:  C11HD ZWO6200MC </p> <p>Type: <b>Diffuse Nebula</b></p> <p>Constellation: <b>Cygnus</b> Coordinates: <b>20h 16' 09"</b> <b>43° 41' 47"</b> Close Ref Object: <a href="#">LDN 891</a> Close Star: <b>SAO-048796</b> (Al Fawaris) Catalog Objects: Simeis-57/DWB-111 Imaging Window: <b>11:48 – 03:36</b> Transit: <b>03:31   79°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p style="font-size: small; text-align: center;">Propeller Nebula (DWB 111) Constellation: Cygnus the Swan</p> <p style="font-size: x-small; text-align: right;">June 2024 2024 05 22 Config:  C11  Starizona LP Camera   Astrocam 6.3 &amp; C11   QHY 178M Equipment: 2.5" Astrocam   QHY 178M   Optics 180</p>

# Prospective Imaging Objects – June 06 2024

<p><b>NGC 6891</b> (PK 54-12.1) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Delphinus</b> Coordinates: <b>20h 15' 09"</b> <b>12° 42' 17"</b></p> <p>Close Star: <b>SAO-106230</b> (2 Del) Catalog Objects: <a href="#">NGC-6991</a> Imaging Window: <b>12:43 – 03:36</b> Transit: <b>03:35   77°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p>FOV 0.73 x 0.48° · RA 20hr 15' 09", DEC 12° 42' 17" · 0.28"/px</p>
<p><b>NGC-6894</b> (PK 69-2.1) Config:  C11HD ZWO6200MC </p> <p>Type: <b>Planetary Nebula</b></p> <p>Constellation: <b>Cygnus</b> Coordinates: <b>20h 16' 24"</b> <b>30° 33' 57"</b></p> <p>Close Star: <b>SAO-71070</b> (64 Cyg) Catalog Objects: <a href="#">NGC-6994</a> Imaging Window: <b>12:06 – 03:36</b> Transit: <b>03:36   87°</b></p>	<p style="text-align: center;"><b>C-11 HD: Primary Focus</b></p>  <p>FOV 0.73 x 0.48° · RA 20hr 16' 24", DEC 30° 33' 57" · 0.28"/px</p>

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# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### HyperStar: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Nebula	Nebula	SH2-1	*09:30-01:13	11:19	05	Scorpius: Diffuse Nebula
HyperStar	Nebula	Nebula	IC-4592	*09:37-01:25	11:33	07	Scorpius: Blue Horsehead Nebula
HyperStar	Nebula	Nebula	IC-4604	*09:34-02:04	11:46	08	Scorpius: Ophiuchus Complex
HyperStar	Nebula	Nebula	M-8	*11:23-03:28	01:24	18	
HyperStar	Nebula	Nebula	M-16	*11:06-03:36	01:39	22	Serpens: Eagle Nebula
HyperStar	Nebula	Nebula	M-17	*11:23-03:36	01:41	23	Sagittarius: Omega Nebula
HyperStar	Nebula	Nebula	NGC-6820	11:46 – 03:36	03:02	33	Vulpecula: Open Cluster & Nebula
HyperStar	Nebula	Nebula	B-144	11:41 – 03:36	03:18	36	Cygnus: Fish on the Platter Region

### HyperStar: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Broad Spectrum	DN, GC	M-62 Region	*11:16-01:23	12:21	10	Ophiuchus: Globular Cluster and Dark Nebula
HyperStar	Broad Spectrum	DN	LDN-42	*11:03-02:49	12:52	13	Comp4! Ophiuchus: Dark Horse Nebula
HyperStar	Broad Spectrum	DN	LDN-1773	*11:03-02:22	12:40	13	Ophiuchus: Pipe Nebula
HyperStar	Broad Spectrum	DN	B-72	*10:34-02:53	12:44	14	Ophiuchus: Snake Nebula
HyperStar	Broad Spectrum	DN	IC-1283	*11:41-03:36	01:37	21	Comp2! Sagittarius: IC-1283 Region
HyperStar	Broad Spectrum	DN	B-138	12:25 – 03:36	02:34	30	Aquila: Barnard's Black Lizard
HyperStar	Broad Spectrum	DN	LDN-673	11:53 – 03:36	02:41	31	Aquila: Dark Nebula Area
HyperStar	Broad Spectrum	DN	LDN-772	11:28 – 03:36	02:45	31	Vulpecula: Lot Ness Monster

# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### Focal Reducer: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Nebula	Nebula	SH2-9	09:48 – 01:38	11:42	07	Scorpius: Nebula next to Antares
Focal Reducer	Nebula	Nebula	M-20	*11:06-03:39	01:23	18	Sagittarius: Trifid Nebula
Focal Reducer	Nebula	Nebula	M-8	*11:23-01:24	01:24	19	Sagittarius: Lagoon Nebula
Focal Reducer	Nebula	Nebula	IC-4685	*11:28-03:36	01:31	20	Rotation 90: Sagittarius: DN and Emission Nebula
Focal Reducer	Nebula	Nebula	IC-1274	*11:28-03:36	01:31	20	Sagittarius: Bright and Dark Nebula
Focal Reducer	Nebula	Nebula	M-16	*11:06-03:36	01:39	23	Serpens: Eagle Nebula
Focal Reducer	Nebula	Nebula	M-17	*11:23-03:36	01:41	24	Sagittarius: Omega Nebula
Focal Reducer	Nebula	Nebula	NGC-6820	11:46 – 03:36	03:02	33	Vulpecula: The Finger
Focal Reducer	Nebula	Nebula	SH2-101	11:41 – 03:36	03:18	36	Cygnus: Tulip Nebula

### Focal Reducer: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Broad Spectrum	DN, GC	M-9	*10:37-02:49	12:39	12	Ophiuchus: Globular Cluster and Dark Nebula
Focal Reducer	Broad Spectrum	DN	LDN-1773	*11:03-02:22	12:40	14	Ophiuchus: Pipe Nebula
Focal Reducer	Broad Spectrum	DN	B-72	*10:34-02:53	12:44	14	Ophiuchus: Snake Nebula
Focal Reducer	Broad Spectrum	DN	B-75	*10:26-03:10	12:45	15	Ophiuchus: Barnard 75
Focal Reducer	Broad Spectrum	OC, DN	M-24	*11:31-03:36	01:37	22	Sagittarius: Sagittarius Star Cloud
Focal Reducer	Broad Spectrum	DN	B-143	12:14 – 03:36	03:01	32	Aquila: Barnard's E

# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### Primary Focus: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	PN	NGC-6058	09:17 – 03:14	11:25	06	Hercules: Small PN
Primary Focus	Nebula	PN	IC-4593	09:17 – 02:29	11:32	06	Hercules: White Eyed Pea
Primary Focus	Nebula	PN	Abell-39	09:17 – 03:20	11:48	08	Hercules: Perfect Planetary PK 47+42.1
Primary Focus	Nebula	PN	NGC-6210	09:17 – 03:30	12:05	09	Hercules: Small PN Turtle Nebula
Primary Focus	Nebula	PN	NGC-6309	*10:34-02:38	12:34	11	Hercules: Box Nebula
Primary Focus	Nebula	PN	NGC-6359	*10:40-03:01	12:49	15	Ophiuchus: Little Ghost
Primary Focus	Nebula	PN	NGC-6445	*11:16-03:10	01:09	16	Sagittarius: Box Nebula
Primary Focus	Nebula	PN	NGC-6543	09:54 – 03:36	01:19	17	Draco: Cat's Eye Nebula
Primary Focus	Nebula	Nebula	M-20	*11:06-03:39	01:23	18	Sagittarius: Trifid Nebula
Primary Focus	Nebula	Nebula	M-8	*11:23-03:28	01:24	19	Sagittarius: Lagoon Nebula
Primary Focus	Nebula	PN	NGC-6572	10:59 – 03:36	01:32	20	Ophiuchus: Emerald Nebula
Primary Focus	Nebula	Nebula	IC-1283	*11:41-03:36	01:37	22	Sagittarius: Nebula region NGC-6589
Primary Focus	Nebula	Nebula	M-17	*11:23-03:36	01:41	24	Sagittarius: Omega Nebula
Primary Focus	Nebula	PN	NGC-6629	*02:24-03:10	01:46	25	Sagittarius: Sm Planetary Nebula
Primary Focus	Nebula	PN	IC-4776	*12:34-03:36	02:06	27	Sagittarius: Sm Planetary Nebula
Primary Focus	Nebula	PN	M-57	10:40 – 03:36	02:18	28	Lyra: Ring Nebula
Primary Focus	Nebula	PN	Abell-50	10:33 – 03:36	02:19	29	Draco: Med Planetary Nebula
Primary Focus	Nebula	PN	NGC-6751	*12:16-03:36	02:26	29	Aquila: Small Planetary Nebula
Primary Focus	Nebula	PN	NGC-6772	*12:10-03:36	02:34	29	Aquila: Med Planetary Nebula
Primary Focus	Nebula	PN	NGC-6778	12:42 – 03:36	02:38	30	Aquila: Small Planetary Nebula
Primary Focus	Nebula	PN	NGC-6781	12:06 – 03:36	02:38	31	Aquila: Med Planetary Nebula
Primary Focus	Nebula	PN	NGC-6804	11:18 – 03:36	03:05	32	Aquila: Small Planetary Nebula
Primary Focus	Nebula	Nebula	NGCC-6820	11:46 – 03:36	03:02	33	Vulpecula: The Finger
Primary Focus	Nebula	PN	NGC-6818	01:10 – 03:36	03:04	34	Sagittarius: Little Gem

## Prospective Imaging Objects – June 06 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	PN	NGC-6826	11:18 – 03:36	03:05	34	Cygnus: Blinking Planetary
Primary Focus	Nebula	PN	NGC-6842	11:47 – 03:36	03:15	35	Vulpecula: Sm-Med Planetary Nebula
Primary Focus	Nebula	PN	M-27	12:03 – 03:36	03:19	35	Vulpecula: Dumbbell Nebula
Primary Focus	Nebula	Nebula	SH2-101	11:41 – 03:36	03:18	36	Cygnus: Tulip Nebula
Primary Focus	Nebula	PN	NGC-6852	01:08 – 03:36	03:20	37	Aquila: Small Planetary Nebula
Primary Focus	Nebula	Nebula	NGC-6888	11:52 – 03:36	03:32	37	Cygnus: Crescent Nebula
Primary Focus	Nebula	Nebula	DWB-111	11:48 – 03:36	03:31	38	Cygnus: Propeller Nebula
Primary Focus	Nebula	PN	NGC-6891	12:43 – 03:36	03:35	38	Delphinus: Small Planetary Nebula
Primary Focus	Nebula	PN	NGC-5894	12:06 – 0-3:36	03:36	38	Cygnus: Sm-Med Planetary Nebula

# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### Primary Focus: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	Galaxy	M-3	09:17 – 12:36	09:03	02	Canes Venatici: Large Globular
Primary Focus	Broad Spectrum	Galaxy	NGC-5395	09:17 – 01:05	09:19	02	Canes Venatici: Heron Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-101	09:17 – 01:17	09:24	02	Ursa Major: Pinwheel Galaxy
Primary Focus	Broad Spectrum	Globular	NGC-5466	09:17 – 12:59	09:26	03	Bootes: Large open globular
Primary Focus	Broad Spectrum	Galaxy	M-102	09:17 – 02:19	10:27	03	Draco: Spindle Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-5905, 5908	09:17 – 02:28	10:36	03	Draco: Face on and Edge on galaxy pair
Primary Focus	Broad Spectrum	Galaxy	NGC-5907	09:17 – 02:28	10:36	04	Draco: Splinter Galaxy
Primary Focus	Broad Spectrum	Globular	M-5	09:17 – 01:00	10:39	04	Serpens: Med Globular
Primary Focus	Broad Spectrum	Galaxies	NGC-5985, 81, 82	09:17 – 02:49	11:00	04	Draco: Draco Trio of galaxies
Primary Focus	Broad Spectrum	Galaxies	NGC-6027A-E	09:17 – 02:38	11:20	05	Serpens: Seyfert's Sextet
Primary Focus	Broad Spectrum	Galaxies	Abell-2151	09:17 – 02:37	11:26	05	Hercules: Hercules Galaxy Cluster
Primary Focus	Broad Spectrum	Galaxy	Arp-188	09:17 – 03:19	11:26	06	Draco: Tadpole Galaxy
Primary Focus	Broad Spectrum	Globular	M-80	*09:26-02:00	11:37	07	Scorpius: Med Globular NGC-6093
Primary Focus	Broad Spectrum	Globular	M-4	*09:55-01:34	11:44	08	Scorpius: Large Globular Cluster NGC-6121
Primary Focus	Broad Spectrum	Globular	M-107	*09:48-01:57	11:53	09	Ophiuchus: Med Globular NGC-6171
Primary Focus	Broad Spectrum	Globular	M-13	09:17 – 03:30	12:05	09	Hercules: The Great Hercules Globular NGC-5205
Primary Focus	Broad Spectrum	Globular	M-12	10:12 – 02:09	12:07	10	Ophiuchus: Large Globular NGC-6218
Primary Focus	Broad Spectrum	Globular	M-10	10:35 – 02:06	12:17	10	Ophiuchus: Large Globular NGC-6254
Primary Focus	Broad Spectrum	Globular	M-62	*11:16-01:23	12:21	11	Ophiuchus: Large Globular NGC-6266
Primary Focus	Broad Spectrum	Globular	M-19	*10:37-02:15	12:23	11	Ophiuchus: Med Globular NGC-6273
Primary Focus	Broad Spectrum	Globular	M-92	09:17 – 03:36	12:37	12	Hercules: Med Globular NGC-6341
Primary Focus	Broad Spectrum	Globular	M-9	*10:37-02:49	12:39	12	Ophiuchus: Med Globular NGC-6333
Primary Focus	Broad Spectrum	Globular	M-14	11:10 – 02:52	12:58	15	Ophiuchus: Med Globular NGC-6402

## Prospective Imaging Objects – June 06 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	OC	M-6	*11:16-02:46	01:00	16	Scorpius: Butterfly Cluster
Primary Focus	Broad Spectrum	DN	B-84	*11:19-03:04	01:07	16	Sagittarius: Praying Matis Nebula
Primary Focus	Broad Spectrum	OC	M-7	*12:03-02:15	01:14	17	Scorpius: Ptolemy Cluster
Primary Focus	Broad Spectrum	OC	M-23	*11:19-03:25	01:17	17	Sagittarius: Open Cluster NGC-6494
Primary Focus	Broad Spectrum	OC	M-21	*12:00-03:04	01:24	19	Sagittarius: Open Cluster NGC-6531
Primary Focus	Broad Spectrum	DN	B-93	*11:31-03:36	01:37	21	Sagittarius: Dark Nebula LDN-327
Primary Focus	Broad Spectrum	OC	M-18	*11:23-03:36	01:40	23	Sagittarius: Open Cluster NGC-66133
Primary Focus	Broad Spectrum	GC	M-28	*12:42-02:49	01:45	24	Sagittarius: Med Globular NGC-6626
Primary Focus	Broad Spectrum	OC	NGC-6633	11:15 – 03:36	01:47	25	Ophiuchus: Open Cluster NGC-6633
Primary Focus	Broad Spectrum	GC	M-69	*02:13-03:36	01:51	25	Sagittarius: Med Globular NGC-6637
Primary Focus	Broad Spectrum	OC	M-25	*11:49-03:36	01:52	26	Sagittarius: Open Cluster IC-4725
Primary Focus	Broad Spectrum	GC	M-22	*12:49-03:17	01:56	26	Sagittarius: Med Globular NGC-6656
Primary Focus	Broad Spectrum	GC	M-70	*12:16-03:36	02:03	26	Sagittarius: Sm Globular NGC-6681
Primary Focus	Broad Spectrum	OC	M-26	*12:16-03:36	02:05	27	Sagittarius: Open Cluster NGC-6694
Primary Focus	Broad Spectrum	DN	B-104	*12:27-03:36	02:07	27	Scutum: Check mark
Primary Focus	Broad Spectrum	OC	M-11	*12:07-03:36	02:11	28	Scutum: Wild Duck Cluster
Primary Focus	Broad Spectrum	GC	M-54	*12:13-03:36	02:15	28	Sagittarius: Med Globular
Primary Focus	Broad Spectrum	GC	M-56	01:07 – 03:36	02:36	30	Lyra: Med Globular
Primary Focus	Broad Spectrum	GC	M-55	*01:07-03:36	03:00	32	Sagittarius: Large Globular
Primary Focus	Broad Spectrum	Galaxy	NGC-6822	01:13 – 03:36	03:05	34	Sagittarius: Large Galaxy
Primary Focus	Broad Spectrum	GC	M-71	12:06 – 03:36	03:14	35	Sagitta: Med Globular
Primary Focus	Broad Spectrum	GC	M-75	*01:46-03:36	03:26	37	Sagittarius: Med Globular

# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### Primary Prospects

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	HyperStar	Nebula	Nebula	SH2-1	*09:30-01:13	11:19	05	Scorpius: Blue Nebula
	HyperStar	Broadband	DN, GC	M-62 Region	*11:16-01:23	12:21	10	Ophiuchus: M-62 Region
	HyperStar	Broadband	DN	LDN-42	*11:03-02:49	12:52	13	Comp4! Ophiuchus: Dark Horse Nebula
	HyperStar	Broadband	DN	B-72	*10:34-02:53	12:44	14	Ophiuchus: Snake Nebula
	HyperStar	Broadband	DN	IC-1283	*11:41-03:36	01:37	21	Comp2! Sagittarius: DNebraska NGC-6589
	HyperStar	Nebula	Nebula	M-17	*11:23-03:36	01:41	23	Sagittarius: Omega Nebula
	HyperStar	Broadband	DN	B-138	12:25 – 03:36	02:34	30	Aquila: Barnard's Black Lizard
	HyperStar	Broadband	DN	LDN-673	11:53 – 03:36	02:41	31	Aquila: Dark Nebula
	HyperStar	Nebula	Nebula	NGC-6820	11:46 – 03:36	03:02	33	Vulpecula: Nebula Region
	Focal Reducer	Nebula	Nebula	SH2-9	09:48 – 01:38	11:42	07	Scorpius: Diffuse Nebula near star
	Focal Reducer	Broadband	DN & GC	M-9	*10:37-02:49	12:39	12	Ophiuchus: Dark Nebula and Globular
	Focal Reducer	Broadband	DN	LDN-1773	*11:03-02:22	12:40	14	Ophiuchus: Pipe Nebula
	Focal Reducer	Broadband	DN	B-75	*10:26-03:10	12:45	15	Ophiuchus: Barnard 75
	Focal Reducer	Nebula	Nebula	M-20	*11:06-03:39	01:23	18	Sagittarius: Trifid Nebula
	Focal Reducer	Nebula	Nebula	M-8	*11:23-03:28	01:24	19	Sagittarius: Lagoon Nebula
	Focal Reducer	Nebula	Neb, DN	IC-4685	*11:28-03:36	01:31	20	Rot90 Sagittarius: Bright and Dark nebula
	Focal Reducer	Broadband	Broadband	M-24	*11:31-03:36	01:37	22	Sagittarius: Sagittarius Star Cloud
	Focal Reducer	Nebula	Nebula	M-16	*11:06-03:36	01:39	23	Serpens: Eagle Nebula
	Focal Reducer	Nebula	Nebula	M-17	*11:23-03:36	01:41	24	Sagittarius: Omega Nebula
	Focal Reducer	Broadband	DN	B-143	12:14 – 03:36	03:01	32	Aquila: Barnard's E
	Focal Reducer	Nebula	Nebula	SH2-101	11:41 – 03:36	03:18	36	Cygnus: Tulip Nebula

# Prospective Imaging Objects – June 06 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Primary Focus	Broadband	Galaxies	NGC-5395 Et. El.	09:17 – 01:05	09:19	02	Canes Venatici: Heron Galaxy Et. El.
	Primary Focus	Nebula	PN	NGC-6058	09:17 – 03:14	11:25	06	Hercules: Small Planetary nebula
	Primary Focus	Broadband	GC	M-107	*09:48-01:57	11:53	09	Ophiuchus: Med Globular
	Primary Focus	Broadband	GC	M-10	10:35 – 02:06	12:17	10	Ophiuchus: Large Globular
	Primary Focus	Broadband	GC	M-62	*11:16-01:23	12:21	11	Ophiuchus: Large Globular
	Primary Focus	Broadband	GC	M-19	*10:37-02:15	12:23	11	Ophiuchus: Large Globular
	Primary Focus	Nebula	PN	NGC-6309	*10:34-02:38	12:34	11	Hercules: Box Nebula
	Primary Focus	Nebula	PN	NGC-6359	*10:40-03:01	12:49	15	Ophiuchus: Little Ghost
	Primary Focus	Broadband	GC	M-14	11:10 – 02:52	12:58	15	Ophiuchus: Med Globular NGC-6402
	Primary Focus	Broadband	OC	M-6	*11:16-02:46	01:00	16	Scorpius: Butterfly Cluster
	Primary Focus	Broadband	OC	M-7	*12:03-02:15	01:14	17	Scorpius: Ptolemy Cluster
	Primary Focus	Nebula	Nebula	M-8	*11:23-03:28	01:24	19	Sagittarius: Lagoon Nebula
	Primary Focus	Broadband	DN	B-93	*11:31-03:36	01:37	21	Sagittarius: Dark Nebula LDN-327
	Primary Focus	Nebula	Nebula	IC-1283	*11:41-03:36	01:37	22	Sagittarius: Diffuse Nebula NGC-6589
	Primary Focus	Broadband	GC	M-28	*12:42-02:49	01:45	24	Sagittarius: Med GC NGC-6626
	Primary Focus	Nebula	PN	NGC-6629	*02:24-03:10	01:46	25	Sagittarius: Small PN
	Primary Focus	Broadband	GC	M-69	*02:13-03:36	01:51	25	Sagittarius: Sm-Med Globular NGC-6637
	Primary Focus	Broadband	GC	M-70	*12:16-03:36	02:03	26	Sagittarius: Sm/Med Globular NGC-6681
	Primary Focus	Nebula	PN	IC-4776	*12:24-03:36	02:06	27	Sagittarius: Small PN
	Primary Focus	Broadband	DN	B-104	*12:37-03:36	02:07	27	Scutum: Checkmark DN
	Primary Focus	Broadband	OC	M-11	*12:07-03:36	02:11	28	Scutum: Wild Duck Cluster
	Primary Focus	Nebula	PN	Abell-50	10:33-03:36	02:19	29	Draco: Med Planetary Nebula
	Primary Focus	Nebula	PN	NGC-6751	*12:16-03:36	02:26	29	Aquila: Small Planetary Nebula
	Primary Focus	Nebula	PN	NGC-6772	*12:10-03:36	02:34	29	Aquila: Med Planetary Nebula
	Primary Focus	Broadband	GC	M-56	11:07 – 03:36	02:36	30	Lyra: Med Globular
	Primary Focus	Nebula	PN	NGC-6781	12:06 – 03:36	02:38	31	Aquila: Med Planetary Nebula
	Primary Focus	Broadband	GC	M-55	*01:07-03:36	03:00	32	Sagittarius: Large Globular
	Primary Focus	Nebula	Nebula	NGC-6820	11:46 – 03:36	03:02	33	Vulpecula: The Finger



# Prospective Imaging Objects – June 06 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Primary Focus	Nebula	PN	NGC-6826	11:18 – 03:36	03:05	34	Cygnus: Blinking Planetary
	Primary Focus	Broadband	Galaxy	NGC-6822	01:13 – 03:36	03:05	34	Sagittarius: Barnard's Galaxy
	Primary Focus	Broadband	GC	M-71	12:06 – 03:36	03:14	35	Sagitta: Med Globular
	Primary Focus	Nebula	PN	NGC-68442	11:47 – 03:36	03:15	35	Vulpecula: Sm/Med Planetary Nebula
	Primary Focus	Nebula	Nebula	Sh2-101	11:41 – 03:36	03:18	36	Cygnus: Tulip Nebula
	Primary Focus	Broadband	GC	M-75	*01:46-03:26	03:26	37	Sagittarius: Med Globular
	Primary Focus	Nebula	Nebula	NGC-6888	11:52 – 03:36	03:32	37	Cygnus: Crescent Nebula
	Primary Focus	Nebula	Nebula	NGC-6894	12:06 -= 03:36	03:36	38	Cygnus: Sm/Med Planetary Nebula

# Prospective Imaging Objects – June 06 2024

## Imaging Summary June 06, 2024

Astronomical Dusk = 09:17

Astronomical Dawn = 03:36

### 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					
	Primary Focus	Broad Spectrum	Galaxy					