

Prospective Imaging Objects – April 08 2024

Astronomical Data

Sunrise	Sunset	Astronomical Dusk	Astronomical Dawn	Imaging	New Moon
06:05am	06:53 pm	08:19 pm	04:39 am	08:30	April 08

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.

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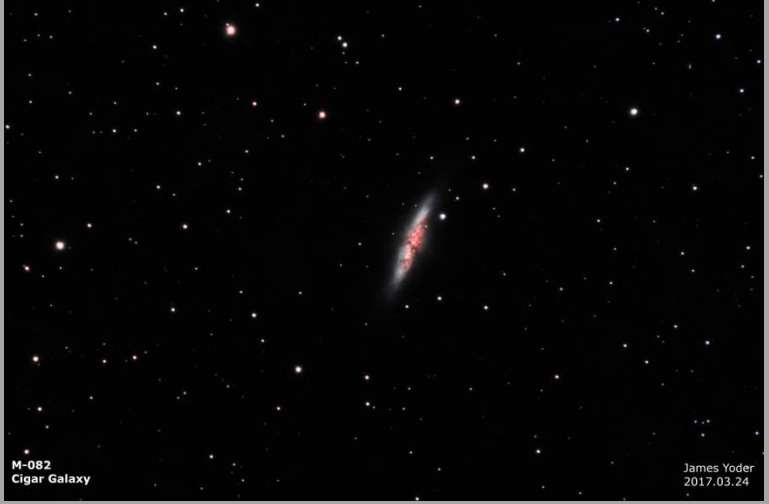


08: Transit – When the object is at the highest point in the sky for the night. For equatorial mounts this is when the meridian flip will occur.

<p>Helix Galaxy (NGC-2685) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Ursa Major Coordinates: 08h 55' 14" 58° 42' 24"</p> <p>Close Star: SAO-27876 (Merak) Catalog Objects: NGC-2685</p> <p>Imaging Window: 08:39 – 12:05 Transit: 08:46 65°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-2903 Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Leo Coordinates: 09h 32' 08.949" 21° 30' 37.772"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-2903</p> <p>Imaging Window: 08:39 – 12:05 Transit: 08:46 78°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p><small>NGC-2903 Barred Spiral Galaxy in Leo</small></p> <p><small>James Yoder 2017.02.24</small></p>

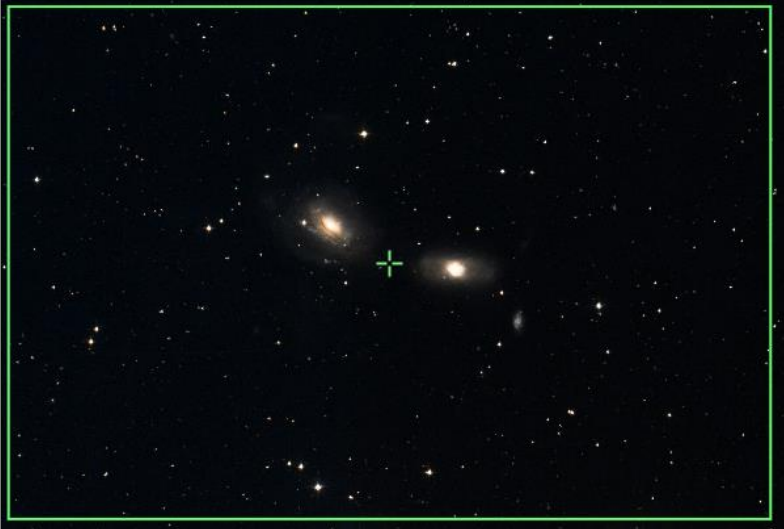


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<p>Bode's Cigar (M81 & M82) Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy Pair Peak: Constellation: Ursa Major Coordinates: 09hr 54' 02" 68° 53' 32"</p> <p>Close Star: SAO-15384 Catalog Objects: M-81 & M-82</p> <p>Imaging Window: 08:39 – 12:26 Transit: 09:09 54°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p>  <p style="font-size: small;">Cigar galaxy (M-82), Bode's galaxy (M-81), NGC-2976 James Yoder Dated: 2020-12-01, 2020-12-01 Location: Chandler, AZ Config: C-11HD HyperStar V4 LPS-SL CLS-6-CC GHY-126 Exposure Info: 90frames@9sec, 240sec@18sec Gain: 3200 Offset: 180 RA = 09h 54m 43.89s, DEC = +68deg 53' 40.75" Size = 3.14 x 2.89 deg Orientation: 3.6 deg E of N Pixel scale = 2.28 arcsecond FL=540mm</p>
<p>Bode's Cigar (M81 & M82) Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy Pair Constellation: Ursa Major Coordinates: RA: 09hr 55' 40"DEC: 69° 18' 39" 90° Rotation</p> <p>Close Star: SAO-15384 Catalog Objects: M-81 & M-82</p> <p>Imaging Window: 08:39 – 12:26 Transit: 09:09 54°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small;">FOV 1.04 x 0.69° - RA 09hr 55' 40", DEC 69° 18' 39" - 0.59"/px</p>
<p>Bode's Nebula (M-81) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Constellation: Ursa Major Coordinates: 09h 55' 24.184" 69° 05' 18.969"</p> <p>Close Star: SAO-15384 Catalog Objects: M-81/NGC-3031</p> <p>Imaging Window: 08:39 – 12:29 Transit: 09:09 54°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">M-081 Bode's Galaxy James Yoder 2015.11.14</p>




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<p>Cigar Galaxy (M-82) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Ursa Major Coordinates: 09h 55' 57.451" 69° 42' 37.646"</p> <p>Close Star: SAO-15384 Catalog Objects: M-82/NGC-3034</p> <p>Imaging Window: 08:39 – 12:26 Transit: 09:09 54°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">M-82 Cigar Galaxy</p> <p style="text-align: right; font-size: small;">James Yoder 2017.03.24</p>
<p>Spindle Galaxy (NGC-3115) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Sextans Coordinates: 10h 05' 21" -07° 47' 09"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-3115</p> <p>Imaging Window: *08:39 – 12:27 Transit: 09:19 49°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Powder keg Galaxy (UGC-5470) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Leo Coordinates: 10h 08' 27" 12° 19' 49"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: UGC-5470</p> <p>Imaging Window: 08:39 – 12:19 Transit: 09:22 69°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: x-small;">Dwarf Galaxy UGC 5470 (UGC-5470) © 2024 James Yoder 2024-03-20 10:00:00 AM PST 2024-03-20 10:00:00 AM PST 2024-03-20 10:00:00 AM PST 2024-03-20 10:00:00 AM PST</p>




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<p>NGC-3166 & NGC-3169 Config: C11HD ZWO6200MC </p> <p>Type: Galaxy pair</p> <p>Constellation: Sextans Coordinates: 10h 14' 01" 03° 25' 51"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-3166, NGC-3169</p> <p>Imaging Window: 08:39 – 11:54 Transit: 09:27 60°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Hickson 44 (NGC-3190, 3189,) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Group</p> <p>Constellation: Leo Coordinates: 10h 17' 57" 21° 49' 11"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-3189, 3190, 3185, 3193, 3187, PGC-2806871</p> <p>Imaging Window: 08:39 – 12:52 Transit: 09:31 79°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Hickson-44 Galaxy Cluster (Amp-316) <small>© 2014-2015 by the author. All rights reserved. This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.</small></p>
<p>NGC-3184 Config: C11HD ZWO6200MC </p> <p>Type: Face-on Spiral Galaxy</p> <p>Constellation: Ursa Major Coordinates: 10h 18' 17" 41° 25' 24"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-3184</p> <p>Imaging Window: 08:39 – 01:21 Transit: 09:32 82°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Barred Spiral Galaxy NGC-3184 <small>© 2014-2015 by the author. All rights reserved. This work is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.</small></p>


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<p>NGC-3227 & NGC-3226 Config: C11HD ZWO6200MC </p> <p>Type: Interacting Galaxies</p> <p>Constellation: Leo Coordinates: 10h 23' 29" 19° 53' 07"</p> <p>Close Star: SAO-60178 (Castor) Catalog Objects: NGC-3227, NGC-3226</p> <p>Imaging Window: 08:39 – 12:53 Transit: 09:37 77°</p>	<p>C-11 HD: Primary Focus</p> 
<p>Ghost of Jupiter (NGC-3242) Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Hydra Coordinates: 10h 24' 46" -18° 38' 31"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: NGC-3242</p> <p>Imaging Window: *08:39 – 11:43 Transit: 09:38 38°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>NGC-3242 (Ghost of Jupiter) Constellation: Hydra James Yoder Date(s) 2020.12.09, 10 Location: Chandler, AZ Config: C-11 HD OFF Trail Ultra ZWO6200MC RA = 10h 24m 44.7s, DEC = -18deg 38' 31.4" Size = 18.8 x 13.9 arcmin Orientation = 6.6deg E of N Pixel scale = 0.278 arcsec/pixel FL = 2000mm Exposure 16s 16 frames @ 2min Gain: 100 OIBSet: 50</small></p>
<p>Galaxy Group 2574 Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy Group</p> <p>Constellation: Leo Coordinates: 10h 28' 40" 68° 26' 14"</p> <p>Close Star: SAO-27876 (Merak) Catalog Objects: IC-2574</p> <p>Imaging Window: 08:39 – 01:05 Transit: 09:42 55°</p>	<p>C-11 HD: HyperStar v4</p>  <p>FOV 3.81 x 2.54° · RA 10hr 12' 10", DEC 69° 02' 51"</p>

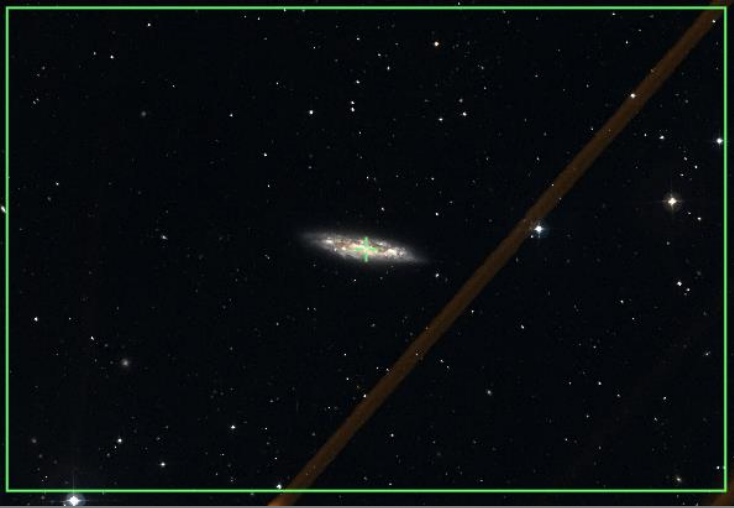

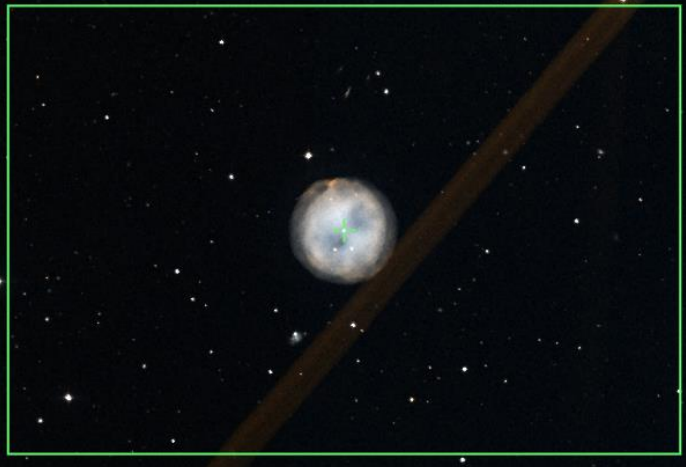
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<p>Coddington's Nebula (IC-2574) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Leo Coordinates: 10h 28' 40" 68° 26' 14"</p> <p>Close Star: SAO-27876 (Merak) Catalog Objects: IC-2574</p> <p>Imaging Window: 08:39 – 01:05 Transit: 09:42 55°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small; text-align: center;">James Yoder Date(s) 2022.04.01 - 2023.04.08 Location: Chandler, AZ Constellation: Ursa Major Config: C-11 HD (Baader Skyglow) QHY128c Exposure Info: 200frames@4min Gain: 3200 Offset: 180 I.A. = 100.2mm f/9. DEC = -06deg 24' 48.2" Size = 32.3 x 23.4 arcmin Orientation: 0.020deg E of N Pixel scale = 0.452 arcsec/pixel FL=2724mm </p>
<p>Leo Galaxy Group (M-96, M95 et al.) Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy Grouping</p> <p>Constellation: Leo Coordinates: 10h 47' 23" 12° 23' 59"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: M-96, M95, NGC3389, NGC3384, M105</p> <p>Imaging Window: 08:59 – 12:56 Transit: 10:00 69°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p>  <p style="font-size: small; text-align: center;">Galaxy Cluster in Leo</p> <p style="font-size: small; text-align: right;">James Yoder. 2018.04.17</p>
<p>M-95, M-96 (NGC-3351, 3368) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy Pair</p> <p>Constellation: Leo Coordinates: 10h 45' 20" 11° 44' 30"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: M-95, M-96</p> <p>Imaging Window: 08:39 – 12:53 Transit: 09:57 68°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small; text-align: center;">Galaxy pair M-95(NGC-3351) & M-96(NGC-3368) Constellation: Leo the Lion I.A. = 100.0mm f/9. DEC = -11deg 44' 27.7" Size = 19.3 x 40 arcmin Pixel scale = 0.179 arcsec/pixel </p> <p style="font-size: small; text-align: right;">James Yoder 2023.04.21 Location: Mountain View, California Constellation: Leo the Lion Config: C-11 HD (w/ Focal Reducer) QHY128c Exposure Info: 200frames@4min Gain: 3200 Offset: 180 </p>

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<p>Leo Trio 2 (NGC-3379, 3384, 3389) Config: C11HD ZWO6200MC </p> <p>Type: Trio of Galaxies</p> <p>Constellation: Leo Coordinates: 10h 48' 07.227" 12° 33' 52.943"</p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: M-105/NGC3379, NGC-3384, NGC-3389</p> <p>Imaging Window: 08:39 – 12:59 Transit: 10:01 69°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Trio of Galaxies NGC 3389 NGC 3384 NGC 3379 (M105)</p> <p style="text-align: right; font-size: x-small;">James Yoder 2015.03.22</p>
<p>Ambartsumian's Knot et al. (NGC-3561, 3558, 3553, 3550, etc.) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Cluster</p> <p>Constellation: Ursa Major Coordinates: 11h 10' 43" 28° 41' 41"</p> <p>Close Star: SAO-81727 (Zosma) Catalog Objects: NGC-3561</p> <p>Imaging Window: 08:39 – 02:17 Transit: 10:25 85°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-108 & NGC-3587 Config: C11HD ZWO6200MC </p> <p>Type: Irregular Galaxy & Planetary Nebula</p> <p>Constellation: Ursa Major Coordinates: 11h 12' 49" 55° 20' 57"</p> <p>Close Star: SAO-27876 (Merak) Catalog Objects: M-108/NGC-3555</p> <p>Imaging Window: 08:39 – 02:17 Transit: 10:25 68°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p>  <p style="font-size: x-small;">M-108 (NGC-3556) and Owl Nebula (M-97, NGC-3587) Constellation: Ursa Major [RA: 11h 12m 51.217s, DEC: +55deg 21' 46.196"] Size = 1.91 x 1.28 deg Pixel scale = 2.29 arcsec/pixel</p> <p style="font-size: x-small; text-align: right;">James Yoder 2020.04.03 Config: C-11HD HyperStar V4 Astronomik CLS-CCD QHY128c Exposure Info: 147frames@1min Gain: 3200 Offset: 180 Location: Chandler, AZ</p>

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<p>M-108 (NGC-3556) Config: C11HD ZWO6200MC </p> <p>Type: Irregular Galaxy</p> <p>Constellation: Ursa Major Coordinates: 11h 11' 29" 55° 40' 22"</p> <p>Close Star: SAO-27876 (Merak) Catalog Objects: M-108/NGC-3555</p> <p>Imaging Window: 08:39 – 02:17 Transit: 10:25 68°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Owl Nebula (NGC-3587) Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Ursa Major Coordinates: 11h 14' 48" 55° 01' 10"</p> <p>Close Star: SAO-27876 Catalog Objects: M-97/NGC-3587</p> <p>Imaging Window: 08:39 – 02:20 Transit: 10:28 68°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small; text-align: center;"> <small>Owl Nebula (NGC-3597 / M-97) Constellation: Ursa Major RA = 14h 14m 48.20s Dec = 55° 01' 10.00" (J2000) Field scale = 0.80 arcsec/pixel</small> </p>
<p>Owl Nebula (NGC-3587) Config: C11HD Barlow x2 ZWO6200MC </p> <p>Type: Planetary Nebula Constellation: Ursa Major Coordinates: 11h 14' 48" 55° 01' 10"</p> <p>Close Star: SAO-27876 Catalog Objects: M-97/NGC-3587</p> <p>Imaging Window: 08:39 – 02:20 Transit: 10:28 68°</p>	<p style="text-align: center;">C-11 HD: Primary Focus *x2</p> 

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Lio Trio of Galaxies

Config: C11-HD | HS | ZWO6200MC

Type: **Galaxies**

Constellation: **Leo**

Coordinates:

Frame 01

RA: 11hr 19' 57" DEC: 13° 32' 15"

Frame 02

RA: 11hr 19' 57" DEC: 13° 04' 57"

Close Star: **SAO-15384**

Catalog Objects: [NGC-3628](#), 3623, M-65

Imaging Window: **08:39 – 01:34**

Transit: **10:33 | 70°**

C-11 HD: **Focal Reducer** **Composite!**



Leo Trio of Galaxies (NGC-3628, NGC-3623, NGC-3627)
Constellation: Leo the Lion
RA = 11h 19m 45s DEC = +13deg 16' 38.0" Size = 16.7 x 7.8 arcmin (Orientation 20deg E of N) Pixel scale = 0.579 arcsec/pixel (FL = 1900mm)
James Yoder (Denton) 2020/09/14 2020/08/15 Location: Chandler, AZ
Config: C11-HD (8" Focuser) | Fiber Reducer Optics | Camera: QHY128C |
Exposure: 180s (3x60s) Gain: 1200 | Offset: 100

NGC-3628

Config: |C11HD|ZWO6200MC|

Type: **Spiral Galaxy**

Constellation: **Leo**

Coordinates:

11h 19' 44"

13° 28' 28"

NOTE: M-65/M-66 & NGC-3628 can be combined to create mosaic

Close Star: **SAO-98967** (Regulus)

Catalog Objects: [NGC-3628](#),

Imaging Window: **08:39 – 01:34**

Transit: **10:33 | 70°**




C-11 HD: **Primary Focus**



NGC-3628
Edge-On Galaxy

James Yoder
2015.04.19

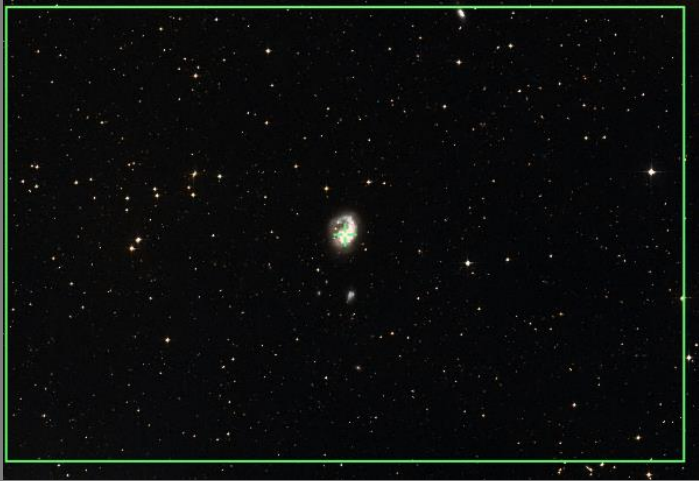

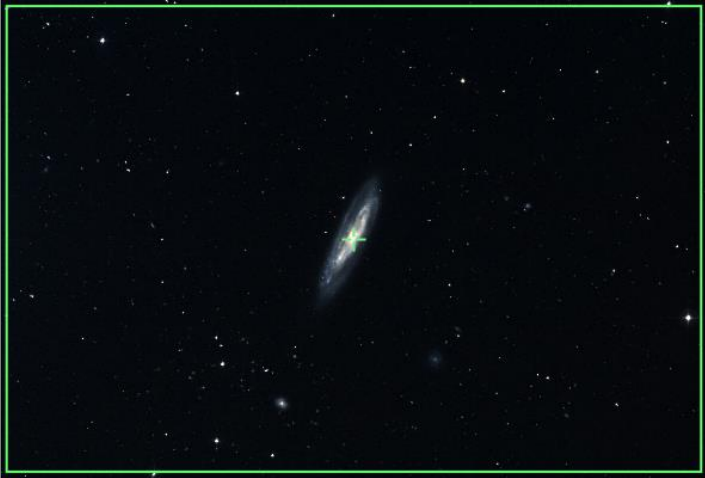
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<p>M-65, M-66 Config: C11HD ZWO6200MC Type: Spiral Galaxy</p> <p>Constellation: Leo Coordinates: 11h 19' 44" 13° 04' 06" <i>NOTE: M-65/ M-66 & NGC-3628 can be combined to create mosaic</i></p> <p>Close Star: SAO-98967 (Regulus) Catalog Objects: M-65/NGC-3623, M-66/NGC-3627</p> <p>Imaging Window: 08:39 – 01:33 Transit: 10:33 70°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">M-065, M066 Spiral Galaxies</p> <p style="text-align: right; font-size: small;">James Yoder 2015 05 19</p>
<p>Arp-214 (NGC-3718, NGC-3729) Config: C11HD ZWO6200MC Type: Galaxy Pair</p> <p>Constellation: Ursa Major Coordinates: 11h 33' 09" 53° 05' 02"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: NGC-3718</p> <p>Imaging Window: 08:39 – 02:39 Transit: 10:46 70°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: x-small;">NGC-3718, NGC-3729 Constellation: Ursa Major RA=11h 33m 10.00s DEC=+53deg 05' 44.809" Size=45 x 30.4 arcmin Pixel scale=0.446 arcsec/pixel FL=2.720mm</p> <p style="font-size: x-small; text-align: right;">James Yoder 2020-02-16 Equipment: Chandler-A2 Config: C-11 HD Astronomik CLS-CCD OVI128c Exposure Info: [34frames/5min] Gain: 3200 Offset: 180</p>
<p>Copeland's Septet (NGC-3746, 3748, 3750, 3751, 3753, 3754) Config: C11HD ZWO6200MC Type: Galaxy Cluster</p> <p>Constellation: Leo Coordinates: 11h 33' 09" 53° 05' 02"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-3746, 3748, 3750, 3751, 3753, 3754/HCG-57</p> <p>Imaging Window: 08:39 – 02:12 Transit: 10:51 79°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 




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<p>Abell 1367(NGC-3861, et al.) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Cluster</p> <p>Constellation: Leo Coordinates: 11h 44' 40" 19° 56' 32"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-3861, 3842, dozens of others.</p> <p>Imaging Window: 08:39 – 02:15 Transit: 10:58 77°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="text-align: center;"><small>Galaxy Cluster Abell-1367 (ARCO-1367) Copyright © 2024 Sky-Watchers, Inc. 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 Sky-Watchers, Inc.</small></p>
<p>Wild's Triplet(Arp-248) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Ursa Major Coordinates: 11h 46' 41" -03° 51' 46"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: Arp-248, PGC- 36742, 36733, 36723</p> <p>Imaging Window: *08:39 – 01:56 Transit: 11:00 53°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-109(NGC-3992) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Ursa Major Coordinates: 11h 57' 34" 53° 20' 59"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: NGC-3992</p> <p>Imaging Window: 08:39 – 03:04 Transit: 11:11 70°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 



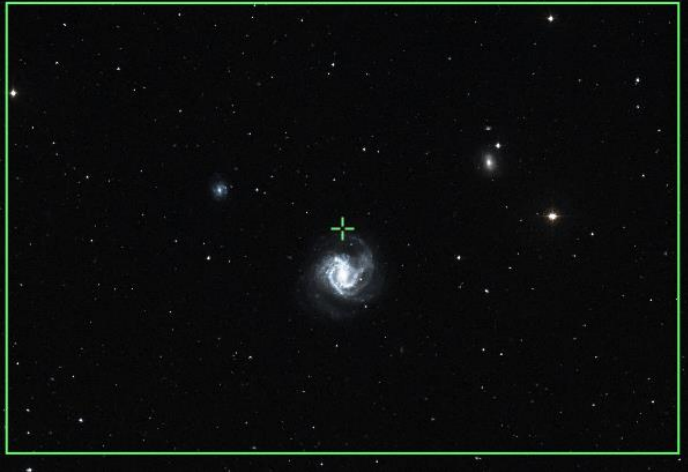
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<p>NGC-4027 (PGC-37773) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Corvus Coordinates: 11h 59' 31" -19° 15' 57"</p> <p>Close Star: SAO-157923 (Spica) Catalog Objects: NGC-4027</p> <p>Imaging Window: *09:13 – 01:17 Transit: 11:13 37°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Antennae Galaxies (Arp-244) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Pair</p> <p>Constellation: Corvus Coordinates: 12h 01' 54" -18° 53' 08"</p> <p>Close Star: SAO-157923 (Spica) Catalog Objects: Arp-244/ NGC-4038, NGC-4039</p> <p>Imaging Window: *09:19 – 01:23 Transit: 11:15 38°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-98 (NGC-4192) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 13' 48" 14° 53' 58"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: M-98/NGC-4192</p> <p>Imaging Window: 08:39 – 02:31 Transit: 11:27 72°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 

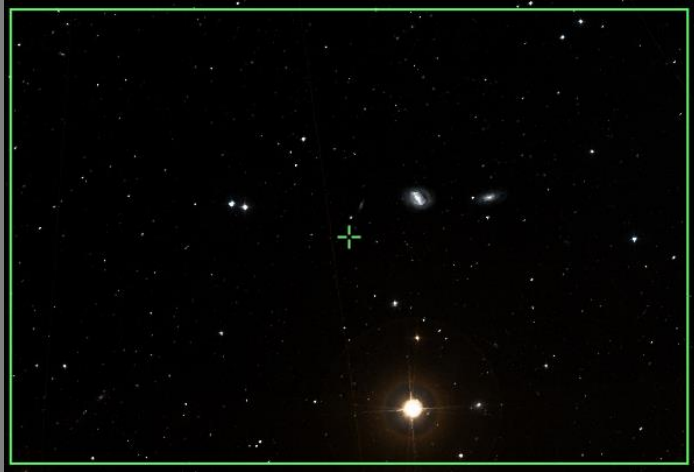


Prospective Imaging Objects – April 08 2024

<p>NGC-4236 (UGC 7306) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Draco Coordinates: 12h 16' 42" 69° 28' 00"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: NGC-4236/UGC-7306</p> <p>Imaging Window: 08:39 – 02:48 Transit: 11:30 54°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="text-align: center;"><small>NGC 4236 (UGC 7306) is a barred spiral galaxy located in the constellation Draco. It is approximately 100 million light-years from Earth. The image shows the galaxy's central bar and surrounding spiral arms.</small></p>
<p>Silver Needle (NGC-4244) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Canes Venatici Coordinates: 12h 17' 30" 37° 48' 28"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4244/UGC-7322</p> <p>Imaging Window: 08:39 – 03:16 Transit: 11:30 86°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="text-align: center;"><small>NGC 4244 (The Silver Needle) is a barred spiral galaxy in the constellation Canes Venatici. It is about 100 million light-years away. The image shows a bright central bar and a long, thin tail of stars extending from it.</small></p>
<p>St. Katherines Wheel (M99/NGC4254) Config: C11HD ZWO6200MC </p> <p>Type: Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 18' 49" 14° 25' 03"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: M-99/NGC-4254 Imaging Window: 08:39 – 02:35 Transit: 11:32 71°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="text-align: center;"><small>M 99 (The St. Katherines Wheel) is a barred spiral galaxy in the constellation Coma Berenices. It is approximately 27 million light-years from Earth. The image shows a central bar and several distinct spiral arms.</small></p>




Prospective Imaging Objects – April 08 2024

<p>Galaxy Group 106 Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy Group</p> <p>Constellation: Canes Venatici Coordinates: 12h 17' 12" 47° 13' 33"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: M-106, NGC 4248, 4217, 4232, 4331 Imaging Window: 08:39 – 03:25 Transit: 11:32 76°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p> 
<p>M-106(NGC-4258) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy Group</p> <p>Constellation: Canes Venatici Coordinates: 12h 17' 12" 47° 13' 33"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: M-106, NGC 4248, 4217, 4232, 4331 Imaging Window: 08:39 – 03:25 Transit: 11:32 76°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p> 
<p>HII Galaxy (M61/NGC4303) Config: C11HD ZWO6200MC </p> <p>Type: Face-On Spiral Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 21' 55" 04° 31' 28"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-61/NGC-4303, NGC-4292, NGC-4301 Imaging Window: 09:10 – 02:06 Transit: 11:35 61°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 


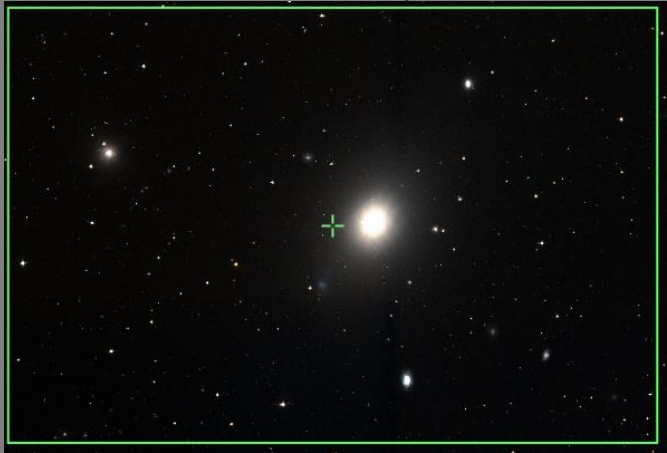

Prospective Imaging Objects – April 08 2024

<p>Winnecke 4(M-40) Config: C11HD ZWO6200MC </p> <p>Type: Star Pair</p> <p>Constellation: Ursa Major Coordinates: 12h 21' 22" 58° 03' 05"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: M-40, NGC-4290, NGC-4284 Imaging Window: 08:39 – 03:25 Transit: 11:35 65°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-100(NGC-4303) Config: C11HD ZWO6200MC </p> <p>Type: Face-On Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 22' 28" 15° 42' 40"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-100/NGC-4321, NGC-4312, 4328, 4322, UGC-7425, IC-783A, Imaging Window: 08:39 – 02:43 Transit: 11:36 73°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-4361 Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Corvus Coordinates: 12h 24' 31" -18° 47' 03"</p> <p>Close Star: SAO-157176 (Gienah Corvi) Catalog Objects: NGC-4361 Imaging Window: *09:36 – 01:45 Transit: 11:37 38°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Planetary Nebula NGC-6572 Constellation: Ophiuchus Coordinates: RA=15h 02m 07.9s DEC=-06h 51m 02.0s Size=21.5 arcmin. Orientation: RA=0° PA=148° FWHM=0.27 arcsec/px F1.709mm</p> <p style="font-size: x-small; text-align: right;">Juno Vista (Date: 2024-03-02 02:00) (Location: Canada, CA) Config: 1-11 HD (Primary Focus) (Astrophot) (A000000000) Camera: ASI 178DSR (1.25" SBIG) (12.2MP) Size=21.5 arcmin. Orientation: RA=0° PA=148° FWHM=0.27 arcsec/px F1.709mm</p>




Prospective Imaging Objects – April 08 2024

<p>Markarian Chain(M-84 Et. Et.) Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy cluster</p> <p>Constellation: Virgo Coordinates: 12h 26' 29" 12° 52' 22"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-84/NGC-4374, NGC-4388, 4425, 4402, M-86/NGC4406, 4438, 4435, and more Imaging Window: 08:45 – 02:37 Transit: 11:38 70°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p> 
<p>Markarian Chain 2 Config: C11-HD HS ZWO6200MC</p> <p>Type: Galaxy cluster Constellation: Virgo Coordinates: 12h 35' 40" 12° 33' 22"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-84/NGC-4374, NGC-4388, 4425, 4402, M-86/NGC4406, 4438, 4435, and more Imaging Window: 08:45 – 02:37 Transit: 11:38 70°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p> 
<p>Markarian's Chain (M-84) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy cluster</p> <p>Constellation: Virgo Coordinates: 12h 26' 29" 12° 52' 22"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-84/NGC-4374, NGC-4388, 4425, 4402, M-86/NGC4406, 4438, 4435 Imaging Window: 08:45 – 02:37 Transit: 11:38 70°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p> 




Prospective Imaging Objects – April 08 2024

<p>NGC-4449 (UGC-7592) Config: C11HD ZWO6200MC </p> <p>Type: Irregular Galaxy</p> <p>Constellation: Canes Venatici Coordinates: 12h 28' 11" 44° 05' 42"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: NGC-4449/UGC-7592 Imaging Window: 08:39 – 03:33 Transit: 11:41 79°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-49(NGC-4472) Config: C11HD ZWO6200MC </p> <p>Type: Elliptical Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 29' 58" 07° 59' 51"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-49/NGC-4472 Imaging Window: 09:05 – 02:27 Transit: 11:43 65°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Virgo A(M-87) Config: C11HD ZWO6200MC </p> <p>Type: Elliptical Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 30' 49" 12° 23' 26"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-87/NGC-4486 Imaging Window: 08:52 – 02:42 Transit: 11:44 69°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 



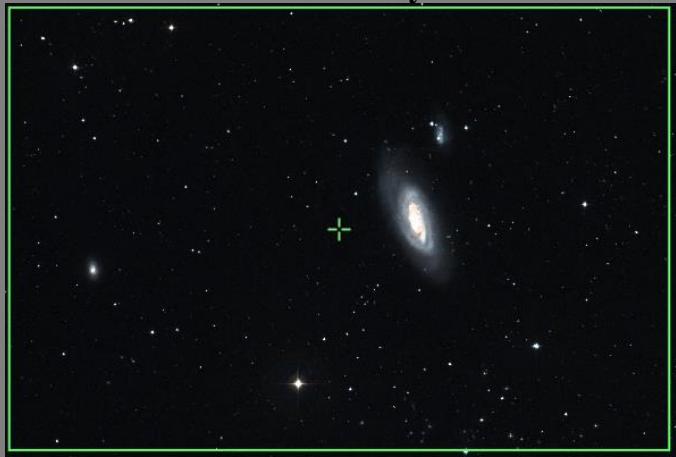
Prospective Imaging Objects – April 08 2024

<p>Cocoon Galaxy(NGC-4490) Config: C11HD ZWO6200MC </p> <p>Type: Interacting Galaxy Pair</p> <p>Constellation: Canes Venatici Coordinates: 12h 30' 36" 41° 38' 34"</p> <p>Close Star: SAO-28179 (Phecda) Catalog Objects: NGC-4490, NGC-4485</p> <p>Imaging Window: 08:39 – 03:33 Transit: 11:44 82°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Cocoon Galaxy (NGC-4490 & NGC-4485) Constellation: Canes Venatici RA = 12h 30m 35.66s DEC = +41deg 38' 34.78" Size = 36.1 x 24.3 arcmin Orientation = 0.33deg E of N Pixel scale = 0.446 arcsec/pixel (F1-2758nm) James Yoder Date(s) 2020-02-02 - 2020-02-07 Location: Chandler, AZ Config: C-11 HD/Blender/StarTracker (OIII/12k) Exposure Info: (768nm)8min Gain: 3200 (Offset: 180)</p>
<p>Lemon Slice Nebula (IC-3568) Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Camelopardalis Coordinates: 12h 33' 14" 82° 33' 22"</p> <p>Close Star: SAO-8102 (Kochab) Catalog Objects: IC-3568/UGC-7731</p> <p>Imaging Window: *08:39 – 04:42 Transit: 11:46 41°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Planetary Nebula IC-3568 Constellation: Camelopardalis RA = 12h 33m 14.00s DEC = +82deg 33' 22.00" Size = 12.1 x 0.8 arcmin Orientation: None E of N Pixel scale = 0.72 arcsec/pixel (F1-2758nm) James Yoder Date(s) 2020-02-02 - 2020-02-07 Location: Chandler, AZ Config: C-11 HD/Blender/StarTracker (OIII/12k) Exposure Info: (768nm)8min Gain: 3200 (Offset: 180)</p>
<p>M-91(NGC-4548) Config: C11-HD FR ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 36' 11" 14° 20' 51"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-91/NGC4548, NGC-4571</p> <p>Imaging Window: 08:51 – 02:52 Transit: 11:48 71°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p> <p style="text-align: center; color: green;">FOV 1.04 x 0.70° - RA 12hr 36' 11", DEC 14° 20' 51"</p>  <p style="font-size: small;">James Yoder Date(s) 2020-02-02 - 2020-02-07 Location: Chandler, AZ Config: C-11 HD/Blender/StarTracker (OIII/12k) Exposure Info: (768nm)8min Gain: 3200 (Offset: 180)</p>




Prospective Imaging Objects – April 08 2024

<p>M-91(NGC-4548) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 36' 04" 14° 23' 37"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-91/NGC4548, NGC-4571 Imaging Window: 08:51 – 02:52 Transit: 11:48 71°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-89(NGC-4552) Config: C11HD ZWO6200MC </p> <p>Type: Elliptical Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 35' 43" 12° 24' 24"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-89/NGC4552, NGC-4551, NGC-4550, IC-3574, IC-3586 Imaging Window: 08:57 – 02:47 Transit: 11:49 69°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-4559 (UGC-7766) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 35' 58" 27° 57' 35"</p> <p>Close Star: SAO-44752 (Alkaid) Catalog Objects: NGC-4559/UGC-7766 Imaging Window: 08:23 – 03:21 Transit: 11:49 85°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 




Prospective Imaging Objects – April 08 2024

<p>Siamese Twins(NGC-4567) Config: C11HD ZWO6200MC </p> <p>Type: Elliptical Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 36' 26" 11° 19' 59"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: NGC-4567, NGC-4568, NGC-4564 Imaging Window: 09:01 – 02:44 Transit: 11:49 68°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Needle Galaxy (NGC-4565) Config: C11HD ZWO6200MC </p> <p>Type: Edge-on Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 36' 02" 25° 56' 51"</p> <p>Close Star: SAO-44752 (Alkaid) Catalog Objects: NGC-4565, NGC-4562 Imaging Window: 08:26 – 03:18 Transit: 11:49 83°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-90 (NGC-4569) Config: C11HD ZWO6200MC </p> <p>Type: Spiral Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 37' 11" 13° 09' 19"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-90/NGC-4569 IC-3583, NGC-4584 Imaging Window: 08:56 – 02:50 Transit: 11:50 70°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 




Prospective Imaging Objects – April 08 2024

<p>Galaxy Group 58 Config: C-11HD HyperStar </p> <p>Type: Galaxy Group</p> <p>Constellation: Virgo Coordinates: 12h 37' 35" 12° 18' 56"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-58/NGC-4579 Imaging Window: 09:01 – 02:47 Transit: 11:51 69°</p>	<p>C-11 HD: HyperStar v4</p>  <p>FOV 3.81 x 2.54° · RA 12hr 37' 35\", DEC 12° 18' 56"</p>
<p>M-58 (NGC-4579) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 37' 44" 11° 49' 06"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-58/NGC-4579 Imaging Window: 09:01 – 02:47 Transit: 11:51 69°</p>	<p>C-11 HD: Primary Focus</p> 
<p>M-68 (NGC-4590) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster Constellation: Hydra Coordinates: 12h 39' 28" -26° 44' 32"</p> <p>Close Star: SAO-180915 (Kraz) Catalog Objects: M-68/NGC-4590</p> <p>Imaging Window: *10:09 – 01:45 Transit: 11:52 30°</p>	<p>C-11 HD: Primary Focus</p>  <p>FOV 0.73 x 0.49° · Rayleigh limit 0.49"</p>

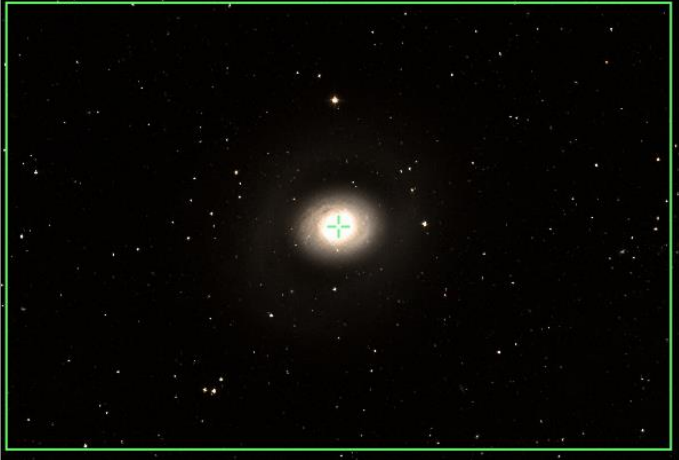

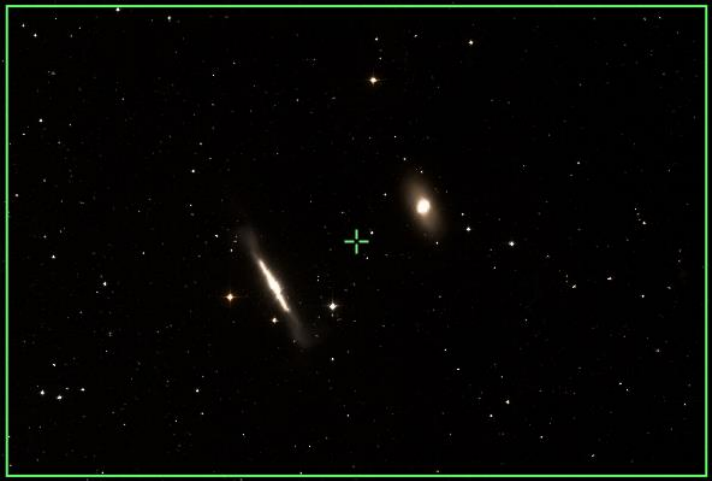
Prospective Imaging Objects – April 08 2024

<p>Sombrero Galaxy (M-104) Config: C11HD ZWO6200MC </p> <p>Type: Edge-on Spiral Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 39' 44" -11° 37' 52"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-104/NGC-4594 Imaging Window: *09:41 – 02:07 Transit: 11:53 45°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">M104, Sombrero Galaxy James Yoder 2015.01.18</p>
<p>Whale and Hockey Stick (NGC-4631, NGC-4656) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxies</p> <p>Constellation: Canes Venatici Coordinates: 12h 42' 50" 32° 20' 54"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4631, NGC-4656 Imaging Window: 08:22 – 03:35 Transit: 11:55 89°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small;">Whale and Hockey Stick Galaxies (NGC4631, NGC4656) Constellation: Canes Venatici James Yoder - 2019.04.14 Location: Mesaero, greville, Yarbrough, AZ Config: C11 Starizona L.F. Corrector Blander Skyglow Filter (BVF126) Exposure Info: 21 frames/beam, Gain: 2200 Observer: JYD</p>
<p>M-59, M-60 group Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy Group</p> <p>Constellation: Virgo Coordinates: 12h 42' 42" 11° 40' 33"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: M-59/NGC-4621, M-60/NGC-4649, NGC-4656, 4647, 4638, 4607, 4606 Imaging Window: 09:06 – 02:51 Transit: 11:55 68°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small;">Virgo Cluster of Galaxies James Yoder Date(s): 2021.04.30 - 2020.07.31 Location: Chandler, AZ Config: C11-HD F.R. Reducer Filter: Blander Skyglow, RGB Camera: ZWO ASI1600 Exposure Info: L=84frames@6min, G=13frames@6min, R=12frames@6min, B=14frames@6min Total = 12hrs 18min Gain: 100 OffSet: 50 RA = 12h 42m 40.3s, DEC = +11deg 40' 19.7" Size = 57.3 x 37.7 arcmin Orientation = -9.2deg E of N Pixel scale = 0.785 arcsec/pixel 91-190frames</p>

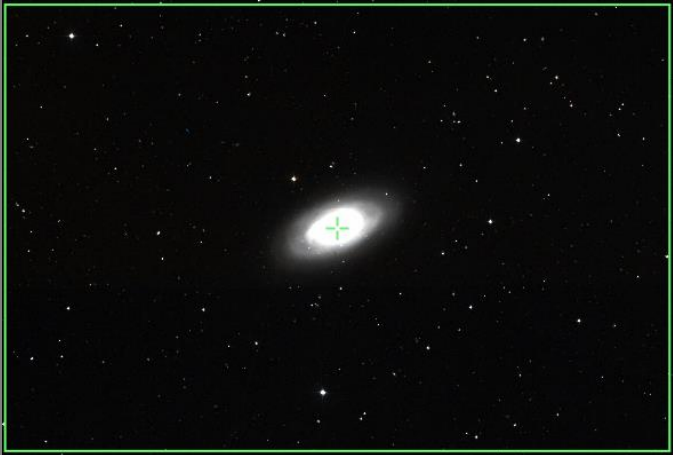
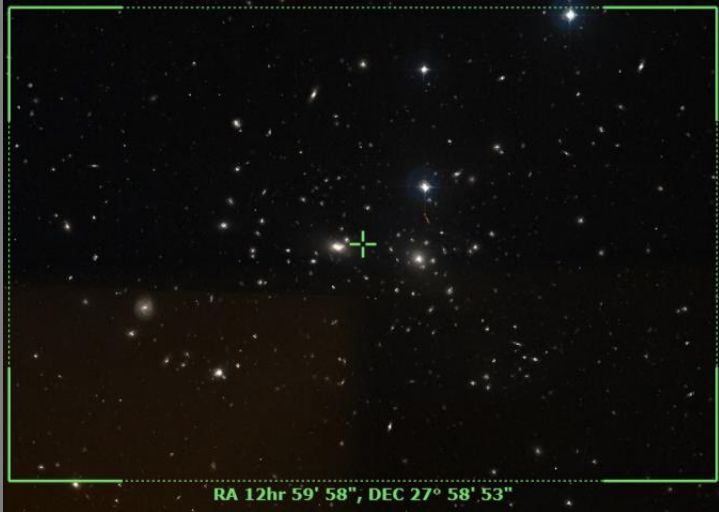

Prospective Imaging Objects – April 08 2024

<p>TheMice (NGC-4676 A & B) Config: C11HD ZWO6200MC </p> <p>Type: Interacting Galaxies</p> <p>Constellation: Coma Berenices Coordinates: 12h 46' 07" 30° 43' 43"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4676A & B Imaging Window: 08:25 – 03:36 Transit: 11:59 87°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-4725 (PGC-43451) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy group</p> <p>Constellation: Coma Berenices Coordinates: 12h 50' 55" 25° 35' 59"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4725, NGC-4712, NGC-4747 Imaging Window: 08:41 – 03:32 Transit: 12:03 82°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small;">Galaxy Cluster NGC-4747, NGC-4725, NGC4712 <small>James Yeiser Date(s) 2021.01.02, 2021.01.03 Location: Chandler, AZ Config: C11-HD 0.7 Reducer Filter: Bander Skyglow Camera: QHY128C Constellation: Coma Berenices Exposure Info: /66fmsw@5min Gain: 3200 OISec: 180 RA = 12h 50m 40.89s DEC = -25deg 36' 33.3" Size = 44.39 x 29.62 arcmin Orientation: 0deg E of N Pixel scale = 0.630 arcsec/pixel FL=1953mm</small></p>
<p>NGC-4725 (PGC-43451) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy group</p> <p>Constellation: Coma Berenices Coordinates: 12h 50' 50" 25° 35' 23"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4725, NGC-4712, NGC-4747 Imaging Window: 08:41 – 03:32 Transit: 12:03 82°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 




Prospective Imaging Objects – April 08 2024

<p>M-94 (NGC-4736) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Canes Venatici Coordinates: 12h 50' 53" 41° 07' 17"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: M-94/NGC-4736 Imaging Window: 08:21 – 03:53 Transit: 12:04 82°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-4731 (PGC-43507) Config: C11HD ZWO6200MC </p> <p>Type: Barred Spiral Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 51' 01" -06° 21' 49"</p> <p>Close Star: SAO-157923 (Spica) Catalog Objects: NGC-4731 Imaging Window: *09:58 – 02:12 Transit: 12:04 50°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>NGC-4762, 4754 (PGC-43733) Config: C11HD ZWO6200MC </p> <p>Type: Edge on Galaxy</p> <p>Constellation: Virgo Coordinates: 12h 52' 35" 11° 16' 42"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-4762, NGC-4754 Imaging Window: 09:18 – 03:00 Transit: 12:06 68°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 




Prospective Imaging Objects – April 08 2024

<p>Black Eye Galaxy (M-64) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Coma Berenices Coordinates: 12h 56' 44" 21° 40' 59"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: M-64/NGC-4826 Imaging Window: 08:55 – 03:30 Transit: 12:10 78°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Coma Galaxy Cluster (Abell-1656) Config: C11-HD FR ZWO6200MC </p> <p>Type: Galaxy Cluster</p> <p>Constellation: Coma Berenices Coordinates: 12h 59' 58" 27° 58' 53"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: Abell-1656 Imaging Window: 08:47 – 03:45 Transit: 12:13 85°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p> 
<p>Coma Galaxy Cluster (Abell-1656) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Cluster</p> <p>Constellation: Coma Berenices Coordinates: 13h 00' 06" 28° 00' 31"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: Abell-1656 Imaging Window: 08:47 – 03:45 Transit: 12:13 85°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 

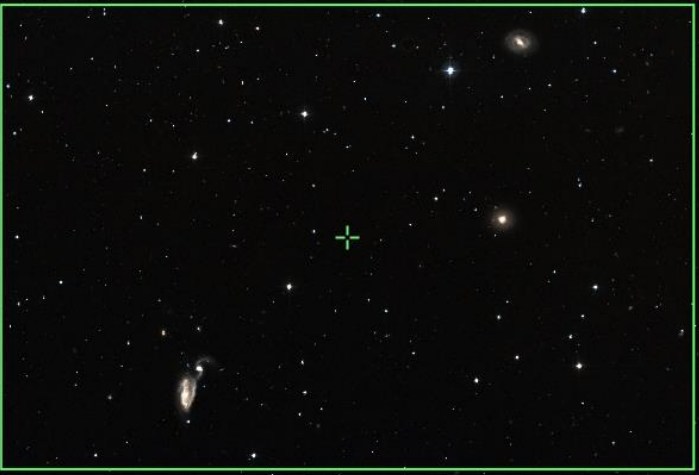


Prospective Imaging Objects – April 08 2024

<p>M-53 (NGC-5024) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster Constellation: Coma Berenices Coordinates: 13h 12' 55" 18° 10' 11"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: M-53/NGC-5024</p> <p>Imaging Window: 09:19 – 03:39 Transit: 12:26 75°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> Globular Cluster Messier 53 Constellation: Coma Berenices RA = 13h 12m 55.7s DEC = +18deg 10' 27.0" Size = 17.7 x 27.0 arcmin Orientation: 0.0deg E of N Pixel scale = 0.452 arcsecond FL = 5720mm James Yoder Dates: 2023-04-21 - 2023-04-25 Location: Chandler, AZ Config: C-11 HD Bando Single Filter (QHY128K) Exposure: 300s @90000Gain Gain: 1200 Offset: 100 </p>
<p>NGC-5033 (PGC-45948) Config: C11HD ZWO6200MC </p> <p>Type: Spiral Galaxy</p> <p>Constellation: Canes Venatici Coordinates: 13h 13' 28" 36° 35' 36"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: NGC-5033/PGC-45948</p> <p>Imaging Window: 08:48 – 04:11 Transit: 12:26 87°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Sunflower Galaxy (M-63) Config: C11HD ZWO6200MC </p> <p>Type: Spiral Galaxy</p> <p>Constellation: Canes Venatici Coordinates: 13h 15' 15" 42° 04' 41"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: M-63/NGC-5055, UGC-8313</p> <p>Imaging Window: 08:45 – 04:19 Transit: 12:29 81°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> M-63 Sunflower Galaxy James Yoder 2018.04.15 </p>




Prospective Imaging Objects – April 08 2024

<p>NGC-5053 Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Coma Berenices Coordinates: 13h 16' 27" 17° 41' 55"</p> <p>Close Star: SAO-99809 (Denebola) Catalog Objects: NGC-5053 Imaging Window: 09:24 – 04:39 Transit: 12:29 74°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> Globular Cluster NGC-5053 Constellation: Coma Berenices RA = 13h 16m 27.26s Dec = +17deg 41' 55.27" Size = 37.7 x 27.8 arcmin Orientation: 0 deg E of N Pixel scale = 0.452 arcsec/pixel FL = 2750mm James Yoder Date(s): 2022/04/21 - 2022/04/21 Location: Chandler, AZ Config: C-11 HD/Starline/Starline Filter/091115641 Exposure Info: 1/1000sec/30sec (Gain: 3200) DPOSS: 180 </p>
<p>Whirlpool Galaxy (M-51) Config: C11HD ZWO6200MC </p> <p>Type: Interacting Galaxies</p> <p>Constellation: Canes Venatici Coordinates: 13h 29' 53" 47° 11' 44"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: M-51/NGC-5194, NGC-5195 Imaging Window: 08:56 – 04:39 Transit: 12:43 76°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> M-51 Whirlpool Galaxy James Yoder 2017.04.04 </p>
<p>M-3 (NGC-5272) Config: C11HD Barlow x2 ZWO6200MC </p> <p>Type: Globular Cluster Constellation: Canes Venatici Coordinates: 13h 42' 11" 28° 22' 34"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-3/NGC-5272</p> <p>Imaging Window: 09:28 – 04:39 Transit: 12:55 85°</p>	<p style="text-align: center;">C-11 HD: Primary Focus *x2</p>  <p style="font-size: small;"> Globular Cluster M-3 Constellation: Canes Venatici RA = 13h 42m 11.11s Dec = +28deg 22' 34.11" Size = 11.11 x 11.11 arcmin Orientation: 0 deg E of N Pixel scale = 0.452 arcsec/pixel FL = 2750mm James Yoder Date(s): 2022/04/21 - 2022/04/21 Location: Chandler, AZ Config: C-11 HD/Starline/Starline Filter/091115641 Exposure Info: 1/1000sec/30sec (Gain: 3200) DPOSS: 180 </p>




Prospective Imaging Objects – April 08 2024

<p>Heron Galaxy (NGC-5395) et al. Config: C11HD ZWO6200MC </p> <p>Type: Galaxies</p> <p>Constellation: Canes Venatici Coordinates: 13h 57' 46" 37° 35' 31"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: NGC-5395, NGC-5394, NGC-5380, NGC-5378 Imaging Window: 09:32 – 04:39 Transit: 01:11 86°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Pinwheel Galaxy (M-101) Config: C11HD ZWO6200MC </p> <p>Type: Face-on Spiral Galaxy</p> <p>Constellation: Ursa Major Coordinates: 14h 03' 54" 54° 22' 44"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: M-101/NGC-5457, NGC-5477 Imaging Window: 09:29 – 04:39 Transit: 01:16 69°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p><small>M 101 (Pinwheel) Galaxy with Supernova Copyright © 2014 by Starizona. All rights reserved. This document is for personal use only. All other rights reserved. No part of this document 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 or retrieval system, without the prior written permission of Starizona.</small></p>
<p>NGC-5466 Config: C11HD Barlow x2 ZWO6200MC </p> <p>Type: Globular Cluster Constellation: Bootes Coordinates: 14h 05' 27" 28° 32' 06"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: NGC-5466</p> <p>Imaging Window: 09:51 – 04:39 Transit: 01:18 85°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p><small>Globular Cluster NGC 5466 Copyright © 2014 by Starizona. All rights reserved. This document is for personal use only. All other rights reserved. No part of this document 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 or retrieval system, without the prior written permission of Starizona.</small></p>


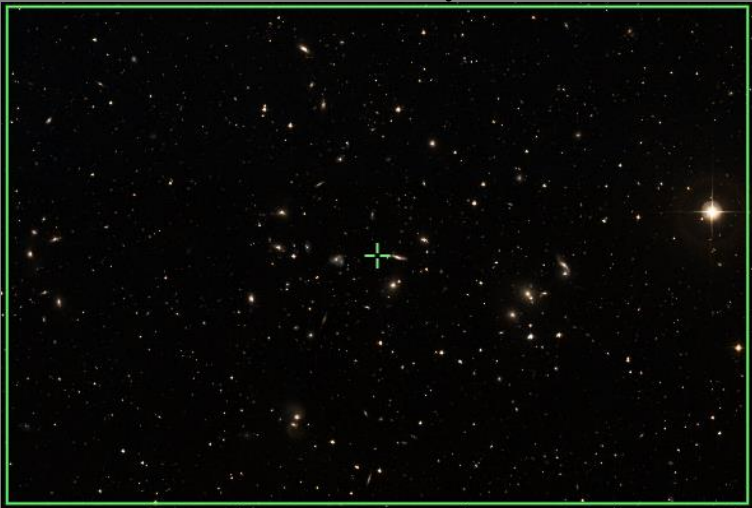
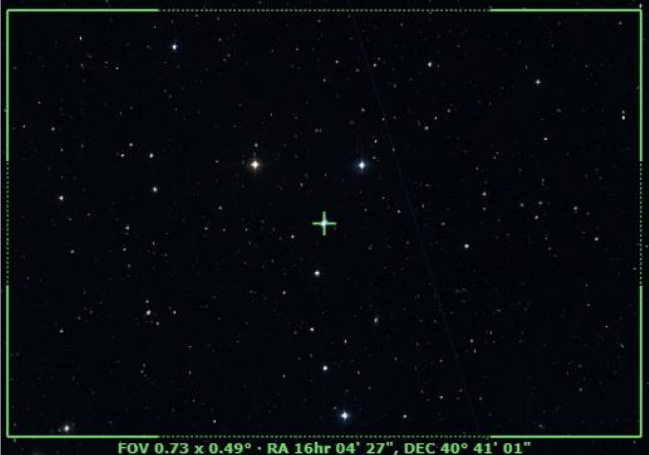
Prospective Imaging Objects – April 08 2024

<p>Spindle Galaxy (M-102) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Draco Coordinates: 15h 06' 29" 55° 45' 49"</p> <p>Close Star: SAO-28553 (Alioth) Catalog Objects: M-102 Imaging Window: 10:33 – 04:39 Transit: 02:19 69°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>Spindle Galaxy (M-102/NGC-5866) Constellation: Spinal Galaxy in Draco RA = 15h 06m 32.2s DEC = 55deg 46' 21.3" Size = 36.8 x 28.8 arcmin Orientation: 370deg E of N Pixel scale = 0.446 arcsec/pixel F1-200frames James Yoder Date: 2020-07-20 Location: Chandler, AZ Config: C-11 HD Baader Skyglow Filter QHY128C Exposure Info: 140frames@5min Gain: 3200 Offset: 100</small></p>
<p>NGC-5905, 5908 Config: C11HD ZWO6200MC </p> <p>Type: Galaxies</p> <p>Constellation: Drao Coordinates: 15h 16' 07" 55° 28' 10"</p> <p>Close Star: SAO-28737 (Mizar) Catalog Objects: NGC-5905, 5908 Imaging Window: 10:42 – 04:39 Transit: 02:28 68°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>Galaxies NGC-5905, NGC-5908 Constellation: Draco the dragon RA = 15h 16m 35.6s DEC = 55deg 29' 00" Size = 29.75 x 19.8 arcmin Pixel scale = 0.446 arcsec/pixel James Yoder Location: Chandler, AZ 2020-05-09 Config: C-11 HD Baader Skyglow Filter QHY128C Exposure Info: 160frames@5min Gain: 3200 Offset: 100</small></p>
<p>Splinter Galaxy (NGC-5907) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Drao Coordinates: 15h 15' 54" 56° 19' 49"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: NGC-5907 Imaging Window: 10:43 – 04:39 Transit: 02:28 68°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>Splinter Galaxy (NGC-5907) Constellation: Drao James Yoder Location: Chandler, AZ Config: C-11 Sanyasa F-6 Composite - Astromaster V3C QHY128C Exposure Info: 100frames@5min Gain: 3200 Offset: 100</small></p>




Prospective Imaging Objects – April 08 2024

<p>M-5 (NGC-5904) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Serpens Coordinates: 15h 18' 34" 02° 05' 00"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: M-5/NGC-5904 Imaging Window: 12:16 – 04:39 Transit: 02:31 59°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Draco Trio (NGC-5985,5982,5981) Config: C11HD ZWO6200MC </p> <p>Type: Galaxies</p> <p>Constellation: Drao Coordinates: 15h 38' 20" 59° 22' 56"</p> <p>Close Star: SAO-28737 (Mizar) Catalog Objects: NGC-5985, NGC-5982, NGC-5981 Imaging Window: 11:10 – 04:39 Transit: 02:52 64°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Sharpless 2-1 (SH2-1) Config: C11-HD HS ZWO6200MC</p> <p>Type: Diffuse Nebula</p> <p>Constellation: Scorpius Coordinates: 15h 56' 09" -25° 40' 29"</p> <p>Close Star: SAO-208078 (Wei) Catalog Objects: SH2-1/LBN-1093</p> <p>Imaging Window: *01:28 – 04:39 Transit: 03:11 31°</p>	<p style="text-align: center;">C-11 HD: HyperStar v4</p> 




Prospective Imaging Objects – April 08 2024

<p>Seyfert's Sextet (NGC-6027A-E) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Group & One</p> <p>Constellation: Serpens Coordinates: 15h 59' 46" 20° 47' 27"</p> <p>Close Star: SAO-83893 Catalog Objects: NGC-6027A-E, UGC-10127 Imaging Window: 12:00 – 04:39 Transit: 03:12 77°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>NGC-6027 (Seyfert's Sextet) Constellation: Serpens RA: 15h 59m 46s DEC: 20d 47m 27s Epoch: J2000.0 Date: 2024-03-20 12:00:00 Filter: ZWO6200MC</small></p>
<p>Hercules Galaxy Cluster (Abell-2151) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy Cluster</p> <p>Constellation: Hercules Coordinates: 16h 05' 13" 17° 45' 39"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: Abell-2151</p> <p>Imaging Window: 11:35 – 04:39 Transit: 03:17 74°</p>	<p>C-11 HD: Primary Focus</p> 
<p>NGC-6058 Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Hercules Coordinates: 16h 04' 27" 40° 41' 01"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: NGC-6058 Imaging Window: 11:35 – 04:39 Transit: 03:17 83°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>FOV 0.75 x 0.49° - RA 16hr 04' 27", DEC 40° 41' 01"</small></p>




Prospective Imaging Objects – April 08 2024

<p>Tadpole Galaxy (Arp-188) Config: C11HD ZWO6200MC </p> <p>Type: Galaxy</p> <p>Constellation: Draco Coordinates: 16h 06' 04" 55° 26' 07"</p> <p>Close Star: SAO-28737 (Mizar) Catalog Objects: Arp-188, PGC-57087, 57114, 57108</p> <p>Imaging Window: 11:33 – 04:39 Transit: 03:18 68°</p>	<p>C-11 HD: Primary Focus</p>  <p><small>Tadpole Galaxy (ARP-188) Constellation: Draco the dragon RA: 16h 06m 04.0s DEC: +55deg 26' 07.7" Size = 41.8 x 27.9 arcmin Orientation: 358deg E of N Pixel scale = 0.446 arcsec/pixel James Yoder Date: 2023-03-17 Location: Mesaero Grande Trailhead, AZ Config: C-11 HD Primary Focus 560 Filter QHY128L F2 2000 Exposure: 180s 180frames/Frame Gain: 1200 Offset: 100</small></p>
<p>White Eyed Pea (IC-4593) Config: C11HD Barlow x2 ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Hercules Coordinates: 15h 11' 45" 12° 03' 45"</p> <p>Close Star: SAO-100944 (Arcturus) Catalog Objects: IC-4593</p> <p>Imaging Window: 12:34 – 04:39 Transit: 03:24 69°</p>	<p>C-11 HD: Primary Focus *x2</p>  <p><small>White Eyed Pea (IC-4593) Constellation: Hercules RA: 15h 11m 45.0s DEC: +12deg 03' 45.0" Size = 1.5 x 1.5 arcmin Orientation: 0deg E of N Pixel scale = 0.446 arcsec/pixel James Yoder Date: 2023-03-17 Location: Mesaero Grande Trailhead, AZ Config: C-11 HD Primary Focus 560 Filter QHY128L F2 2000 Exposure: 180s 180frames/Frame Gain: 1200 Offset: 100</small></p>
<p>Blue Horshead (IC-4592) Config: C11-HD HS ZWO6200MC</p> <p>Type: Bright Nebula</p> <p>Constellation: Scorpius Coordinates: 16h 14' 15" -19° 17' 16"</p> <p>Close Star: SAO-184415 (Antares) Catalog Objects: IC-4592</p> <p>Imaging Window: *01:17 – 04:39 Transit: 03:25 37°</p>	<p>C-11 HD: HyperStar v4</p>  <p><small>Blue Horse Nebula (IC-4592) Constellation: Scorpius RA: 16h 14m 15.0s DEC: -19deg 17' 15.9" Size = 3.45deg x 2.34deg Orientation: 179deg E of N Pixel scale = 2.37 arcsec/pixel F2 = 920mm James Yoder Date: 2023-03-17 Location: Mesaero Grande Trailhead, AZ Config: C-11 HD HyperStar V4 5600 Filter QHY128L Exposure: 180s 180frames/Frame Gain: 1200 Offset: 100</small></p>


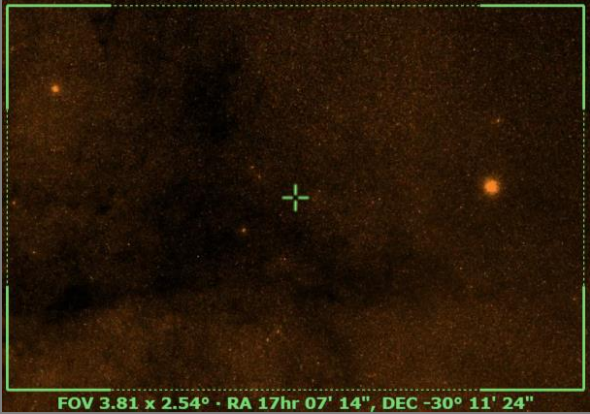
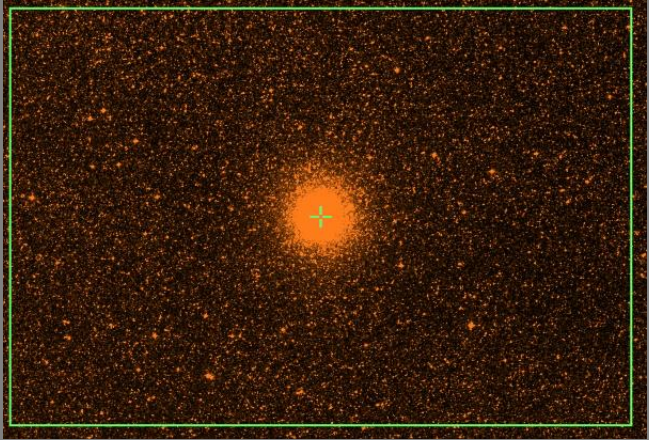
Prospective Imaging Objects – April 08 2024

<p>M-80 (NGC-6093) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Scorpius Coordinates: 16h 17' 02" -22° 58' 28"</p> <p>Close Star: SAO-184415 (Antares) Catalog Objects: M-80/NGC-6093 Imaging Window: *01:20 – 04:39 Transit: 03:29 34°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> Globular Cluster M-80 Constellation: Scorpius RA = 16h 17m 02.0s, Dec = -22deg 58' 28.1" (Size = 17.7 x 27.0 arcmin Orientation: 0 deg E of N Pixel scale = 0.997 arcsec/pixel FL=2723mm) </p> <p style="font-size: x-small; text-align: right;"> James Yoder Date(s) 2022.04.02 - 2022.04.08 Location: Chandler, AZ Config: C-11 HD, Starline, RingStar - (OPT) 126 Exposure Info: 370img@4min Gain: 3300 Offset: 180 </p>
<p>SH2-9 Config: C11-HD FR ZWO6200MC </p> <p>Type: Diffuse Nebula</p> <p>Constellation: Scorpius Coordinates: 16h 20' 16" -25° 25' 53"</p> <p>Close Star: SAO-184415 (Antares) Catalog Objects: SH2-9 Imaging Window: 01:42 – 04:39 Transit: 03:34 31°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p>  <p style="font-size: small;"> Globular Cluster M-80 Constellation: Scorpius RA = 16h 17m 02.0s, Dec = -22deg 58' 28.1" (Size = 17.7 x 27.0 arcmin Orientation: 0 deg E of N Pixel scale = 0.997 arcsec/pixel FL=2723mm) </p> <p style="font-size: x-small; text-align: right;"> James Yoder Date(s) 2022.04.02 - 2022.04.08 Location: Chandler, AZ Config: C-11 HD, Starline, RingStar - (OPT) 126 Exposure Info: 370img@4min Gain: 3300 Offset: 180 </p>
<p>M-4 (NGC-6121) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Scorpius Coordinates: 16h 23' 35" -26° 31' 29"</p> <p>Close Star: SAO-184415 (Antares) Catalog Objects: M-4/NGC-6121 Imaging Window: *01:53 – 04:39 Transit: 03:36 30°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;"> Globular Cluster Messier 4 Constellation: Scorpius RA = 16h 23m 35.0s, Dec = -26deg 31' 29.4" (Size = 17.8 x 27.0 arcmin Orientation: 0 deg E of N Pixel scale = 0.952 arcsec/pixel FL=2723mm) </p> <p style="font-size: x-small; text-align: right;"> James Yoder Date(s) 2022.04.02 - 2022.04.08 Location: Chandler, AZ Config: C-11 HD, Starline, RingStar - (OPT) 126 Exposure Info: 370img@4min Gain: 3300 Offset: 180 </p>


Prospective Imaging Objects – April 08 2024

<p>Hercules Cluster(M-13) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Hercules Coordinates: 16h 41' 41" 36° 27' 39"</p> <p>Close Star: SAO-067174 (Vega) Catalog Objects: M-13/NGC-6205 Imaging Window: 12:16 – 04:39 Transit: 03:54 87°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Great Hercules Cluster M-13 (NGC-6205) Constellation: Hercules RA = 16h 41m 36.5s DEC = 36deg 27' 34.4" Size = 19 x 16.1 arcmin Orientation: 9deg E of N. Pixel scale = 0.442 arcsec/pixel Exposure Info: 2023/03/26 21:22 Location: Casa de Sotomayor, Chile, 32° Config: C-11 HD Star Filter: QHY128L F5 - 240s Exposure Info: 400img/Star - Gain: 3000 - 100% (100%)</p>
<p>Turtle Nebula (NGC-6210) Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Hercules Coordinates: 16h 44' 29" 23° 48' 02"</p> <p>Close Star: SAO-84411 (Kornephoros) Catalog Objects: NGC-6210 Imaging Window: 12:39 – 04:39 Transit: 03:57 80°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Planetary Nebula NGC-6210 Constellation: Hercules Coordinates: RA = 16h 44m 26.26s DEC = 23deg 47' 46.8" Size = 27 x 19 arcmin Orientation: 9deg E of N. Pixel scale = 0.27 arcsec/pixel FL 200mm Exposure Info: 2023/03/26 21:22 Location: Casa de Sotomayor, Chile, 32° Config: C-11 HD Star Filter: QHY128L F5 - 240s Exposure Info: 400img/Star - Gain: 3000 - 100% (100%)</p>
<p>M-12(NGC-6218) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Ophiuchus Coordinates: 16h 47' 15" -01° 56' 50"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-12/NGC-6218 Imaging Window: 02:50 – 04:39 Transit: 04:00 55°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p>  <p style="font-size: small;">Globular Cluster Messier 12 Constellation: Ophiuchus Coordinates: RA = 16h 47m 15.0s DEC = -01deg 57' 39.8" Size = 17.7 x 27.8 arcmin Orientation: 9.8deg E of N. Pixel scale = 0.452 arcsec/pixel FL = 272mm Exposure Info: 2023/03/21 22:23:59.21 Location: Casa de Sotomayor, Chile, 32° Config: C-11 HD Star Filter: QHY128L F5 - 240s Exposure Info: 400img/Star - Gain: 3000 - 100% (100%)</p>



Prospective Imaging Objects – April 08 2024

<p>M-10(NGC-6254) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Ophiuchus Coordinates: 16h 57' 09" -04° 05' 56"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-10/NGC-6254 Imaging Window: 02:28 – 04:39 Transit: 04:09 53°</p>	<p>C-11 HD: Primary Focus</p> 
<p>M-62 Region (NGC-6266) Config: C11-HD HS ZWO6200MC</p> <p>Type: Globular Cluster</p> <p>Constellation: Ophiuchus Coordinates: 16h 25' 36" -23° 27' 00"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-62/NGC-6266 Imaging Window: *02:10 – 04:39 Transit: 04:13 33°</p>	<p>C-11 HD: HyperStar v4</p> 
<p>M-62(NGC-6266) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Ophiuchus Coordinates: 17h 01' 13" -30° 06' 42"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-62/NGC-6266 Imaging Window: *02:10 – 04:39 Transit: 04:13 33°</p>	<p>C-11 HD: Primary Focus</p> 

Prospective Imaging Objects – April 08 2024

<p>M-19(NGC-6273) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Ophiuchus Coordinates: 17h 02' 38" -26° 16' 03"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-19/NGC-6273 Imaging Window: *02:32 – 04:39 Transit: 04:15 30°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>Box Nebula (NGC-6309) Config: C11HD ZWO6200MC </p> <p>Type: Planetary Nebula</p> <p>Constellation: Hercules Coordinates: 17h 14' 04" -12° 54' 37"</p> <p>Close Star: SAO-160332 (Sabik) Catalog Objects: NGC-6309 Imaging Window: *01:48 – 04:39 Transit: 04:26 44°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 
<p>M-92(NGC-6341) Config: C11HD ZWO6200MC </p> <p>Type: Globular Cluster</p> <p>Constellation: Hercules Coordinates: 17h 17' 07" 43° 08' 13"</p> <p>Close Star: SAO-067174 (Vega) Catalog Objects: M-92/NGC-6341 Imaging Window: 12:46 – 04:39 Transit: 04:29 80°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 

Prospective Imaging Objects – April 08 2024

<p>M-9(NGC-6333) Config: C11-HD FR ZWO6200MC </p> <p>Type: Glob Cluster & DNeB</p> <p>Constellation: Ophiuchus Coordinates: 17h 18' 24" -18° 34' 58"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-9/NGC-6333 Imaging Window: *02:26 – 04:39 Transit: 04:31 38°</p>	<p style="text-align: center;">C-11 HD: Focal Reducer</p> 
<p>M-9(NGC-6333) Config: C11HD ZWO6200MC </p> <p>Type: Glob Cluster & DNeB</p> <p>Constellation: Ophiuchus Coordinates: 17h 19' 12" -18° 30' 57"</p> <p>Close Star: SAO-160006 (zeta Ophi) Catalog Objects: M-9/NGC-6333 Imaging Window: *02:26 – 04:39 Transit: 04:31 38°</p>	<p style="text-align: center;">C-11 HD: Primary Focus</p> 

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Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

HyperStar: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Nebula	Nebula	SH2-1	*01:28-04:39	03:11	31	Scorpius: Diffuse Nebula
HyperStar	Nebula	Nebula	IC-4592	*01:17-04:39	03:25	33	Scorpius: Blue Horsehead Nebula

HyperStar: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
HyperStar	Broad Spectrum	Galaxies	IC-2574	08:39 – 01:05	09:42	06	Leo: Galaxy Group 2574
HyperStar	Broad Spectrum	Galaxies	M-96, 95 Et EI	08:59 – 12:56	10:00	07	Leo: Leo Galaxy Group
HyperStar	Broad Spectrum	Gal, PN	M108 & NGC3587	08:39 – 02:17	10:25	08	Ursa Major: M104 and Owl Nebula
HyperStar	Broad Spectrum	Galaxies	Galaxy Group 106	08:39 – 03:25	11:32	15	Canes Venatici: Galaxy Group M-106
HyperStar	Broad Spectrum	Galaxies	Markarian Chain	08:45 – 02:37	11:38	17	Virgo: Galaxy Chain
HyperStar	Broad Spectrum	Galaxies	Markarian Chain2	08:45 – 02:37	11:38	17	Virgo: Galaxy Chain2
HyperStar	Broad Spectrum	Galaxies	Galaxy Group 58	09:01 – 02:47	11:51	22	Virgo Galaxy Group M-58
HyperStar	Broad Spectrum	DN, GC	M-62 Region	*02:10-04:39	04:13	37	Ophiuchus: Globular Cluster and Dark Nebula

Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

Focal Reducer: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Broad Spectrum	Nebula	SH2-9	01:42 – 04:39	03:34	34	Scorpius: Nebula next to Antares

Focal Reducer: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Focal Reducer	Broad Spectrum	Galaxies	M-81 & M-82	08:39 – 12:26	09:09	03	Rot90° Ursa Major: Galaxy Pair Bode's Cigar
Focal Reducer	Broad Spectrum	Galaxies	M-95 & M-96	08:39 – 12:53	09:57	07	Leo: Galaxy Pair
Focal Reducer	Broad Spectrum	Galaxies	M65, et. El.	08:39 – 01:34	10:33	10	Comp2! Leo Trio of galaxies (M65, M66, NGC3628)
Focal Reducer	Broad Spectrum	Galaxies	M-106, NGC4248	08:39 – 03:25	11:32	15	Canes Venatici: Galaxies
Focal Reducer	Broad Spectrum	Galaxies	M-84 et. El.	08:45 – 02:37	11:38	17	Virgo: Markarians Chain
Focal Reducer	Broad Spectrum	Galaxies	M-91, NGC4548	08:51 – 02:52	11:48	19	Coma Berenices: Galaxy Pair
Focal Reducer	Broad Spectrum	Galaxies	NGC4631, 4656	08:22 – 03:35	11:55	23	Canes Venatici: Whale and Hockey Stick
Focal Reducer	Broad Spectrum	Galaxies	M-59, M-60	09:06 – 02:51	11:55	23	Virgo: Galaxy Group
Focal Reducer	Broad Spectrum	Galaxies	NGC-4725 et. El.	08:41 – 03:32	12:03	24	Coma Berenices Galaxy Group
Focal Reducer	Broad Spectrum	Galaxies	Abell-1656	08:47 – 03:45	12:13	26	Coma Berenices: Coma Galaxy Cluster
Focal Reducer	Broad Spectrum	DN, GC	M-9	*02:26-04:39	04:31	39	Ophiuchus: Globular Cluster and Dark Nebula

Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

Primary Focus: Nebula

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Nebula	PN	NGC-3242	*08:39-11:43	09:38	06	Hydra: Ghost of Jupiter
Primary Focus	Nebula	PN	M-97	08:39 – 02:20	10:28	09	Ursa Major: Owl Nebula
Primary Focus	Nebula	PN	NGC-4361	*09:36-01:45	11:37	16	Corvus: Small Planetary Nebula
Primary Focus	Nebula	PN	IC-3568	*08:39-04:42	11:46	19	Camelopardalis: Lemon Slice Nebula
Primary Focus	Nebula	PN	NGC-6058	11:35 – 04:39	03:17	32	Hercules: Small PN
Primary Focus	Nebula	PN	IC-4593	12:34 – 04:39	03:24	33	Hercules: White Eyed Pea
Primary Focus	Nebula	PN	Abell-39	12:16 – 04:39	03:44	35	Hercules: Perfect Planetary PK 47+42.1
Primary Focus	Nebula	PN	NGC-6210	12:39 – 04:39	03:57	36	Hercules: Small PN Turtle Nebula
Primary Focus	Nebula	PN	NGC-6309	*01:48-04:39	04:26	38	Hercules: Box Nebula
Primary Focus	Nebula	PN					

Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

Primary Focus: Broad Spectrum

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	Galaxy	NGC-2685	08:39 – 12:05	08:46	02	Ursa Major: Helix Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-2903	08:39 – 12:05	08:46	02	Leo: Med Face On Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-81	08:39 – 12:29	09:09	03	Ursa Major: Bode's Nebula
Primary Focus	Broad Spectrum	Galaxy	M-82	08:39 – 12:26	09:09	04	Ursa Major: Cigar Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-3115	*08:39-12:27	09:19	04	Sextans: Spindle Galaxy
Primary Focus	Broad Spectrum	Galaxy	UGC-5470	08:39 – 12:19	09:22	04	Leo: Powder keg Galaxy UGC-5470
Primary Focus	Broad Spectrum	Galaxies	NGC-3166, 3169	08:39 – 11:54	09:27	05	Sextans: Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	Hickson 44	08:39 – 12:52	09:31	05	Leo: Galsxy Group NGC-3190, 3189
Primary Focus	Broad Spectrum	Galaxy	NGC-3184	08:39 – 01:21	09:32	05	Ursa Major: Med Face On Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-3227, 3226	08:39 – 12:53	09:37	06	Leo: Interacting Galaxies
Primary Focus	Broad Spectrum	Galaxy	IC-2574	08:39 – 01:05	09:42	07	Leo: Coddington's Nebula
Primary Focus	Broad Spectrum	Galxies	NGC-3379 et. El.	08:39 – 12:59	10:01	08	Leo: Leo Trio 2 of galaxies
Primary Focus	Broad Spectrum	Galaxies	NGC-3561 et. El	08:39 – 02:17	10:25	08	Ursa Major: Abartsumian's Knot et. El.
Primary Focus	Broad Spectrum	Galaxy	M-108	08:39 – 02:17	10:25	09	Ursa Major: Irregular Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-3628	08:39 – 01:34	10:33	10	Leo: Edge on Galalaxy
Primary Focus	Broad Spectrum	Galaxies	M-65, M-66	08:39 – 01:33	10:33	11	Leo: Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	Arp-214	08:39 – 02:39	10:46	11	Ursa Major: Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	NGC-3745 et. El	08:39 – 02:12	10:51	11	Leo: Copeland's Septet
Primary Focus	Broad Spectrum	Galaxies	Abell-1367	08:39 – 02:15	10:58	12	Leo: Galaxy Cluster
Primary Focus	Broad Spectrum	Galaxies	Arp-248	*08:39-01:56	11:00	12	Ursa Major: Wild's Triplet
Primary Focus	Broad Spectrum	Galaxy	M-109	08:39 – 03:04	11:11	12	Ursa Major: Face on med spiral galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-4027	*09:13-01:17	11:13	13	Corvus: Irregular galaxy
Primary Focus	Broad Spectrum	Galaxies	Arp-244	*09:19-01:23	11:15	13	Corvus: Antennae Galaxies

Prospective Imaging Objects – April 08 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	Galaxy	M-98	08:39 – 02:31	11:27	13	Cooma Berenices: Barred Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-4236	08:39 – 02:48	11:30	14	Draco: Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-4244	08:39 – 03:16	11:30	14	Canes Venatici: Silver Needle
Primary Focus	Broad Spectrum	Galaxy	M-99	08:39 – 02:35	11:32	14	Coma Berenices: St. Katherines Wheel
Primary Focus	Broad Spectrum	Galaxy	M-61	09:10 – 02:06	11:35	15	Virgo: Face on Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxies	M-40	08:39 – 03:25	11:35	16	Ursa Major: Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	M-100	08:39 – 02:43	11:36	16	Coma Berenices: Set of Galaxies
Primary Focus	Broad Spectrum	Galaxy	NGC-4449	08:39 – 03:33	11:41	18	Canes Venatici: Interesting Irregular Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-49	09:05 – 02:27	11:43	18	Virgo: Elliptical Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-87	08:52 – 02:42	11:44	18	Virgo: Virgo A Elliptical Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-4490	08:39 – 03:33	11:44	19	Canes Venatici: Interacting Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	M-91	08:51 – 02:52	11:48	20	Coma Berenices: Galaxy Pair
Primary Focus	Broad Spectrum	Galaxies	M-89 et. El	08:57 – 02:47	11:49	20	Virgo: Galaxy Group
Primary Focus	Broad Spectrum	Galaxy	NGC-4559	08:23 – 03:21	11:49	20	Coma Berenices: Barred Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-4567	09:01 – 02:44	11:49	21	Virgo: Siamese Twins et. El.
Primary Focus	Broad Spectrum	Galaxy	NGC-4565	08:26 – 03:18	11:49	21	Coma Berenices: Needle Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-90	08:56 – 02:50	11:50	21	Virgo: Med Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-58	09:0-1 – 02:47	11:51	22	Virgo: Barred Spiral Galaxy
Primary Focus	Broad Spectrum	Globular	M-68	*10:09-01:45	11:52	22	Hydra: Med Globular
Primary Focus	Broad Spectrum	Galaxy	M-104	*09:41-02:07	11:53	23	Virgo: Sombrero Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-4676 A&B	08:25 – 03:36	11:59	24	Coma Berenices: The Mice
Primary Focus	Broad Spectrum	Galaxies	NGC-4725	08:41 – 03:32	12:03	24	Coma Berenices: Galaxy Group
Primary Focus	Broad Spectrum	Galaxy	M-94	08:21 – 03:53	12:04	25	Canes Venatici: Med Galaxy
Primary Focus	Broad Spectrum	Galaxy	NGC-4731	*09:58-02:12	12:04	25	Virgo: Barred Spiral Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-4762, 4754	09:18 – 03:00	12:06	25	Virgo: Edge on and other Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-64	08:55 – 03:30	12:10	26	Coma Berenices: Black Eye Galaxy
Primary Focus	Broad Spectrum	Galaxies	Abell-1656	08:47 – 03:45	12:13	26	Coma Berenices: Coma Galaxy Cluster
Primary Focus	Broad Spectrum	Globular	M-53	09:19 – 03:39	12:26	27	Coma Berenices: Med Globular

Prospective Imaging Objects – April 08 2024

Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
Primary Focus	Broad Spectrum	Galaxy	NGC-5033	08:48 – 04:11	12:26	27	Canes Venatici: Med Face on Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-63	08:45 – 04:19	12:29	27	Canes Venatici: Med Face on Galaxy
Primary Focus	Broad Spectrum	Globular	NGC-5053	09:24 – 04:39	12:29	28	Coma Berenices Large open Globular
Primary Focus	Broad Spectrum	Galaxy	M-51	08:56 – 04:39	12:34	28	Canes Venatici: Whirlpool Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-3	09:28 – 04:39	12:55	28	Canes Venatici: Large Globular
Primary Focus	Broad Spectrum	Galaxy	NGC-5395	09:32 – 04:39	01:11	29	Canes Venatici: Heron Galaxy
Primary Focus	Broad Spectrum	Galaxy	M-101	09:29 – 04:39	01:16	29	Ursa Major: Pinwheel Galaxy
Primary Focus	Broad Spectrum	Globular	NGC-5466	09:51 – 04:39	01:18	29	Bootes: Large open globular
Primary Focus	Broad Spectrum	Galaxy	M-102	10:33 – 04:39	02:19	30	Draco: Spindle Galaxy
Primary Focus	Broad Spectrum	Galaxies	NGC-5905, 5908	10:42 – 04:39	02:28	30	Draco: Face on and Edge on galaxy pair
Primary Focus	Broad Spectrum	Galaxy	NGC-5907	10:43 – 04:39	02:28	30	Draco: Splinter Galaxy
Primary Focus	Broad Spectrum	Globular	M-5	12:16 – 04:39	02:31	31	Serpens: Med Globular
Primary Focus	Broad Spectrum	Galaxies	NGC-5985, 81, 82	11:10 – 04:39	02:52	31	Draco: Draco Trio of galaxies
Primary Focus	Broad Spectrum	Galaxies	NGC-6027A-E	12:00 – 04:39	03:12	32	Serpens: Seyfert's Sextet
Primary Focus	Broad Spectrum	Galaxies	Abell-2151	11:35 – 04:39	03:17	32	Hercules: Hercules Galaxy Cluster
Primary Focus	Broad Spectrum	Galaxy	Arp-188	11:32 – 04:39	03:18	33	Draco: Tadpole Galaxy
Primary Focus	Broad Spectrum	Globular	M-80	*01:20-04:39	03:29	34	Scorpius: Med Globular NGC-6093
Primary Focus	Broad Spectrum	Globular	M-4	*01:53-04:39	03:36	34	Scorpius: Large Globular Cluster NGC-6121
Primary Focus	Broad Spectrum	Globular	M-107	*01:09-04:39	03:45	35	Ophiuchus: Med Globular NGC-6171
Primary Focus	Broad Spectrum	Globular	M-13	12:16 – 04:39	03:54	36	Hercules: The Great Hercules Globular NGC-5205
Primary Focus	Broad Spectrum	Globular	M-12	02:50 – 04:39	04:00	36	Ophiuchus: Large Globular NGC-6218
Primary Focus	Broad Spectrum	Globular	M-10	02:28 – 04:39	04:09	37	Ophiuchus: Large Globular NGC-6254
Primary Focus	Broad Spectrum	Globular	M-62	*02:10-04:39	04:13	37	Ophiuchus: Large Globular NGC-6266
Primary Focus	Broad Spectrum	Globular	M-19	*02:32-04:39	04:15	38	Ophiuchus: Med Globular NGC-6273
Primary Focus	Broad Spectrum	Globular	M-92	12:46 – 04:39	04:29	38	Hercules: Med Globular NGC-6341
Primary Focus	Broad Spectrum	Globular	M-9	*02:26-04:39	04:31	39	Ophiuchus: Med Globular NGC-6333

Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

Primary Prospects

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	HyperStar	Broadband	Galaxies	IC-2574 Et. El.	08:38 – 01:05	09:42	06	Leo: Galaxy Group 2574
	HyperStar	Broadband	Galaxies	M-106 et. El	08:39 – 03:25	11:32	15	Canes Venatici: Galaxy Group 106
	HyperStar	Broadband	Galaxies	M-84 Et. El	08:45 – 02:37	11:38	17	Virgo: Markarian Chain 2
	HyperStar	Broadband	Galaxies	M-58 Et. El	09:01 – 02:47	11:51	22	Virgo: Galaxy Group M-58
	HyperStar	Nebula	Nebula	SH2-1	*01:28-04:39	03:11	31	Scorpius: Blue Nebula
	HyperStar	Broadband	DN, GC	M-62 Region	*02:10-04:39	04:13	37	Ophiuchus: M-62 Region
	Focal Reducer	Broadband	Galaxies	M-81, M-82	08:39 – 12:26	09:09	03	Rot Ursa Major: Bode's Cigar
	Focal Reducer	Broadband	Galaxies	M-84 et. El.	08:45 - 02:37	11:38	17	Virgo: Markarian's Chain
	Focal Reducer	Broadband	Galaxies	M-91	08:51 – 02:52	11:48	19	Coma Berenices: Galaxy Pair
	Focal Reducer	Broadband	Galaxies	Abell-1656	08:47 – 03:45	12:13	26	Coma Berenices: Coma Galaxy Cluster
	Focal Reducer	Nebula	Nebula	SH2-9	01:42 – 04:39	03:34	34	Scorpius: Diffuse Nebula near star
	Focal Reducer	Broadband	DN & GC	M-9	*02:26-04:39	04:31	39	Ophiuchus: Dark Nebula and Globular
	Primary Focus	Broadband	Galaxy	NGC-2685	08:39 – 12:05	08:46	02	Ursa Major: Helix Galaxy
	Primary Focus	Broadband	Galaxy	NGC-3115	*08:39-12:27	09:19	04	Sextans: Spindle Galaxy
	Primary Focus	Broadband	Galaxies	NGC3227, 3226	08:39 – 12:53	09:37	06	Leo: Interacting Galaxies
	Primary Focus	Broadband	Galaxies	NGC-3561 et. El.	08:39 – 02:17	10:25	08	Ursa Major: Ambartsumian's Knot
	Primary Focus	Broadband	Galaxy	M-108	08:39 – 02:17	10:25	09	Ursa Major: Irregular Galaxy NGC-3555
	Primary Focus	Broadband	Galaxies	NGC-3746 Et. El.	08:39 – 02:12	10:51	11	Leo: Copeland's Septet
	Primary Focus	Broadband	Galaxies	Arp-248	*08:39-01:56	11:00	12	Ursa Major: Wild's Triplet
	Primary Focus	Broadband	Galaxy	M-109	08:39 – 03:04	11:11	12	Ursa Major: Face on Spiral
	Primary Focus	Broadband	Galaxies	Arp-244	*09:19-01:23	11:15	13	Corvus: Antennae Galaxies

Prospective Imaging Objects – April 08 2024

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Comments
	Primary Focus	Broadband	Galaxy	M-98	08:39 – 02:31	11:27	13	Coma Berenices: Galaxy NGC-4192
	Primary Focus	Broadband	Galaxy	NGC-4244	08:39 – 03:16	11:30	14	Canes Venatici: Sliver Needle Galaxy
	Primary Focus	Broadband	Galaxy	M-99	08:39 – 02:35	11:32	14	Coma Berenices: St. Katherines Wheel
	Primary Focus	Broadband	Galaxy	M-61	09:10 – 02:06	11:35	15	Virgo: Med Face-on Galaxy
	Primary Focus	Broadband	Galaxies	M-100 et. El.	08:39 - 02:43	11:36	16	Coma Berenices: Galaxy Group 100
	Primary Focus	Broadband	Galaxy	NGC-4449	08:39 – 03:33	11:41	18	Canes Venatici: Irregular Galaxy
	Primary Focus	Broadband	Galaxy	NGC-4559	08:23 – 03:21	11:49	20	Coma Berenices: Barred Spiral Galaxy
	Primary Focus	Broadband	Galaxies	NGC-4567 et. El.	09:01 – 02:44	11:49	21	Virgo: Siamese Twins
	Primary Focus	Broadband	Galaxy	M-90	08:56 – 02:50	11:50	21	Virgo: Med Galaxy
	Primary Focus	Broadband	Galaxy	M-58	09:01 – 02:47	11:51	22	Virgo: Barred Spiral Galaxy NGC-4579
	Primary Focus	Broadband	Globular	M-68	*10:09-01:45	11:52	22	Hydra: Med Globular
	Primary Focus	Broadband	Galaxies	NGC-4731	*09:58-02:12	12:04	25	Virgo: Face on Barred Spiral
	Primary Focus	Broadband	Galaxies	NGC-4762, 4754	09:18 – 03:00	12:06	25	Virgo: Galaxy Pair
	Primary Focus	Broadband	Galaxy	NGC-5033	08:48 – 04:11	12:26	27	Canes Venatici: Face on Galaxy PGC-45948
	Primary Focus	Broadband	Galaxies	NGC-5395 Et. El.	09:32 – 04:39	01:11	29	Canes Venatici: Heron Galaxy Et. El.
	Primary Focus	Broadband	Galaxies	Abell-2151	11:35 – 04:39	03:17	32	Hercules: Hercules Galaxy Cluster
	Primary Focus	Nebula	PN	NGC-6058	11:35 – 04:39	03:17	32	Hercules: Small Planetary nebula
	Primary Focus	Nebula	PN	IC-4593	12:34 – 04:39	03:24	33	Hercules: White Eyed Pea
	Primary Focus	Broadband	GC	M-107	*1:09-04:39	03:45	35	Ophiuchus: Med Globular
	Primary Focus	Broadband	GC	M-10	02:28 – 04:39	04:09	37	Ophiuchus: Large Globular
	Primary Focus	Broadband	GC	M-62	*02:10-04:39	04:13	37	Ophiuchus: Large Globular
	Primary Focus	Broadband	GC	M-19	*02:32-04:39	04:15	38	Ophiuchus: Large Globular
	Primary Focus	Nebula	PN	NGC-6309	*01:48-04:39	04:26	38	Hercules: Box Nebula

Prospective Imaging Objects – April 08 2024

Imaging Summary April 08, 2024

Astronomical Dusk = 08:19

Astronomical Dawn = 04:39

Imaging Plans

Plan	Configuration	Class	Type	Object	Imaging Window	Transit	Page Ref	Imaging Schedule
	HyperStar	Nebula	Nebula	SH2-240				07:00 – 02:30 (Rot 90°, Comp-2)
	HyperStar	Nebula	Nebula	IC-2162				08:00 – 02:30 (Rot 90°)
	HyperStar	Nebula	Nebula	NGC-1499				07:00 – 01:00
	HyperStar	Broadband	Galaxies	M-106 et. El.				01:00 – 06:00
	Focal Reducer	Nebula	Nebula	IC-443				08:00 – 03:00 (Comp-2)
	Focal Reducer	Broadband	Galaxies	M-84 et. El.				03:00 – 06:00
	Focal Reducer	Nebula	Nebula	IC-1805				07:00 – 10:30
	Focal Reducer	Nebula	Nebula	NGC-2174				10:30 – 02:30
	Focal Reducer	Broadband	Galaxies					
	Primary Focus	Nebula	PN	NGC-1360				07:00 – 10:30
	Primary Focus	Nebula	PN	NGC-2440				10:30 – 01:30
	Primary Focus	Nebula	PN	NGC-2610				01:30 – 03:30
	Primary Focus	Broad Spectrum	Globular	M-68				03:30 – 06:00
	Primary Focus	Nebula	Nebula					
	Primary Focus	Nebula	Nebula					
	Primary Focus	Broad Spectrum	Galaxy					
	Primary Focus	Broad Spectrum	Galaxy					
	Primary Focus	Broad Spectrum	Galaxy					