

Gary Frishkorn

Orionid Fireball with Persistent Train 10/21/2017 8:01 UT

6x8 degree subframes, f/2.4 ISO:1600 5 sec. exposures, Bellatrix at top edge



8:01:25



8:01:32



8:01:40



8:01:47



8:01:54



8:02:02

Orionid Fireball with Persistent Train 10/21/2017 8:01 UT

6x8 degree subframes, f/2.4 ISO:1600 5 sec. exposures, Bellatrix at top edge



8:02:09



8:02:16



8:02:24



8:02:31



8:02:38



8:02:46



Joe Bohanon, Star Trails
(Image spanning two years)



Matt Krutar
HAL Public Star Party
December 2nd, 2017



Super Moon

HAL Public Star Party, 02 Dec 2017
Watson Telescope, MallinCam Universe
David Stein and Jim Johnson



Chris Miskiewicz
Orion Atlas Mount
Skywatcher Esprit 100

Horsehead and Flame Nebula
QSI 683wsg-5 Astrodon RGB & Ha 3nm
R 15x1min, G 15x1min, B 15x1min, & Ha 17x5min

January 19 & 26, 2018
Alpha Ridge Park
ZWO120MM-s Guide Camera

Brad Sheard





Gene Handler
Jones-1

MOON
MARE SERENITATIS
MARE VOPRUM
MARE TRANQUILLITATIS

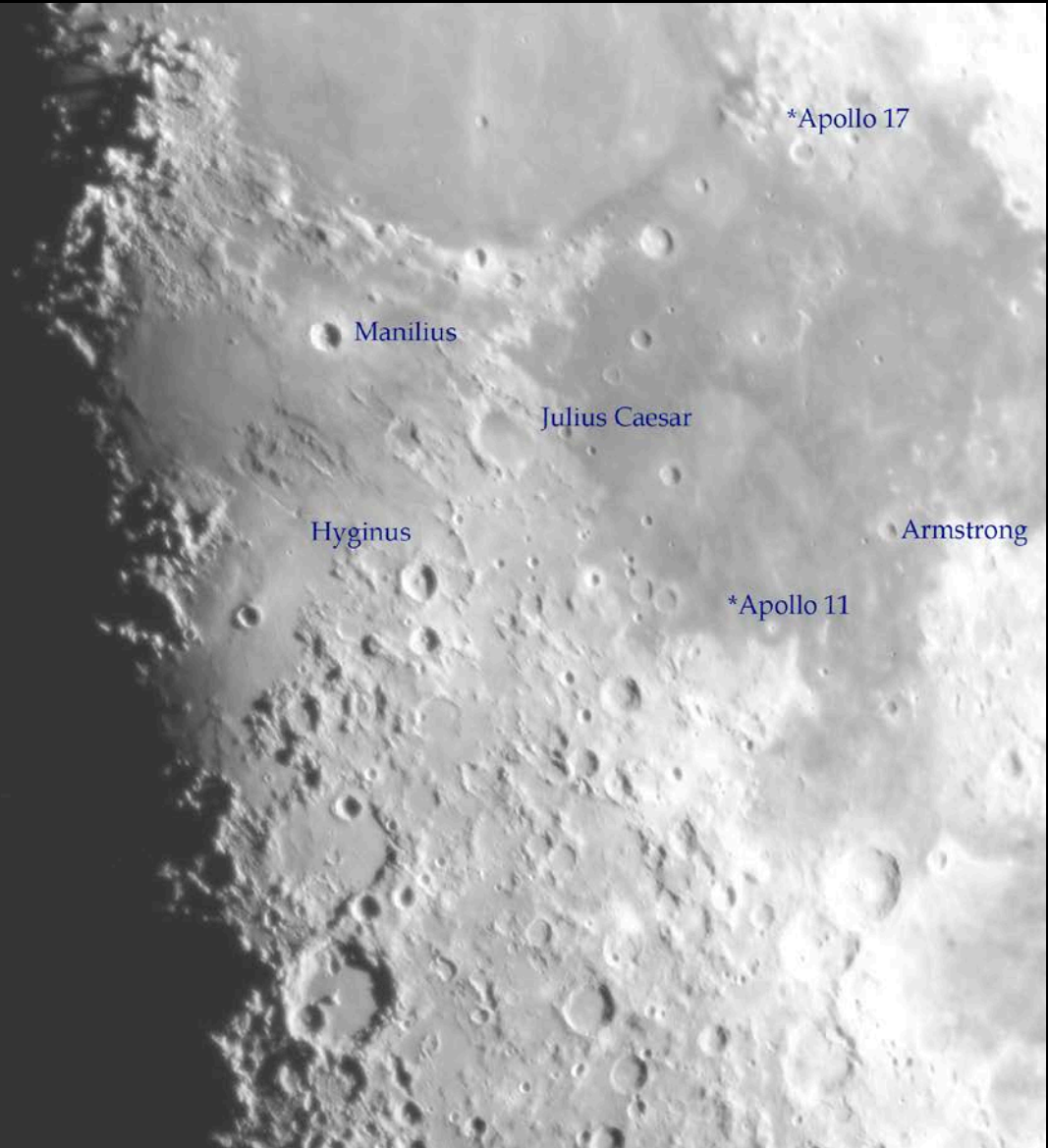
Highlighted Area
Longitude: 16°S - 28°N
Latitude: 8°E - 40°E

Date: 04/22/2018
Time: 09:51 PM EDT
Location: Elkridge, MD

Telescope: 3.5" Questar
Camera: ZWO ASI 178MM
Frames captured=20
Binning=2x2
ROI=1544x1040
FPS (avg.)=17
Shutter=4.623ms
Gain=212 (41%)

Processing
RegiStax6
Adobe Photoshop
Adobe Lightroom

Image by: Phil Whitebloom



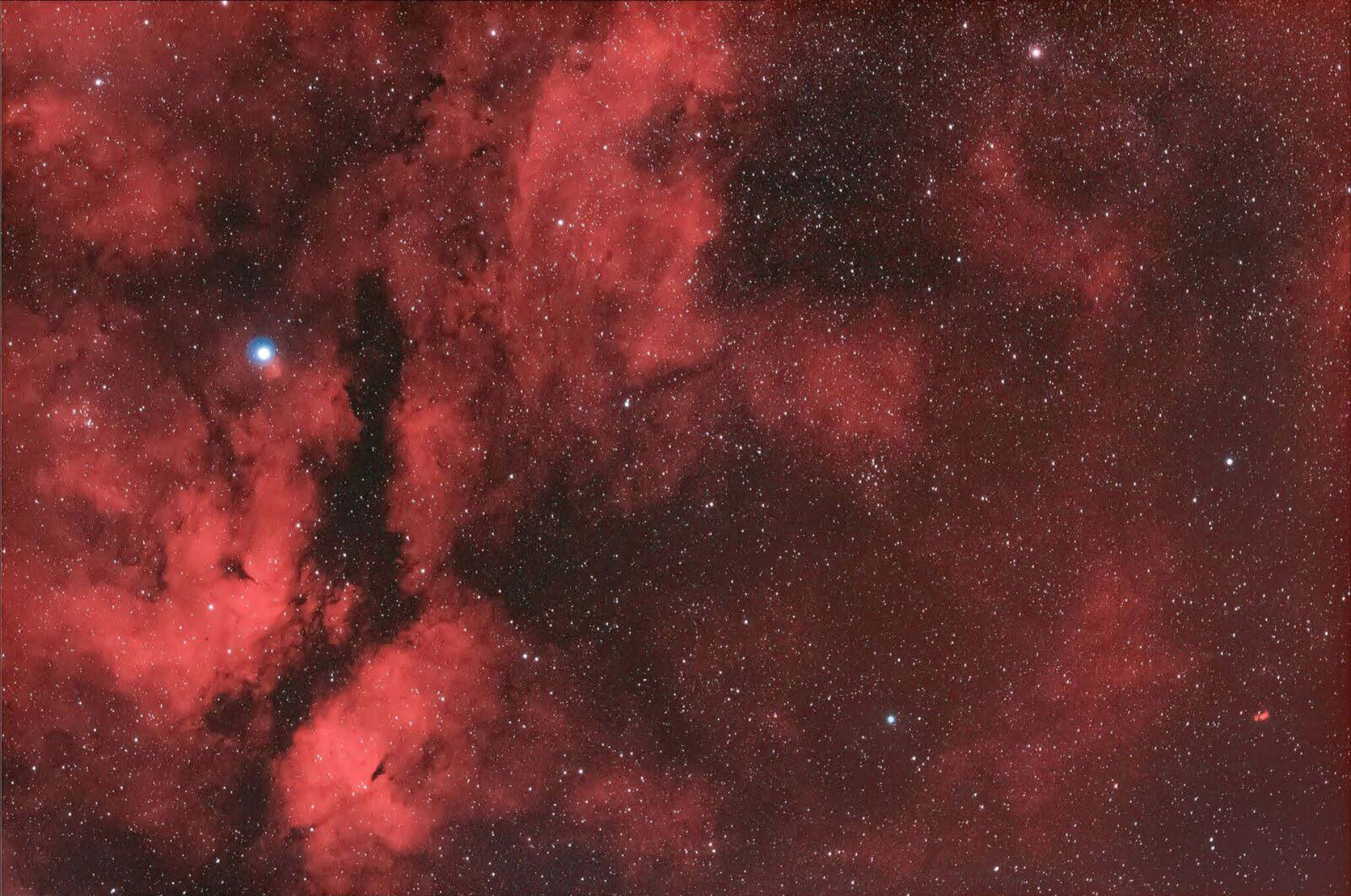


HOWARD ASTRONOMY LEAGUE
Member Star Party
or
Why I never made it out to Alpha Ridge

Saturday - May 12, 2018
Camera: Apple iPhone 8

by
Phil Whitebloom





M29 Sadr 21 in RGB

David Illig






M8, M20, and M21

David Illig



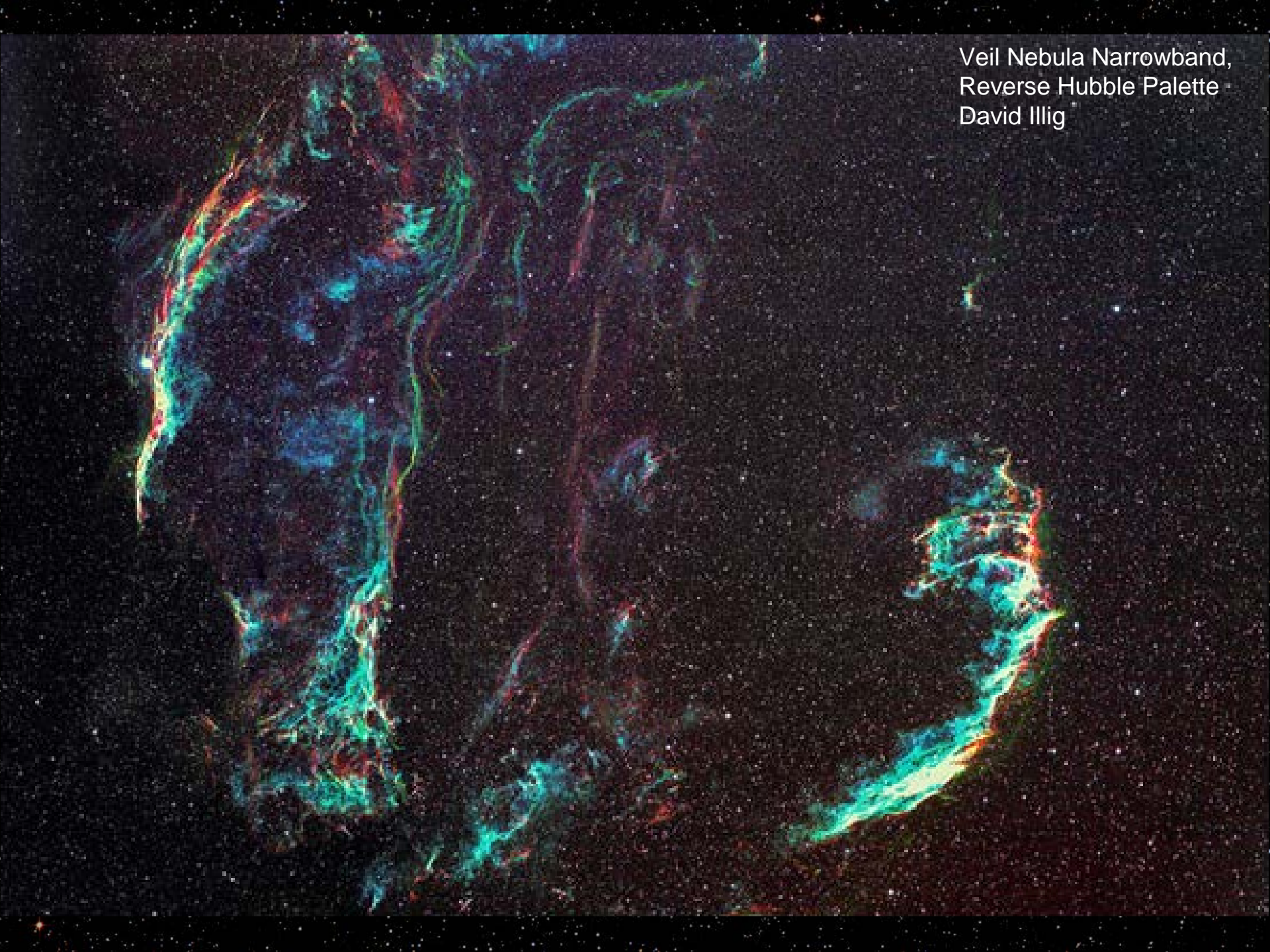


The Milky Way, Mars, Saturn, and Jupiter

Cherry Springs Star Party, PA, June 2018

James Willingham

Veil Nebula Narrowband,
Reverse Hubble Palette
David Illig



Jupiter

June 7th, 2018; 10PM - 11PM

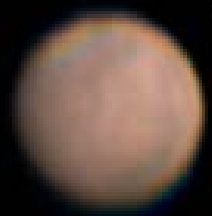
Orion 130ST, ASI224MC

Duane Dehnert





June 24th



June 29th
Good Seeing



July 7th
Poor Seeing



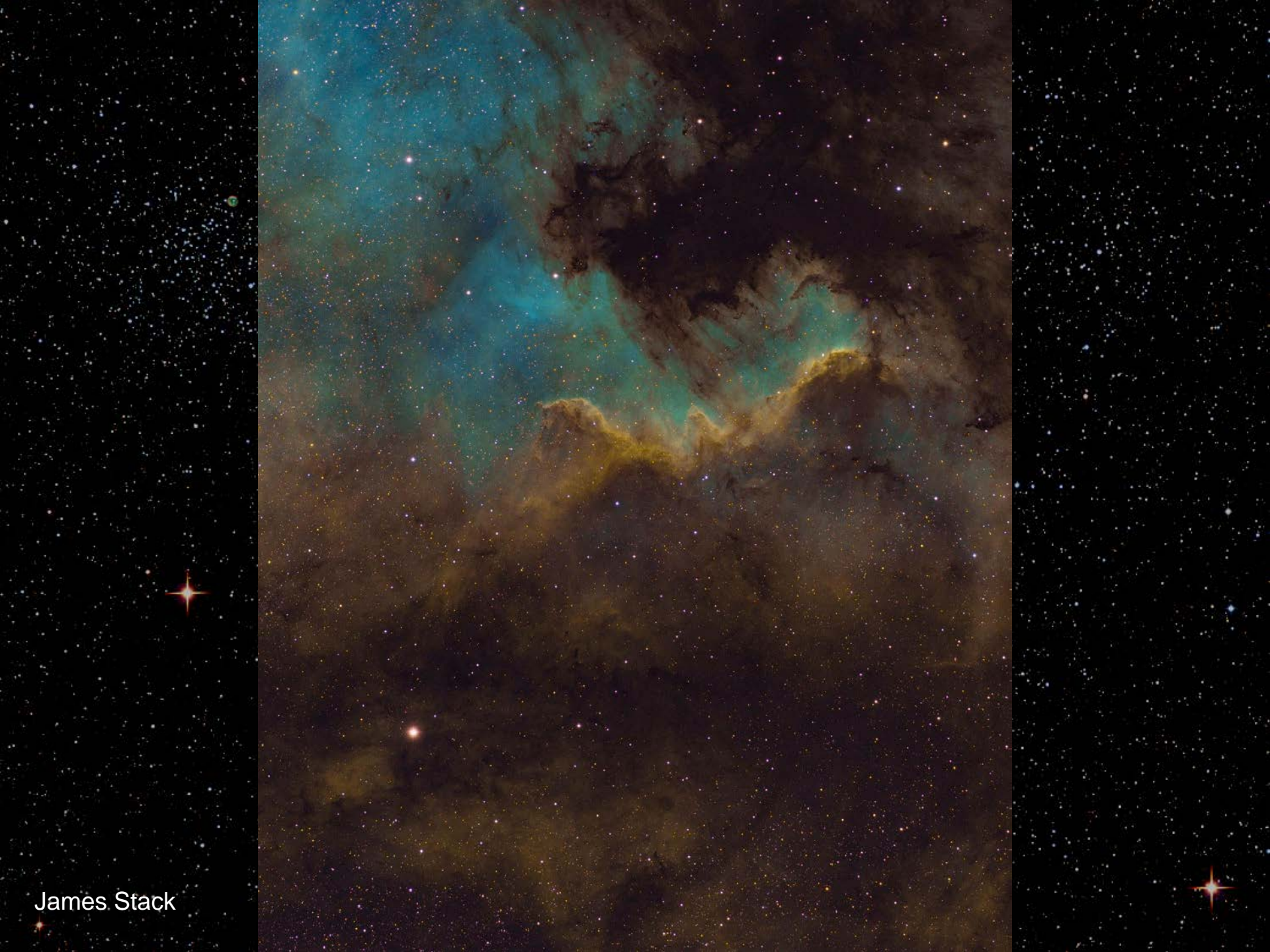
July 19th

Mars
Approaching Opposition
Orion 130ST, 2X Barlow
ASI224MC, Firecapture
AutoStakkert, RegistaX
Duane Dehnert





18 Bradley Sheard



James Stack

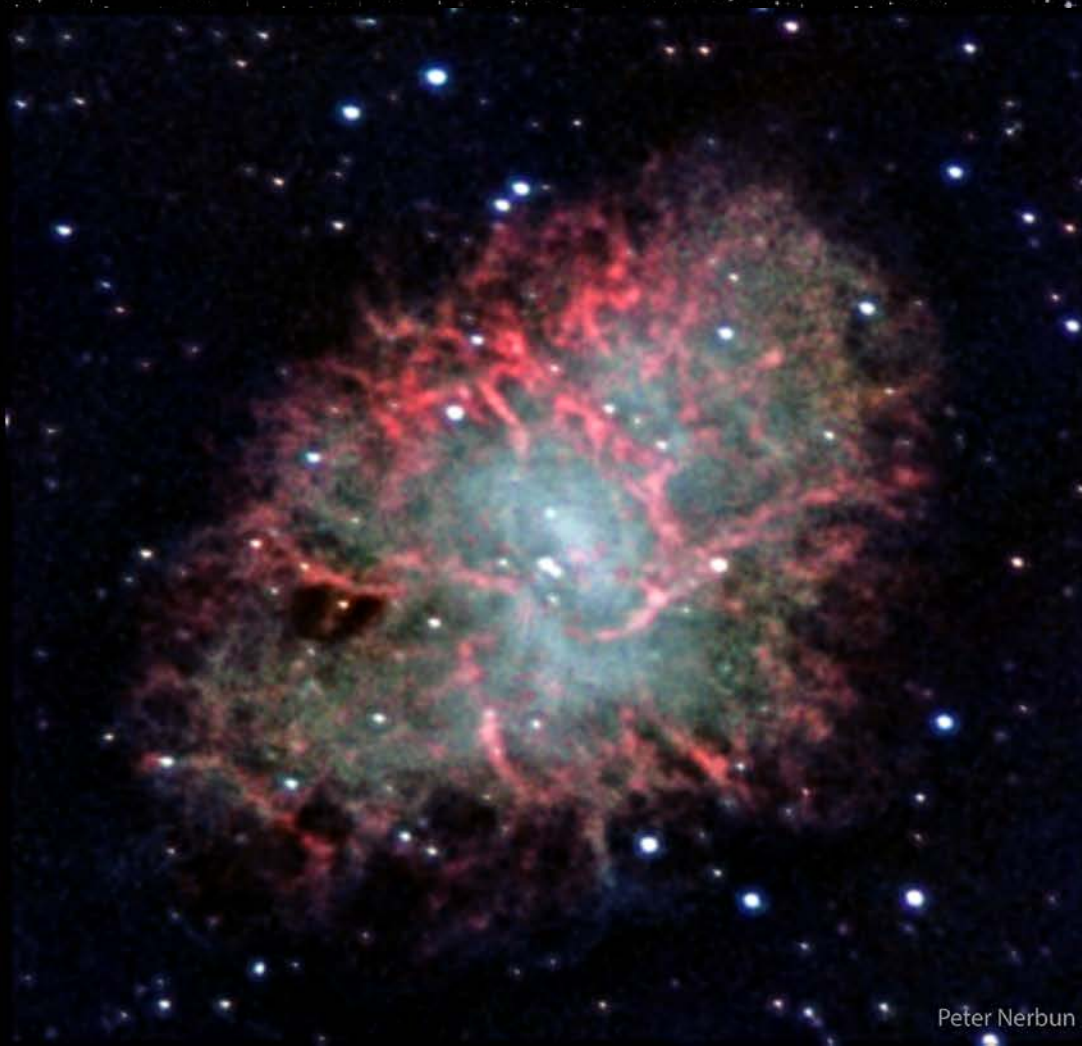




Big Meadows SNP
Cheryl Kerr, July 13, 2018



Salt Marsh Grasses in Sinepuxent Bay
Cheryl Kerr, June 16, 2018



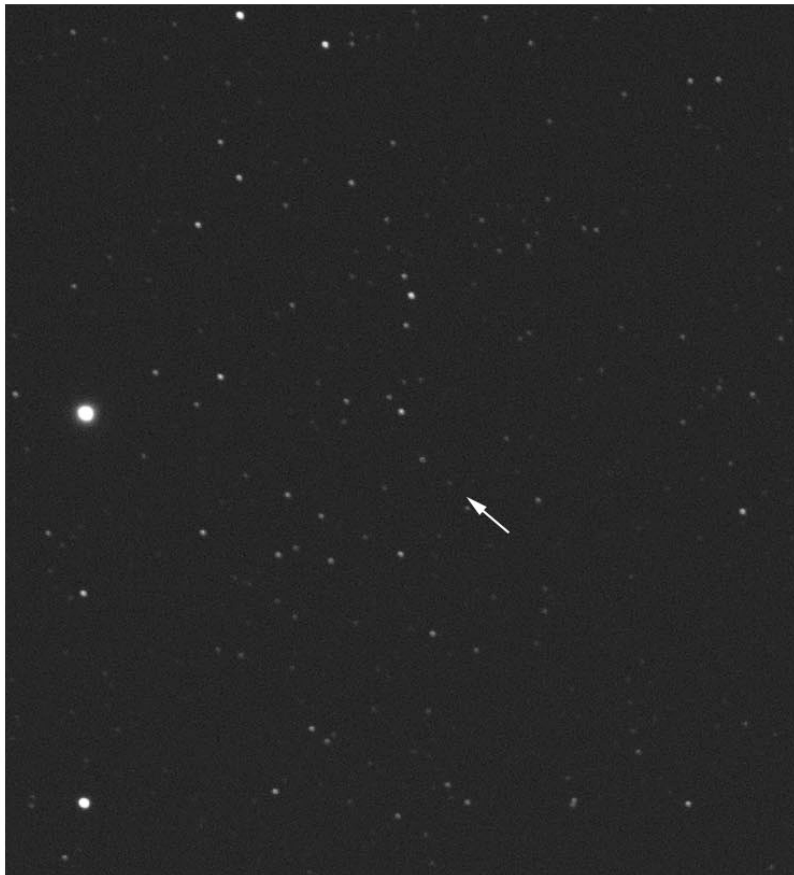
Peter Nerbun



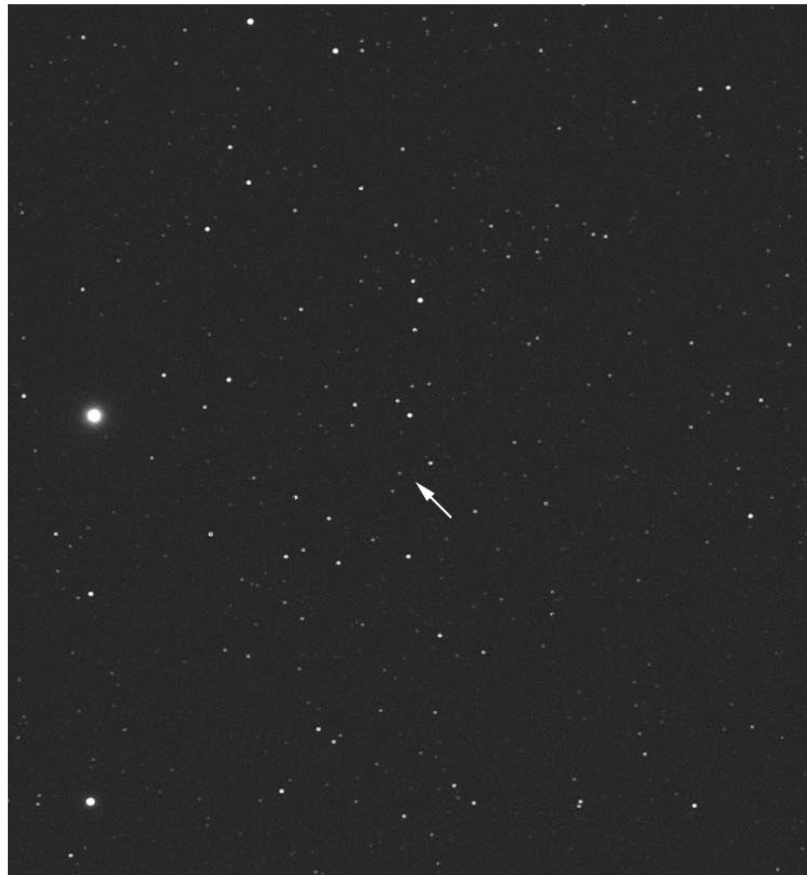


Pluto in a 4" Refractor

Jim Johnson



July 10, 2018



July 9, 2018

Supernova
Forest Arnold



Supernova, 1054AD
Chaco Canyon, NM
Forest Arnold

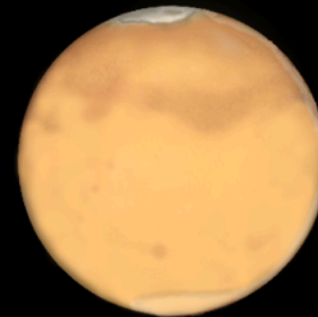


Mars at Opposition

Constellation: Capricornus
Magnitude: -2.78
Distance: 36,252,765 miles
Size: 24.2 arcseconds
Phase: 100%
CM: 142 degrees

Telescope: 155mm Refractor
Eyepiece: 4.5mm Delos with Barlow (413x)
Filters: Mars B, Red #25
Green #58, Blue #80A
Orientation: Inverted Image (South Up)

Date: 27-July-2018
Time: 00:30 to 01:30 EDT
Location: Deck of House
Drawing by: Richard Orr



Mars

Date: 09 -10 August 2018

Time: 23:15 to 00:45

Constellation: Capricornus

Magnitude: -2.6

Distance: 36,255,765 miles

Size: 23.9 arcseconds

Phase: 99%

CM: 7.2 degrees (at 00:15)

Telescope: 155mm Refractor

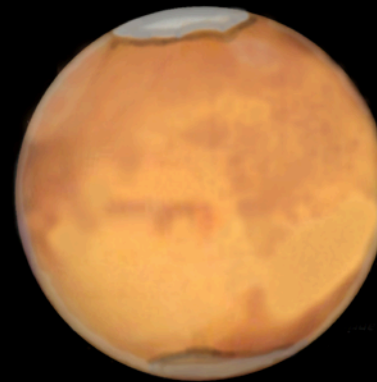
Eyepiece: 4.5mm Delos with barlow (413x)

Filters: Mars B, Blue #80A
Green #58, Red #25

Orientation: Inverse View (South Up)

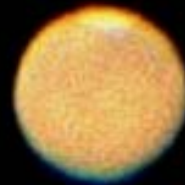
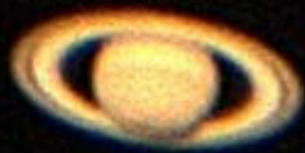
Location: Deck of House

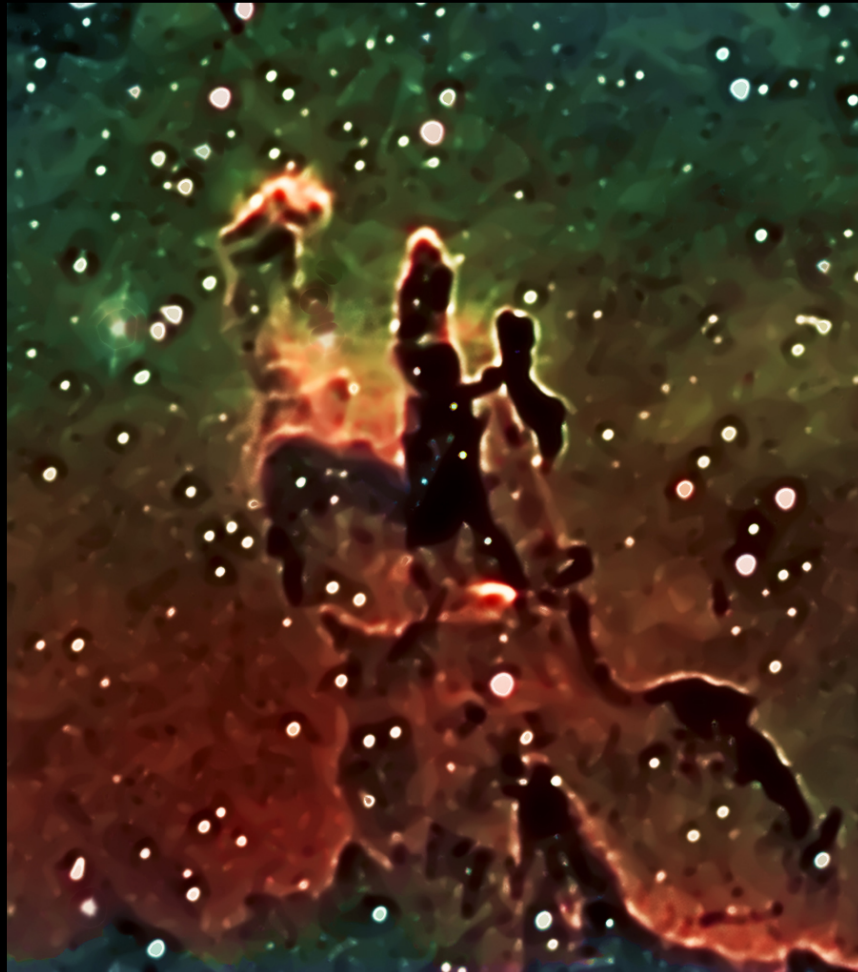
Drawing by: Richard Orr



Solar System Family Portrait

Jim Tomney, Aug 4, 2018





Pillars of Creation
in Messier 16
Peter Nerbun



Messier 64
Black Eye Galaxy
Peter Nerbun

Perseids over Blueberry Fields

Washington, ME

Joel Goodman



Josie with Mars
Washington, ME
Joel Goodman



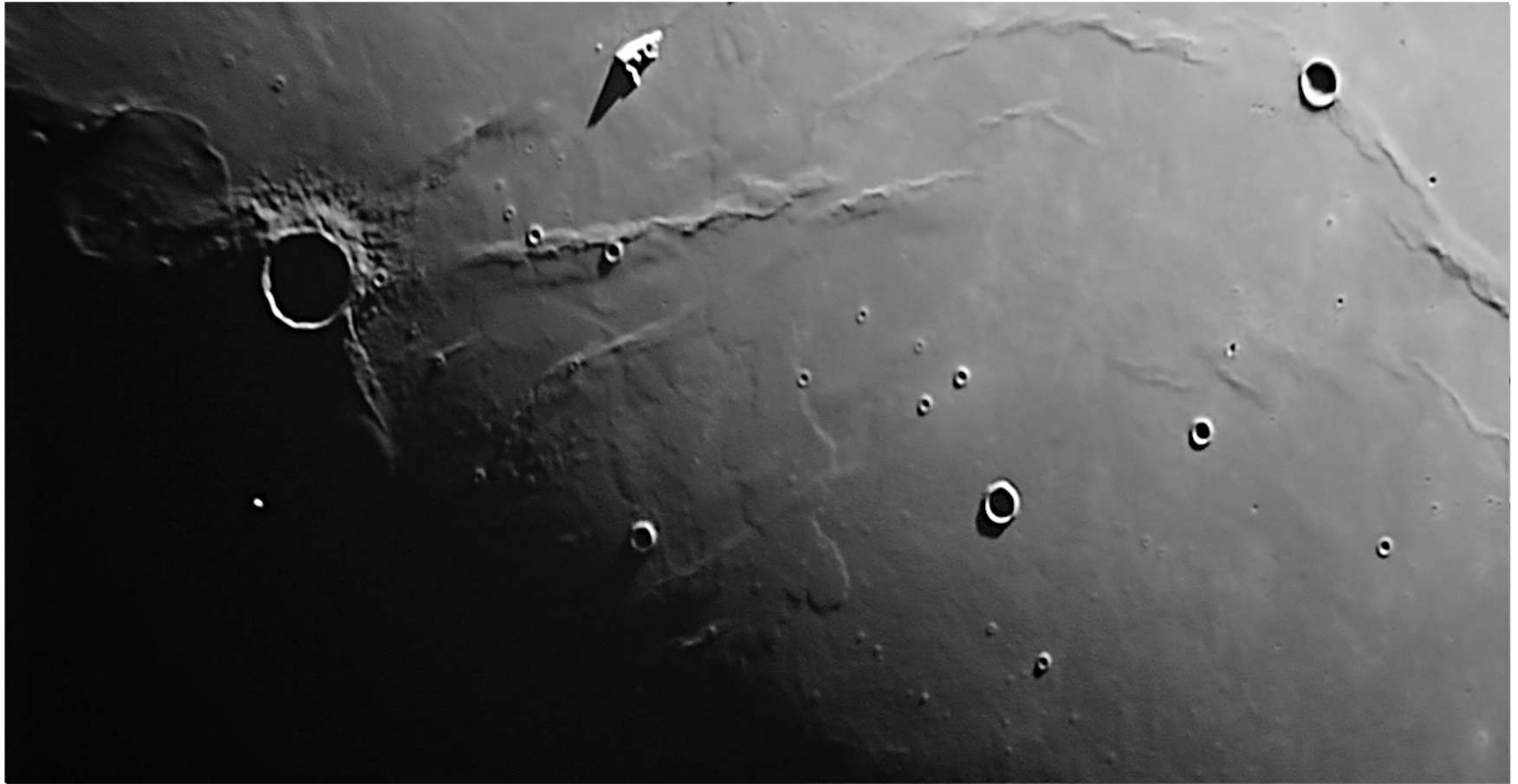


M5 Globular Cluster - 8" f/4 - 8300 CCD - LRGB 30 min



Chris Miskiewicz
AstroPhotography

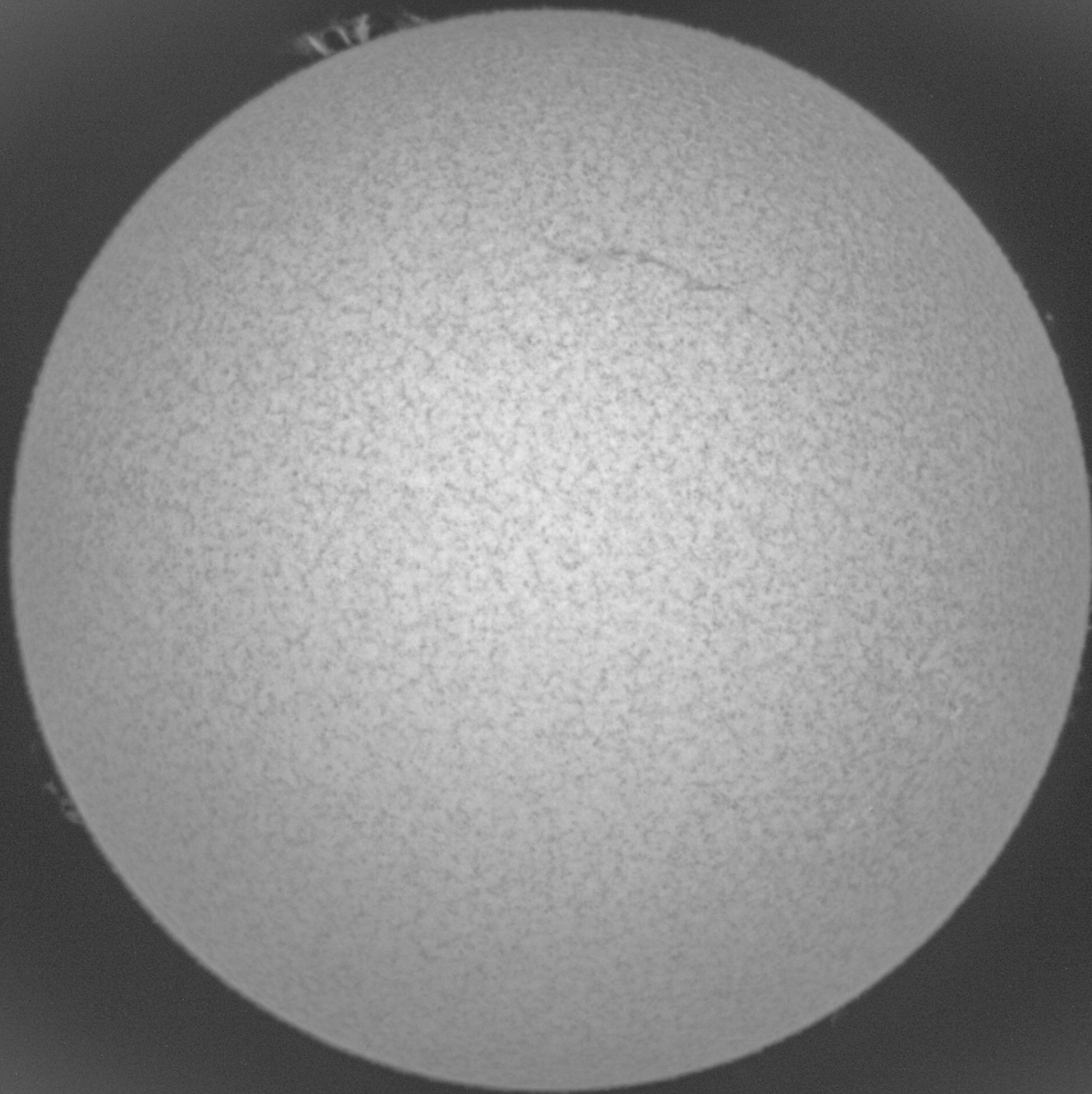




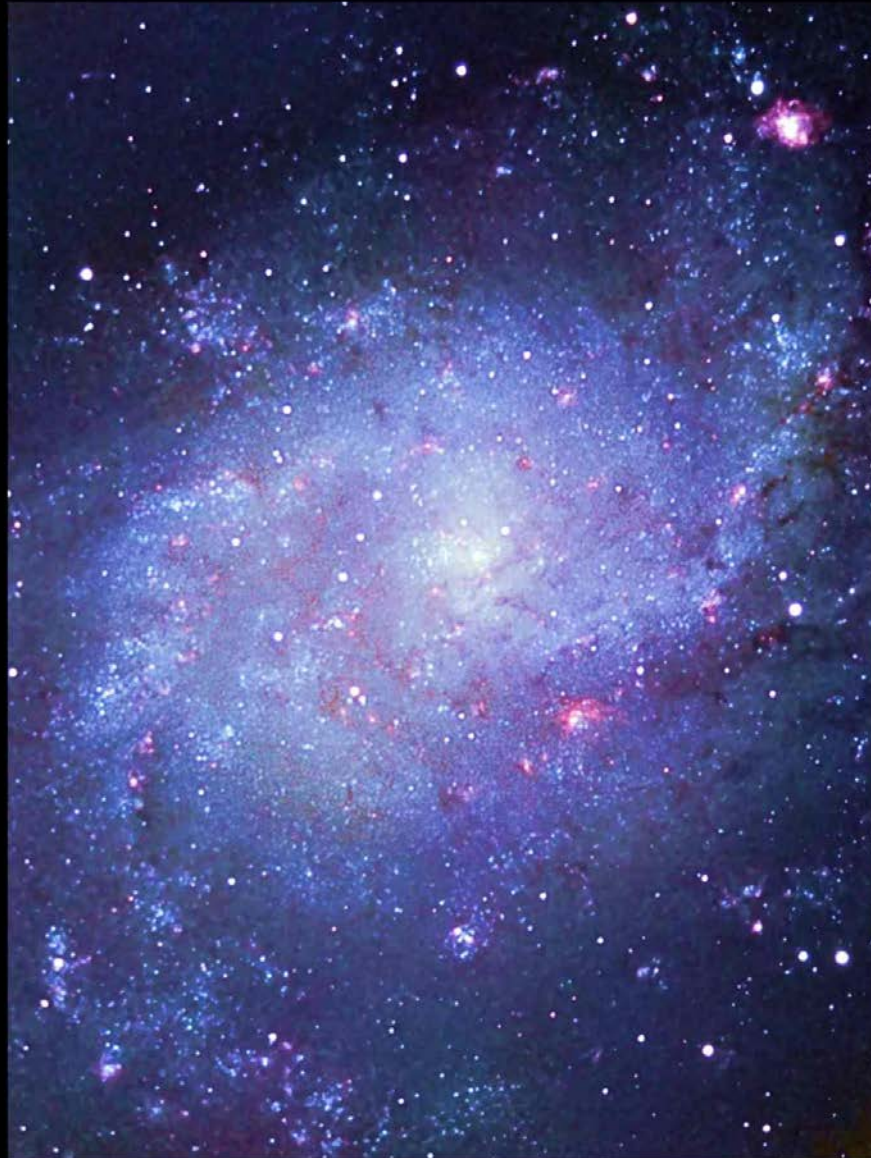
Gary Frishkorn

Mare Imbrium lava flow, Lambert, Mons La Hire
September 4, 2018, 8:31 UT
248 mm f/10 Off-Axis Newtonian
(Herschelian focus)

9,100 mm EFL, (5x Powermate, group #1)
Olympus E-M10II, digital zoom: off
HDMJPEG ~ISO 6400, 1/30 sec
1000 stacked frames, Registax 6.1.0.8



Our Sun
Wakes Up
August 26, 2018
3:19 PM EDT
Image by:
Phil Whitebloom



Messier 33, Triangulum Galaxy

Peter Nerbun





Ken Everhart



Moon

Ken Everhart

August 26, 2018
00h 28m UTC

Hanover, Maryland

Telescope:
Meade LX-850 14"

Camera:
ZWO ASI1600MM

L-H-Alpha -G-UV Stack

Lum:	5 X	6 ms
H-Alph	5 X	16 ms
Green:	5 X	3 ms
UV:	5 X	151 ms

Stacked with Registax 6

RGB Combination
with Pixinsight

Post Processing
with Registax 6.0
and Photoshop.



Helix Nebula

Ken Everhart

September 5, 2018
04h 28m UTC

McDonald Observatory
Texas

Telescope:
Meade LX-850 14"

Camera:
ZWO ASI1600MM

LRGB Stack

Lum: 4 X 180 Secs.
Red: 4 X 180 Secs.
Green: 3 X 180 Secs.
Blue: 6 X 180 Secs.

Stacked with Pixinsight

RGB Combination
with PixInsight

Post Processing
with Pixinsight
and Photoshop.



ANDROMEDA GALAXY COMPLEX

M31, M32, M101 & NGC 206

Constellation: Andromeda
Magnitude: 3.4
Distance: 2.5 million light years
Stars: 300 billion +
Apparent Size: 3 by 1 degrees
Actual Size: 130,000 light years across

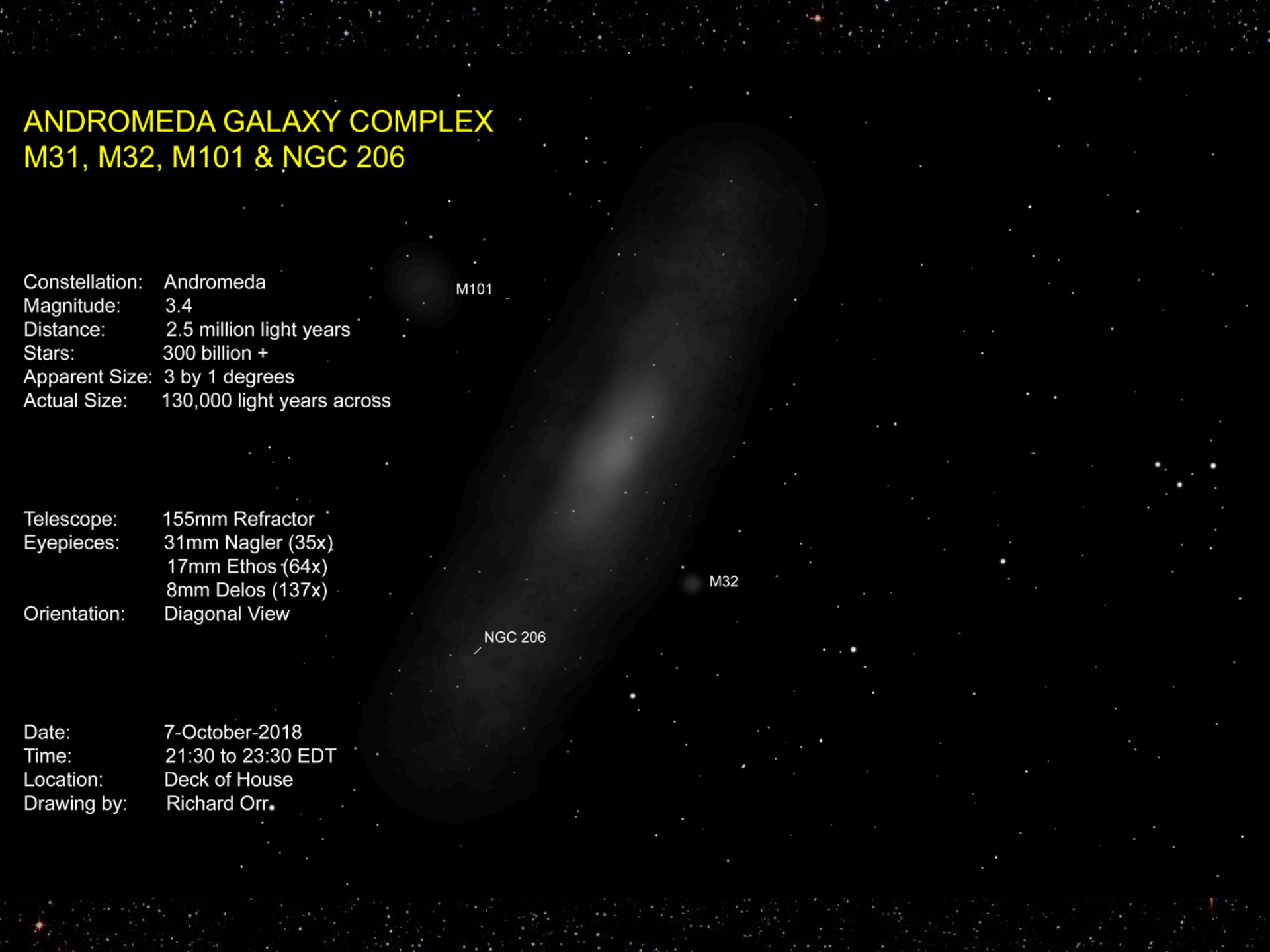
Telescope: 155mm Refractor
Eyepieces: 31mm Nagler (35x)
17mm Ethos (64x)
8mm Delos (137x)
Orientation: Diagonal View

Date: 7-October-2018
Time: 21:30 to 23:30 EDT
Location: Deck of House
Drawing by: Richard Orr.

M101

M32

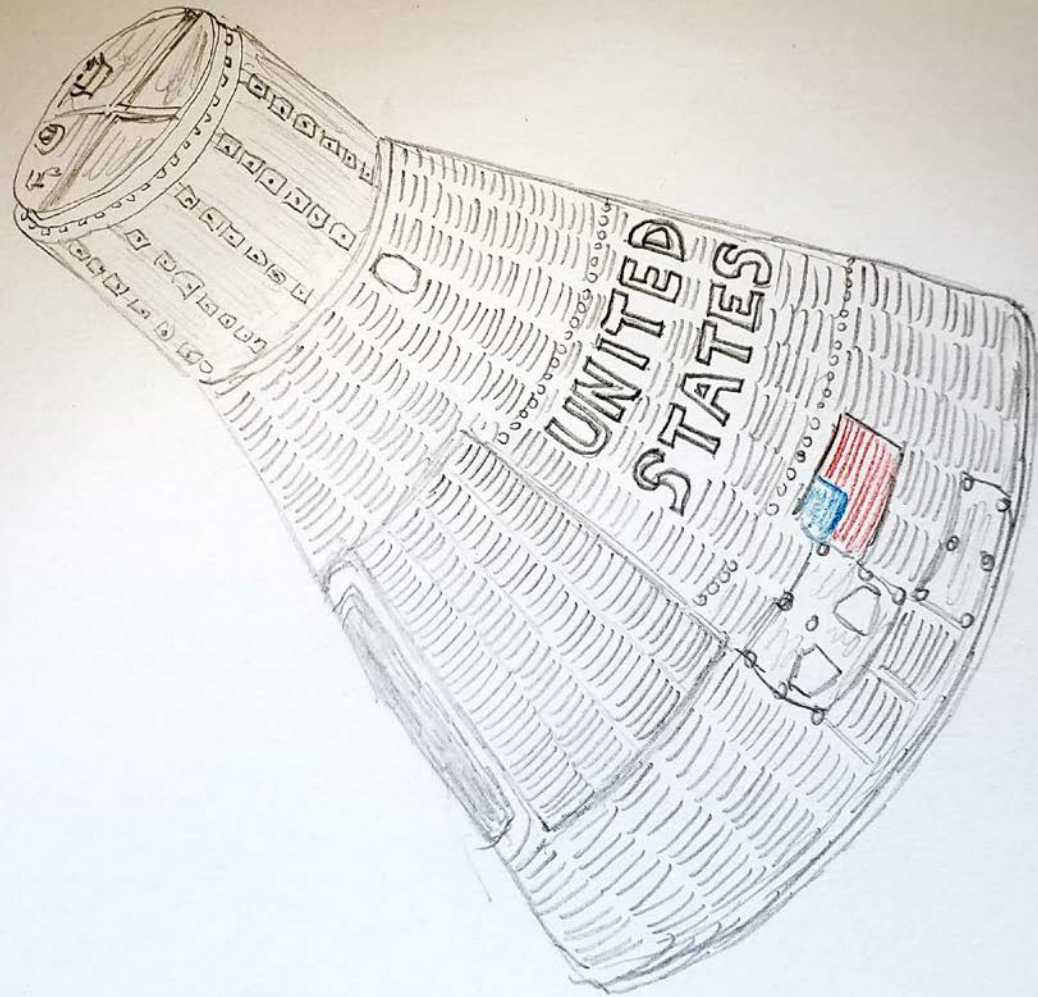
NGC 206





Messier 104
Peter Nerbun





Bob Prokob



Jim Tomney

Mars CM 203

09-30-2018 00:28 UT

15 cm f/8 Newt, 2.5 TV Powermate

DFK21AU042

2175 frames processed in Registax6



Chris Miskiewicz
AstroPhotography

David Illig



LBN 331 - 8" f/4 - 6.5 Hrs Ha

Gene Handler





NGC 281 - Pac Man Nebula

Gene Handler



“M27 or NGC 6853 - The Dumbbell Nebula”

Alpha Ridge Park
November 11, 2018 01:14 UTC

Telescope: Illig Takashashi TAO 150
Camera: ZWO ASI071MC
Stack of 4 120-Second Exposures at 300 Gain



NGC 253 - "The Sculptor Galaxy"

Alpha Ridge Park
November 11, 2018 00:43 UTC

Telescope: Illig Takashashi TAO 150
Camera: ZWO ASI071MC
Stack of Nine 120-Second Exposures at 300 Gain



M31 and M32 (NGC 221 and NGC 224)

"The Andromeda Galaxy"
Alpha Ridge Park
November 10, 2018 22:54 UTC

Telescope: Illig Takashashi TAO 150
Camera: ZWO ASI071MC
Stack of Four 120-Second Exposures at 300 Gain



“Stephan’s Qunitet” and “The Deer Lick Group”

Alpha Ridge Park
November 10, 2018 23:32 UTC

Telescope: Illig Takashashi TAO 150
Camera: ZWO ASI071MC
Stack of 14 120 Second Exposures at 300 Gain



Duane Dehnert

Saturn Nebula (NGC 7009)

Planetary Nebula

Constellation: Aquarius
Magnitude: 8.0
Distance: 1,400 light years
Actual Size: 0.2 x 0.41 light years
Apparent Size: 44 x 23 arcseconds

Telescope: 110mm refractor
Eyepiece: 4.5mm Delos (171x)
Field of View: 0.42 degrees
Orientation: Diagonal View

Date: 3-November-2018
Time: 22:30 to 23:00 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



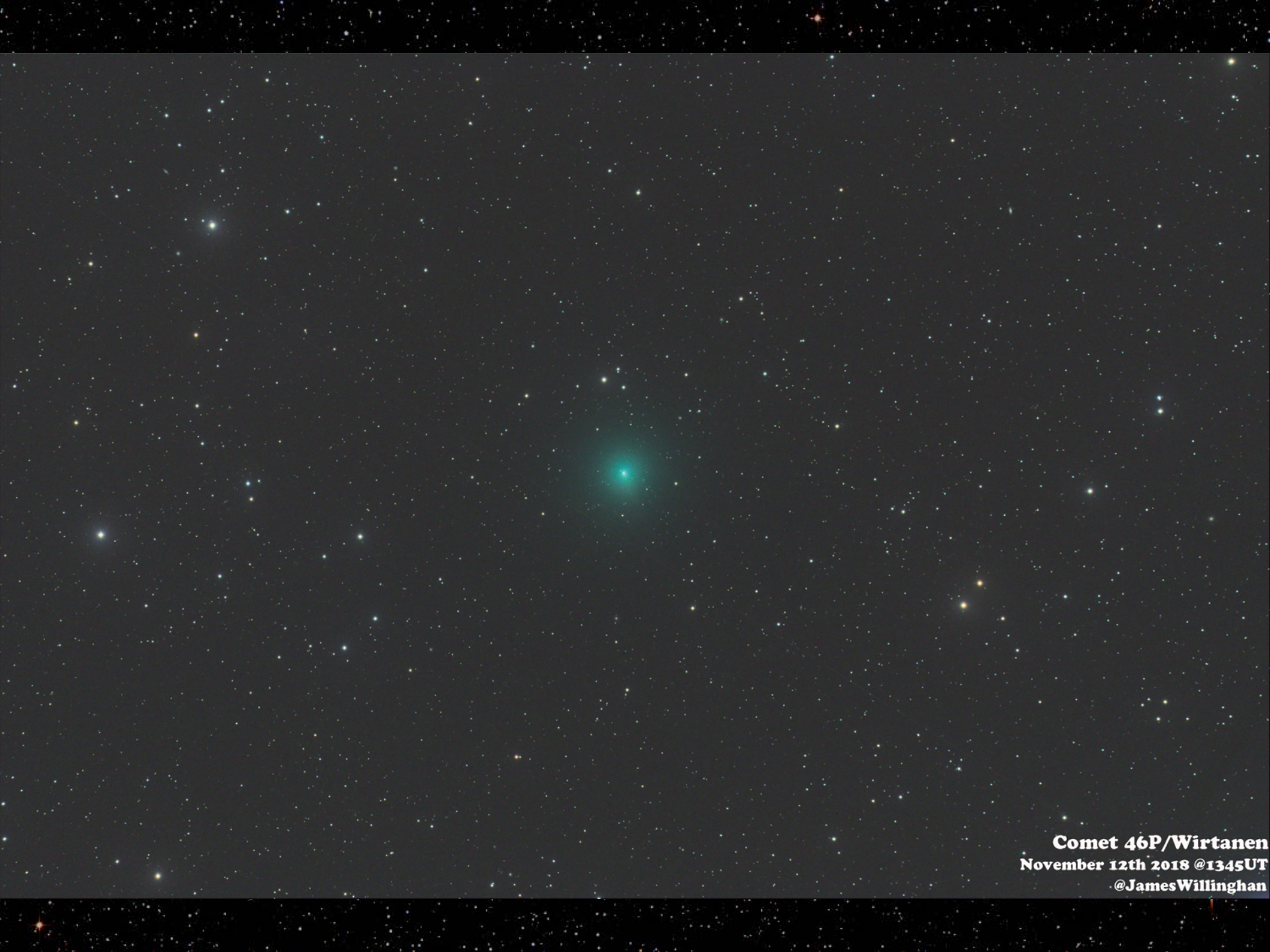




Galaxy NGC 891
C11 SCT @ F/6.3



Peter Nerbun
March 2017



Comet 46P/Wirtanen
November 12th 2018 @1345UT
@JamesWillinghan



Cheryl Kerr



Cheryl Kerr

NGC 2174 (Monkey Head Nebula) in Orion - 8" f/4 - 4.0 Hrs - HaOIIIIRGB



Gene Handler



Forest Arnold



Forest Arnold



HH with Phyllis Weber
Greenwich, Oct. 20, 2010