

Howard Astronomical League



November 15th, 2018

Introductions

2019 HAL Elections

Coming up January 17, 2019

Wayne Baggett is Elections Chair – look for email with key dates and process

All interested parties are encouraged to run for any office

Observatory Report

Director: Joel Goodman

Progress:

Library shelves installed

Present:

Resolving residual dome/scope synch issues

Continuing to convert existing CTO/As

Continuing to recruit aspiring new CTOs for training next year

Plan:

Make observatory available to members via a CTA/CTO training track

Select Observatory Photos from the November 11, 2018 Public Star Party

While entertaining approximately, 75 guests, we slewed the scope toward 24 objects. Many of these objects were selected by the public as we were able to respond to requests like “Can we see an edge-on galaxy?” and “Are there any other planetary nebula we can see?”

- Ken Everhart, Public Star Party Report



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

Upcoming Events

HAL Events – Alpha Ridge Park

December 1st at 4:45 – Public Star Party

Other Events

This Evening's Speaker

Dr. Albert Holm, Retired

Former member of OAO-A2, International Ultraviolet Explorer, and Hubble Space Telescope teams

✦ . Out of this World Astronomy:

. The Orbiting Astronomical Observatory-A2



Member
Astrophotos and Sketches



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



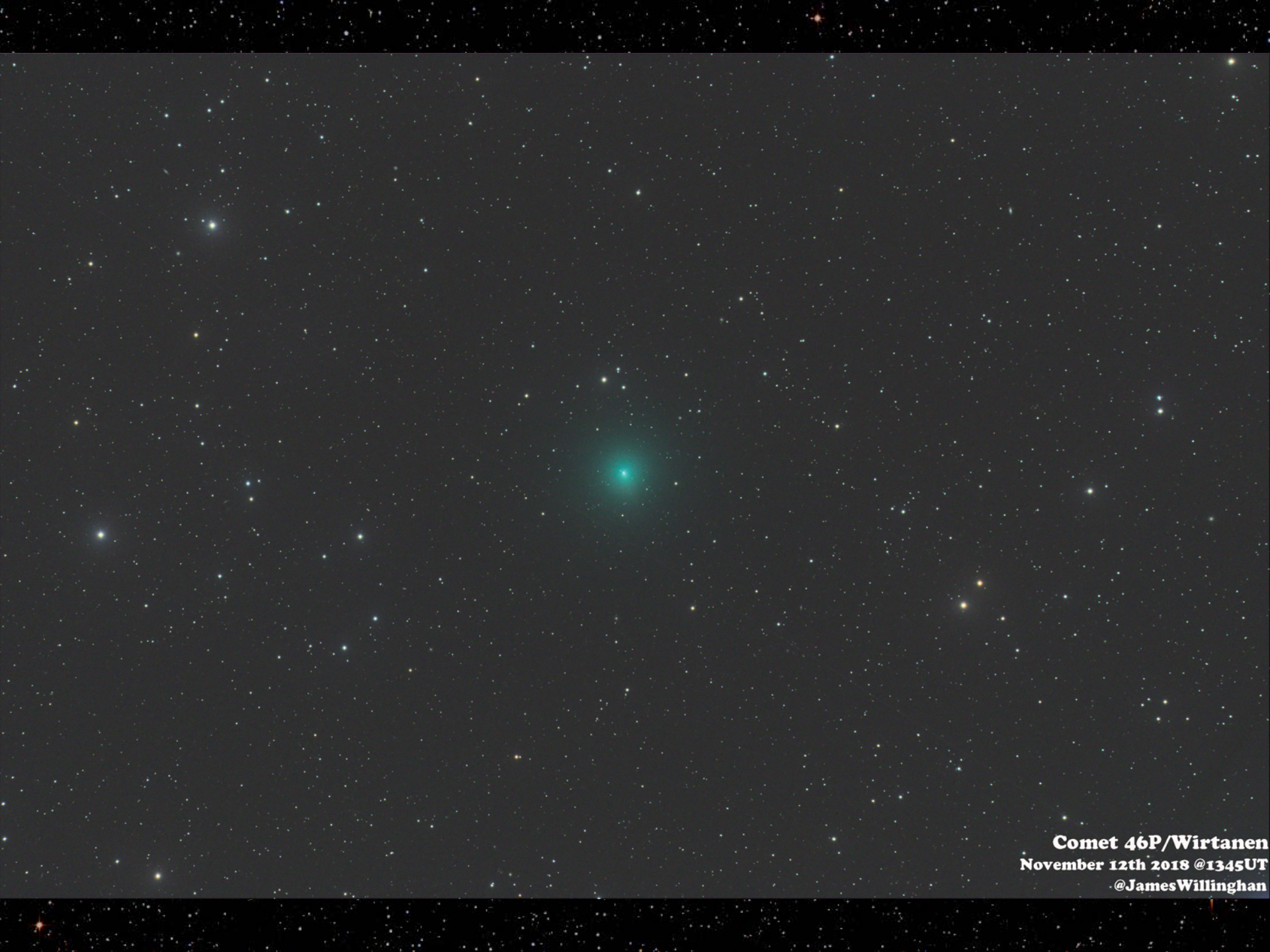




Galaxy NGC 891
C11 SCT @ F/6.3



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

Thank You!

Next month's meeting is on Thursday,
December 20th 2018 at 7 PM

Potluck Dinner
and HAL President's
Year End Wrap-up