

Howard Astronomical League



June 21st, 2018

Introductions

Observatory Report

Director: Joel Goodman

1st Public Star Party/reveal on June 16th

Plan

Continue with improvements:

- Improve polar alignment with Tpoint

- Complete dome controller installation

- Identify and acquire eyepieces and accessories

Train current CTO/A cadre on the Illig Scope in order to finish out this year's star party season

Make observatory accessible for member use

Get new CTOs into the training pipeline

Photos from the Observatory

Caveat: Photos taken just 13 days after the Watson was removed from the pier. Lots of work ongoing and remaining to get the right sensor(s)/accessories working with the Ilig scope in its new public outreach role.

A photograph of a large telescope mounted on a tripod inside a dome. The telescope is a large, white, cylindrical instrument with various attachments and cables. It is mounted on a yellow tripod. The background is a dark, starry sky. The dome's interior is visible, showing the curved structure and some equipment. The lighting is dim, with some red lights visible near the telescope.

The Illig Telescope Acquires Jupiter

HAL Public Star Party at Alpha Ridge at 8:55pm on 6/16/2018

Phil Whitebloom



Jupiter, GRS and Io Transit/Shadow

June 16, 2018

Capture and Stack by Mike Krauss



Jupiter, GRS and Io Transit/Shadow

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Whirlpool Galaxy (M51)

June 16, 2018

Chas Rimpo and David Stein

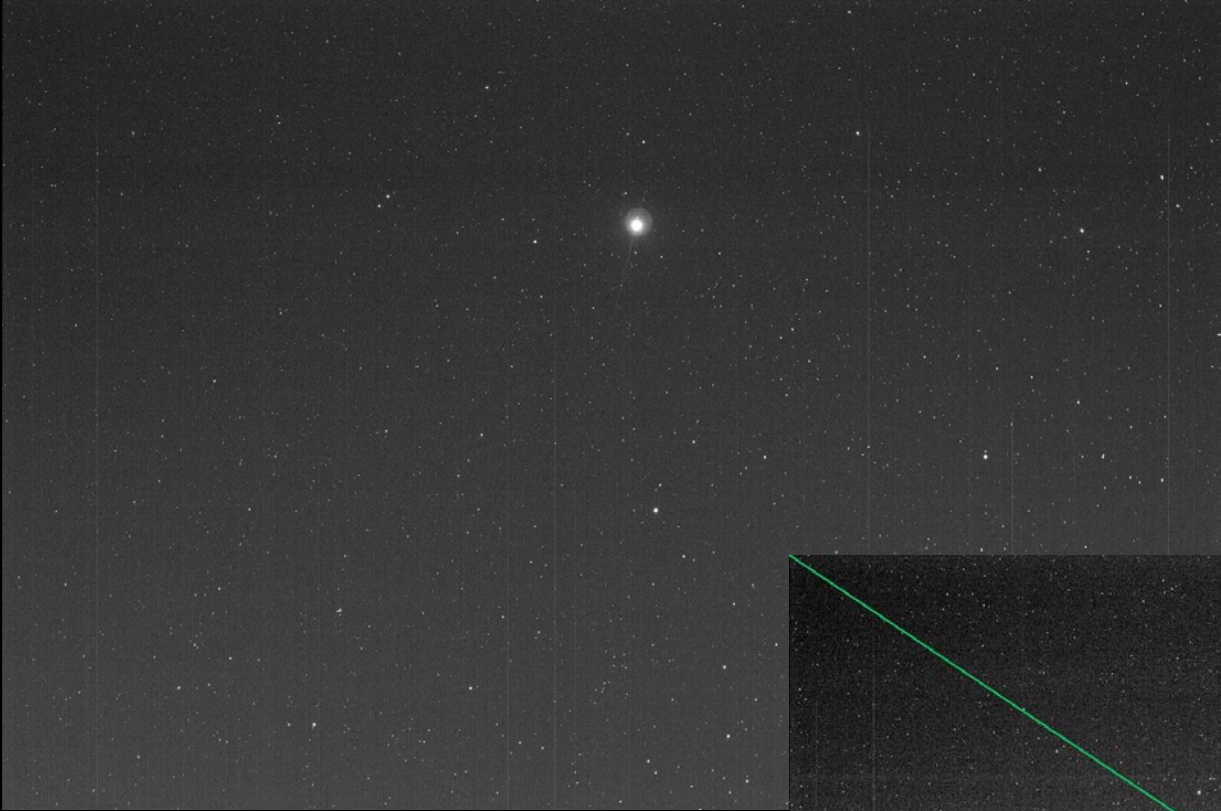


M81 and M82

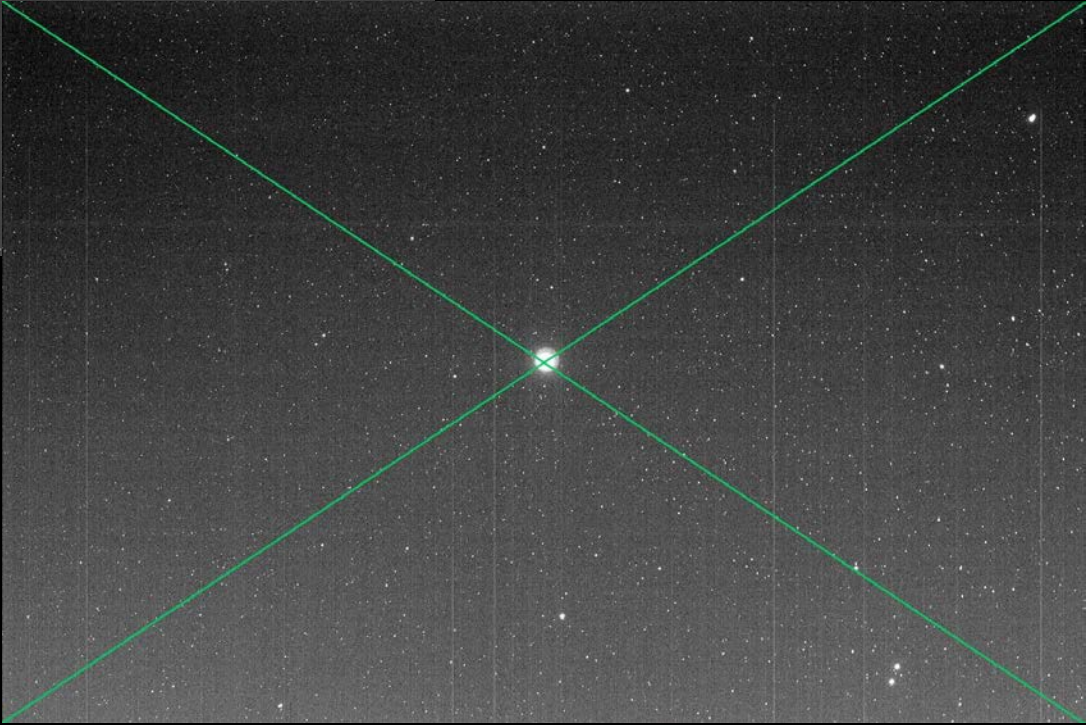
Smartphone snapshot of the flat panel display

June 16, 2018

David Stein



The Illig Scope will get a Tpoint alignment. Here's an example of how goto accuracy to Vega improved for David Illig's new mount after Tpoint alignment.



Upcoming Events

HAL Events – Alpha Ridge Park

July 7th at 8:30 – Members Star Party

July 14th 6:30 to 9:30pm – SolarFest

Registration with Rec & Parks Required

July 21st at 8:30 – Public Star Party

Other Events

July 11th to 15th – York County, PA Star Party

July 11th to 14th – Greenbank, WV Starquest XIV

Three Oppositions in 79 Days!

Jupiter: May 8th

Saturn: June 27th

Mars: July 27th

Venus

15 Aug – Dichotomy (Half phase)

17 Aug – Greatest elongation east

25 Sep – Greatest brightness

26 Oct – Inferior solar conjunction



This Evening's Speaker

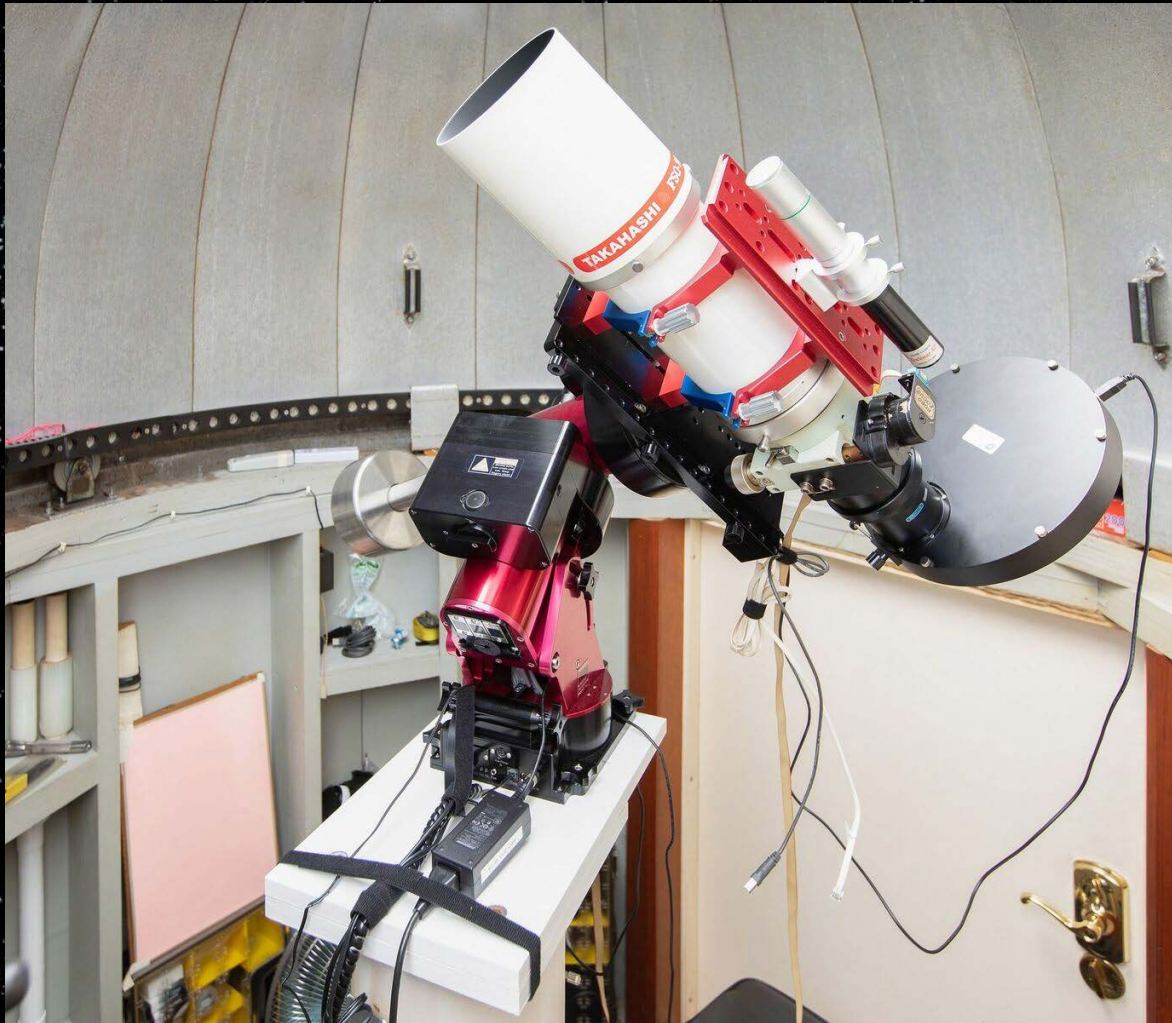
Richard Orr
HAL Member

Tips on Observing Mars During the 2018
Opposition





Member
Astrophotos and Sketches



David Illig's TSO-106 on its new mount



Sadr 21
David Illig





M29 Sadr 21 in RGB

David Illig





M8, M20, and M21
David Illig





M8, M20, and M21
David Illig





The Milky Way, Mars, Saturn, and Jupiter

Cherry Springs Star Party, PA, June 2018

James Willingham



Bolide

Cherry Springs Star Party, PA, June 2018

James Willingham

Thank You!

Next month's meeting is on Thursday,
July 19th 2018 at 7 PM

Lou Mayo

NASA, Sciences and Exploration Directorate

NASA Science Results from the August
21st 2017 Total Solar Eclipse