EVOLUTION OF A MAN CAVE CALLED THE STARBOX

ASTRONOMY IS LIKE COFFEE – IT KEEPS YOU UP AT NIGHT

Kyle Coker

Orange County Astronomers 2018

Kyle's Man Cave

WARNING
OBJECTS IN TELESCOPE
ARE FARTHER
THAN THEY APPEAR

Lower Pads 2004

Lower Pads Anza

Mid 2004

- Tak TOA 130
- Losmandy G-11
- SBIG STV
- Canon 10D
- Laptop

Late 2004

- Canon 10D
- TOA 130

Aug 2005

AP1200 GTO on permanent Pier

Takahashi TOA-130

Canon 20Da

STV on Borg 45ED Guide Scope

New Motel

Patzakis Rule

My Orthopedic Professor at USC

Never stand when you can sit

and

Never sit when you can lay down

Wife's Corollary – Never stay awake when you can sleep

Dec 2009

Foundation With Footings for 2 Piers

Fold down shutters
on south side

To Warming Room

Outside
Observatory

North
South
Fort Apache

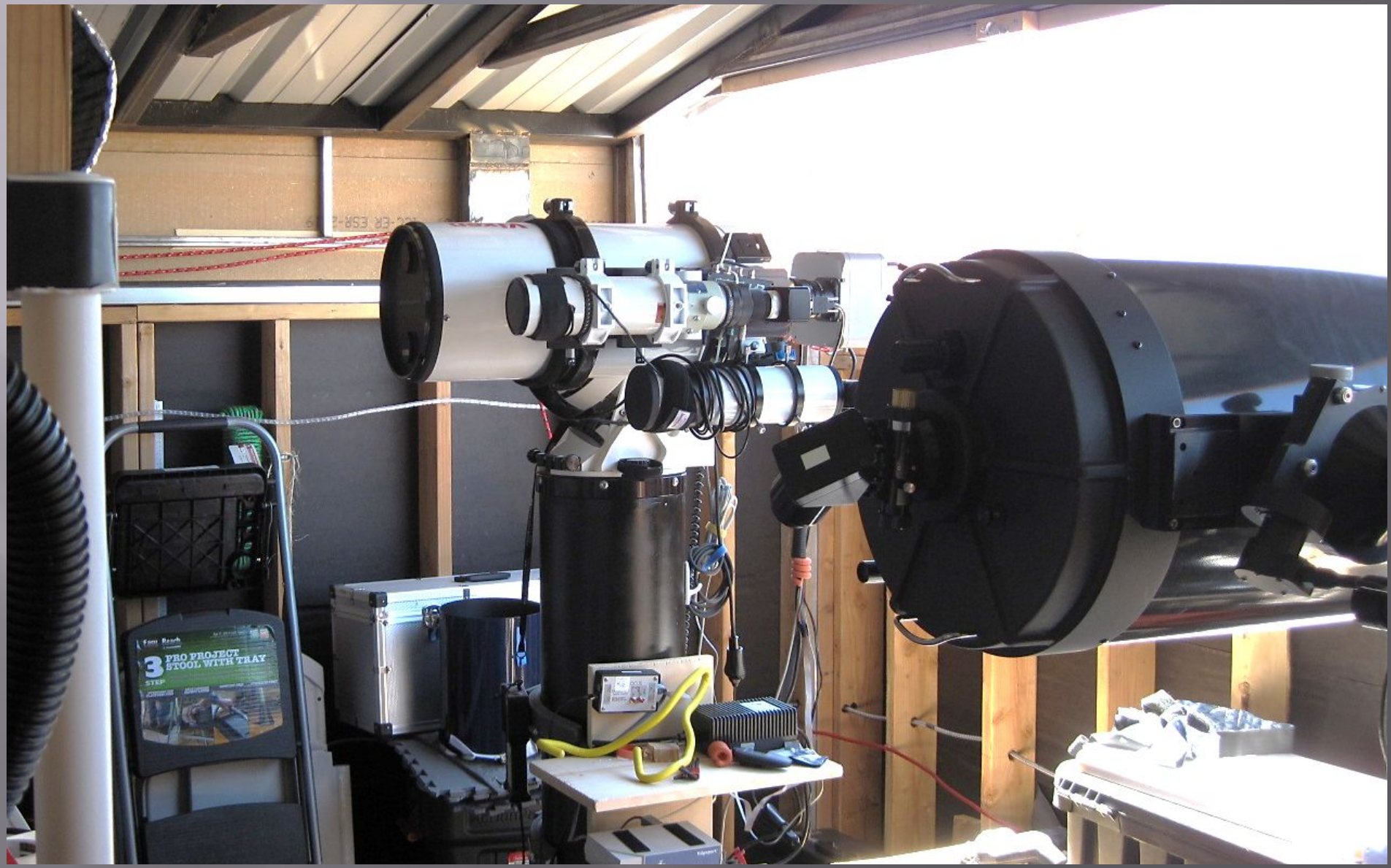
Football Field
Anza House

Celestron C-14 and Vixen VCL-200

Just Need a Hot Tub

April 2010
C-14 For Viewing and Vixen VCL200 – STL11K

C-14 For Viewing and Vixen VCL200 – STL11K



Warming Room - 2011

Early Control Room - 2011

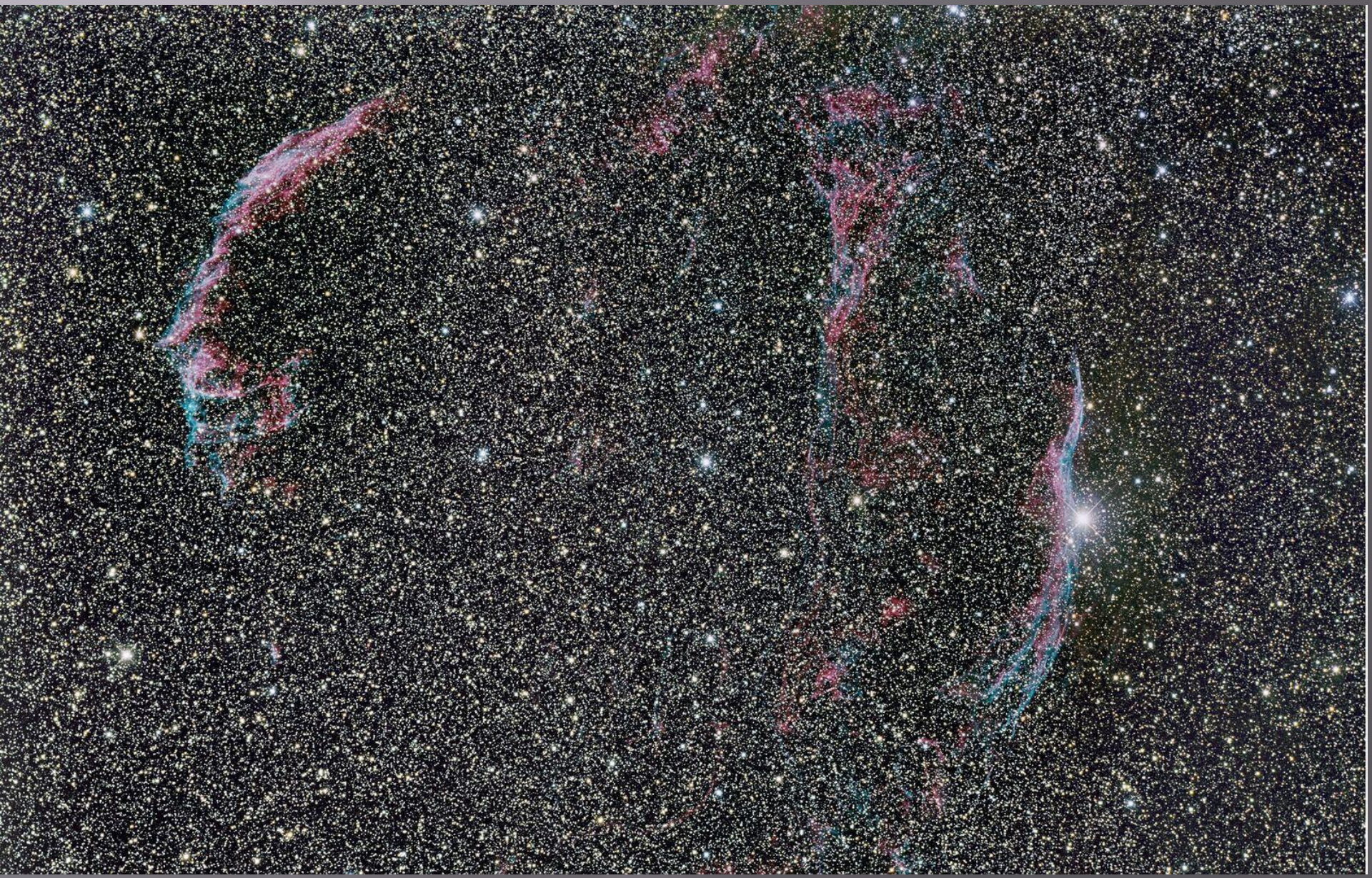
Tak E-180 500 mm f/2.8
STL 11000M on AP GTO Mach 1

January
2011

Gama Cygnus - 2011

Markarian's Chain -2011

Veil Network - 2013



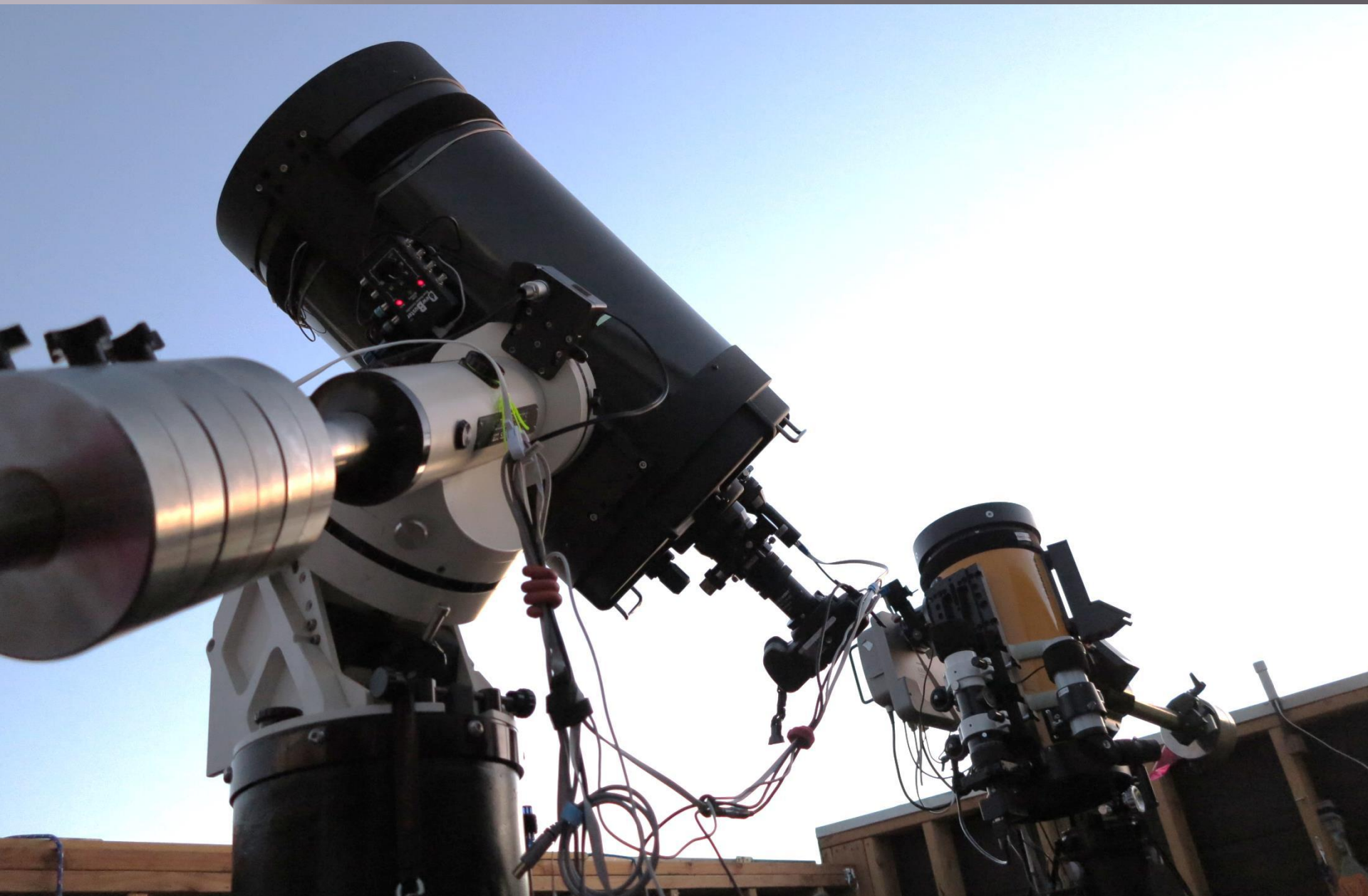
VCL200 and TOA130 Tandem on AP1200

January 2011

Sunsetter Motorized Awning

Celestial Wind Thingy

C14 and E-180 - 2014

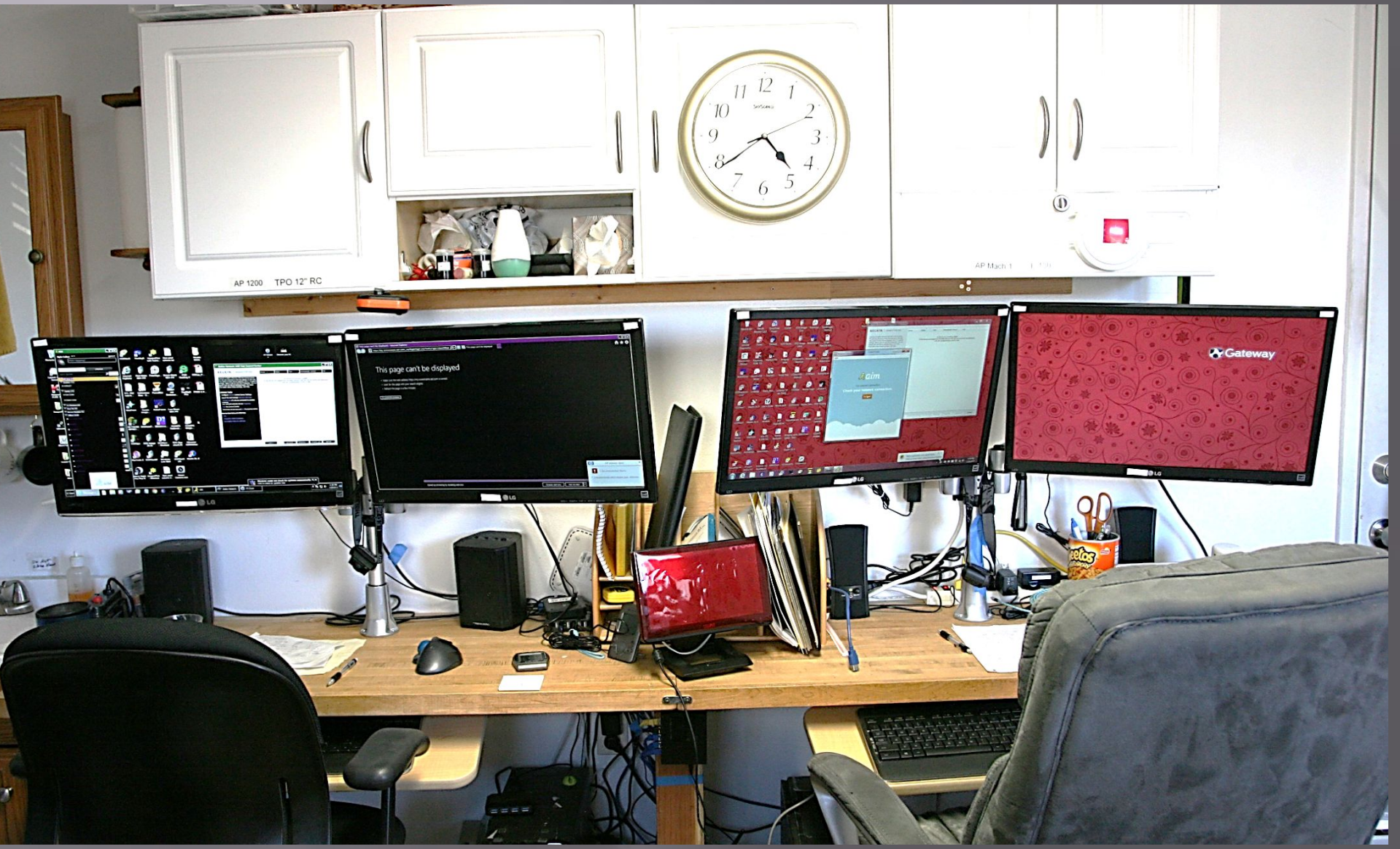


M51 – C14 STL11K - 2014

Control Room Nov 2011

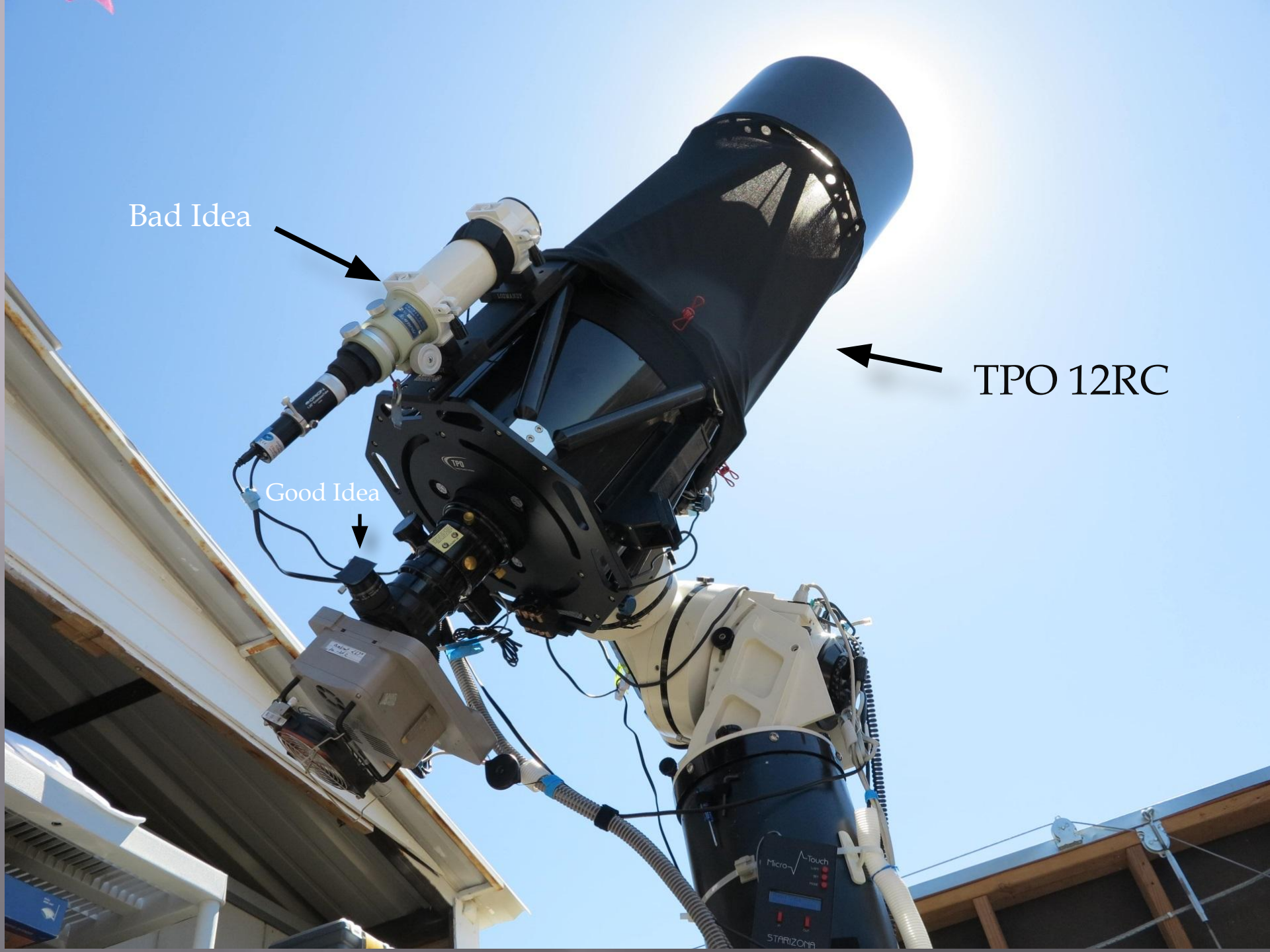
Dual Telescope Control - June 2012

Current Control Room - 2018



Concussion
Deflector

SBIG

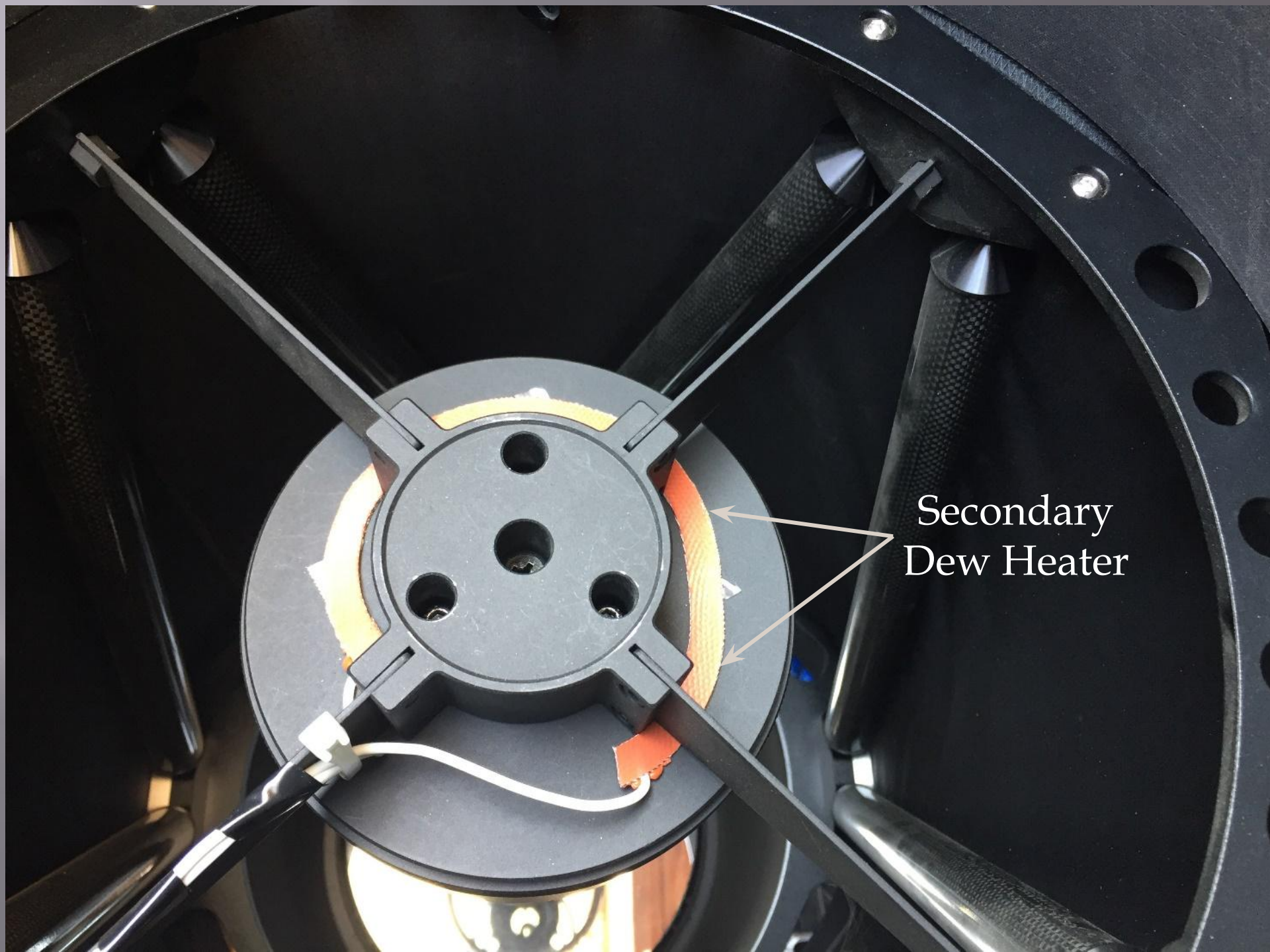

Bad Idea
TPO 12RC
Good Idea
Micro Touch
STARIZONA

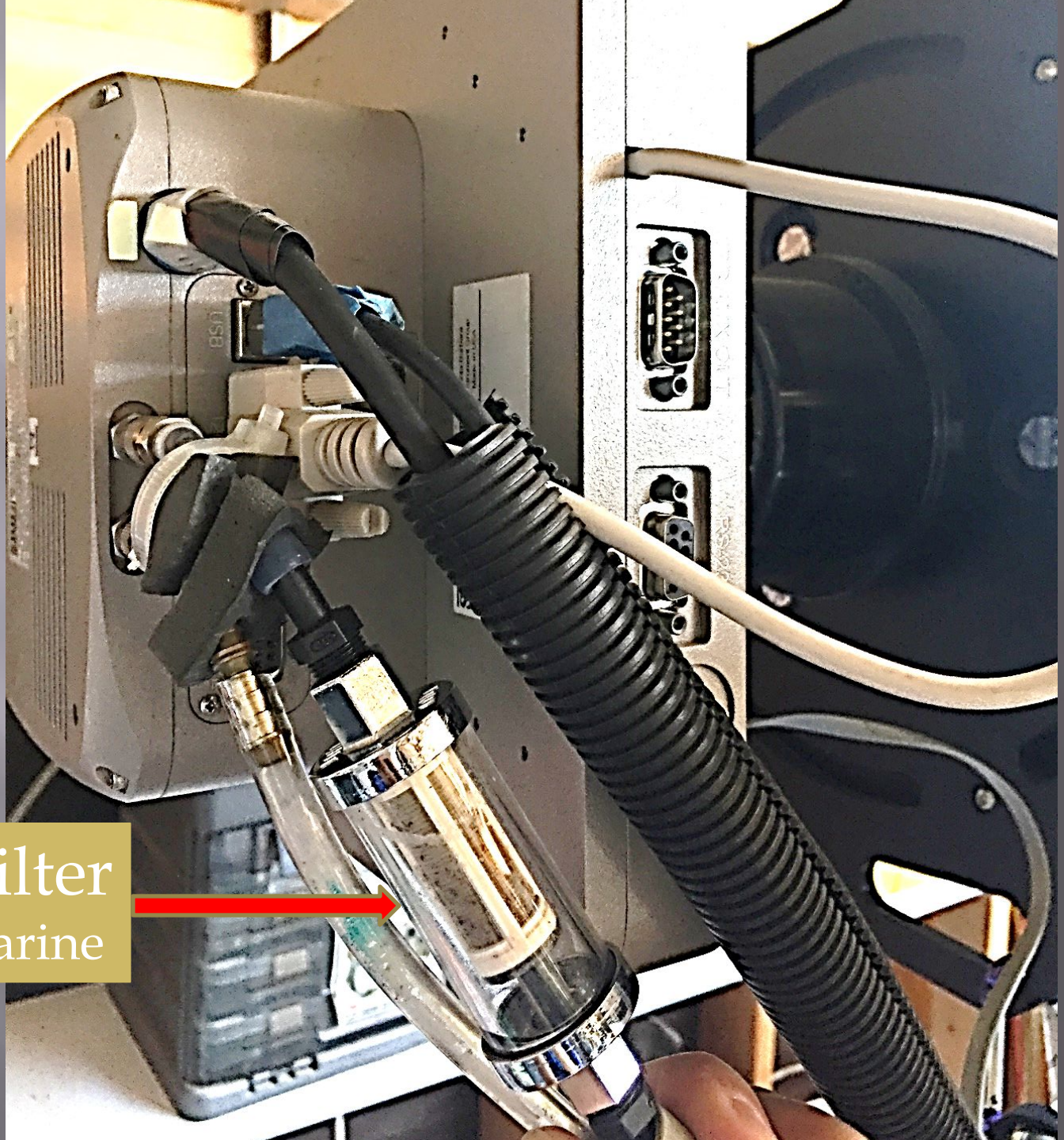
July 2016

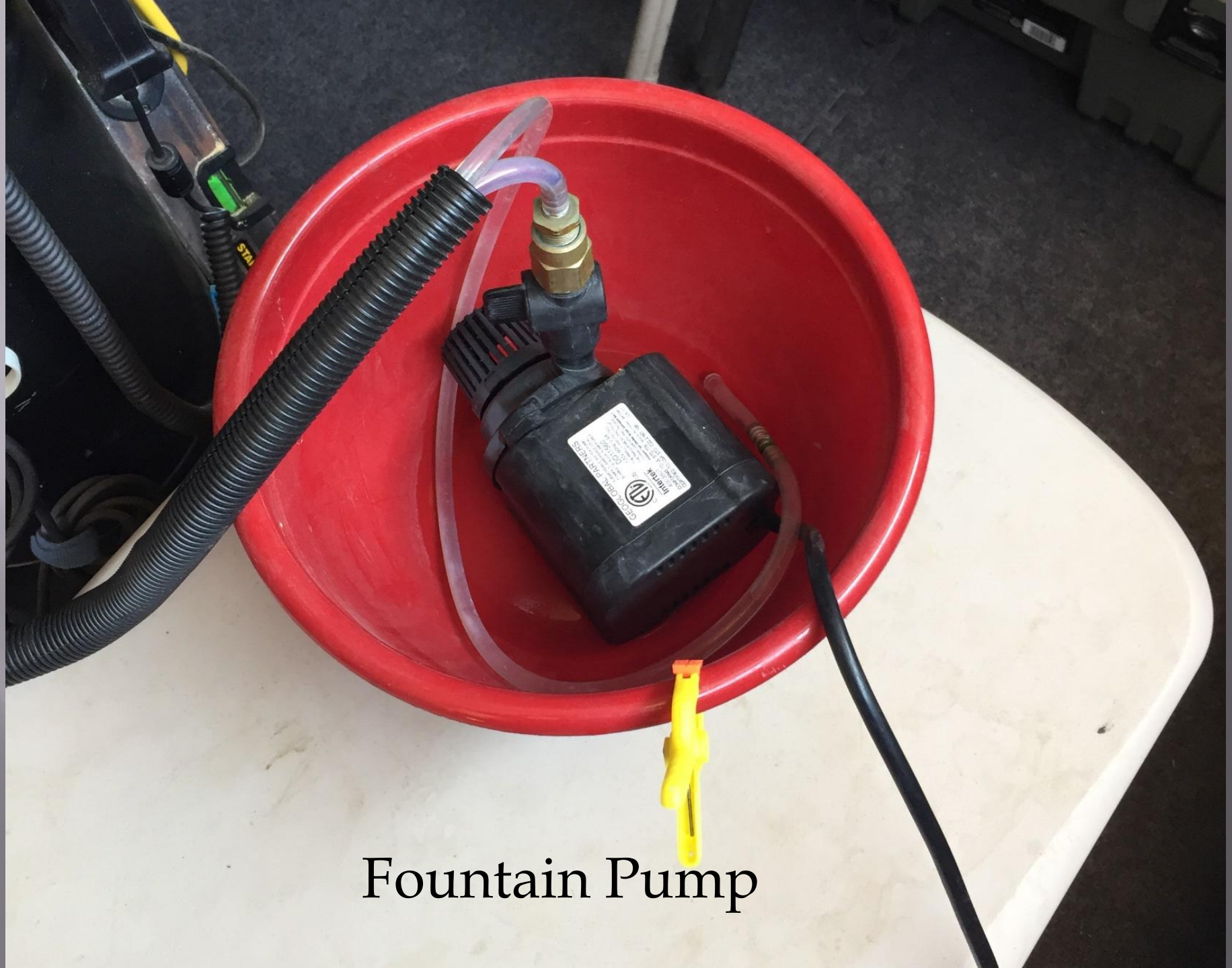
12V Winch

Ice Maker

HEPA Air Filter


Secondary
Dew Heater


Fuel Filter
West Marine



Fountain Pump

MOAG
Ambient 76°F
In -20°C

Anza Checkout

Turn down refrigerator to 3-4

Turn off AC, fans, etc.

Close blinds

Remove water pump

Turn off scope power

Secure roof

Cover scopes

Shut down computes

Turn off keyboards and trackballs

Turn off speakers

Unplug battery chargers

Vacuum

Lock outside boxes

Take out garbage

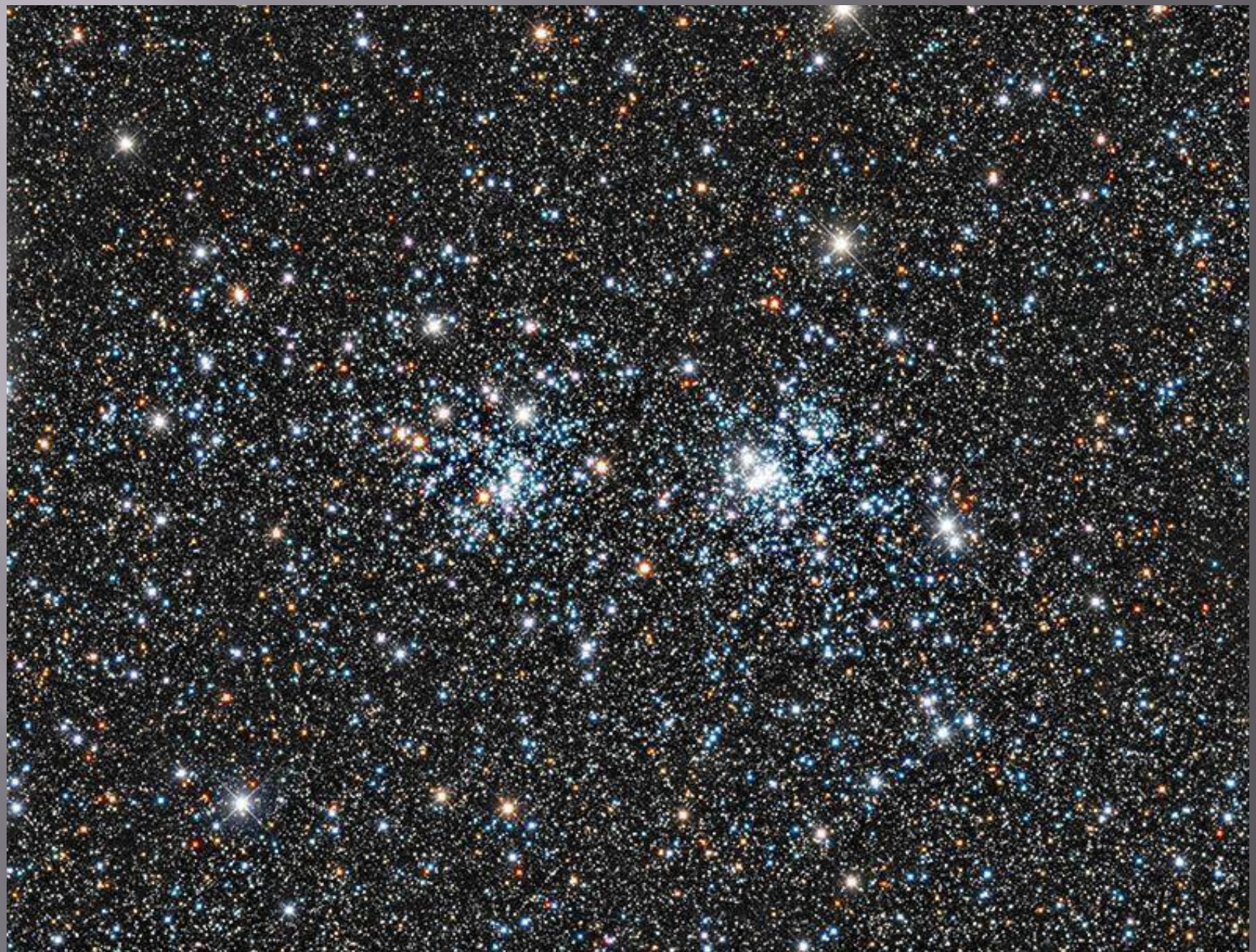
Turn off all lights

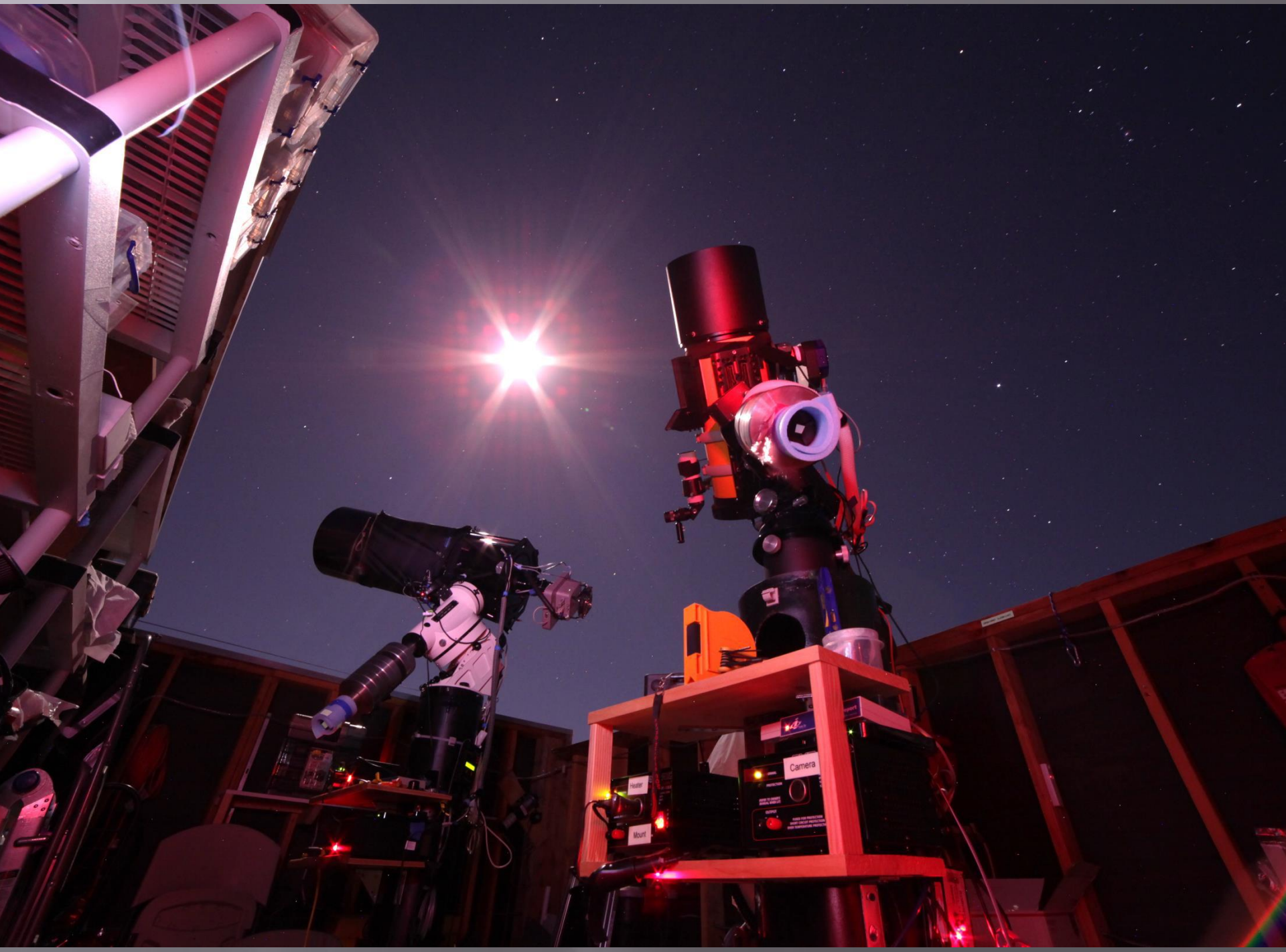
Current Setup

- 12” TPO RC – STL1000M LRGB-SuHaO3
  - Ultrastar on MOAG for guiding
  - Microtouch focuser
- Takahashi E-180 – QSI683wsg LRGB-SuHaO3
  - STi in Borg 45ED guidescope
  - Robofucus
- 2 desktop computers with dual 24” monitors, track balls and backlit keyboards
- Software
  - MaximDL for Camera Control
  - SkyX for telescope control and plate solves
  - PHD2 for guiding
  - Focus max for focusing
  - CCDNavigator for session planning
  - CCDStack for provisional processing
  - Everything backed up on USB hard drive
  - CCDAutopilot 5 for master control

Current Images TPO – STL11K

Current Images E-180 – QSI 683




Heater
Mount
Camera