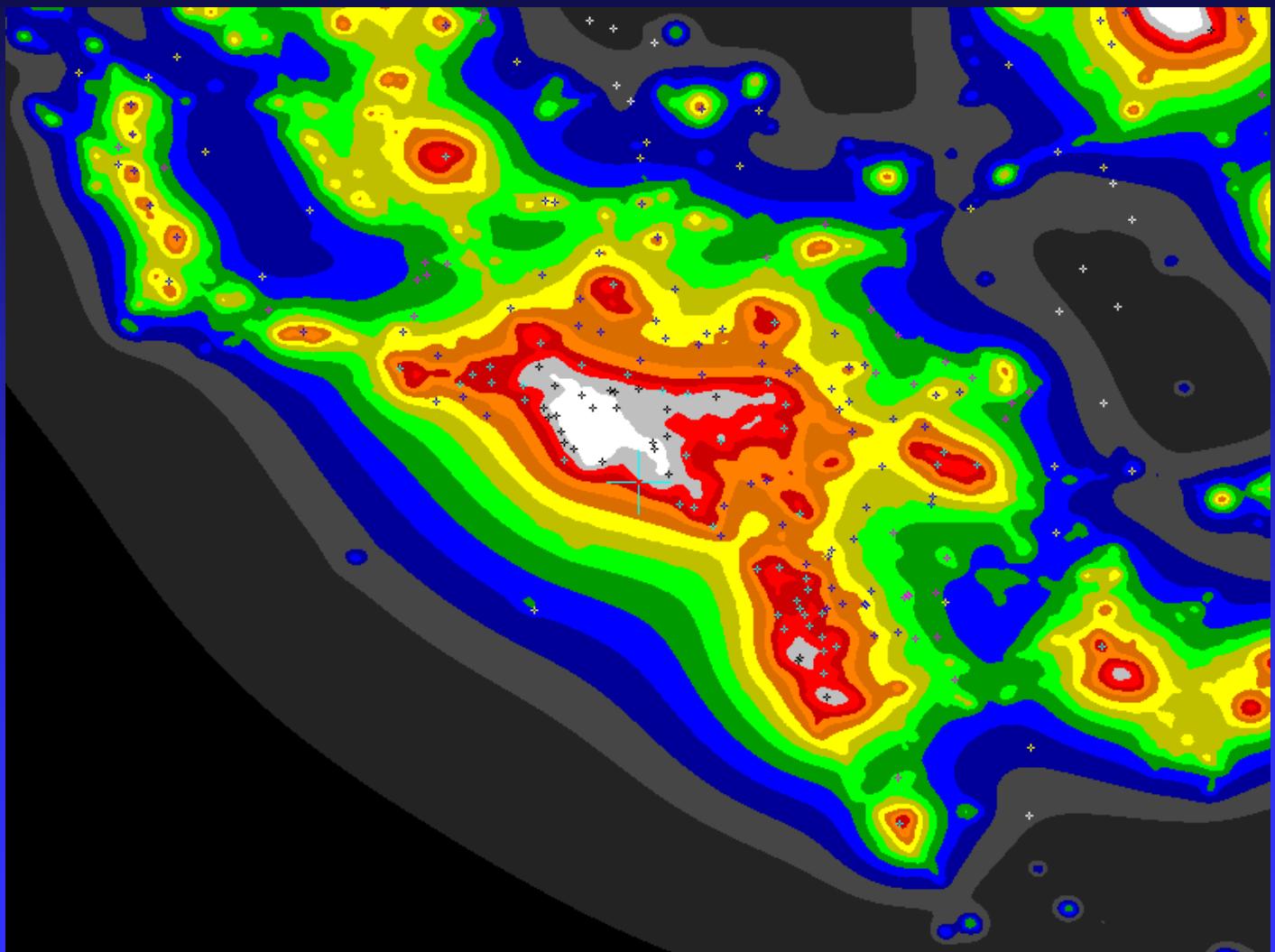




# Imaging from Kitt Peak and Mt. Lemmon Observatories in Arizona

## Why Arizona?

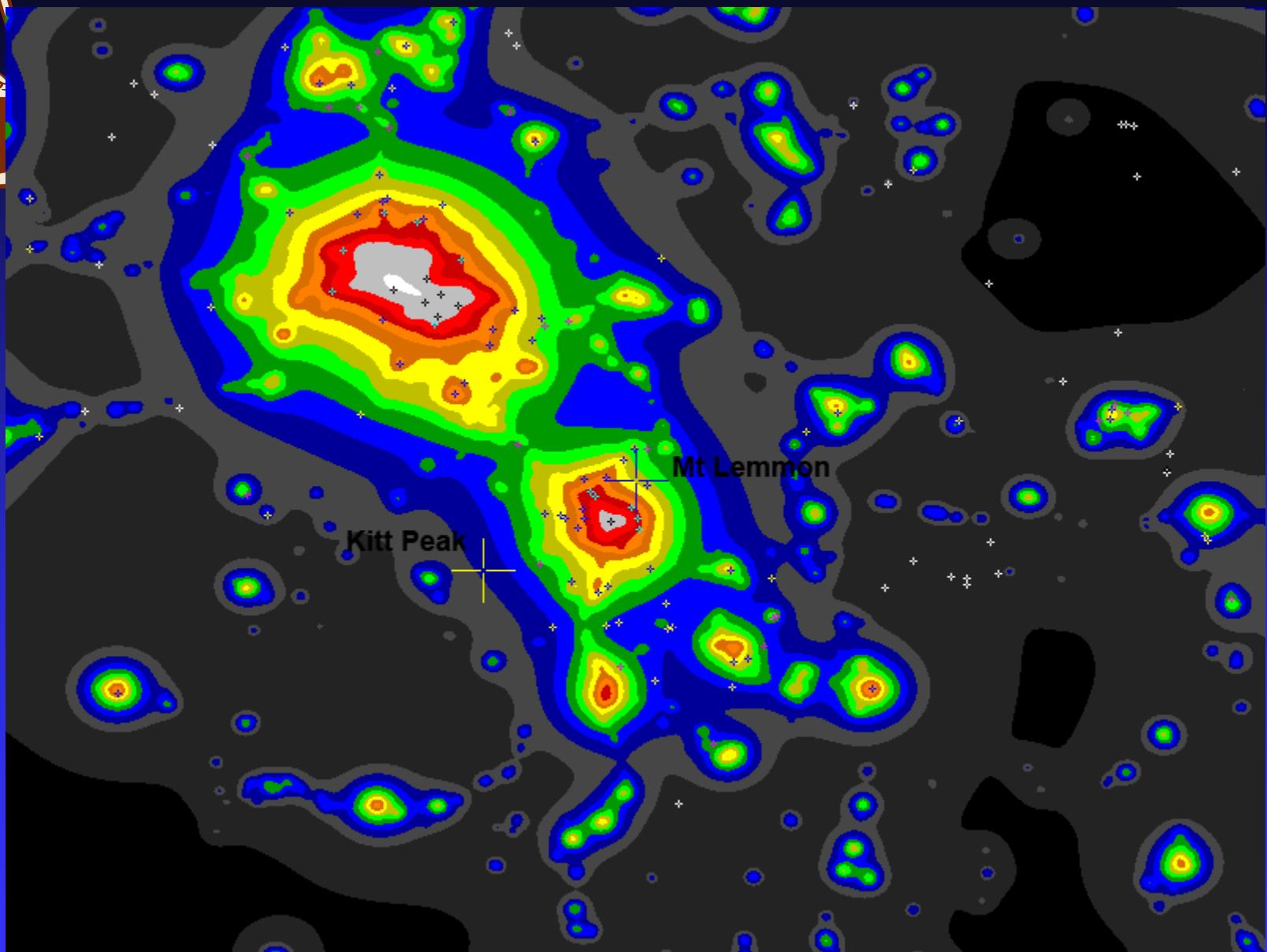




# 2 Observatories you can rent

- Kitt Peak - Advanced Observing Program
  - ◆ Visual and/or imaging
  - ◆ 20" RCOS, 16" RCOS, 16" RC
  - ◆ Darker skies than Mt Lemmon
  
- Mt Lemmon – Astronomer Night Program
  - ◆ Visual and/or imaging
  - ◆ 24" RCOS, 32" RCOS
  - ◆ Learn imaging from Adam Block

# Southern Arizona CSC





# Kitt Peak AOP

- **Rates:**
  - \$685, \$785, or \$1085 per night in the observatory for up to two people (visual, DSLR, CCD prices)
  - \$100 for each additional person per night
  
- **Room and Board (Includes 3 meals per day):**
  - \$90 per person per night for room and board, single occupancy
  - \$75 per person per night for room and board, double occupancy

**KITT PEAK  
NATIONAL OBSERVATORY  
12 MILES**

OPERATED BY THE  
**ASSOCIATION OF UNIVERSITIES  
FOR RESEARCH IN ASTRONOMY, INC.**  
UNDER CONTRACT WITH THE  
**NATIONAL SCIENCE FOUNDATION**

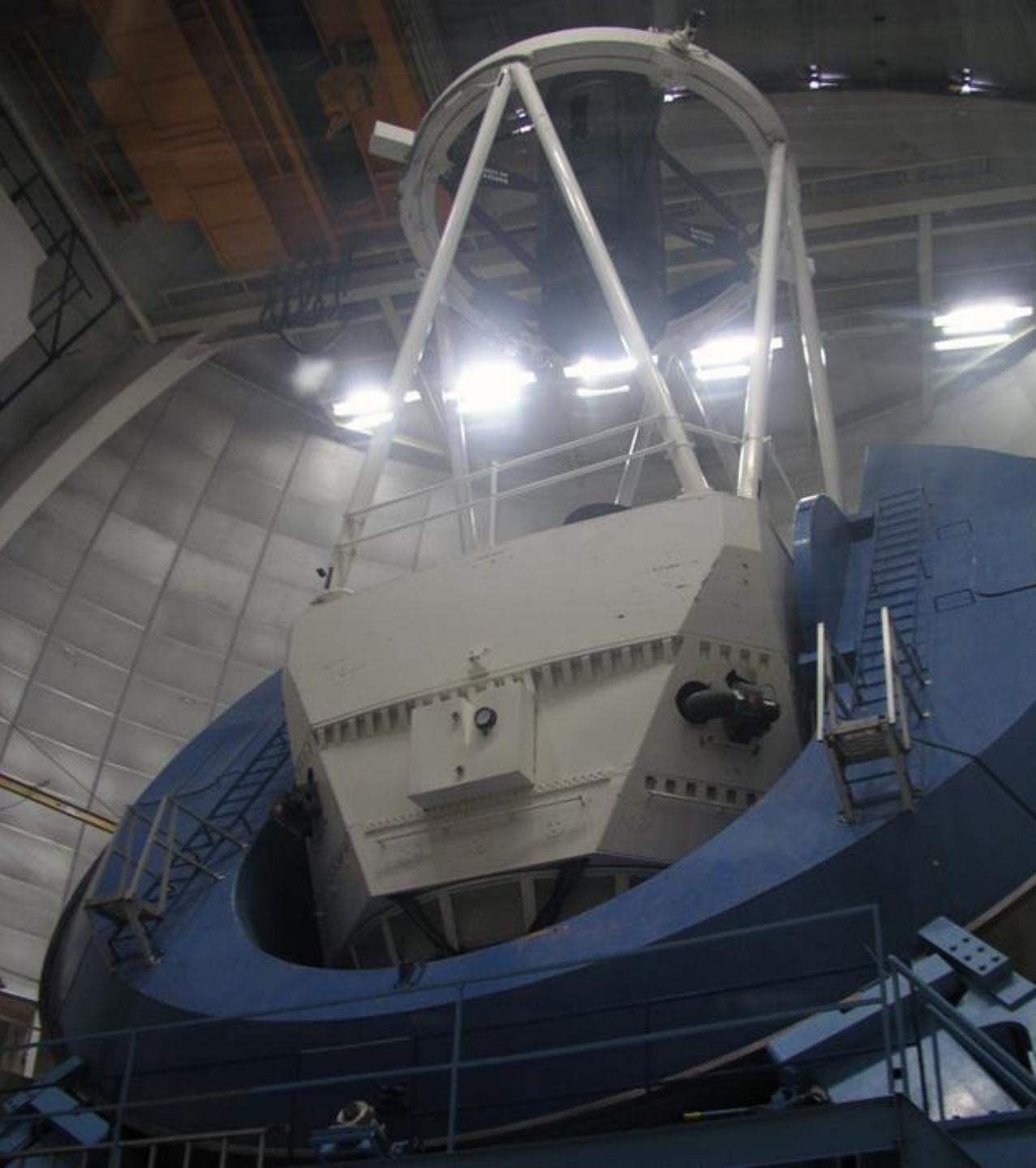
**OPEN DAILY 9 AM to 4 PM**

MT. ELEVATION 7000 FT.

















WELCOME  
TO THE  
BIG DOME?  
Where the sun peers y'all



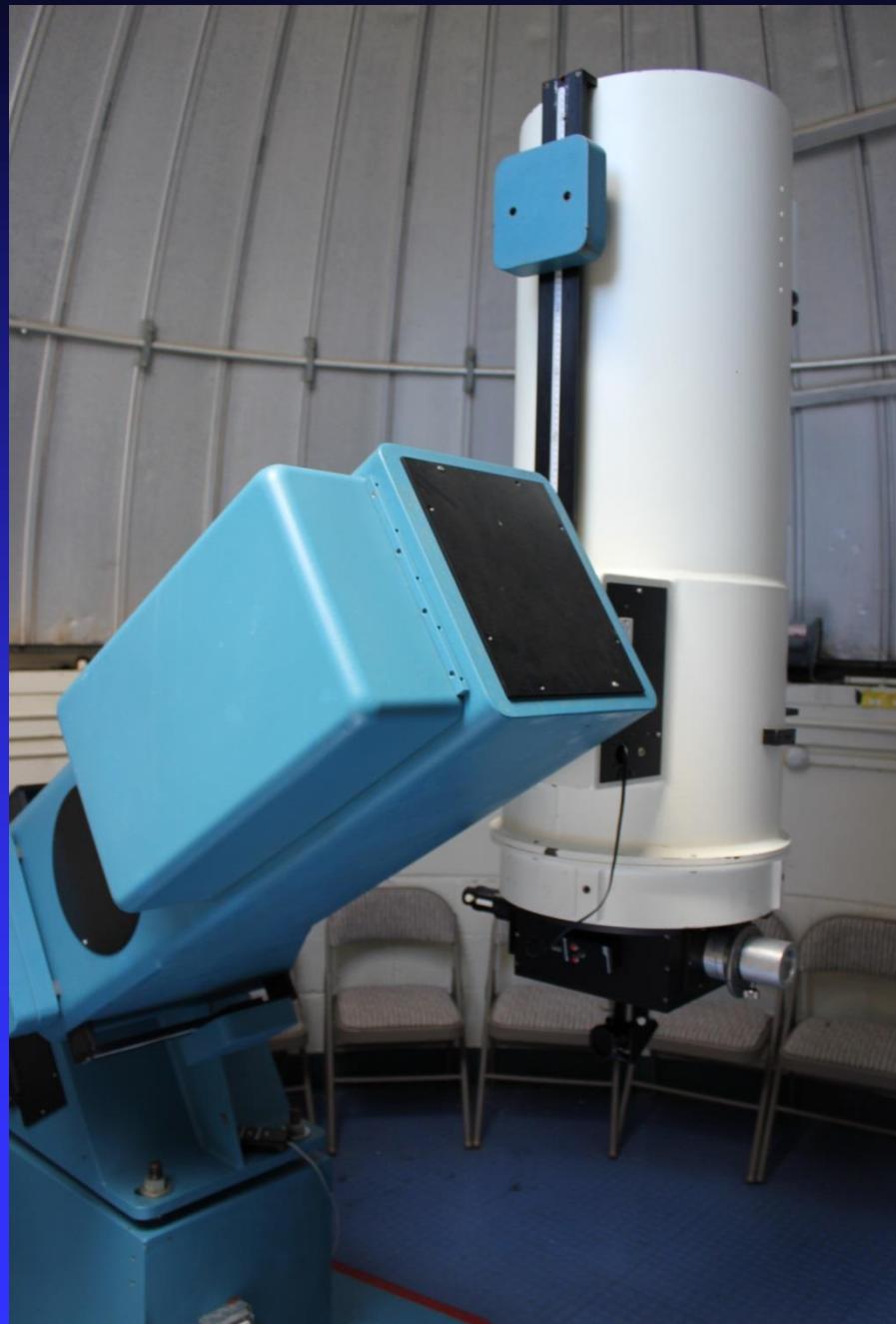
Tropical  
Marine Sciences







16'' f/10 RC



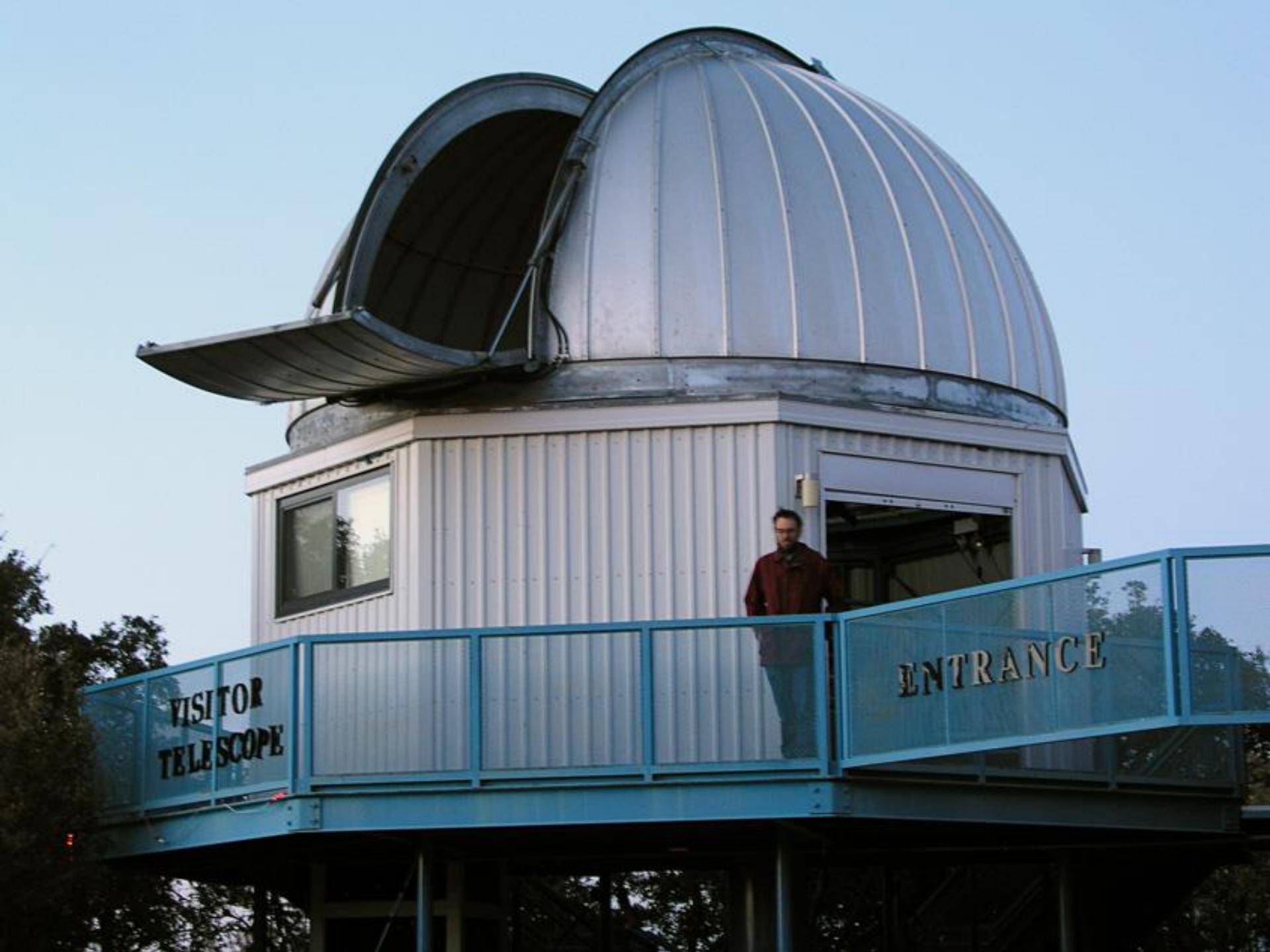


VISITOR  
TELESCOPE

ENTRANCE

WELCOME

Carter  
Observatory  
Wellington



ENTRANCE

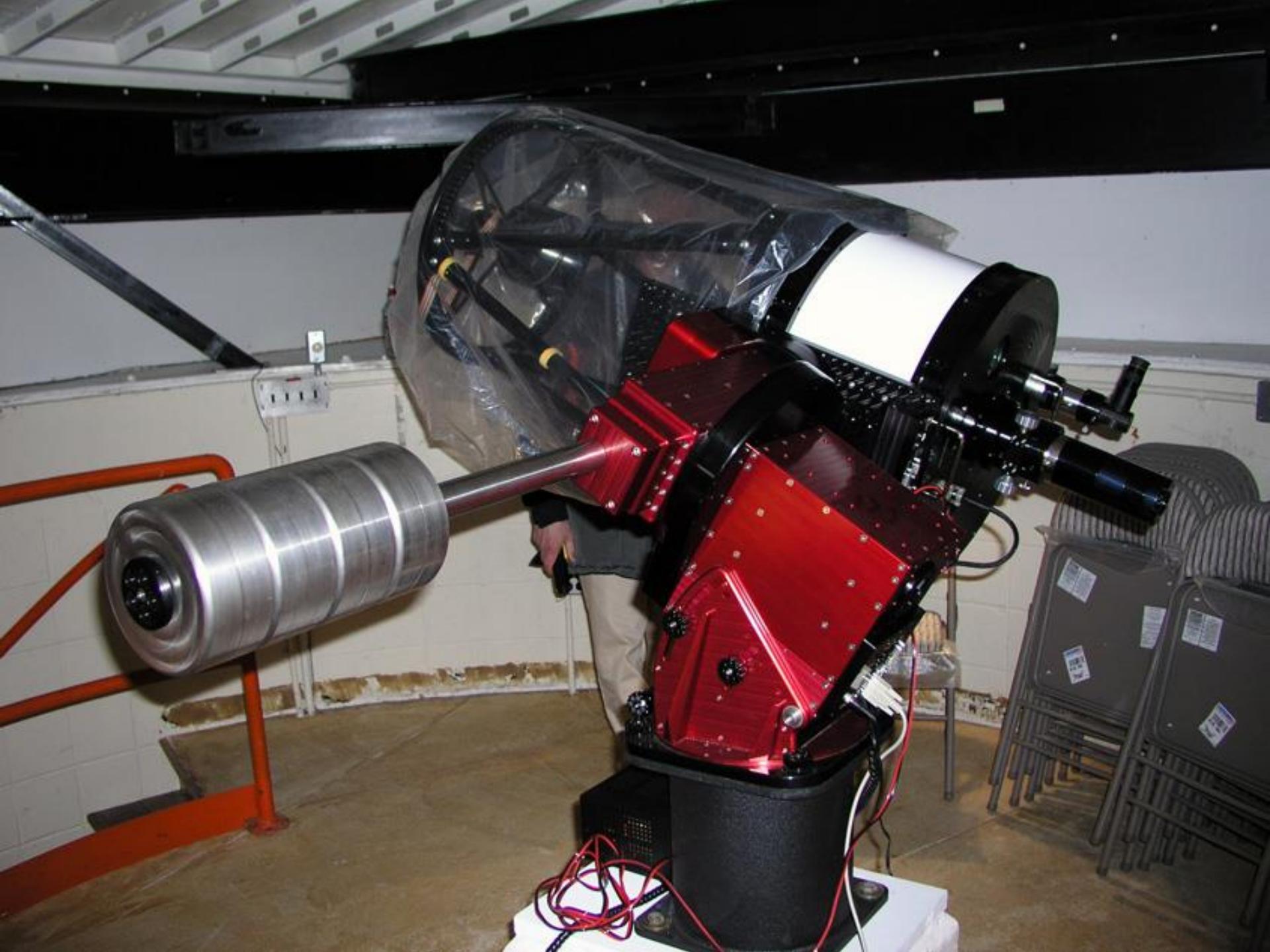
VISITOR  
TELESCOPE







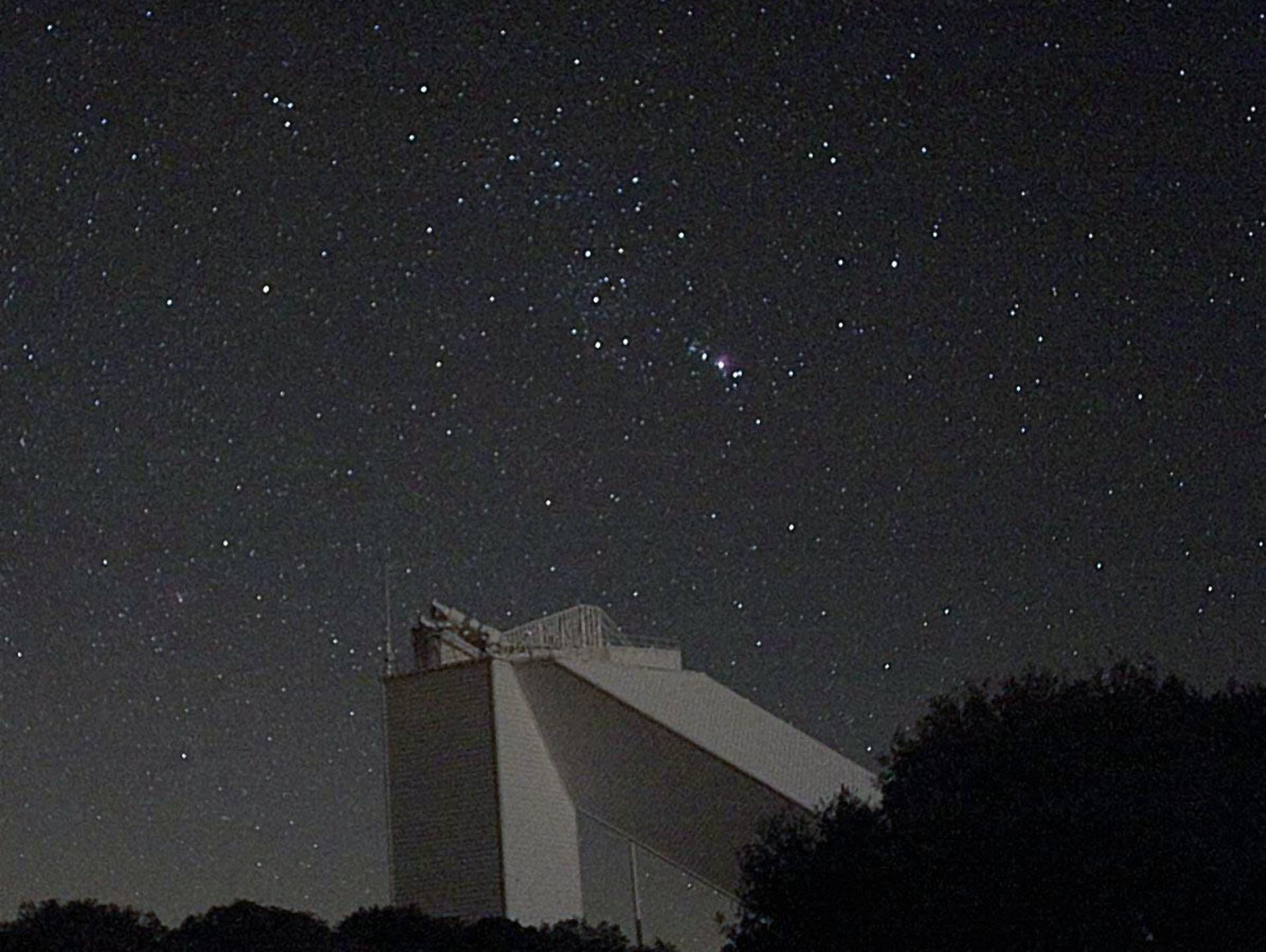








ENTRANCE

























# Mt Lemmon AstronomerNight

- Operated by University of Arizona
- The rate for Astronomer Nights is \$1200 per night for up to two people, including lodging and a night lunch.
- Reservations are fully refundable up to one month prior to the date of participation.
- Cancellation with less than one month is subject to a 50% fee.
- Remote Imaging offered





North  
American  
Astro-  
Imaging

Inc.  
SACRAMENTO













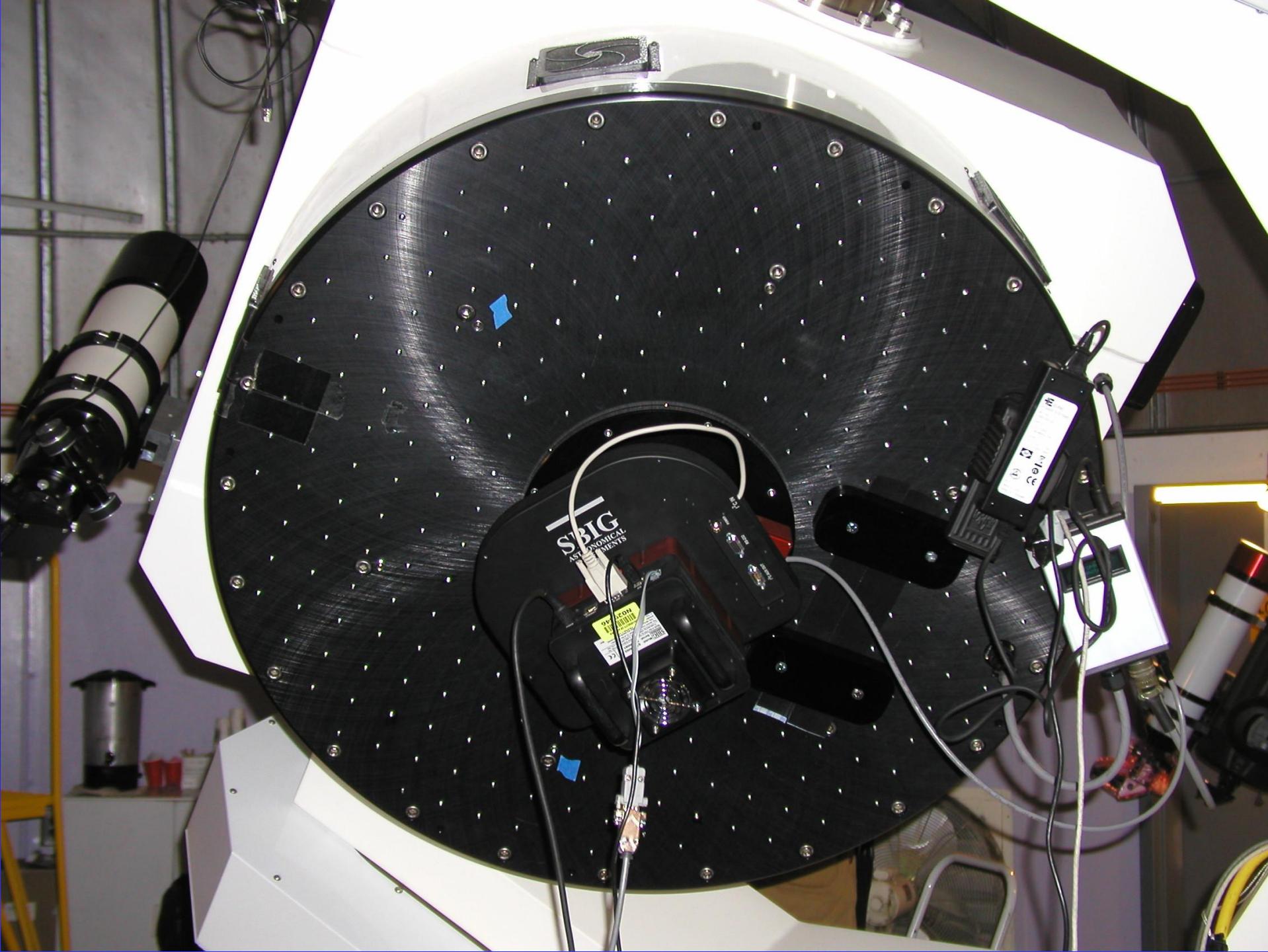


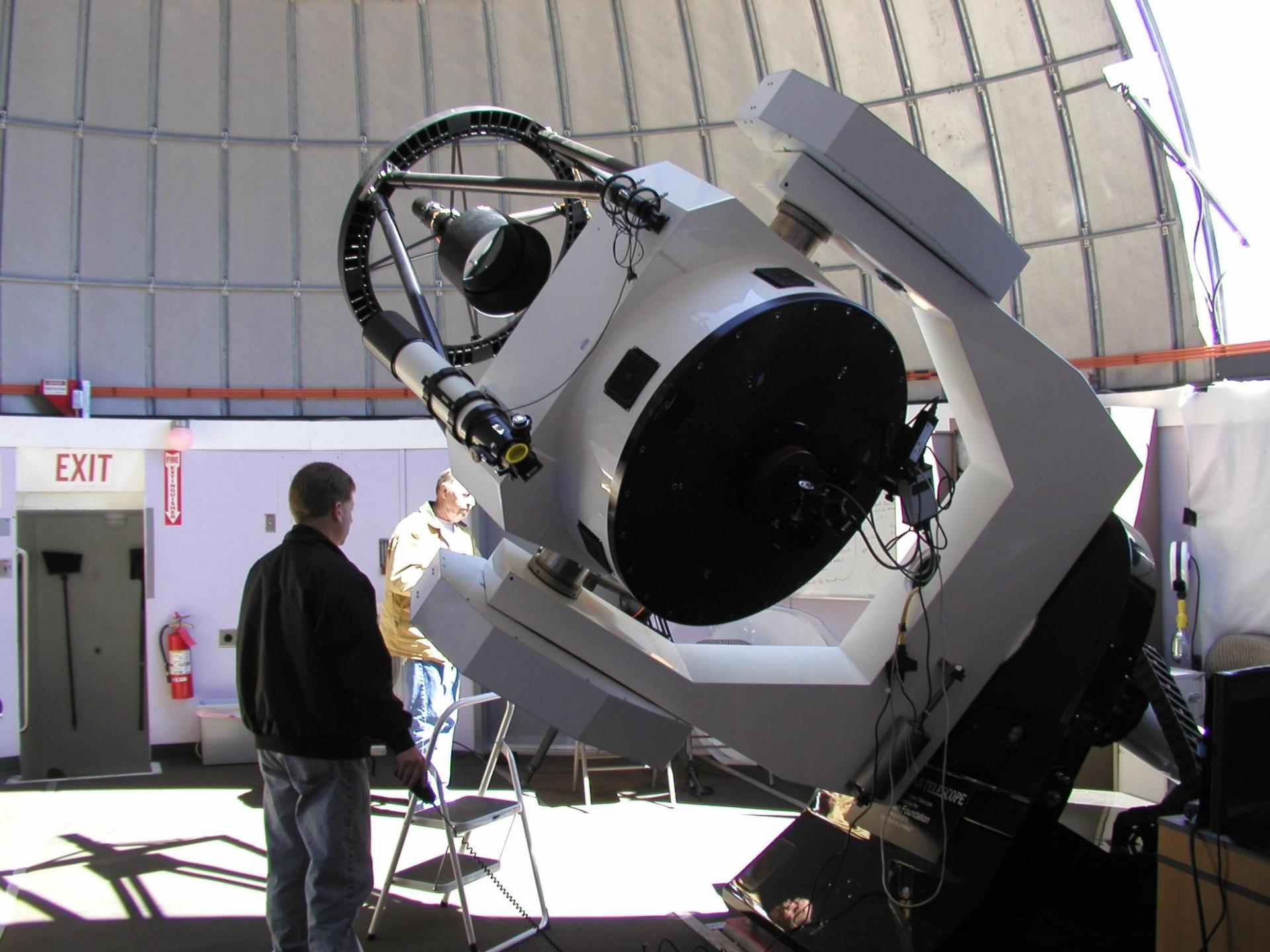












EXIT

FIRE  
EXIT-CON-  
TROL



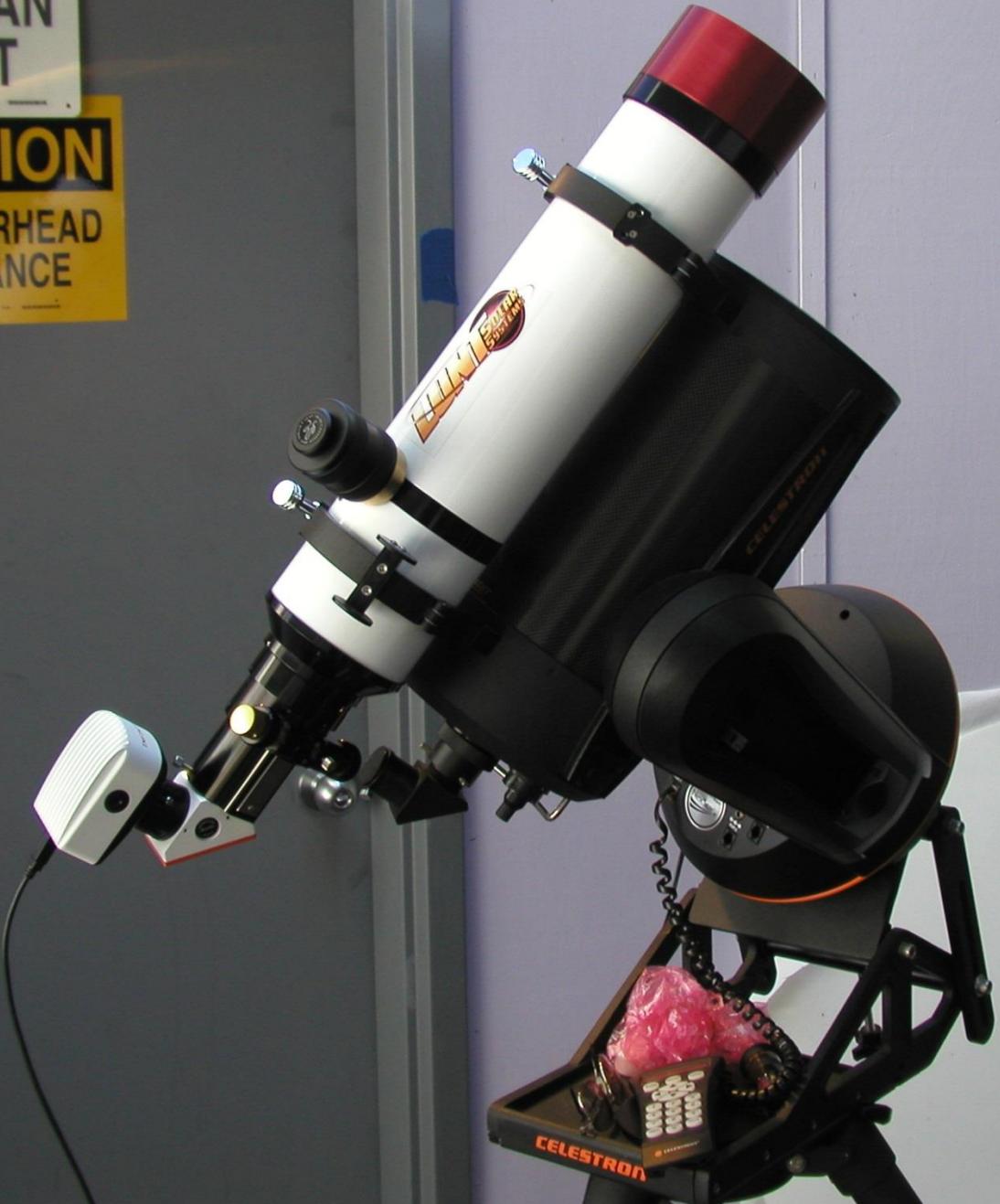
TELESCOPE

Foundation



**NOT AN  
EXIT**

**CAUTION  
LOW OVERHEAD  
CLEARANCE**



- ✓ Remove from Truck (F)
- ✓ Set down on ground
- ✓ Attach Harnesses/Straps
- ✓ Lift Telescope > Plate
- ✓ Lower Thru Slit
- ✓ Set down on
- ✓ Level on Bolts
- ✓ Rough Collimation Tak Tool
- ✓ Connect Wires/TCC/Computer
- ✗ Connect Power
- ✗ Confirm Telescope drive axis ThSKY
- ✓ Align on Star ThSKY
- ✓ Align Telrad / Look Thru Eyepiece
- ✓ If Drift is Star → tip/tilt Camera
- ✓ Else Polar Align (Drift Method)
- ✓ Attach Camera

≈ 5 minute Setup Desired









# Let's process an image

- Great data = easy processing!
- Mt Lemmon – Image of the Whale Galaxy
  - ◆ 24" RCOS, sub arc second seeing