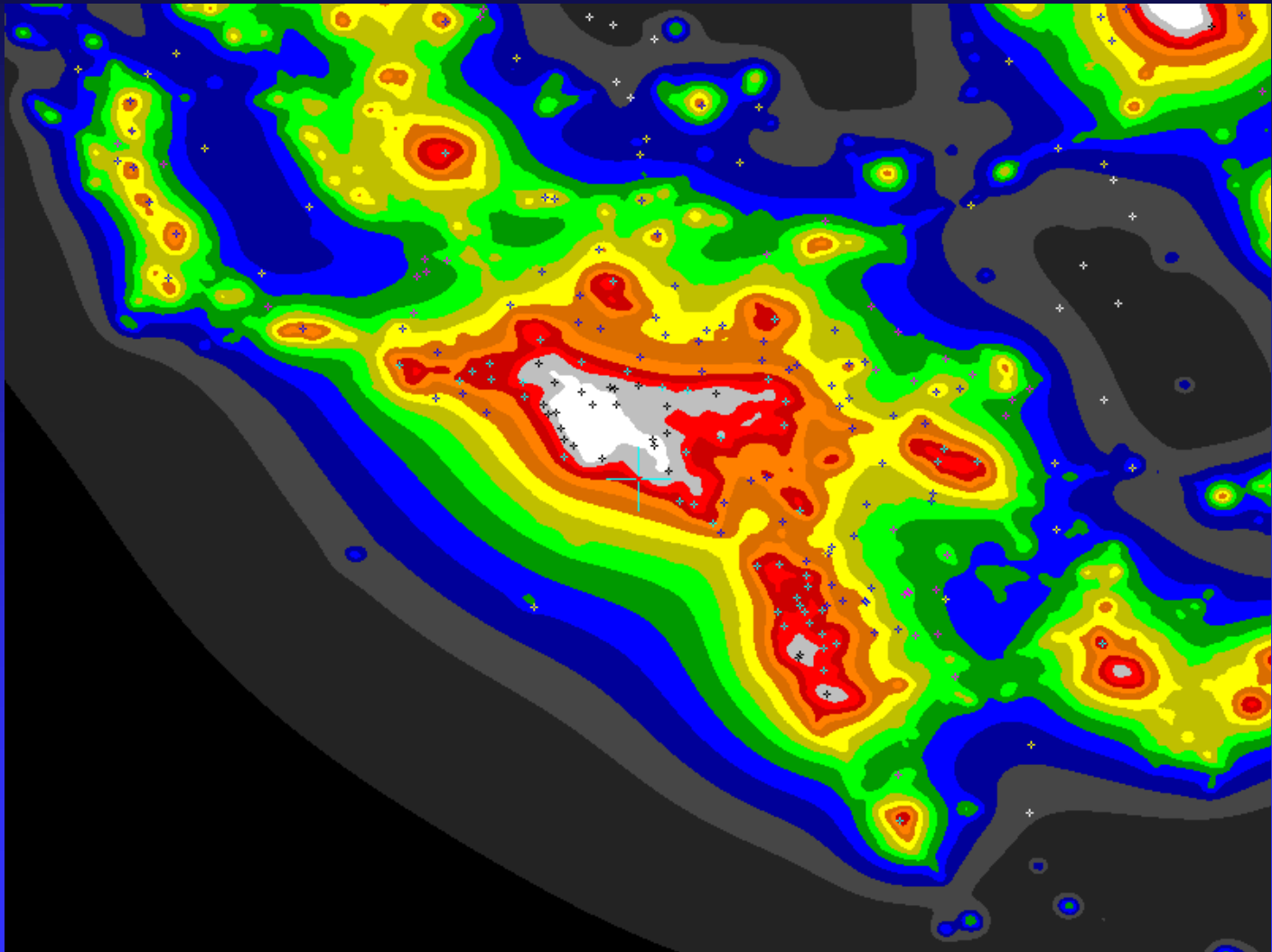




# Imaging from Kitt Peak and Mt. Lemmon Observatories in Arizona Why Arizona?

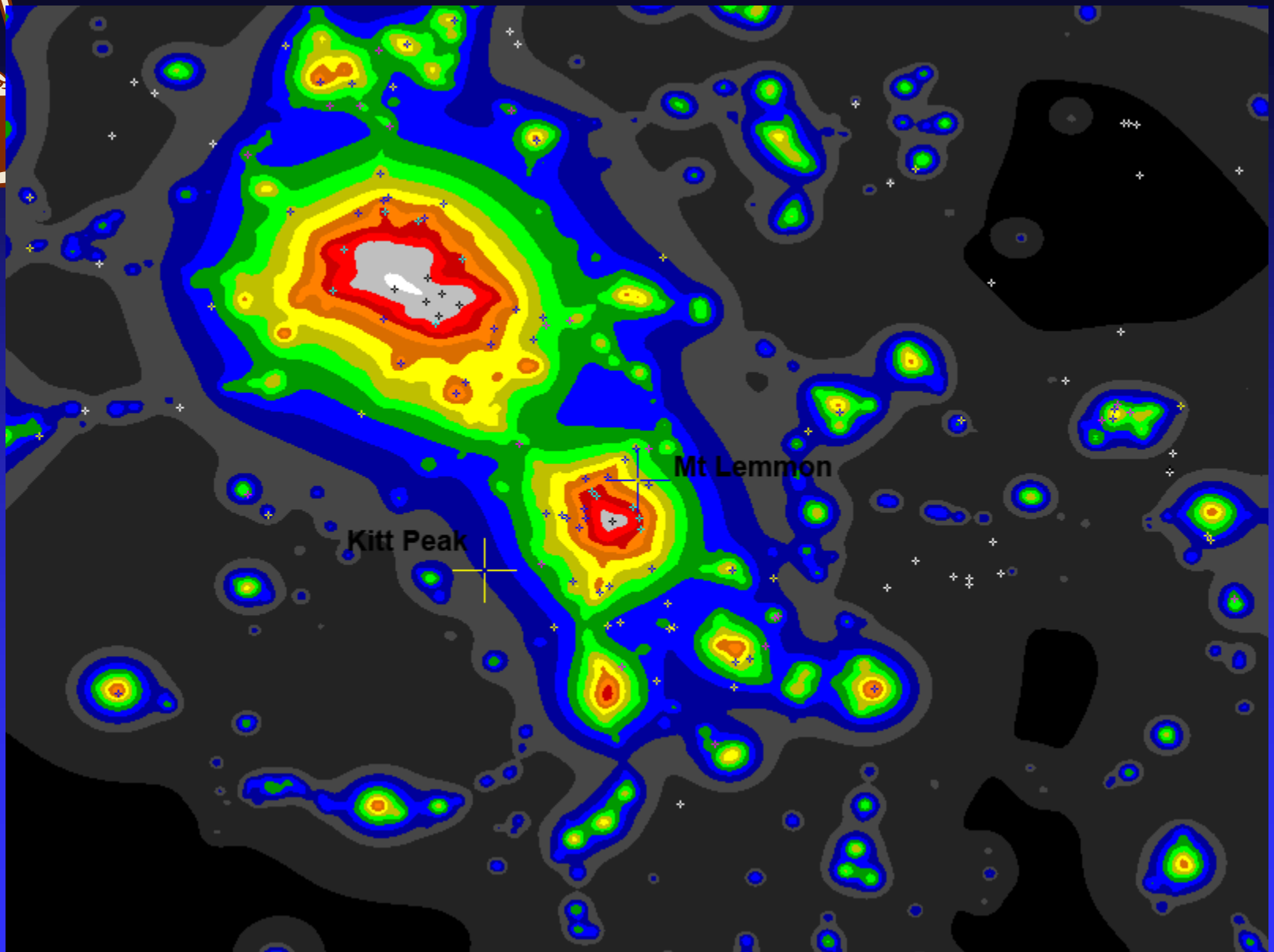




## 2 Observatories you can rent

- 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**

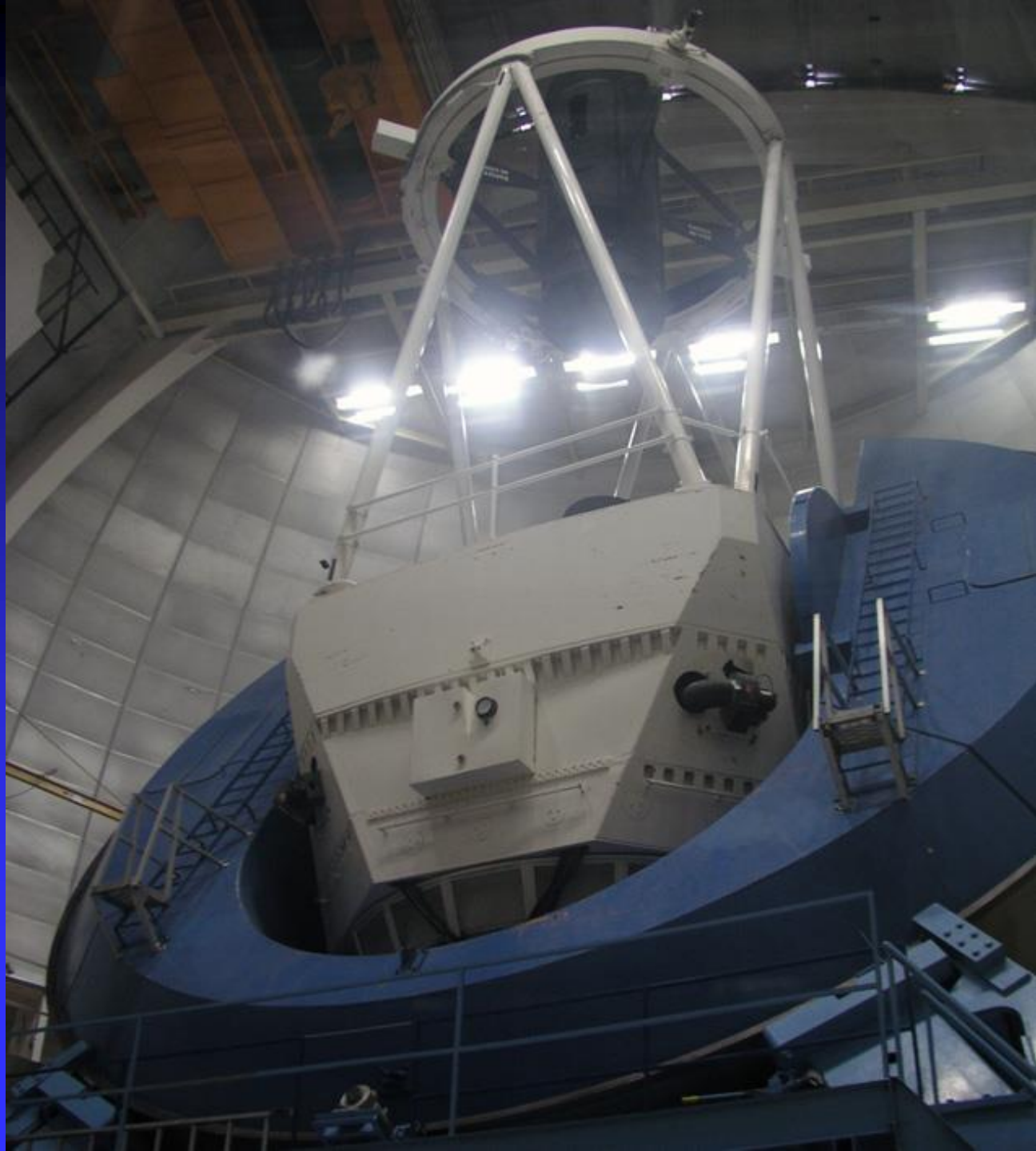
OPERATED BY THE  
**ASSOCIATION OF UNIVERSITIES  
FOR RESEARCH IN ASTRONOMY, INC.**  
UNDER CONTRACT WITH THE  
**NATIONAL SCIENCE FOUNDATION**

**OPEN DAILY 9 AM to 4 PM**

MT. ELEVATION 7000 FT.



















Sunshine Connection

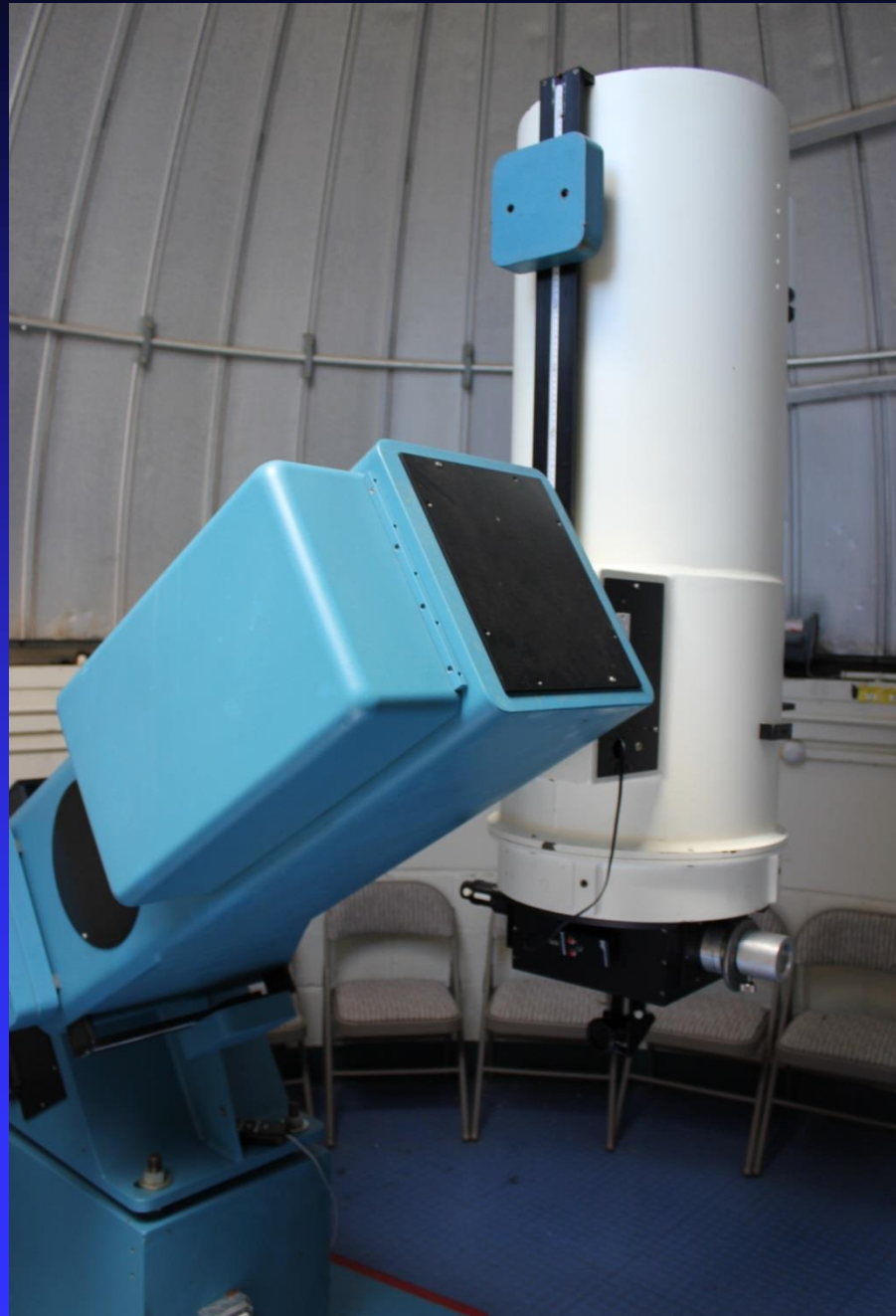
Finger Mailbox

WELCOME TO THE GLE CUBE? Where the cool peeps go!!





16" f/10 RC





VISITOR  
TELESCOPE

ENTRANCE

WELCOME

THE PALM BEACH OBSERVATORY  
1997-2000





VISITOR  
TELESCOPE

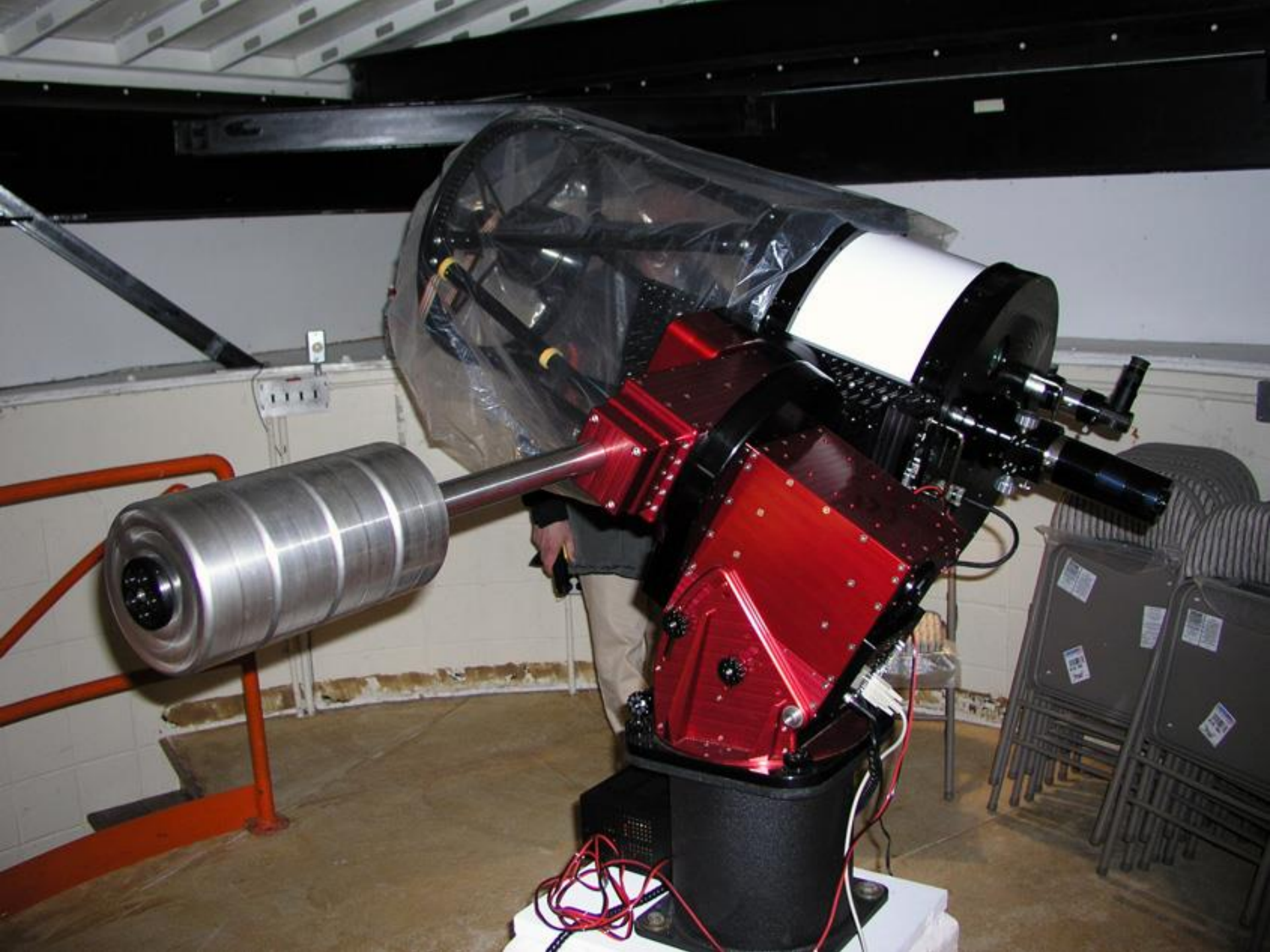
ENTRANCE









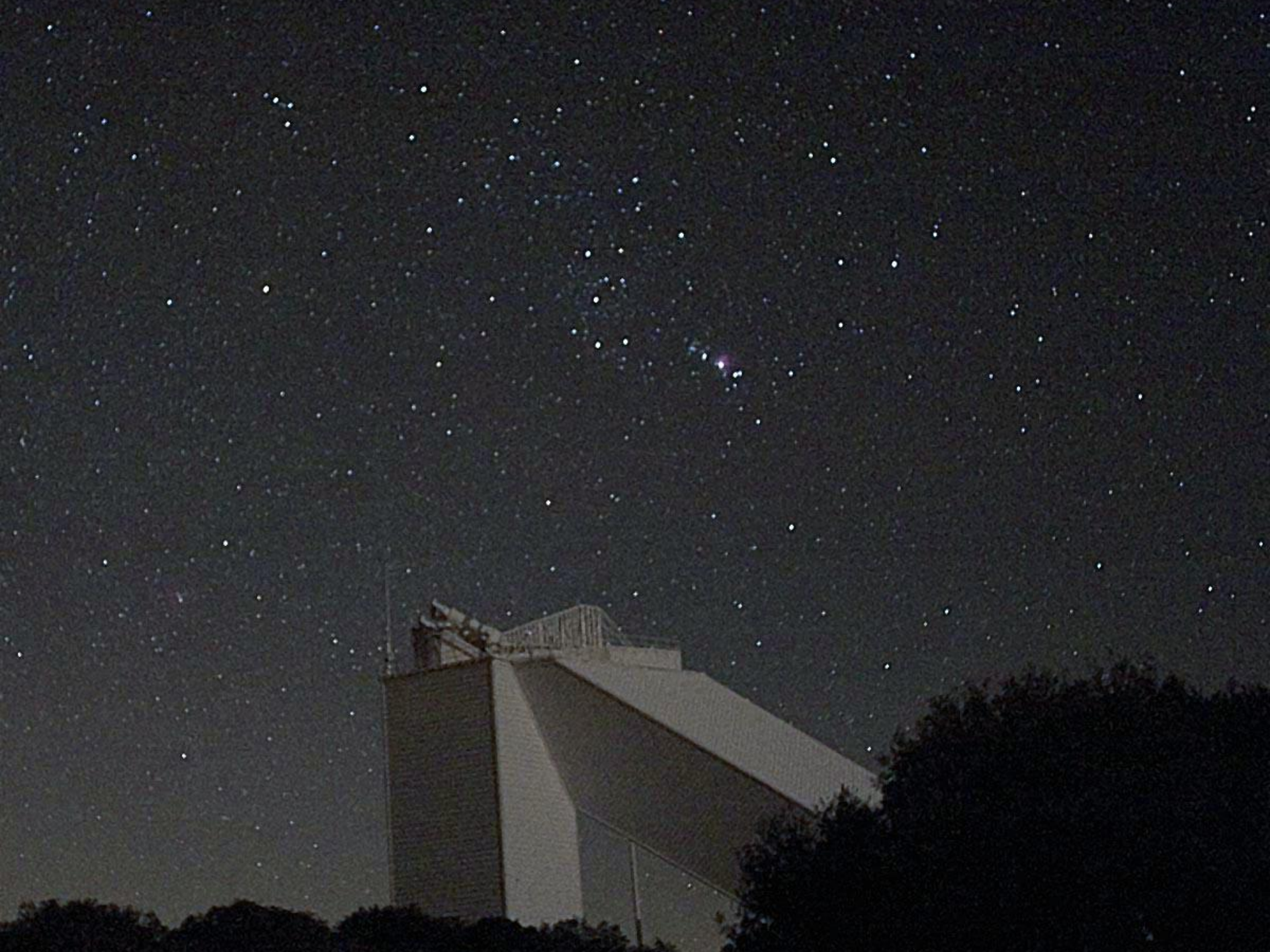






ENTRANCE





























# 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







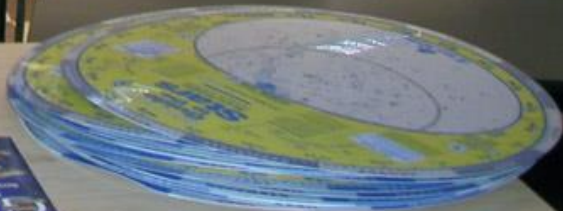






Discover the secrets of the universe

Discover the secrets of the universe









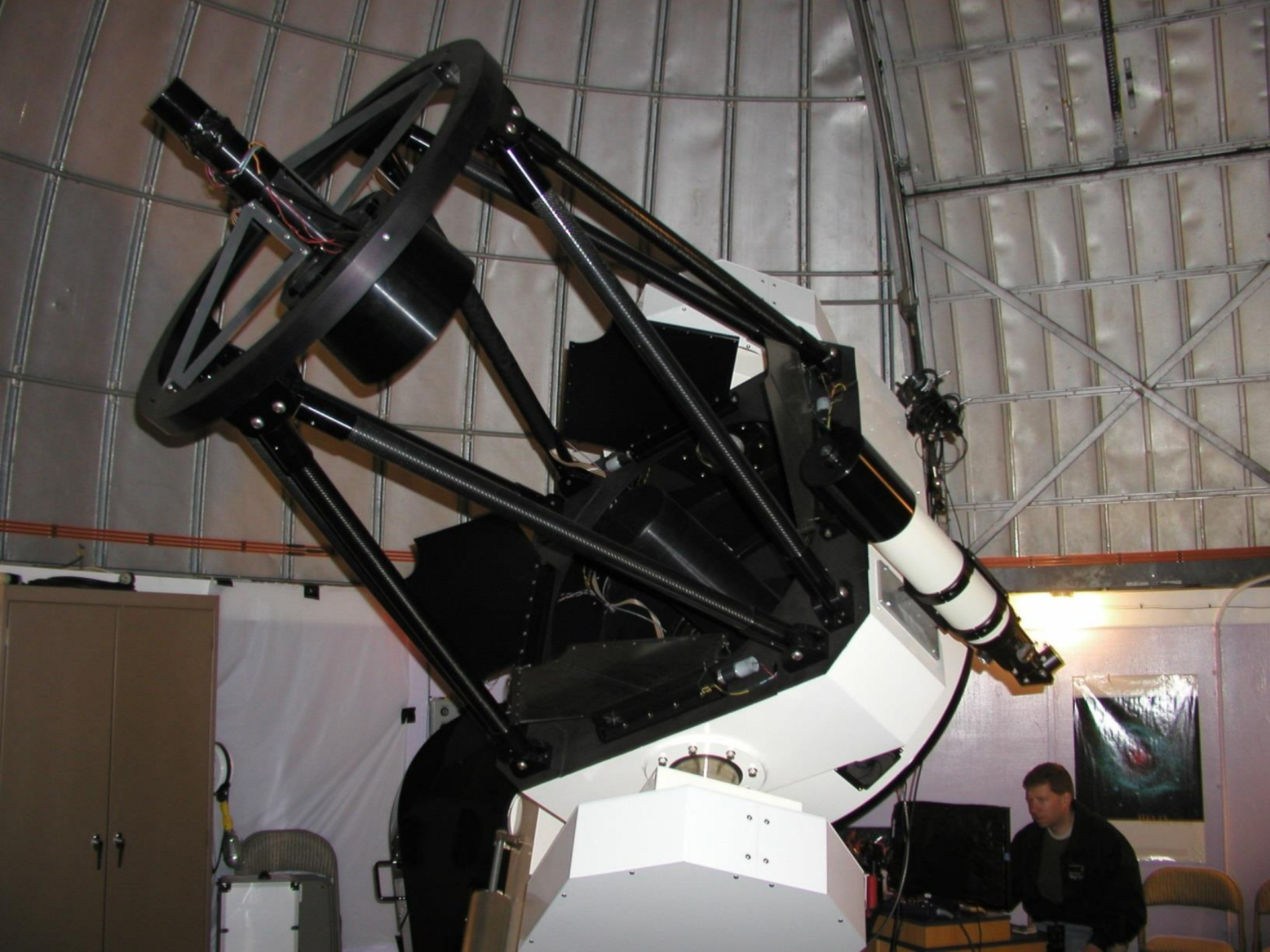


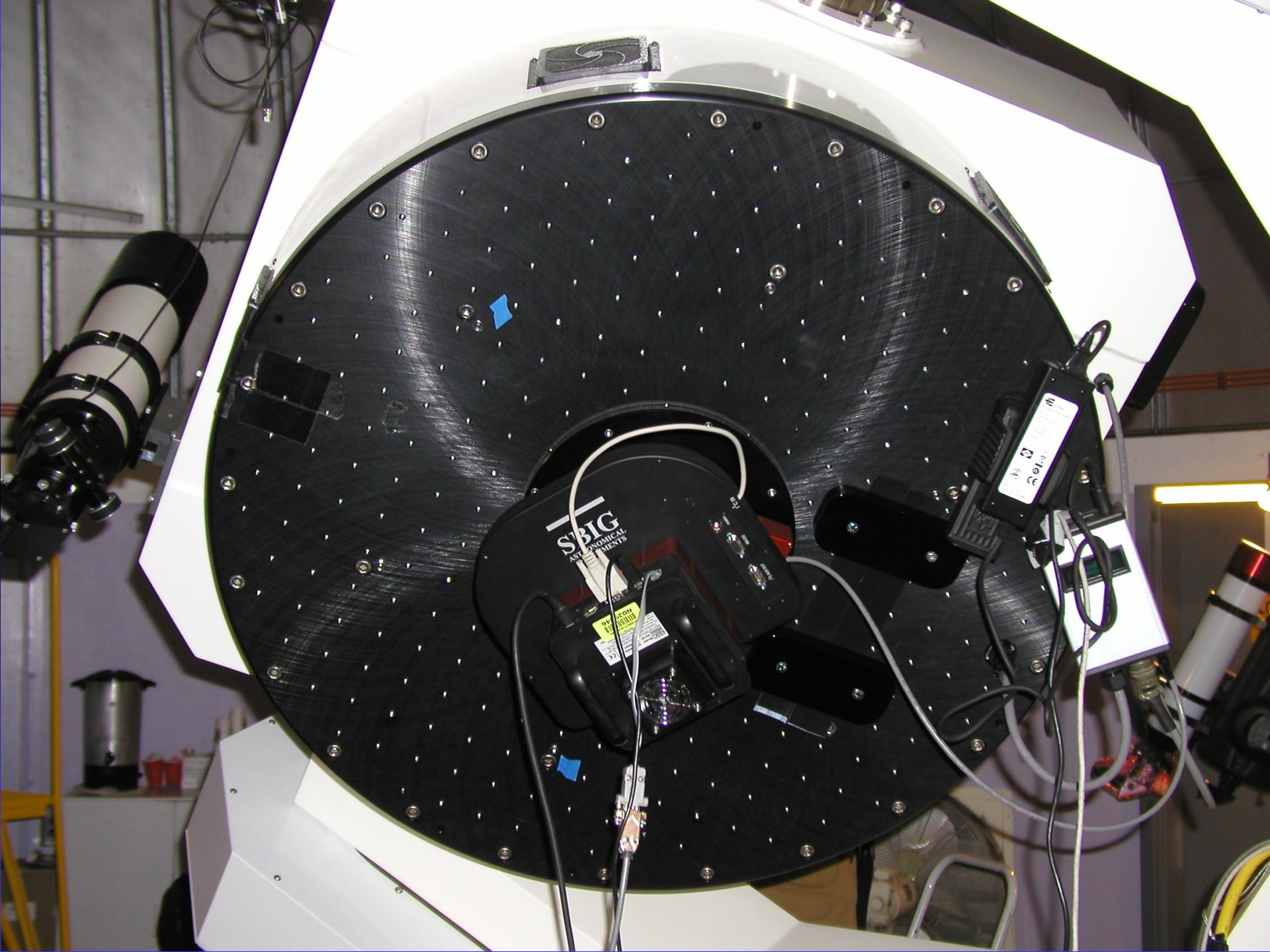








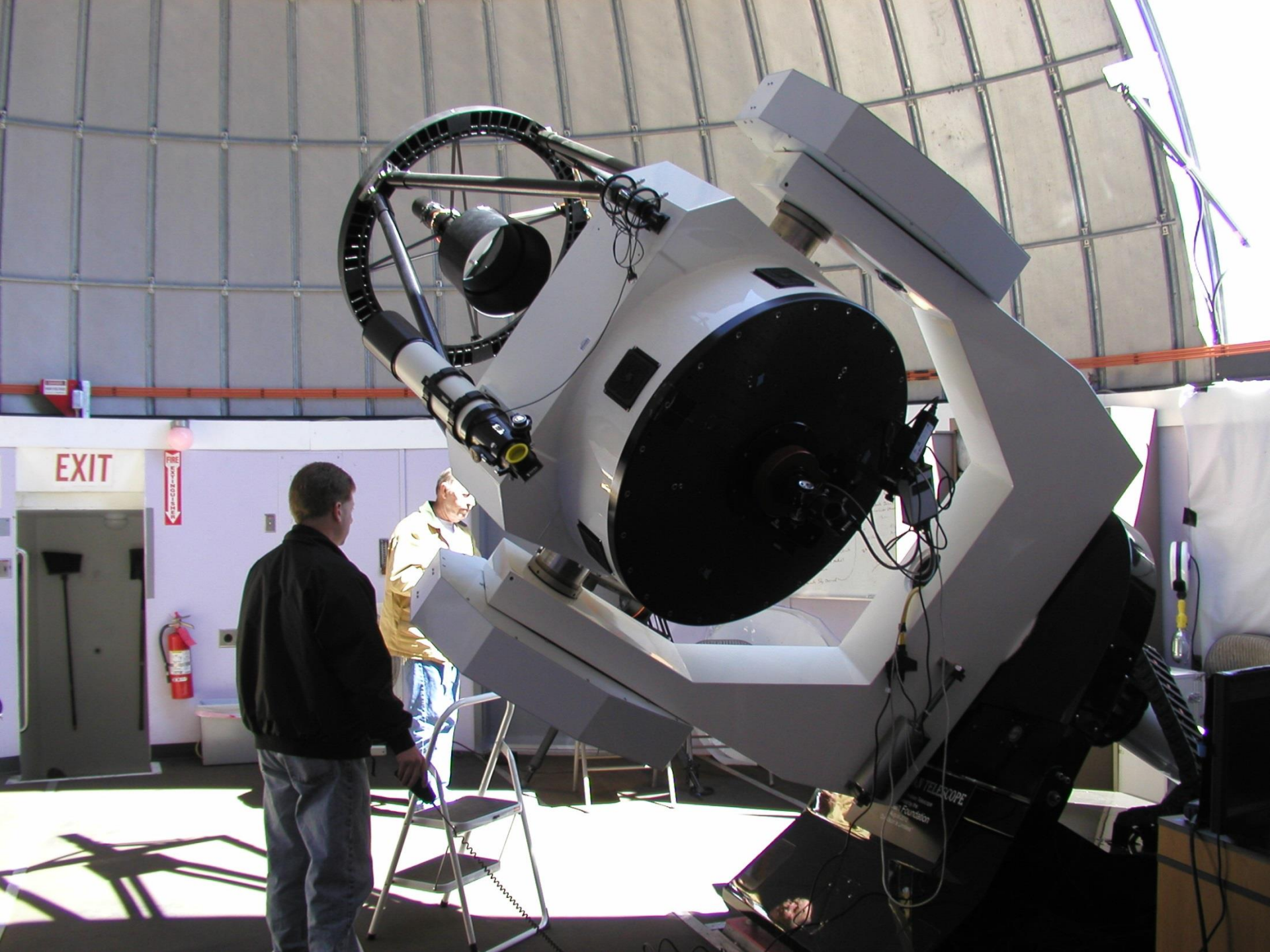




SBIG  
ASTRONOMICAL INSTRUMENTS

ACON  
REPAIR  
SERVICE

05  
2010



EXIT

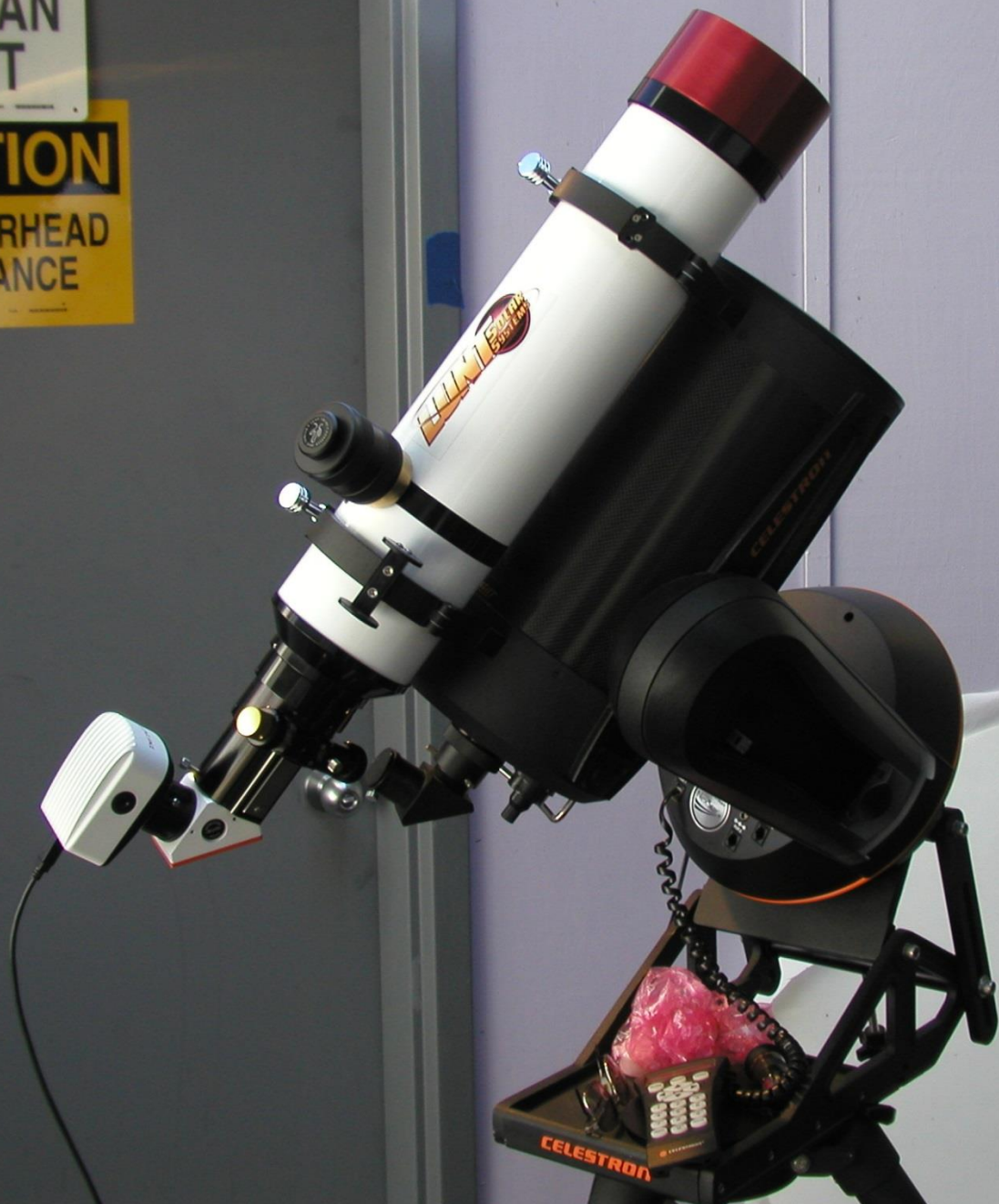
ENTER - CODE - 4000  
FIRE

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 Slt
- ✓ Set down on
- ✓ Level on Bolts
- ✓ Rough Collimation Tak Tool
- ✓ Connect Wires/TCC/Computer
- ✓ Connect Power
- ✓ Confirm Telescope drive axis
- ✓ Align on Star ThiSKY
- ✓ Align Telrad / Look Thru Eyepiece
- ✓ If Drift is Slow → tip/tilt Coll.
- ✓ Else Polar Align (Drift method)
- Attach Camera
- ≈ 5 minute Sky Desired











# Let's process an image

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