## Normal Operating Instructions for the Schulman 0.8m Telescope

In this case "normal" basically means using the telescope for visual observing (SkyNights programs).

## Everything that follows assumes the following:

- Telescope Controller is operational and in the normal state. (Telescope servos are on and the telescope has been homed. The telescope is in the ready state to observe.)
- Dome is operational and in the normal state.
- Computer does not have other running software, scripts or connections that would interfere with normal operations.

## Starting things up

1. Open ACP (see desktop Layout) Under Telescope menu select Connect.

CP T		ator Weather Help	
LS	Connect	EV GEN ROT	
RA	Park	CUS DOME WEA	Select the Scrip
De	Unpark	ACK GUIDE ENP	Click Browse to select the script to r Most often this will be Acquire/mage
Az	Set Time	Display Hour Angle	
Alt	Set Location	Display J2000	
UT	Load Model	-Nov-16 Console of	sufout:
	Save Model As	Sidereal Tracking	
Ro	Setup	b Access	
10115-05	ranical Angle,	User:	
S	et Angle 000.0	Status: Available	
		Owner:	
Sle	w or Sync (catalog)	Use Web Browser	,
	ludge Telescope	Dome Control	Abort Alert Ru

- 2. Upon connecting the heads up screen will show the coordinates of the telescope. Please verify LST and coordinates make sense.
- 3. If ACP complains the COM port is not available, it is likely another program is talking to the DOME or Telescope controllers. (e.g. ASCOM Dome software)
- 4. Also ACP is set up to command the dome to find **HOME** when first connecting. If ACP was already connected to the telescope and the dome is slaved the dome will not move.
- 2. Press the "Dome Control" button to reveal the dome state. It will only allow this once the dome is homed and not moving.

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Seeing *Slaved* and reporting the correct Azimuth is a success.

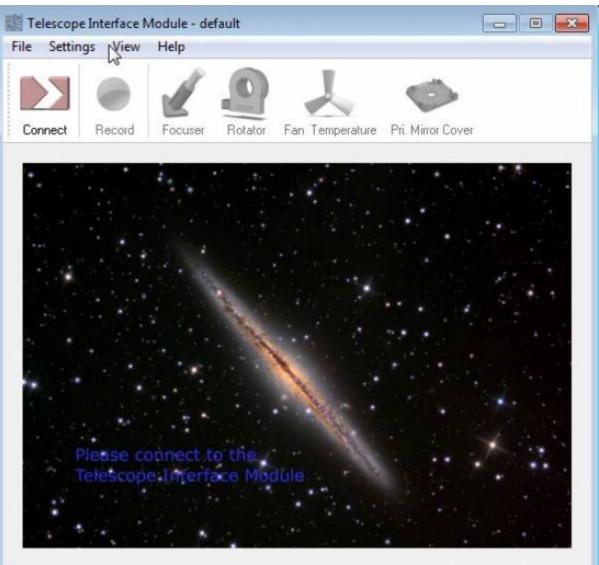
- 3. Open the dome by pressing the "Open" button.
- 4. After the shutter is open move the telescope to the Zenith position (in order to open the mirror covers). Once there the telescope is now tracking.
  - 1. Press the *Slew or Synch (Catalog)* button to command the telescope to move.
  - 2. Select to radio button for *Coordinates* and input LST values for the RA coordinates and 32 for Declination.



3. Press the Go To button to slew to Zenith.

5. Open the RCOS TIM software and *Connect*.

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- 1.
- 6. OPEN the Mirror Covers.
- 7. Check the *FOCUS* tab to be certain the secondary mirror is at the Eyepiece focus position.

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