North Dome Setup

1) **Open the dome shutter** and put the pin somewhere safe (usually the ledge).

2) **Plug the dome power cord into the North wall outlet.**

3) **Remove mirror and finder-scope covers** and put them somewhere safe.

4) **Plug in and turn on telescope.** Use the outlet on the telescope pillar. Allow the telescope to "initialize smart mount". The telescope may tilt.

5) **In Setup menu enter time, date, and daylight saving.**
   - **Don't let it initialize the GPS.** If it does, press the Mode button until it stops.

6) **The telescope will track without setting the pointing,** but it will not find objects automatically. Use the arrow keys to slew.
   - **Adjust slew speed** by pressing the Speed button and 1 - 9 (slowest - fastest).

7) **Set up the pointing** by manually slewing to a named star. From the Setup menu use the scroll keys to select 'object', 'deep sky', 'star', 'named', find your star in the (long) list, and press Enter to select the star. Hold down Enter for 2~3 seconds (until it beeps asking if you want to synchronize); then press Enter again.
   - **To fix a poor alignment**, turn the telescope off and on and repeat step 7.

8) **To slew automatically to an object** either use the scroll keys to select it from the Setup menu 'object' list or use the catalog keypad buttons: press 3 (with 'M' on the button) to enter a Messier number, or press 9 (with 'NGC' on the button) to enter an NGC number. Once the object is selected, press the Goto button.
   - **Don't let it initialize the GPS;** press Mode to stop it and redo step 8.

9) **Focus the telescope using**
   - 1) **the coarse adjustment knob on the telescope itself:** the silver knob on the telescope barrel base (not the mirror lock knob); or
   - 2) **the paddle focus:** press the Focus button to enter focusing mode, use the arrow keys to focus, and press Focus again to exit focusing mode.

10) **Move the shutter** with the buttons on the upper rightmost side of the North wall.

11) **Change the eyepiece** by unscrewing the little knob on the eyepiece, sliding the old one out, sliding the new one in, and retightening the knob. **Put the old eyepiece in one of the Orion plastic boxes to keep it safe.**
North Dome Shutdown

1) **Close the dome shutter** and replace the pin.

2) **Unplug the dome power cord from the wall** (do not unplug it from the dome).

3) **Park the telescope** so that the barrel faces South with the barrel axis perpendicular to the U-mount (it ends up pointed up 45°). From the East door the telescope should look like this

   The telescope should not look like this:

4) **Turn off and unplug the telescope.**

5) **Secure the paddle** in the brace on the telescope mount.

6) **Replace mirror and finder-scope covers.**

7) **Put laser pointers back** in black boxes in the closet on the left-hand shelf and lock the door.

8) **Shut and lock the East and West dome doors.**