

Opening the Observatory

- ✓ Unlock Door



- ✓ Dome White Lights



- ✓ Stair Red Lights



- ✓ Dome Red Lights



- ✓ Fan



- ✓ Dome Hatch



- ✓ Scope Covers



- ✓ Scope Power



- ✓ Dome & Pier



Door Lock



The combination is on your membership card.

White Lights



The white lights are controlled by two switches.
The dimmer as shown here and the one by the door shown below.



The switch nearest to the door controls the lights.



This is also a dimmer for the white lights.

Stair Lights ON



The red stair lights are controlled by two switches.
One at the bottom of the stairs, and one at the top.



Bottom of stairs light switch, left side of door.



Top of stairs light switch by gate.

Red Lights

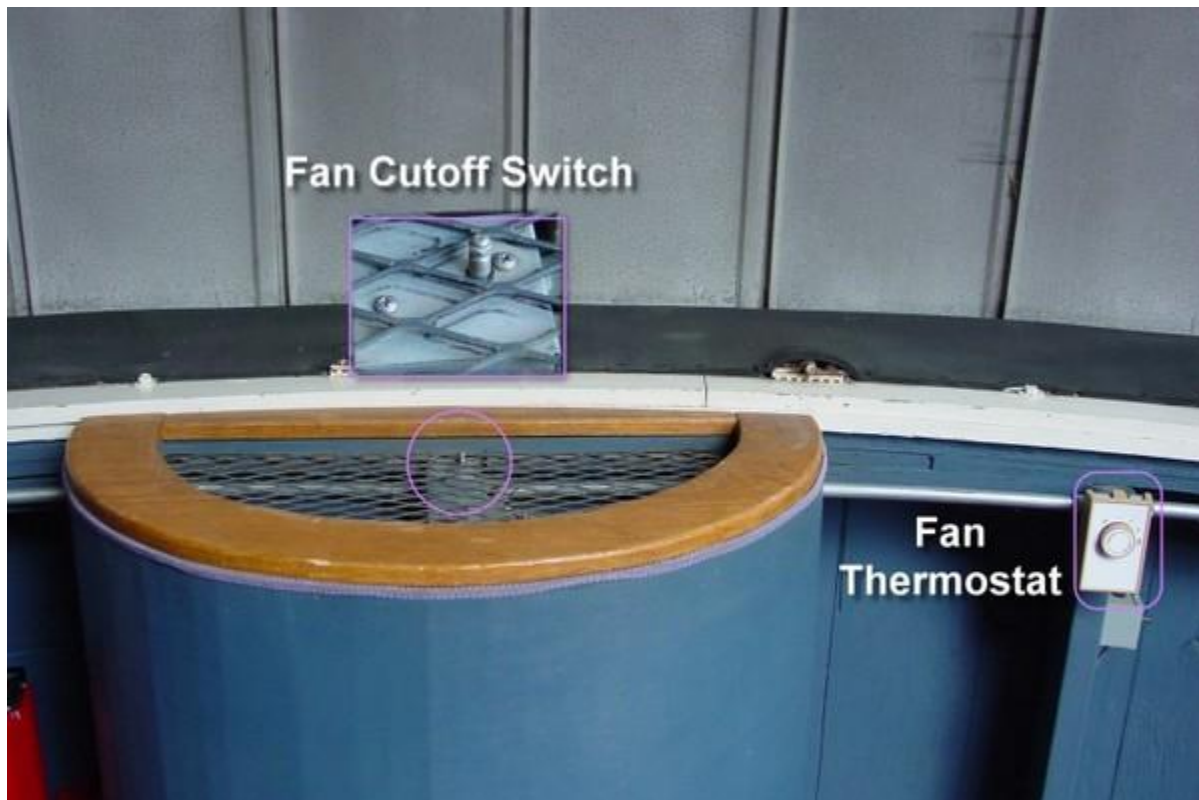


The red dome lights are turned on by a Master Switch, located by the gate.



Each light as an ON/OFF switch and Dimmer.

Fan & Table



The exhaust fan is controlled by the thermostat and cut off switch.



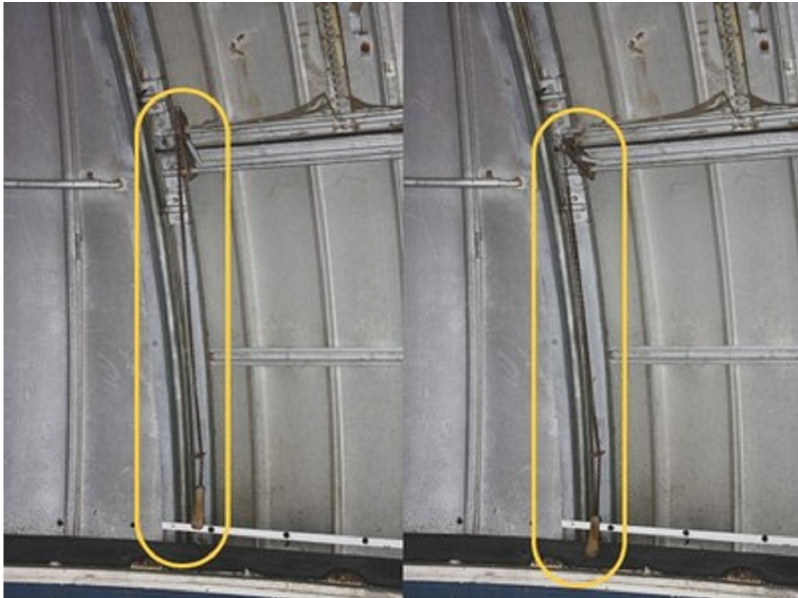
The preferred way to cut the fan off is to place the table on the inlet vent as shown. This will automatically cut the fan OFF, and back ON when removed.

Open Hatch



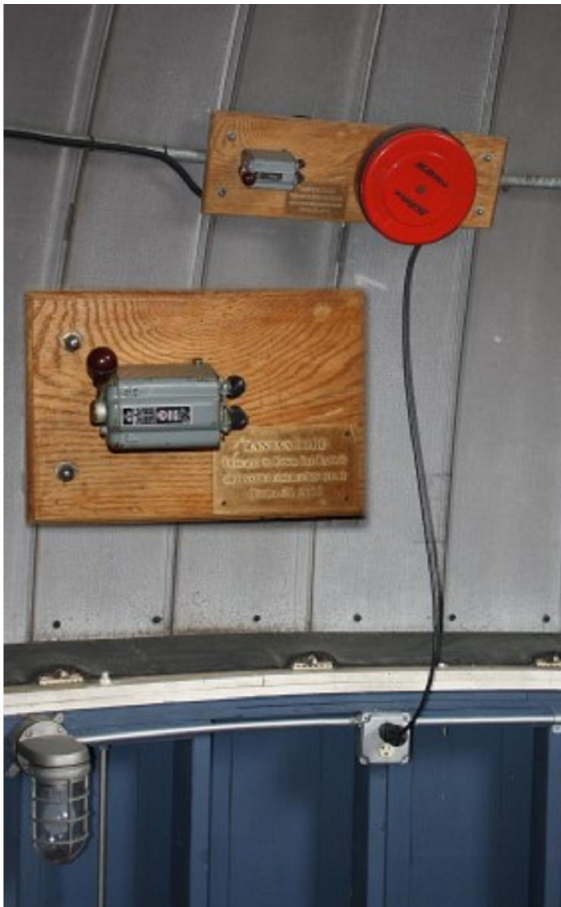
The hatch can be opened two ways.

1. With the lower panel raised, to allow horizon viewing.
2. With the lower panel not raised, to allow overhead viewing. This is the most used position.



Leave the latches so they connect to the upper part to raise the lower panel.

Pull the handle to release the latches to not raise the lower panel. Note the chain is hooked to hold the latches while the hatch is raised.



Plug the hatch motor power cord into an available outlet.

Flip the control switch to the UP position. The motor will cut OFF when the hatch is all the way open.

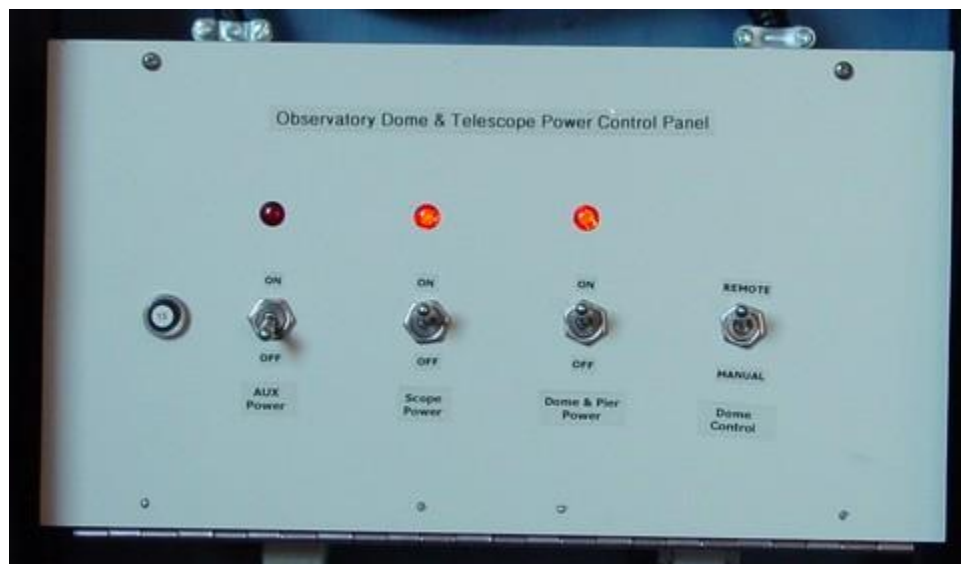
Don't Forget to Unplug the Power Cord before rotating the dome!!!

Remove Scope Covers

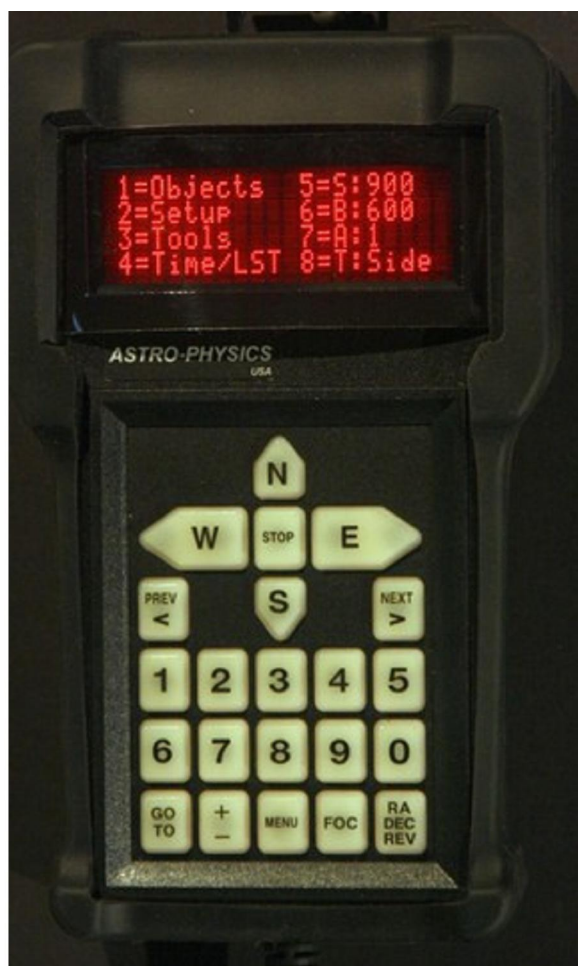


Uncover the scope and remove the lens caps.
You can put most of them in the top of the eyepiece box.

Power ON



Power ON the Scope, Dome & Pier, and put the Dome Control in REMOTE.



The mount is now up and running.

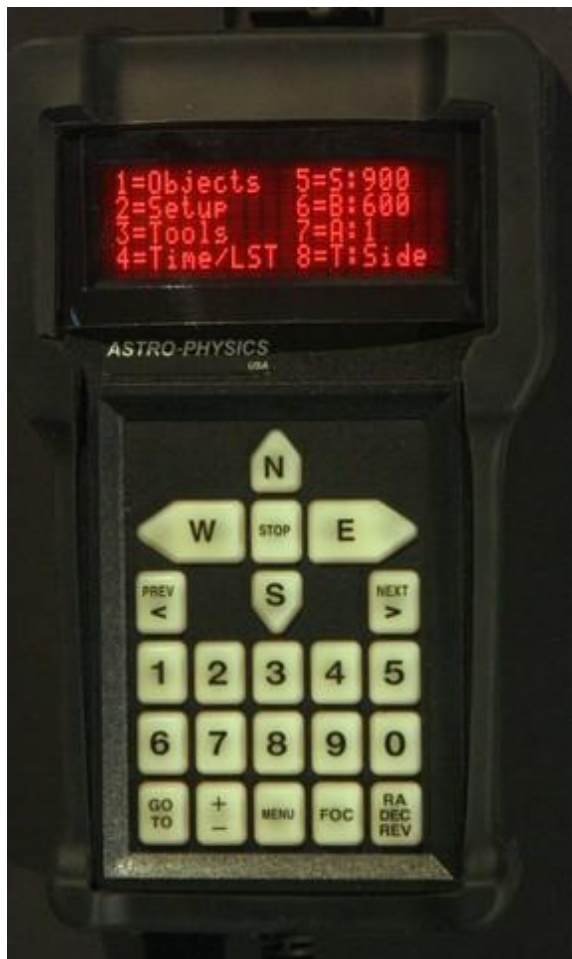
Dome & Pier



The dome rotation and pier height are controlled using the small hand control.

CCW & CW rotates the dome.

UP & DN adjusts the pier height.



Control the mount with the ASTRO-PHYSICS hand controller.
The MENU button will get you back to this screen.
STOP will stop any GOTO operation.

Closing the Observatory



Park Scope



Scope Covers



Close Hatch



Power Scope OFF



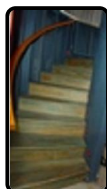
Fan



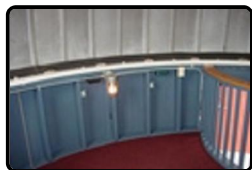
Dome Red Lights OFF



Stair Red Lights OFF



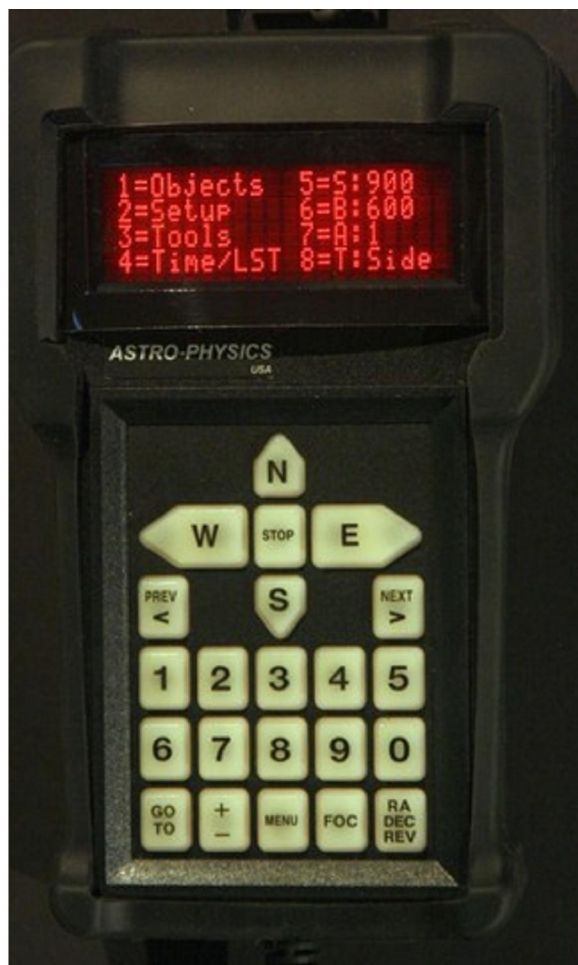
Dome White Lights OFF



Lock Door

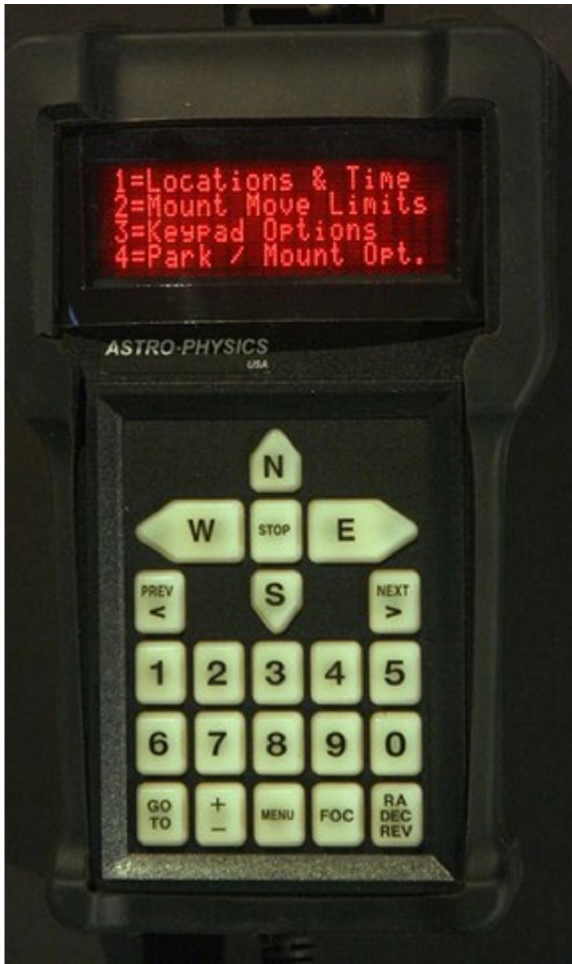


Park Scope



At the main menu press **2** Setup.

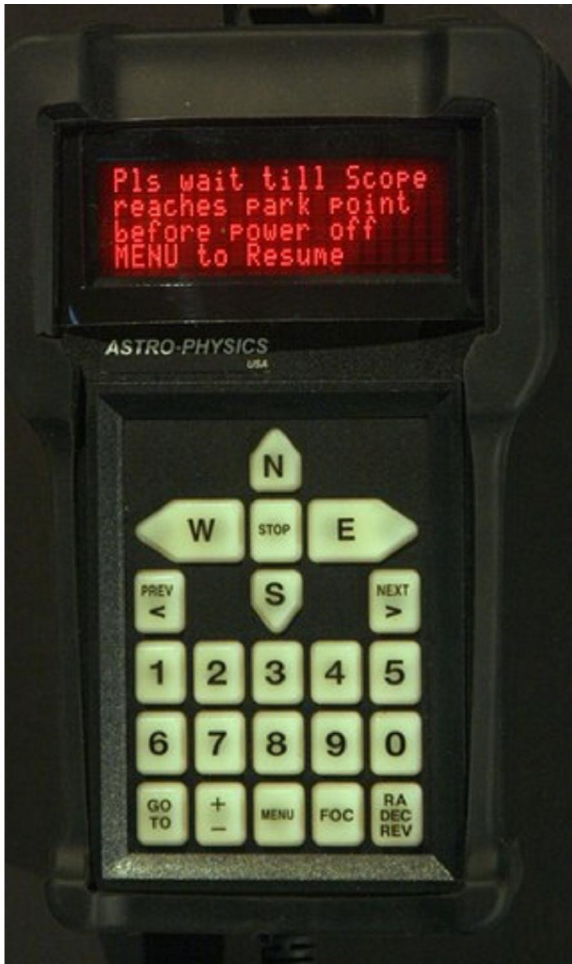
If the main menu is not displayed press **MENU** until it appears.



Press **4** Park / Mount Opt.



Press **3** 1,2,3=Mount Park.

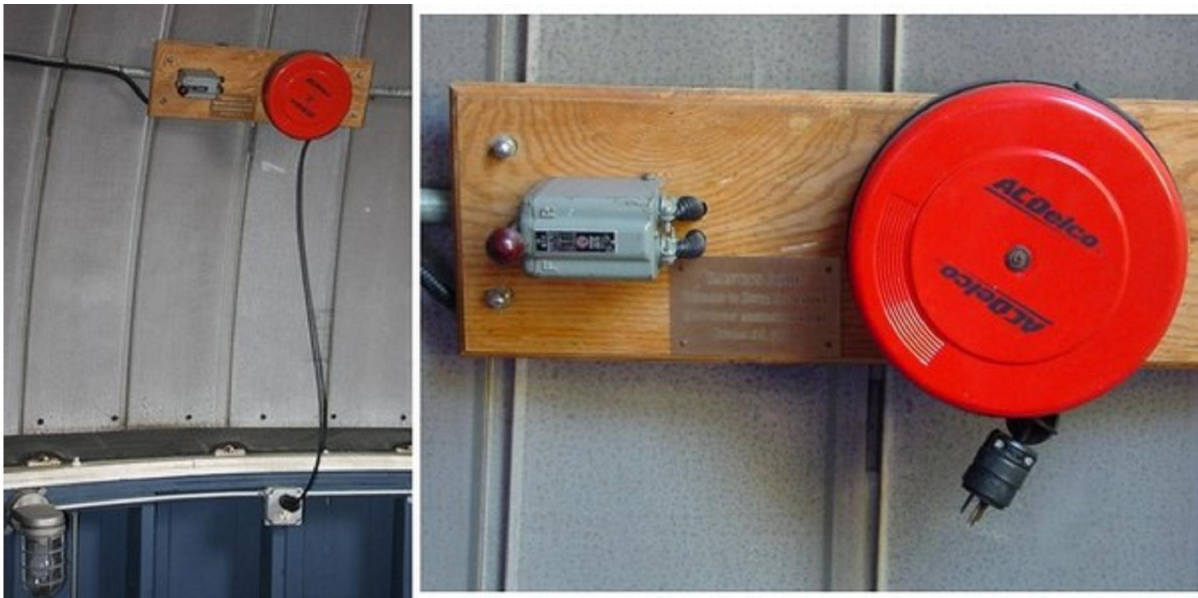


After the scope moves to the park position the tracking motors are stopped.

Close Hatch



Move the dome to the park position so the hatch power cord can be plugged in.

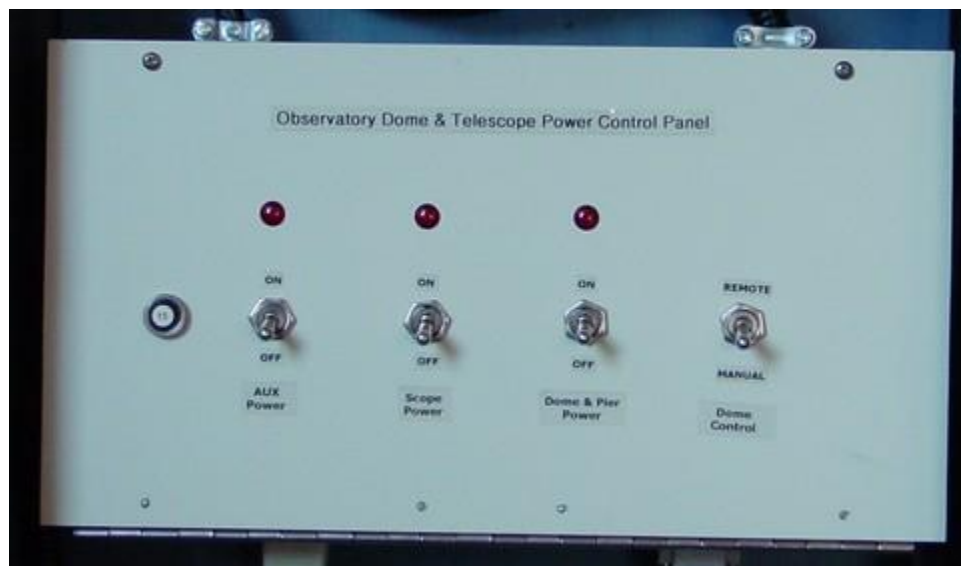


Plug in the hatch motor power cord.

Flip the control switch to the DOWN position. The motor will shut off when the hatch is all the way down.

Flip the control switch to the CENTER position and unplug and retract the power cord.

Power OFF

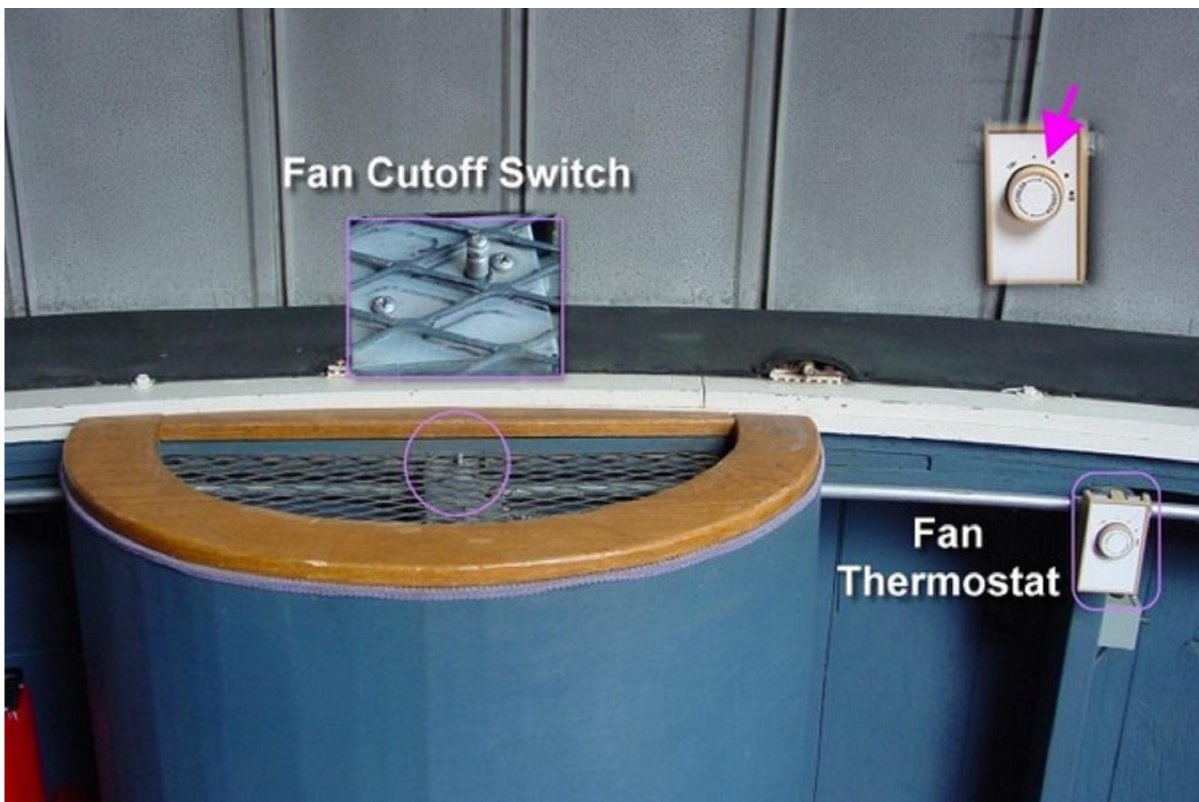


Power OFF the Scope, Dome & Pier, and put the Dome Control in MANUAL.
The Dome Control switch can be left in the REMOTE position.

Enable Fan



Remove the table from the exhaust fan.



Make sure the Fan Cutoff Switch is UP.
Make sure the thermostat is set as shown.

Scope Covers



Put the lens caps back on all optics.
Also be sure to turn the Telrad OFF.



Install the large cover over the scope and pier.

Red Light OFF



The red dome lights are turned off by a Master Switch, located by the gate.

Stair Light OFF



Turn off the stair lights using the switch at the bottom of the stairs.

White Light OFF



Turn off the lights using the switch next to the door.

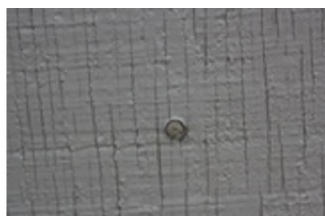
Lock Door



Close and lock the door.



Check the Fan Enable light located by the door handle.



Make sure the fan enable light is **NOT** blinking.

If it is the Fan Cutoff Switch is stuck down or the table is on the fan cover.

Also it takes about 30 seconds for the light to stop blinking after the table is removed.

Using the Battery to Open or Close the Hatch

The observatory is equipped with a power inverter to run the dome hatch motor in the event of a power failure. This inverter is installed next to the fan enclosure with the battery under the deck. Follow the procedures below to open or close the hatch using the battery and inverter.



Turn the battery disconnect switch to the "ON" position



Plug the hatch motor cord into one of the AC outlets on the inverter



Turn the inverter "ON"



The hatch motor can now be operated

When finished be sure to follow the below procedures



Turn the inverter "OFF"



Disconnect the hatch cord from the inverter



Turn the battery switch to the "OFF" position.

This is very important because the inverter draws power from the battery even when it is off.

