

## Super-LOTIS Lightning Shutdown

**Updated March 23rd, 2017**

1. ONLY IF THERE IS TIME: Call Peter Milne and let him know we are putting SuperLOTIS in lightning shutdown. Send him an email later letting him know it is in lightning shutdown if there is not time.
2. Make sure the telescope is at stow. See Picture 15. If it is, skip to step 3. If it is not, follow steps below:
  1. In the Dome. turn the MOUNT Pulizzi to LOCAL
  2. In the Control Room, turn on TCS monitor and make sure TCS is running. «LIMIT» should be flashing in the center of the screen. See Picture 1.
  3. Using TCS send the telescope to Stow. Telescope should move to (40 degrees north).
3. In control room, exit TCS and shutdown TCS PC by going to "start" and then "shutdown" and turn off monitor. See Picture 1.
4. Turn on SLOtis computer monitor. See Picture 4.
5. Close any running programs or webpages.
6. Shutdown SLOtis computer by clicking on System (top of screen) and selecting Shut Down. Turn off monitor. See Pictures 1 and 4.
7. Turn on EDDY computer monitor. See Picture 4.
8. Close any open terminal windows.
9. Shutdown EDDY computer by clicking on Actions (top of screen), select Log Out, then select Shut Down. Turn off monitor. See Pictures 1 and 4.
10. Carefully disconnect the circular plugs on the front of the TCS box (below TCS computer):
  1. I/O
  2. DRIVES
  3. FOCUS
  4. ENCODERS
11. In the dome, go to the blue rack and open the door.
12. turn OFF the Pulizis.
  1. Switch MOUNT Pulizzi C/B-1 (white switch) to "off" position.
  2. Switch CAMERA Pulizzi C/B-1 (white switch) to "off" position.
  3. Switch CHILLER Pulizzi C/B-1 (white switch) to "off" position.
  4. Switch LAMP Pulizzi C/B-1 (white switch) to "off" position.
13. Turn off CCD POWER SUPPLY, top box in blue rack in dome. See Picture 3.
  - In dome, go to the blue rack and shut off the APC Smart-UPS RT 1500 by pressing the button with the white circle. See Picture 2.
14. Follow UPS power cord back to power strip behind blue rack and unplug from wall outlet. See Picture 5.
15. Unplug the cables with red tape from the TCS PC interface box on the back of the scope (see Picture 6):
  1. #2
  2. #5
  3. Large twist-lock connector
  4. Disconnect the following from the filter wheel (See Picture 7):
  5. Serial cable (need a small slotted screw driver)
  6. Power cable
16. Disconnect camera cable and power cable from back of CCD POWER SUPPLY box in blue rack, dome.
17. Unplug BNC cable from the front of the Network Time Adaptor NTA-100 box (labeled NTP Server

- on top) in blue rack, dome. See Picture 8.
18. Unplug two power cables from power strip coming from the weather station equipment outside. Cables come down from shelf on south side of dome. See Picture 11.
  19. Unplug the RAIN SENSOR connector from the back of the R.A.T. Box in blue rack, dome. See Picture 9.
  20. Unplug the gray rectangular cable going to the top side of the LANTRONIX box on the left side behind the blue rack. See Picture 10.
  21. Turn off and then unplug power strip from wall behind blue rack in dome.
  22. Unplug chiller twist-loc power cord from wall outlet. See Picture 12.
  23. Back in control room turn off Tripp-Lite SmartOnline UPS by pressing OFF button and holding it. "Online" button will go from green to off. See Picture 1.
  24. Unplug the Tripp-Lite SmartOnline UPS from the wall. See red tape. See Picture 13.
  25. LEAVE PLUGGED IN AND ON (see Picture 14):
    1. small APC Back-UPS Pro700 UPS that sits on top of the desk in the control room.
    2. Ethernet switch on west wall in warm room. If you kill power to switch it will kill networking to the 90" and Spacewatch!
  26. Turn OFF the Roof Control Box
    1. Check to be sure the roof is closed, if not close it.
    2. Turn OFF the Roof Control Box by pushing in the red mushroom switch.

## Pictures

Picture 1:



Picture 2:



Picture 3:



Picture 4:



Picture 5:



Picture 6:



Picture 7:



Picture 8:



Picture 9:



Picture 10:



Picture 11:



Picture 12:





Picture 13:



Picture 14:



Picture 15:



Picture 16:





Or if you like word documents

- [superlotis\\_lightning\\_shutdown\\_version\\_06\\_04\\_15.doc](#)
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