

- To cool down checklist:
 - Tape down loose wires from thermometers and heaters.
 - Check all thermal links that were undone to make sure that they are tight.
 - Examine 4K shield for potential blackbody leaks. Make sure all screw holes are covered.
 - Check all thermometers are connected and working.
 - Measure all heater resistances to check connections to room temperature.
 - Clean 4K shield bottom plate.
 - First clear window of dust using compressed air.
 - Then wipe surface with Acetone.
 - Then wipe surface with Ethanol.
 - Check all laser paths for clear lines of sight.
- Prepare target:
 - Flush glove box with Nitrogen gas
 - Place a desiccant in the box to reduce the humidity.
 - After the humidity has dropped substantially, press the target.
 - Place target in dewar and close up.
 - Reseal plastic bag around CaH sample with the sealing device to preserve CaH.
- Closing up dewar:
 - Place target and clamp into the cell
 - Replace all shields and super insulation
 - Make sure vent valve is closed and open valve to pump slowly.
 - When internal pressure is below 100 millitorr, the pulse tube can be turned on.