

Stopping Cryogenic EPR Checklist

- (1) Using the procedure for changing samples: put the plug back into the top hat assembly.
- (2) Set the Mercury ITC 0.0 K (this will turn off the heater and the system will return to 4 K).
- (3) Turn off the Compressor.
- (4) Close the Supply Valve on the CoolEdge.
- (5) Close the Main Valve(s) on the helium gas tank(s).
- (6) Close the Main Valve on the nitrogen gas tank.
- (7) Disconnect the software communications from the console.
- (8) Turn off the magnet power supply.
- (9) Turn off the Haskris water chiller.
- (10) Turn off the EPR console.
- (11) Close the house chilled water valves.
- (12) Close Xepr and logout.
- (13) Leave the Turbo Cube, ITC, and pump ON.
- (14) Flip the Valve Control switch on the HOT box to Vent and wait for the valve to completely turn to Vent.
- (15) Turn off the power to the HOT box.

- (16) WAIT 24 hours for the system to warm up.
- (17) Close the valves for the vacuum turbo pump.
- (18) Close the vacuum valve on CoolEdge.
- (19) Close the vacuum valve on the Turbo Cube.
- (20) Stop the Turbo Cube.

Push the button on the display the turbo will spin down and come up to atmospheric pressure.
When this is done you can turn the unit off via the back power switch.

- (21) Turn off the ITC, close the Return Valve on the CoolEdge, turn off the pump.