

Shutting down the Spider

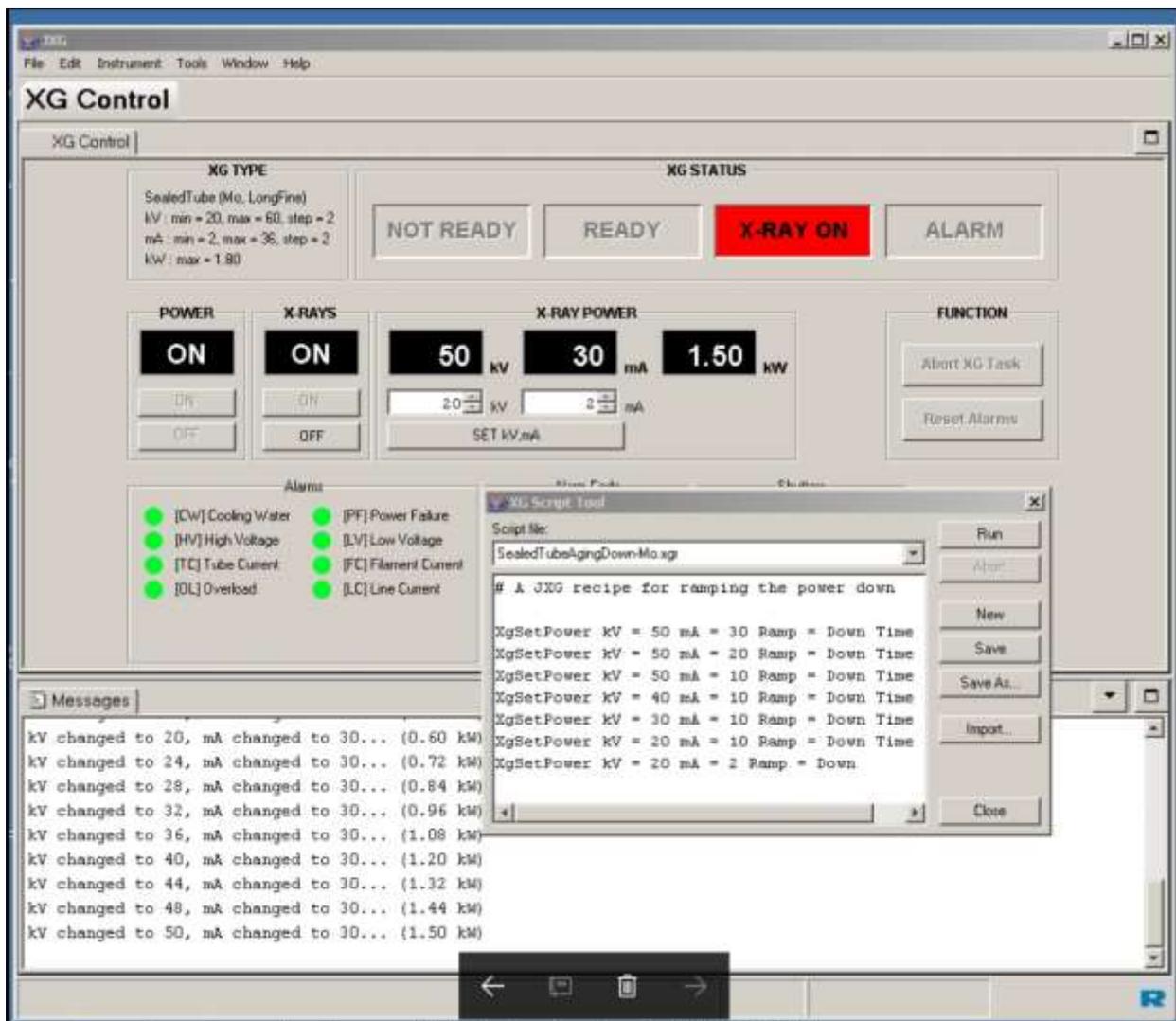
You need to turn off the X-ray generator and the Haskris recirculating water chiller to shut down the system.

First, power down the X-ray generator using the generator control program, JXG. JXG will be running on the PC located to the left of the instrument. Look along the bottom of the



monitor for a blue radiation symbol like this).

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Under the Instrument tab, select SealedTubeAgingDown-Cu.xgr and hit the Run command. The power to the tube will gradually ramp down to 20kV and 2mA. It will take ~5 minutes. Once, it has powered down, go to the instrument and push the red Off button.



With the generator off, you can turn off the **Haskris** water chiller/pump. Push the on/off button.

Restarting the Spider

Turn on the Haskris recirculating water pump if it is off.

Turn on the X-ray generator. Press the green ON button to the right of the big red stop button. When the green ready light comes on, press the grey on button. The kV and mA will blink at 20 and 2 for several seconds (patience). When the blinking stops, the generator is on.



Use JXG, , to bring the tube power up before you run a sample. Use sealed-tube-up-quick-Cu.xgr. It will take about 5 minutes to reach 40 kV and 40 mA.