

## B23 Starting Up

1. Turn on the Nitrogen (25L/min) for 15 mins.
2. On the shutter lever, pull the safety catch and lift the shutter lever to vertical position for compressed air.
3. Look at the Linux station monitor, Click **ABSB Open Allowed** button to Yes.
4. Called Control **x8899** to open Port shutter and Absorber
5. Click **FE Beam Permit button**, click **Reset**
6. Click **FE Beam Permit button** again, click **Open**. Wait until you see the light path to the modules.
7. Click **ABSB Open Allowed** button back to No
8. **If there is a beam lost, repeat step 3 - 7.**
9. If temperature control is required for experiments,
  - a. turn pump on.
  - b. turn on Quantum Peltier box.
10. Turn on OLIS System Controller Black Box next to PC tower
11. Turn on PC, press Ctrl Alt Del and type username: **OLIS** & password: **OLISUser**
12. Open **P:\b23-storage** on desktop, click the **year**, then your **project no**.
13. Open "**Olis GlobalWorks**" on the desktop, click "**Data Collection**", then "**DSM20**"
14. To display PMT high voltage signal, click **X & Y axis**, select check box next to PMT.
15. Click **Live Display** on the tool bar to enter parameter required, such as wavelength range, number of increments and integration time.
16. For repeated scan, click **Repeated Scan** tab, enter the number of scans required.
17. Click **Temp Controller** if using Peltier system, click **ON** and enter value of Temperature required.
18. Go back to **Live Display** and press, **Collect Data** to start measurement.
19. Open **E-book** on the other PC monitor.
20. After data collection is finished, a command will appear asking you to save your data. Fill in Comment box of details of the sample run for your reference which should be

identical to that in the E-Book. Save data as date, module used, spectra number. eg first spectrum run on Module B on 21 Jan 2010 would be saved as 210110b01.

21. Click on spectra displayed and right click to save in ascii for data processing in any spreadsheet programme.
22. For detailed information on Olis software refer to Quick guide in the User Manual folder.