H2O DIAL operation

Operational Tips

- Wavemeter can output 0 if outside of input power range thus corrupting wavelength locking procedure in the software
- chunk of paper in the side of the wave meter is to stabilize the flipper mirror for input attenuation
- scaler can be sensitive to EM noise, (e.g., air conditioner switching on and off) so if you notice issues with the card reading, hunt around for such sources
- computer login
  - password: The Hammer!
  - after login, on the internet list (where you would click for wireless) click and select MSU VPN
    - username: wjohnson
    - password: XXXXX
    - domain: physics
  - After VPN, click 'computer' and double click 'W' driver, if username and password are needed same as above
- On Desktop H2O DIAL folder holds the data
- Labview V10 was what was brought down from MSU on 12-June-2012. This was modified slightly so the online was selected as CH 1 from the ILX DBR driver box. New name is vUCARchanged
- Power connector to the Agiltron switch in the transmitter box is inconsistent, if switch errors occur, look to see if Agiltron switch lights are on, if not wriggle the input power connector until on.

14-June-2012 setup values

- ILX DBR seed laser controller
  - Offline laser
    - CH1 TEC 21.5C
    - CH2 169.97 mA
  - Online laser
    - CH3 TEC 25.5
    - CH4 169.88 mA
- ILX temp controller for TSOA is 17.1C
- output
  - online 6.5 mW 13.0 uJ/pulse
  - offline 6.3 mW 12.8 uJ/pulse
- DEI pulse driver
  - 9.5 A (moved to 9.8A pm 15-June) 1us 10kHz