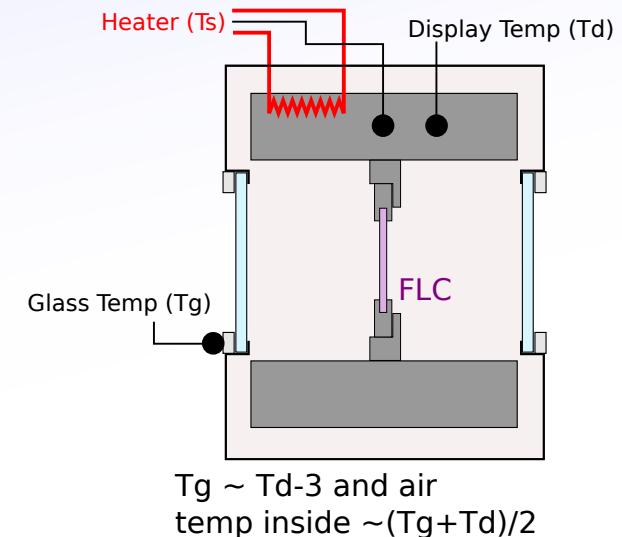
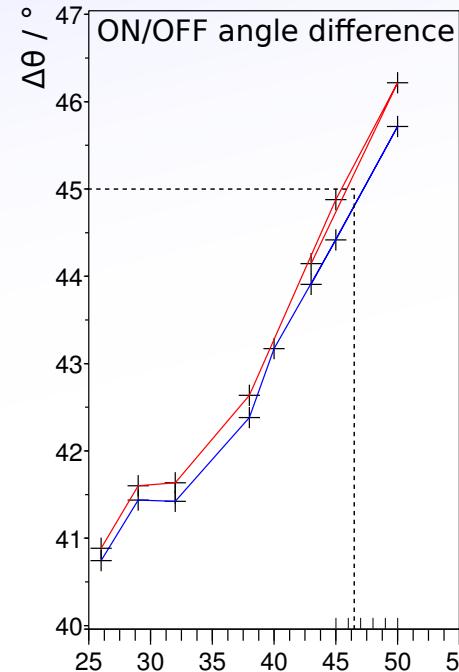
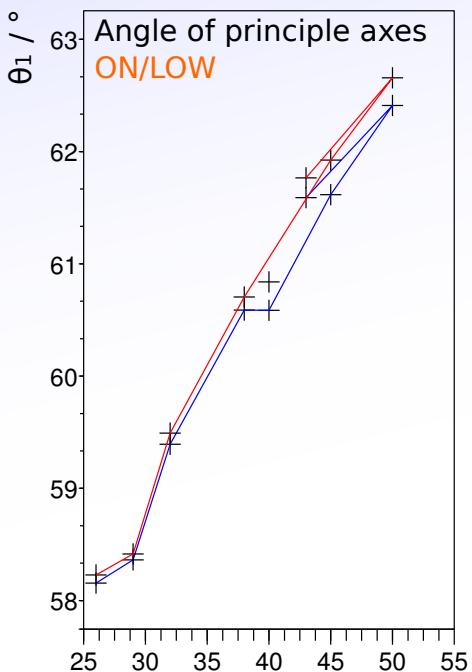
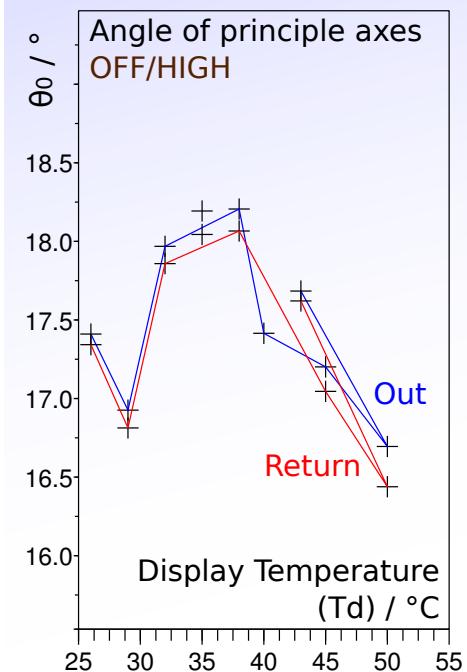


# Waveplate Tests - Temperature Effect on FLC

Loaded FLC into centre of temperature cell with windows.  
Set a temperature, measured in block and on glass retrainer rings.



$$T_g \sim T_d - 3 \text{ and air temp inside } \sim (T_g + T_d)/2$$

Temperature seems to effect only  $\theta$  when on, and only  $\phi$  when off. Running at 47°C gives  $45^\circ \pm 0.5^\circ$  switch and  $\Delta\phi = 84^\circ$

