

BABY SITTING THE COLTRIMS SETUP AT THE ALS: check for status of

Cold Trap:

- refill the cold trap with LN2 every: _____ hour(s)
- clean up water puddles to avoid electrical problems and slip hazards

Detector Rates:

- electron detector: _____ kHz
- ion detector: _____ kHz

Electronics:

- ISEG detector power supplies are on, hold high voltages, and show orange little HV light on
- "Front and Back Acc." power supply is on and does not show red trip lights on any channel
- all red Constant Fraction Discriminator lights are on (a constant red; not off or blinking)

Computer Acquisition:

- COBOLD is running: check status-window and acquisition rate
- files are written in MS explorer window: check time intervals of file writing
- all detector channels are coming in: clear all and check spectra once in a while

Gas Jet & Vacuum:

- gas cylinder regulator is open and has enough pressure left (e.g. > 500 psi)
- source convectron gauge (black controller) shows: _____ Torr
- jet dump ion gauge (silver controller) shows: _____ Torr
- jet turbo pump controller (white) shows: 600 Hz and _____ A
- look for changes in fore-vacuum controllers (white)
- all turbos are on
- no turbo or forepump is hot

Light:

- monitor the ALS ring status
- adjust entrance and exit slit to make up for drift in detector rates
- if detector rates are zero: check beamline valves on beamline consol

Magnetic Fields:

- big Helmholtz power supply is on, hums, shows green, yellow and red light. Is set to: _____ A
- rainbow power supplies are set to:
 - > horizontal: _____ A & _____ V
 - > vertical: _____ A & _____ V

If problem cannot be solved call Thorsten: 1 (510) 821-4734