Conditioning Report

|  |  |  |
| --- | --- | --- |
| Target material and number | | SiC#36 |
| Target WO-SN | | 41369-10 |
| Operator name | | Aaron Schmidt |
|  | |  |
| Heating start date and time | | 2017-06-03 09:31 |
| BIAS | |  |
| Voltage [kV] | | 30 |
| Current [µA] | | 37 |
| Extraction Electrode (EE) | |  |
| Voltage [kV] | | 1.5 |
| Current [µA] | | 501 |
| TGHT | |  |
| Current [A] | | 581.7 |
| Voltage [V] | | 5.314 |
| TBHT | |  |
| Current [A] | | 299.0 |
| Voltage [V] | | 2.447 |
| FEBIAD ANODE | |  |
| Voltage [V] | | 200 |
| Current [mA] | | 89.133 |
| FEBIAD COIL | |  |
| Current [A] | | 70.04 |
| Voltage [V] | | 0.7 |
| Flow and Temperature HS + MSP | |  |
| Flow [lpm] | | 3.80 |
| Temperature increase [C] | | - |
| FC6 currents [A] | | 6.71e-09 |
| SIS | 7Li | - |
| FEBIAD | 20Ne | 4.82e-12 |
| SIS | 23Na | - |
| SIS | 39K | - |
| SIS | 85Rb | - |
| SIS | 133Cs | - |
| Heating end date and time | | 2017-06-05 22:15 |

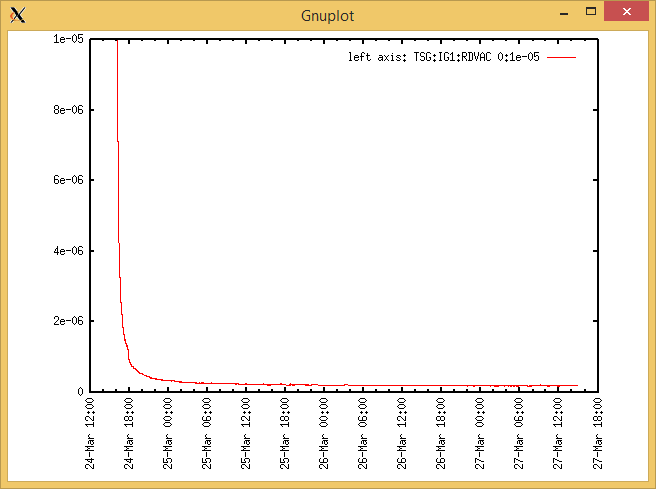
Comments

- Heat shields WO 42132-6/9

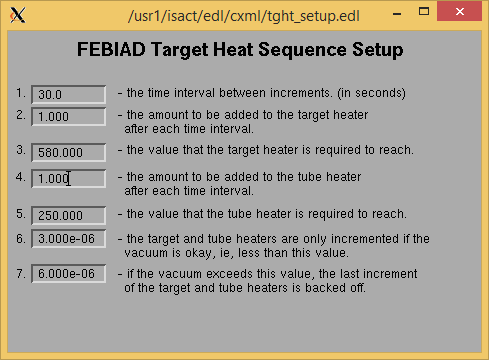
-Coil loose while loading into test stand (Remove lid, Tighten and place lid again)

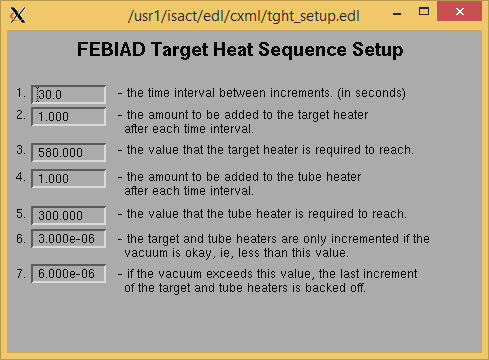
Plots

8h Vacuum Pump Down

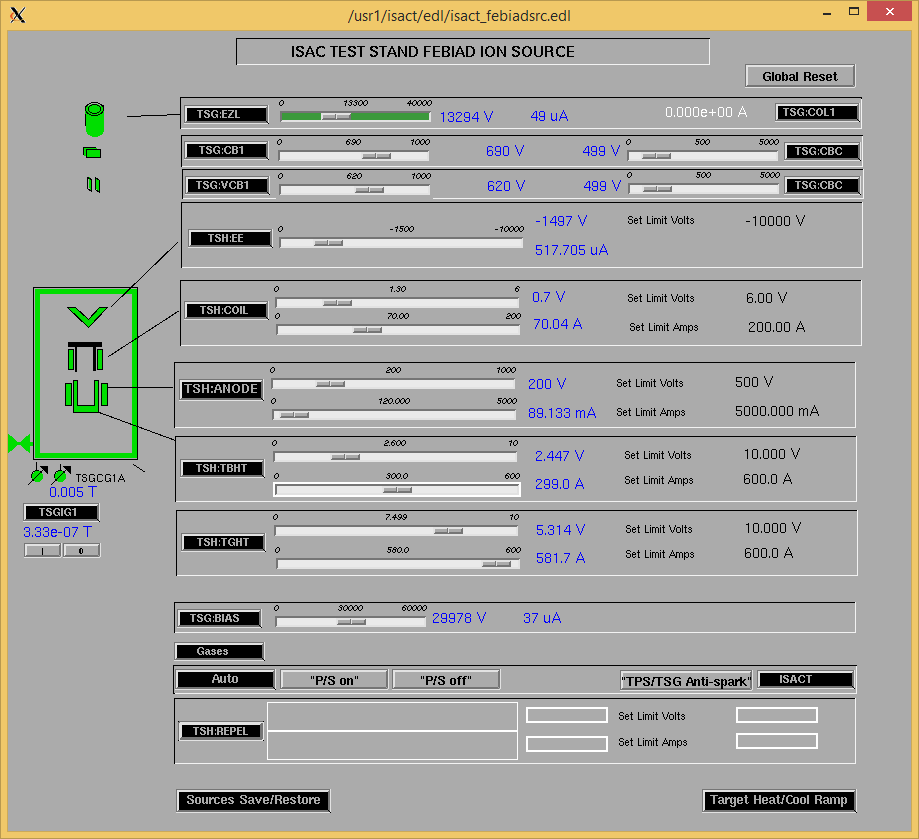


Target Heat Sequence Setup

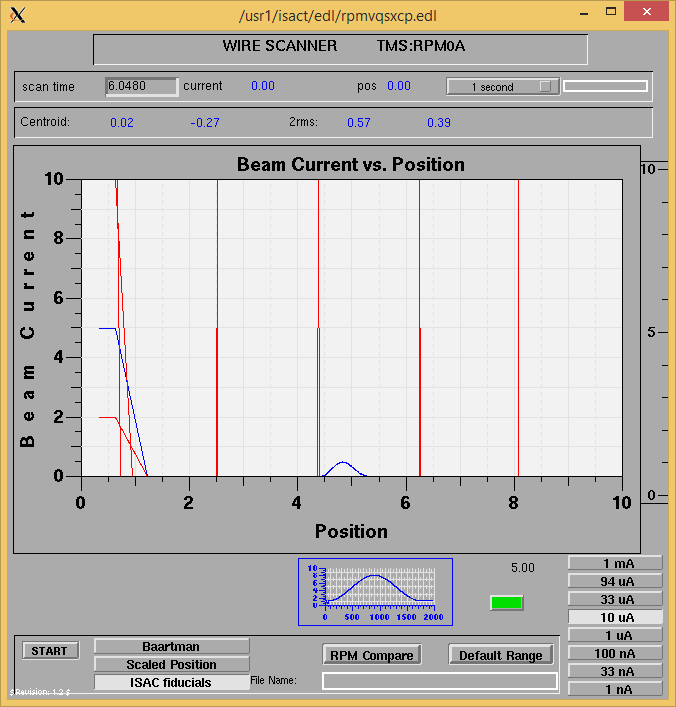


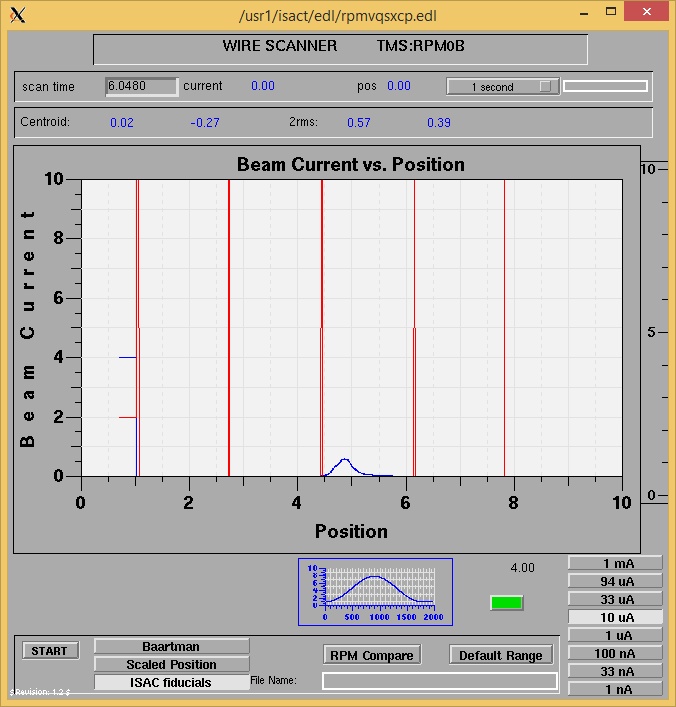


Source Tuning



Wire Scanners RPM0A and RPM0B





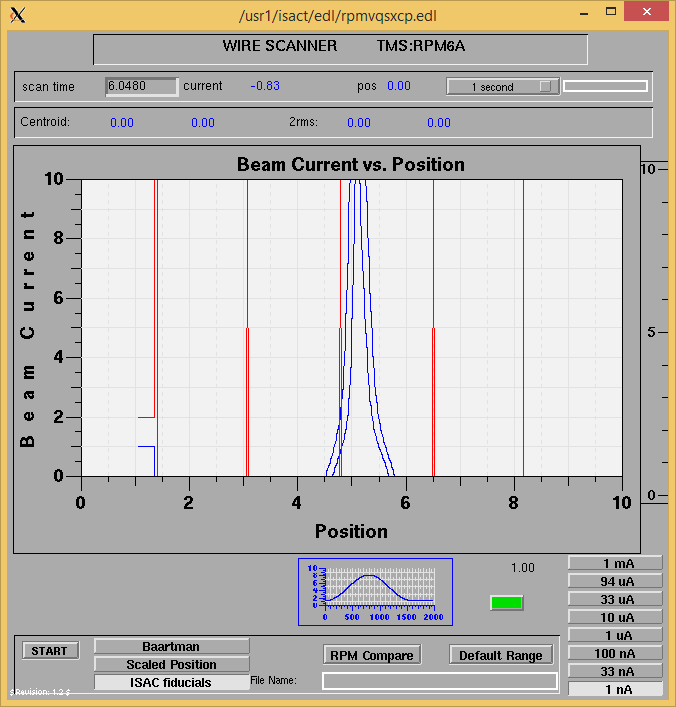
Optics Tuning



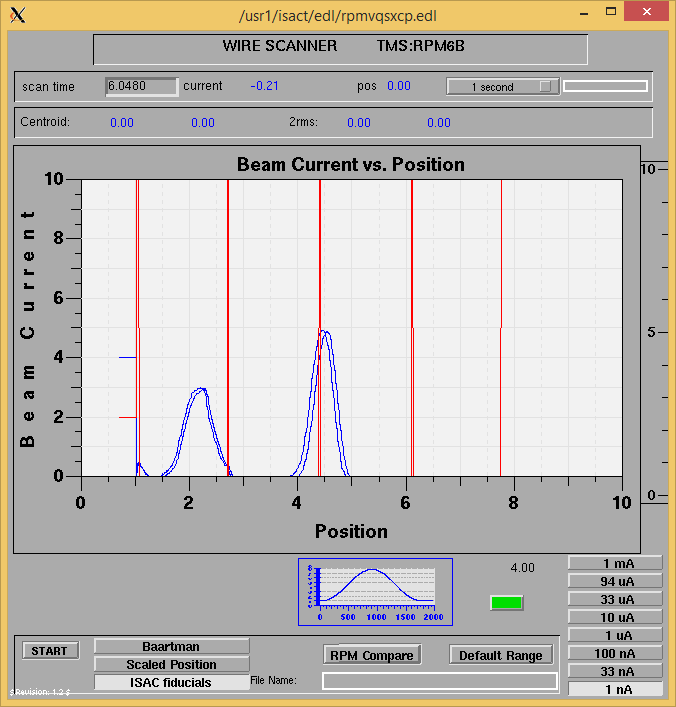
Mass 20

Wire Scanners RPM6A and RPM6B

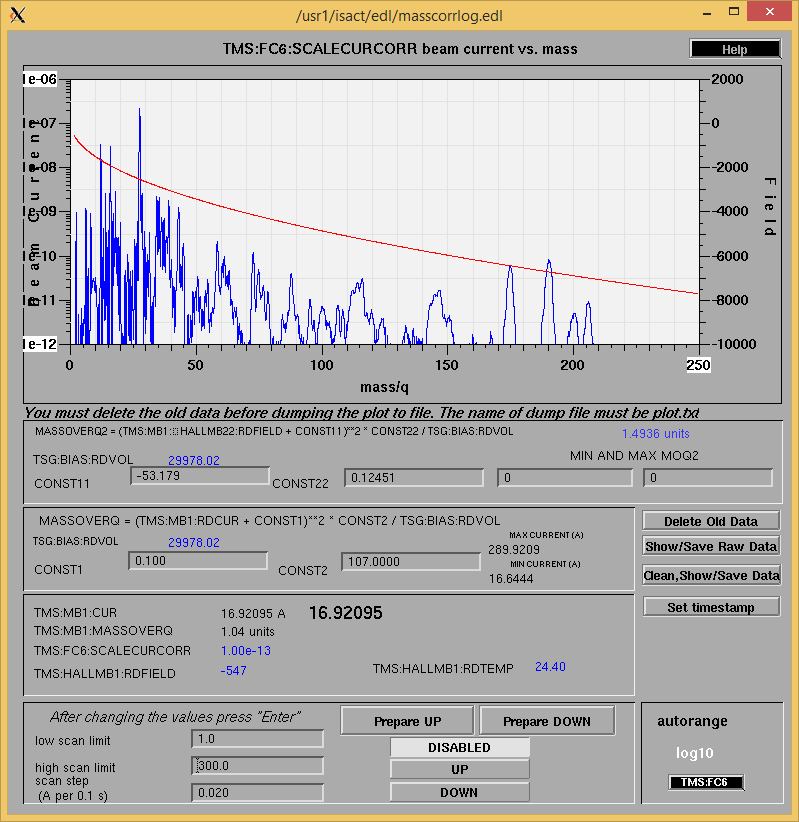
Mass 20



Mass 20



Mass Scan



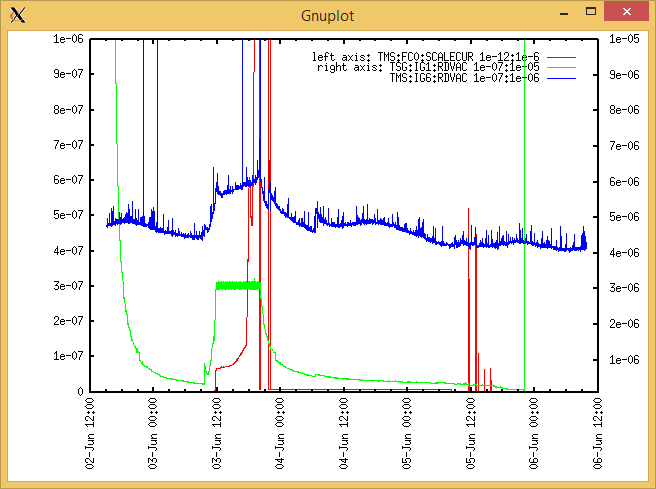
<http://isacwserv.triumf.ca/onlylocal/isactdata/save_restore/masscorr/2017-06-05-09-03%20SiC%2336>

Cooling Parameters

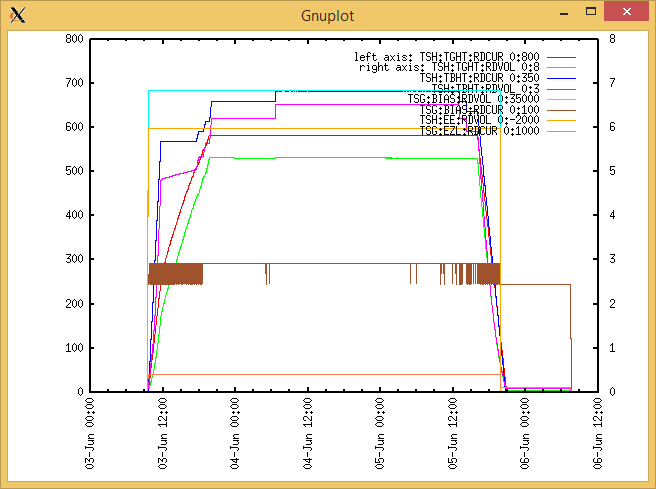


Overview Plots

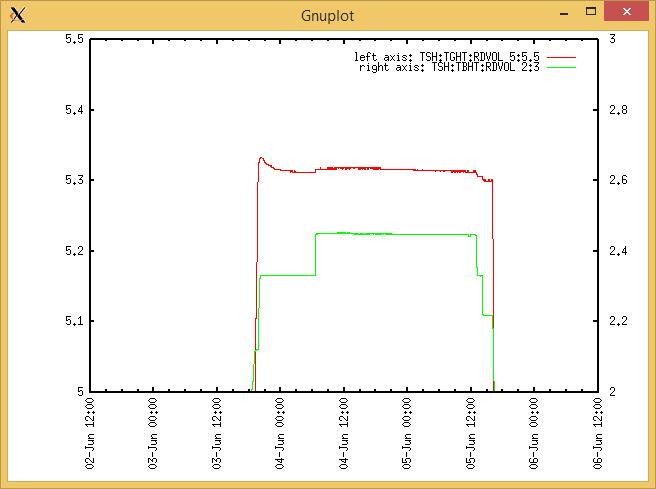
Vacuum and FC0



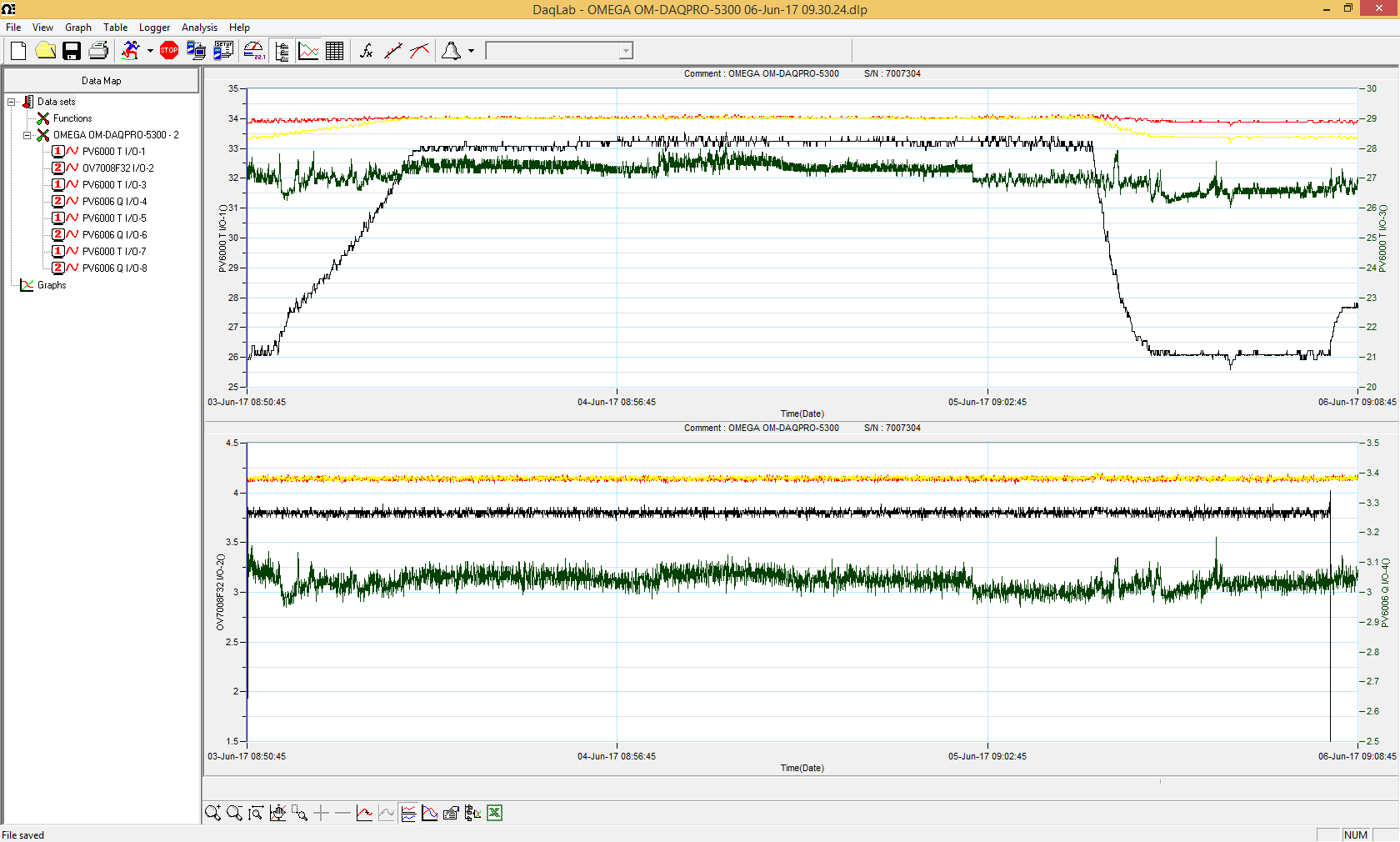
Heating, EE and BIAS



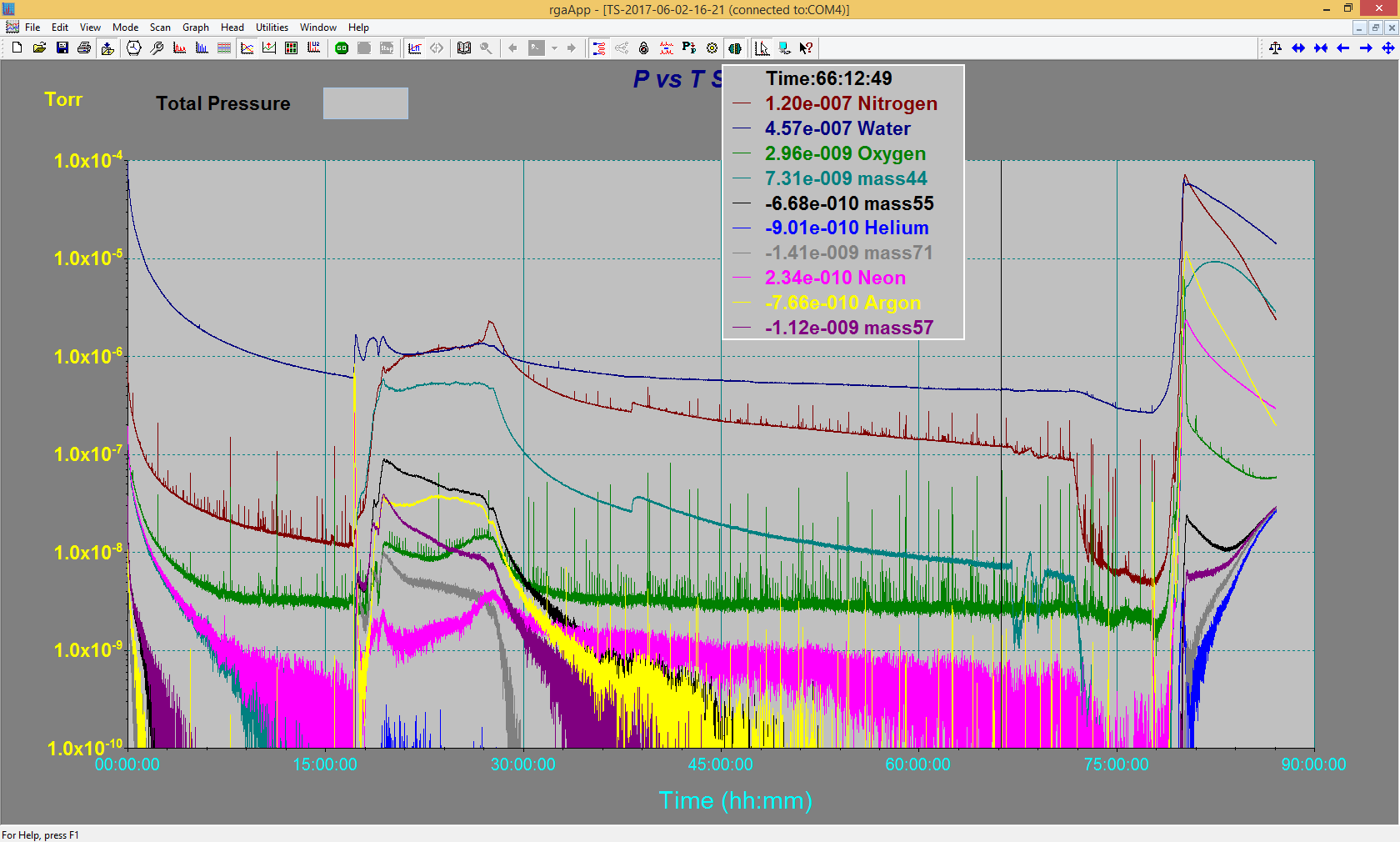
TGHT and TBHT Voltage



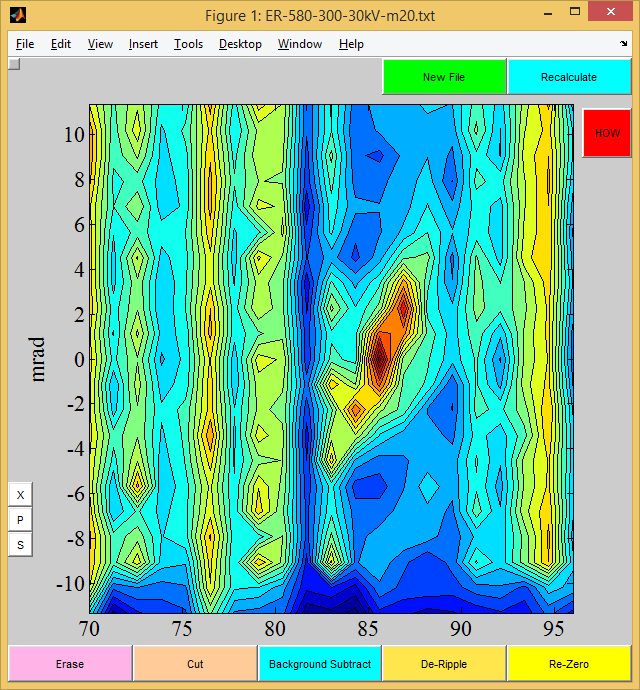
Flow and cooling water temperatures



RGA



Emittance Scan



Mass 20

