Conditioning Report

|  |  |  |
| --- | --- | --- |
| Target material and number | | SiC#35 |
| Target WO-SN | | 39530-9 |
| Operator name | | Aaron Schmidt |
|  | |  |
| Heating start date and time | | 2016-10-03 10:08 |
| BIAS | |  |
| Voltage [kV] | | 30 |
| Current [µA] | | 37 |
| Extraction Electrode (EE) | |  |
| Voltage [kV] | | 1.5 |
| Current [µA] | | 505 |
| TGHT | |  |
| Current [A] | | 582 |
| Voltage [V] | | 5.2 |
| TBHT | |  |
| Current [A] | | 299 |
| Voltage [V] | | 2.5 |
| FEBIAD ANODE | |  |
| Voltage [V] | | 200 |
| Current [mA] | | 97 |
| FEBIAD COIL | |  |
| Current [A] | | 50 |
| Voltage [V] | | 0.4 |
| Flow and Temperature HS + MSP | | 27.0 |
| Flow [lpm] | | 3.98 |
| Temperature increase [C] | | +8.4 (35.4) |
| FC6 currents [A] | | - |
| SIS | 7Li | - |
| FEBIAD | 20Ne | 1.76E-09 |
| SIS | 23Na | - |
| SIS | 39K | - |
| SIS | 85Rb | - |
| SIS | 133Cs | - |
| Heating end date and time | | 2016-10-06 15:58 |

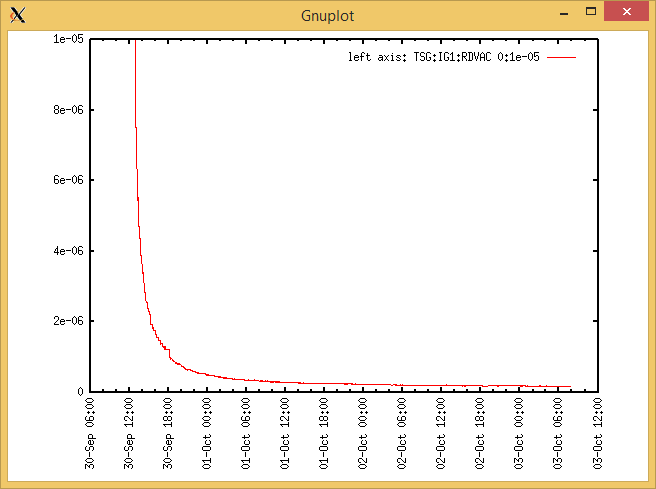
Comments

Wednesday, October 05, 2016, 08:29: Optics found to be tripped : TMS:OCT4 , TMS:Q4 ,TMS:OCT3 ,TMS:SX3 ,TMS:Q3 ,TMS:SX2. Restarted

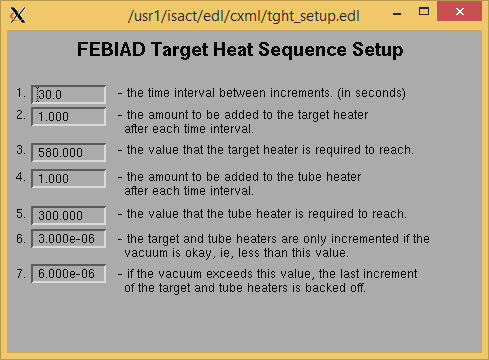
Emittance rig unavailable.

Plots

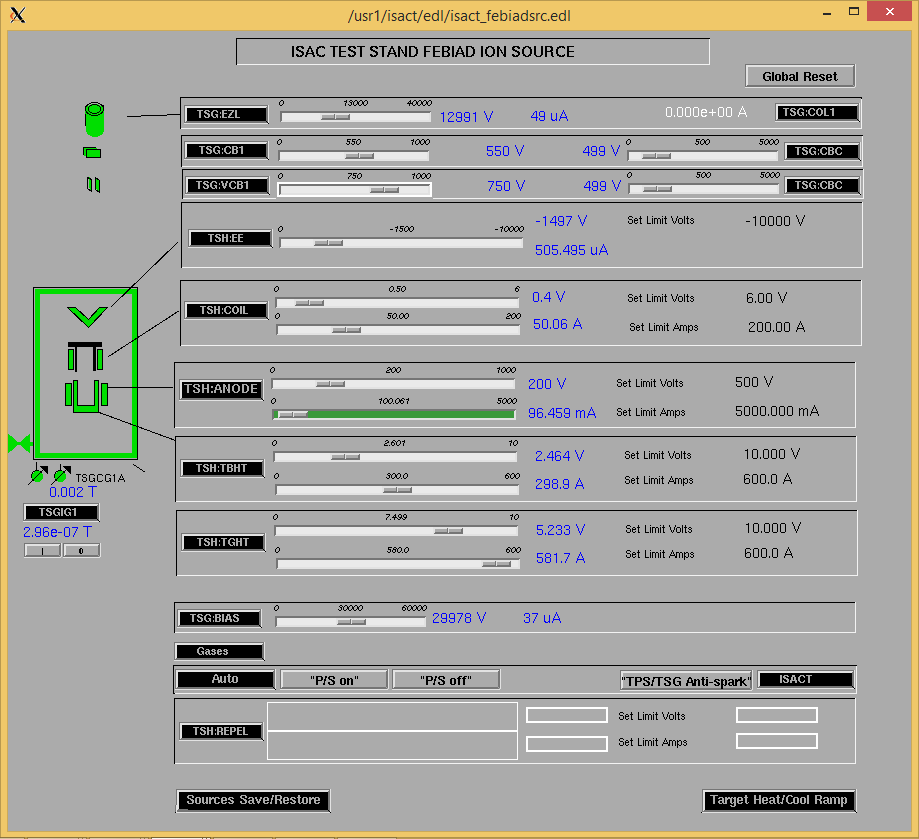
8h Vacuum Pump Down



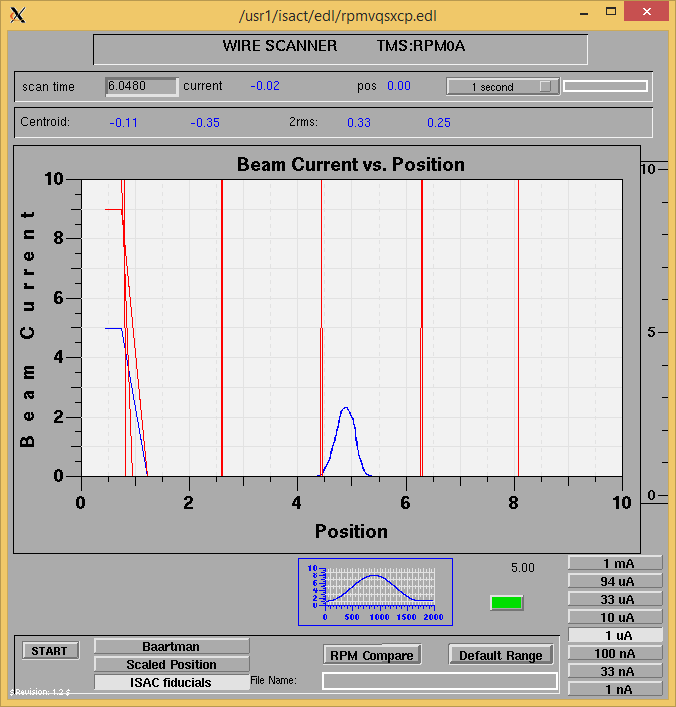
Target Heat Sequence Setup

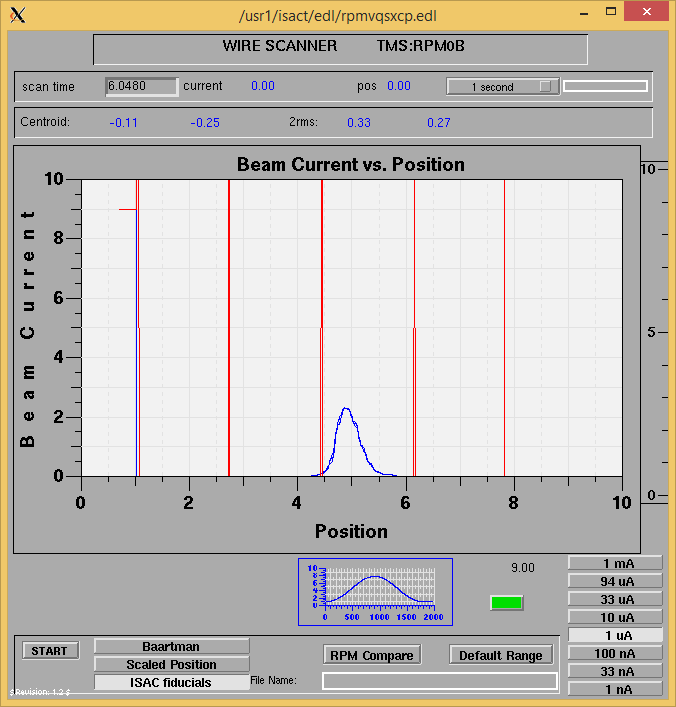


Source Tuning



Wire Scanners RPM0A and RPM0B



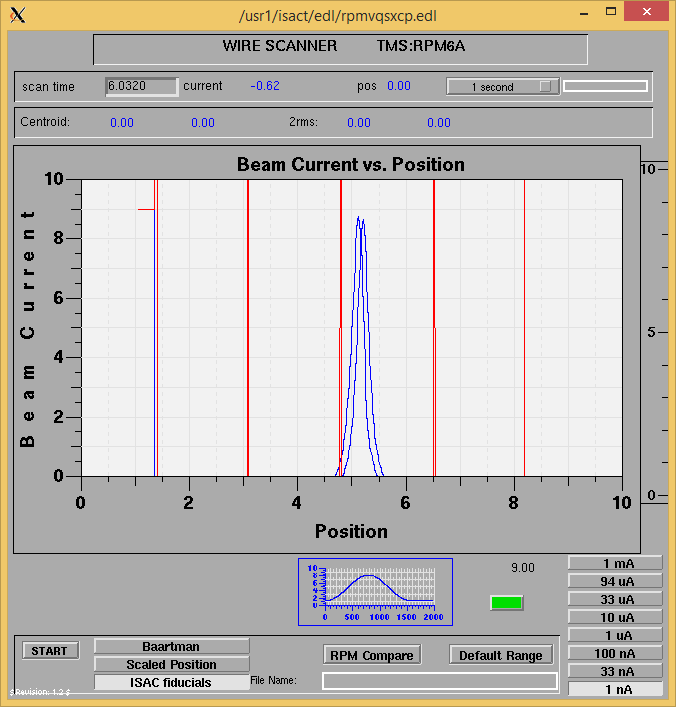


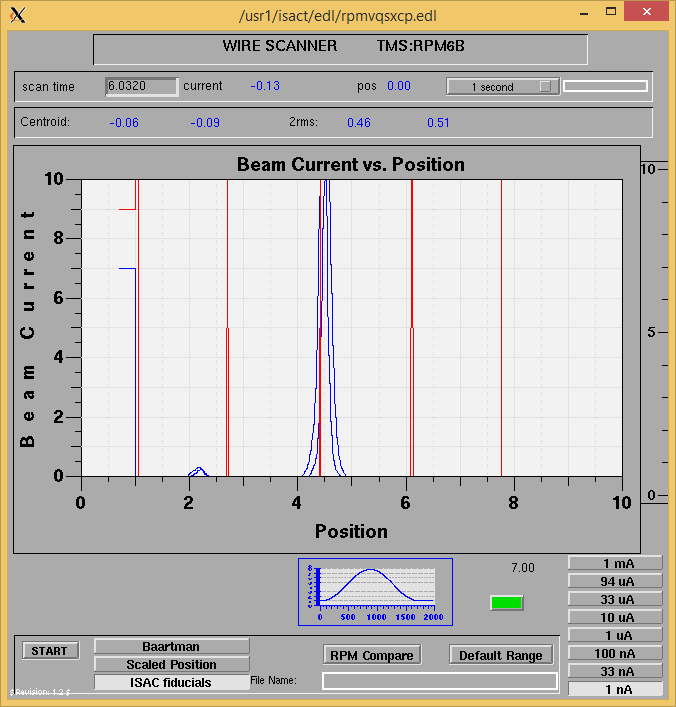
Optics Tuning



Wire Scanners RPM6A and RPM6B

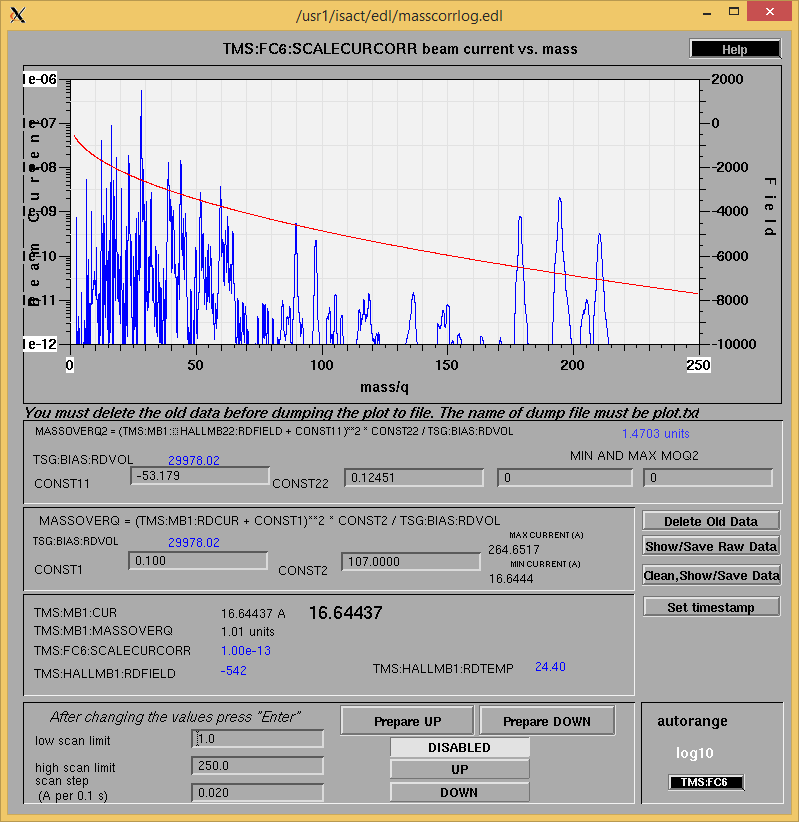
Mass 20





Mass 20

Mass Scan



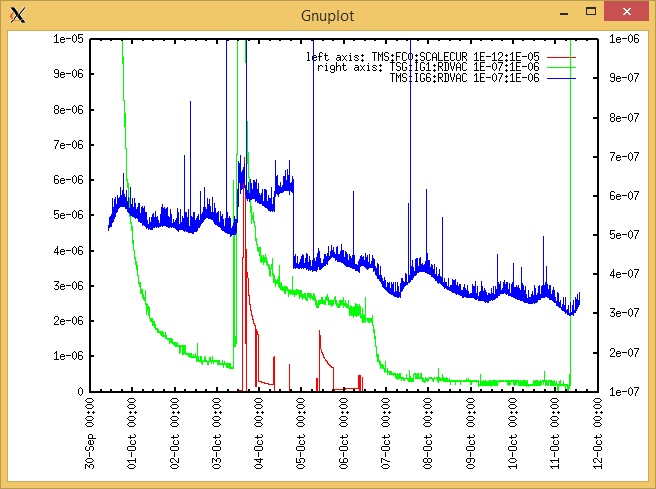
<http://isacwserv.triumf.ca/onlylocal/isactdata/save_restore/masscorr/2016-10-06-09-15%20SiC%2335>

Cooling Parameters

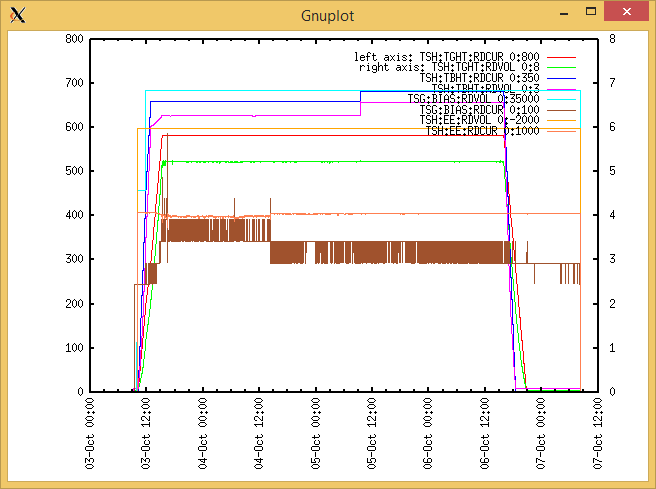


Overview Plots

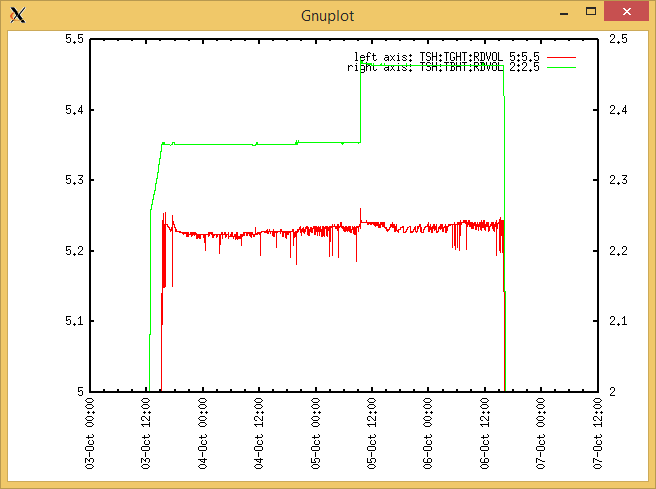
Vacuum and FC0



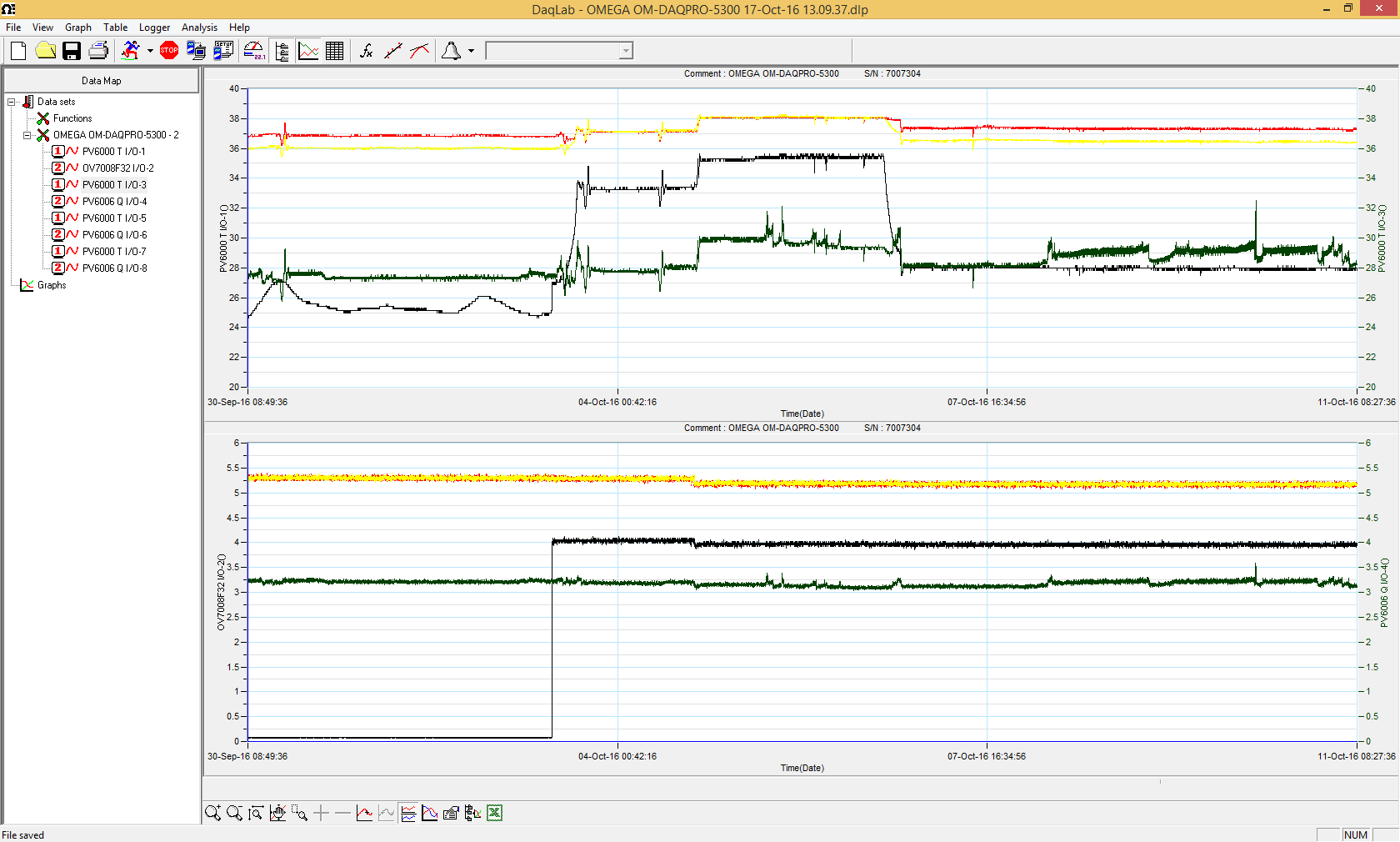
Heating, EE and BIAS



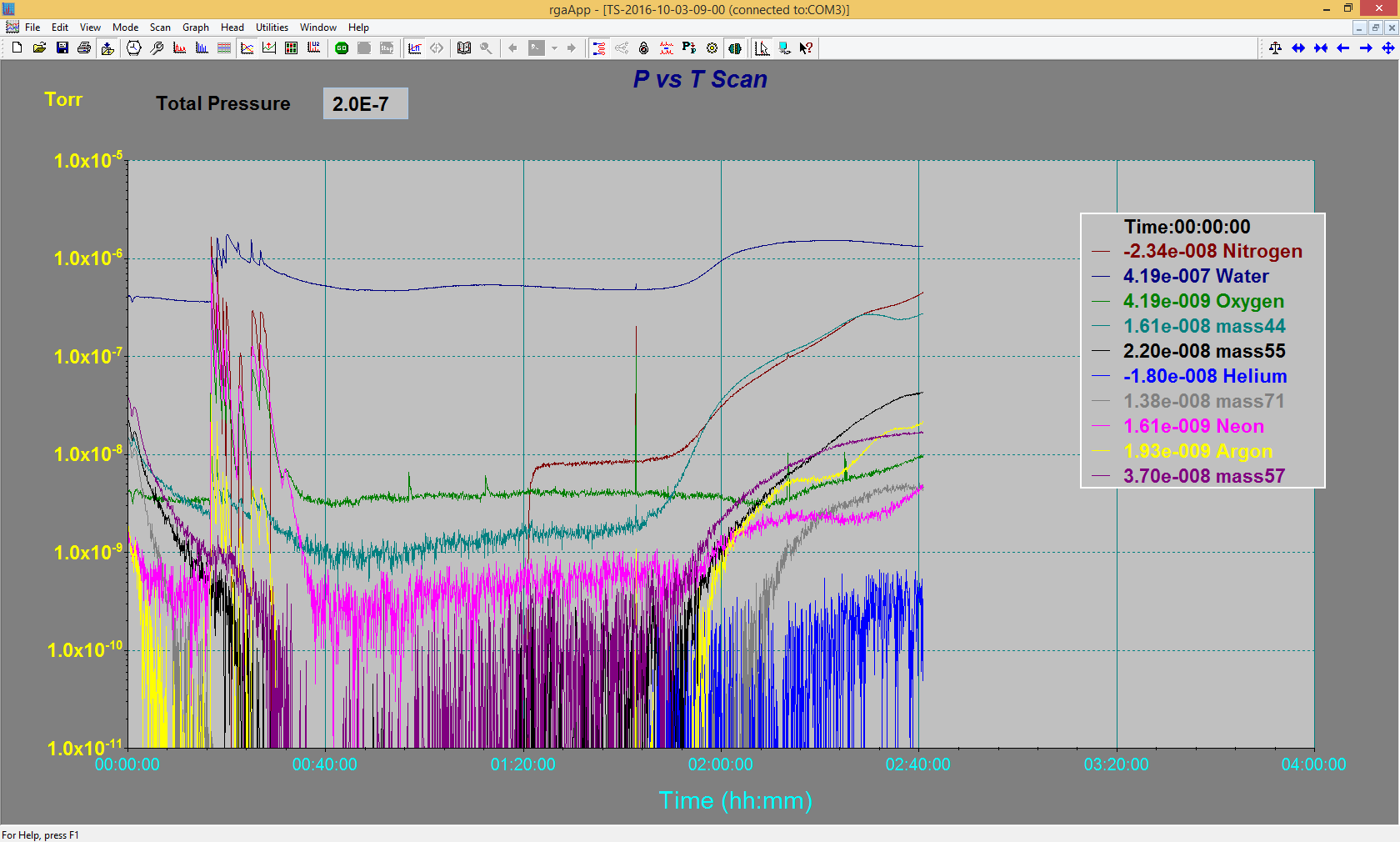
TGHT and TBHT Voltage

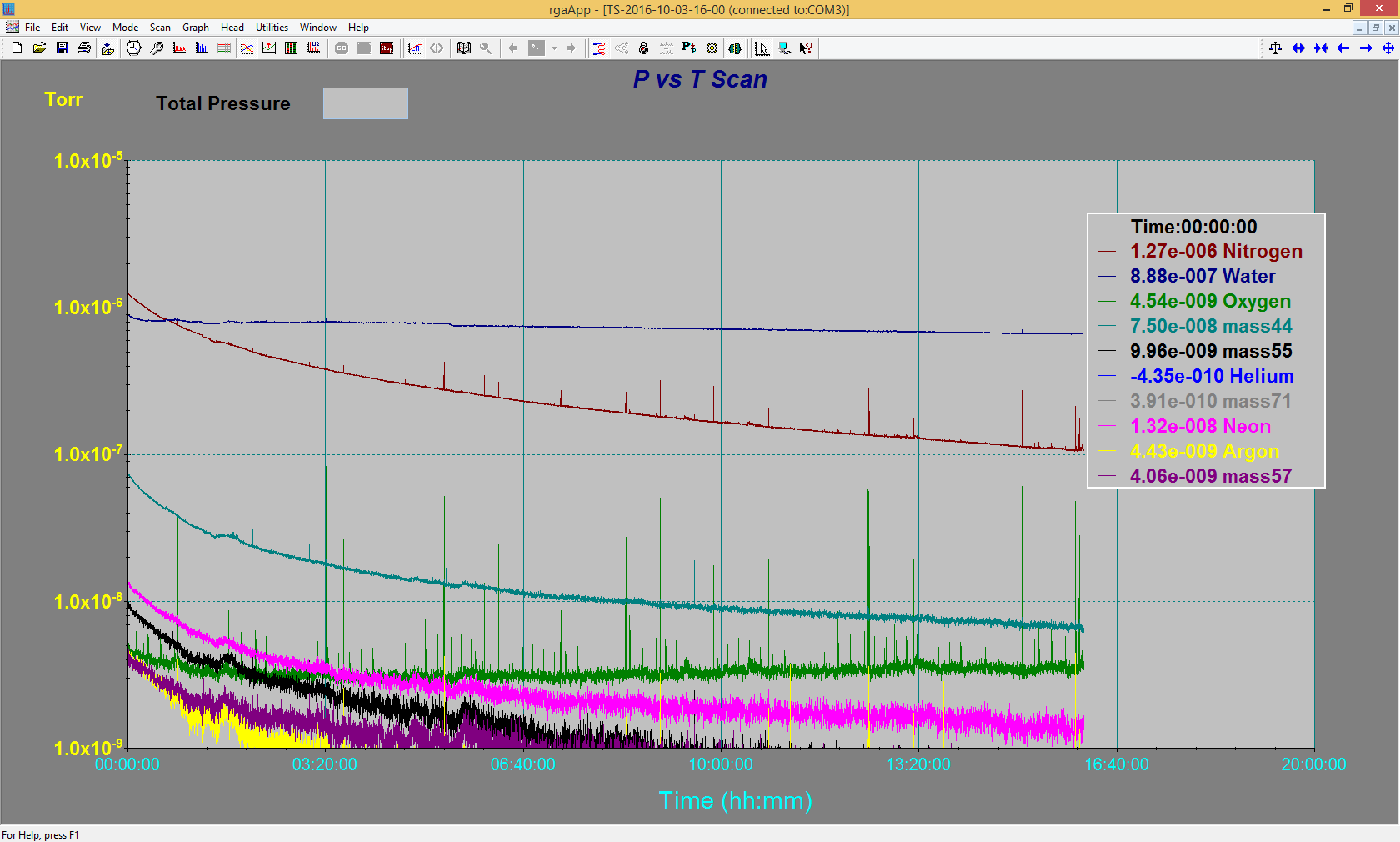


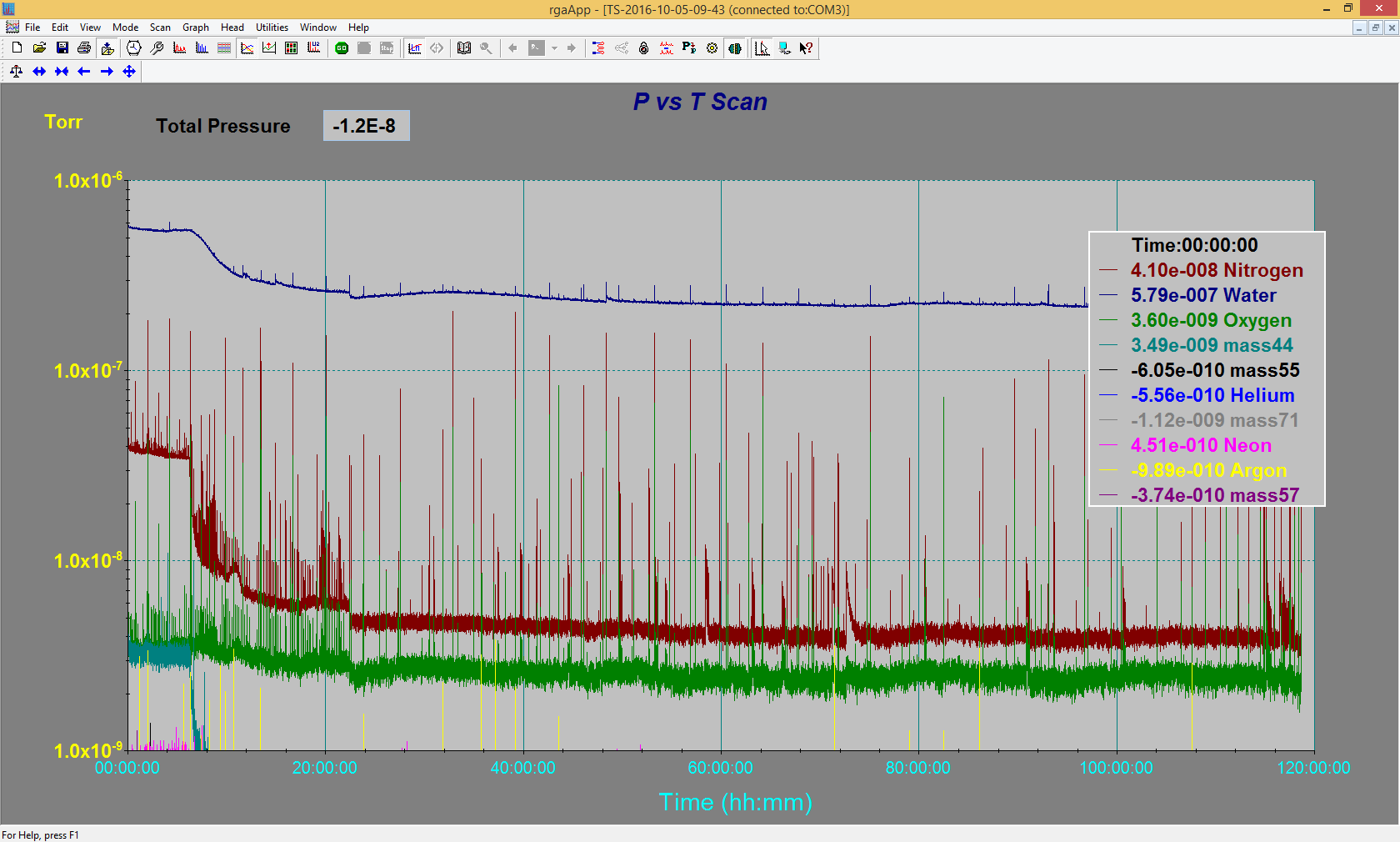
Flow and cooling water temperatures



RGA







Emittance Scan

Not Available