Conditioning Report

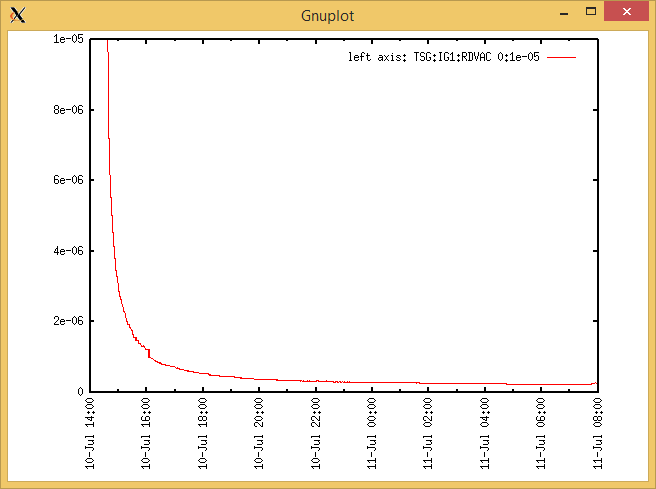
|  |  |  |
| --- | --- | --- |
| Target material and number | | Ta#(Spare) |
| Target WO-SN | | 42218-11 |
| Operator name | | Aaron Schmidt |
|  | |  |
| Heating start date and time | | 2017-07-11 07:10 |
| BIAS | |  |
| Voltage [kV] | | 30 |
| Current [µA] | | 37 |
| Extraction Electrode (EE) | |  |
| Voltage [kV] | | 1.5 |
| Current [µA] | | 515 |
| TGHT | |  |
| Current [A] | | 581.7 |
| Voltage [V] | | 5.087 |
| TBHT | |  |
| Current [A] | | 198.7 |
| Voltage [V] | | 1.819 |
| FEBIAD ANODE | |  |
| Voltage [V] | | 50\* |
| Current [mA] | | 0\* |
| FEBIAD COIL | |  |
| Current [A] | | - |
| Voltage [V] | | - |
| Flow and Temperature HS + MSP | |  |
| Flow [lpm] | | 3.85 |
| Temperature increase [C] | | 6.10 |
| FC6 currents [A] | | 1.90e-07 |
| SIS | 7Li | 3.85e-09 |
| FEBIAD | 20Ne | - |
| SIS | 23Na | 7.47e-011 |
| SIS | 39K | 2.54e-09 |
| SIS | 85Rb | 4.46e-09 |
| SIS | 133Cs | 1.17e-07 |
| Heating end date and time | | 2017-07-12 19:42 |

Comments

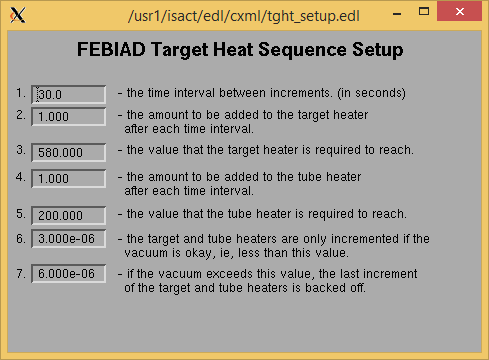
-FEBIAD Anode brought up to 50 V using FEBIAD TS controls. No current detected. No short detected during heating.

Plots

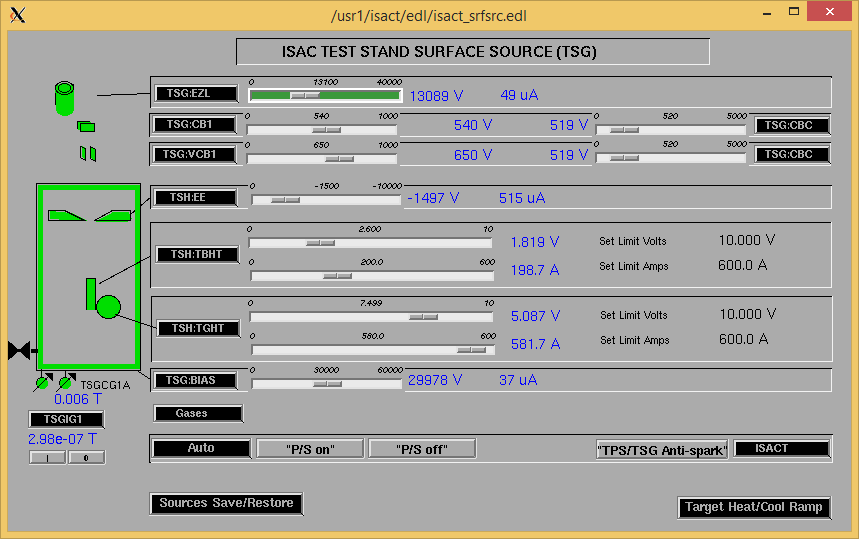
8h Vacuum Pump Down



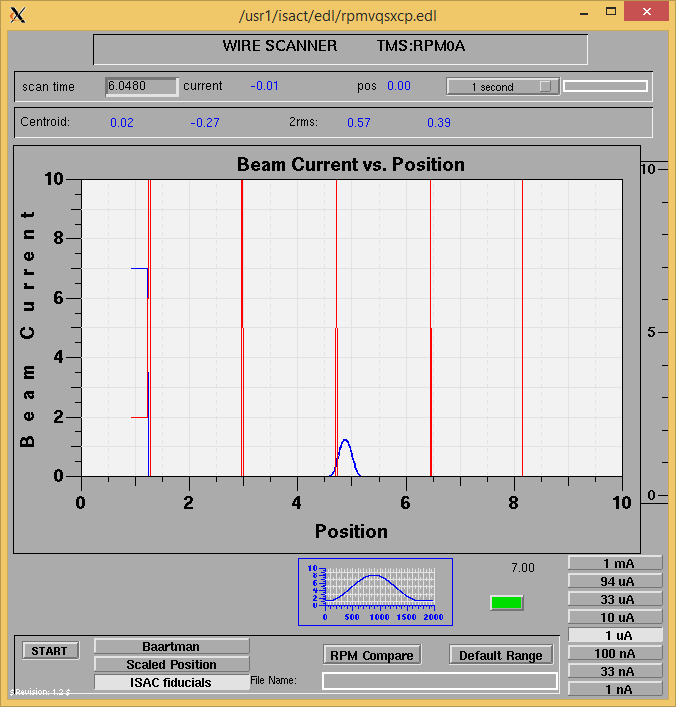
Target Heat Sequence Setup

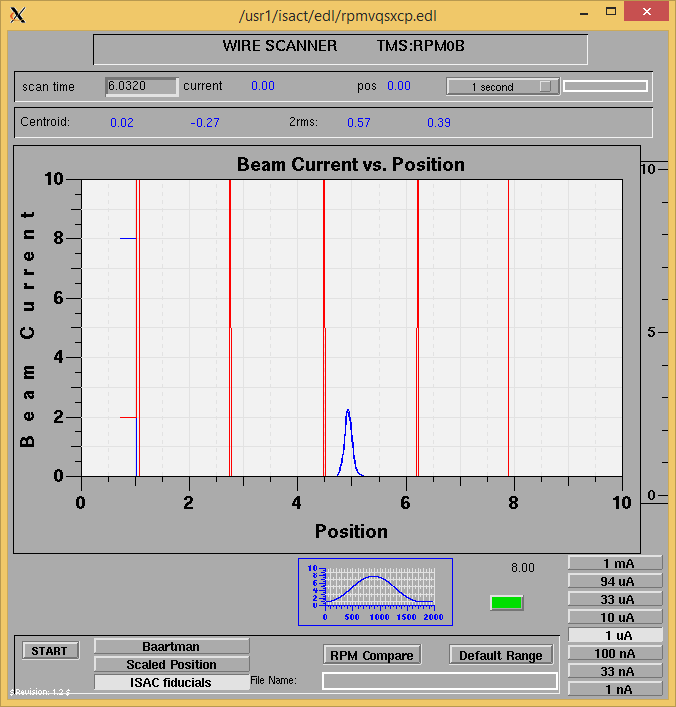


Source Tuning



Wire Scanners RPM0A and RPM0B





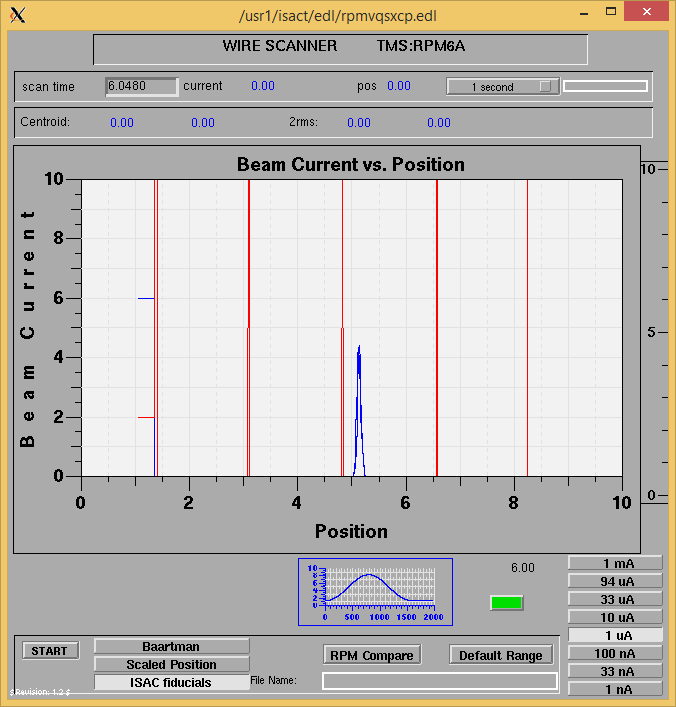
Optics Tuning

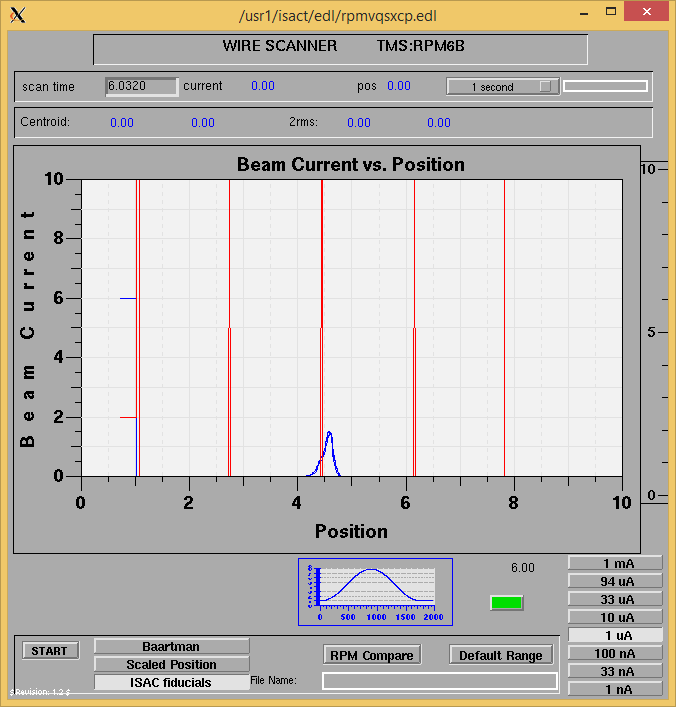


Mass 133

Wire Scanners RPM6A and RPM6B

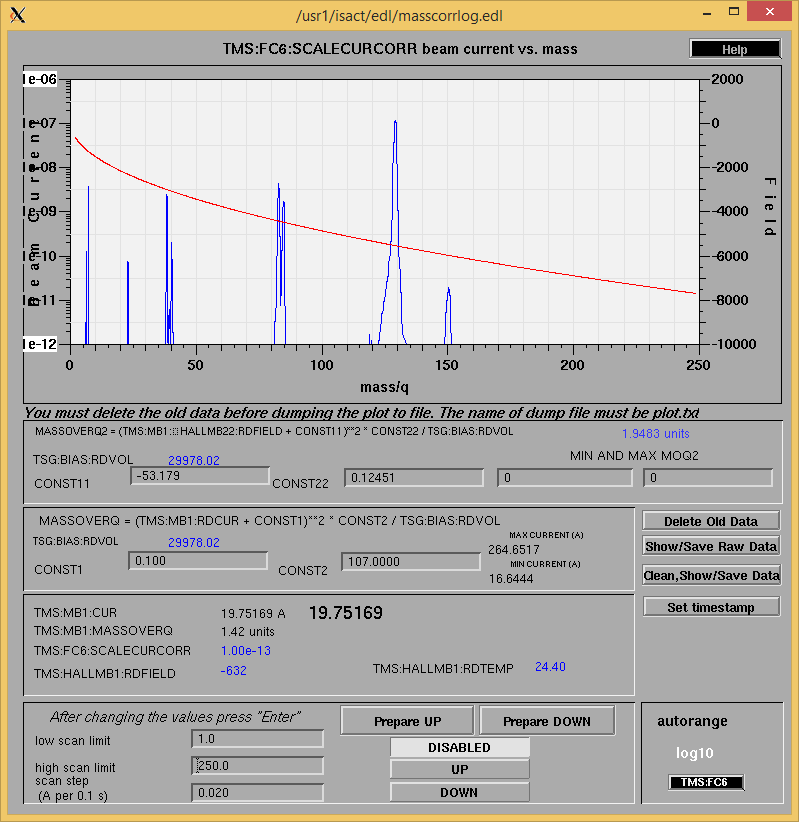
Mass 133





Mass 133

Mass Scan



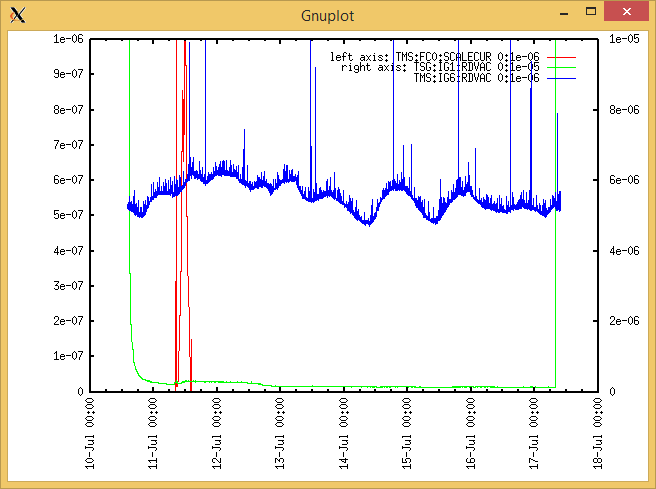
<http://isacwserv.triumf.ca/onlylocal/isactdata/save_restore/masscorr/2017-07-11-14-04%20Ta%2353>

Cooling Parameters

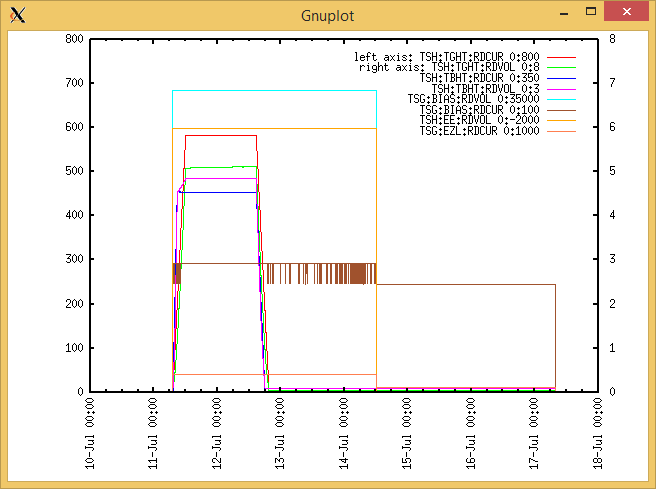


Overview Plots

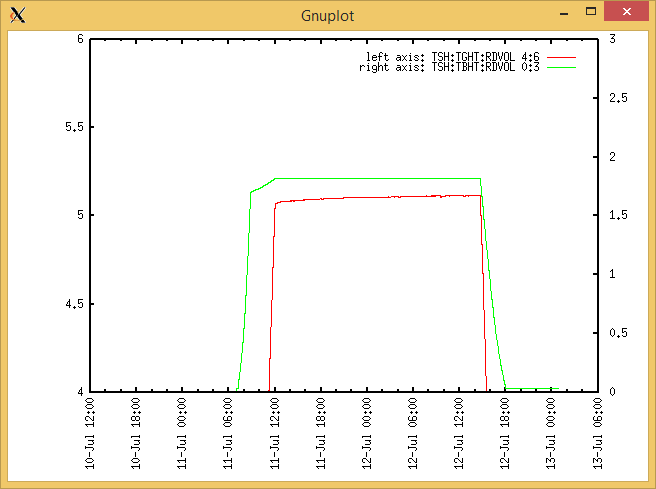
Vacuum and FC0



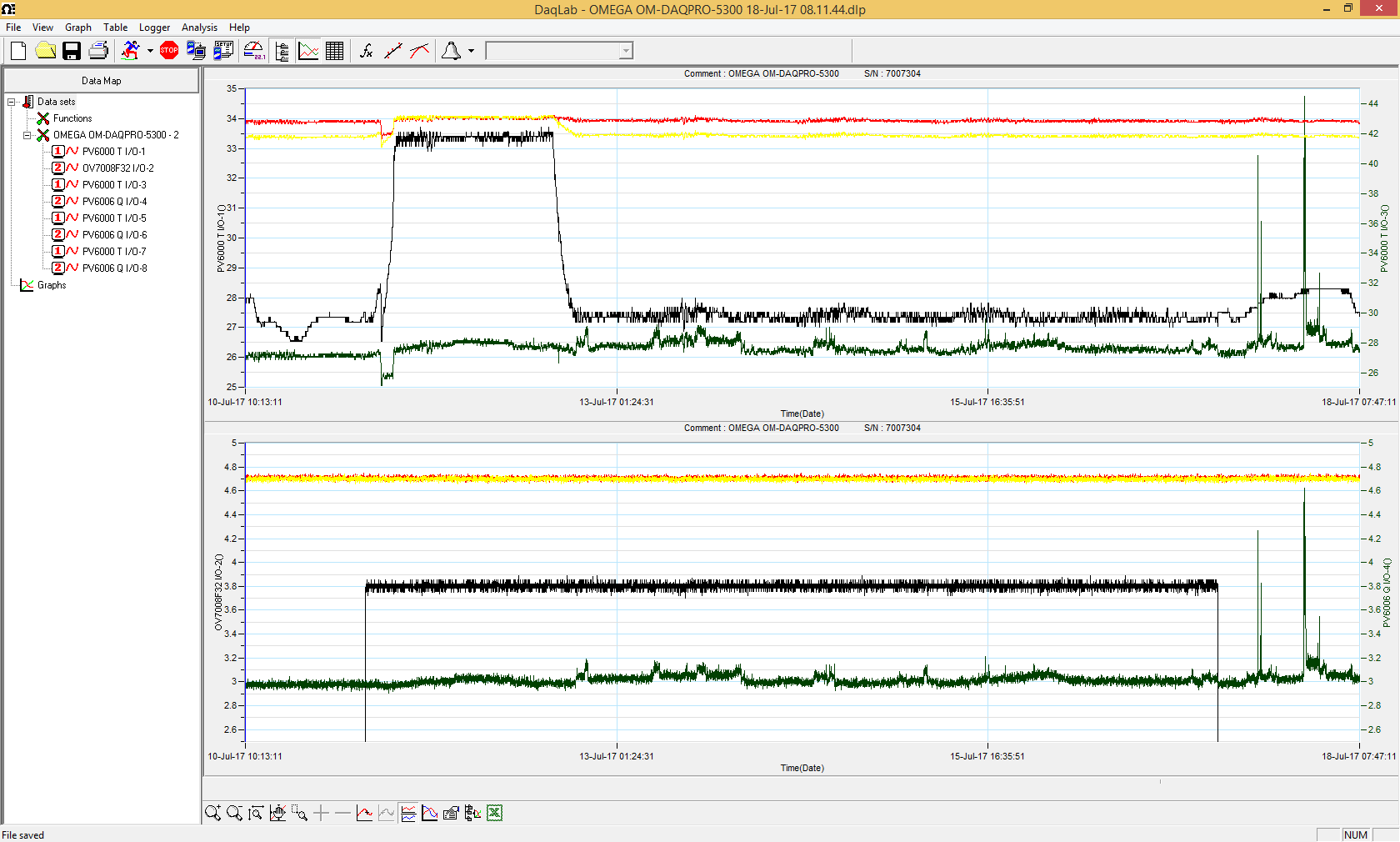
Heating, EE and BIAS



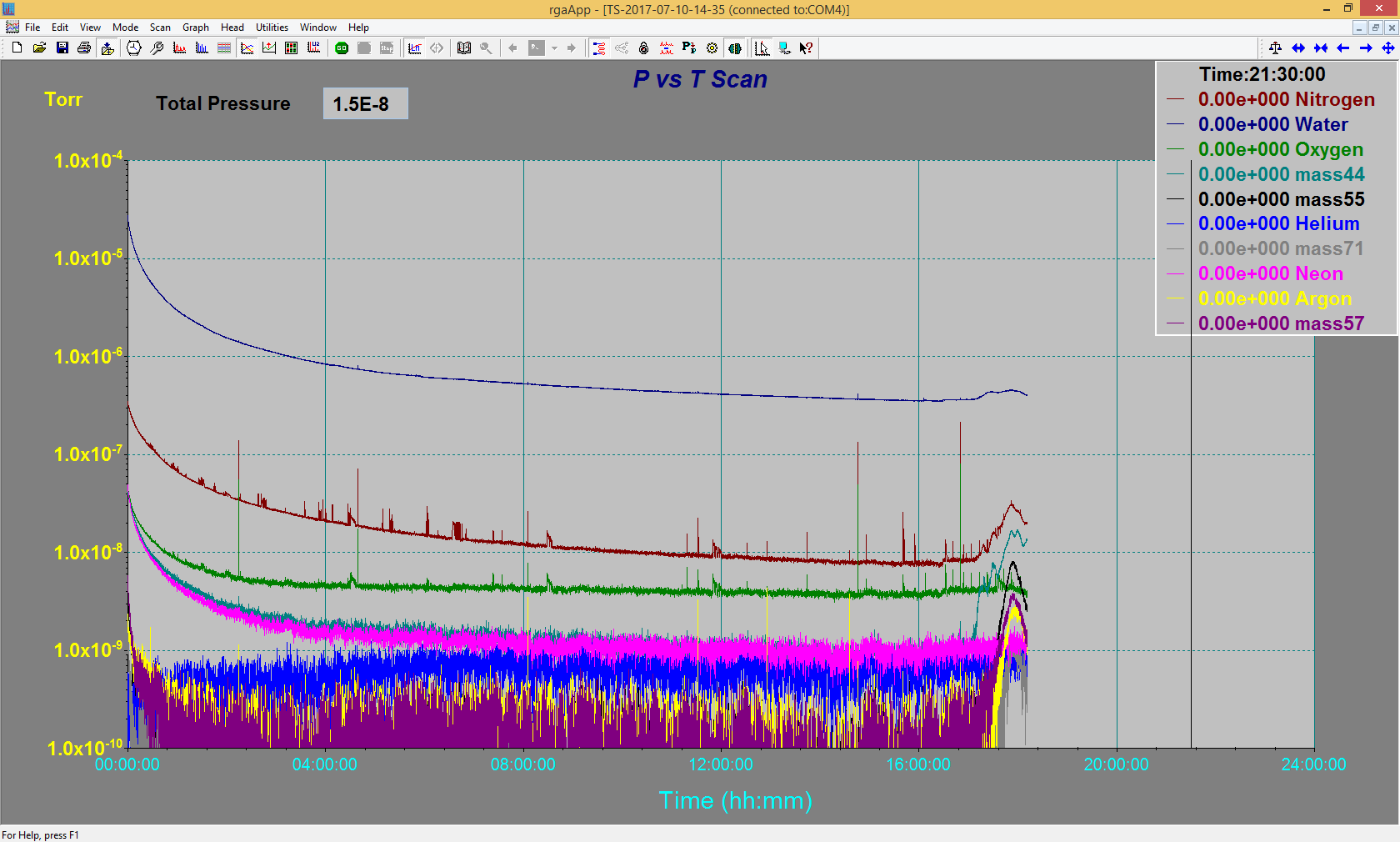
TGHT and TBHT Voltage

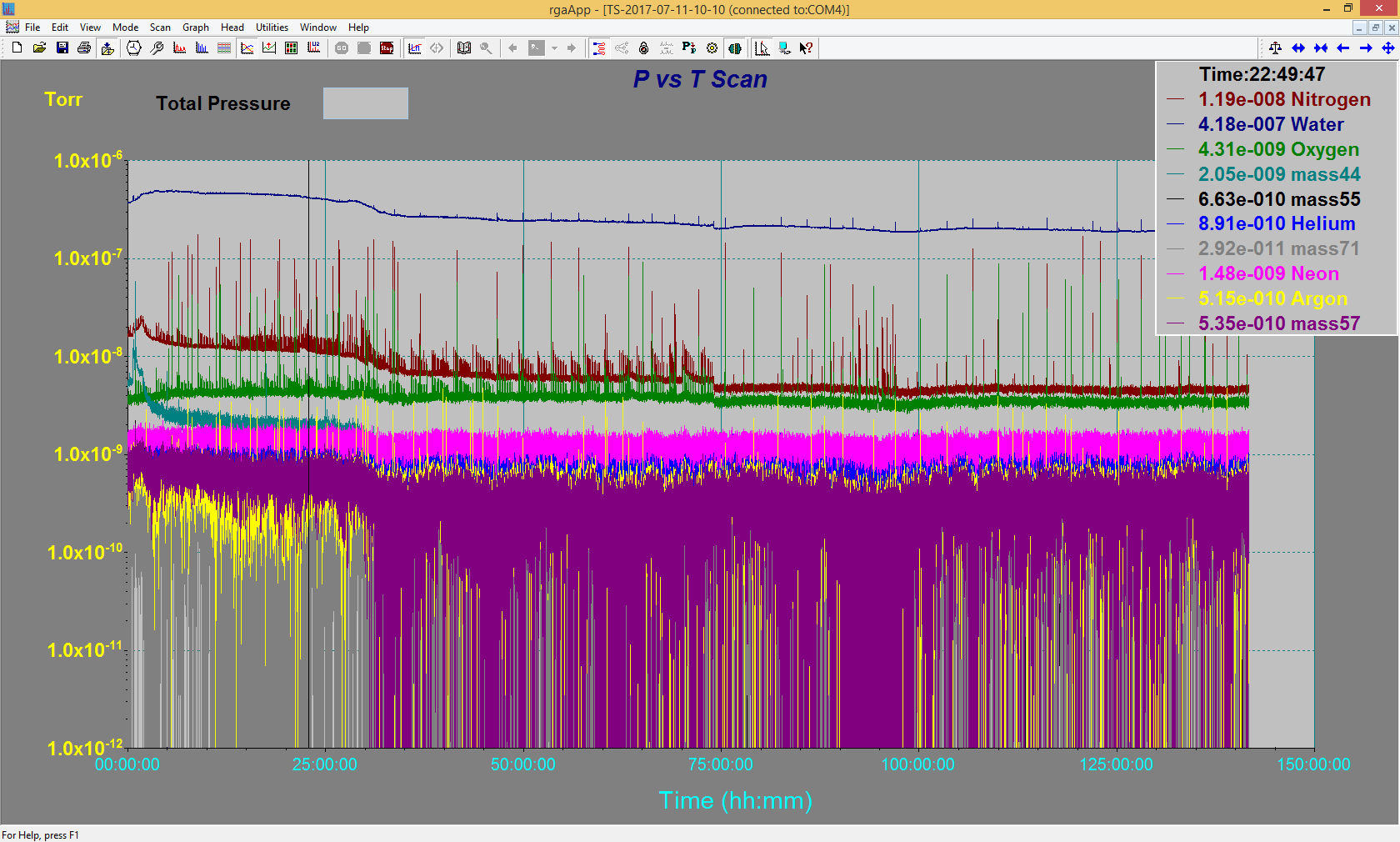


Flow and cooling water temperatures

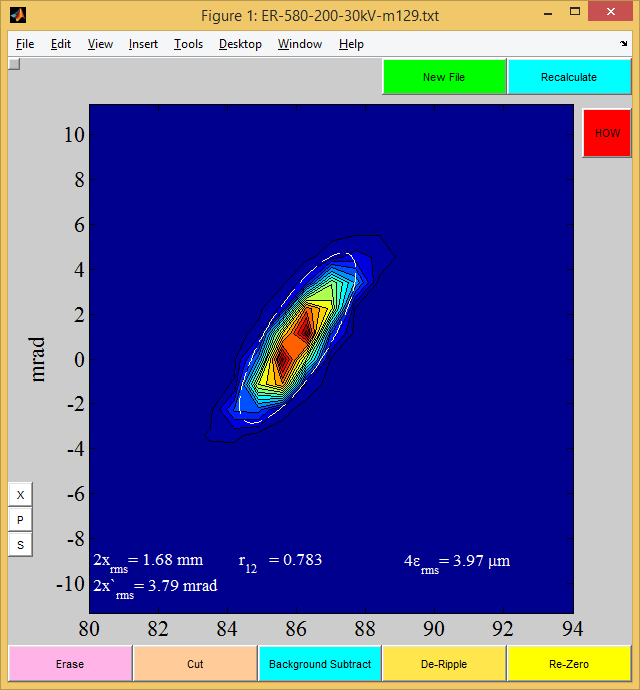


RGA

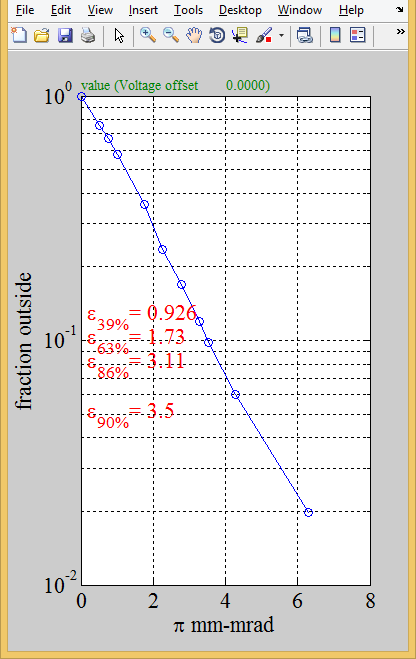




Emittance Scan



Mass 133



Mass 133