Conditioning Report

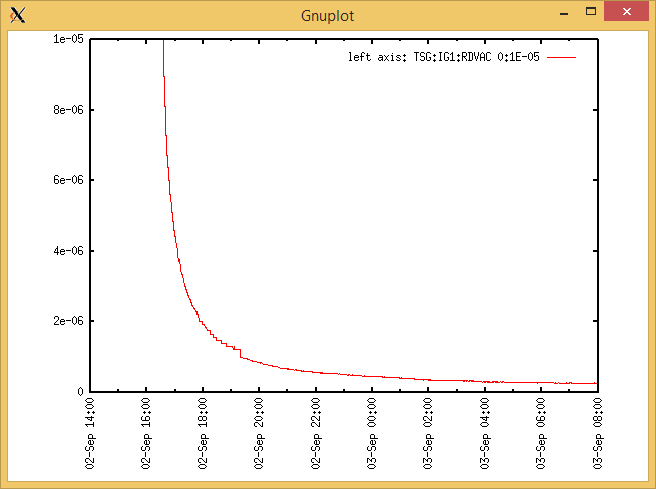
|  |  |  |
| --- | --- | --- |
| Target material and number | | SiC#34 |
| Target WO-SN | |  |
| Operator name | | Aaron Schmidt |
|  | |  |
| Heating start date and time | | 2016-09-06 08:34 |
| BIAS | |  |
| Voltage [kV] | | 30 |
| Current [µA] | | 43 |
| Extraction Electrode (EE) | |  |
| Voltage [kV] | | 1.5 |
| Current [µA] | | 503 |
| TGHT | |  |
| Current [A] | | 582 |
| Voltage [V] | | 7.482 |
| TBHT | |  |
| Current [A] | | 249 |
| Voltage [V] | | 2.017 |
| FEBIAD ANODE | |  |
| Voltage [V] | | - |
| Current [mA] | | - |
| FEBIAD COIL | |  |
| Current [A] | | - |
| Voltage [V] | | - |
| Flow and Temperature HS + MSP | | 28.4 |
| Flow [lpm] | | 3.78 |
| Temperature increase [C] | | +10 (38.4) |
| FC6 currents [A] | | - |
| SIS | 7Li | - |
| FEBIAD | 20Ne | - |
| SIS | 23Na | - |
| SIS | 39K | - |
| SIS | 85Rb | - |
| SIS | 133Cs | - |
| Heating end date and time | | 2016-09-06 20:49 |

Comments

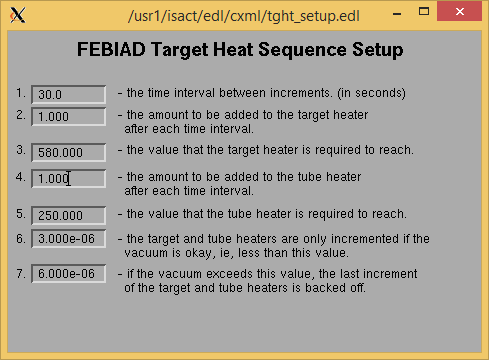
Tuesday, September 06, 2016, 14:05: Turbo pump TP1A found off. Restarted.

Plots

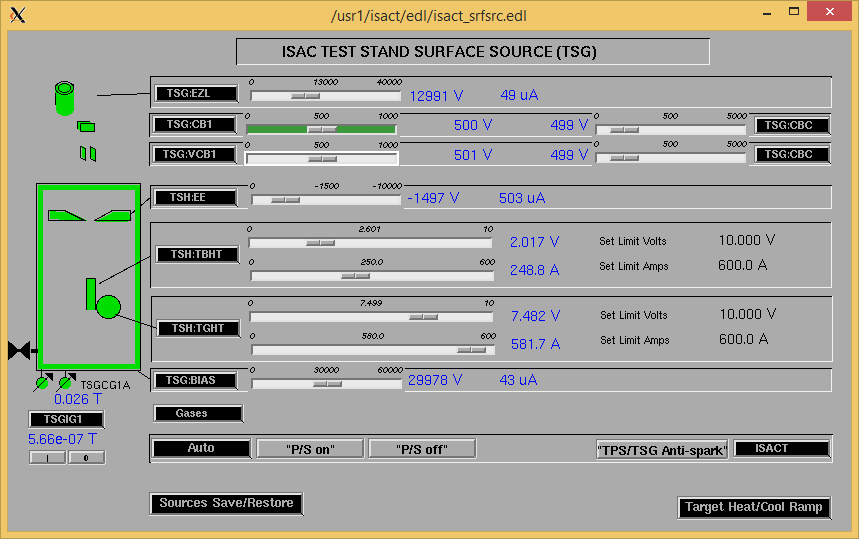
8h Vacuum Pump Down



Target Heat Sequence Setup

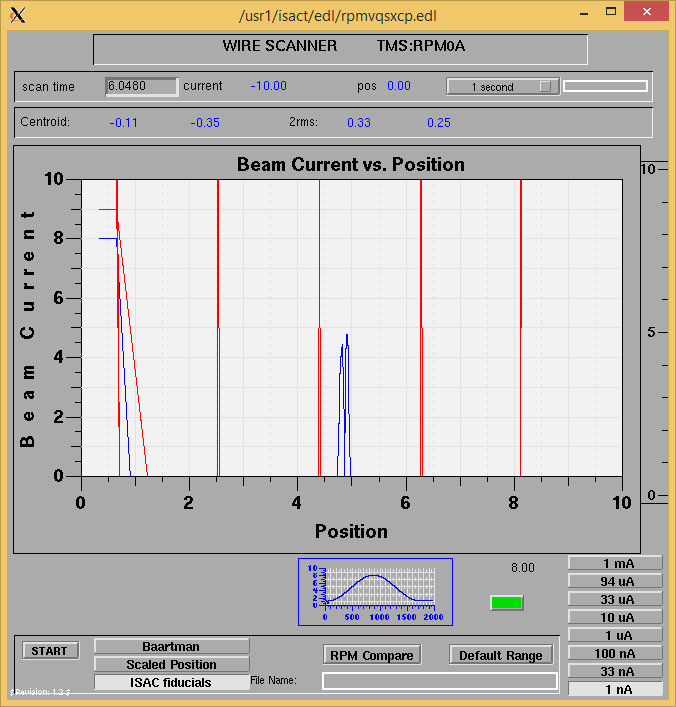


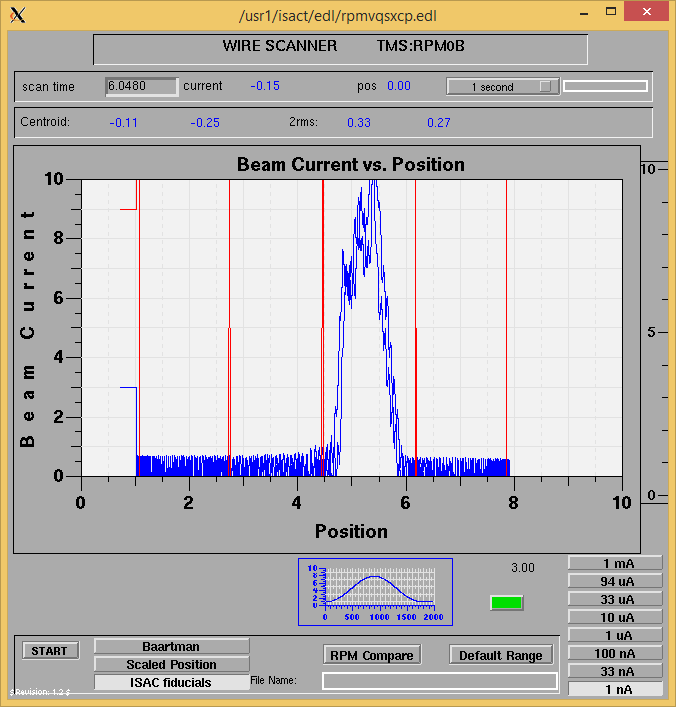
Source Tuning



Wire Scanners RPM0A and RPM0B

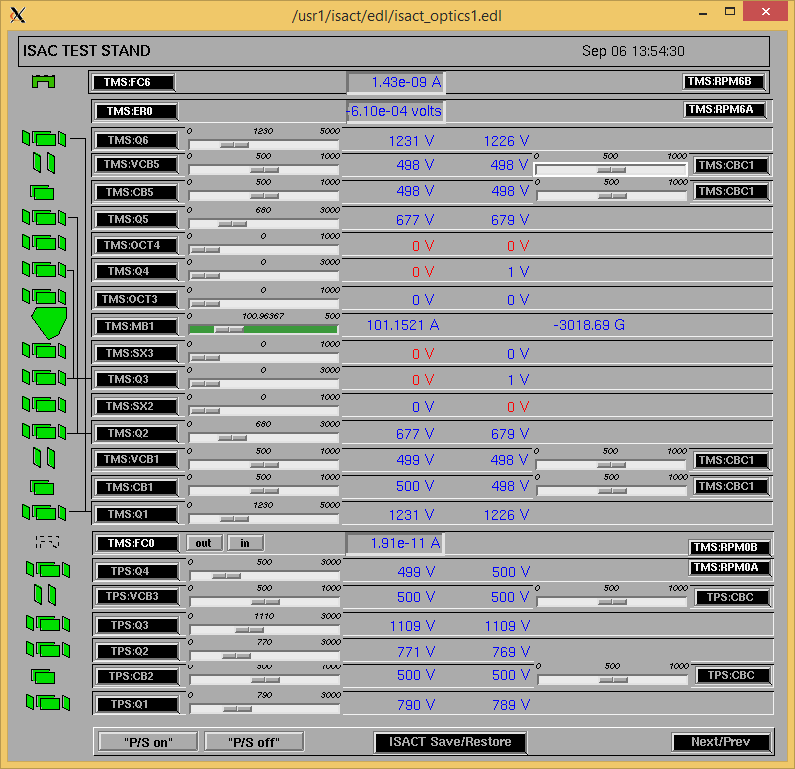
Mass 40





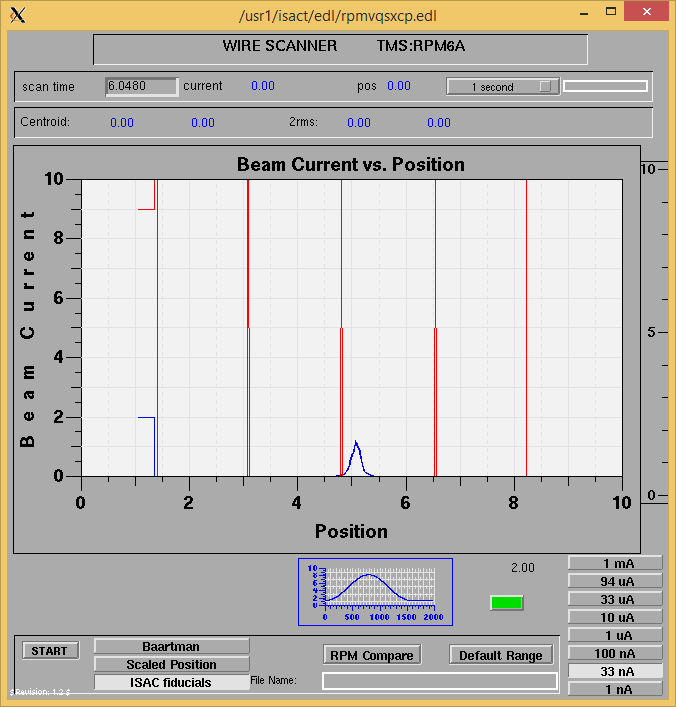
Mass 40

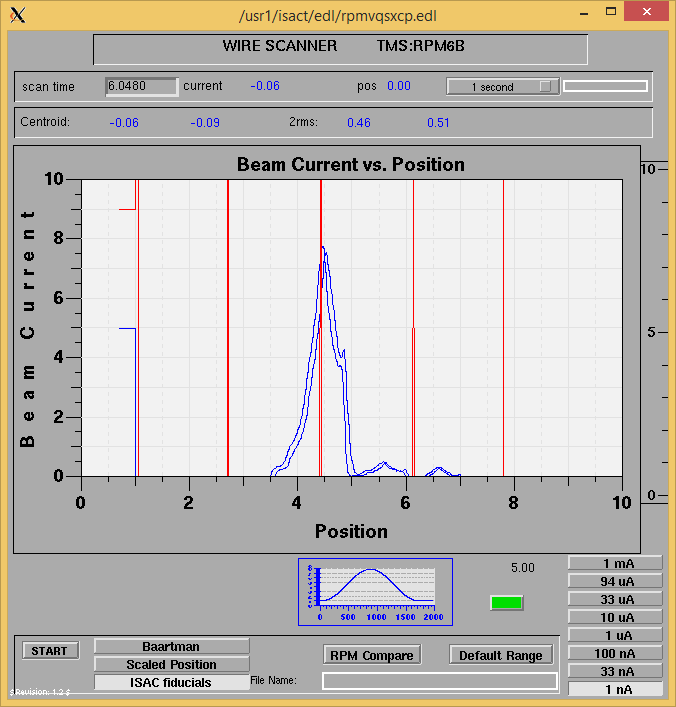
Optics Tuning



Wire Scanners RPM6A and RPM6B

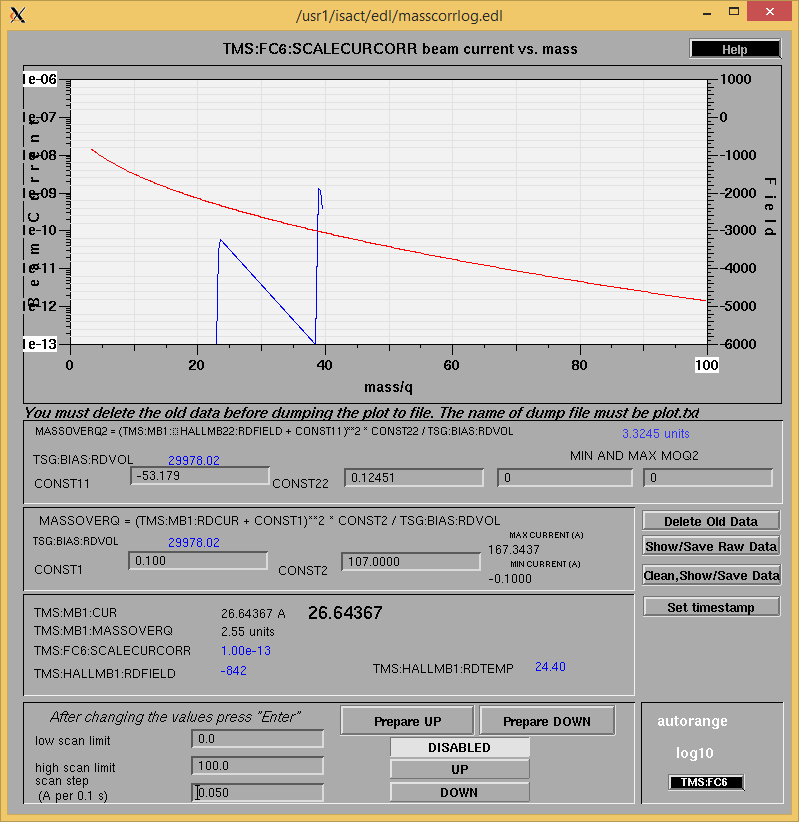
Mass 40





Mass 40

Mass Scan

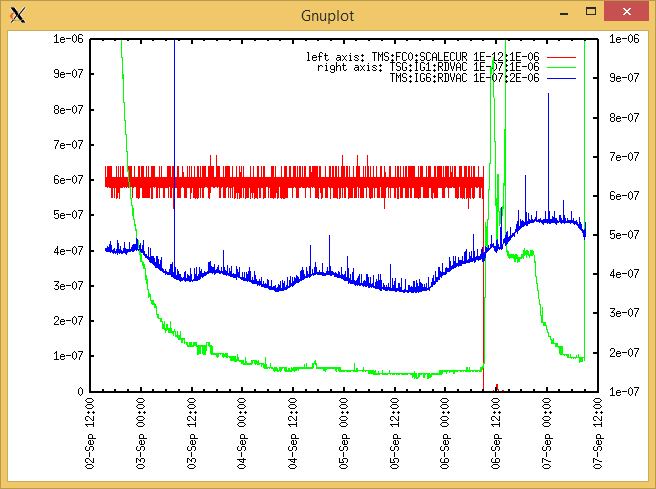


Cooling Parameters

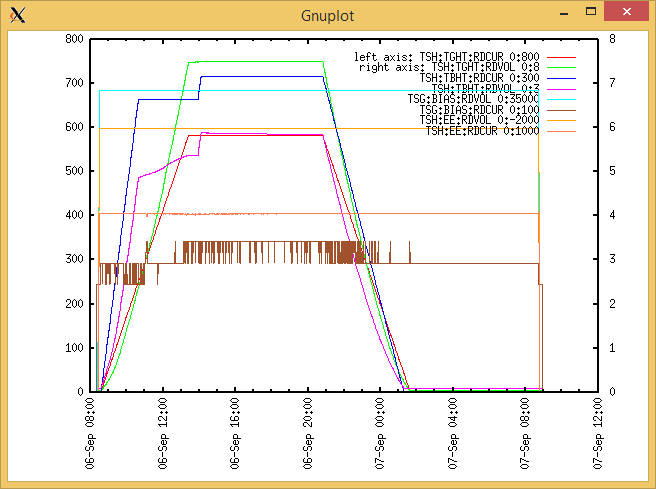


Overview Plots

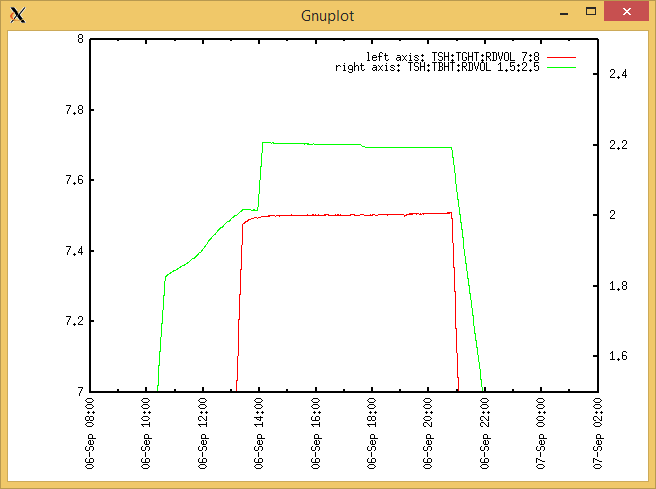
Vacuum and FC0



Heating, EE and BIAS



TGHT and TBHT Voltage



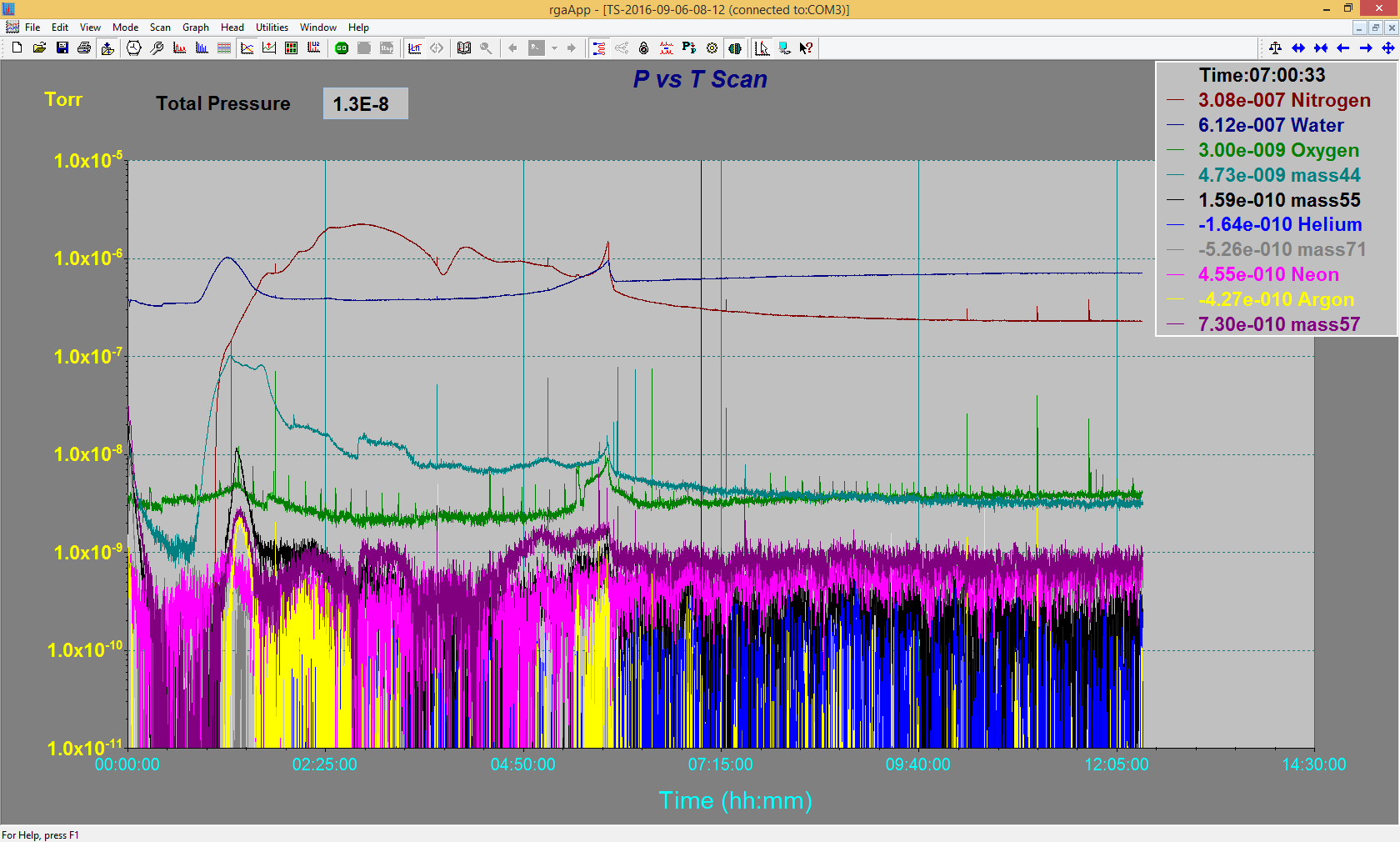
Flow and cooling water temperatures

|  |  |  |
| --- | --- | --- |
| **Device** | **Temp [C]** | **Flow [lpm]** |
| HS + MSP (1,2) | 28.4 | 3.78 |
| TBHT (3,4) | 28.3 | 2.96 |
| COIL + EE (5,6) | 28.0 | 4.89 |
| TGHT (7,8) | 29.6 | 5.50 |

|  |  |  |
| --- | --- | --- |
| **Device** | **Temp [C]** | **Flow [lpm]** |
| HS + MSP | 38.4 | 0.07 |
| TBHT | 28.5 | 2.98 |
| COIL + EE | 28.0 | 4.92 |
| TGHT | 30.0 | 5.54 |

Error on flow.

RGA



Emittance Scan

Not Available