Conditioning Report

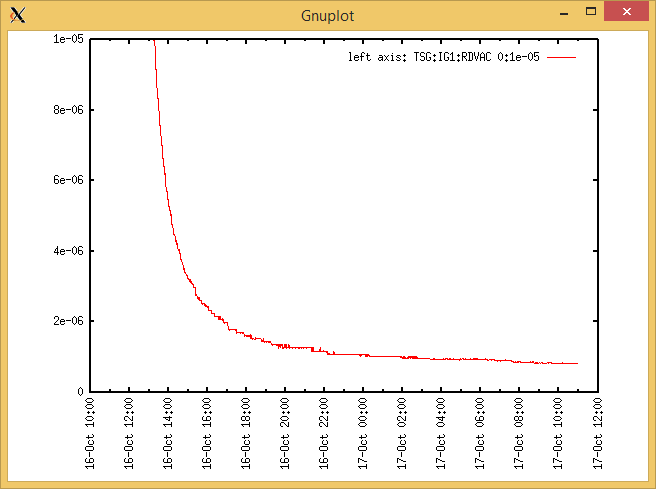
|  |  |  |
| --- | --- | --- |
| Target material and number | | Ta#61 |
| Target WO-SN | | 44508-1 |
| Operator name | | Aaron Schmidt |
|  | |  |
| Heating start date and time | | 2020-10-19 08:02 |
| BIAS | |  |
| Voltage [kV] | | 30 |
| Current [µA] | | 12 |
| Extraction Electrode (EE) | |  |
| Voltage [kV] | | -1.5 |
| Current [µA] | | 505 |
| TGHT | |  |
| Current [A] | | 580.2 |
| Voltage [V] | | 7.387 |
| TBHT | |  |
| Current [A] | | 229.0 |
| Voltage [V] | | 2.747 |
| FEBIAD ANODE | |  |
| Voltage [V] | | - |
| Current [mA] | | - |
| FEBIAD COIL | |  |
| Current [A] | | - |
| Voltage [V] | | - |
| Flow and Temperature HS + MSP | | 23.43 |
| Flow [lpm] | | 5.86 |
| Temperature increase [C] | | 1.05 |
| FC6 currents [A] | | 1.26E-07 |
| SIS | 7Li | 5.03E-11 |
| FEBIAD | 20Ne | - |
| SIS | 23Na | 8.93E-11 |
| SIS | 39K | 8.57E-10 |
| SIS | 85Rb | 4.68E-11 |
| SIS | 133Cs | 6.01E-09 |
| Heating end date and time | | 2020-10-22 11:36 |

Comments

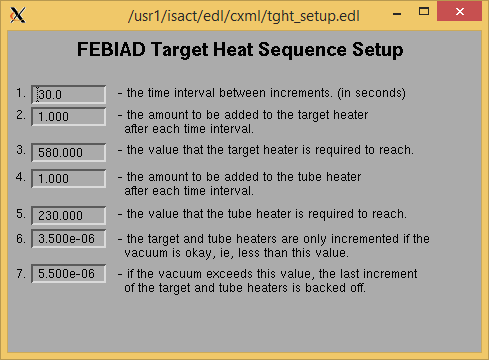
RGA unavailable

Plots

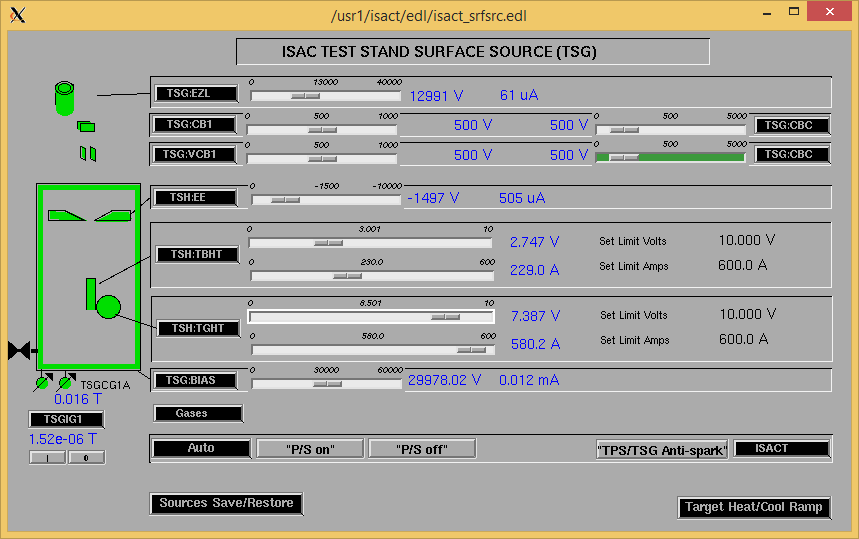
8h Vacuum Pump Down



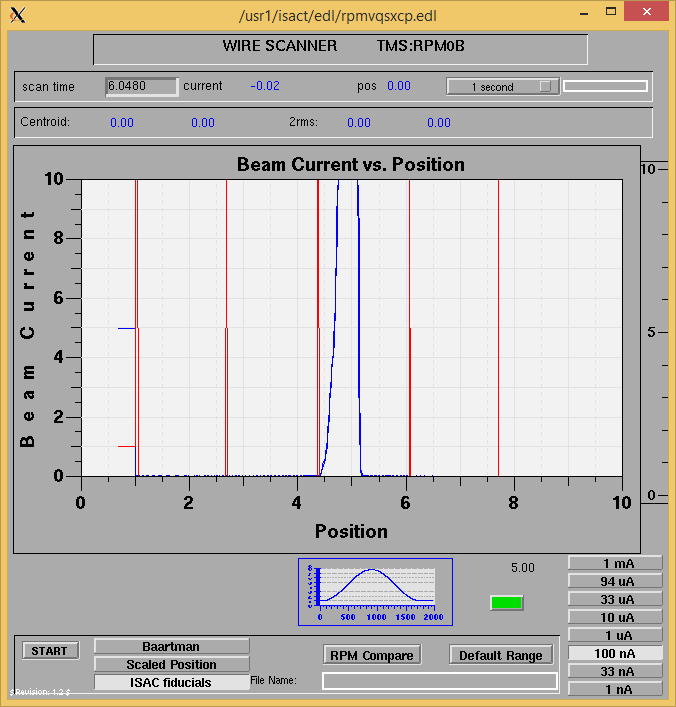
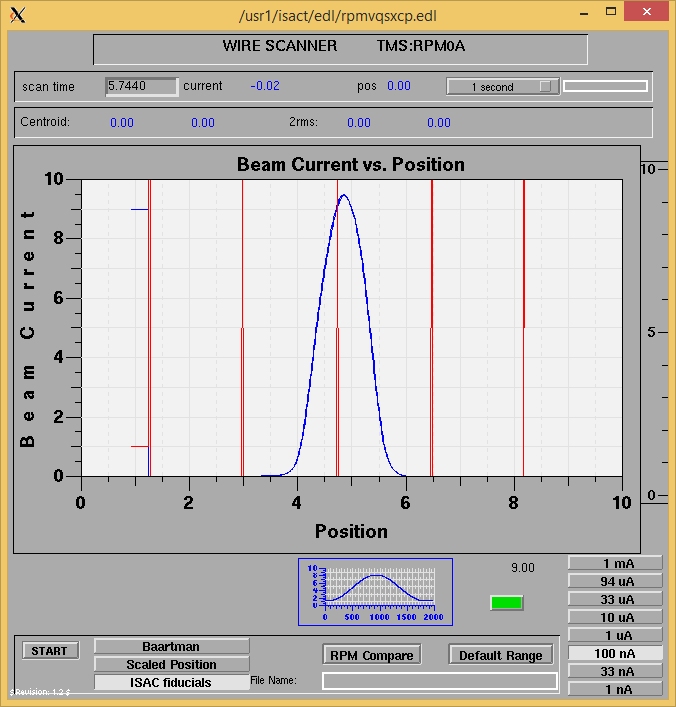
Target Heat Sequence Setup



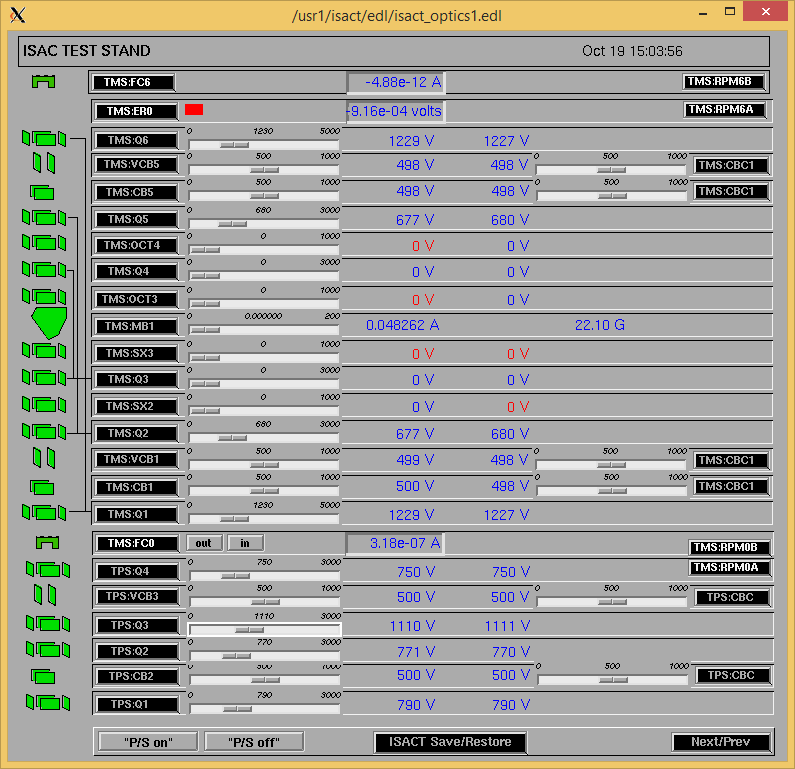
Source Tuning



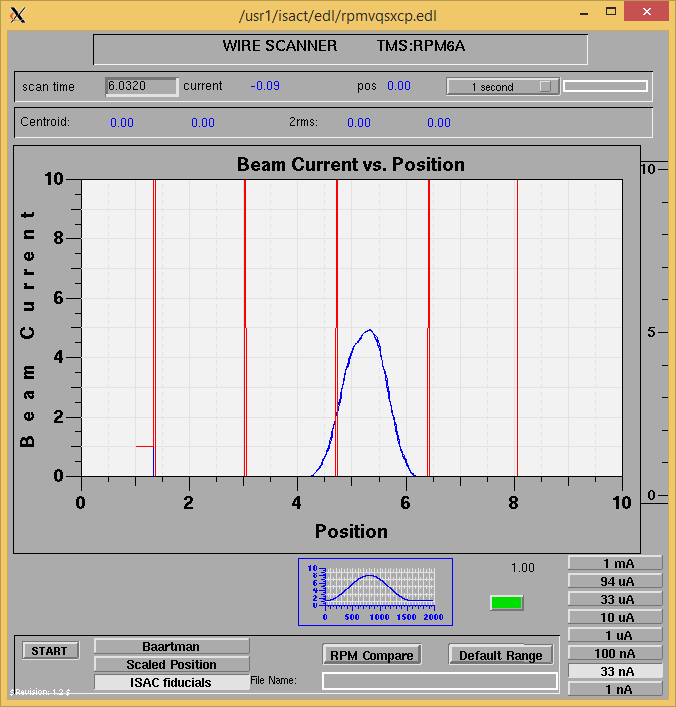
Wire Scanners RPM0A and RPM0B



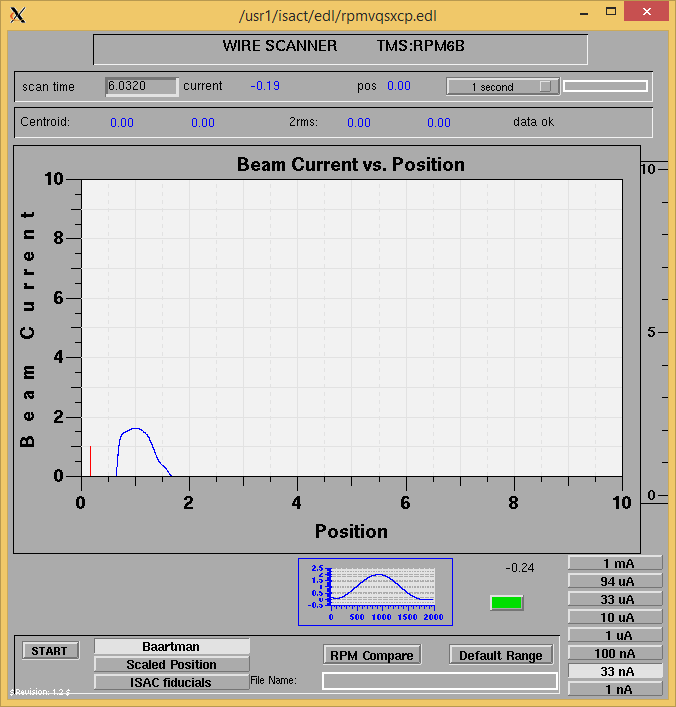
Optics Tuning



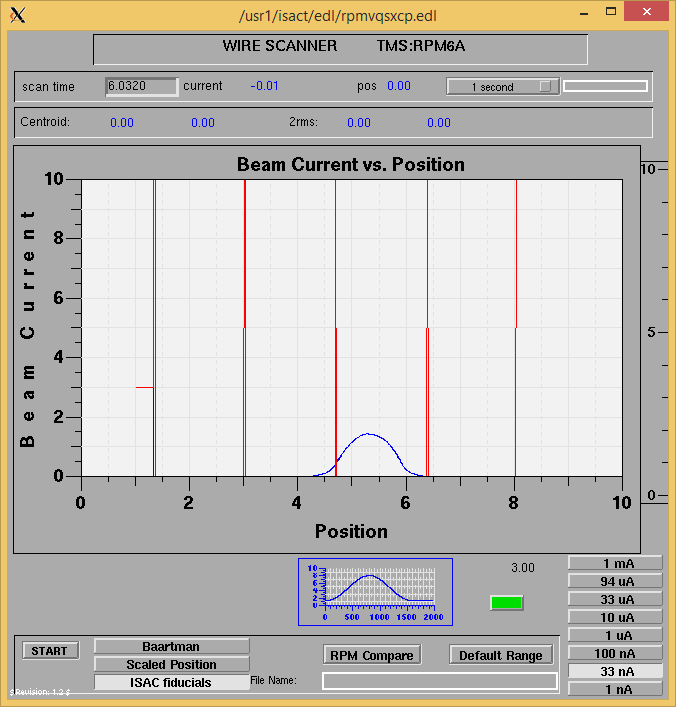
Wire Scanners RPM6A and RPM6B



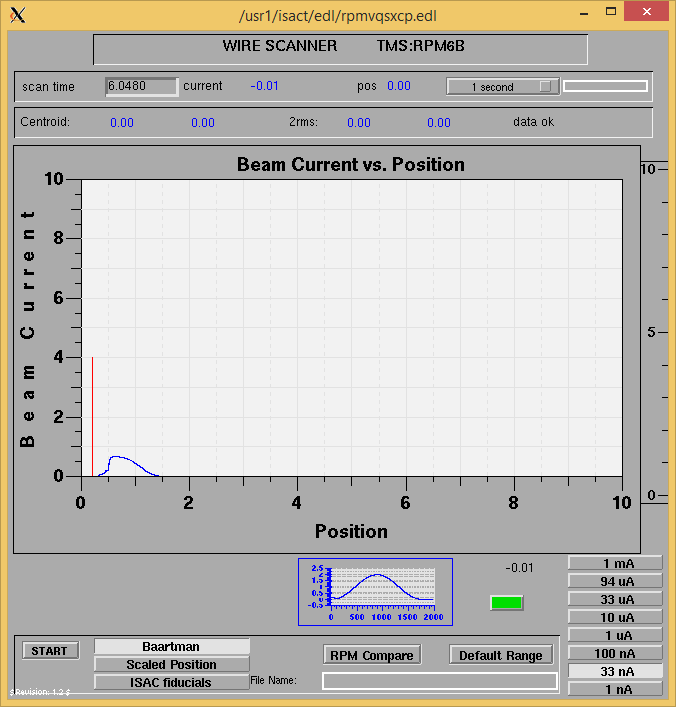
Mass 28



Mass 28

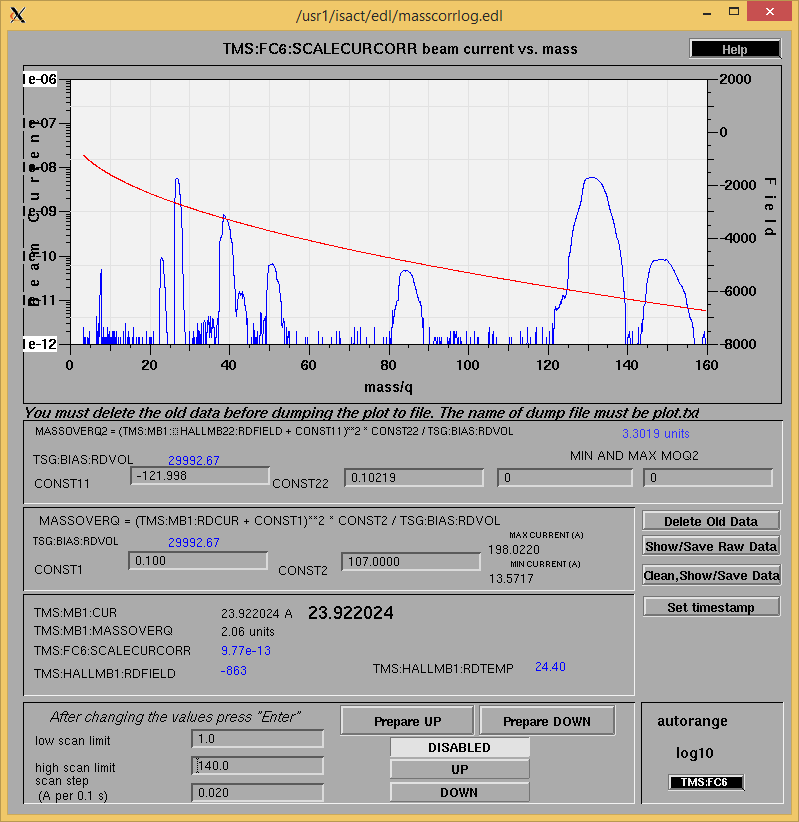


Mass 133



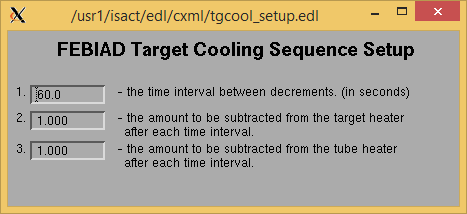
Mass 133

Mass Scan



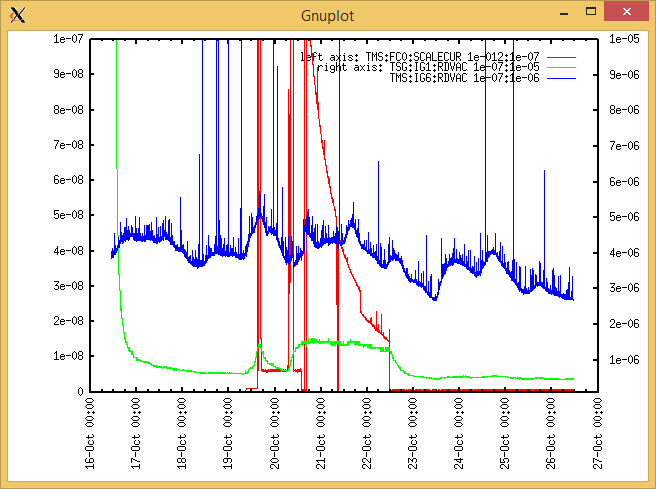
<http://isacwserv.triumf.ca/onlylocal/isactdata/save_restore/masscorr/2020-10-20-15-30%20Ta%2361>

Cooling Parameters

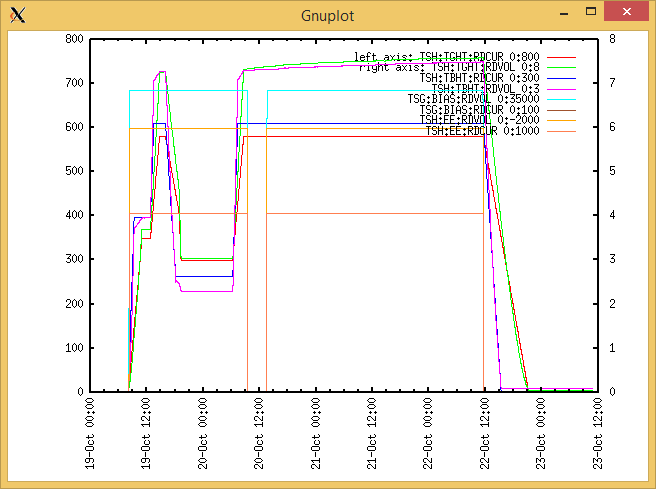


Overview Plots

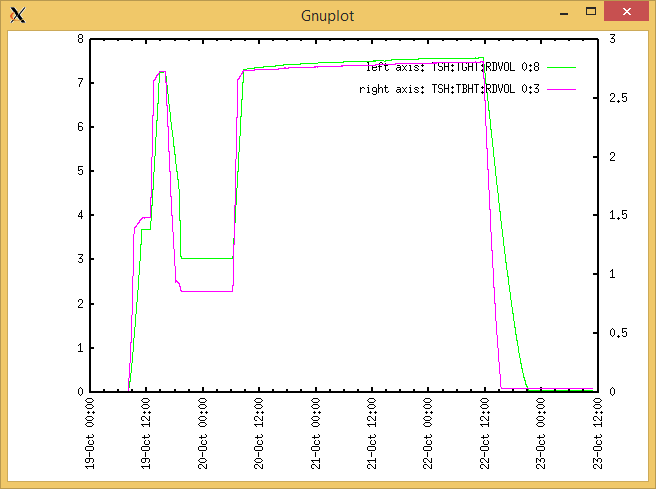
Vacuum and FC0



Heating, EE and BIAS



TGHT and TBHT Voltage



Flow and cooling water temperatures

Monday, October 19, 2020, 08:03:

|  |  |  |
| --- | --- | --- |
| **Device** | **Temp [C]** | **Flow [lpm]** |
| HS + MSP | 23.43 | 5.86 |
| TBHT | 23.34 | 8.52 |
| COIL + EE | 23.36 | 2.65 |
| TGHT | 23.27 | 6.45 |

Tuesday, October 20, 2020, 14:17:

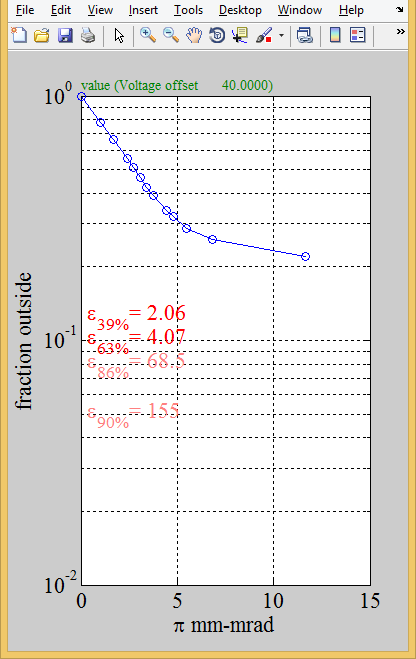
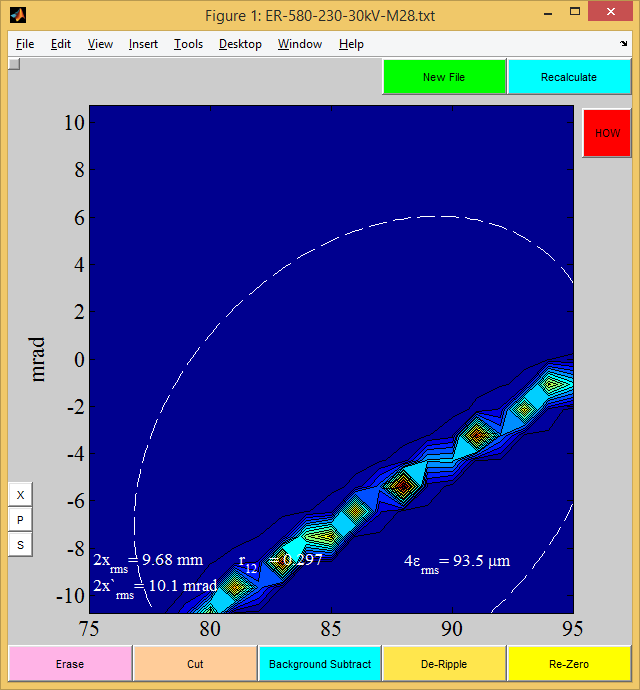
|  |  |  |
| --- | --- | --- |
| **Device** | **Temp [C]** | **Flow [lpm]** |
| HS + MSP | 24.64 | 5.87 |
| TBHT | 24.29 | 8.76 |
| COIL + EE | 24.07 | 2.71 |
| TGHT | 24.25 | 6.54 |

RGA

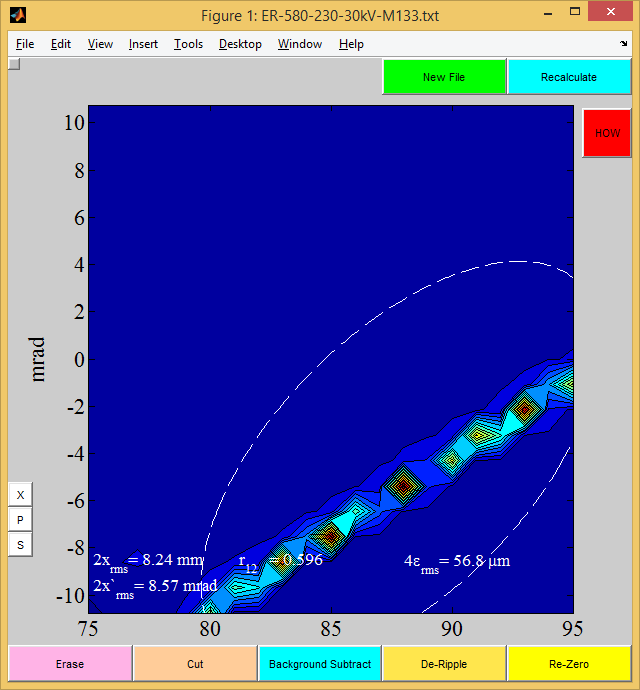
N/A

Emittance Scan

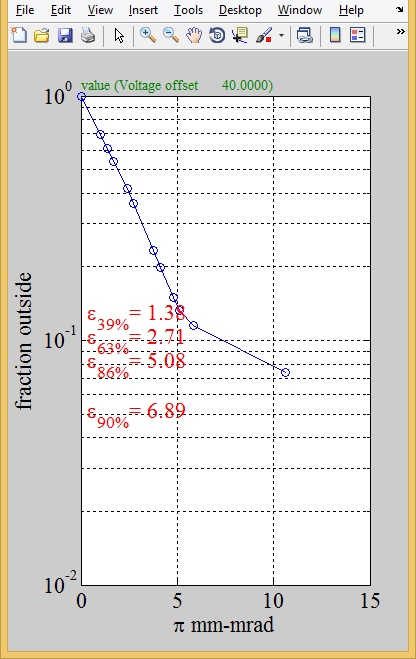
Mass 28



Mass 28



m133



m133