Conditioning Report

|  |  |
| --- | --- |
| Target material and number | Ta#62 |
| Target WO-SN | 44691-4 |
| Operator name | Aaron Schmidt |
|  |  |
| Heating start date and time | 2021-06-27 03:55 |
| BIAS |  |
|  Voltage [kV] | 30 |
|  Current [µA] | 17 |
| Extraction Electrode (EE) |  |
|  Voltage [kV] | -1.5 |
|  Current [µA] | 510 |
| TGHT |  |
|  Current [A] | 580.2 |
|  Voltage [V] | 6.750 |
| TBHT |  |
|  Current [A] | 231.4 |
|  Voltage [V] | 2.613 |
| FEBIAD ANODE |  |
|  Voltage [V] | - |
|  Current [mA] | - |
| FEBIAD COIL |  |
|  Current [A] | - |
|  Voltage [V] | - |
| Flow and Temperature HS + MSP | N/A |
|  Flow [lpm] | N/A |
|  Temperature increase [C] | N/A |
| FC6 currents [A] |  |
|  SIS | 7Li | 2.96E-10 |
|  FEBIAD  | 20Ne | - |
|  SIS | 23Na | 5.60E-10 |
|  SIS | 39K | 3.27E-09 |
|  SIS | 85Rb | 1.45E-10 |
|  SIS | 133Cs | 1.40E-08 |
| Heating end date and time | 2021-06-27 16:30 |

Comments

RGA unavailable.

Emittance meter 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 136



Mass 136



Mass 40



Mass 40

Mass Scan

http://isacwserv.triumf.ca/onlylocal/isactdata/save\_restore/masscorr/2021-06-27-10-38%20Ta%2362

Cooling Parameters



Overview Plots

Vacuum and FC0



Heating, EE and BIAS



TGHT and TBHT Voltage



Flow and cooling water temperatures

Done remotely\* Heat wave w/ +35-40C temperatures also messing with the water temperature.

RGA

N/A

Emittance Scan

N/A E-rig malfunction. Connection/cable?