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

Chart, line chart

Description automatically generated

Target Heat Sequence Setup

Text

Description automatically generated with medium confidence

Source Tuning

Graphical user interface

Description automatically generated

Wire Scanners RPM0A and RPM0B

Graphical user interface, chart

Description automatically generatedGraphical user interface

Description automatically generated

Optics Tuning

Graphical user interface, table

Description automatically generated

Wire Scanners RPM6A and RPM6B

Graphical user interface, application

Description automatically generated

Mass 136

Graphical user interface, application, table

Description automatically generated

Mass 136

Graphical user interface, application

Description automatically generated

Mass 40

Graphical user interface, application, table, Excel

Description automatically generated

Mass 40

Mass Scan

Graphical user interface, chart

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

Cooling Parameters

Graphical user interface, text, application

Description automatically generated

Overview Plots

Vacuum and FC0

Chart

Description automatically generated

Heating, EE and BIAS

Chart

Description automatically generated

TGHT and TBHT Voltage

Chart, line chart

Description automatically generated

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?