Conditioning Report

|  |  |
| --- | --- |
| Target material and number | SiC#36 |
| Target WO-SN | 41369-10 |
| Operator name | Aaron Schmidt |
|  |  |
| Heating start date and time | 2017-06-03 09:31 |
| BIAS |  |
|  Voltage [kV] | 30 |
|  Current [µA] | 37 |
| Extraction Electrode (EE) |  |
|  Voltage [kV] | 1.5 |
|  Current [µA] | 501 |
| TGHT |  |
|  Current [A] | 581.7 |
|  Voltage [V] | 5.314 |
| TBHT |  |
|  Current [A] | 299.0 |
|  Voltage [V] | 2.447 |
| FEBIAD ANODE |  |
|  Voltage [V] | 200 |
|  Current [mA] | 89.133 |
| FEBIAD COIL |  |
|  Current [A] | 70.04 |
|  Voltage [V] | 0.7 |
| Flow and Temperature HS + MSP |  |
|  Flow [lpm] | 3.80 |
|  Temperature increase [C] | - |
| FC6 currents [A] | 6.71e-09 |
|  SIS | 7Li | - |
|  FEBIAD  | 20Ne | 4.82e-12 |
|  SIS | 23Na | - |
|  SIS | 39K | - |
|  SIS | 85Rb | - |
|  SIS | 133Cs | - |
| Heating end date and time | 2017-06-05 22:15 |

Comments

- Heat shields WO 42132-6/9

-Coil loose while loading into test stand (Remove lid, Tighten and place lid again)

Plots

8h Vacuum Pump Down



Target Heat Sequence Setup





Source Tuning



Wire Scanners RPM0A and RPM0B





Optics Tuning



Mass 20

Wire Scanners RPM6A and RPM6B

Mass 20



Mass 20



Mass Scan



<http://isacwserv.triumf.ca/onlylocal/isactdata/save_restore/masscorr/2017-06-05-09-03%20SiC%2336>

Cooling Parameters



Overview Plots

Vacuum and FC0



Heating, EE and BIAS



TGHT and TBHT Voltage



Flow and cooling water temperatures



RGA



Emittance Scan



Mass 20

