

TEGA_Filament_Switch

Reconciled with block: tega_ega_whack

Objectives: Switch from Filament 0 to Filament 1, with a short on Filament 0. Run sweep to evaluate quality of data in this state.

Configuration: TEGA performed Checkout I – successfully. Checkout II results indicated ion source short on Filament 0.

Filaments used: 1

SW Version (386):

SW Version (EGA):

Sweep and hop mode version(s): V112

Super modes and Sweep modes used: Sweep 38

Block duration: 25 minutes

- 1) TEGA ON
- 2) Select oven (as input parameter)
- 3) Sequence 30A
- 4) EGA On
 - a) Restore modes EEprom 0
- 5) Set EGA Transmit time to 1 sec
- 6) Set Jplates (-107,-92V)
- 7) Select Filament 1
- 8) Start SM 1
- 9) MV ON @ 3200V
- 10) Ion Pump ON
- 11) Emission ON
- 12) Pause 2 minutes
- 13) Stop SM 1
- 14) Pause 3 minutes
- 15) Run Sweep 39 (long version)

May 31, 2008

Revision 0

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16) Turn EGA Off

17) Turn TEGA Off