



Creed / Drago Check List

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COMMENTS 0

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WORKS FOR ME

ABSTRACT

Important to check after any lonpath servicing.

The in house preset SIO and Sample Bias values are different from IonPath's default values.

The values were determined empirically (Hadeesha Piyadasa et.al.) to optimise organic (Noodle) noise and true signal values.

PROTOCOL CITATION

Kausalia Vijayaragavan 2022. Creed / Drago Check List. **protocols.io** https://protocols.io/view/creed-drago-check-list-ckg5uty6

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73981

GUIDELINES

Make sure the SIO, Sample Bias and DEM Gain Values are set to Our Specs

BEFORE STARTING

Important to check after any lonpath servicing

Check on SIO Voltage Settings

1 Go to HV Control Tab



1

1.1 Check on Voltage of Secondary Ion Optics (SIO)

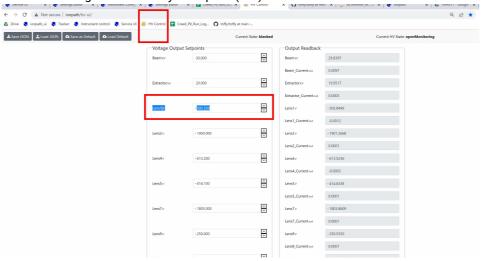


Figure 1. Voltage Output SetPoints Window

Make sure Lens1 voltage is at or to close 500V. Do not worry about the negative value. If it is at 1000V please contact Mike Angelo. 1000V is the default voltage setting for IonPath which we do not use.

Check on Sample Bias and DEM Settings

2 Go to Service UI Tab

2.1

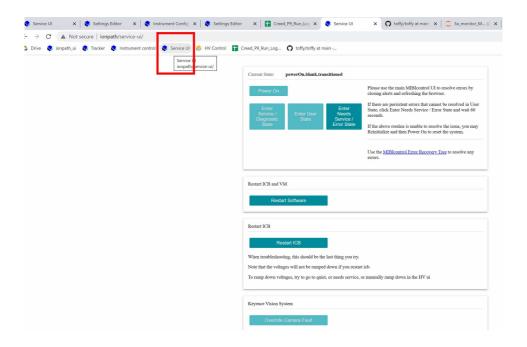


Figure 2. Service UI Window

Scroll down to bottom of the page

2.2

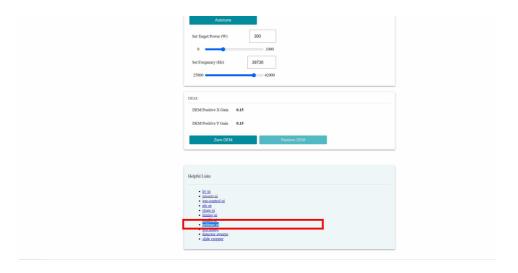


Figure 3. Service UI Window where Helpful Links Section

Select the Setting.ui option

2.3 Checks on Sample Bias Value

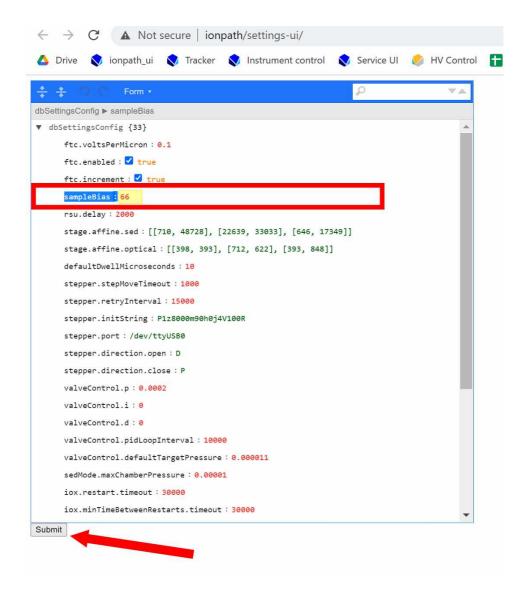


Figure 3. dbSettings Configuration Window for Sample Bias Value

Make sure the Sample Bias is set at 66. If not change and hit Submit button.

2.4 Checks on DEM Gain Value

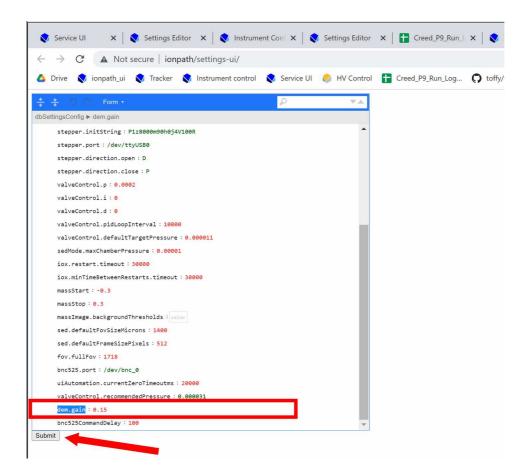


Figure 4. dbSettings Configuration Window for DEM Gain Value

Scroll down to bottom of the page. Make sure the DEM Gain is set at 0.15. If not change and hit Submit button.