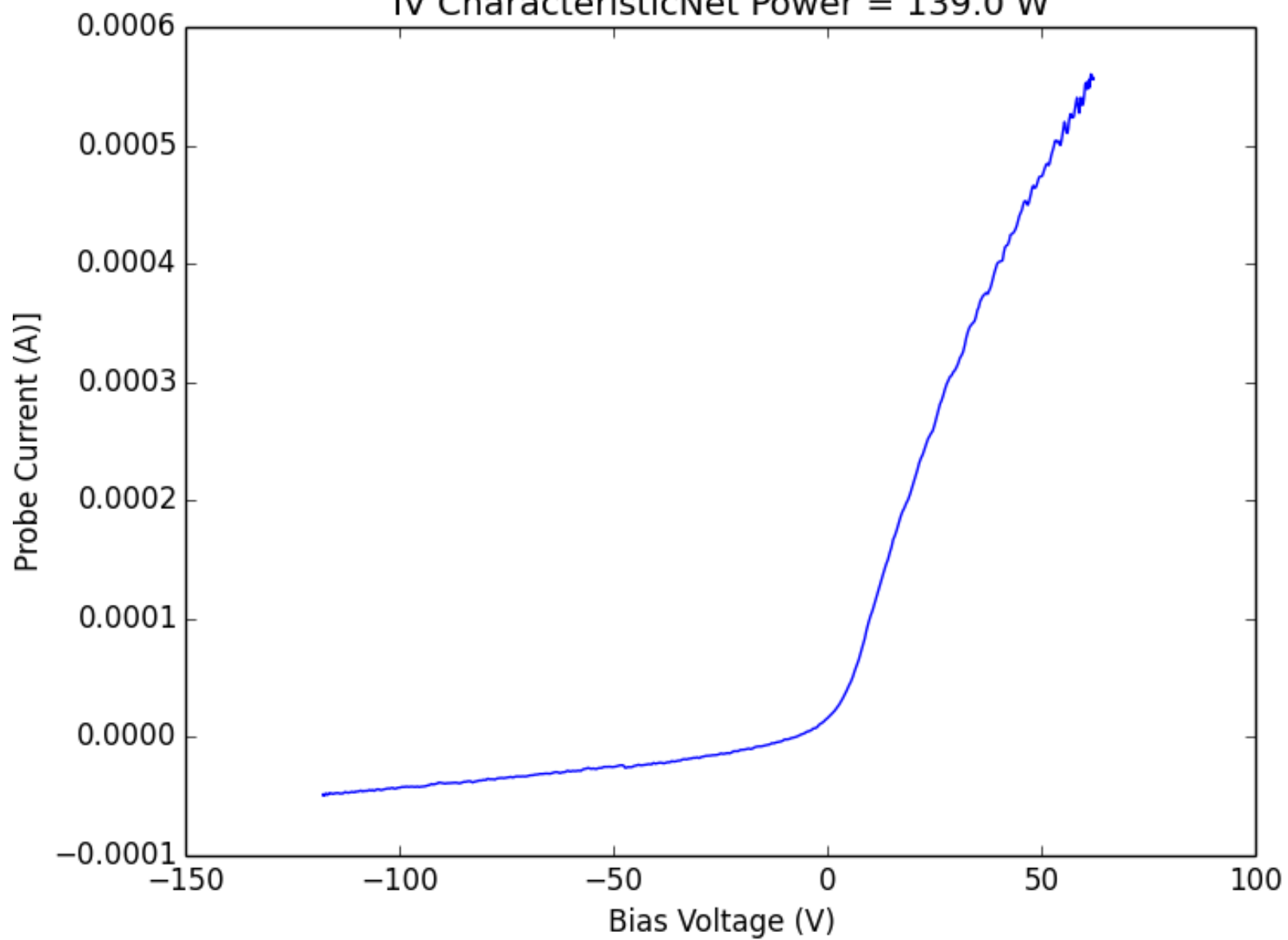


# Conditions:

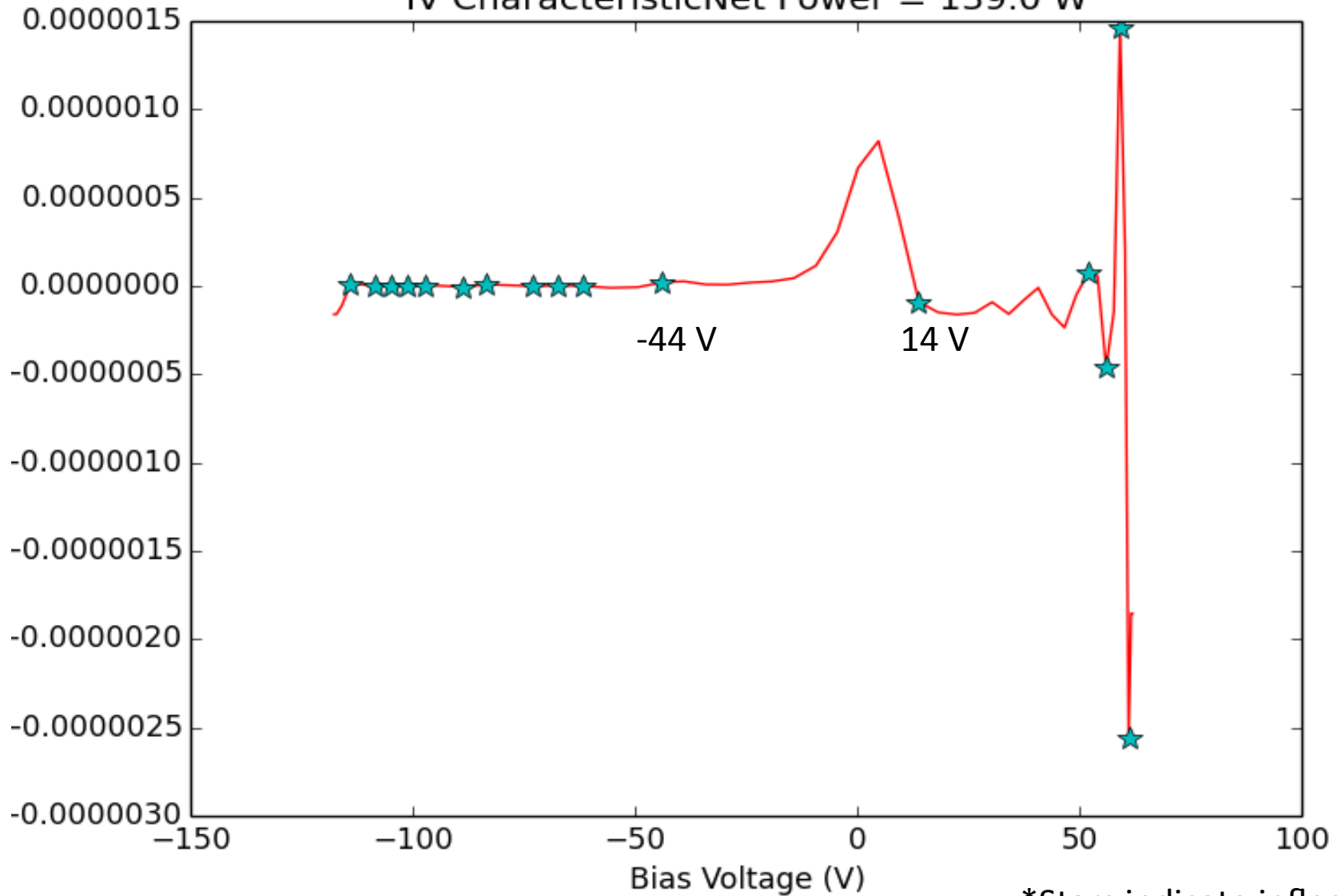
- MC pressure: 0.69 mTorr
- ER pressure: 0.354 mTorr
- Satellite:  $1.6 \times 10^{-5}$  Torr
- Net Power: 139 W,  $p_{\text{forward}}$ : 170W,  $p_{\text{refl}}$ : 31 W
- 27 MHz helicon power
- $R = 0.0$  cm
- Bias from  $\sim -120$  V to  $\sim 65$  V
- Nozzle 300 A, Main 92 A

IV CharacteristicNet Power = 139.0 W



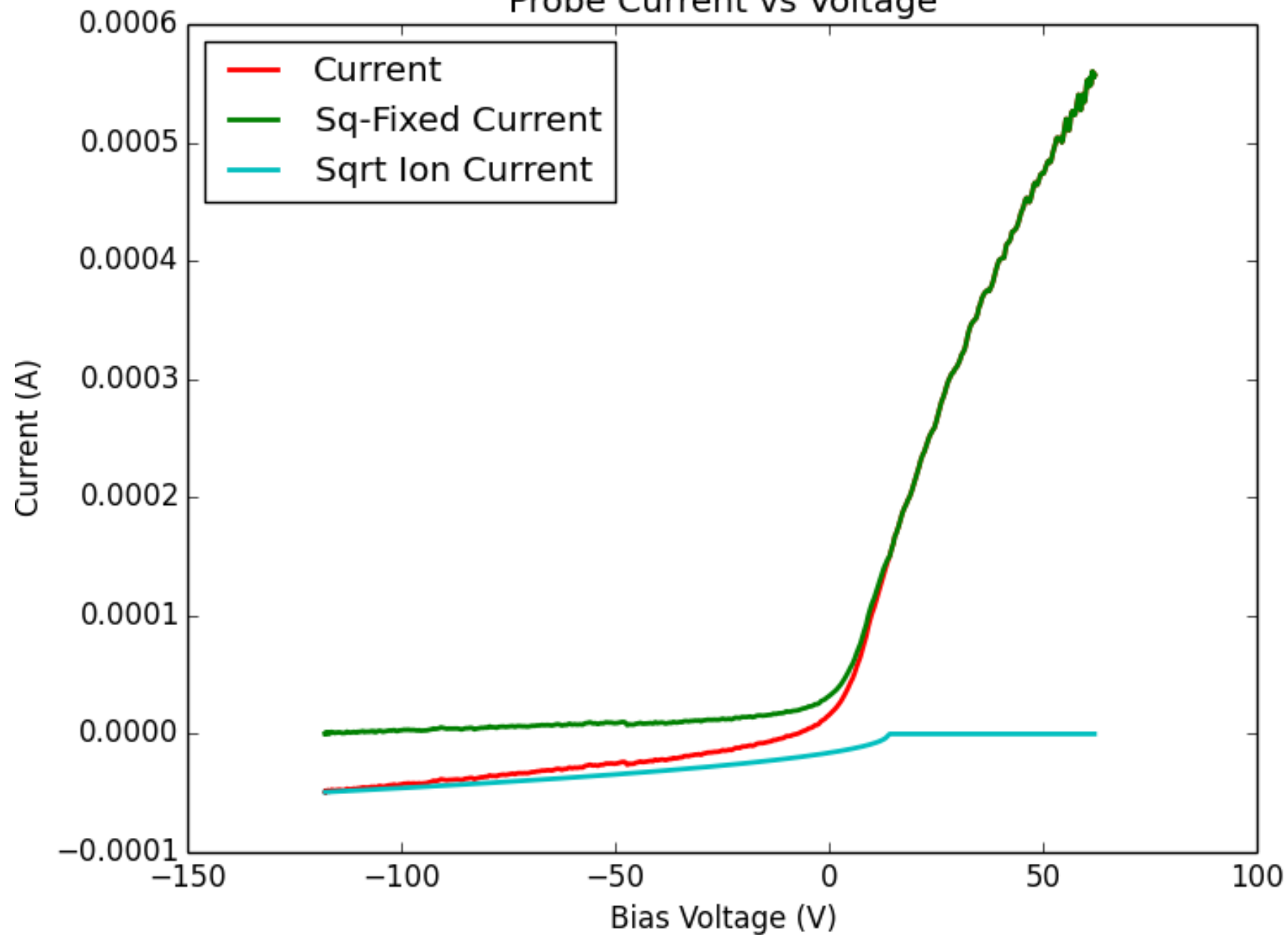
# 2<sup>nd</sup> derivative of Current w/ respect to V

IV CharacteristicNet Power = 139.0 W

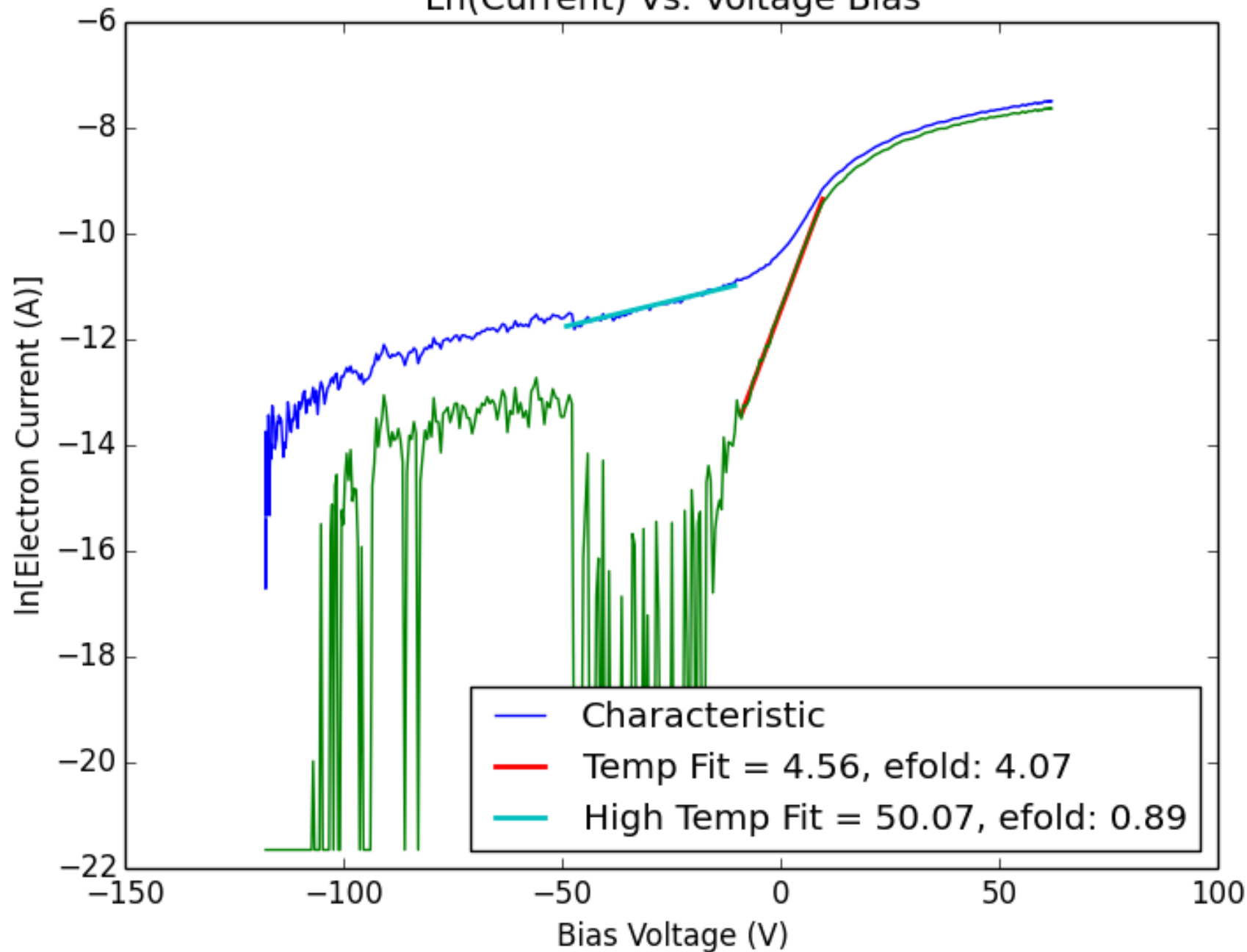


\*Stars indicate inflection point

Probe Current vs Voltage



Ln(Current) Vs. Voltage Bias



(Current) Vs. Voltage Bias

