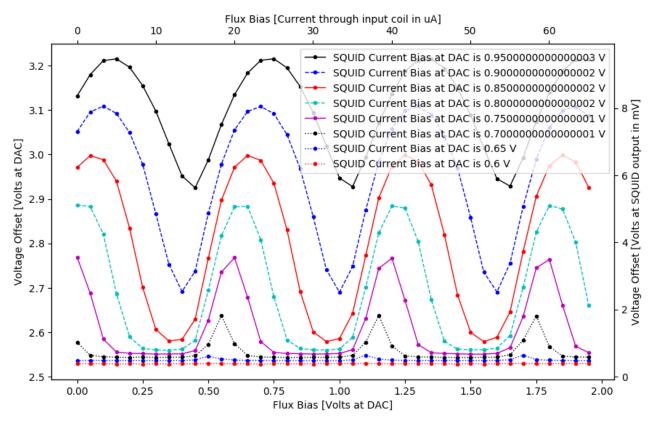
SQUID Tuning Algorithm Output

Target Data

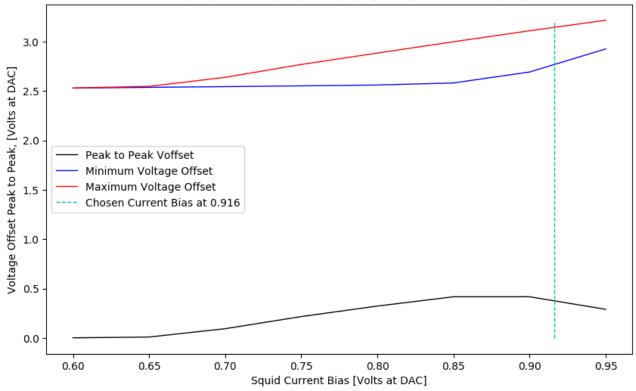
| Full target name | IceCrate(014).IceBoard(10).Mezz(1).SQCB.SQUID Module(4).SQUID |
|------------------|---|
| HWM Name | PB2 HWM |
| HWM Path | /home/polarbear/hardware_maps/polarbear/PB2b/c ommissioning/202305_crate_test/crate_hwm_2023 10_shift_disable_bad_sq.yaml |

Plots

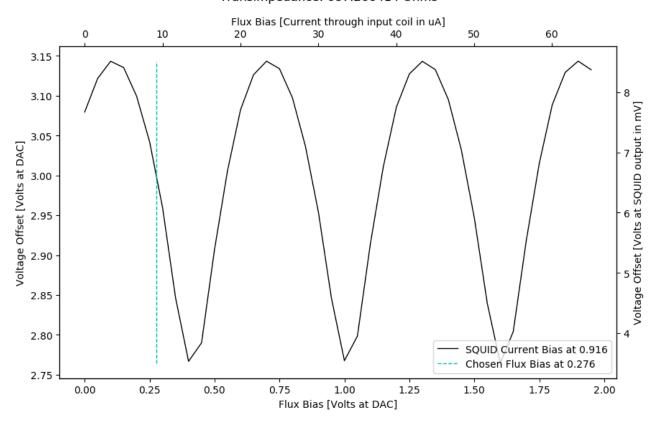
VPhi Plots for a range of current biases lceCrate(014).lceBoard(10).Mezz(1).SQCB.SQUIDModule(4).SQUID



Current Bias Optimization (Voltage Offset Peak-to-Peak vs Current Bias Voltage) IceCrate(014).IceBoard(10).Mezz(1).SQCB.SQUIDModule(4).SQUID



Flux Bias Optimization (For a single V-Phi curve at chosen current bias) IceCrate(014).IceBoard(10).Mezz(1).SQCB.SQUIDModule(4).SQUID Transimpedance: 687.266414 Ohms



Additional Data

| Measured Transimpedance | 687.27 Ohms |
|-------------------------------------|-------------|
| Chosen Flux Bias | 0.28 Volts |
| Chosen Current Bias | 0.92 Volts |
| Peak to Peak at Chosen Current Bias | 0.38 Volts |
| Reference Current Bias Used | Unavailable |

NOTE:

The Flux Bias and Current Bias are given as Voltages at the output of the Flux Bias and Current Bias DACs