Bolometer tuning output (IV-algorithm)

Target Data

Full target name	None.Dfmux(serial=0426).MGMEZZ04(1,None).ReadoutModule(3)
Reduced target name	IceBoard(0426).Mezz(1).ReadoutModule(3)
Date	Mon Feb 25 17:32:43 2019
HWM used	190221_run17b_hwm
Outcome	success

Summary Of Results	
Number of successfully tuned bolometers	0
Number of bolos zeroed before start	37
Number of latched bolometers	0
Number of bolometers which didn't finish tuning	0

Note

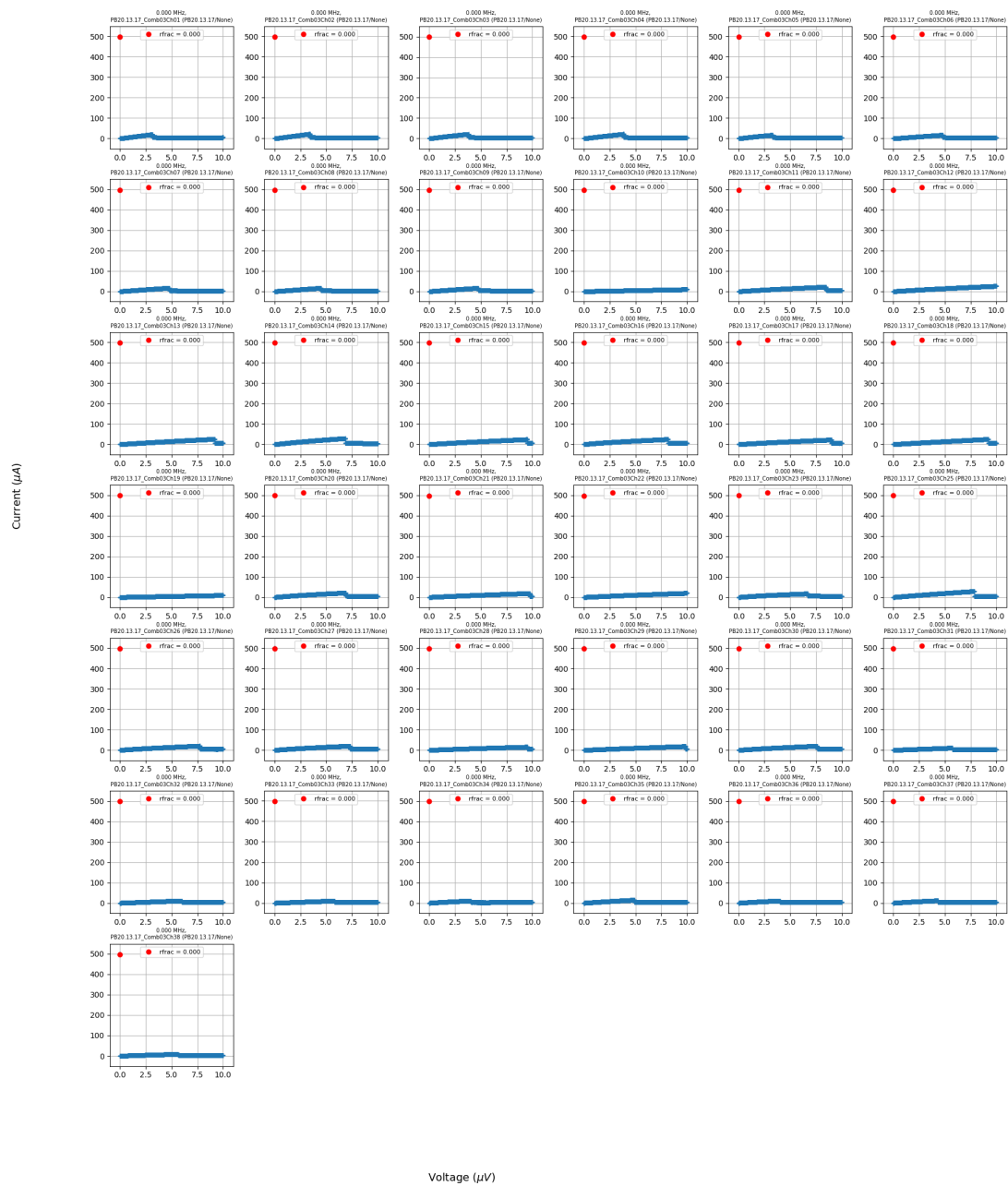All Current, Voltage, and Power quantities expressed as Peak Amplitudes.

To convert Power values to RMS, divide by 2.
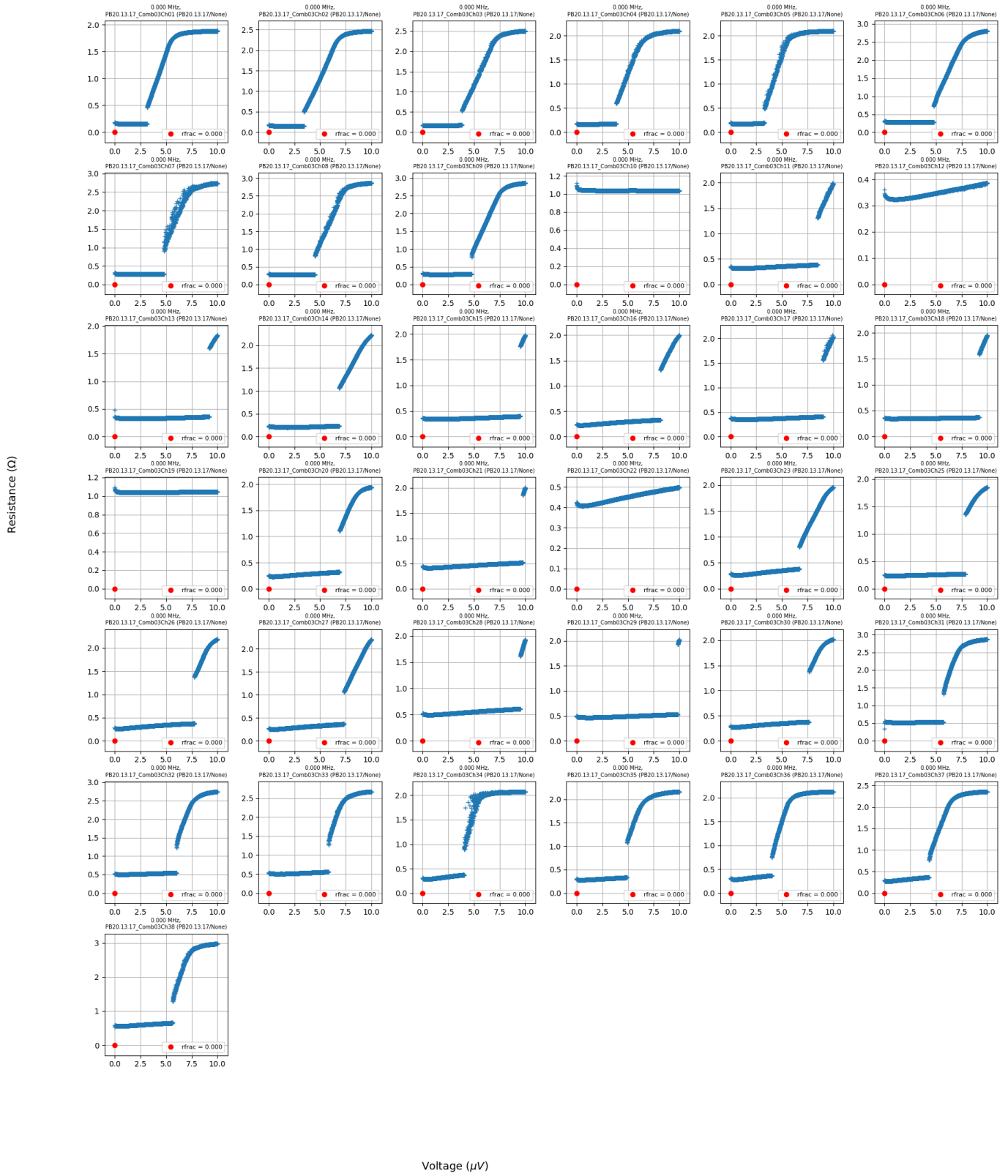
To convert Current or Voltage to RMS, divide by sqrt(2).

Plots

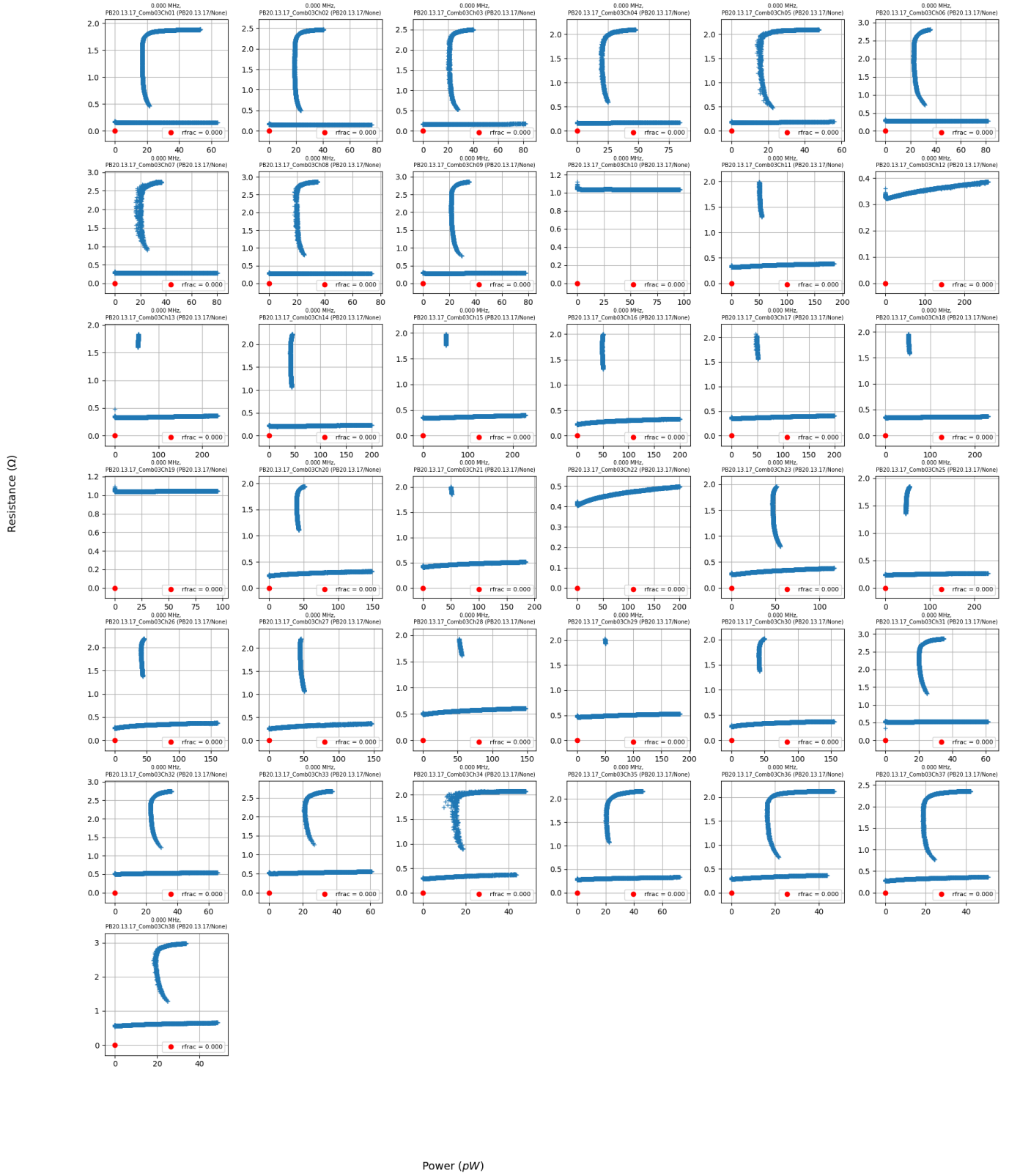IV Curves for tuned bolometers, final state in red

Current (μA)

Voltage (μV)

RV Curves for tuned bolometers, final state in red

Resistance (Ω)

Voltage (μV)

R-P Curves for tuned bolometers, final state in red

Resistance (Ω)

Power (*pW*)

Detailed Summary

Readout Channel	Bolometer	Physical Name	Bias Frequency [Hz]	Final Resistance [Ohms]	Target Rfrac	Acheived Rfrac
1	PB20.13.17_Comb03Ch01	PB20.13.17/None	1618423.46657	0.0000	N/A: target amplitude 0	0.0000
2	PB20.13.17_Comb03Ch02	PB20.13.17/None	1657791.14235	0.0000	N/A: target amplitude 0	0.0000
3	PB20.13.17_Comb03Ch03	PB20.13.17/None	1707611.08864	0.0000	N/A: target amplitude 0	0.0000
4	PB20.13.17_Comb03Ch04	PB20.13.17/None	1761703.49587	0.0000	N/A: target amplitude 0	0.0000
5	PB20.13.17_Comb03Ch05	PB20.13.17/None	1804504.39919	0.0000	N/A: target amplitude 0	0.0000
6	PB20.13.17_Comb03Ch06	PB20.13.17/None	1861572.27028	0.0000	N/A: target amplitude 0	0.0000
7	PB20.13.17_Comb03Ch07	PB20.13.17/None	1916198.73512	0.0000	N/A: target amplitude 0	0.0000
8	PB20.13.17_Comb03Ch08	PB20.13.17/None	1974182.13356	0.0000	N/A: target amplitude 0	0.0000
9	PB20.13.17_Comb03Ch09	PB20.13.17/None	2025604.2527	0.0000	N/A: target amplitude 0	0.0000
10	PB20.13.17_Comb03Ch10	PB20.13.17/None	2080001.83571	0.0000	N/A: target amplitude 0	0.0000
11	PB20.13.17_Comb03Ch11	PB20.13.17/None	2200927.73903	0.0000	N/A: target amplitude 0	0.0000
12	PB20.13.17_Comb03Ch12	PB20.13.17/None	2264633.18337	0.0000	N/A: target amplitude 0	0.0000
13	PB20.13.17_Comb03Ch13	PB20.13.17/None	2320556.64528	0.0000	N/A: target amplitude 0	0.0000
14	PB20.13.17_Comb03Ch14	PB20.13.17/None	2389526.37184	0.0000	N/A: target amplitude 0	0.0000

15	PB20.13.17_Comb03Ch15	PB20.13.17/None	2446899.41872	0.0000	N/A: target amplitude 0	0.0000
16	PB20.13.17_Comb03Ch16	PB20.13.17/None	2518844.60915	0.0000	N/A: target amplitude 0	0.0000
17	PB20.13.17_Comb03Ch17	PB20.13.17/None	2585296.63552	0.0000	N/A: target amplitude 0	0.0000
18	PB20.13.17_Comb03Ch18	PB20.13.17/None	2647399.907	0.0000	N/A: target amplitude 0	0.0000
19	PB20.13.17_Comb03Ch19	PB20.13.17/None	2727203.3738	0.0000	N/A: target amplitude 0	0.0000
20	PB20.13.17_Comb03Ch20	PB20.13.17/None	2790298.46657	0.0000	N/A: target amplitude 0	0.0000
21	PB20.13.17_Comb03Ch21	PB20.13.17/None	2857360.8445	0.0000	N/A: target amplitude 0	0.0000
22	PB20.13.17_Comb03Ch22	PB20.13.17/None	2931671.14724	0.0000	N/A: target amplitude 0	0.0000
23	PB20.13.17_Comb03Ch23	PB20.13.17/None	2999572.75856	0.0000	N/A: target amplitude 0	0.0000
25	PB20.13.17_Comb03Ch25	PB20.13.17/None	3169555.66872	0.0000	N/A: target amplitude 0	0.0000
26	PB20.13.17_Comb03Ch26	PB20.13.17/None	3238296.51345	0.0000	N/A: target amplitude 0	0.0000
27	PB20.13.17_Comb03Ch27	PB20.13.17/None	3324432.3777	0.0000	N/A: target amplitude 0	0.0000
28	PB20.13.17_Comb03Ch28	PB20.13.17/None	3404846.19606	0.0000	N/A: target amplitude 0	0.0000
29	PB20.13.17_Comb03Ch29	PB20.13.17/None	3486633.30544	0.0000	N/A: target amplitude 0	0.0000
30	PB20.13.17_Comb03Ch30	PB20.13.17/None	3569183.35427	0.0000	N/A: target amplitude 0	0.0000
31	PB20.13.17_Comb03Ch31	PB20.13.17/None	3656463.6277	0.0000	N/A: target amplitude 0	0.0000

32	PB20.13.17_Comb03Ch32	PB20.13.17/None	3743896.48903	0.0000	N/A: target amplitude 0	0.0000
33	PB20.13.17_Comb03Ch33	PB20.13.17/None	3835983.28102	0.0000	N/A: target amplitude 0	0.0000
34	PB20.13.17_Comb03Ch34	PB20.13.17/None	3924865.72731	0.0000	N/A: target amplitude 0	0.0000
35	PB20.13.17_Comb03Ch35	PB20.13.17/None	4028167.72927	0.0000	N/A: target amplitude 0	0.0000
36	PB20.13.17_Comb03Ch36	PB20.13.17/None	4114227.29958	0.0000	N/A: target amplitude 0	0.0000
37	PB20.13.17_Comb03Ch37	PB20.13.17/None	4204711.91872	0.0000	N/A: target amplitude 0	0.0000
38	PB20.13.17_Comb03Ch38	PB20.13.17/None	4319534.30641	0.0000	N/A: target amplitude 0	0.0000