Bolometer tuning output (IV-algorithm)

Target Data

Full target name	None.Dfmux(serial=0441).MGMEZZ04(1,None).ReadoutModule(3)
Reduced target name	IceBoard(0441).Mezz(1).ReadoutModule(3)
Date	Mon Feb 25 17:33:32 2019
HWM used	190221_run17b_hwm
Outcome	success

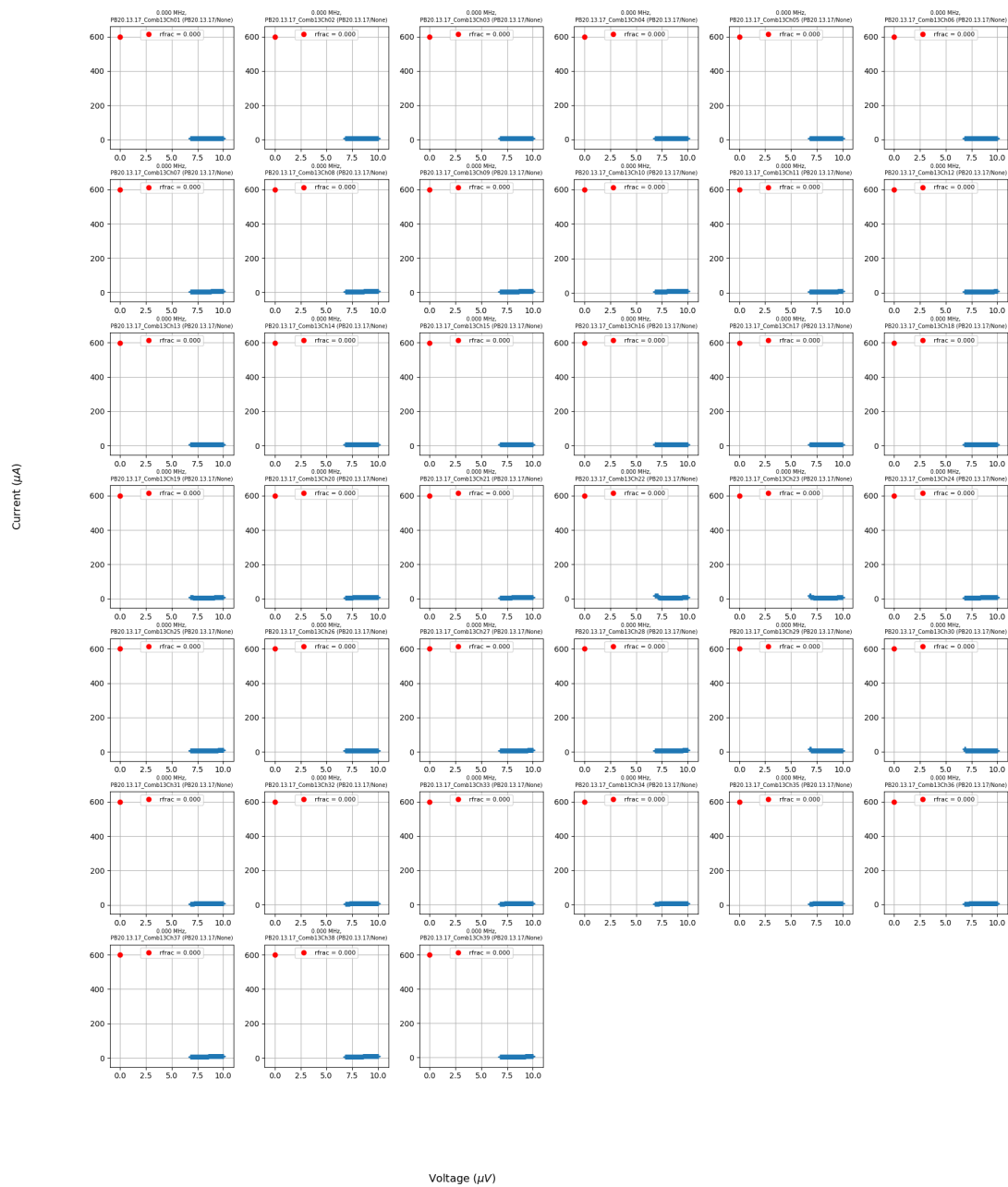| Summary Of Results	
Number of successfully tuned bolometers	0
Number of bolos zeroed before start	39
Number of latched bolometers	0
Number of bolometers which didn't finish tuning	0

Note

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

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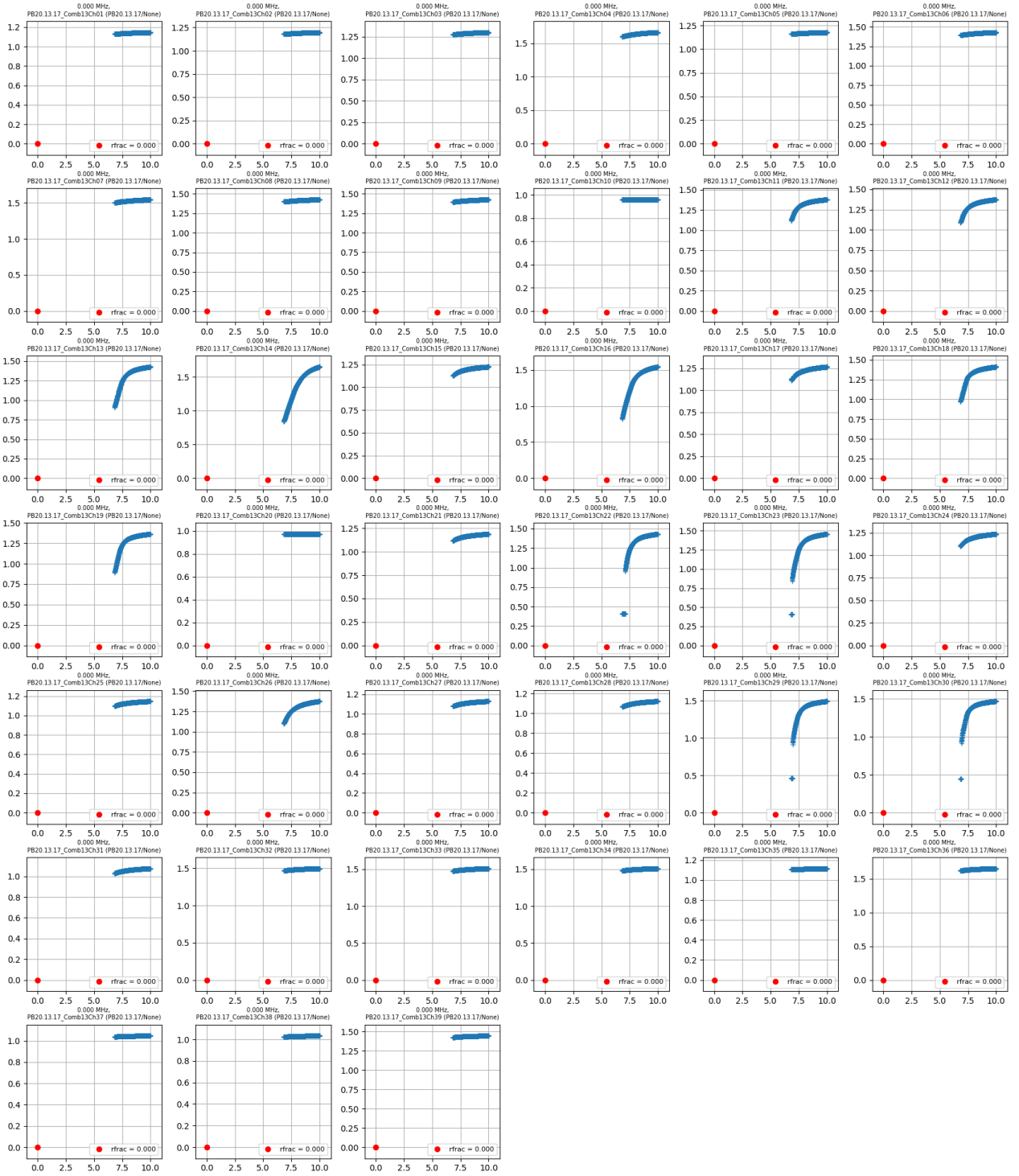
To convert Current or Voltage to RMS, divide by sqrt(2).

Plots

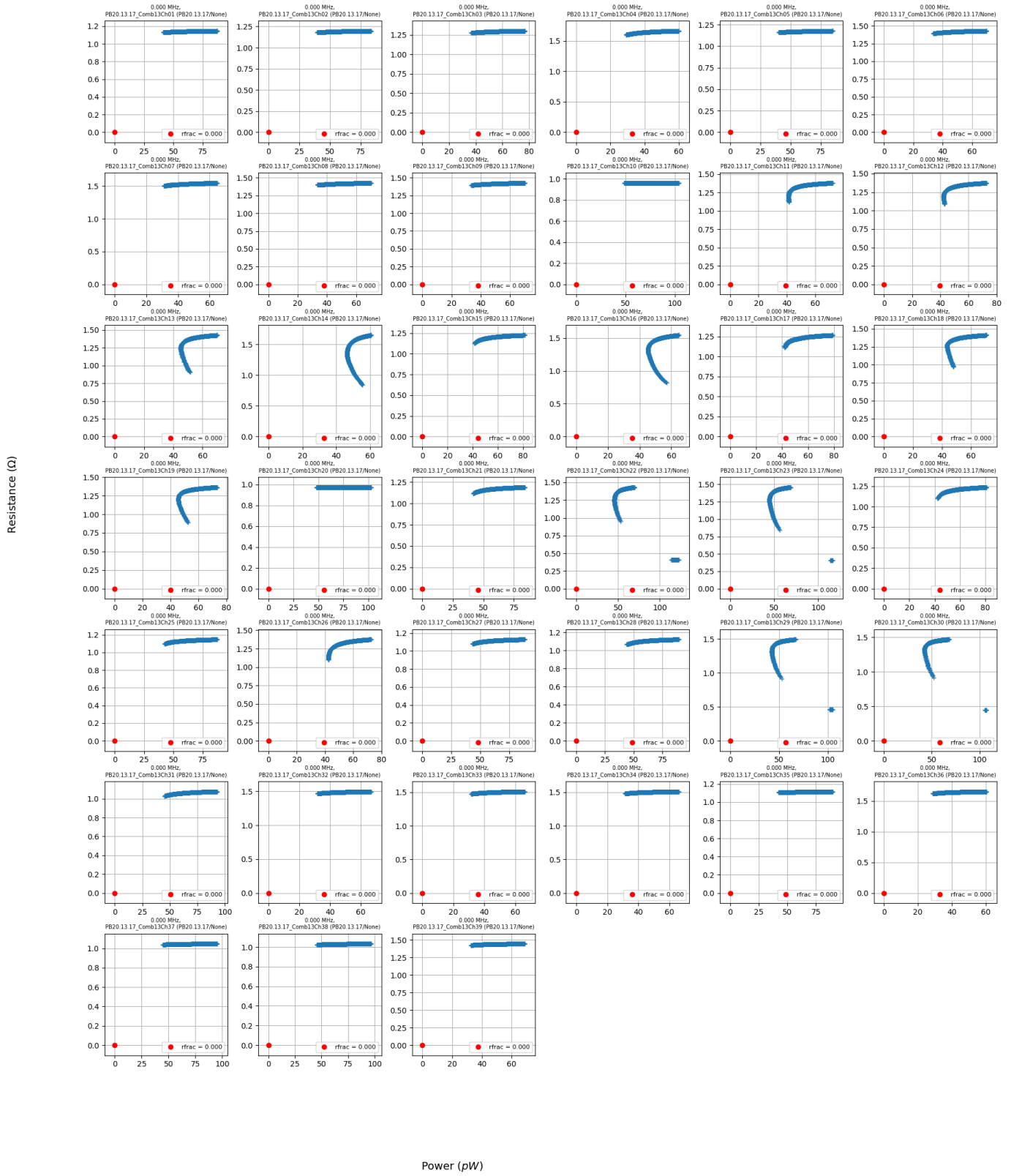IV Curves for tuned bolometers, final state in red

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_Comb13Ch01	PB20.13.17/None	1685180.66872	0.0000	N/A: target amplitude 0	0.0000
2	PB20.13.17_Comb13Ch02	PB20.13.17/None	1733398.44216	0.0000	N/A: target amplitude 0	0.0000
3	PB20.13.17_Comb13Ch03	PB20.13.17/None	1782379.15505	0.0000	N/A: target amplitude 0	0.0000
4	PB20.13.17_Comb13Ch04	PB20.13.17/None	1834487.9197	0.0000	N/A: target amplitude 0	0.0000
5	PB20.13.17_Comb13Ch05	PB20.13.17/None	1890029.91188	0.0000	N/A: target amplitude 0	0.0000
6	PB20.13.17_Comb13Ch06	PB20.13.17/None	1944503.78884	0.0000	N/A: target amplitude 0	0.0000
7	PB20.13.17_Comb13Ch07	PB20.13.17/None	1995162.96852	0.0000	N/A: target amplitude 0	0.0000
8	PB20.13.17_Comb13Ch08	PB20.13.17/None	2059402.47048	0.0000	N/A: target amplitude 0	0.0000
9	PB20.13.17_Comb13Ch09	PB20.13.17/None	2113189.70192	0.0000	N/A: target amplitude 0	0.0000
10	PB20.13.17_Comb13Ch10	PB20.13.17/None	2177429.20388	0.0000	N/A: target amplitude 0	0.0000
11	PB20.13.17_Comb13Ch11	PB20.13.17/None	2231216.43532	0.0000	N/A: target amplitude 0	0.0000
12	PB20.13.17_Comb13Ch12	PB20.13.17/None	2296371.46462	0.0000	N/A: target amplitude 0	0.0000
13	PB20.13.17_Comb13Ch13	PB20.13.17/None	2362136.84548	0.0000	N/A: target amplitude 0	0.0000
14	PB20.13.17_Comb13Ch14	PB20.13.17/None	2429504.39919	0.0000	N/A: target amplitude 0	0.0000

15	PB20.13.17_Comb13Ch15	PB20.13.17/None	2482299.80934	0.0000	N/A: target amplitude 0	0.0000
16	PB20.13.17_Comb13Ch16	PB20.13.17/None	2564468.38845	0.0000	N/A: target amplitude 0	0.0000
17	PB20.13.17_Comb13Ch17	PB20.13.17/None	2625808.72048	0.0000	N/A: target amplitude 0	0.0000
18	PB20.13.17_Comb13Ch18	PB20.13.17/None	2688446.04958	0.0000	N/A: target amplitude 0	0.0000
19	PB20.13.17_Comb13Ch19	PB20.13.17/None	2779846.19606	0.0000	N/A: target amplitude 0	0.0000
20	PB20.13.17_Comb13Ch20	PB20.13.17/None	2844543.46169	0.0000	N/A: target amplitude 0	0.0000
21	PB20.13.17_Comb13Ch21	PB20.13.17/None	2903518.68141	0.0000	N/A: target amplitude 0	0.0000
22	PB20.13.17_Comb13Ch22	PB20.13.17/None	2989578.25173	0.0000	N/A: target amplitude 0	0.0000
23	PB20.13.17_Comb13Ch23	PB20.13.17/None	3061141.97243	0.0000	N/A: target amplitude 0	0.0000
24	PB20.13.17_Comb13Ch24	PB20.13.17/None	3126983.64724	0.0000	N/A: target amplitude 0	0.0000
25	PB20.13.17_Comb13Ch25	PB20.13.17/None	3218307.49977	0.0000	N/A: target amplitude 0	0.0000
26	PB20.13.17_Comb13Ch26	PB20.13.17/None	3291015.62966	0.0000	N/A: target amplitude 0	0.0000
27	PB20.13.17_Comb13Ch27	PB20.13.17/None	3378524.78493	0.0000	N/A: target amplitude 0	0.0000
28	PB20.13.17_Comb13Ch28	PB20.13.17/None	3467254.64333	0.0000	N/A: target amplitude 0	0.0000
29	PB20.13.17_Comb13Ch29	PB20.13.17/None	3548126.22536	0.0000	N/A: target amplitude 0	0.0000
30	PB20.13.17_Comb13Ch30	PB20.13.17/None	3611221.31813	0.0000	N/A: target amplitude 0	0.0000

31	PB20.13.17_Comb13Ch31	PB20.13.17/None	3733215.33669	0.0000	N/A: target amplitude 0	0.0000
32	PB20.13.17_Comb13Ch32	PB20.13.17/None	3819656.37673	0.0000	N/A: target amplitude 0	0.0000
33	PB20.13.17_Comb13Ch33	PB20.13.17/None	3910064.70192	0.0000	N/A: target amplitude 0	0.0000
34	PB20.13.17_Comb13Ch34	PB20.13.17/None	3996353.15407	0.0000	N/A: target amplitude 0	0.0000
35	PB20.13.17_Comb13Ch35	PB20.13.17/None	4086303.71559	0.0000	N/A: target amplitude 0	0.0000
36	PB20.13.17_Comb13Ch36	PB20.13.17/None	4174499.51638	0.0000	N/A: target amplitude 0	0.0000
37	PB20.13.17_Comb13Ch37	PB20.13.17/None	4287109.37966	0.0000	N/A: target amplitude 0	0.0000
38	PB20.13.17_Comb13Ch38	PB20.13.17/None	4371109.01345	0.0000	N/A: target amplitude 0	0.0000
39	PB20.13.17_Comb13Ch39	PB20.13.17/None	4482955.93727	0.0000	N/A: target amplitude 0	0.0000