Bolometer tuning output (IV-algorithm)

Target Data

Full target name	None.Dfmux(serial=0437).MGMEZZ04(1,None).ReadoutModule(2)
Reduced target name	IceBoard(0437).Mezz(1).ReadoutModule(2)
Date	Mon Feb 25 17:31:33 2019
HWM used	190221_run17b_hwm
Outcome	success

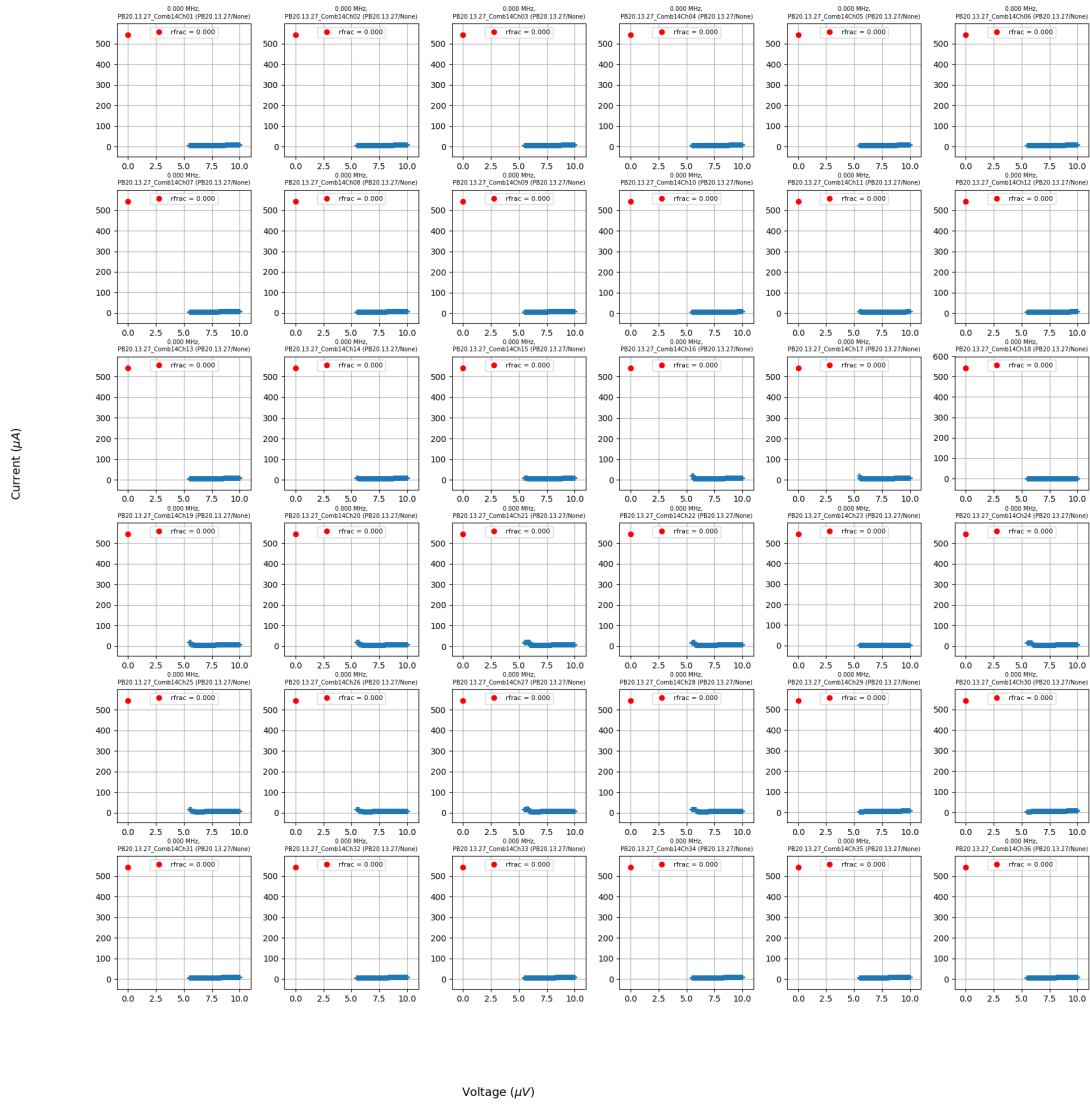| Summary Of Results	
Number of successfully tuned bolometers	0
Number of bolos zeroed before start	36
Number of latched bolometers	0
Number of bolometers which didn't finish tuning	0

Note

All Current, Voltage, and Power quantities expressed as Peak Amplitudes.
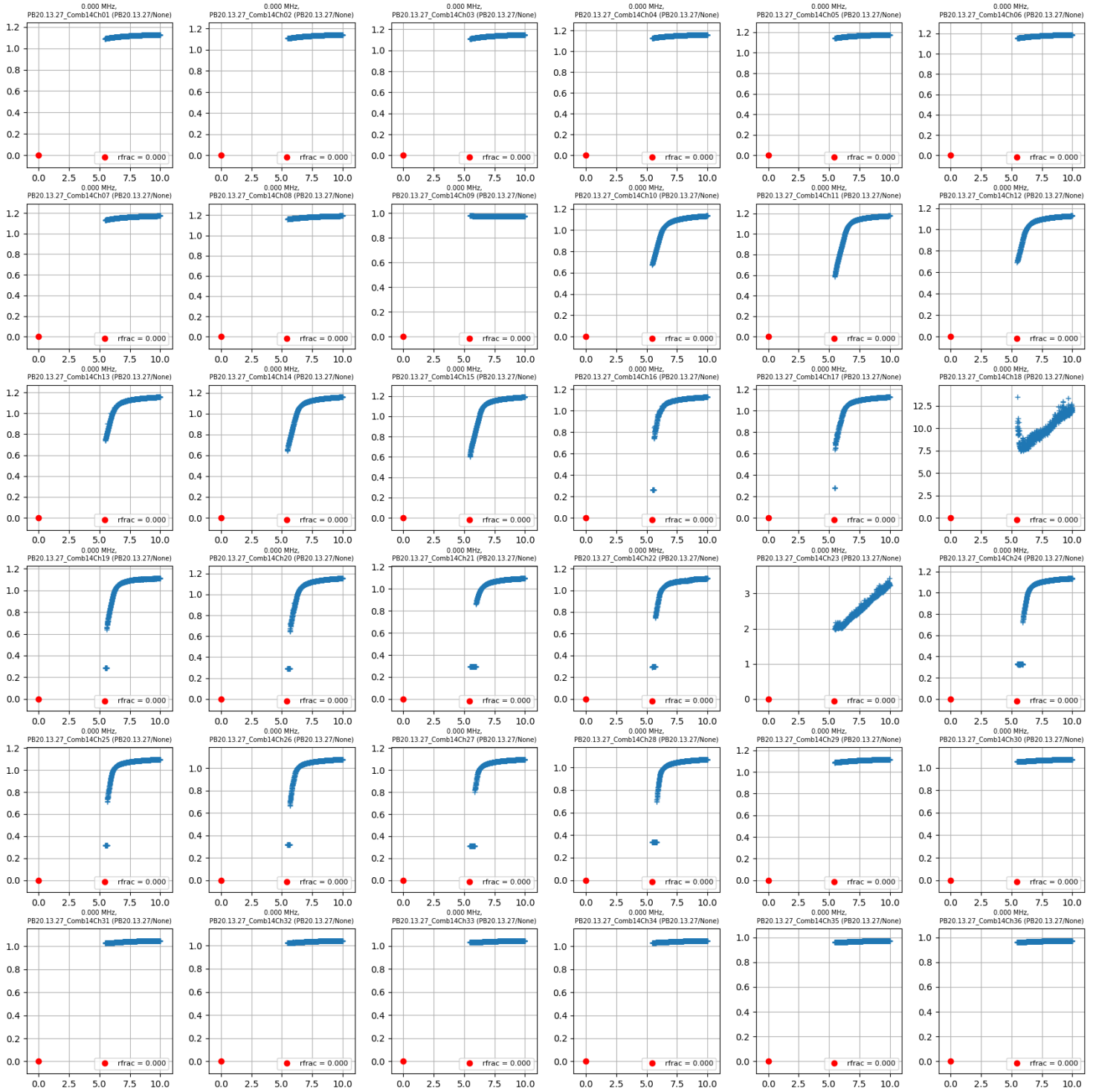
To convert Power values to RMS, divide by 2.

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

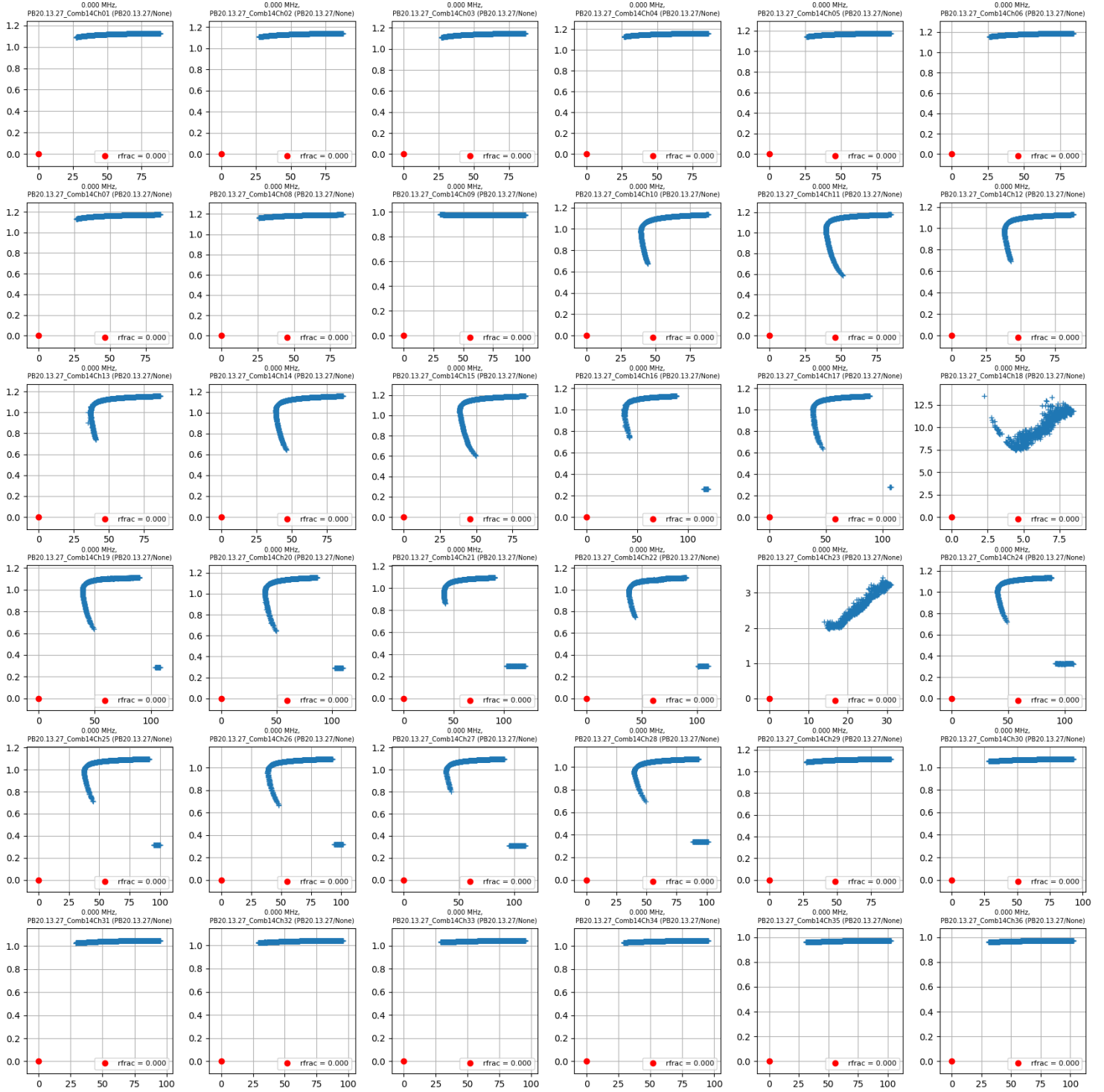# Plots

IV Curves for tuned bolometers, final state in red

Current (μA)

Voltage (μV)

RV Curves for tuned bolometers, final state in red

Voltage (μV)

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

Power (pW)

Detailed Summary

Readout Channel	Bolometer	Physical Name	Bias Frequency [Hz]	Final Resistance [Ohms]	Target Rfrac	Acheived Rfrac
1	PB20.13.27_Comb14Ch01	PB20.13.27/None	1595306.40114	0.0000	N/A: target amplitude 0	0.0000
2	PB20.13.27_Comb14Ch02	PB20.13.27/None	1645431.52321	0.0000	N/A: target amplitude 0	0.0000
3	PB20.13.27_Comb14Ch03	PB20.13.27/None	1695327.76345	0.0000	N/A: target amplitude 0	0.0000
4	PB20.13.27_Comb14Ch04	PB20.13.27/None	1744689.94606	0.0000	N/A: target amplitude 0	0.0000
5	PB20.13.27_Comb14Ch05	PB20.13.27/None	1795043.94997	0.0000	N/A: target amplitude 0	0.0000
6	PB20.13.27_Comb14Ch06	PB20.13.27/None	1844253.5447	0.0000	N/A: target amplitude 0	0.0000
7	PB20.13.27_Comb14Ch07	PB20.13.27/None	1897201.54274	0.0000	N/A: target amplitude 0	0.0000
8	PB20.13.27_Comb14Ch08	PB20.13.27/None	1953964.23806	0.0000	N/A: target amplitude 0	0.0000
9	PB20.13.27_Comb14Ch09	PB20.13.27/None	2070465.09255	0.0000	N/A: target amplitude 0	0.0000
10	PB20.13.27_Comb14Ch10	PB20.13.27/None	2121582.03591	0.0000	N/A: target amplitude 0	0.0000
11	PB20.13.27_Comb14Ch11	PB20.13.27/None	2174911.50368	0.0000	N/A: target amplitude 0	0.0000
12	PB20.13.27_Comb14Ch12	PB20.13.27/None	2242889.40895	0.0000	N/A: target amplitude 0	0.0000
13	PB20.13.27_Comb14Ch13	PB20.13.27/None	2297592.16774	0.0000	N/A: target amplitude 0	0.0000
14	PB20.13.27_Comb14Ch14	PB20.13.27/None	2371444.70681	0.0000	N/A: target amplitude 0	0.0000

15	PB20.13.27_Comb14Ch15	PB20.13.27/ None	2414016.72829	0.0000	N/A: target amplitude 0	0.0000
16	PB20.13.27_Comb14Ch16	PB20.13.27/ None	2547760.01442	0.0000	N/A: target amplitude 0	0.0000
17	PB20.13.27_Comb14Ch17	PB20.13.27/ None	2608261.11306	0.0000	N/A: target amplitude 0	0.0000
18	PB20.13.27_Comb14Ch18	PB20.13.27/ None	2701568.60817	0.0000	N/A: target amplitude 0	0.0000
19	PB20.13.27_Comb14Ch19	PB20.13.27/ None	2772903.44704	0.0000	N/A: target amplitude 0	0.0000
20	PB20.13.27_Comb14Ch20	PB20.13.27/ None	2817001.34743	0.0000	N/A: target amplitude 0	0.0000
21	PB20.13.27_Comb14Ch21	PB20.13.27/ None	2988586.43044	0.0000	N/A: target amplitude 0	0.0000
22	PB20.13.27_Comb14Ch22	PB20.13.27/ None	3072280.88845	0.0000	N/A: target amplitude 0	0.0000
23	PB20.13.27_Comb14Ch23	PB20.13.27/ None	3128585.82009	0.0000	N/A: target amplitude 0	0.0000
24	PB20.13.27_Comb14Ch24	PB20.13.27/ None	3206710.82009	0.0000	N/A: target amplitude 0	0.0000
25	PB20.13.27_Comb14Ch25	PB20.13.27/ None	3298568.73024	0.0000	N/A: target amplitude 0	0.0000
26	PB20.13.27_Comb14Ch26	PB20.13.27/ None	3363647.46559	0.0000	N/A: target amplitude 0	0.0000
27	PB20.13.27_Comb14Ch27	PB20.13.27/ None	3429870.61013	0.0000	N/A: target amplitude 0	0.0000
28	PB20.13.27_Comb14Ch28	PB20.13.27/ None	3533172.61208	0.0000	N/A: target amplitude 0	0.0000
29	PB20.13.27_Comb14Ch29	PB20.13.27/ None	3597030.64431	0.0000	N/A: target amplitude 0	0.0000
30	PB20.13.27_Comb14Ch30	PB20.13.27/ None	3686828.61794	0.0000	N/A: target amplitude 0	0.0000

31	PB20.13.27_Comb14Ch31	PB20.13.27/None	3769683.84255	0.0000	N/A: target amplitude 0	0.0000
32	PB20.13.27_Comb14Ch32	PB20.13.27/None	3900222.78298	0.0000	N/A: target amplitude 0	0.0000
33	PB20.13.27_Comb14Ch33	PB20.13.27/None	3981781.01052	0.0000	N/A: target amplitude 0	0.0000
34	PB20.13.27_Comb14Ch34	PB20.13.27/None	4079818.73024	0.0000	N/A: target amplitude 0	0.0000
35	PB20.13.27_Comb14Ch35	PB20.13.27/None	4226913.45681	0.0000	N/A: target amplitude 0	0.0000
36	PB20.13.27_Comb14Ch36	PB20.13.27/None	4328155.52223	0.0000	N/A: target amplitude 0	0.0000