Bolometer tuning output (IV-algorithm)

Target Data

Full target name	None.Dfmux(serial=0028).MGMEZZ04(2,None).ReadoutModule(4)
Reduced target name	IceBoard(0028).Mezz(2).ReadoutModule(4)
Date	Sun Aug 6 17:56:08 2017
HWM used	Hwm
Outcome	success

Summary Of Results	
Number of successfully tuned bolometers	56
Number of bolos zeroed before start	0
Number of latched bolometers	0
Number of bolometers which didn't finish tuning	0

Note

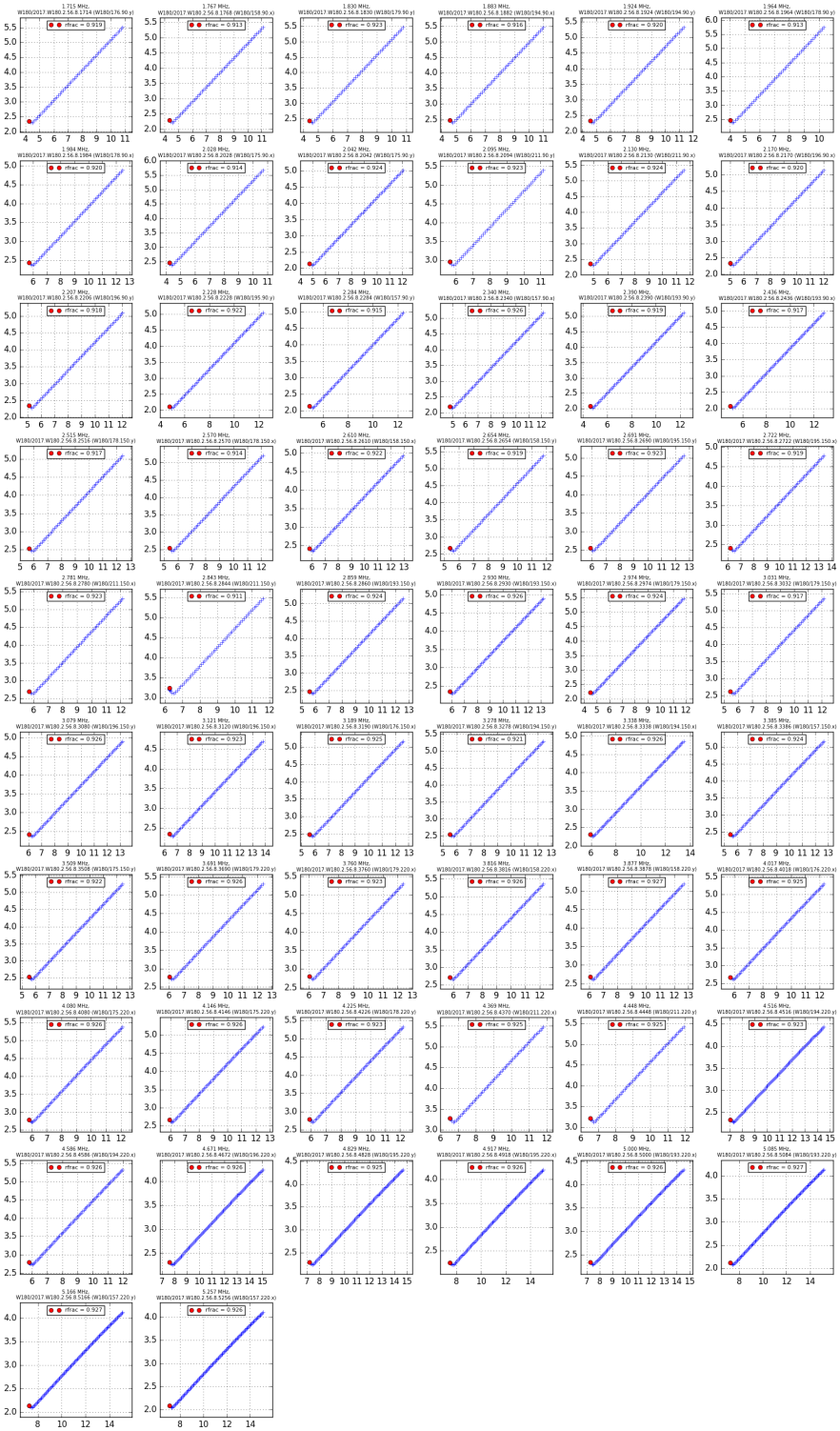
All Current, Voltage, and Power quantities expressed as Peak Amplitudes.

To convert Power values to RMS, divide by 2.

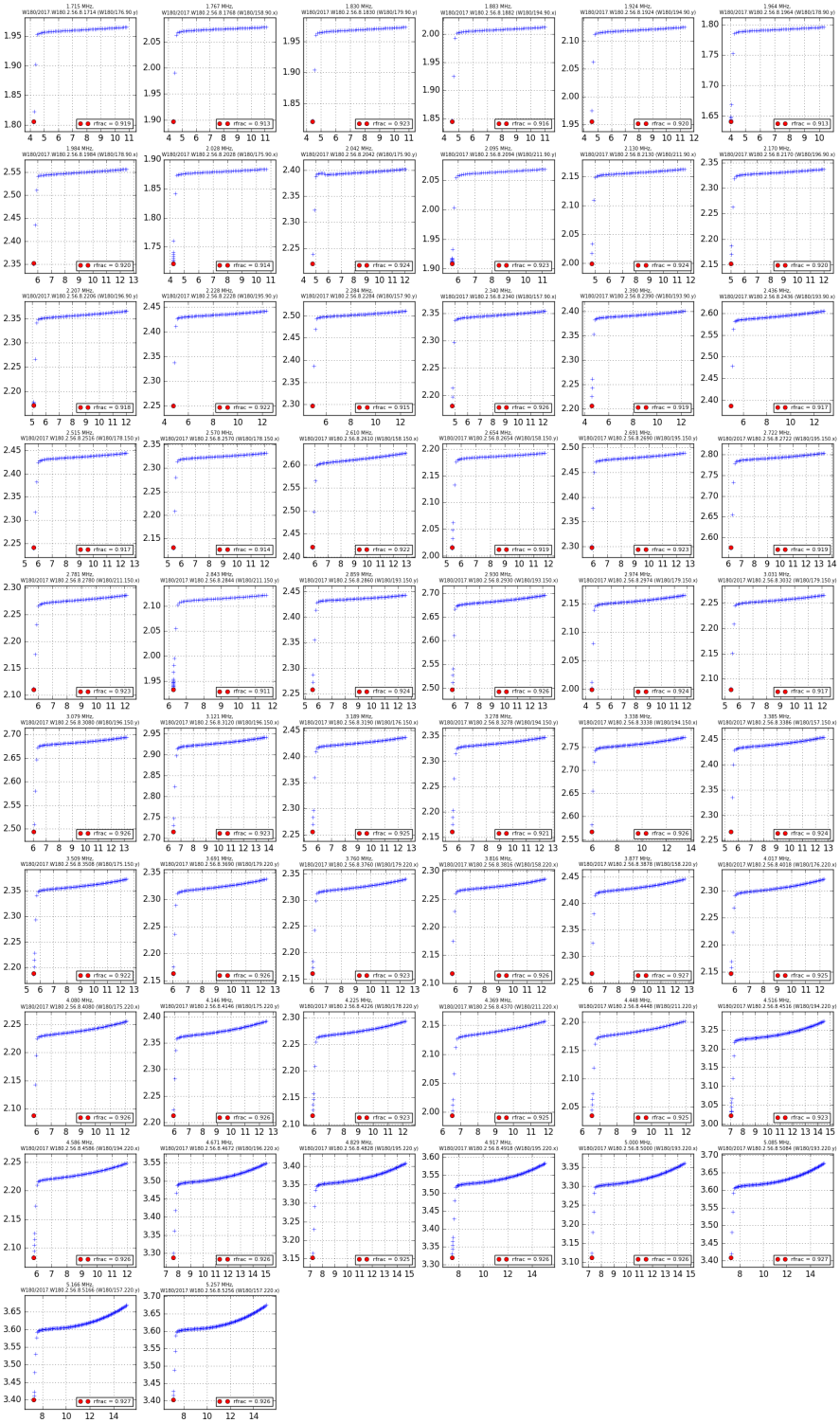
To convert Current or Voltage to RMS, divide by sqrt(2).

Plots

IV Curves for tuned bolometers, final state in red



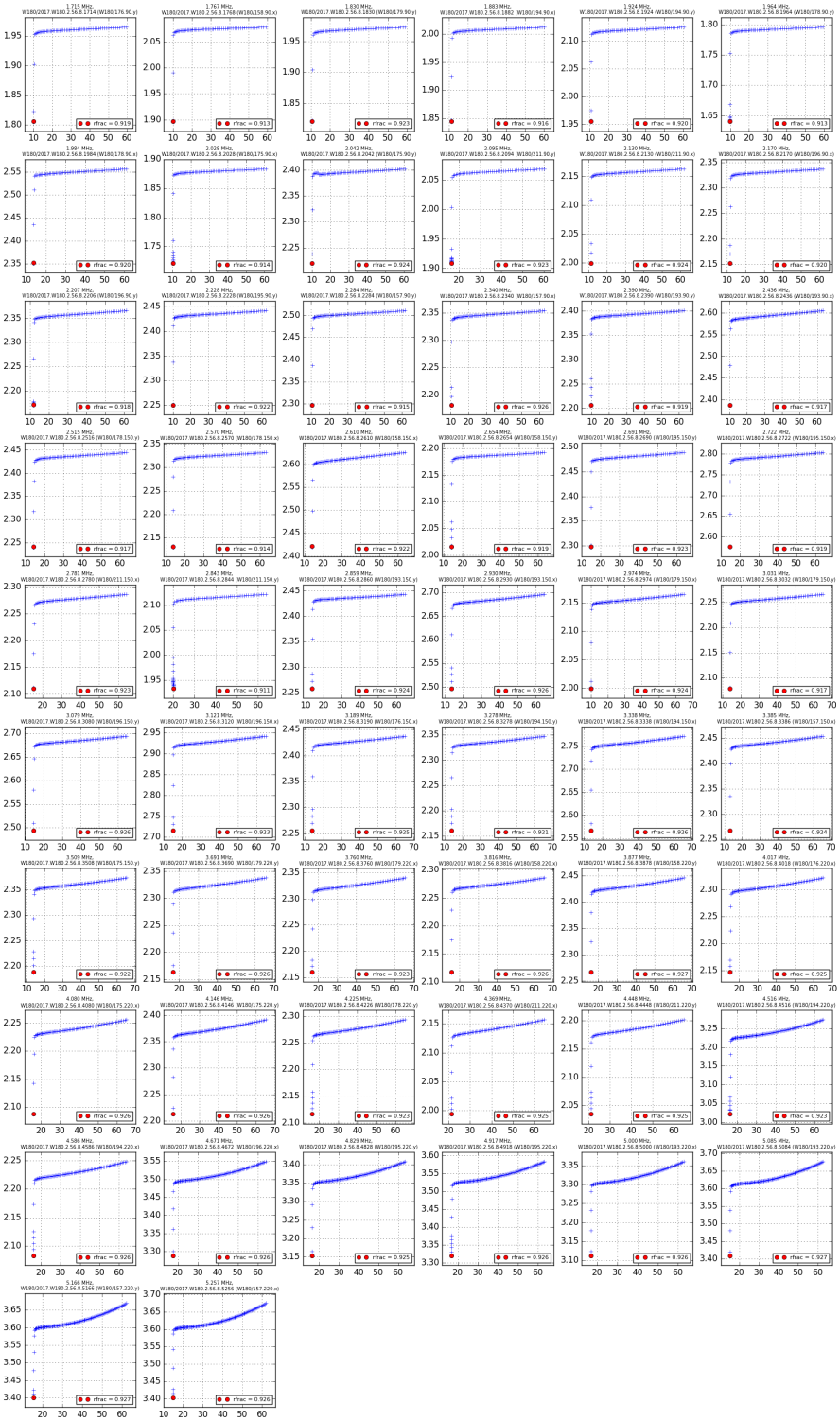
RV Curves for tuned bolometers, final state in red



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	W180/2017.W180.2.56.8.1714	W180/176.90.y	1714782.7195	1.8056	0.9	0.9187
2	W180/2017.W180.2.56.8.1768	W180/158.90.x	1767044.07204	1.8967	0.9	0.9126
3	W180/2017.W180.2.56.8.1830	W180/179.90.y	1829605.1072	1.8209	0.9	0.9230
4	W180/2017.W180.2.56.8.1882	W180/194.90.x	1882553.10524	1.8442	0.9	0.9163
5	W180/2017.W180.2.56.8.1924	W180/194.90.y	1923980.71755	1.9553	0.9	0.9201
6	W180/2017.W180.2.56.8.1964	W180/178.90.y	1963500.98122	1.6403	0.9	0.9134
7	W180/2017.W180.2.56.8.1984	W180/178.90.x	1983642.58278	2.3521	0.9	0.9201
8	W180/2017.W180.2.56.8.2028	W180/175.90.x	2027511.60134	1.7211	0.9	0.9138
9	W180/2017.W180.2.56.8.2042	W180/175.90.y	2041778.56911	2.2199	0.9	0.9242
10	W180/2017.W180.2.56.8.2094	W180/211.90.y	2094650.27321	1.9085	0.9	0.9226
11	W180/2017.W180.2.56.8.2130	W180/211.90.x	2130126.95778	1.9995	0.9	0.9241
12	W180/2017.W180.2.56.8.2170	W180/196.90.x	2170257.57302	2.1516	0.9	0.9205
13	W180/2017.W180.2.56.8.2206	W180/196.90.y	2206954.96071	2.1715	0.9	0.9180
14	W180/2017.W180.2.56.8.2228	W180/195.90.y	2227935.79567	2.2505	0.9	0.9216

15	W180/2017.W180.2.56.8.2284	W180/157.90.y	2283859.25759	2.2972	0.9	0.9151
16	W180/2017.W180.2.56.8.2340	W180/157.90.x	2340316.77712	2.1806	0.9	0.9261
17	W180/2017.W180.2.56.8.2390	W180/193.90.y	2389984.13552	2.2063	0.9	0.9191
18	W180/2017.W180.2.56.8.2436	W180/193.90.x	2435989.38454	2.3878	0.9	0.9165
19	W180/2017.W180.2.56.8.2516	W180/178.150.y	2515106.20583	2.2407	0.9	0.9166
20	W180/2017.W180.2.56.8.2570	W180/178.150.x	2570114.1404	2.1309	0.9	0.9139
21	W180/2017.W180.2.56.8.2610	W180/158.150.x	2610168.46169	2.4212	0.9	0.9221
22	W180/2017.W180.2.56.8.2654	W180/158.150.y	2654190.06813	2.0153	0.9	0.9192
23	W180/2017.W180.2.56.8.2690	W180/195.150.y	2690734.86794	2.2976	0.9	0.9230
24	W180/2017.W180.2.56.8.2722	W180/195.150.x	2721786.50368	2.5763	0.9	0.9191
25	W180/2017.W180.2.56.8.2780	W180/211.150.x	2780609.13552	2.1099	0.9	0.9230
26	W180/2017.W180.2.56.8.2844	W180/211.150.y	2843475.34645	1.9326	0.9	0.9107
27	W180/2017.W180.2.56.8.2860	W180/193.150.y	2859344.48708	2.2578	0.9	0.9241
28	W180/2017.W180.2.56.8.2930	W180/193.150.x	2930297.85622	2.4966	0.9	0.9261
29	W180/2017.W180.2.56.8.2974	W180/179.150.x	2974014.28688	1.9997	0.9	0.9238
30	W180/2017.W180.2.56.8.3032	W180/179.150.y	3031387.33376	2.0782	0.9	0.9170

31	W180/2017.W180.2.56.8.3080	W180/196.150.y	3079376.22536	2.4944	0.9	0.9258
32	W180/2017.W180.2.56.8.3120	W180/196.150.x	3120803.83766	2.7157	0.9	0.9232
33	W180/2017.W180.2.56.8.3190	W180/176.150.x	3189315.80056	2.2553	0.9	0.9253
34	W180/2017.W180.2.56.8.3278	W180/194.150.y	3277893.07106	2.1615	0.9	0.9209
35	W180/2017.W180.2.56.8.3338	W180/194.150.x	3338012.69997	2.5675	0.9	0.9264
36	W180/2017.W180.2.56.8.3386	W180/157.150.x	3385391.24001	2.2671	0.9	0.9235
37	W180/2017.W180.2.56.8.3508	W180/175.150.y	3508911.13747	2.1884	0.9	0.9223
38	W180/2017.W180.2.56.8.3690	W180/179.220.y	3690719.60915	2.1633	0.9	0.9255
39	W180/2017.W180.2.56.8.3760	W180/179.220.x	3759994.51149	2.1600	0.9	0.9229
40	W180/2017.W180.2.56.8.3816	W180/158.220.x	3815689.09157	2.1172	0.9	0.9262
41	W180/2017.W180.2.56.8.3878	W180/158.220.y	3877029.4236	2.2669	0.9	0.9269
42	W180/2017.W180.2.56.8.4018	W180/176.220.x	4017181.40114	2.1474	0.9	0.9251
43	W180/2017.W180.2.56.8.4080	W180/175.220.x	4080047.61208	2.0878	0.9	0.9255
44	W180/2017.W180.2.56.8.4146	W180/175.220.y	4145660.40505	2.2131	0.9	0.9255
45	W180/2017.W180.2.56.8.4226	W180/178.220.y	4225311.28395	2.1165	0.9	0.9228
46	W180/2017.W180.2.56.8.4370	W180/211.220.x	4369354.2527	1.9945	0.9	0.9247

47	W180/2017.W180.2.56.8.4448	W180/211.220.y	4447860.72243	2.0355	0.9	0.9247
48	W180/2017.W180.2.56.8.4516	W180/194.220.y	4516448.97927	3.0225	0.9	0.9235
49	W180/2017.W180.2.56.8.4586	W180/194.220.x	4586181.64528	2.0823	0.9	0.9260
50	W180/2017.W180.2.56.8.4672	W180/196.220.x	4671020.51247	3.2877	0.9	0.9262
51	W180/2017.W180.2.56.8.4828	W180/195.220.y	4828567.50954	3.1531	0.9	0.9251
52	W180/2017.W180.2.56.8.4918	W180/195.220.x	4917068.4861	3.3193	0.9	0.9263
53	W180/2017.W180.2.56.8.5000	W180/193.220.x	4999847.41677	3.1120	0.9	0.9262
54	W180/2017.W180.2.56.8.5084	W180/193.220.y	5084991.45973	3.4080	0.9	0.9268
55	W180/2017.W180.2.56.8.5166	W180/157.220.y	5166244.51149	3.4004	0.9	0.9266
56	W180/2017.W180.2.56.8.5256	W180/157.220.x	5256729.13063	3.4031	0.9	0.9259