Bolometer tuning output (IV-algorithm)

Target Data

Full target name	None.Dfmux(serial=0426).MGMEZZ04(1,None).ReadoutModule(1)
Reduced target name	IceBoard(0426).Mezz(1).ReadoutModule(1)
Date	Mon Feb 25 17:24:32 2019
HWM used	190221_run17b_hwm
Outcome	success

Summary Of Results	
Number of successfully tuned bolometers	0
Number of bolos zeroed before start	34
Number of latched bolometers	0
Number of bolometers which didn't finish tuning	0

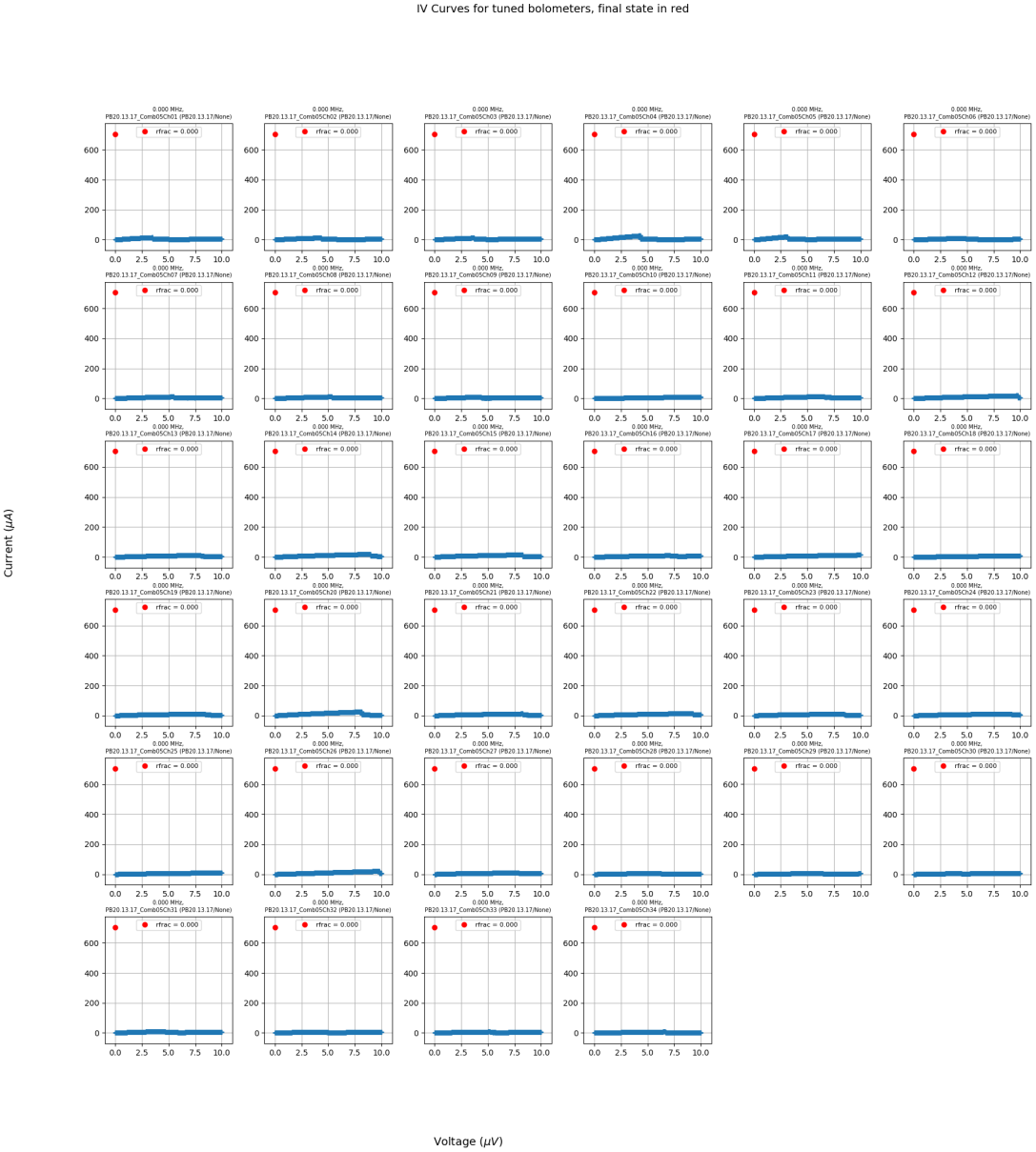
Note

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

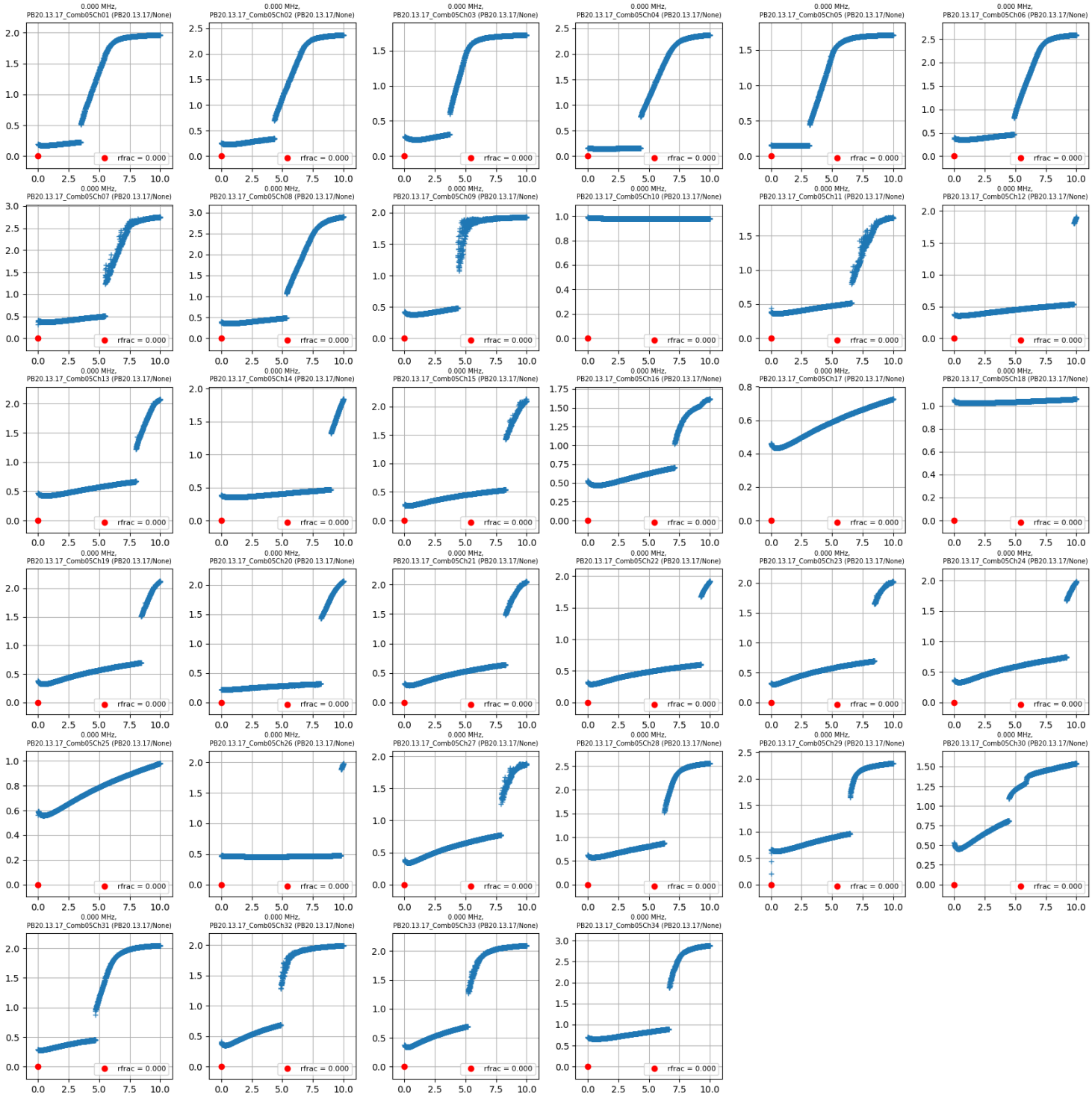
To convert Power values to RMS, divide by 2.

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

Plots

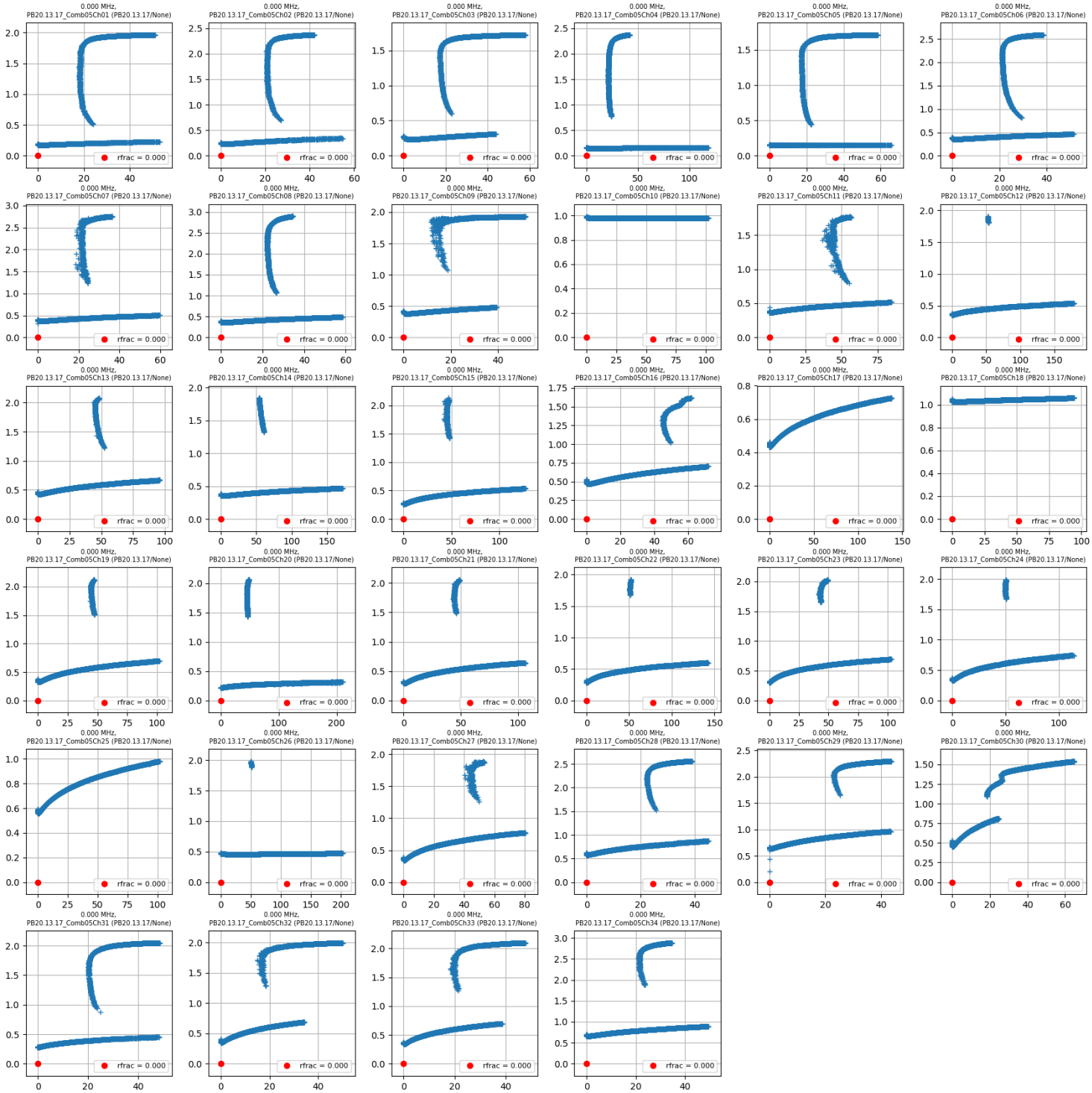

IV Curves for tuned bolometers, final state in red
Current (μA)
Voltage (μV)
0.000 MHz, PB20.13.17_Comb05Ch01 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch02 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch03 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch04 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch05 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch06 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch07 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch08 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch09 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch10 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch11 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch12 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch13 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch14 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch15 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch16 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch17 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch18 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch19 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch20 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch21 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch22 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch23 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch24 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch25 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch26 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch27 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch28 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch29 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch30 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch31 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch32 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch33 (PB20.13.17/None)
0.000 MHz, PB20.13.17_Comb05Ch34 (PB20.13.17/None)
rfrac = 0.000

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	PB20.13.17_Comb05Ch01	PB20.13.17/None	1623687.7488	0.0000	N/A: target amplitude 0	0.0000
2	PB20.13.17_Comb05Ch02	PB20.13.17/None	1654663.09059	0.0000	N/A: target amplitude 0	0.0000
3	PB20.13.17_Comb05Ch03	PB20.13.17/None	1698226.93337	0.0000	N/A: target amplitude 0	0.0000
4	PB20.13.17_Comb05Ch04	PB20.13.17/None	1759033.20778	0.0000	N/A: target amplitude 0	0.0000
5	PB20.13.17_Comb05Ch05	PB20.13.17/None	1815490.72731	0.0000	N/A: target amplitude 0	0.0000
6	PB20.13.17_Comb05Ch06	PB20.13.17/None	1862945.5613	0.0000	N/A: target amplitude 0	0.0000
7	PB20.13.17_Comb05Ch07	PB20.13.17/None	1909255.9861	0.0000	N/A: target amplitude 0	0.0000
8	PB20.13.17_Comb05Ch08	PB20.13.17/None	1971588.13942	0.0000	N/A: target amplitude 0	0.0000
9	PB20.13.17_Comb05Ch09	PB20.13.17/None	2027282.7195	0.0000	N/A: target amplitude 0	0.0000
10	PB20.13.17_Comb05Ch10	PB20.13.17/None	2093734.74587	0.0000	N/A: target amplitude 0	0.0000
11	PB20.13.17_Comb05Ch11	PB20.13.17/None	2148056.03493	0.0000	N/A: target amplitude 0	0.0000
12	PB20.13.17_Comb05Ch12	PB20.13.17/None	2207641.60622	0.0000	N/A: target amplitude 0	0.0000
13	PB20.13.17_Comb05Ch13	PB20.13.17/None	2259445.19509	0.0000	N/A: target amplitude 0	0.0000
14	PB20.13.17_Comb05Ch14	PB20.13.17/None	2330169.68239	0.0000	N/A: target amplitude 0	0.0000

15	PB20.13.17_Comb05Ch15	PB20.13.17/None	2381668.09548	0.0000	N/A: target amplitude 0	0.0000
16	PB20.13.17_Comb05Ch16	PB20.13.17/None	2432632.45095	0.0000	N/A: target amplitude 0	0.0000
17	PB20.13.17_Comb05Ch17	PB20.13.17/None	2563552.8611	0.0000	N/A: target amplitude 0	0.0000
18	PB20.13.17_Comb05Ch18	PB20.13.17/None	2726287.84645	0.0000	N/A: target amplitude 0	0.0000
19	PB20.13.17_Comb05Ch19	PB20.13.17/None	2785873.41774	0.0000	N/A: target amplitude 0	0.0000
20	PB20.13.17_Comb05Ch20	PB20.13.17/None	3013916.02028	0.0000	N/A: target amplitude 0	0.0000
21	PB20.13.17_Comb05Ch21	PB20.13.17/None	3082275.39528	0.0000	N/A: target amplitude 0	0.0000
22	PB20.13.17_Comb05Ch22	PB20.13.17/None	3133773.80837	0.0000	N/A: target amplitude 0	0.0000
23	PB20.13.17_Comb05Ch23	PB20.13.17/None	3232803.34938	0.0000	N/A: target amplitude 0	0.0000
24	PB20.13.17_Comb05Ch24	PB20.13.17/None	3303985.60036	0.0000	N/A: target amplitude 0	0.0000
25	PB20.13.17_Comb05Ch25	PB20.13.17/None	3403625.49294	0.0000	N/A: target amplitude 0	0.0000
26	PB20.13.17_Comb05Ch26	PB20.13.17/None	3475952.15309	0.0000	N/A: target amplitude 0	0.0000
27	PB20.13.17_Comb05Ch27	PB20.13.17/None	3554153.44704	0.0000	N/A: target amplitude 0	0.0000
28	PB20.13.17_Comb05Ch28	PB20.13.17/None	3742446.90407	0.0000	N/A: target amplitude 0	0.0000
29	PB20.13.17_Comb05Ch29	PB20.13.17/None	3812866.21559	0.0000	N/A: target amplitude 0	0.0000
30	PB20.13.17_Comb05Ch30	PB20.13.17/None	3916702.27516	0.0000	N/A: target amplitude 0	0.0000

31	PB20.13.17_Comb05Ch31	PB20.13.17/None	4003448.49099	0.0000	N/A: target amplitude 0	0.0000
32	PB20.13.17_Comb05Ch32	PB20.13.17/None	4109725.95681	0.0000	N/A: target amplitude 0	0.0000
33	PB20.13.17_Comb05Ch33	PB20.13.17/None	4194107.06032	0.0000	N/A: target amplitude 0	0.0000
34	PB20.13.17_Comb05Ch34	PB20.13.17/None	4306335.45387	0.0000	N/A: target amplitude 0	0.0000