

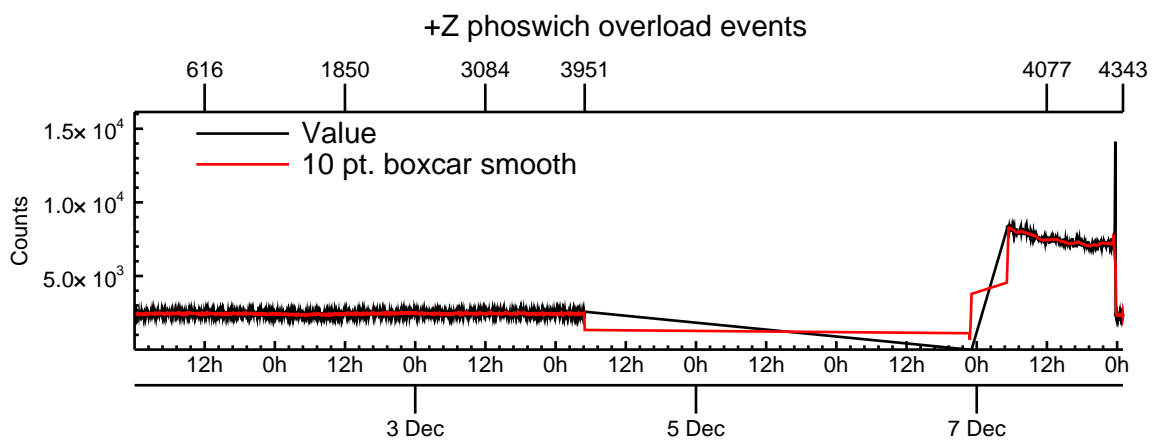
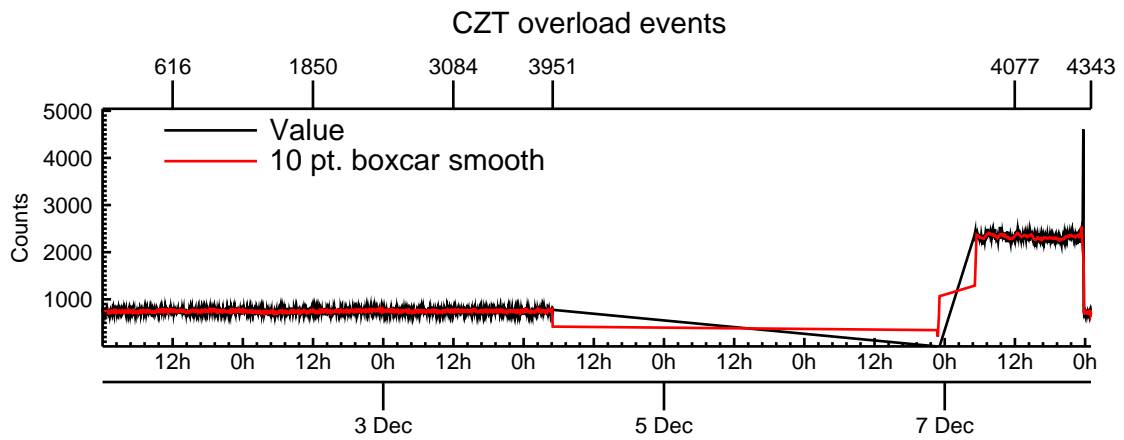
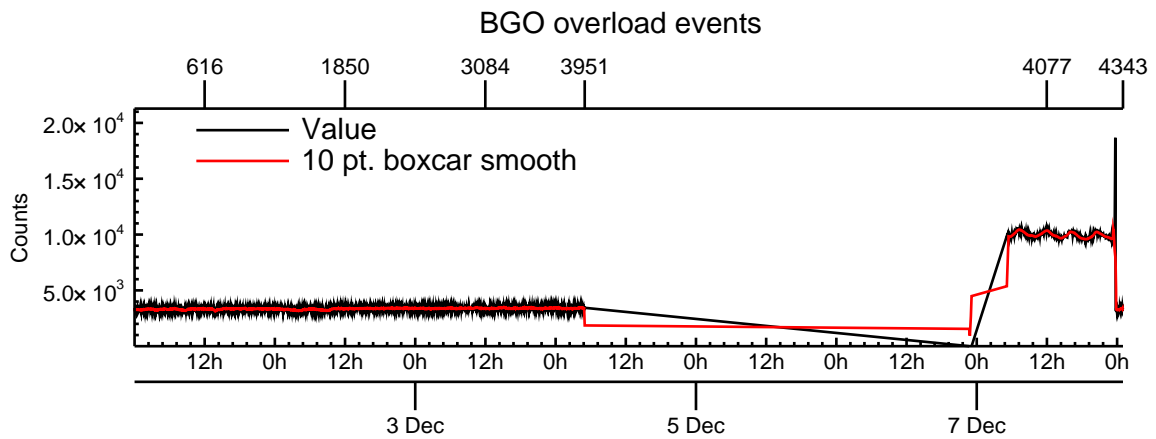
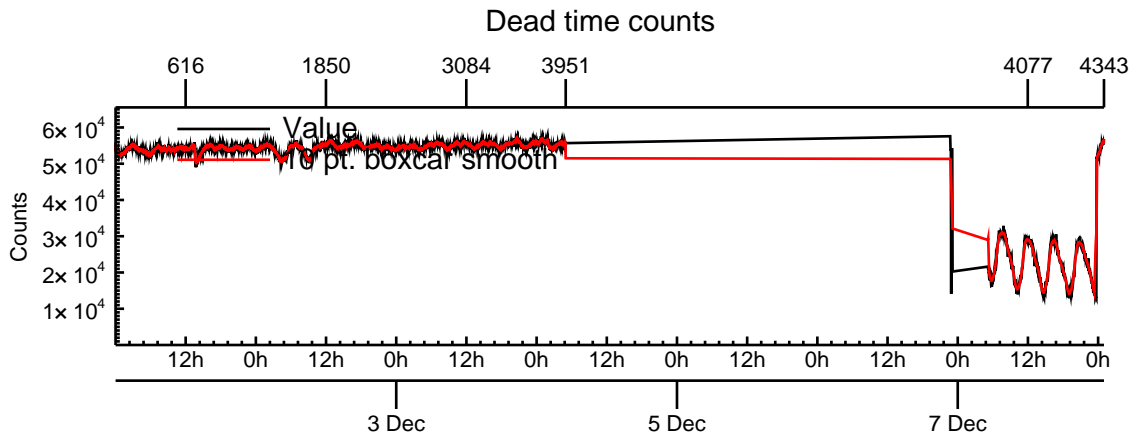
NASA Dawn Mission

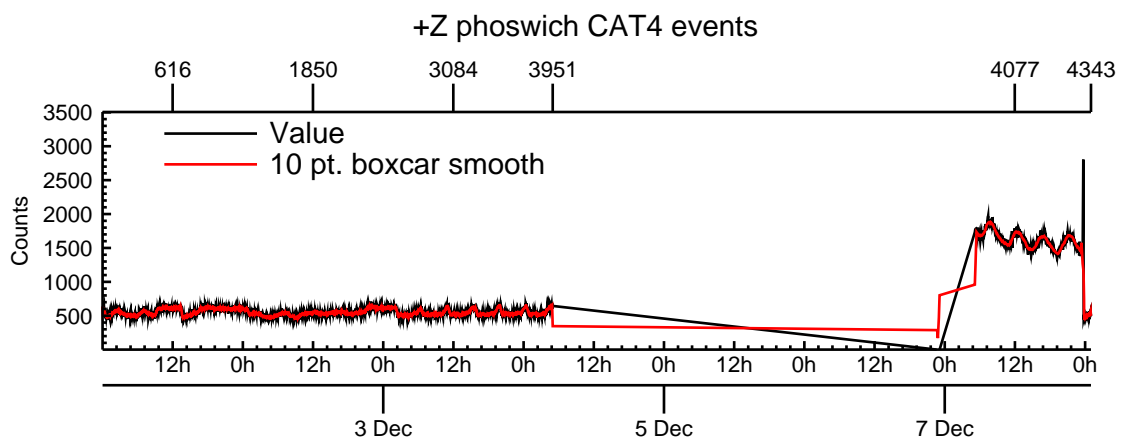
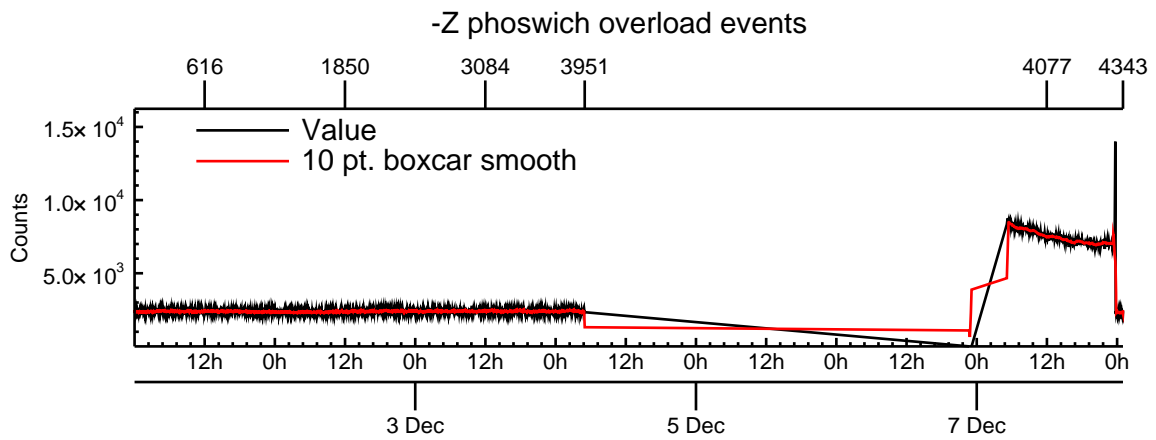
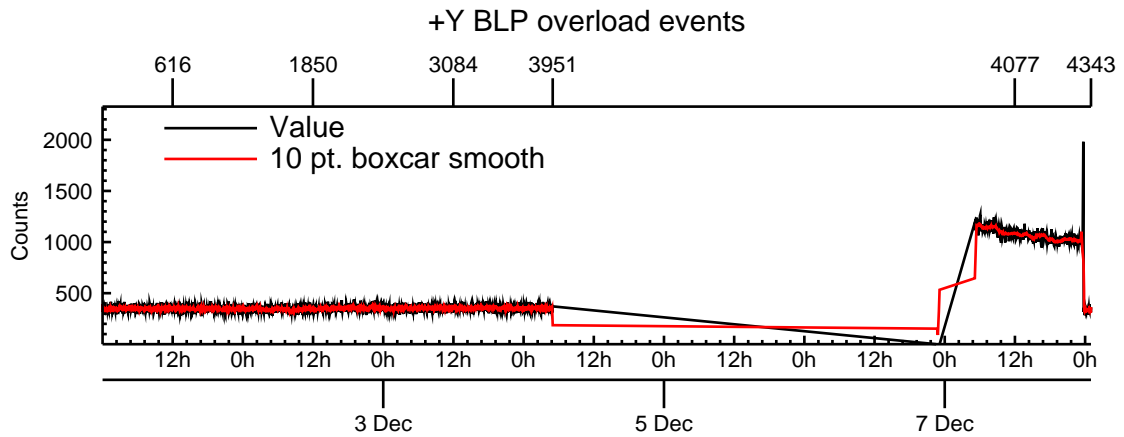
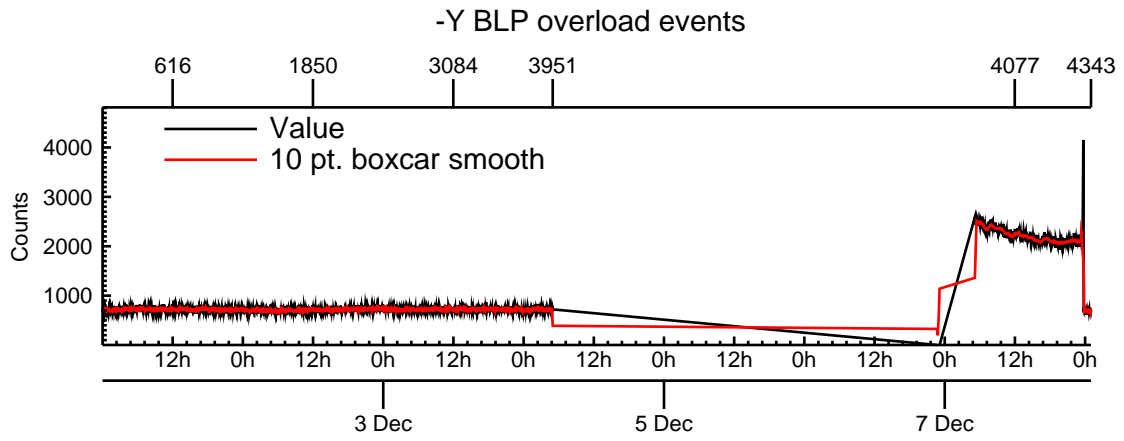
GRaND@Vesta Browse Charts

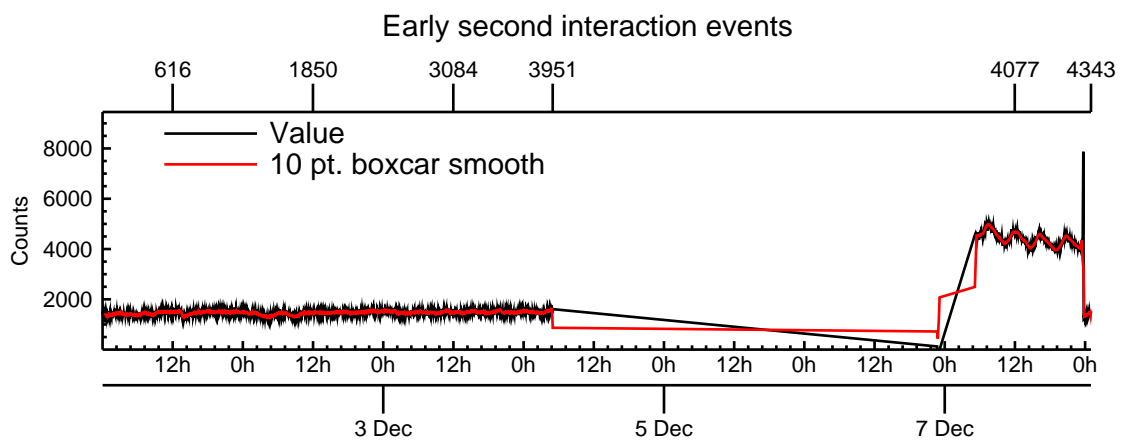
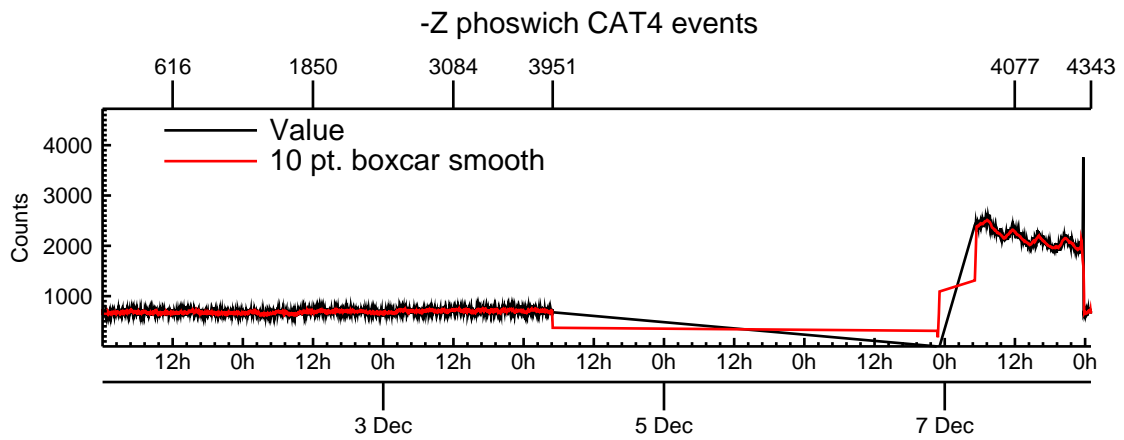
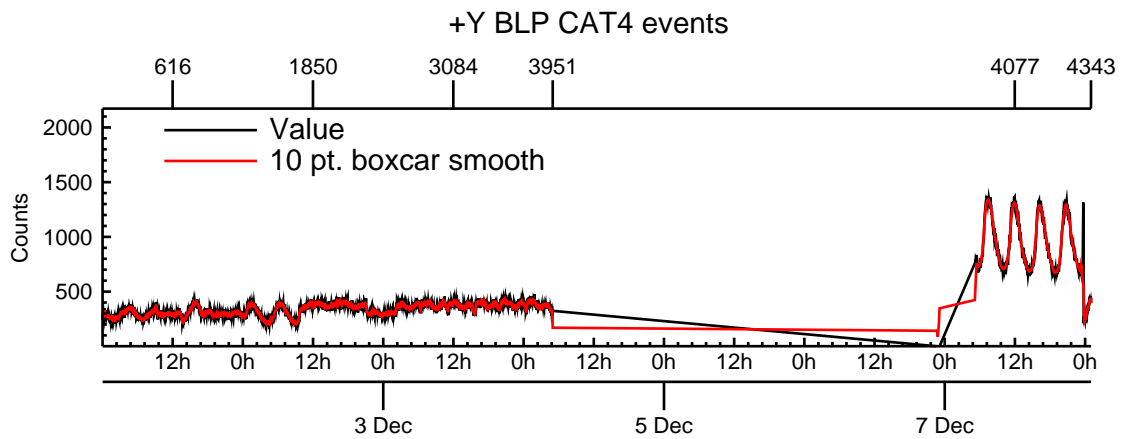
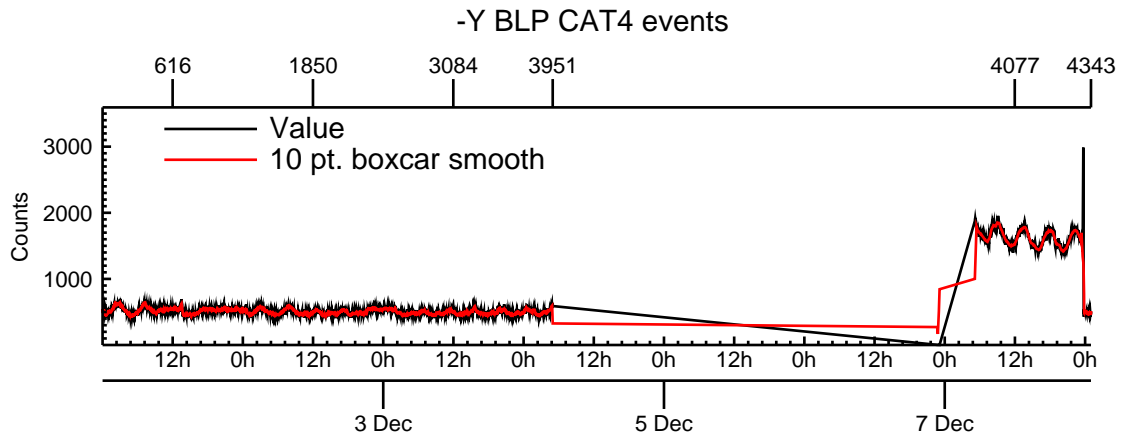
GRD-L1A-111201-111208_130628

- Number of science records: 4344
6280 missing science packets with 3 gaps.
Start/End: 2011-12-01T00:00:20 to 2011-12-08T00:59:37
- Number of SOH records: 9964
15445 missing SOH packets with 1 gaps.
Start/End: 2011-12-01T00:00:36 to 2011-12-08T00:59:36
- Comments: Browse charts.
 - Provides an overview of data contained within this directory.
 - Refer to the .STA file for detailed state information.
 - The energy scale for calibrated spectra may not be accurate.
- Number of states = 9
- Instrument settings for first state (STATE_INDEX 0):

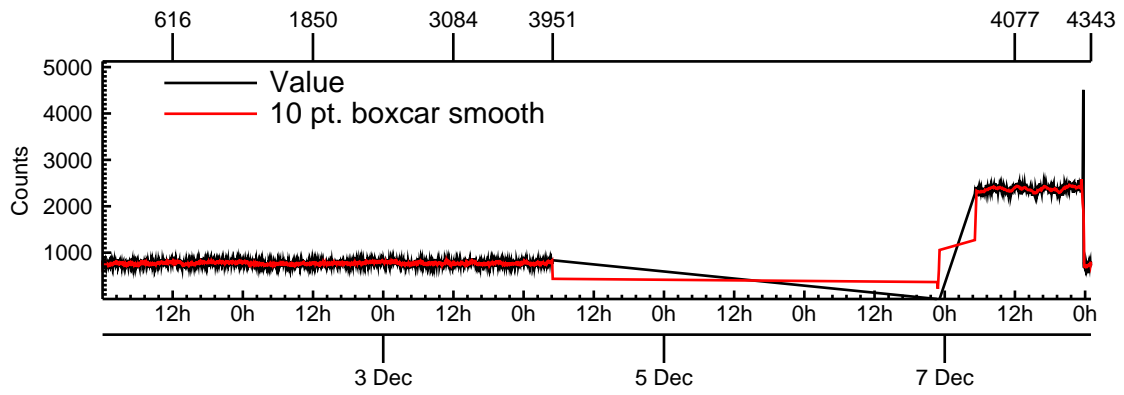
TELREADOUT	70	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	1	NEMN_TOT_EVTS	2800
HVPS1	1	L_BGO_CW	1
HVPS1_SET	180	H_BGO_CW	64
HVPS2	1	L_BGO_ROI	1
HVPS2_SET	170	H_BGO_ROI	64
HVPS3	1	L_BLP_MY_CW	1
HVPS3_SET	175	H_BLP_MY_CW	64
HVPS4	1	L_BLP_MY_ROI	1
HVPS4_SET	180	H_BLP_MY_ROI	64
HVPS5	1	L_BLP_PY_CW	1
HVPS5_SET	125	H_BLP_PY_CW	64
HVPS6	1	L_BLP_PY_ROI	1
HVPS6_SET	170	H_BLP_PY_ROI	64
PM5_LVPS	1	L_BLP_MZ_CW	1
P12_LVPS	1	H_BLP_MZ_CW	64
HEATERS_ENABLE	0	L_BLP_MZ_ROI	1
CZT_PM5_LVPS	1	H_BLP_MZ_ROI	64
CZT_ENABLES		L_BLP_PZ_CW	1
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		L_BLP_PZ_ROI	1
		H_BLP_PZ_ROI	64



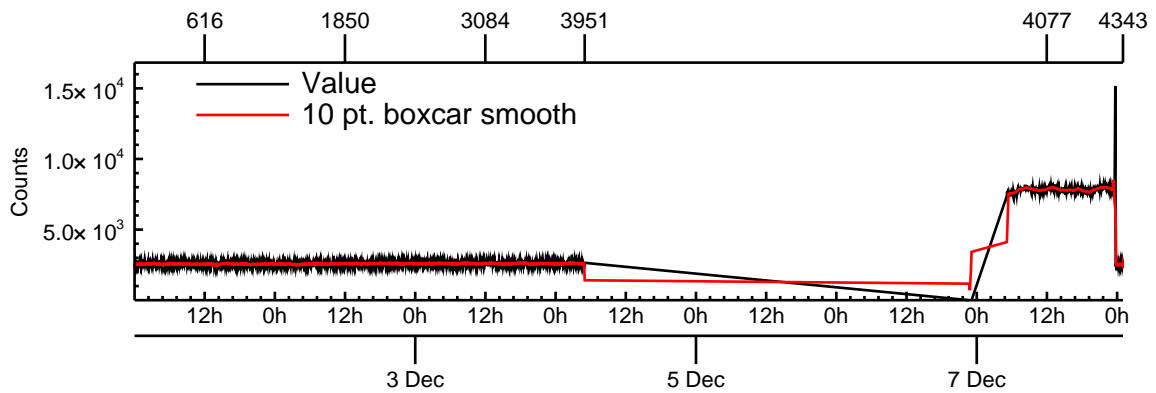




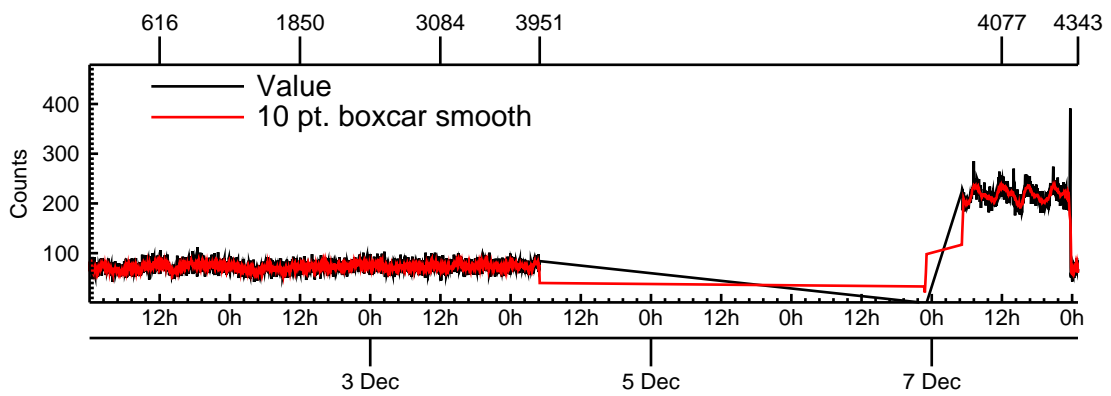
Multiple-crystal CZT events



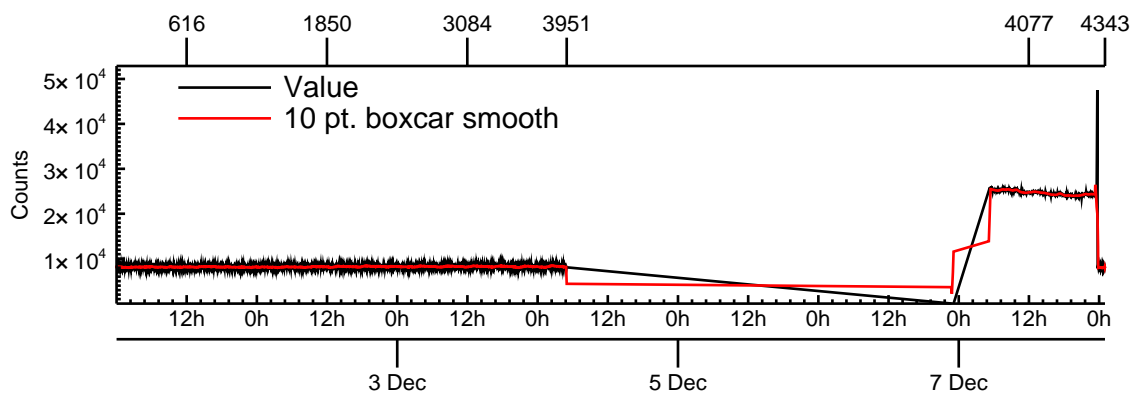
Valid CZT events (CAT10)



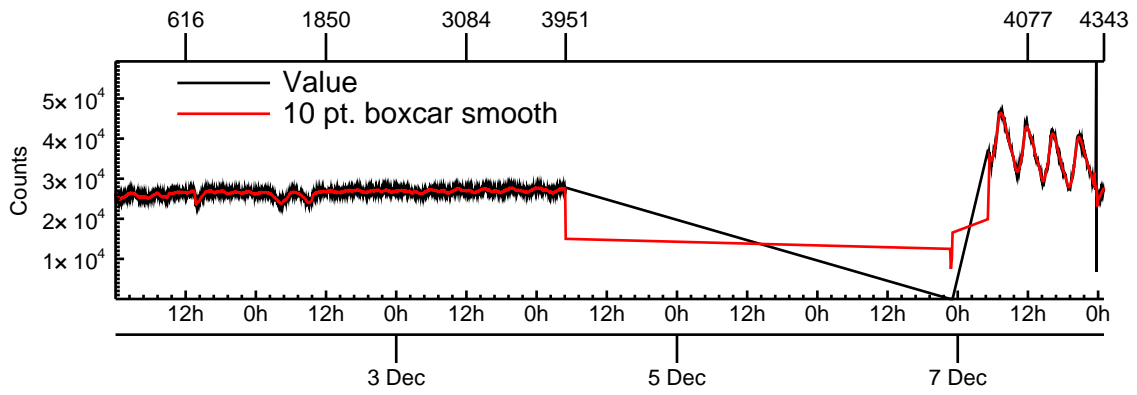
Coincidence BGO and CZT events (CAT7)



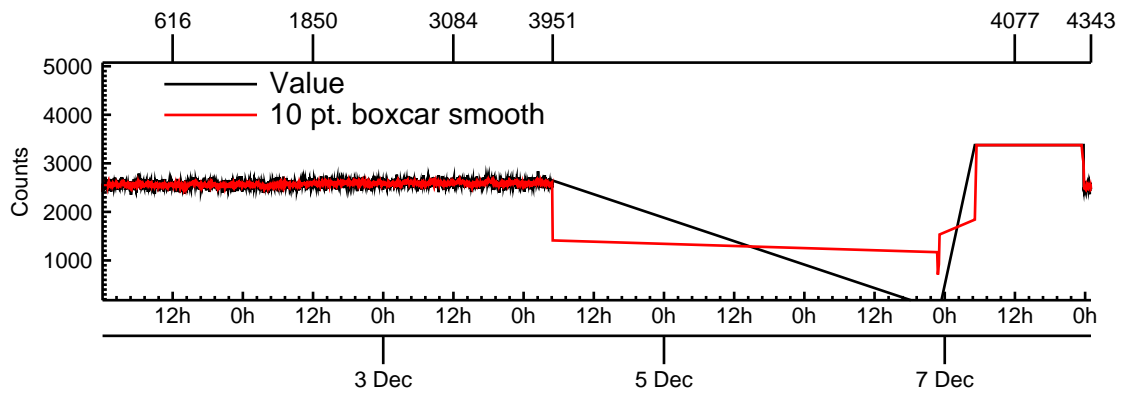
Coincidence of three or more sensor elements



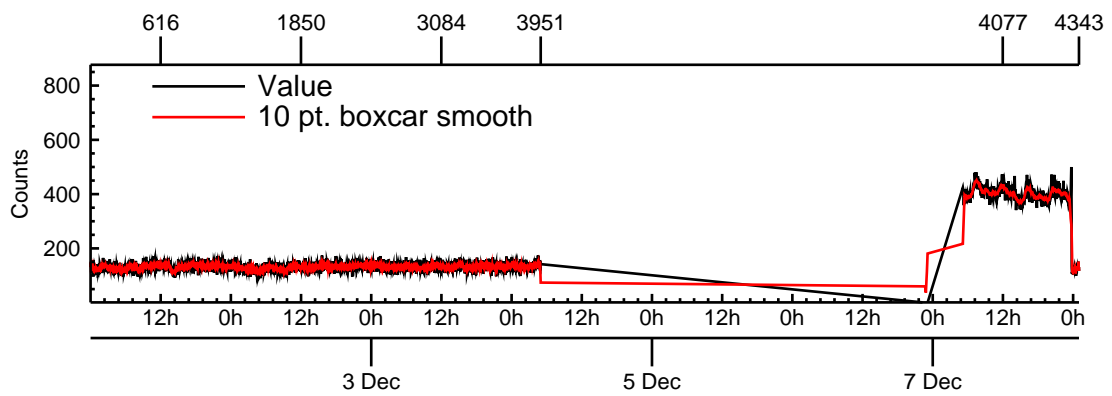
Total events processed by GRaND



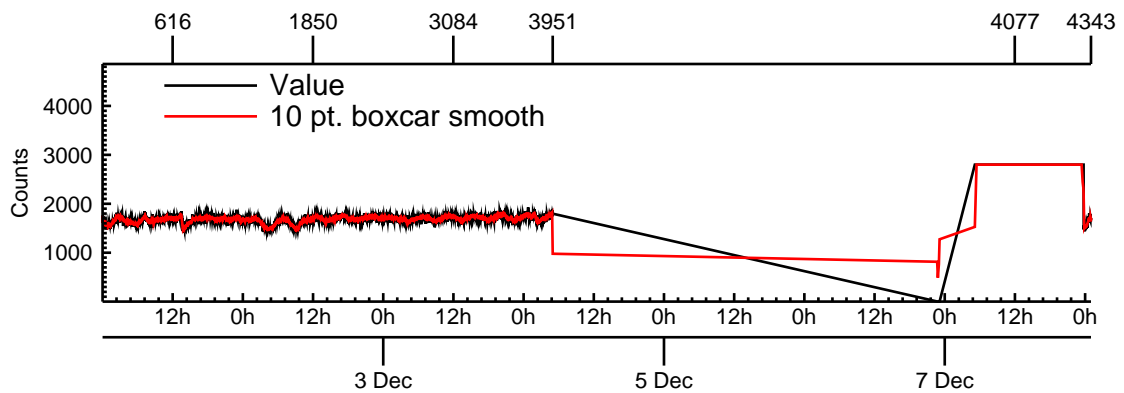
Number of single CZT events (CAT10) in the gamma ray event buffer

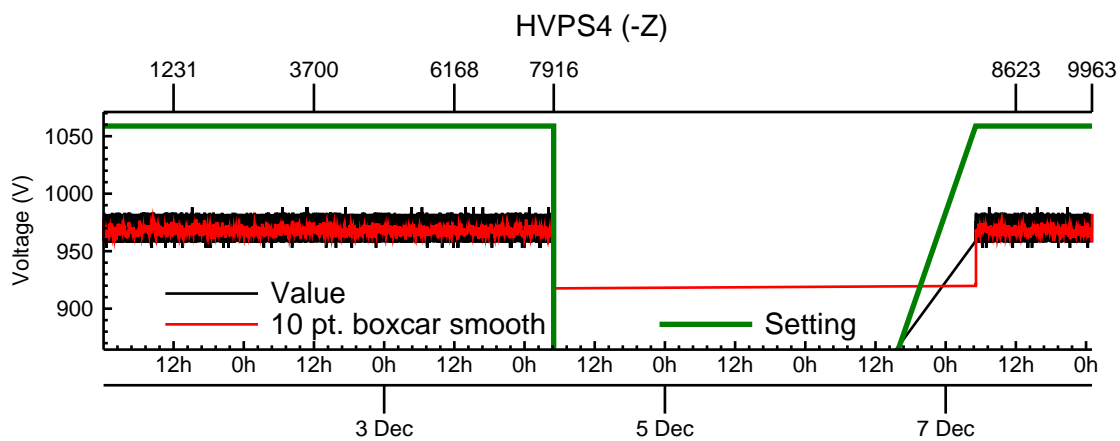
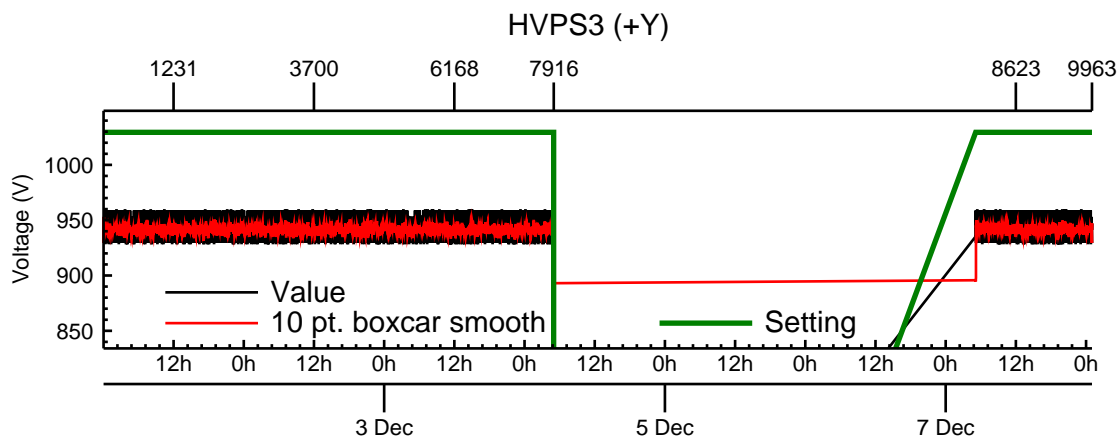
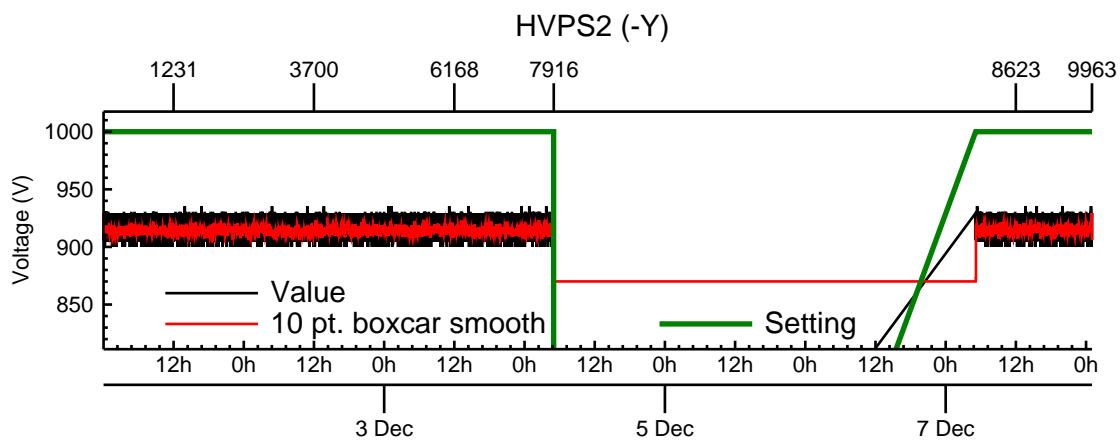
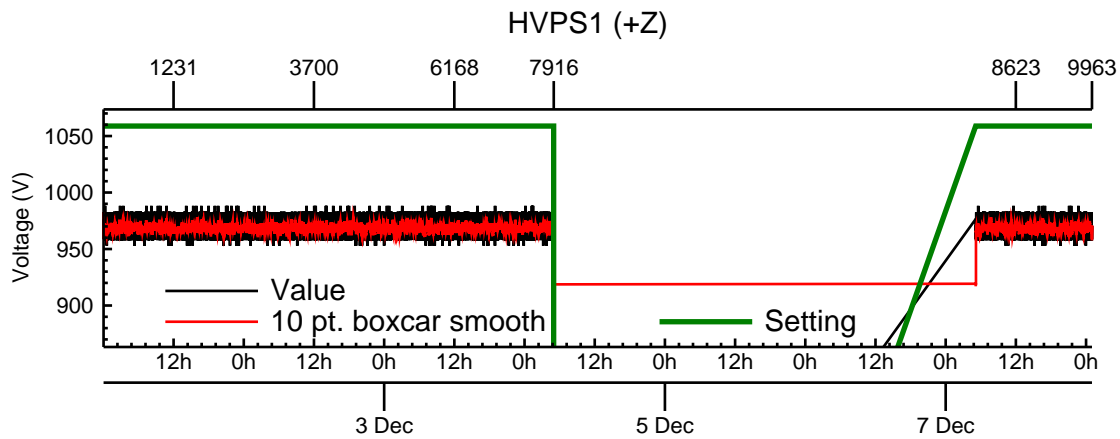


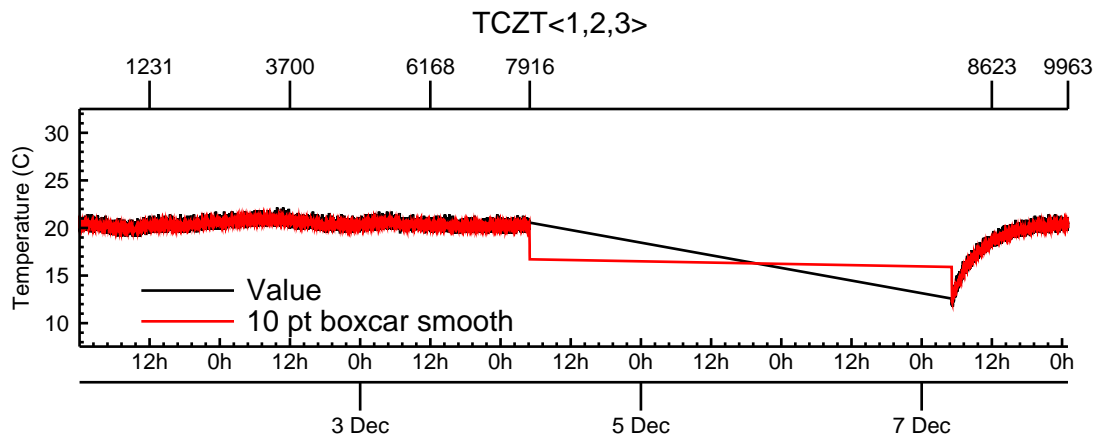
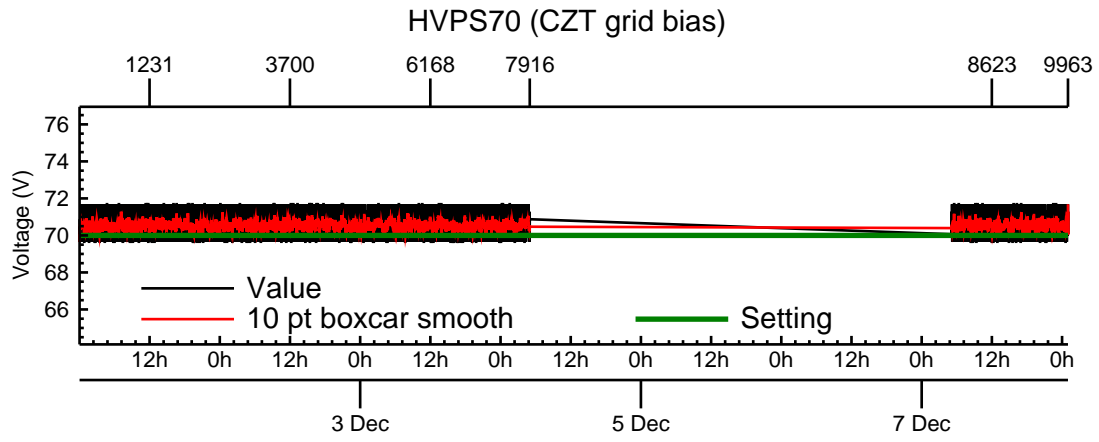
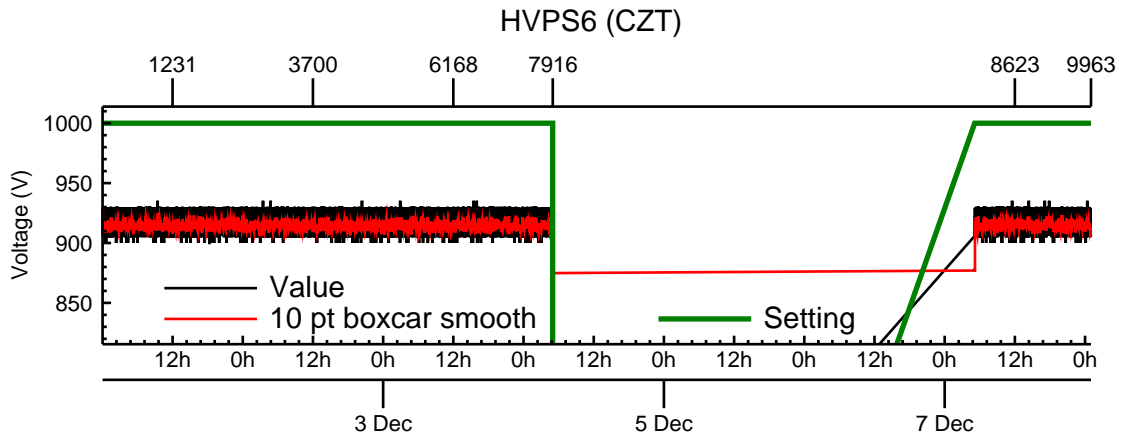
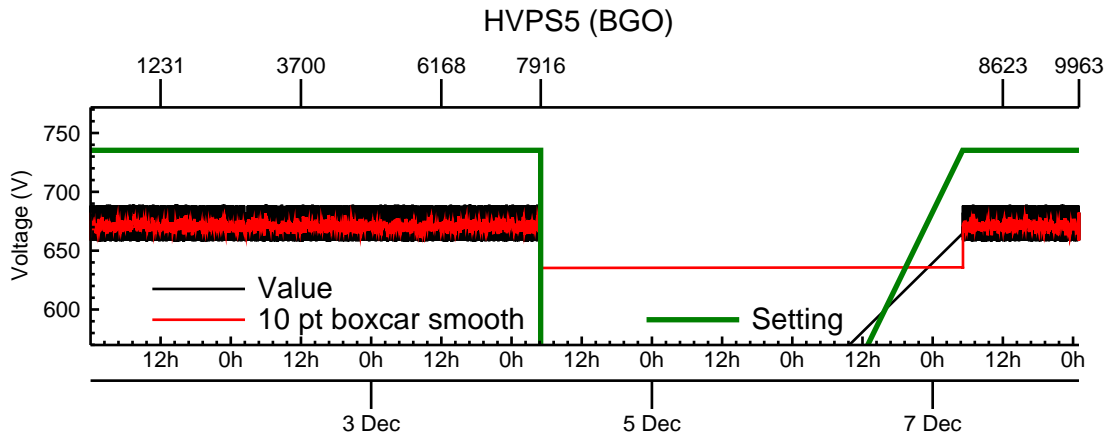
Number of BGO-CZT events (CAT7) in the gamma ray event buffer

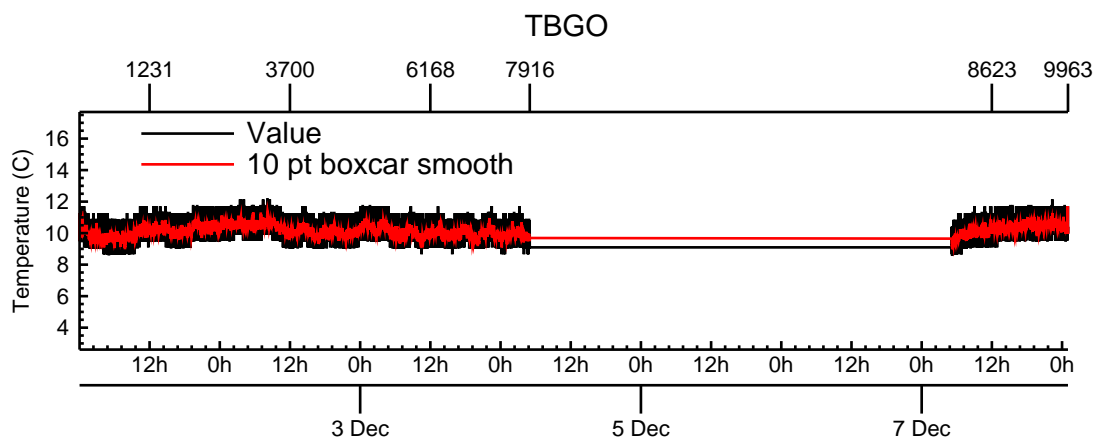
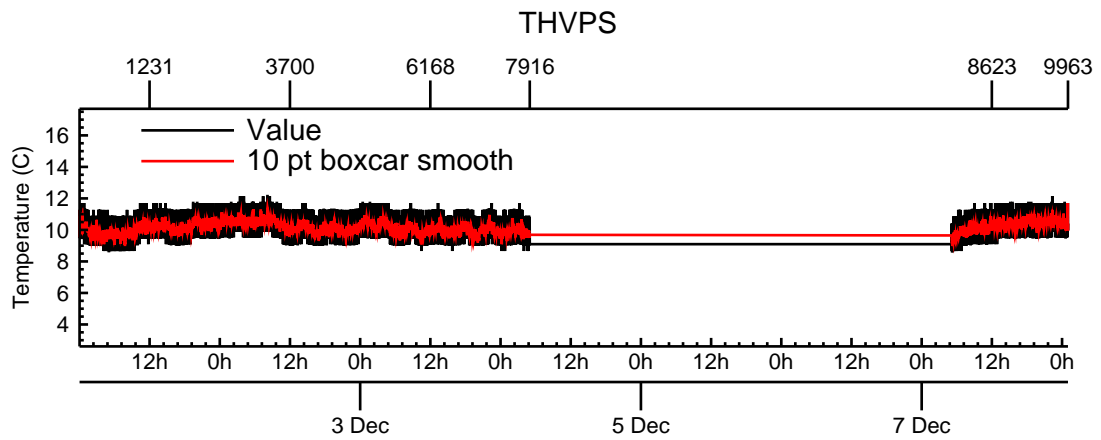
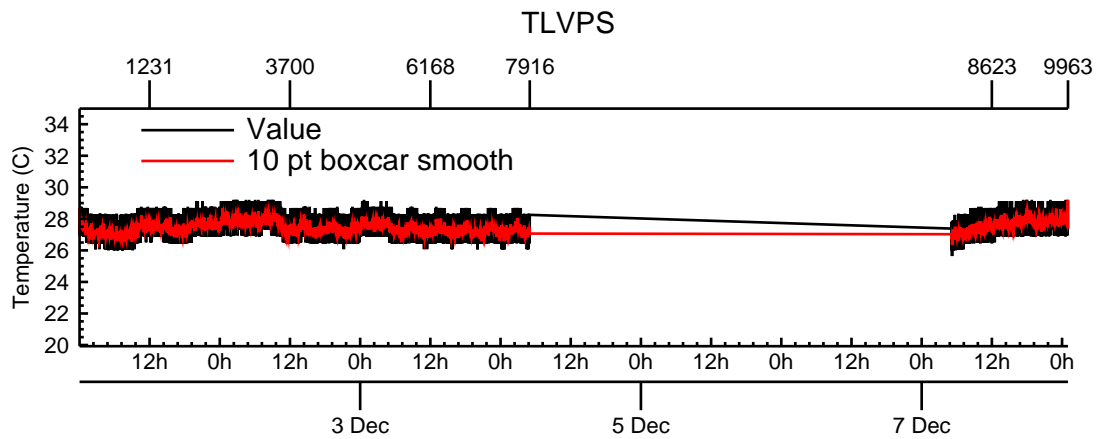
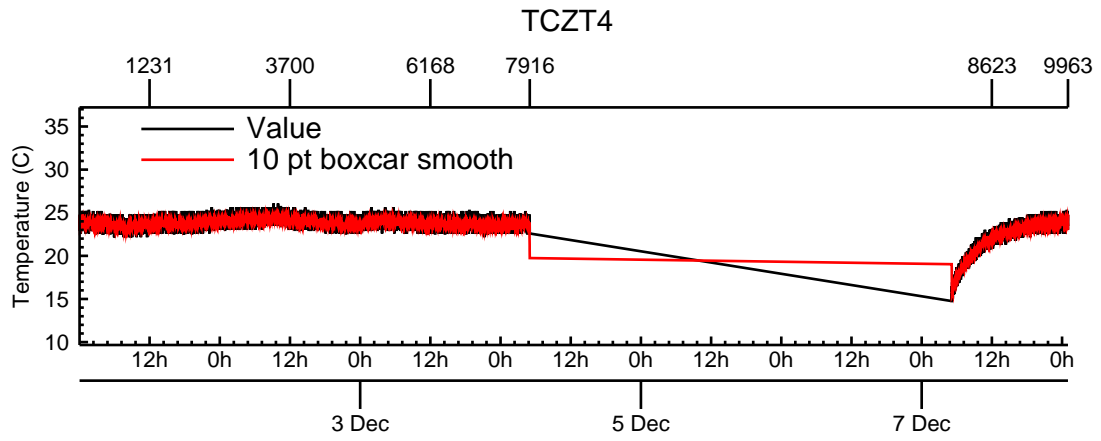


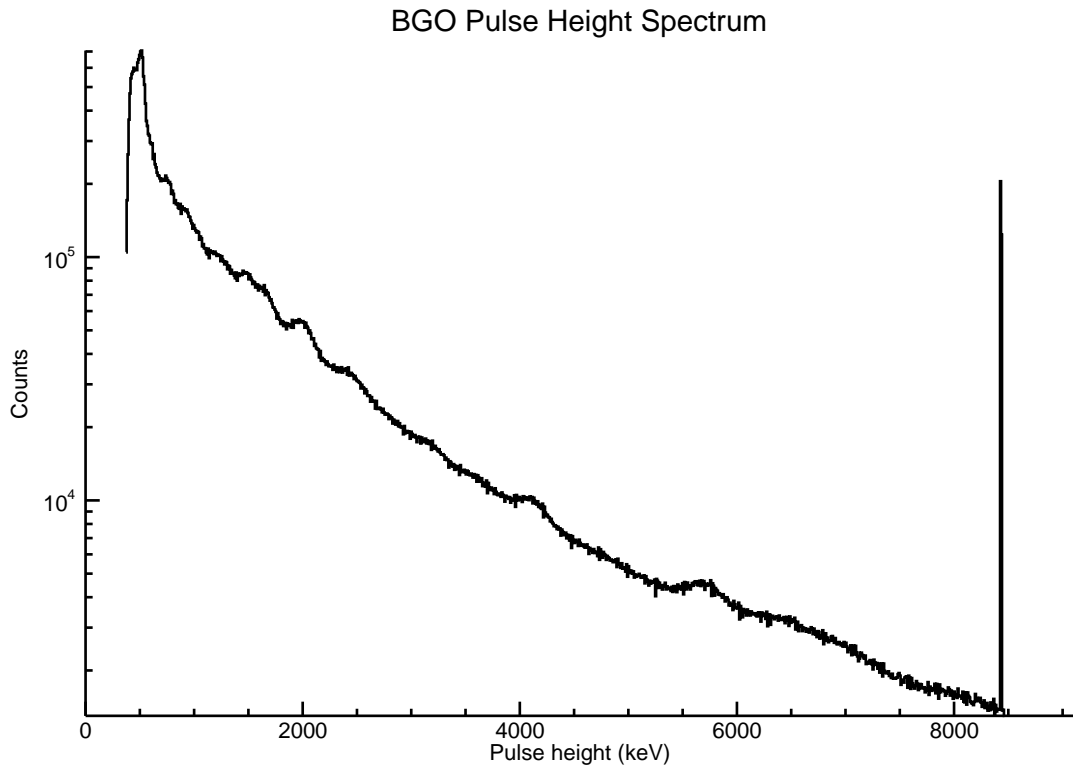
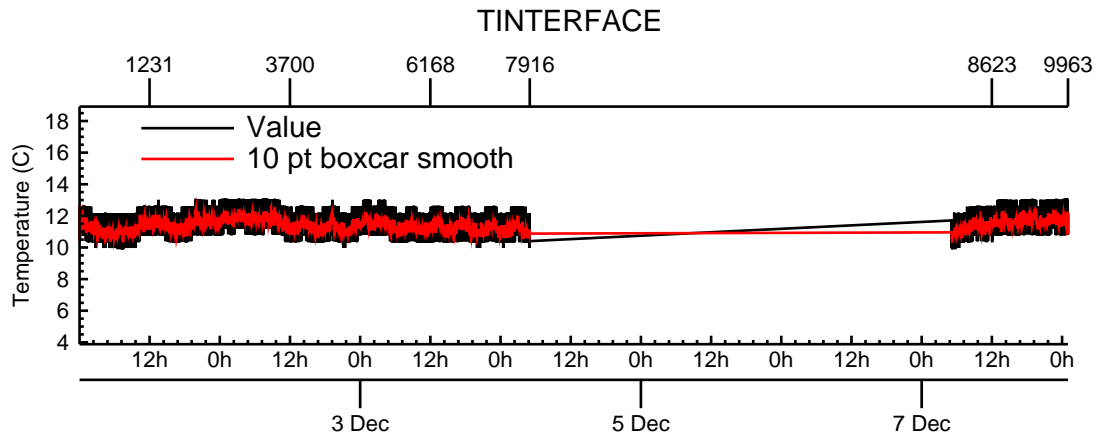
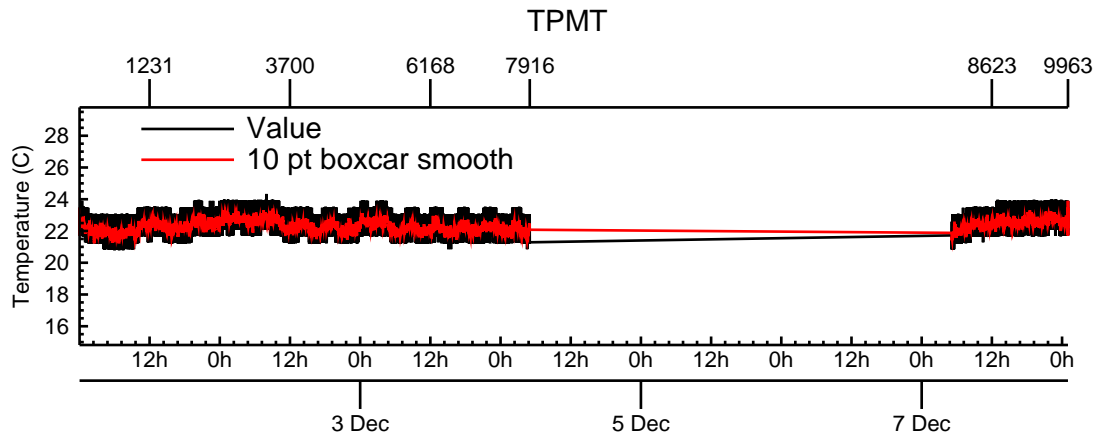
Number of events (CAT4) in the neutron event buffer



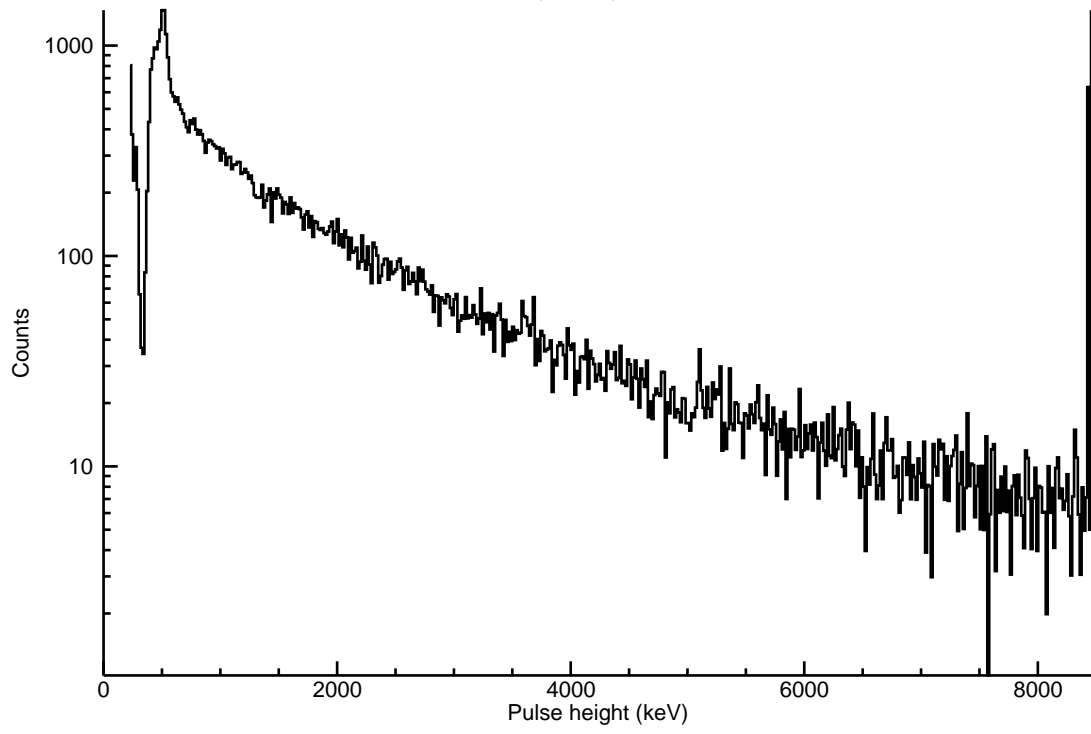




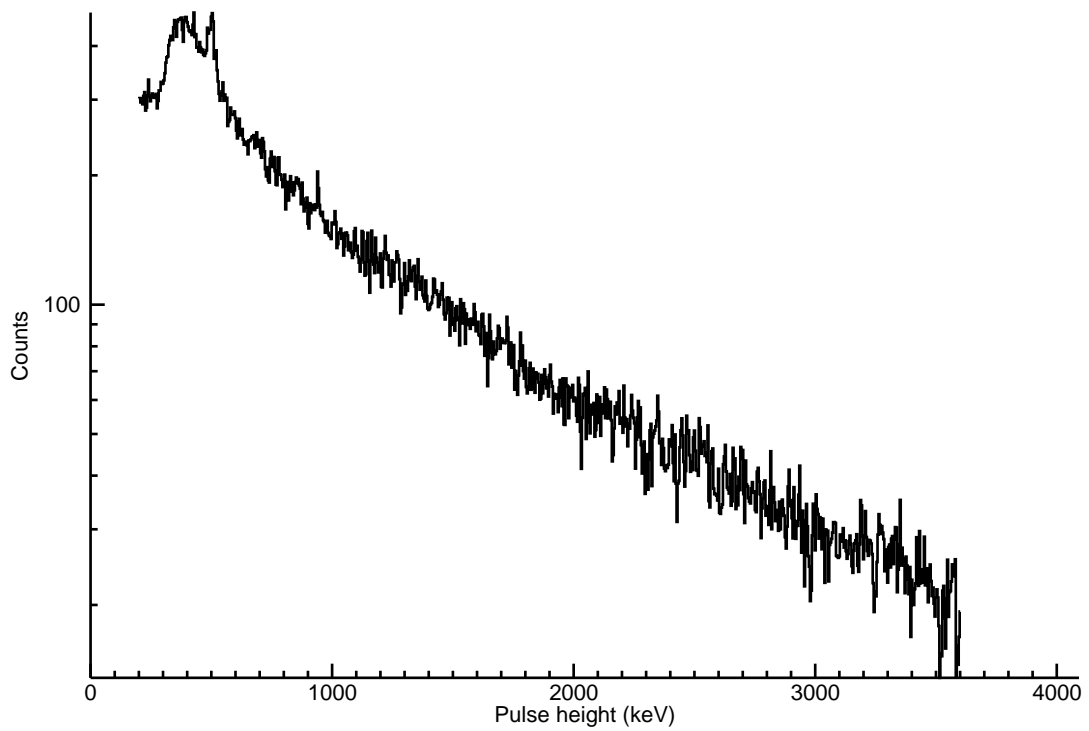




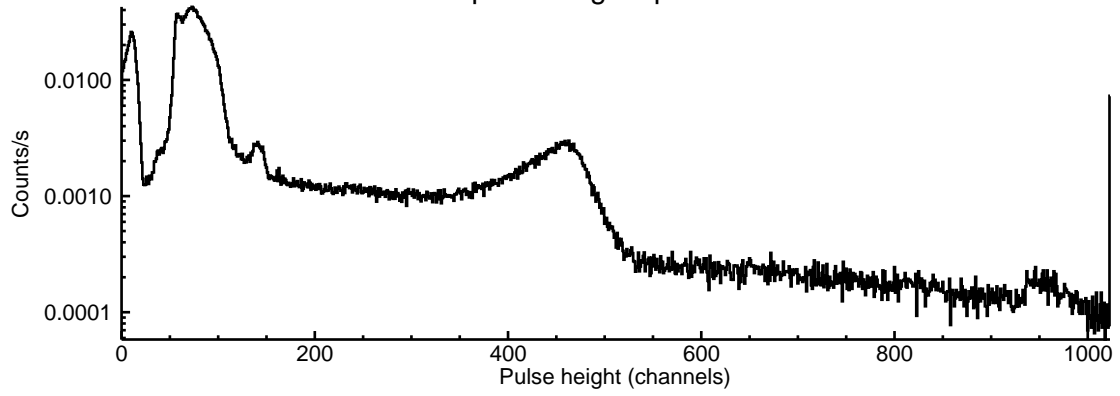
BGO-CZT pair spectrum: BGO



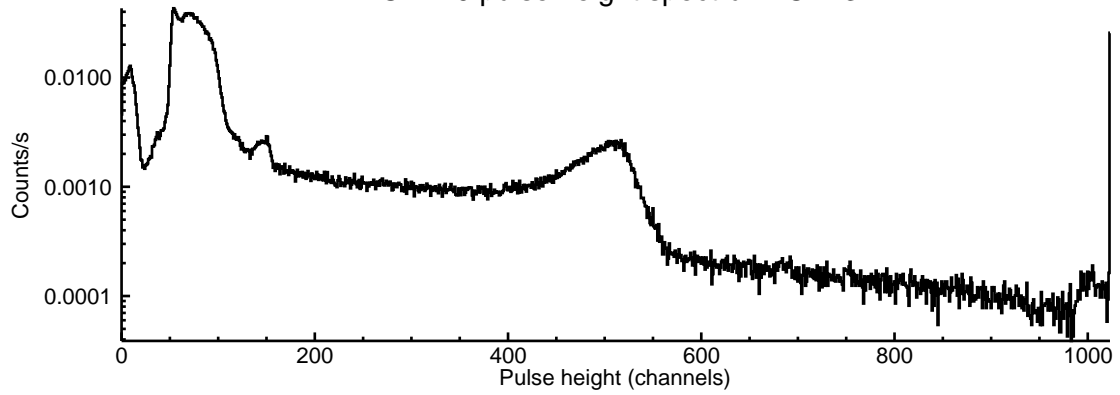
BGO-CZT pair spectrum: CZT



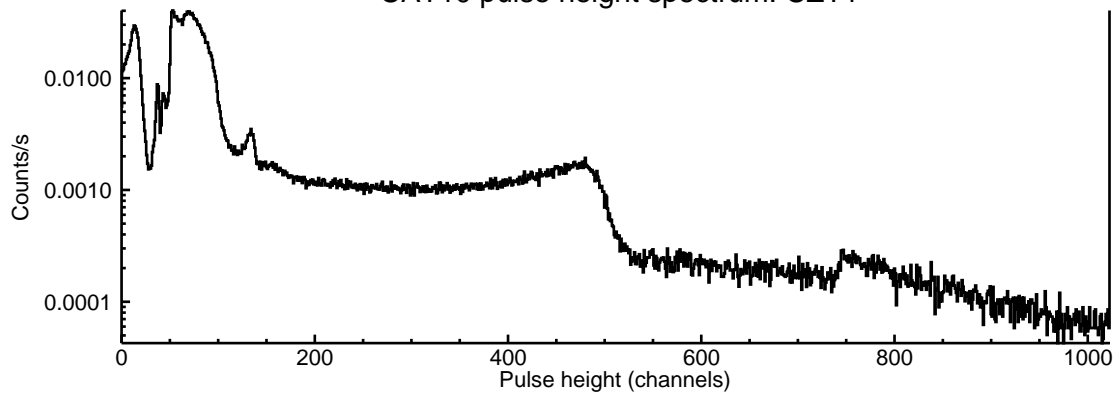
CAT10 pulse height spectrum: CZT11



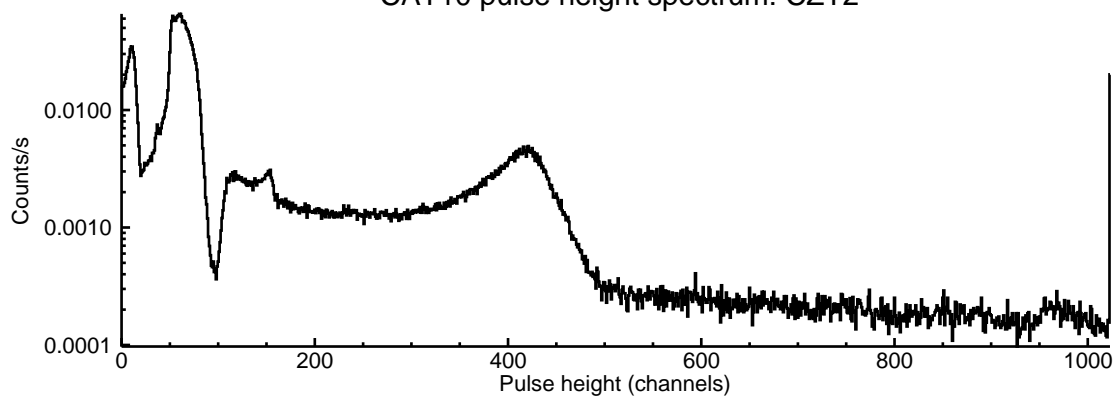
CAT10 pulse height spectrum: CZT3



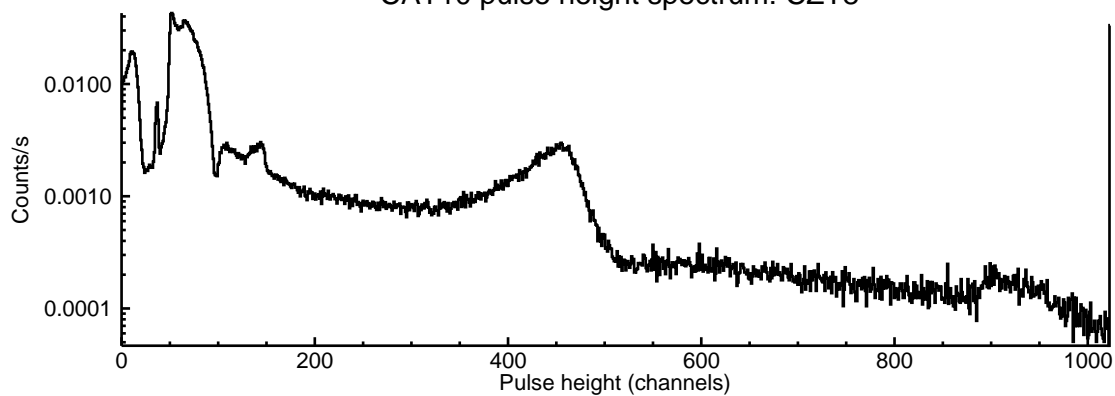
CAT10 pulse height spectrum: CZT1



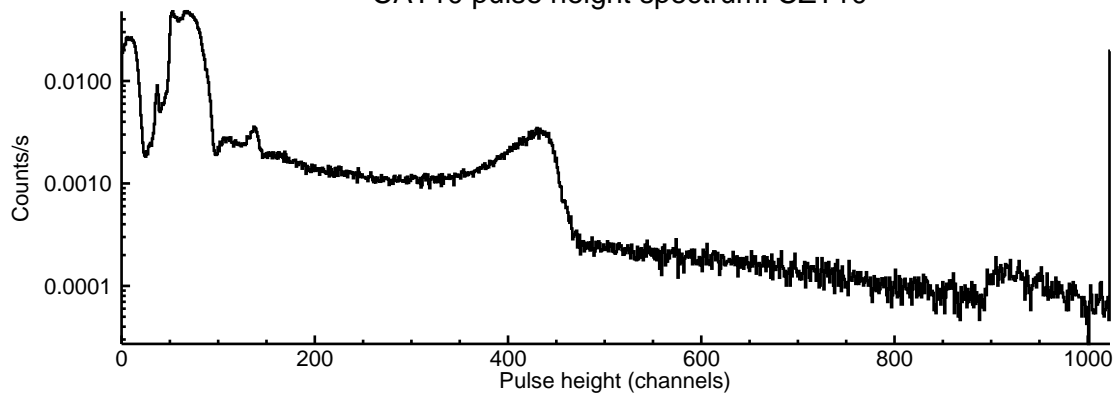
CAT10 pulse height spectrum: CZT2



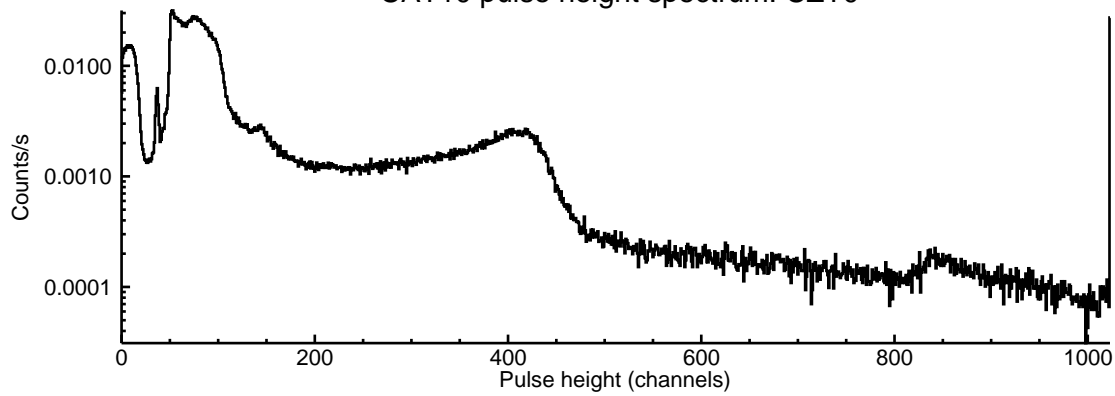
CAT10 pulse height spectrum: CZT8



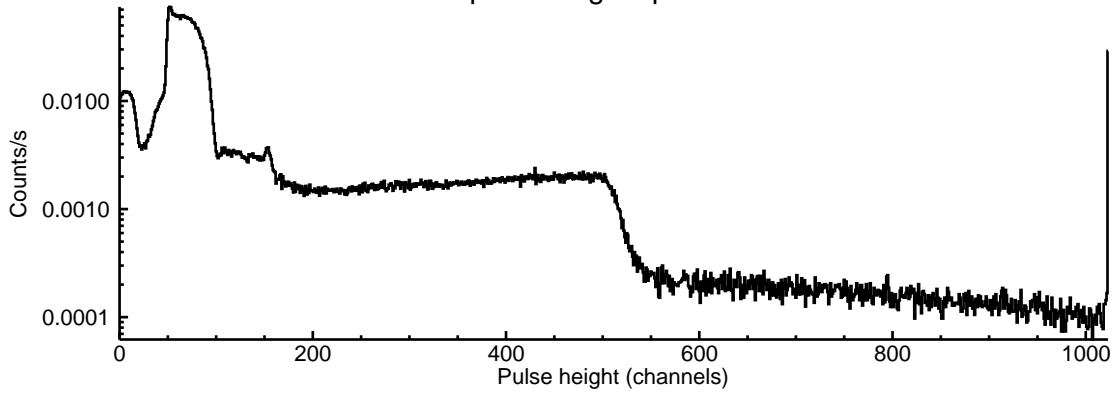
CAT10 pulse height spectrum: CZT10



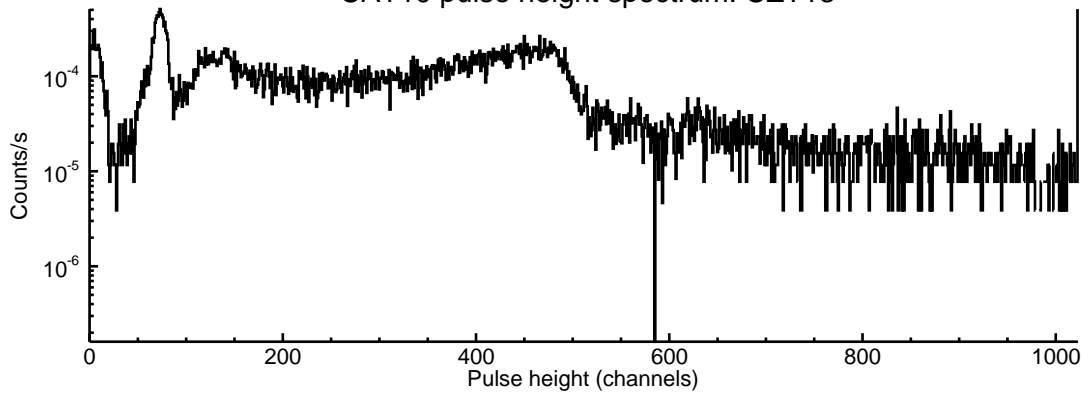
CAT10 pulse height spectrum: CZT0



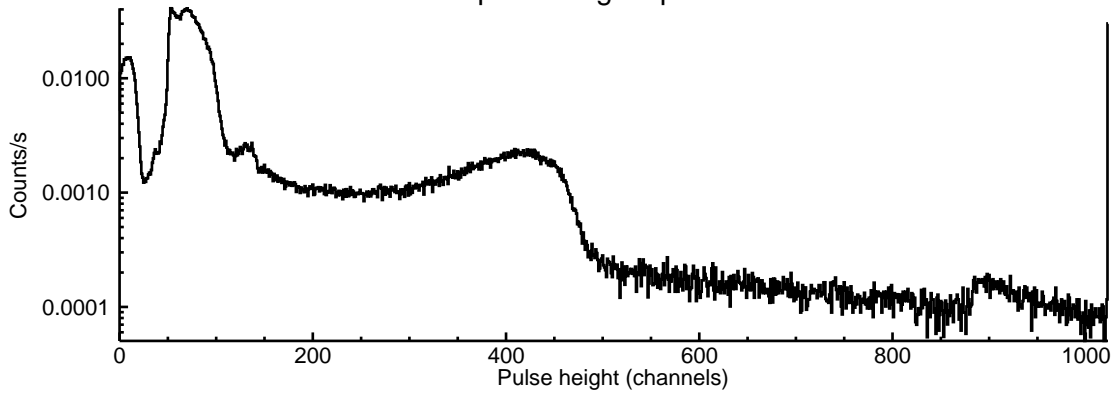
CAT10 pulse height spectrum: CZT15



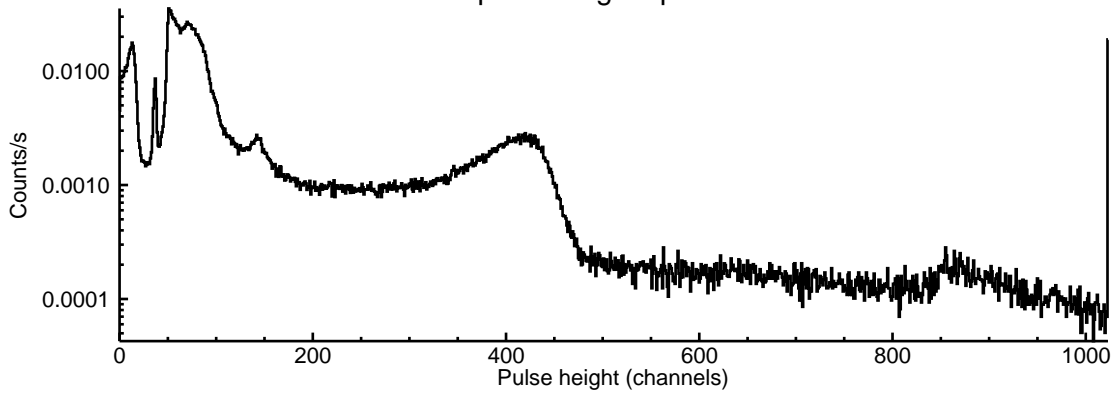
CAT10 pulse height spectrum: CZT13

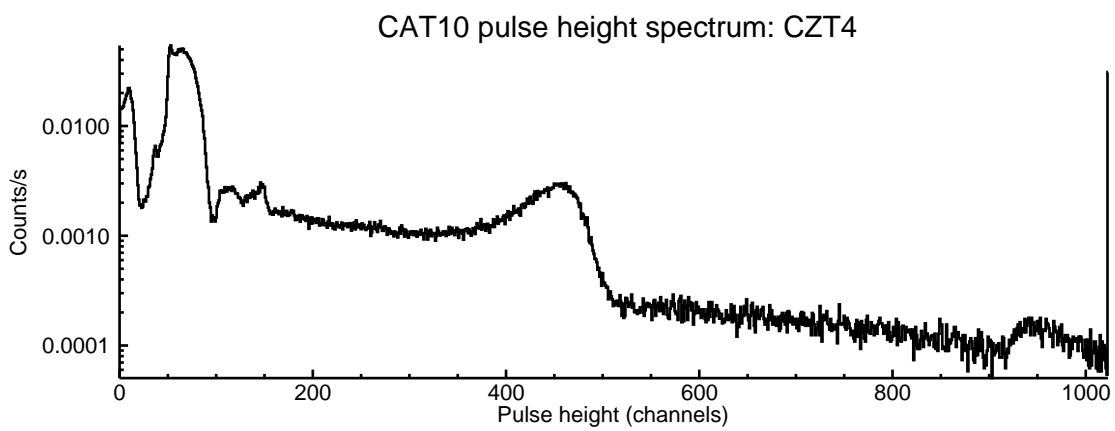
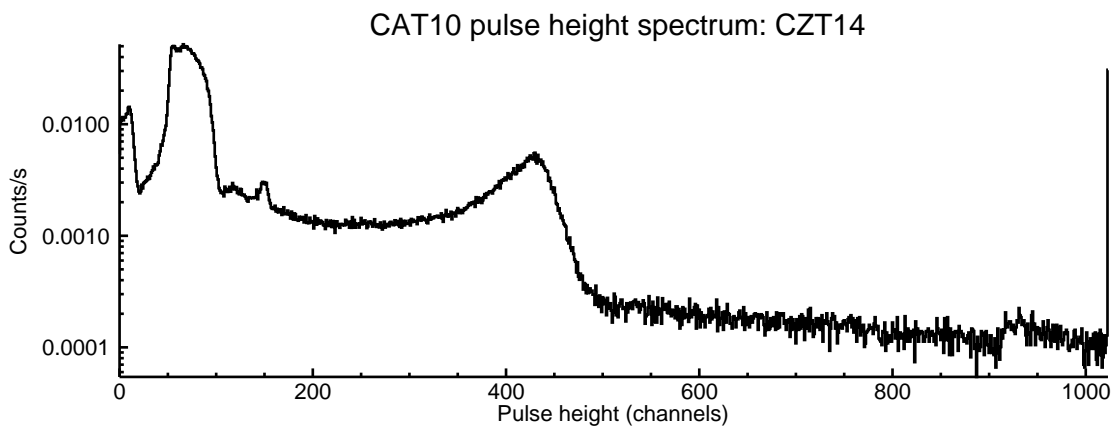
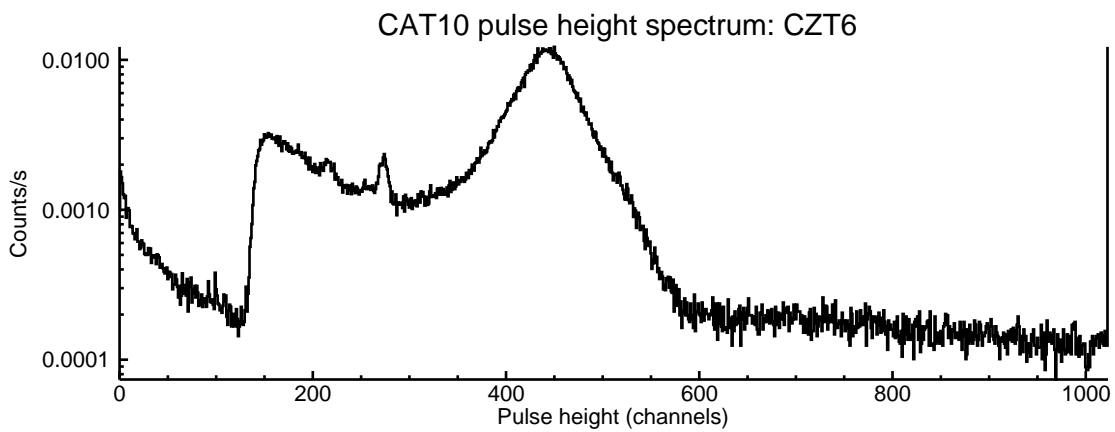


CAT10 pulse height spectrum: CZT7

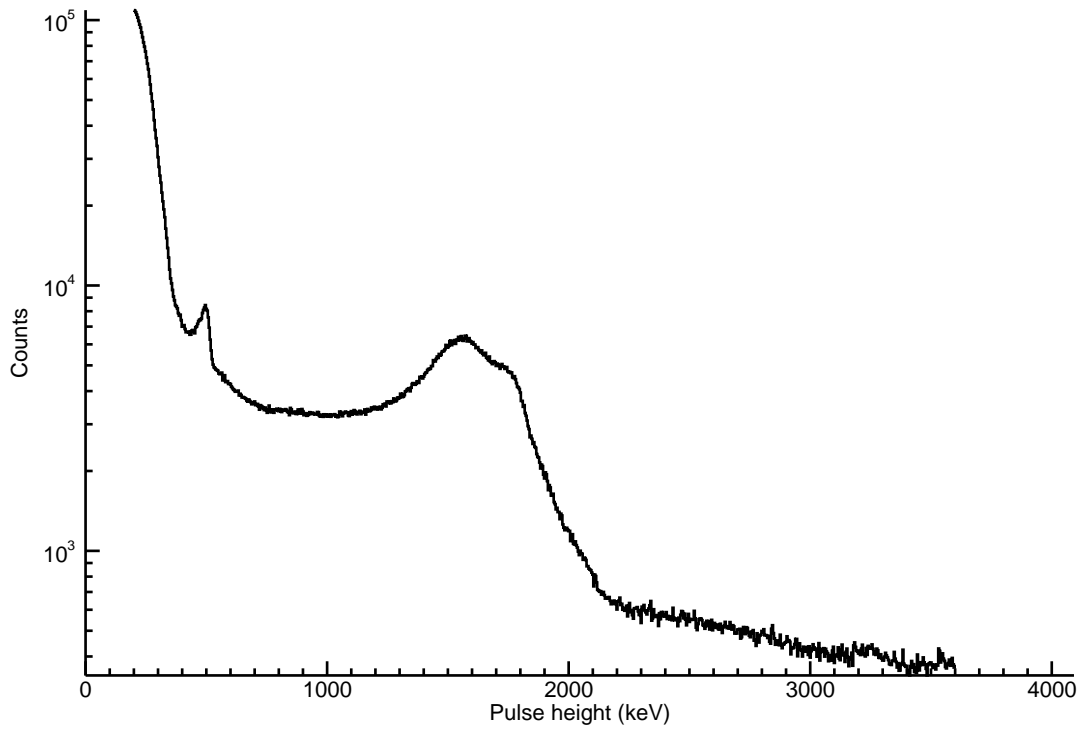


CAT10 pulse height spectrum: CZT5

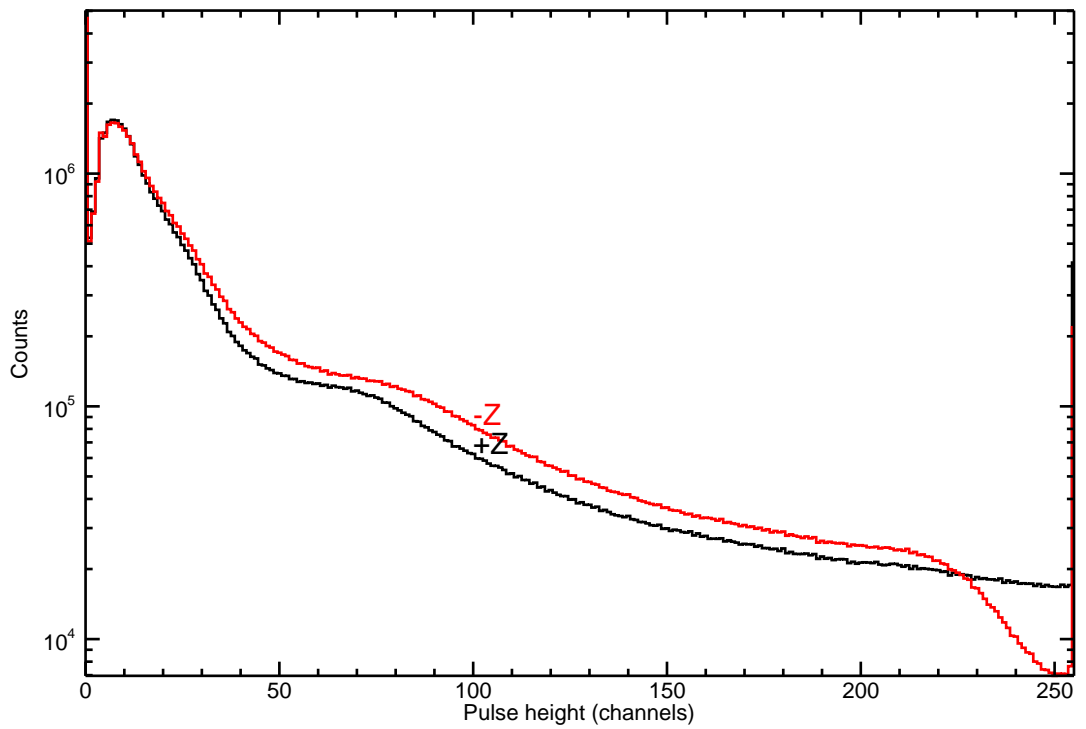


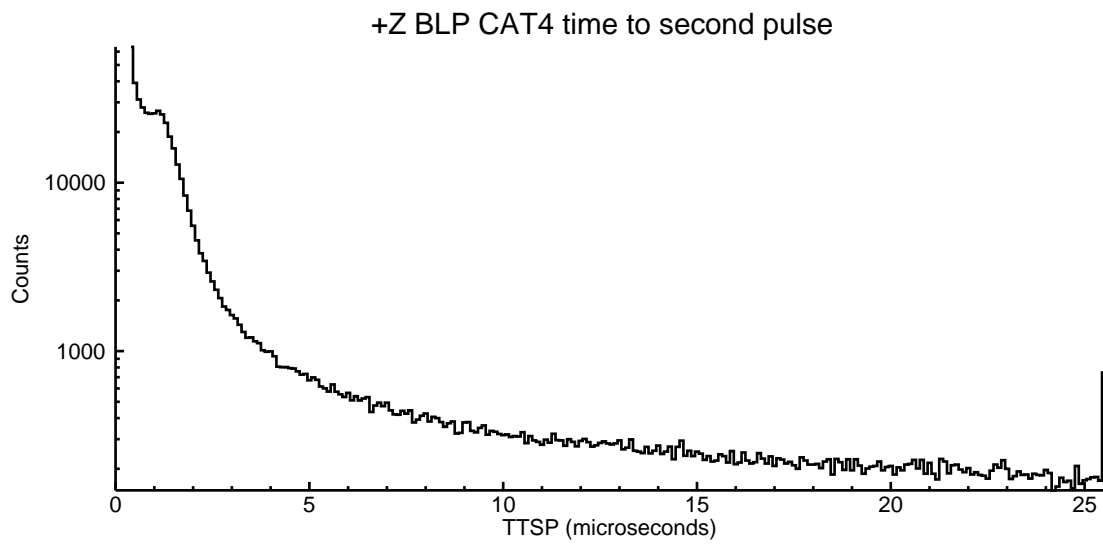
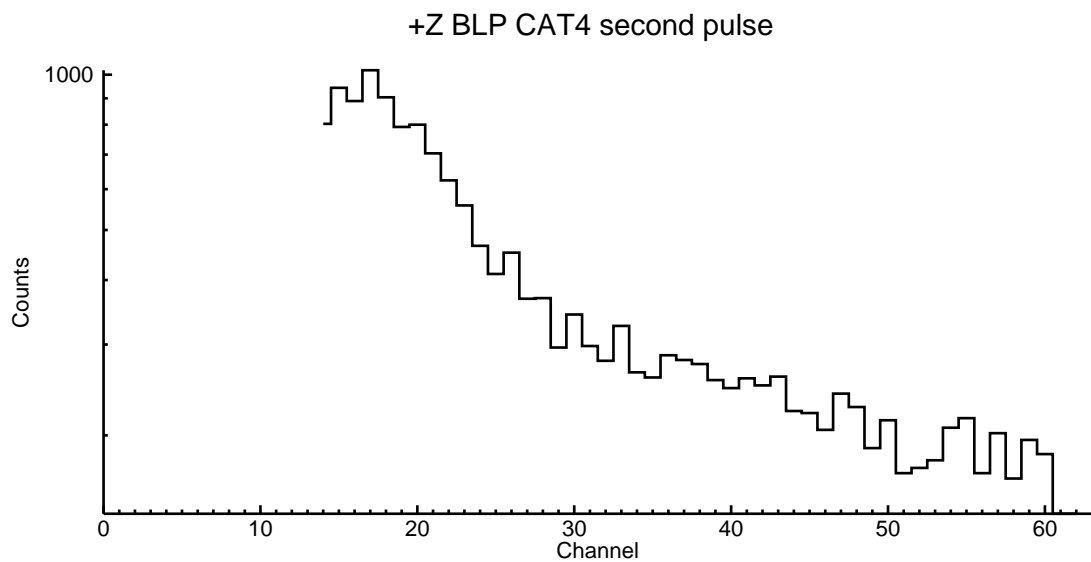
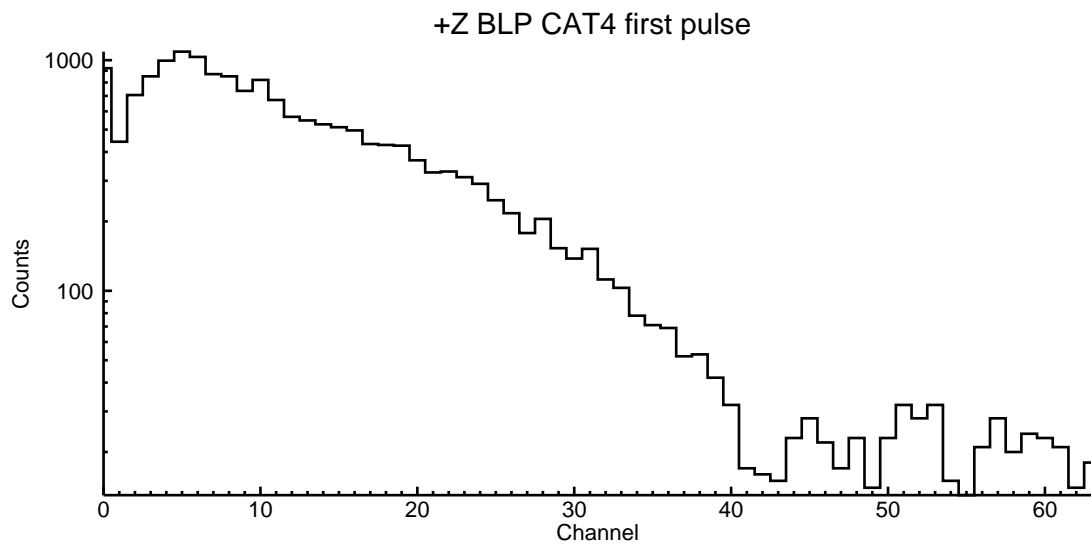


CAT10 CZT composite

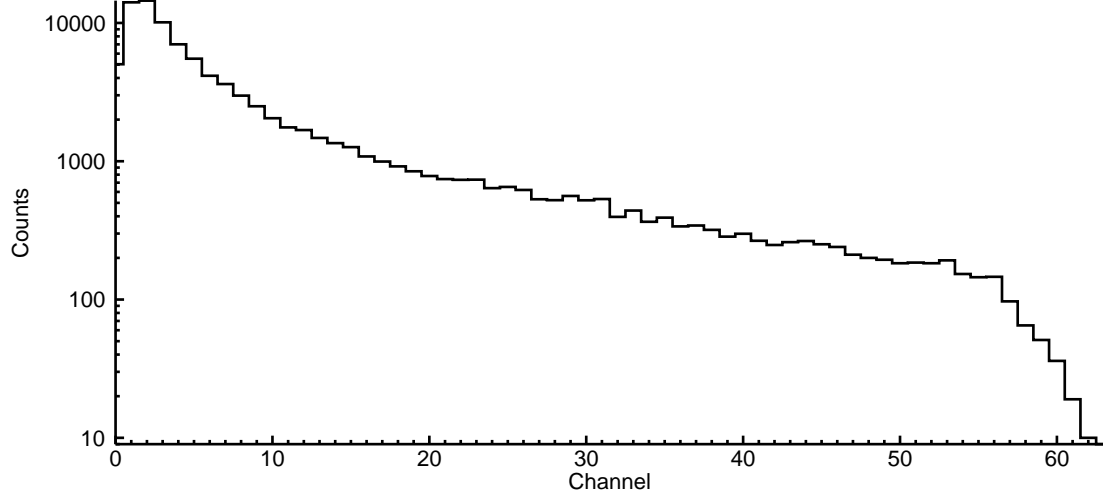


CAT1 histograms

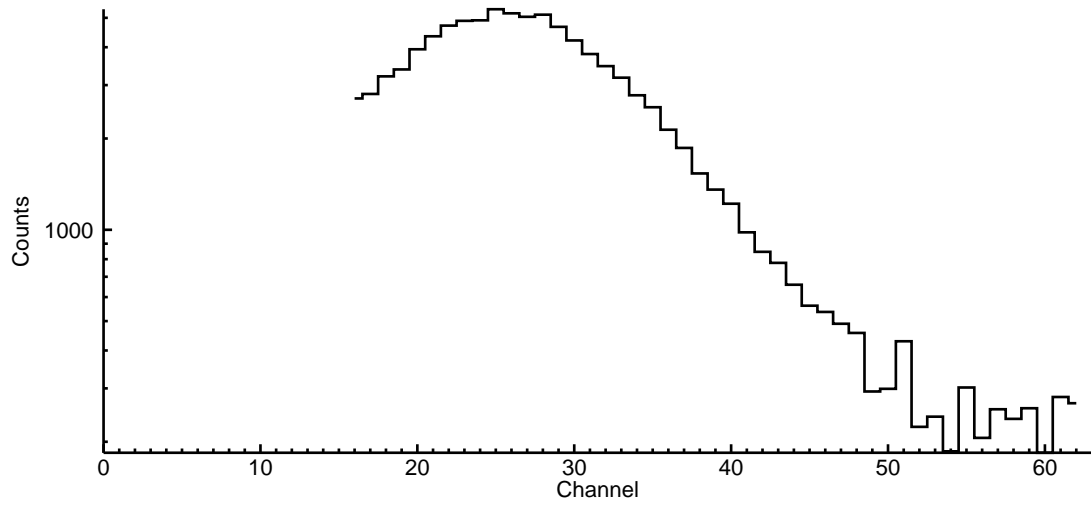




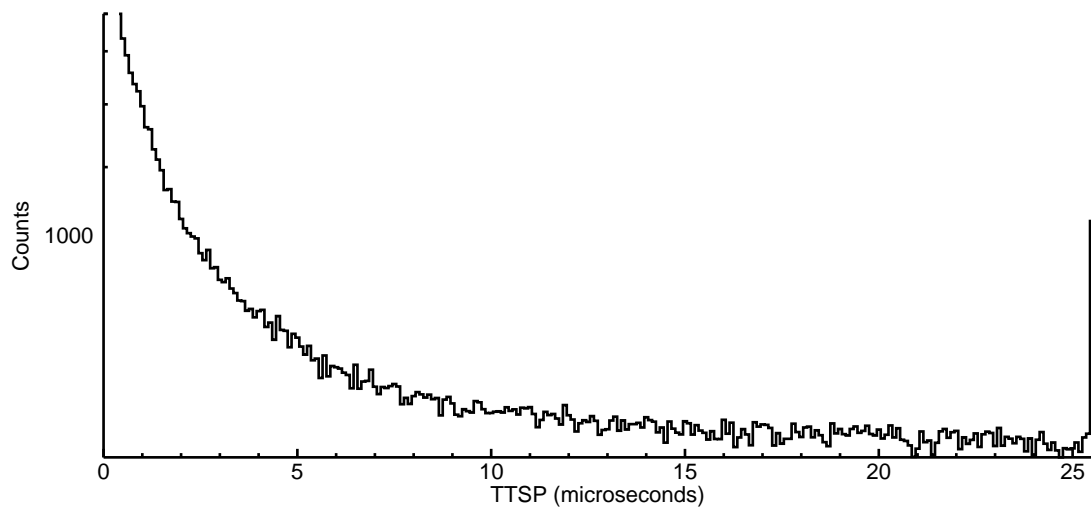
-Y BLP CAT4 first pulse

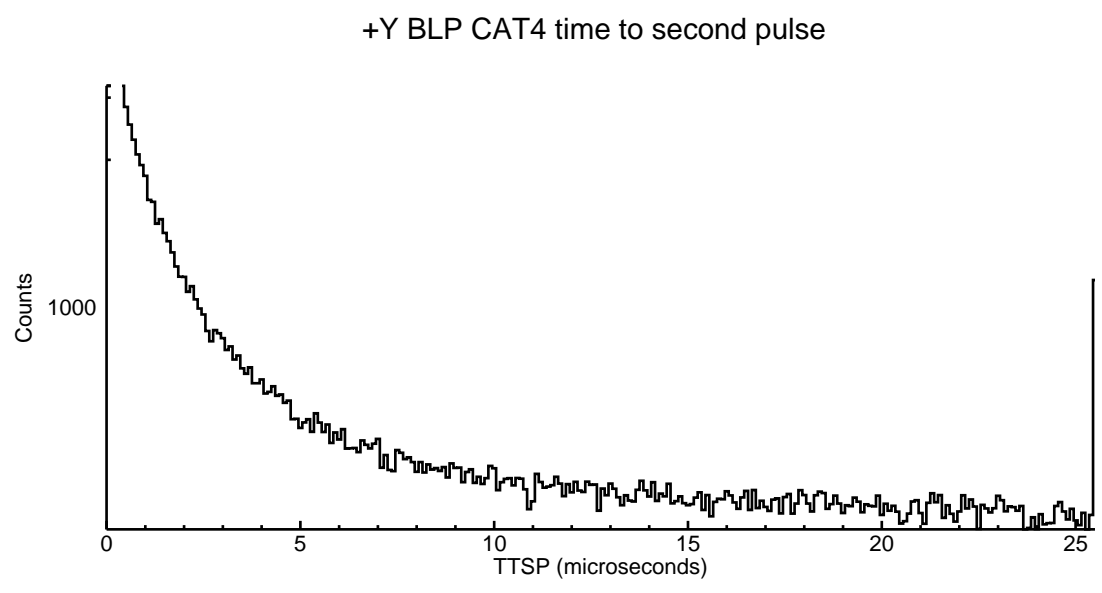
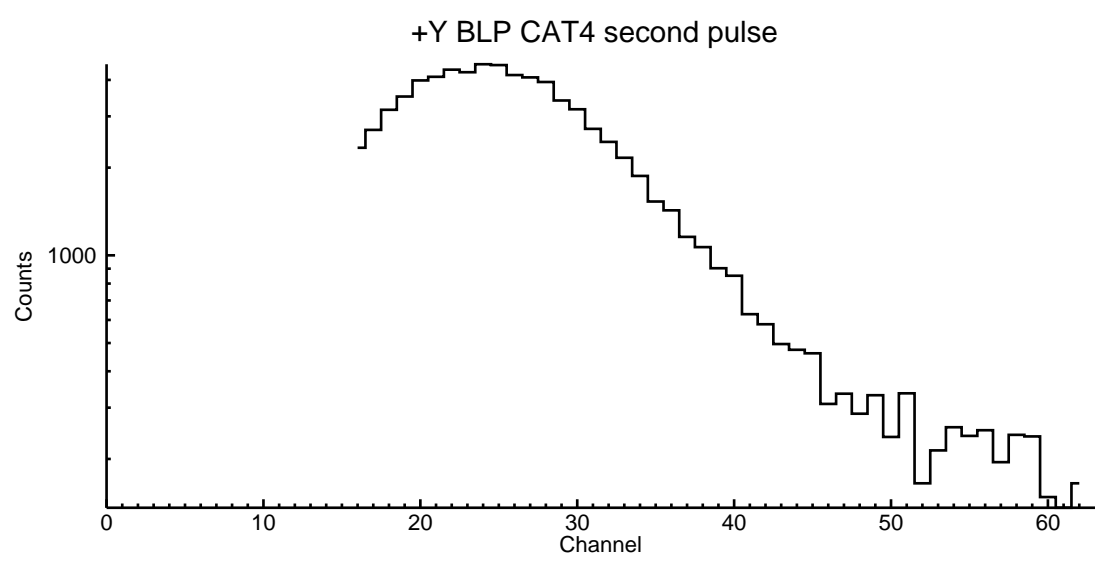
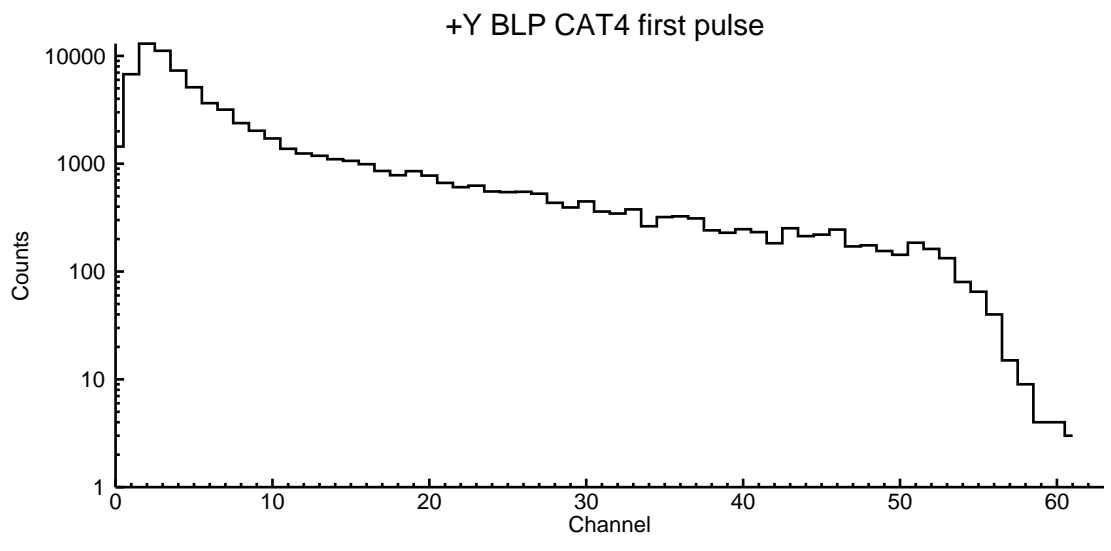


-Y BLP CAT4 second pulse

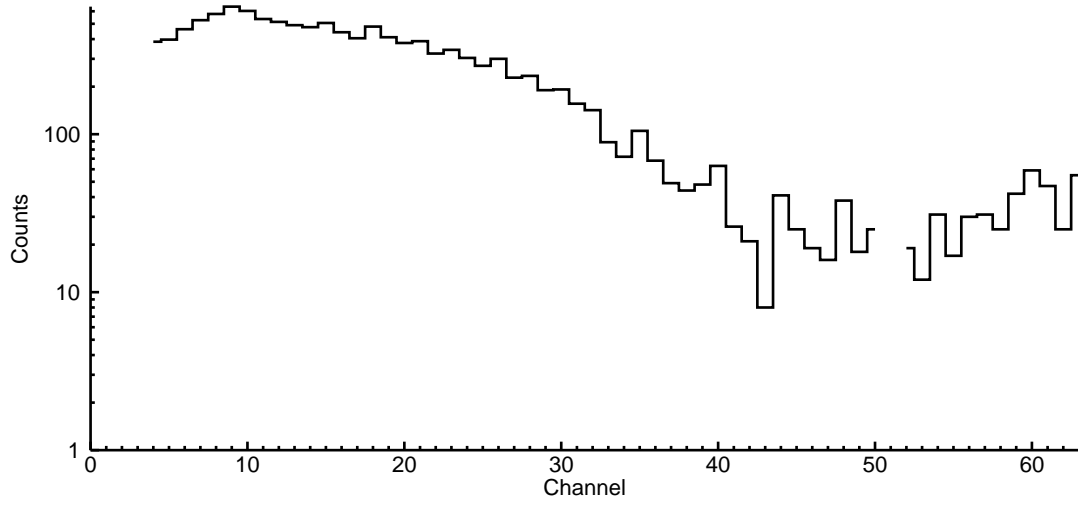


-Y BLP CAT4 time to second pulse

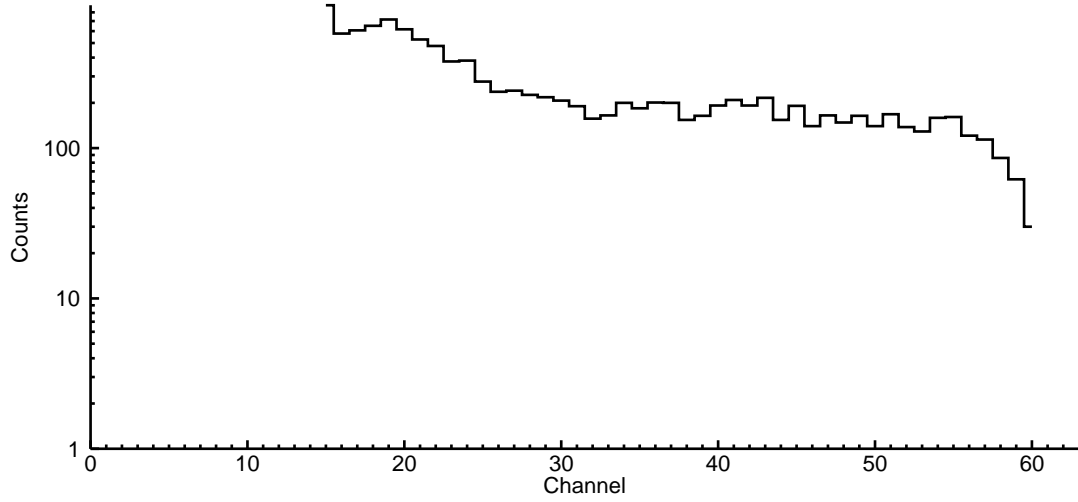




-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

