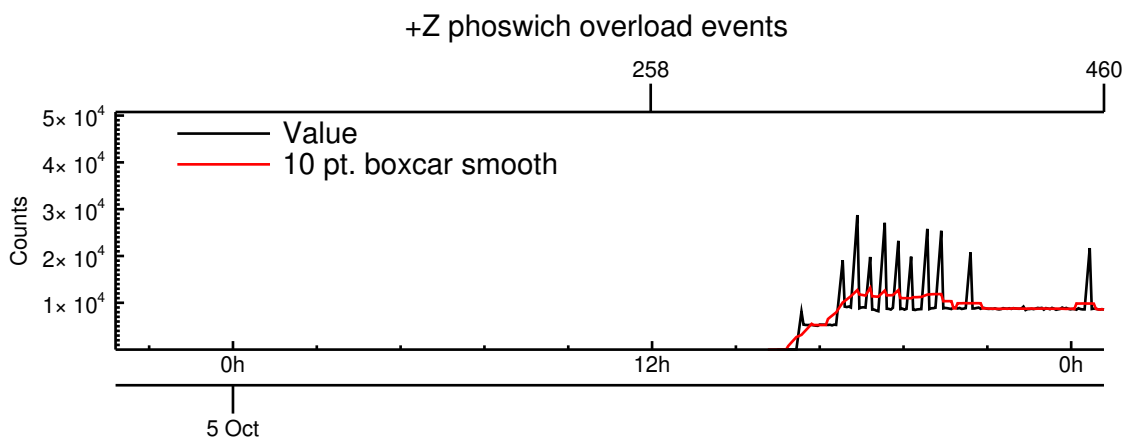
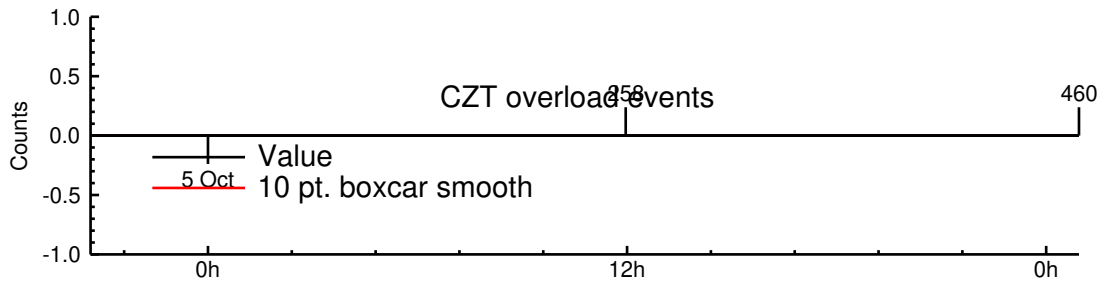
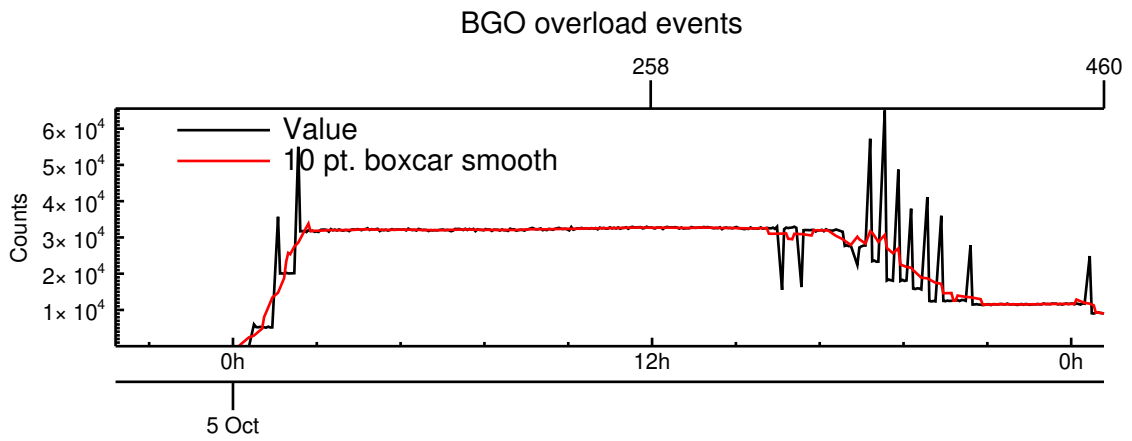
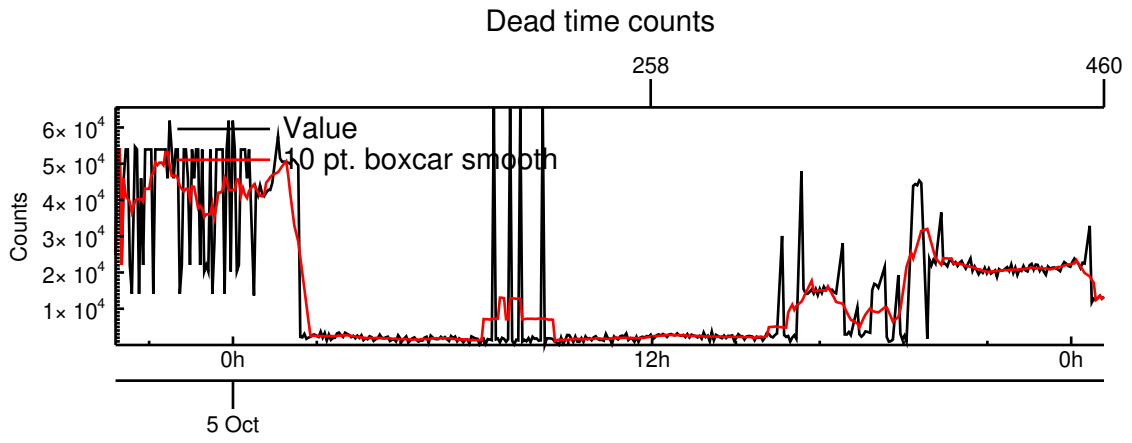
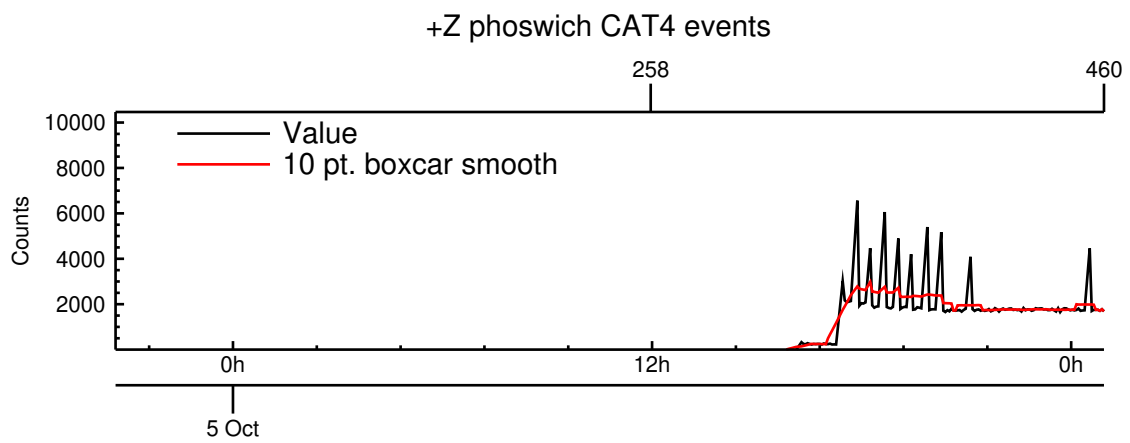
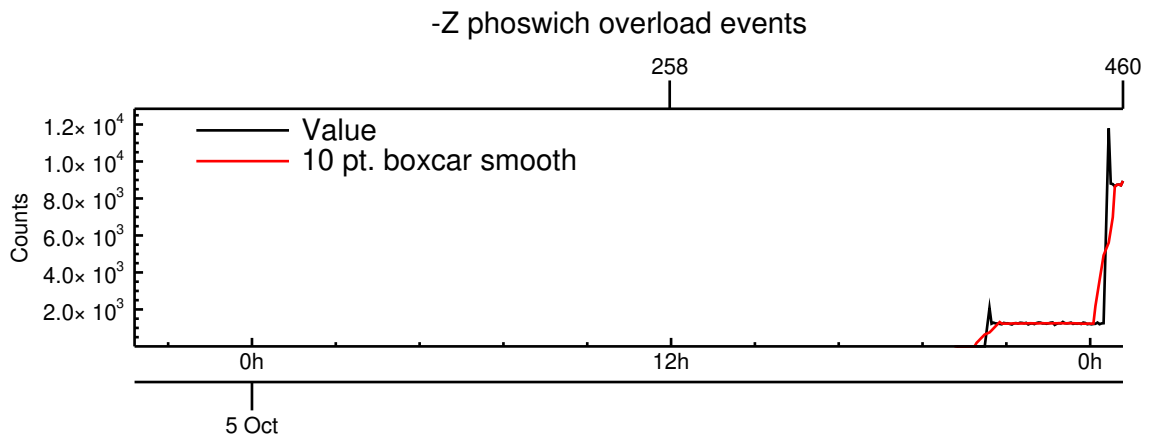
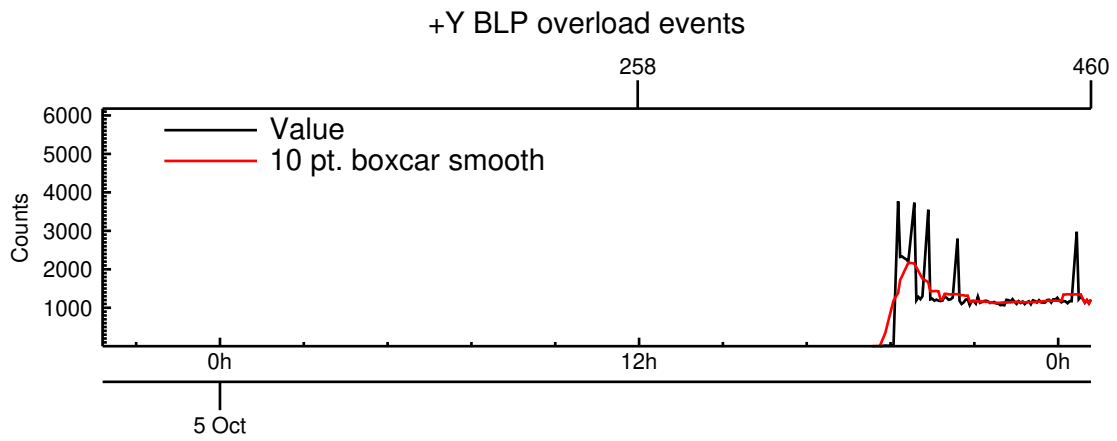
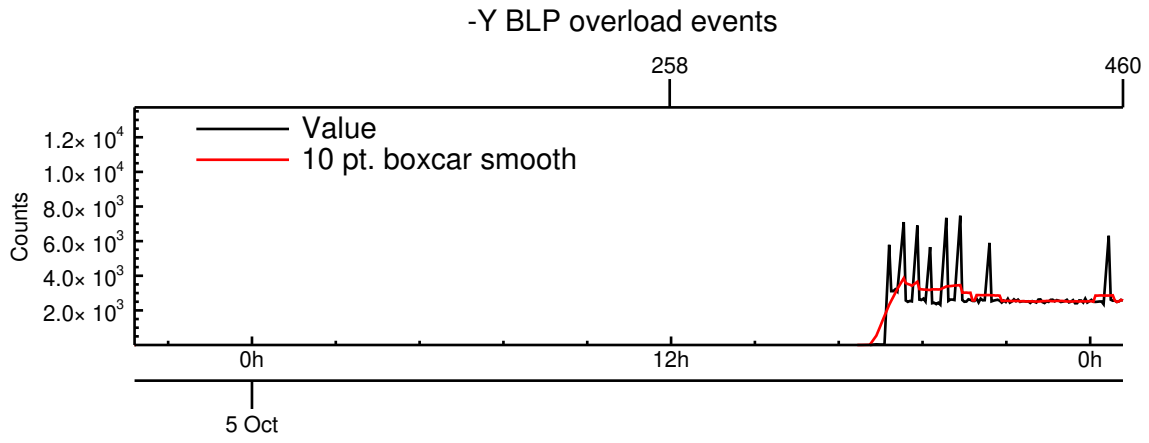


NASA Dawn Mission
 GRaND@Vesta Browse Charts
 GRD-L1A-111004-111006_130628

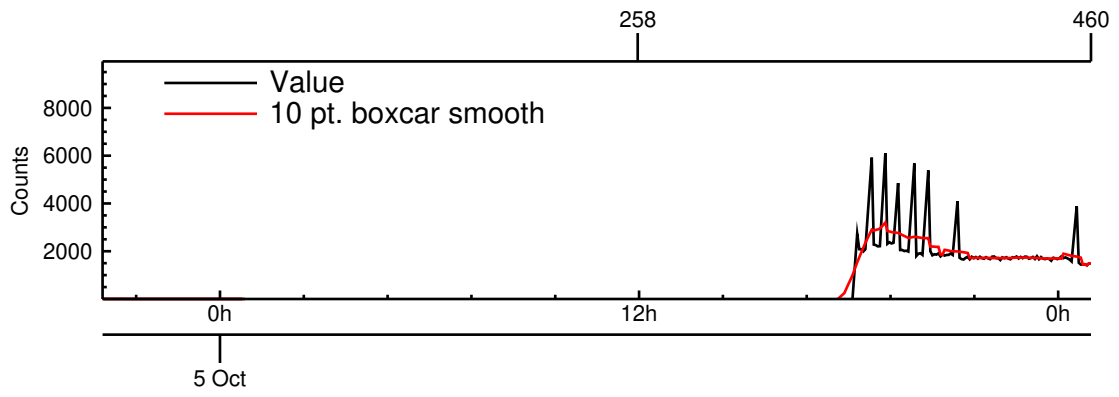
- Number of science records: 461
 0 missing science packets with 0 gaps.
 Start/End: 2011-10-04T20:38:56 to 2011-10-06T00:56:59
- Number of SOH records: 7276
 15785 missing SOH packets with 2 gaps.
 Start/End: 2011-09-29T00:00:36 to 2011-10-06T00:59:36
- Comments: Browse charts.
 - Provides an overview 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 = 119
- Instrument settings for first state (STATE_INDEX 0):

TELREADOUT	2000	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	0	NEMN_TOT_EVTS	2800
HVPS1	0	L_BGO_CW	1
HVPS1_SET	0	H_BGO_CW	64
HVPS2	0	L_BGO_ROI	1
HVPS2_SET	0	H_BGO_ROI	64
HVPS3	0	L_BLP_MY_CW	1
HVPS3_SET	0	H_BLP_MY_CW	64
HVPS4	0	L_BLP_MY_ROI	1
HVPS4_SET	0	H_BLP_MY_ROI	64
HVPS5	0	L_BLP_PY_CW	1
HVPS5_SET	0	H_BLP_PY_CW	64
HVPS6	0	L_BLP_PY_ROI	1
HVPS6_SET	0	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
	0010001000000010	H_BLP_PZ_CW	64
		L_BLP_PZ_ROI	1
		H_BLP_PZ_ROI	64

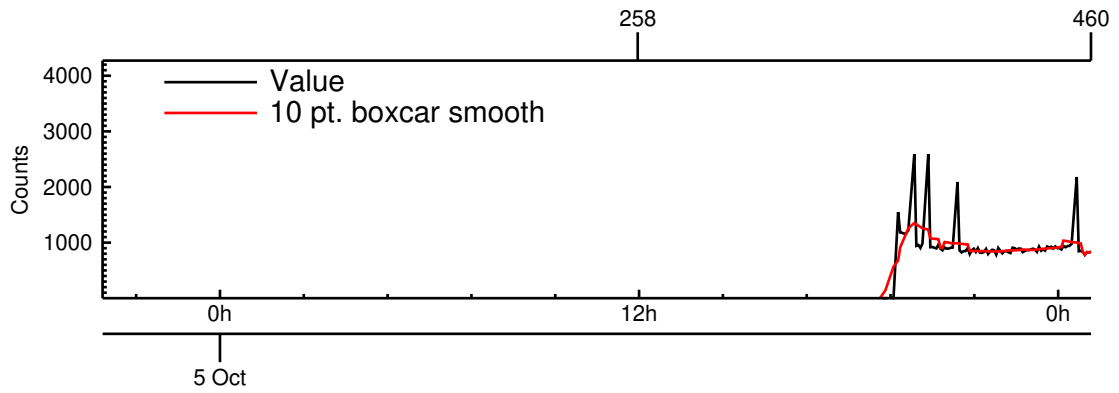




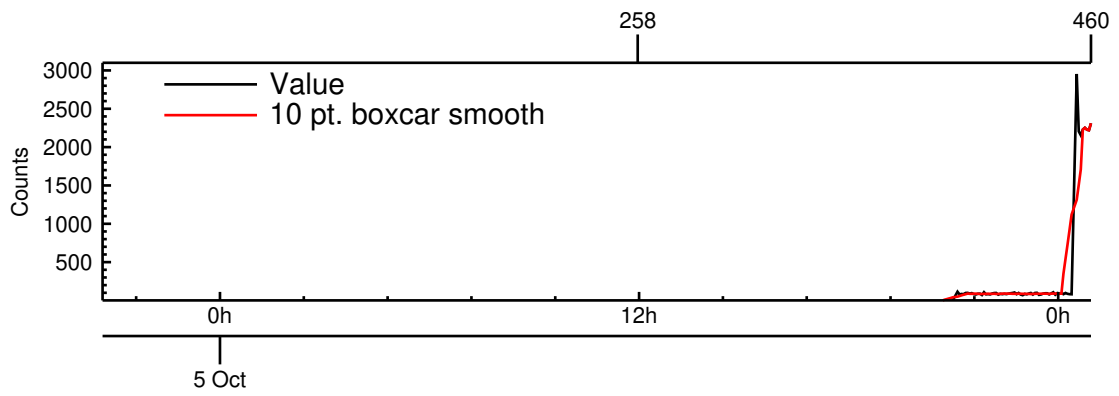
-Y BLP CAT4 events



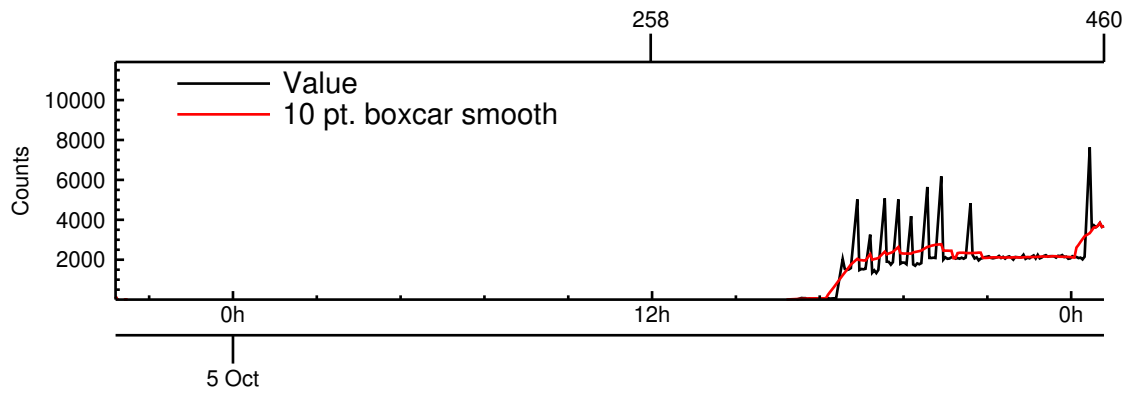
+Y BLP CAT4 events

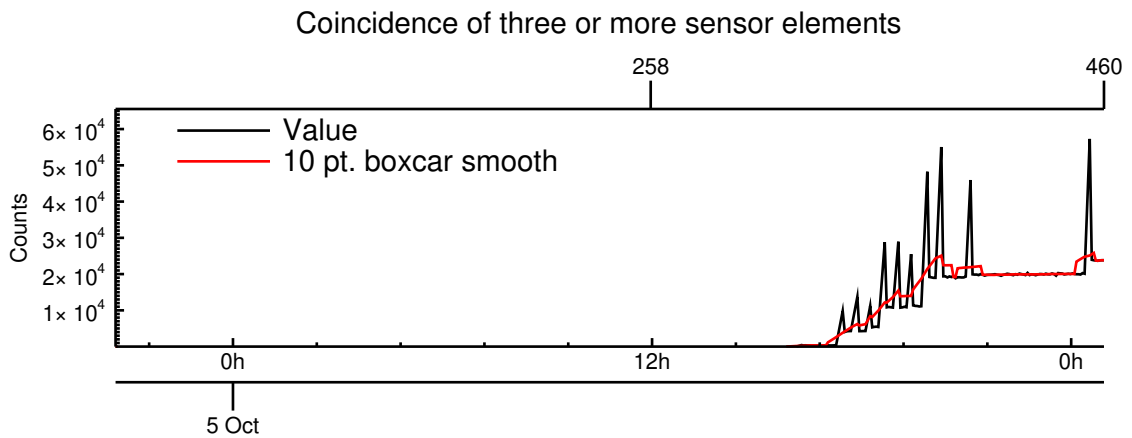
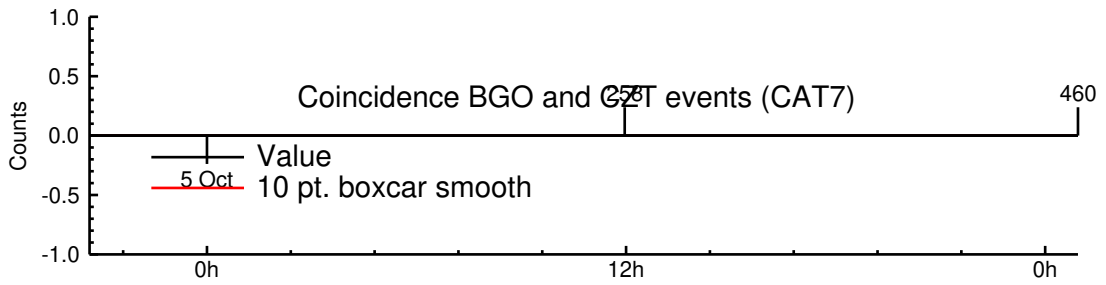
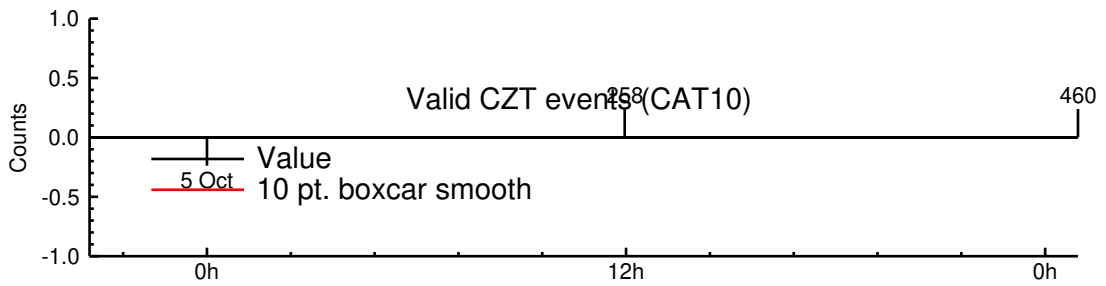
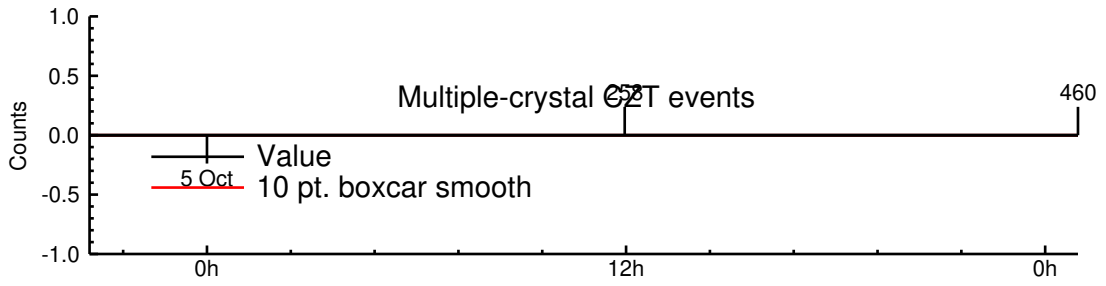


-Z phoswich CAT4 events

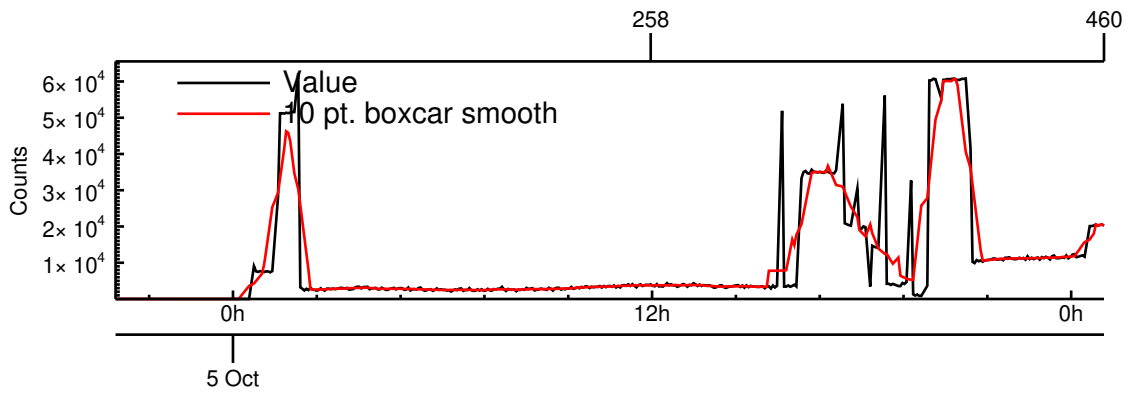


Early second interaction events

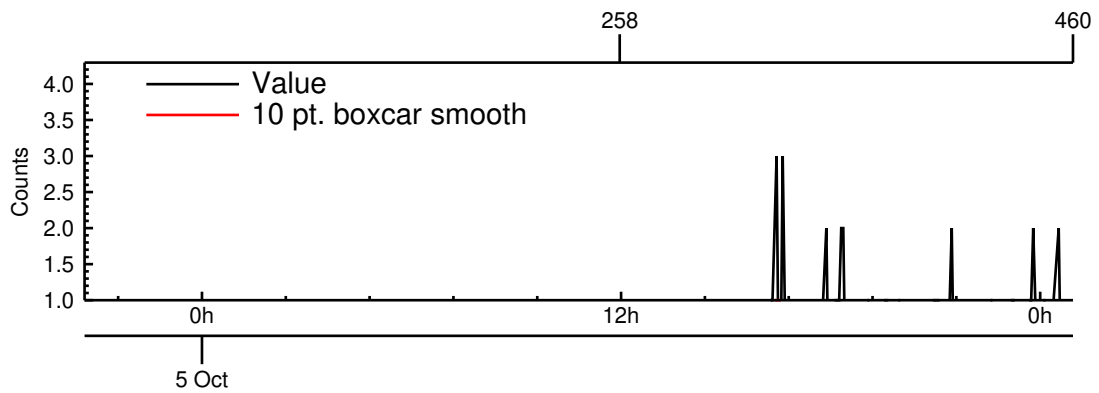




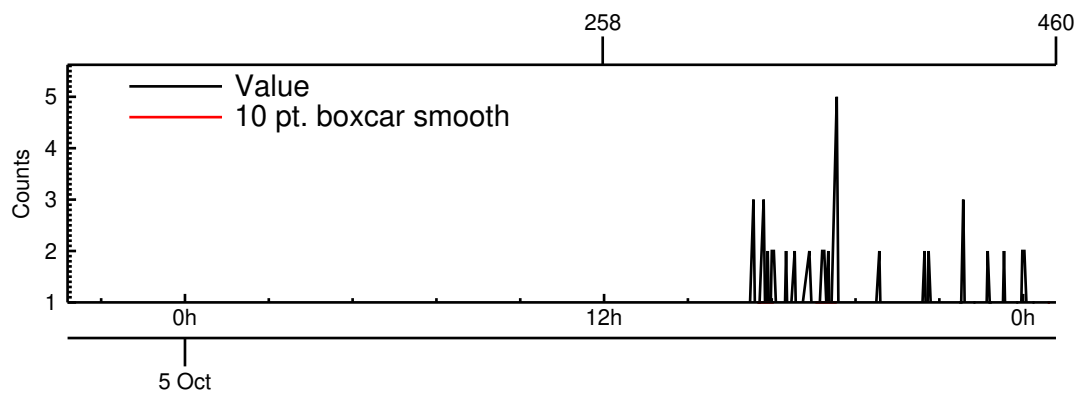
Total events processed by GRaND



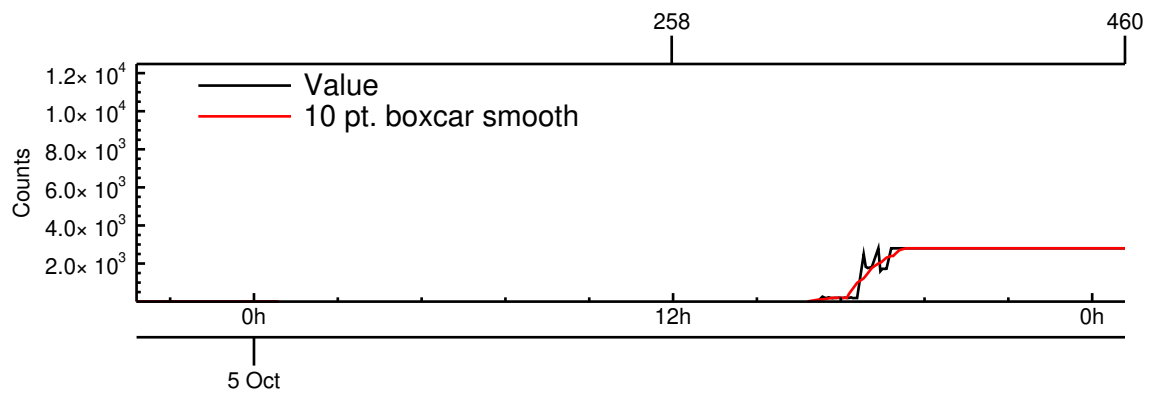
Number of single CZT events (CAT10) in the gamma ray event buffer



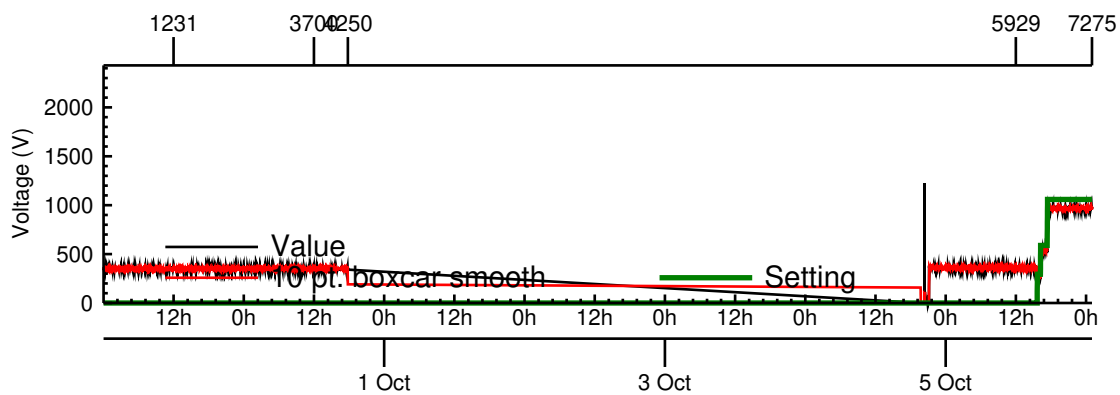
Number of BGO-CZT events (CAT7) in the gamma ray event buffer



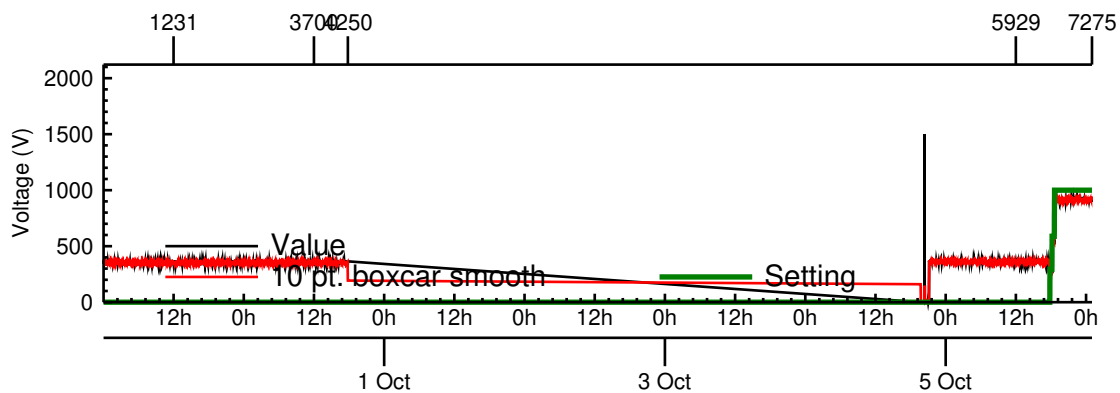
Number of events (CAT4) in the neutron event buffer



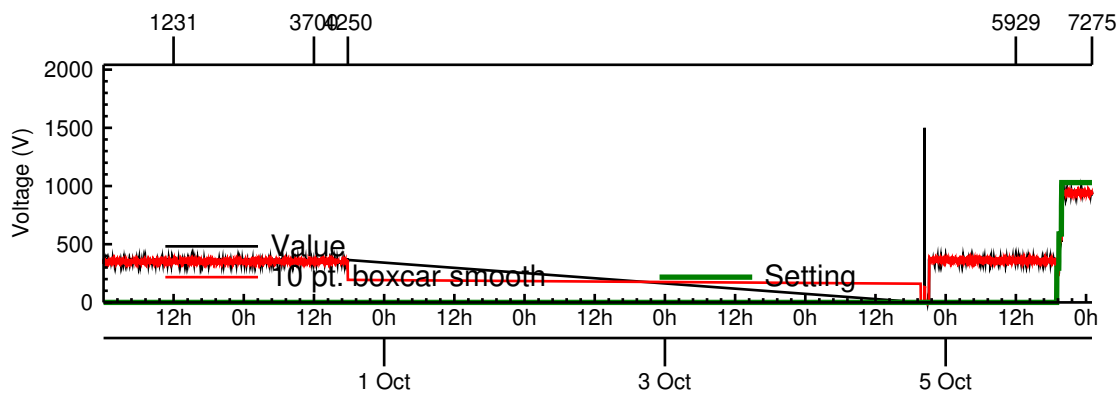
HVPS1 (+Z)



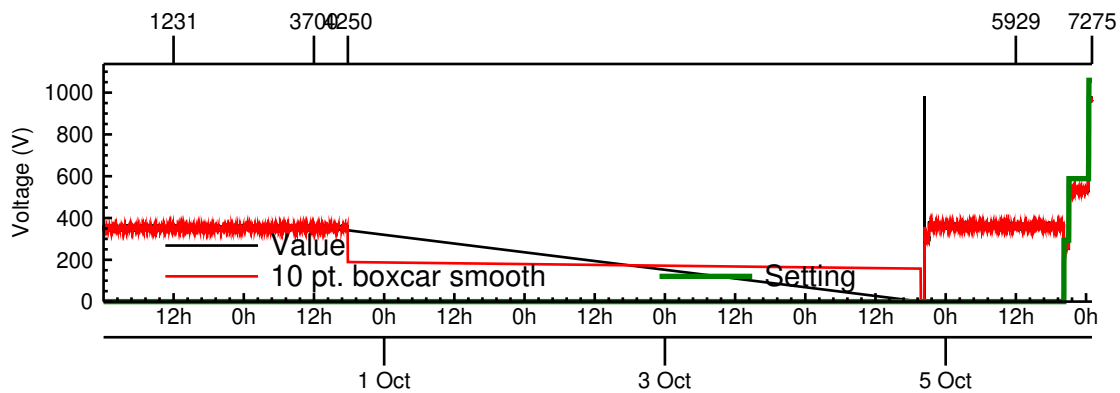
HVPS2 (-Y)



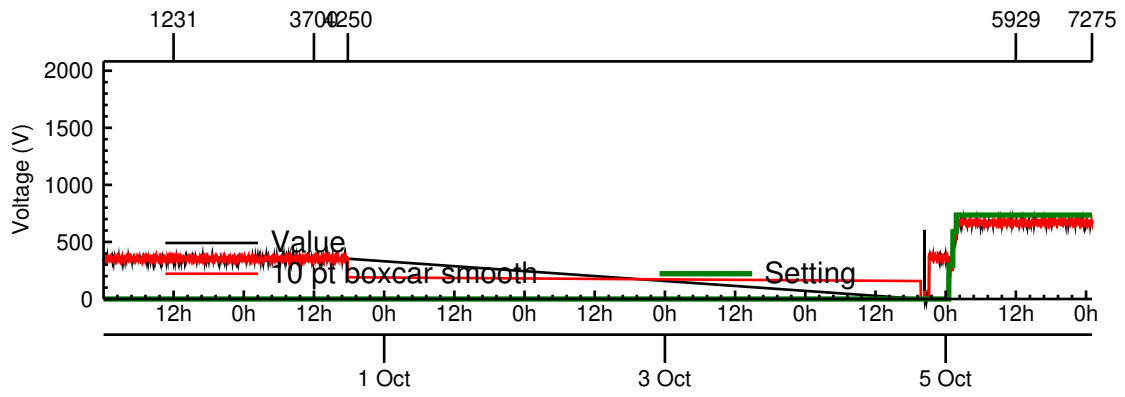
HVPS3 (+Y)



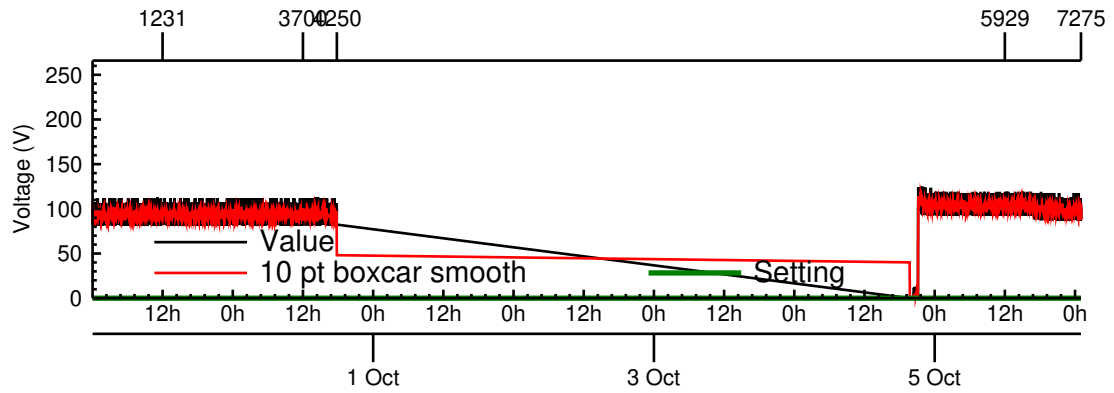
HVPS4 (-Z)



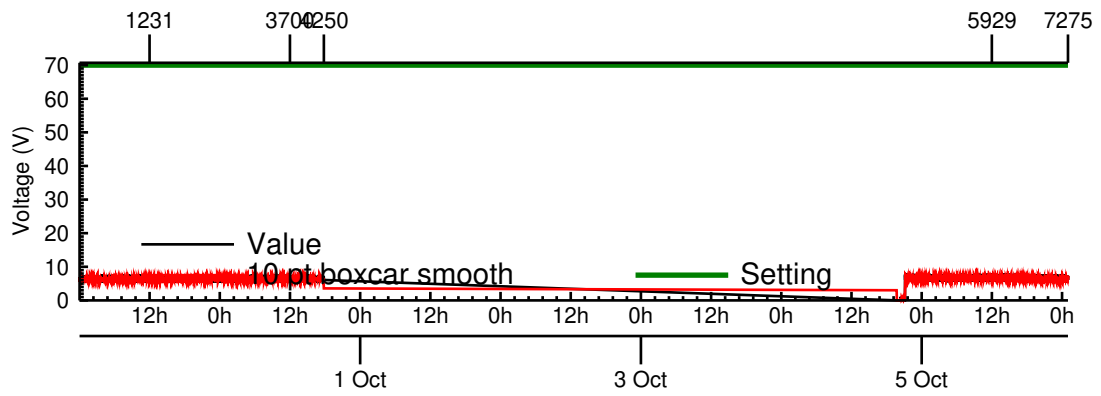
HVPS5 (BGO)



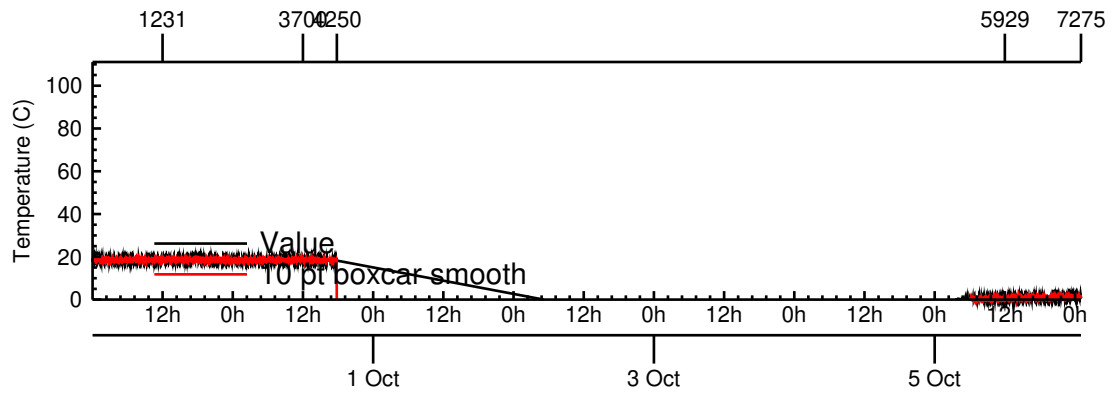
HVPS6 (CZT)



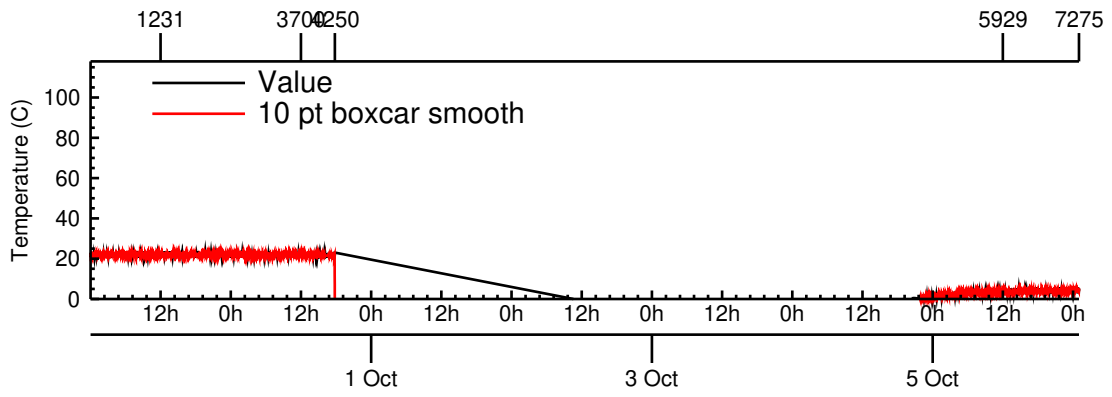
HVPS70 (CZT grid bias)



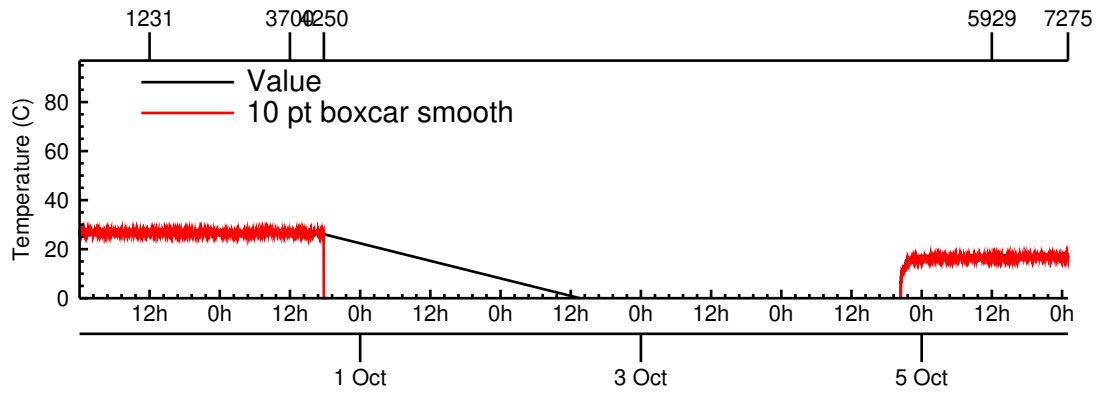
TCZT<1,2,3>



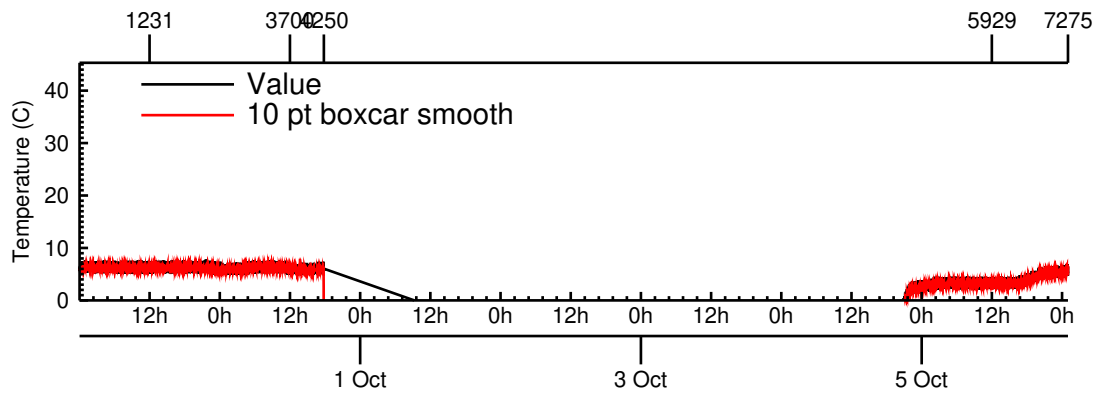
TCZT4



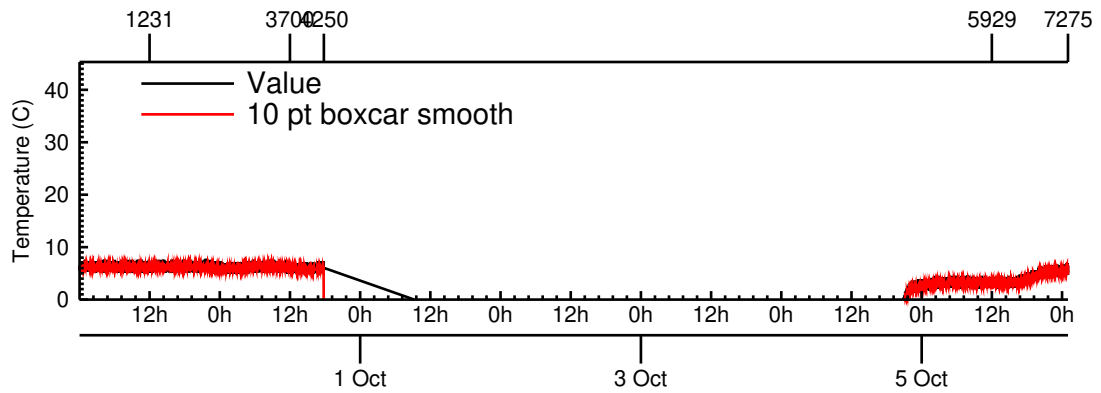
TLVPS



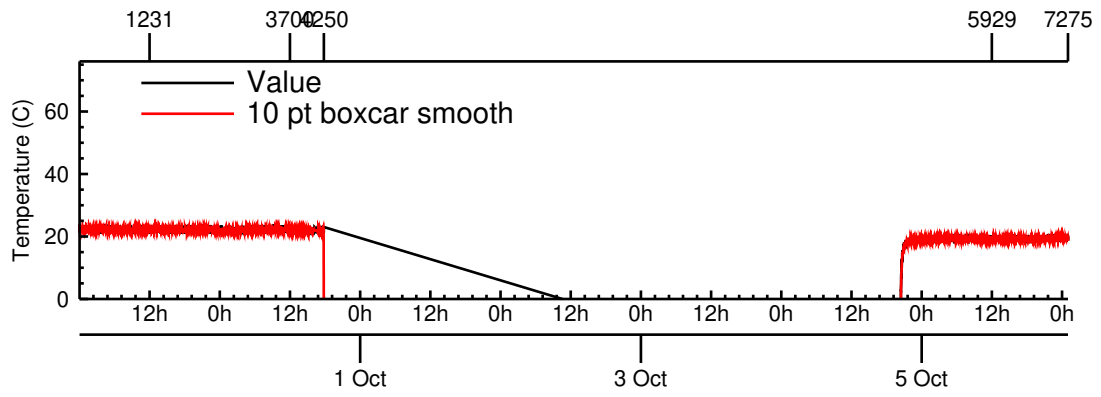
THVPS



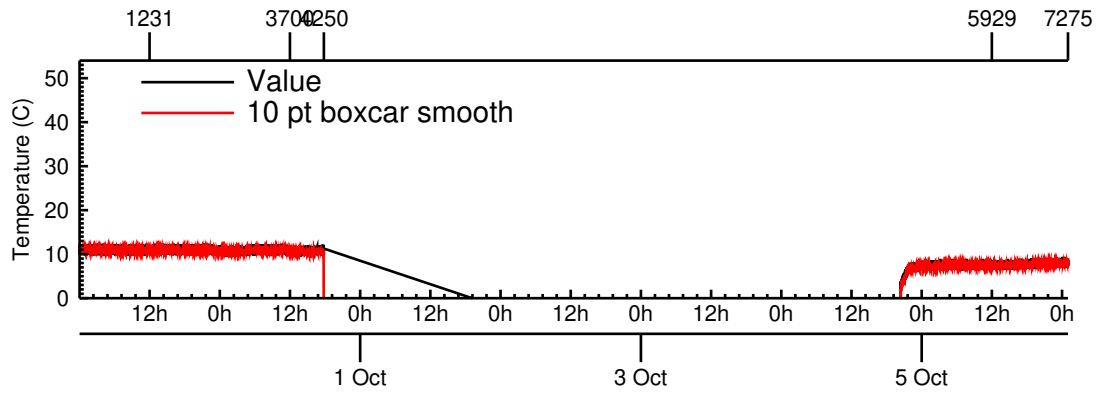
TBGO



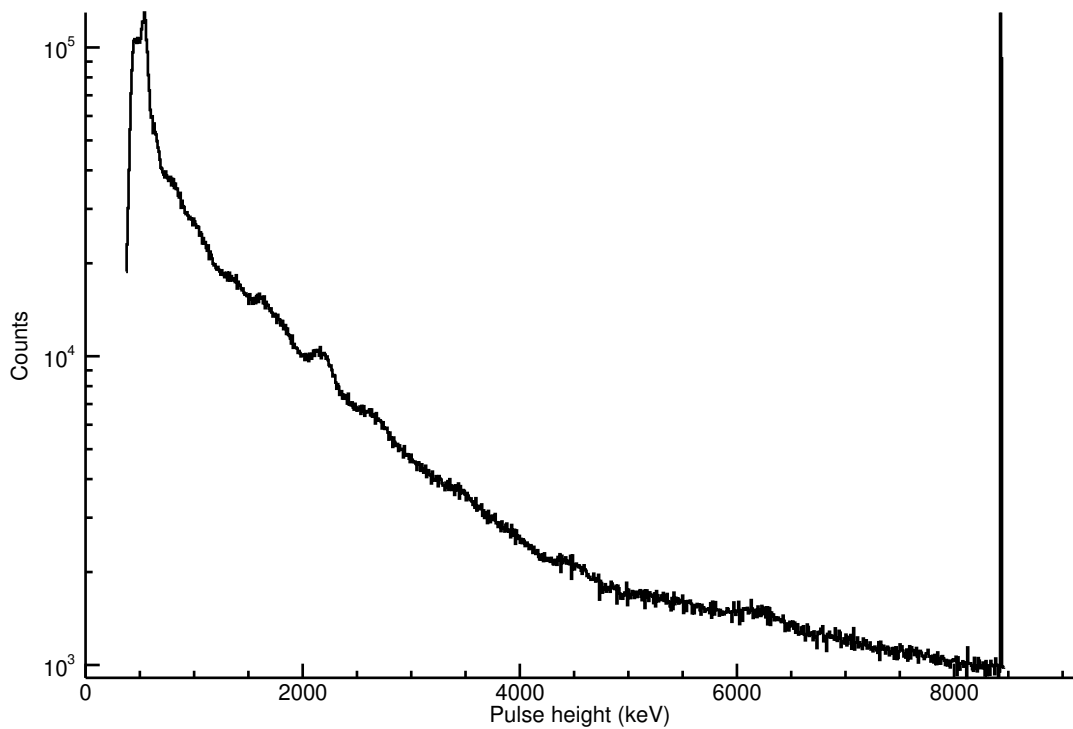
TPMT



TINTERFACE



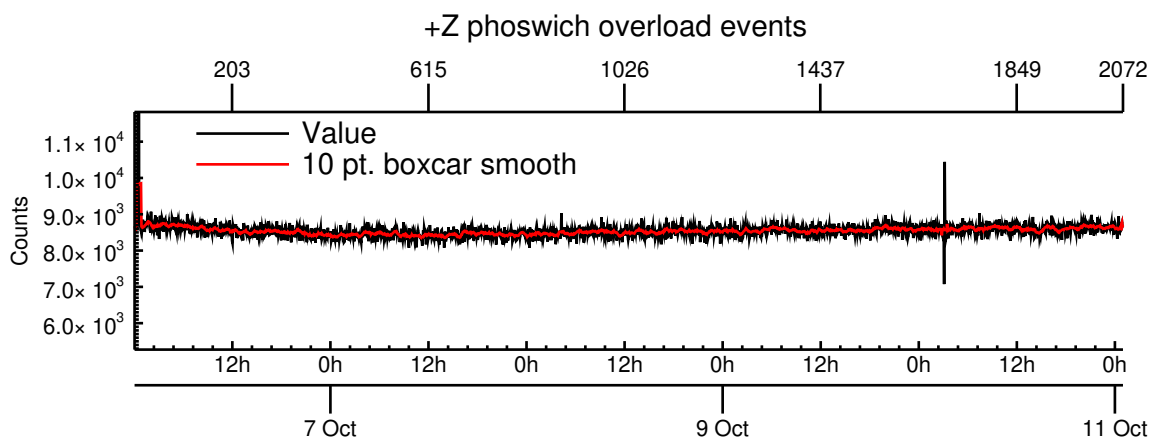
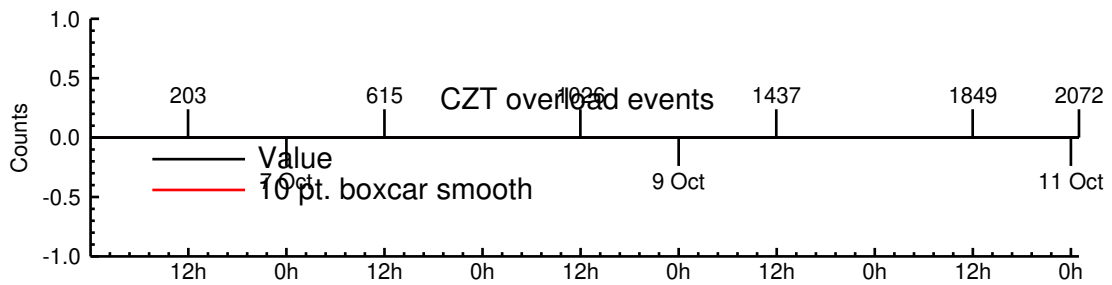
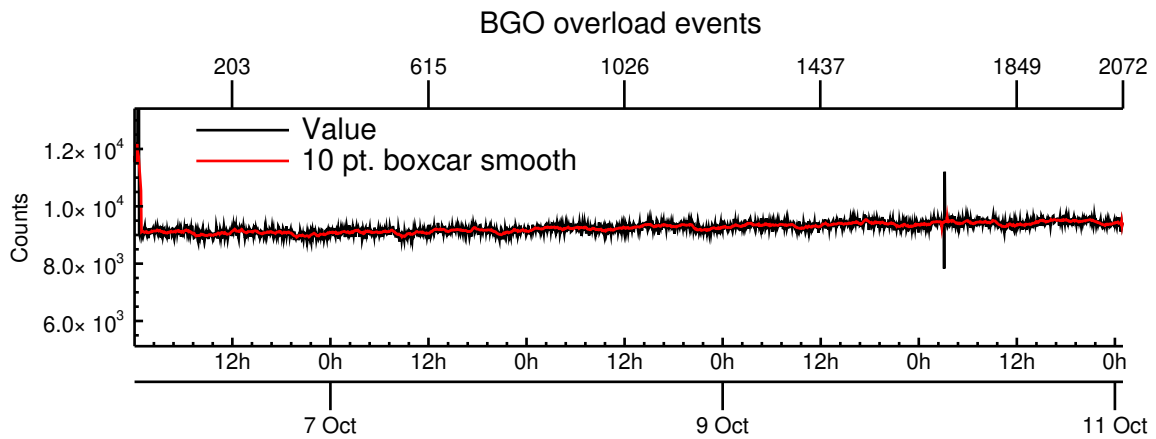
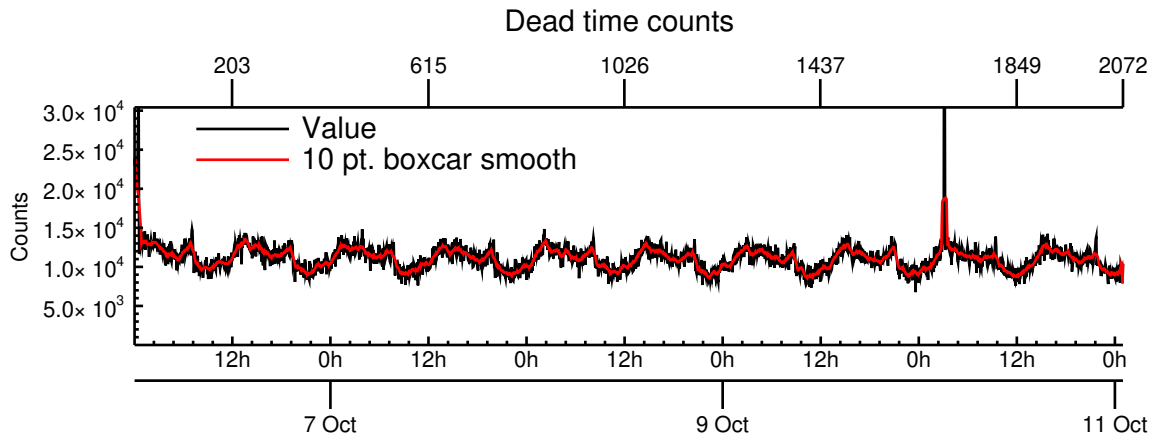
BGO Pulse Height Spectrum



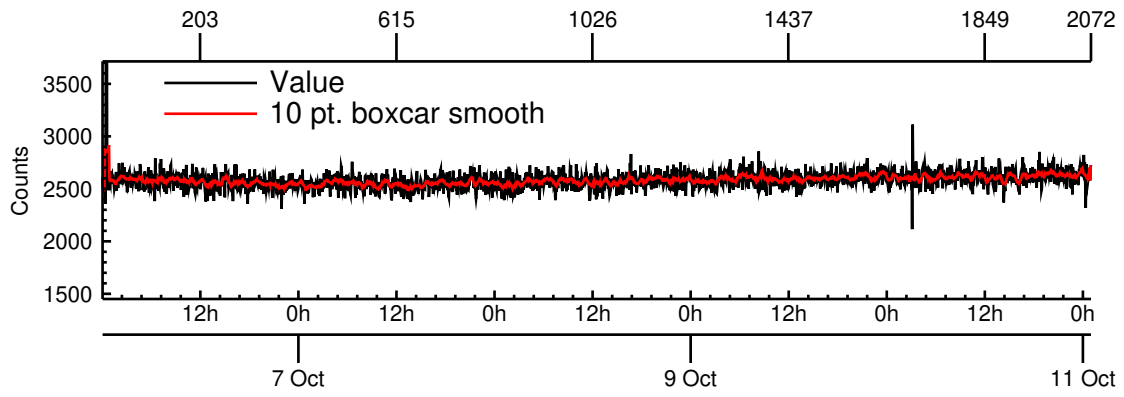
NASA Dawn Mission
 GRaND@Vesta Browse Charts
 GRD-L1A-111006-111011_130628

- Number of science records: 2073
 0 missing science packets with 0 gaps.
 Start/End: 2011-10-06T00:02:41 to 2011-10-11T00:59:59
- Number of SOH records: 12418
 29 missing SOH packets with 9 gaps.
 Start/End: 2011-10-06T00:00:36 to 2011-10-11T00:59:36
- 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 = 10
- Instrument settings for first state (STATE_INDEX 0):

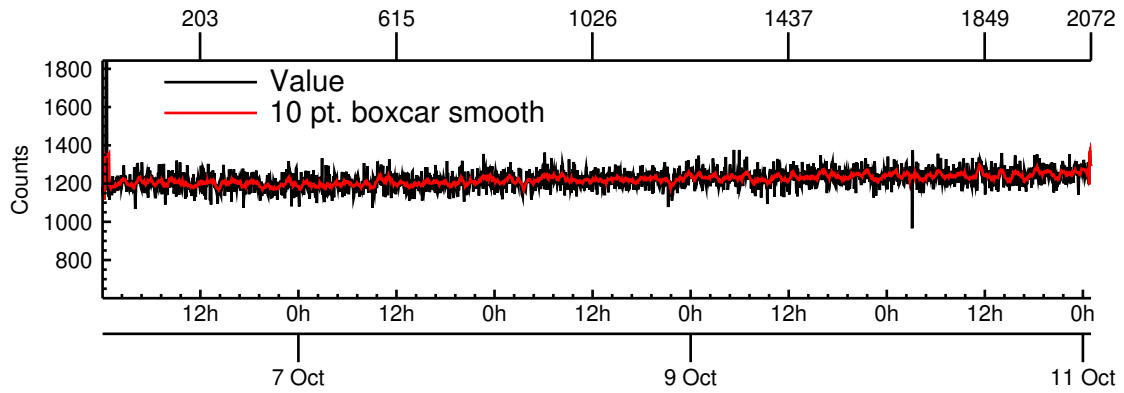
TELREADOUT	210	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	1	NEMN_TOT_EVTS	2800
HVPS1	1	L_BGO_CW	1
HVPS1_SET	180	H_BGO_CW	64
HVPS2	1	L_BGO_ROI	1
HVPS2_SET	170	H_BGO_ROI	64
HVPS3	1	L_BLP_MY_CW	1
HVPS3_SET	175	H_BLP_MY_CW	64
HVPS4	1	L_BLP_MY_ROI	1
HVPS4_SET	100	H_BLP_MY_ROI	64
HVPS5	1	L_BLP_PY_CW	1
HVPS5_SET	125	H_BLP_PY_CW	64
HVPS6	0	L_BLP_PY_ROI	1
HVPS6_SET	0	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	0	H_BLP_MZ_ROI	64
CZT_ENABLES		L_BLP_PZ_CW	1
	0010001000000010	H_BLP_PZ_CW	64
		L_BLP_PZ_ROI	1
		H_BLP_PZ_ROI	64



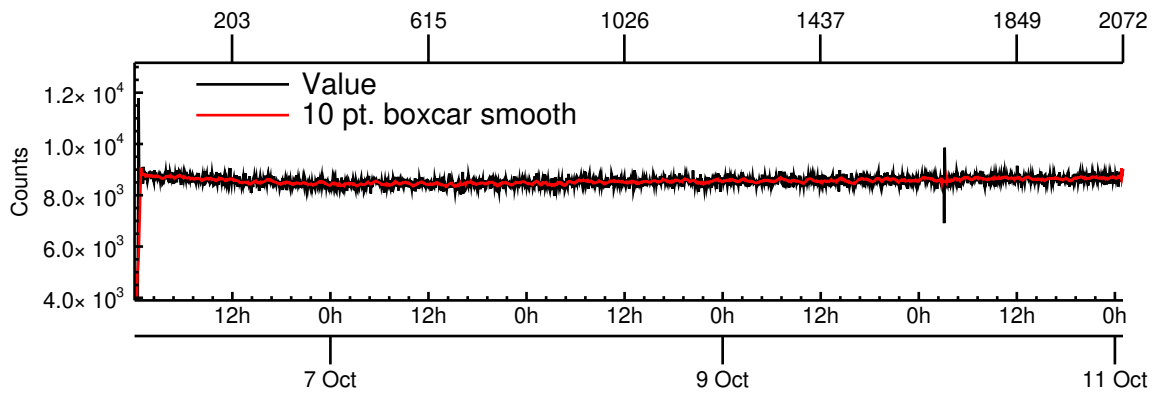
-Y BLP overload events



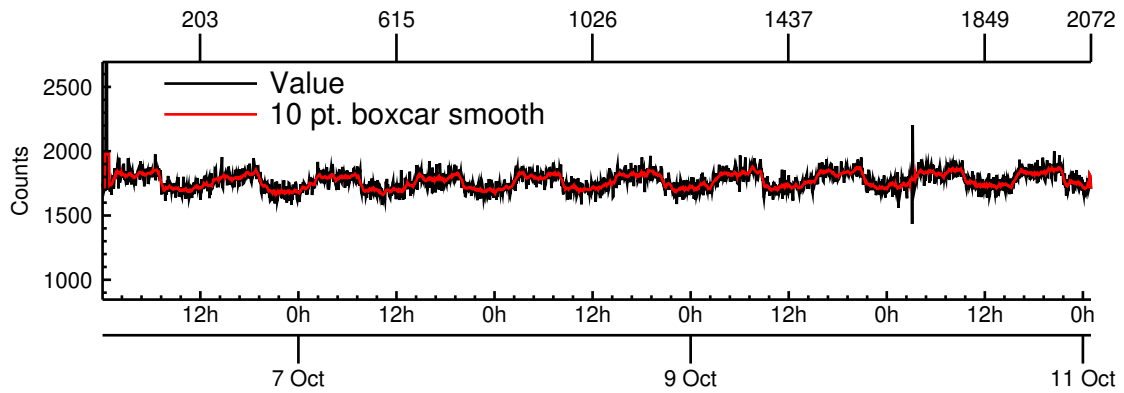
+Y BLP overload events

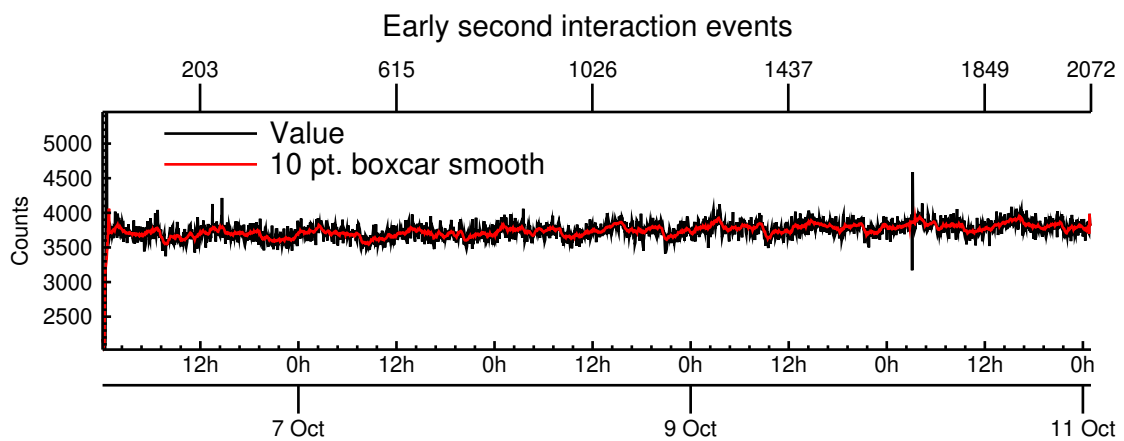
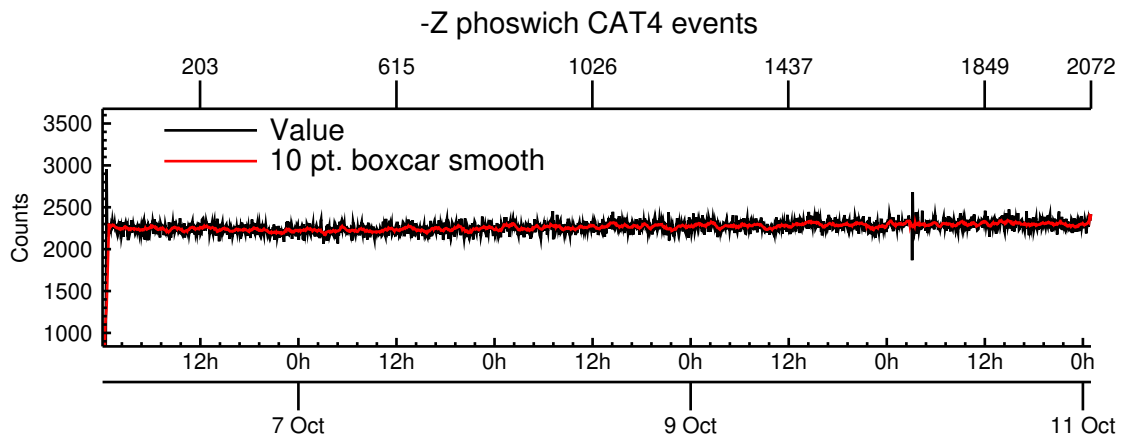
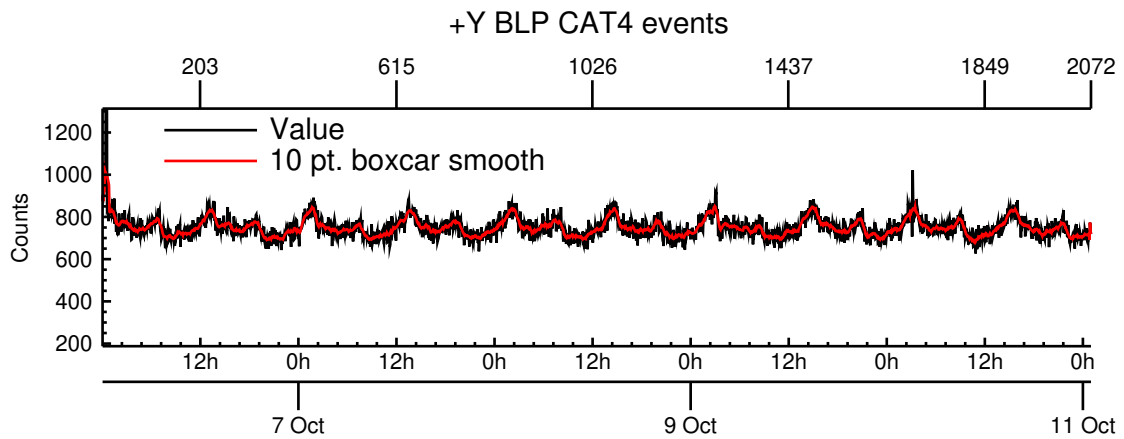
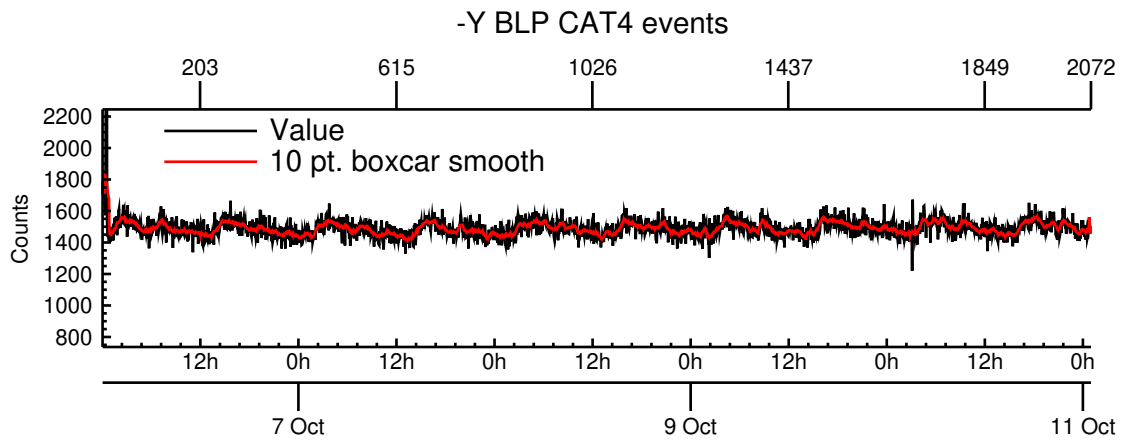


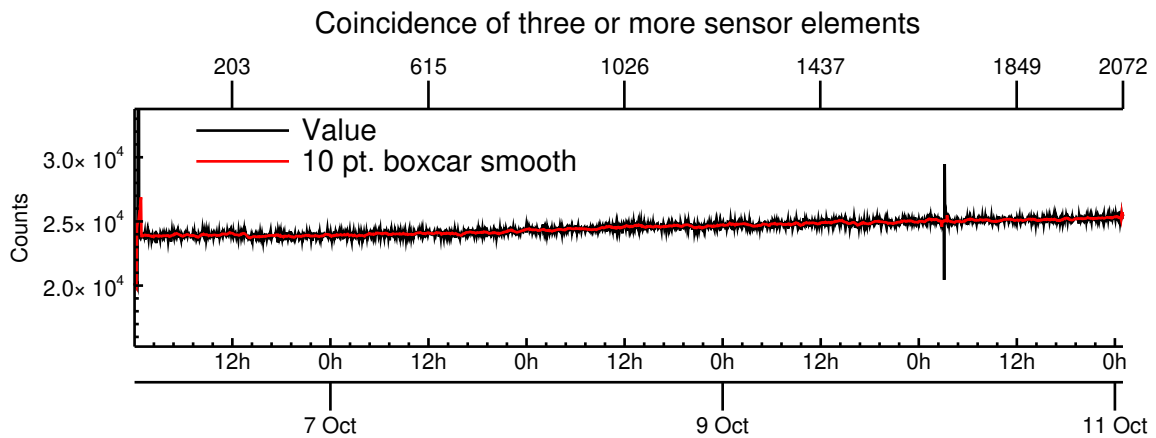
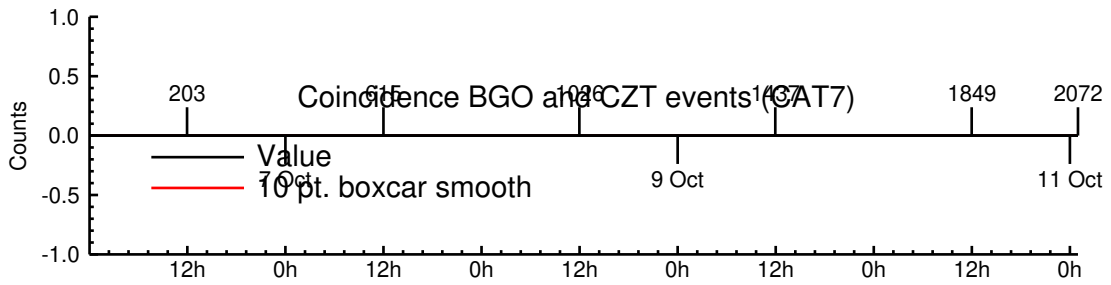
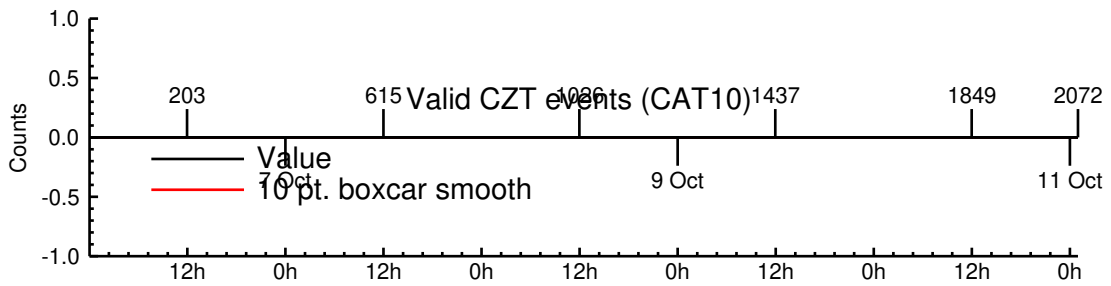
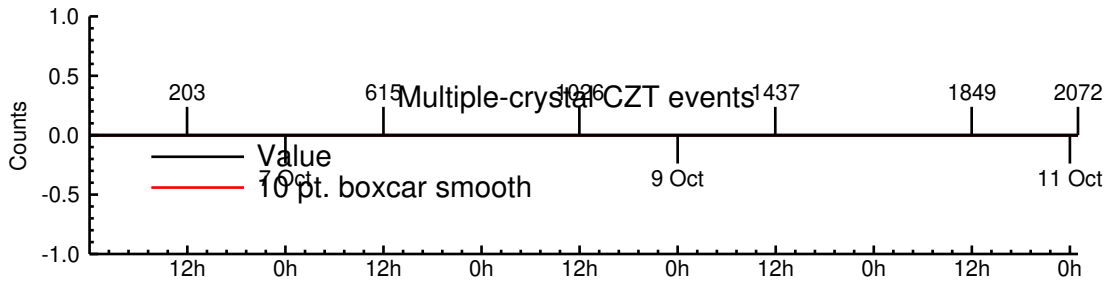
-Z phoswich overload events

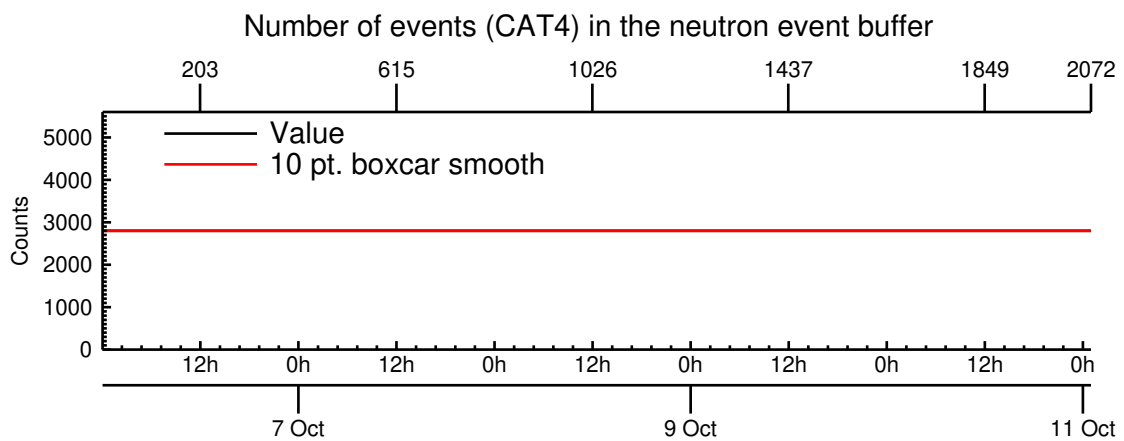
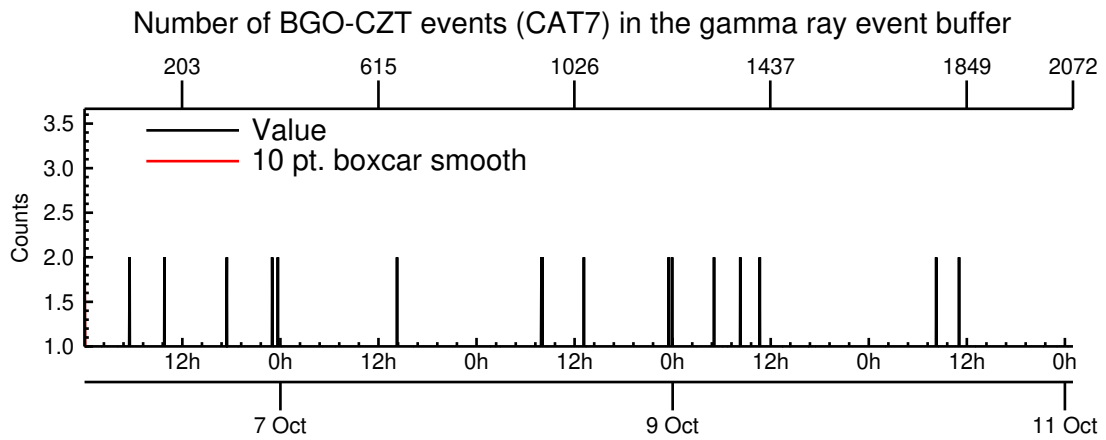
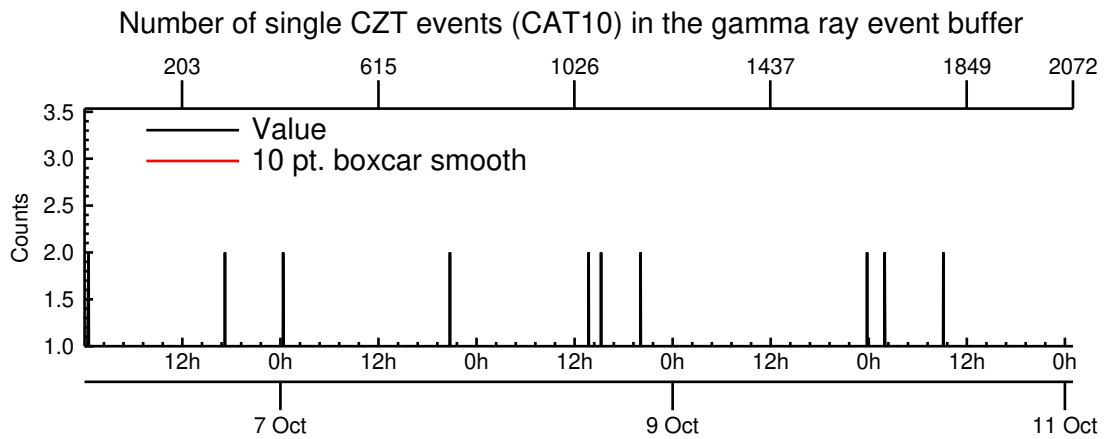
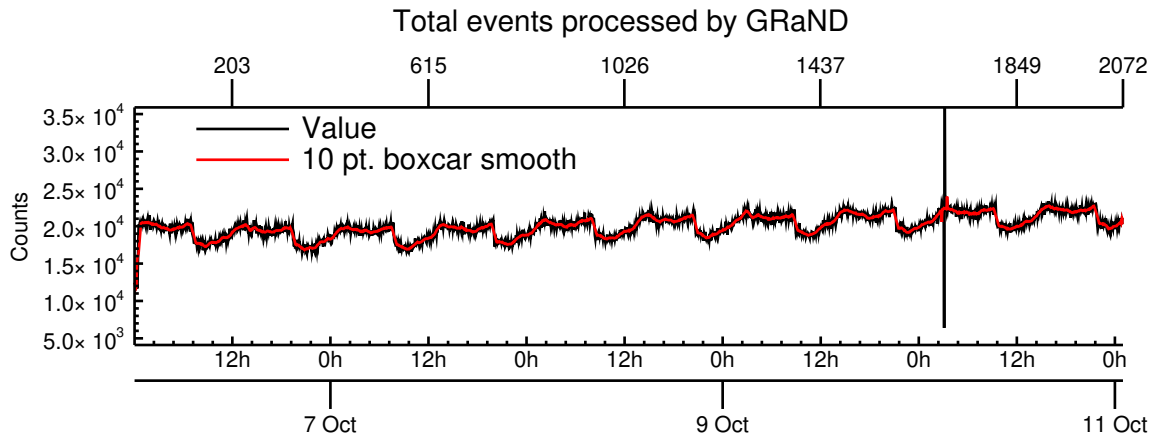


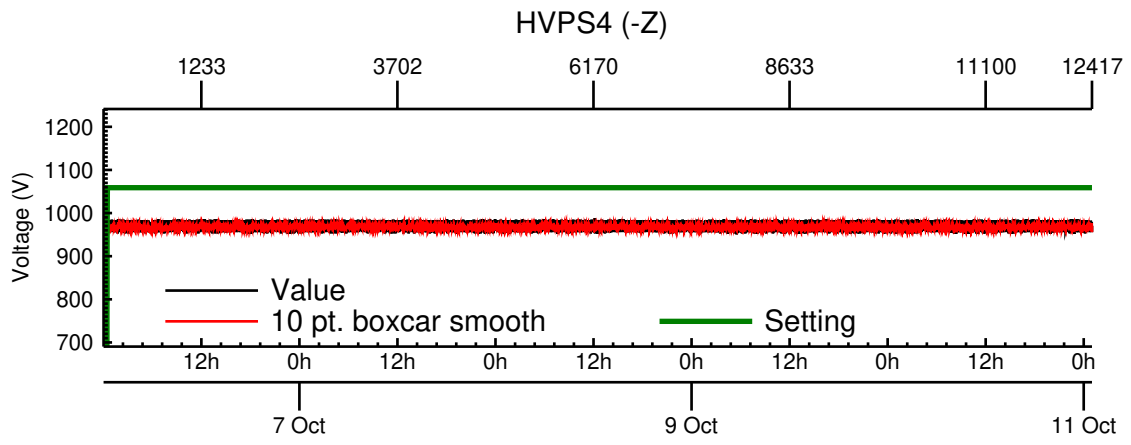
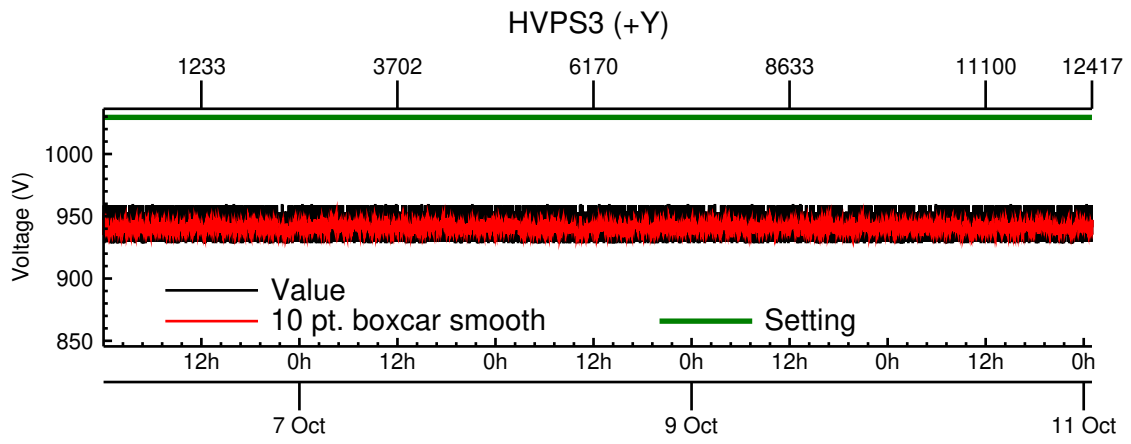
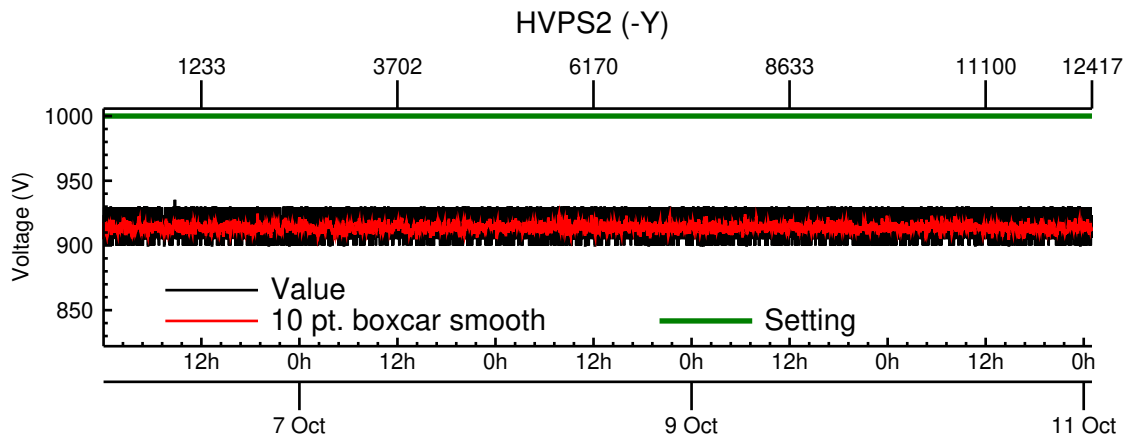
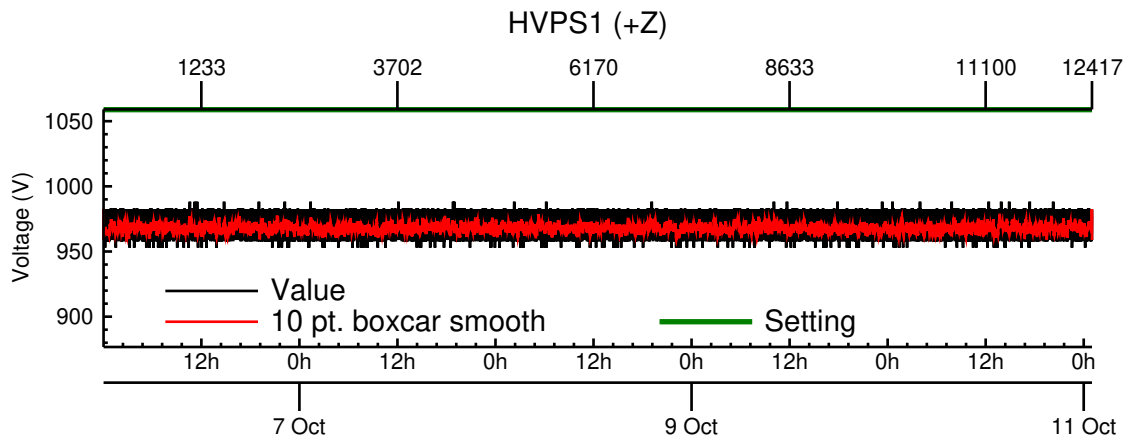
+Z phoswich CAT4 events

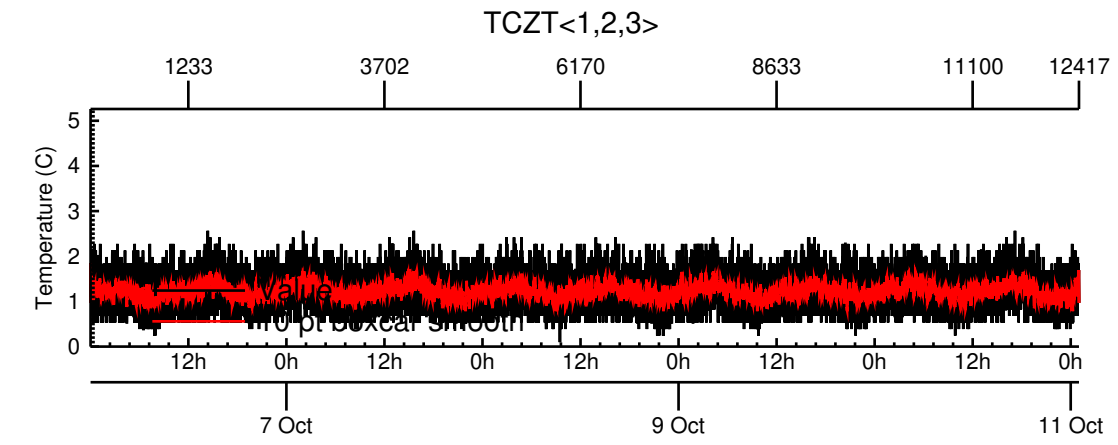
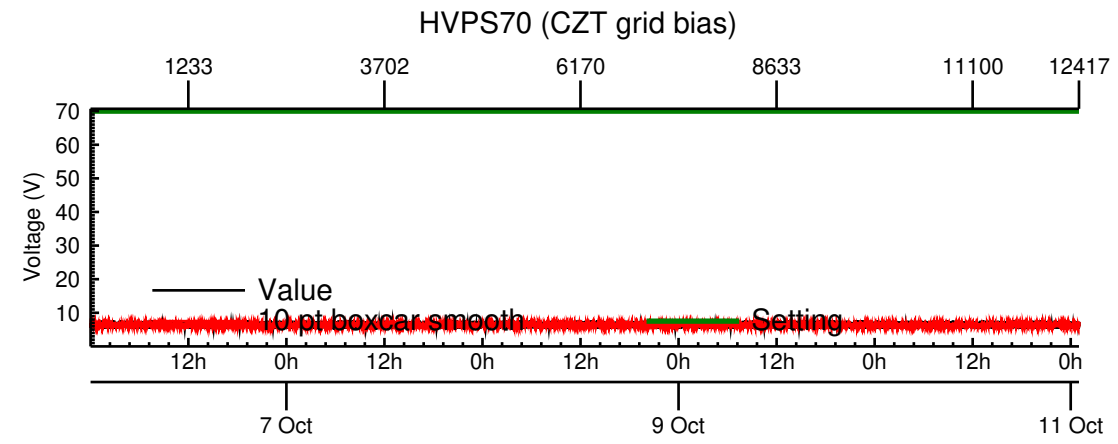
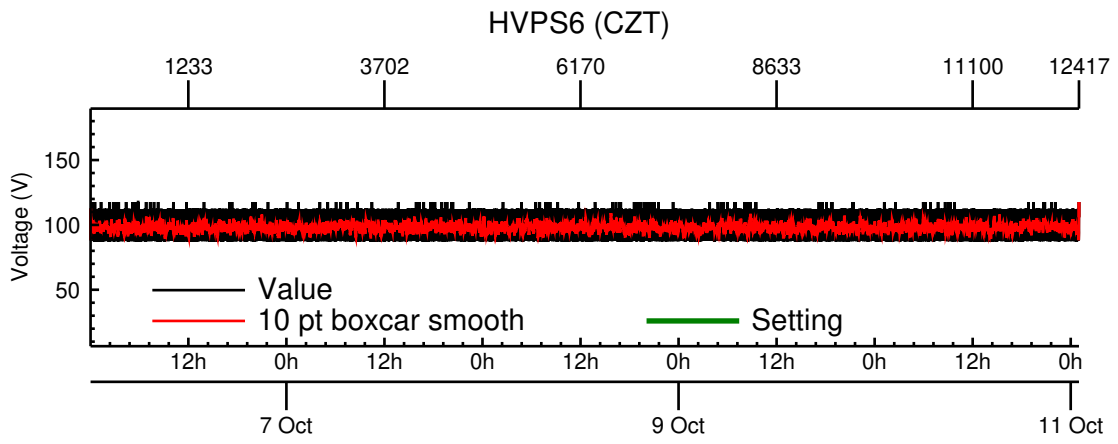
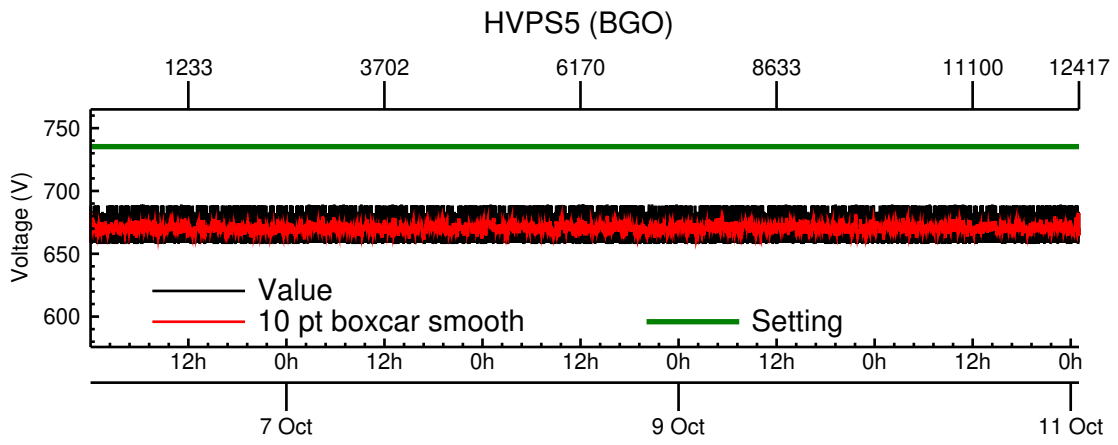


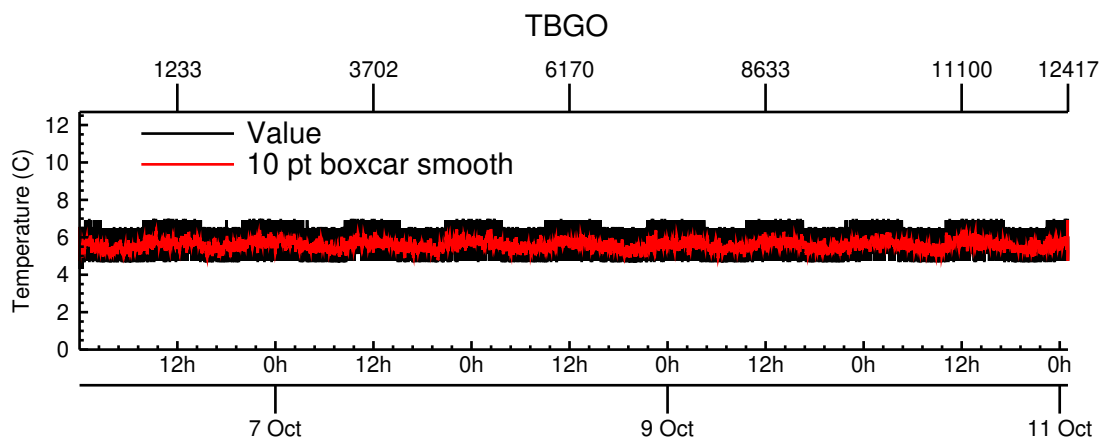
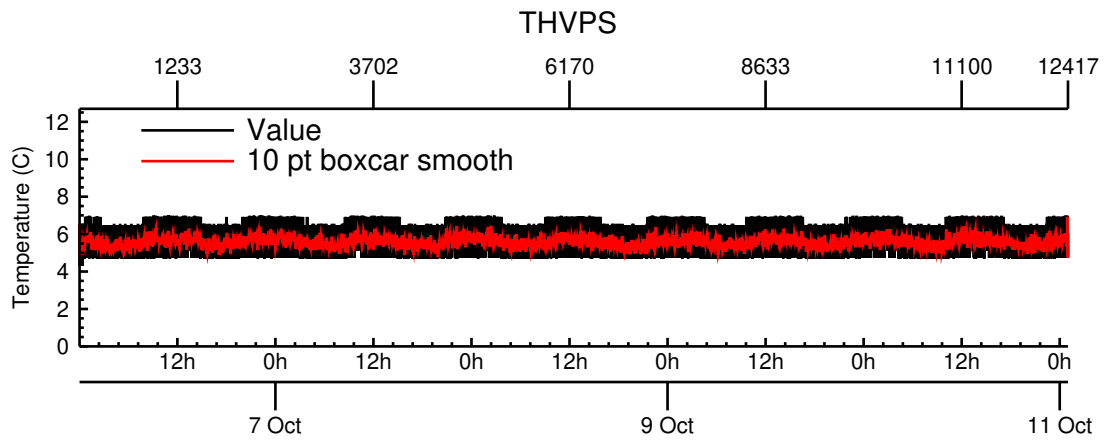
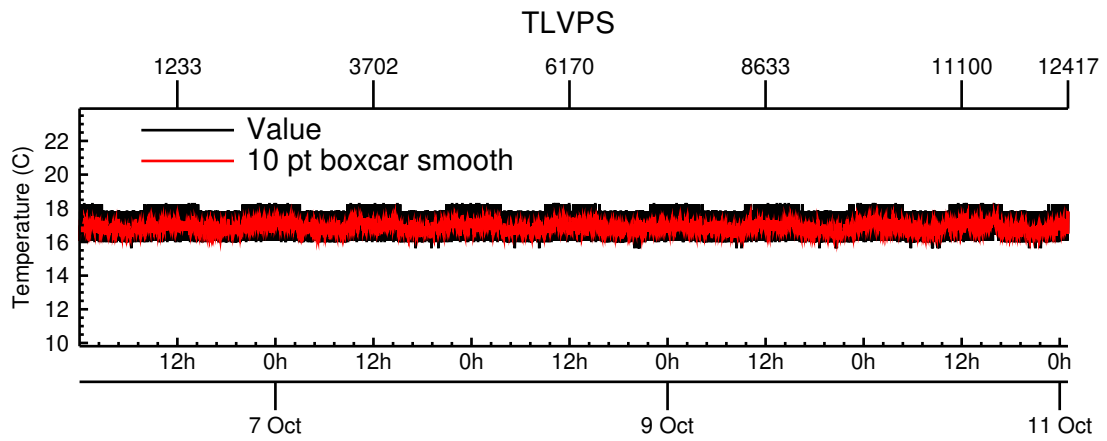
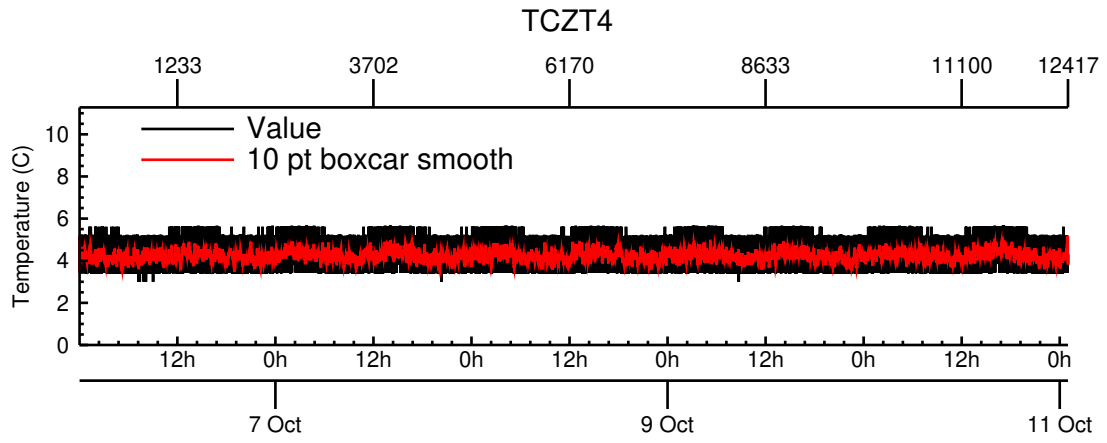


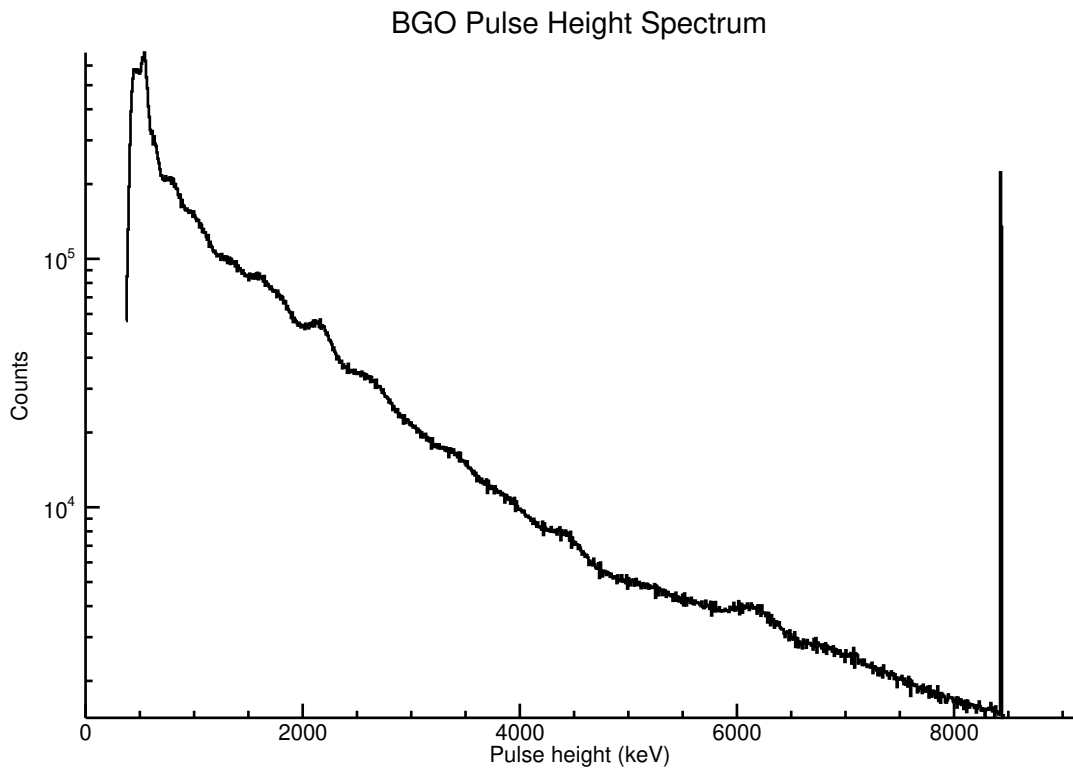
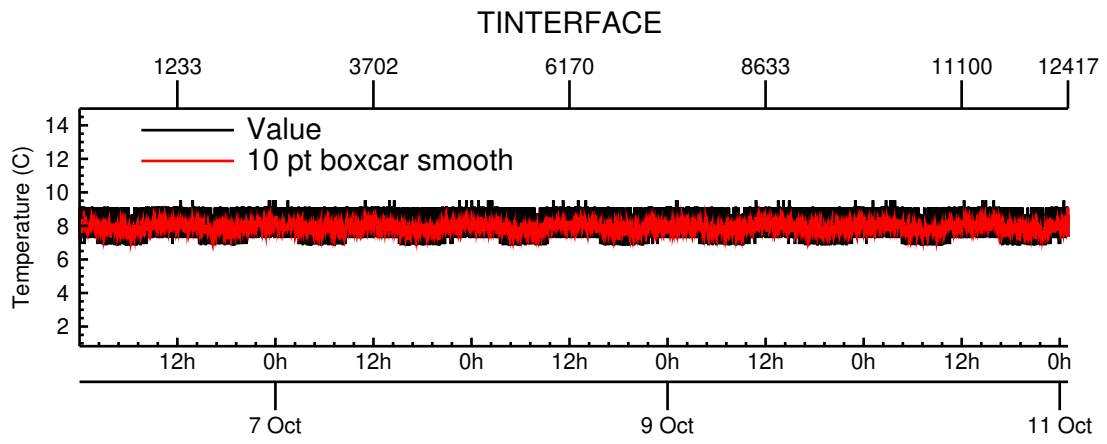
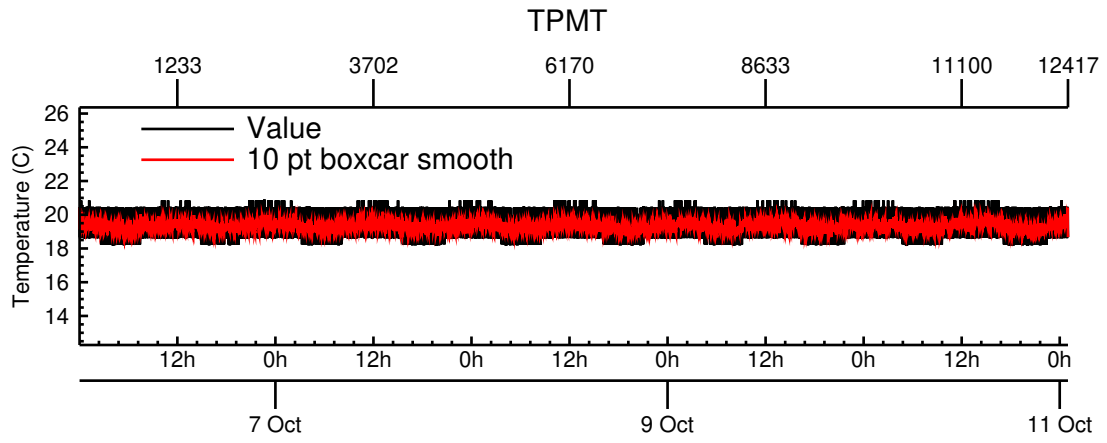








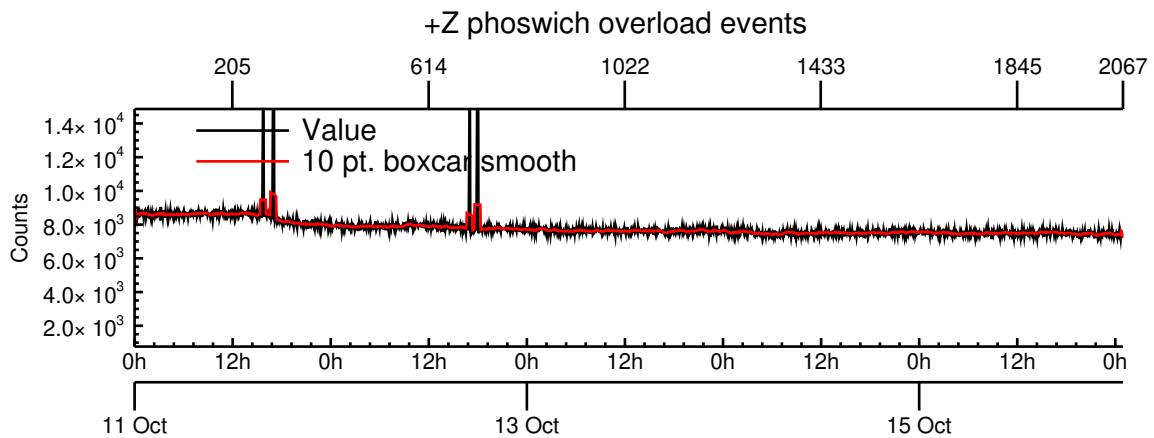
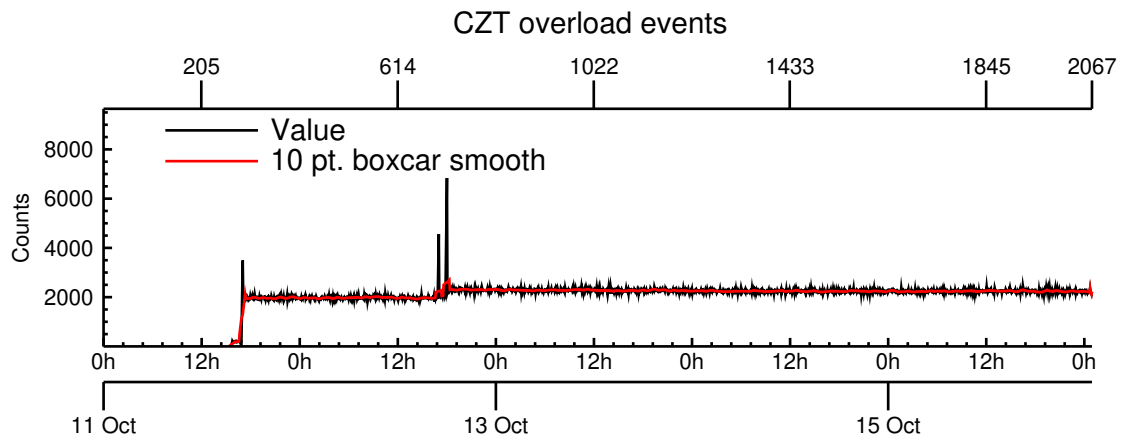
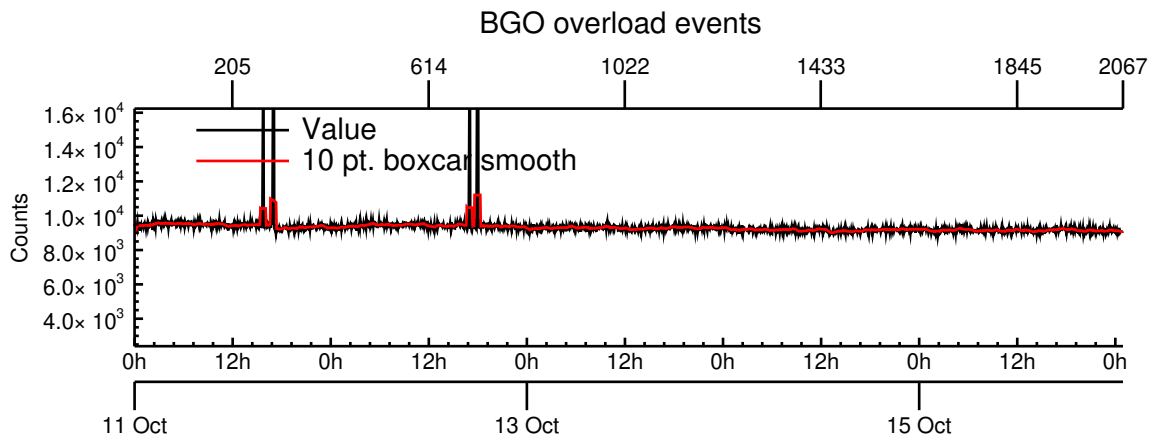
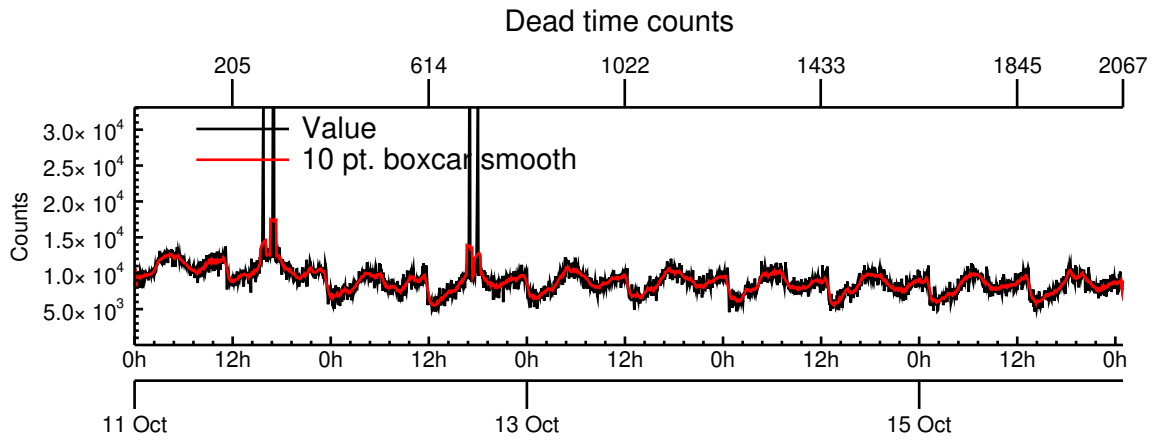




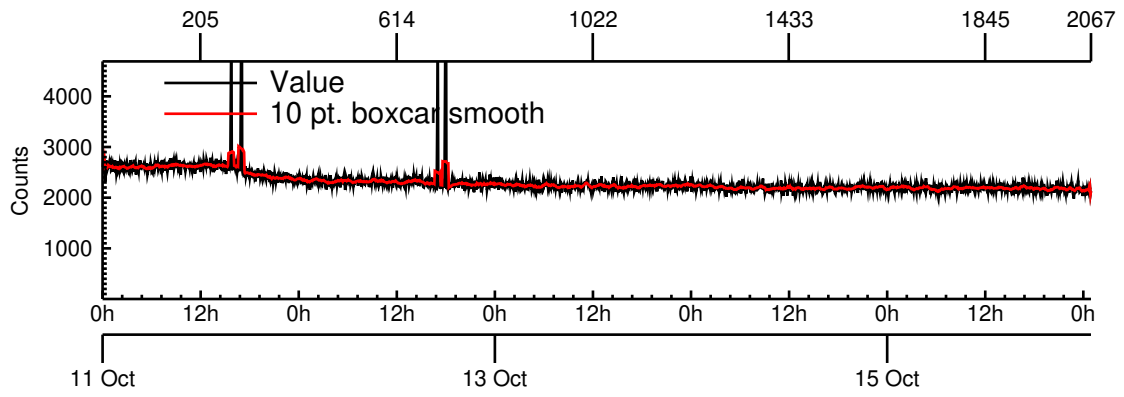
NASA Dawn Mission
 GRaND@Vesta Browse Charts
 GRD-L1A-111011-111016_130628

- Number of science records: 2068
 0 missing science packets with 0 gaps.
 Start/End: 2011-10-11T00:00:29 to 2011-10-16T00:56:50
- Number of SOH records: 12431
 17 missing SOH packets with 13 gaps.
 Start/End: 2011-10-11T00:00:36 to 2011-10-16T00:59:36
- 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 = 25
- Instrument settings for first state (STATE_INDEX 0):

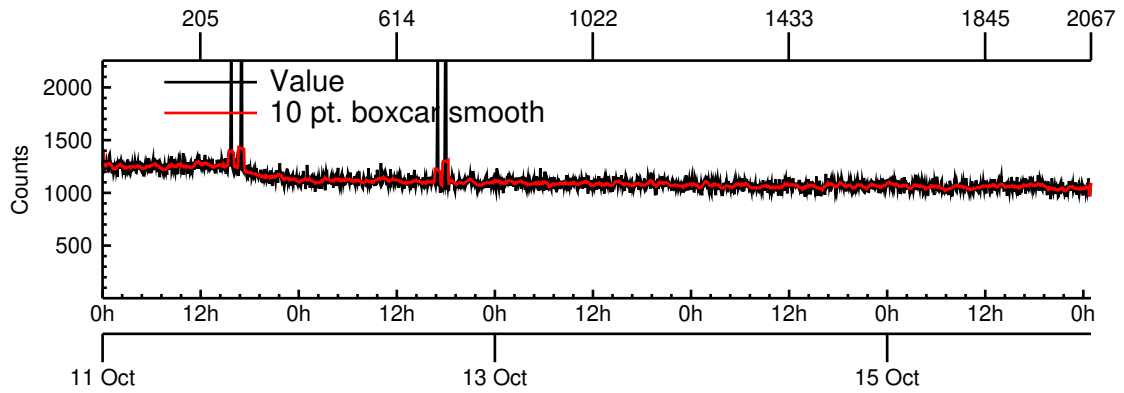
TELREADOUT	210	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	1	NEMN_TOT_EVTS	2800
HVPS1	1	L_BGO_CW	1
HVPS1_SET	180	H_BGO_CW	64
HVPS2	1	L_BGO_ROI	1
HVPS2_SET	170	H_BGO_ROI	64
HVPS3	1	L_BLP_MY_CW	1
HVPS3_SET	175	H_BLP_MY_CW	64
HVPS4	1	L_BLP_MY_ROI	1
HVPS4_SET	180	H_BLP_MY_ROI	64
HVPS5	1	L_BLP_PY_CW	1
HVPS5_SET	125	H_BLP_PY_CW	64
HVPS6	0	L_BLP_PY_ROI	1
HVPS6_SET	0	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	0	H_BLP_MZ_ROI	64
CZT_ENABLES		L_BLP_PZ_CW	1
0010001000000010		H_BLP_PZ_CW	64
		L_BLP_PZ_ROI	1
		H_BLP_PZ_ROI	64



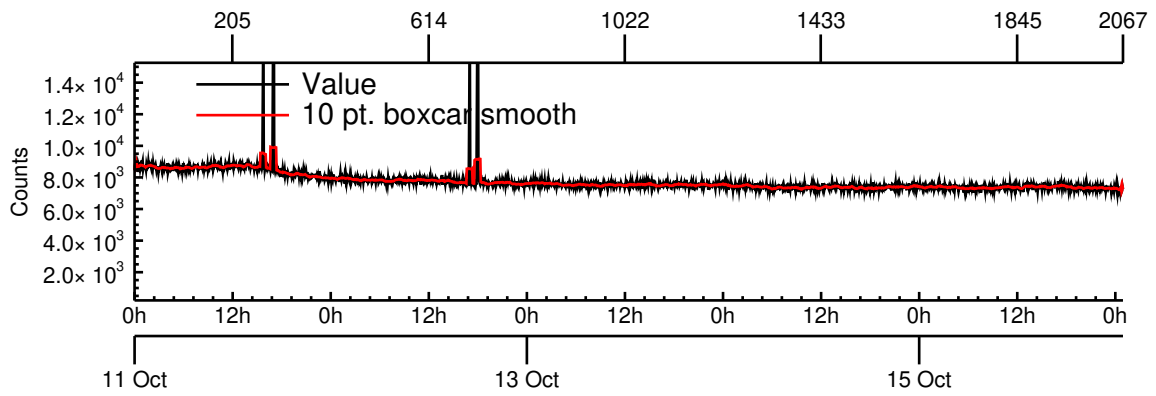
-Y BLP overload events



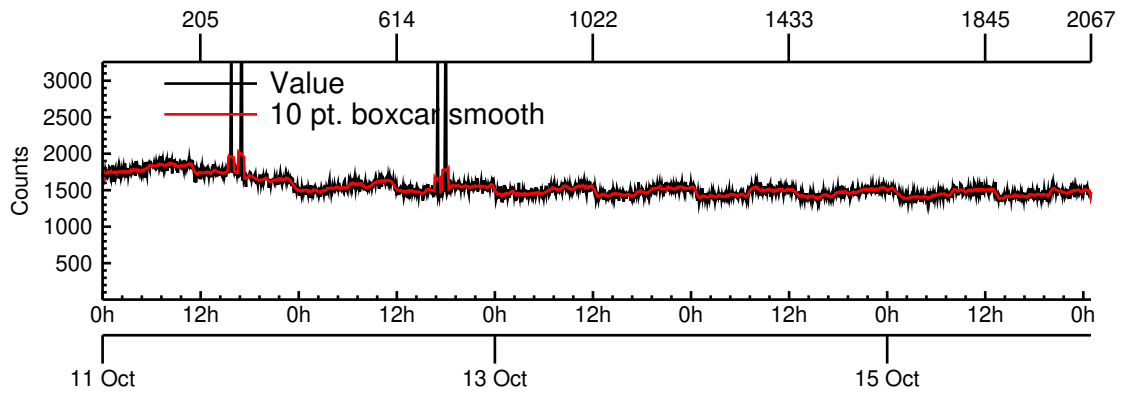
+Y BLP overload events

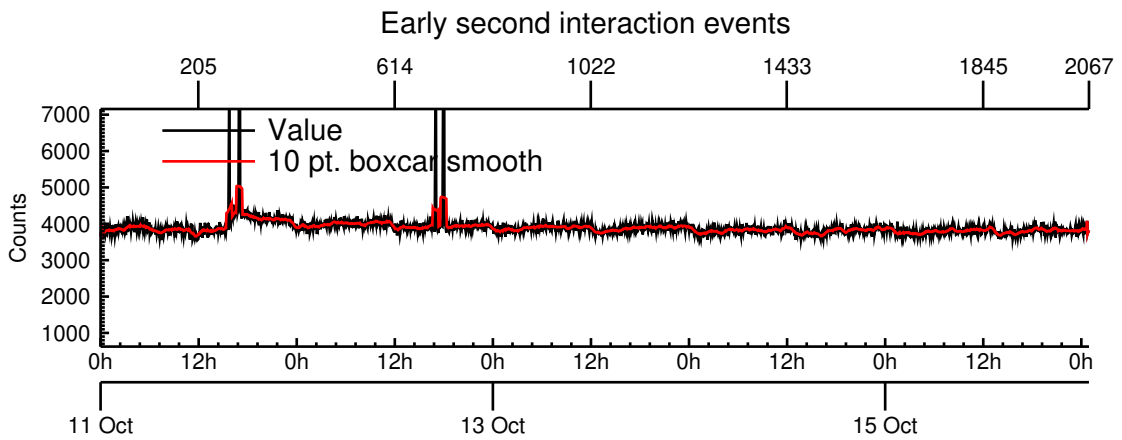
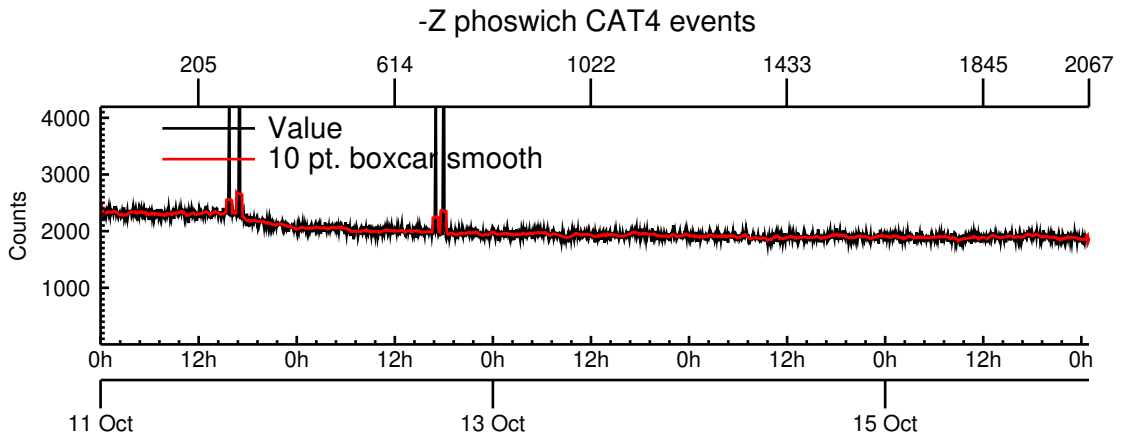
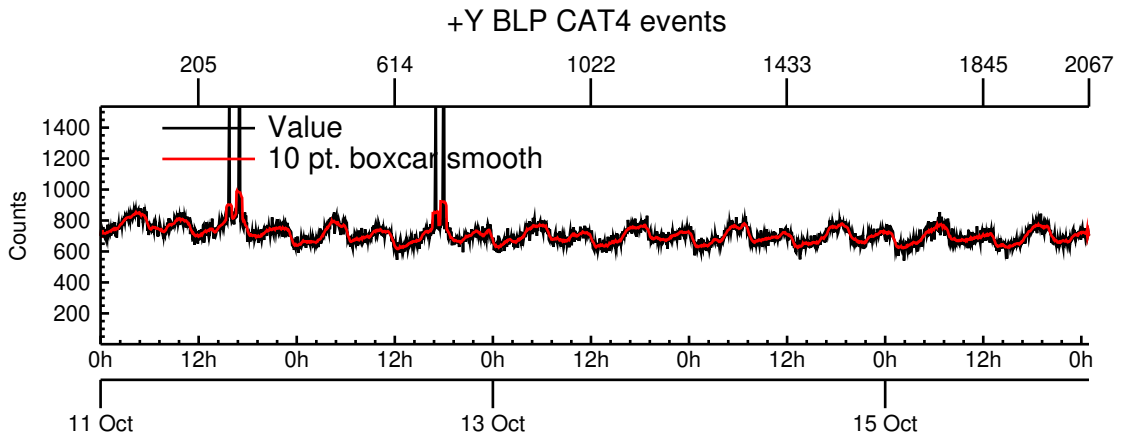
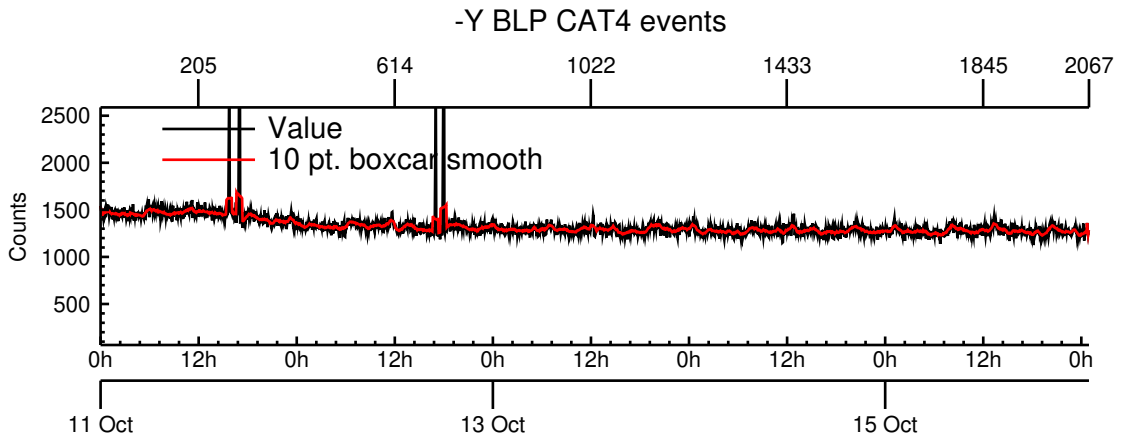


-Z phoswich overload events

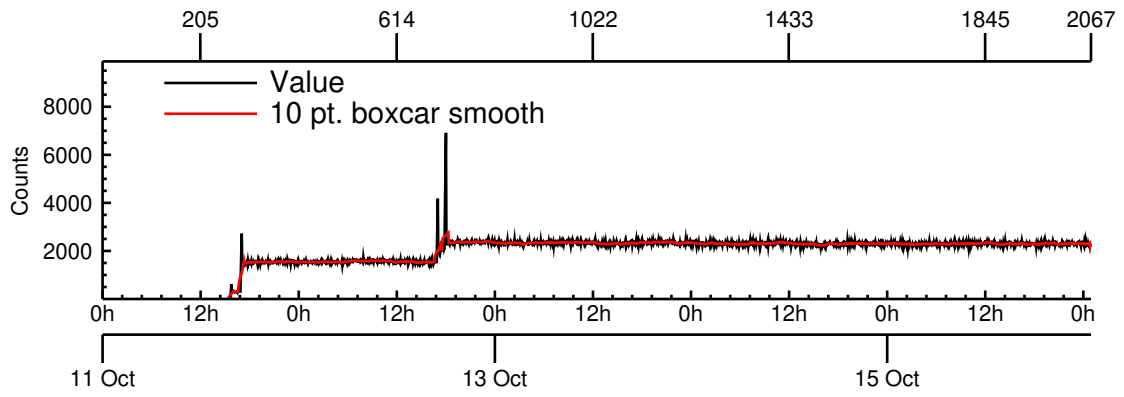


+Z phoswich CAT4 events

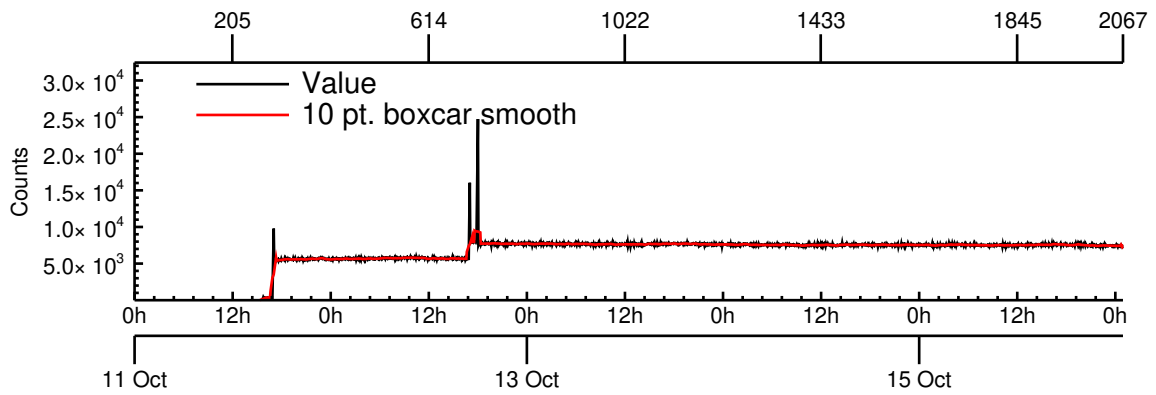




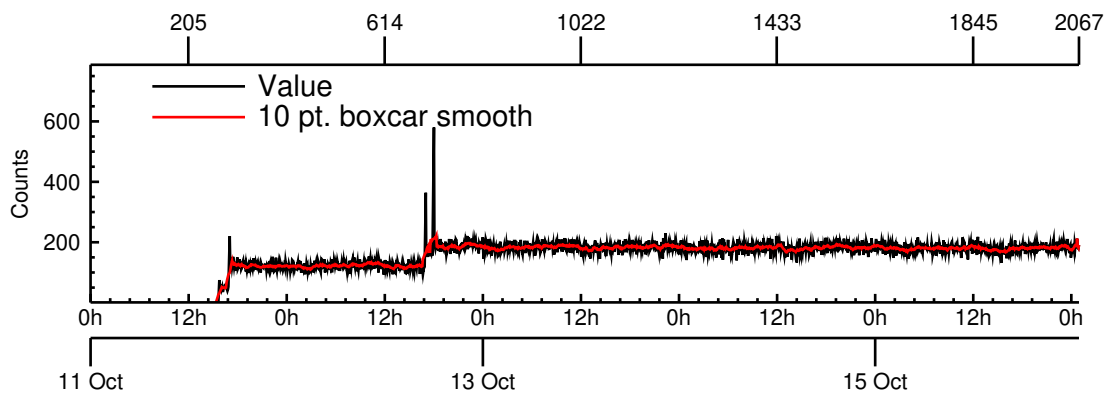
Multiple-crystal CZT events



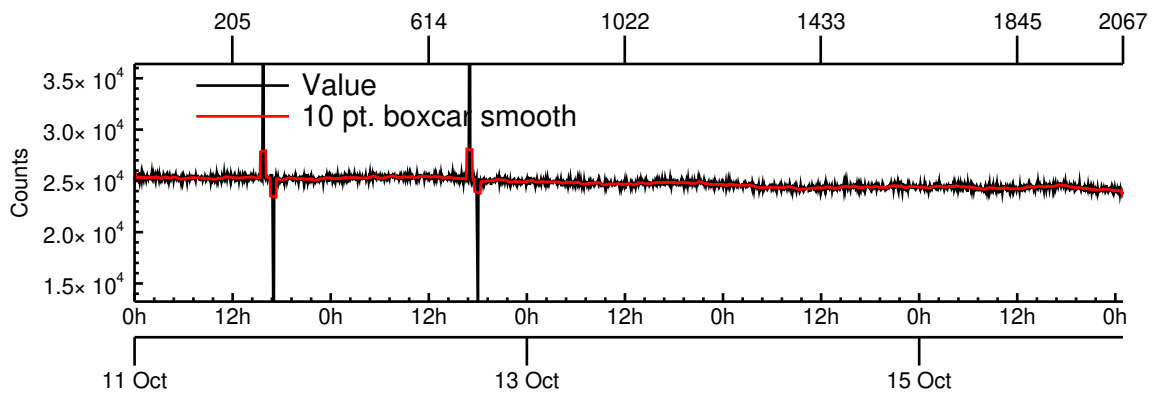
Valid CZT events (CAT10)



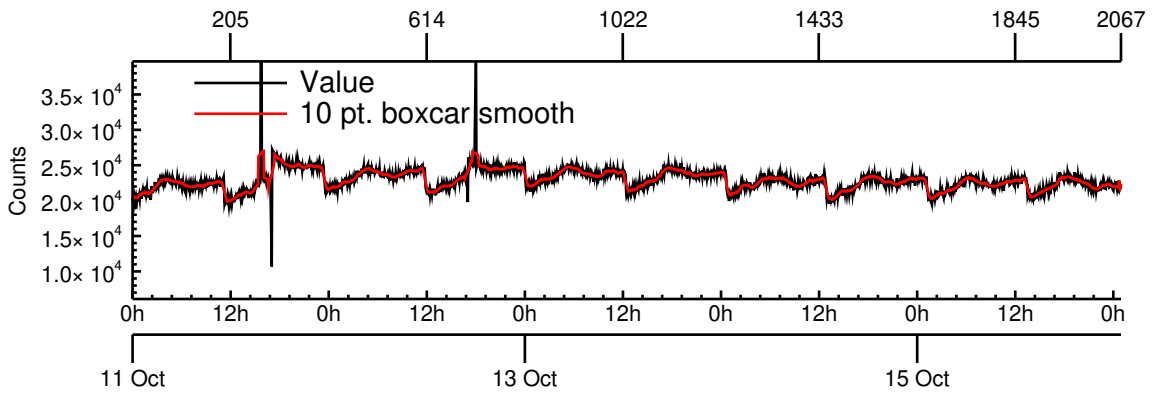
Coincidence BGO and CZT events (CAT7)



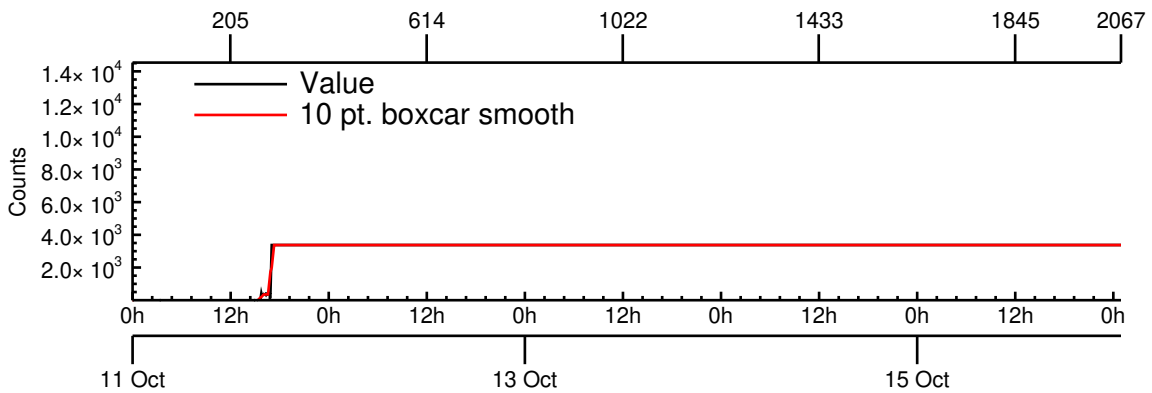
Coincidence of three or more sensor elements



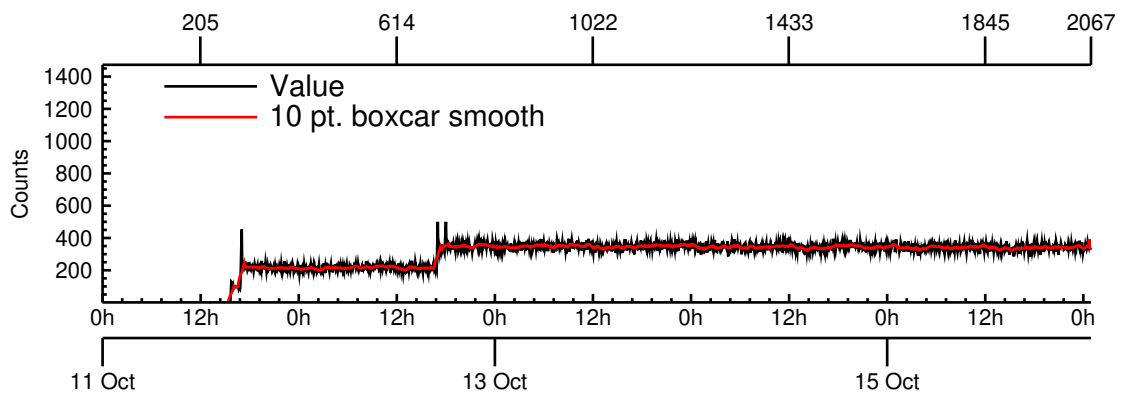
Total events processed by GRaND



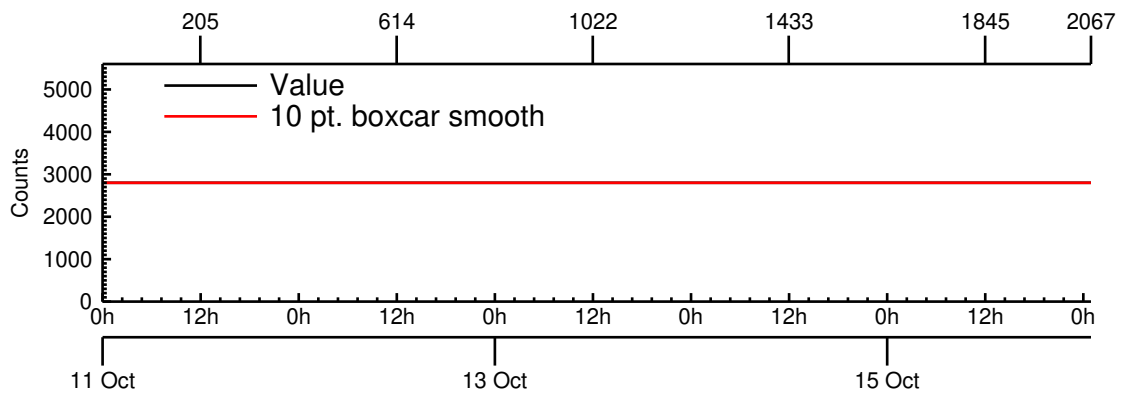
Number of single CZT events (CAT10) in the gamma ray event buffer

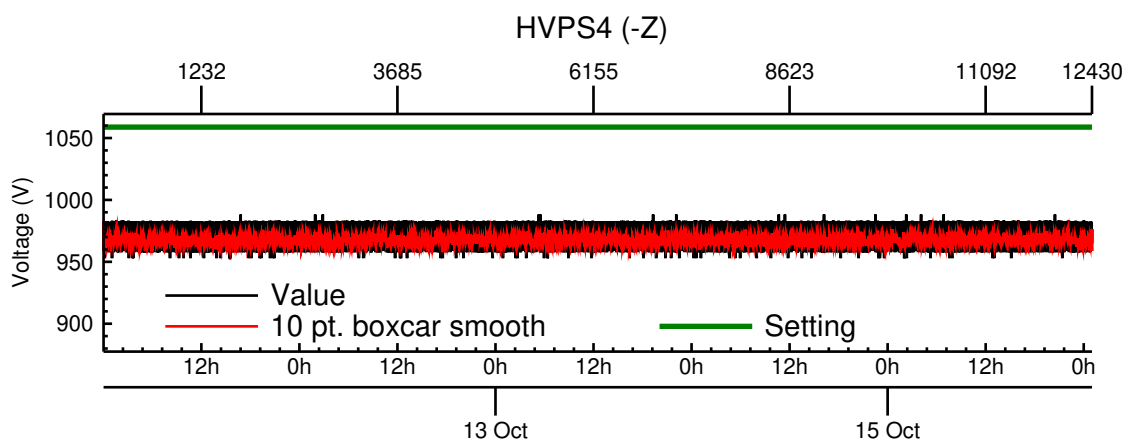
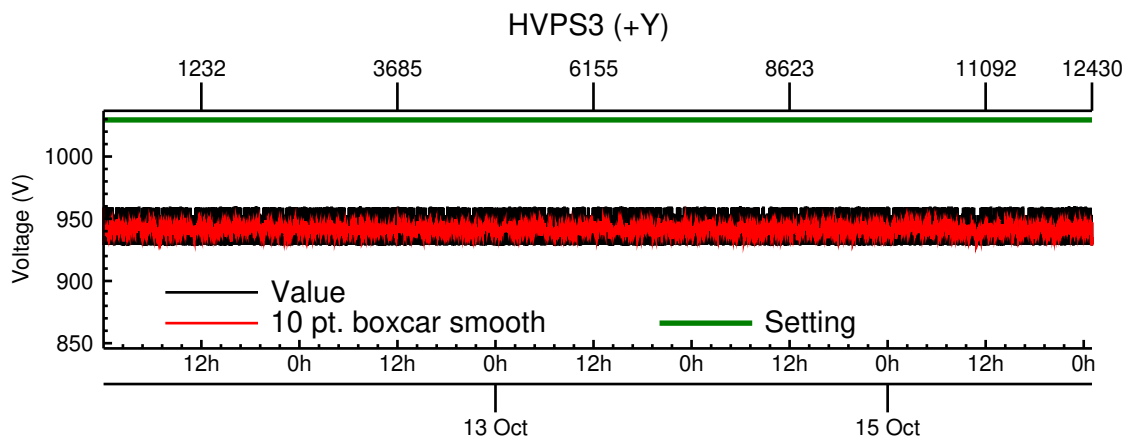
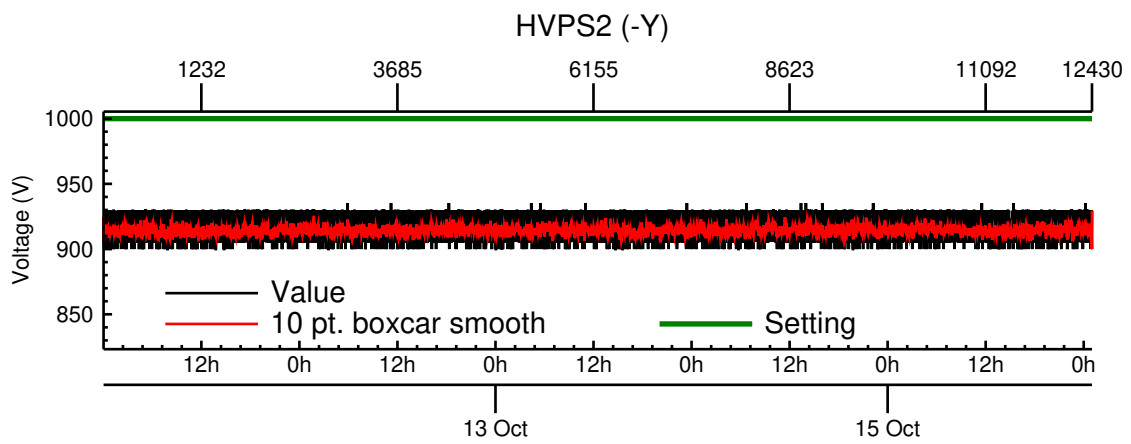
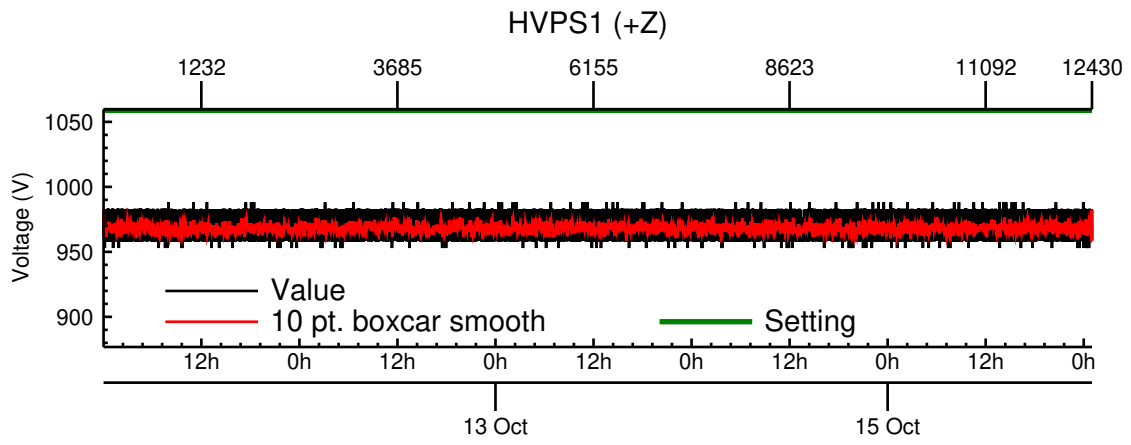


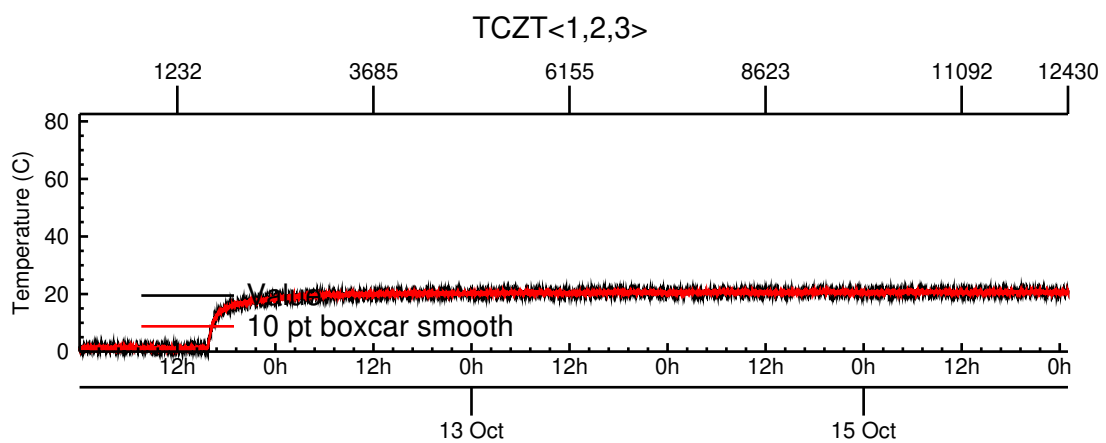
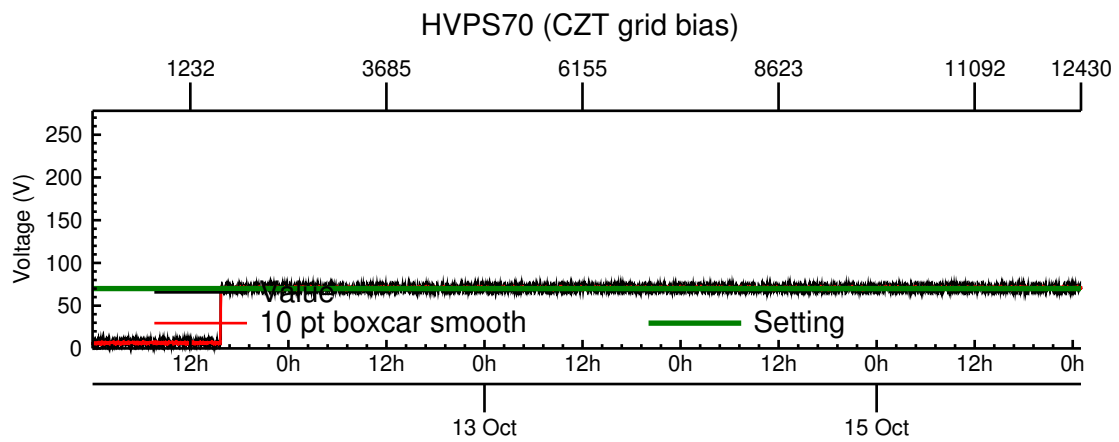
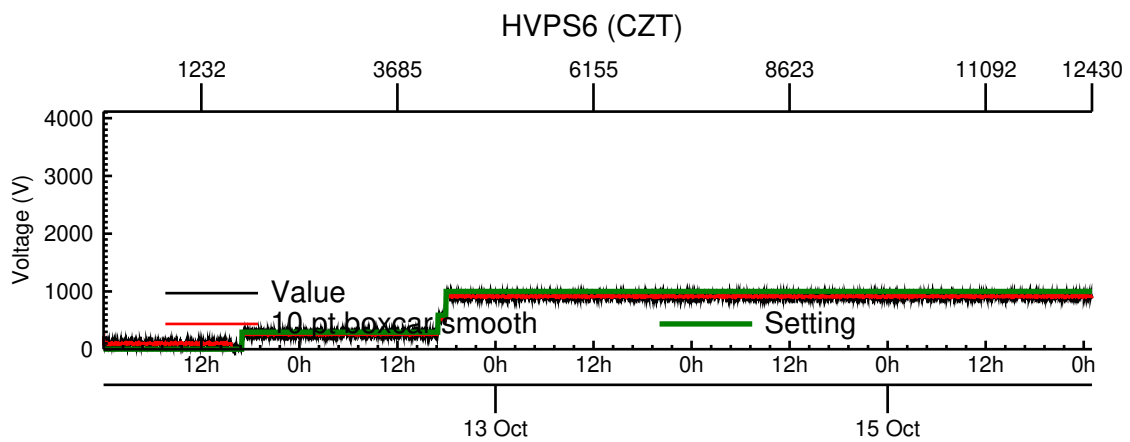
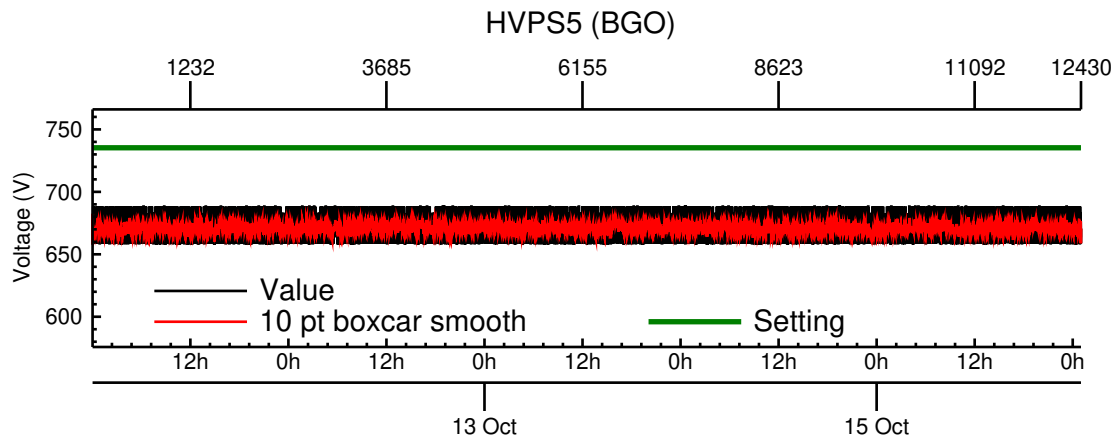
Number of BGO-CZT events (CAT7) in the gamma ray event buffer

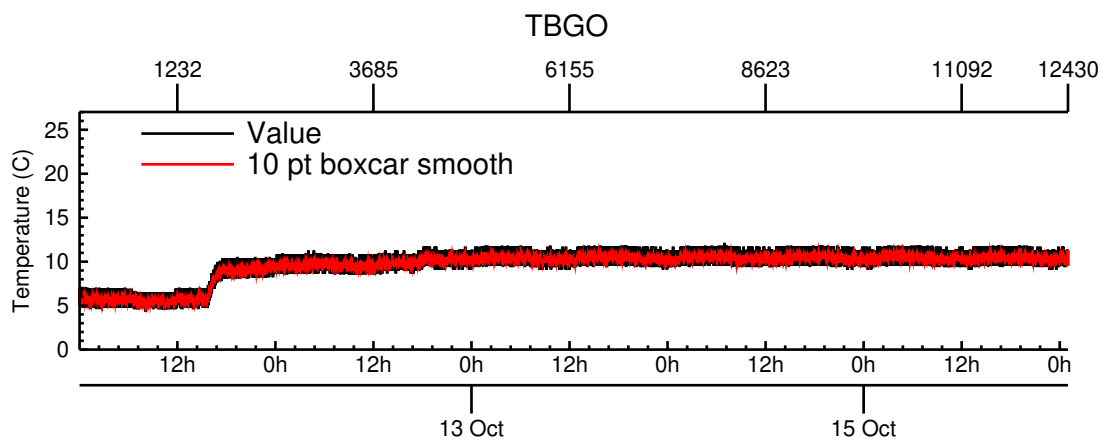
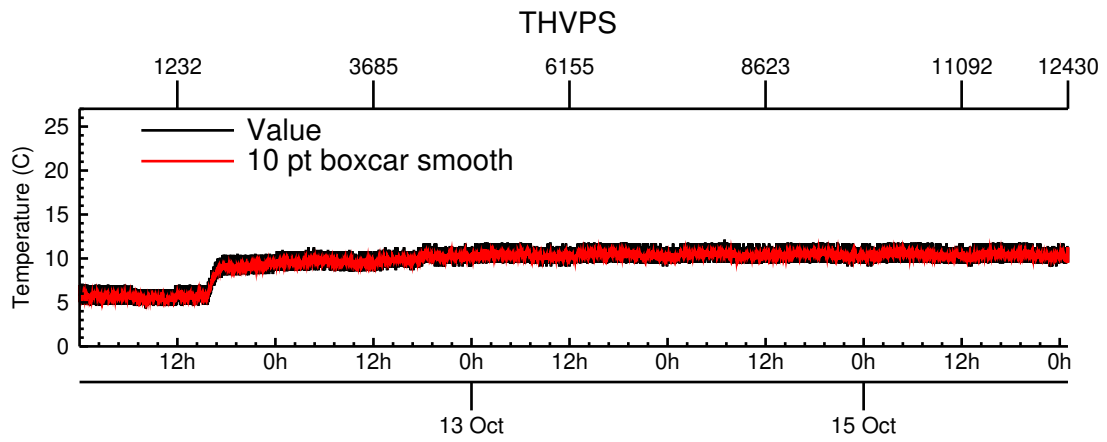
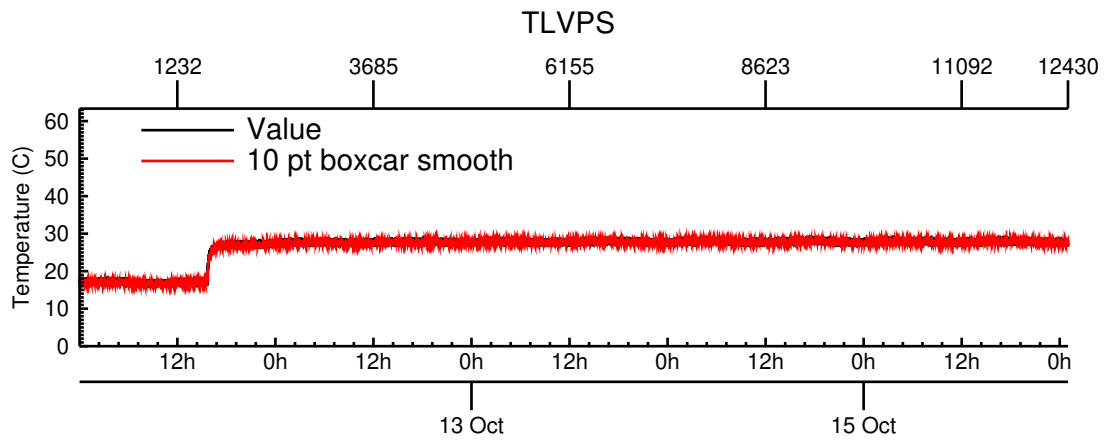
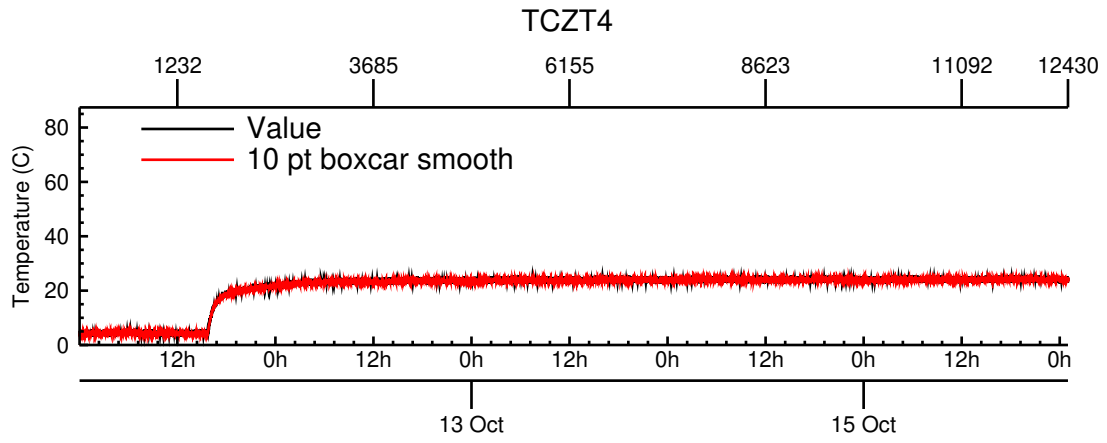


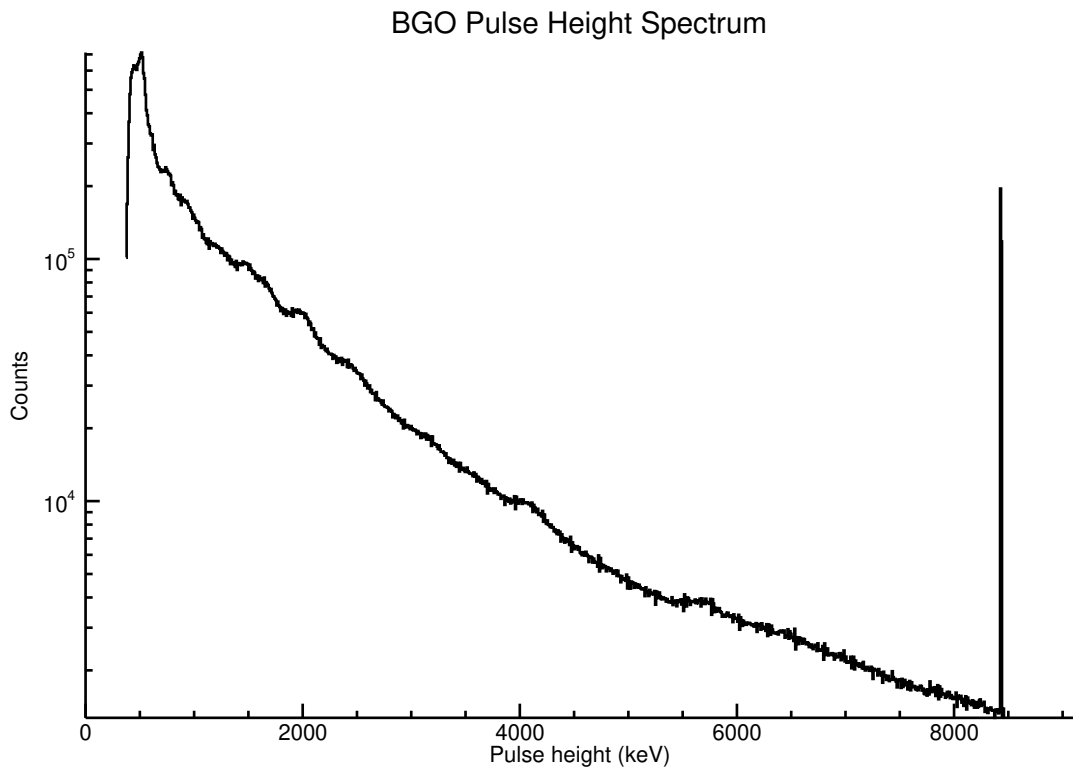
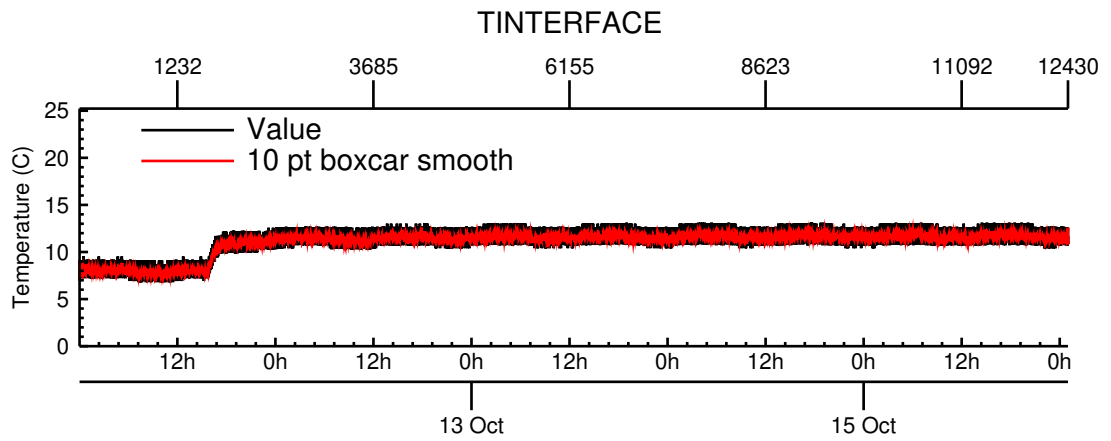
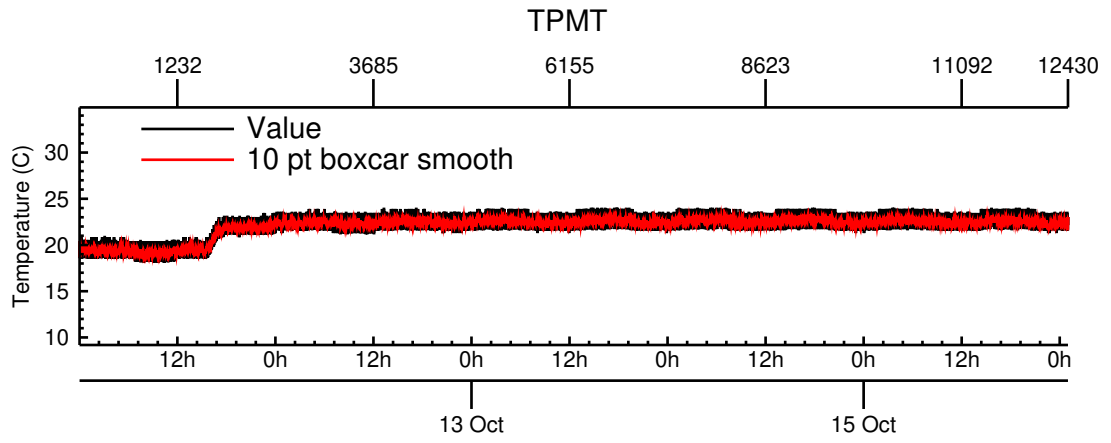
Number of events (CAT4) in the neutron event buffer



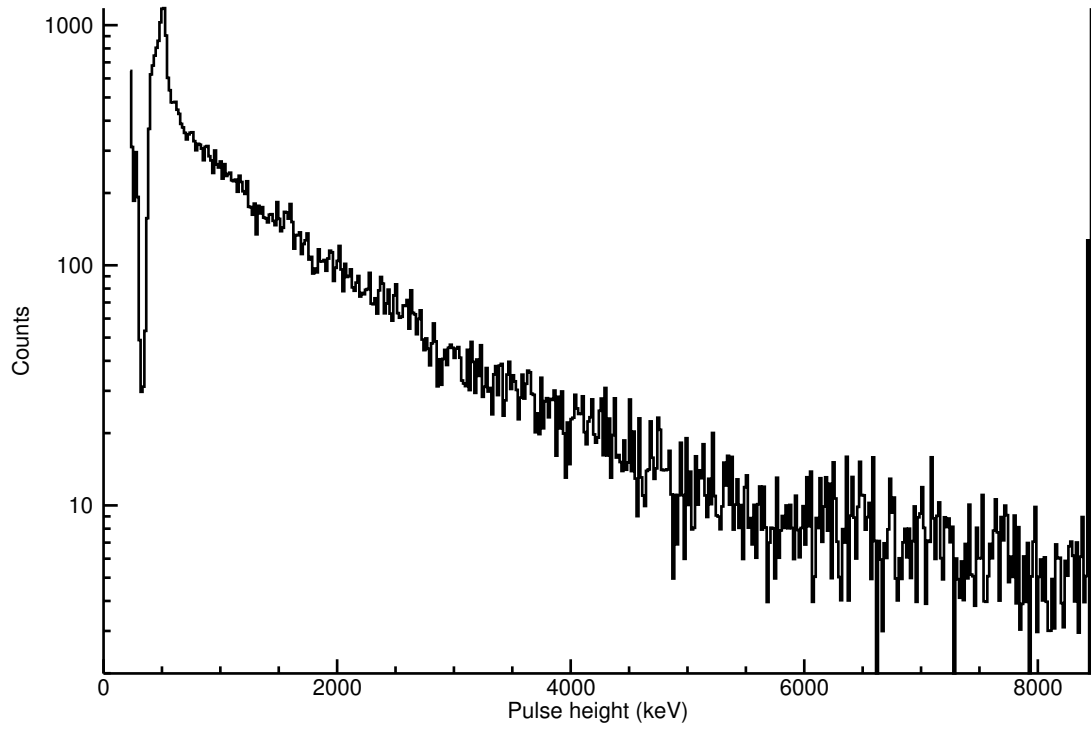




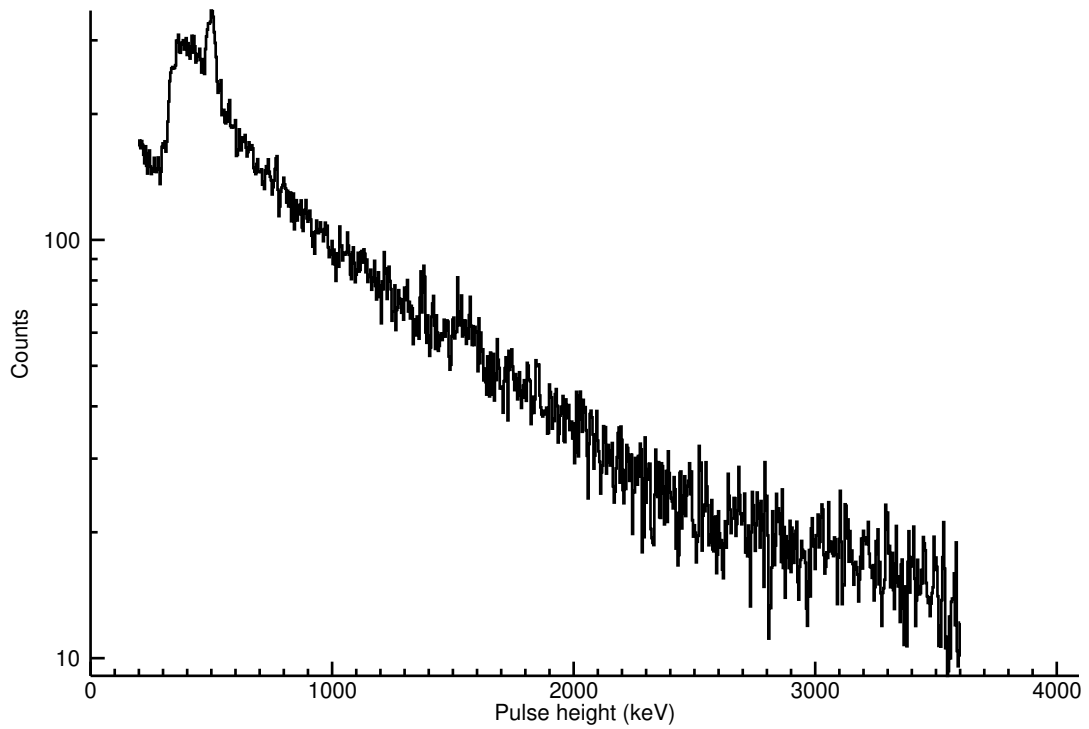


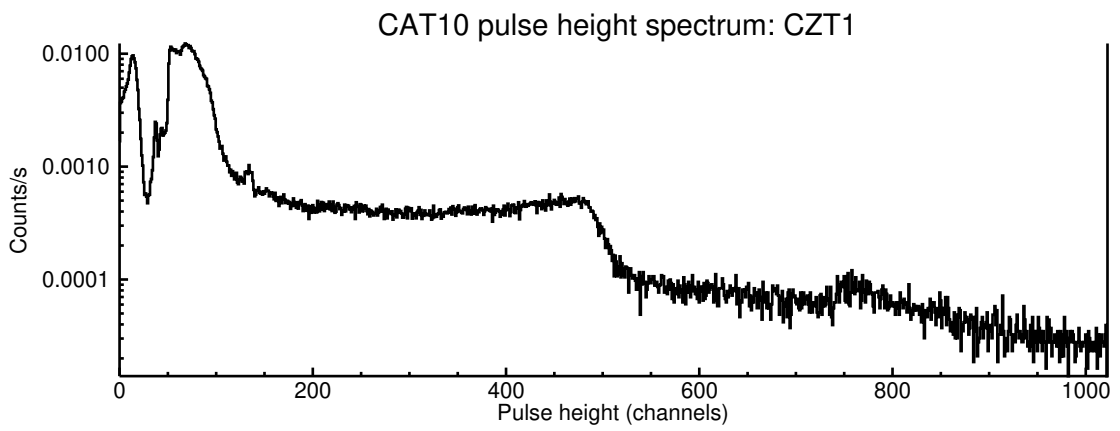
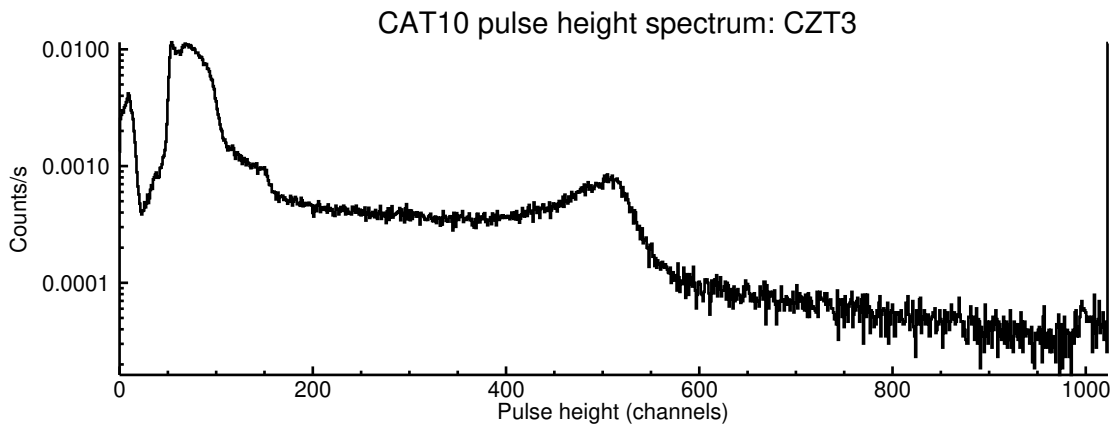
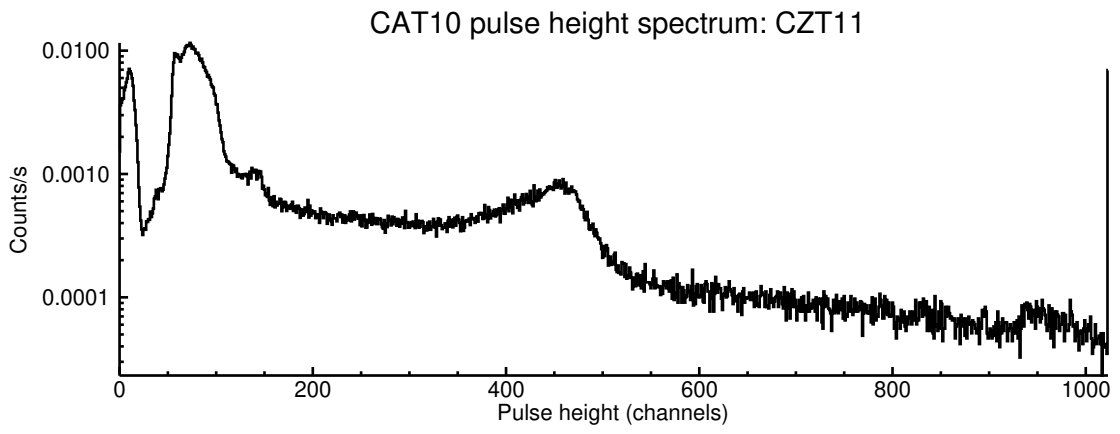


BGO-CZT pair spectrum: BGO

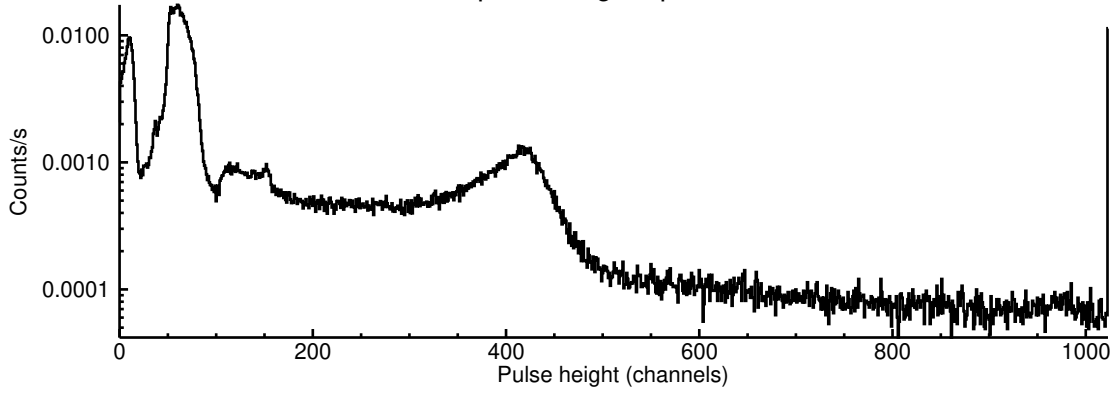


BGO-CZT pair spectrum: CZT

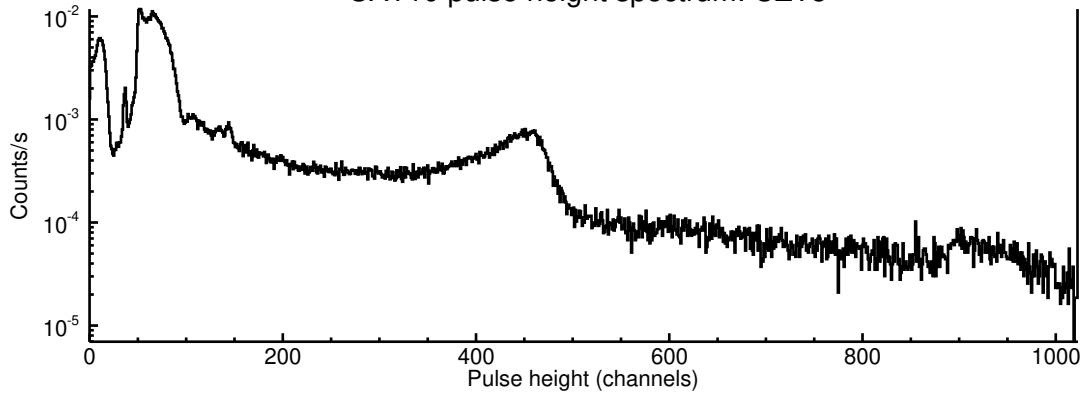




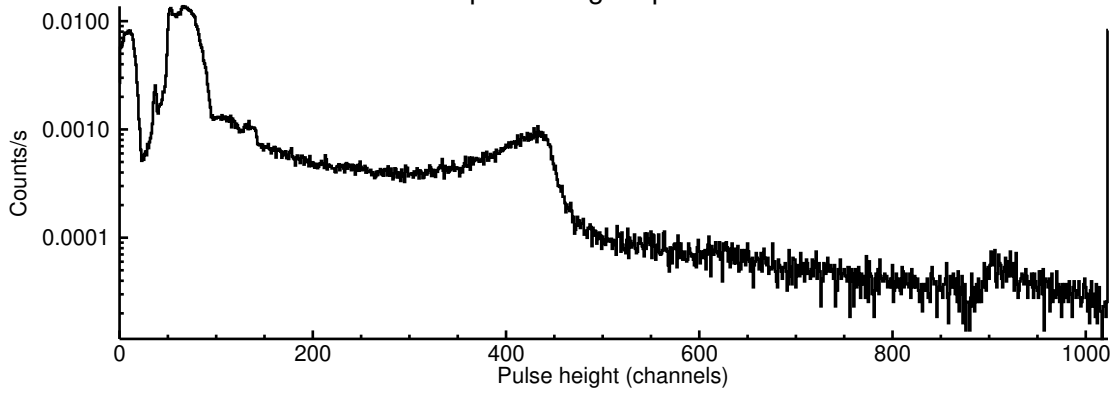
CAT10 pulse height spectrum: CZT2



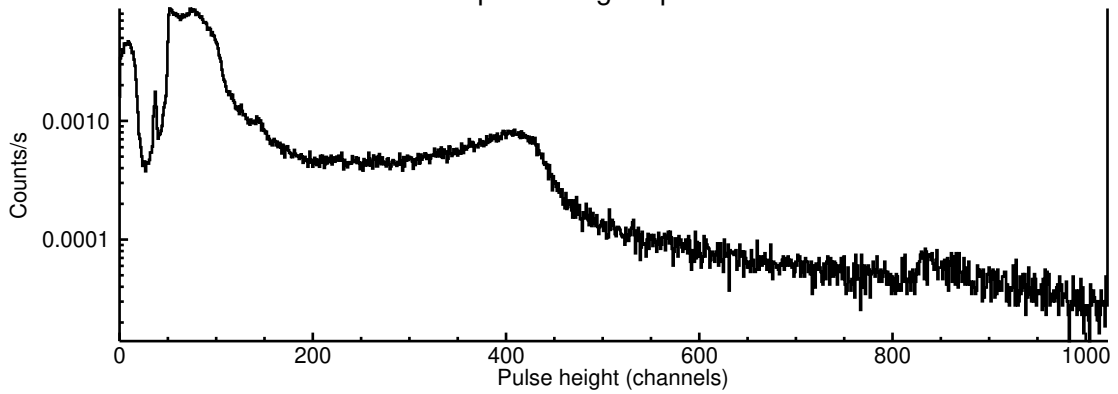
CAT10 pulse height spectrum: CZT8



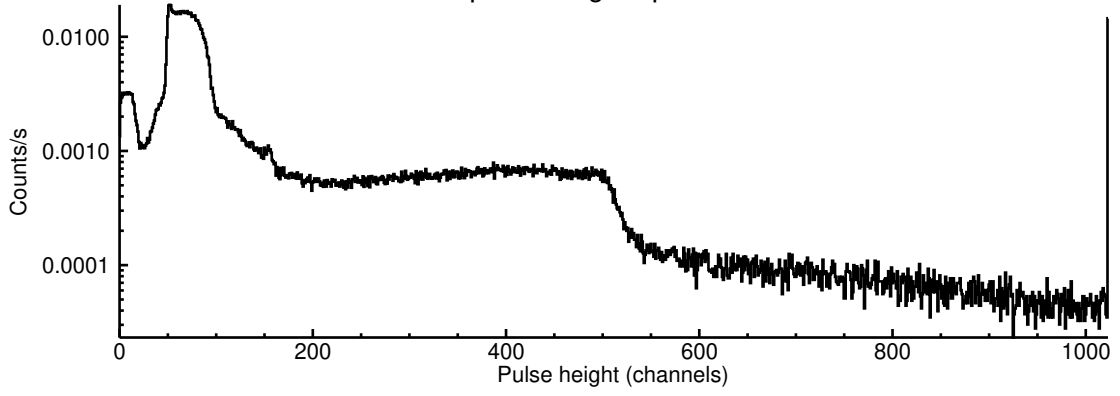
CAT10 pulse height spectrum: CZT10



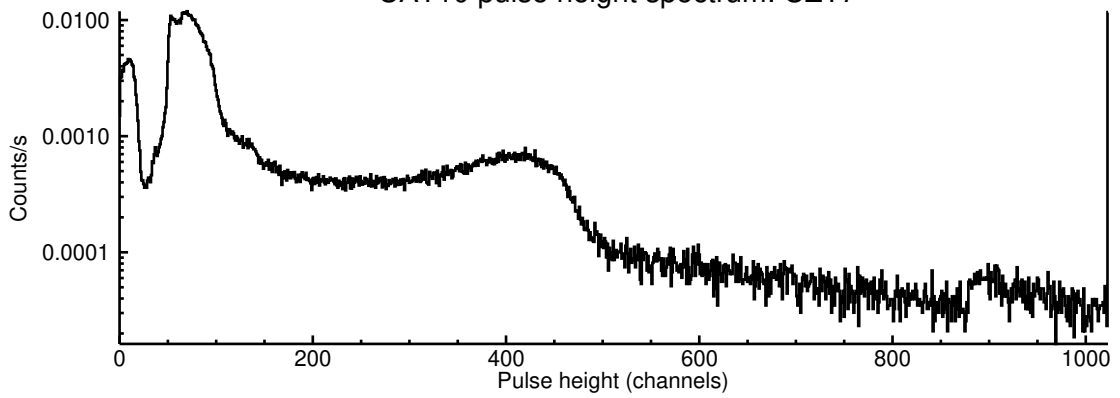
CAT10 pulse height spectrum: CZT0



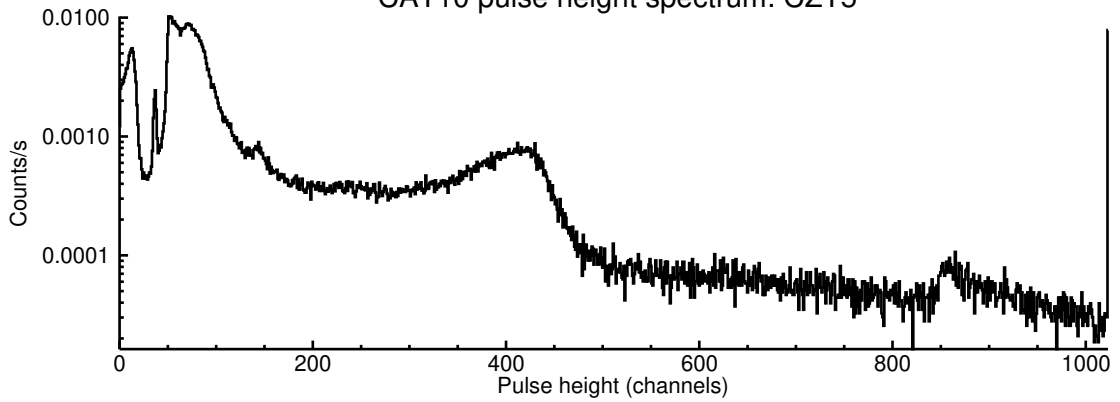
CAT10 pulse height spectrum: CZT15

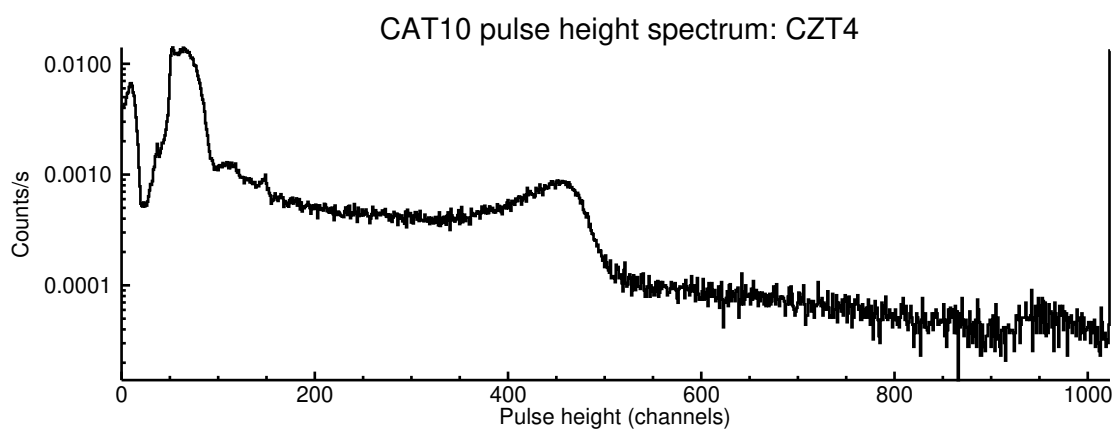
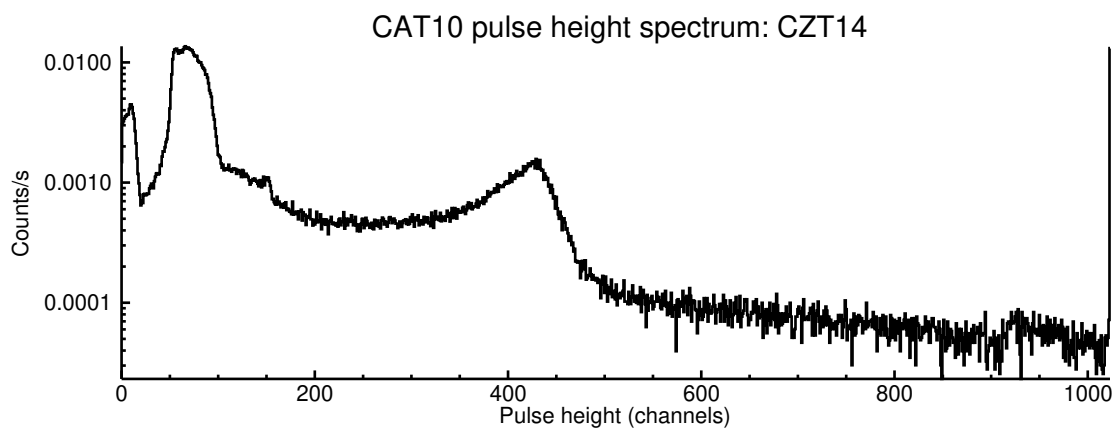
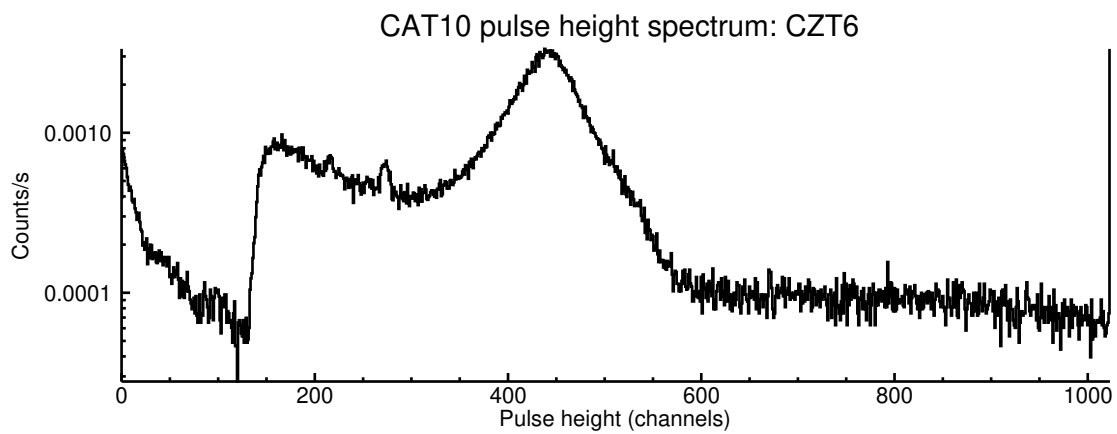


CAT10 pulse height spectrum: CZT7

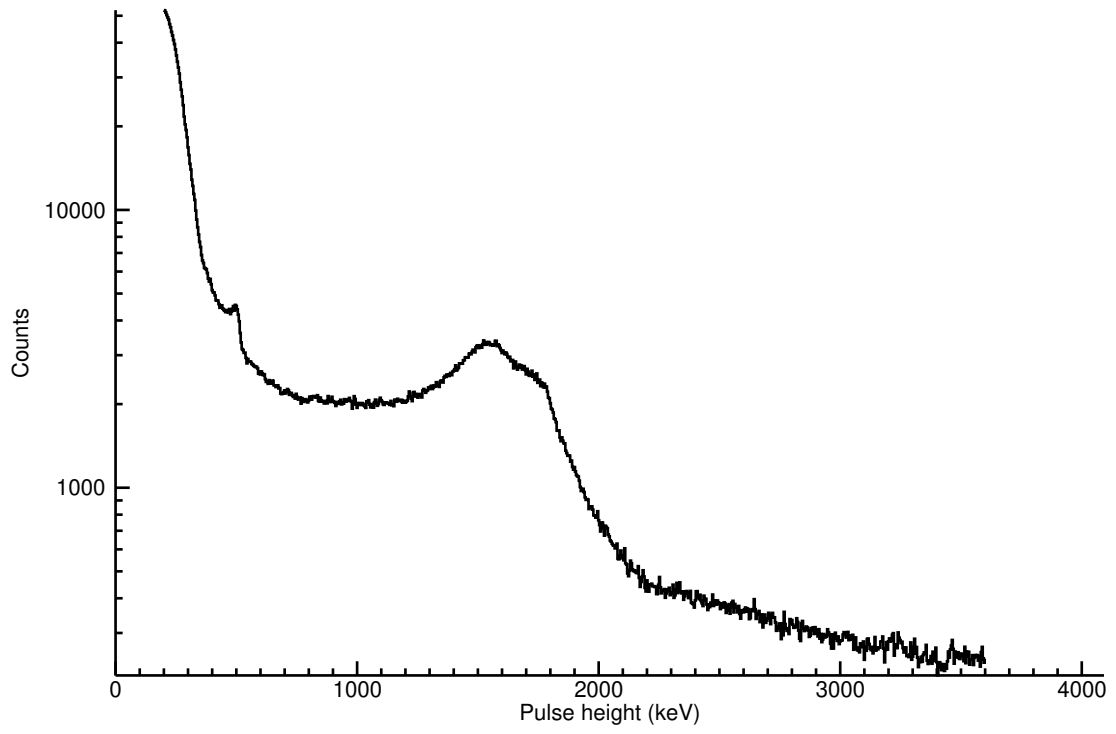


CAT10 pulse height spectrum: CZT5

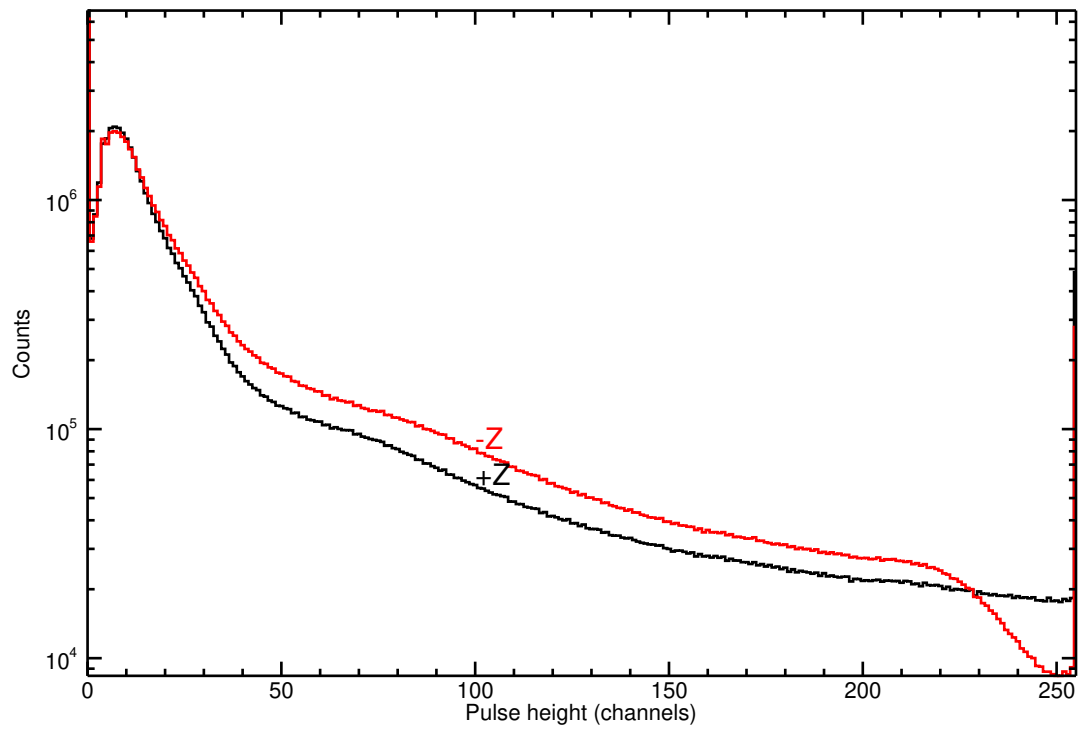




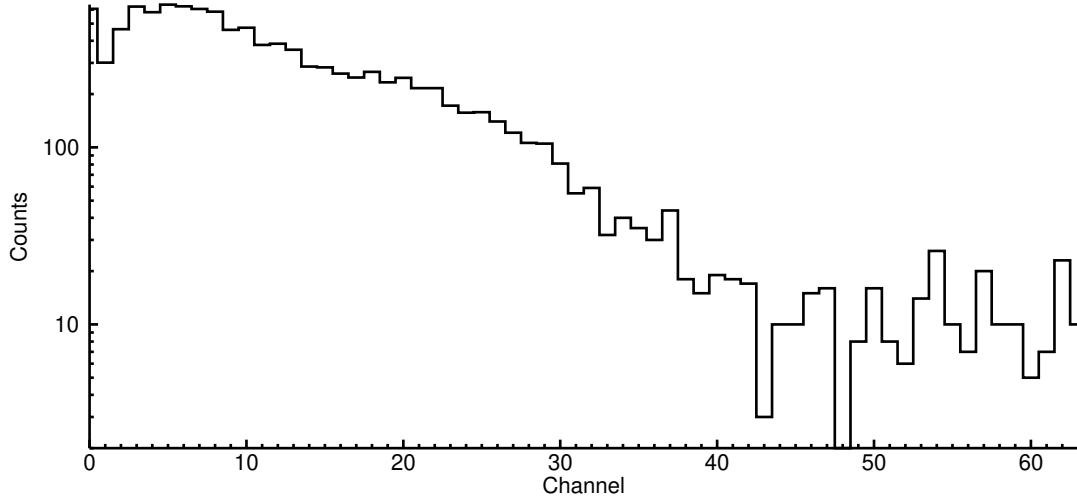
CAT10 CZT composite



CAT1 histograms



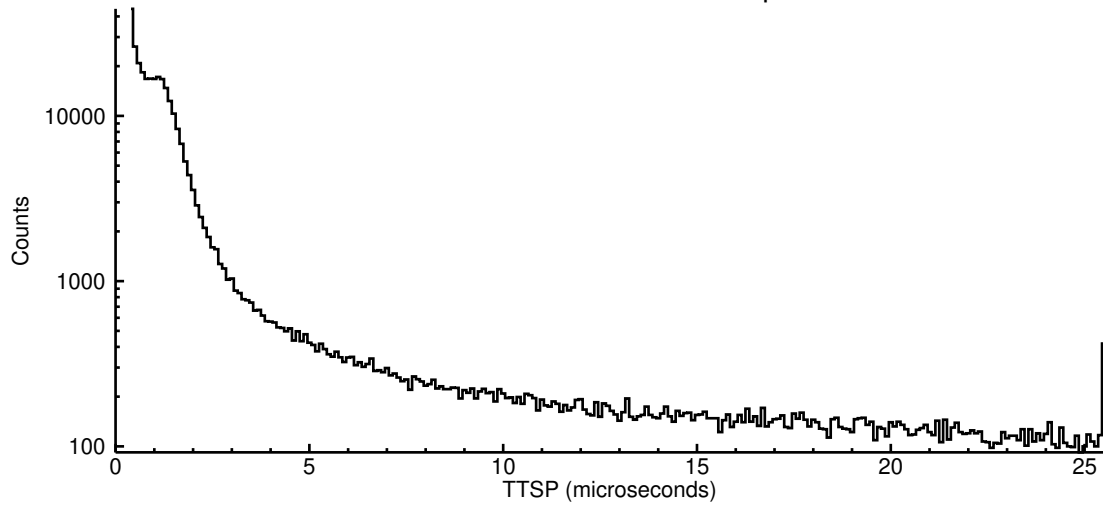
+Z BLP CAT4 first pulse



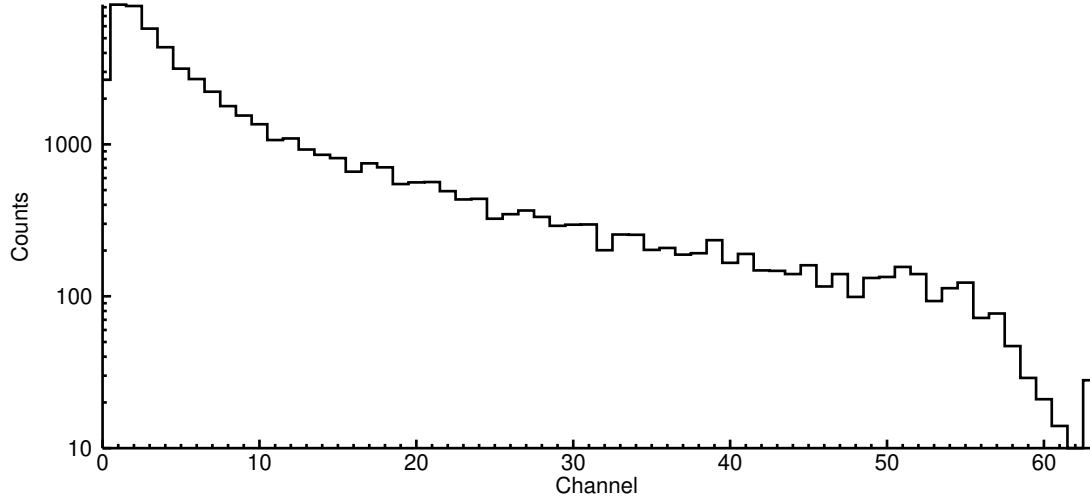
+Z BLP CAT4 second pulse



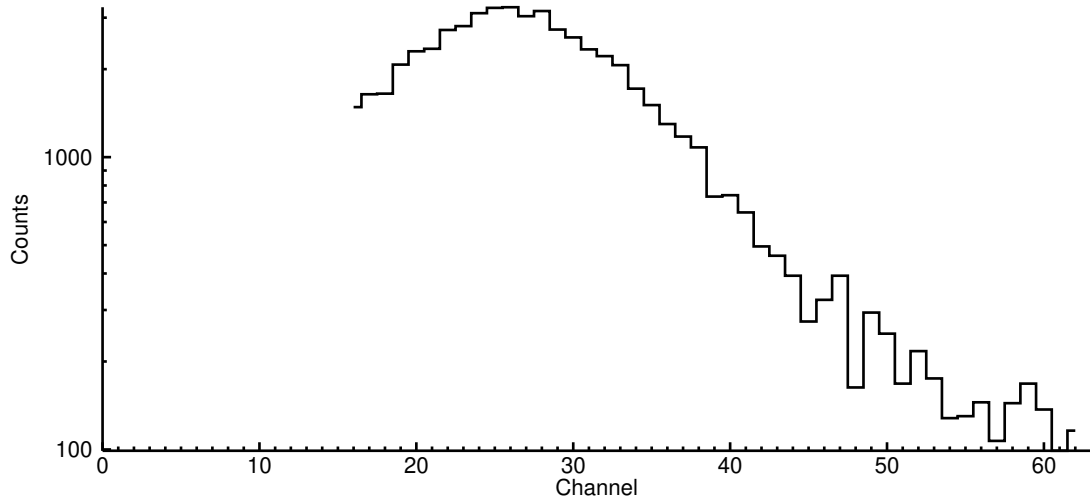
+Z BLP CAT4 time to second pulse



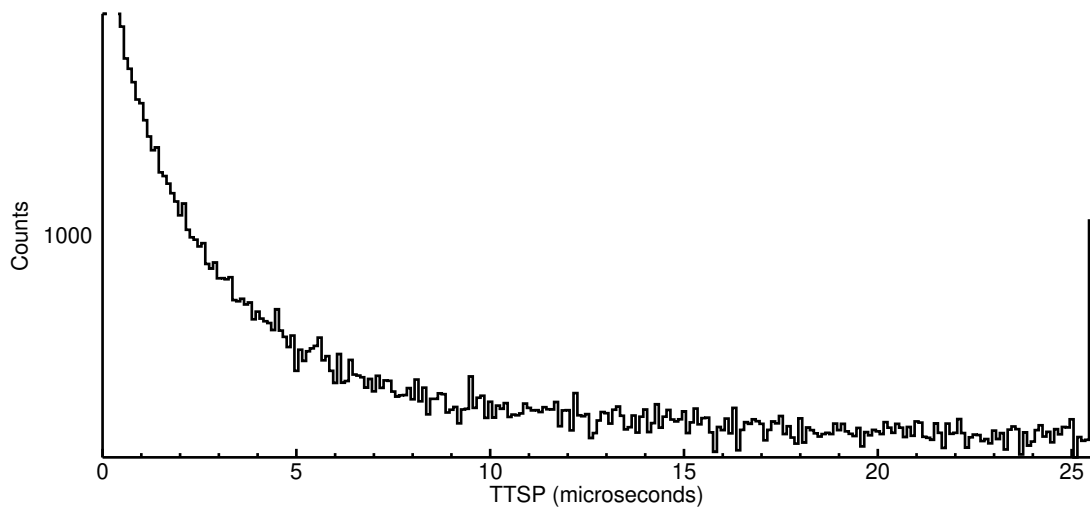
-Y BLP CAT4 first pulse



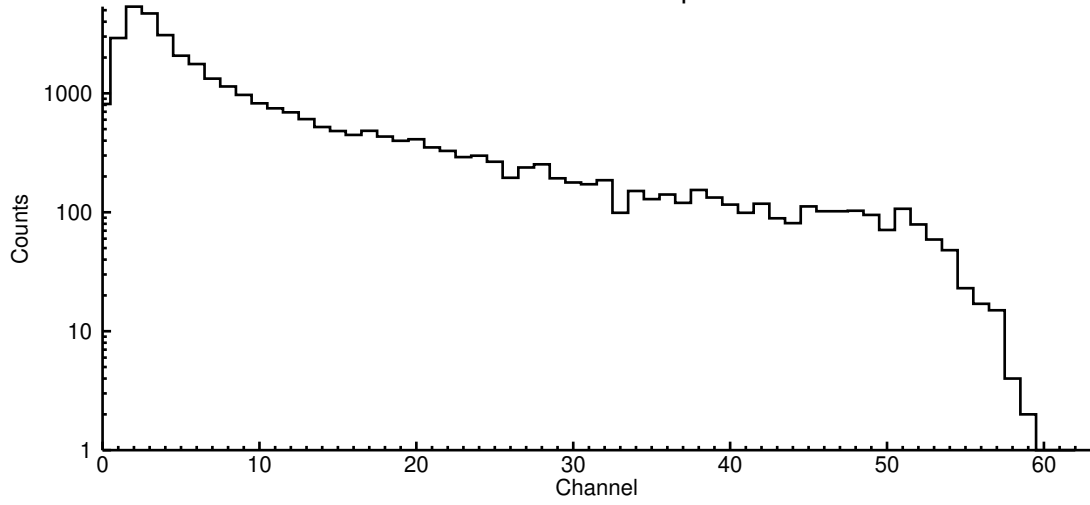
-Y BLP CAT4 second pulse



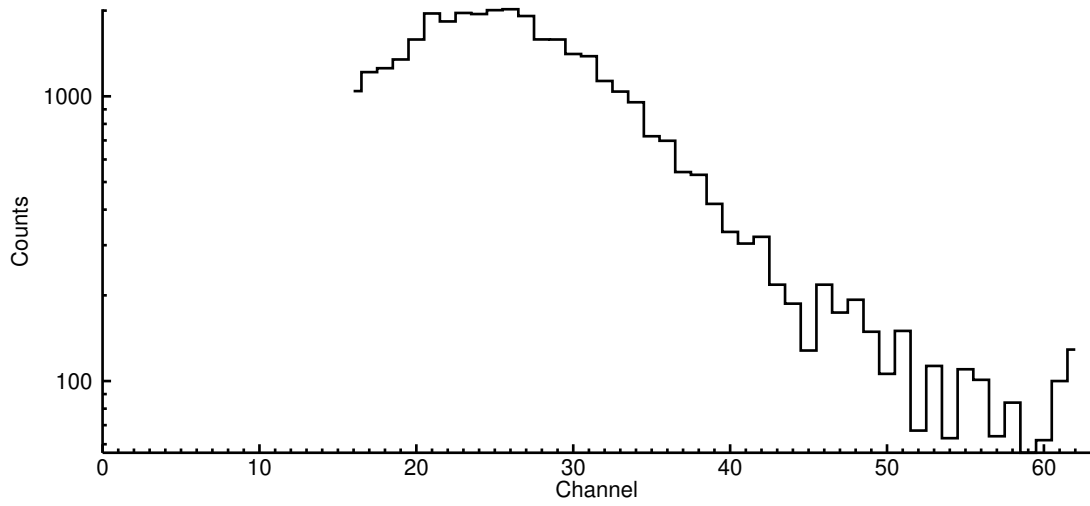
-Y BLP CAT4 time to second pulse



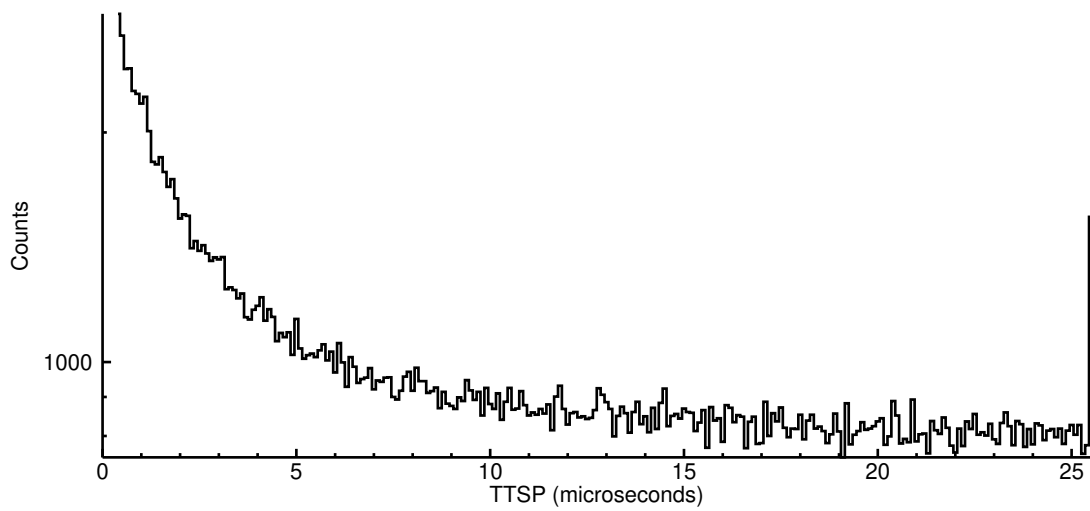
+Y BLP CAT4 first pulse



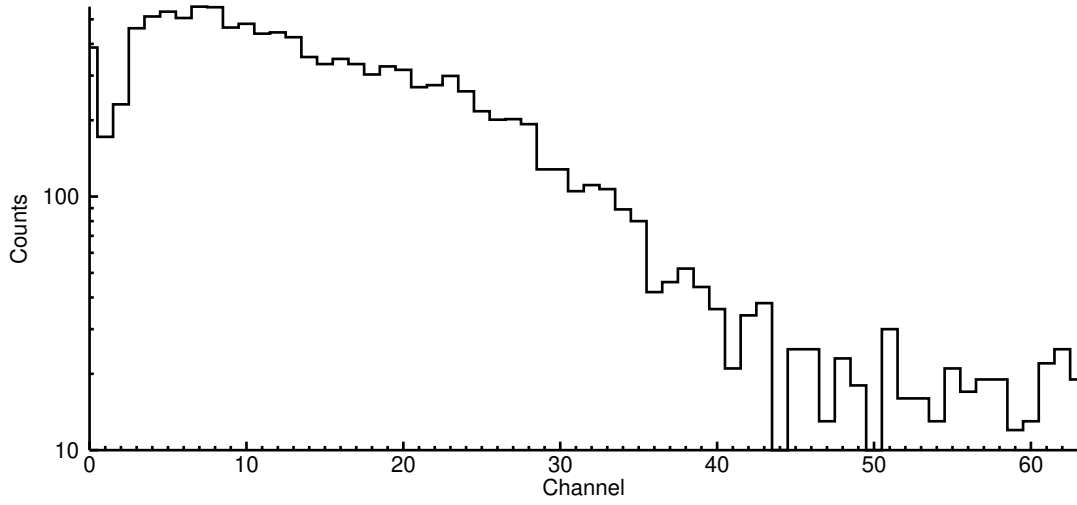
+Y BLP CAT4 second pulse



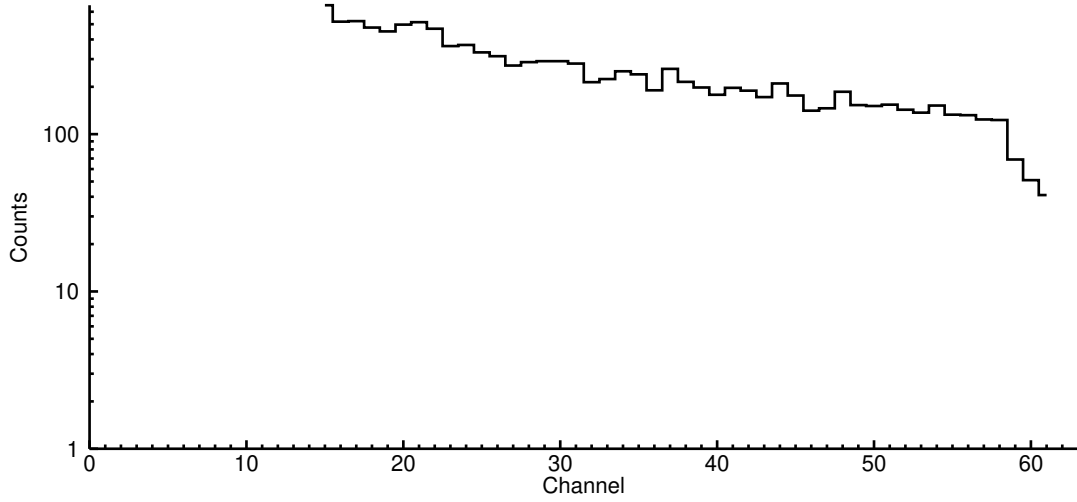
+Y BLP CAT4 time to second pulse



-Z BLP CAT4 first pulse



-Z BLP CAT4 second pulse



-Z BLP CAT4 time to second pulse

