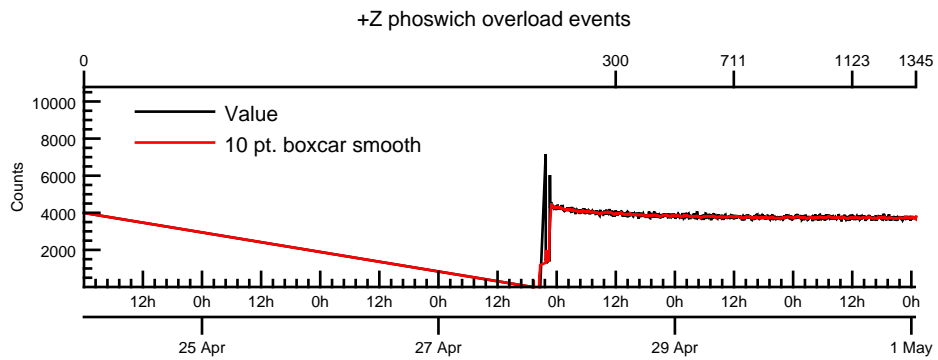
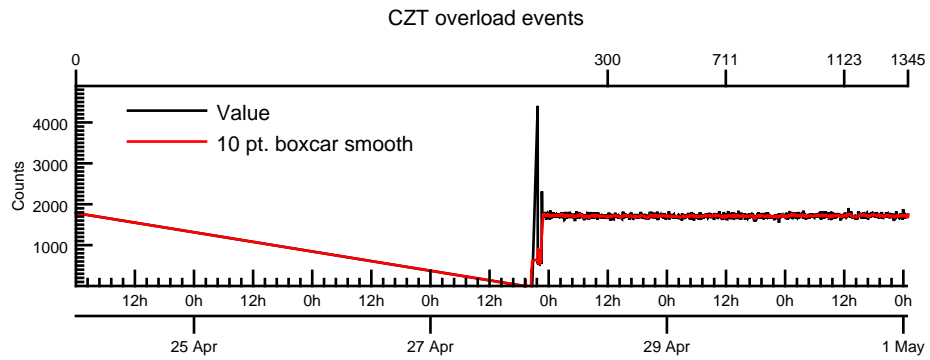
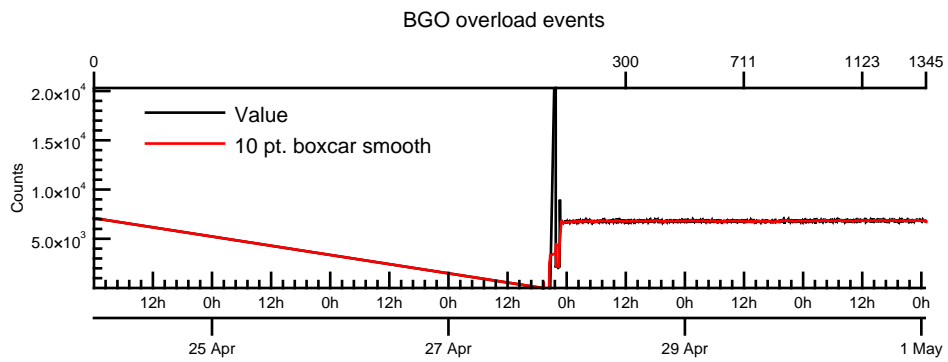
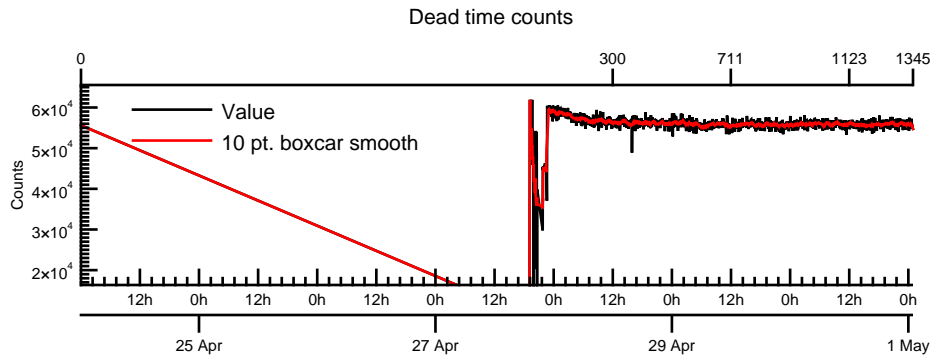


NASA Dawn Mission  
GRaND@Ceres Browse Charts  
Ceres CSR DA300 15114\_1

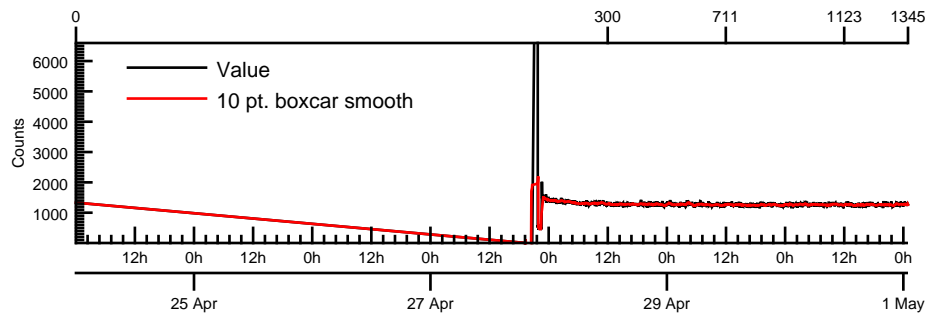
- Number of science records: 1346  
14736 missing science packets with 1 gaps.  
Start/End: 2015-04-24T00:03:18 to 2015-05-01T00:57:15
- Number of SOH records: 8051  
11709 missing SOH packets with 1 gaps.  
Start/End: 2015-04-24T00:00:35 to 2015-05-01T00:59:35
- Comments: Browse charts.
  - Provides 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.
  - Missing data count may be in error when power on data are present.

- Number of states = 112
- Instrument settings for first state (STATE\_INDEX 395):

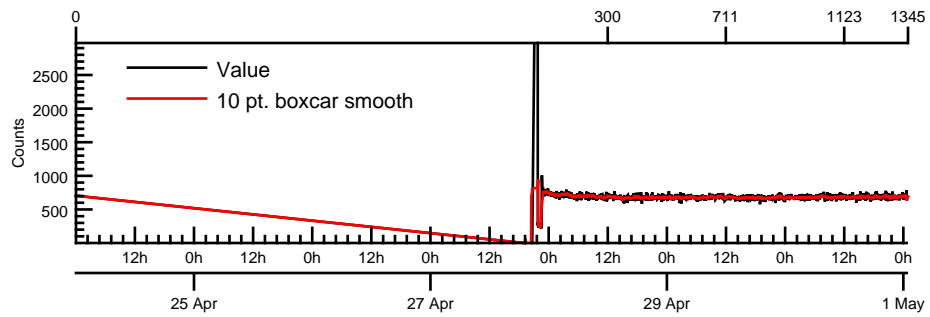
TELREADOUT	210	NEMG_TOT_EVTS	3876
TELSOH	35	NEMG_CZT_EVTS	3376
MODE	1	NEMN_TOT_EVTS	2800
HVPS1	1	L_BGO_CW	1
HVPS1_SET	180	H_BGO_CW	64
HVPS2	1	L_BGO_ROI	1
HVPS2_SET	170	H_BGO_ROI	64
HVPS3	1	L_BLP_MY_CW	1
HVPS3_SET	175	H_BLP_MY_CW	64
HVPS4	1	L_BLP_MY_ROI	1
HVPS4_SET	180	H_BLP_MY_ROI	64
HVPS5	1	L_BLP_PY_CW	1
HVPS5_SET	125	H_BLP_PY_CW	64
HVPS6	1	L_BLP_PY_ROI	1
HVPS6_SET	170	H_BLP_PY_ROI	64
PM5_LVPS	1	L_BLP_MZ_CW	1



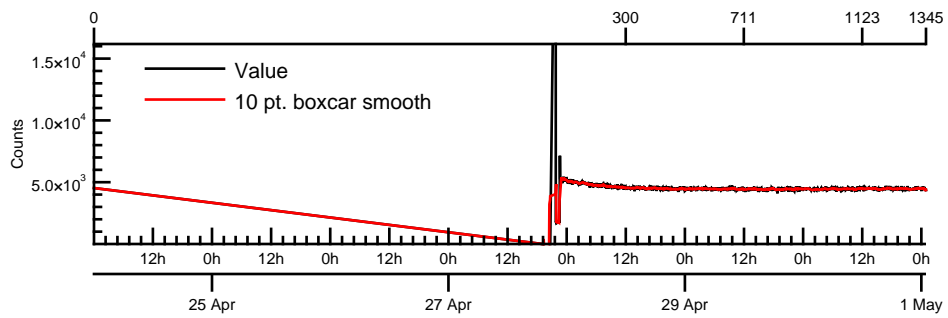
-Y BLP overload events



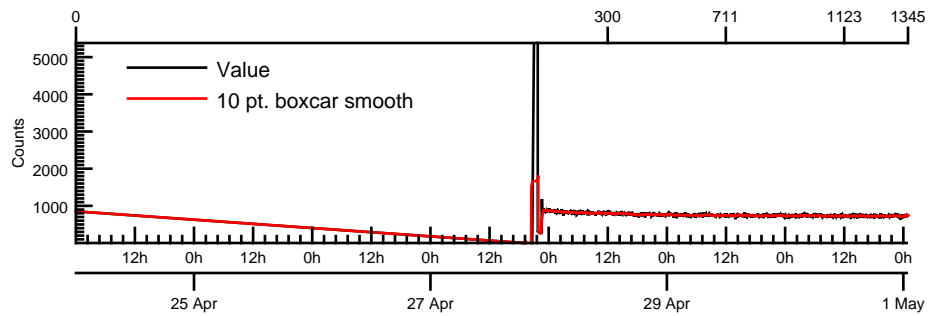
+Y BLP overload events

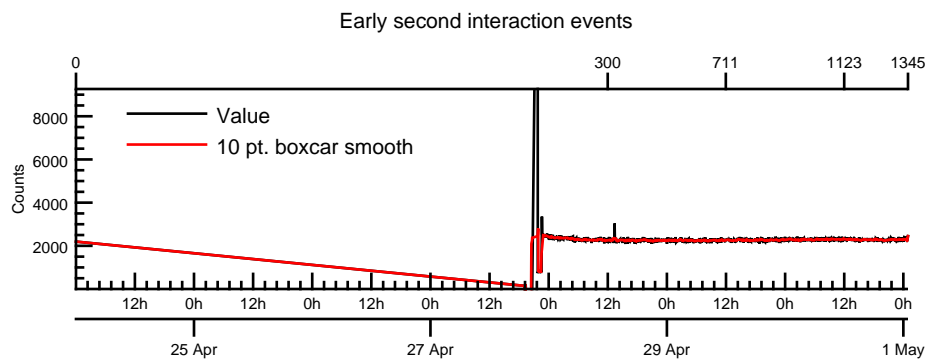
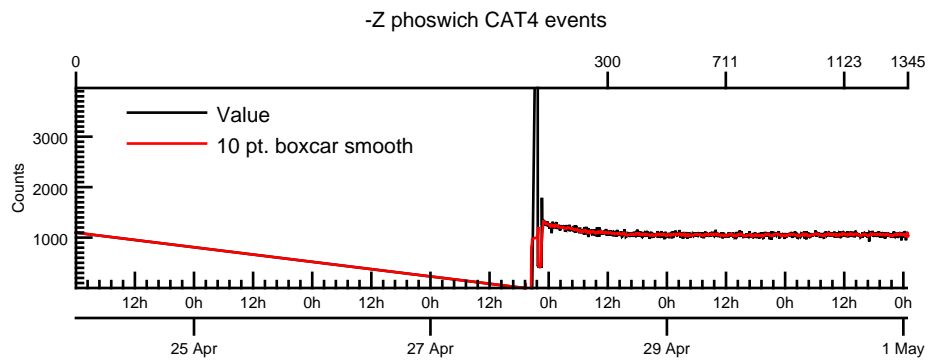
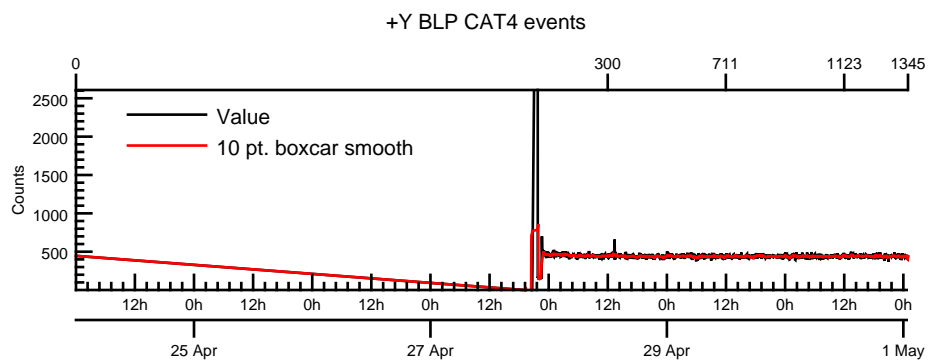
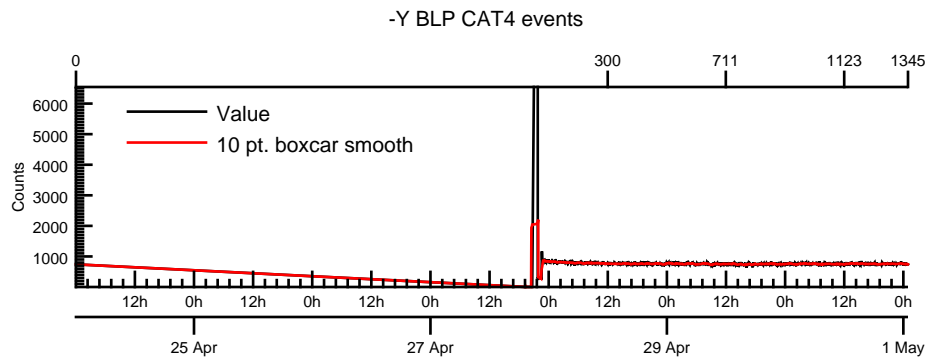


-Z phoswich overload events

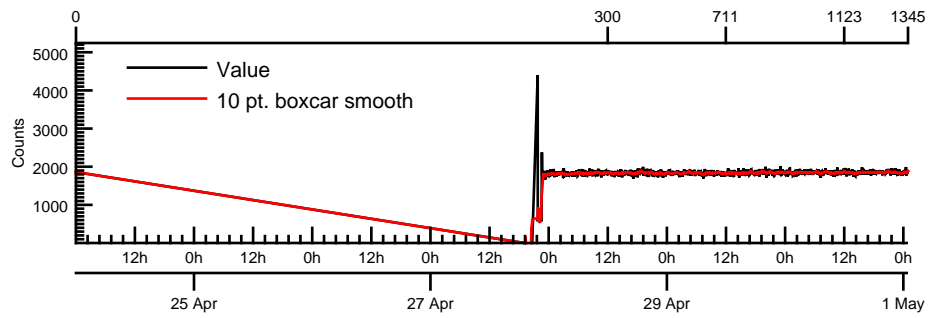


+Z phoswich CAT4 events

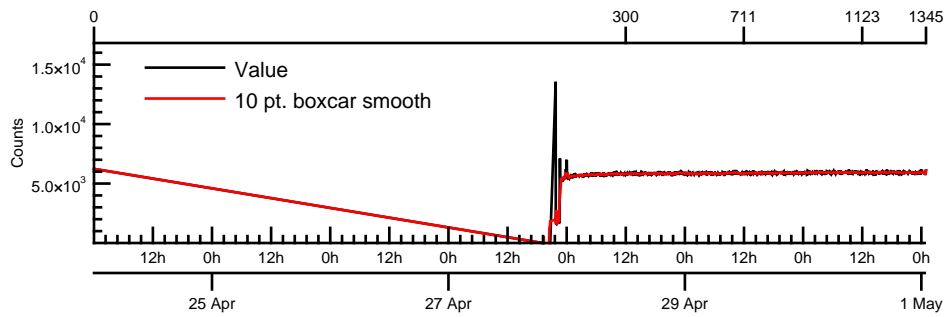




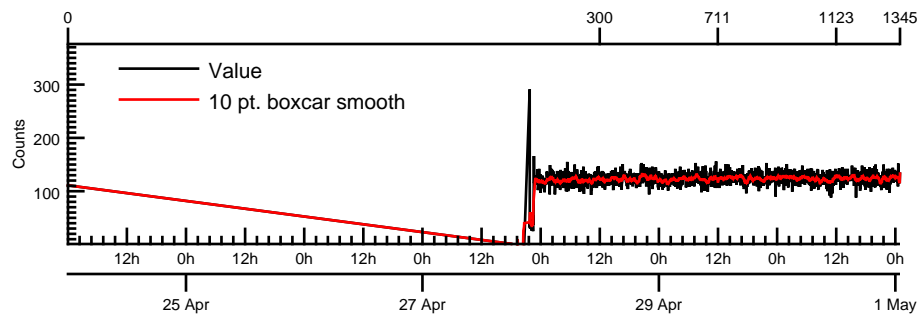
Multiple-crystal CZT events



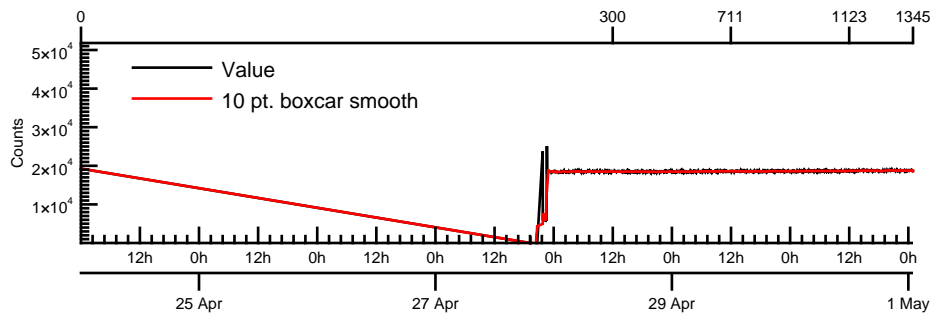
Valid CZT events (CAT10)



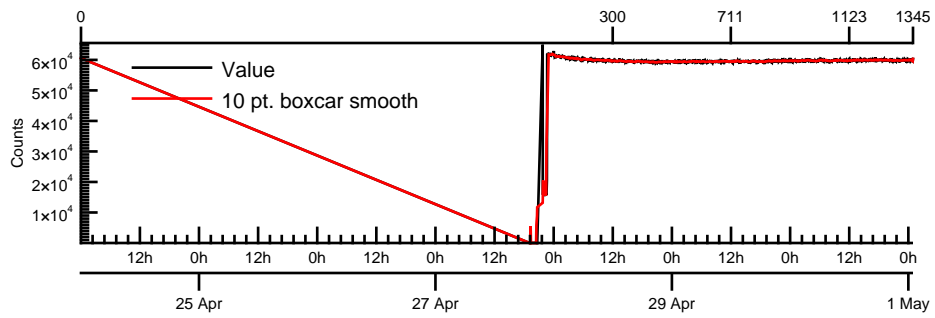
Coincidence BGO and CZT events (CAT7)



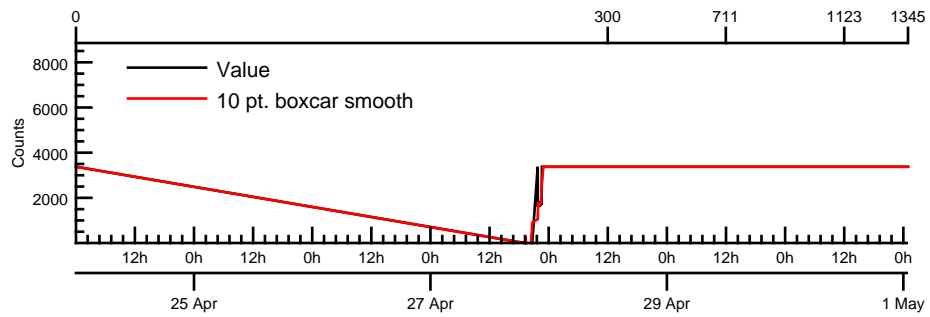
Coincidence of three or more sensor elements



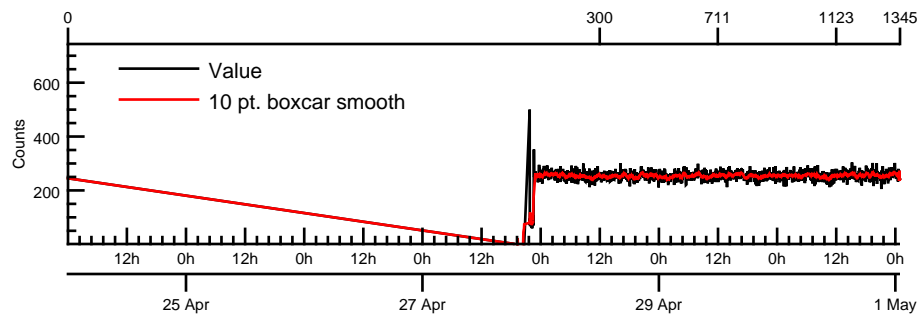
Total events processed by GRaND



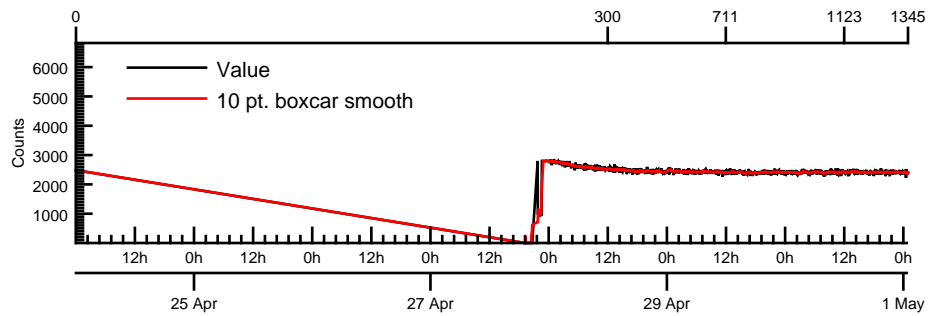
Number of single CZT events (CAT10) in the gamma ray event buffer

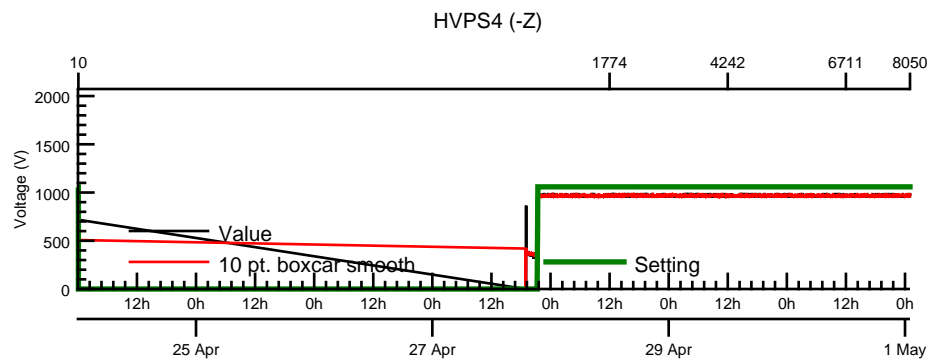
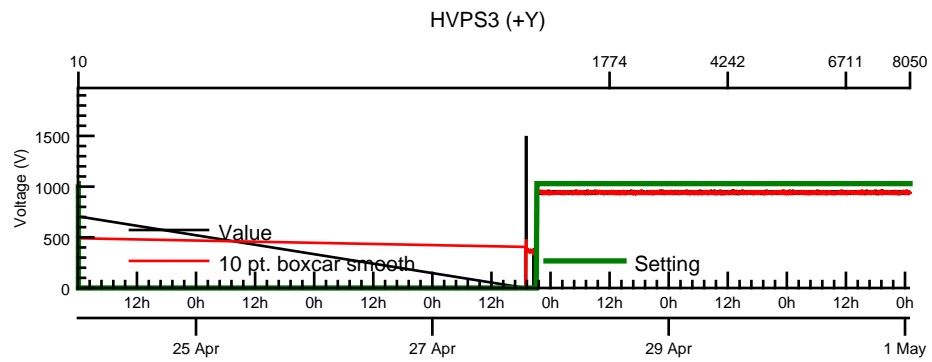
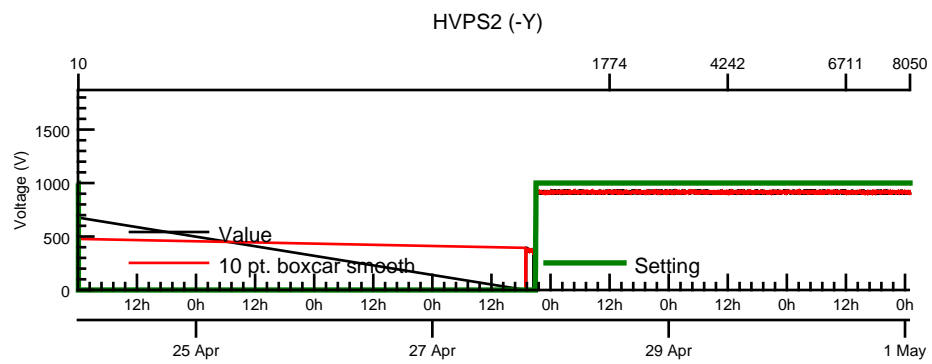
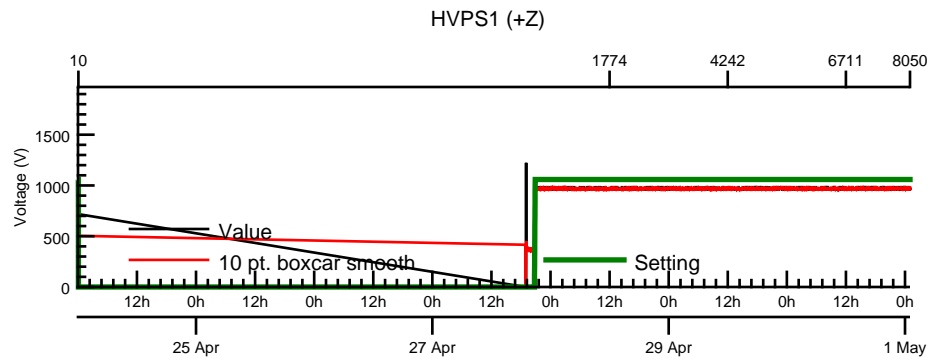


Number of BGO-CZT events (CAT7) in the gamma ray event buffer

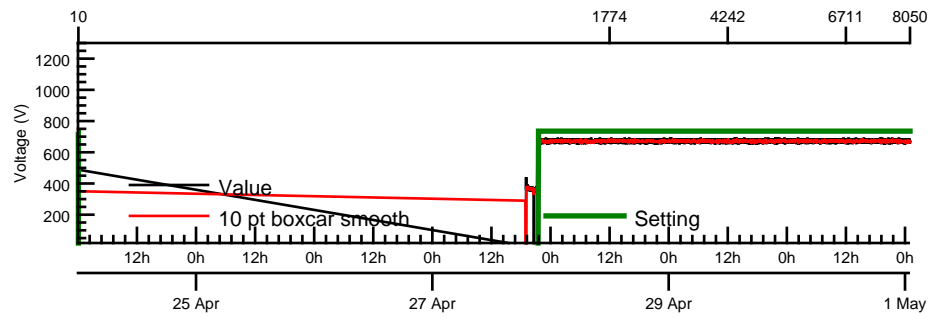


Number of events (CAT4) in the neutron event buffer

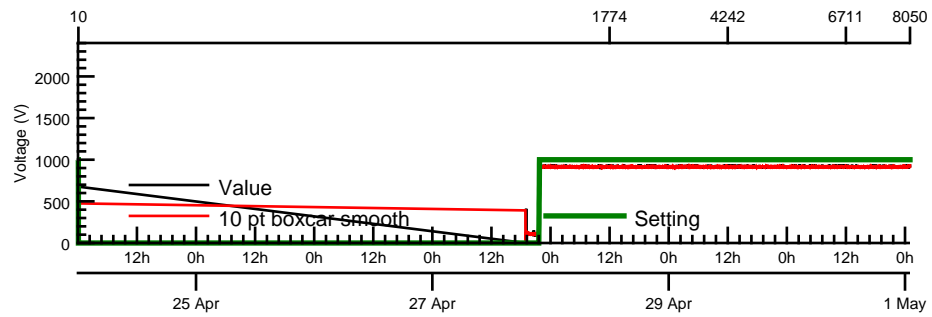




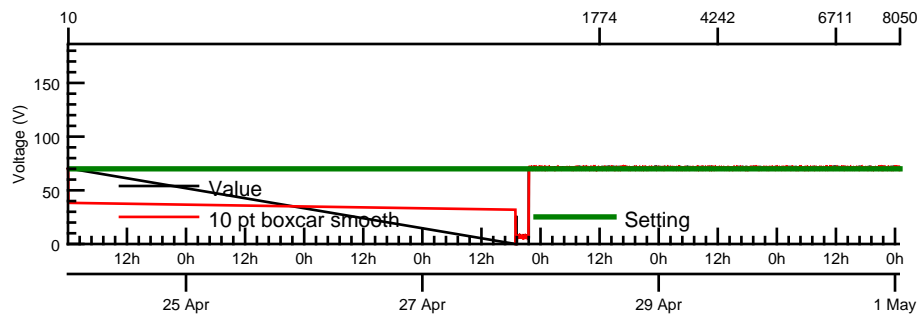
HVPS5 (BGO)



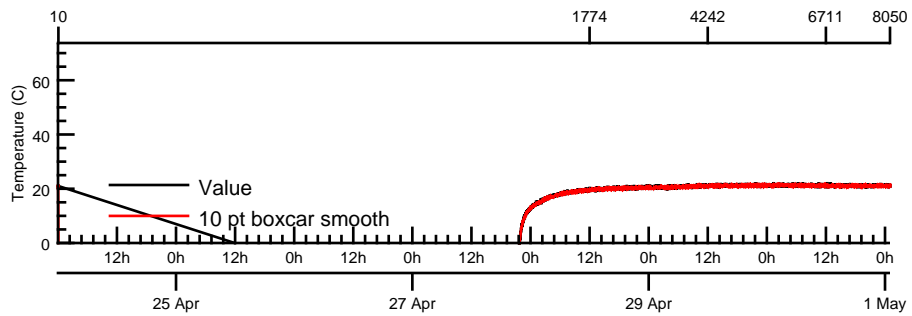
HVPS6 (CZT)



HVPS70 (CZT grid bias)

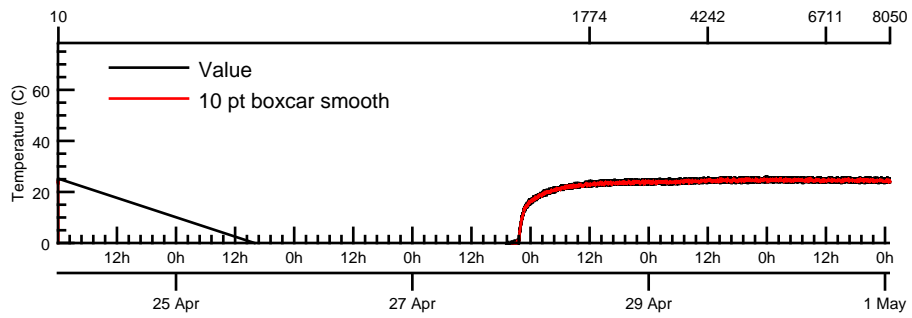


TCZT<1,2,3>

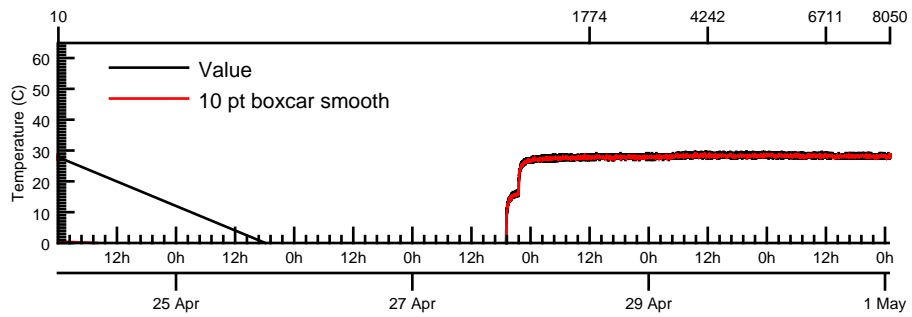




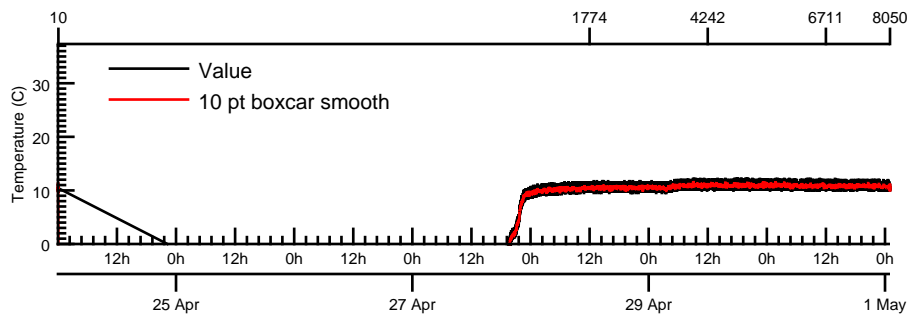
TCZT4



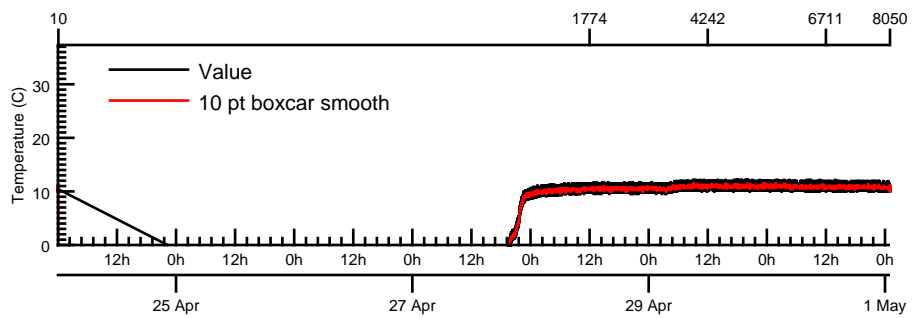
TLVPS

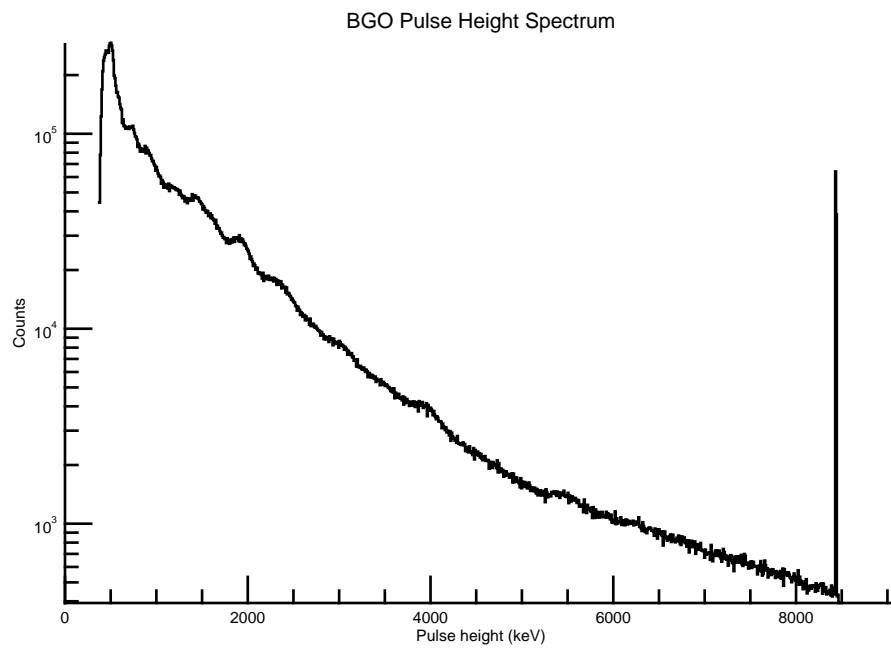
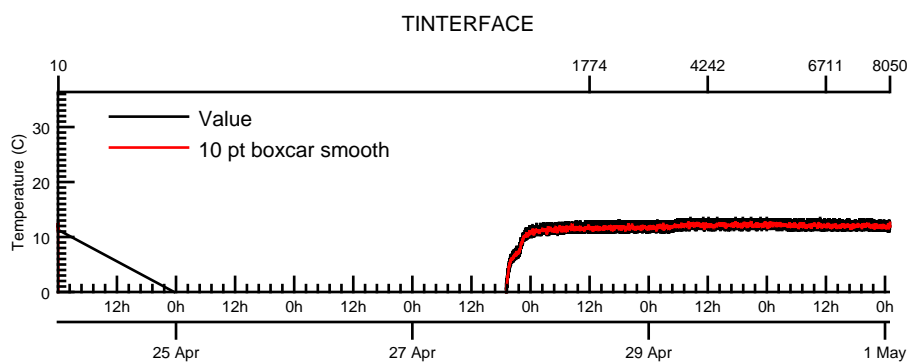
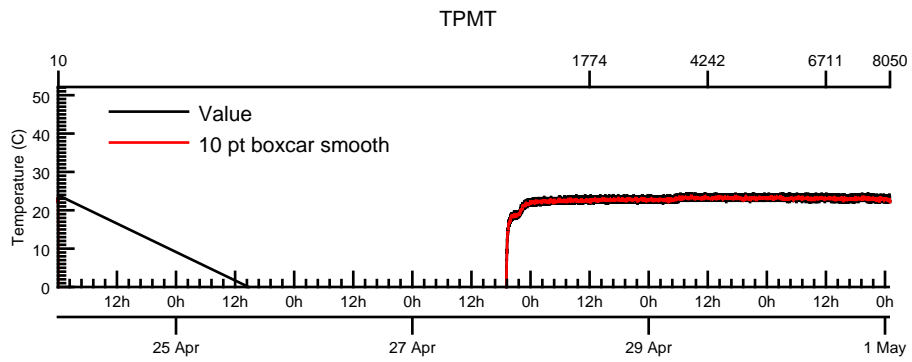


THVPS

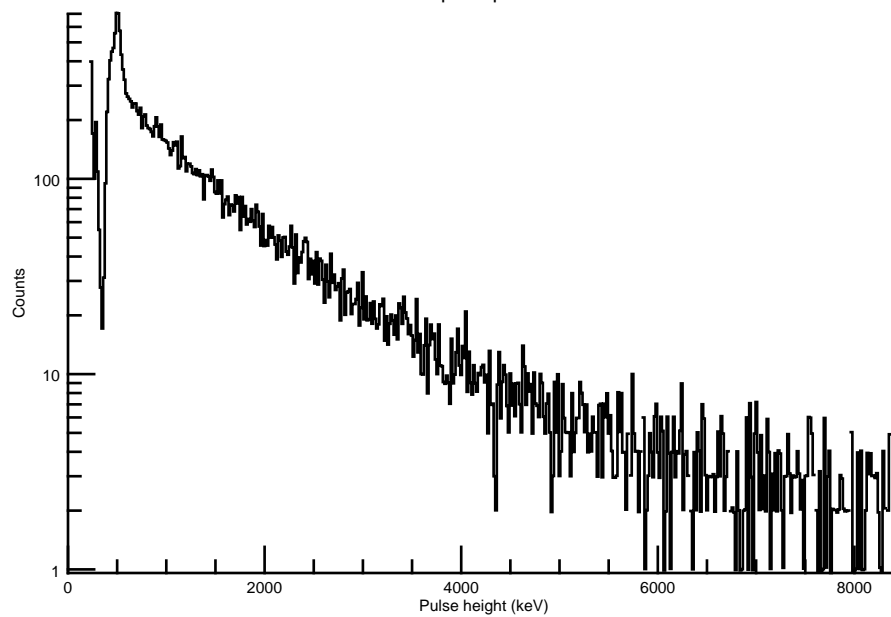


TBGO

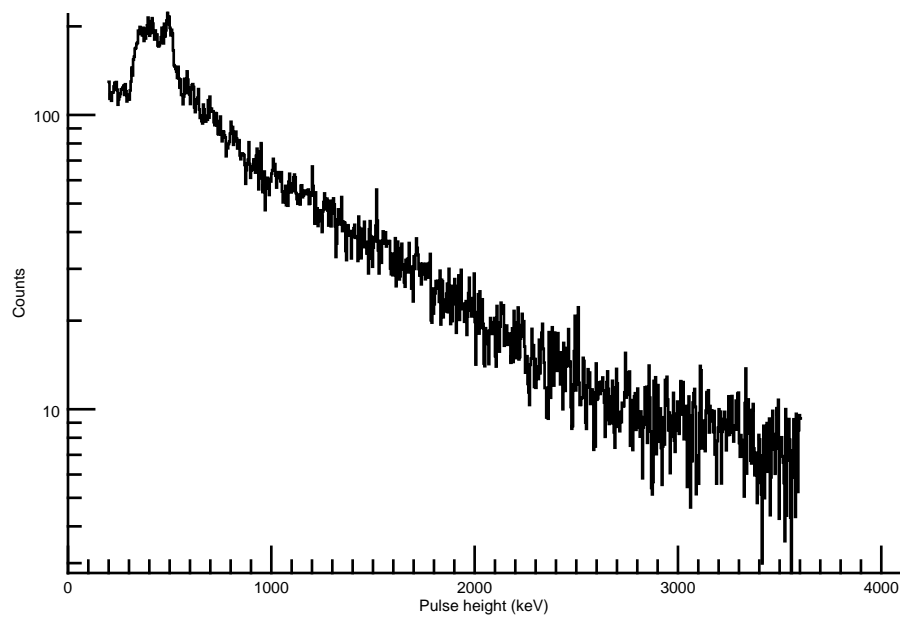


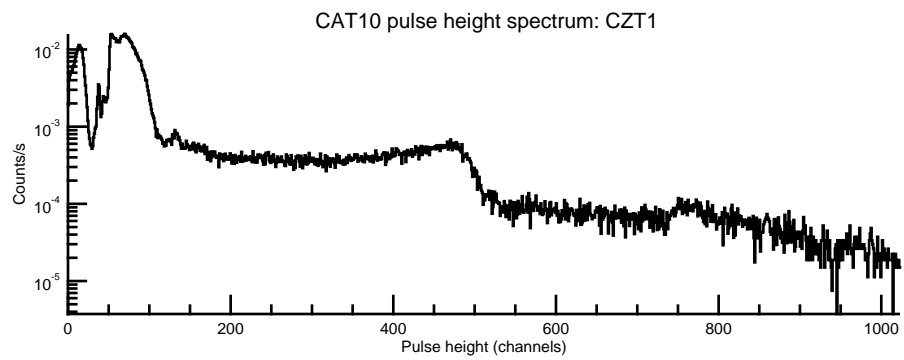
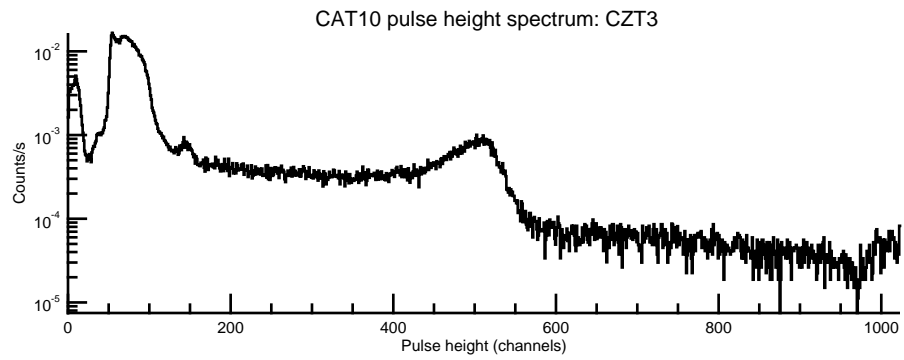
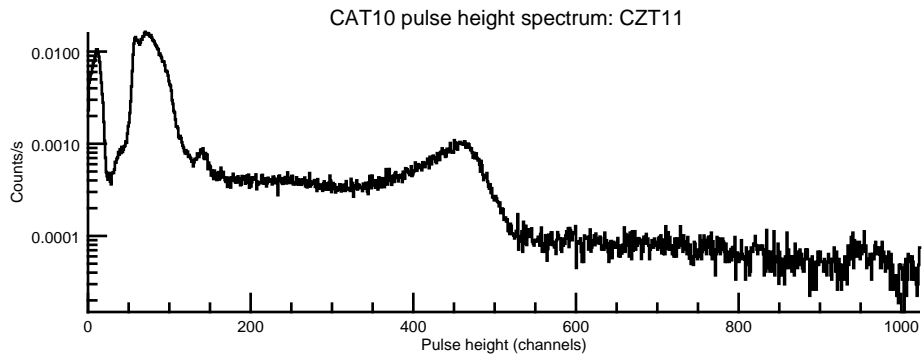


BGO-CZT pair spectrum: BGO

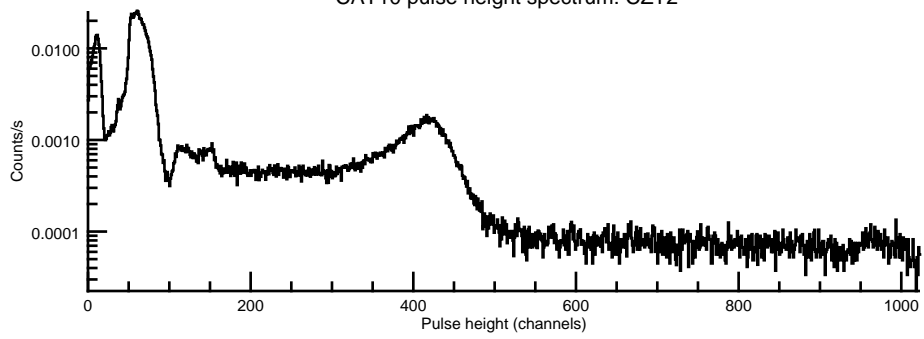


BGO-CZT pair spectrum: CZT

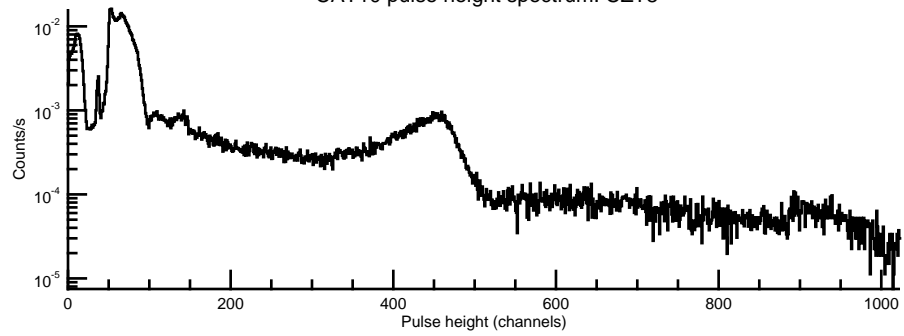




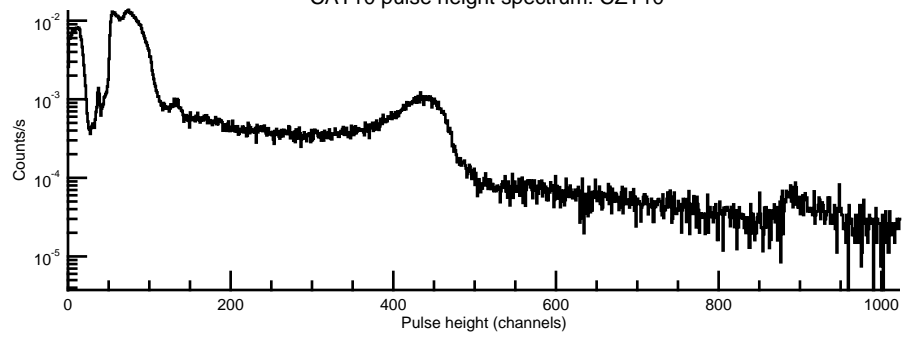
CAT10 pulse height spectrum: CZT2



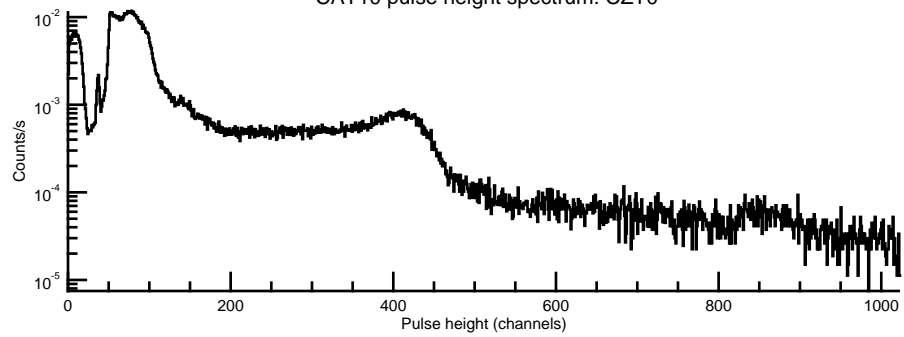
CAT10 pulse height spectrum: CZT8



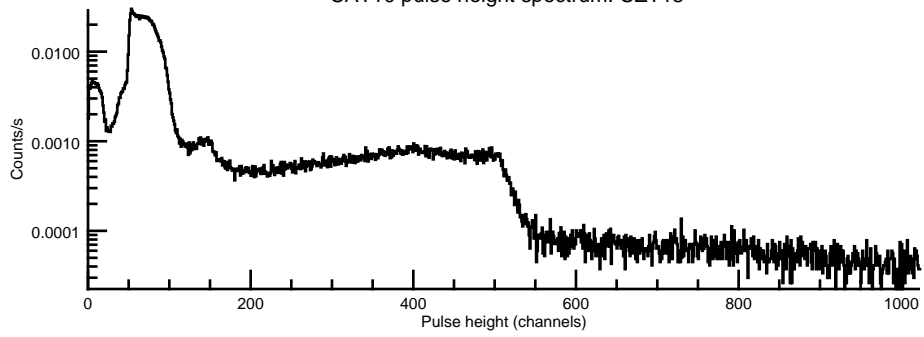
CAT10 pulse height spectrum: CZT10



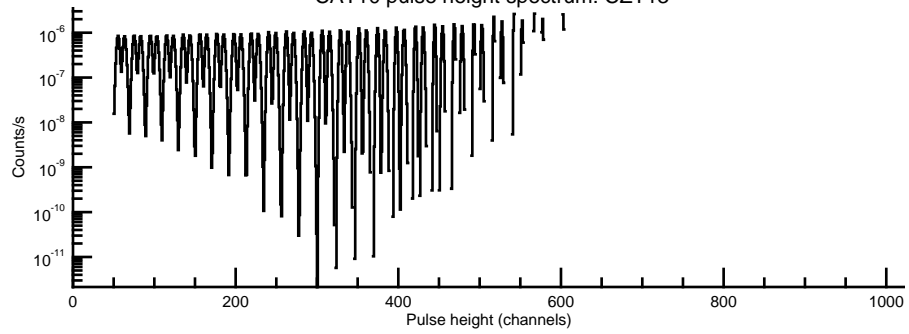
CAT10 pulse height spectrum: CZT0



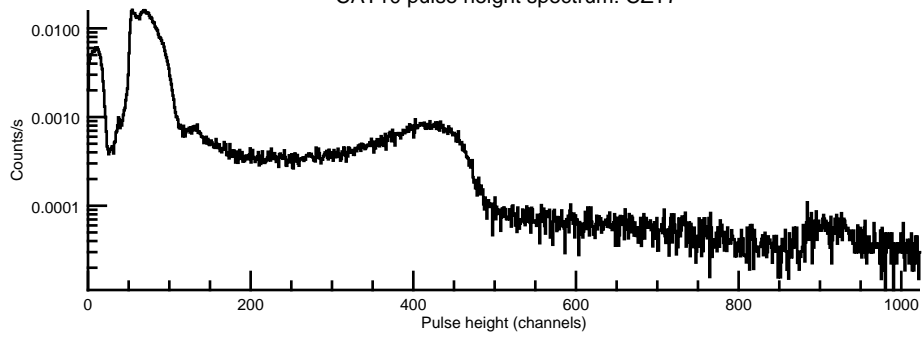
CAT10 pulse height spectrum: CZT15



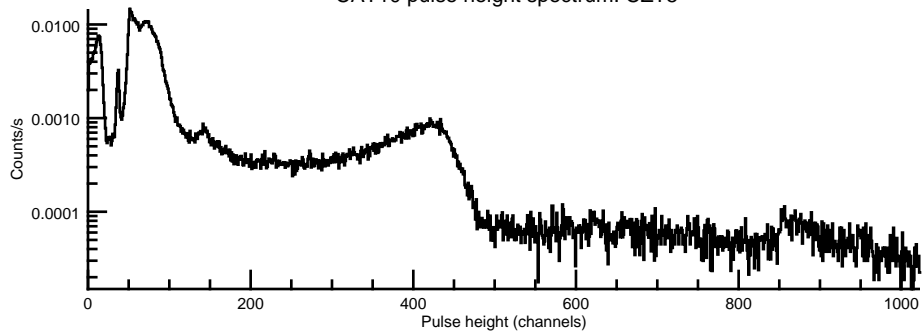
CAT10 pulse height spectrum: CZT13

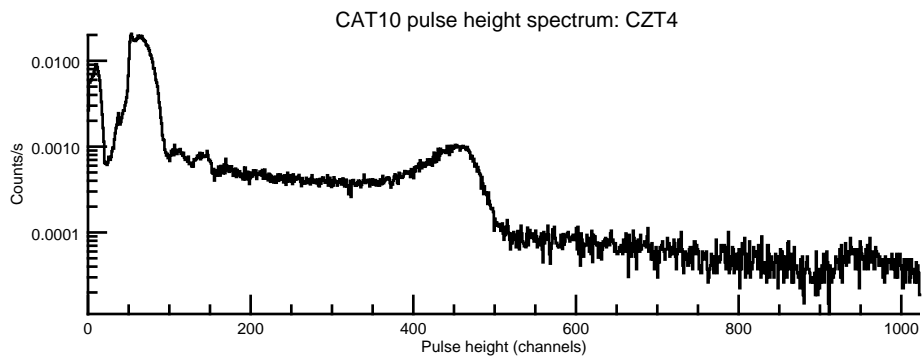
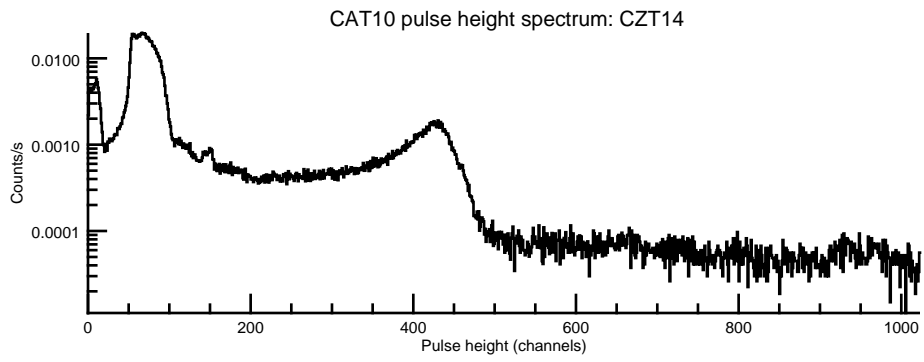
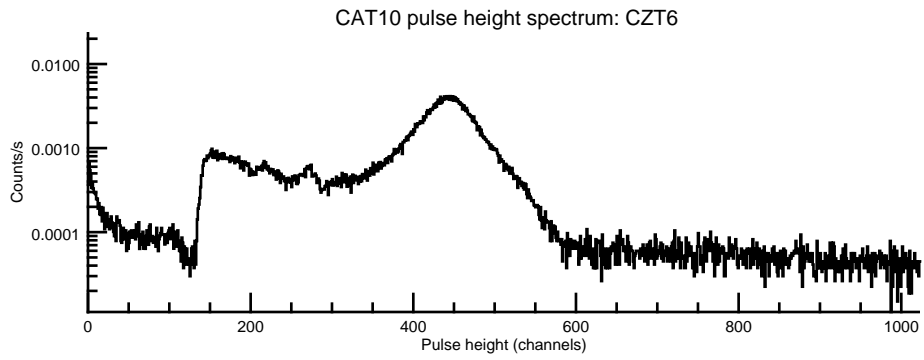


CAT10 pulse height spectrum: CZT7

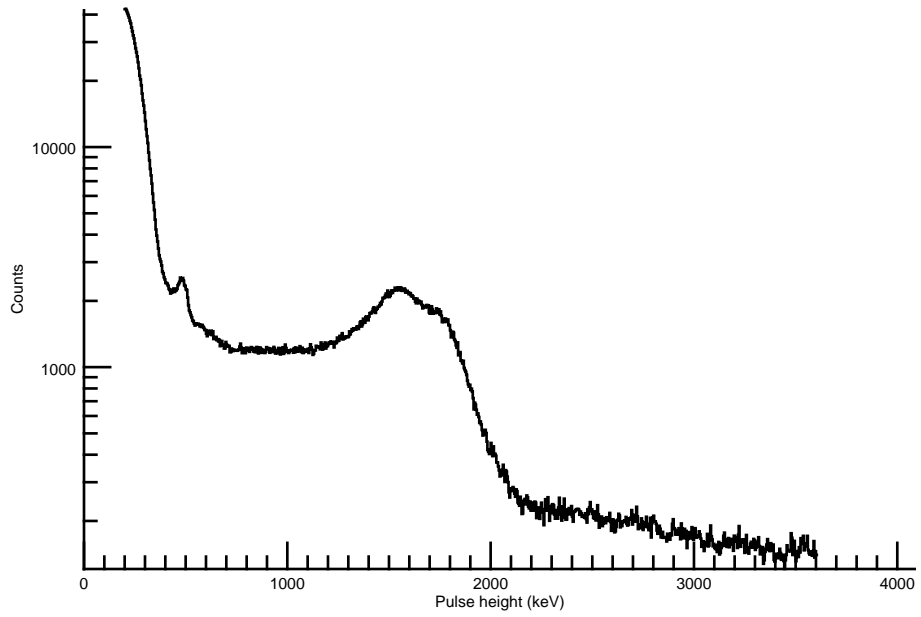


CAT10 pulse height spectrum: CZT5





CAT10 CZT composite



CAT1 histograms

