

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8929 - L2 Version 2
Chandra X-Ray Center

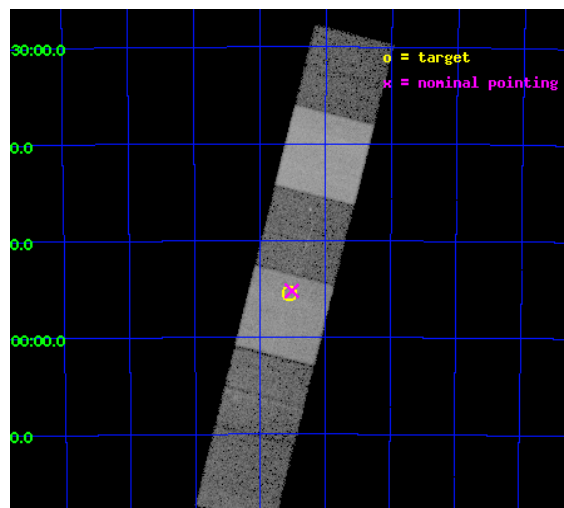
L2 Processing Date : May 26 2012

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1 Front

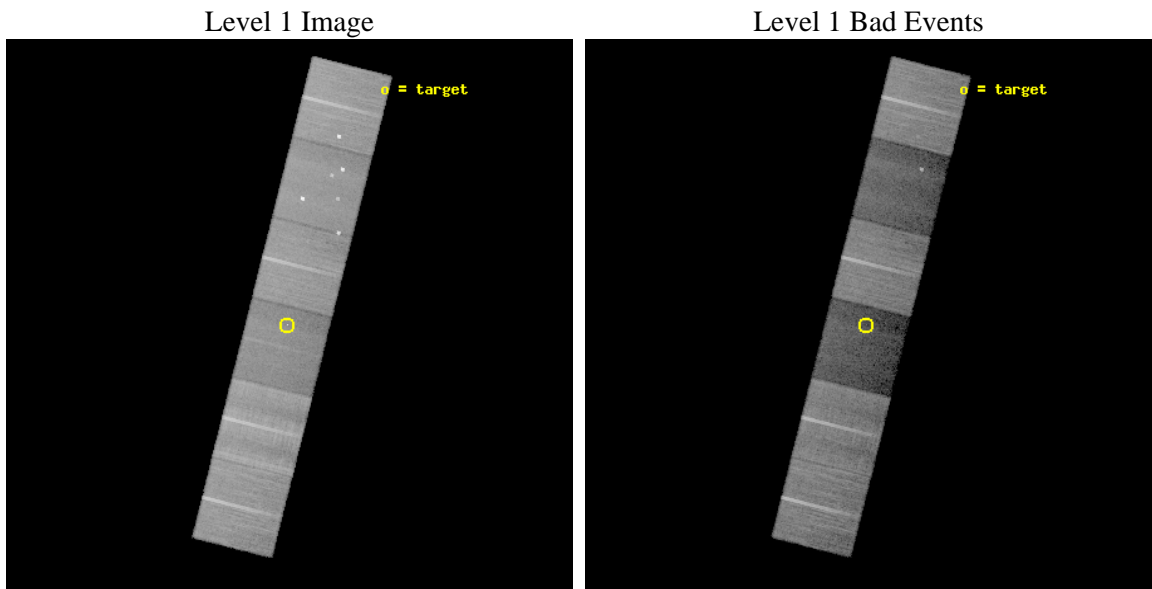
seq_num	200510	Sequence number
obs_id	8929	Observation id
title	An Emerging Class of Hot Emission Line Stars: HD 119682	Proposal t
observer	Dr Cara Rakowski	Principal investigator
object	HD 119682	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.635833	Observer's specified target RA [deg]
dec_targ	-62.923361	Observer's specified target Dec [deg]
ra_nom	206.62818312229	Nominal RA [deg]
dec_nom	-62.920002047441	Nominal Dec [deg]
roll_nom	104.14981027722	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29283.112167418	Sum of GTIs [s]
livetime	28912.311768981	Livetime [s]
ontime4	29276.671276808	Sum of GTIs [s]
ontime5	29283.071127415	Sum of GTIs [s]
ontime6	29276.548146725	Sum of GTIs [s]
ontime7	29283.112167418	Sum of GTIs [s]
ontime8	29276.507067025	Sum of GTIs [s]
ontime9	29279.707037151	Sum of GTIs [s]
l2events	239124	Number of level 2 events



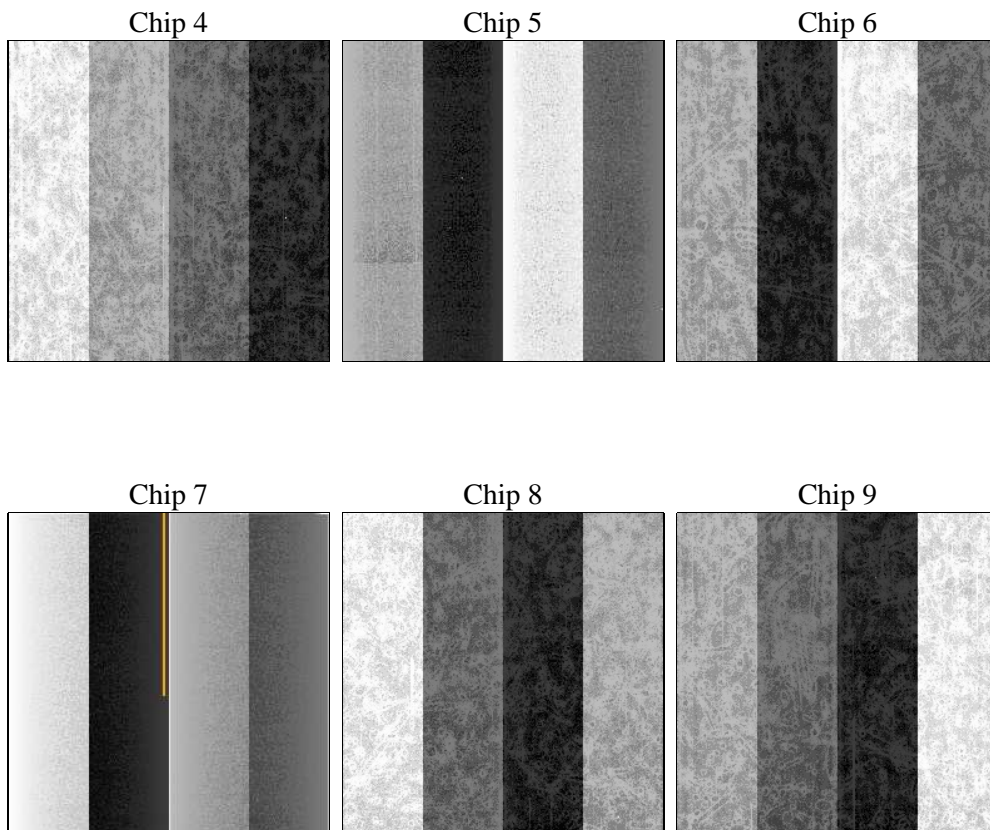
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29426.269000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	29283.112167418	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	29276.671276808	Sum of GTIs [s]
date	2012-05-26T05:51:53	Date and time of file creation	ontime5	29283.071127415	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	29276.548146725	Sum of GTIs [s]
			ontime7	29283.112167418	Sum of GTIs [s]
			ontime8	29276.507067025	Sum of GTIs [s]
			ontime9	29279.707037151	Sum of GTIs [s]
			l1events	1211796	Number of level 1 events

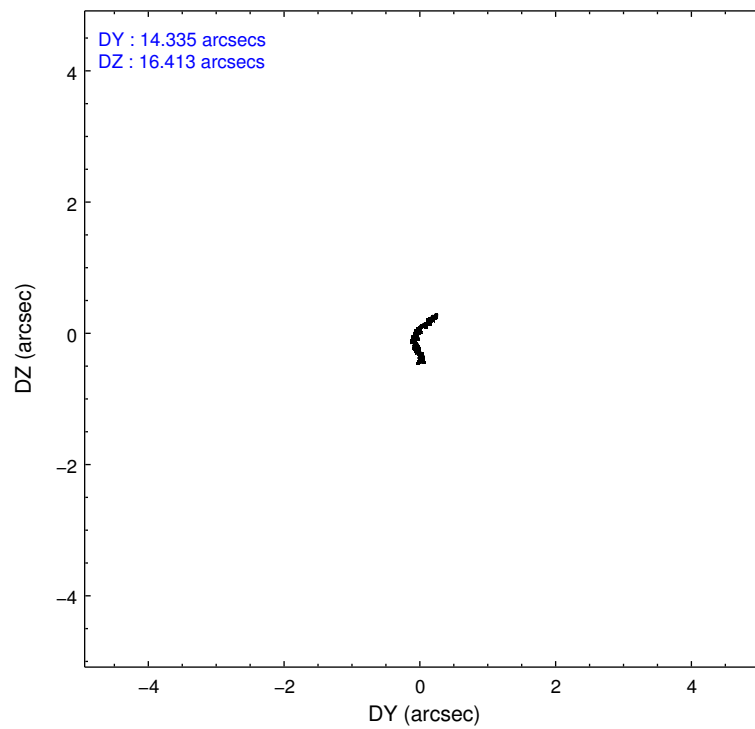
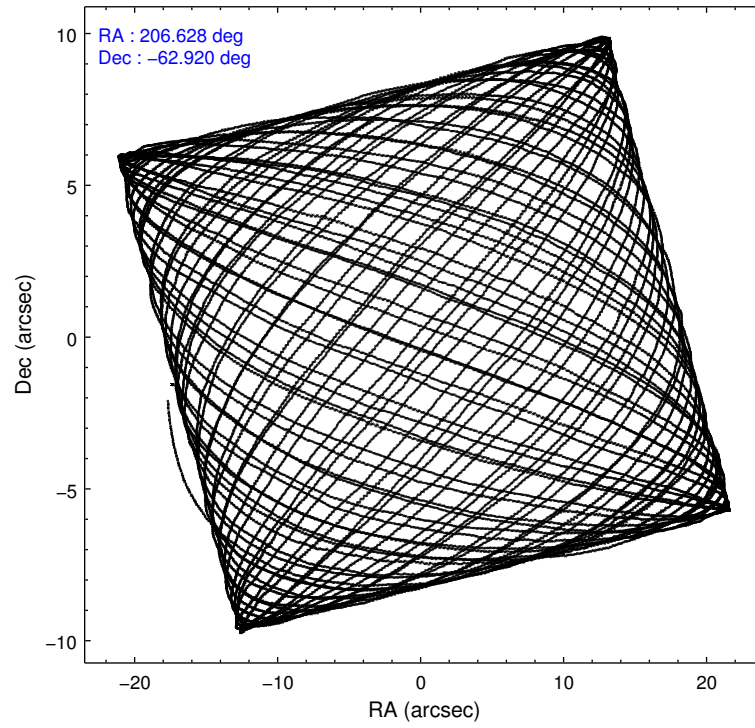
2.1.4 Events

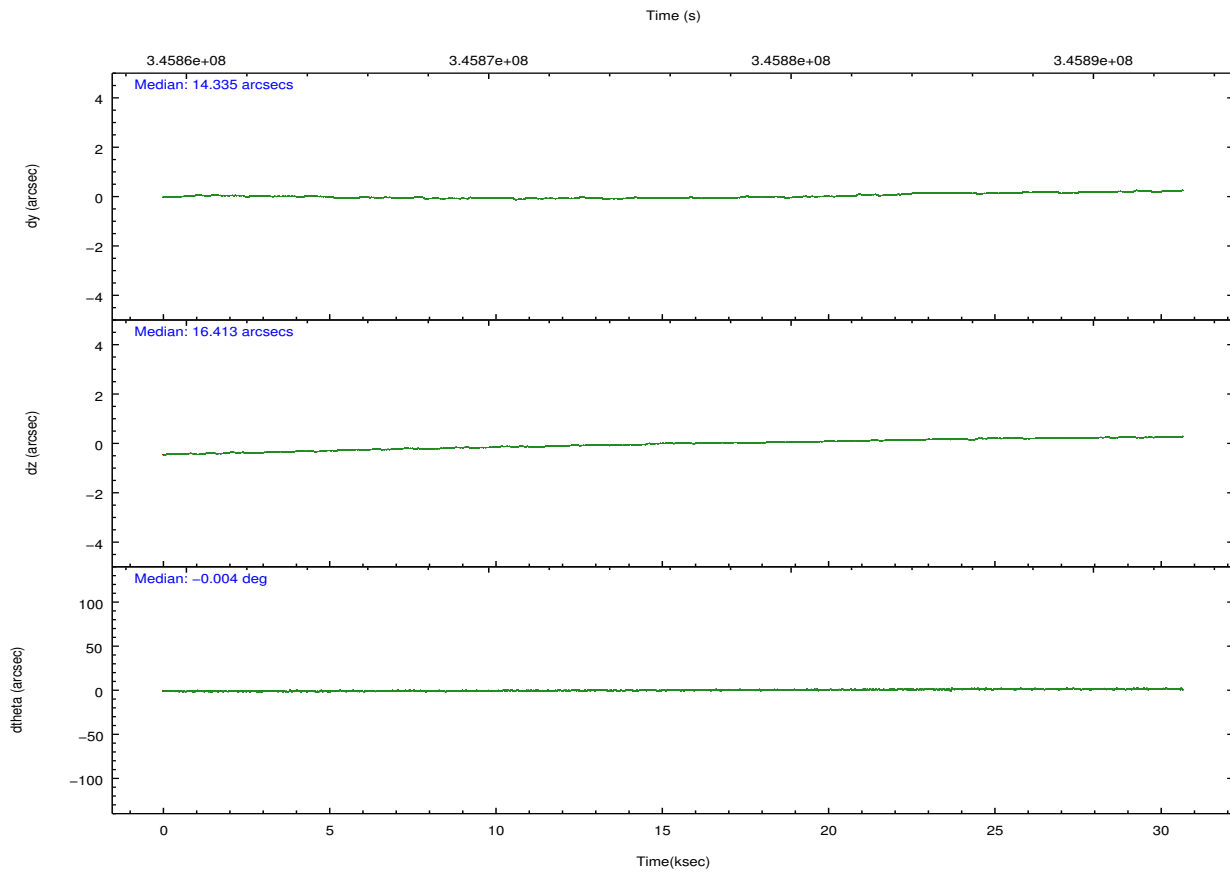
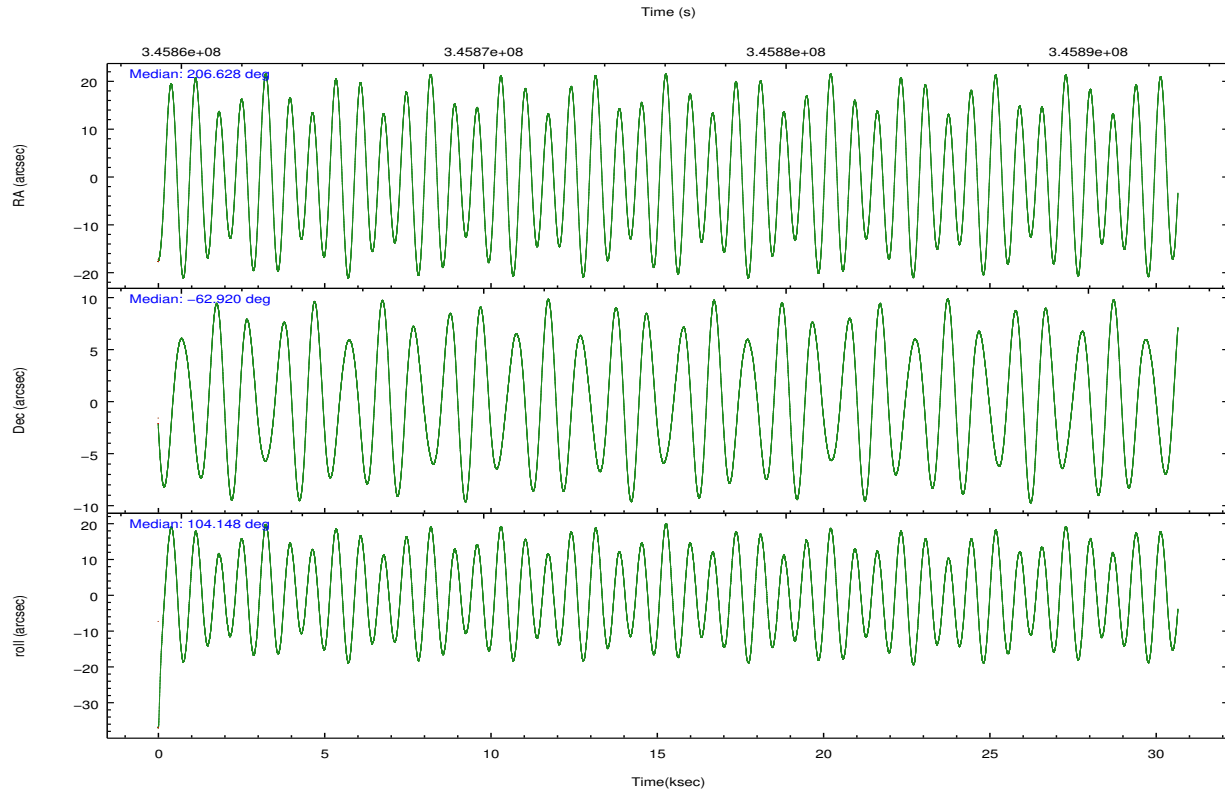
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	248502	201361	207353	124478	240398	189704	grade 0 events	14869	26874	9255	9570	18747	7314
rejected events	221424	75571	186513	52081	174650	171202		5%	13%	4%	7%	7%	3%
rejected %	89%	37%	89%	41%	72%	90%	grade 1 events	227	672	102	339	204	128
								0%	0%	0%	0%	0%	0%
							grade 2 events	5227	38032	4286	17743	15755	3871
								2%	18%	2%	14%	6%	2%
							grade 3 events	2156	5758	2057	7201	7096	2120
								0%	2%	0%	5%	2%	1%
							grade 4 events	2029	5676	2050	7252	6410	2042
								0%	2%	0%	5%	2%	1%
							grade 5 events	4359	15426	4107	12729	7163	4827
								1%	7%	1%	10%	2%	2%
							grade 6 events	2802	49474	3195	30644	17744	3160
								1%	24%	1%	24%	7%	1%
							grade 7 events	216833	59449	182301	39000	167279	166242
								87%	29%	87%	31%	69%	87%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	206.670649	206.6281831222906	Subarray requested	NONE	NONE
[deg] Pointing Dec	-62.939321	-62.92000204744117	Alternating exposures requested	N	N
[deg] Pointing Roll	104.031009	104.1498102772223	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	345861995.184000	345860410.65866			
Observation start date	2008-12-17T00:45:30	2008-12-17T00:20:10			
[s] Observation end time (MET)	345891421.184000	345891644.46021			
Observation end date	2008-12-17T08:55:56	2008-12-17T09:00:44			
Read mode	TIMED	TIMED			

2.3 Aspect



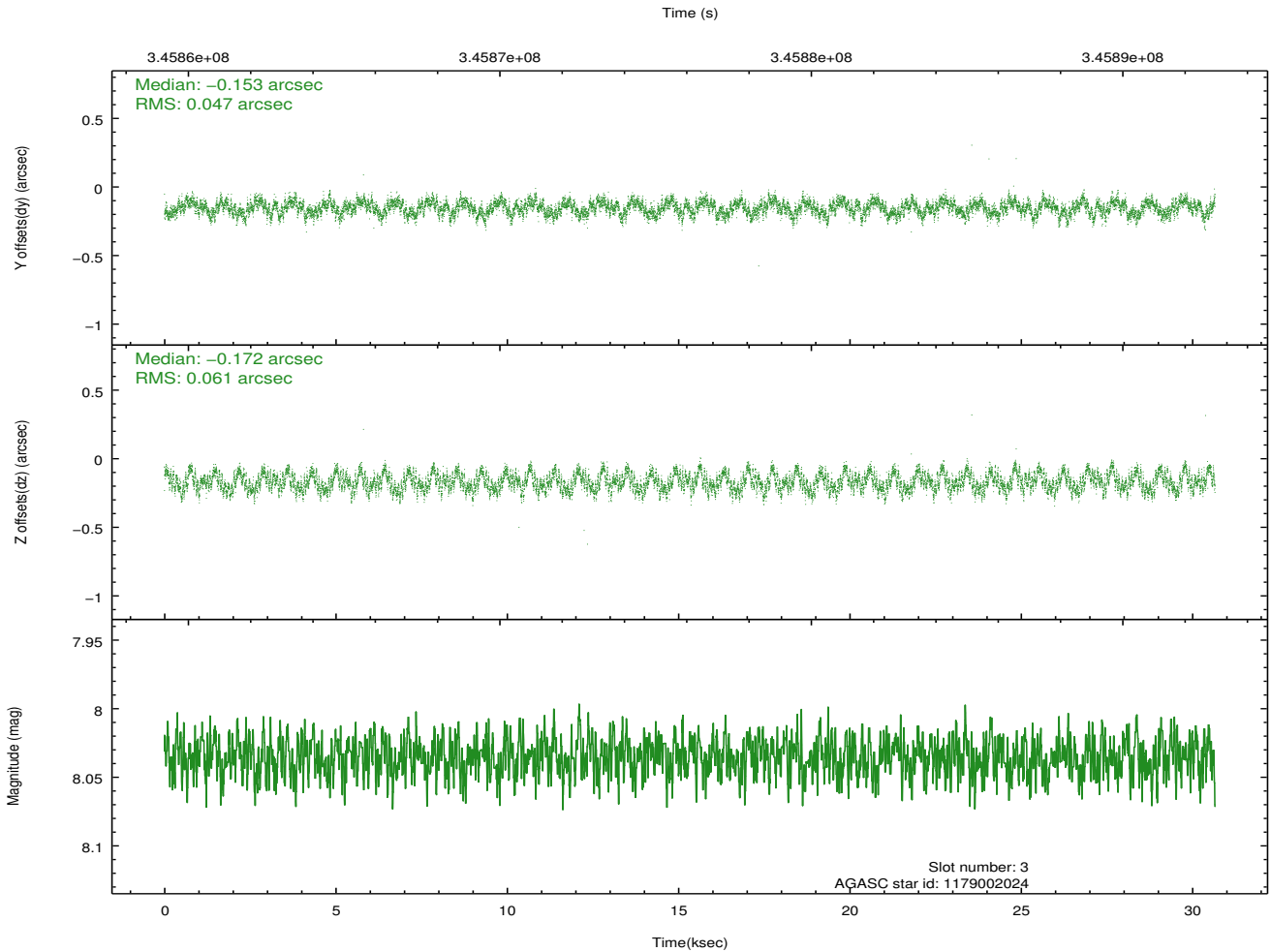
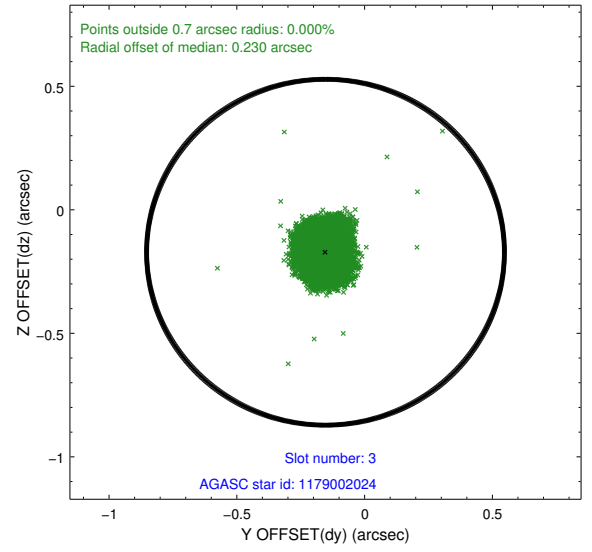
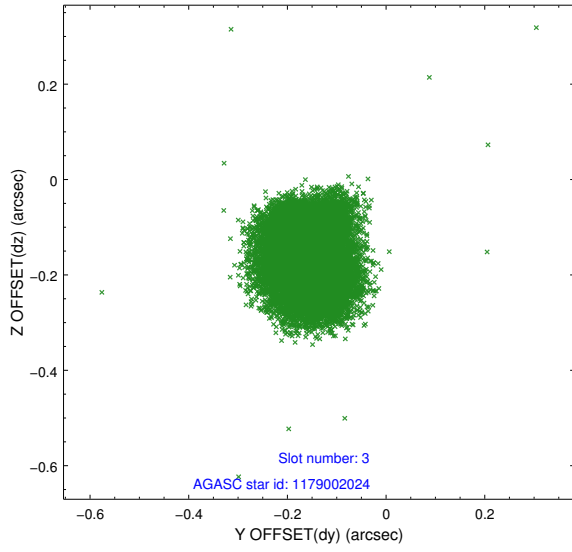


Slot Statistics

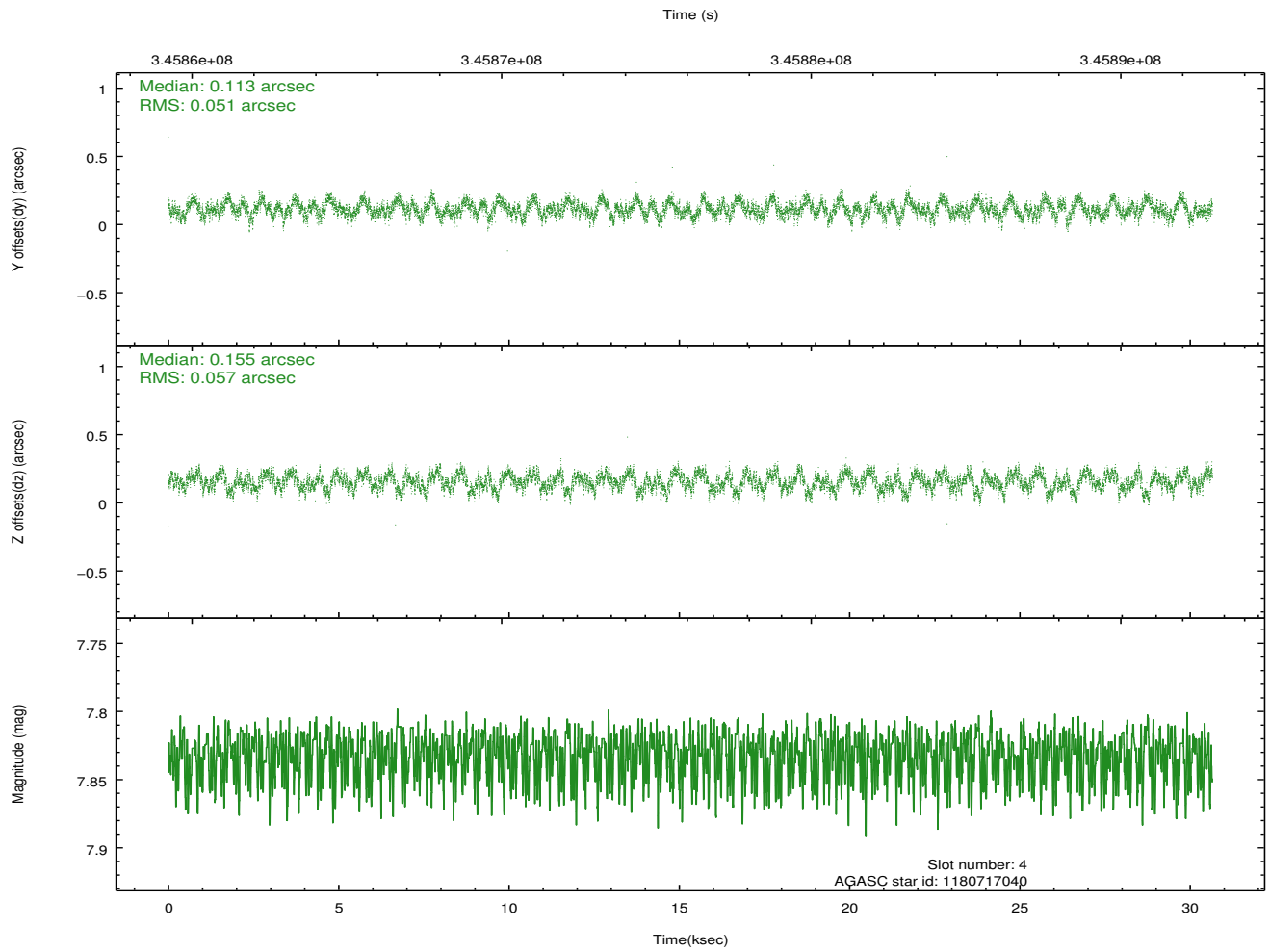
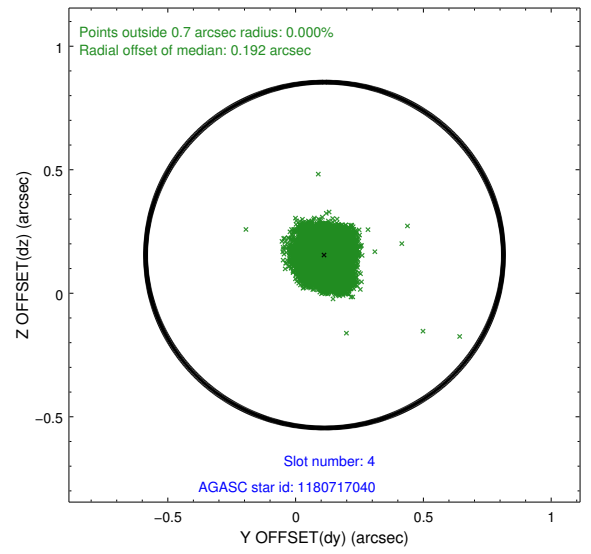
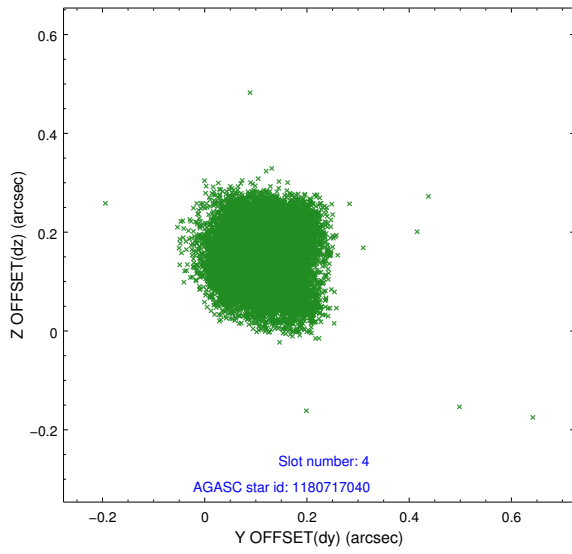
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.94	7479	0.048	-0.063	0.011	0.021	0.000000	0.000000	928.74	-1733.50
1	FID	ACIS-S-4	6.95	7479	0.116	0.025	0.008	0.012	0.000000	0.000000	2146.27	170.66
2	FID	ACIS-S-5	6.98	7479	-0.190	0.051	0.009	0.016	0.000000	0.000000	-1820.26	164.41
3	GUIDE	1179002024	8.03	14948	-0.153	-0.172	0.085	0.127	205.266581	-62.776003	1106.57	2106.83
4	GUIDE	1180717040	7.83	14944	0.113	0.155	0.083	0.127	208.136771	-63.356115	-2055.25	-1925.39
5	GUIDE	1180722560	8.06	14955	0.038	0.030	0.055	0.087	207.224700	-63.223164	-1212.78	-623.08
6	GUIDE	1180728632	9.39	14945	0.112	-0.029	0.131	0.240	205.841489	-63.568252	-1882.62	1840.15
7	GUIDE	1180721992	8.62	14941	-0.108	0.002	0.068	0.108	205.717702	-62.580888	1623.52	1222.99

2.4 Star Slots

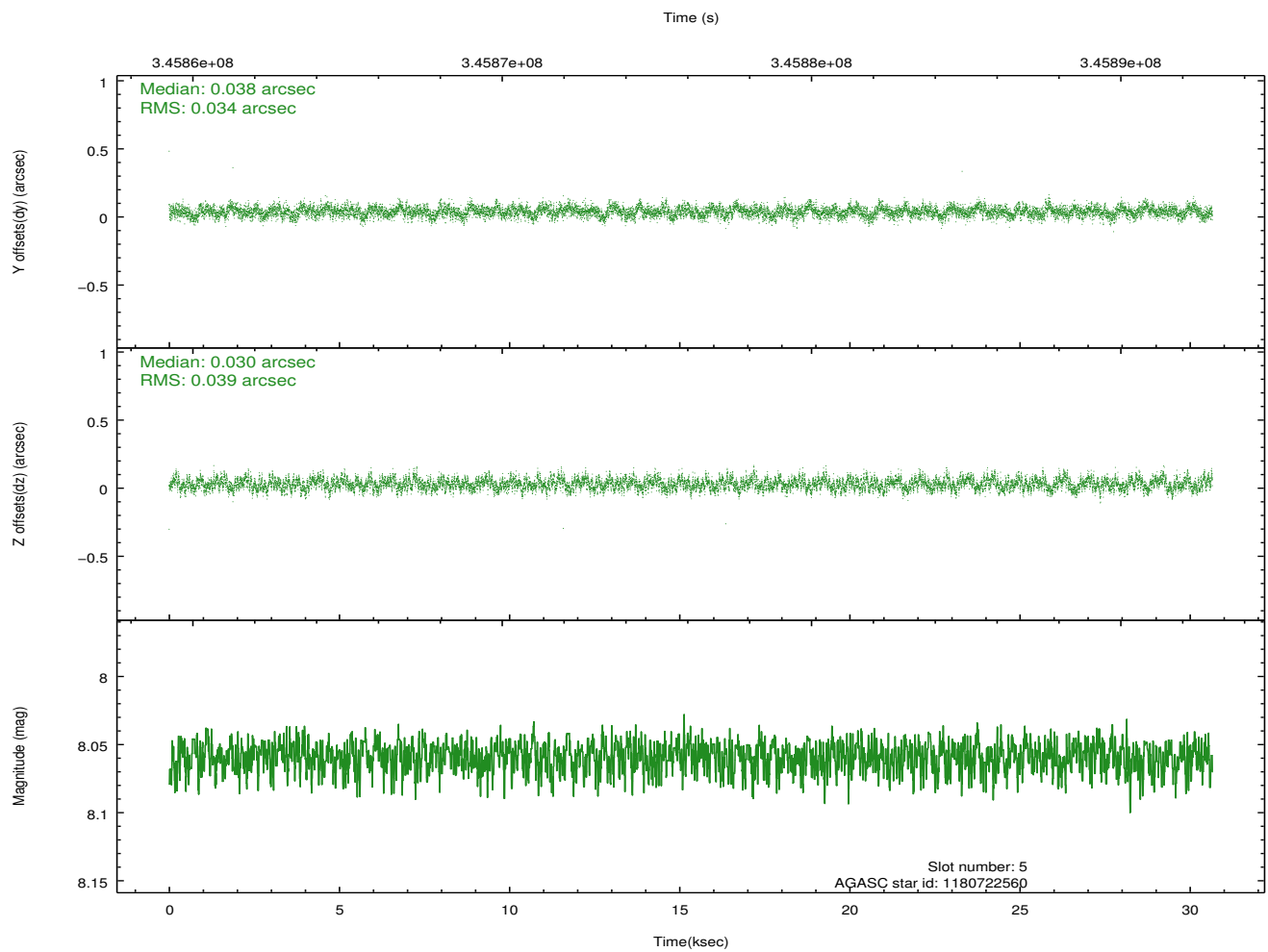
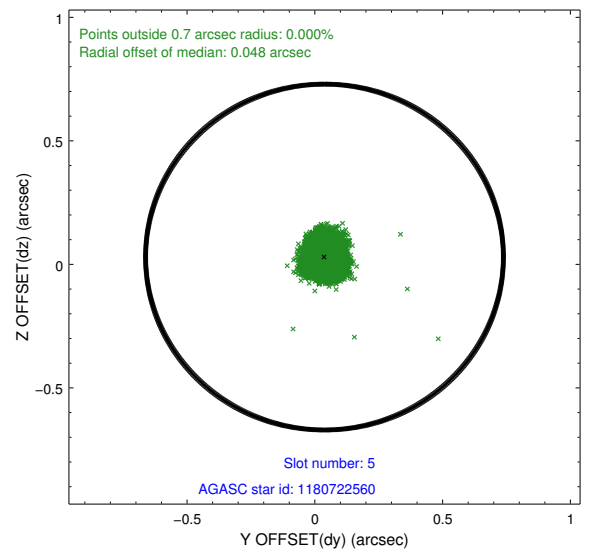
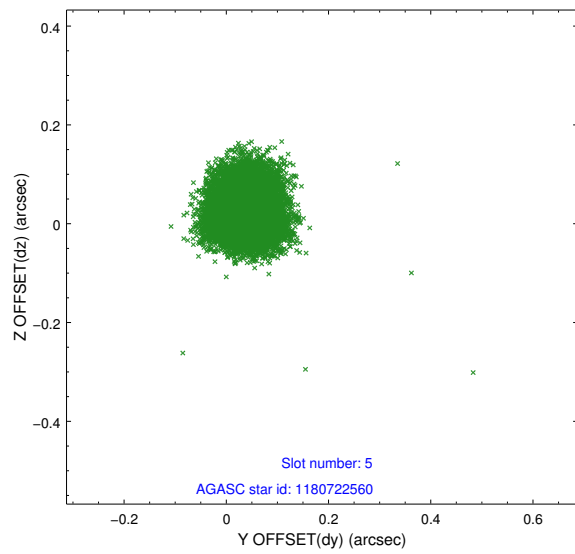
2.4.1 Slot 3



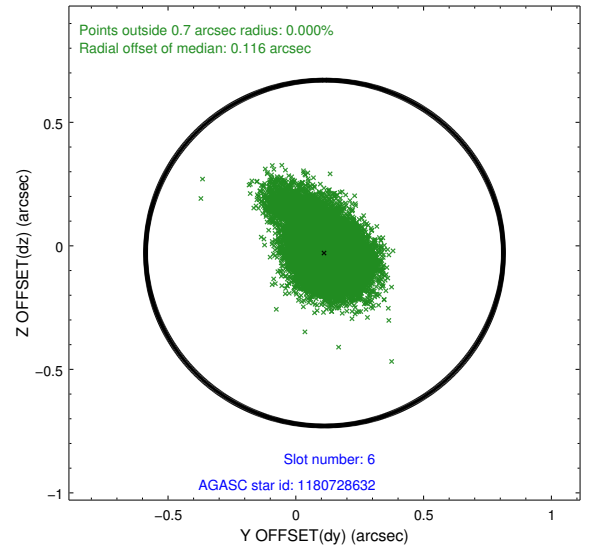
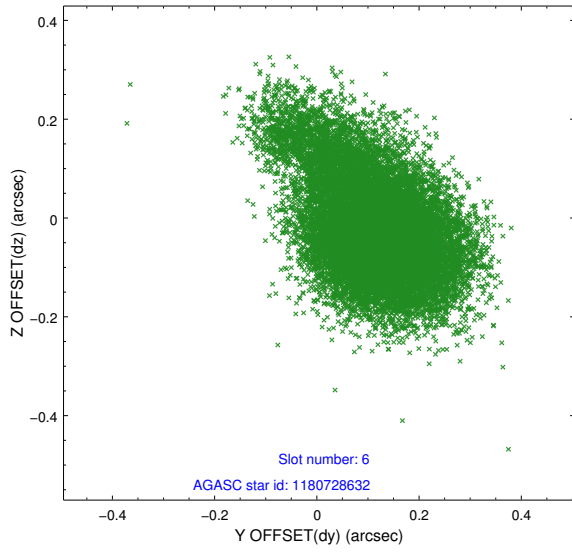
2.4.2 Slot 4



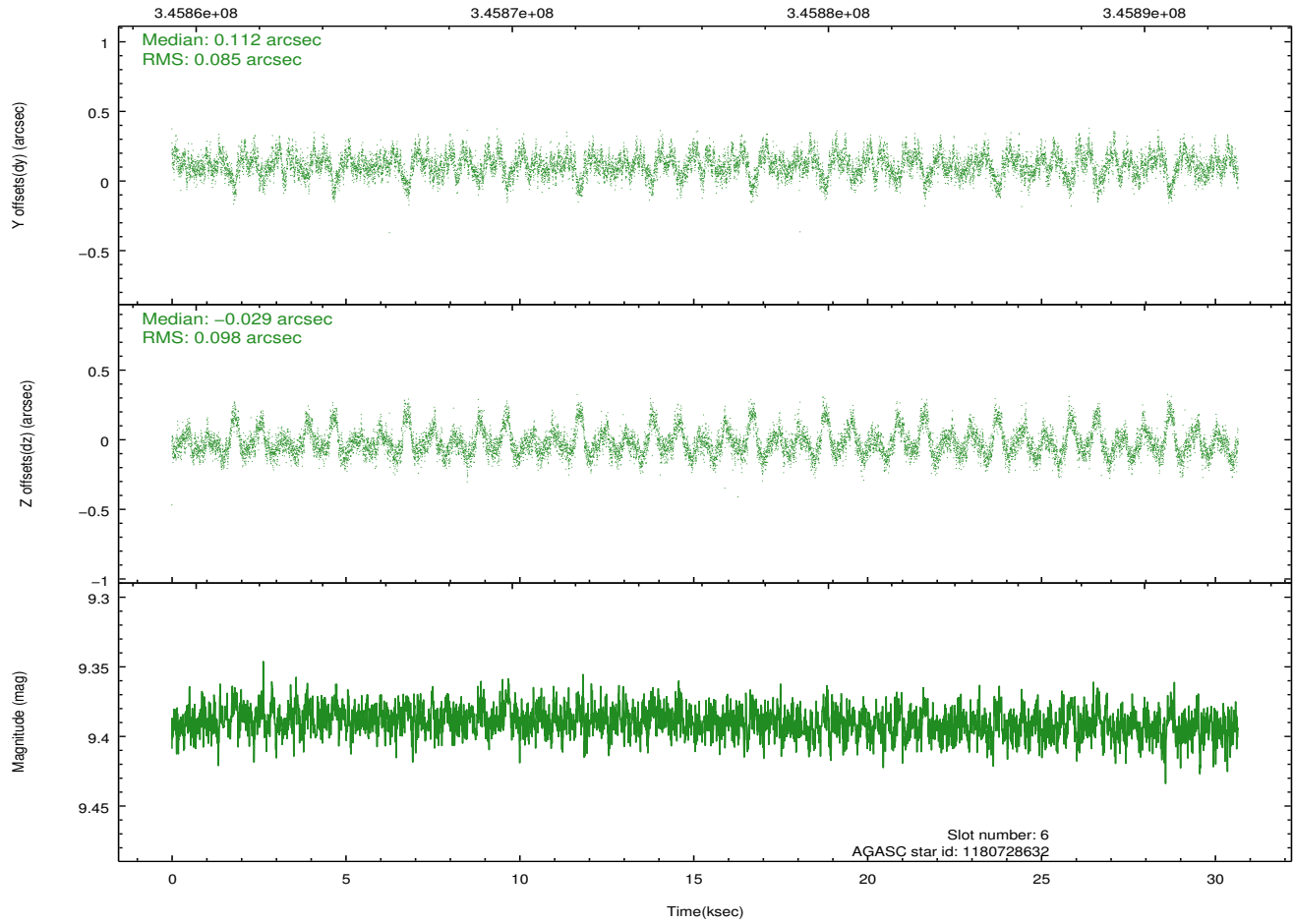
2.4.3 Slot 5



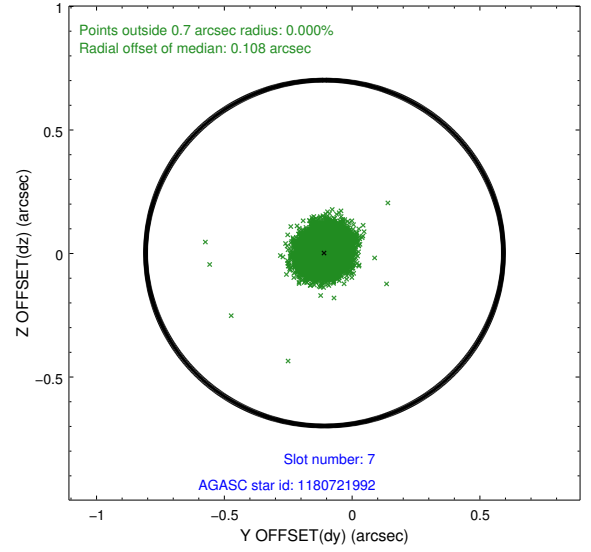
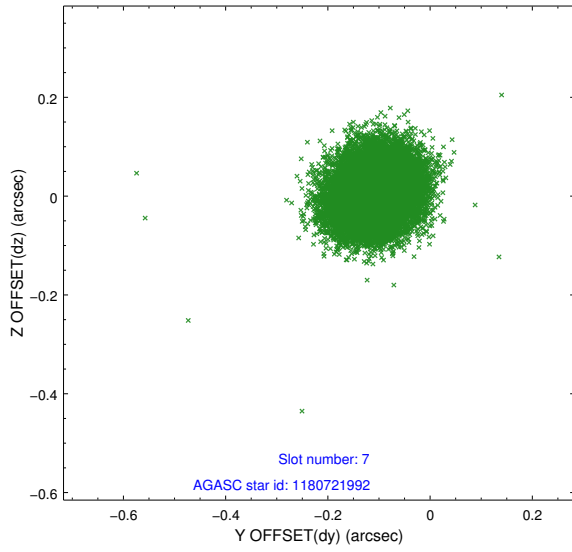
2.4.4 Slot 6



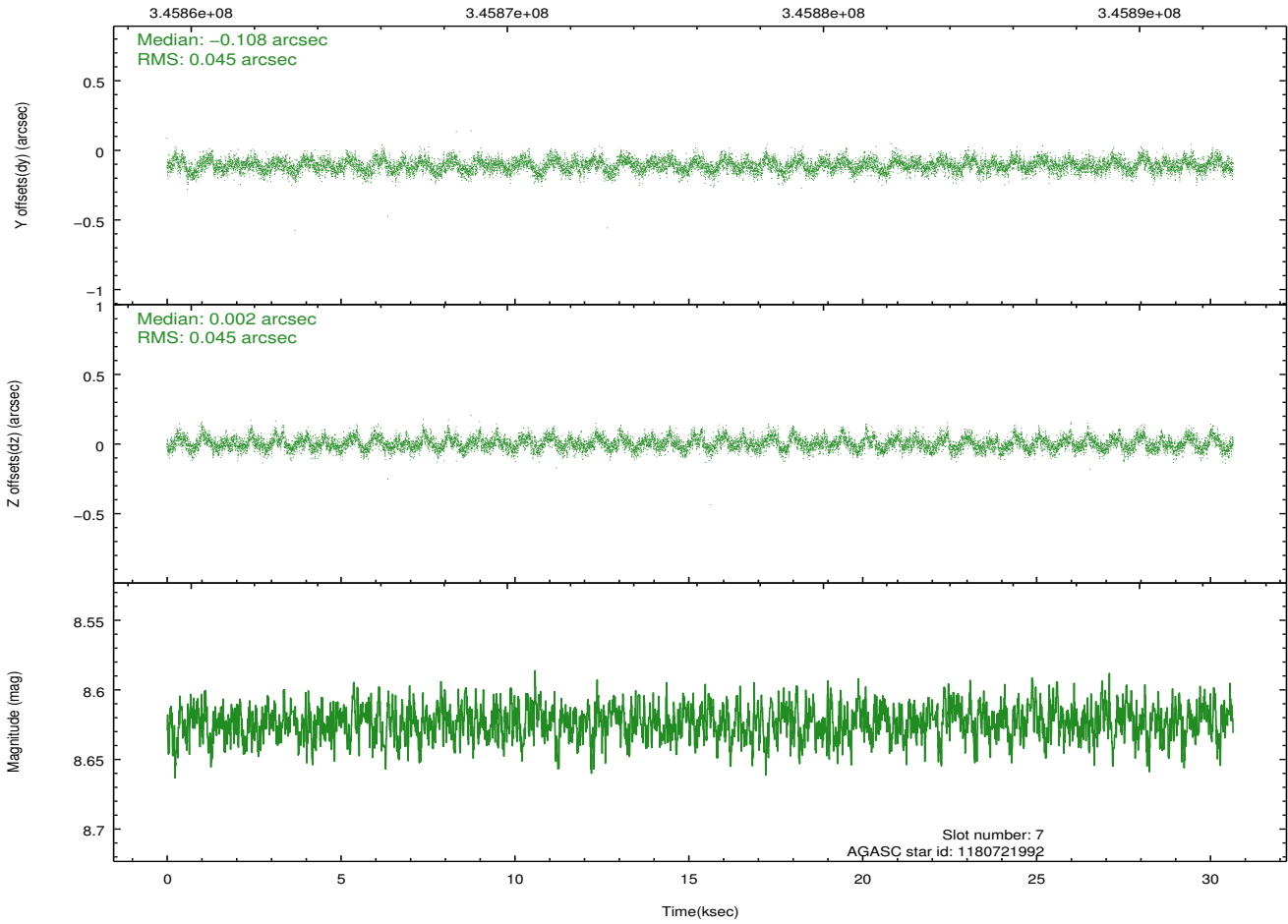
Time (s)



2.4.5 Slot 7

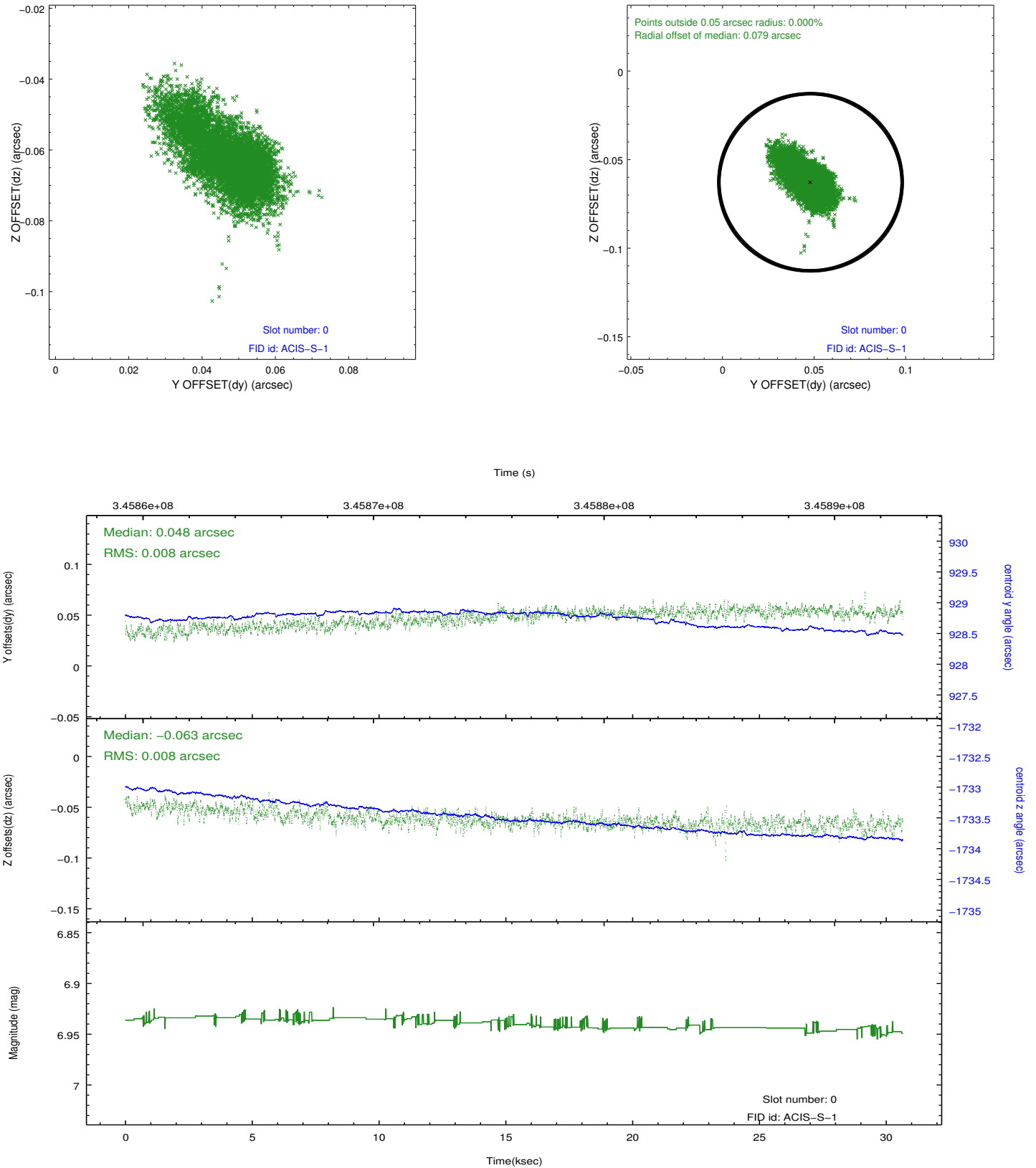


Time (s)

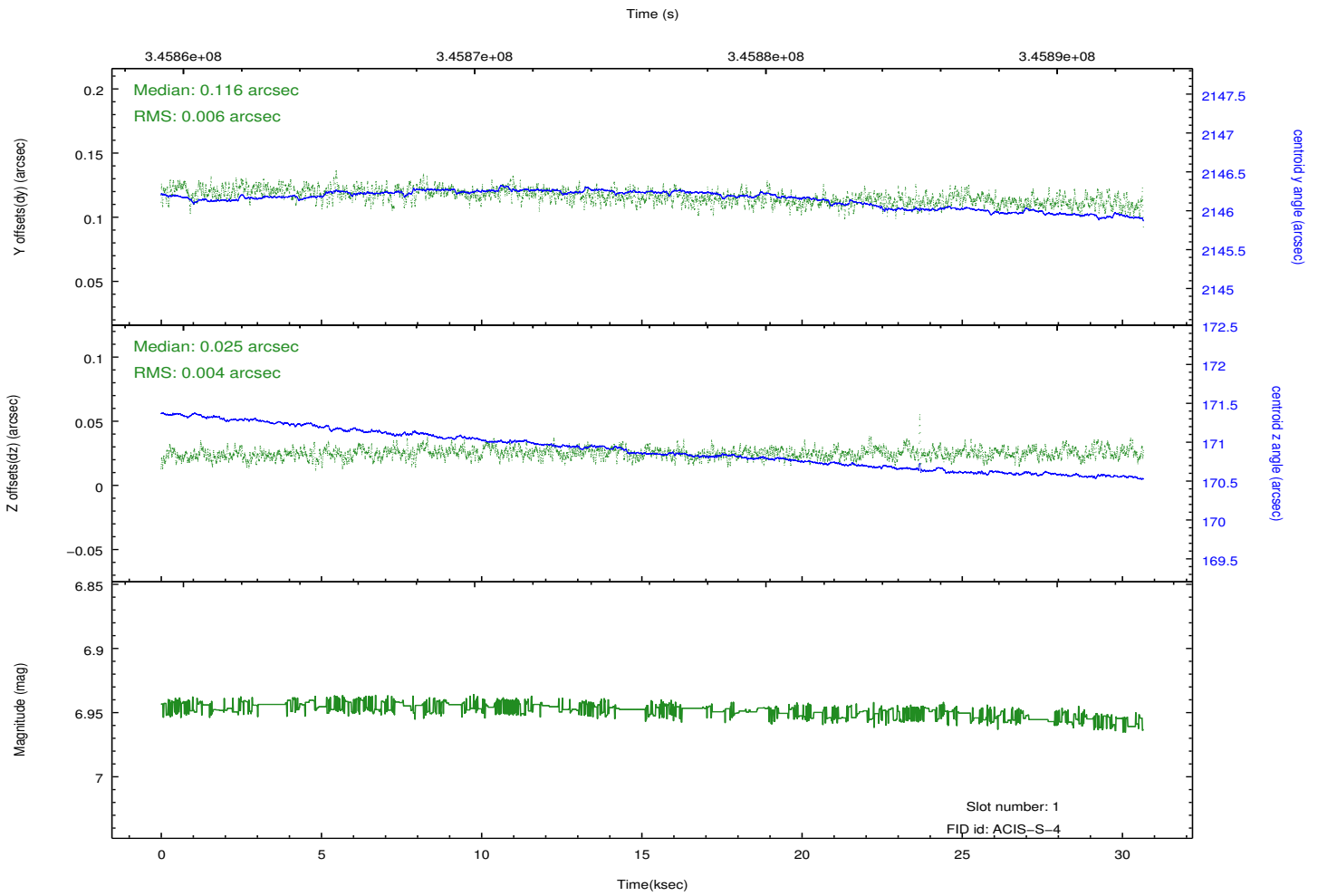
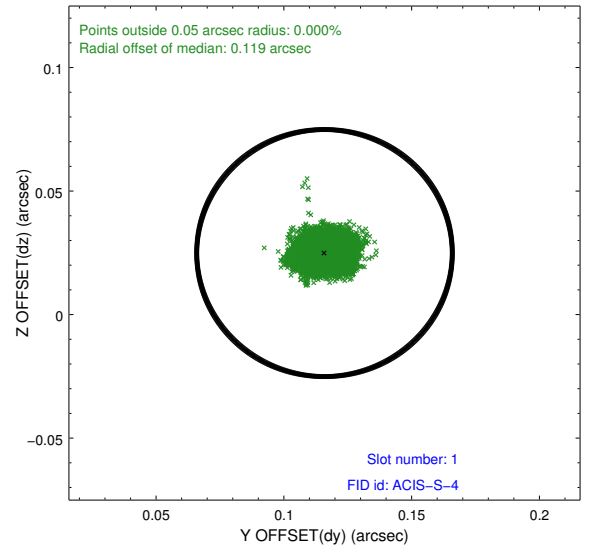
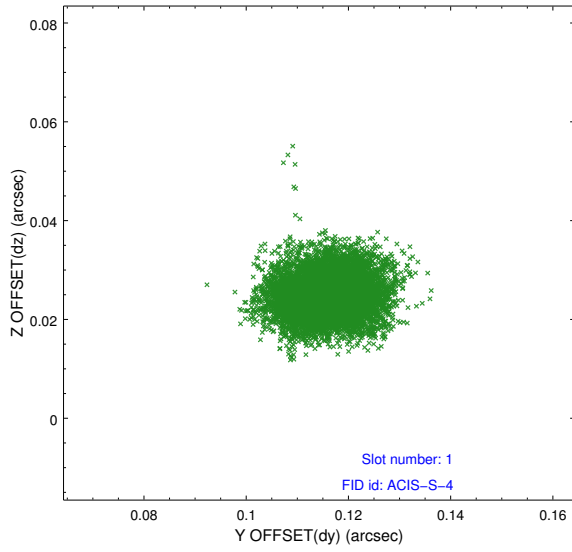


2.5 FID Slots

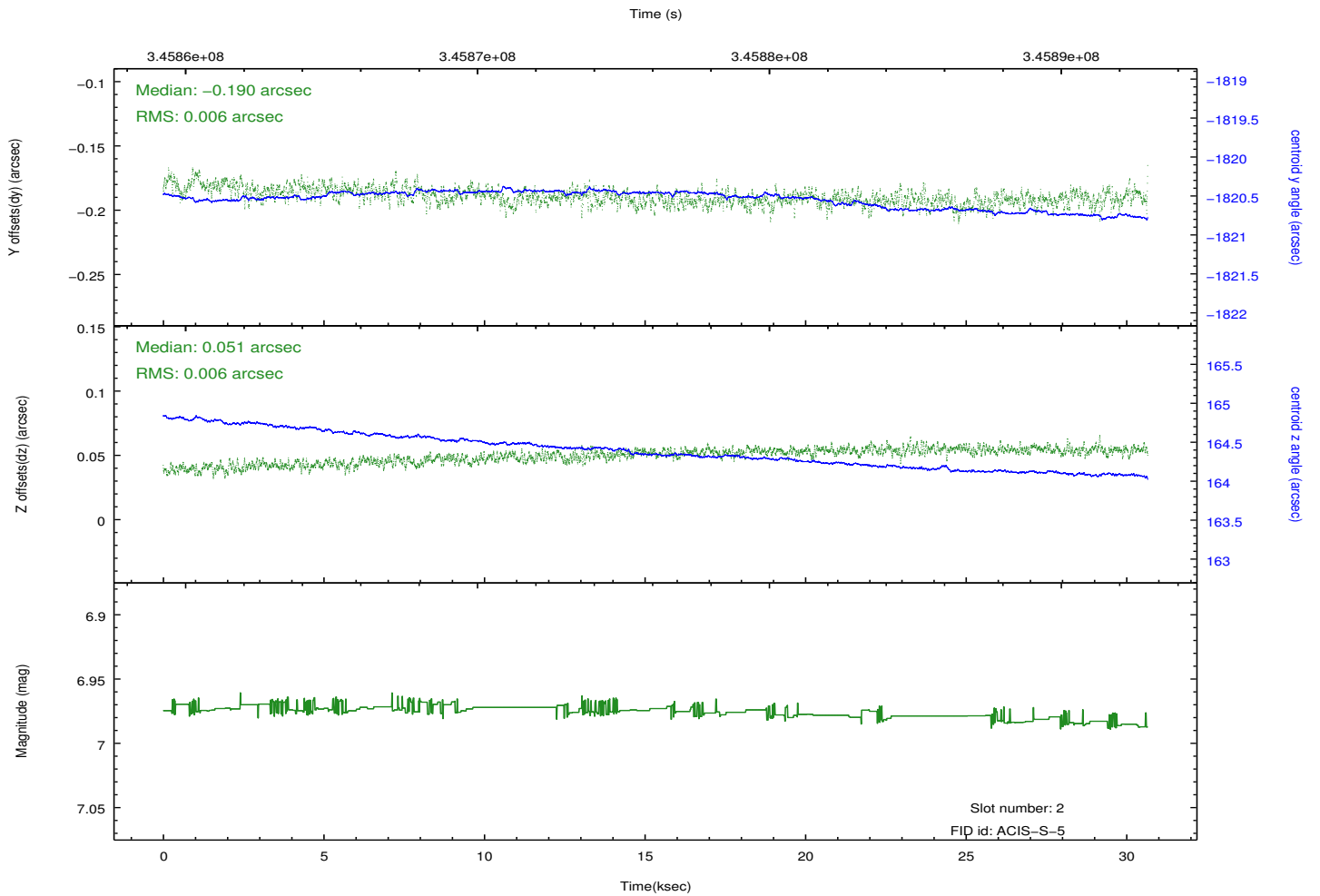
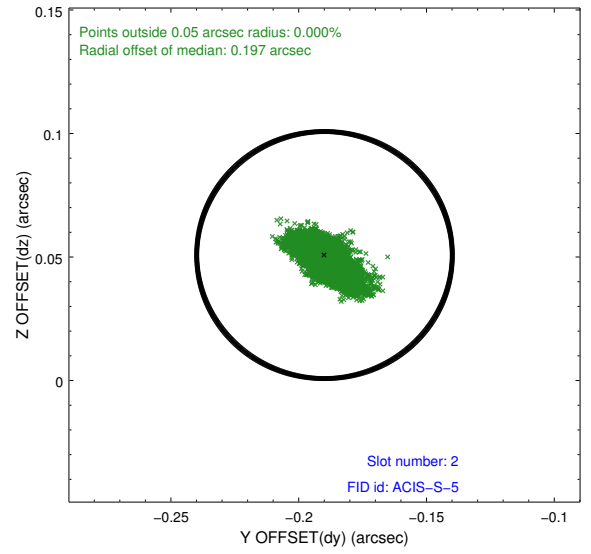
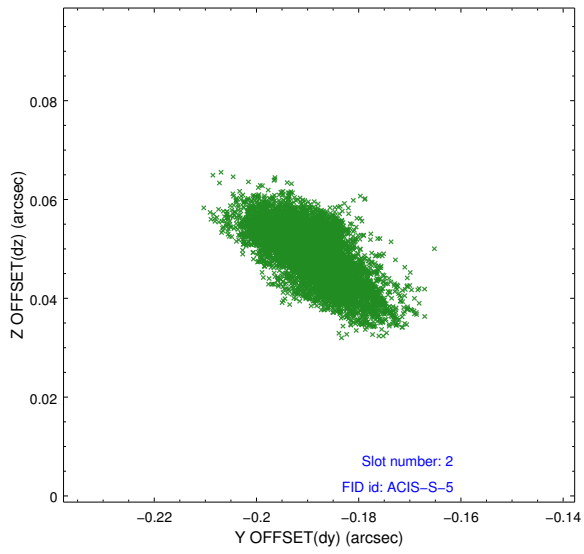
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

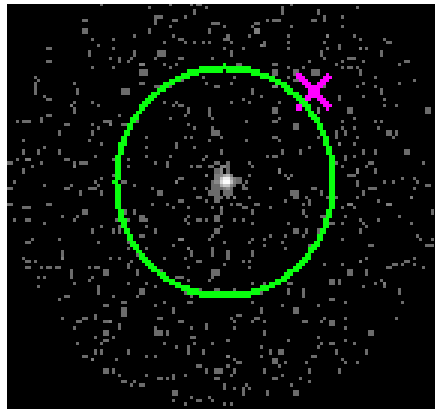


3 Gratings

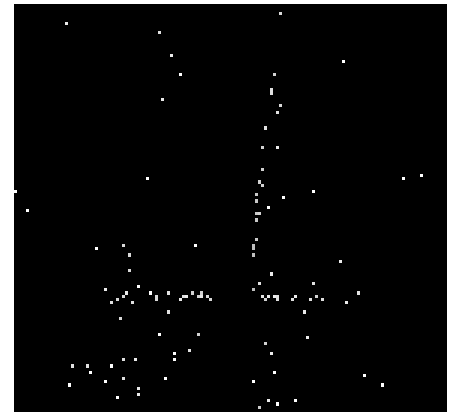
3.1 HEG Arm



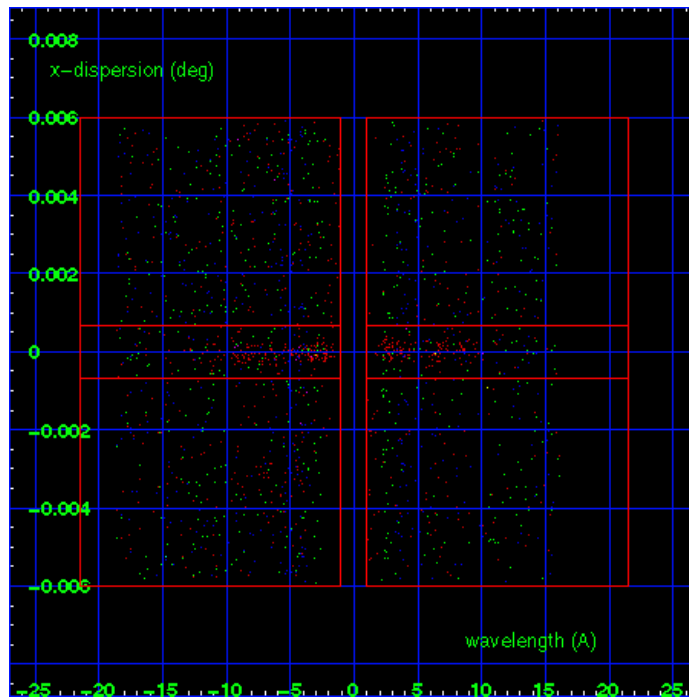
HEG Order Sort 123



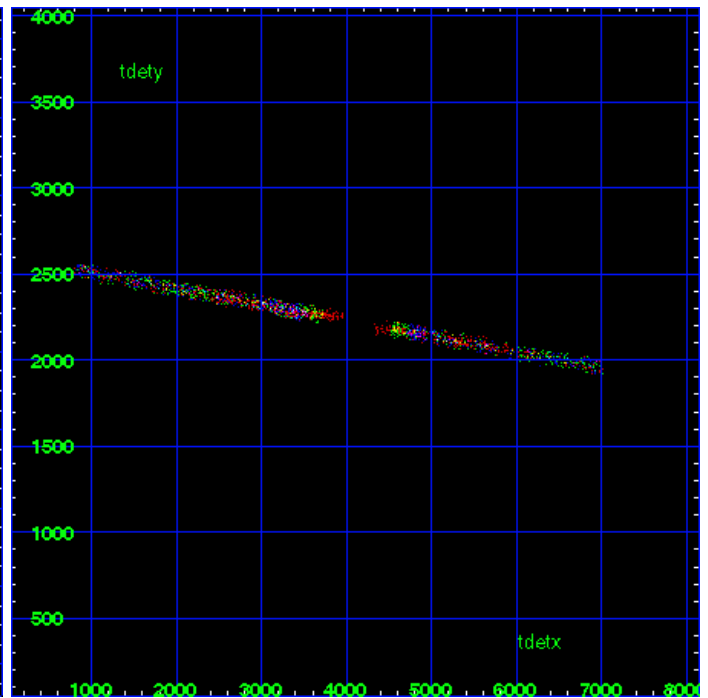
HEG Zero Order



HEG Order Sort ALL

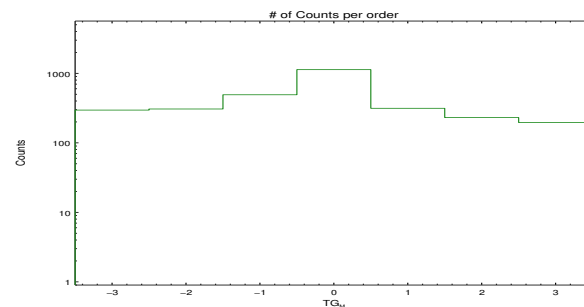


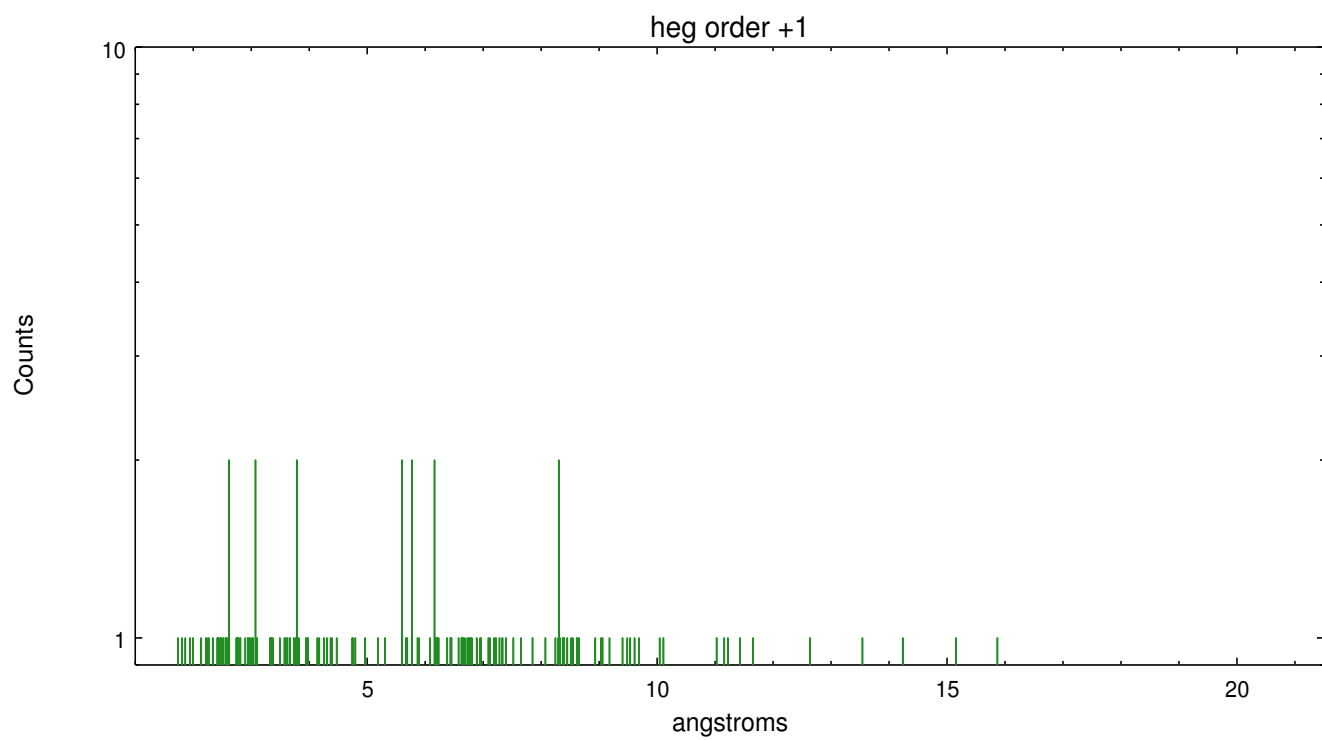
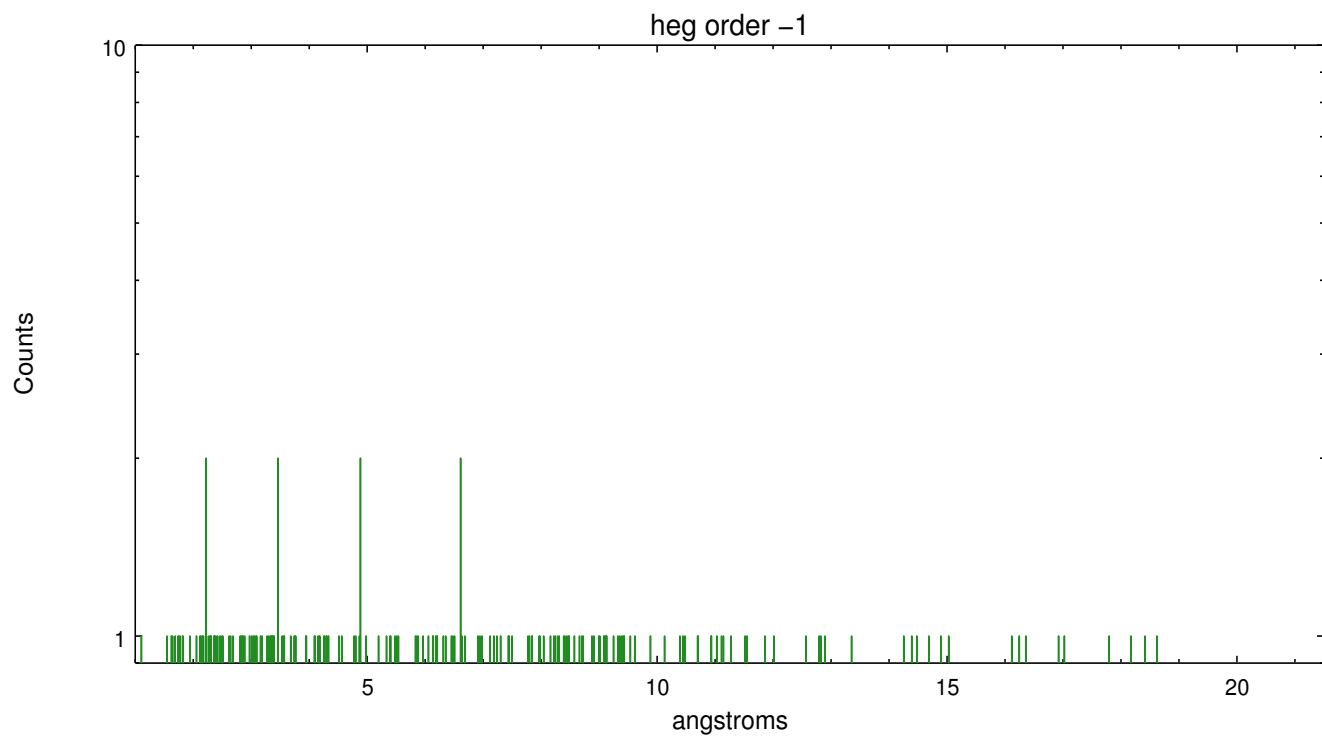
Spot Image HEG



Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	296	307	492	1131	314	231	196

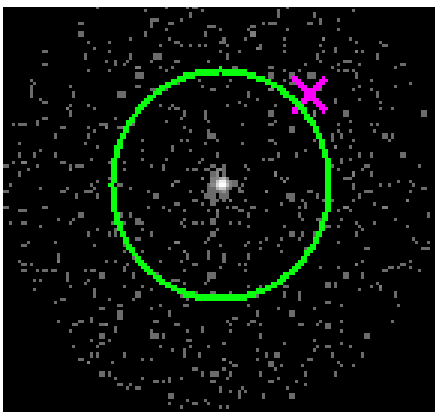




3.2 MEG Arm



MEG Order Sort 123



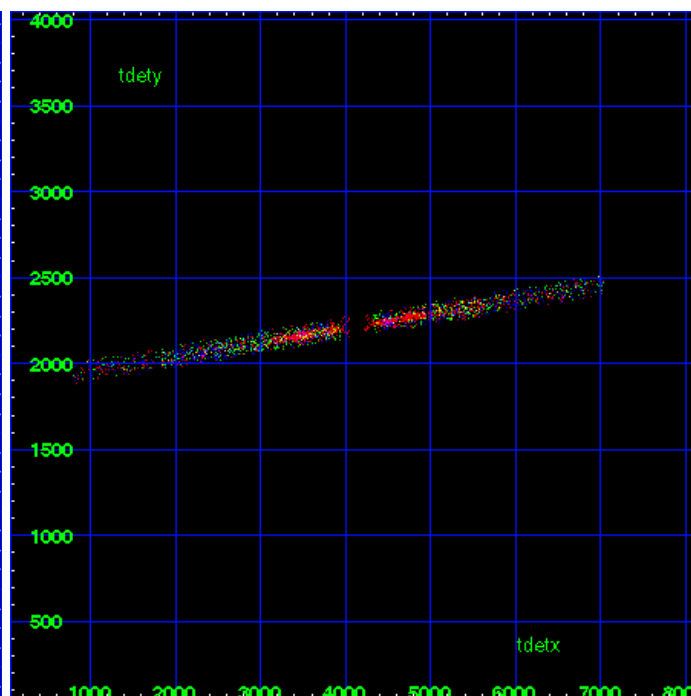
MEG Zero Order



MEG Order Sort ALL

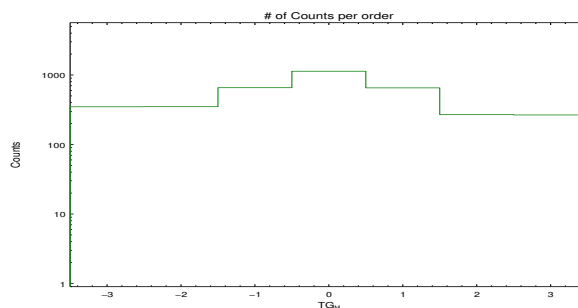


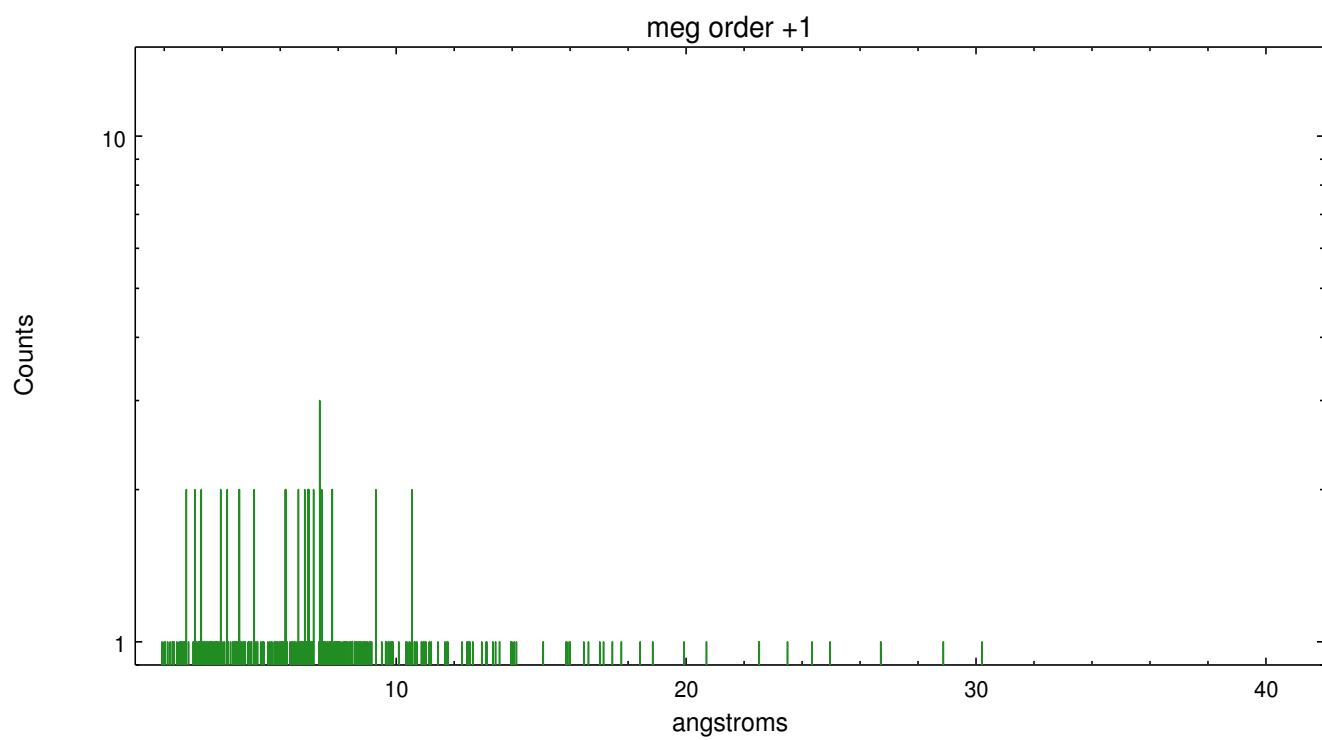
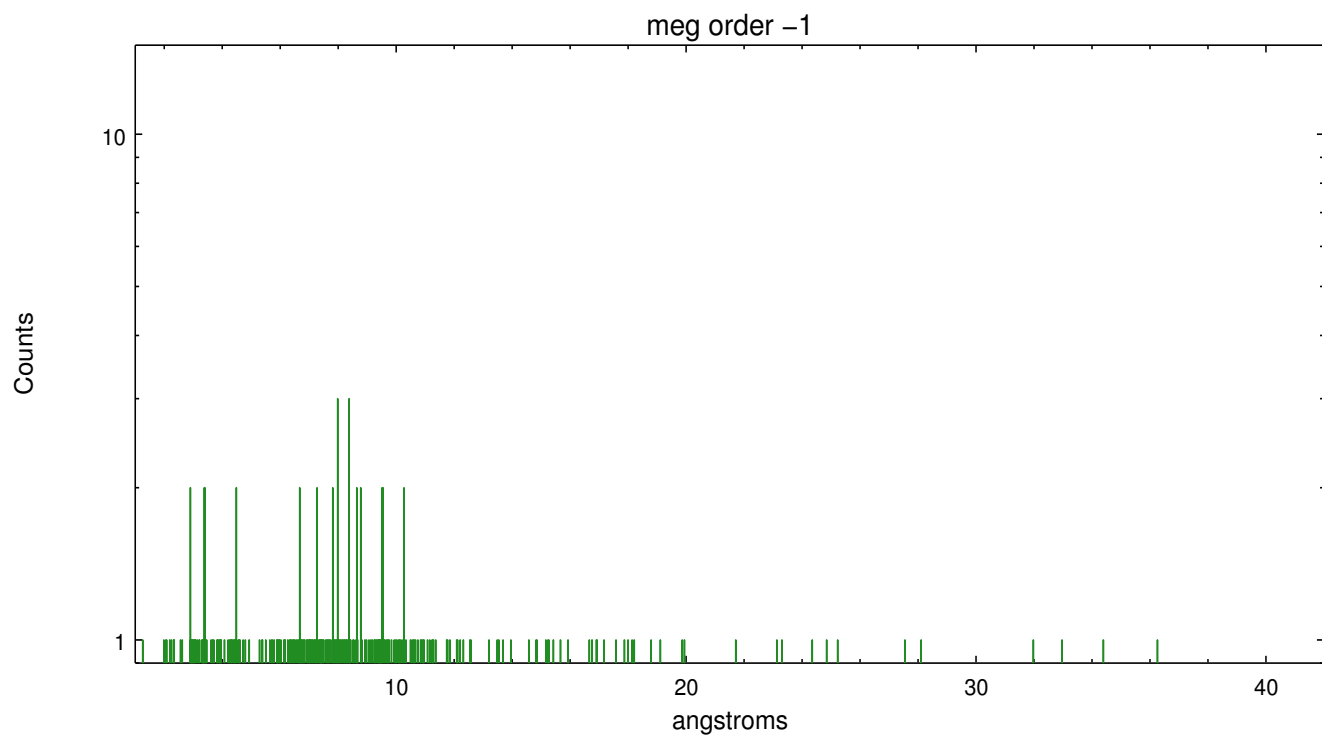
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	349	350	657	1131	653	269	266





A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.2831998

A.2 Comments