

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9966 - L2 Version 2
Chandra X-Ray Center

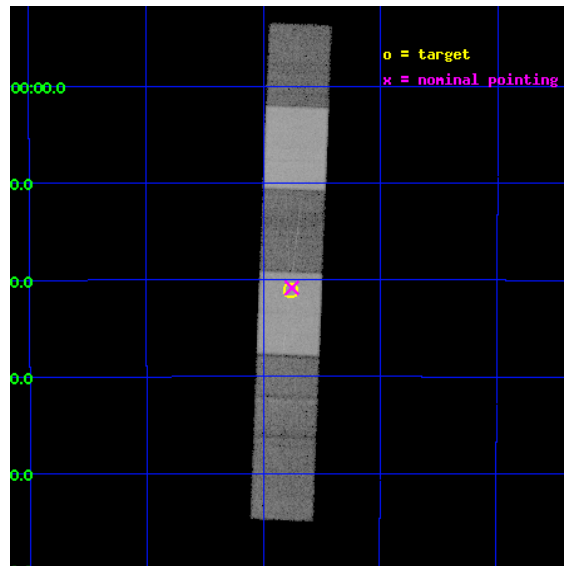
L2 Processing Date : Jun 15 2012

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1 Front

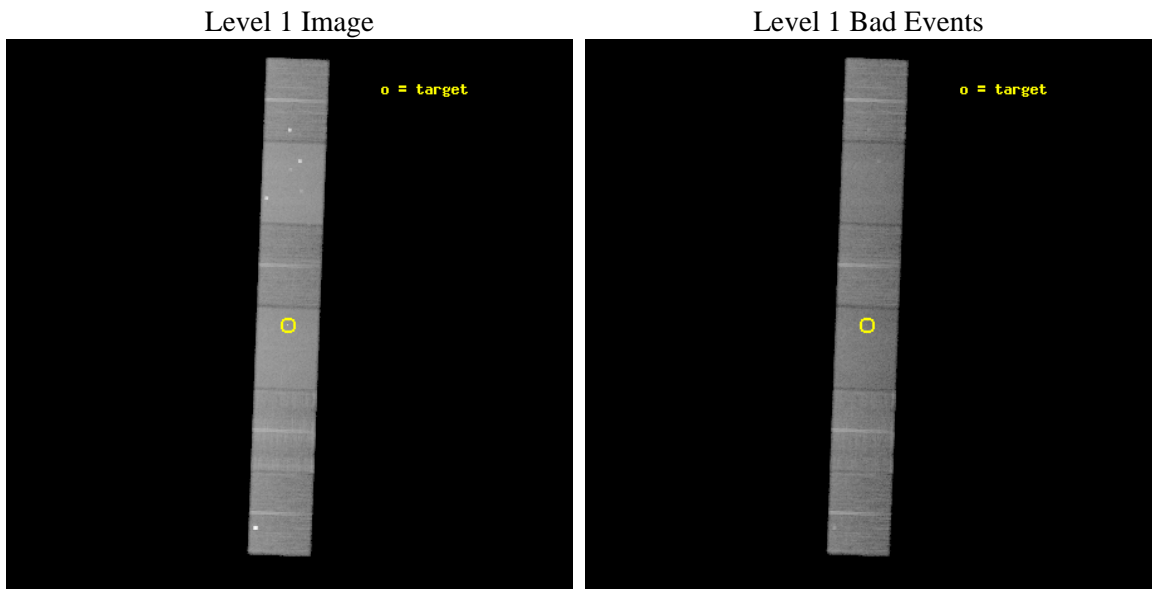
seq_num	300253	Sequence number
obs_id	9966	Observation id
title	CP Puppis, a template for the secular evolution of novae	Proposal
observer	Dr Marina Orio	Principal investigator
object	CP Puppis	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.942083	Observer's specified target RA [deg]
dec_targ	-35.351389	Observer's specified target Dec [deg]
ra_nom	122.93879162729	Nominal RA [deg]
dec_nom	-35.347351954923	Nominal Dec [deg]
roll_nom	92.154744437982	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25135.0	Sum of GTIs [s]
livetime	24729.047948871	Livetime [s]
ontime4	25135.0	Sum of GTIs [s]
ontime5	25135.0	Sum of GTIs [s]
ontime6	25135.0	Sum of GTIs [s]
ontime7	25135.0	Sum of GTIs [s]
ontime8	25135.0	Sum of GTIs [s]
ontime9	25135.0	Sum of GTIs [s]
l2events	348875	Number of level 2 events



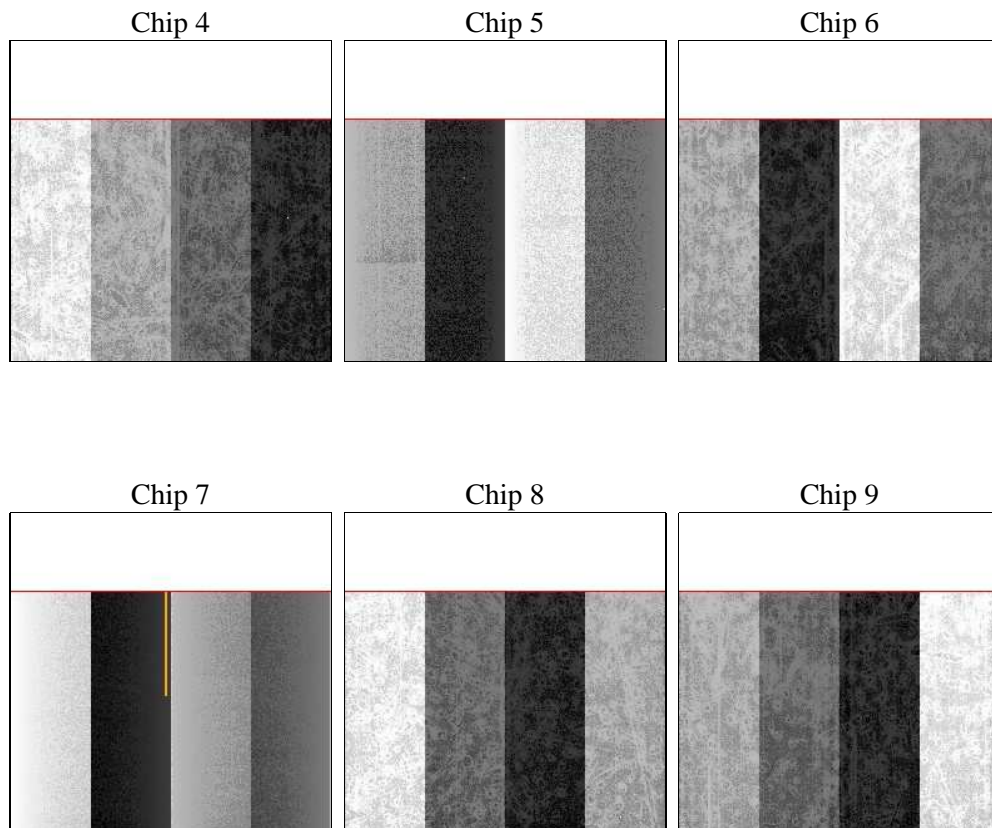
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25135.0	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	25135.0	Sum of GTIs [s]
date	2012-06-15T13:16:03	Date and time of file creation	ontime5	25135.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	25135.0	Sum of GTIs [s]
			ontime7	25135.0	Sum of GTIs [s]
			ontime8	25135.0	Sum of GTIs [s]
			ontime9	25135.0	Sum of GTIs [s]
			l1events	1518761	Number of level 1 events

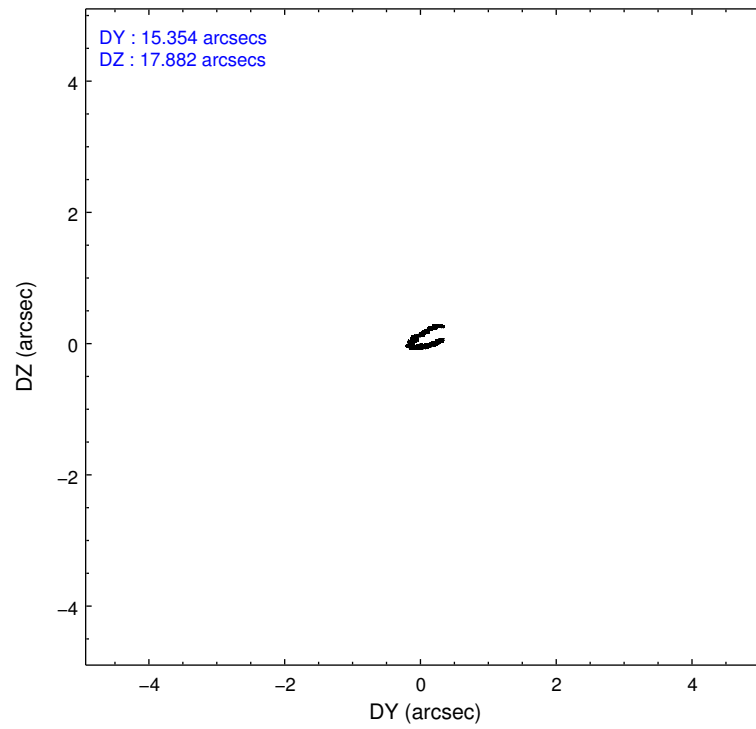
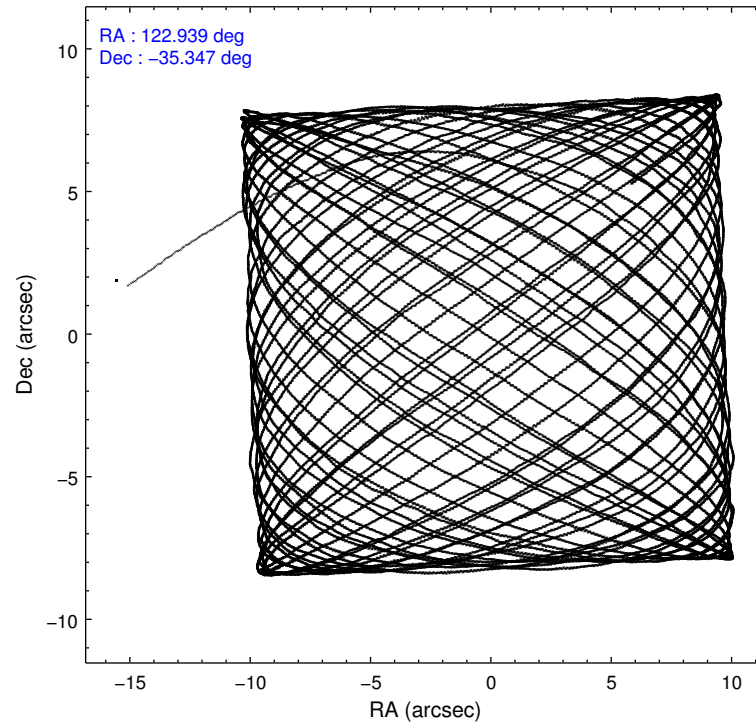
2.1.4 Events

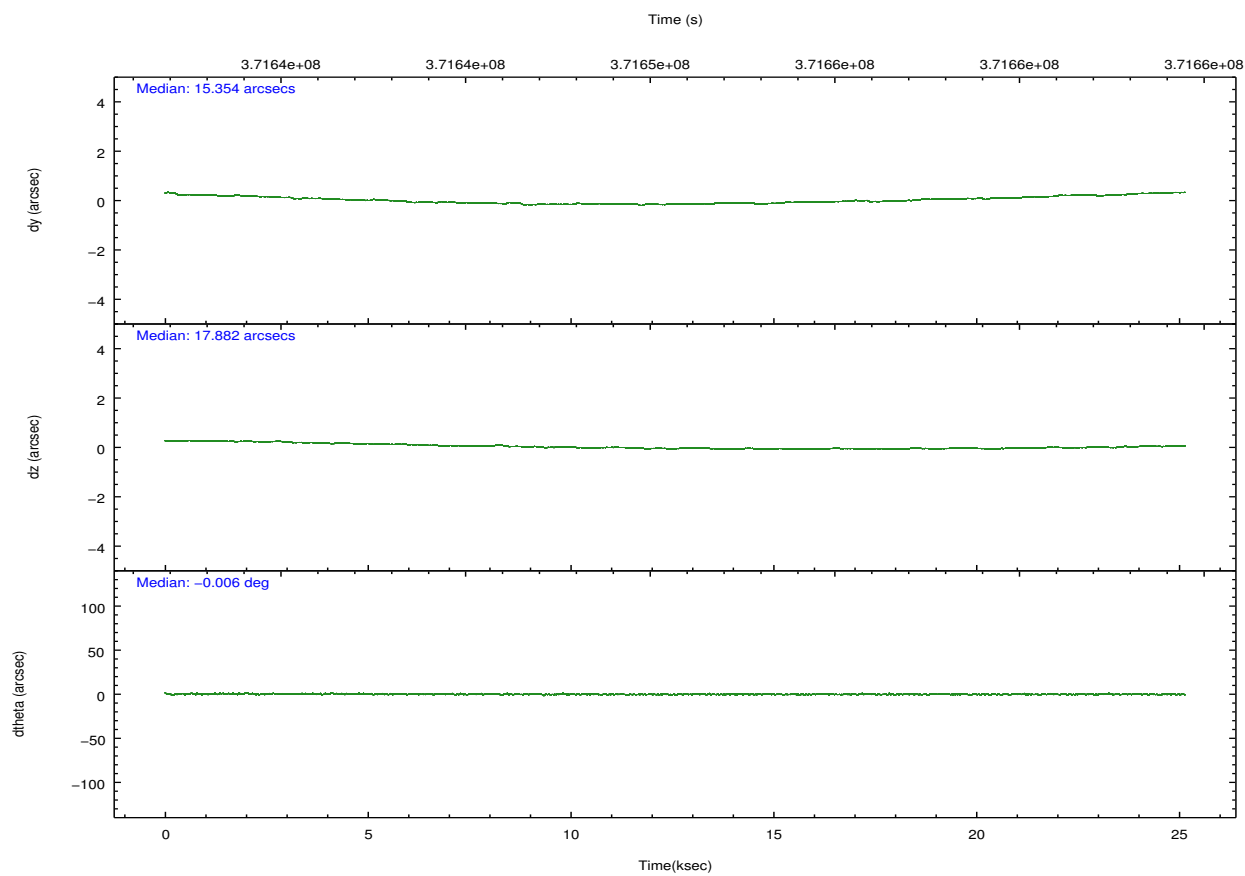
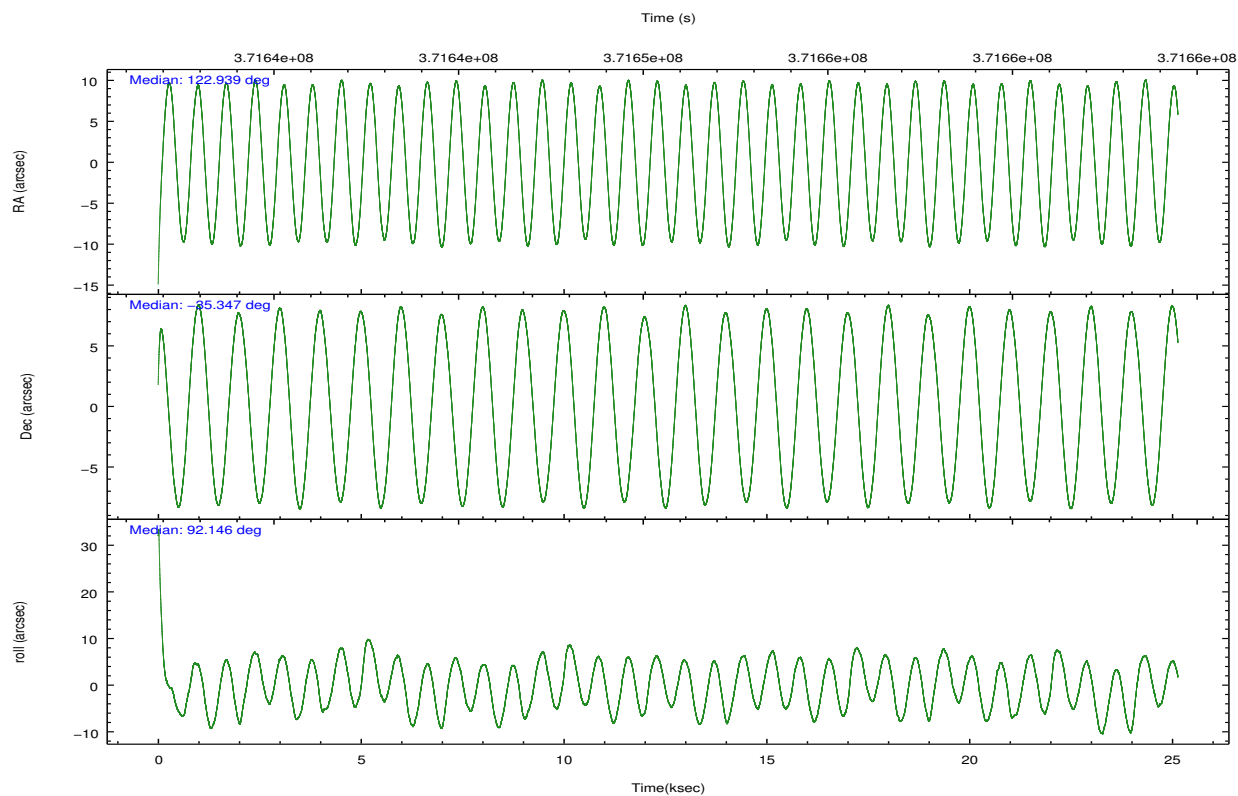
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	223212	323412	200455	282280	259995	229407	grade 0 events	16732	19591	10041	10337	18981	19822
rejected events	191053	169239	174802	162211	198186	173869		7%	6%	5%	3%	7%	8%
rejected %	85%	52%	87%	57%	76%	75%	grade 1 events	222	701	89	257	189	204
								0%	0%	0%	0%	0%	0%
							grade 2 events	5853	45635	5568	24845	14136	25624
								2%	14%	2%	8%	5%	11%
							grade 3 events	2670	6066	2503	10547	6288	2567
								1%	1%	1%	3%	2%	1%
							grade 4 events	2655	6009	2419	10346	5964	2491
								1%	1%	1%	3%	2%	1%
							grade 5 events	9371	23364	9695	25774	13034	10421
								4%	7%	4%	9%	5%	4%
							grade 6 events	4305	77131	5152	64183	16512	5123
								1%	23%	2%	22%	6%	2%
							grade 7 events	181404	144915	164988	135991	184891	163155
								81%	44%	82%	48%	71%	71%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	122.957010	122.9387916272887	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	-35.370308	-35.34735195492303	Subarray start row	1	1
[deg] Pointing Roll	92.008640	92.15474443798163	Subarray row count	774	774
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	2.5
[mm] SIM translation stage pos	-187.132523	-187.1228876879999			
[mm] SIM translation stage offset	-3	-3.009634895007935			
[s] Observation start time (MET)	371638244.184000	371637018.15595			
Observation start date	2009-10-11T08:49:38	2009-10-11T08:30:18			
[s] Observation end time (MET)	371663244.184000	371664023.83231			
Observation end date	2009-10-11T15:46:18	2009-10-11T16:00:23			
Read mode	TIMED	TIMED			

2.3 Aspect



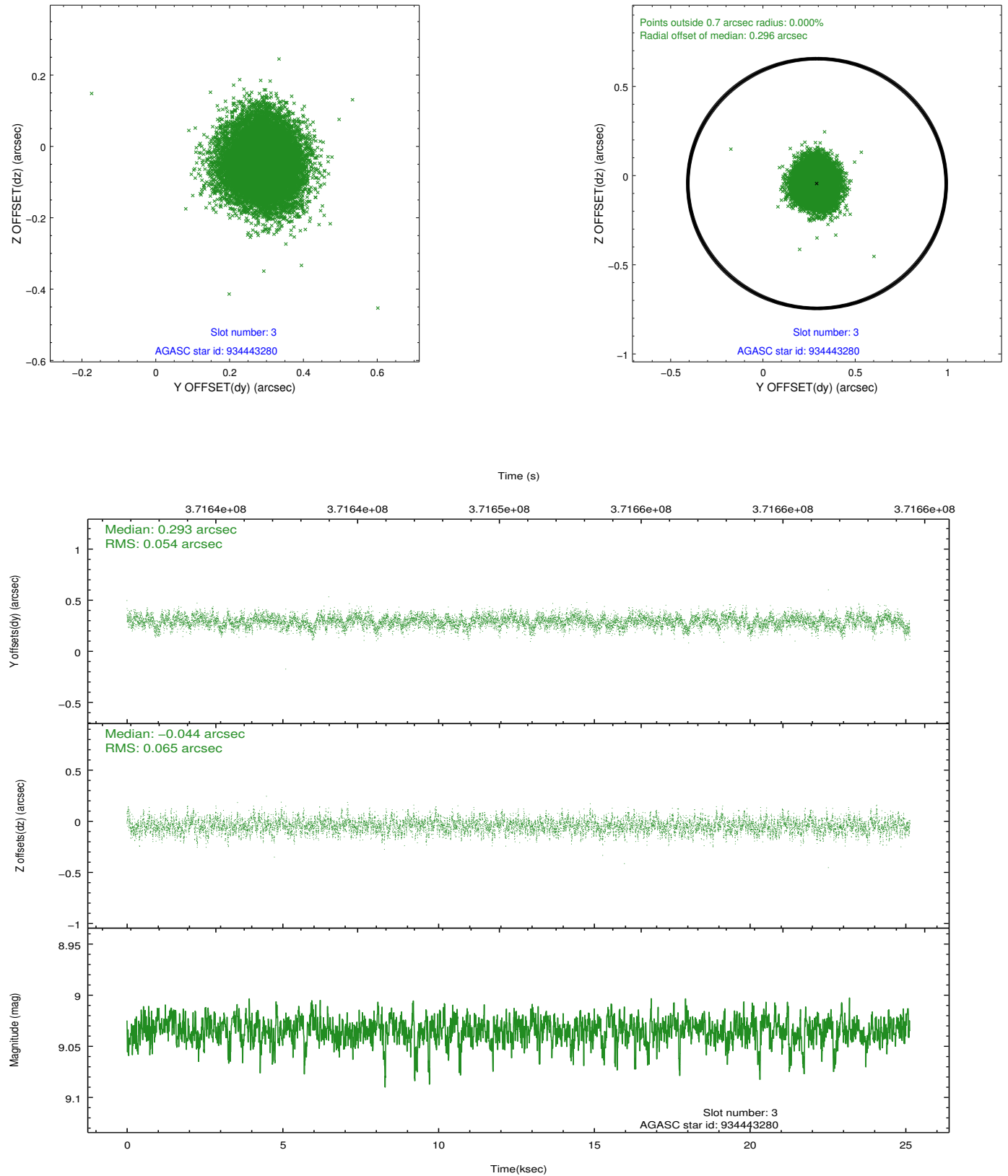


Slot Statistics

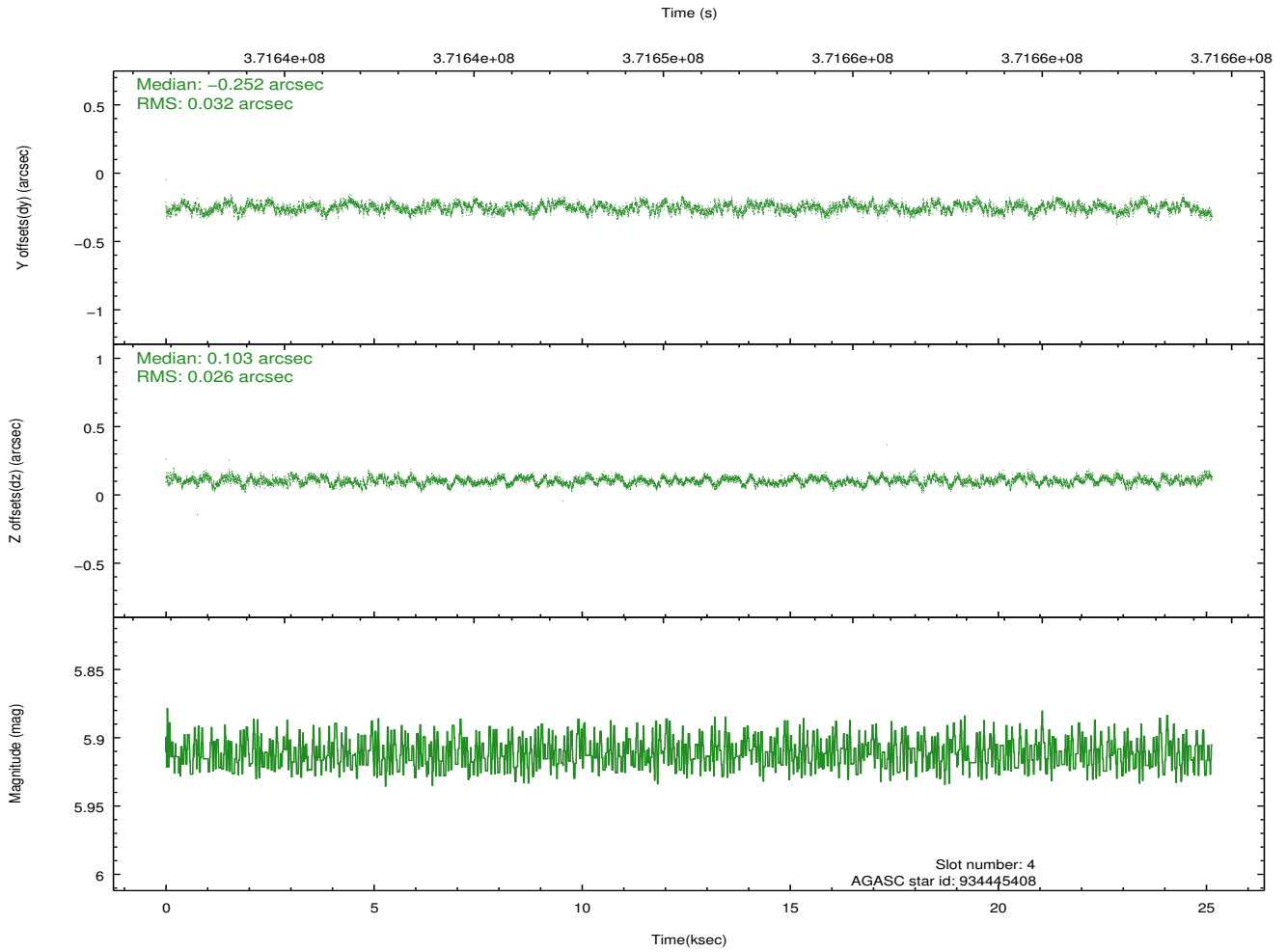
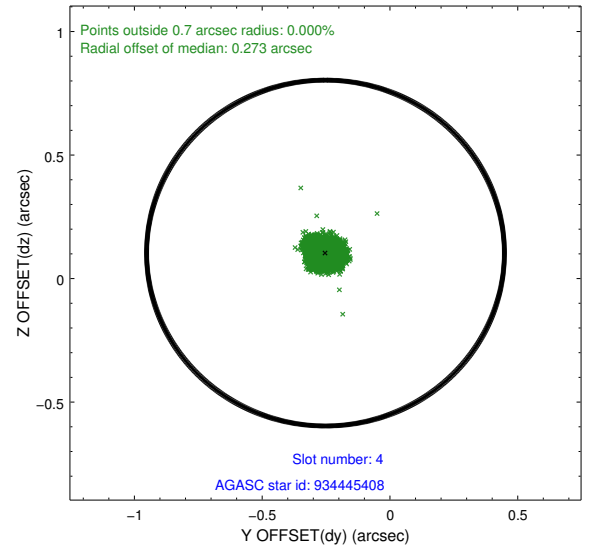
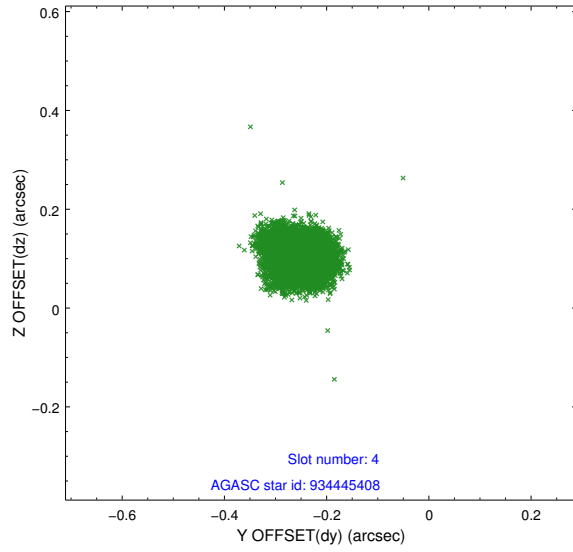
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.94	6132	0.024	-0.004	0.008	0.015	0.000000	0.000000	927.93	-1797.14
1	FID	ACIS-S-5	6.99	6132	-0.127	0.003	0.007	0.012	0.000000	0.000000	-1821.17	100.26
2	FID	ACIS-S-6	7.11	6131	0.082	0.012	0.009	0.015	0.000000	0.000000	393.39	744.38
3	GUIDE	934443280	9.03	12258	0.293	-0.044	0.090	0.146	123.348771	-35.369207	-37.89	-1149.11
4	GUIDE	934445408	5.91	12264	-0.252	0.103	0.044	0.069	123.155863	-35.146509	784.08	-612.90
5	GUIDE	934448384	9.35	12164	0.099	0.138	0.104	0.167	123.060299	-35.434250	-240.47	-294.46
6	GUIDE	934449128	9.14	12252	0.046	-0.126	0.100	0.165	122.610732	-35.593771	-770.18	1041.26
7	GUIDE	934449184	6.94	12261	-0.185	-0.069	0.066	0.112	123.461425	-35.208271	527.36	-1502.82

2.4 Star Slots

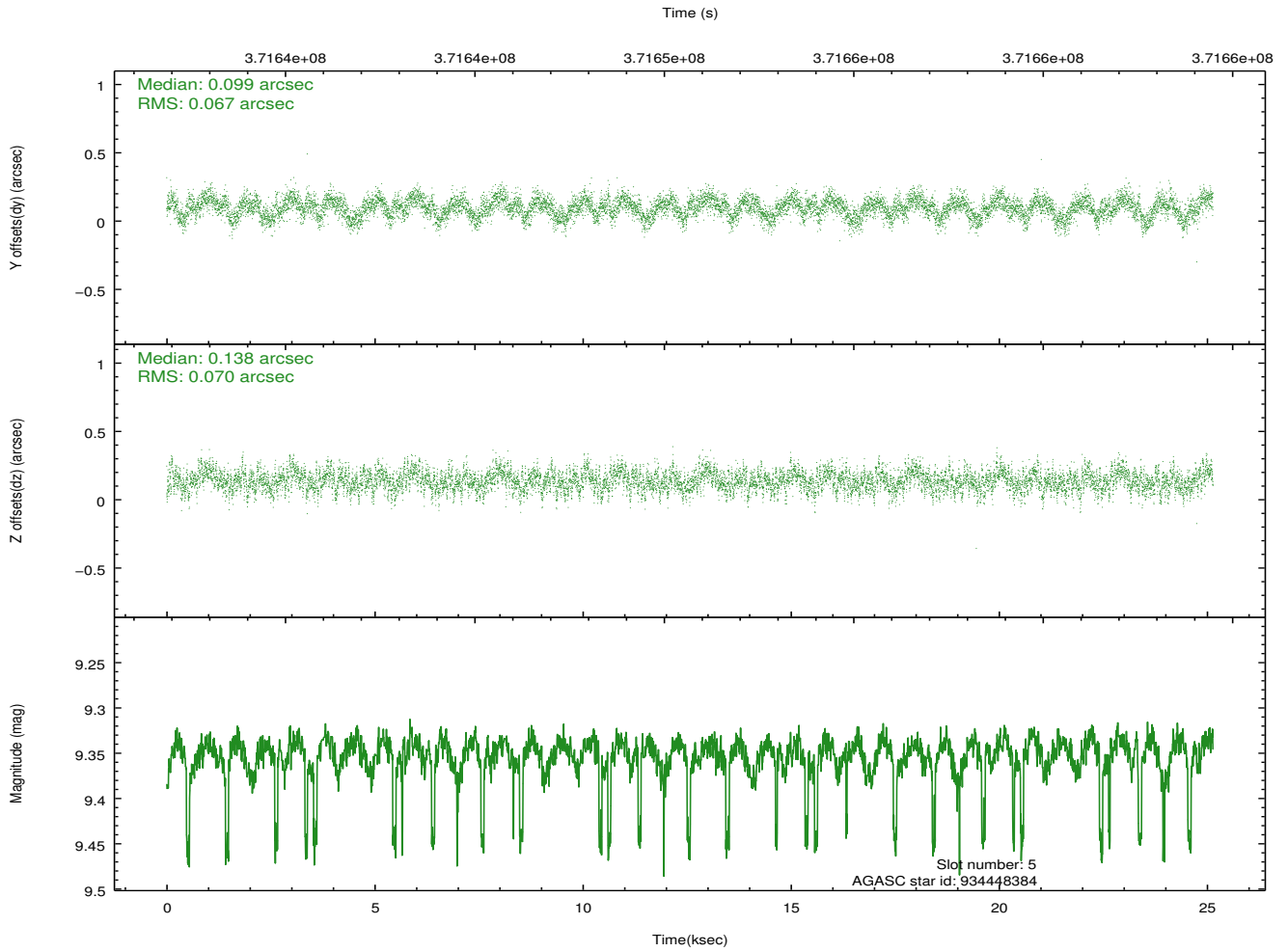
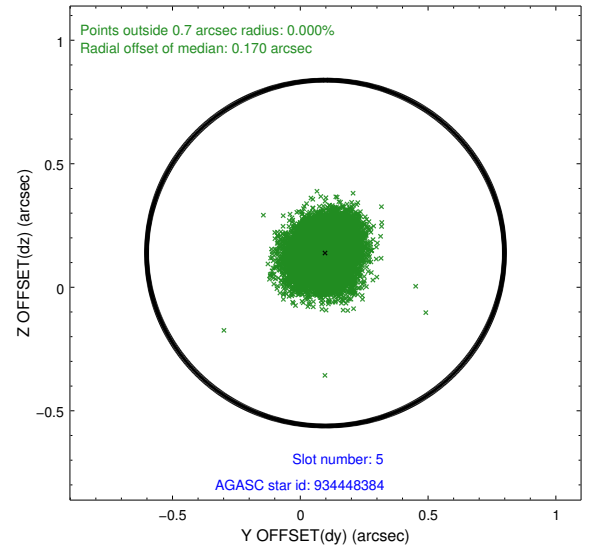
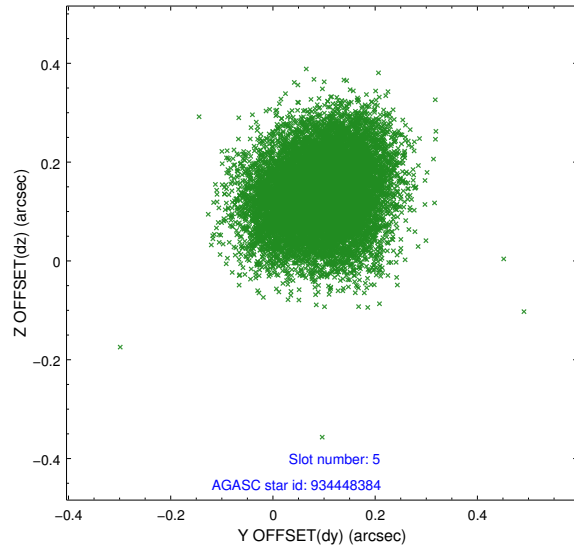
2.4.1 Slot 3



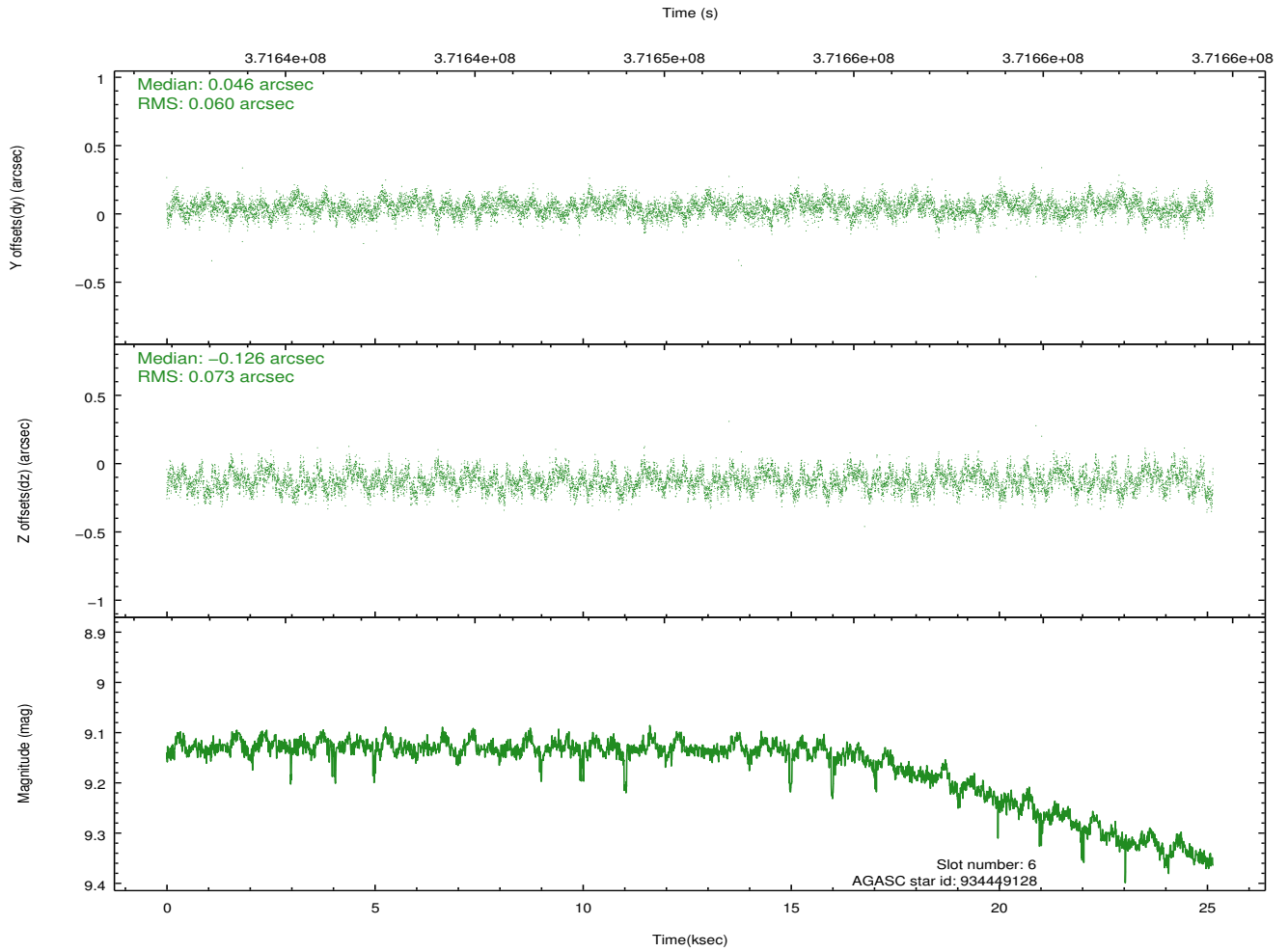
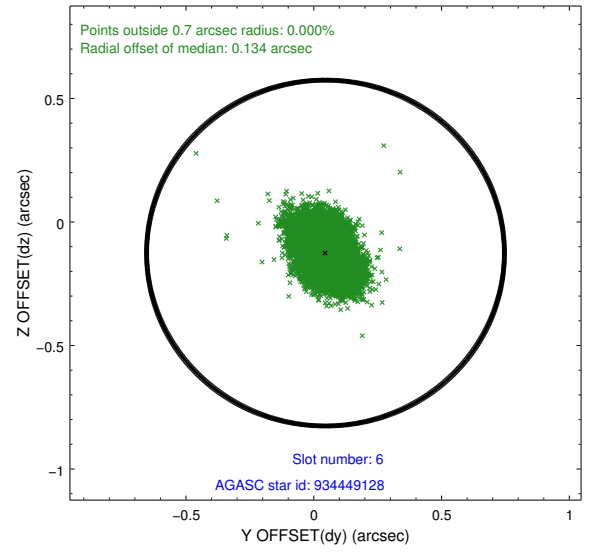
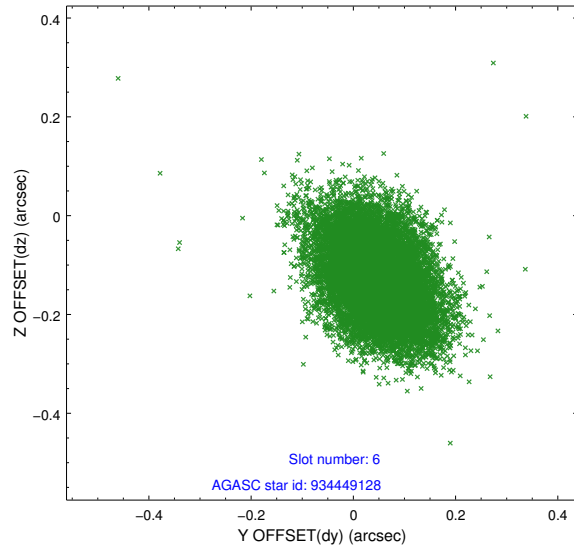
2.4.2 Slot 4



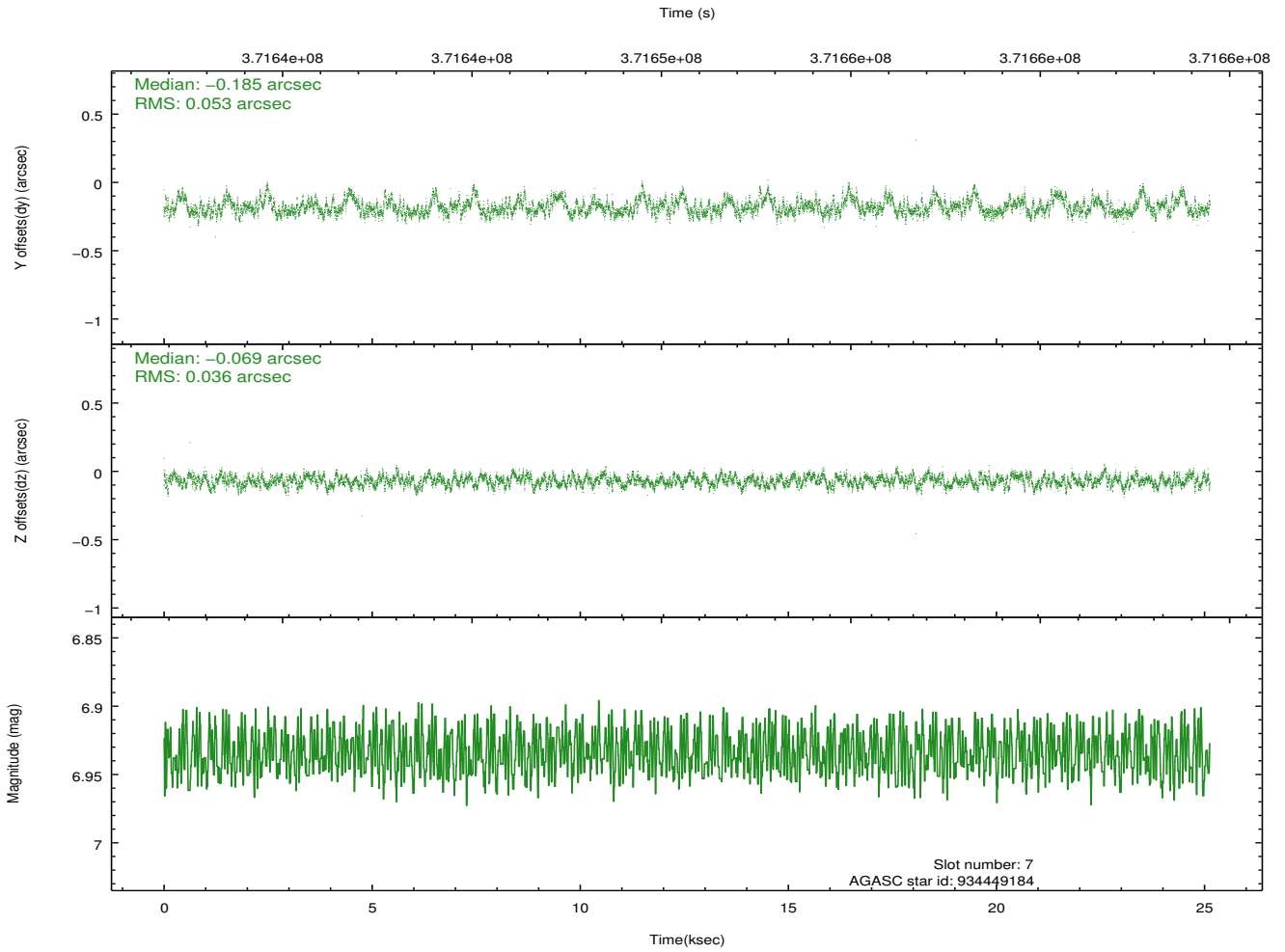
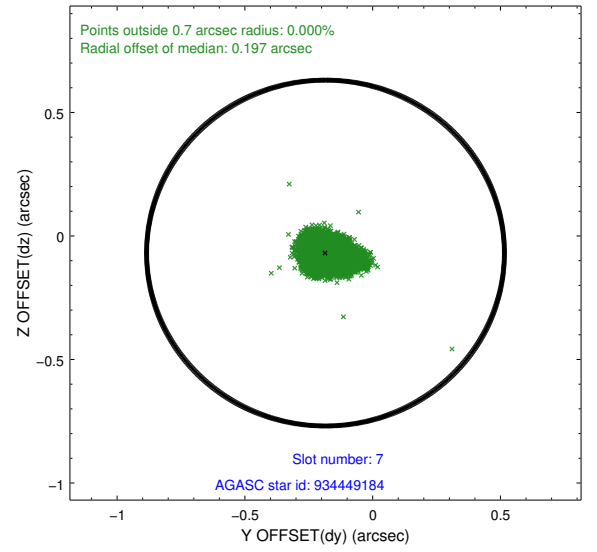
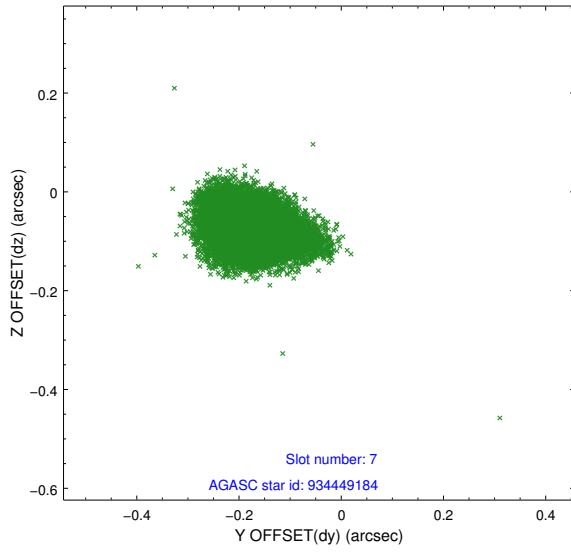
2.4.3 Slot 5



2.4.4 Slot 6

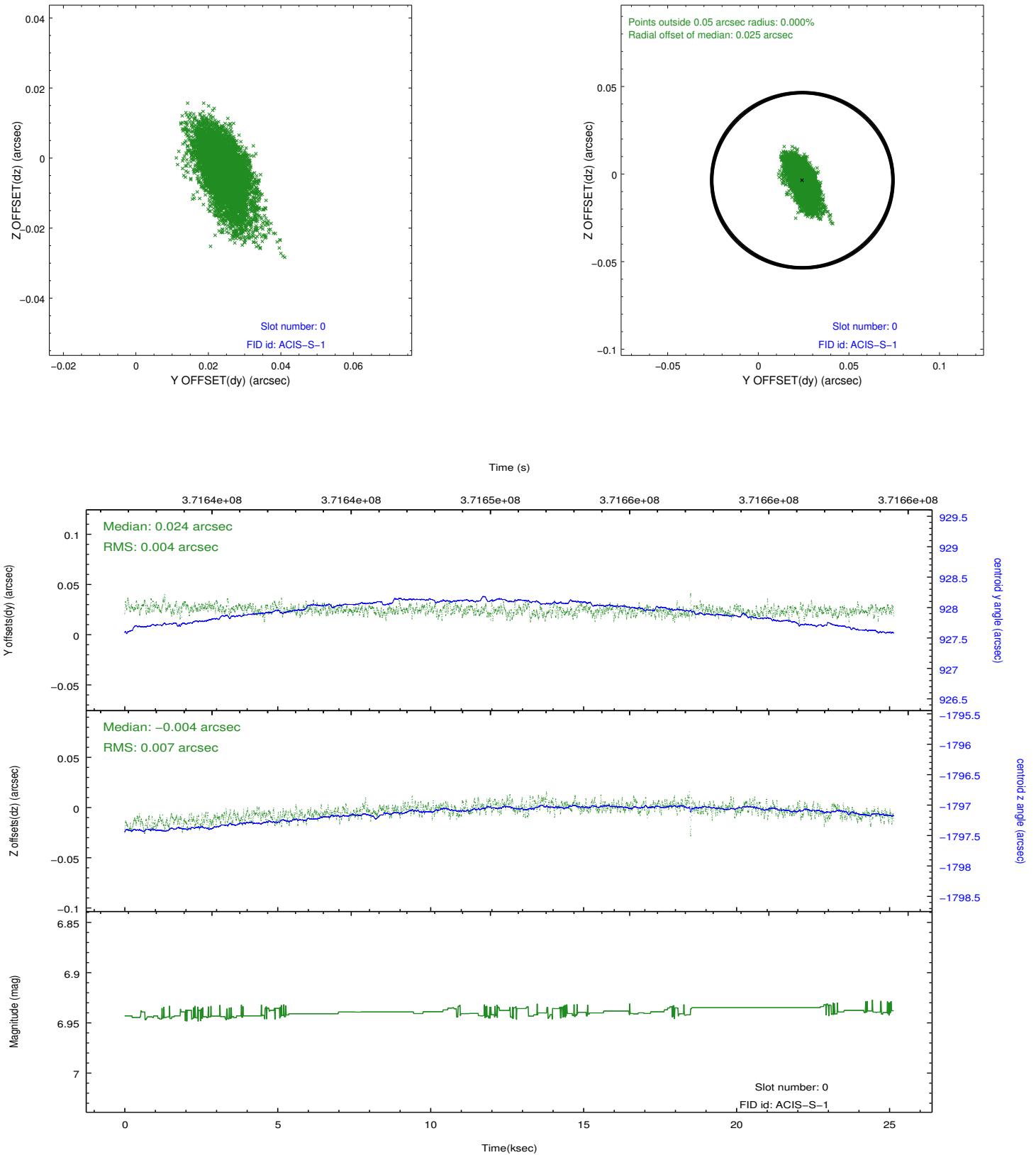


2.4.5 Slot 7

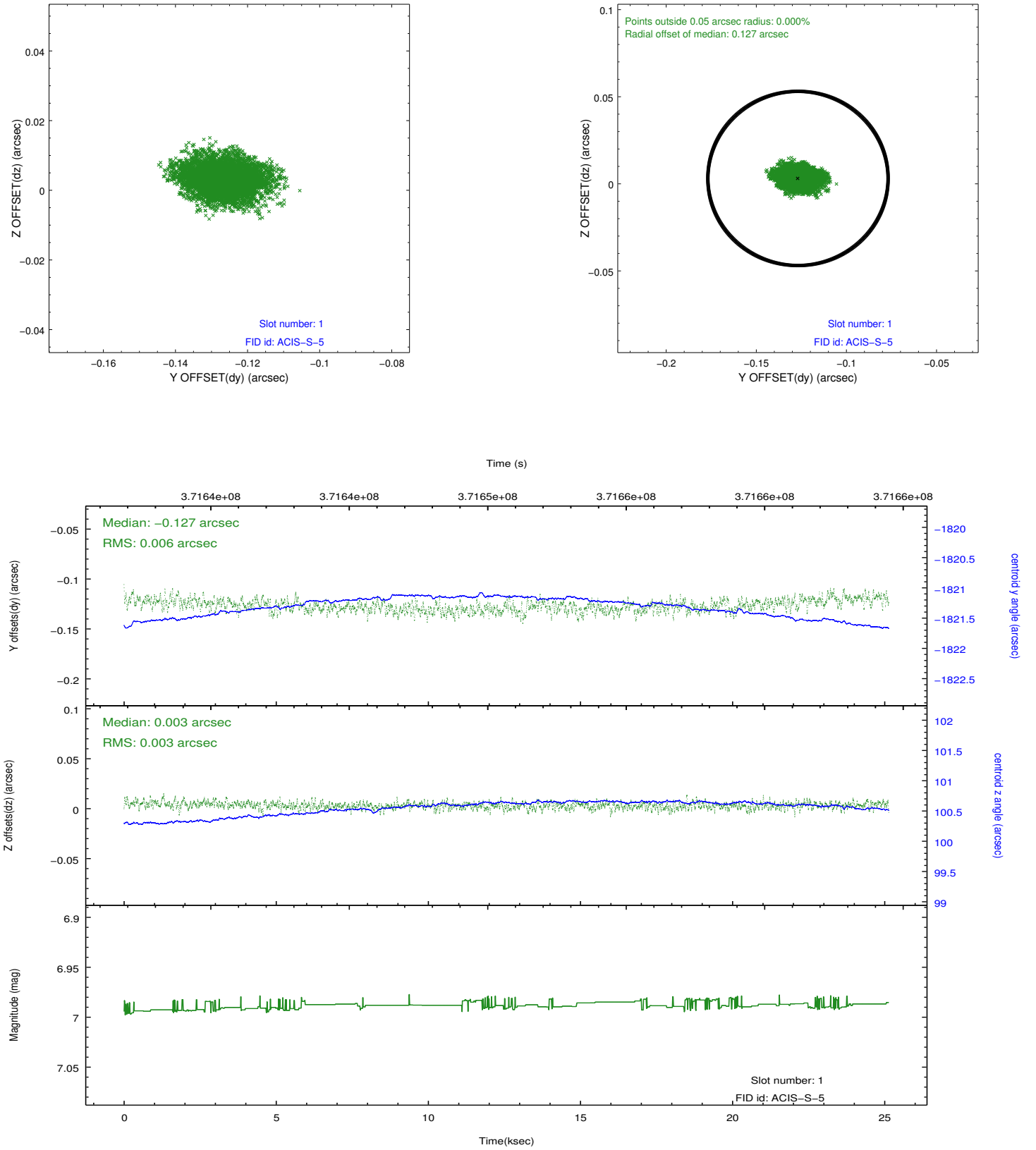


2.5 FID Slots

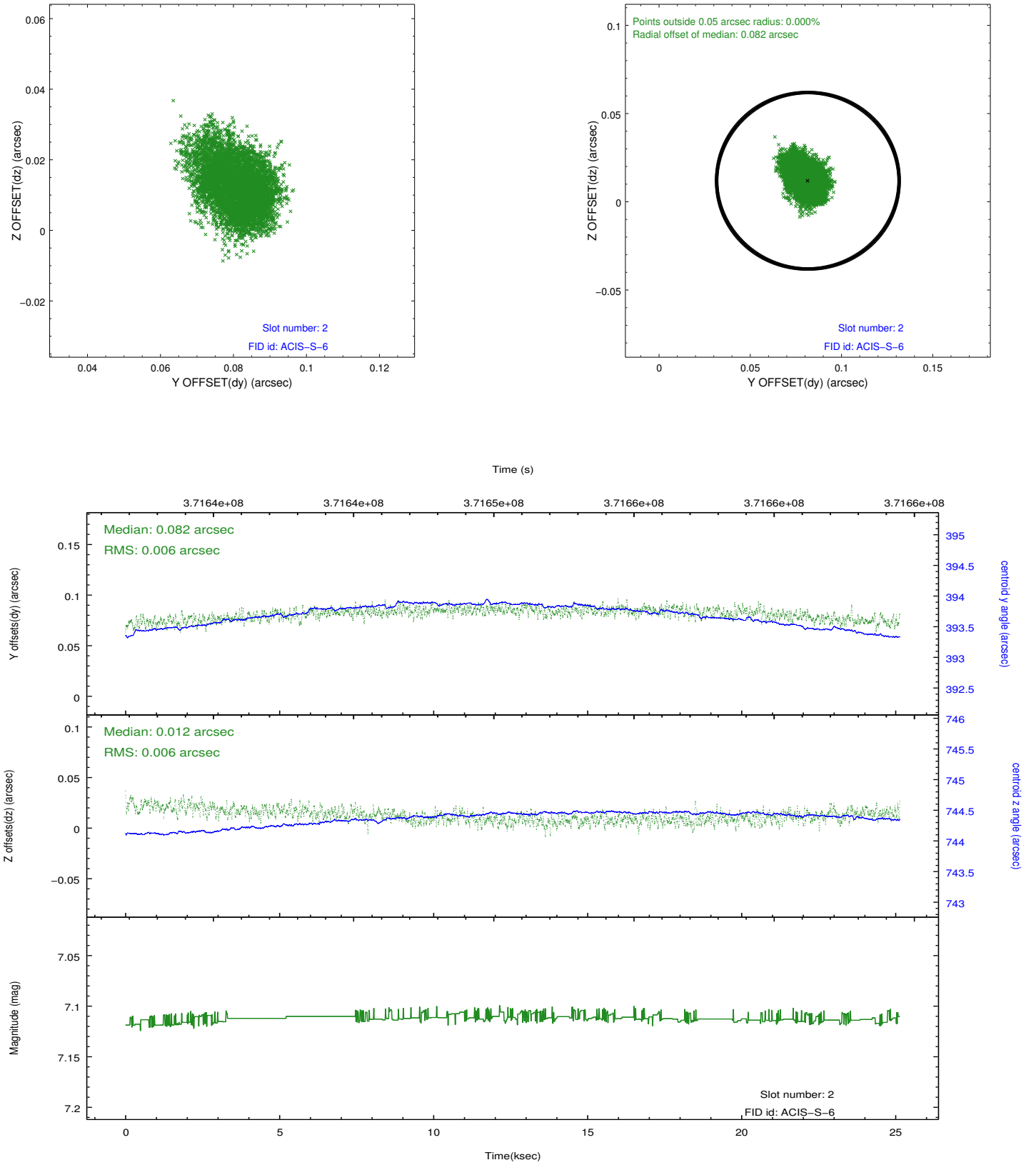
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

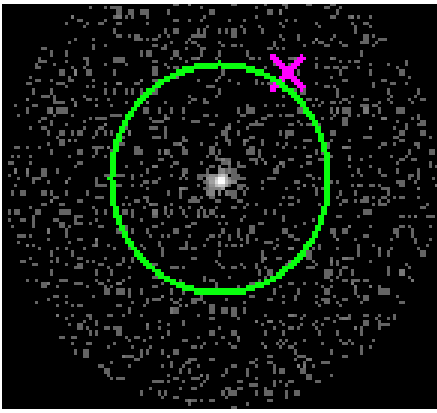


3 Gratings

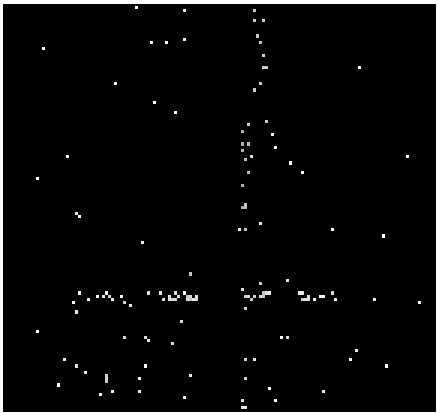
3.1 HEG Arm



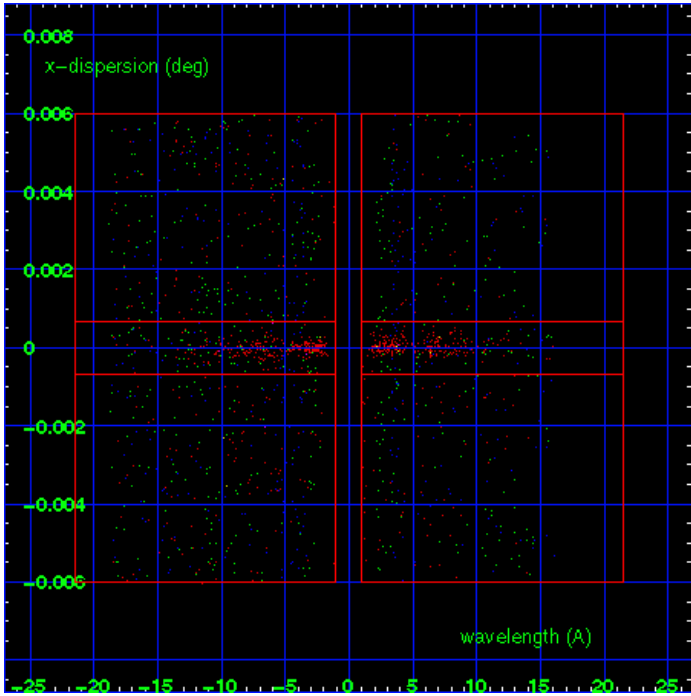
HEG Order Sort 123



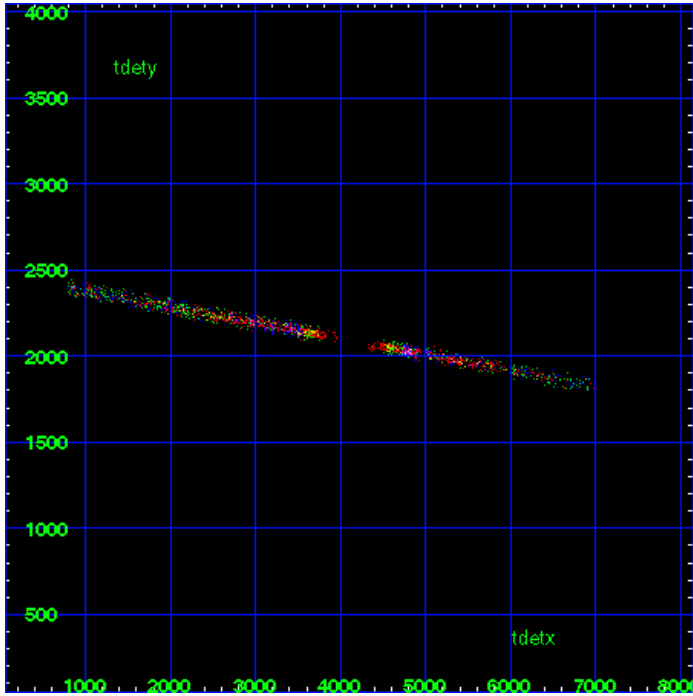
HEG Zero Order



HEG Order Sort ALL

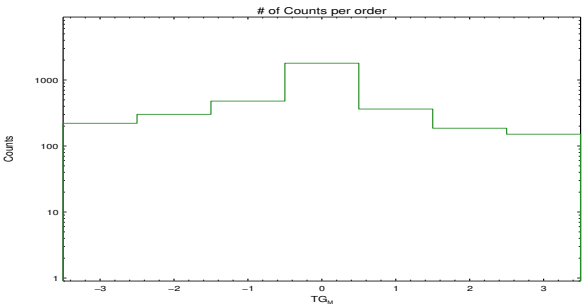


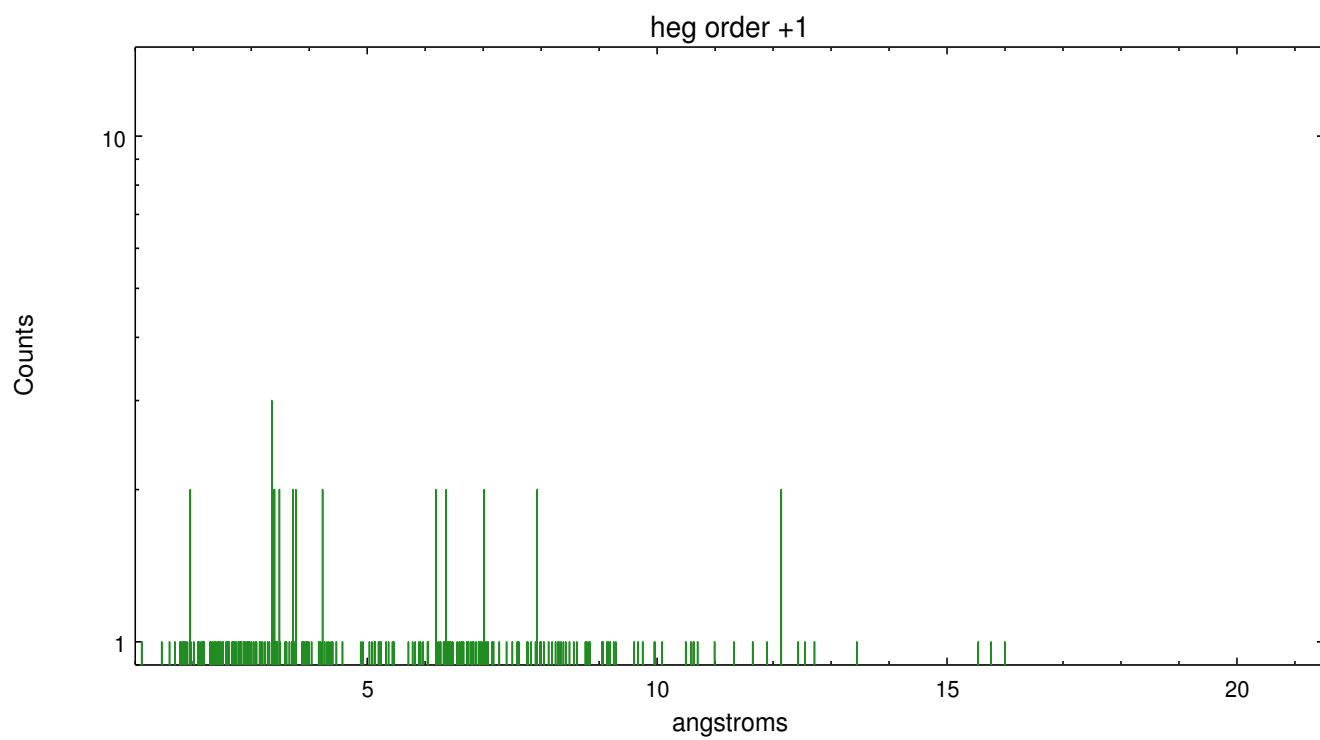
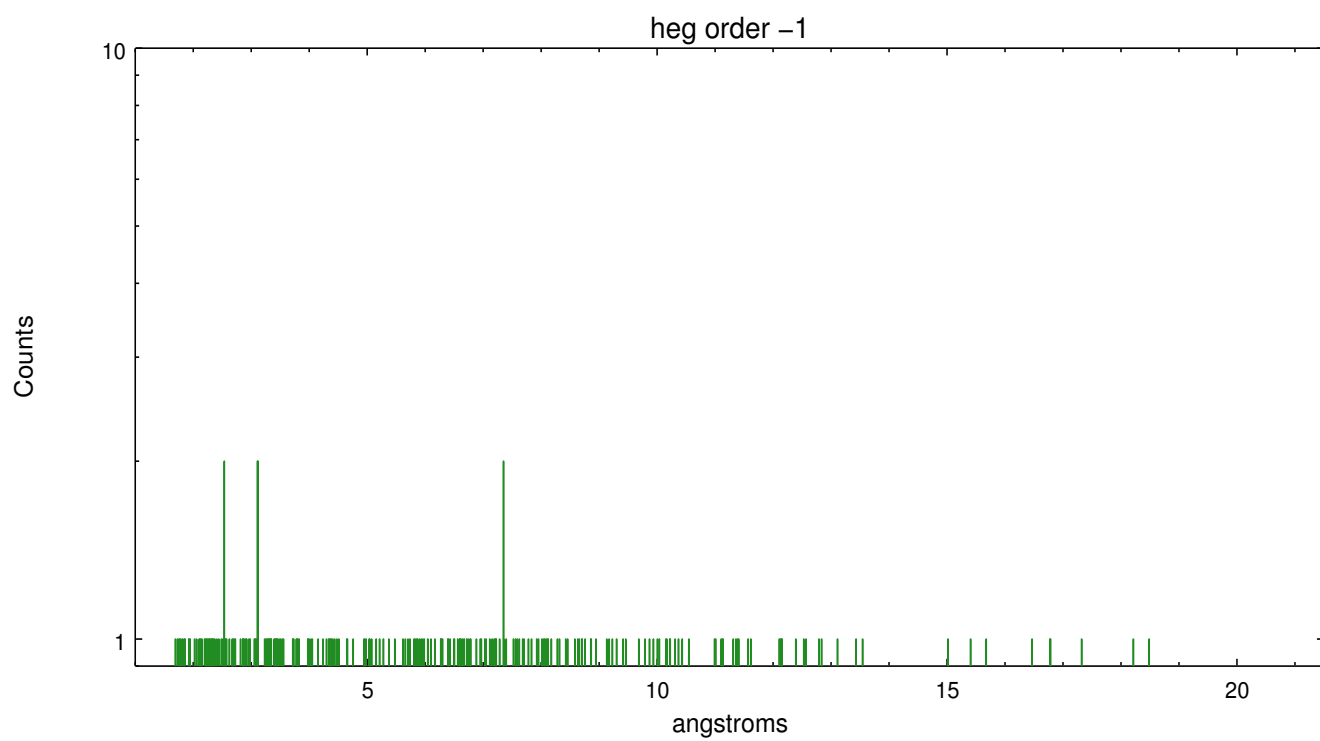
Spot Image HEG



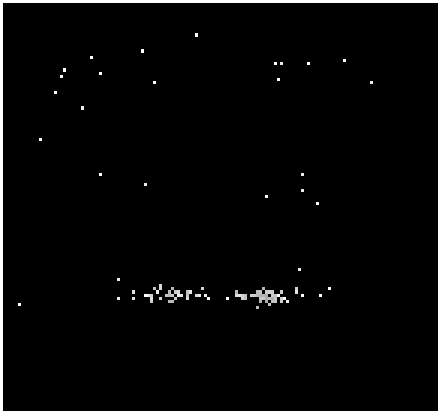
Full Detector HEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	221	302	479	1797	363	186	151

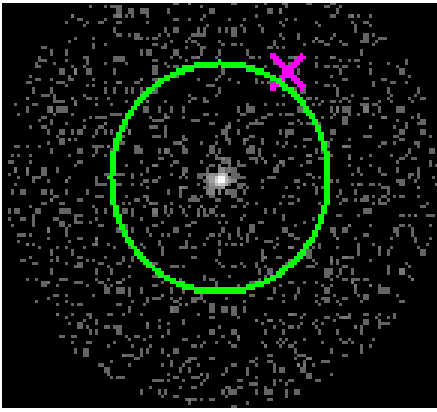




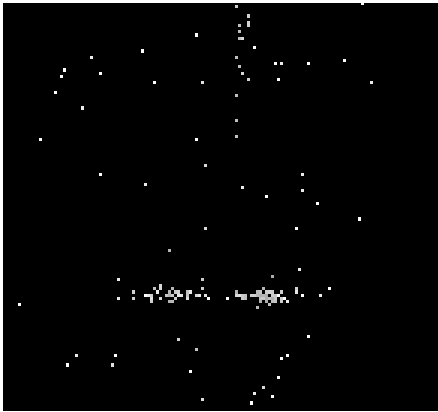
3.2 MEG Arm



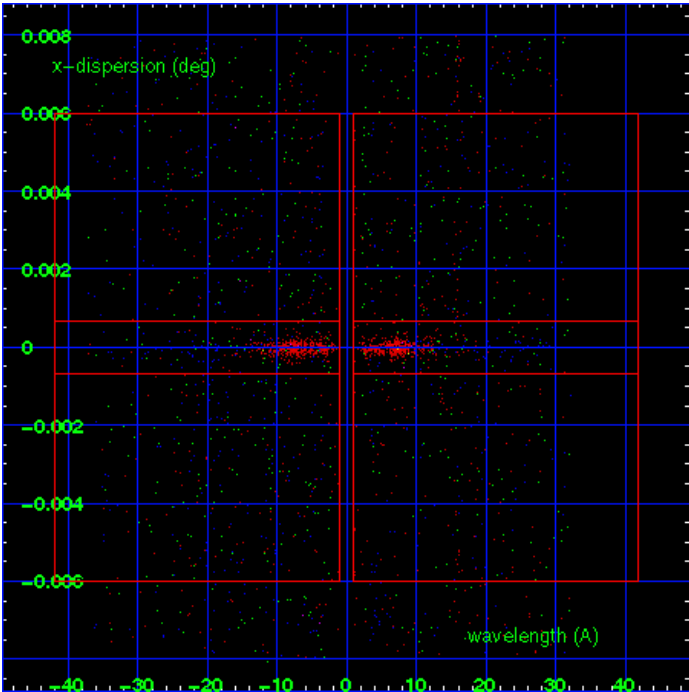
MEG Order Sort 123



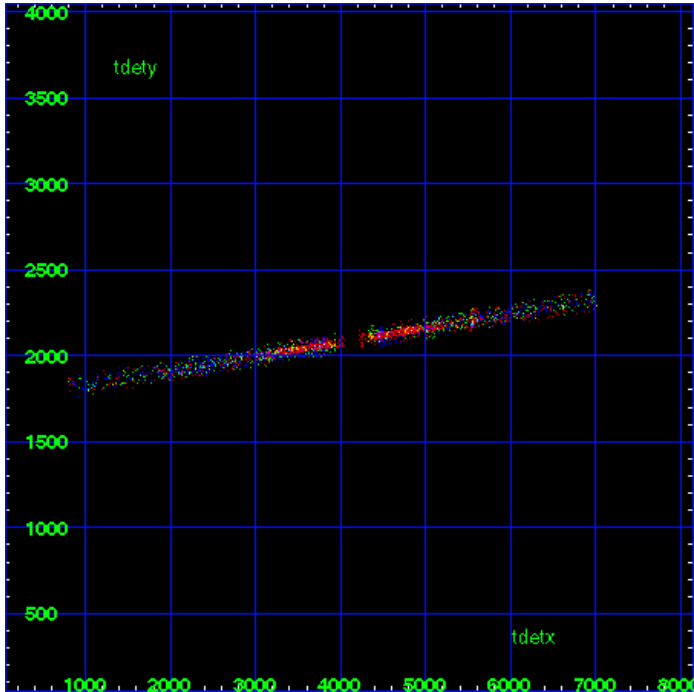
MEG Zero Order



MEG Order Sort ALL

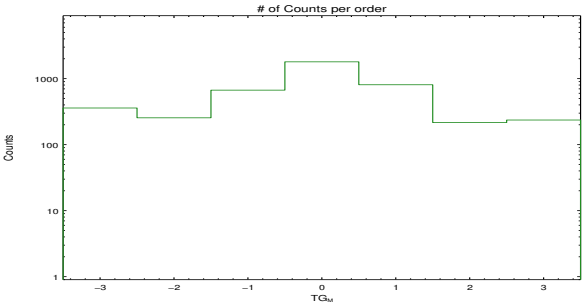


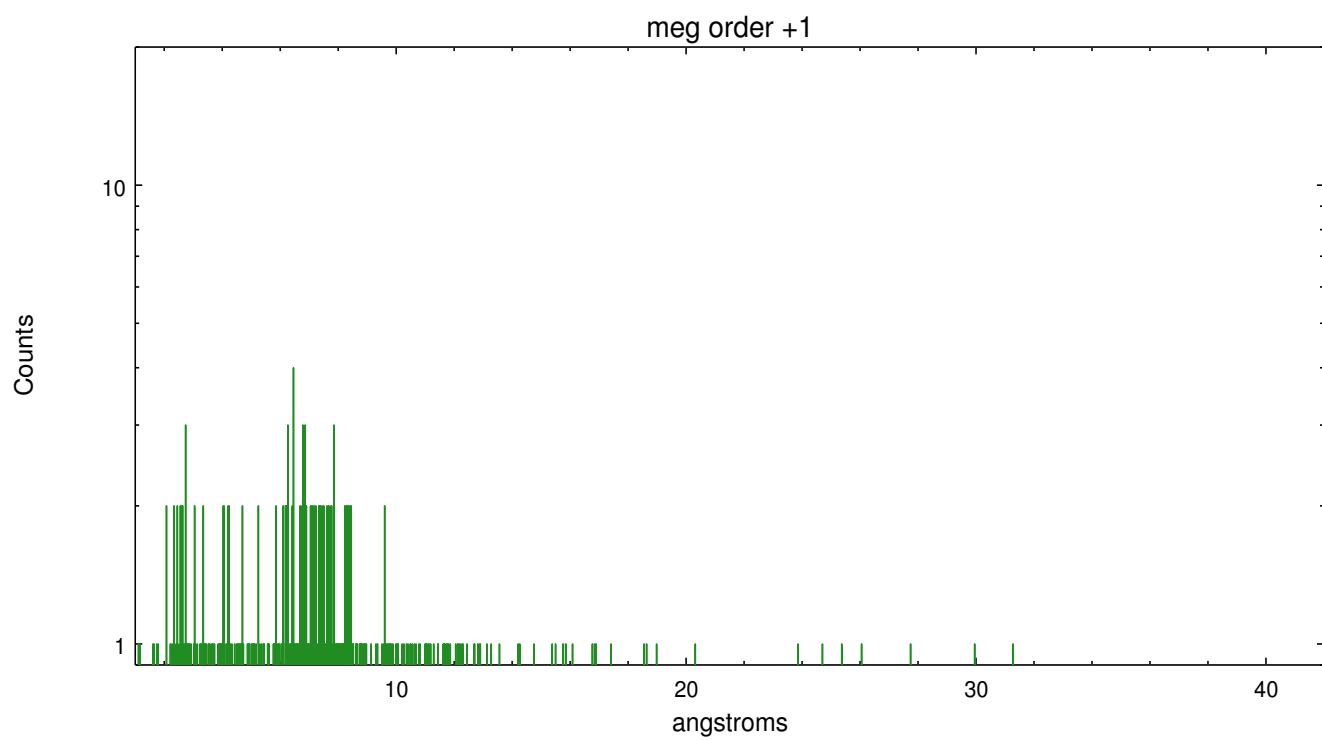
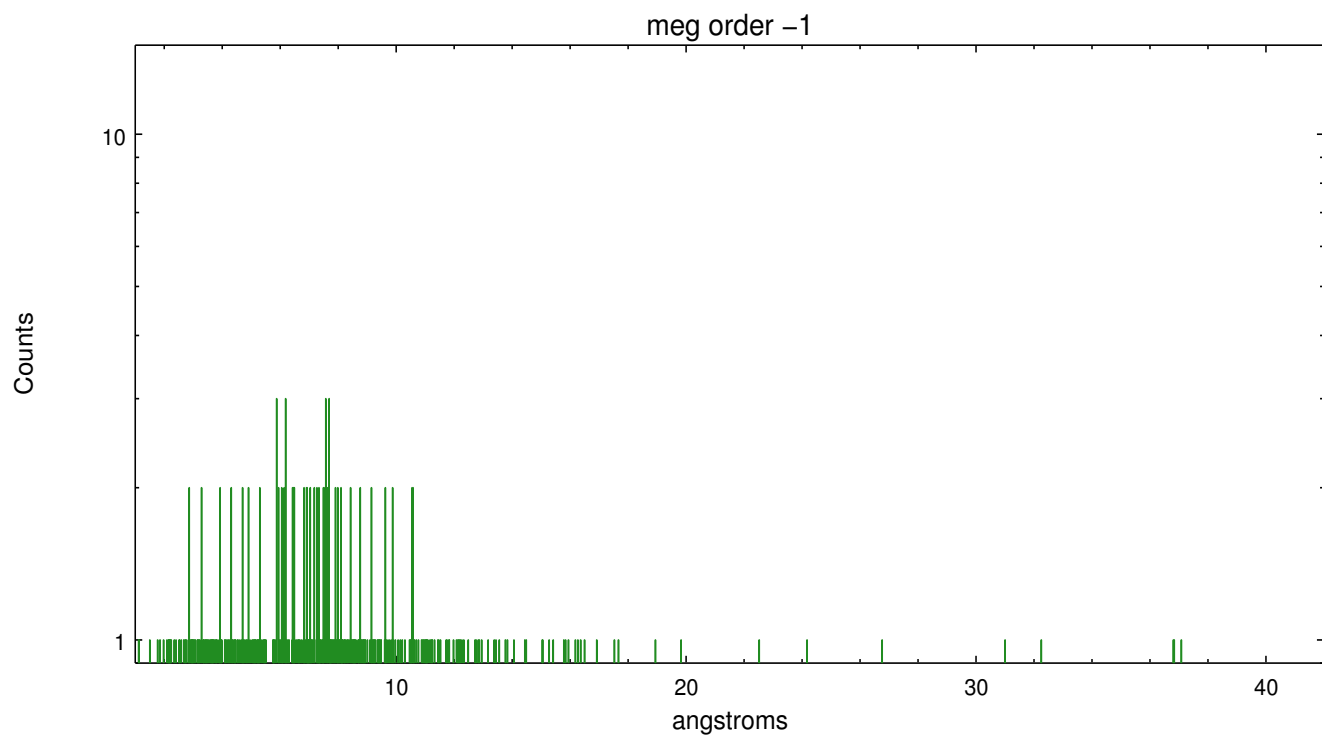
Spot Image MEG



Full Detector MEG

	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	359	255	669	1797	808	216	236





A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.135

A.2 Comments