

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7717 - L2 Version 2
Chandra X-Ray Center

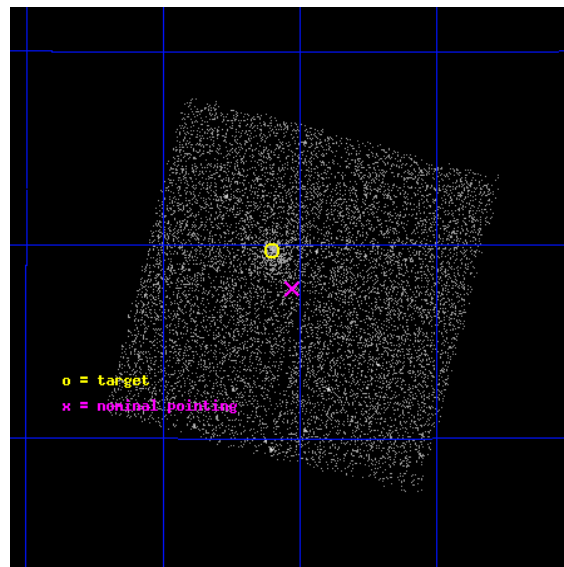
L2 Processing Date : Apr 14 2012

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1 Front

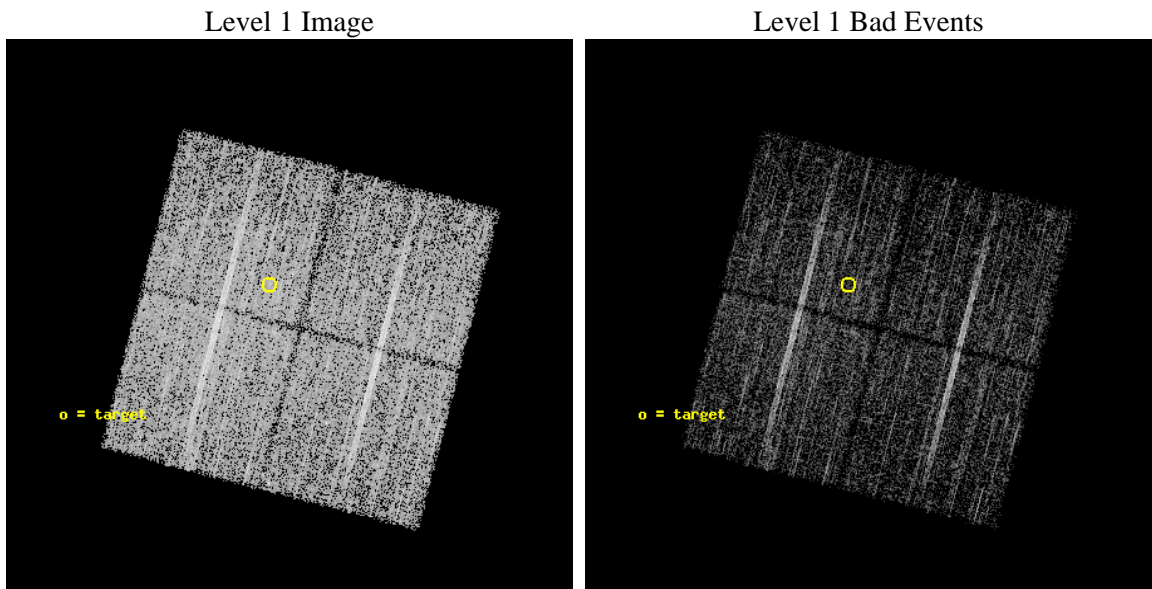
seq_num	701385	Sequence number
obs_id	7717	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	CL0024+17	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.650833	Observer's specified target RA [deg]
dec_targ	17.161944	Observer's specified target Dec [deg]
ra_nom	6.632546898752	Nominal RA [deg]
dec_nom	17.128991926053	Nominal Dec [deg]
roll_nom	284.48955483233	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7052.4590638876	Sum of GTIs [s]
livetime	6960.3134942731	Livetime [s]
ontime0	7055.6000542641	Sum of GTIs [s]
ontime1	7052.4590540528	Sum of GTIs [s]
ontime2	7055.6000542641	Sum of GTIs [s]
ontime3	7052.4590638876	Sum of GTIs [s]
l2events	12673	Number of level 2 events



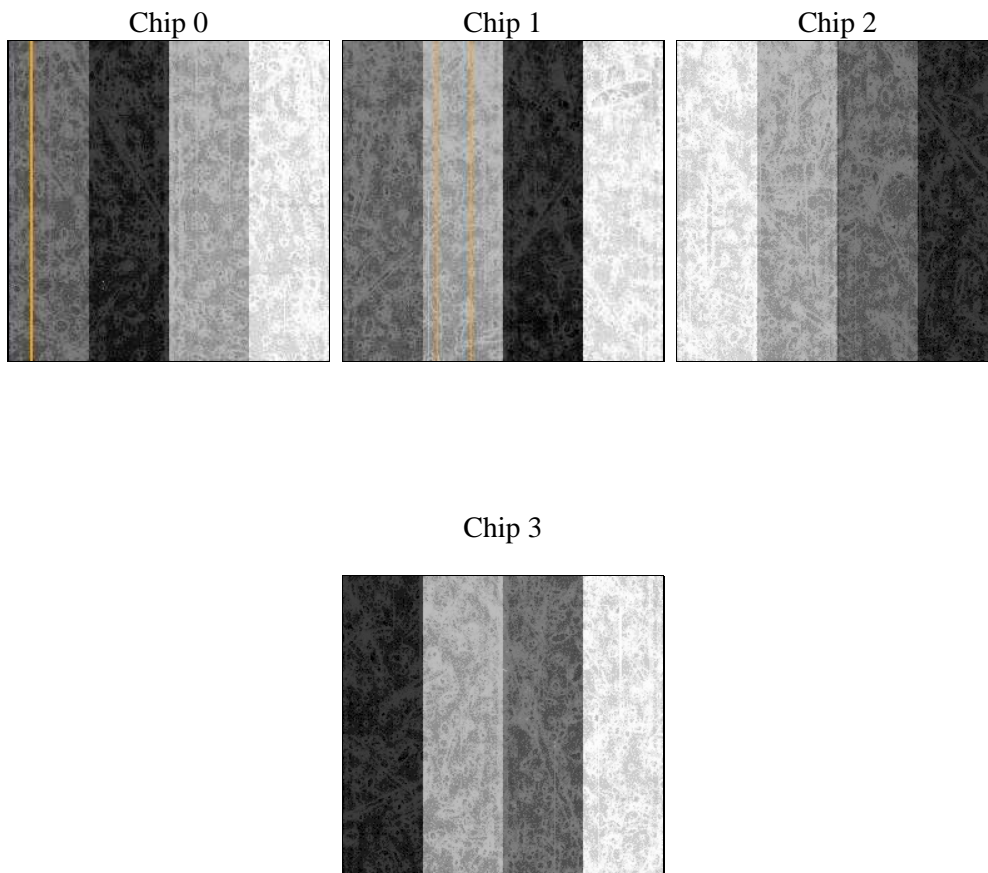
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	7052.4590638876	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	7055.6000542641	Sum of GTIs [s]
date	2012-04-14T05:44:35	Date and time of file creation	ontime1	7052.4590540528	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7055.6000542641	Sum of GTIs [s]
			ontime3	7052.4590638876	Sum of GTIs [s]
			l1events	181480	Number of level 1 events

2.1.4 Events

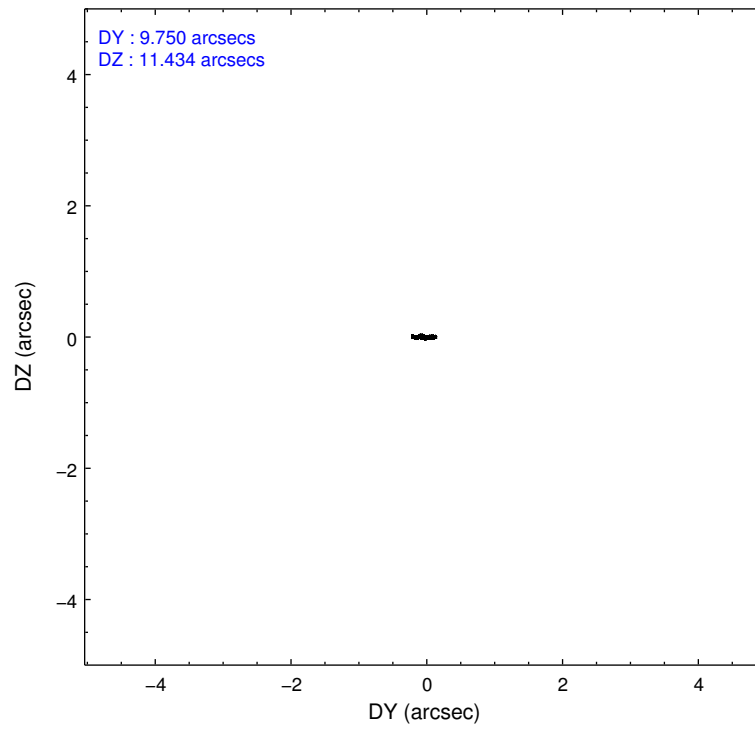
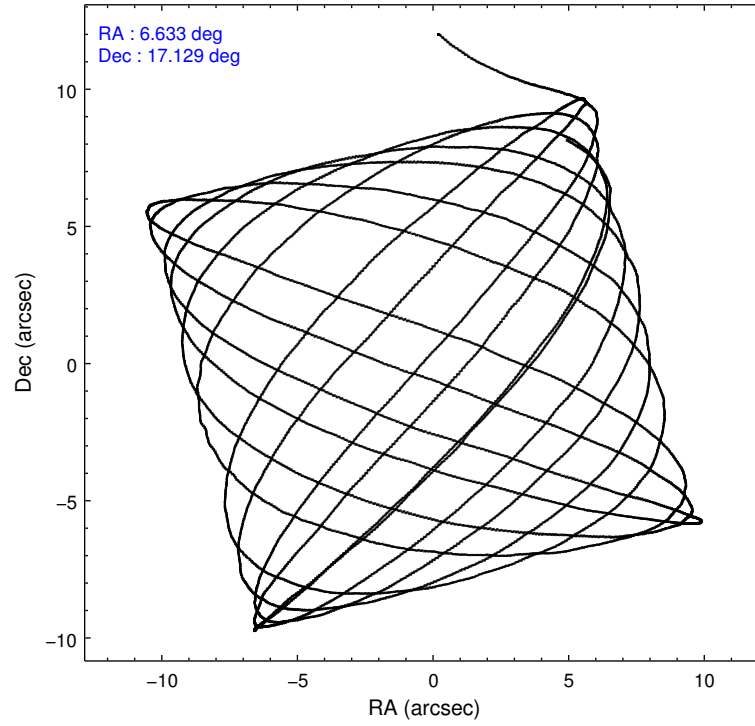
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	43739	41946	50687	45108
rejected events	39692	37822	46818	41028
rejected %	90%	90%	92%	90%

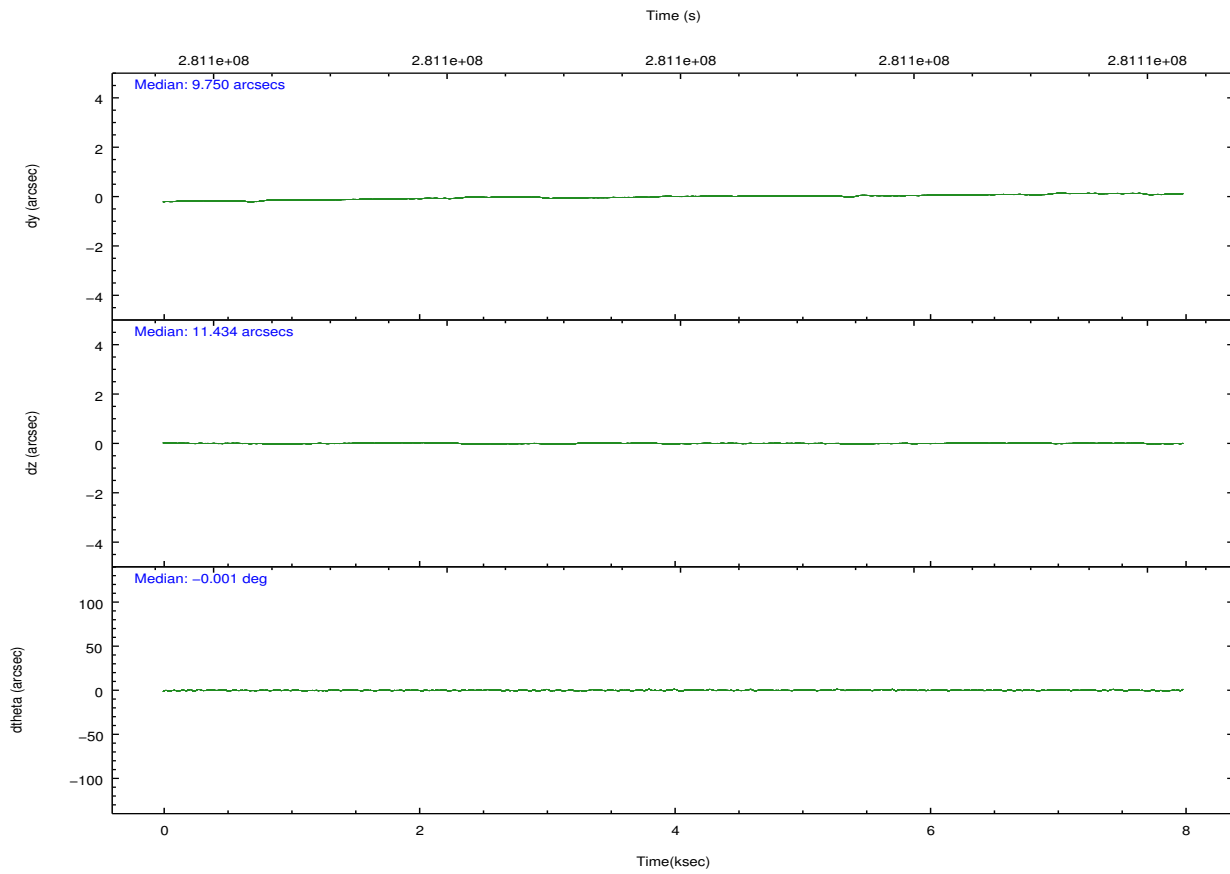
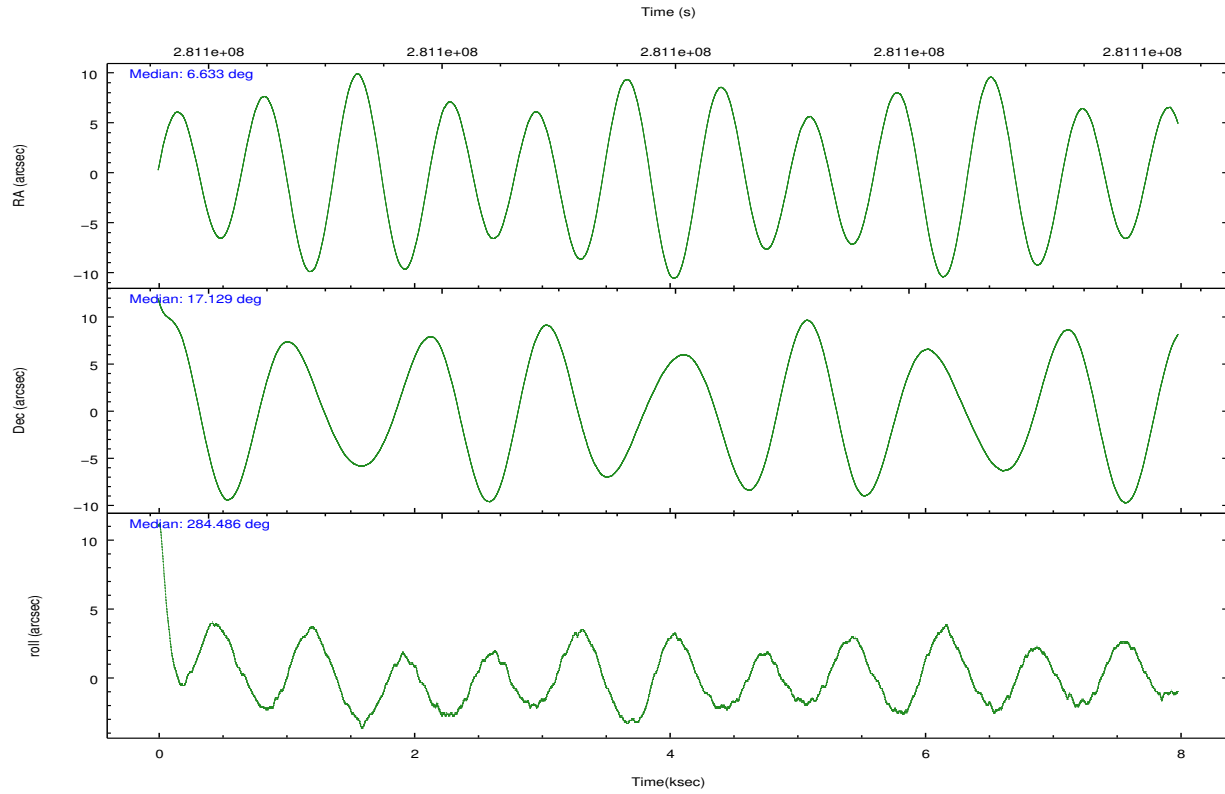
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1672	1511	1588	1821
	3%	3%	3%	4%
grade 1 events	27	29	29	28
	0%	0%	0%	0%
grade 2 events	927	896	949	793
	2%	2%	1%	1%
grade 3 events	447	510	410	464
	1%	1%	0%	1%
grade 4 events	440	488	425	413
	1%	1%	0%	0%
grade 5 events	753	851	658	888
	1%	2%	1%	1%
grade 6 events	562	719	498	593
	1%	1%	0%	1%
grade 7 events	38911	36942	46130	40108
	88%	88%	91%	88%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	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	6.612312	6.632546898752025	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.148439	17.12899192605305	Alternating exposures requested	N	N
[deg] Pointing Roll	284.286819	284.4895548323325	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	281098927.184000	281097513.98042			
Observation start date	2006-11-28T11:01:02	2006-11-28T10:38:33			
[s] Observation end time (MET)	281105927.184000	281106407.90584			
Observation end date	2006-11-28T12:57:42	2006-11-28T13:06:47			
Read mode	TIMED	TIMED			

2.3 Aspect



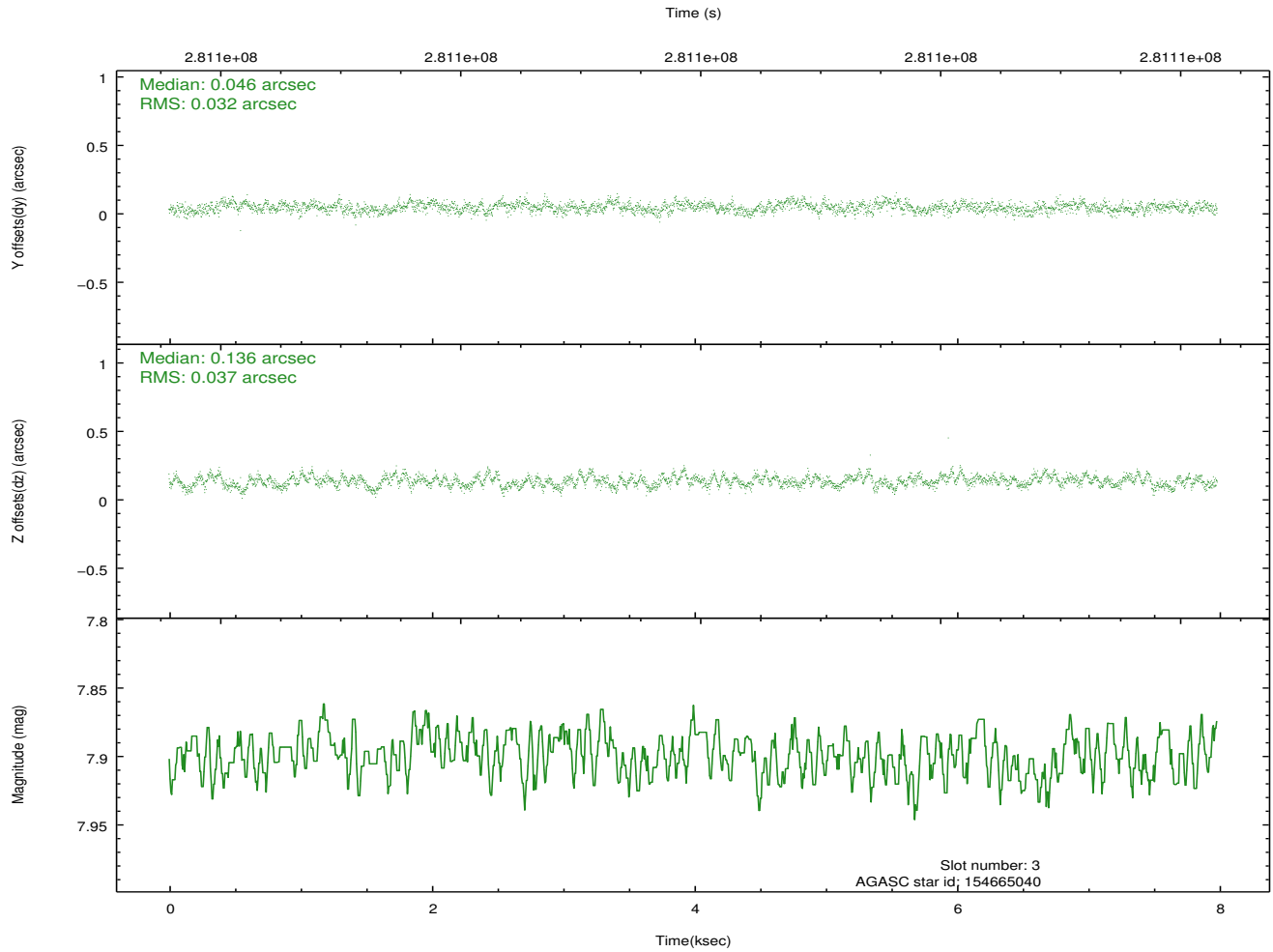
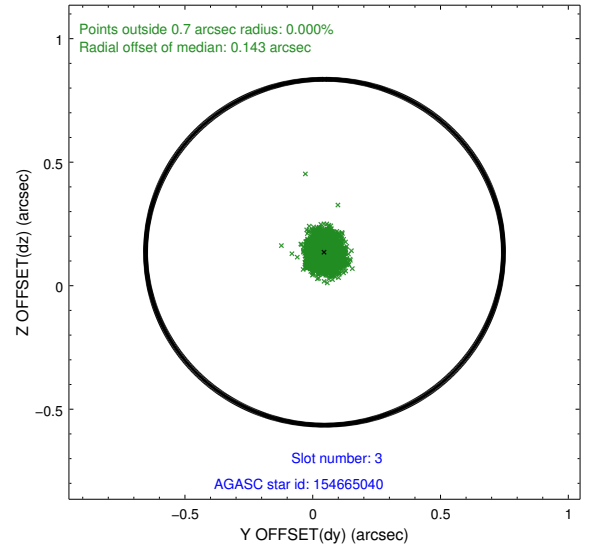
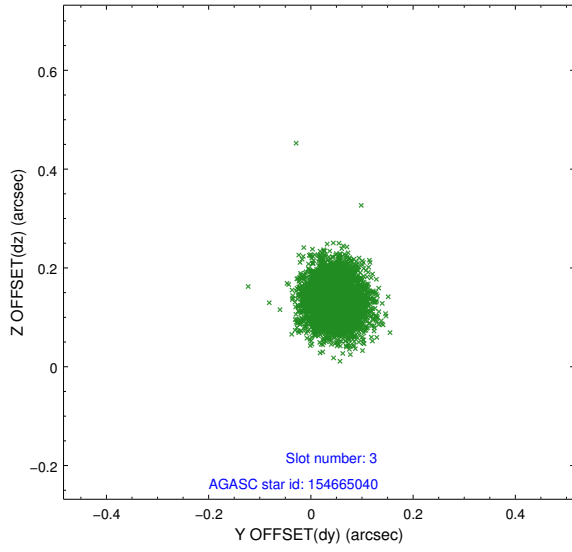


Slot Statistics

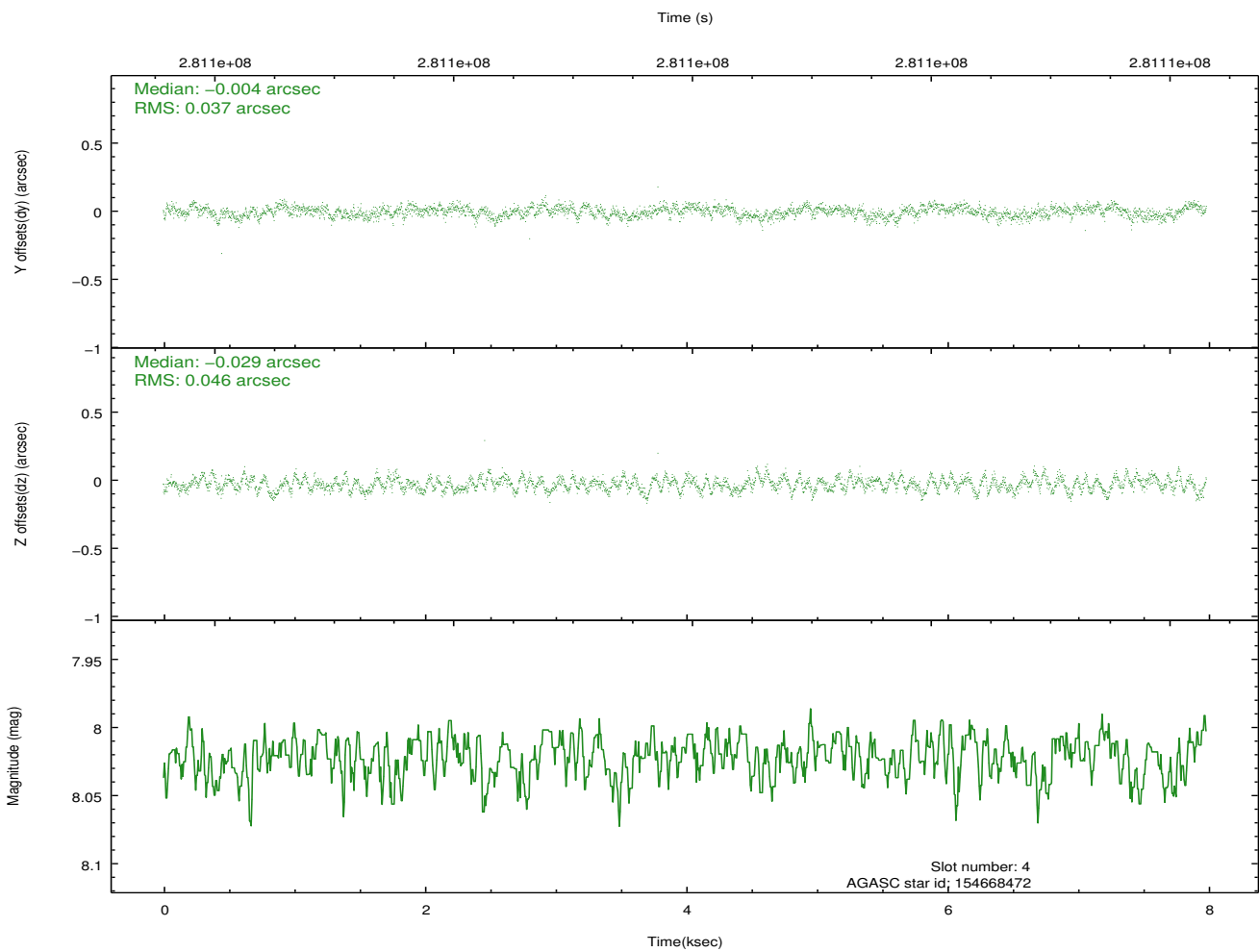
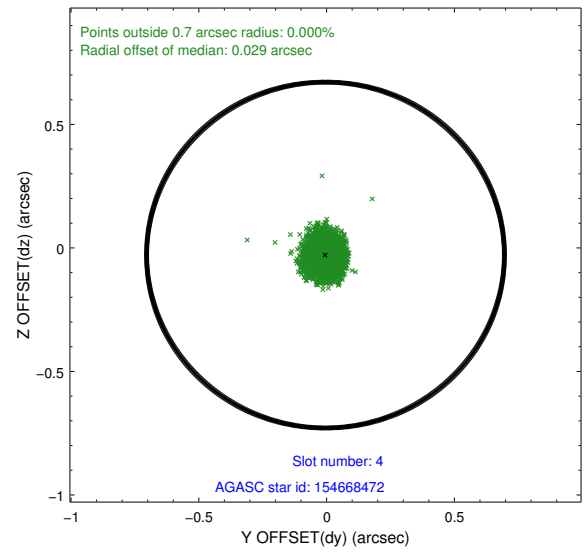
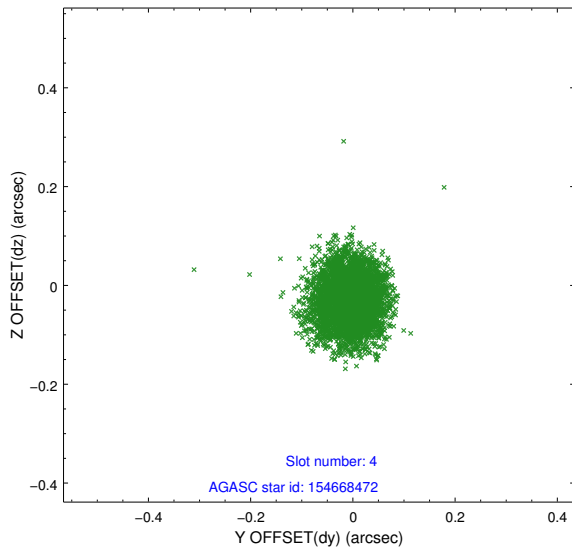
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1948	0.068	-0.053	0.006	0.011	0.000000	0.000000	929.92	-835.01
1	FID	ACIS-I-5	7.23	1948	-0.226	0.062	0.006	0.009	0.000000	0.000000	-1818.05	1062.29
2	FID	ACIS-I-6	7.25	1948	0.067	0.061	0.007	0.011	0.000000	0.000000	394.75	1707.55
3	GUIDE	154665040	7.90	3895	0.046	0.136	0.052	0.083	7.031910	16.716005	1864.75	1018.55
4	GUIDE	154668472	8.02	3895	-0.004	-0.029	0.062	0.099	6.295897	16.991914	277.95	-1193.83
5	GUIDE	154668976	8.84	3886	-0.023	-0.056	0.085	0.142	6.151479	16.979813	195.65	-1687.28
6	GUIDE	154674256	8.33	3896	0.215	-0.055	0.079	0.128	6.159864	16.407854	2197.36	-2172.02
7	GUIDE	155061776	9.28	3889	-0.233	0.000	0.115	0.194	5.886421	17.526895	-1938.97	-2078.18

2.4 Star Slots

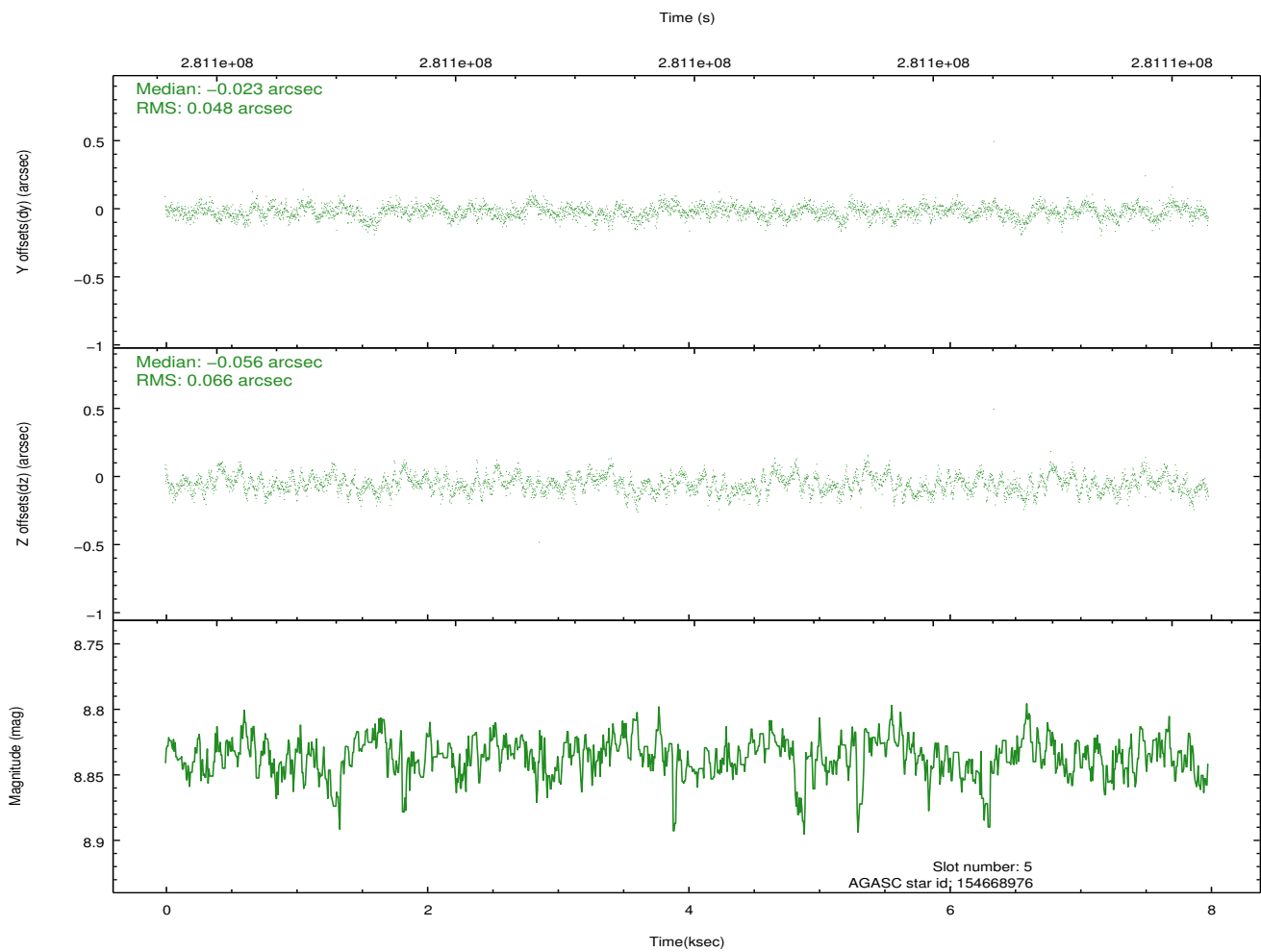
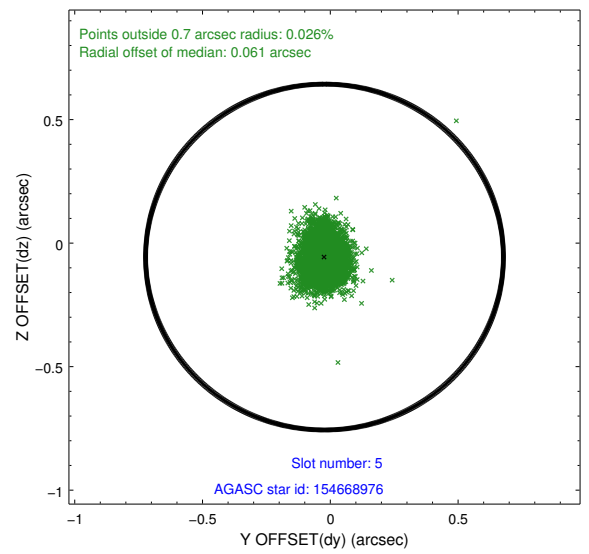
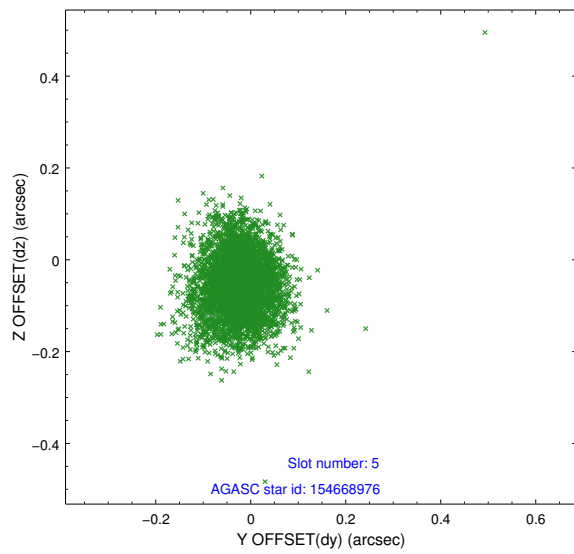
2.4.1 Slot 3



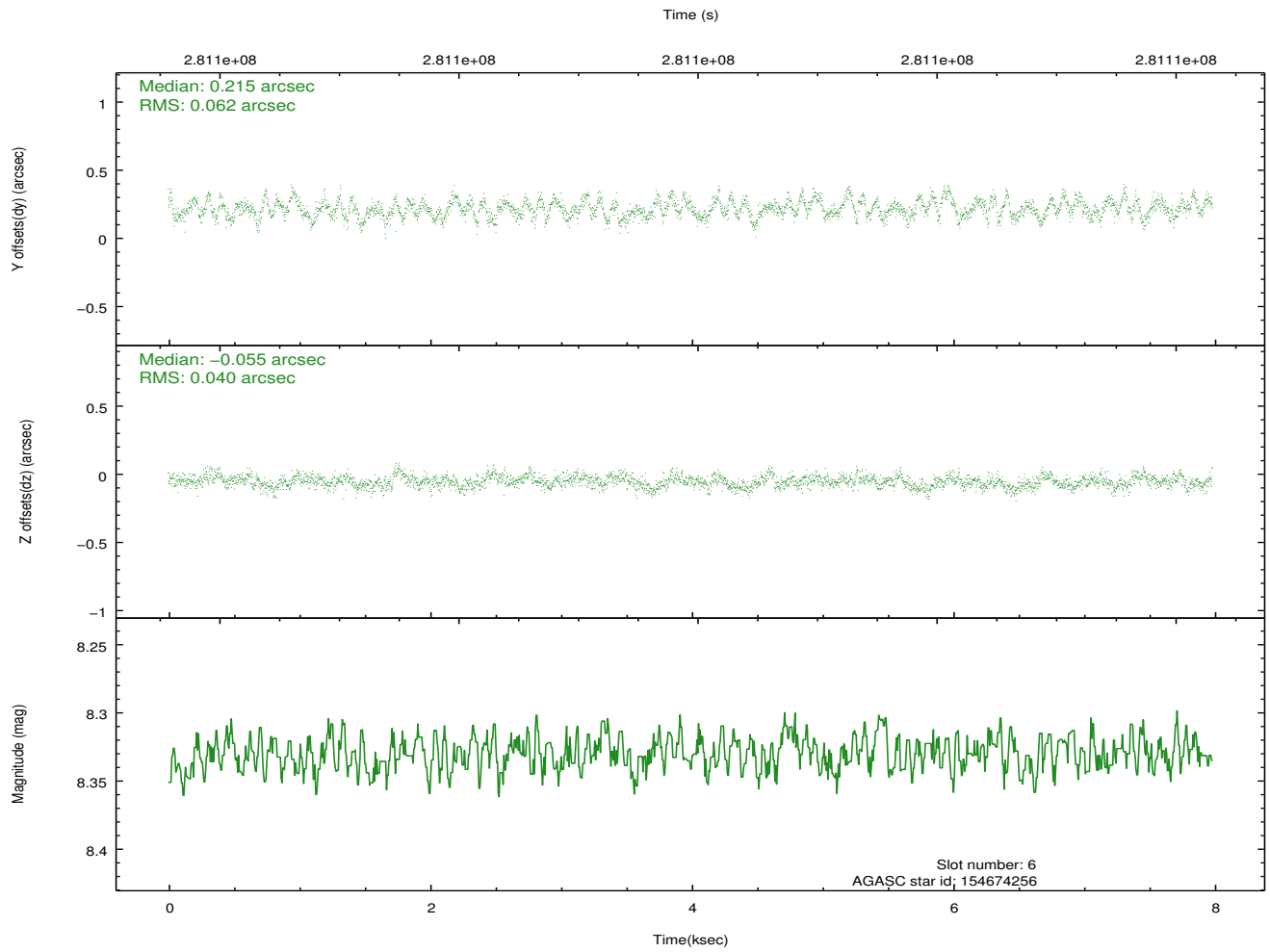
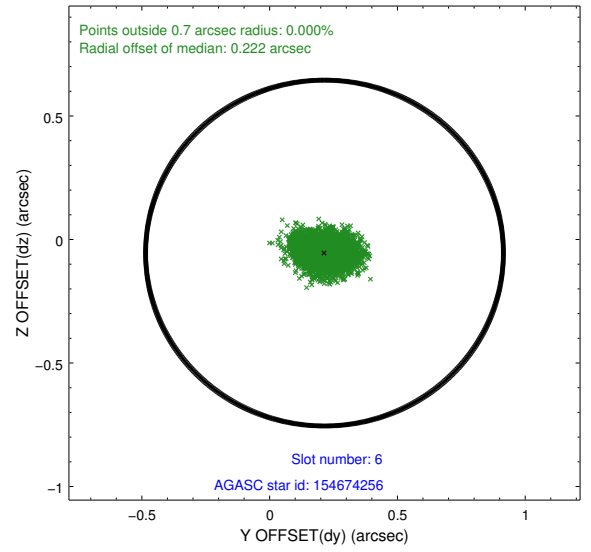
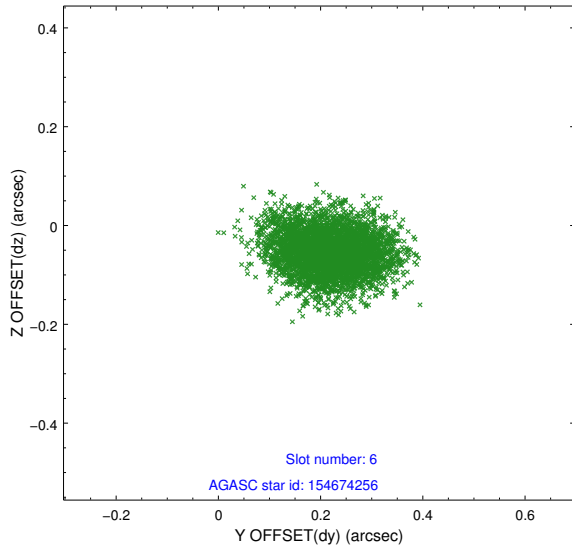
2.4.2 Slot 4



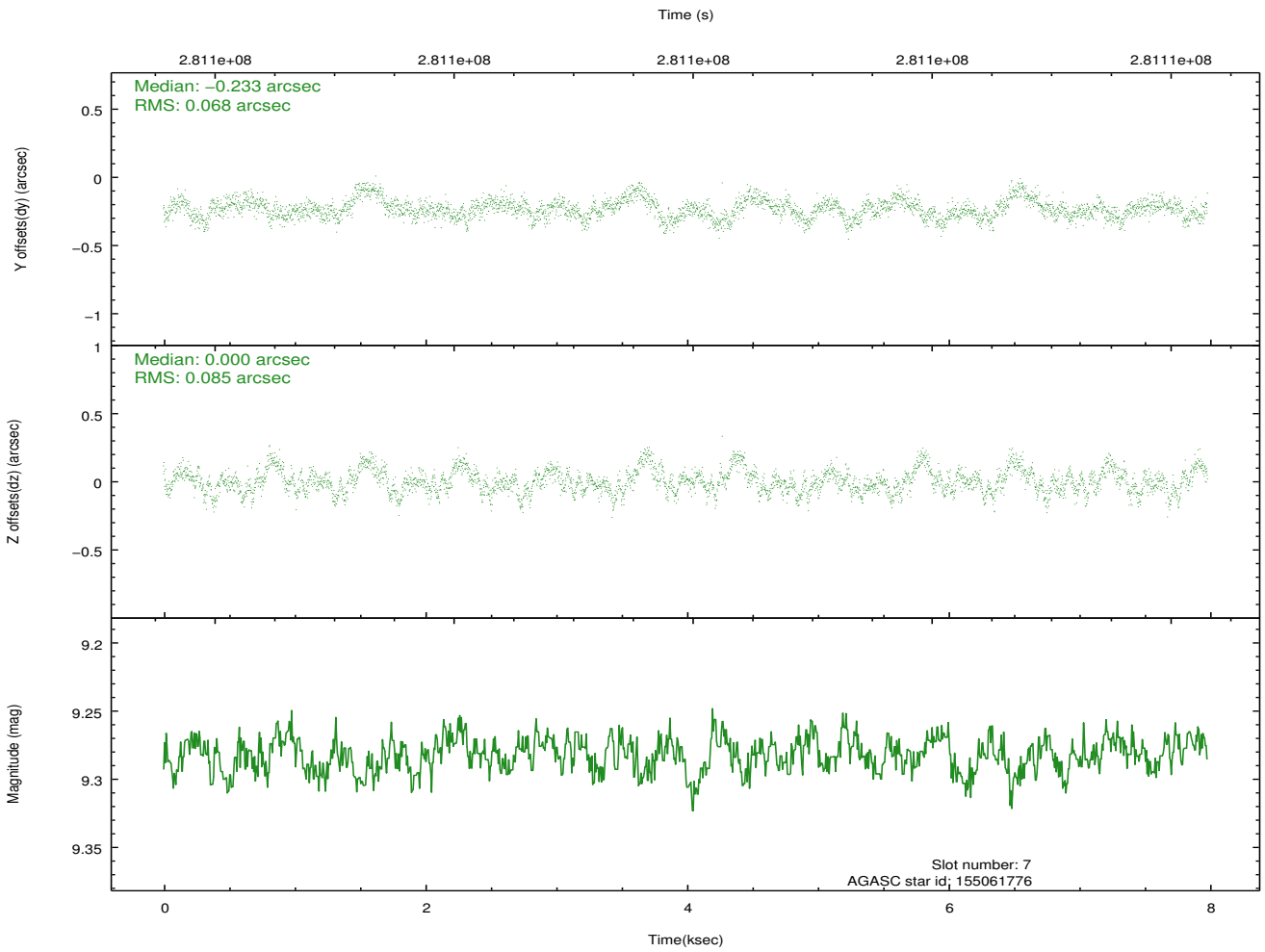
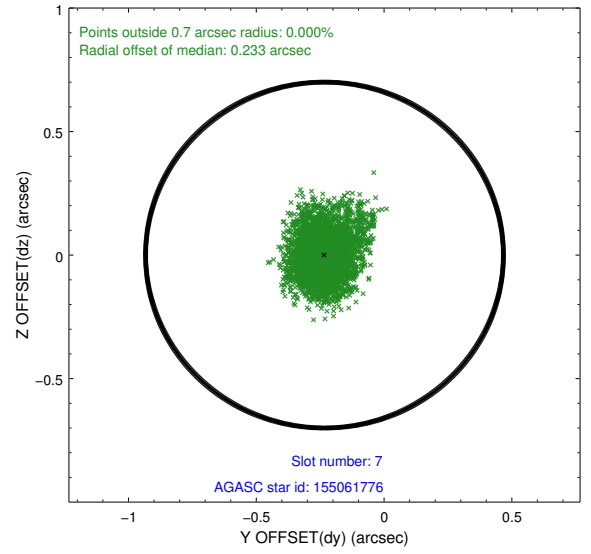
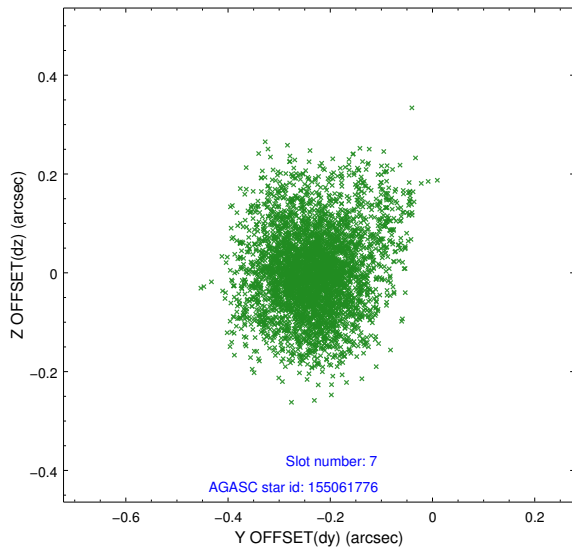
2.4.3 Slot 5



2.4.4 Slot 6

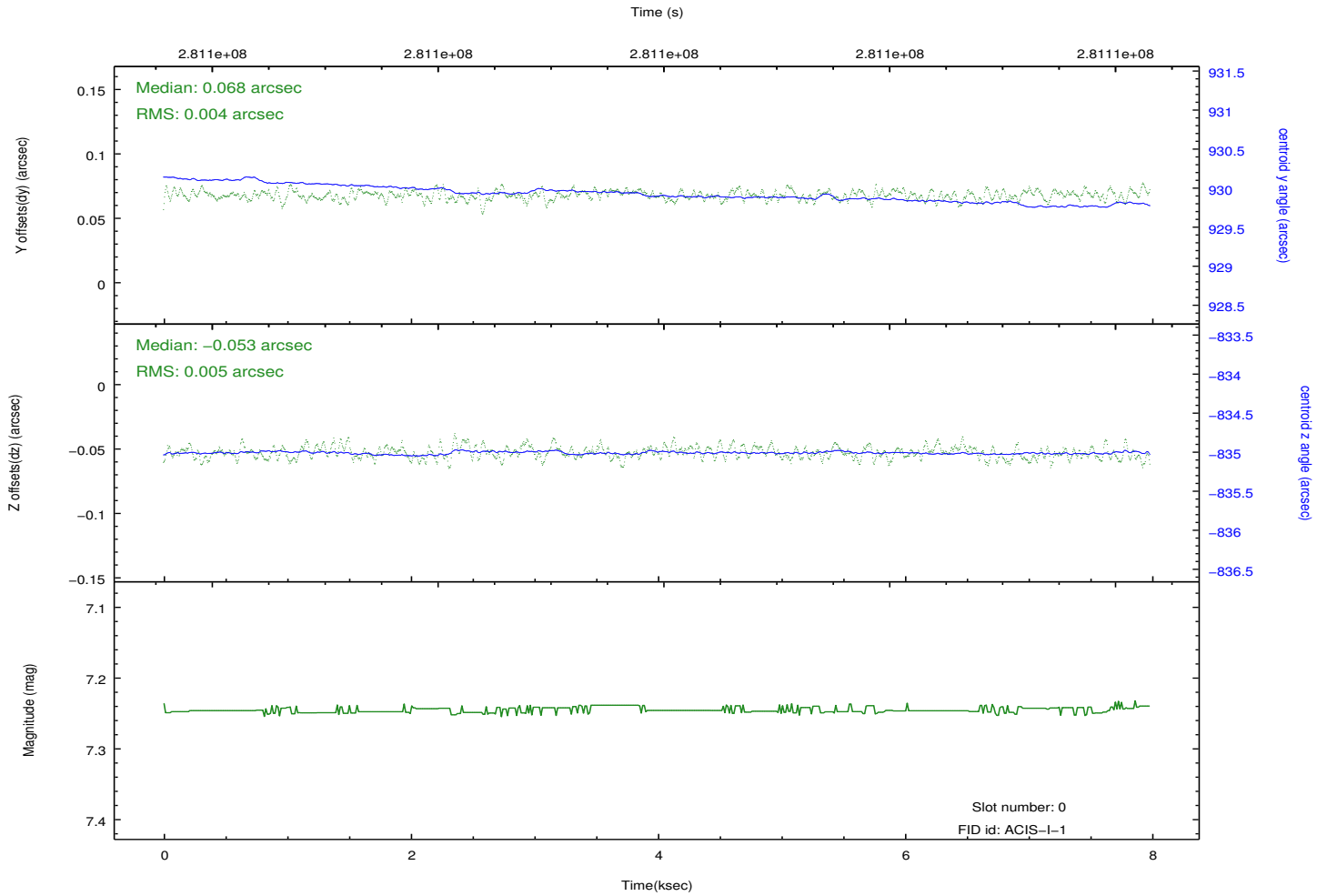
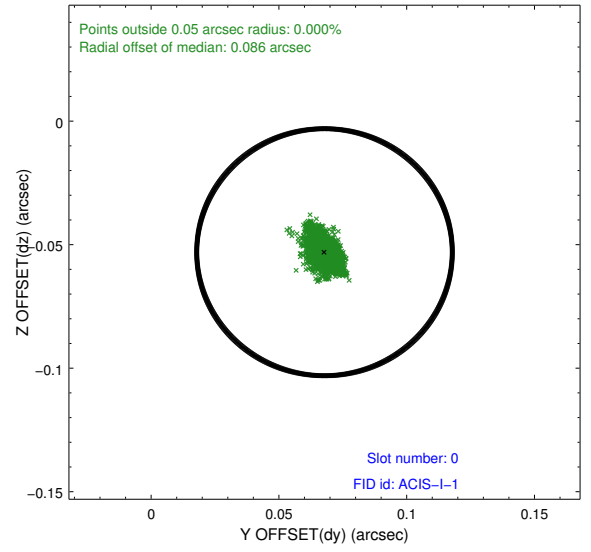
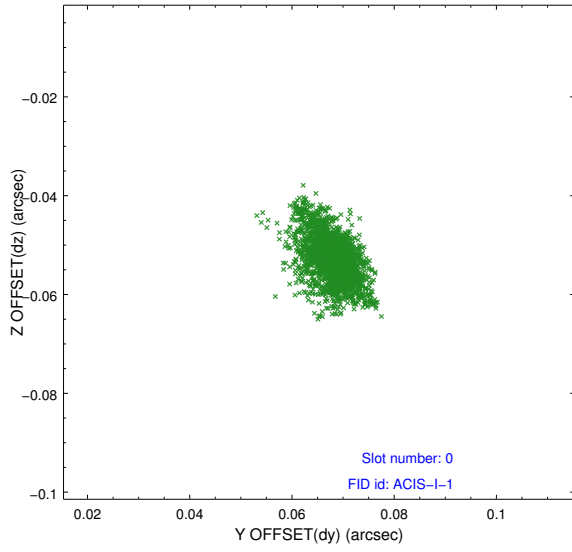


2.4.5 Slot 7

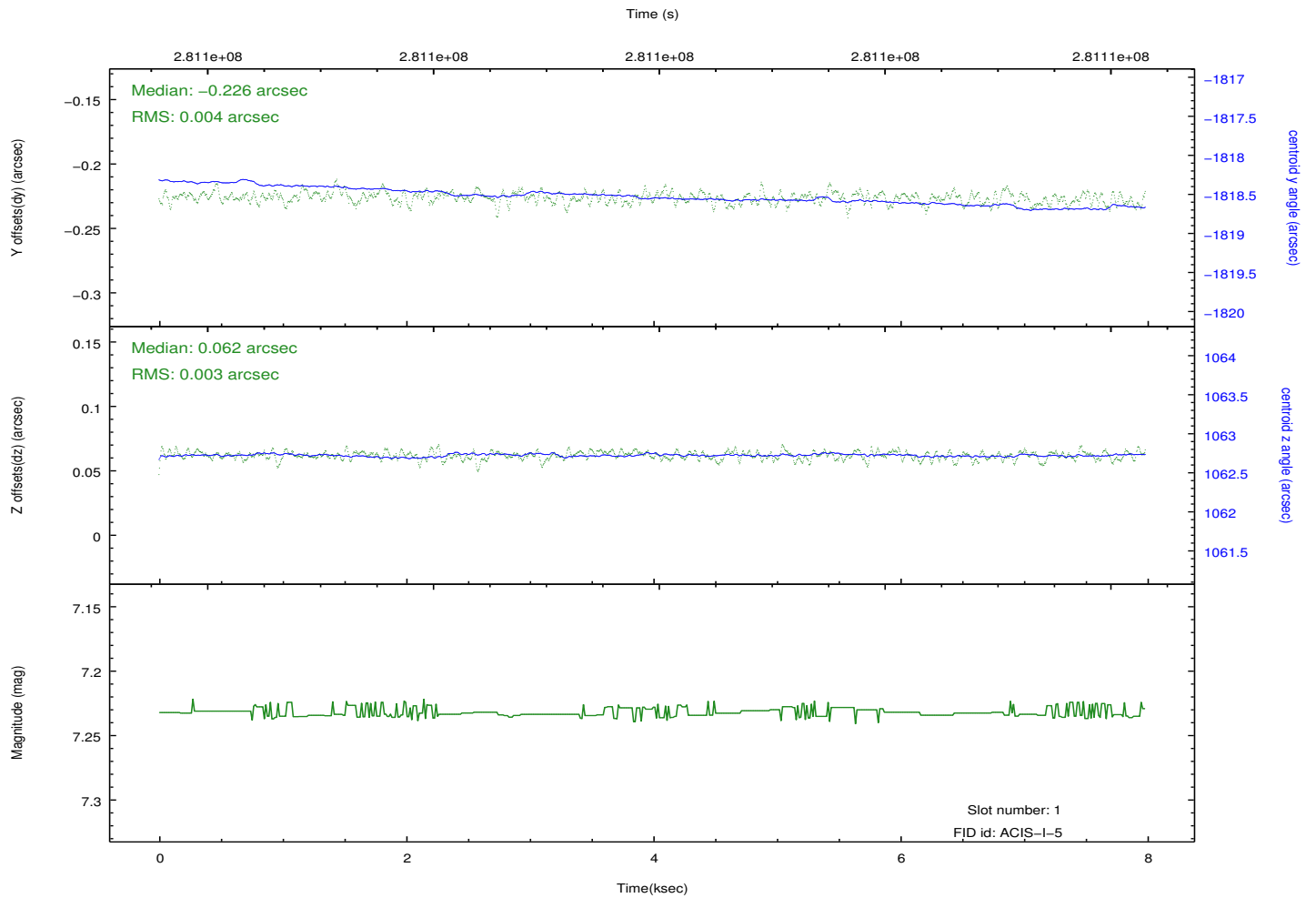
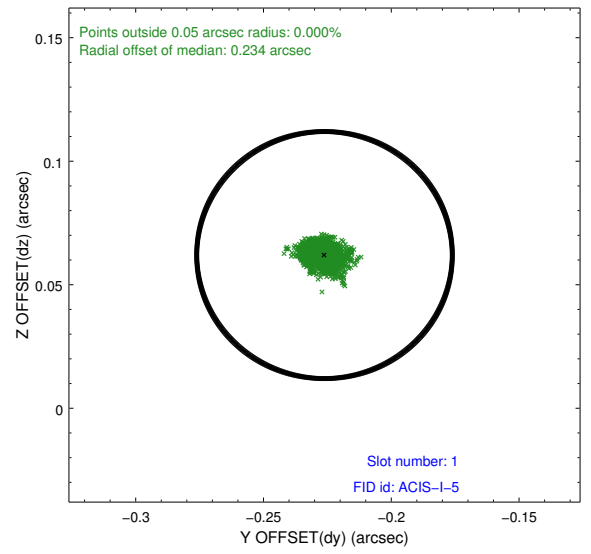
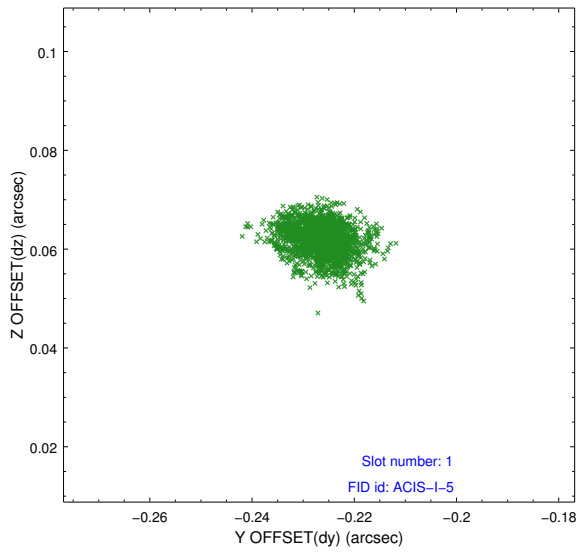


2.5 FID Slots

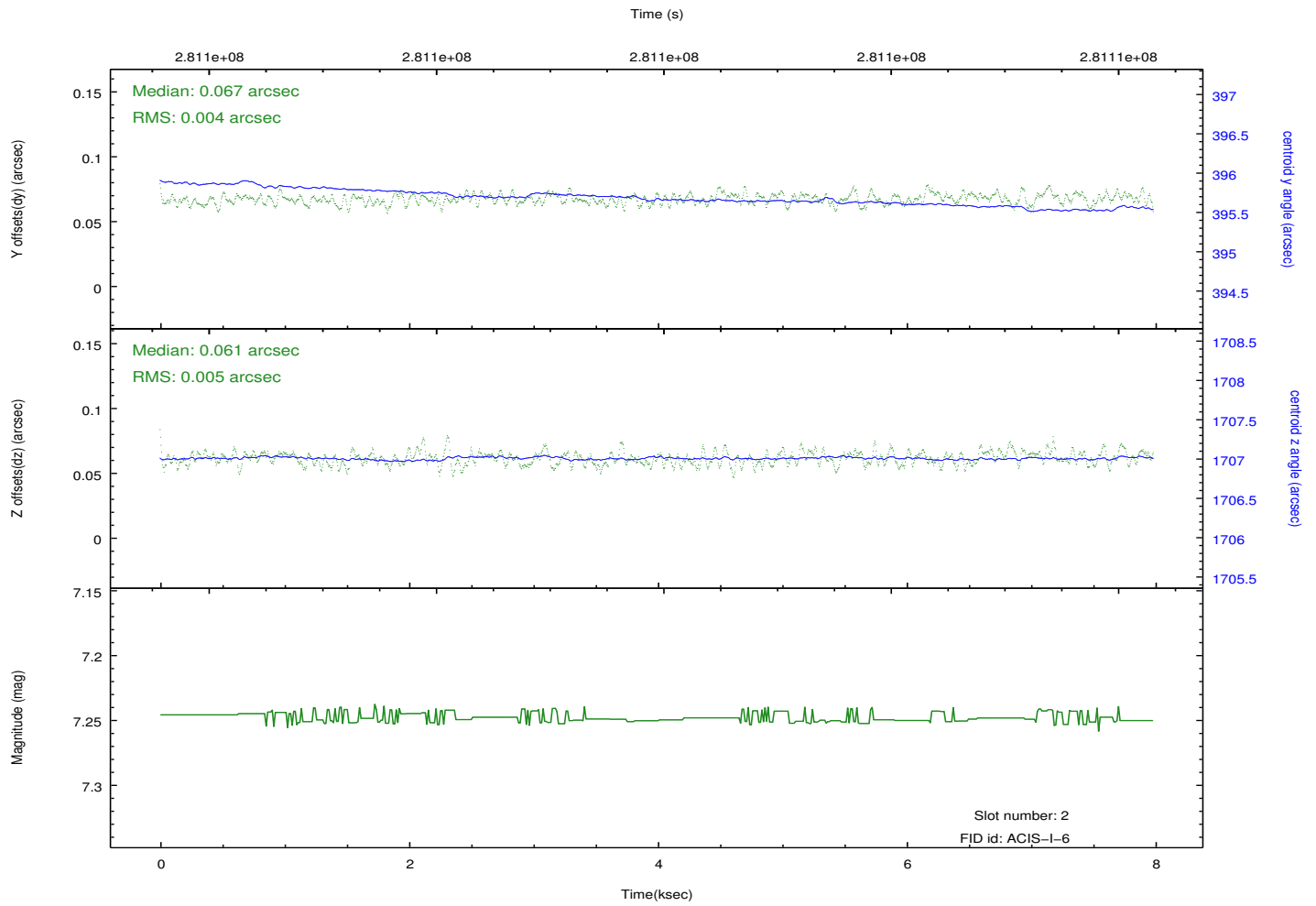
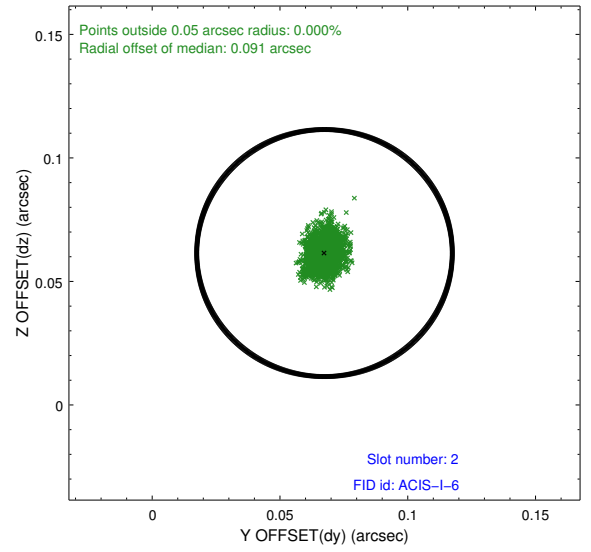
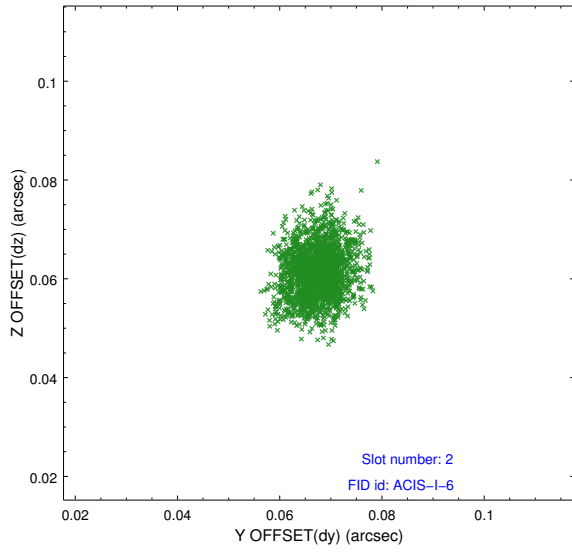
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.05245906

A.2 Comments