

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12309 - L2 Version 2
Chandra X-Ray Center

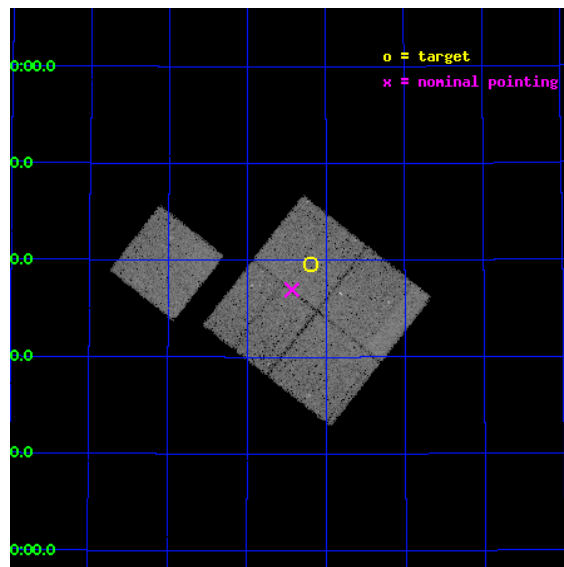
L2 Processing Date : Jul 4 2012

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1 Front

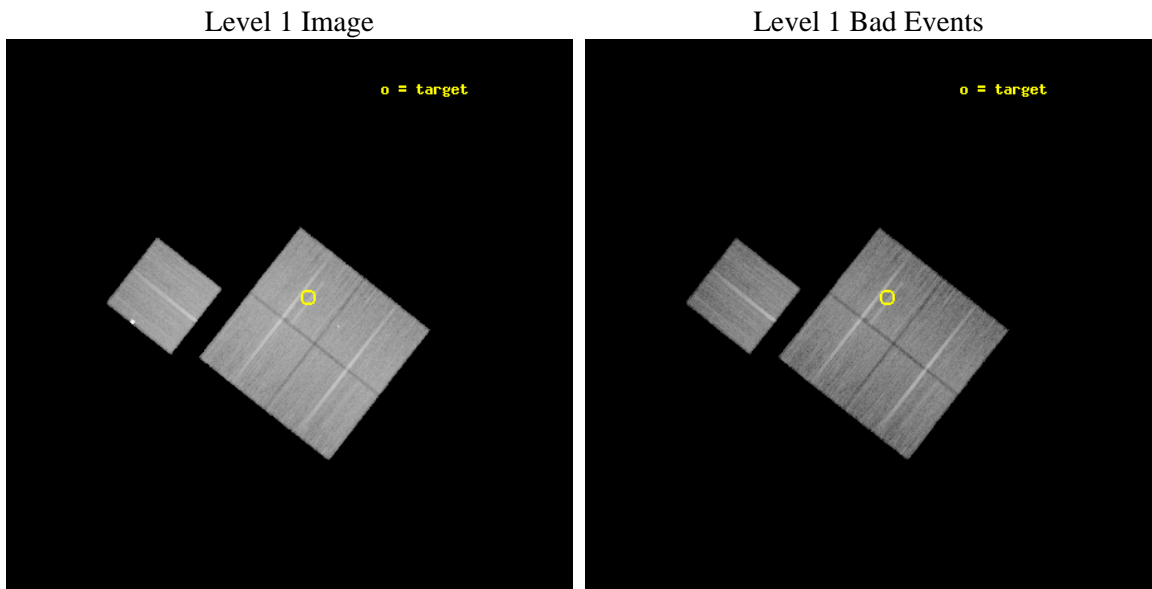
seq_num	801014	Sequence number
obs_id	12309	Observation id
title	The X-ray Properties of Weak-Lensing Selected Galaxy Clusters	Prop
observer	MR Paul Giles	Principal investigator
object	SLJ1634.1+5639	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.55	Observer's specified target RA [deg]
dec_targ	56.66	Observer's specified target Dec [deg]
ra_nom	248.6083753296	Nominal RA [deg]
dec_nom	56.616067782249	Nominal Dec [deg]
roll_nom	308.15994265147	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29050.100223422	Sum of GTIs [s]
livetime	28670.53927763	Livetime [s]
ontime0	29050.100223422	Sum of GTIs [s]
ontime1	29040.677412093	Sum of GTIs [s]
ontime2	29046.959233224	Sum of GTIs [s]
ontime3	29050.100223422	Sum of GTIs [s]
ontime6	29046.959263086	Sum of GTIs [s]
l2events	97734	Number of level 2 events



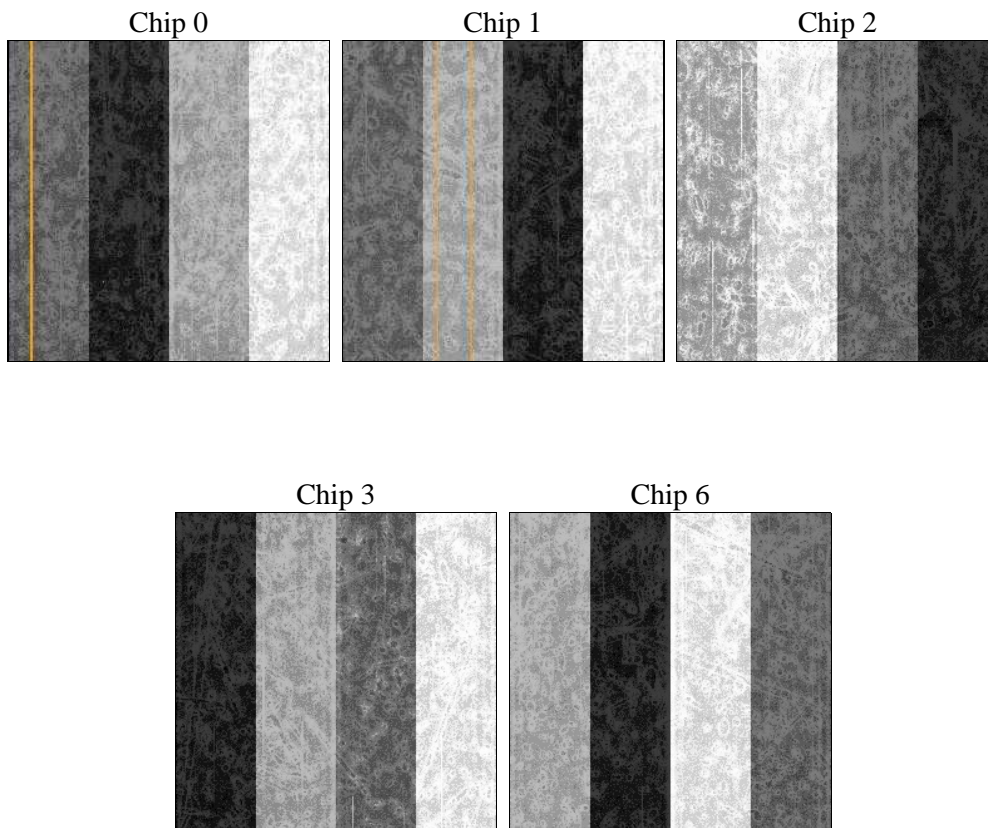
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29050.100223422	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	29050.100223422	Sum of GTIs [s]
date	2012-07-04T18:27:01	Date and time of file creation	ontime1	29040.677412093	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	29046.959233224	Sum of GTIs [s]
			ontime3	29050.100223422	Sum of GTIs [s]
			ontime6	29046.959263086	Sum of GTIs [s]
			l1events	1027986	Number of level 1 events

2.1.4 Events

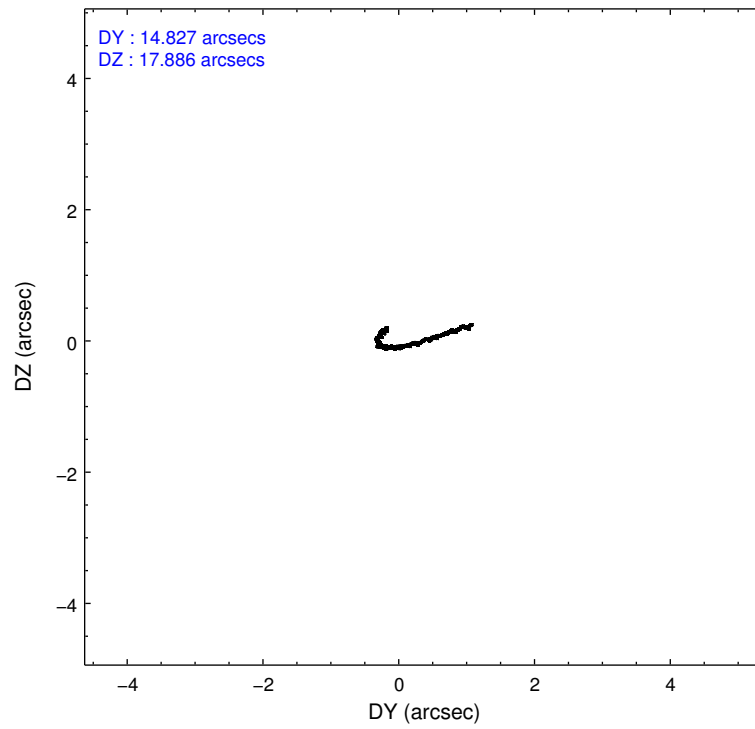
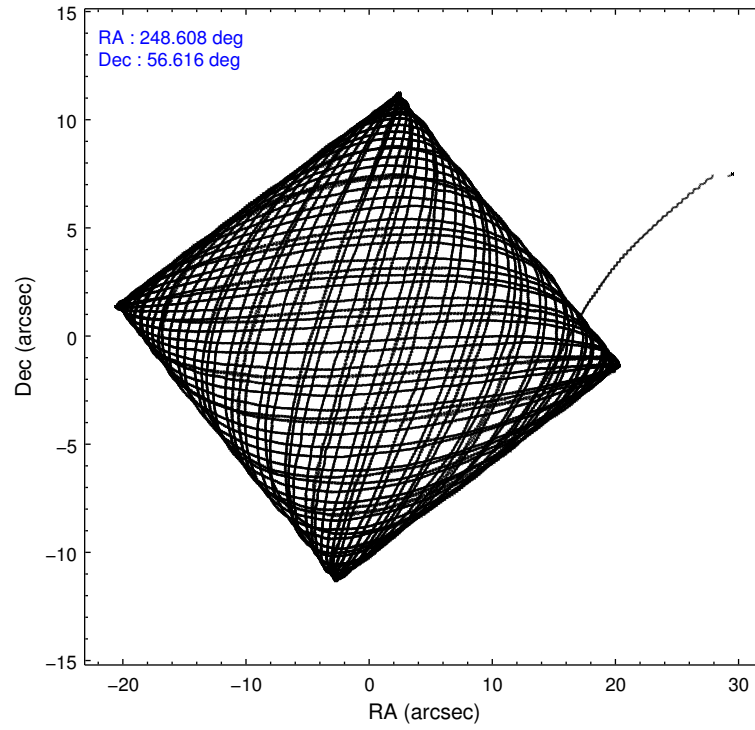
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	192797	197793	211196	209438	216762
rejected events	169889	171035	188726	188075	184693
rejected %	88%	86%	89%	89%	85%

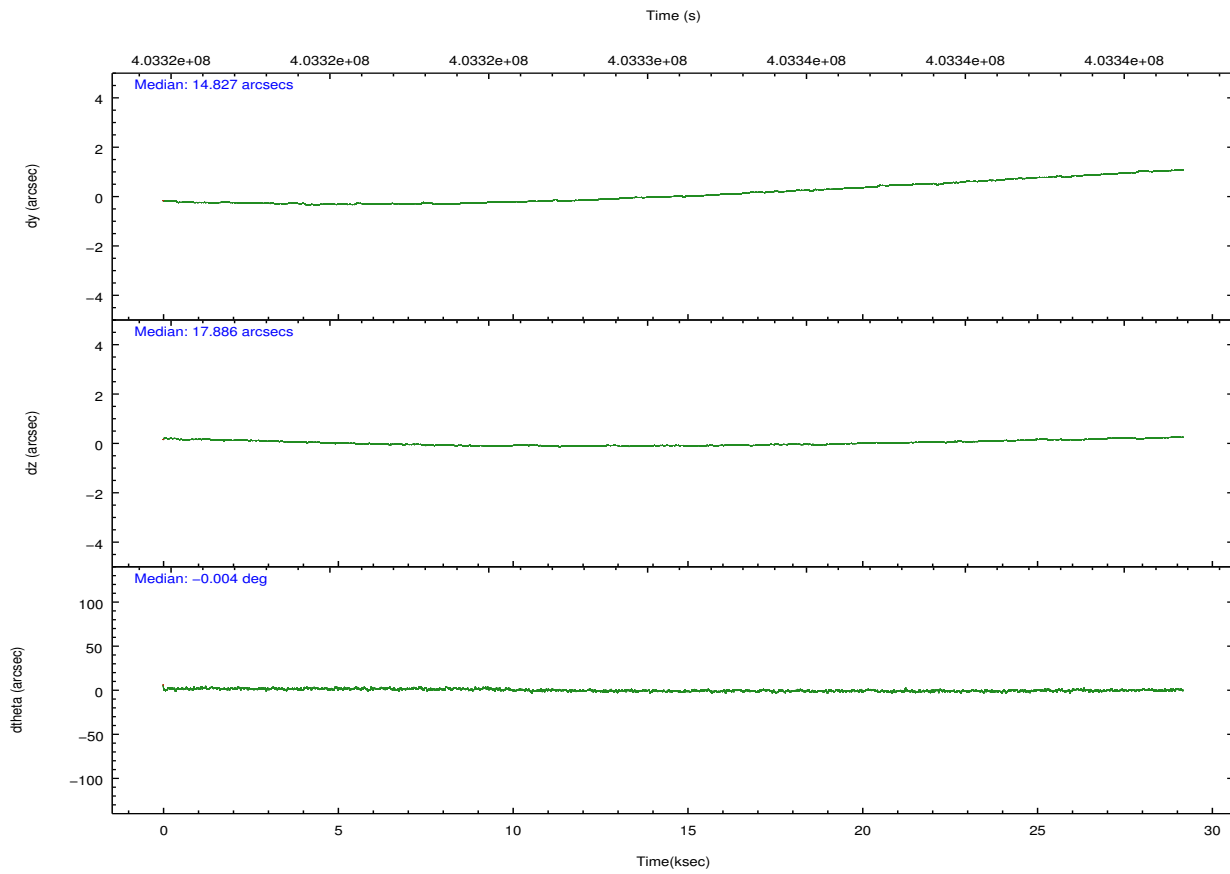
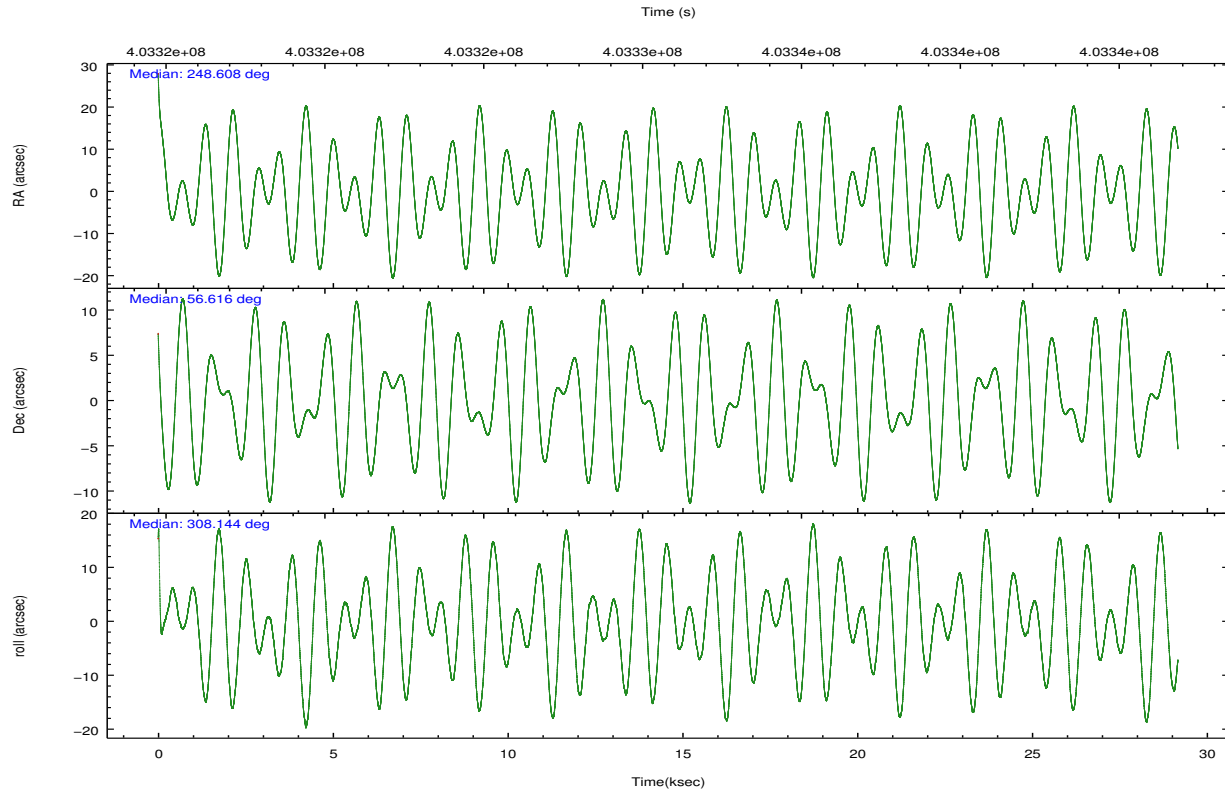
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7868	9863	7959	7329	7950
	4%	4%	3%	3%	3%
grade 1 events	121	111	124	117	107
	0%	0%	0%	0%	0%
grade 2 events	5828	6331	5452	4917	14144
	3%	3%	2%	2%	6%
grade 3 events	2453	2667	2303	2454	2461
	1%	1%	1%	1%	1%
grade 4 events	2254	2628	2396	2352	2352
	1%	1%	1%	1%	1%
grade 5 events	8662	9359	8369	9711	9375
	4%	4%	3%	4%	4%
grade 6 events	4513	5277	4366	4313	5168
	2%	2%	2%	2%	2%
grade 7 events	161098	161557	180227	178245	175205
	83%	81%	85%	85%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	248.561867	248.6083753296033	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.626185	56.61606778224926	Alternating exposures requested	N	N
[deg] Pointing Roll	307.990080	308.1599426514741	[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	-225.792463	-225.7829997647864			
[mm] SIM translation stage offset	-7.8	-7.809453238143249			
[s] Observation start time (MET)	403316383.184000	403314695.50387			
Observation start date	2010-10-13T00:18:37	2010-10-12T23:51:35			
[s] Observation end time (MET)	403345383.184000	403346301.38049			
Observation end date	2010-10-13T08:21:57	2010-10-13T08:38:21			
Read mode	TIMED	TIMED			

2.3 Aspect



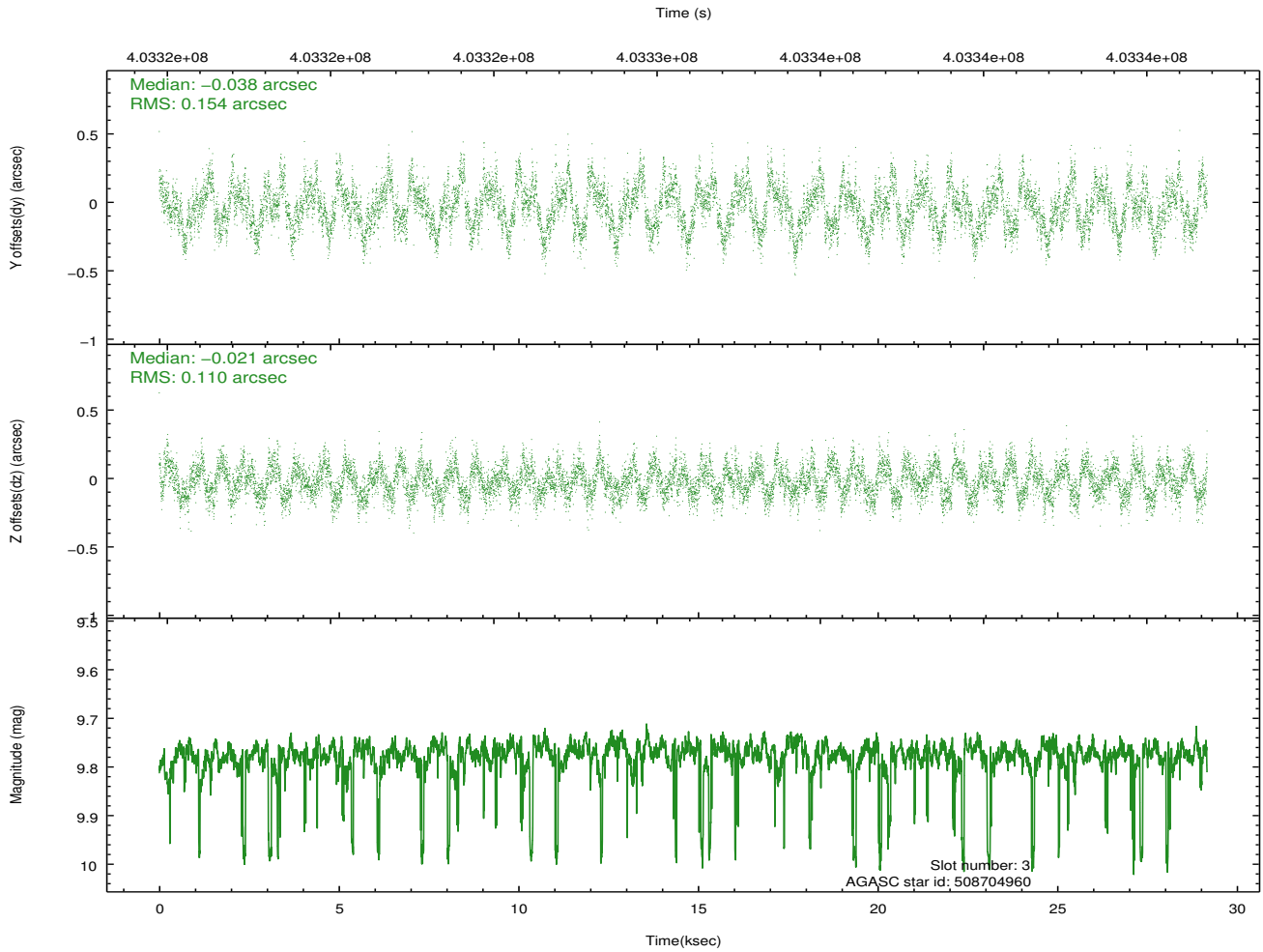
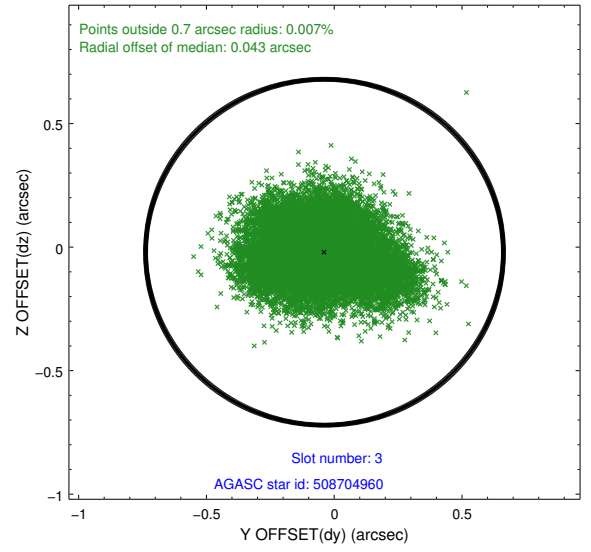
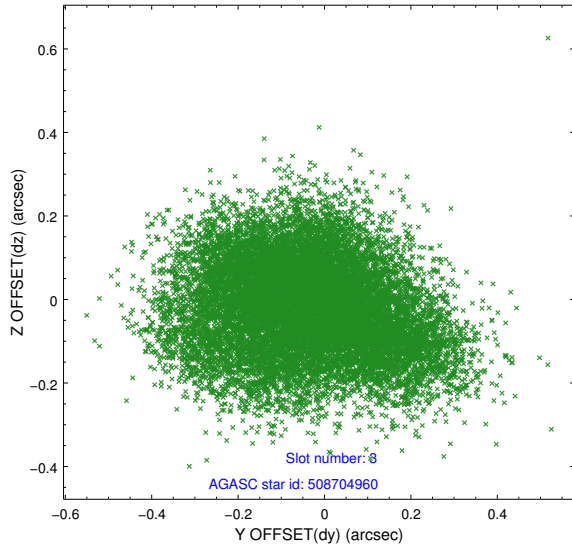


Slot Statistics

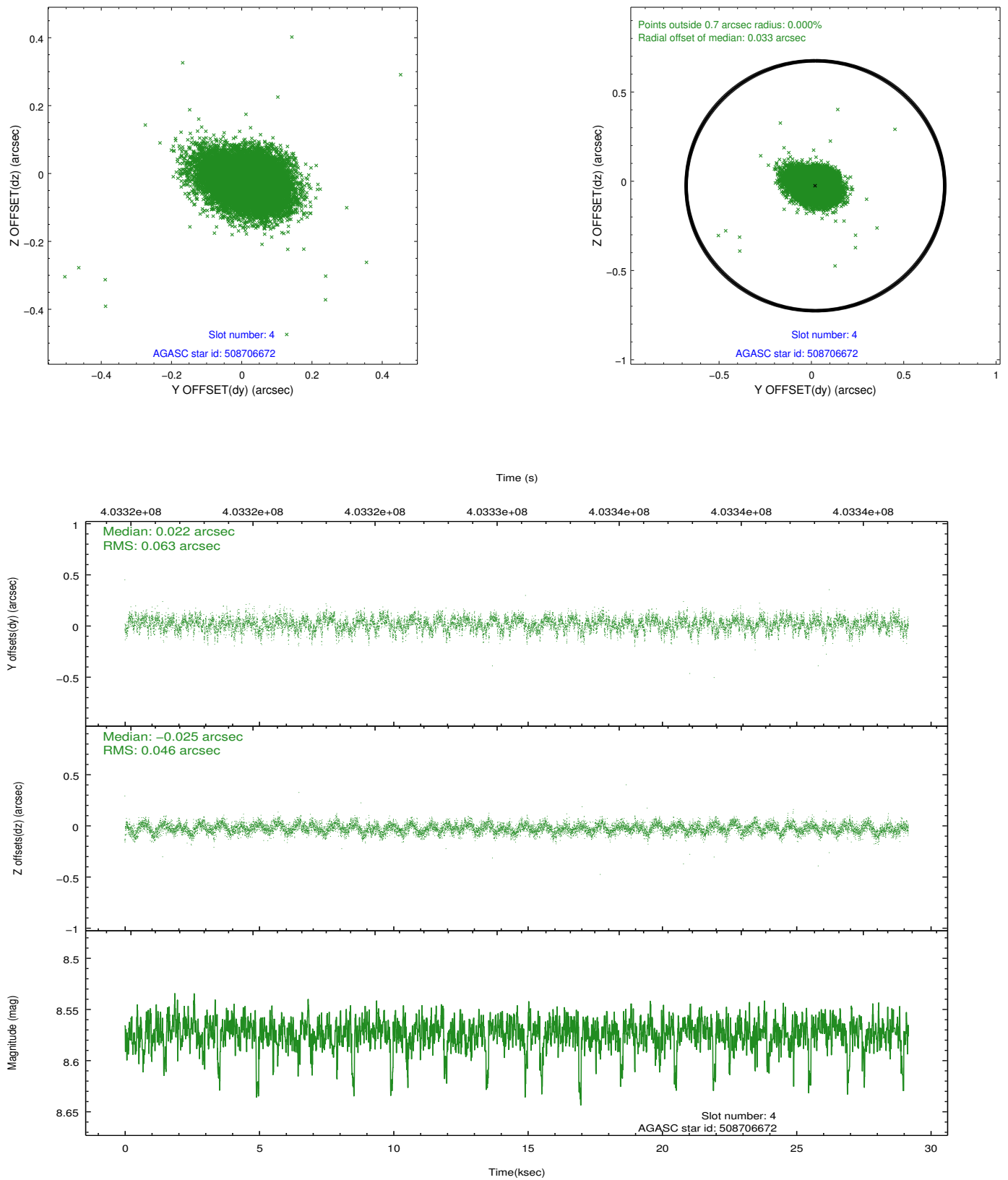
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	7114	0.095	-0.035	0.010	0.015	0.000000	0.000000	924.47	-1001.91
1	FID	ACIS-I-2	6.96	7114	-0.218	0.005	0.008	0.012	0.000000	0.000000	-770.30	-1007.39
2	FID	ACIS-I-4	6.92	7115	0.025	0.097	0.009	0.015	0.000000	0.000000	2143.74	898.99
3	GUIDE	508704960	9.78	14101	-0.038	-0.021	0.204	0.322	248.581863	55.874363	2158.59	-1633.77
4	GUIDE	508706672	8.57	14216	0.022	-0.025	0.080	0.137	248.347702	55.810023	2049.43	-2149.38
5	GUIDE	508708016	8.57	14224	-0.022	-0.034	0.068	0.111	248.792116	56.018743	2008.58	-980.24
6	GUIDE	508827240	8.87	14215	-0.065	-0.175	0.098	0.158	249.041117	57.322909	-1402.75	2280.17
7	GUIDE	508698304	9.43	14158	0.105	0.252	0.133	0.210	247.263410	56.617642	-1577.54	-2031.05

2.4 Star Slots

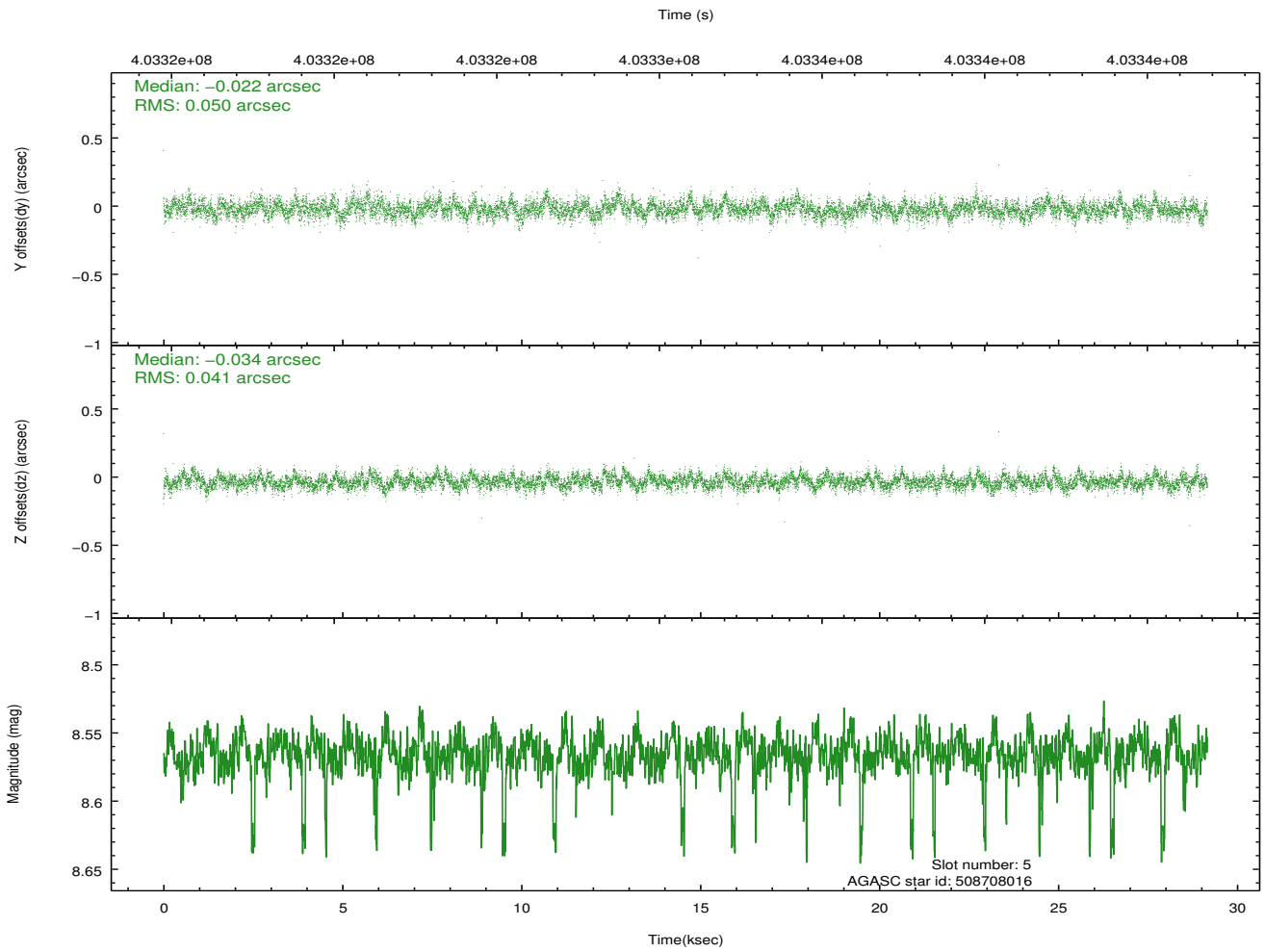
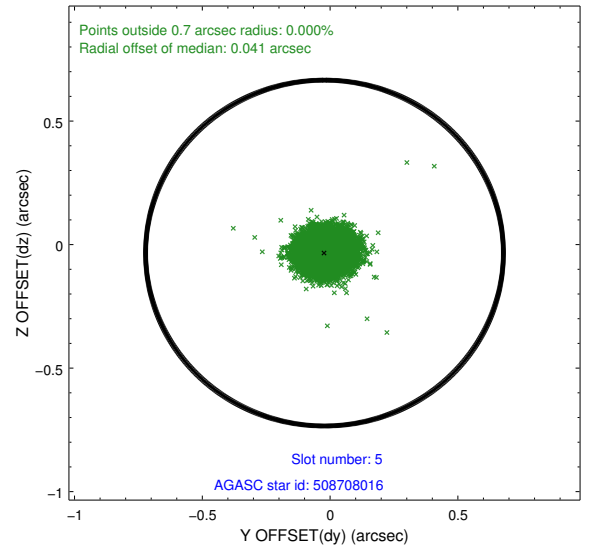
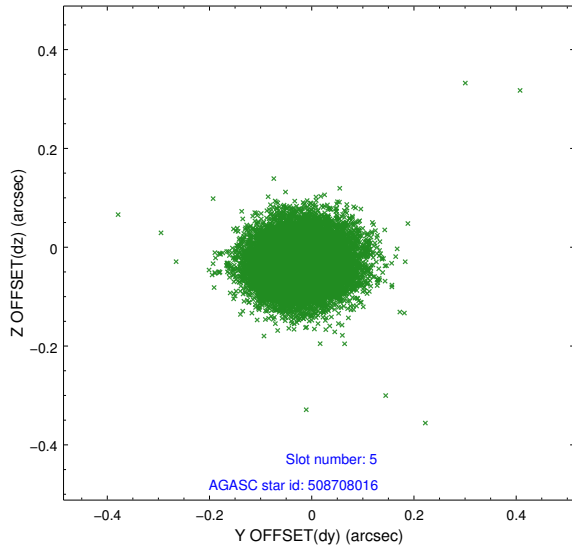
2.4.1 Slot 3



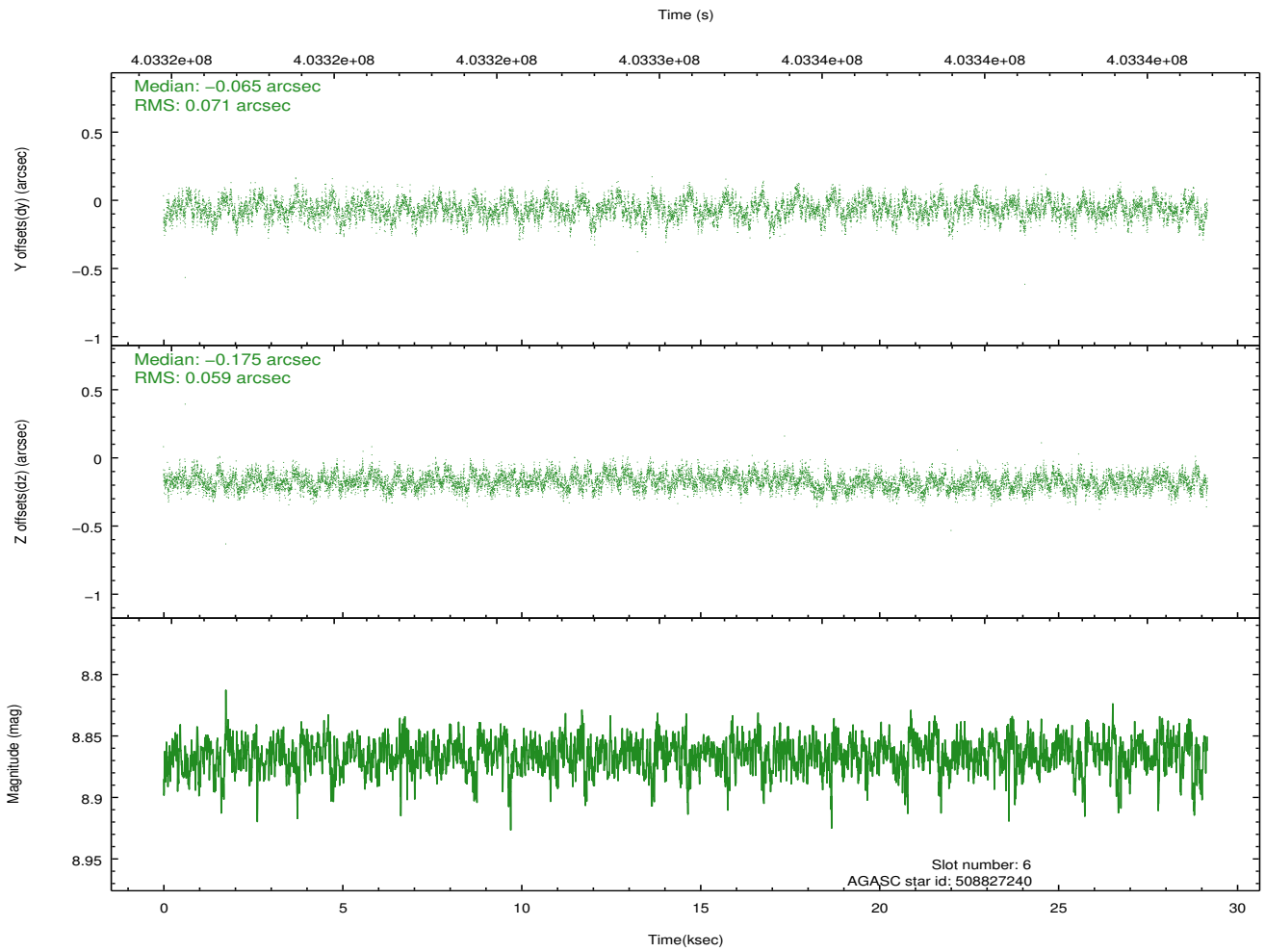
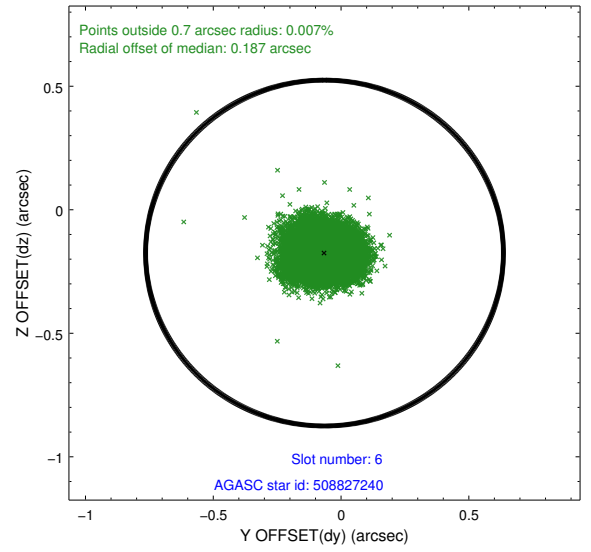
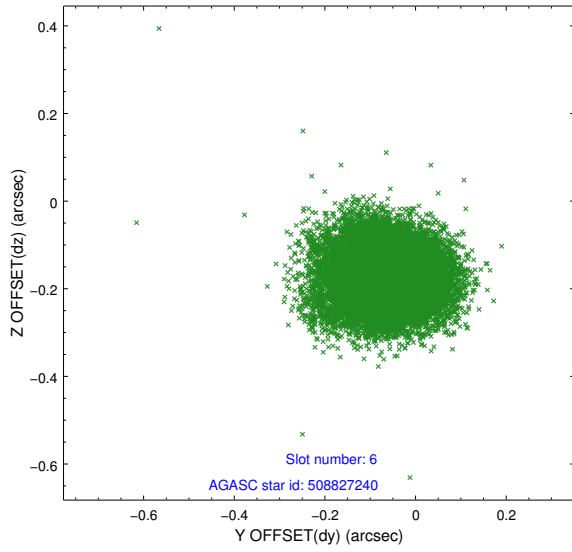
2.4.2 Slot 4



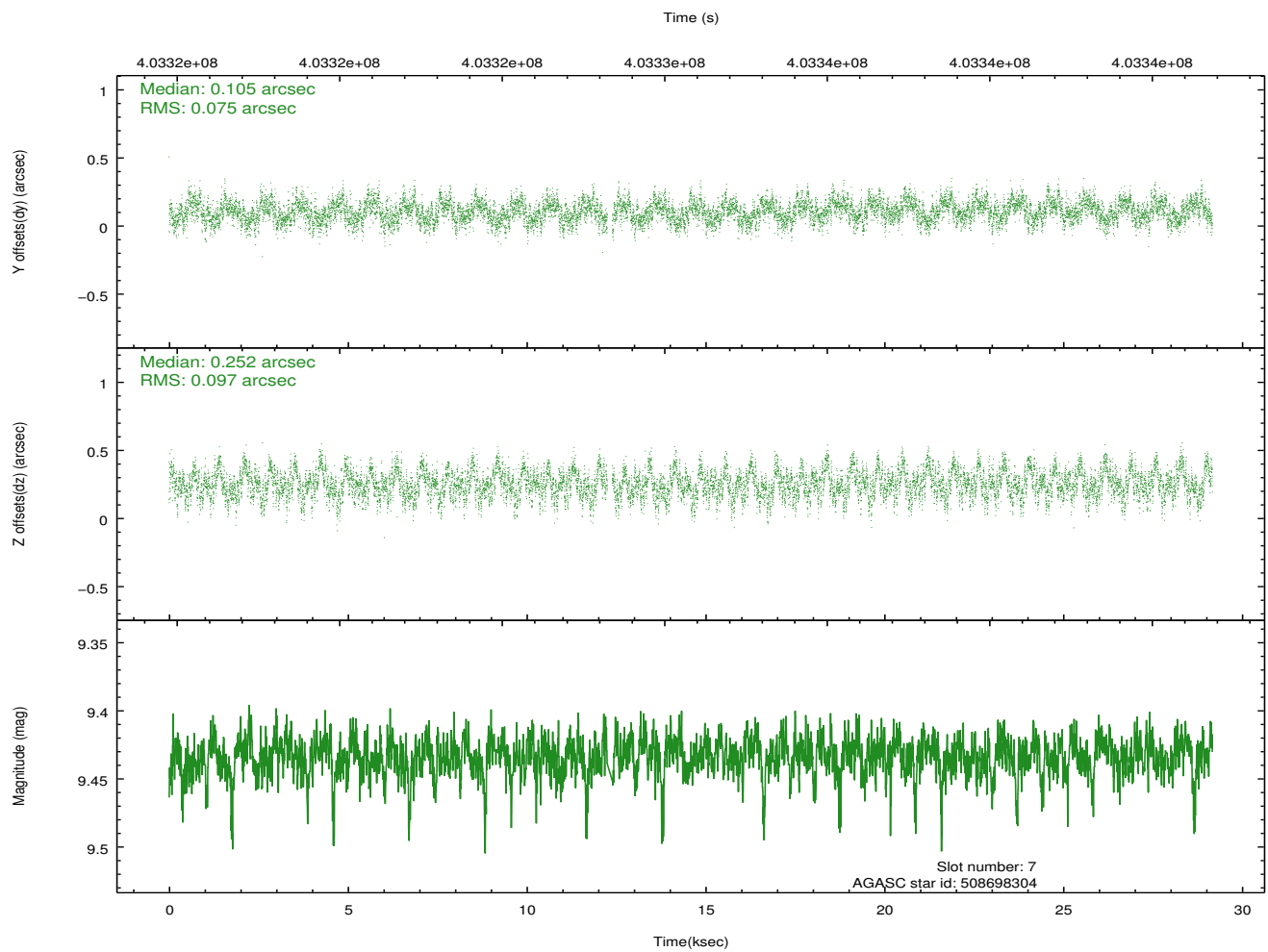
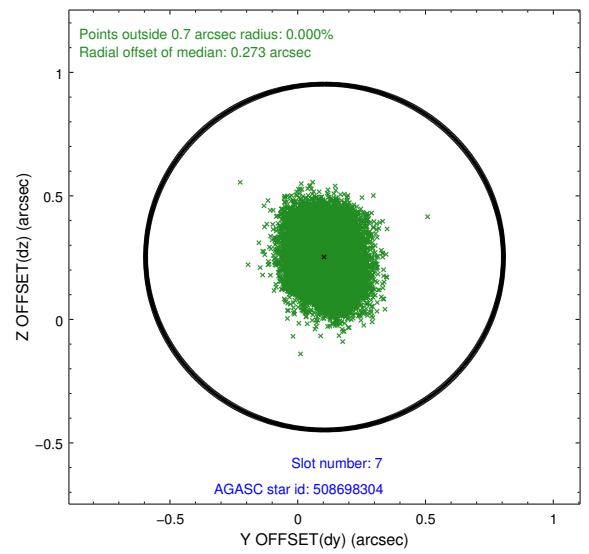
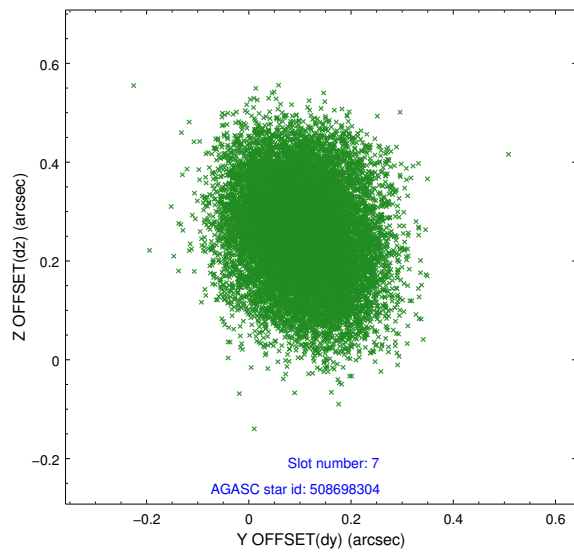
2.4.3 Slot 5



2.4.4 Slot 6

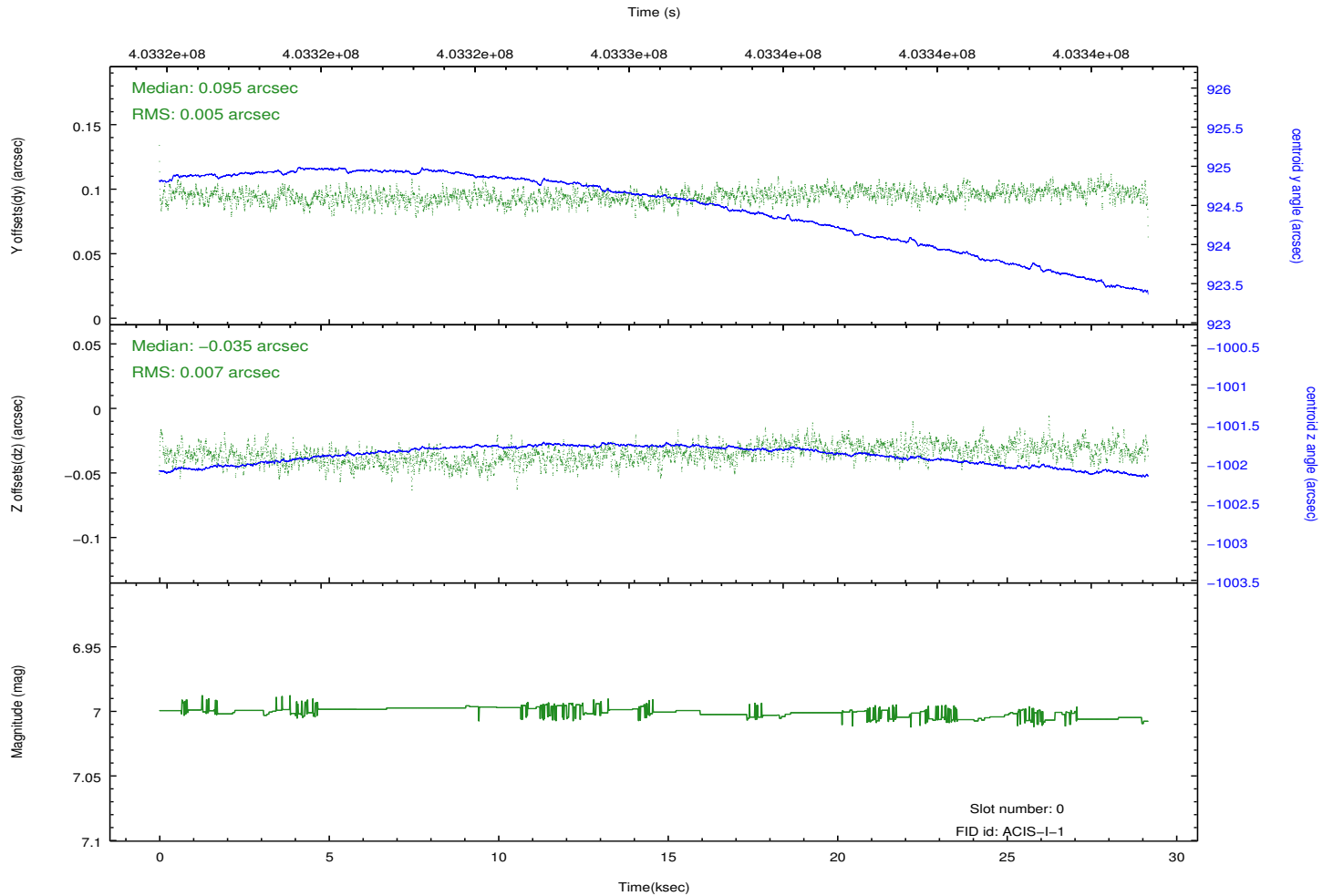
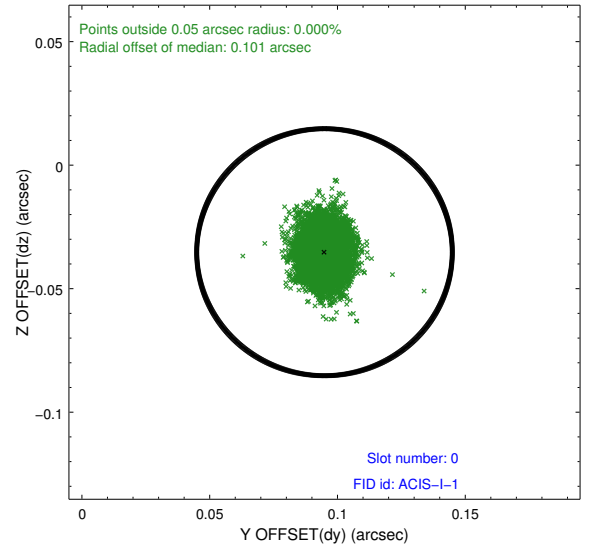
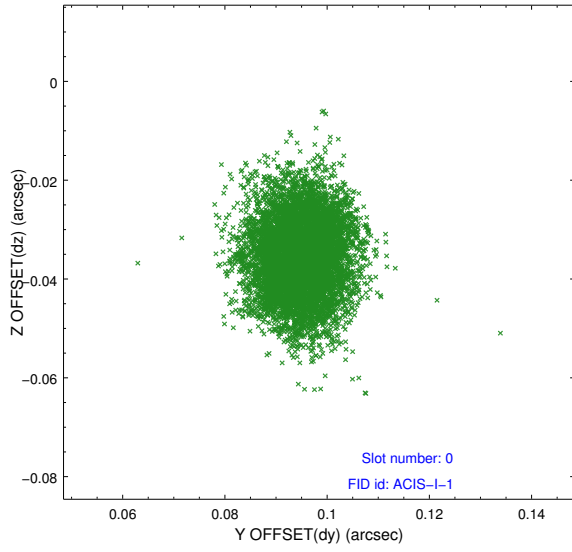


2.4.5 Slot 7

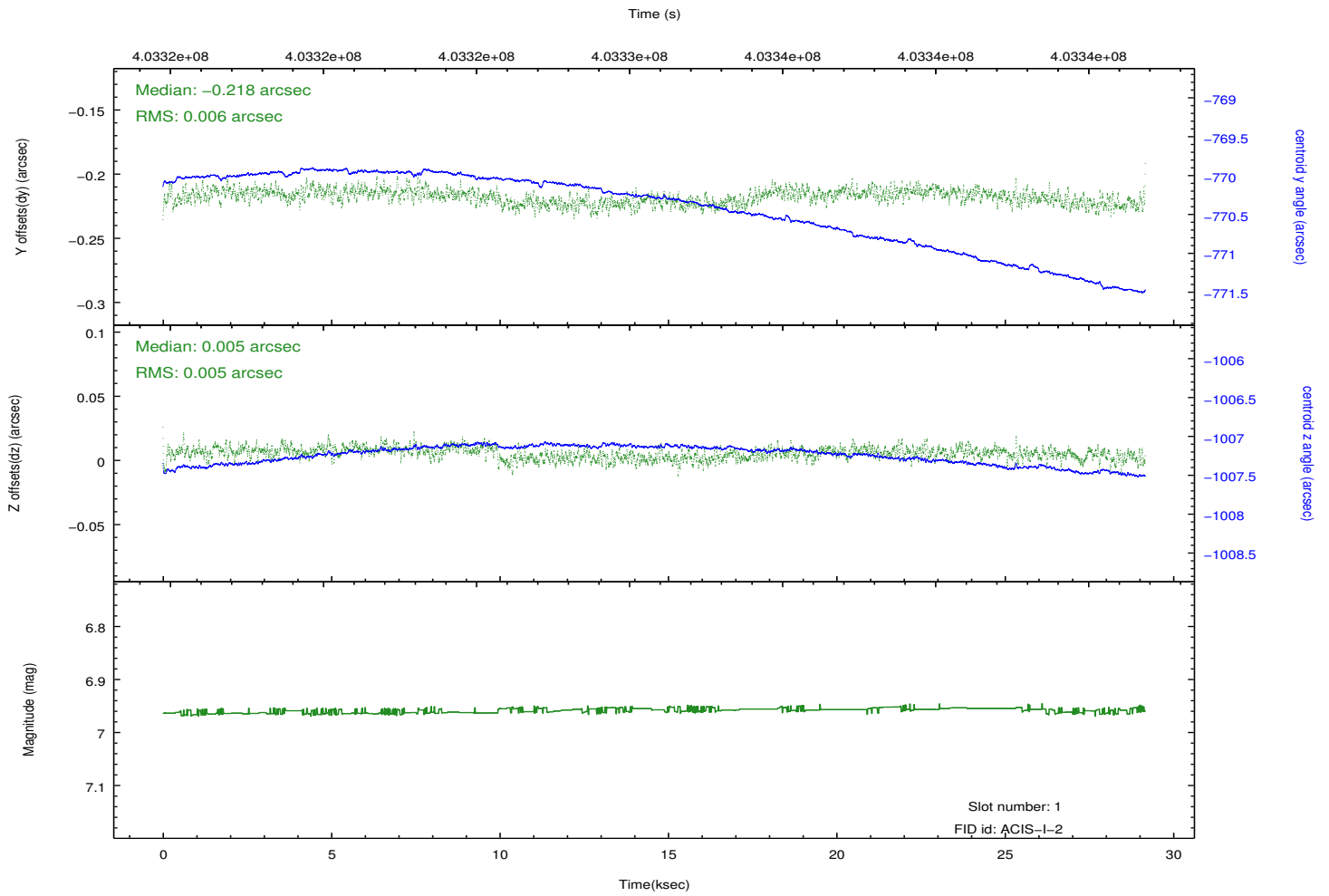
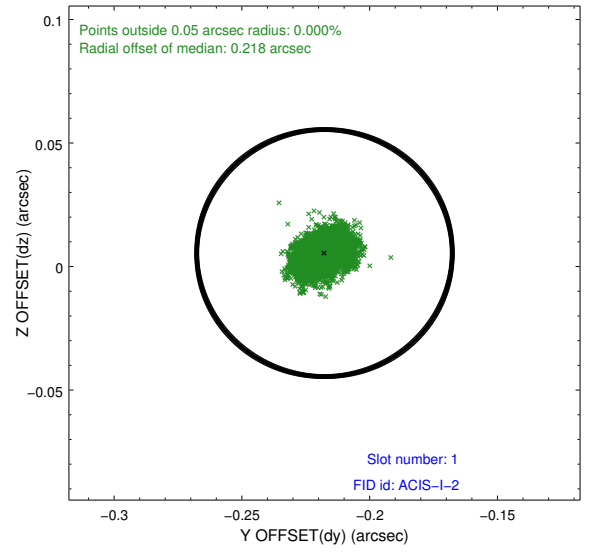
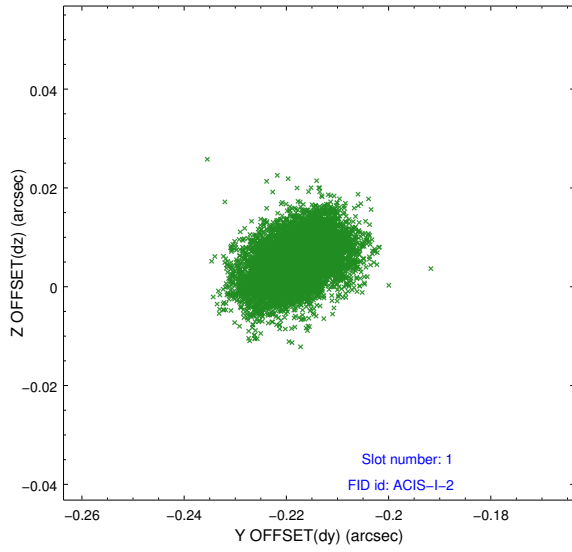


2.5 FID Slots

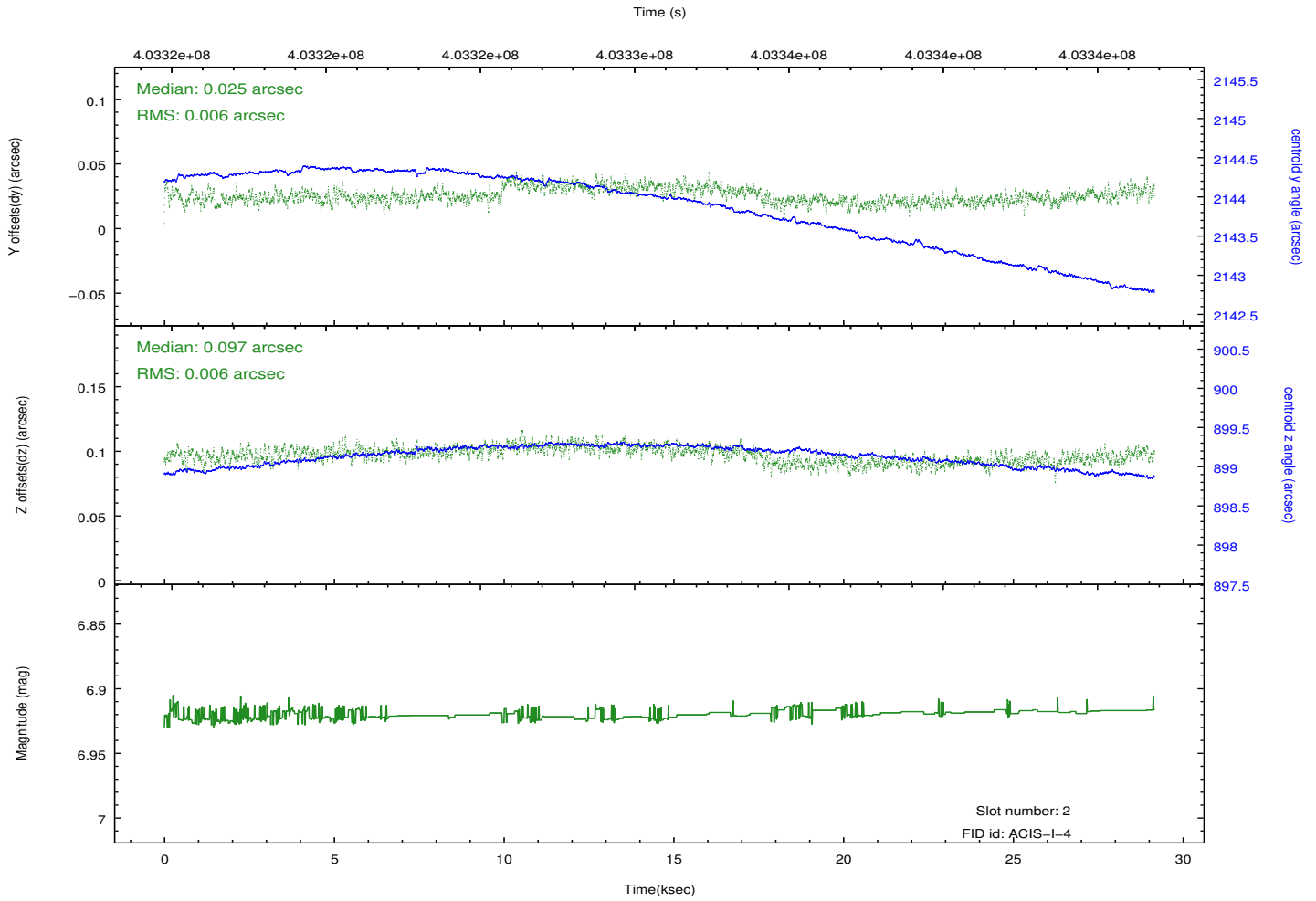
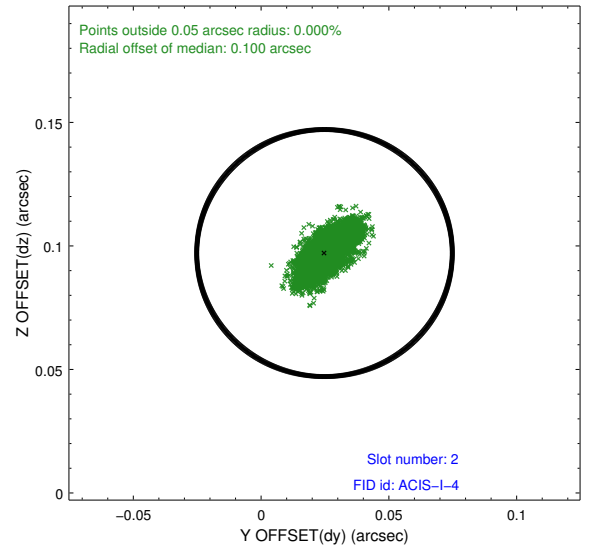
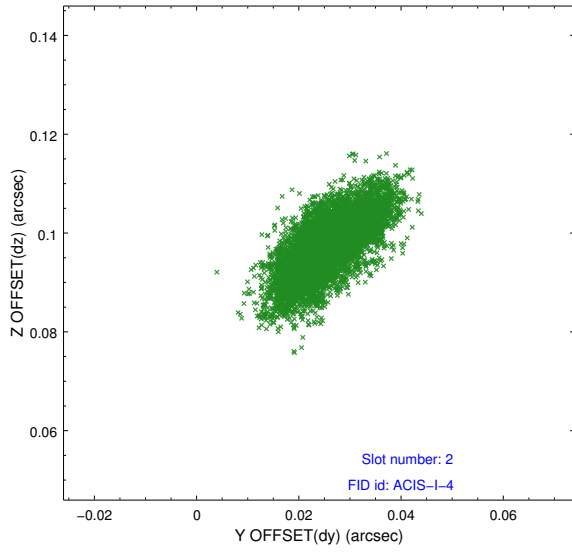
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.050100223422

A.2 Comments