

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8456 - L2 Version 2
Chandra X-Ray Center

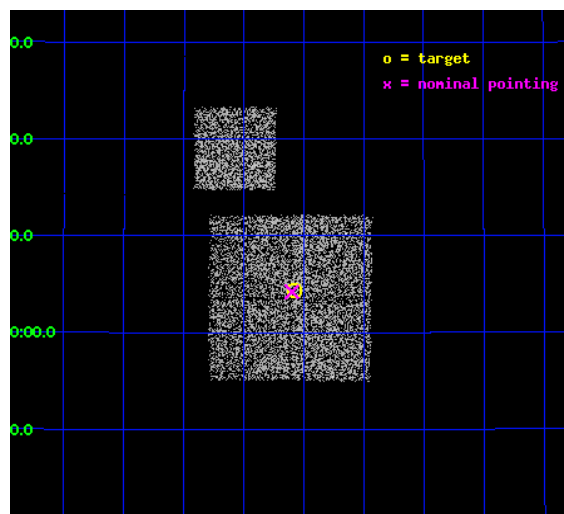
L2 Processing Date : Apr 12 2012

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1 Front

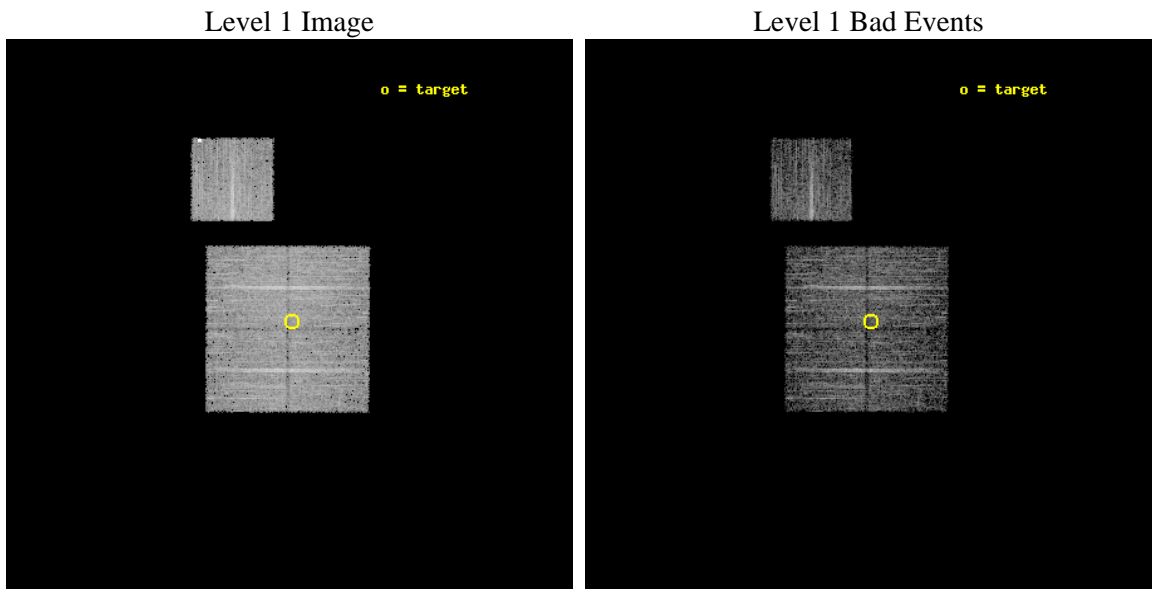
seq_num	900736	Sequence number
obs_id	8456	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (B)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	Bootes2 2B	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.5198	Observer's specified target RA [deg]
dec_targ	33.072125	Observer's specified target Dec [deg]
ra_nom	216.52490251853	Nominal RA [deg]
dec_nom	33.070355056076	Nominal Dec [deg]
roll_nom	0.20593558509488	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5146.0000395775	Sum of GTIs [s]
livetime	5078.7637606303	Livetime [s]
ontime0	5146.0000395775	Sum of GTIs [s]
ontime1	5142.8590293527	Sum of GTIs [s]
ontime2	5146.0000395775	Sum of GTIs [s]
ontime3	5146.0000395775	Sum of GTIs [s]
ontime6	5146.0000395775	Sum of GTIs [s]
l2events	14865	Number of level 2 events



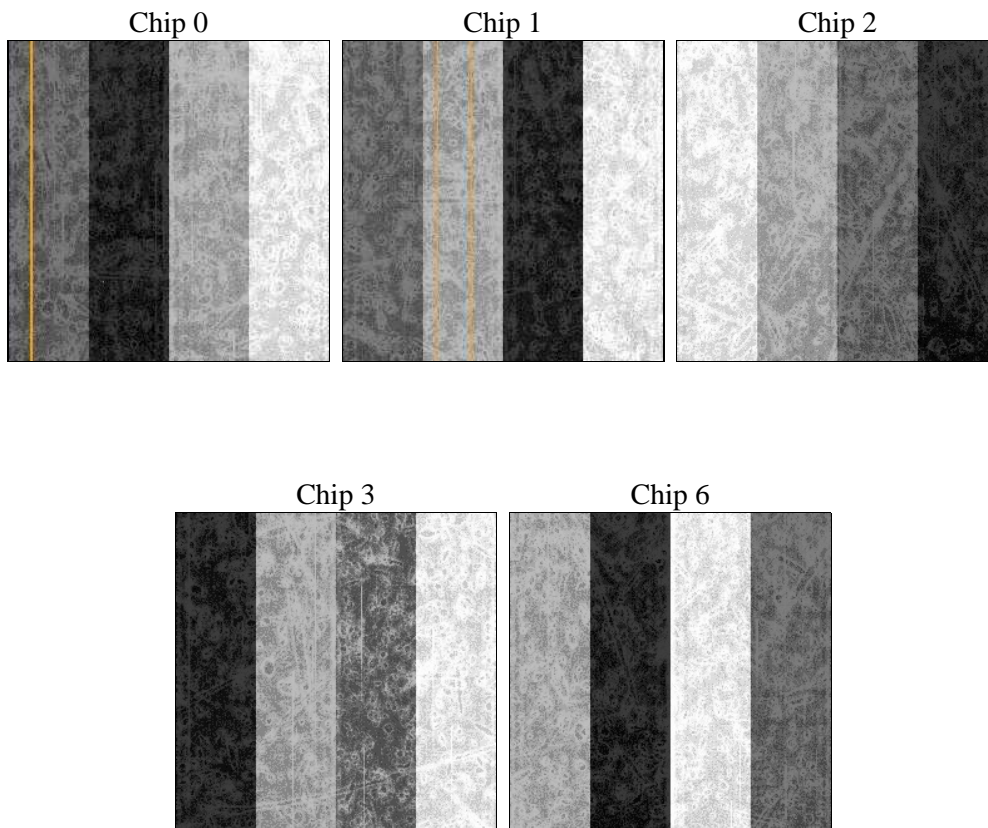
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5146.0000395775	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5146.0000395775	Sum of GTIs [s]
date	2012-04-12T23:22:37	Date and time of file creation	ontime1	5142.8590293527	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5146.0000395775	Sum of GTIs [s]
			ontime3	5146.0000395775	Sum of GTIs [s]
			ontime6	5146.0000395775	Sum of GTIs [s]
			l1events	201167	Number of level 1 events

2.1.4 Events

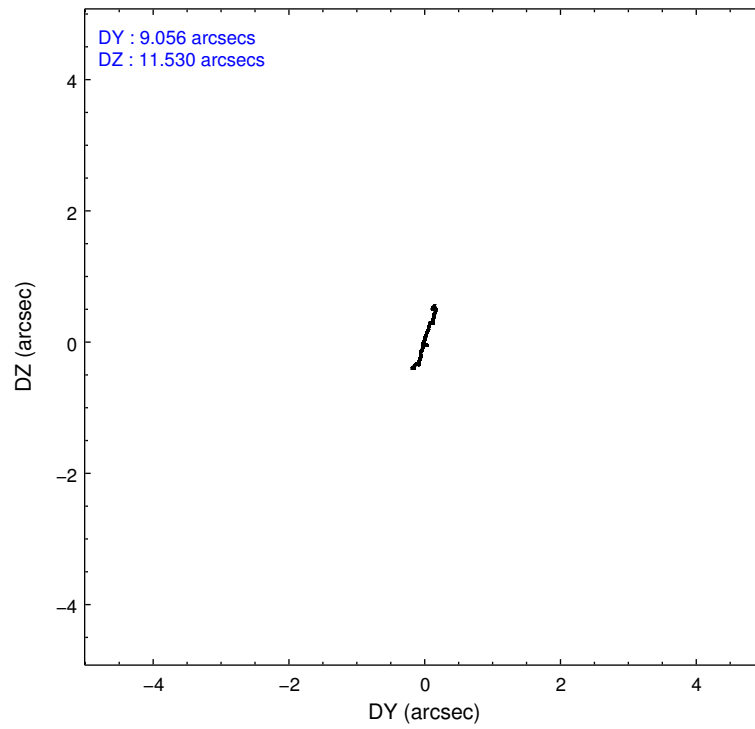
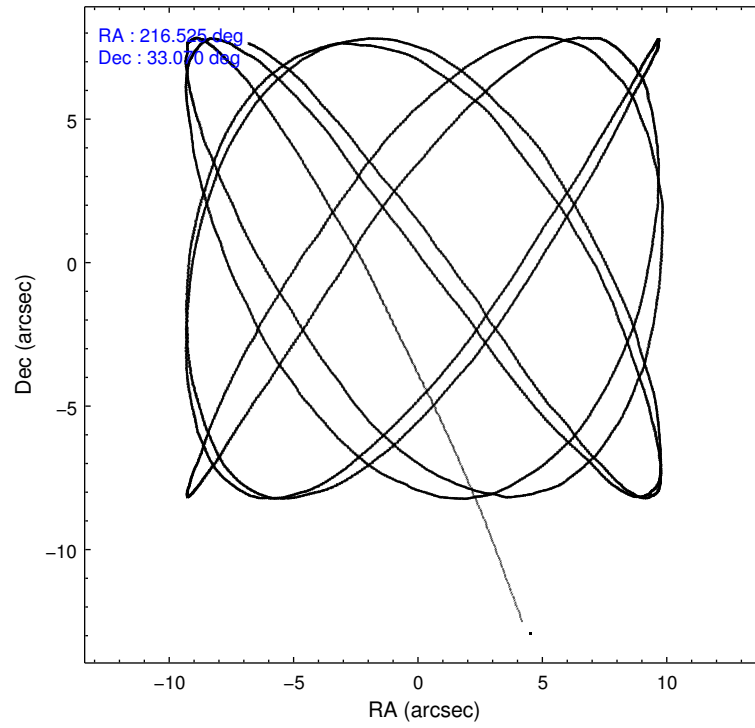
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	38800	35552	43263	41251	42301
rejected events	35146	31668	39938	37793	36904
rejected %	90%	89%	92%	91%	87%

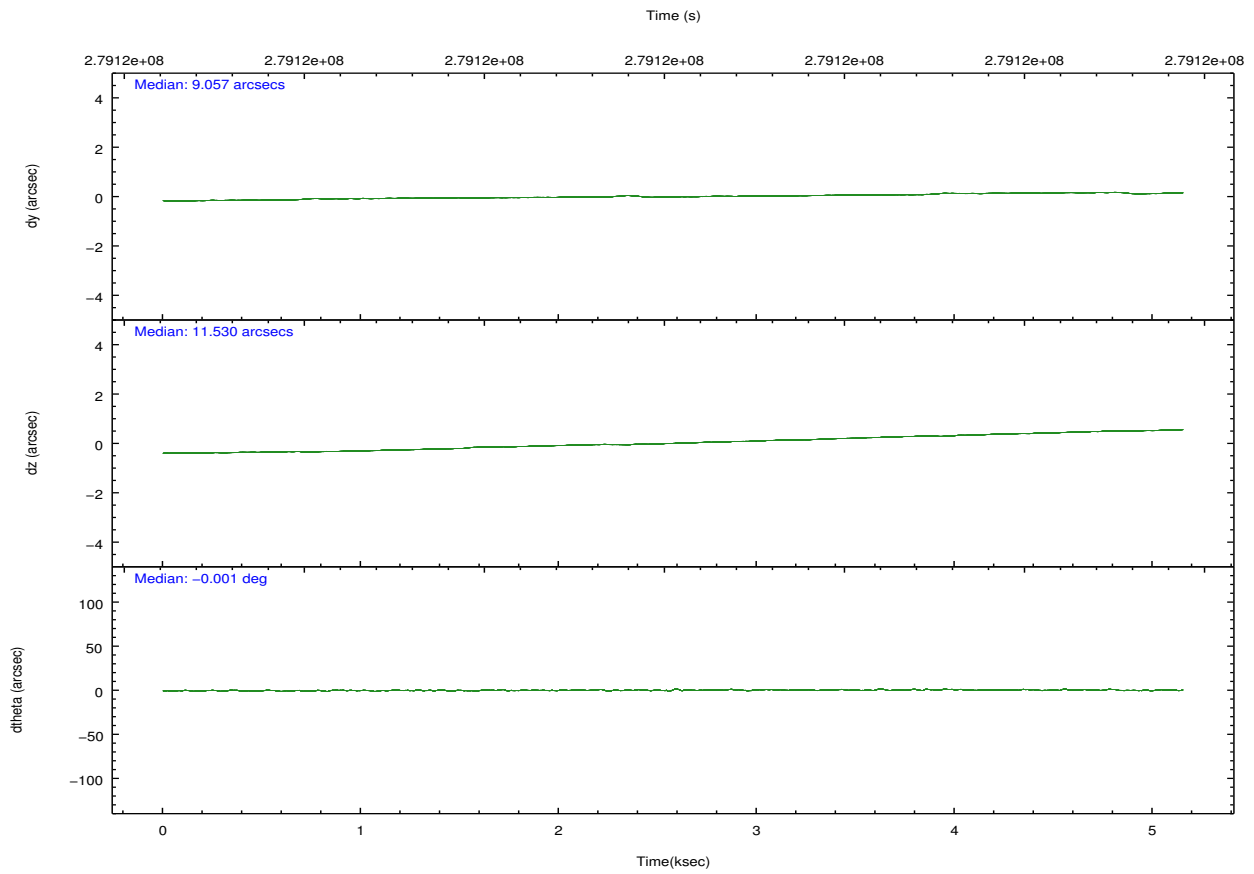
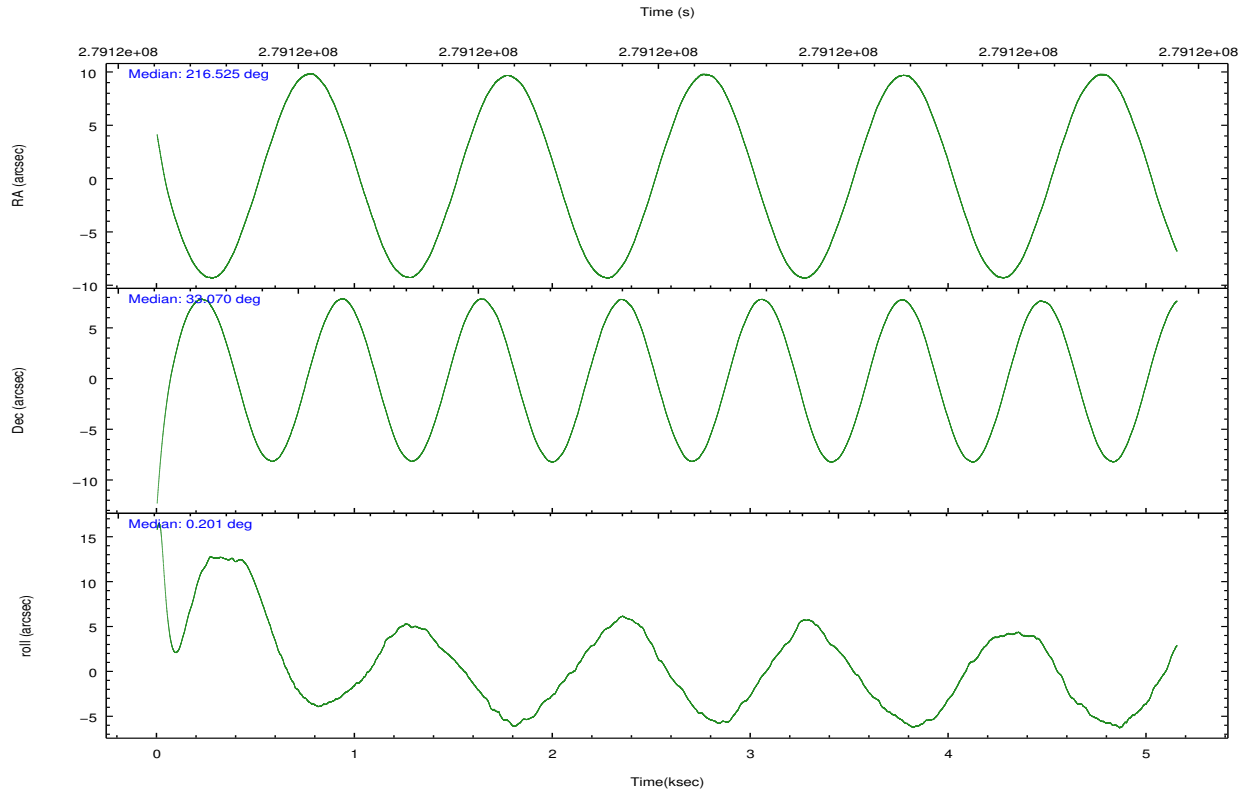
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1417	1448	1317	1368	1431
	3%	4%	3%	3%	3%
grade 1 events	15	18	19	20	25
	0%	0%	0%	0%	0%
grade 2 events	919	874	848	793	2630
	2%	2%	1%	1%	6%
grade 3 events	449	503	379	413	411
	1%	1%	0%	1%	0%
grade 4 events	407	454	415	430	465
	1%	1%	0%	1%	1%
grade 5 events	1171	1310	1051	1384	1326
	3%	3%	2%	3%	3%
grade 6 events	671	826	621	672	808
	1%	2%	1%	1%	1%
grade 7 events	33751	30119	38613	36171	35205
	86%	84%	89%	87%	83%

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	216.496737	216.5249025185263	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.056455	33.07035505607588	Alternating exposures requested	N	N
[deg] Pointing Roll	0.012579	0.2059355850948796	[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)	279117630.184000	279116483.57437			
Observation start date	2006-11-05T12:39:25	2006-11-05T12:21:23			
[s] Observation end time (MET)	279122630.184000	279123757.99971			
Observation end date	2006-11-05T14:02:45	2006-11-05T14:22:37			
Read mode	TIMED	TIMED			

2.3 Aspect



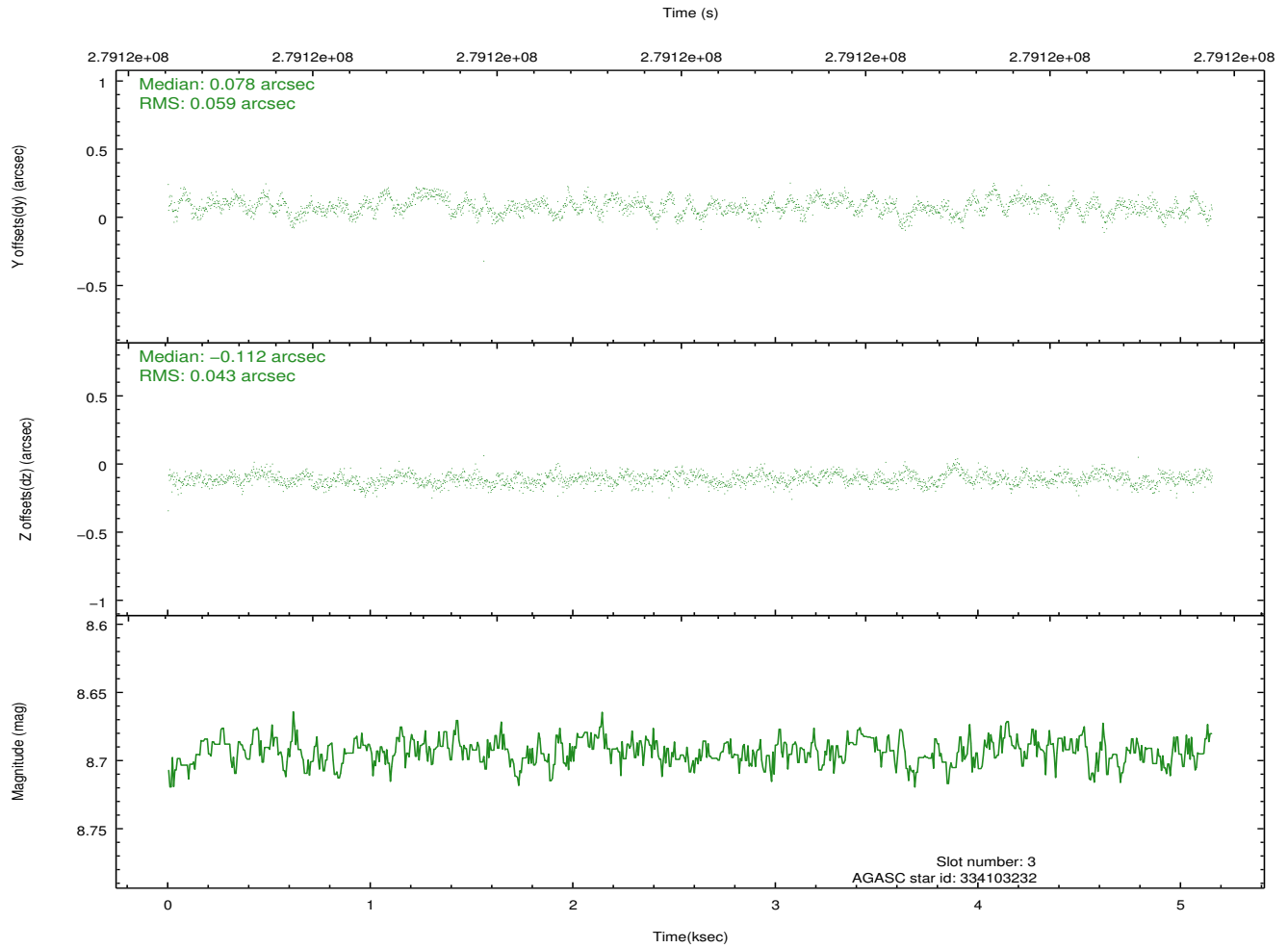
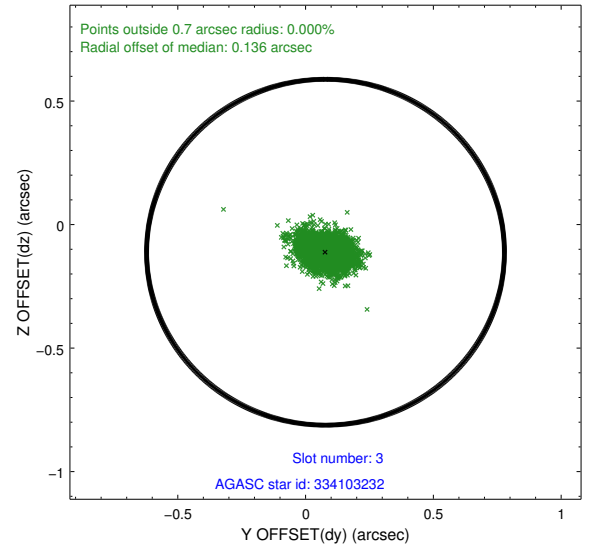
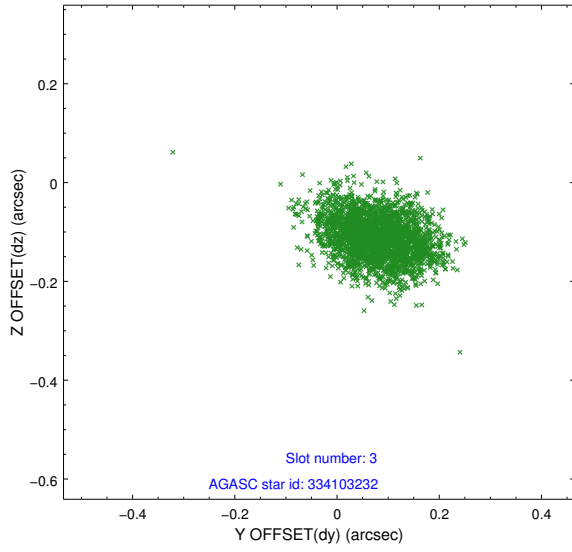


Slot Statistics

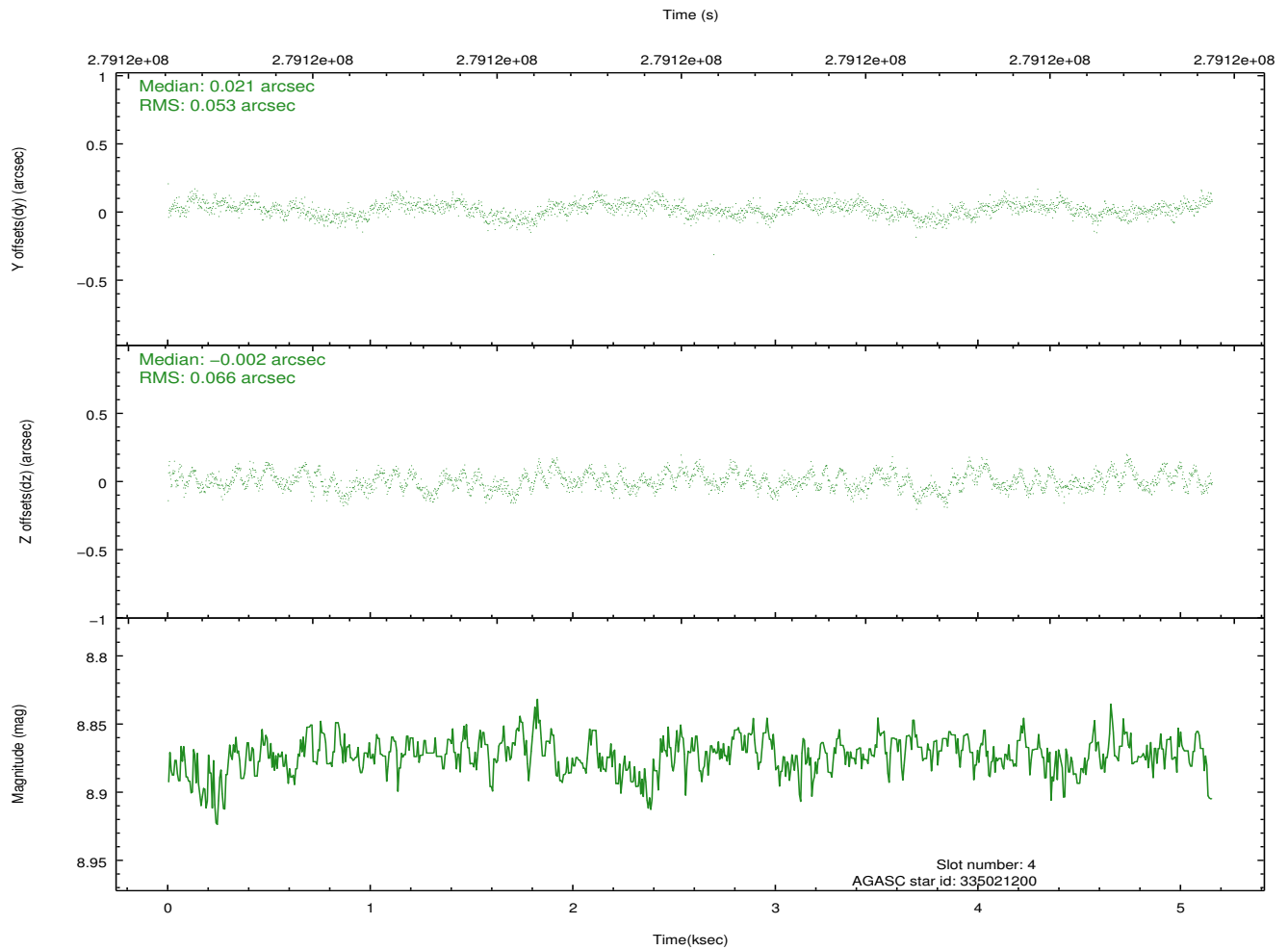
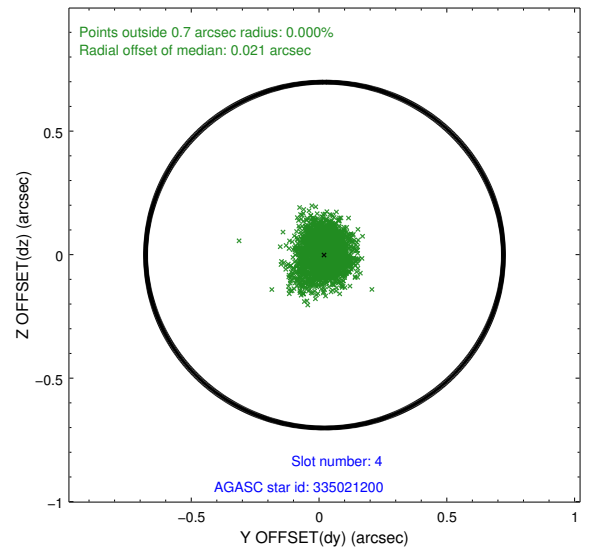
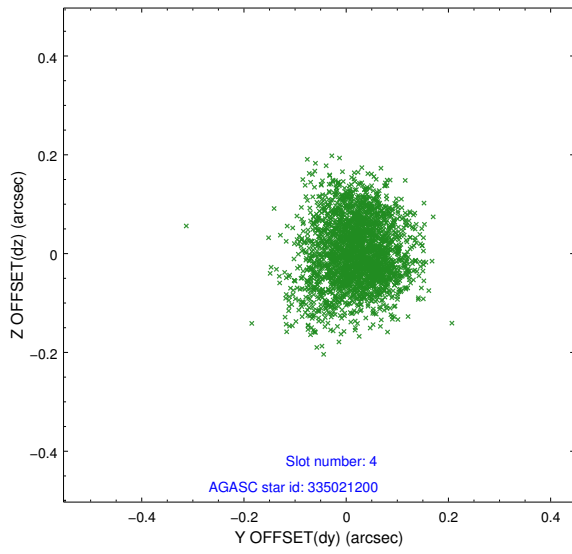
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1257	0.063	-0.044	0.009	0.013	0.000000	0.000000	930.61	-835.14
1	FID	ACIS-I-5	7.23	1258	-0.209	0.063	0.008	0.013	0.000000	0.000000	-1817.08	1061.93
2	FID	ACIS-I-6	7.25	1256	0.056	0.053	0.011	0.017	0.000000	0.000000	394.92	1707.71
3	GUIDE	334103232	8.69	2515	0.078	-0.112	0.077	0.125	215.850271	33.571936	-1938.35	1862.07
4	GUIDE	335021200	8.87	2514	0.021	-0.002	0.091	0.147	216.377257	32.627867	-363.17	-1541.68
5	GUIDE	335028240	9.15	2501	-0.115	0.084	0.085	0.142	216.746851	33.385009	751.78	1183.42
6	GUIDE	335029808	9.05	2515	-0.071	-0.189	0.088	0.137	216.789548	33.180488	882.89	448.13
7	GUIDE	333710328	9.29	2511	0.088	0.217	0.105	0.172	215.919797	32.382995	-1754.19	-2418.62

2.4 Star Slots

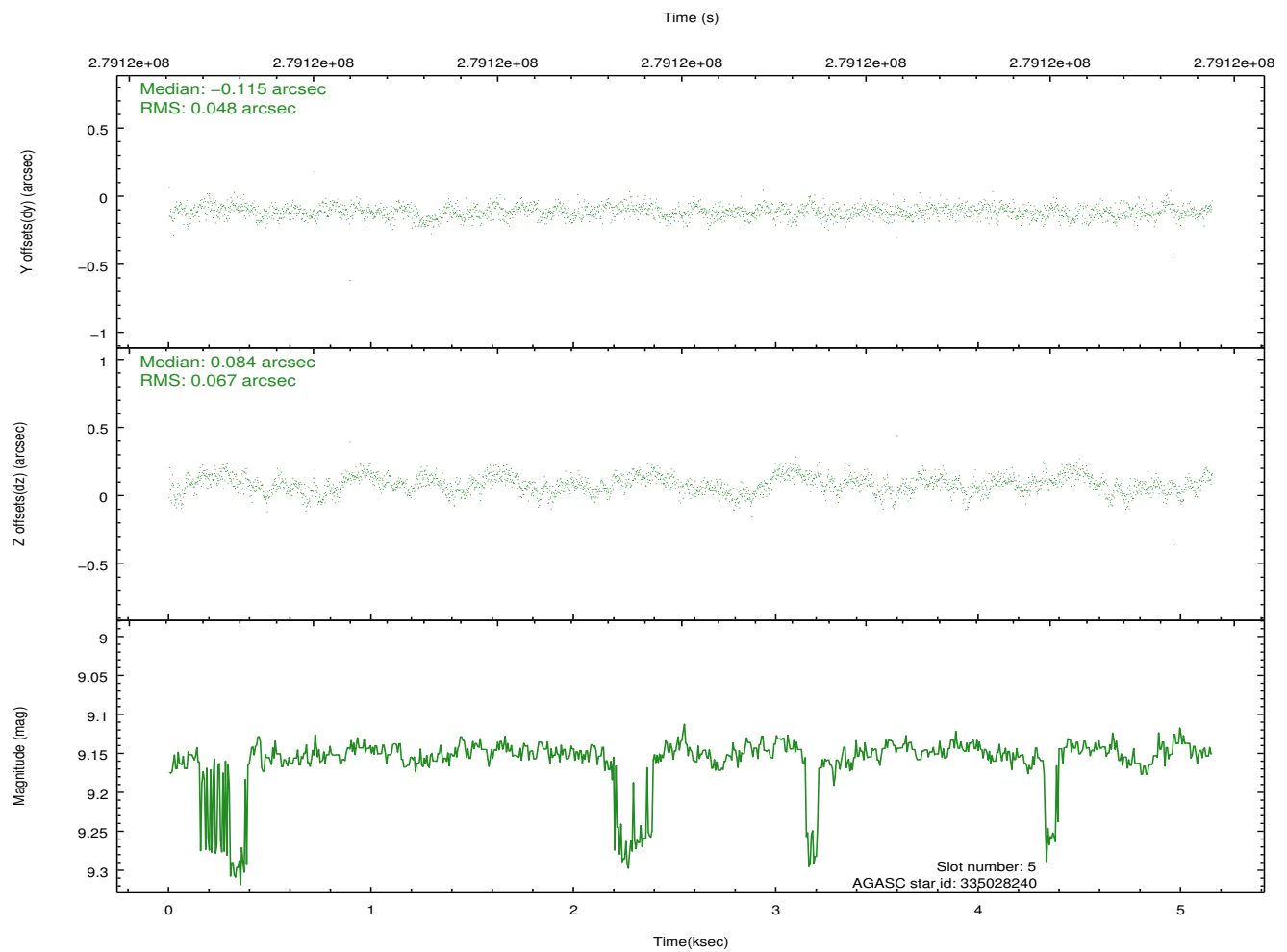
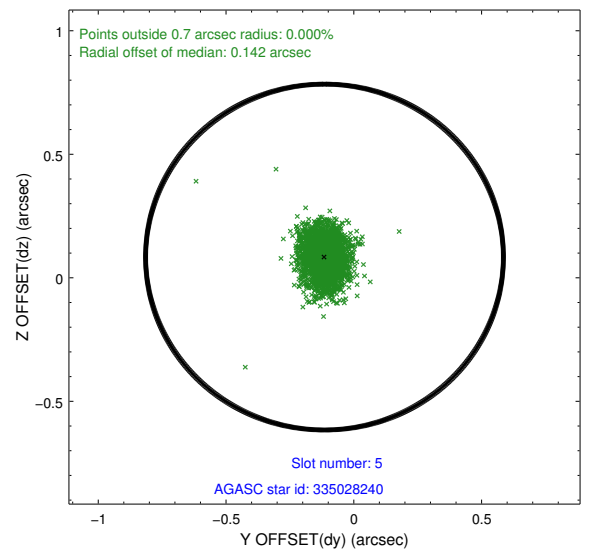
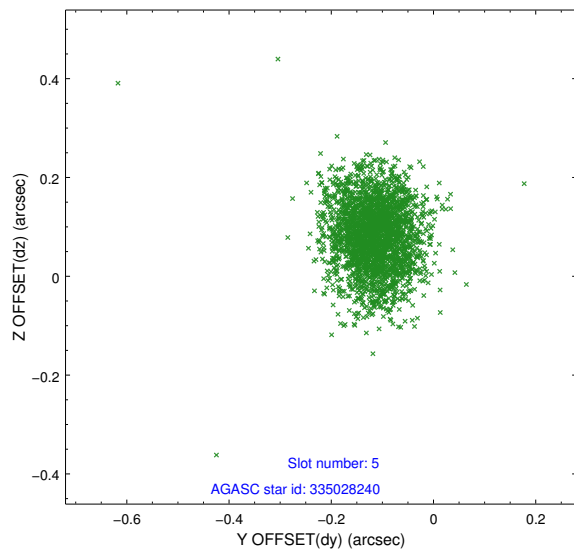
2.4.1 Slot 3



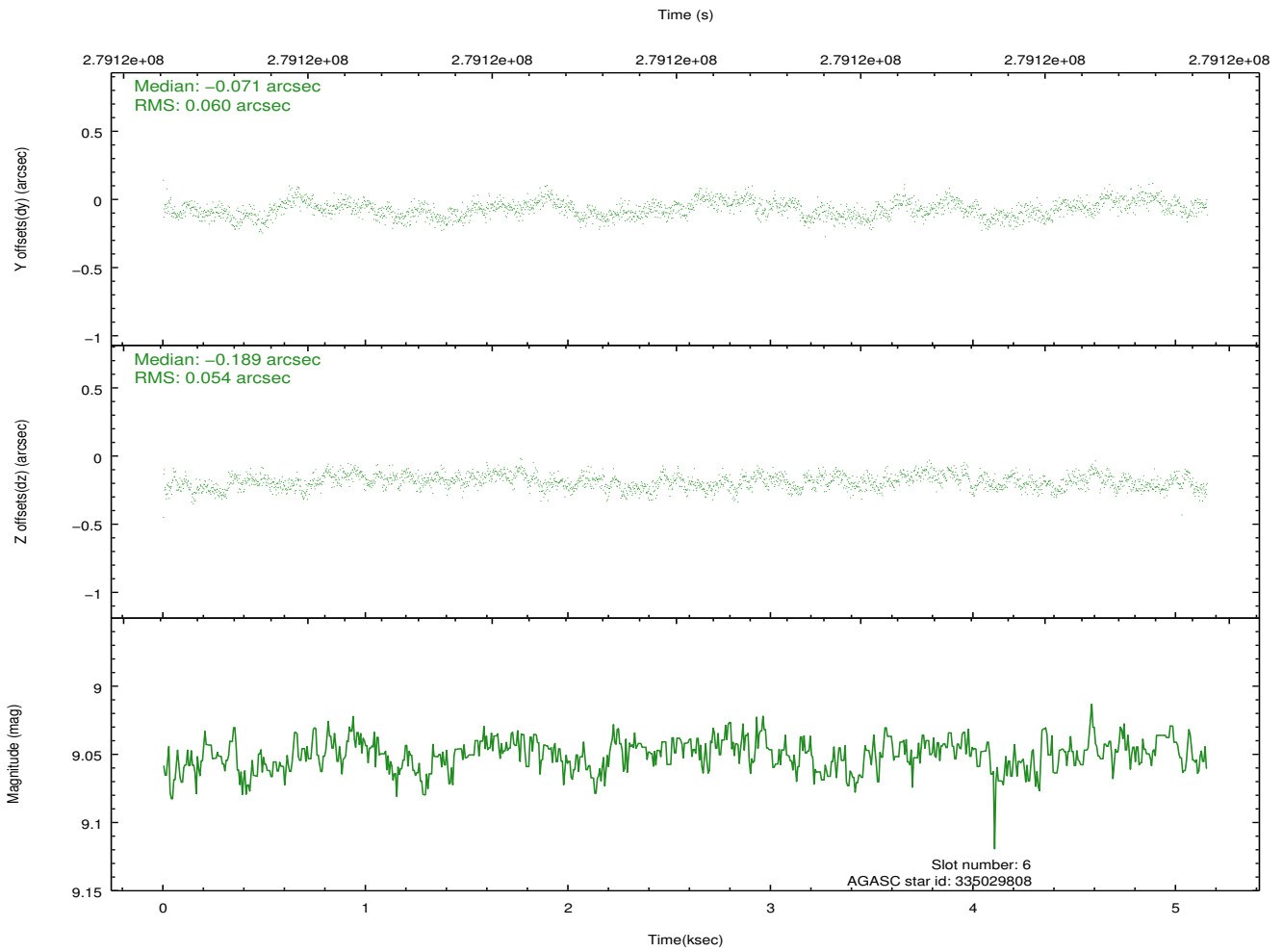
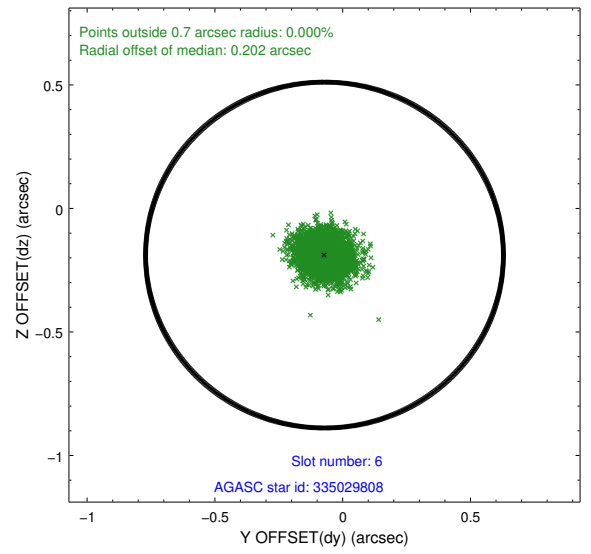
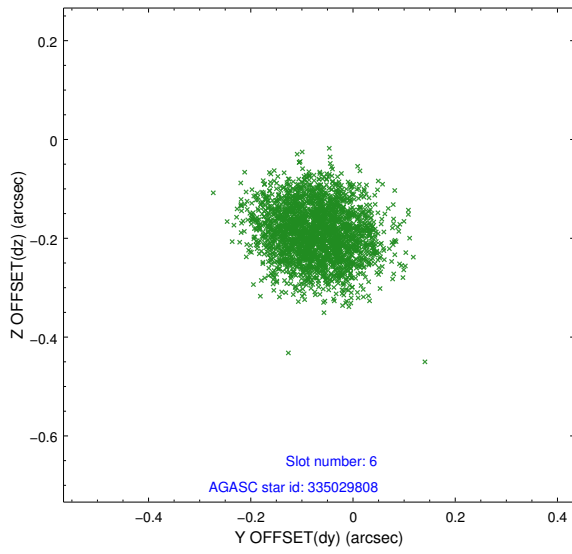
2.4.2 Slot 4



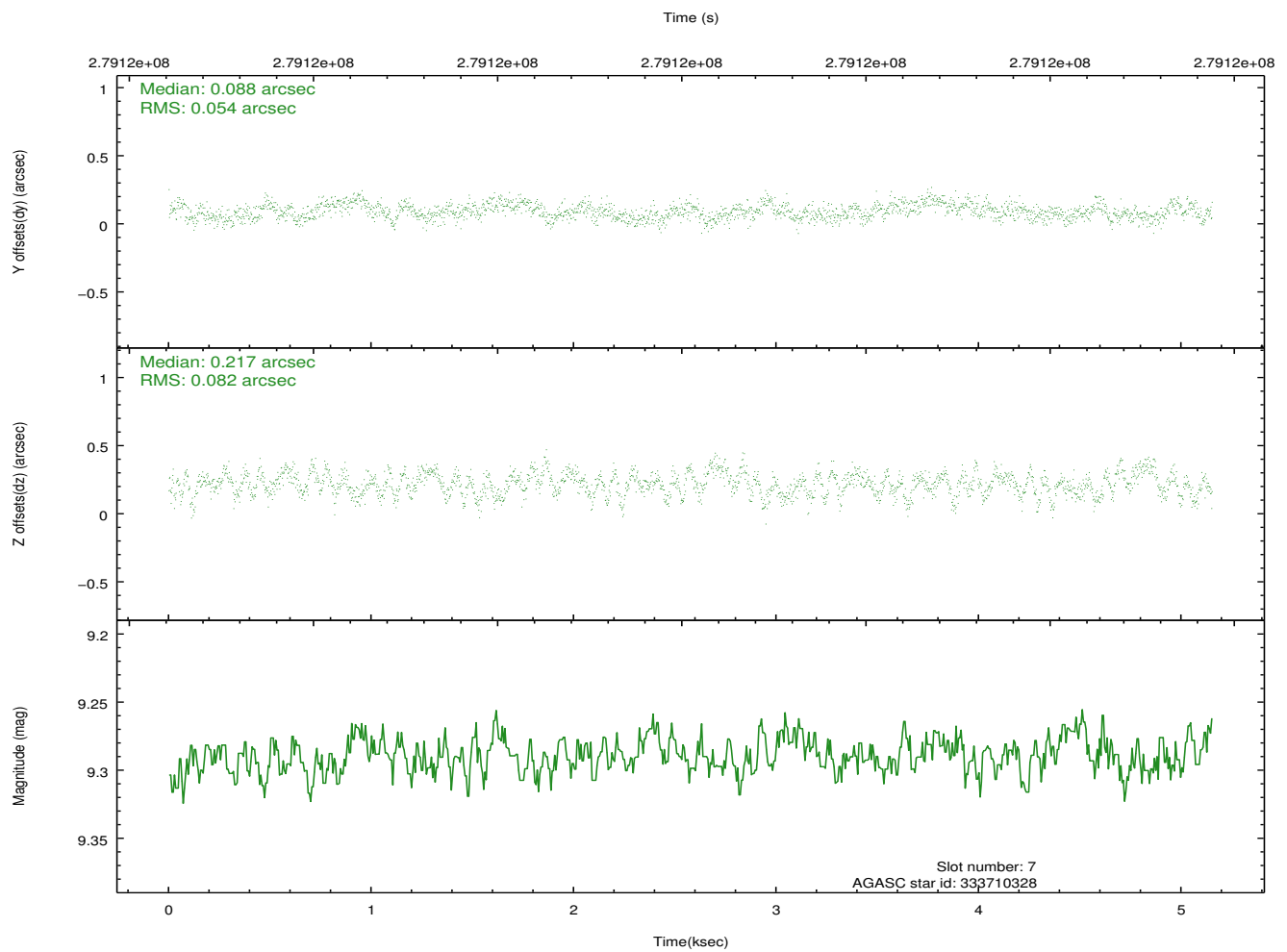
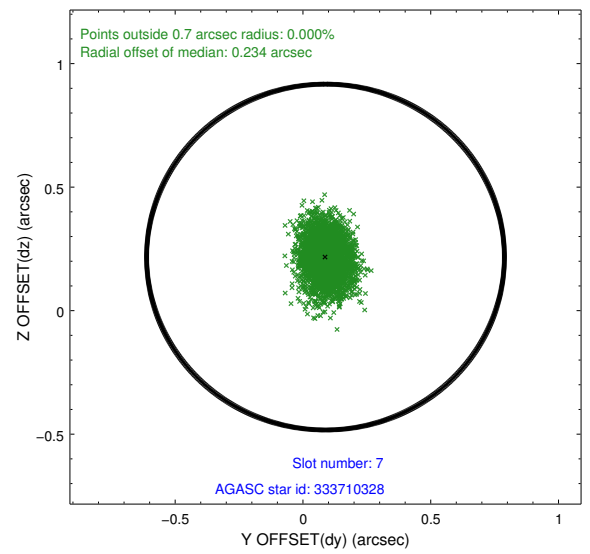
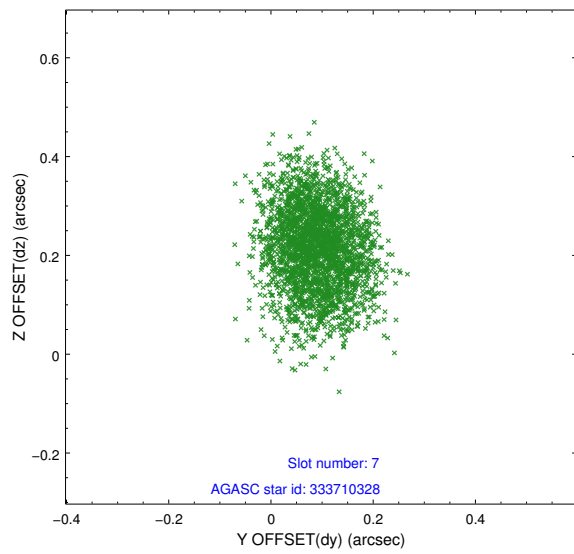
2.4.3 Slot 5



2.4.4 Slot 6

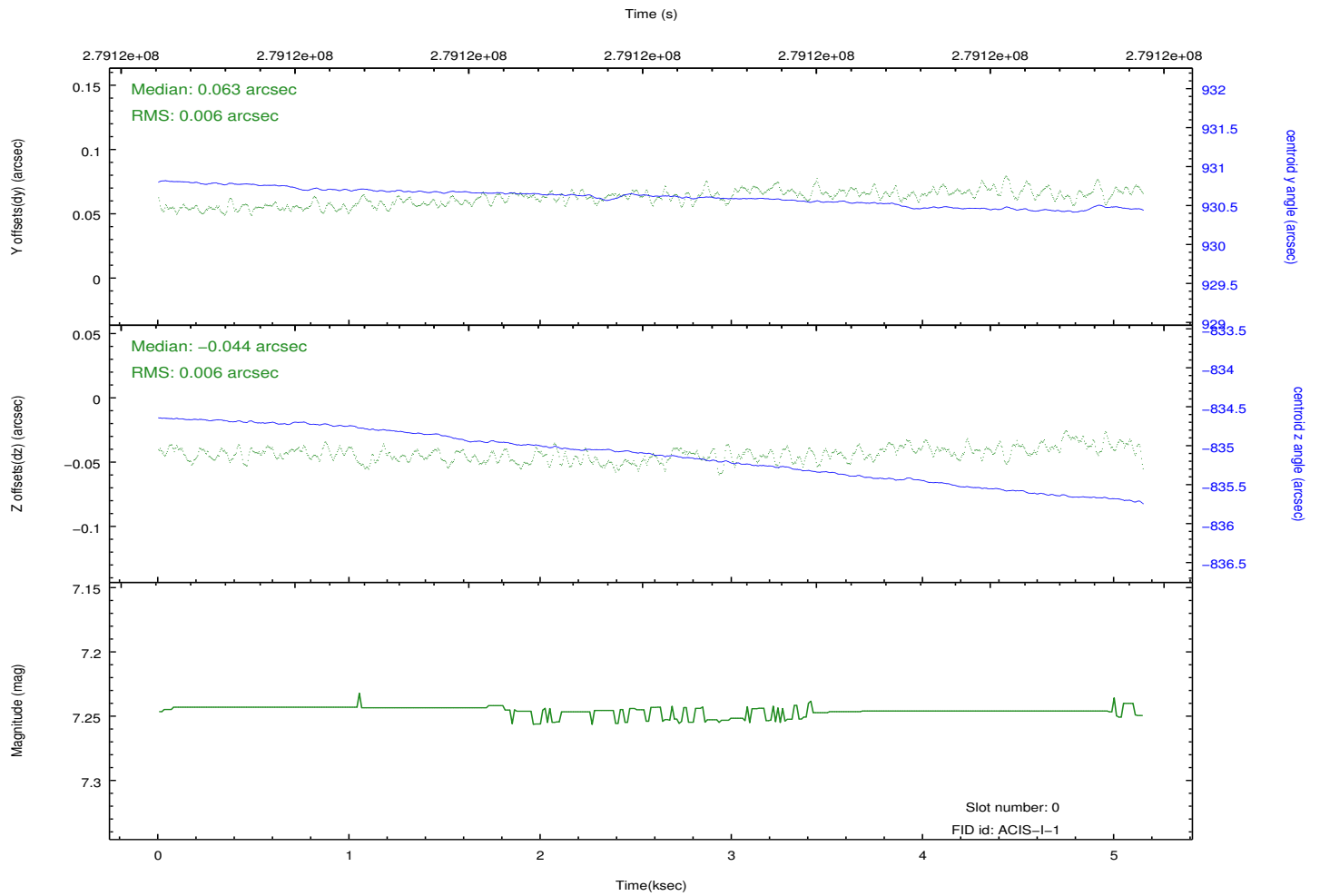
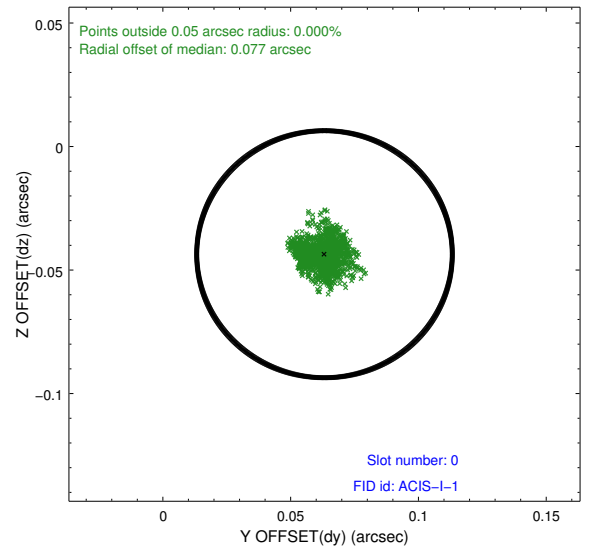
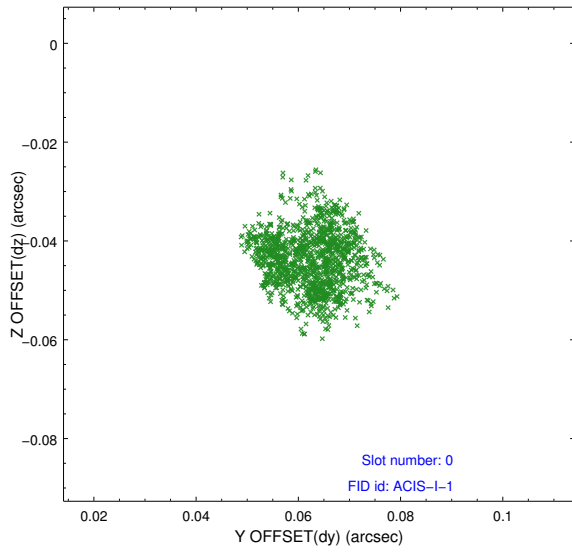


2.4.5 Slot 7

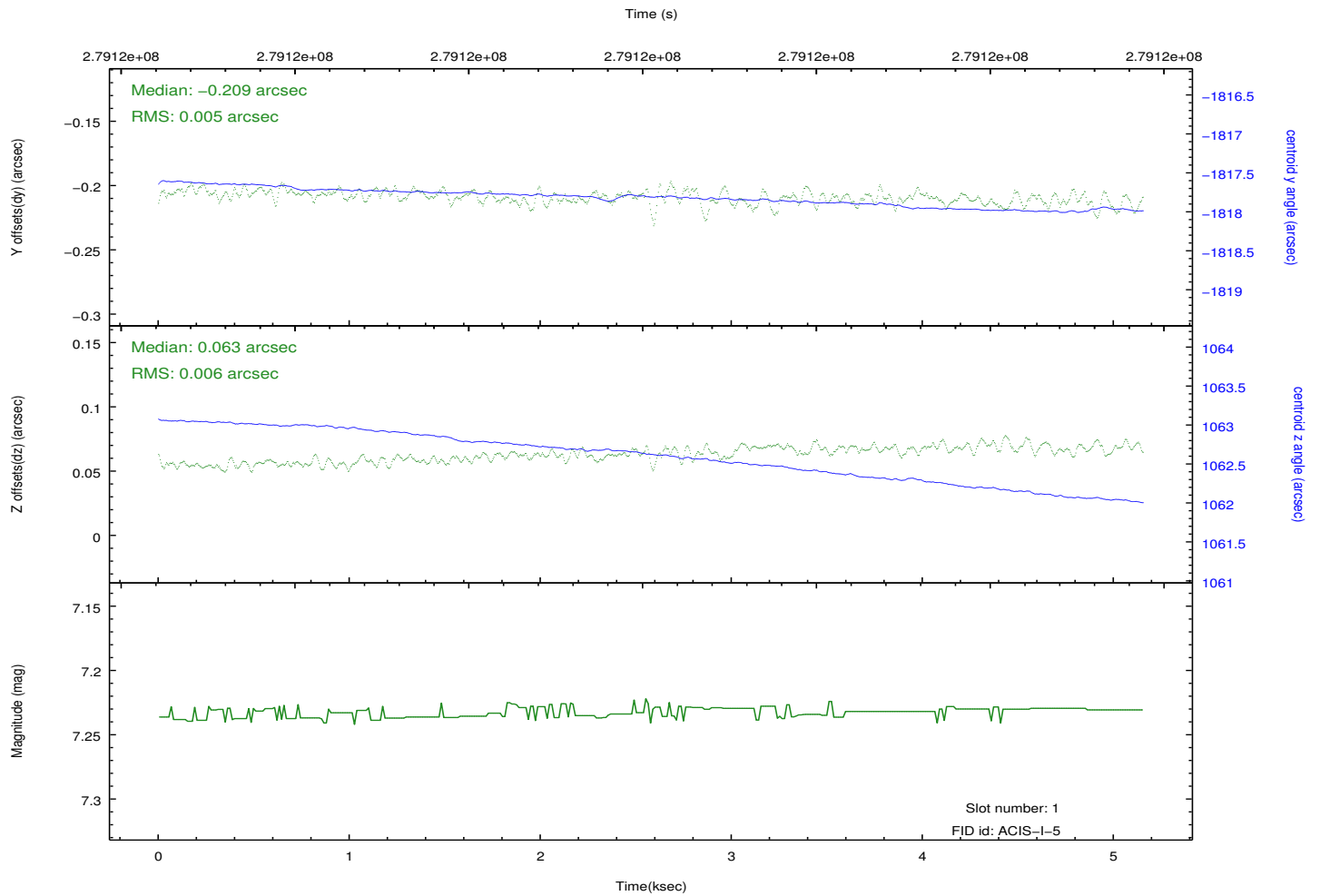
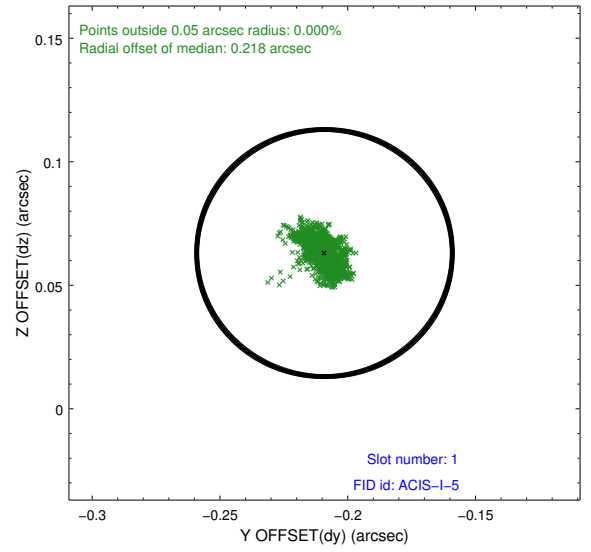
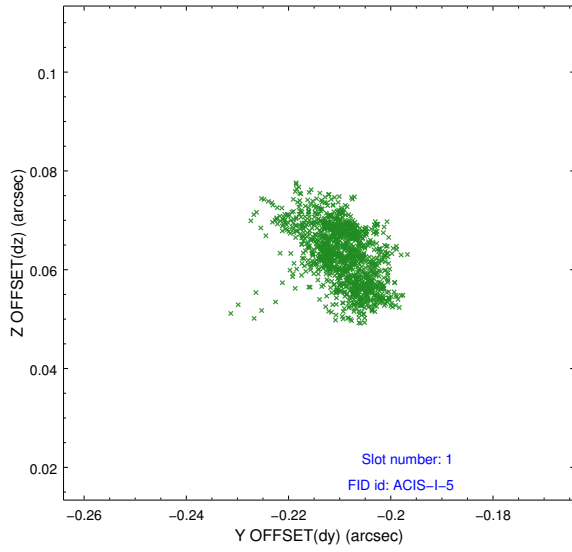


2.5 FID Slots

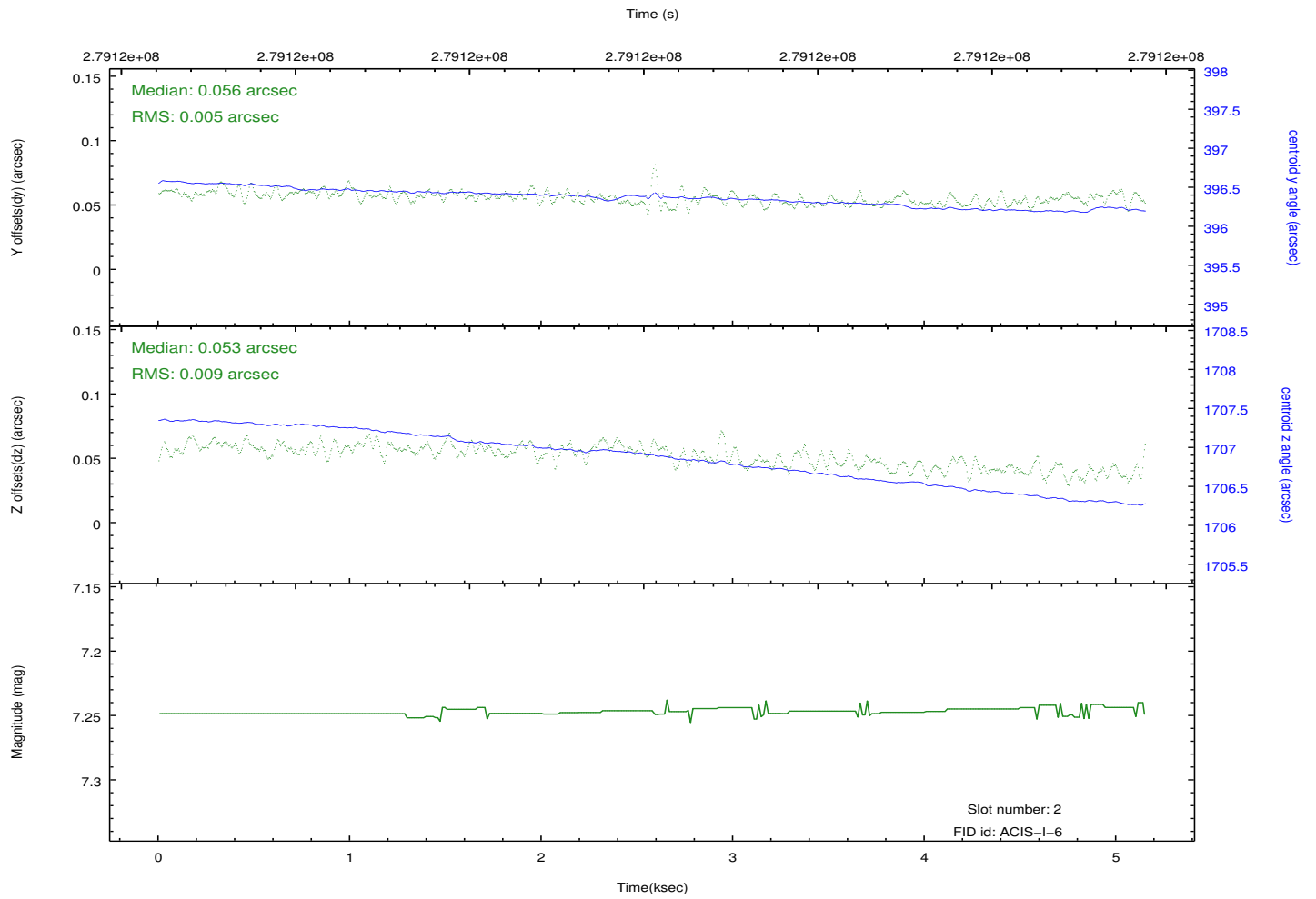
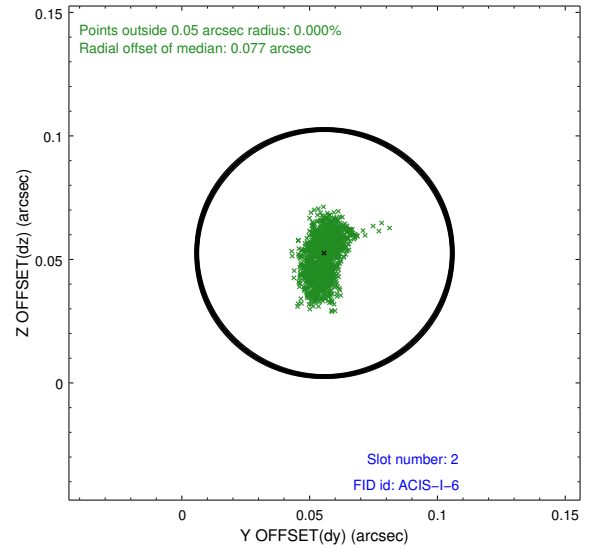
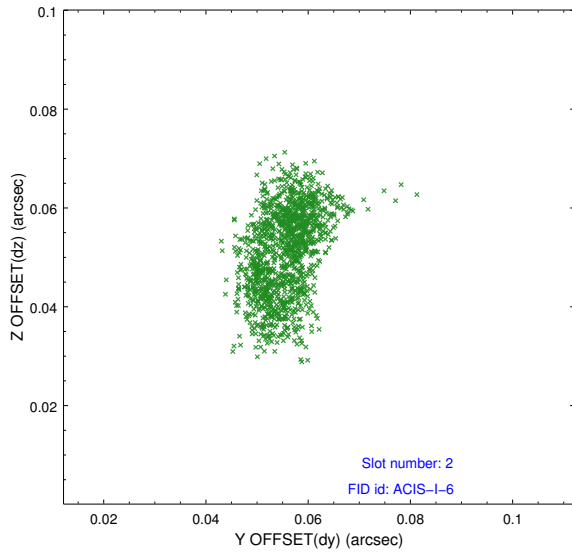
2.5.1 Slot 0



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)	2012.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14600003

A.2 Comments