

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4229 - L2 Version 3
Chandra X-Ray Center

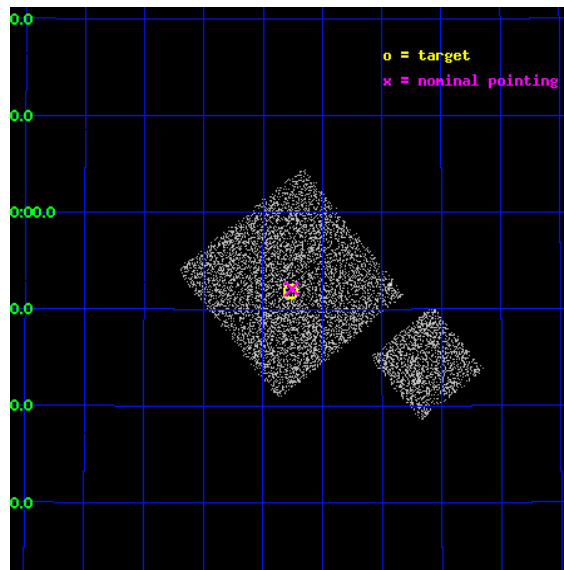
L2 Processing Date : Oct 25 2012

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1 Front

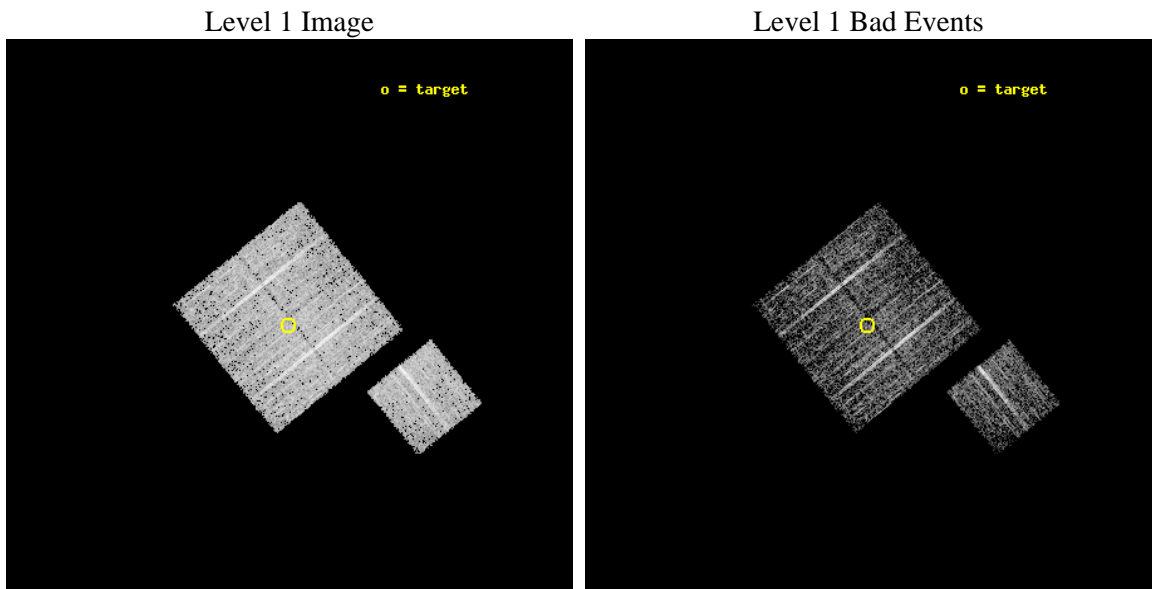
seq_num	900272	Sequence number
obs_id	4229	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS36	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.816997	Observer's specified target RA [deg]
dec_targ	33.864306	Observer's specified target Dec [deg]
ra_nom	217.81441265584	Nominal RA [deg]
dec_nom	33.868397032476	Nominal Dec [deg]
roll_nom	141.01009320006	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.7048627734	Sum of GTIs [s]
livetime	4613.6264022736	Livetime [s]
ontime0	4674.5817427635	Sum of GTIs [s]
ontime1	4674.6227827668	Sum of GTIs [s]
ontime2	4674.6638227701	Sum of GTIs [s]
ontime3	4674.7048627734	Sum of GTIs [s]
ontime6	4674.5407027602	Sum of GTIs [s]
l2events	9129	Number of level 2 events



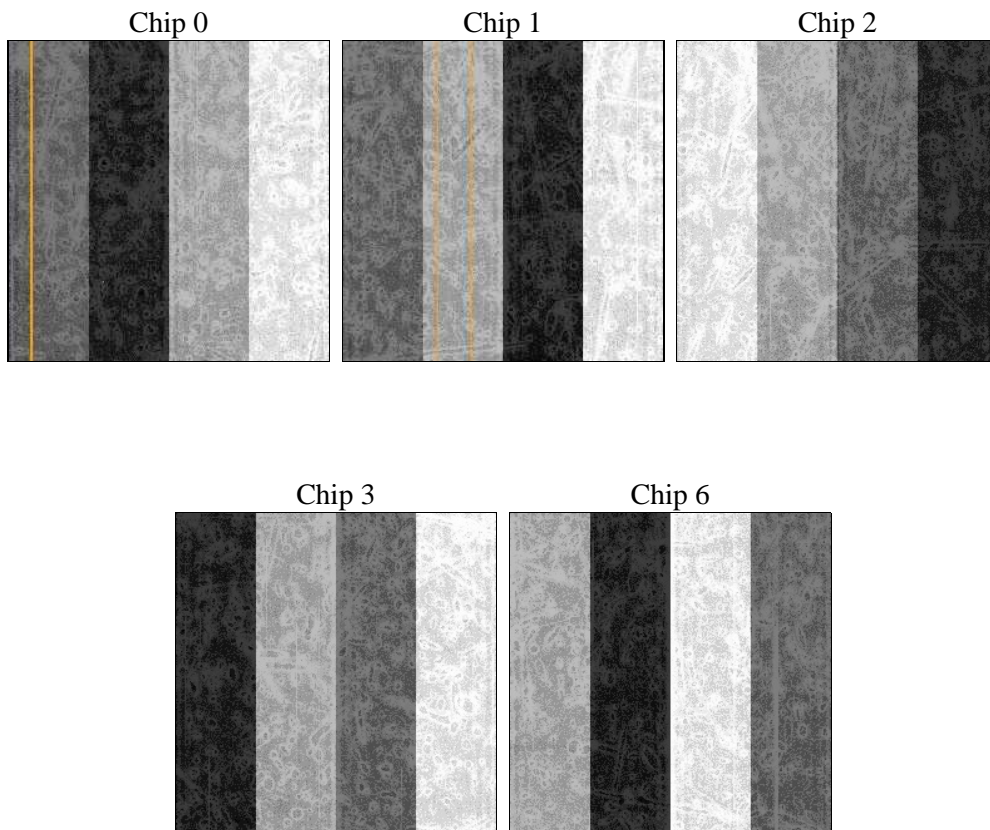
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4674.7048627734	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	4674.5817427635	Sum of GTIs [s]
date	2012-10-25T15:31:23	Date and time of file creation	ontime1	4674.6227827668	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4674.6638227701	Sum of GTIs [s]
			ontime3	4674.7048627734	Sum of GTIs [s]
			ontime6	4674.5407027602	Sum of GTIs [s]
			l1events	111733	Number of level 1 events

2.1.4 Events

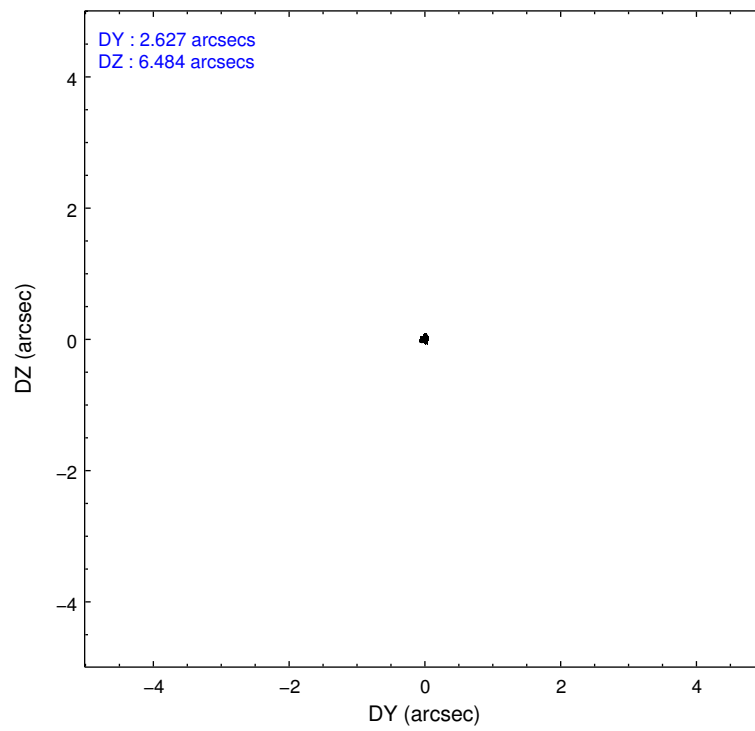
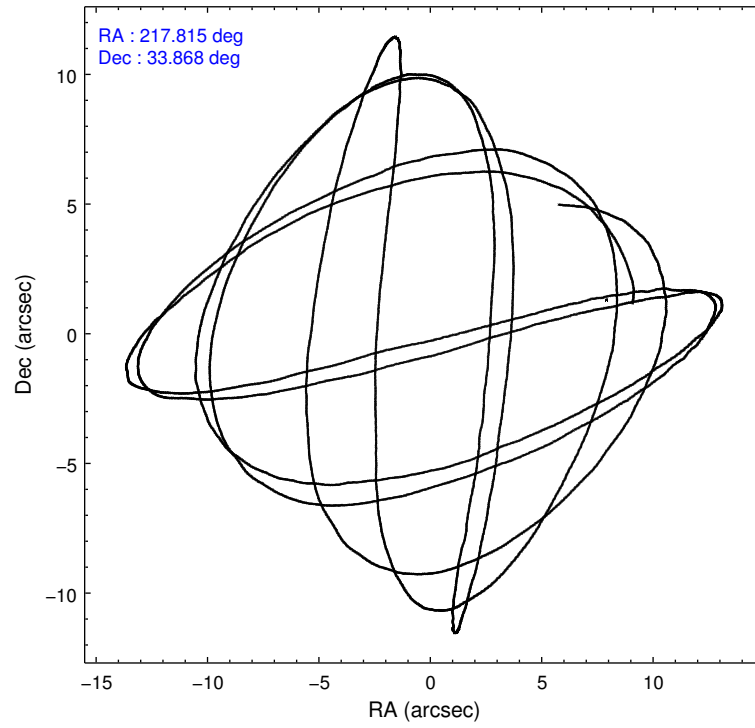
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21181	21130	23297	23657	22468
rejected events	18948	18805	21186	21463	20168
rejected %	89%	88%	90%	90%	89%

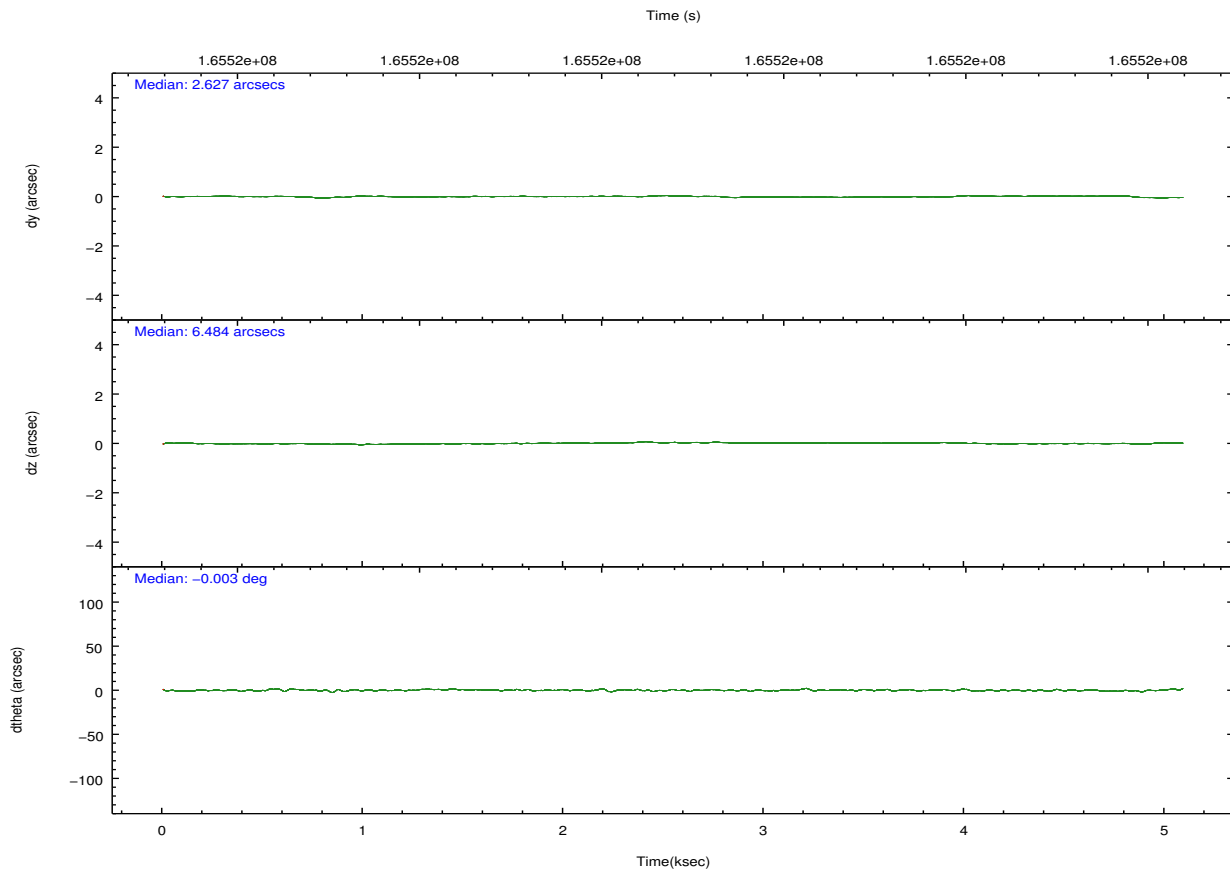
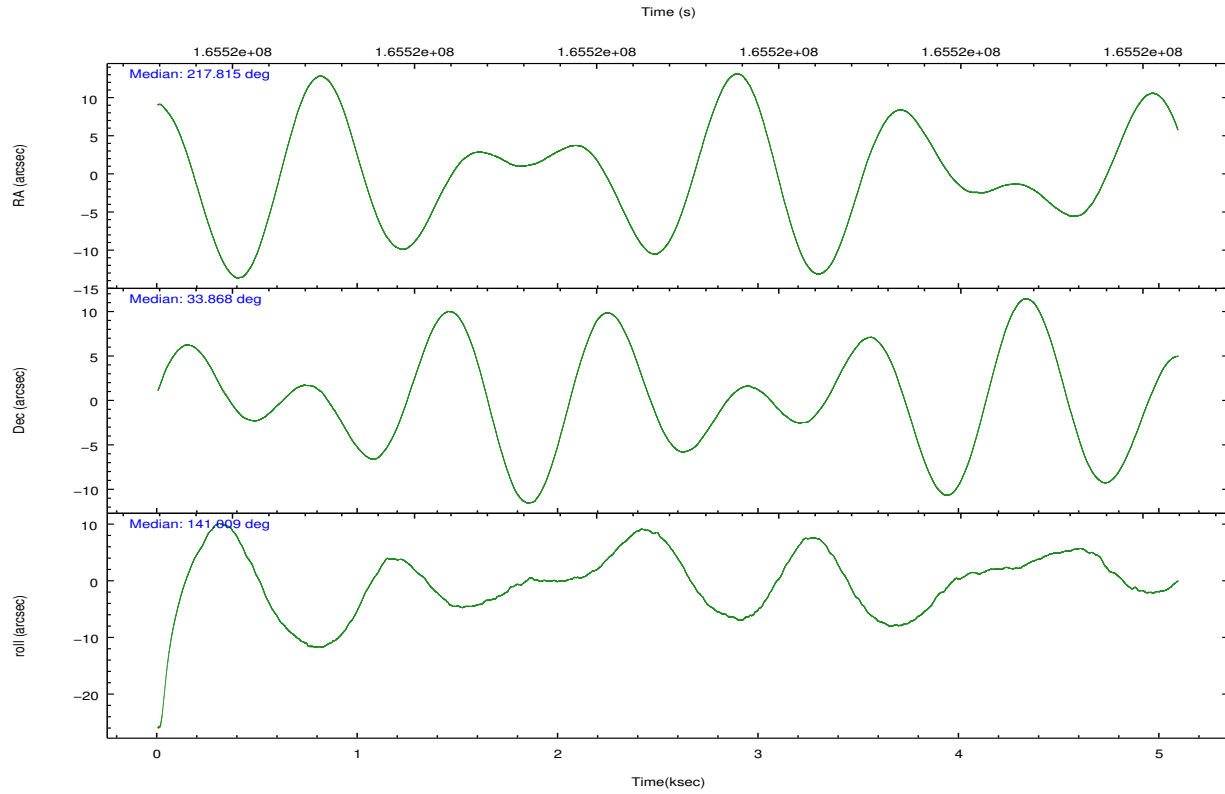
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	755	777	782	789	853
	3%	3%	3%	3%	3%
grade 1 events	9	20	13	9	8
	0%	0%	0%	0%	0%
grade 2 events	563	496	508	458	475
	2%	2%	2%	1%	2%
grade 3 events	268	320	230	271	271
	1%	1%	0%	1%	1%
grade 4 events	240	277	224	244	270
	1%	1%	0%	1%	1%
grade 5 events	671	686	579	746	731
	3%	3%	2%	3%	3%
grade 6 events	412	458	370	433	434
	1%	2%	1%	1%	1%
grade 7 events	18263	18096	20591	20707	19426
	86%	85%	88%	87%	86%

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	217.846971	217.8144126558379	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.864217	33.86839703247642	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783294	141.010093200057	[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)	165515044.184000	165514668.10517			
Observation start date	2003-03-31T16:23:00	2003-03-31T16:17:48			
[s] Observation end time (MET)	165519944.184000	165520078.0554			
Observation end date	2003-03-31T17:44:40	2003-03-31T17:47:58			
Read mode	TIMED	TIMED			

2.3 Aspect



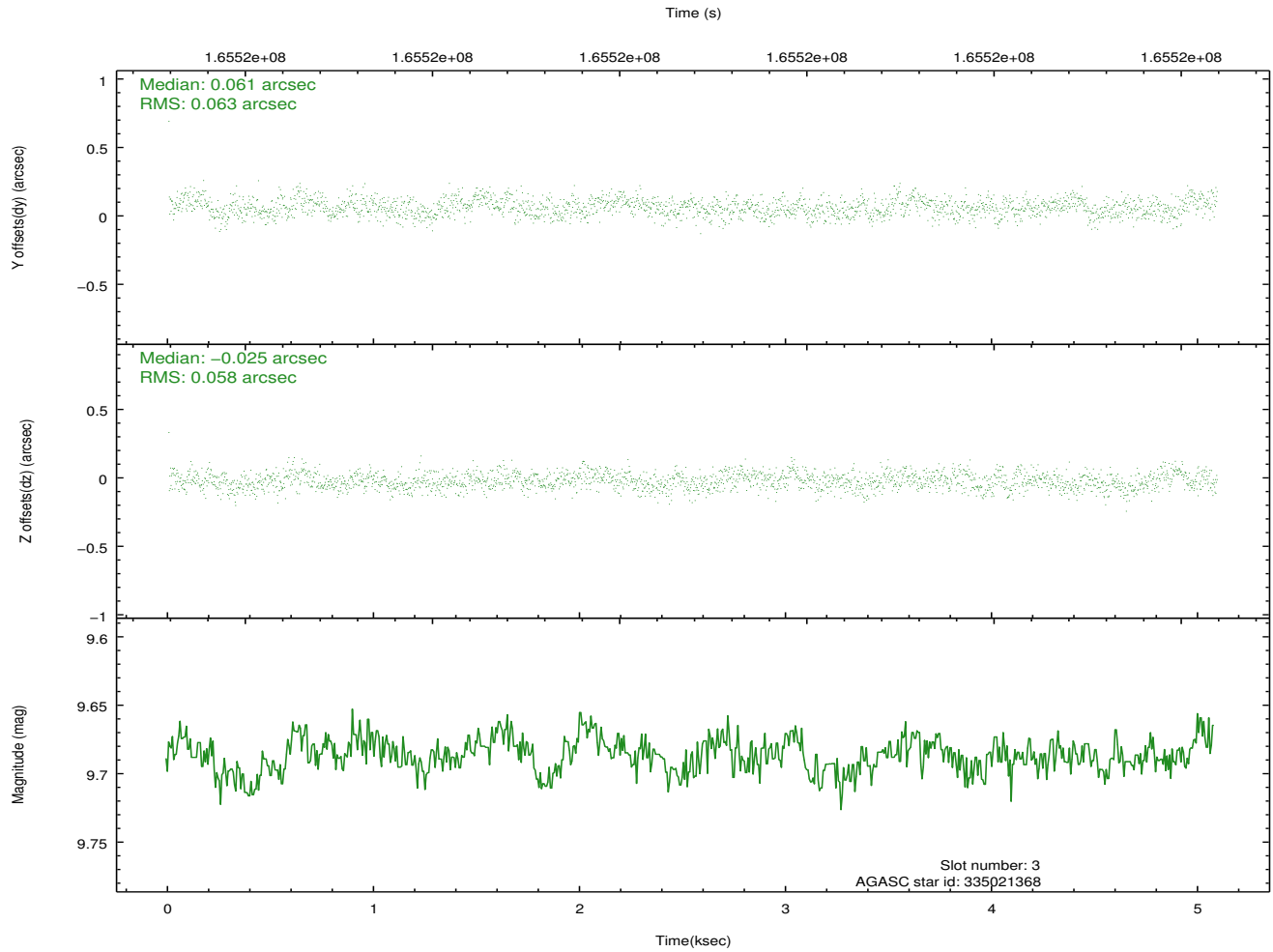
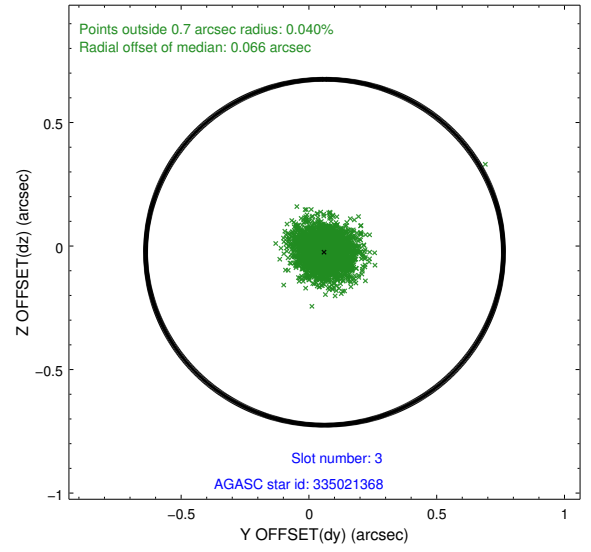
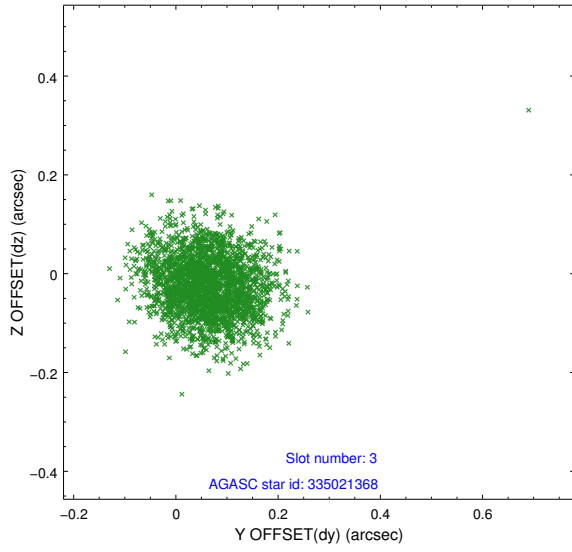


Slot Statistics

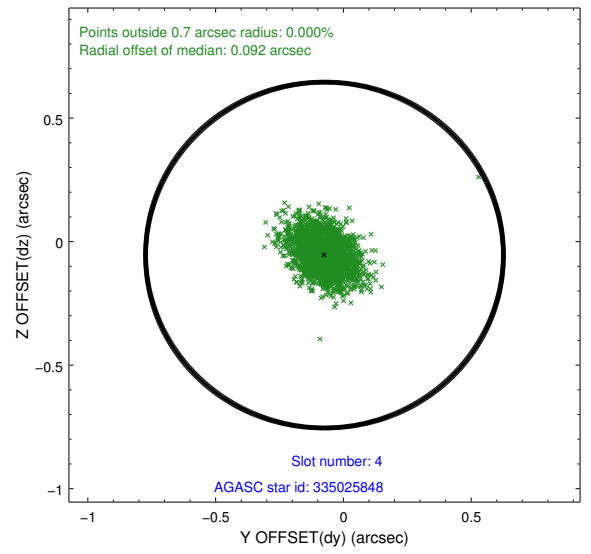
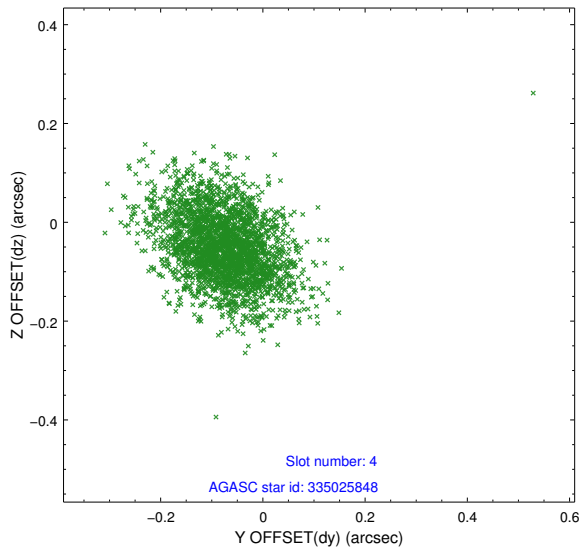
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.17	1242	-0.050	-0.095	0.009	0.016	0.000000	0.000000	-757.03	-836.33
1	FID	ACIS-I-4	7.18	1241	0.068	0.061	0.007	0.012	0.000000	0.000000	2156.59	1069.43
2	FID	ACIS-I-5	7.23	1241	-0.120	0.103	0.009	0.015	0.000000	0.000000	-1809.41	1068.64
3	GUIDE	335021368	9.69	2480	0.061	-0.025	0.091	0.147	217.529643	33.934817	895.98	401.58
4	GUIDE	335025848	9.71	2483	-0.074	-0.054	0.100	0.169	217.530531	33.778292	539.21	837.70
5	GUIDE	335027640	9.11	2482	-0.044	0.081	0.099	0.158	218.092211	33.193770	-2097.77	1402.97
6	GUIDE	335028696	9.21	2482	0.049	0.059	0.079	0.130	217.260519	33.844112	1315.11	1161.89
7	GUIDE	335029384	8.50	2481	0.015	-0.066	0.092	0.152	217.848061	33.088477	-1767.94	2162.39

2.4 Star Slots

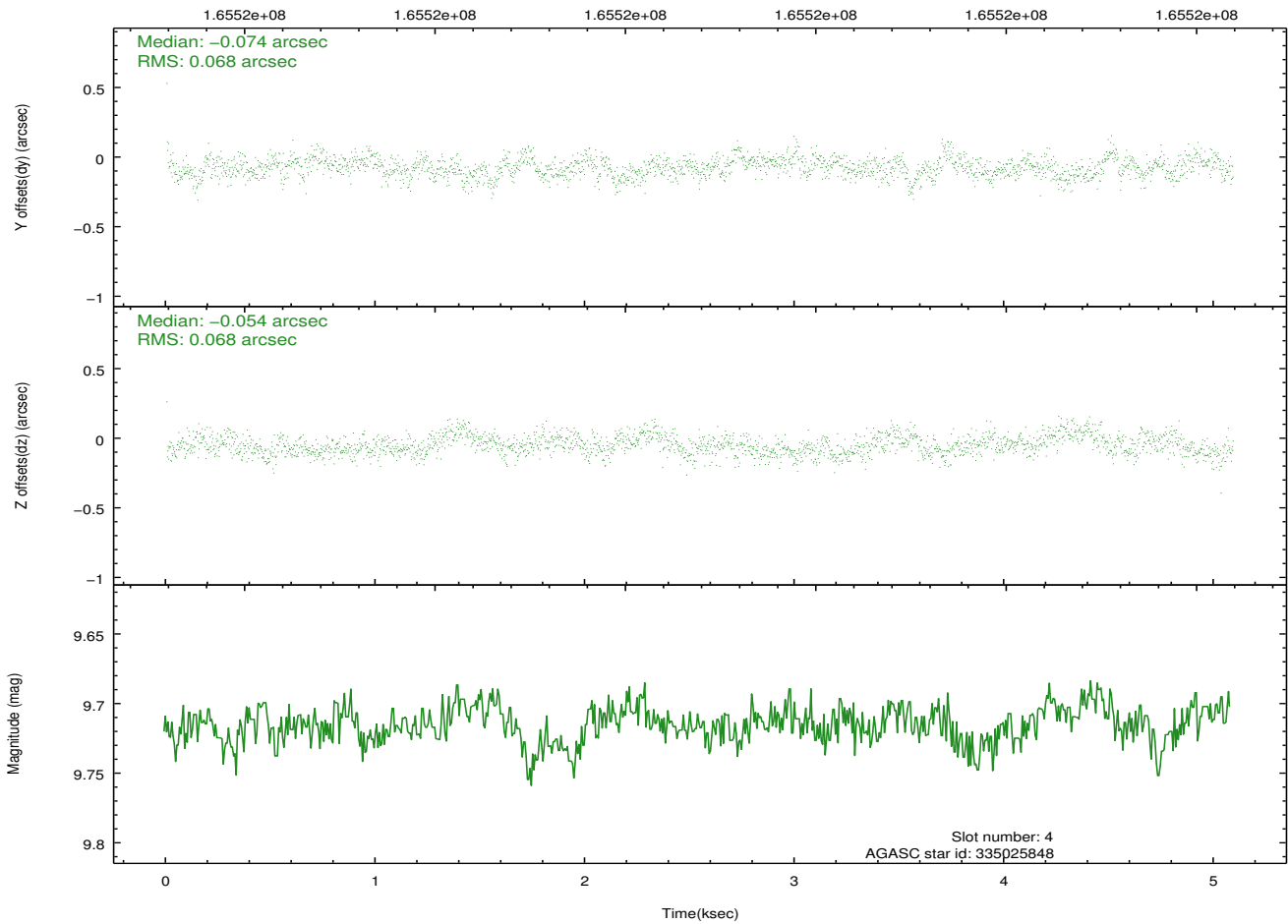
2.4.1 Slot 3



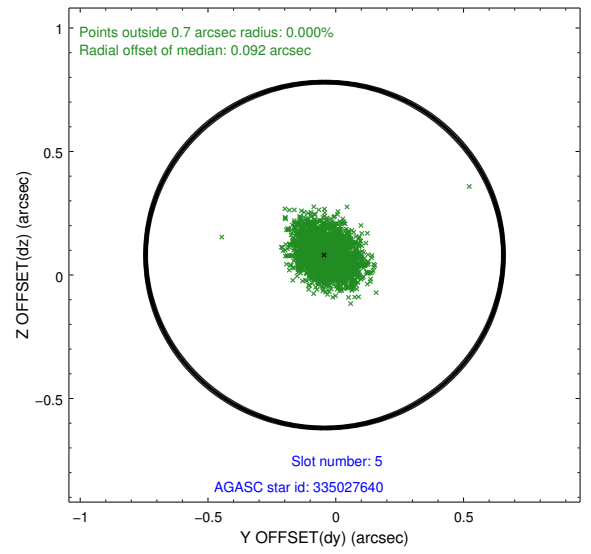
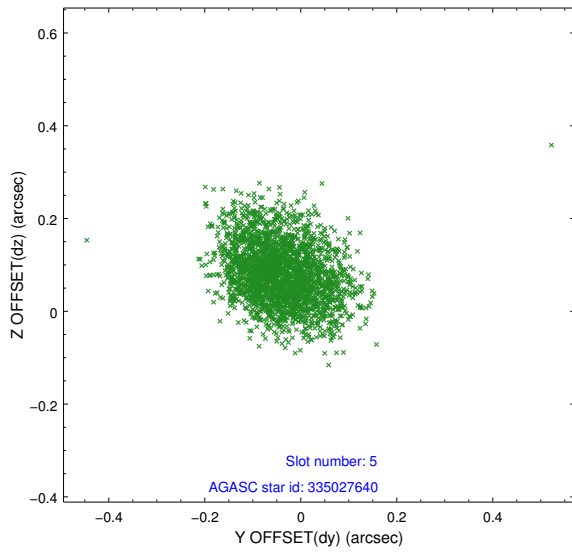
2.4.2 Slot 4



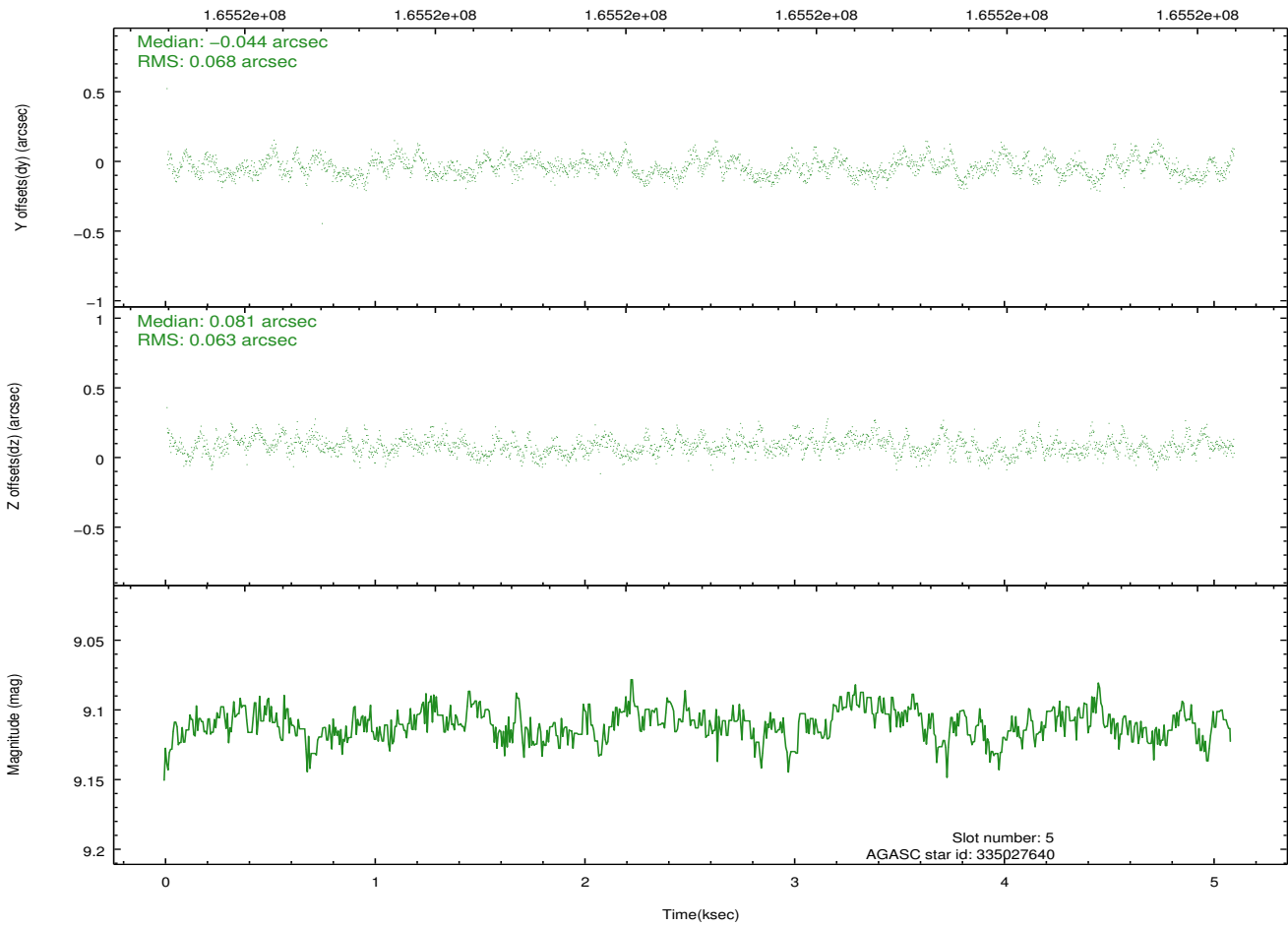
Time (s)



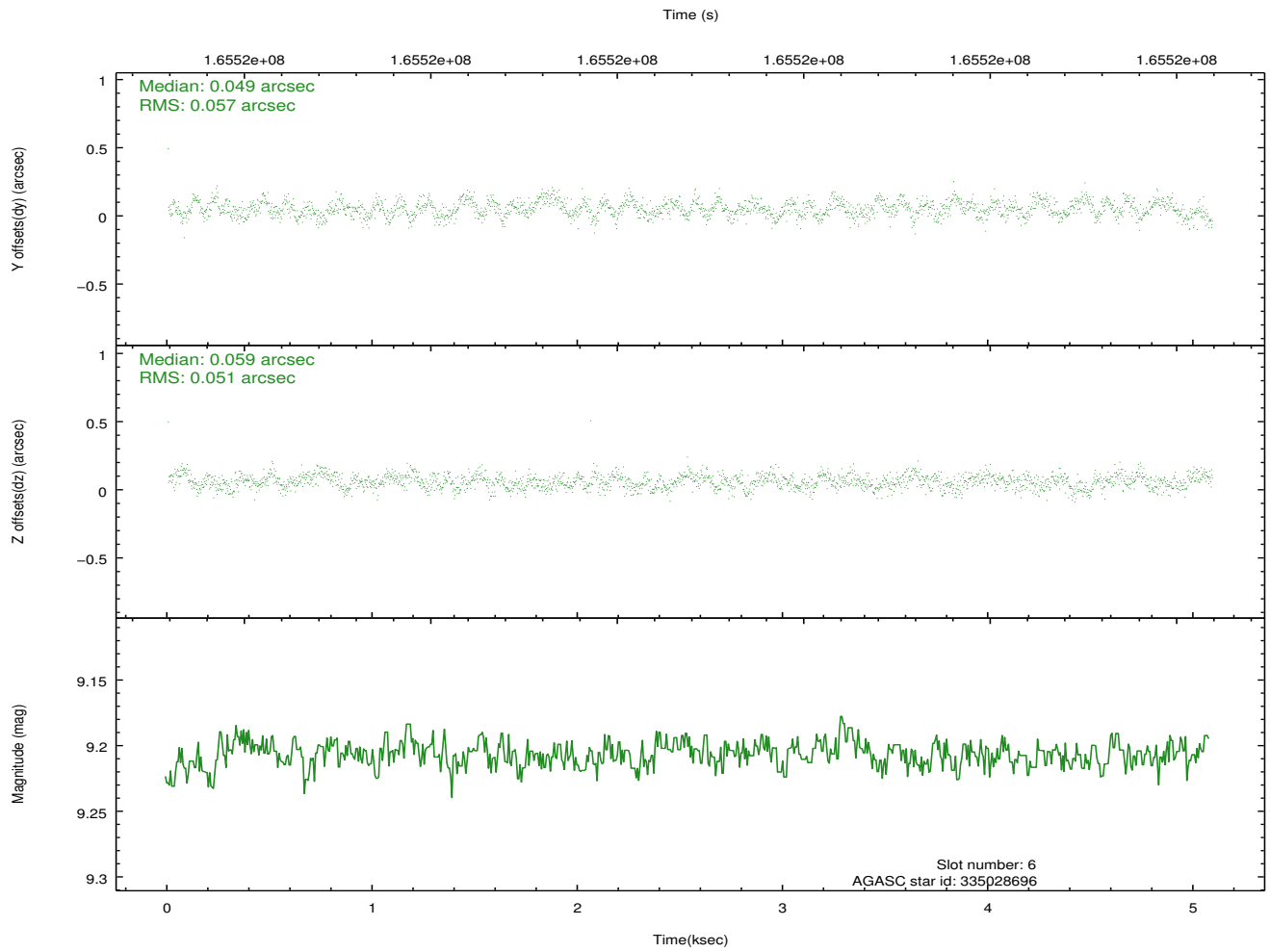
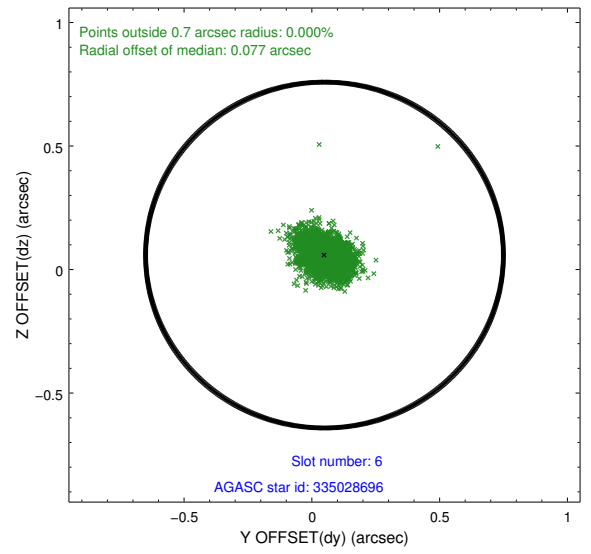
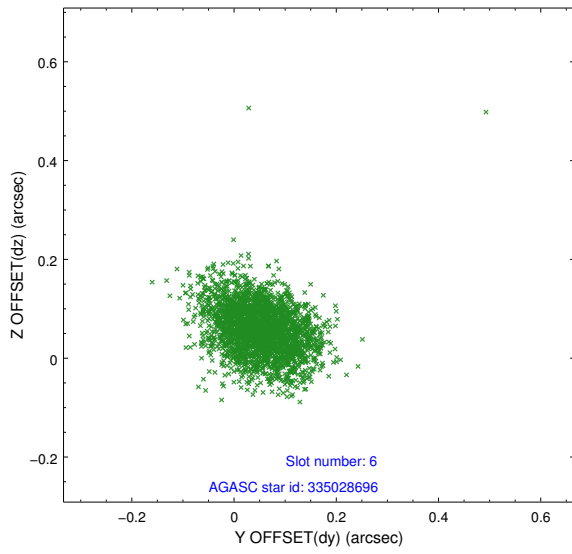
2.4.3 Slot 5



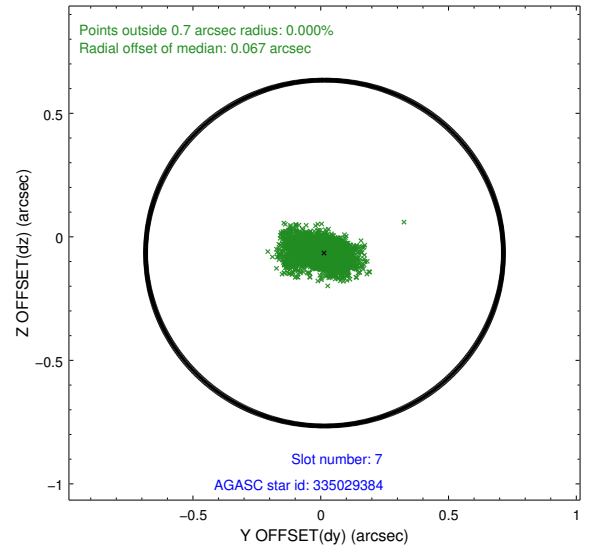
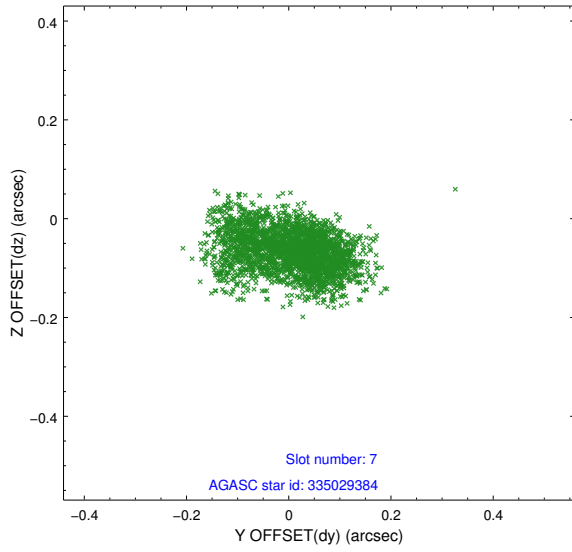
Time (s)



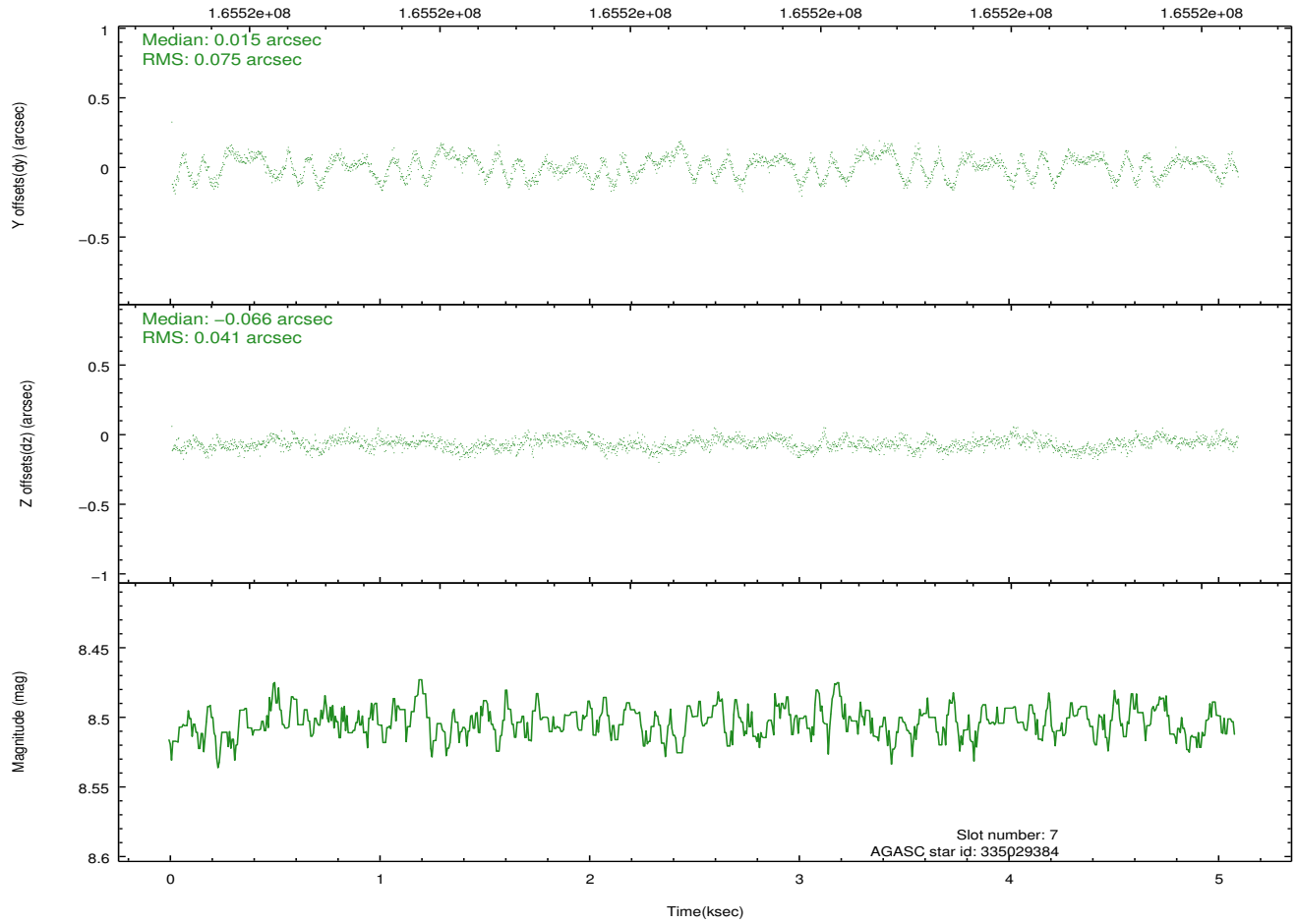
2.4.4 Slot 6



2.4.5 Slot 7

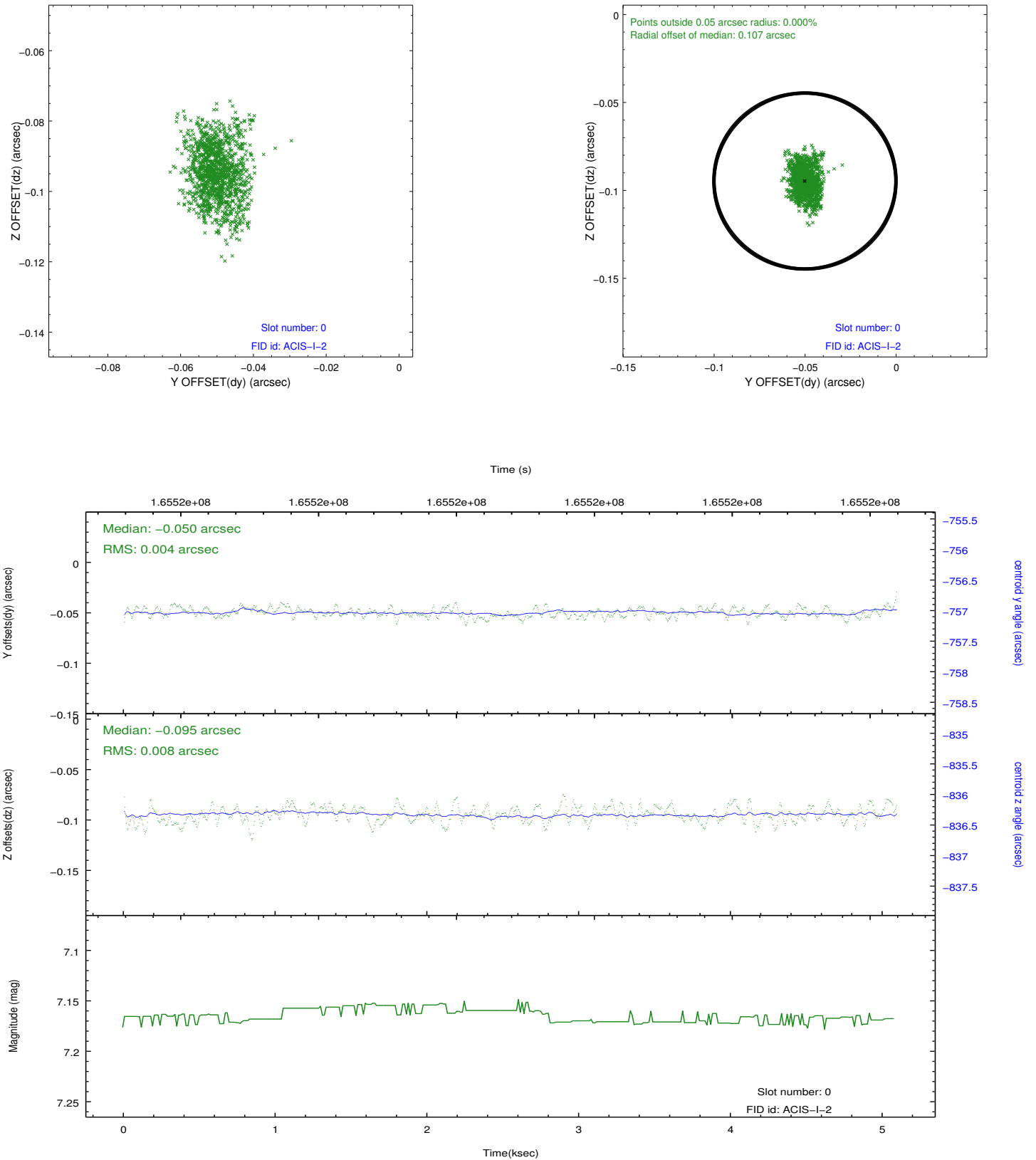


Time (s)

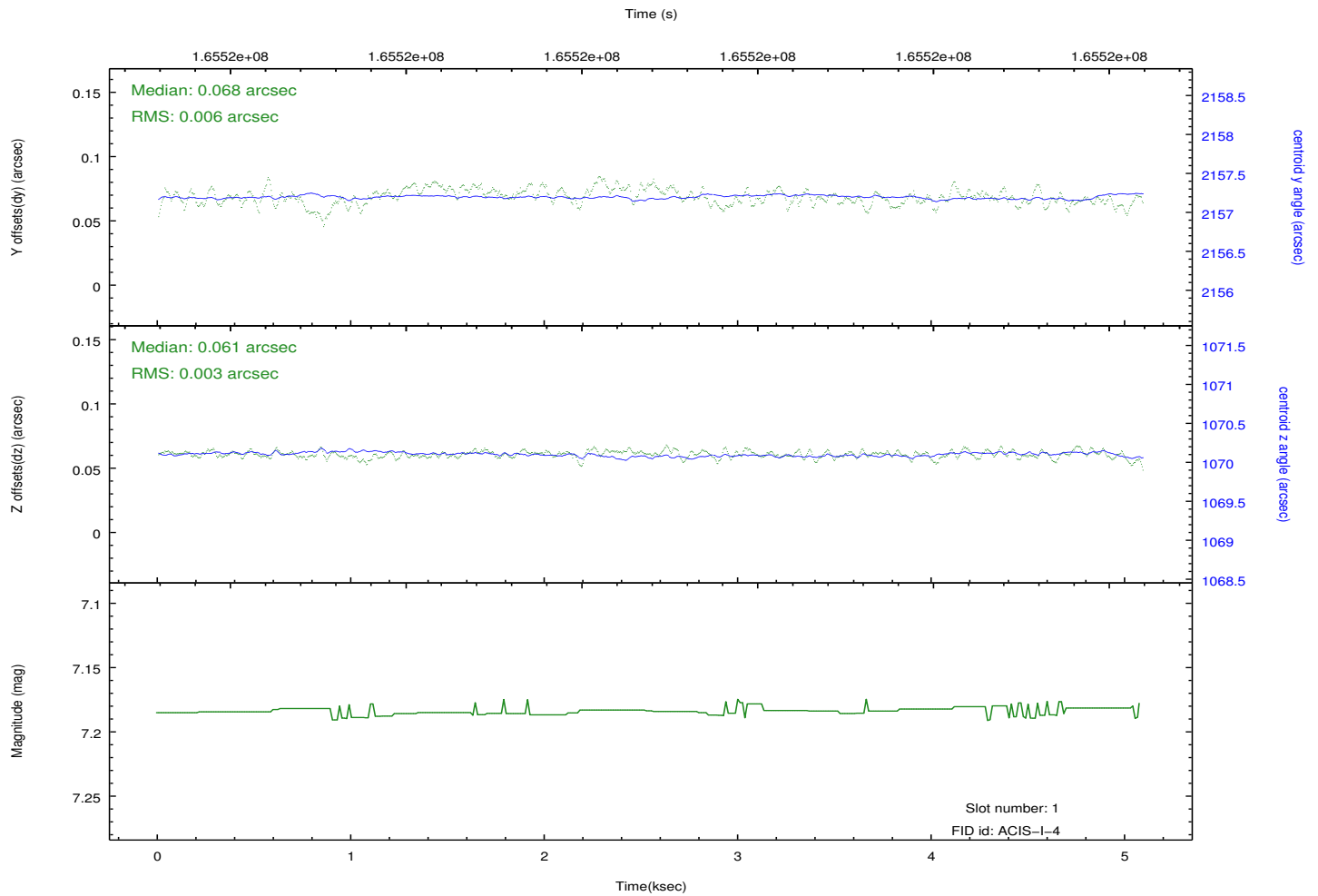
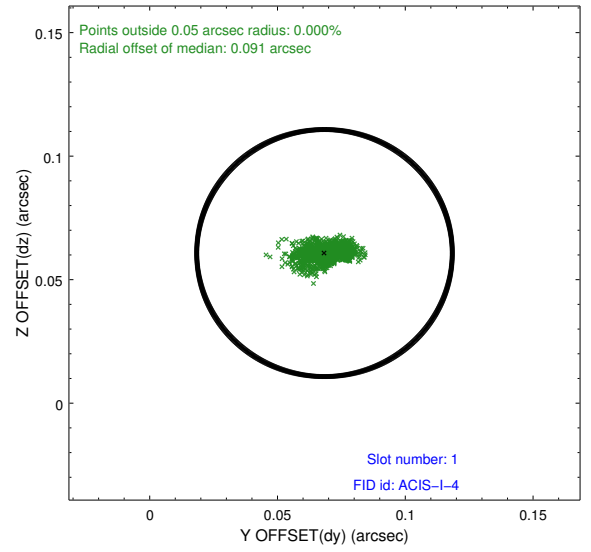
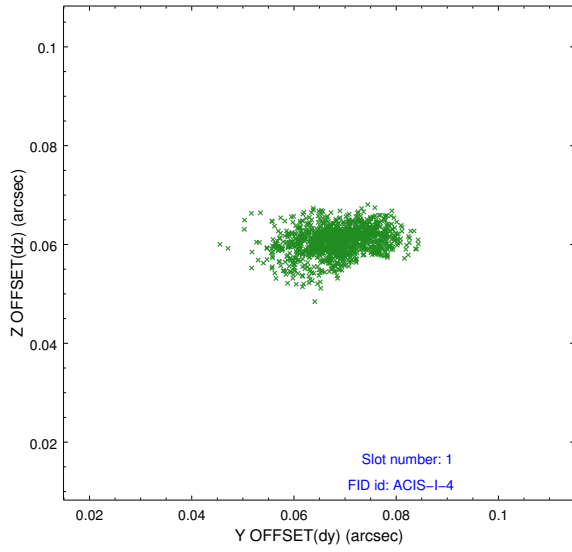


2.5 FID Slots

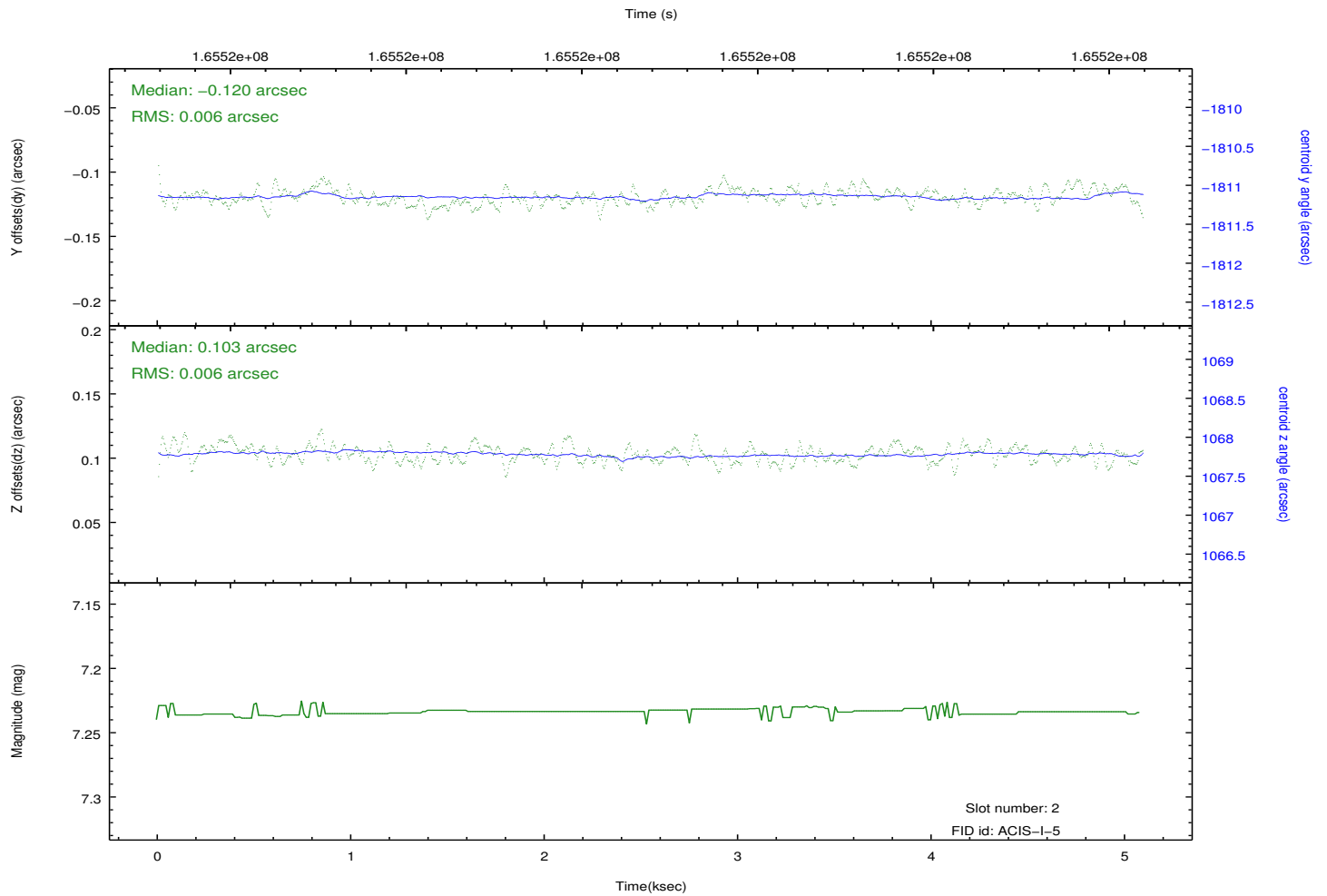
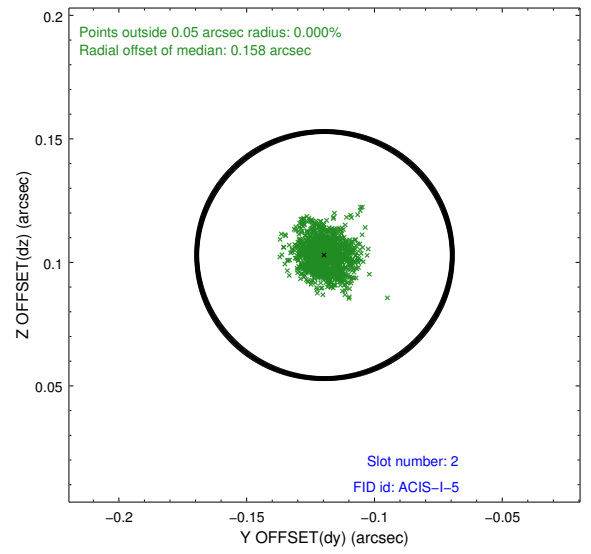
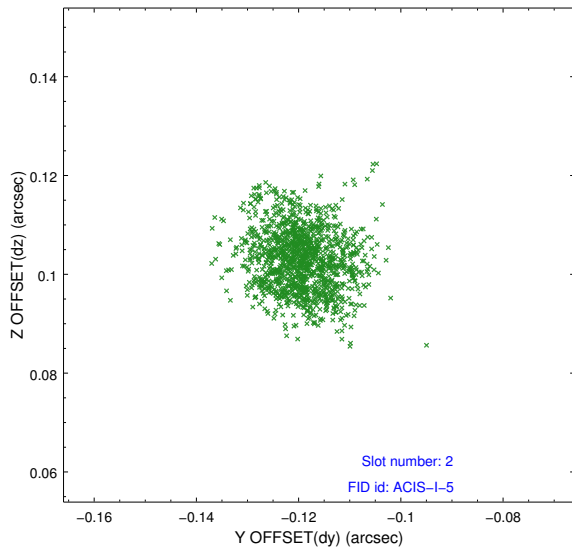
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.674

A.2 Comments