

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7707 - L2 Version 3
Chandra X-Ray Center

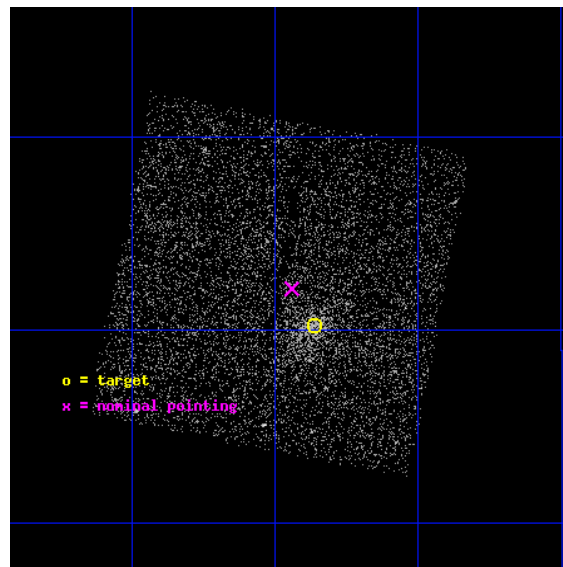
L2 Processing Date : Apr 22 2012

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1 Front

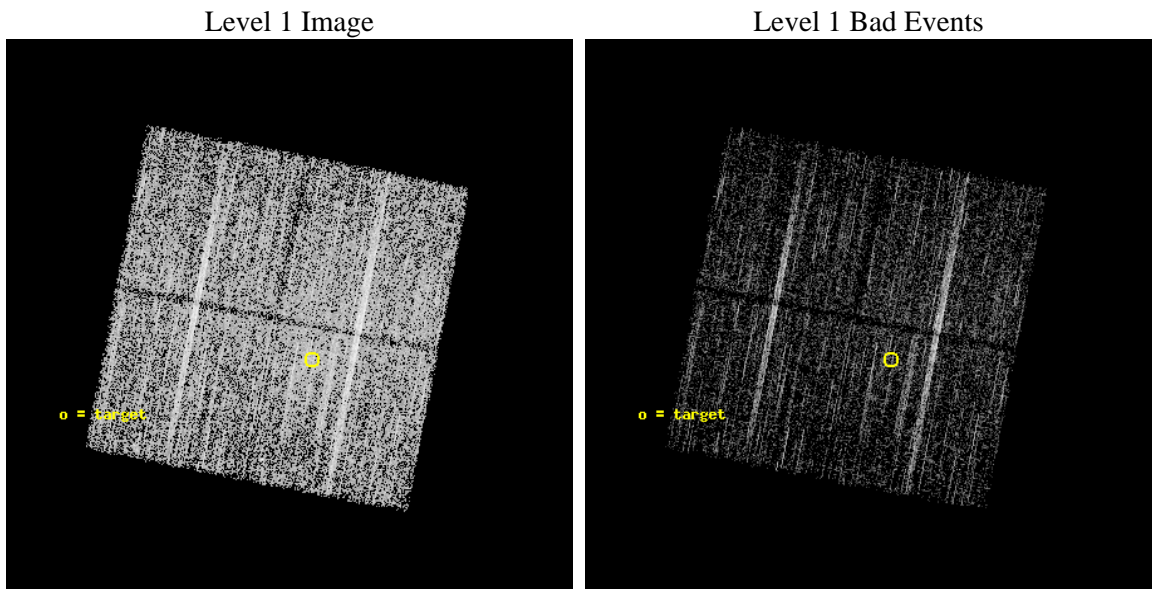
seq_num	701375	Sequence number
obs_id	7707	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	ABELL1942ANDCLUMP	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.59125	Observer's specified target RA [deg]
dec_targ	3.670278	Observer's specified target Dec [deg]
ra_nom	219.61059492196	Nominal RA [deg]
dec_nom	3.7021486705507	Nominal Dec [deg]
roll_nom	101.05735485885	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5180.1000398397	Sum of GTIs [s]
livetime	5112.4182192851	Livetime [s]
ontime0	5180.1000398397	Sum of GTIs [s]
ontime1	5180.1000398397	Sum of GTIs [s]
ontime2	5180.1000398397	Sum of GTIs [s]
ontime3	5180.1000398397	Sum of GTIs [s]
l2events	10747	Number of level 2 events



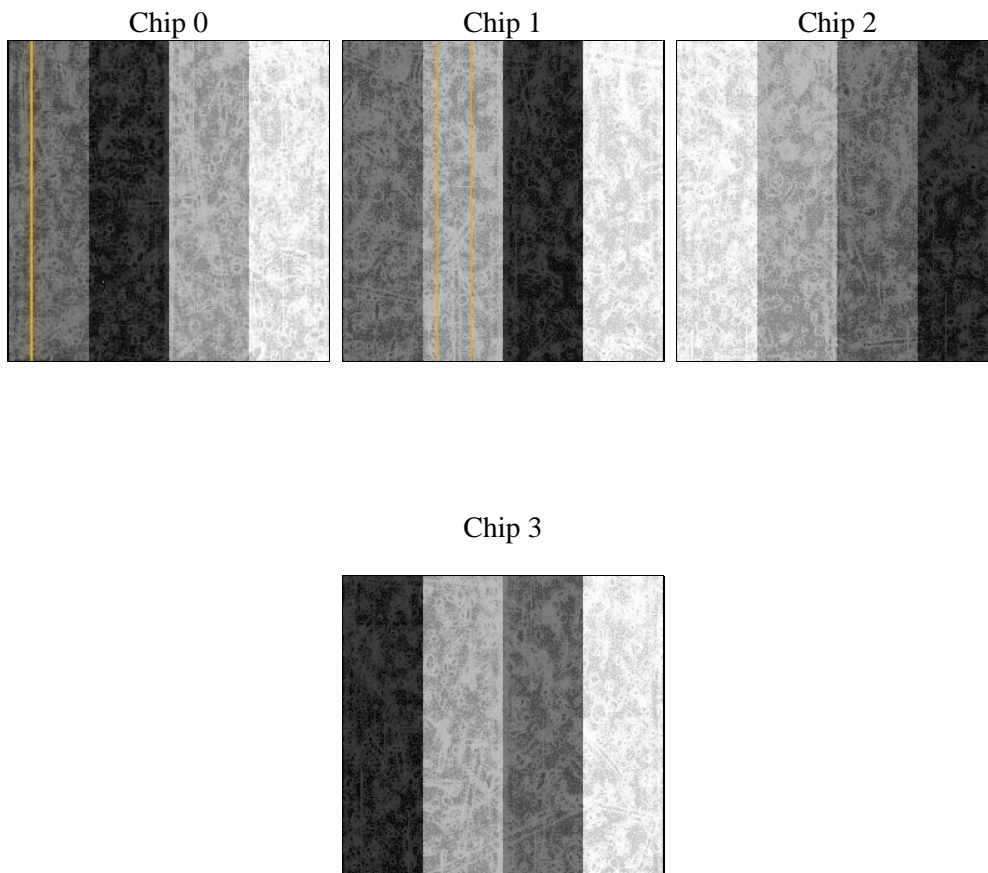
2 OBI

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	8.4.4	Processing system revision	ontime	5180.1000398397	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5180.1000398397	Sum of GTIs [s]
date	2012-04-22T05:38:03	Date and time of file creation	ontime1	5180.1000398397	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5180.1000398397	Sum of GTIs [s]
			ontime3	5180.1000398397	Sum of GTIs [s]
			l1events	151034	Number of level 1 events

2.1.4 Events

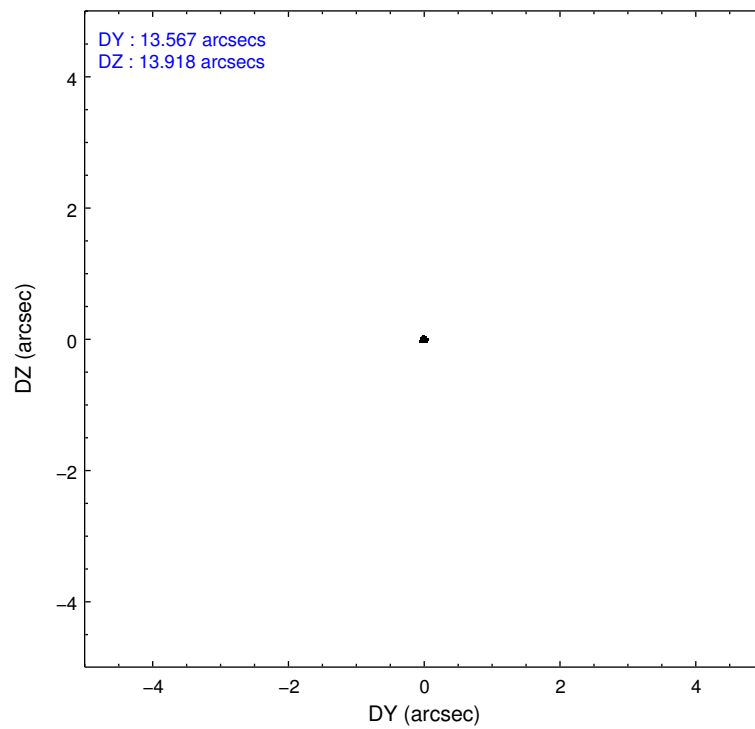
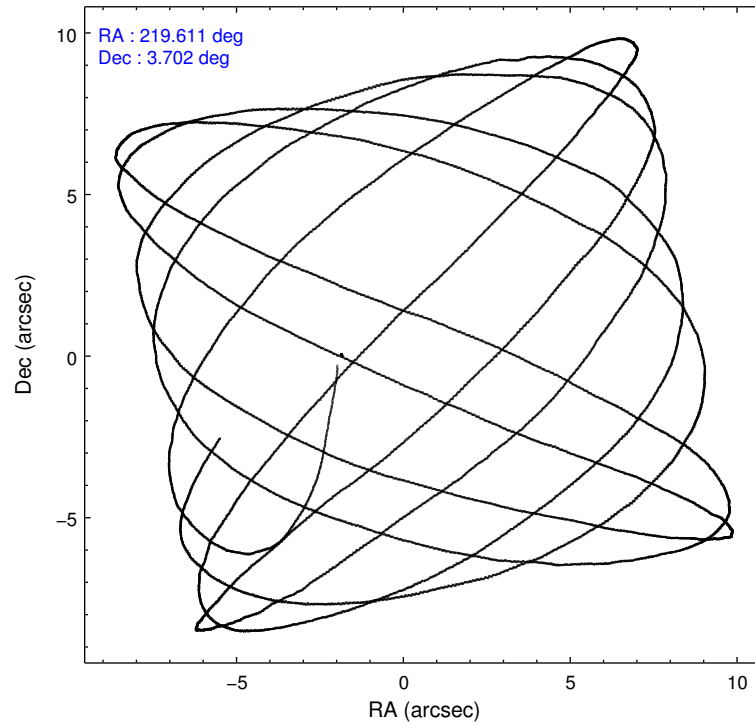
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	34703	35609	41101	39621
rejected events	31567	32361	37989	35736
rejected %	90%	90%	92%	90%

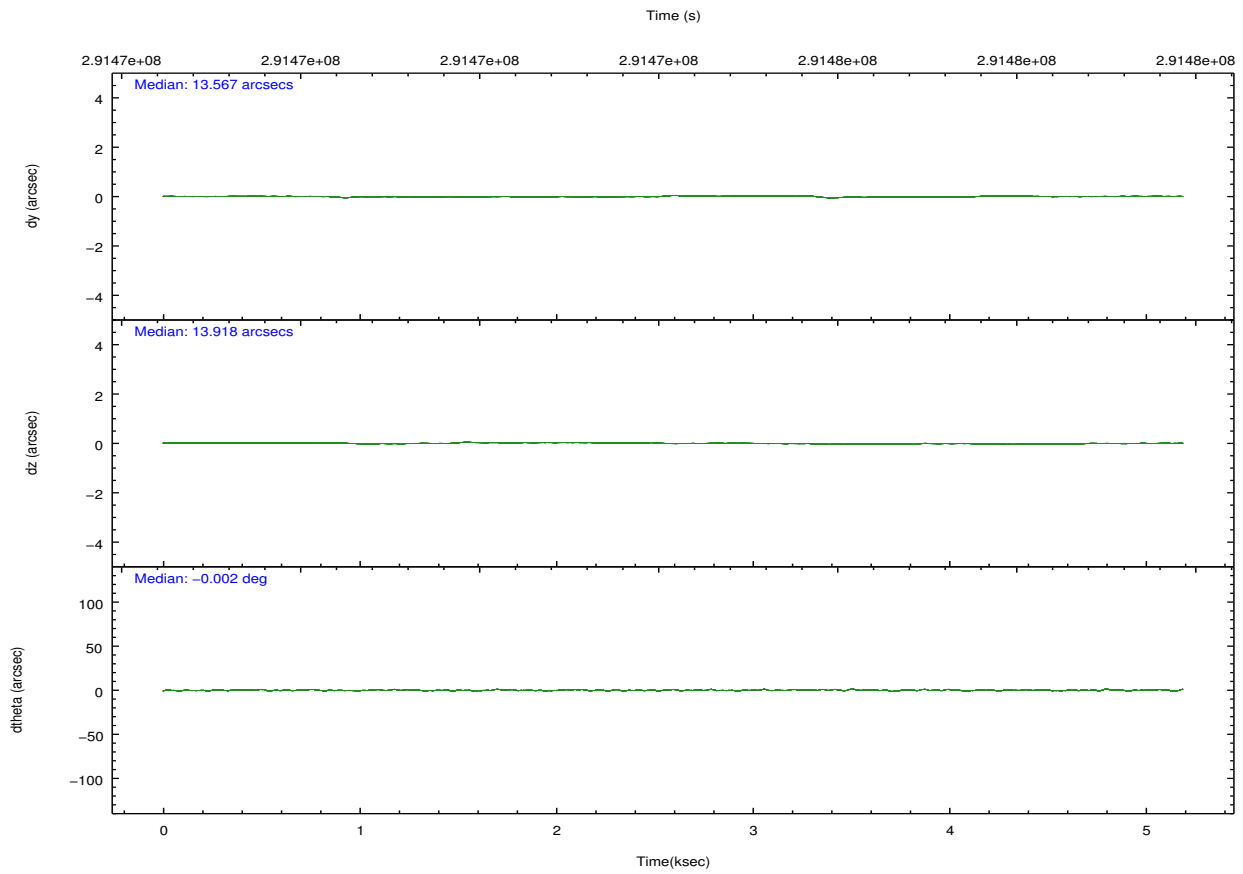
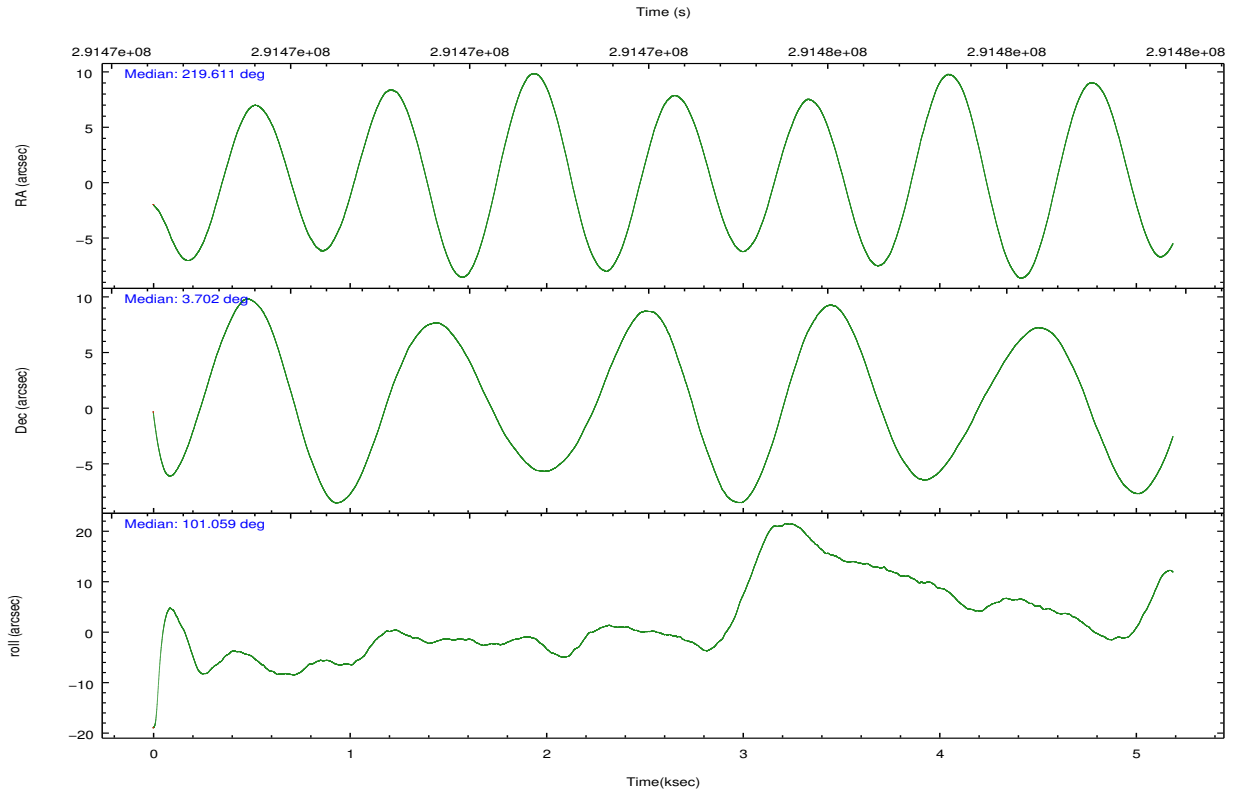
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1472	1476	1484	2137
	4%	4%	3%	5%
grade 1 events	22	17	22	34
	0%	0%	0%	0%
grade 2 events	785	705	751	735
	2%	1%	1%	1%
grade 3 events	385	406	347	391
	1%	1%	0%	0%
grade 4 events	339	377	377	380
	0%	1%	0%	0%
grade 5 events	588	711	597	751
	1%	1%	1%	1%
grade 6 events	445	546	449	502
	1%	1%	1%	1%
grade 7 events	30667	31371	37074	34691
	88%	88%	90%	87%

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	219.628874	219.6105949219606	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.681547	3.702148670550734	Alternating exposures requested	N	N
[deg] Pointing Roll	100.847568	101.0573548588467	[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)	291471674.184000	291470518.05998			
Observation start date	2007-03-28T12:20:09	2007-03-28T12:01:58			
[s] Observation end time (MET)	291476674.184000	291477001.69779			
Observation end date	2007-03-28T13:43:29	2007-03-28T13:50:01			
Read mode	TIMED	TIMED			

2.3 Aspect





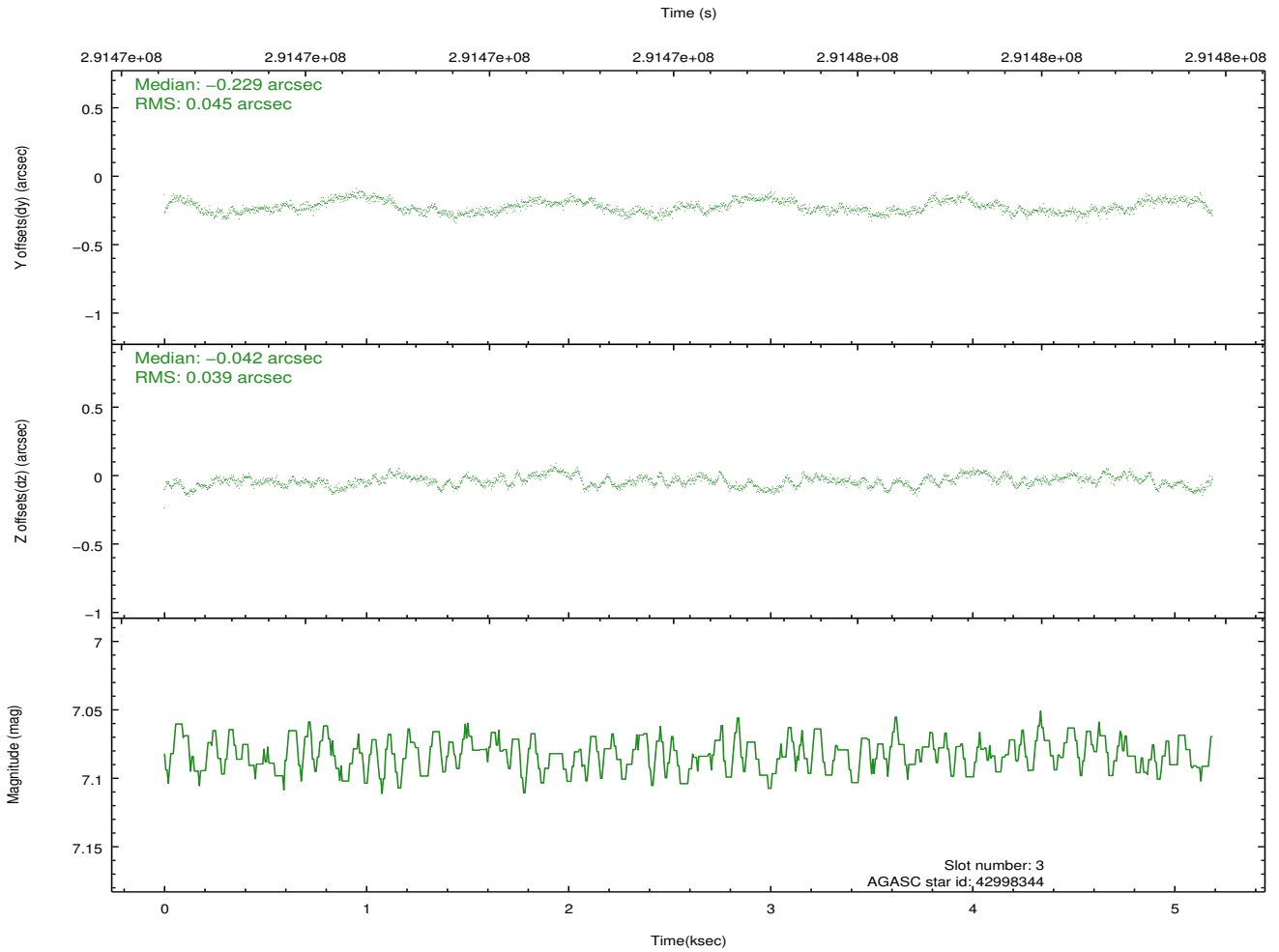
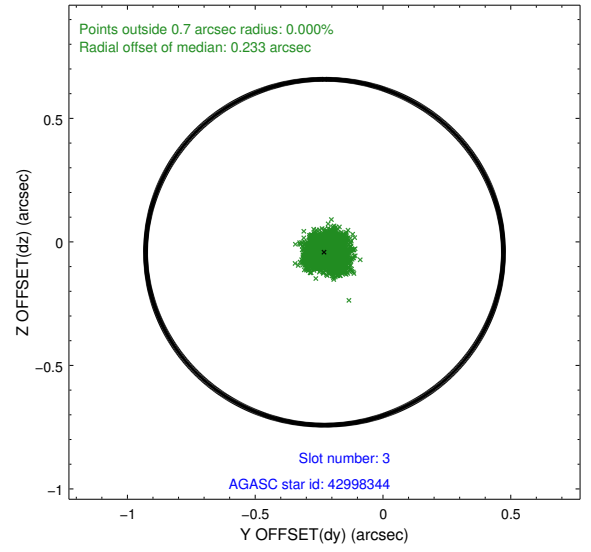
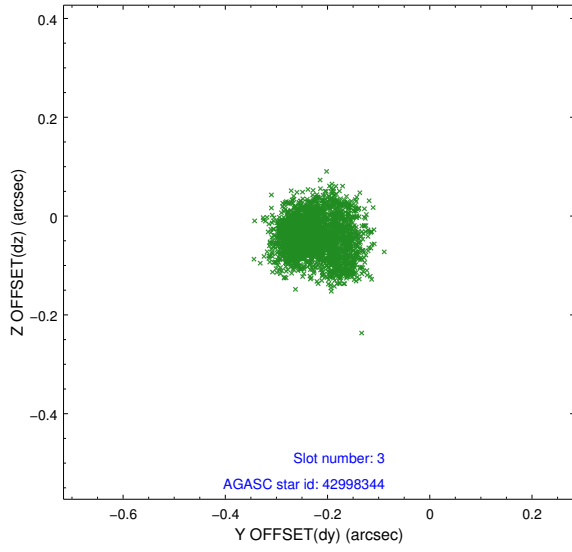
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1266	0.034	0.016	0.007	0.011	0.000000	0.000000	925.97	-837.46
1	FID	ACIS-I-5	7.23	1266	-0.219	0.042	0.006	0.010	0.000000	0.000000	-1821.76	1059.44
2	FID	ACIS-I-6	7.24	1266	0.094	0.013	0.007	0.012	0.000000	0.000000	390.29	1705.26
3	GUIDE	42998344	7.08	2532	-0.229	-0.042	0.065	0.099	219.477806	3.522009	-461.95	640.98
4	GUIDE	43000552	8.99	2530	0.045	0.025	0.092	0.146	219.436885	3.332694	-1103.35	916.25
5	GUIDE	43001464	9.68	2529	0.073	-0.068	0.130	0.207	219.302574	2.996170	-2202.57	1616.80
6	GUIDE	43005184	9.78	2522	-0.045	-0.083	0.114	0.183	219.454246	3.772983	440.61	554.46
7	GUIDE	43007112	9.53	2529	0.164	0.166	0.115	0.185	219.500279	3.591142	-232.19	515.22

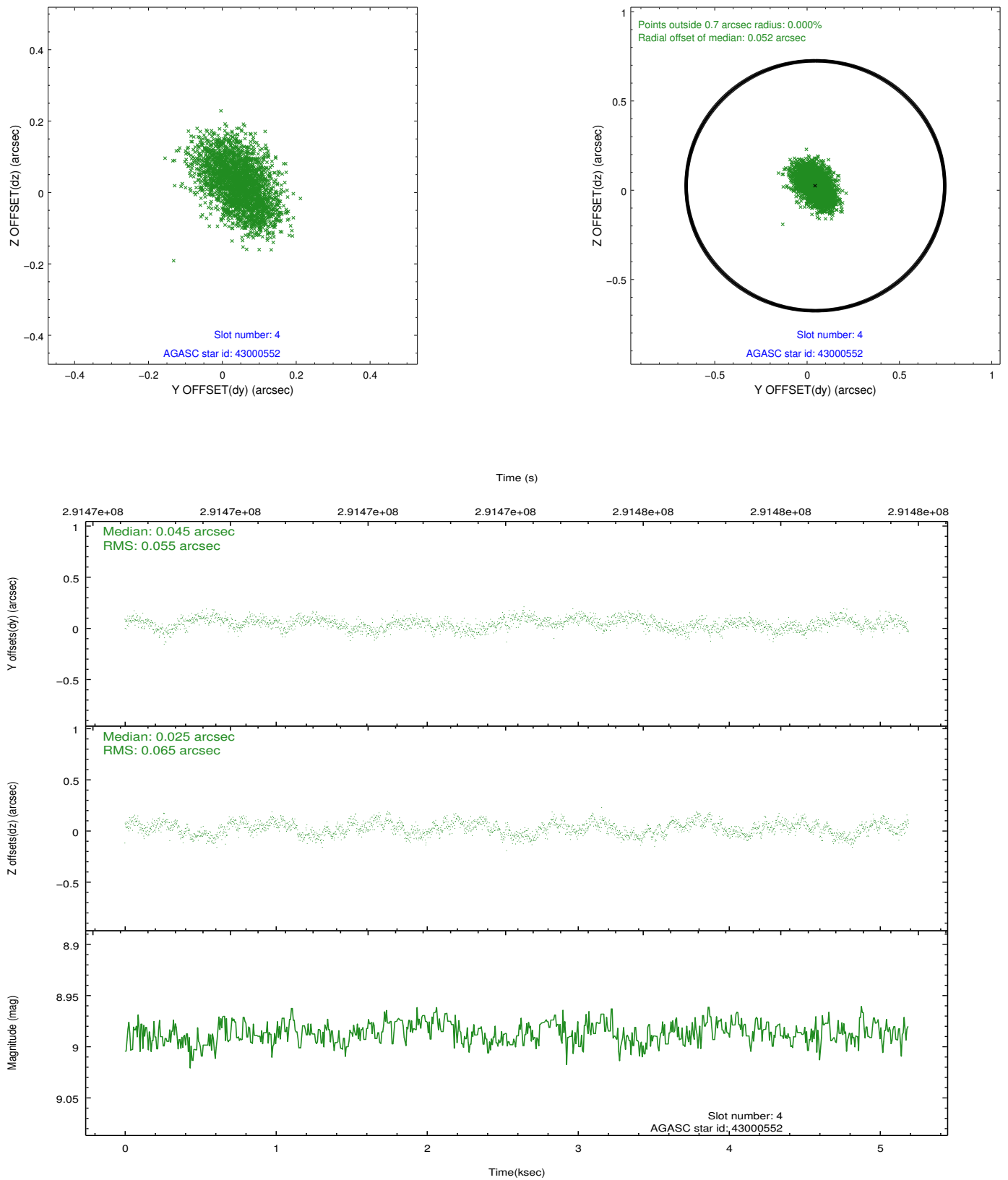
∞

2.4 Star Slots

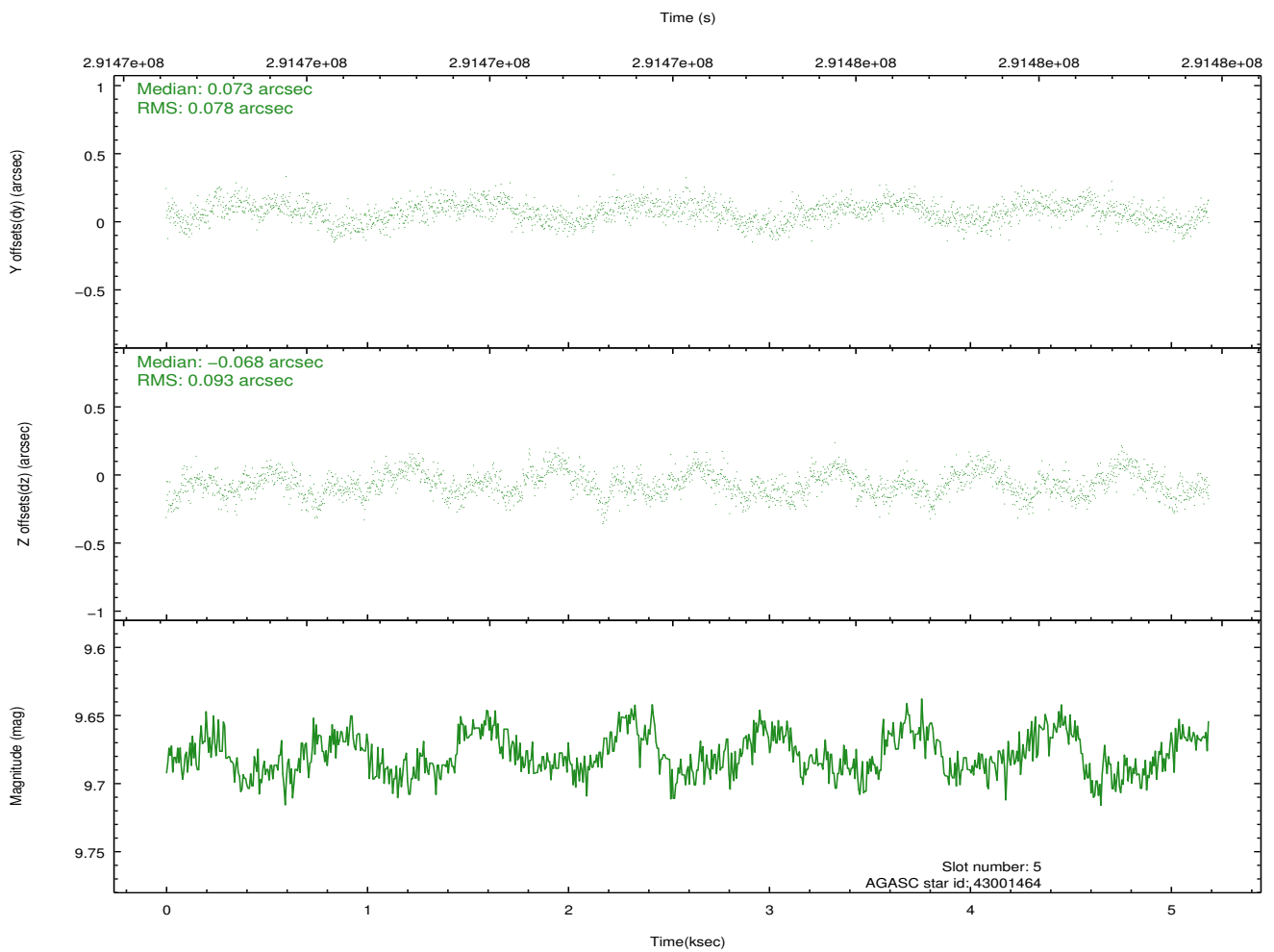
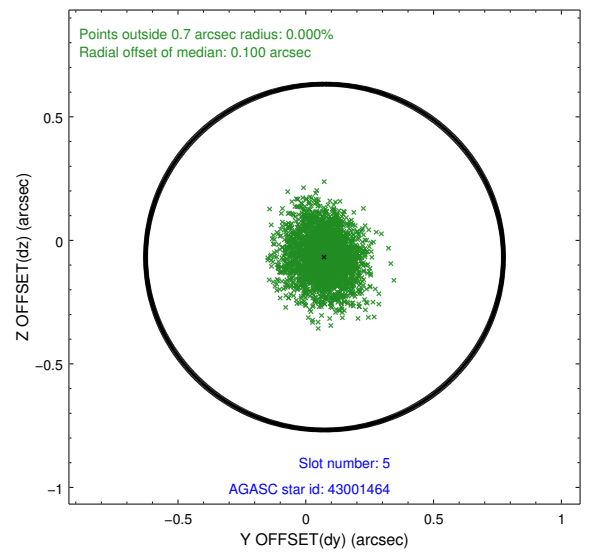
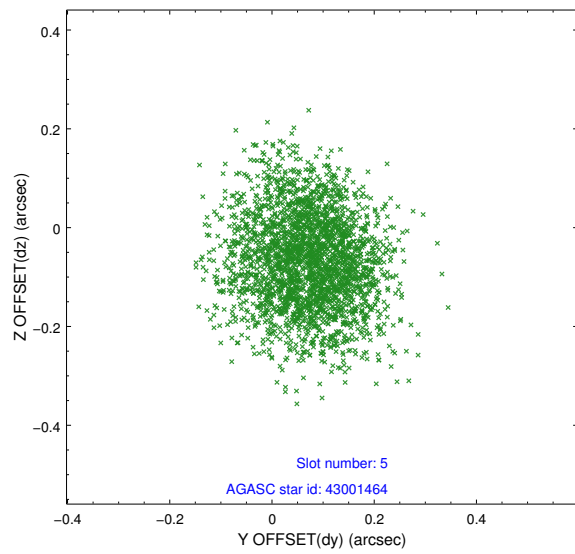
2.4.1 Slot 3



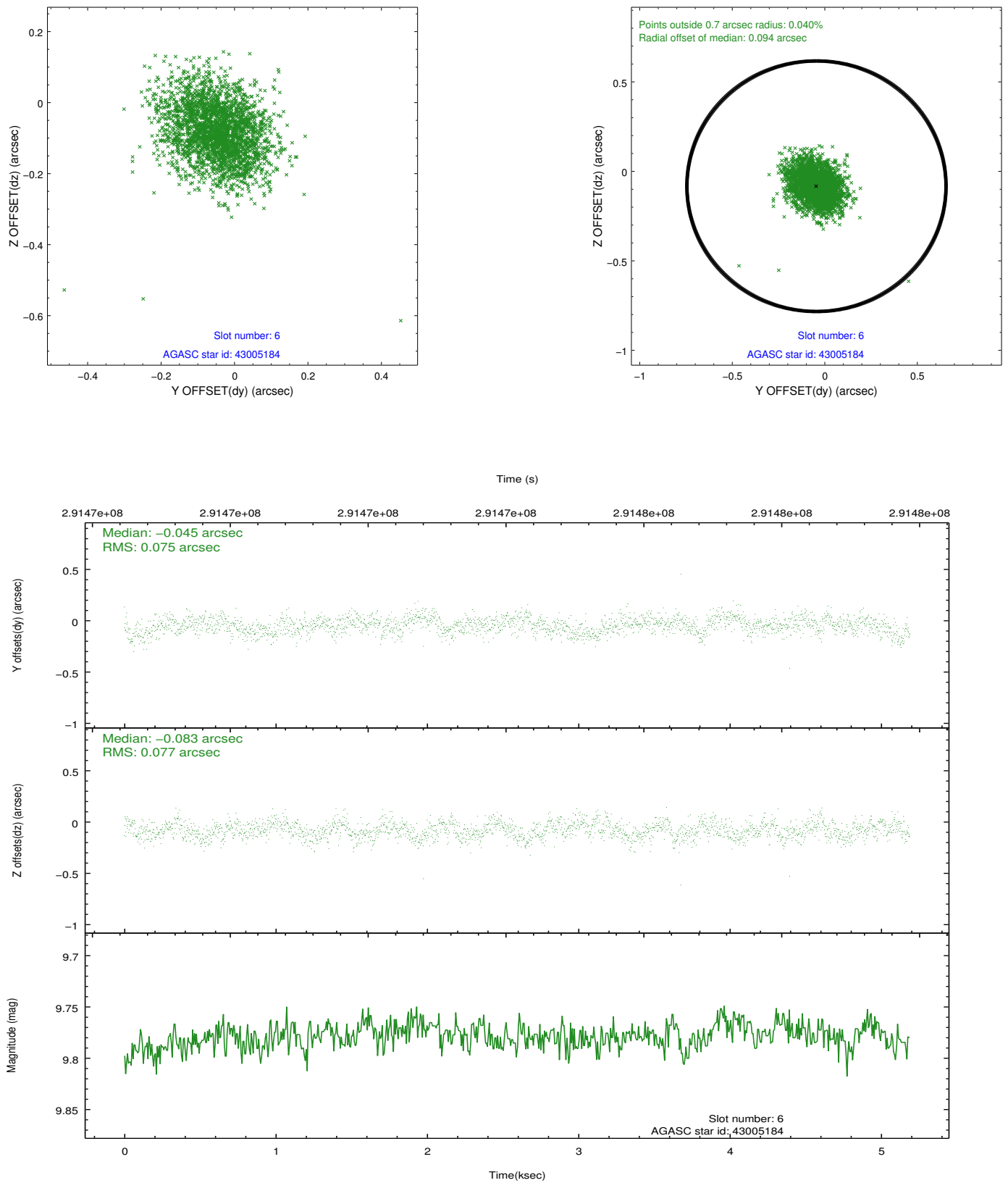
2.4.2 Slot 4



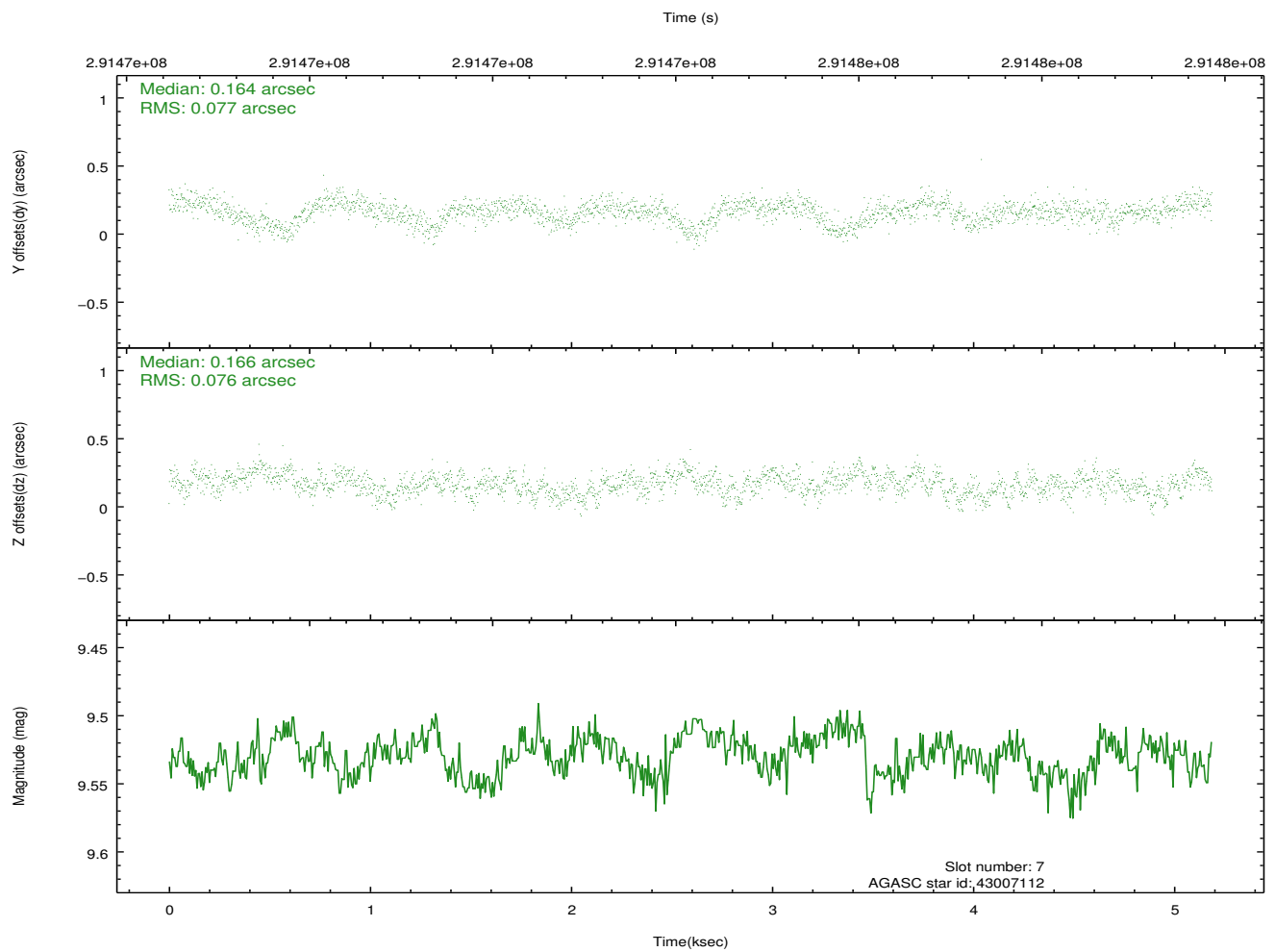
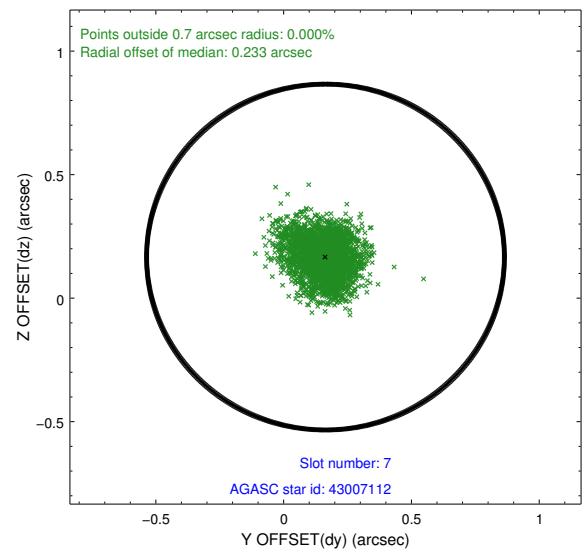
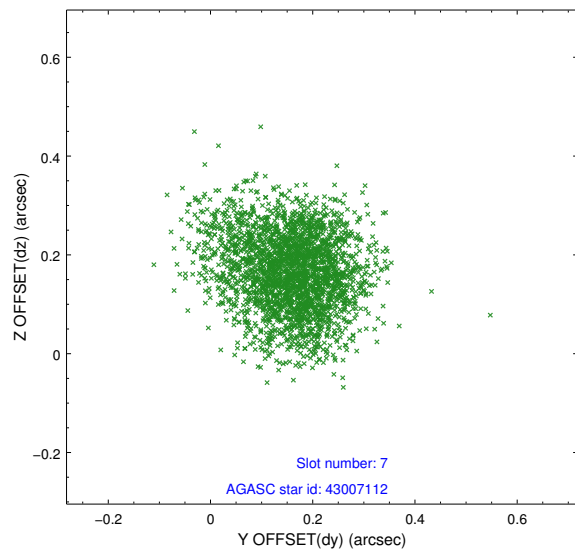
2.4.3 Slot 5



2.4.4 Slot 6

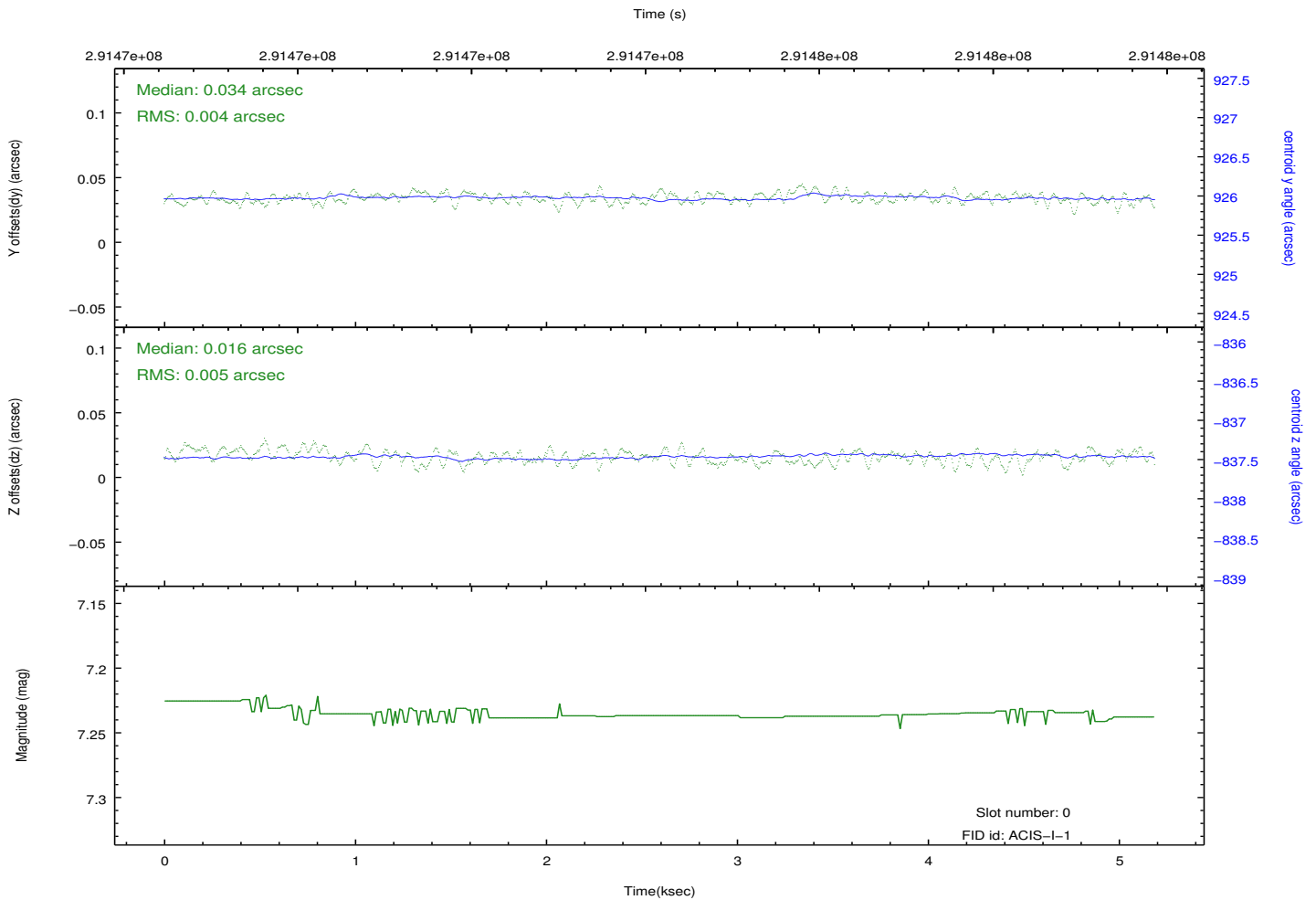
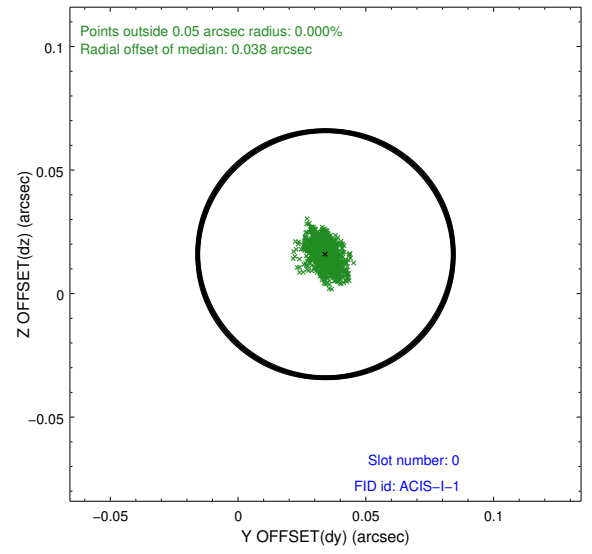
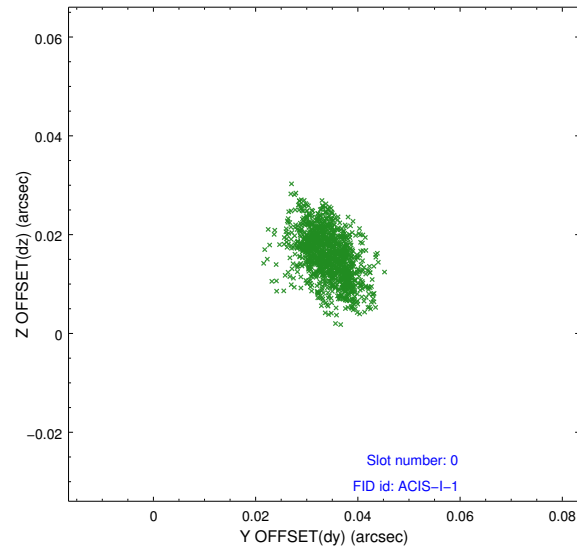


2.4.5 Slot 7

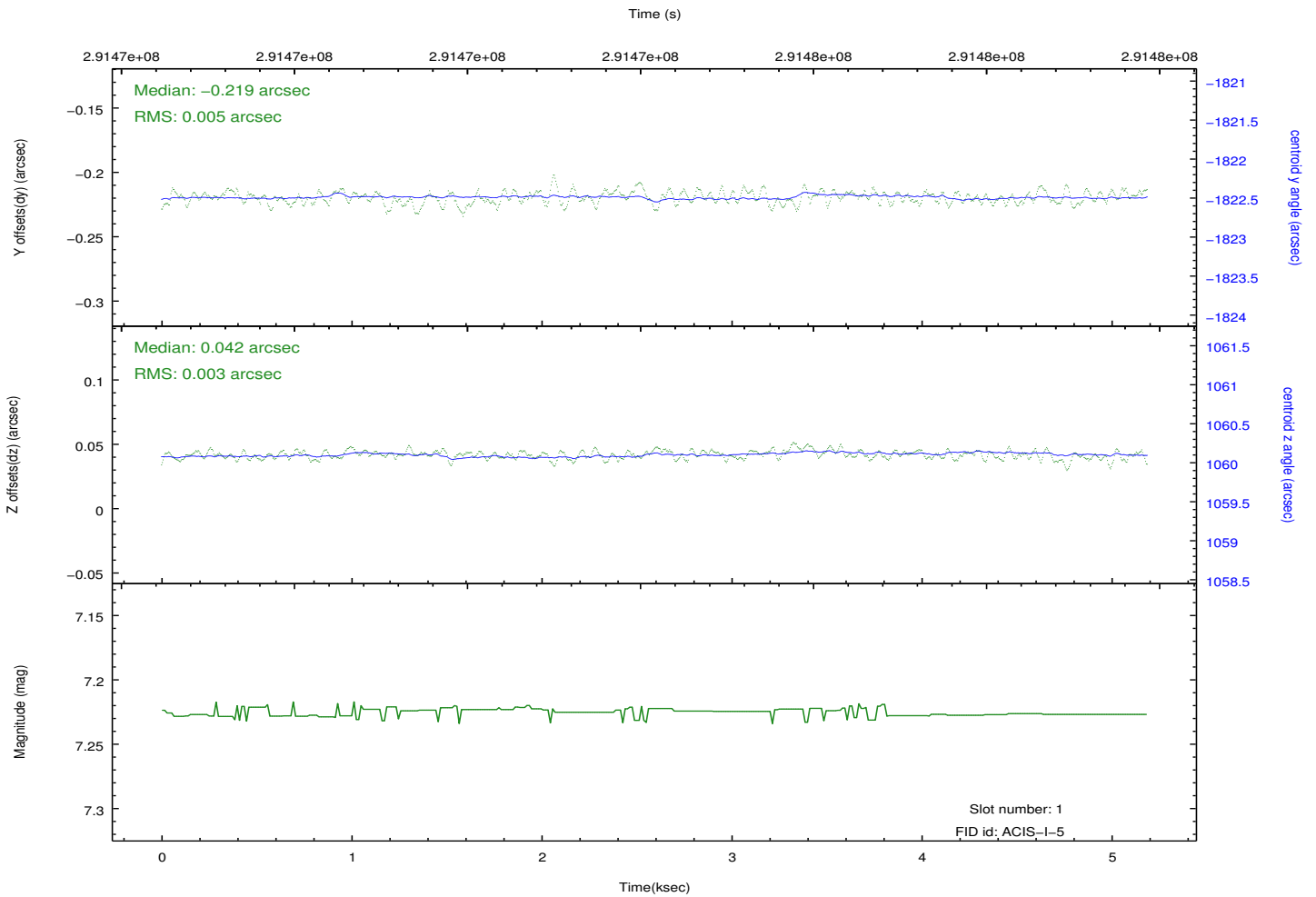
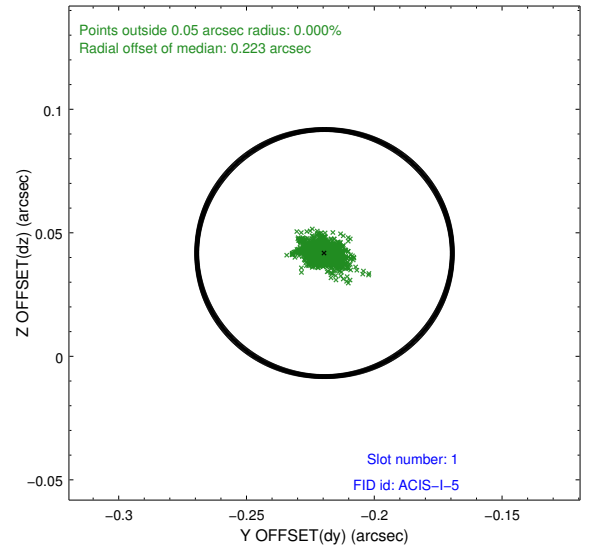
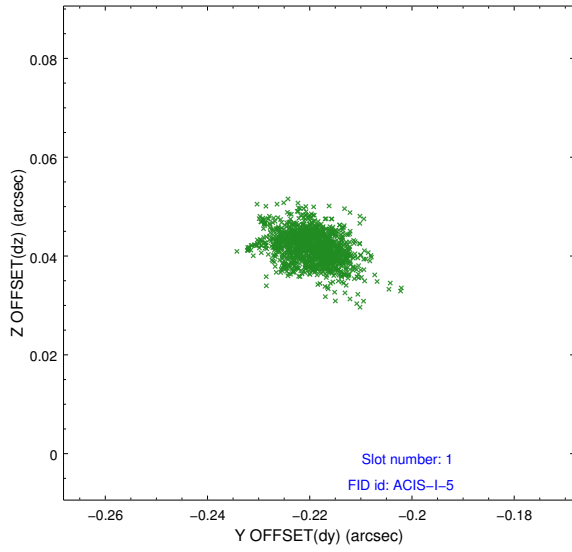


2.5 FID Slots

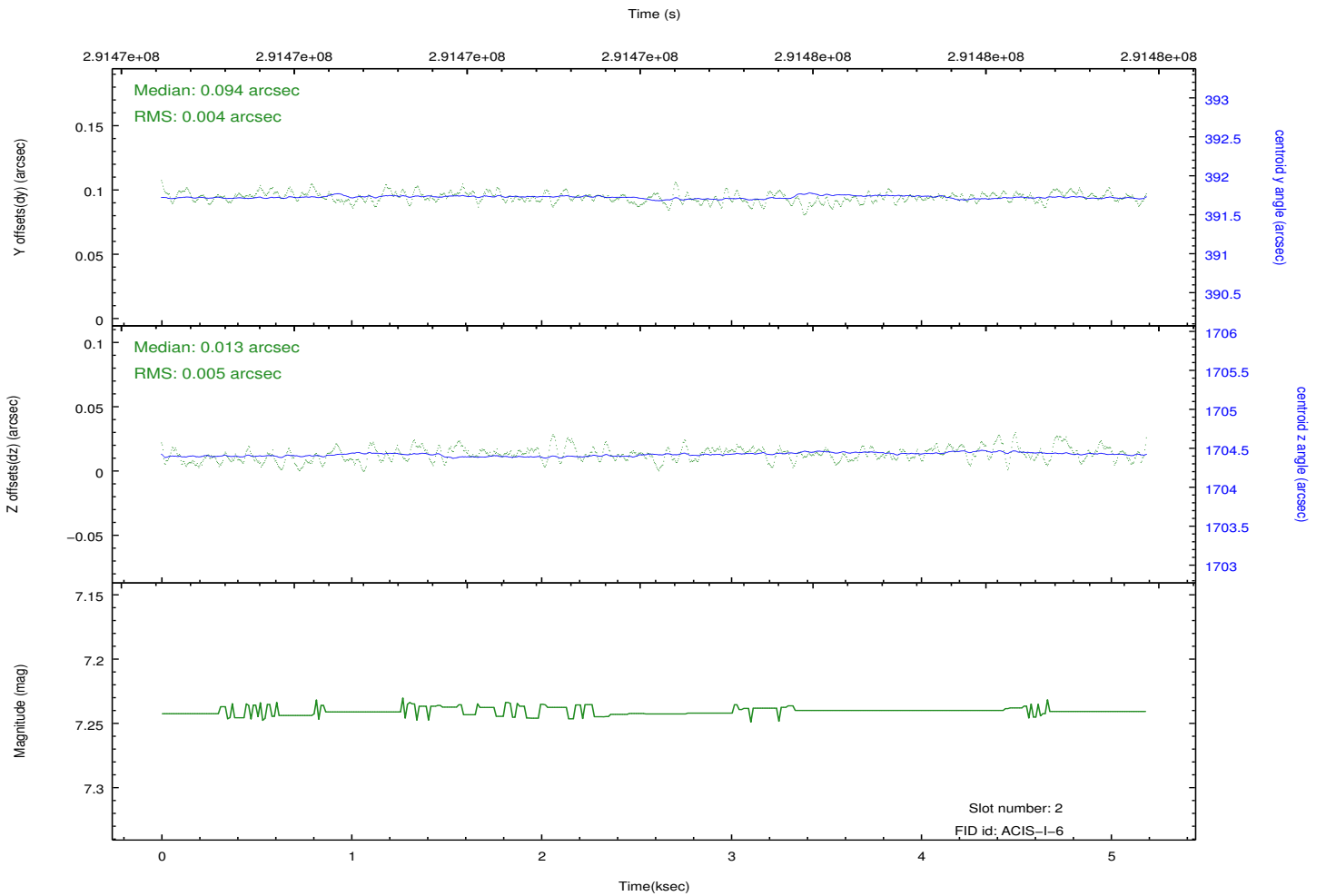
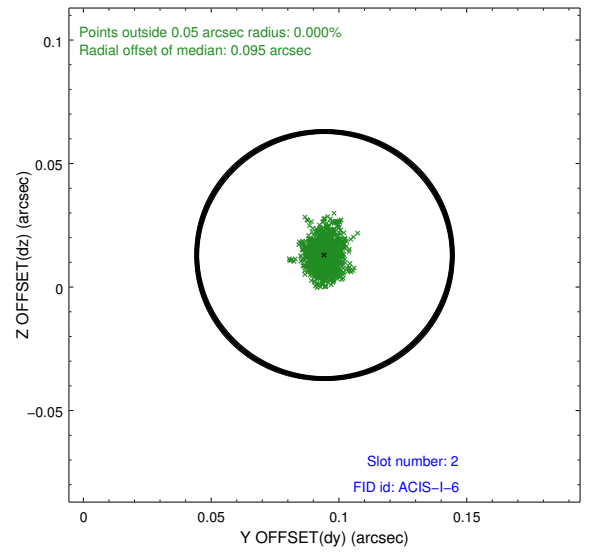
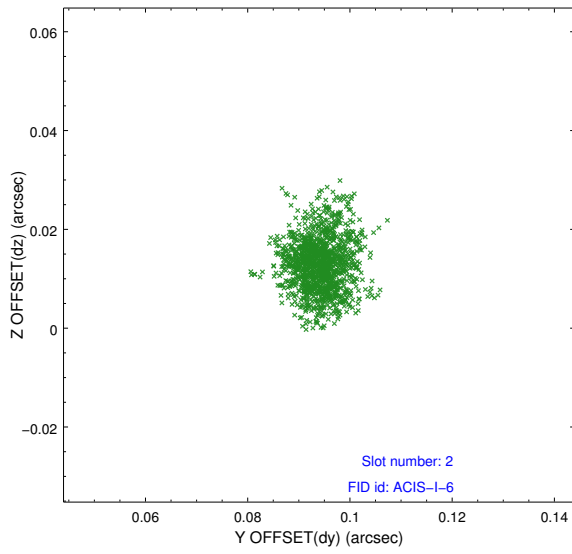
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18010003

A.2 Comments