

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 16187 - L2 Version 1
Chandra X-Ray Center

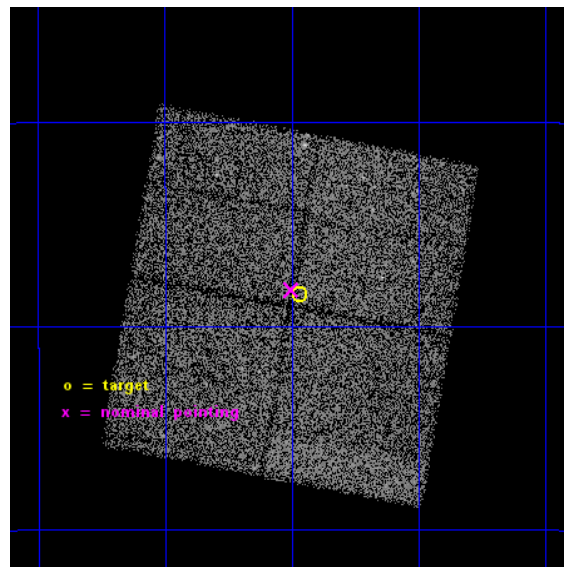
L2 Processing Date : Nov 3 2014

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1 Front

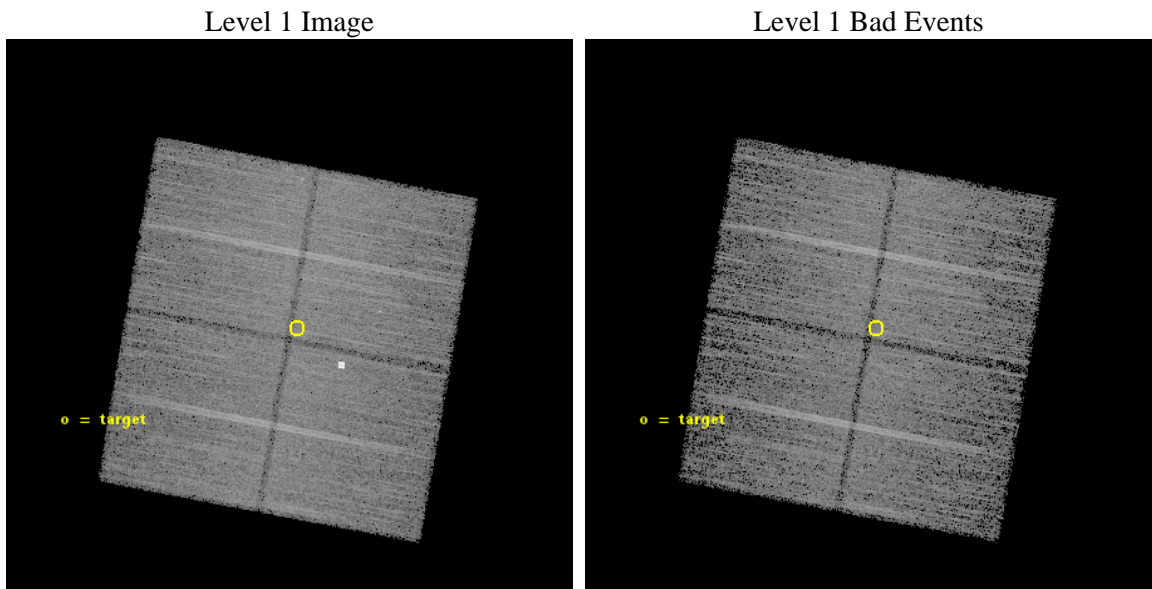
seq_num	901115	Sequence number
obs_id	16187	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.12526544929	Nominal RA [deg]
dec_nom	-27.803553806584	Nominal Dec [deg]
roll_nom	10.212500211805	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28442.418178201	Sum of GTIs [s]
livetime	28070.797045699	Livetime [s]
ontime0	28448.700218797	Sum of GTIs [s]
ontime1	28445.559188426	Sum of GTIs [s]
ontime2	28436.13609761	Sum of GTIs [s]
ontime3	28442.418178201	Sum of GTIs [s]
l2events	56439	Number of level 2 events



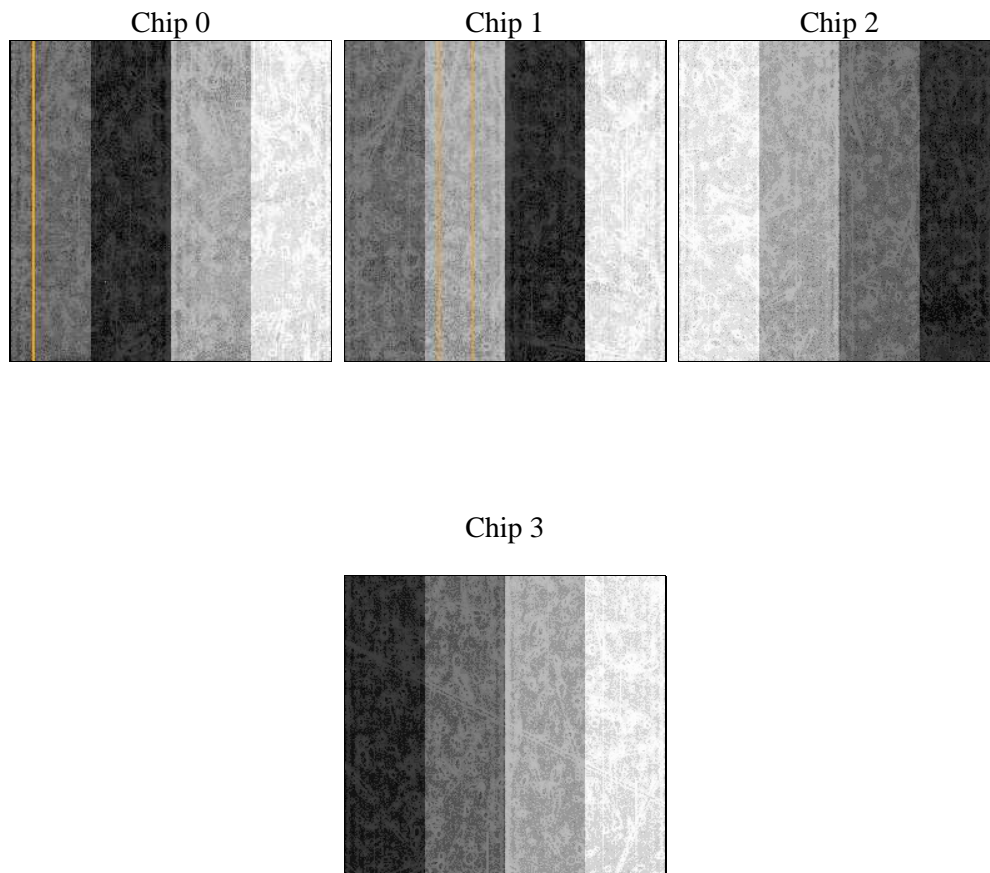
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28357.724000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	28442.418178201	Sum of GTIs [s]
caldsver	4.6.4	 	ontime0	28448.700218797	Sum of GTIs [s]
date	2014-11-04T02:51:33	Date and time of file creation	ontime1	28445.559188426	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	28436.13609761	Sum of GTIs [s]
			ontime3	28442.418178201	Sum of GTIs [s]
			l1events	565304	Number of level 1 events

2.1.4 Events

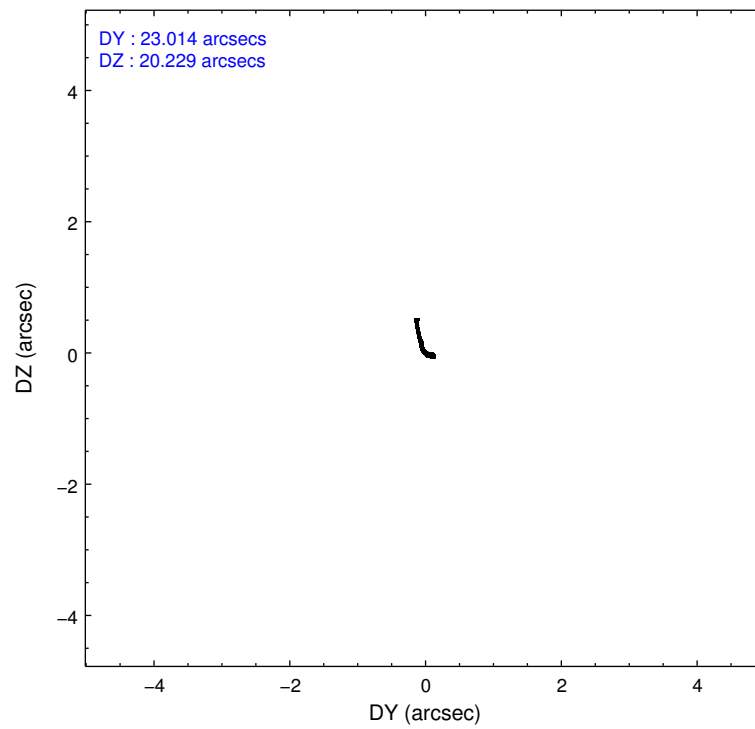
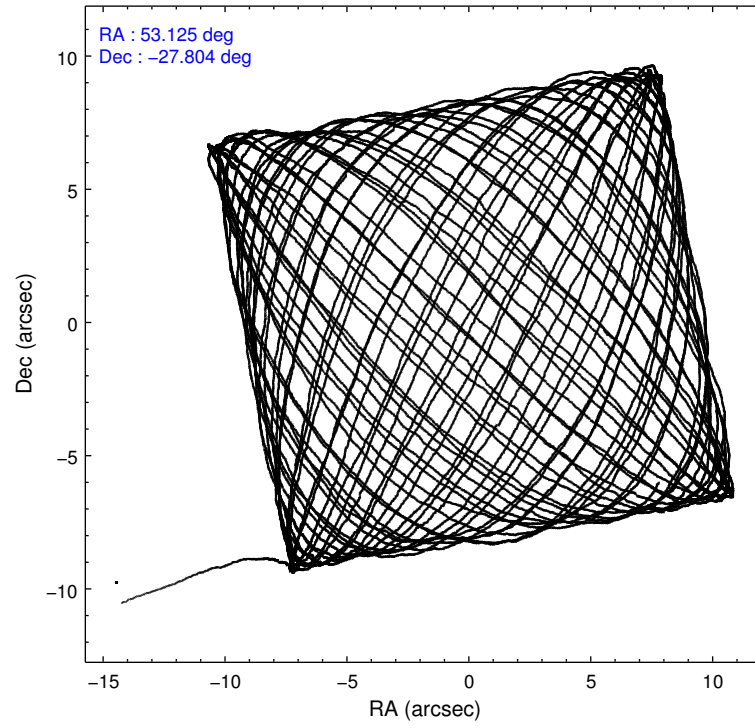
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	127880	143152	145929	148343
rejected events	110423	116043	127894	132388
rejected %	86%	81%	87%	89%

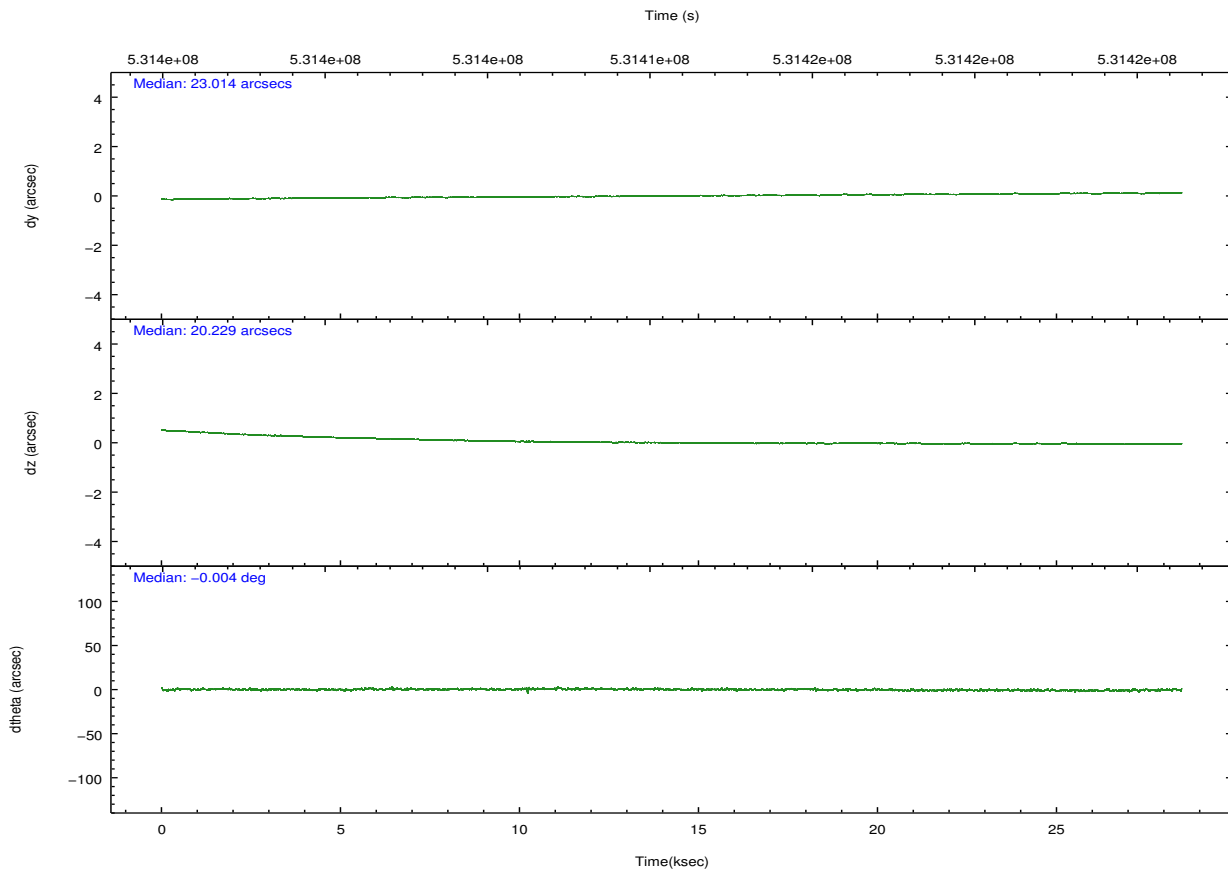
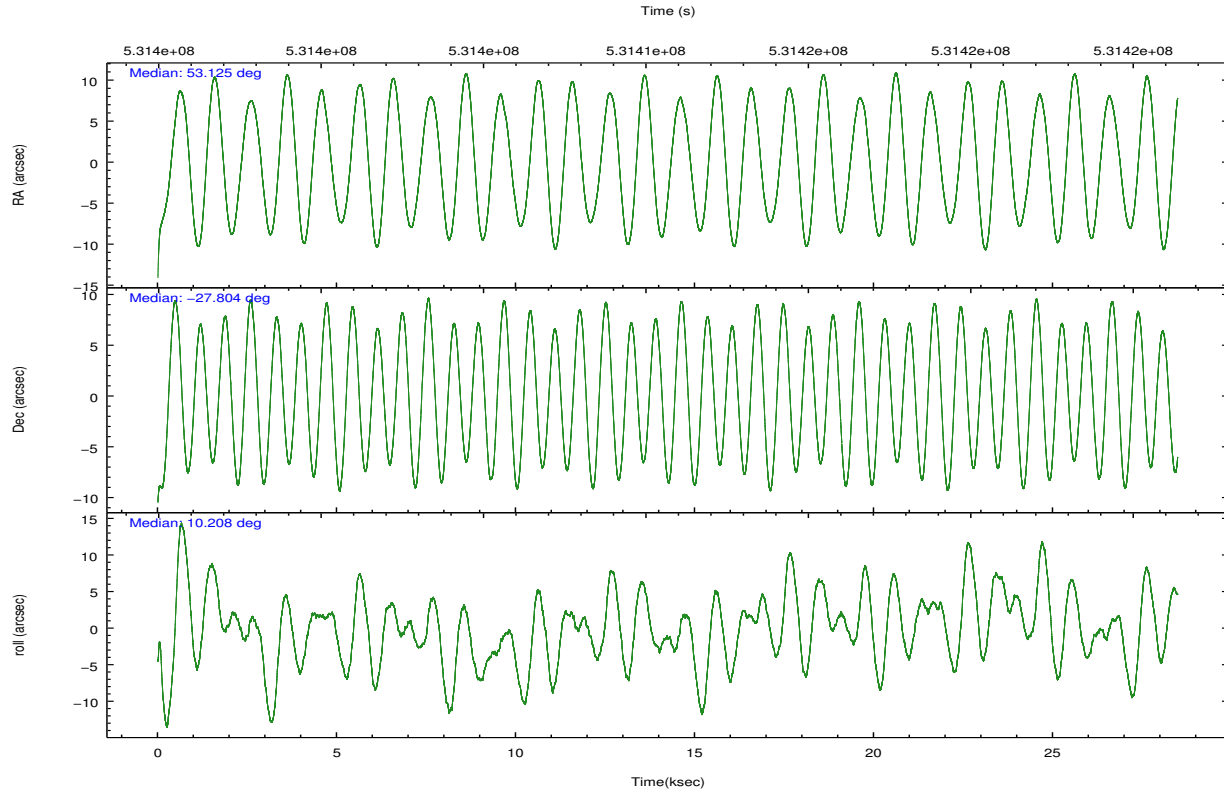
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	6102	14871	6618	5569
	4%	10%	4%	3%
grade 1 events	80	108	87	102
	0%	0%	0%	0%
grade 2 events	4584	4499	4434	3689
	3%	3%	3%	2%
grade 3 events	1664	1839	1643	1638
	1%	1%	1%	1%
grade 4 events	1590	1822	1940	1709
	1%	1%	1%	1%
grade 5 events	6760	6908	6365	7479
	5%	4%	4%	5%
grade 6 events	3520	4081	3400	3351
	2%	2%	2%	2%
grade 7 events	103580	109024	121442	124806
	80%	76%	83%	84%

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	53.101531	53.1252654492904	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.821438	-27.80355380658377	Alternating exposures requested	N	N
[deg] Pointing Roll	9.992741	10.21250021180511	[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)	531396557.184000	531395077.38249			
Observation start date	2014-11-03T10:08:10	2014-11-03T09:44:37			
[s] Observation end time (MET)	531424914.184000	531425151.39667			
Observation end date	2014-11-03T18:00:47	2014-11-03T18:05:51			
Read mode	TIMED	TIMED			

2.3 Aspect





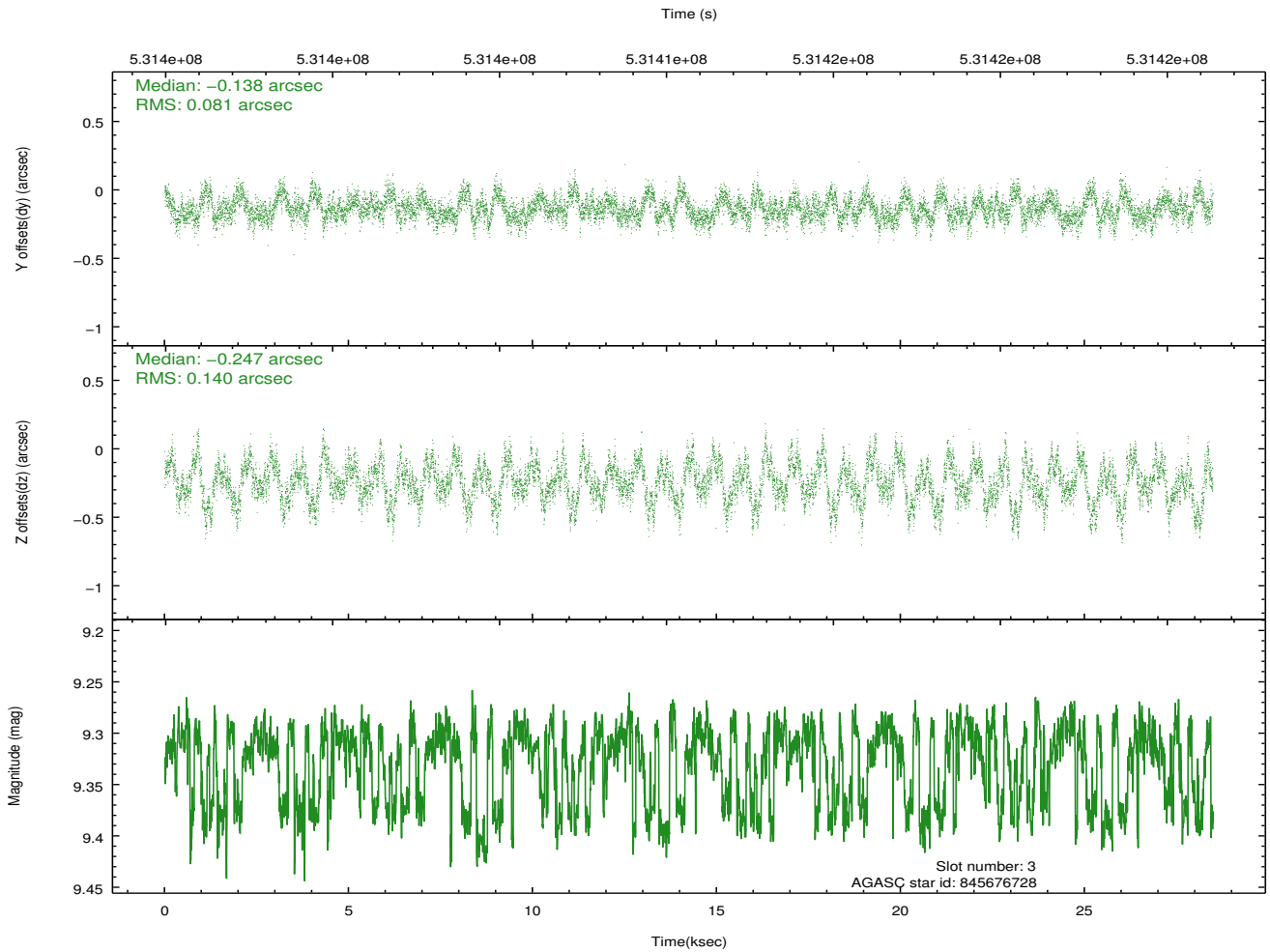
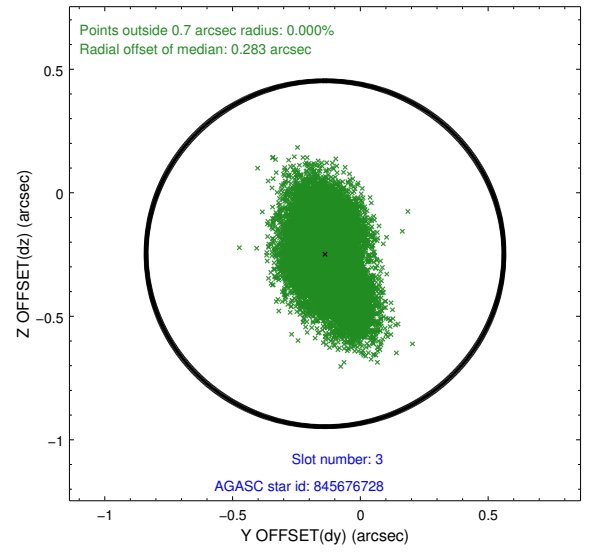
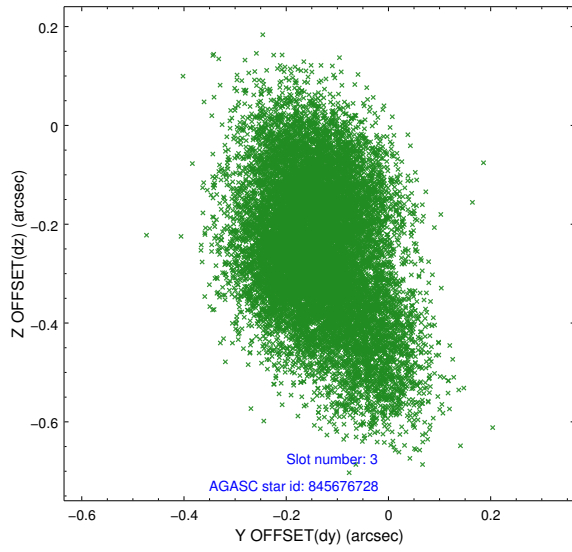
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.04	6946	-0.147	-0.085	0.013	0.021	0.000000	0.000000	-778.07	-850.50
1	FID		ACIS-I-4	7.08	6947	0.350	0.105	0.009	0.016	0.000000	0.000000	2136.39	1055.90
2	FID		ACIS-I-5	7.12	6948	-0.303	0.049	0.011	0.019	0.000000	0.000000	-1832.00	1053.67
3	GUIDE	used	845676728	9.32	13886	-0.138	-0.247	0.168	0.292	52.877179	-27.664318	-606.12	680.28
4	GUIDE	used	845807880	8.78	13885	-0.251	0.010	0.111	0.186	53.382027	-27.886093	838.68	-384.93
5	GUIDE	used	845814592	9.02	13889	-0.030	0.014	0.153	0.245	53.853010	-28.336603	2024.33	-2249.03
6	GUIDE	used	845683408	9.19	13888	0.229	0.273	0.127	0.210	52.484531	-28.338862	-2248.40	-1500.47
7	GUIDE	used	845813656	10.12	13805	0.207	-0.046	0.369	0.585	53.922767	-28.083703	2404.33	-1390.88

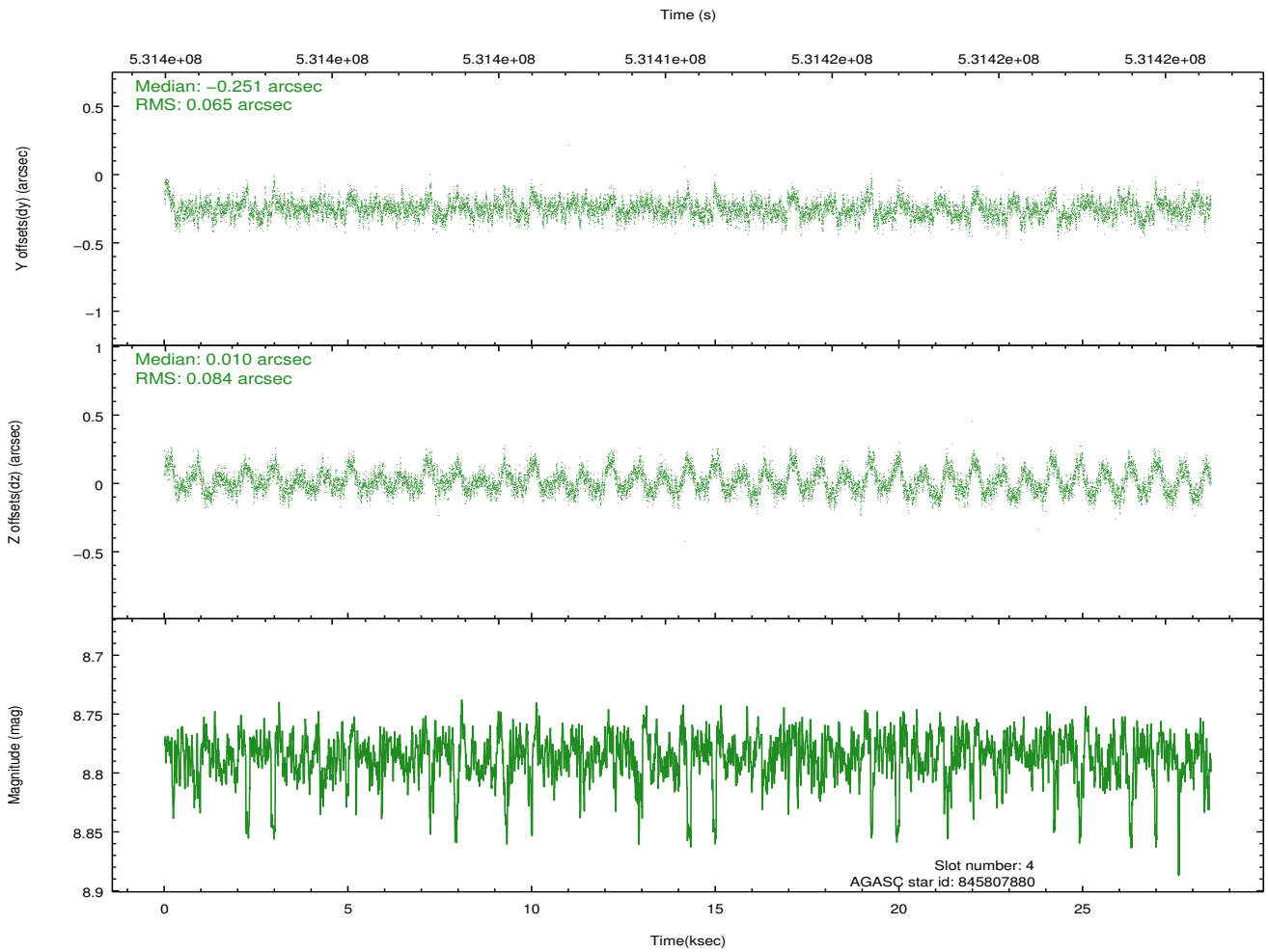
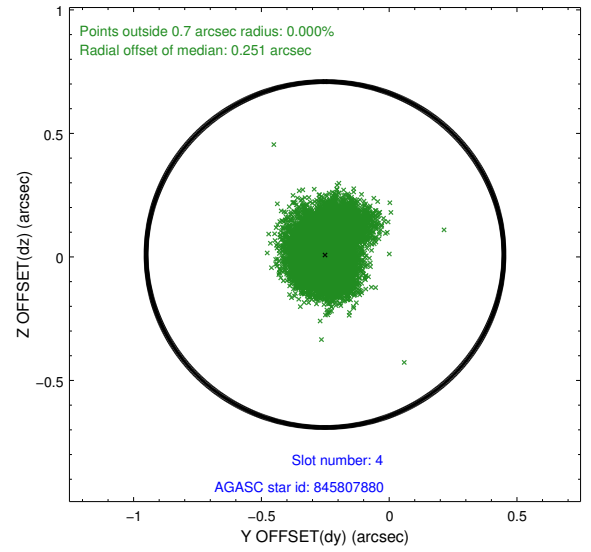
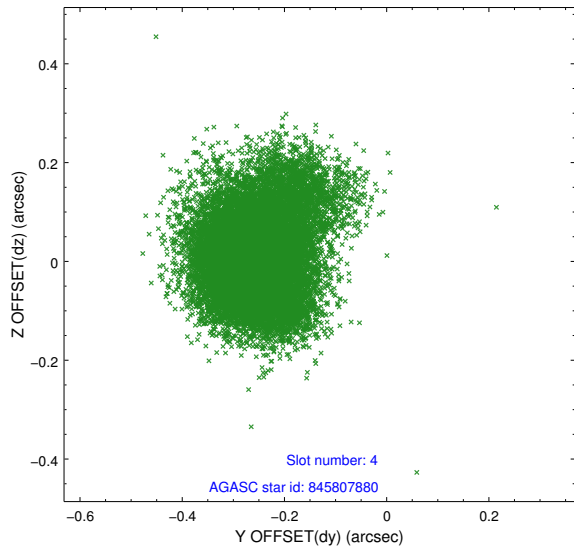
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2.4 Star Slots

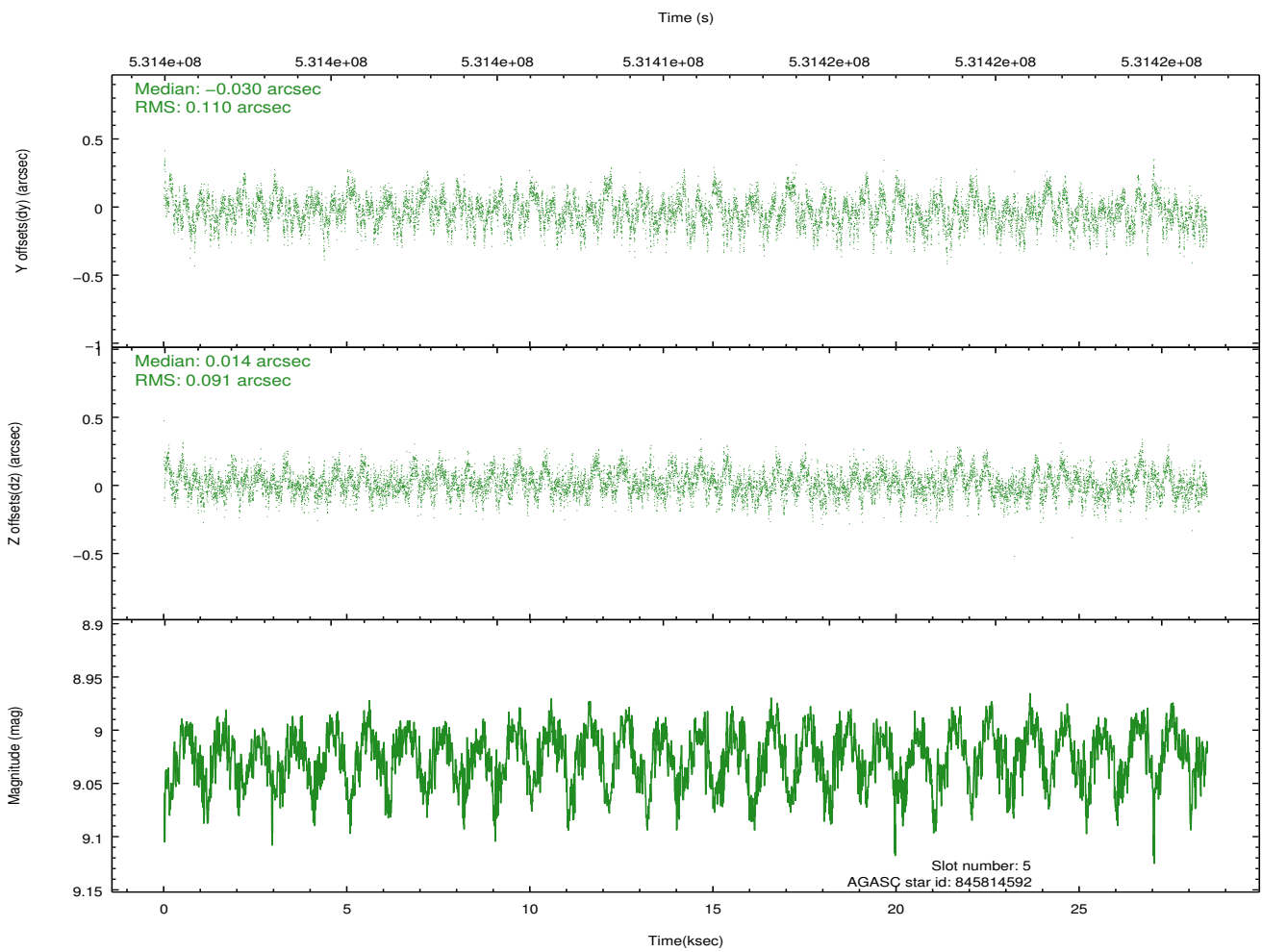
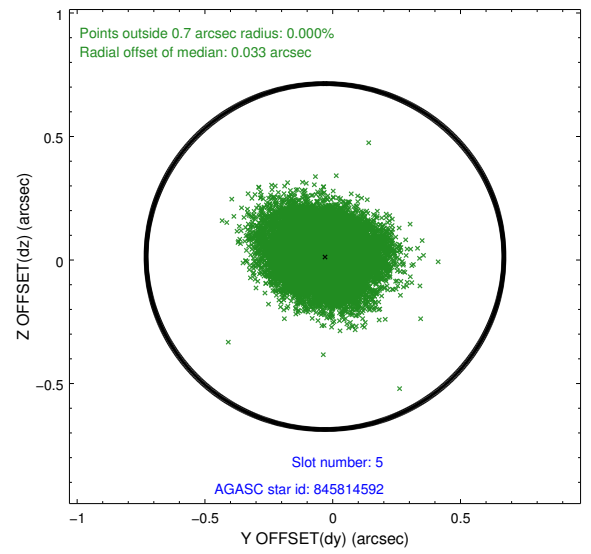
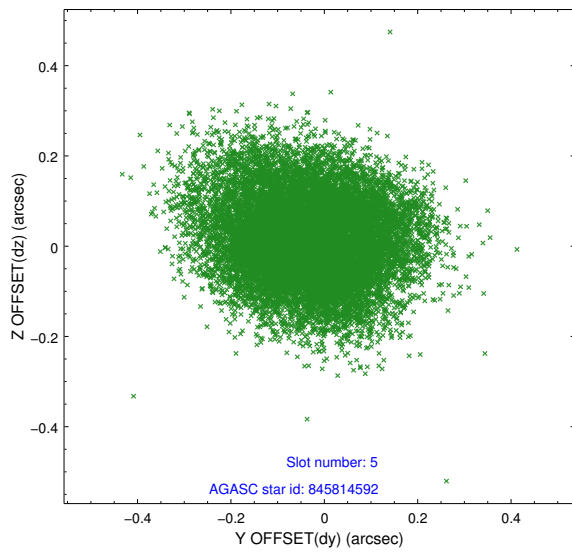
2.4.1 Slot 3



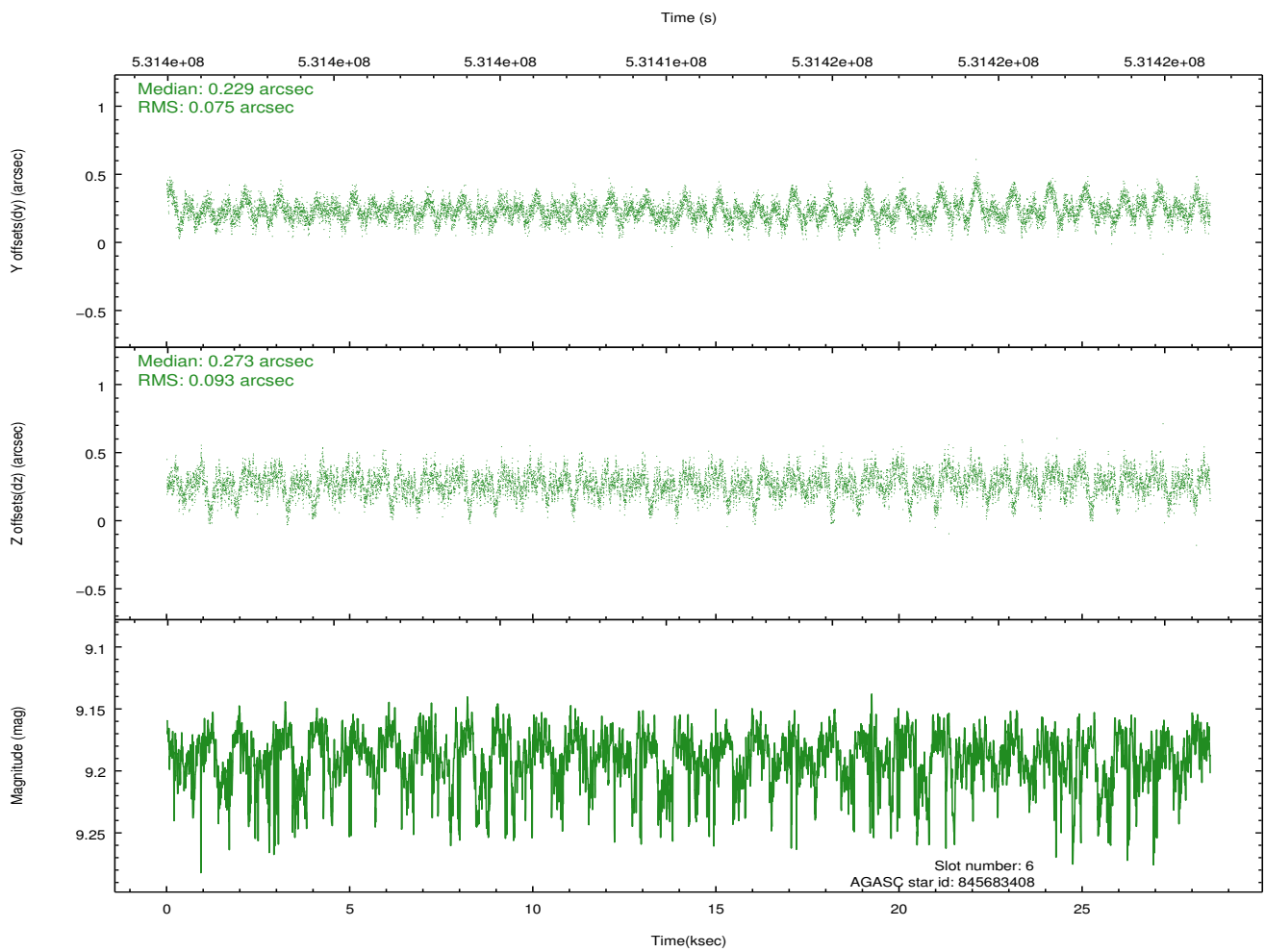
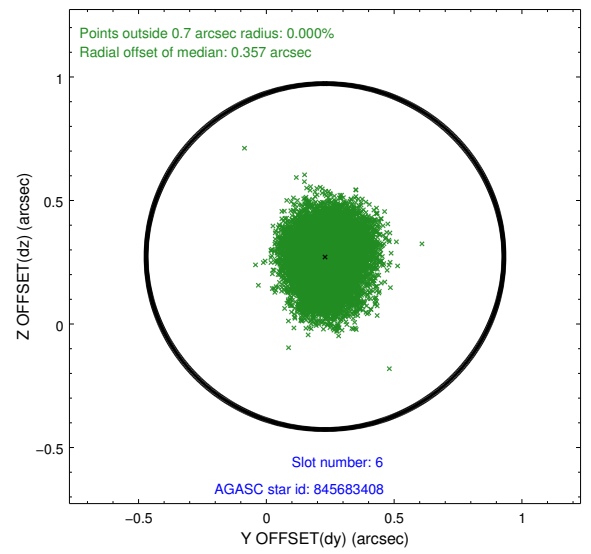
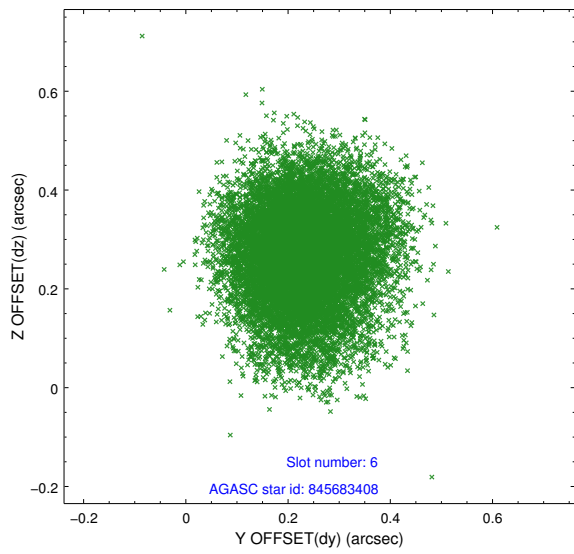
2.4.2 Slot 4



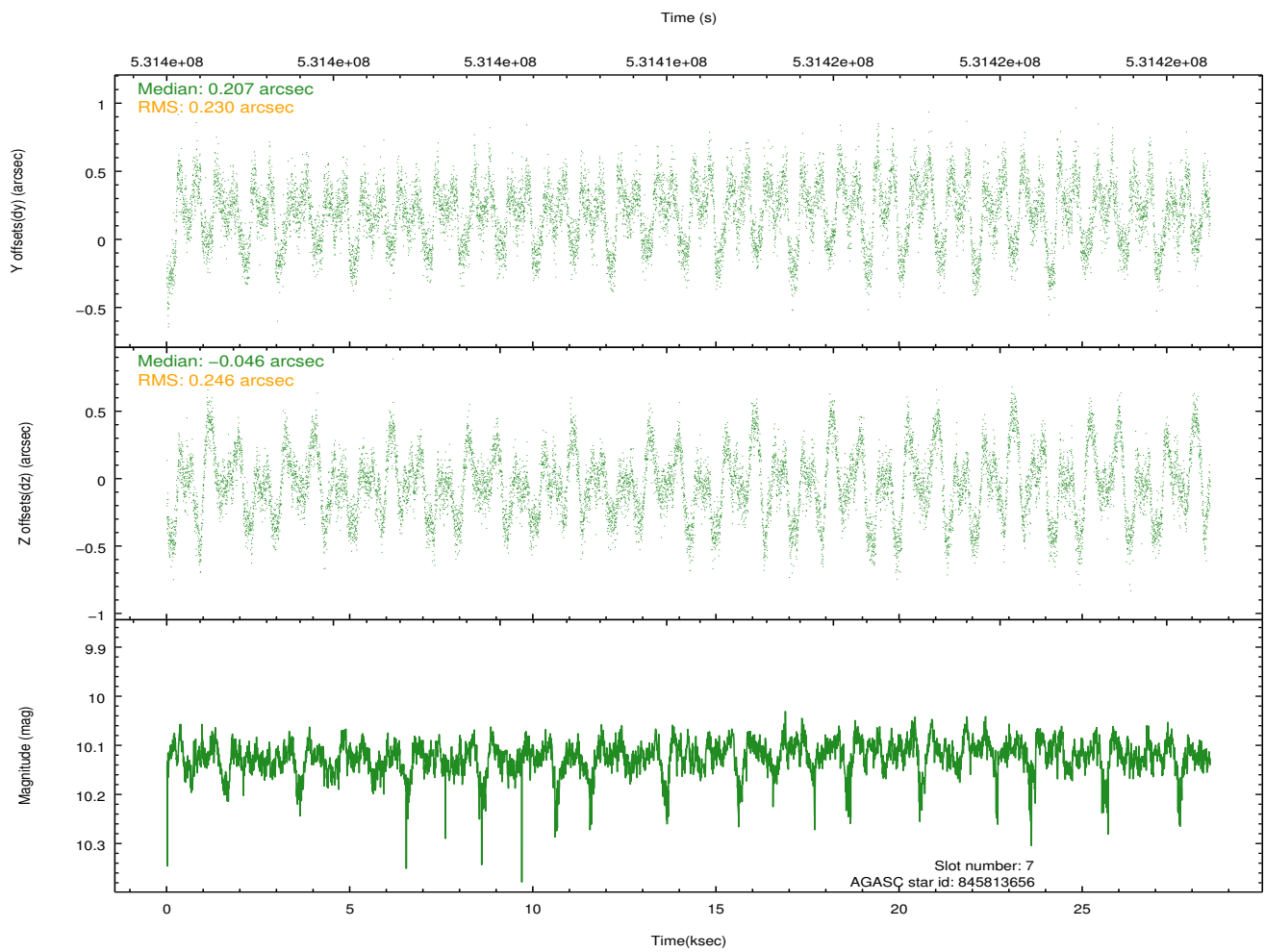
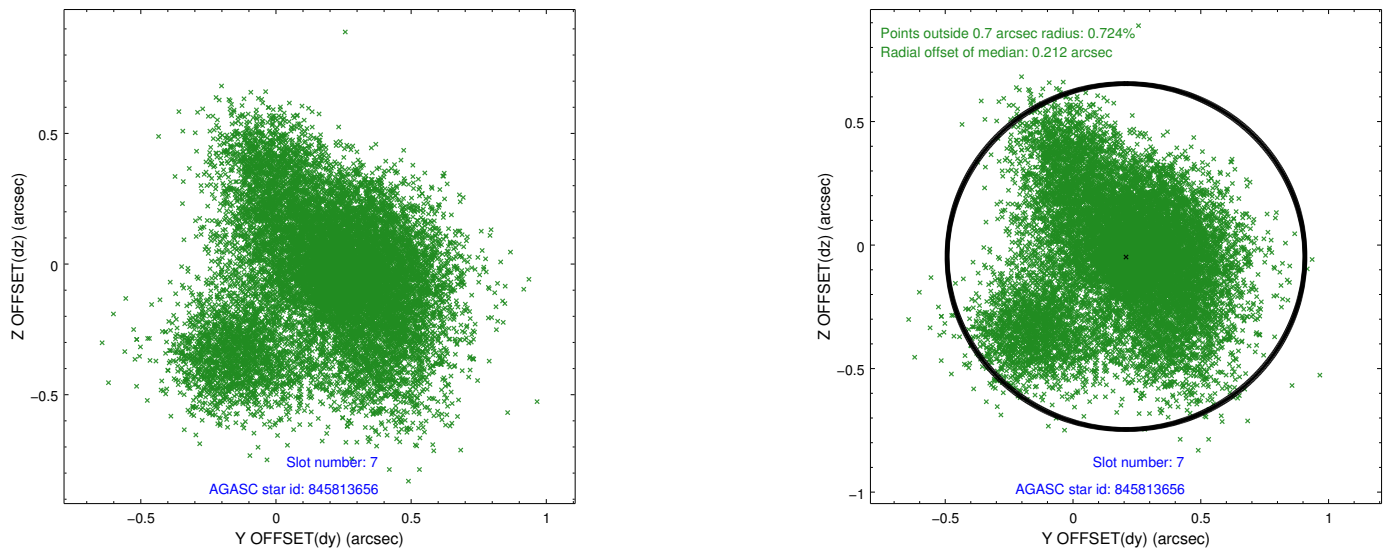
2.4.3 Slot 5



2.4.4 Slot 6

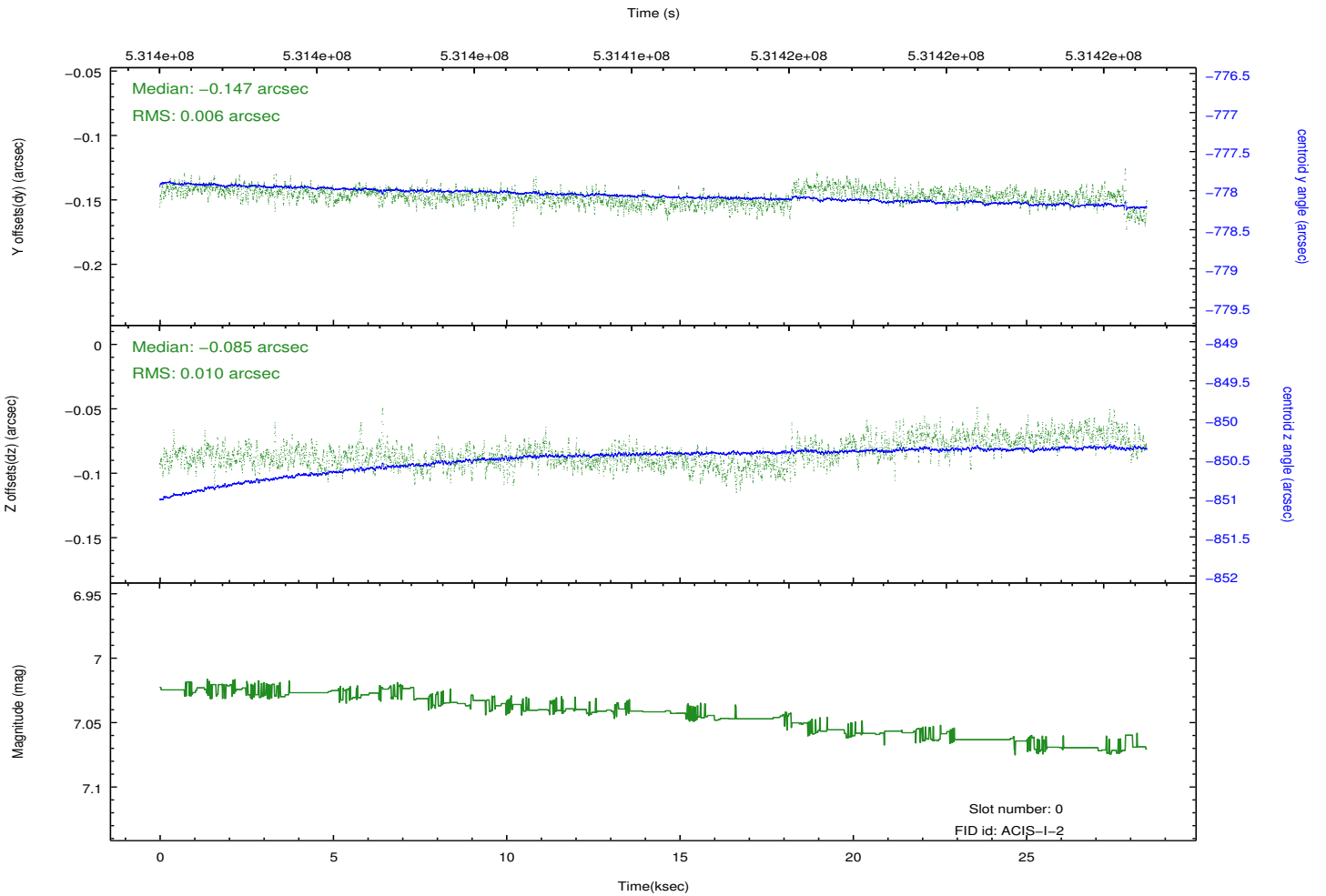
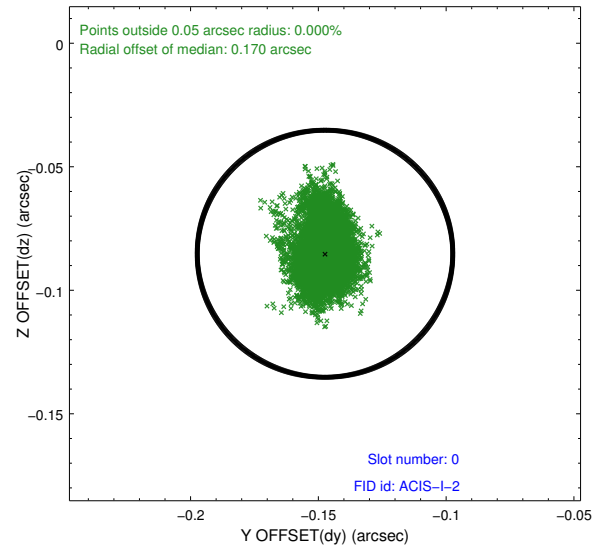
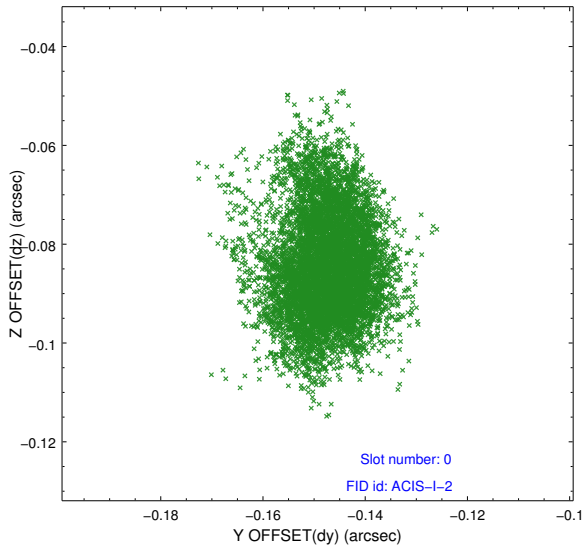


2.4.5 Slot 7

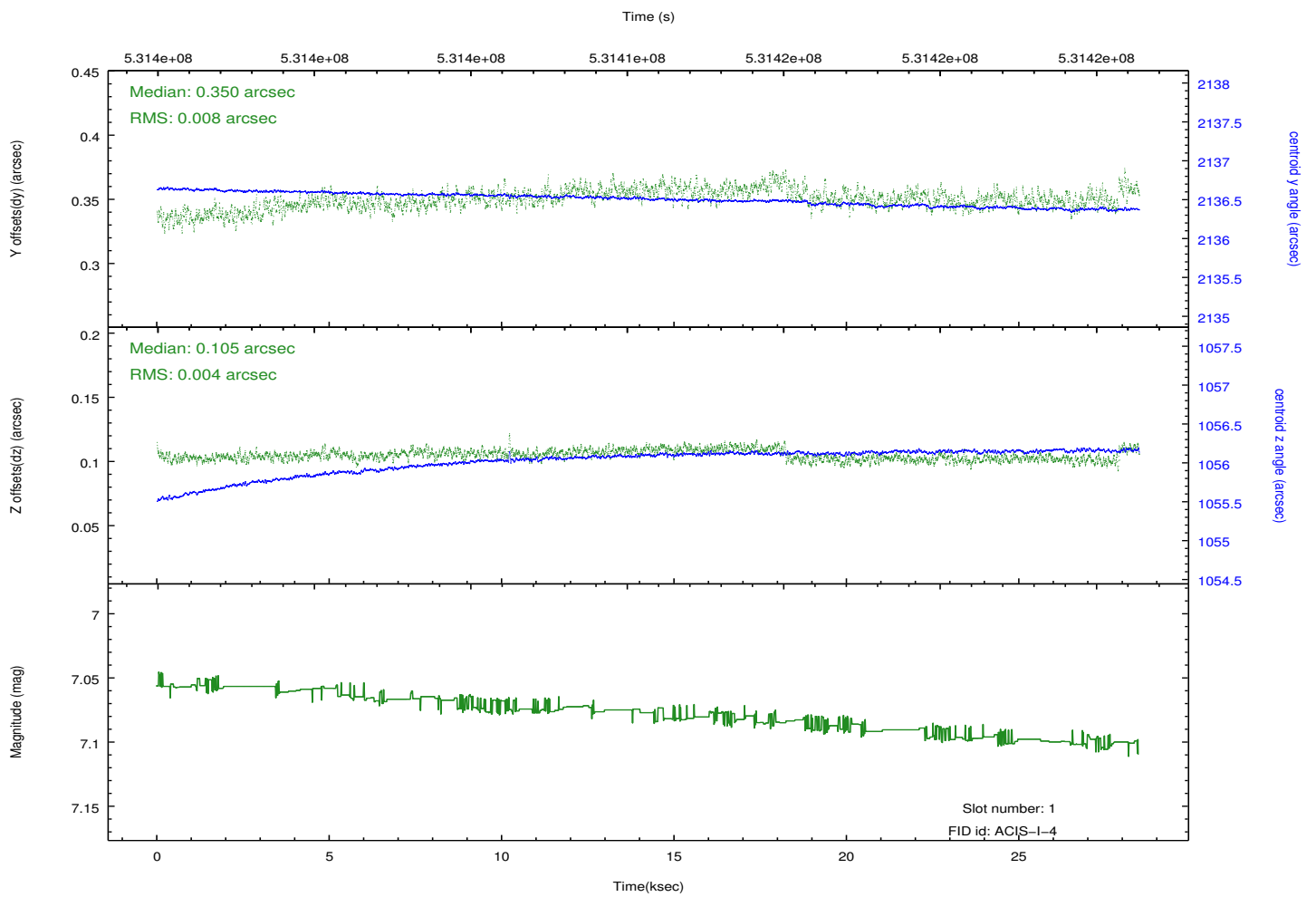
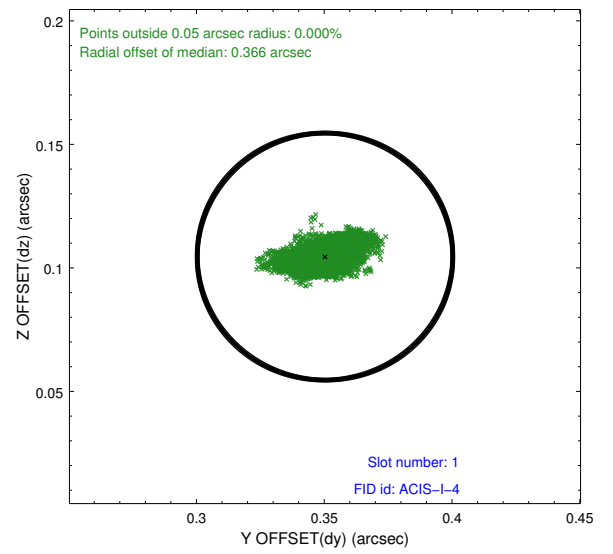
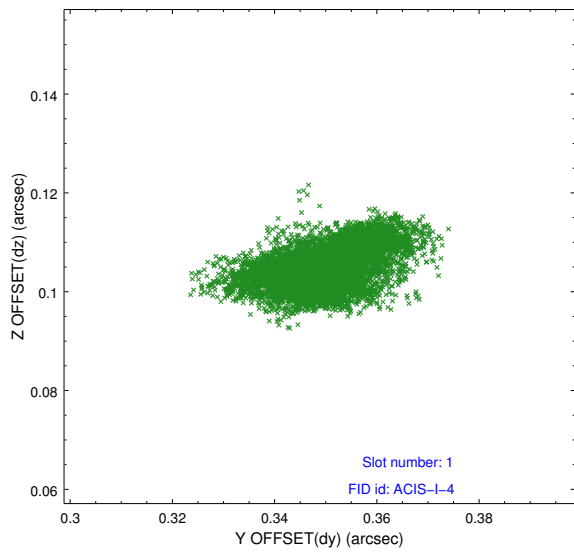


2.5 FID Slots

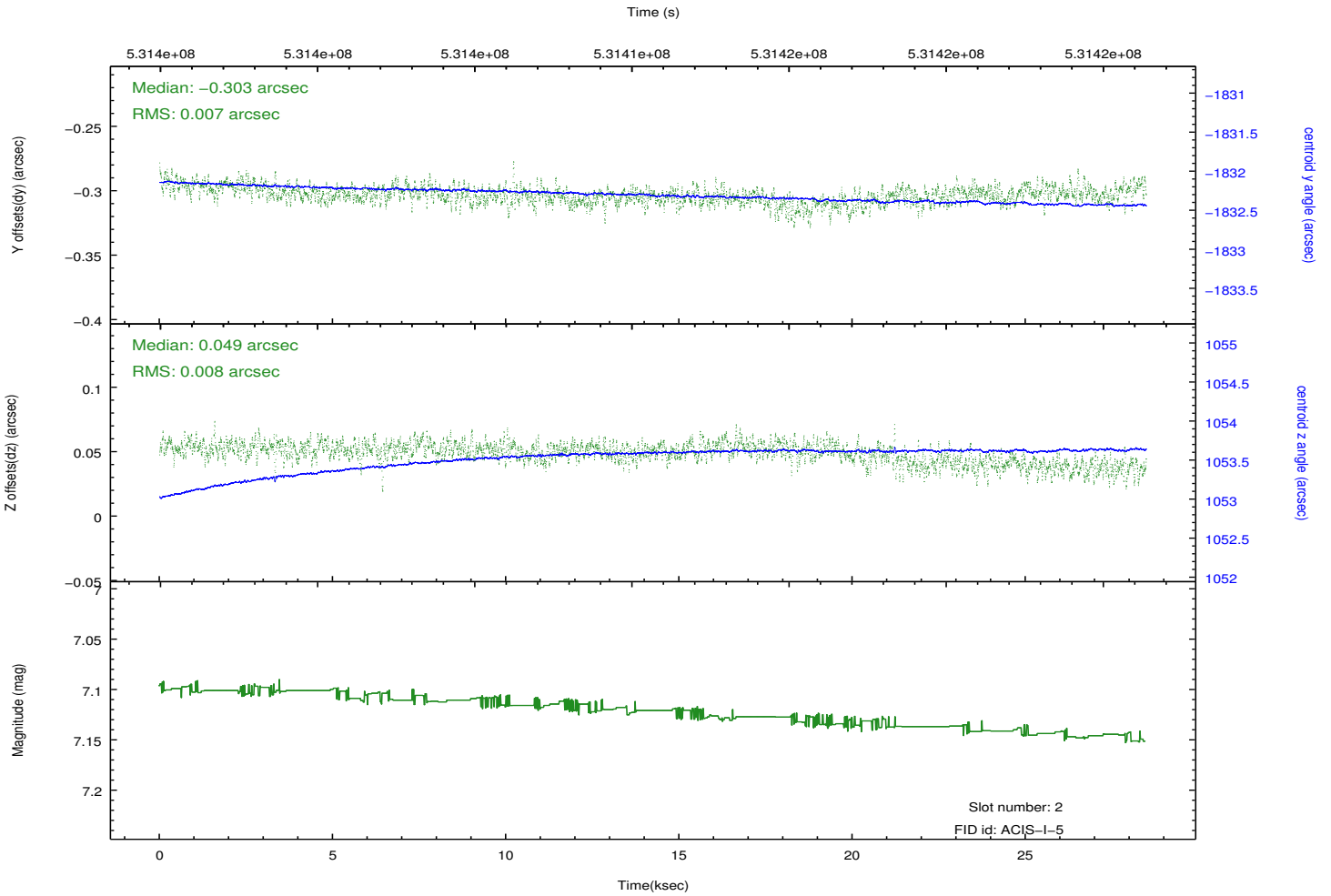
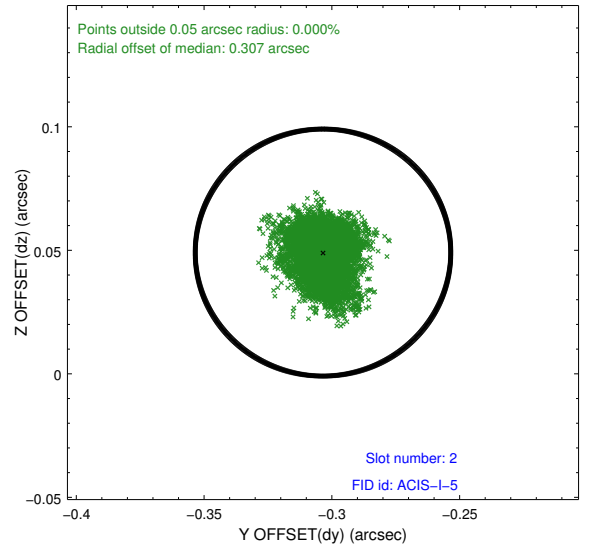
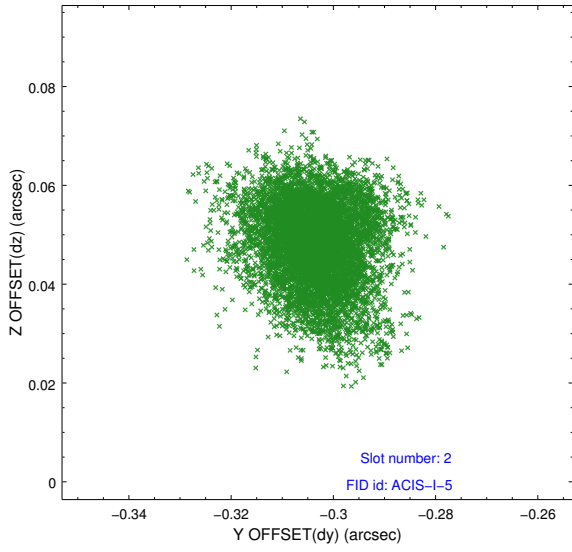
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.11.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.442418178201

A.2 Comments