

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 17573 - L2 Version 1
Chandra X-Ray Center

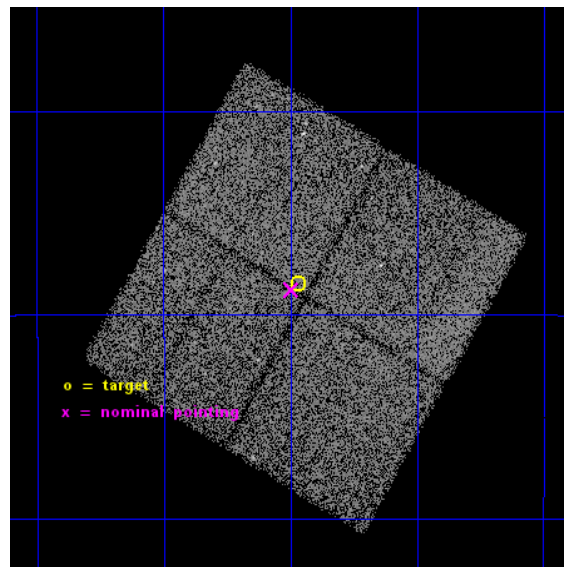
L2 Processing Date : Jan 4 2015

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1 Front

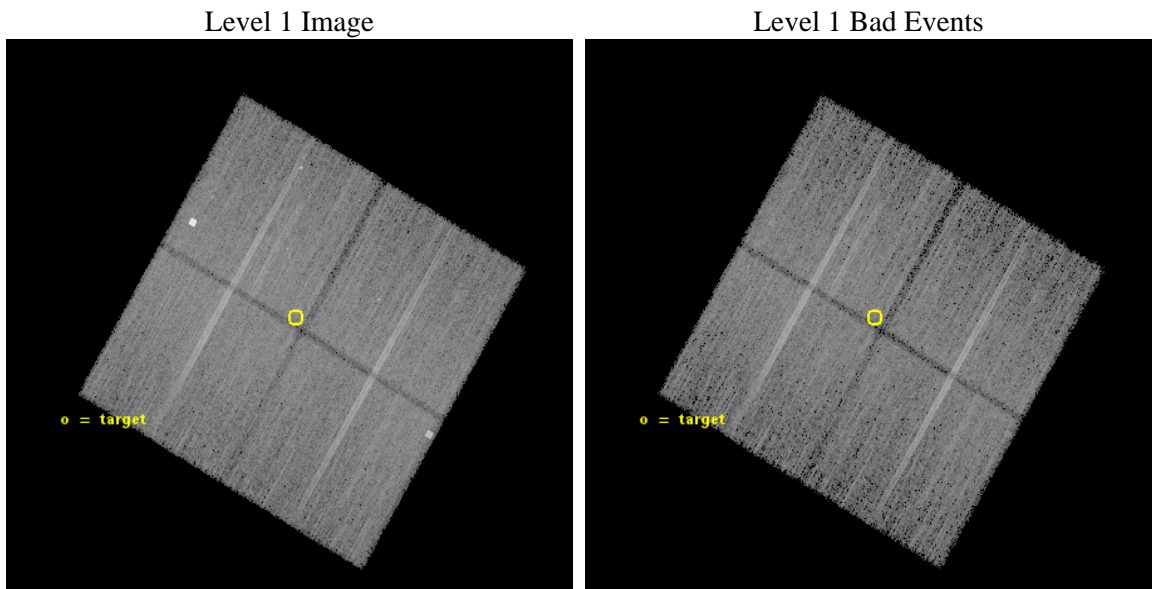
seq_num	901115	Sequence number
obs_id	17573	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from 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	53.123915895015	Nominal RA [deg]
dec_nom	-27.812837817093	Nominal Dec [deg]
roll_nom	300.21187715702	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40091.535971224	Sum of GTIs [s]
livetime	39567.710538801	Livetime [s]
ontime0	40088.271810949	Sum of GTIs [s]
ontime1	40085.171850562	Sum of GTIs [s]
ontime2	40082.071900249	Sum of GTIs [s]
ontime3	40091.535971224	Sum of GTIs [s]
l2events	75771	Number of level 2 events



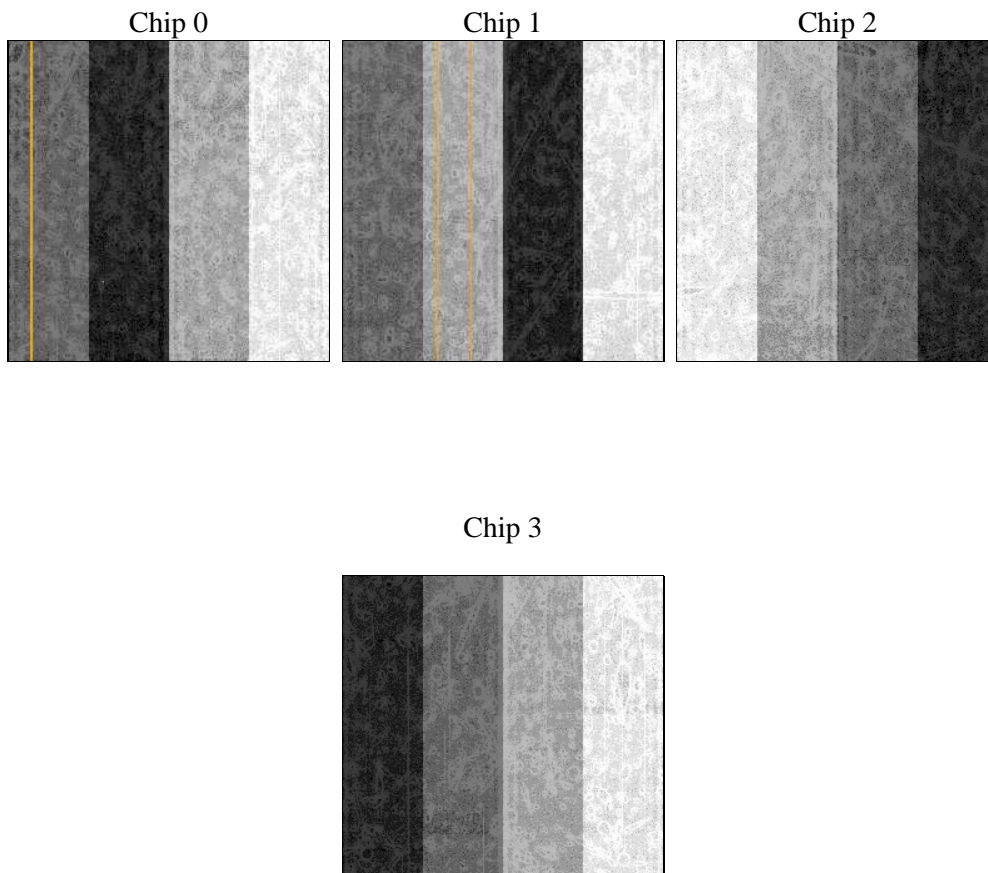
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	40091.535971224	Sum of GTIs [s]
caldbver	4.6.5	 	ontime0	40088.271810949	Sum of GTIs [s]
date	2015-01-05T03:34:29	Date and time of file creation	ontime1	40085.171850562	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	40082.071900249	Sum of GTIs [s]
			ontime3	40091.535971224	Sum of GTIs [s]
			l1events	733947	Number of level 1 events

2.1.4 Events

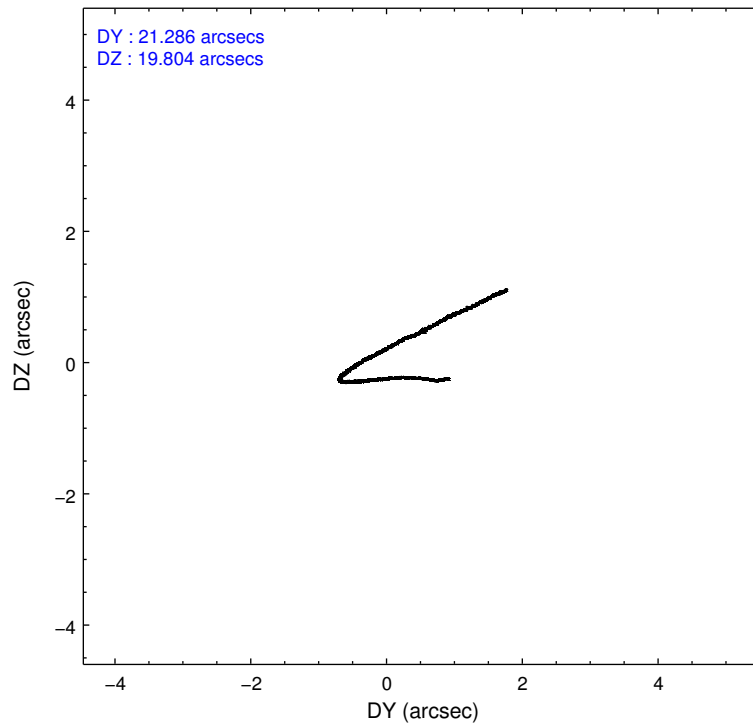
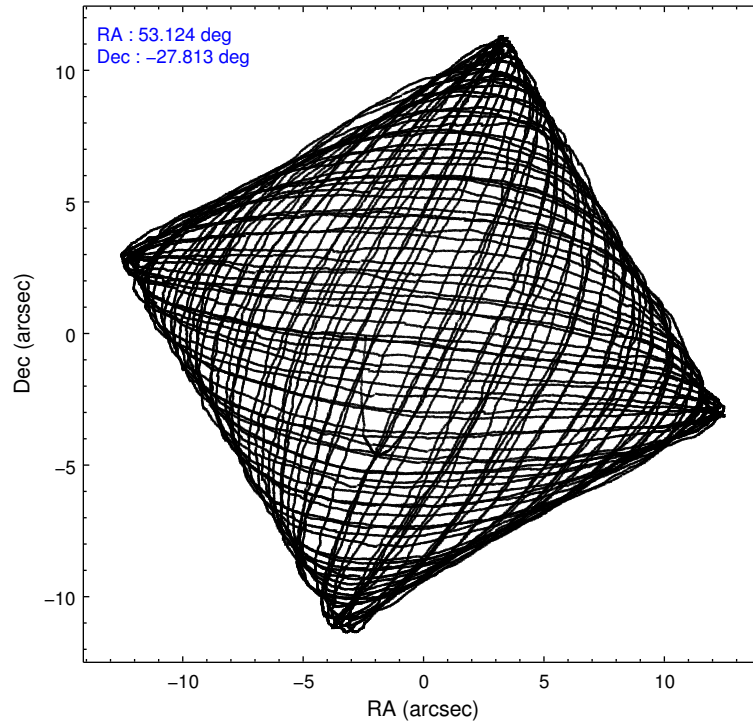
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	170609	176158	187773	199407
rejected events	146538	151486	166173	165084
rejected %	85%	85%	88%	82%

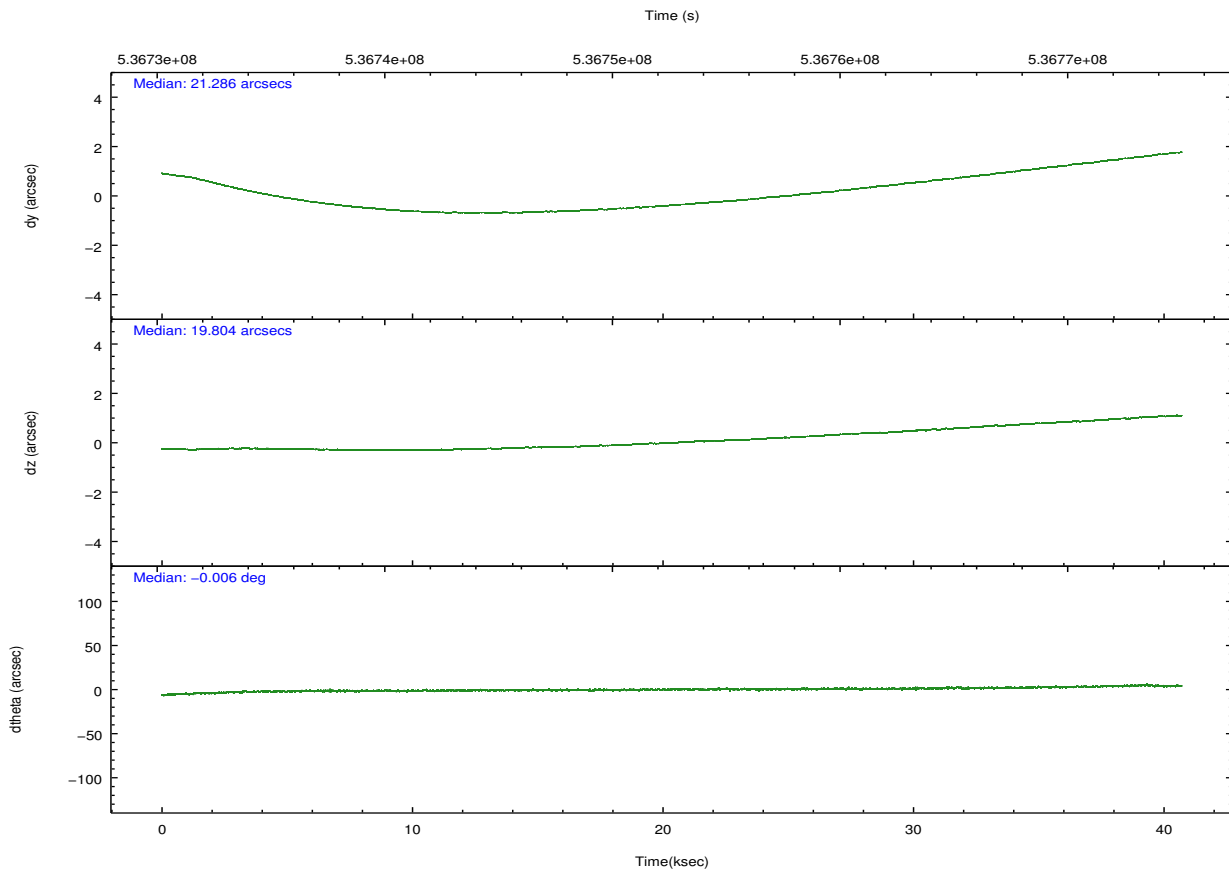
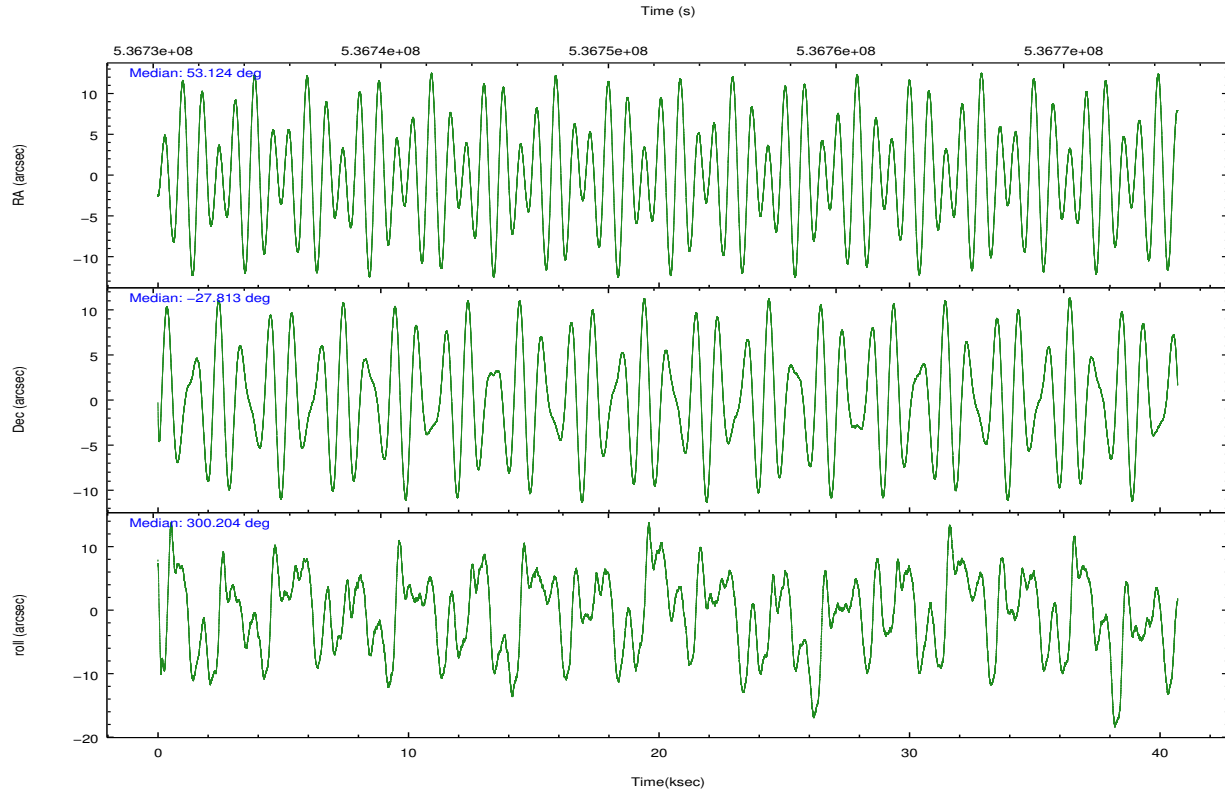
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9548	8366	7386	20329
	5%	4%	3%	10%
grade 1 events	157	85	86	131
	0%	0%	0%	0%
grade 2 events	5344	5983	5415	4771
	3%	3%	2%	2%
grade 3 events	2339	2437	2166	2347
	1%	1%	1%	1%
grade 4 events	2181	2391	2273	2322
	1%	1%	1%	1%
grade 5 events	8547	9262	8305	10061
	5%	5%	4%	5%
grade 6 events	4661	5498	4365	4559
	2%	3%	2%	2%
grade 7 events	137832	142136	157777	154887
	80%	80%	84%	77%

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	53.096778	53.123915895015	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.799228	-27.81283781709325	Alternating exposures requested	N	N
[deg] Pointing Roll	299.990531	300.2118771570161	[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)	536732959.184000	536731372.71723			
Observation start date	2015-01-04T04:28:12	2015-01-04T04:02:52			
[s] Observation end time (MET)	536772959.184000	536773852.30709			
Observation end date	2015-01-04T15:34:52	2015-01-04T15:50:52			
Read mode	TIMED	TIMED			

2.3 Aspect





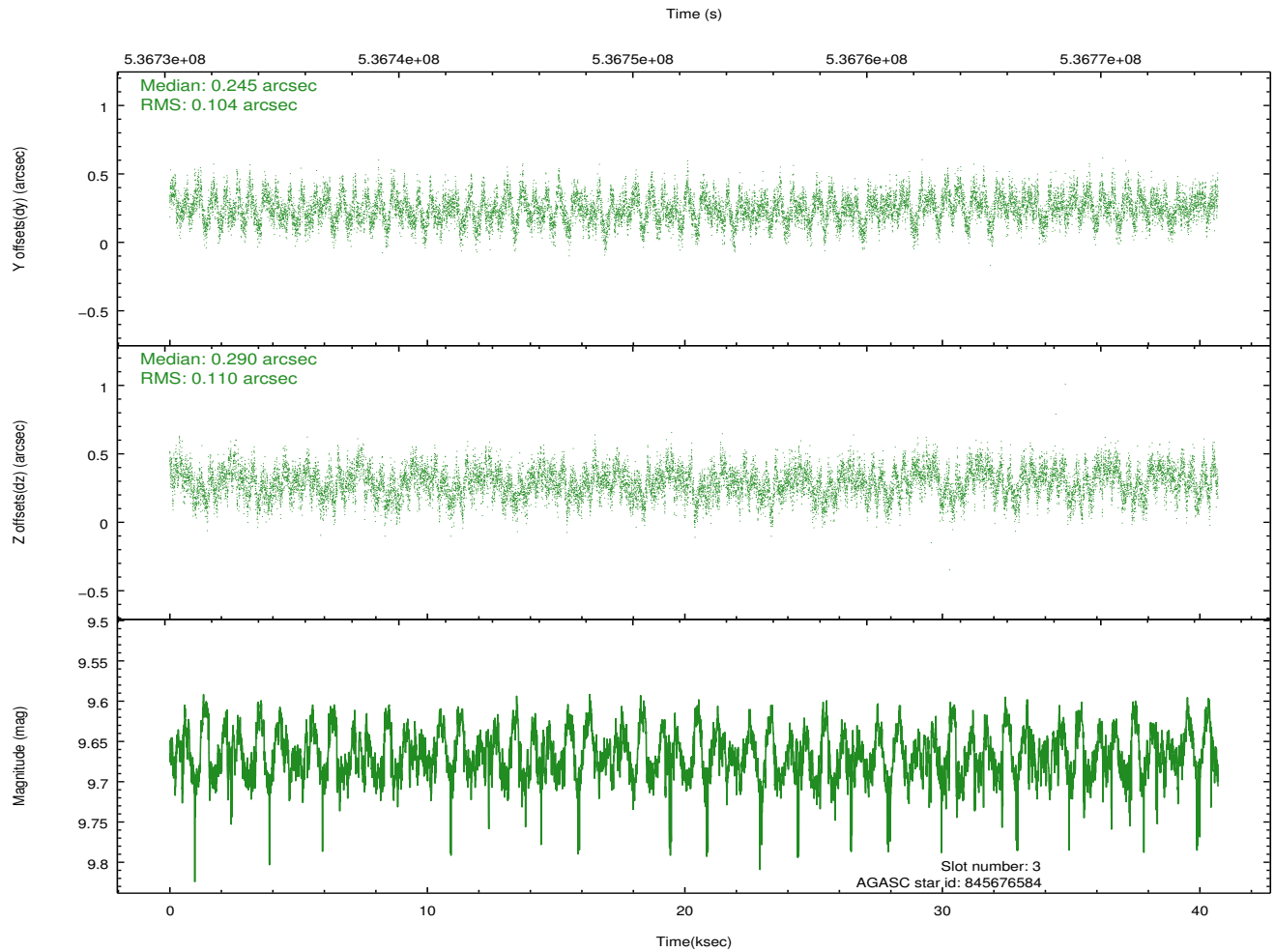
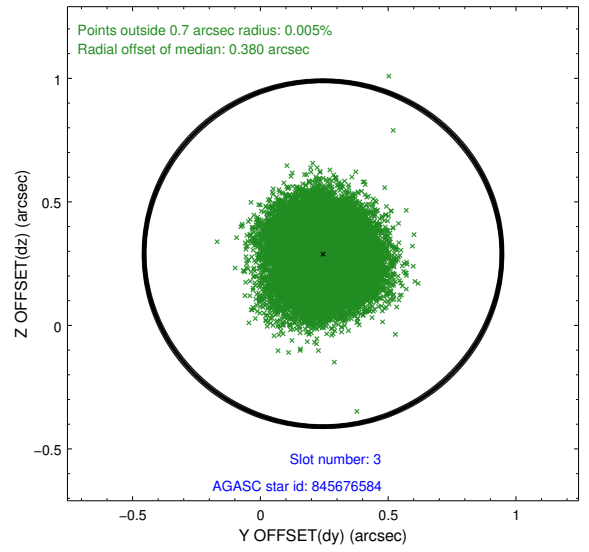
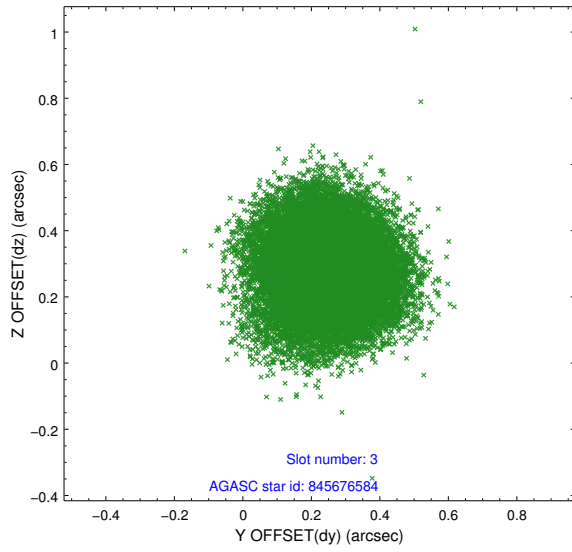
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.16	9928	0.087	-0.034	0.018	0.060	0.000000	0.000000	917.99	-843.66
1	FID		ACIS-I-2	7.06	9927	-0.032	-0.037	0.015	0.026	0.000000	0.000000	-776.22	-850.23
2	FID		ACIS-I-5	7.15	9929	-0.151	0.147	0.019	0.038	0.000000	0.000000	-1830.67	1053.80
3	GUIDE	used	845676584	9.67	19725	0.245	0.290	0.164	0.254	52.264247	-27.542890	-2118.82	-1844.72
4	GUIDE	used	845676728	9.30	19773	-0.104	0.191	0.118	0.186	52.877179	-27.664318	-769.66	-363.83
5	GUIDE	used	845676936	9.51	19834	0.321	-0.134	0.192	0.303	52.843773	-27.880153	-148.32	-842.75
6	GUIDE	used	845807880	8.75	19848	-0.271	-0.234	0.193	0.261	53.382027	-27.886093	725.64	629.27
7	GUIDE	used	845813656	10.18	19699	-0.166	-0.100	0.228	0.365	53.922767	-28.083703	2206.21	1756.57

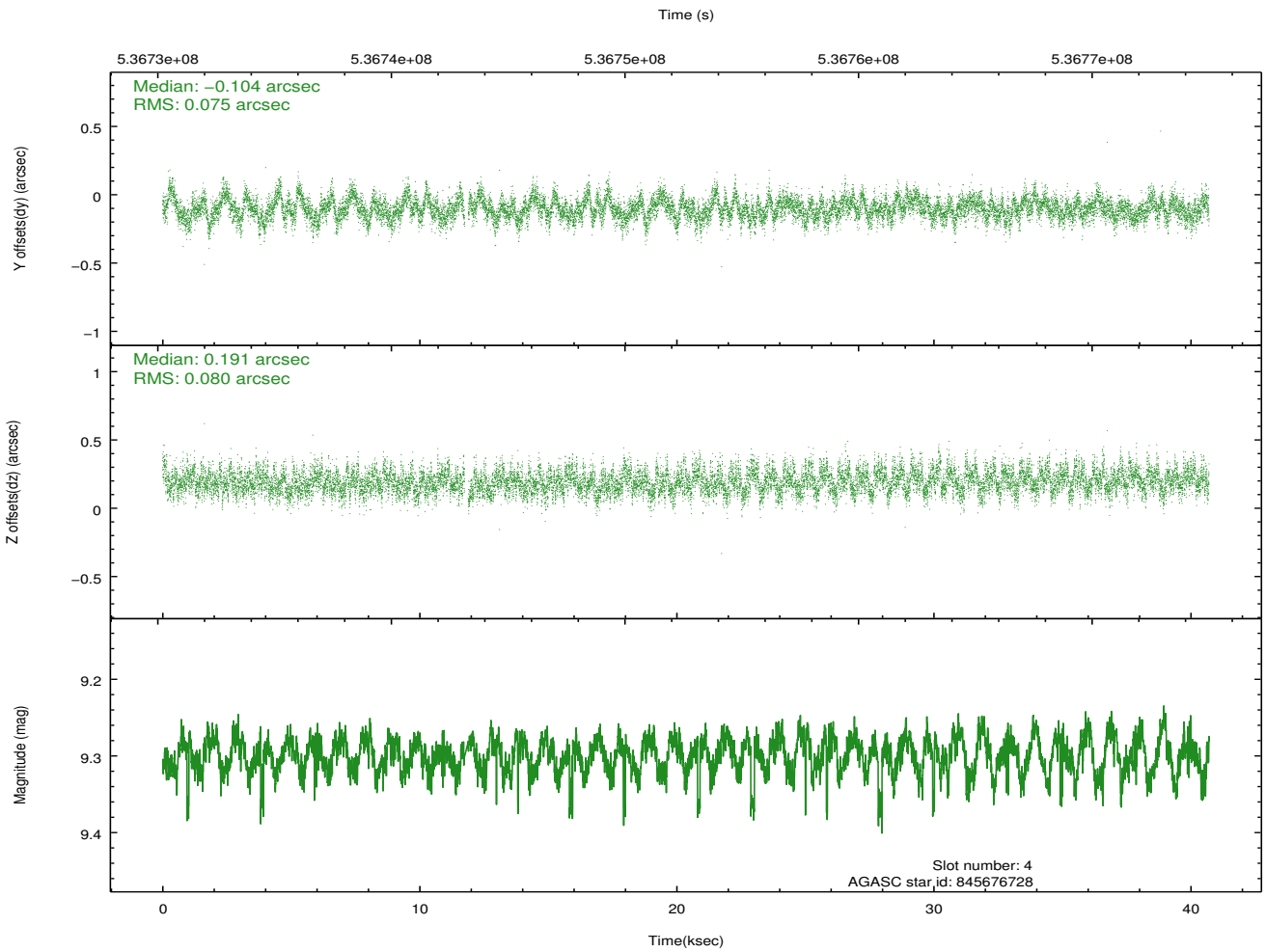
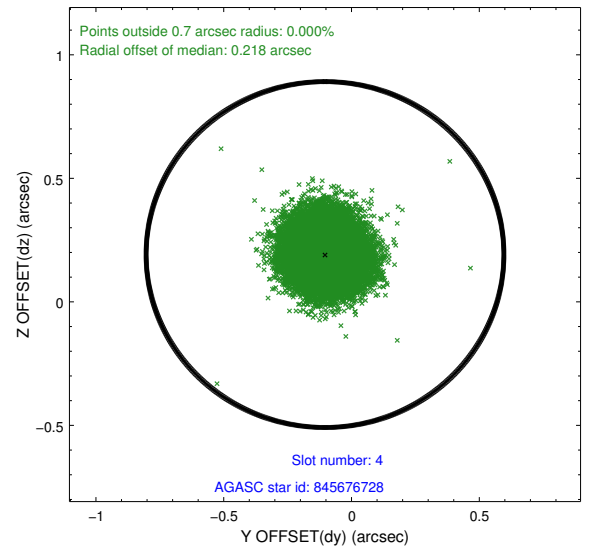
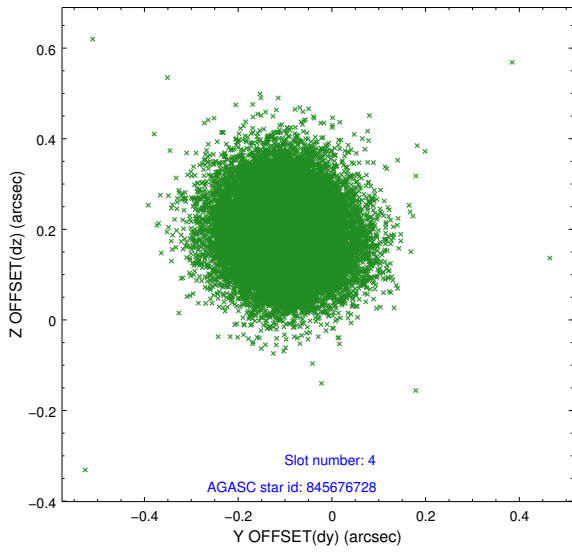
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2.4 Star Slots

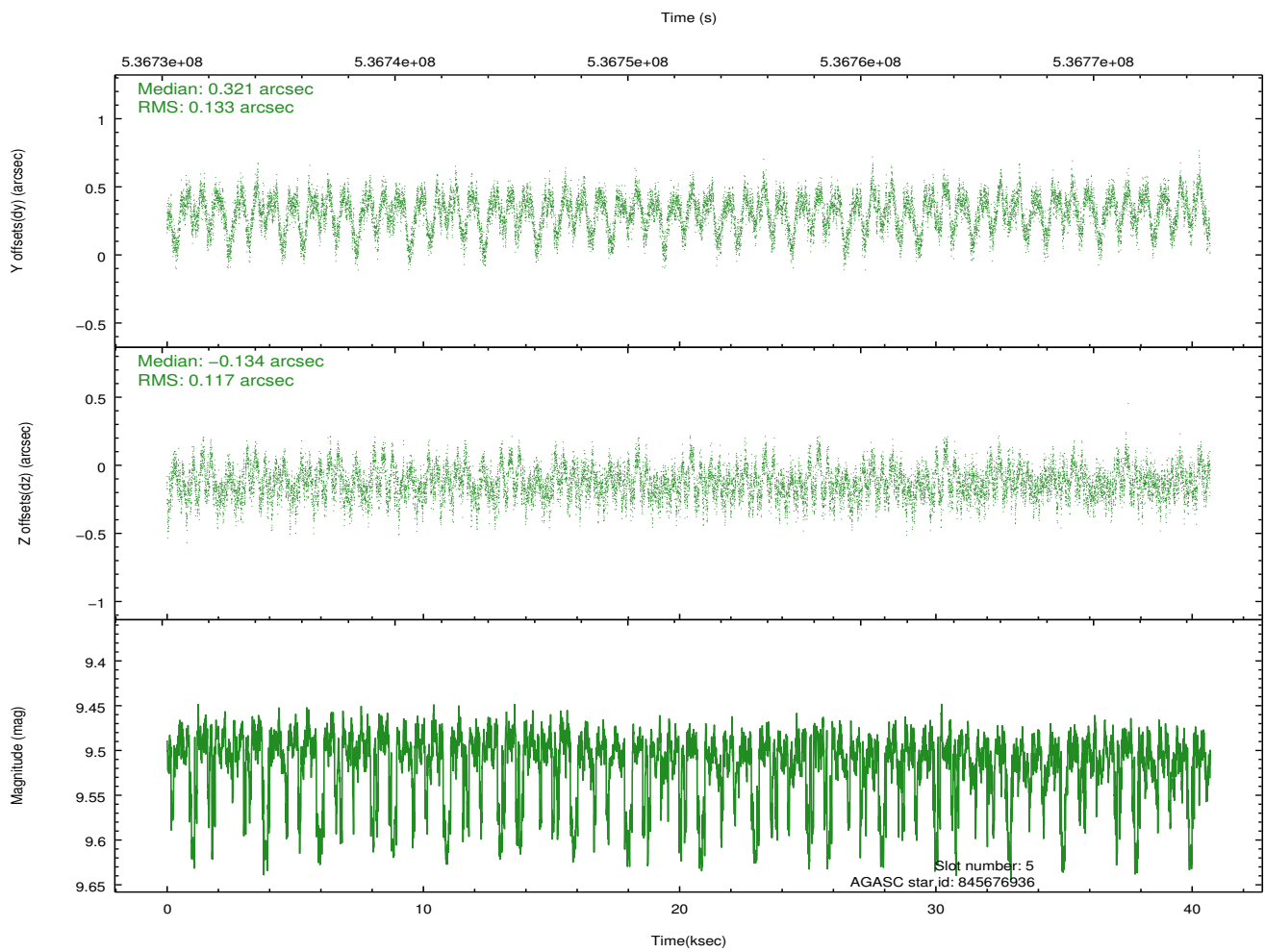
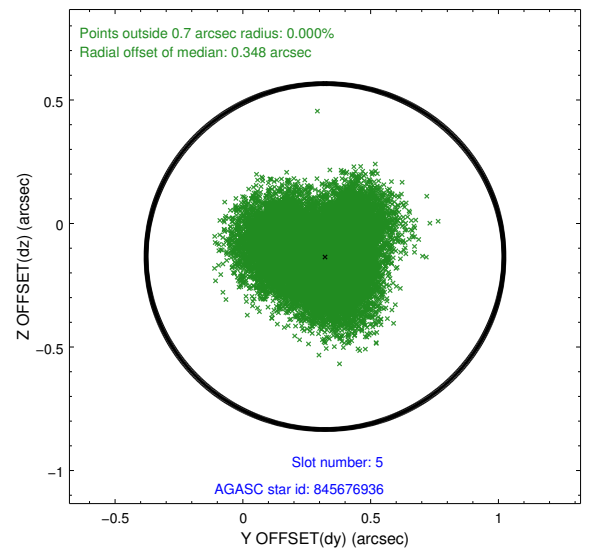
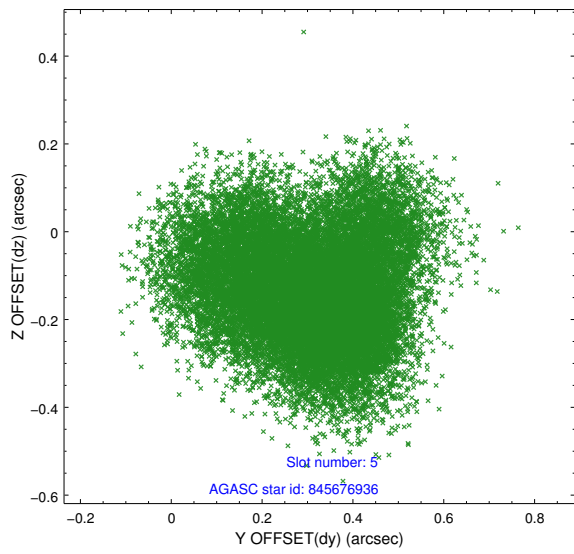
2.4.1 Slot 3



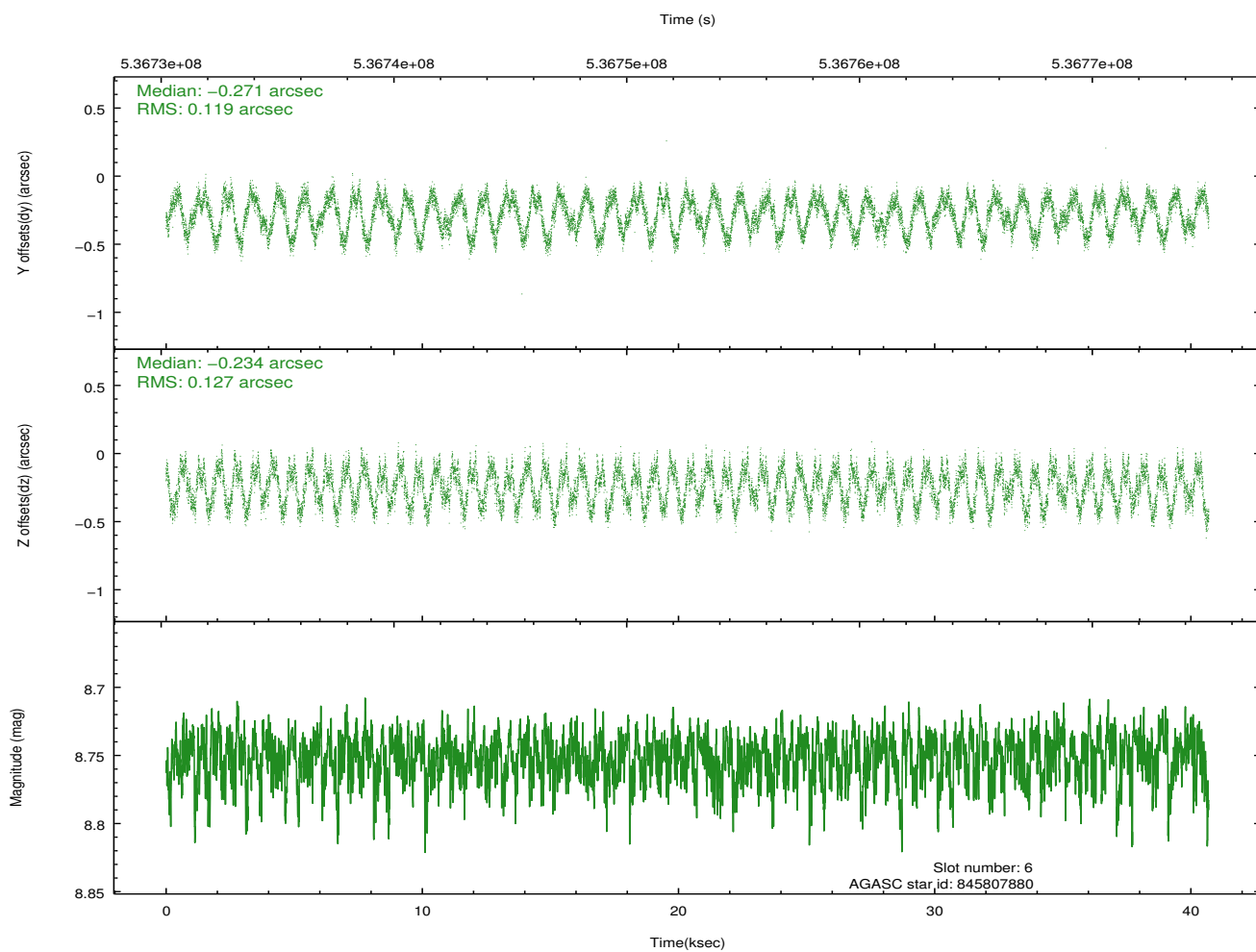
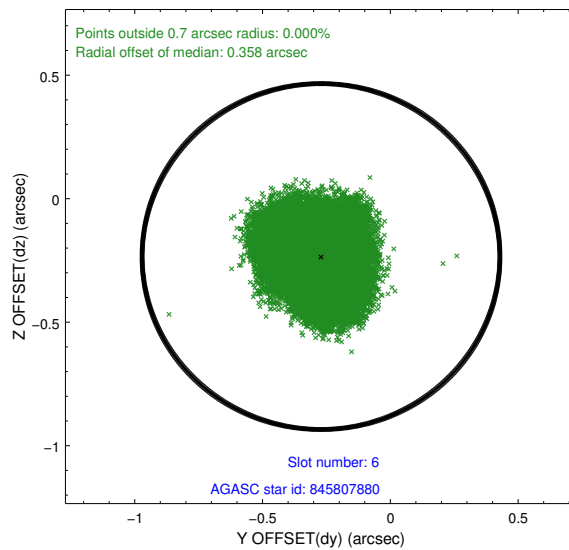
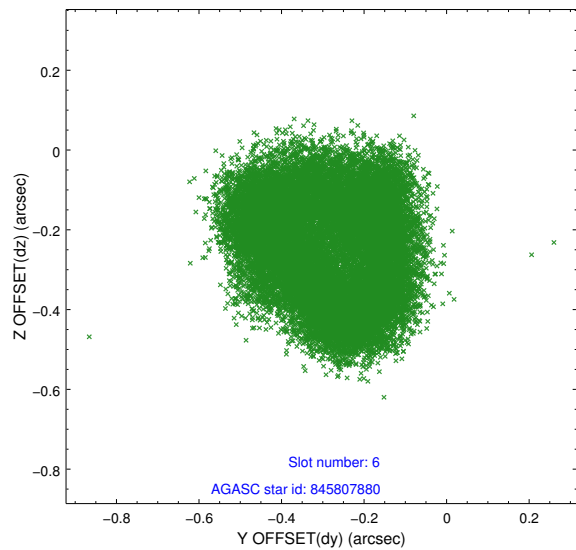
2.4.2 Slot 4



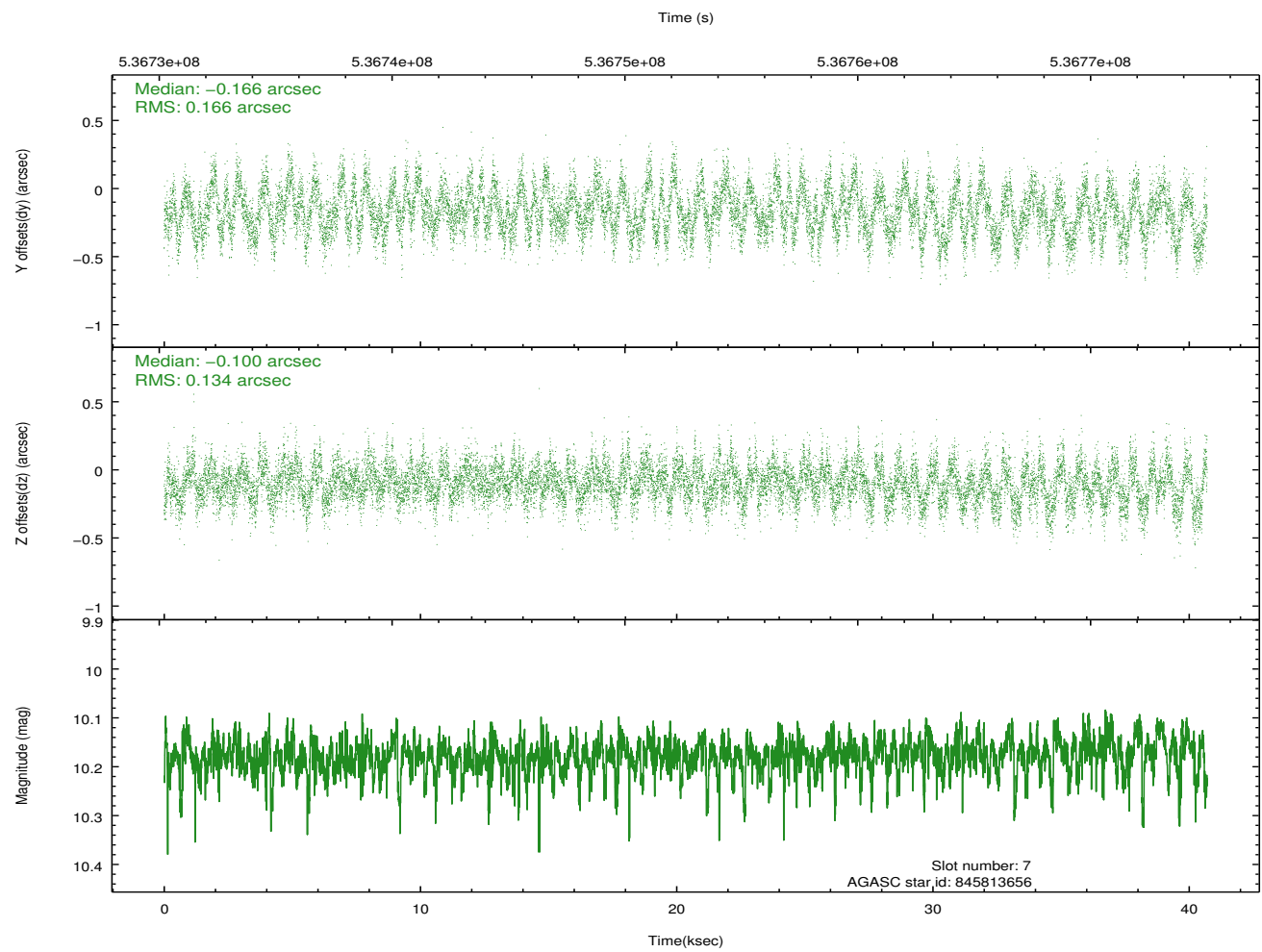
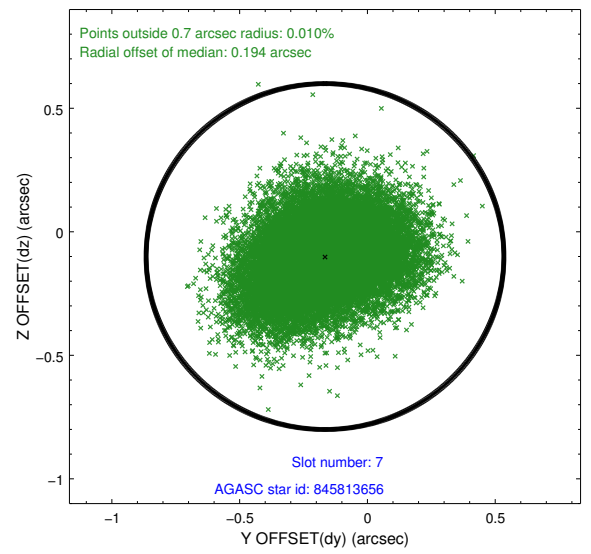
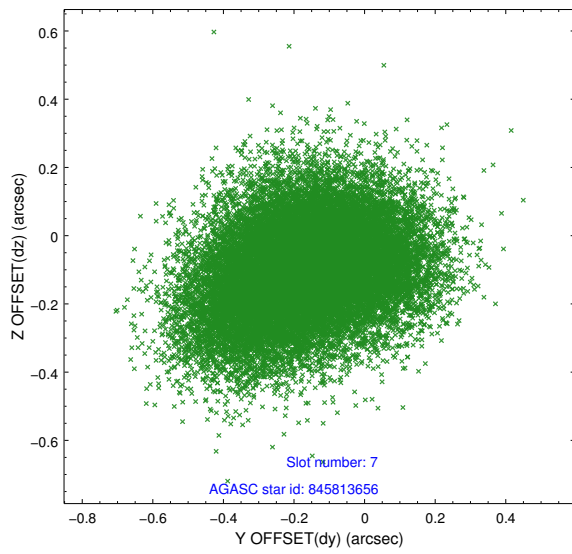
2.4.3 Slot 5



2.4.4 Slot 6

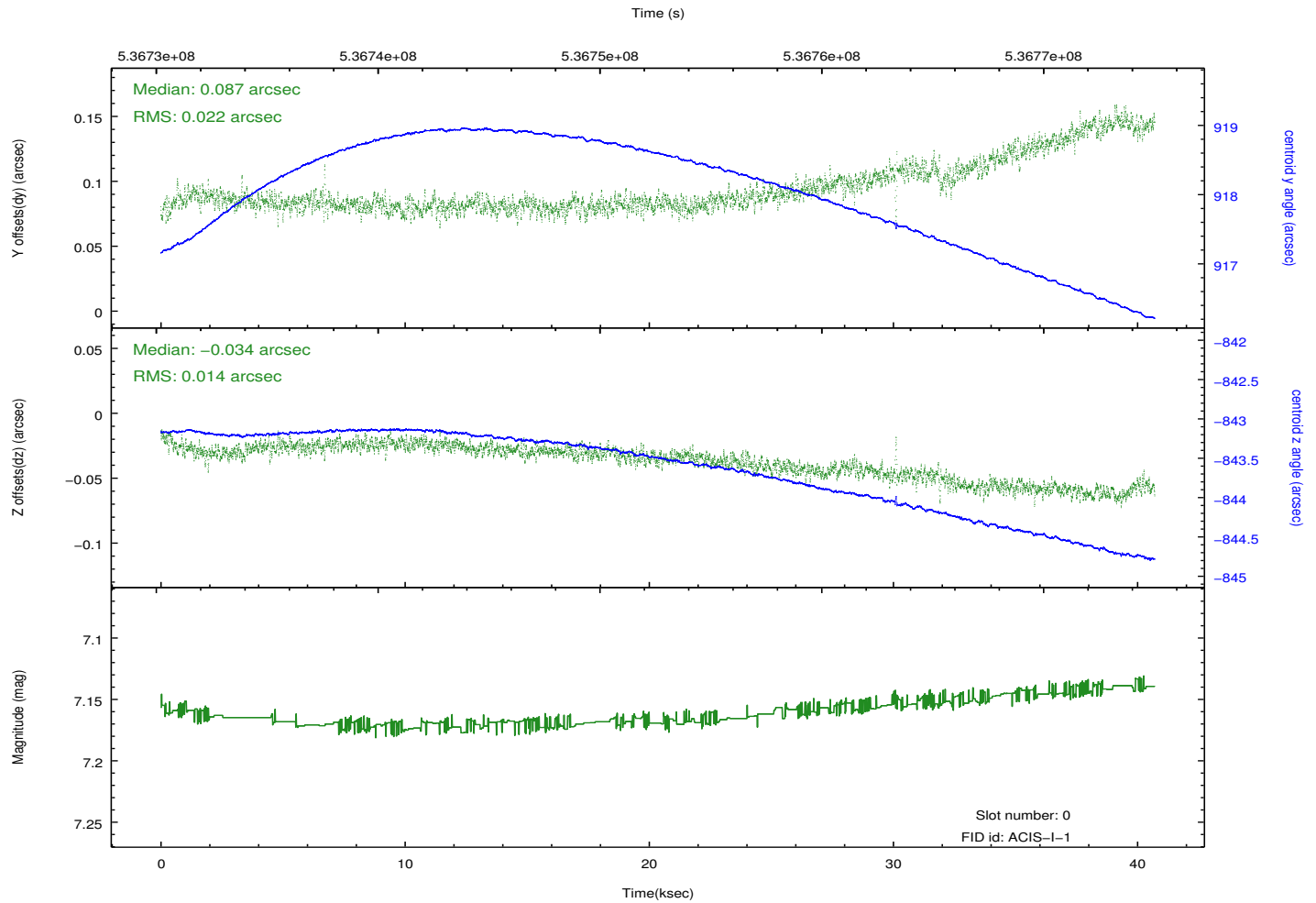
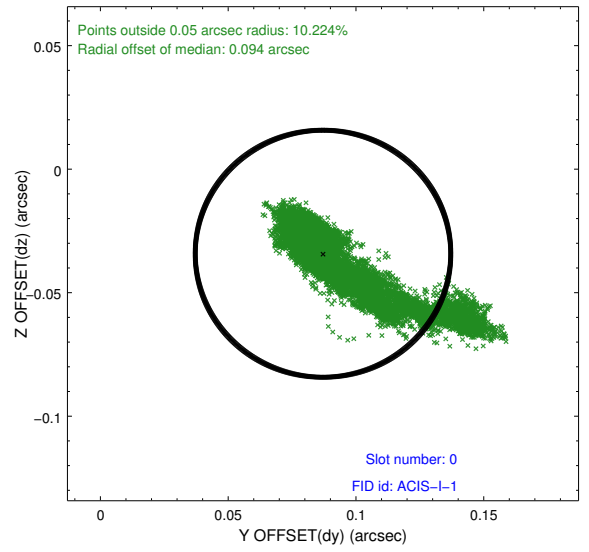
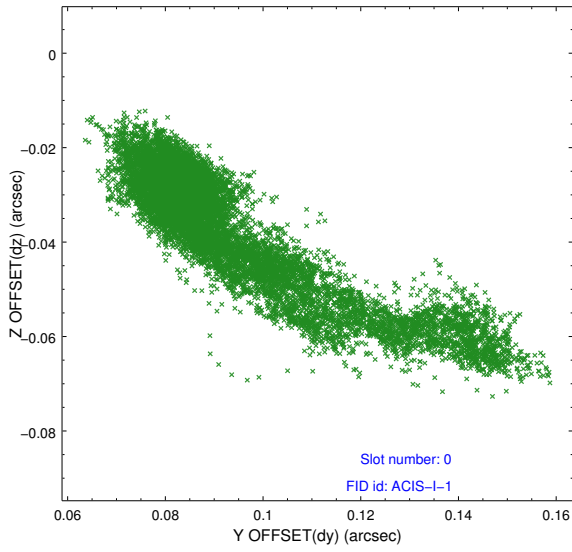


2.4.5 Slot 7

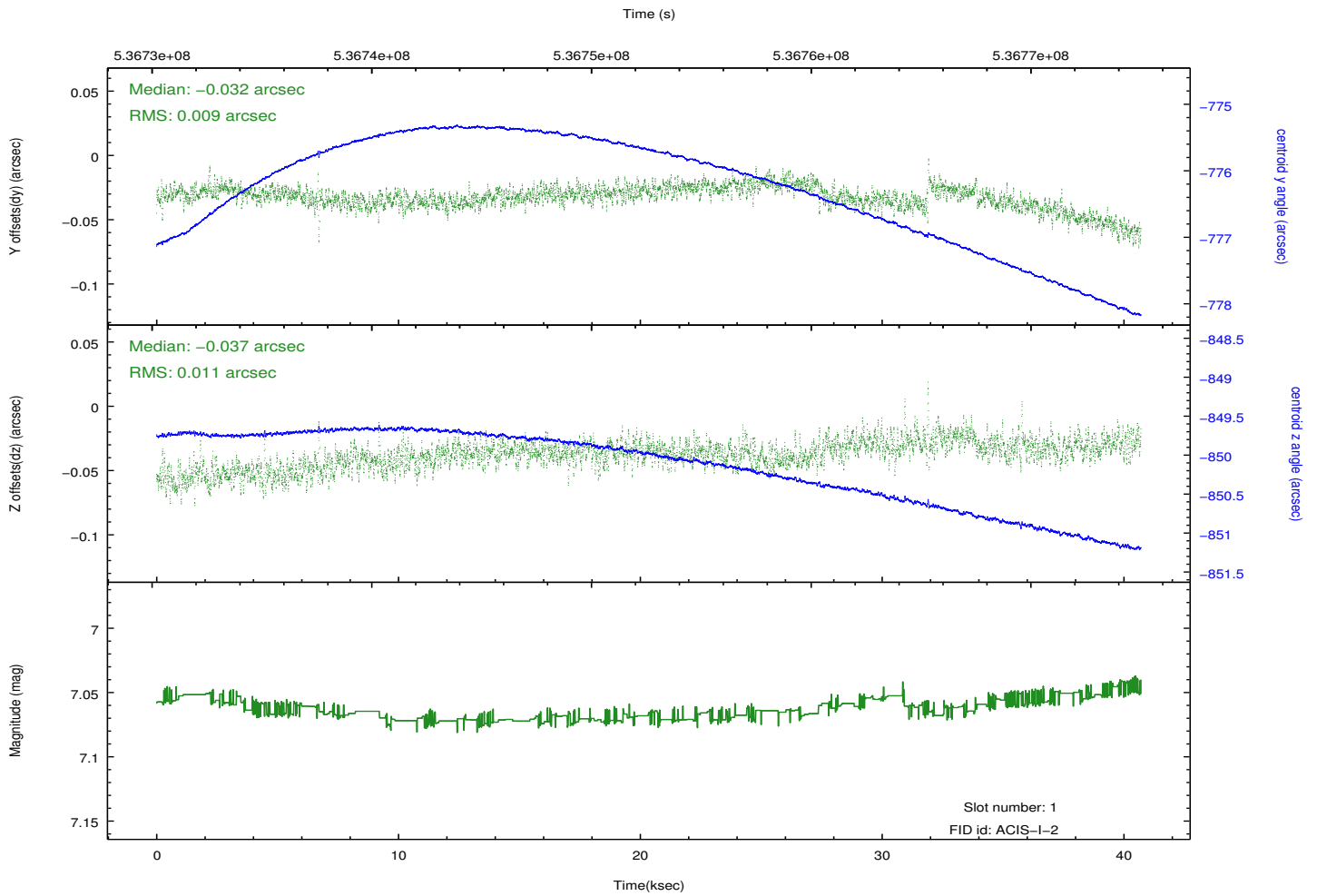
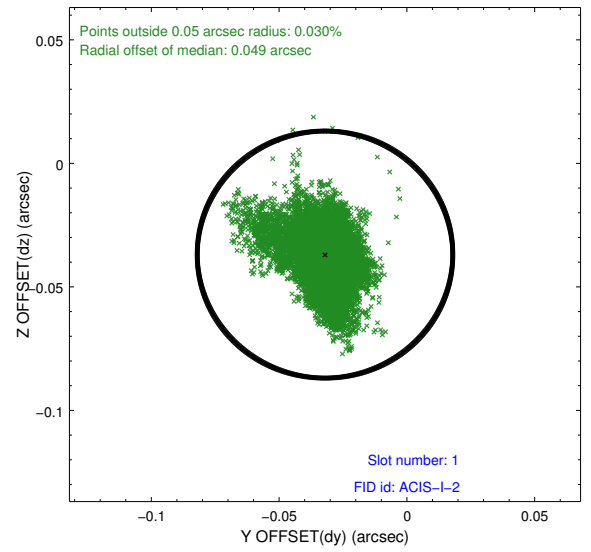
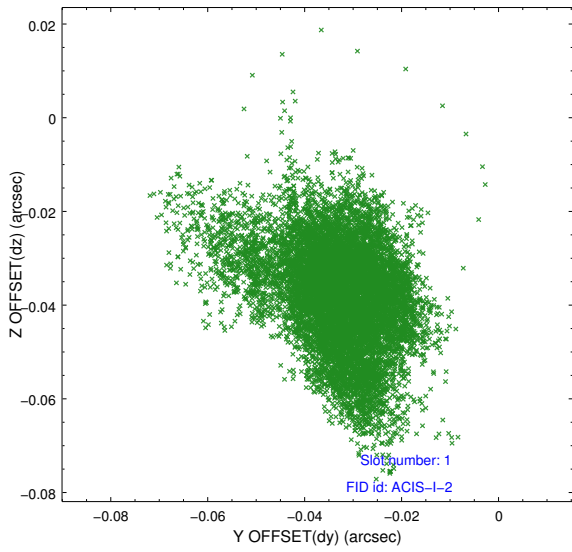


2.5 FID Slots

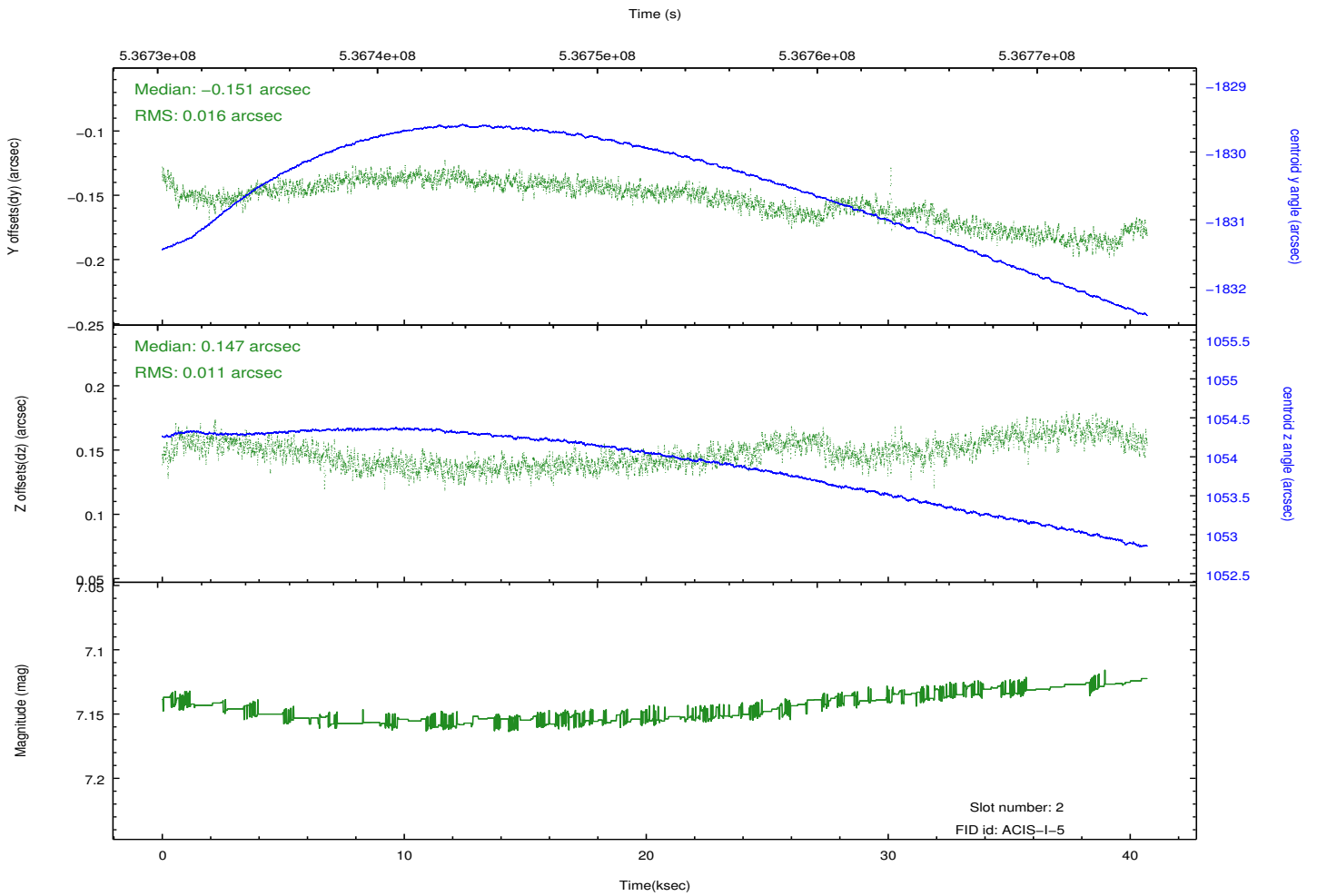
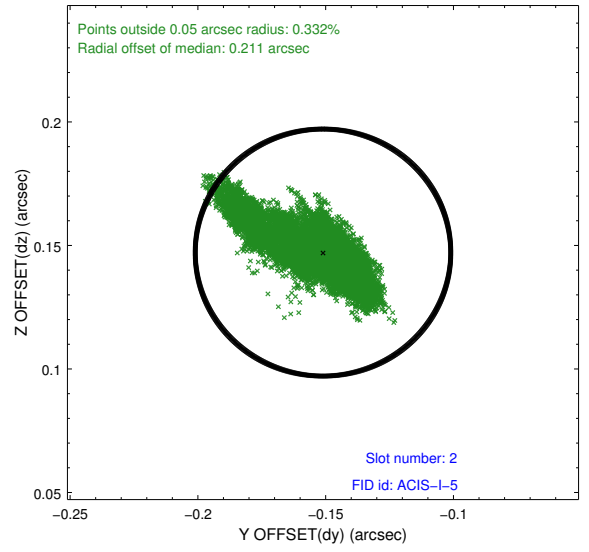
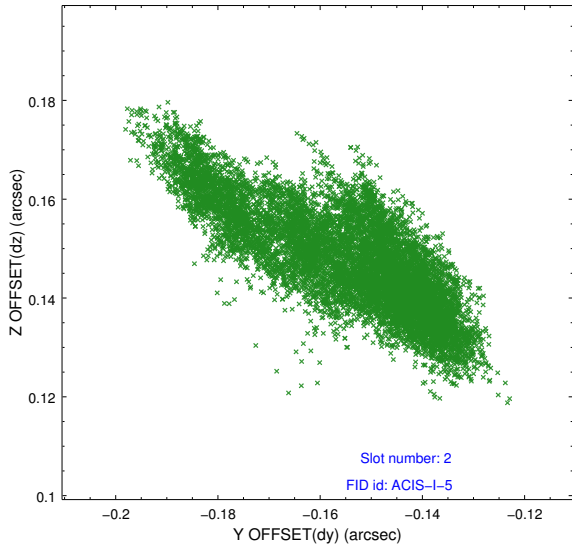
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.091535971224

A.2 Comments