

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10468 - L2 Version 2
Chandra X-Ray Center

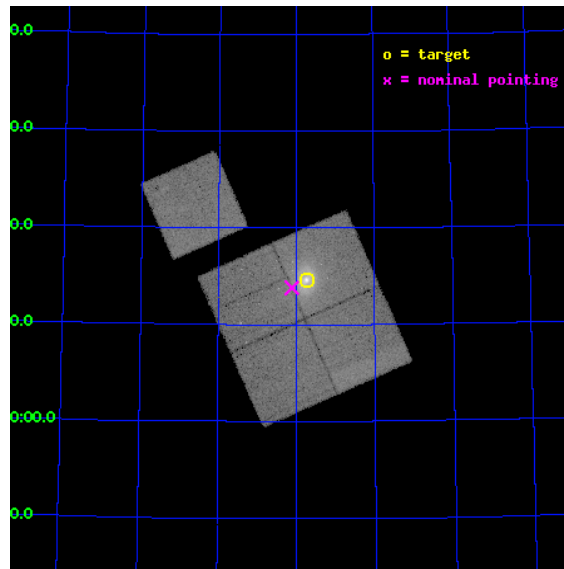
L2 Processing Date : Jun 9 2012

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1 Front

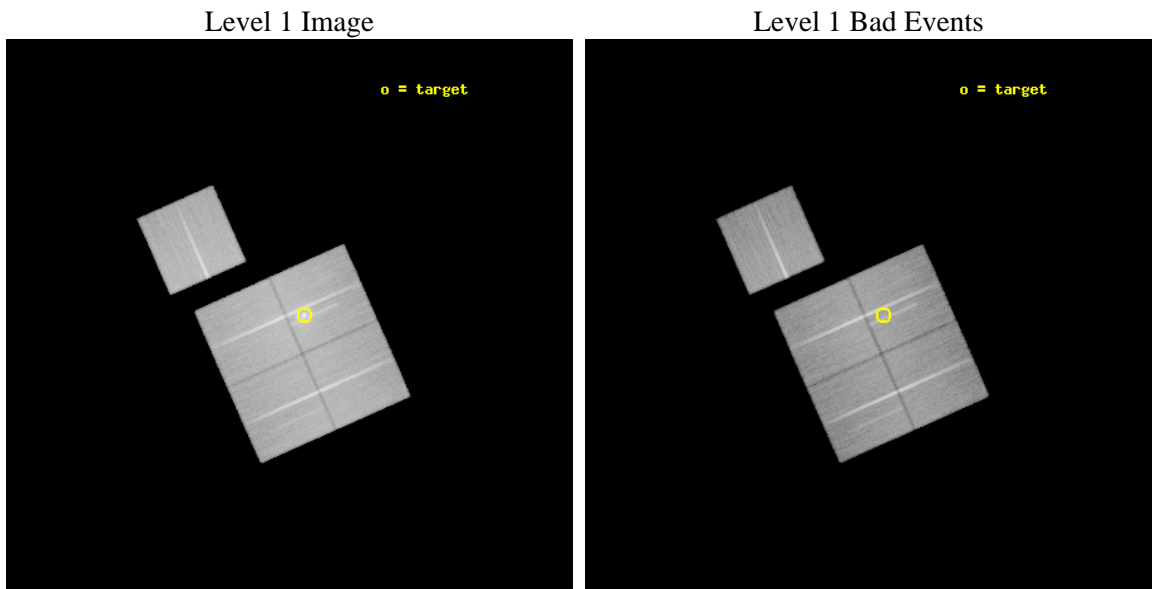
seq_num	800829	Sequence number
obs_id	10468	Observation id
title	A Deep Image of the Most Powerful Cluster AGN Outburst	Proposal ti
observer	Prof. Brian McNamara	Principal investigator
object	MS0735.6+7421	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	115.433333	Observer's specified target RA [deg]
dec_targ	74.243972	Observer's specified target Dec [deg]
ra_nom	115.52950179987	Nominal RA [deg]
dec_nom	74.230408195246	Nominal Dec [deg]
roll_nom	336.11613464703	Nominal Roll [deg]
revision	2	Processing version of data
ontime	46608.336447299	Sum of GTIs [s]
livetime	45999.364219056	Livetime [s]
ontime0	46617.759388208	Sum of GTIs [s]
ontime1	46614.618417978	Sum of GTIs [s]
ontime2	46605.195636511	Sum of GTIs [s]
ontime3	46608.336447299	Sum of GTIs [s]
ontime6	46617.759388208	Sum of GTIs [s]
l2events	201678	Number of level 2 events



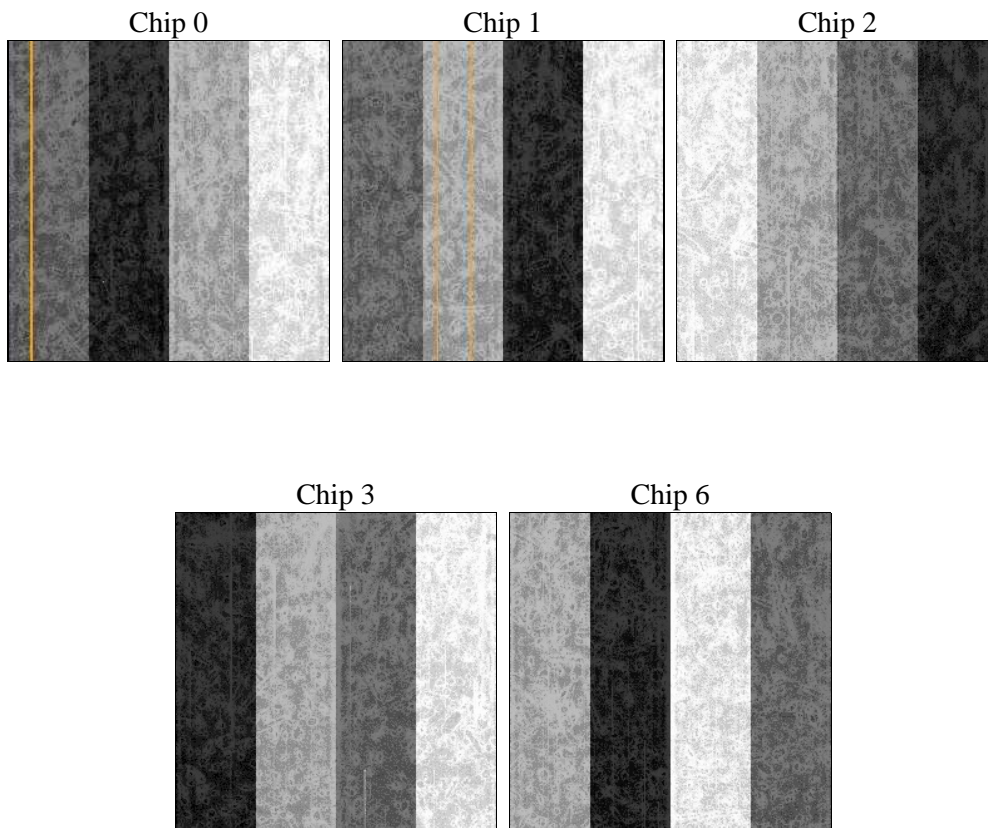
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	46500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46608.336447299	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	46617.759388208	Sum of GTIs [s]
date	2012-06-09T09:14:38	Date and time of file creation	ontime1	46614.618417978	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	46605.195636511	Sum of GTIs [s]
			ontime3	46608.336447299	Sum of GTIs [s]
			ontime6	46617.759388208	Sum of GTIs [s]
			l1events	2067717	Number of level 1 events

2.1.4 Events

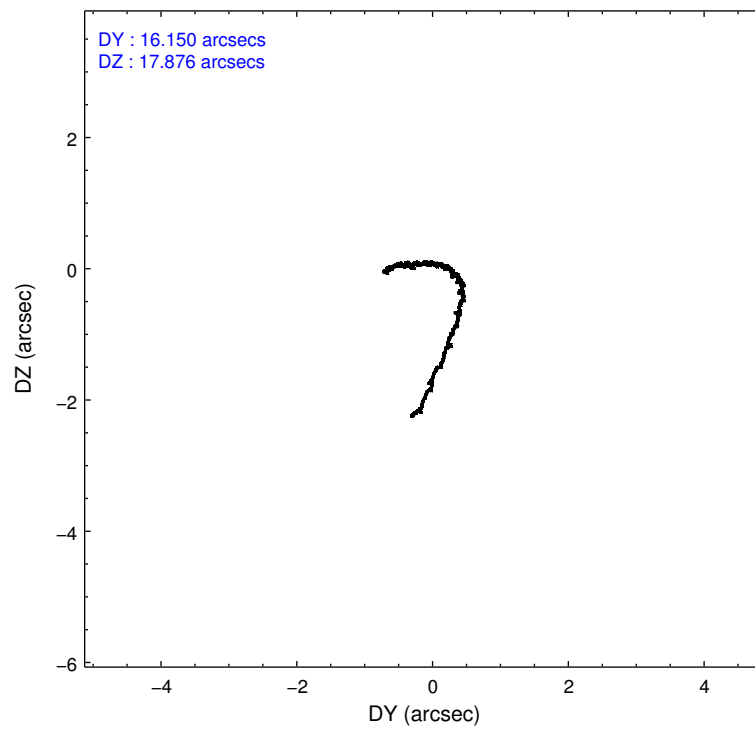
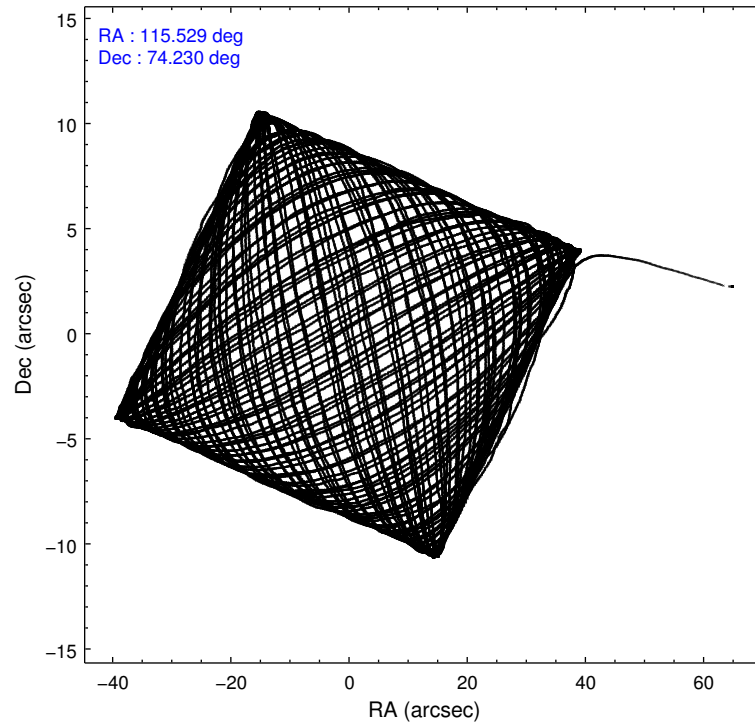
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	384624	388238	433749	440921	420185
rejected events	343175	342029	391862	374064	377474
rejected %	89%	88%	90%	84%	89%

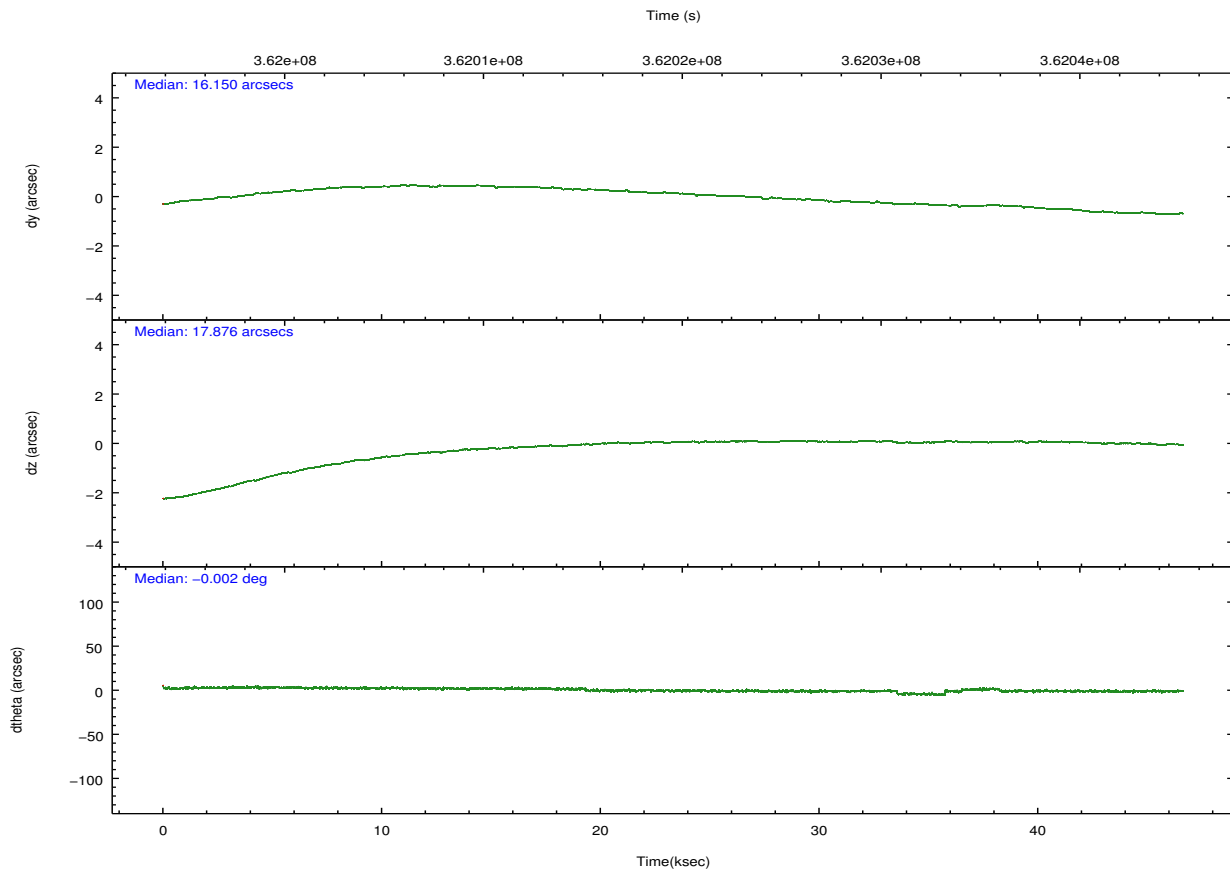
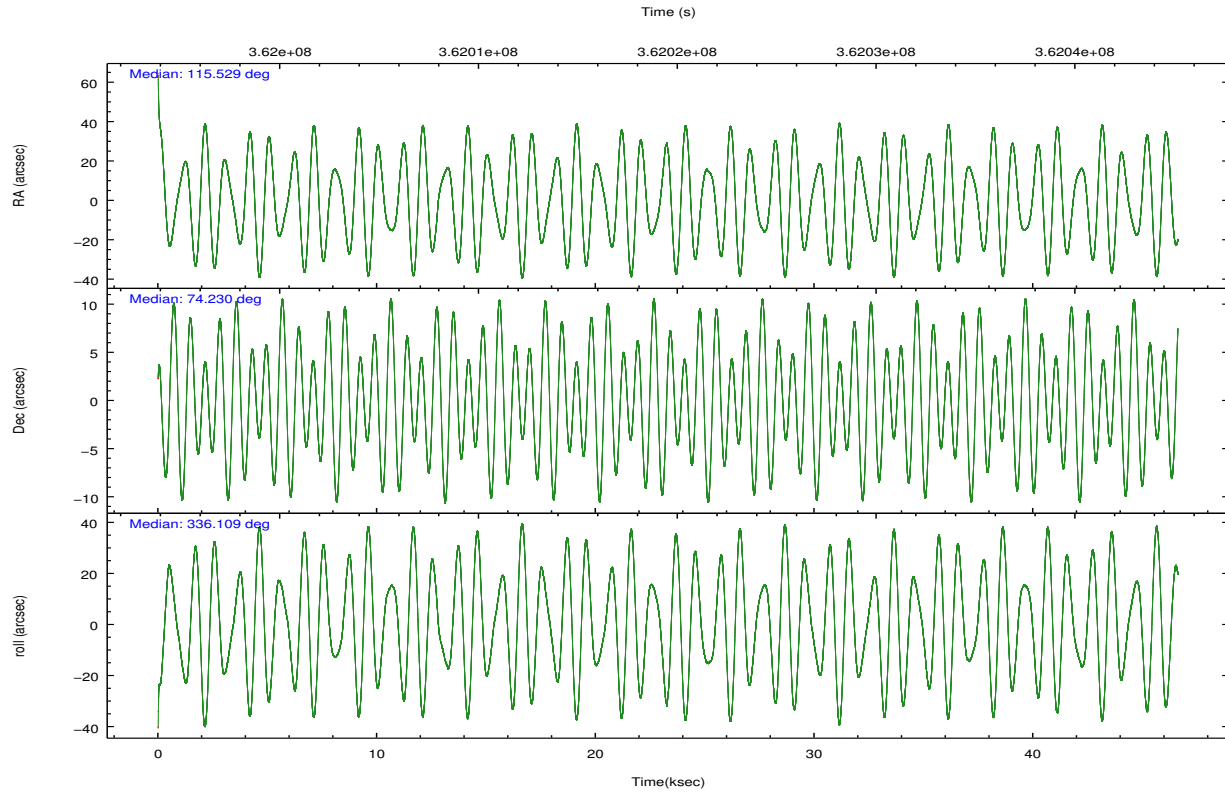
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	14373	16684	15688	36974	15177
	3%	4%	3%	8%	3%
grade 1 events	213	183	257	441	220
	0%	0%	0%	0%	0%
grade 2 events	10353	11009	10246	11441	9598
	2%	2%	2%	2%	2%
grade 3 events	4663	4973	4388	5228	4600
	1%	1%	1%	1%	1%
grade 4 events	4371	4716	4502	5169	4541
	1%	1%	1%	1%	1%
grade 5 events	14730	16251	14044	17397	16468
	3%	4%	3%	3%	3%
grade 6 events	8241	9411	7634	8659	9370
	2%	2%	1%	1%	2%
grade 7 events	327680	325011	376990	355612	360211
	85%	83%	86%	80%	85%

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	115.428929	115.5295017998698	Subarray requested	NONE	NONE
[deg] Pointing Dec	74.227365	74.23040819524638	Alternating exposures requested	N	N
[deg] Pointing Roll	336.004234	336.116134647028	[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	-225.592463	-225.5818545406617			
[mm] SIM translation stage offset	-8	-8.010598462268035			
[s] Observation start time (MET)	361996364.184000	361995091.23525			
Observation start date	2009-06-21T18:31:38	2009-06-21T18:11:31			
[s] Observation end time (MET)	362042864.184000	362043502.50017			
Observation end date	2009-06-22T07:26:38	2009-06-22T07:38:22			
Read mode	TIMED	TIMED			

2.3 Aspect



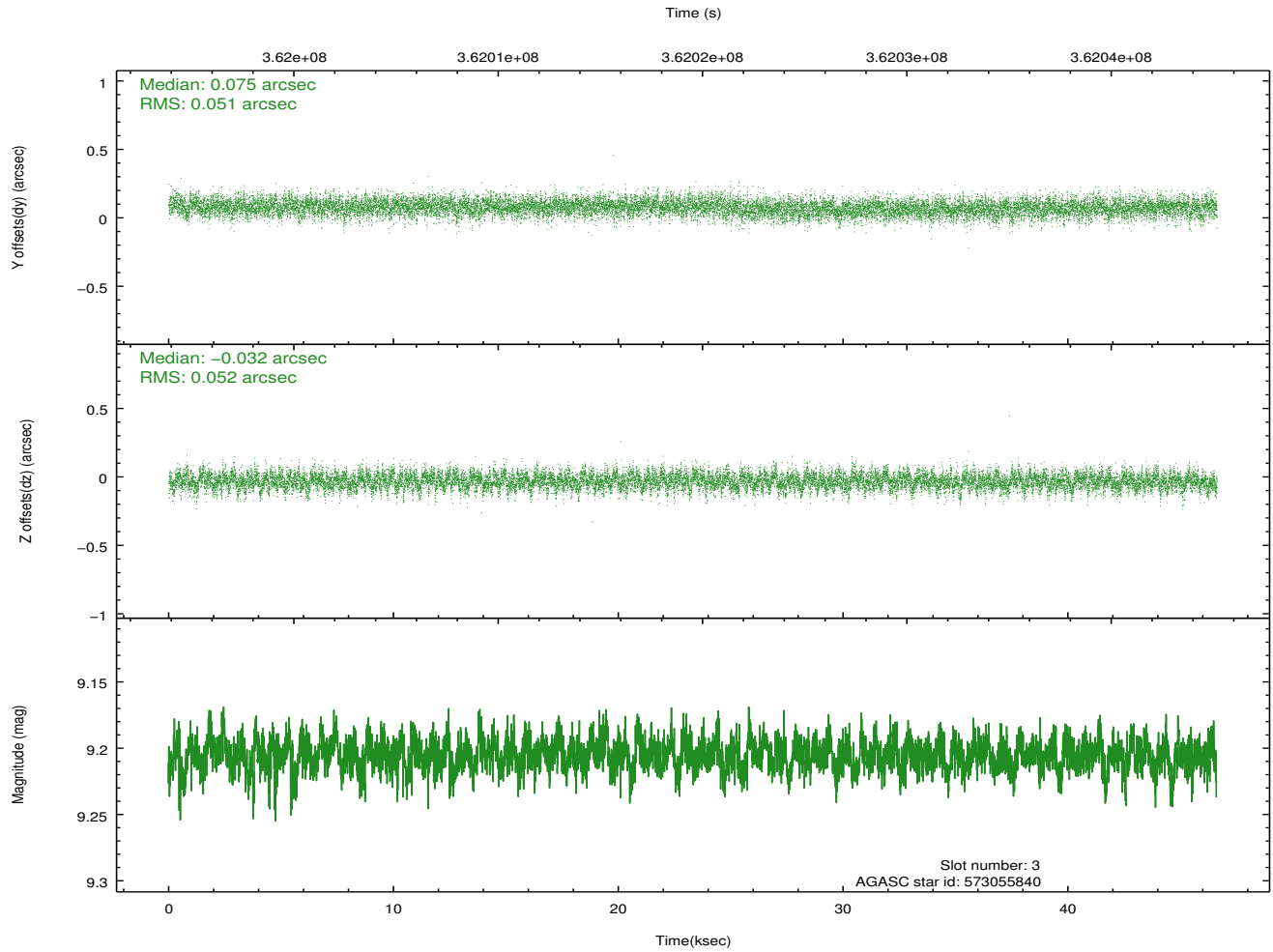
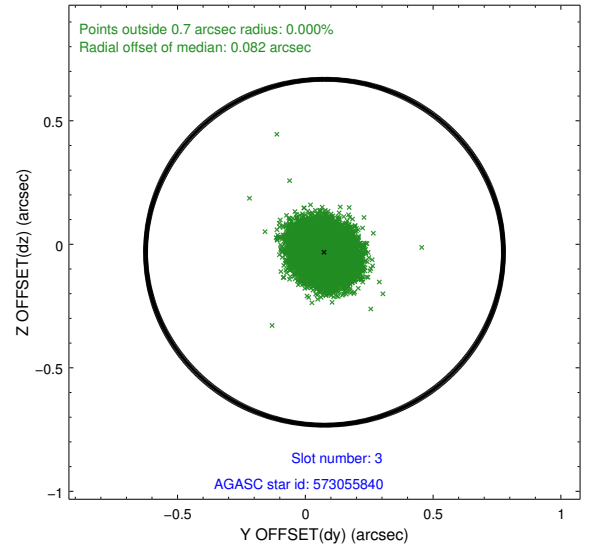
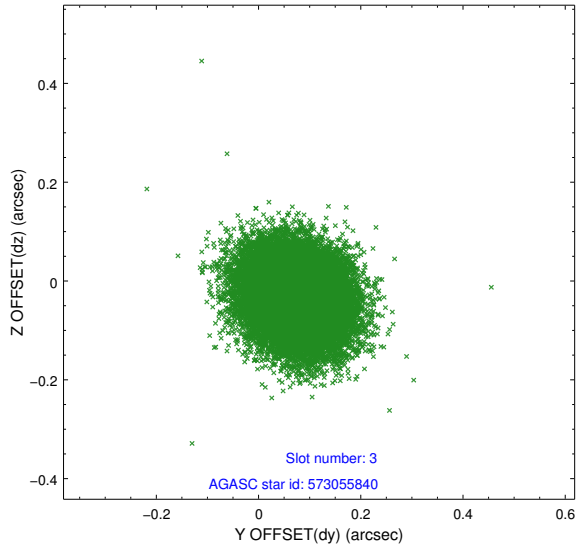


Slot Statistics

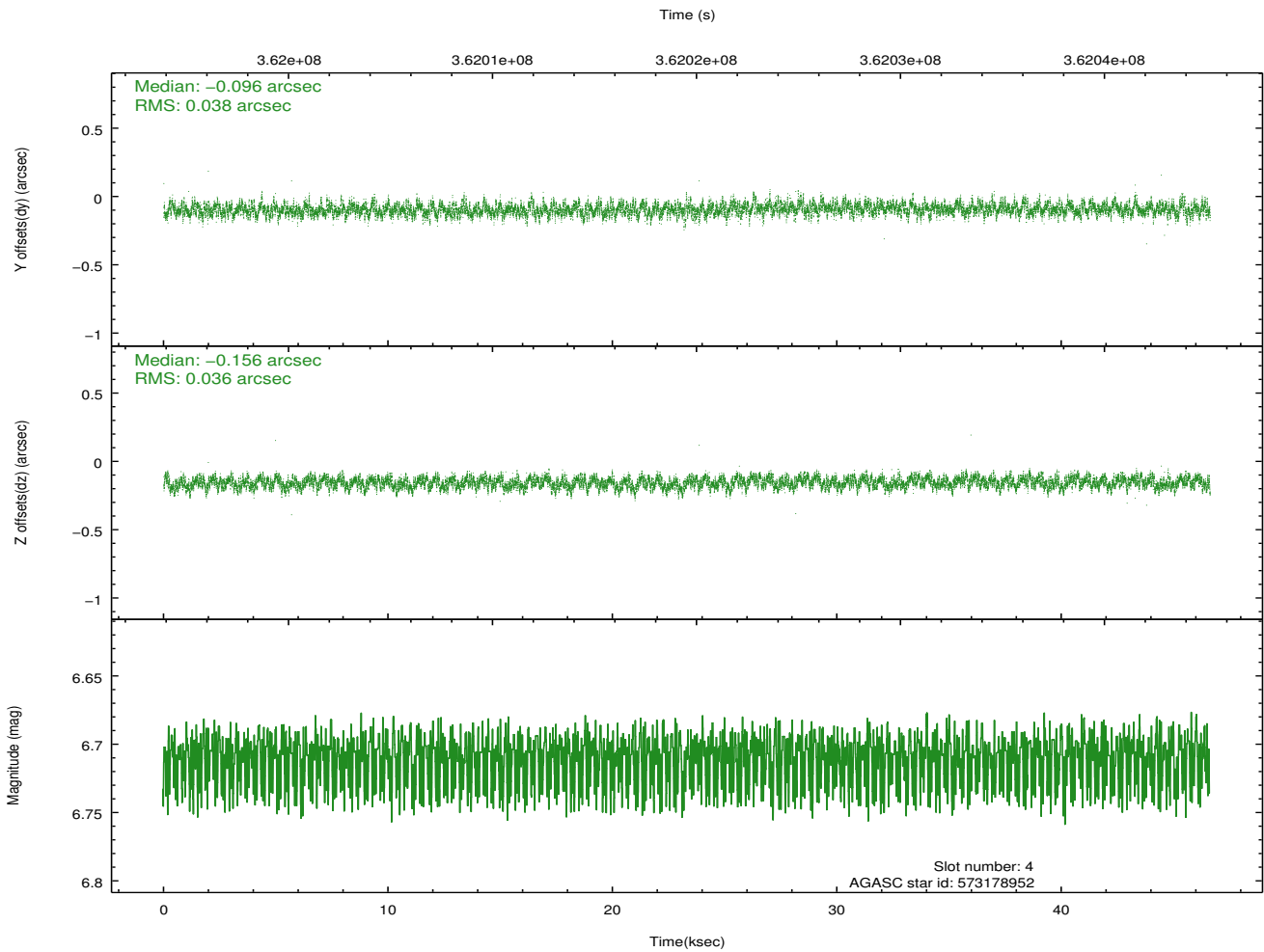
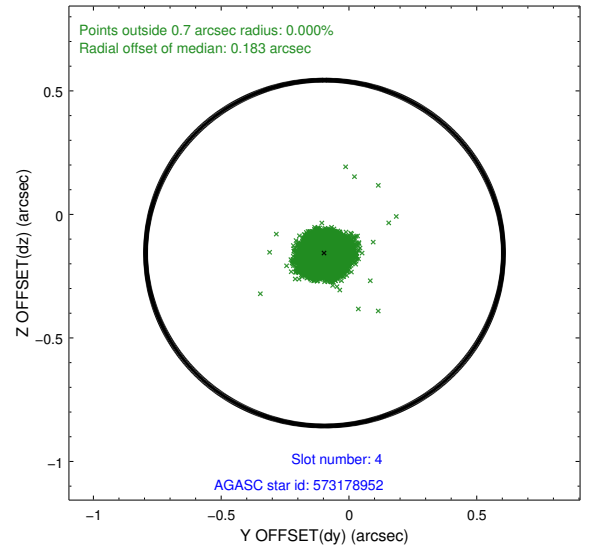
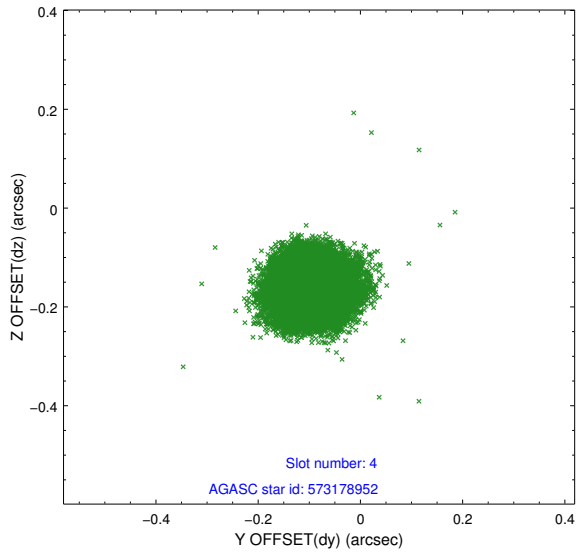
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.96	11370	-0.105	-0.067	0.031	0.062	0.000000	0.000000	-771.54	-1011.03
1	FID	ACIS-I-4	6.92	11371	0.157	0.076	0.013	0.027	0.000000	0.000000	2142.75	895.20
2	FID	ACIS-I-5	7.00	11373	-0.153	0.058	0.026	0.053	0.000000	0.000000	-1825.00	892.01
3	GUIDE	573055840	9.21	22722	0.075	-0.032	0.077	0.127	113.597023	74.523847	-2052.14	284.12
4	GUIDE	573178952	6.71	22742	-0.096	-0.156	0.056	0.089	117.150959	74.043209	1816.95	109.58
5	GUIDE	573179104	9.23	22731	0.118	0.150	0.107	0.181	116.721510	73.777279	1841.41	-938.25
6	GUIDE	573179776	9.11	22720	-0.015	-0.128	0.108	0.170	115.887555	74.372574	193.74	659.80
7	GUIDE	573180248	7.76	22740	-0.079	0.163	0.075	0.122	114.639898	73.595816	190.10	-2398.75

2.4 Star Slots

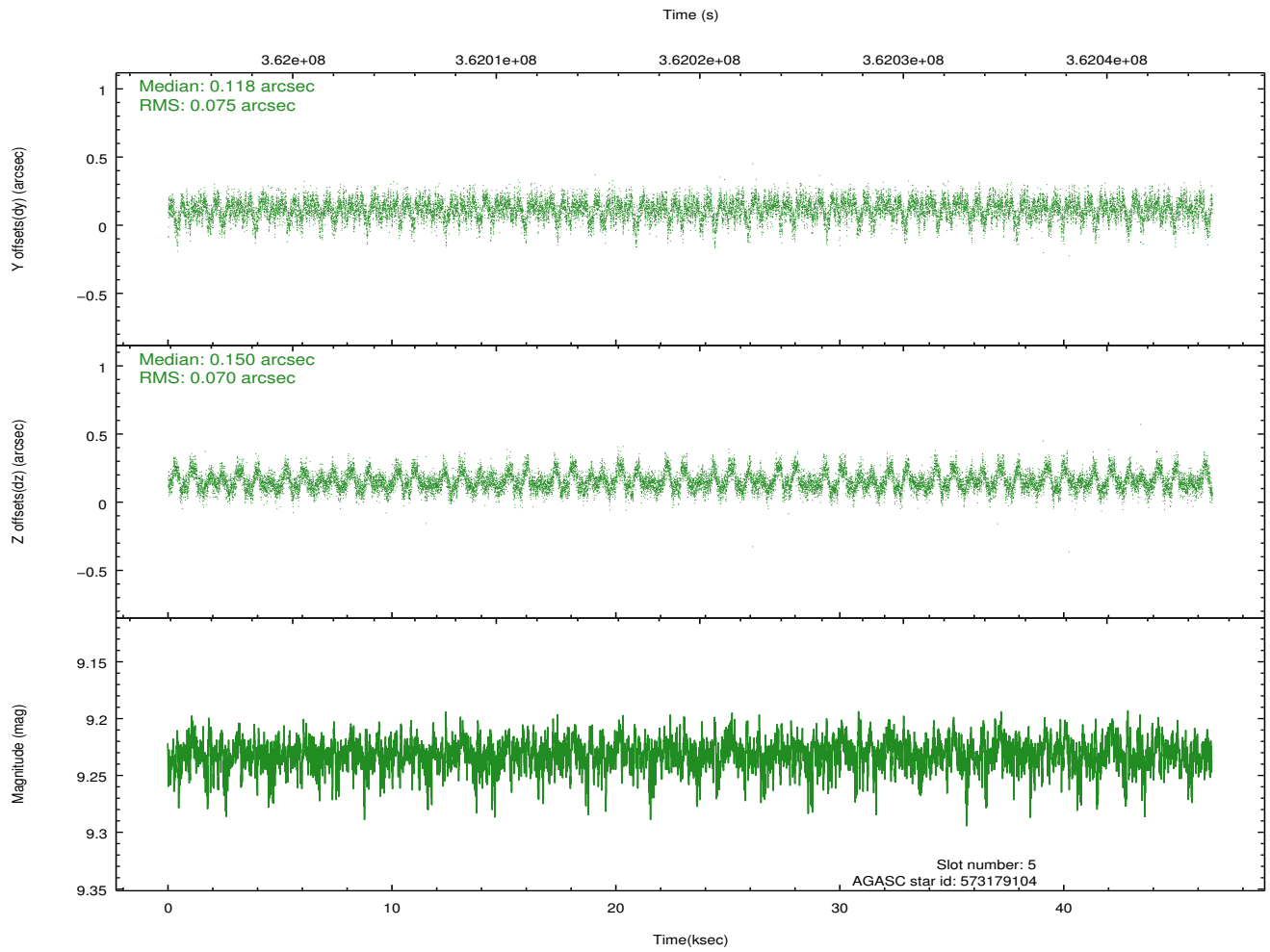
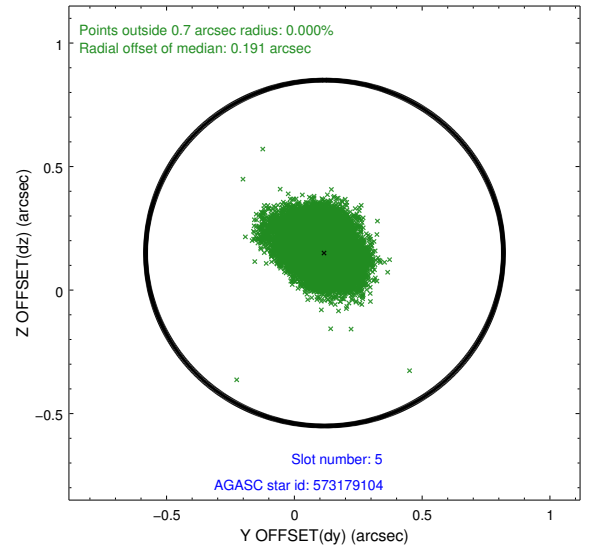
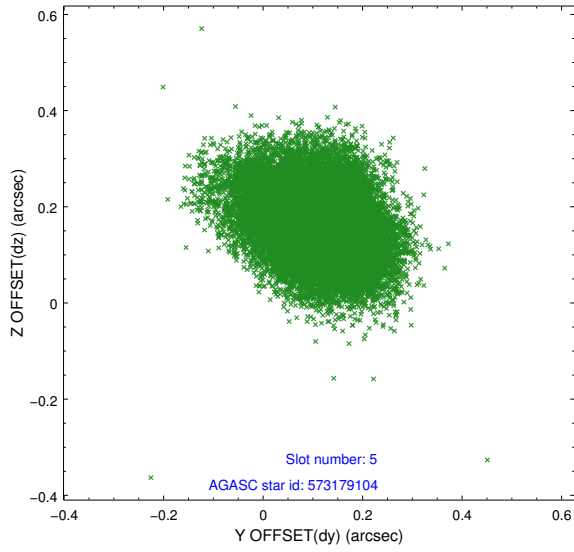
2.4.1 Slot 3



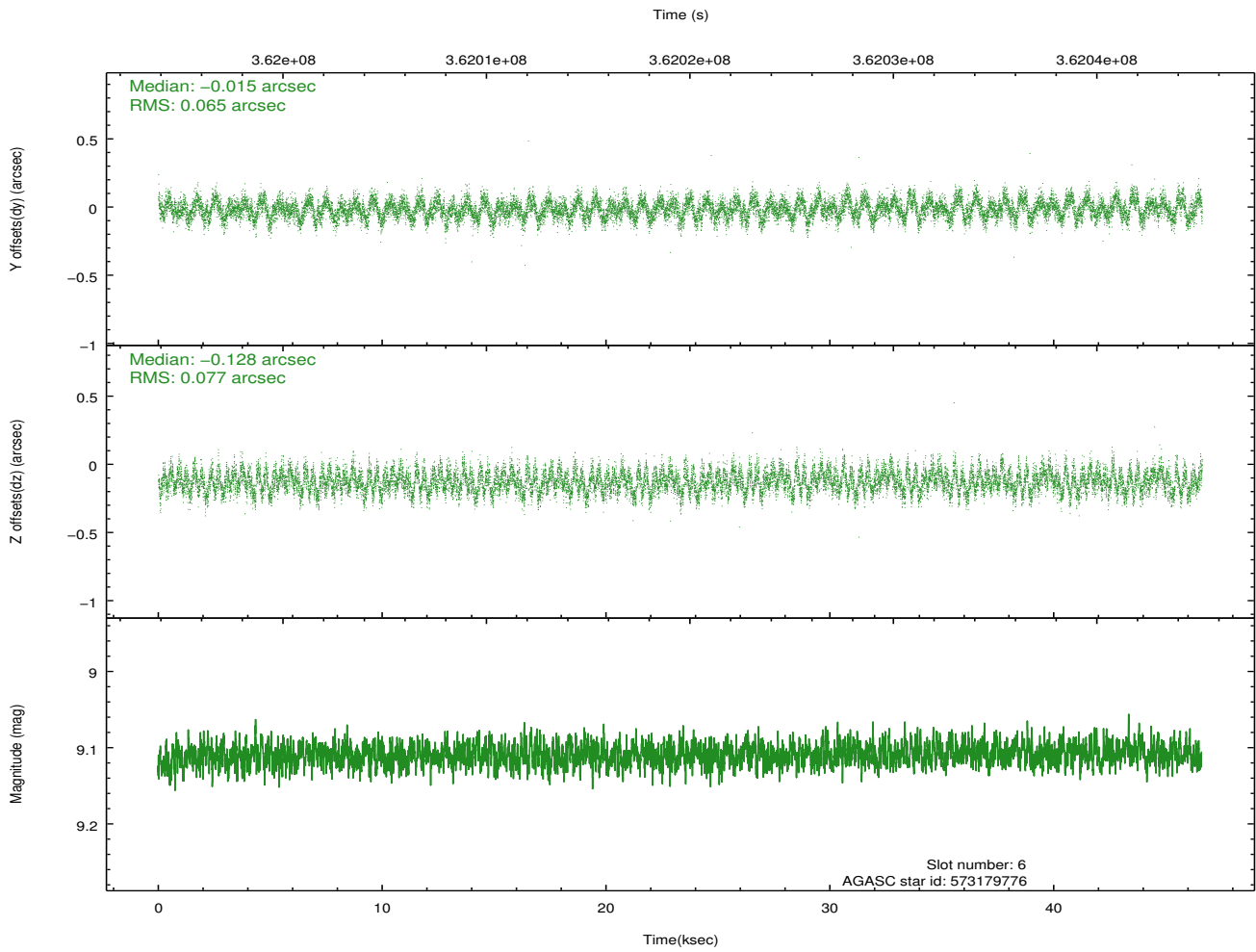
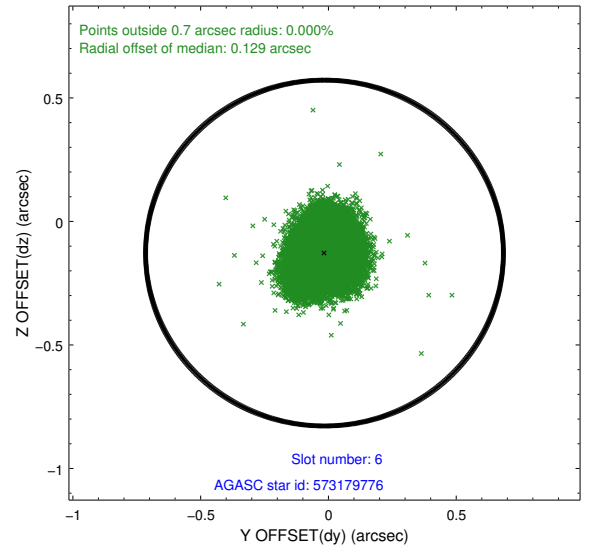
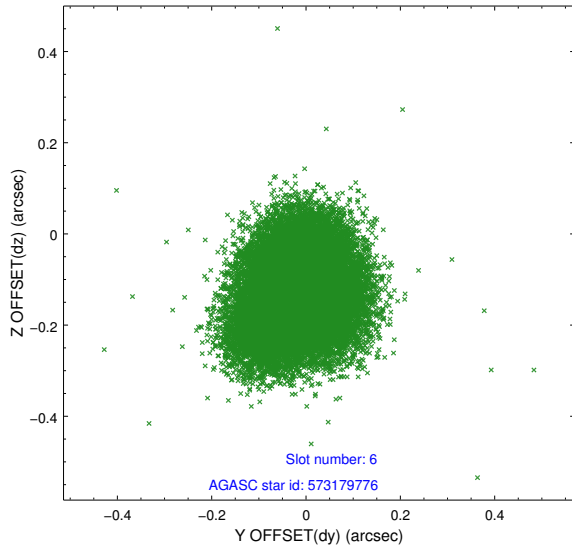
2.4.2 Slot 4



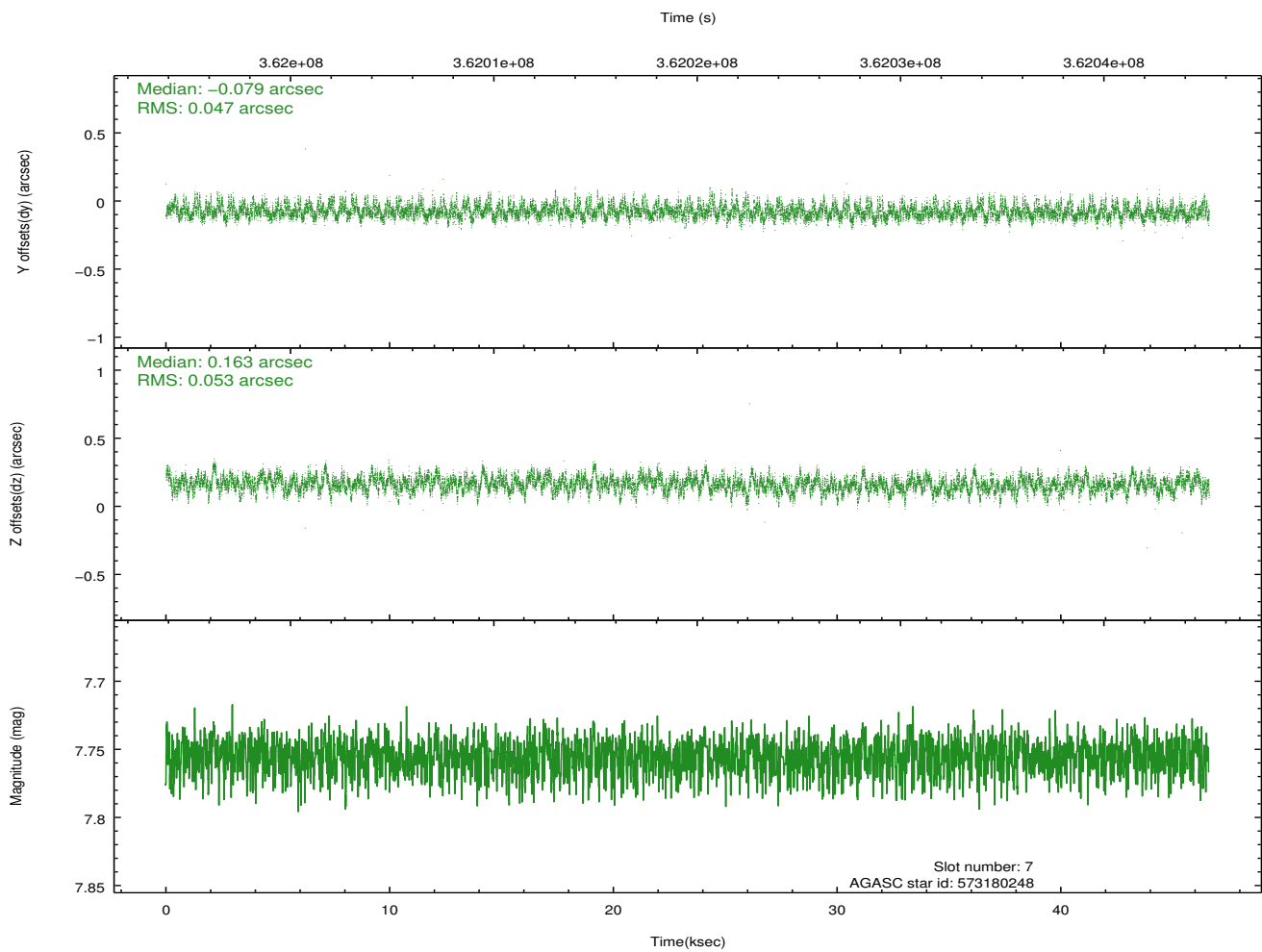
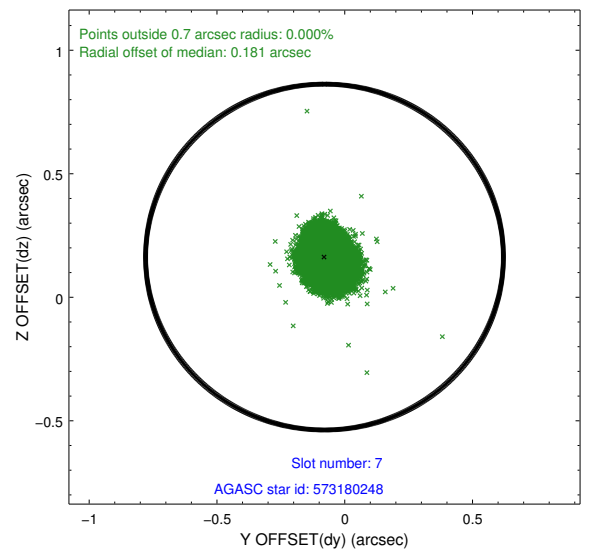
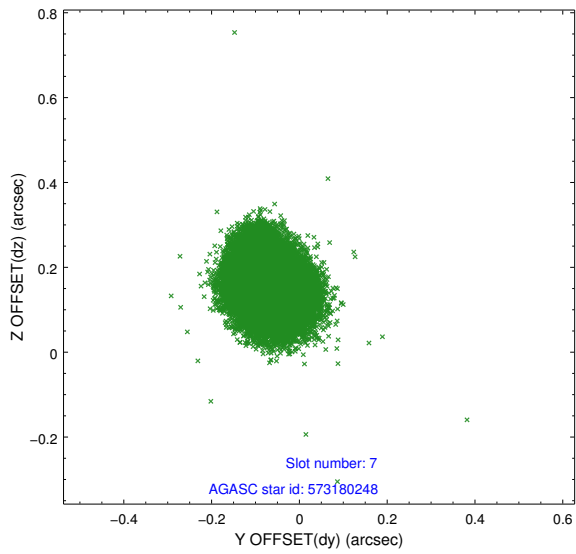
2.4.3 Slot 5



2.4.4 Slot 6

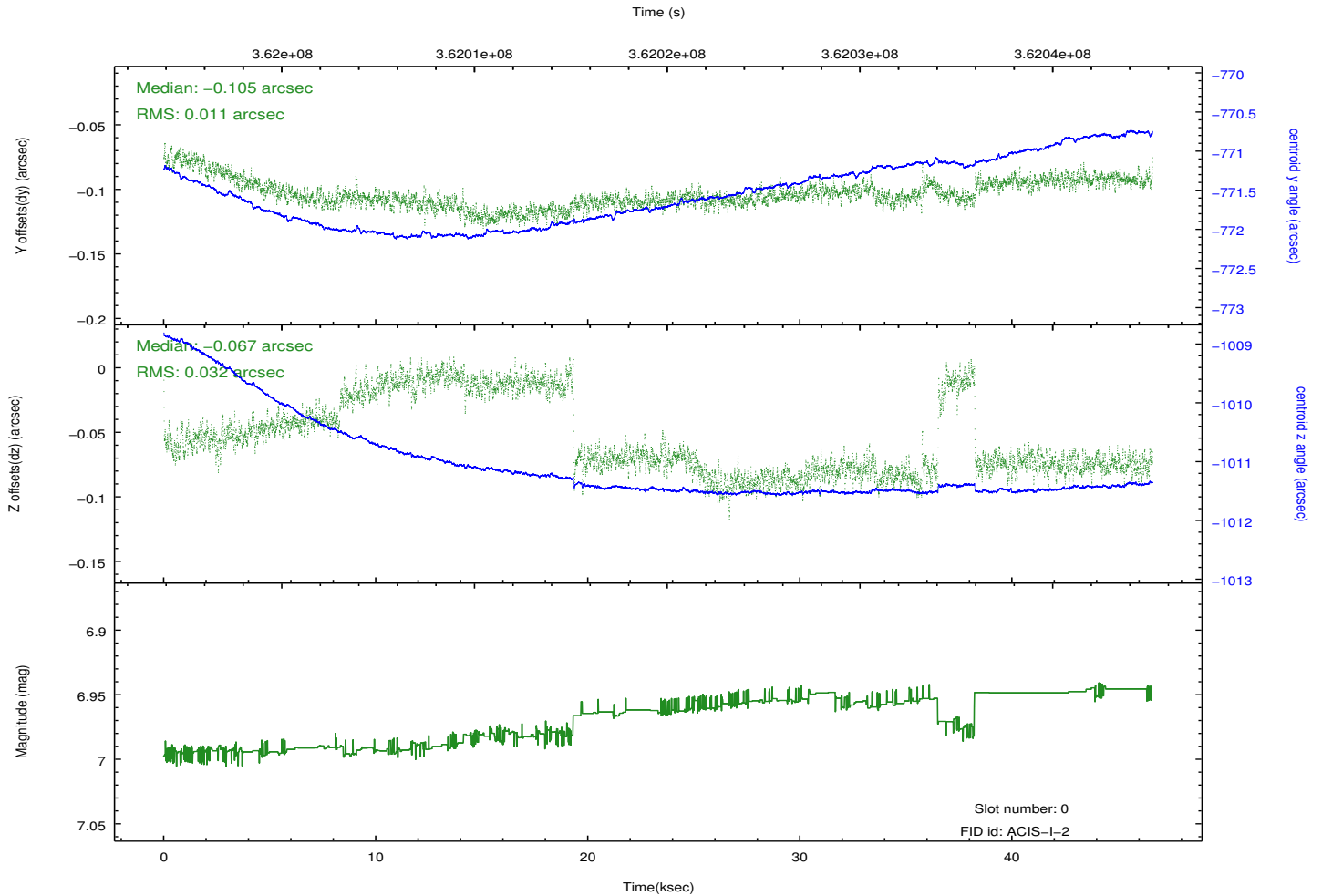
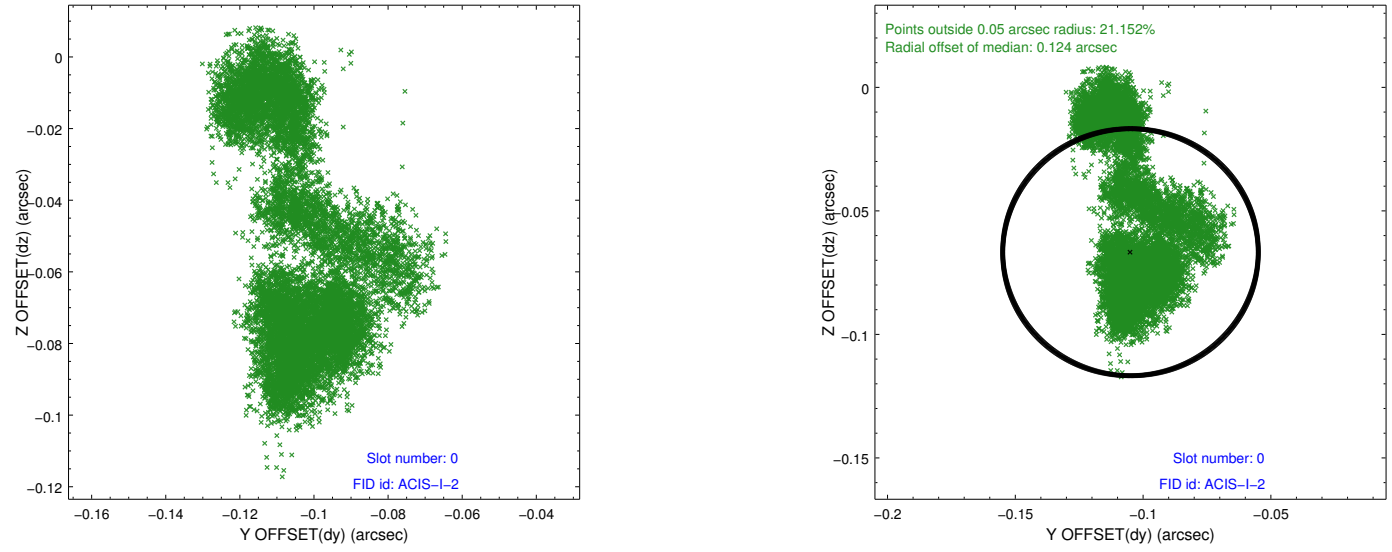


2.4.5 Slot 7

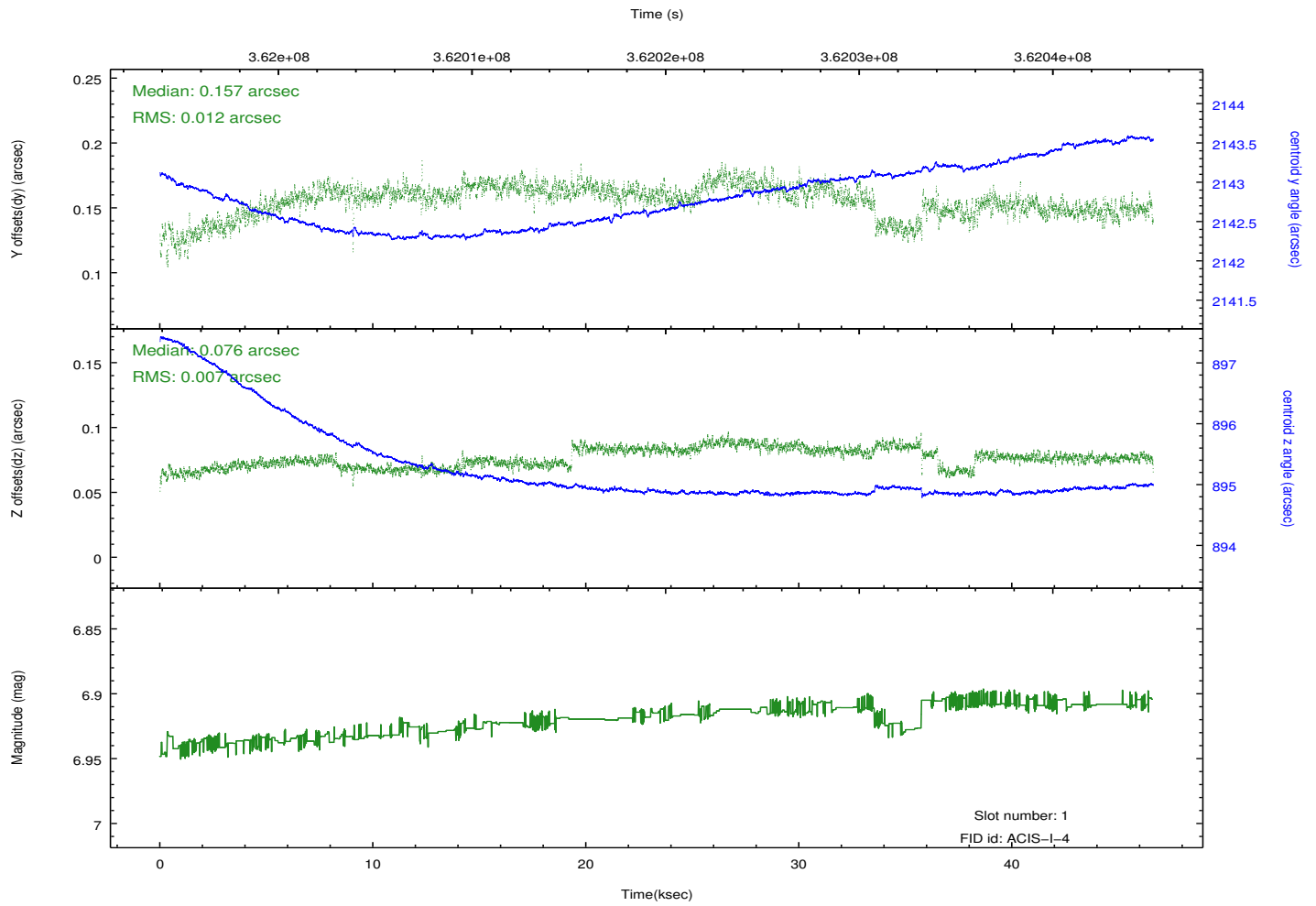
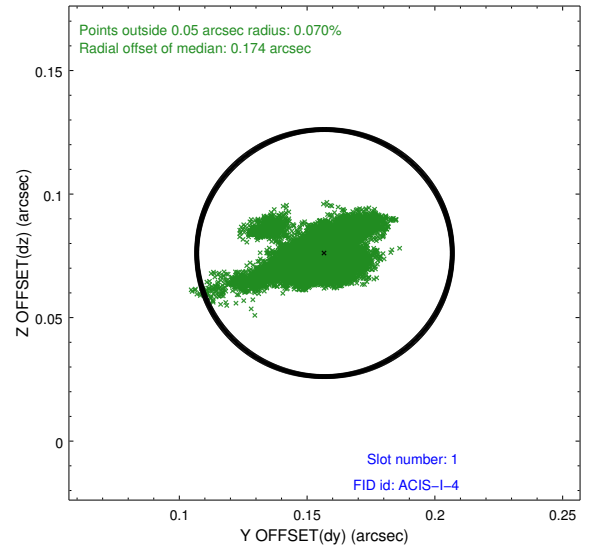
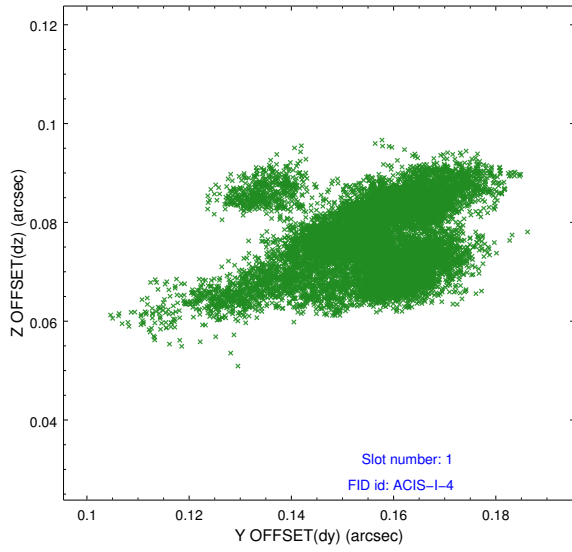


2.5 FID Slots

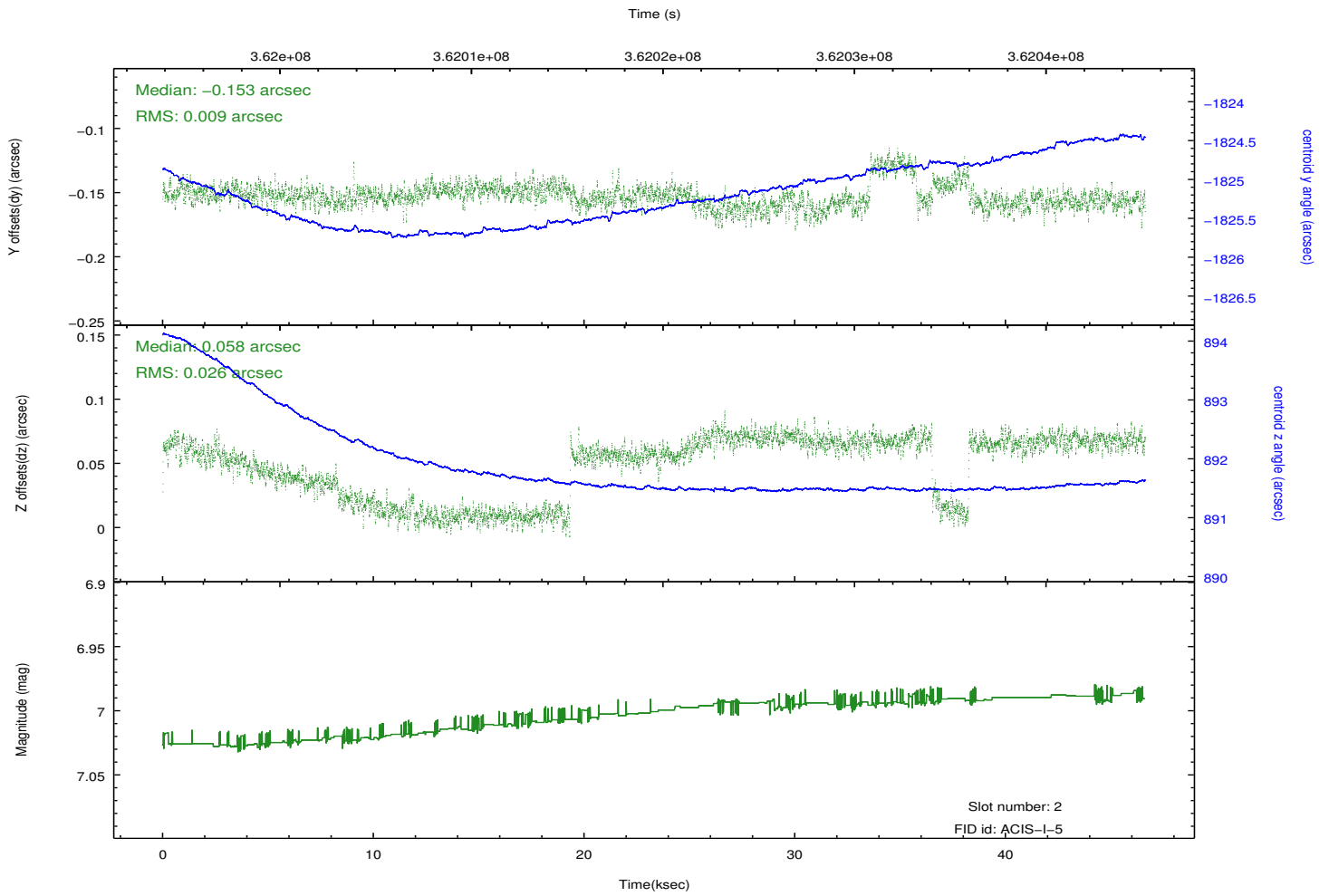
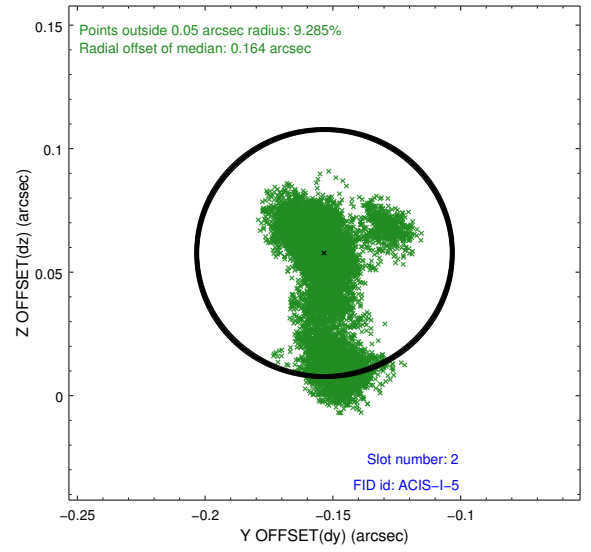
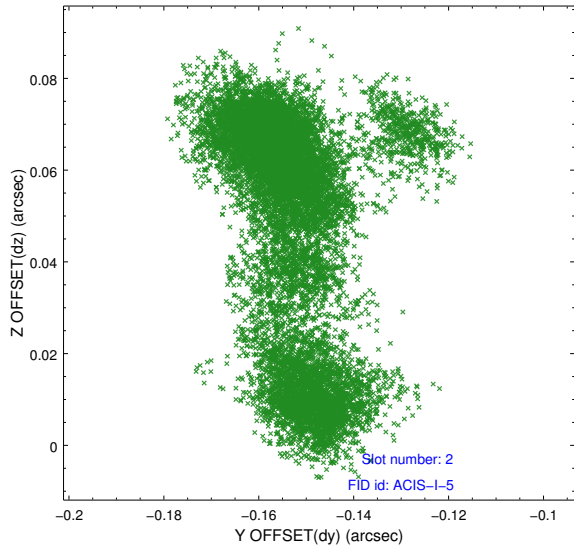
2.5.1 Slot 0



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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.6083364

A.2 Comments