

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14028 - L2 Version 2
Chandra X-Ray Center

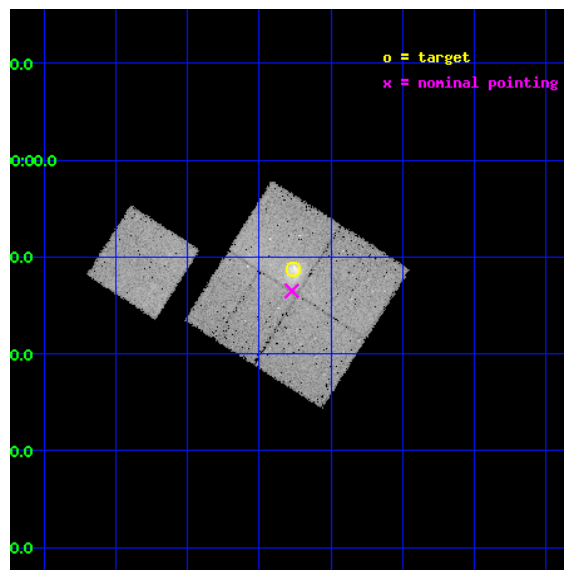
L2 Processing Date : Feb 29 2012

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1 Front

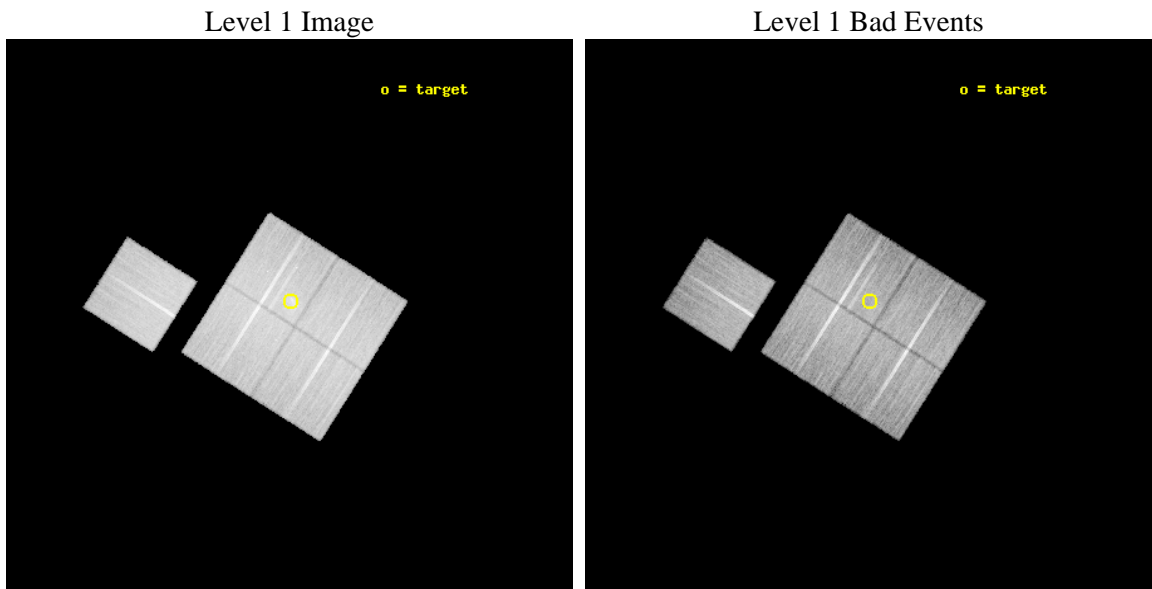
seq_num	801205	Sequence number
obs_id	14028	Observation id
title	One of the most powerful AGN outbursts in an enigmatic cluster ?	P
observer	Dr. Ming Sun	Principal investigator
object	RX J0334.2-0111	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.566667	Observer's specified target RA [deg]
dec_targ	-1.188167	Observer's specified target Dec [deg]
ra_nom	53.568073047819	Nominal RA [deg]
dec_nom	-1.2249405180252	Nominal Dec [deg]
roll_nom	302.4087281752	Nominal Roll [deg]
revision	2	Processing version of data
ontime	38213.659253716	Sum of GTIs [s]
livetime	37714.36966308	Livetime [s]
ontime0	38213.659253597	Sum of GTIs [s]
ontime1	38213.659253716	Sum of GTIs [s]
ontime2	38213.659263253	Sum of GTIs [s]
ontime3	38213.659253716	Sum of GTIs [s]
ontime6	38213.659253597	Sum of GTIs [s]
l2events	113783	Number of level 2 events



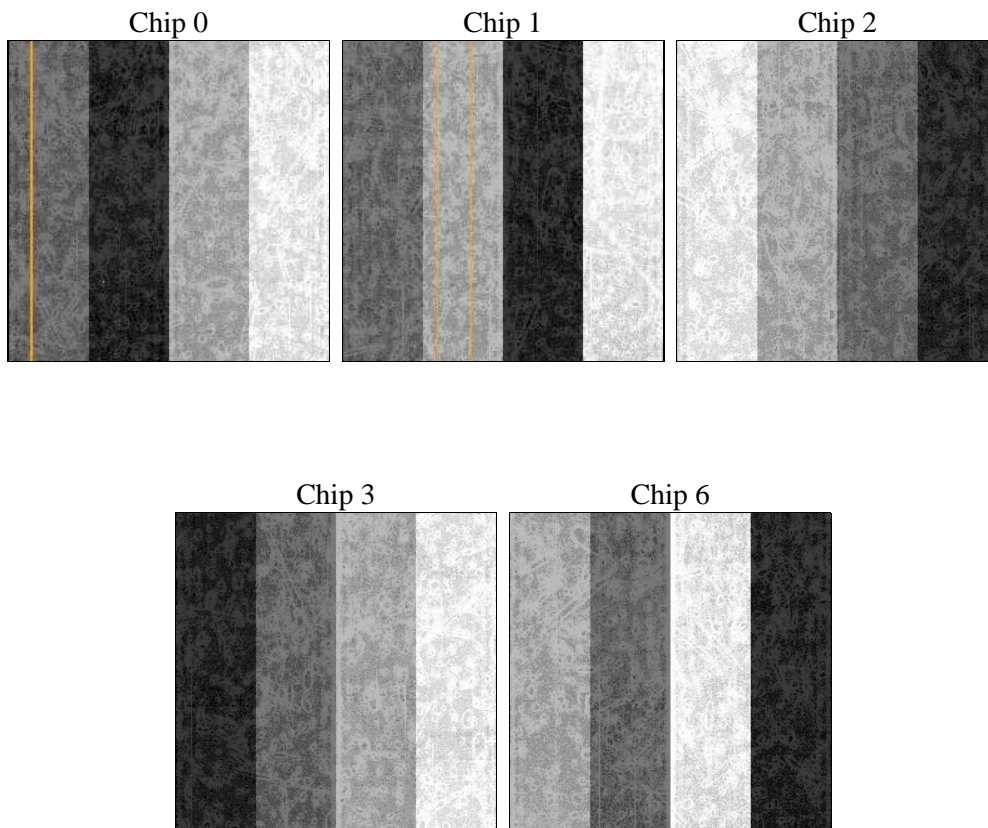
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38161.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	38213.659253716	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	38213.659253597	Sum of GTIs [s]
date	2012-02-29T14:58:35	Date and time of file creation	ontime1	38213.659253716	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	38213.659263253	Sum of GTIs [s]
			ontime3	38213.659253716	Sum of GTIs [s]
			ontime6	38213.659253597	Sum of GTIs [s]
			l1events	1100626	Number of level 1 events

2.1.4 Events

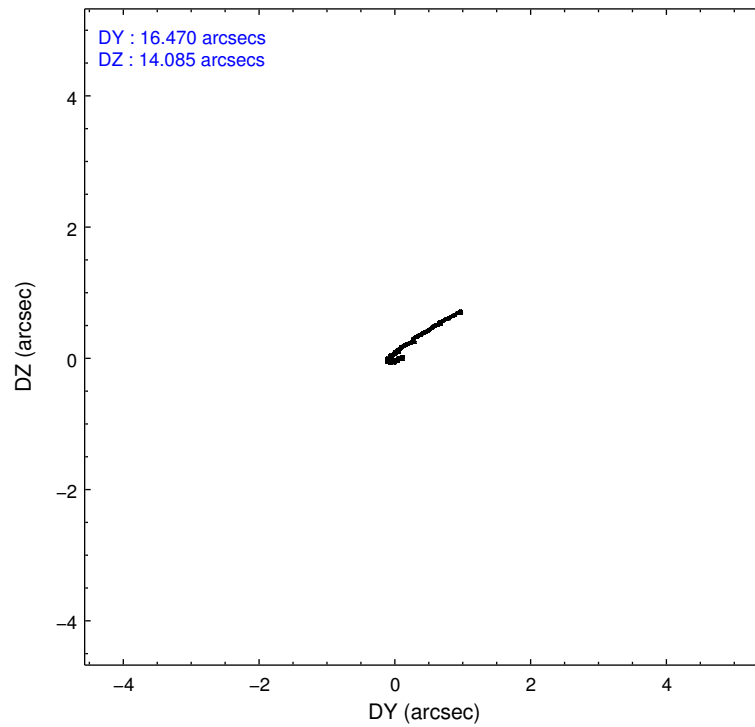
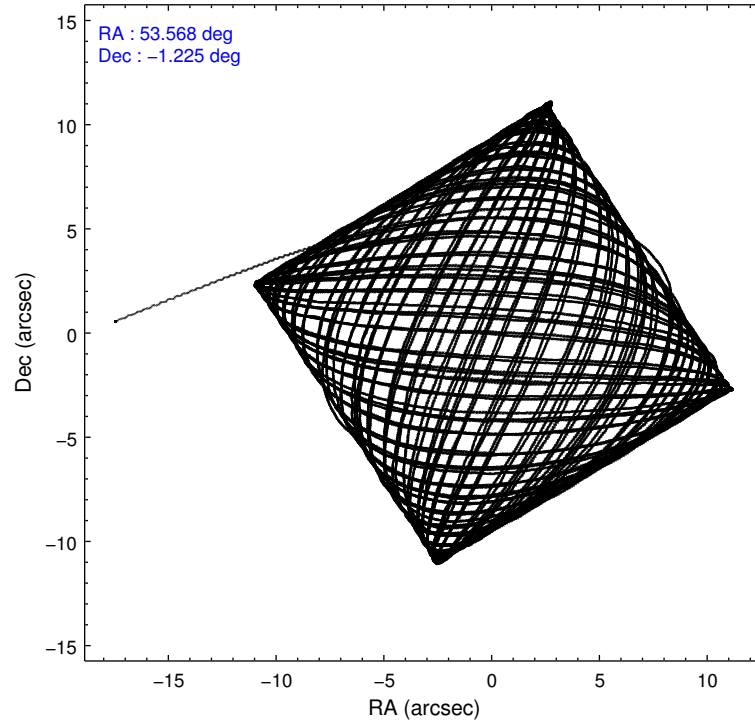
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	210352	213094	229295	225847	222038
rejected events	185170	186581	204252	192782	196591
rejected %	88%	87%	89%	85%	88%

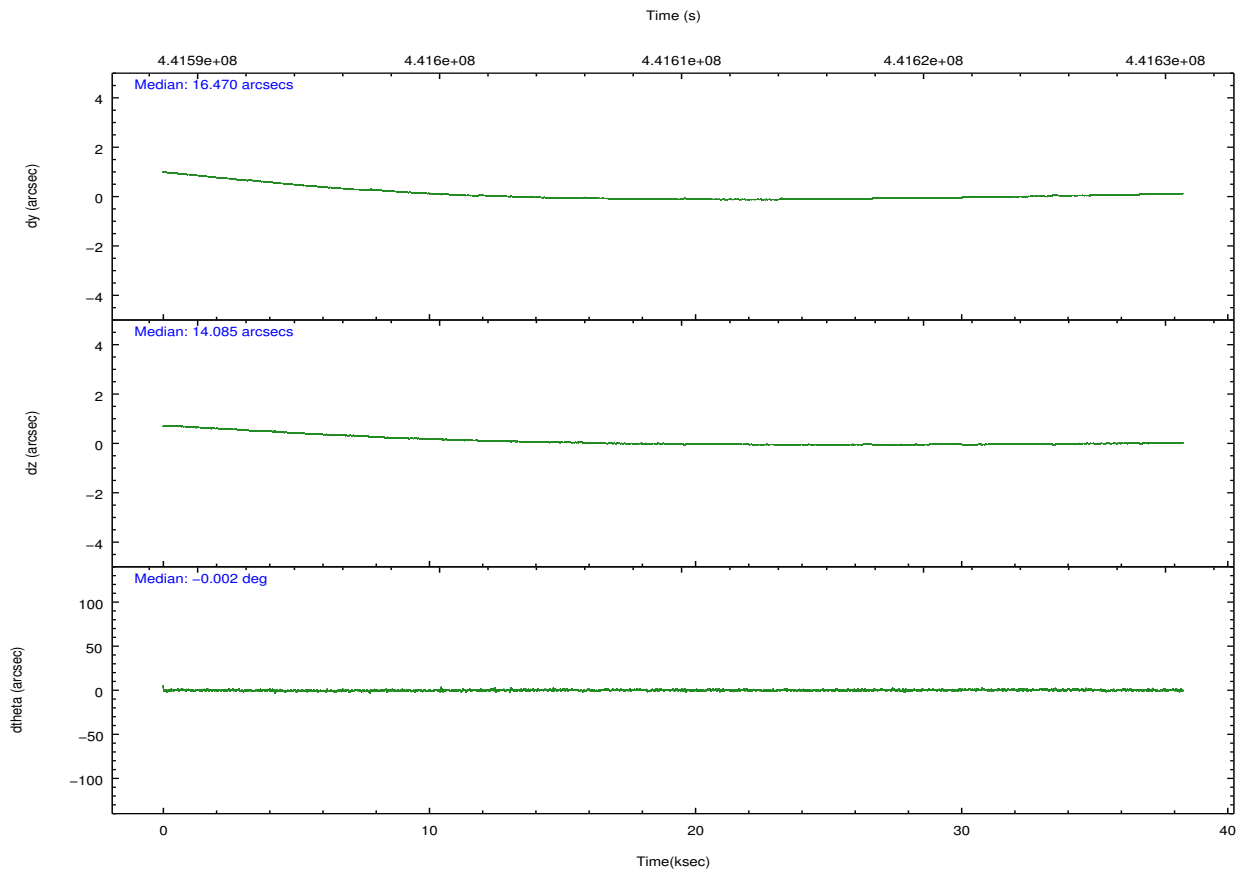
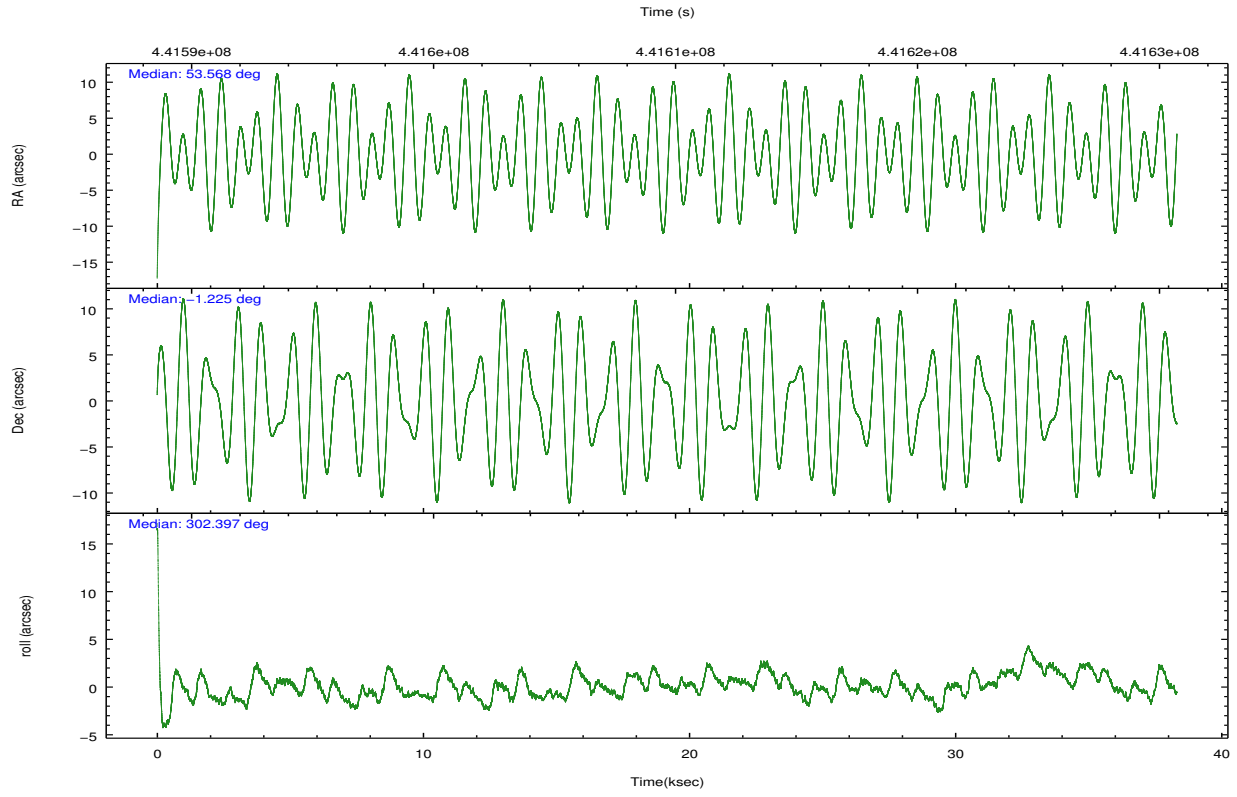
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9237	9369	9894	16327	9138
	4%	4%	4%	7%	4%
grade 1 events	139	128	140	177	106
	0%	0%	0%	0%	0%
grade 2 events	6309	6085	5908	6254	5694
	2%	2%	2%	2%	2%
grade 3 events	2600	2792	2423	2813	2677
	1%	1%	1%	1%	1%
grade 4 events	2480	2790	2451	2813	2607
	1%	1%	1%	1%	1%
grade 5 events	8130	8871	7388	9508	9084
	3%	4%	3%	4%	4%
grade 6 events	4560	5482	4369	4868	5336
	2%	2%	1%	2%	2%
grade 7 events	176897	177577	196722	183087	187396
	84%	83%	85%	81%	84%

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	53.543647	53.56807304781856	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.212309	-1.224940518025168	Alternating exposures requested	N	N
[deg] Pointing Roll	302.199515	302.408728175201	[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)	441590649.184000	441589487.38664			
Observation start date	2011-12-30T00:03:03	2011-12-29T23:44:47			
[s] Observation end time (MET)	441628810.184000	441629661.75127			
Observation end date	2011-12-30T10:39:04	2011-12-30T10:54:21			
Read mode	TIMED	TIMED			

2.3 Aspect





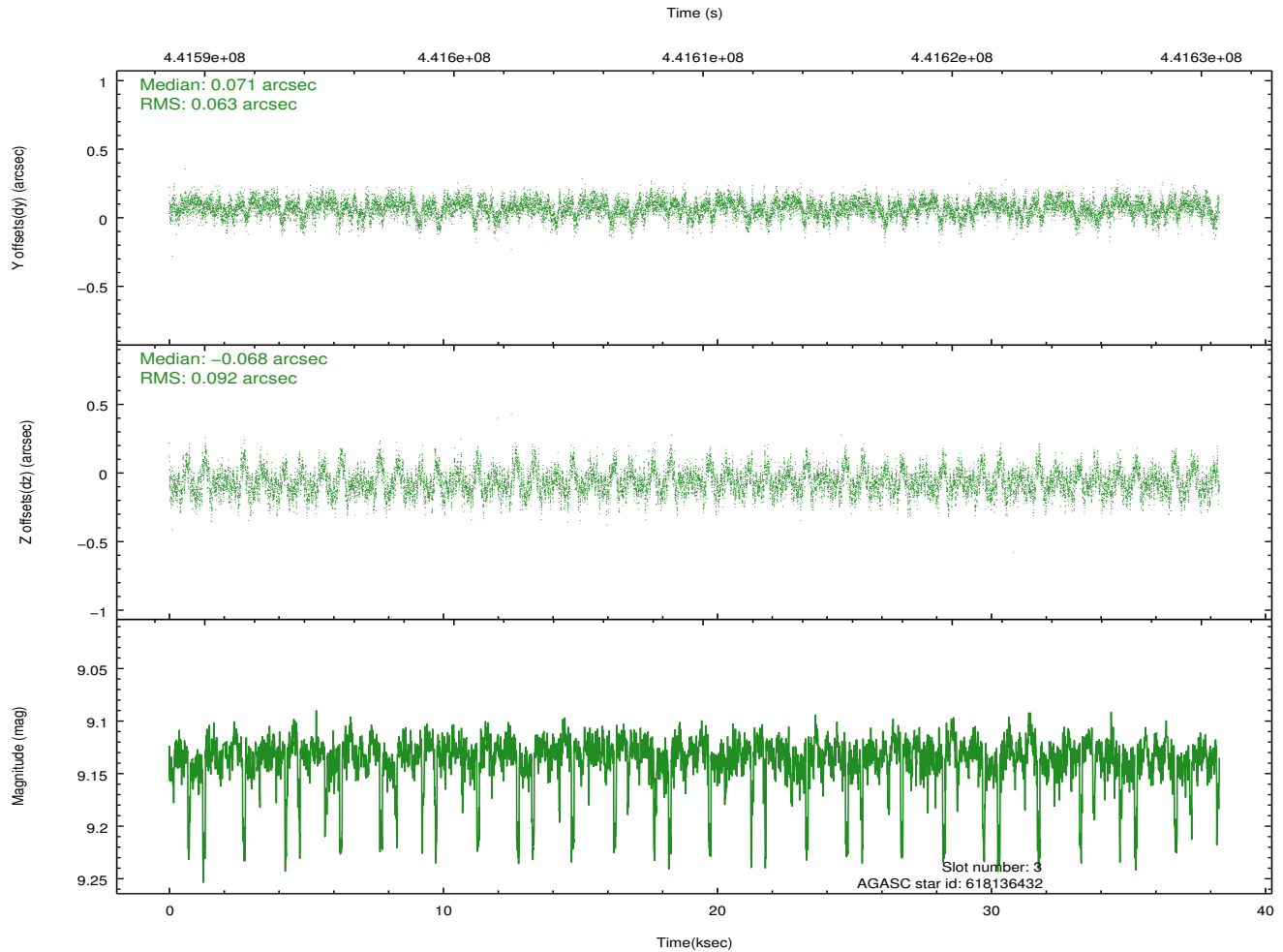
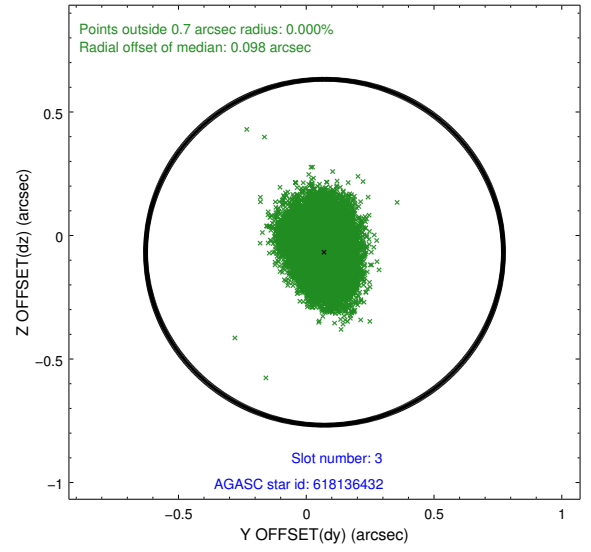
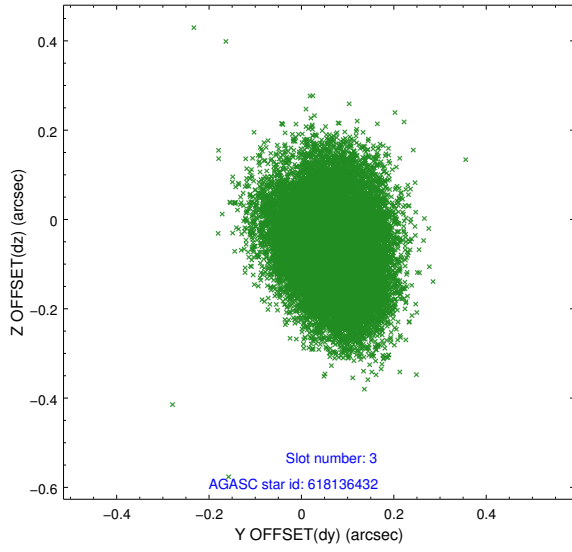
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.14	9347	-0.010	0.092	0.010	0.018	0.000000	0.000000	922.83	-837.68
1	FID	ACIS-I-2	7.05	9346	-0.115	-0.087	0.010	0.017	0.000000	0.000000	-771.35	-844.31
2	FID	ACIS-I-6	7.14	9346	0.033	0.061	0.010	0.023	0.000000	0.000000	388.50	1704.10
3	GUIDE	618136432	9.13	18587	0.071	-0.068	0.119	0.196	53.083435	-1.691633	578.75	-2320.57
4	GUIDE	618136976	8.87	18686	0.132	0.047	0.094	0.152	53.265380	-1.295445	-279.56	-1006.72
5	GUIDE	618138192	8.52	18694	-0.073	0.035	0.085	0.137	53.803764	-0.738896	-941.38	1700.91
6	GUIDE	618139008	8.93	18680	-0.130	0.131	0.082	0.138	53.466061	-0.610194	-1982.61	919.53
7	GUIDE	618141048	7.26	18691	0.002	-0.138	0.080	0.134	53.300645	-1.860629	1509.78	-1983.10

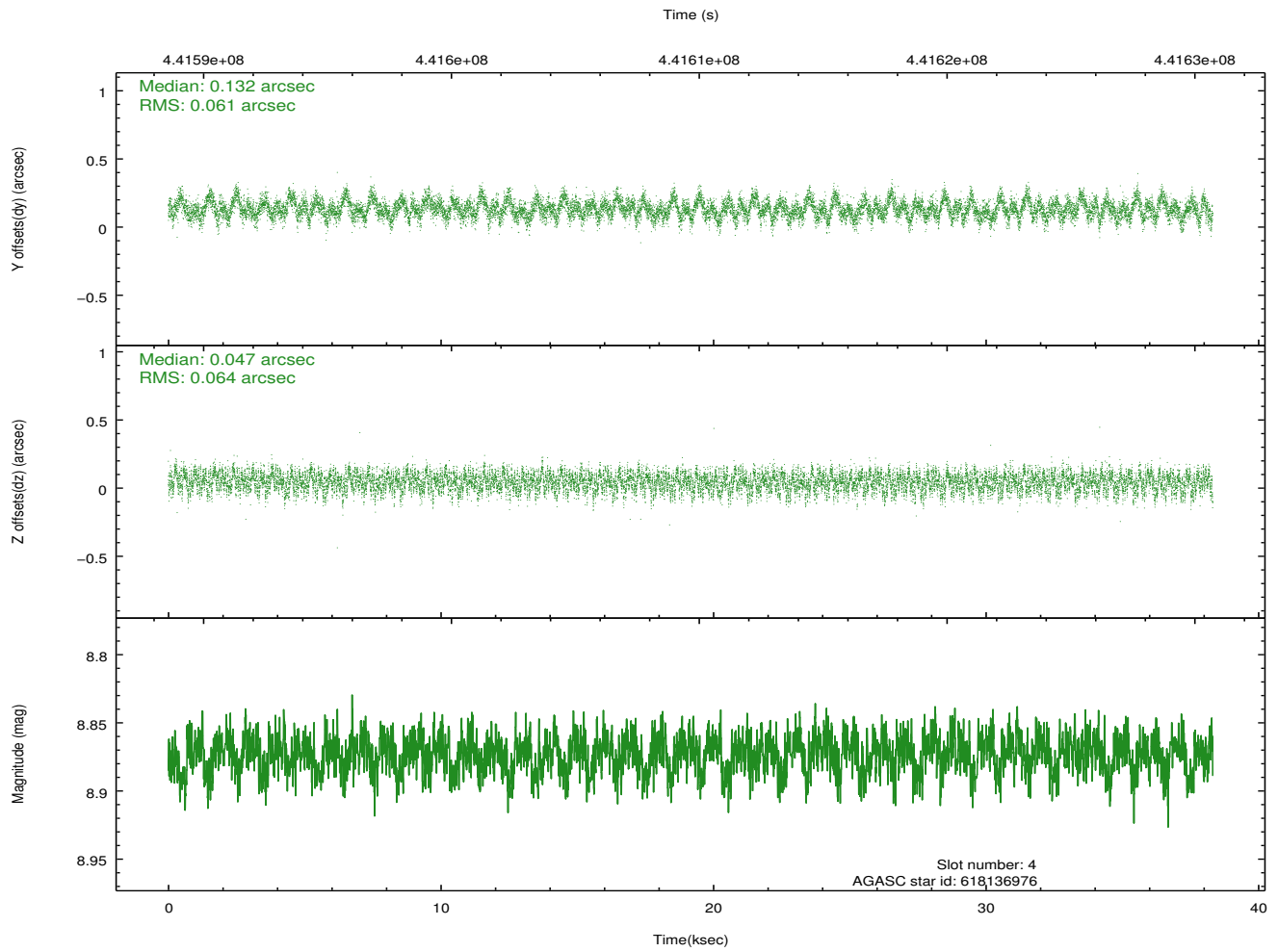
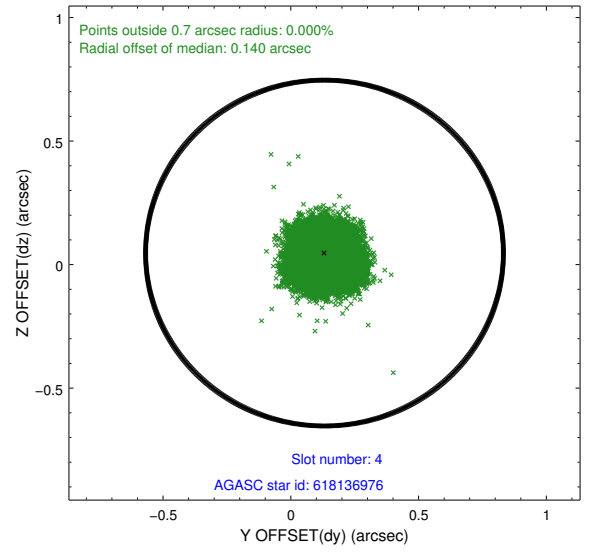
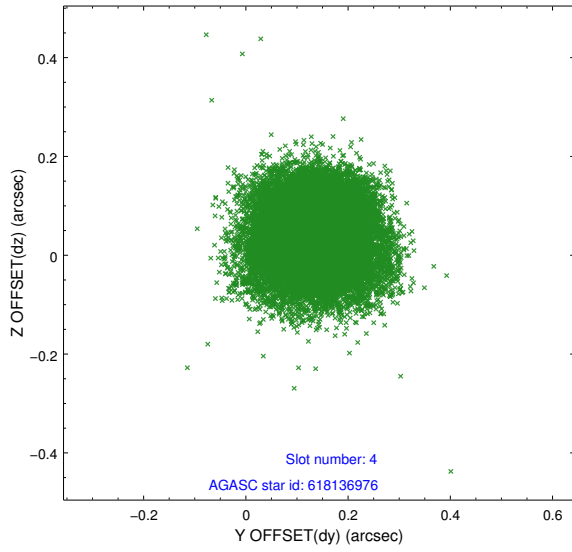
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2.4 Star Slots

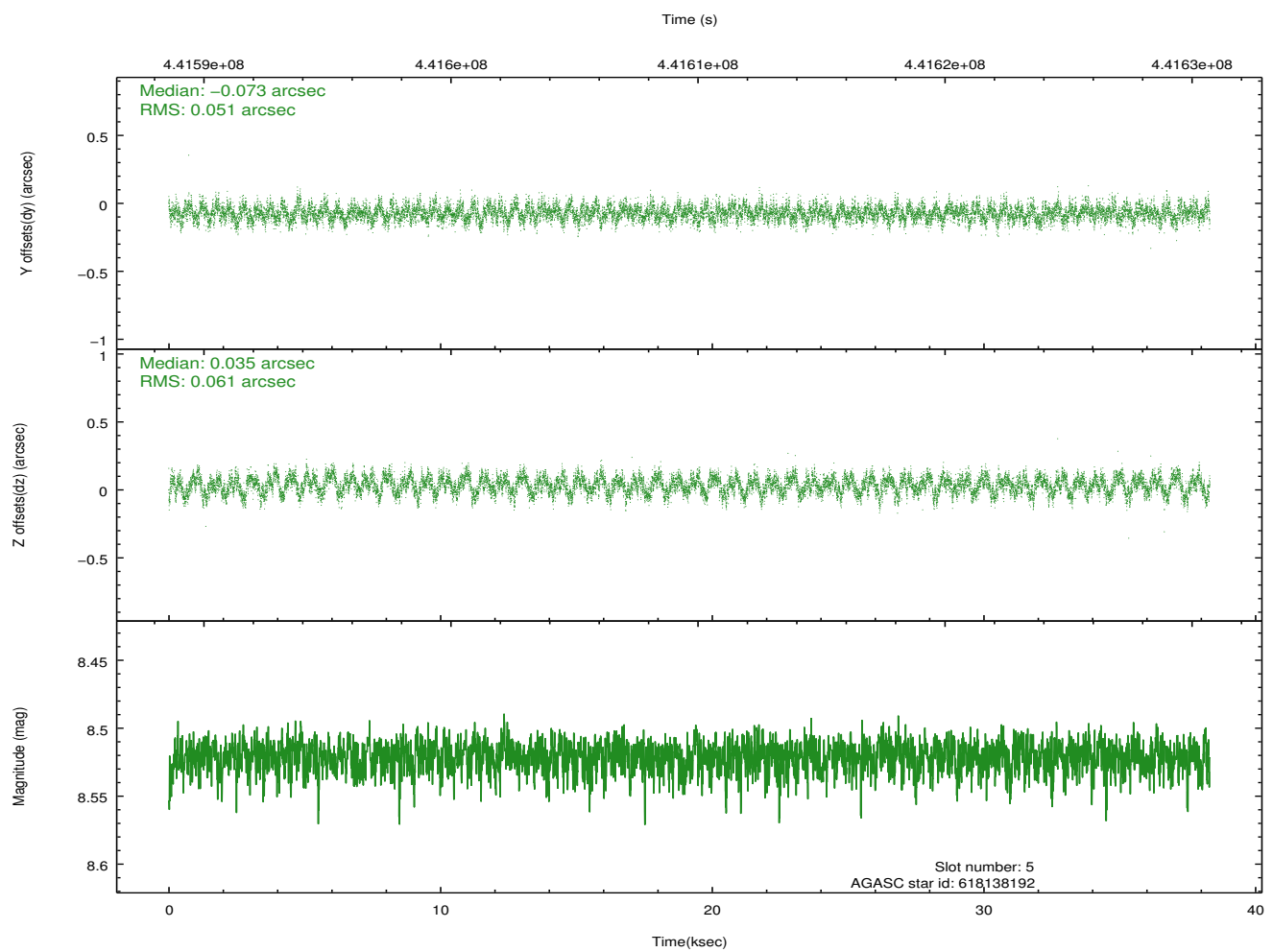
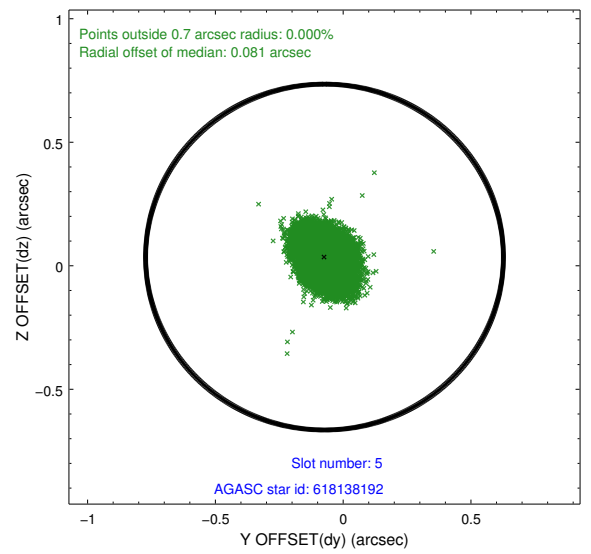
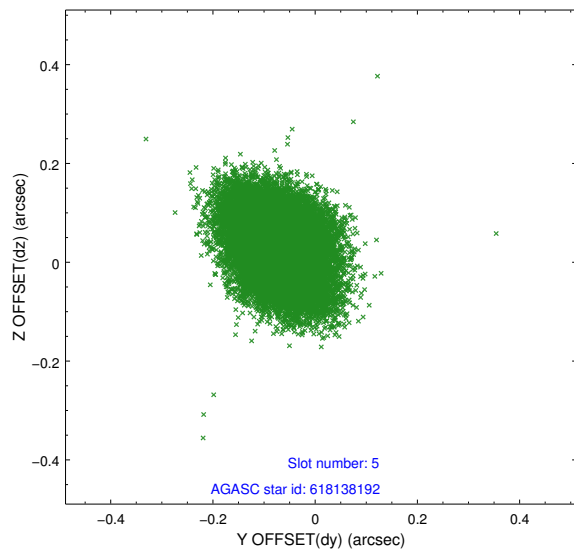
2.4.1 Slot 3



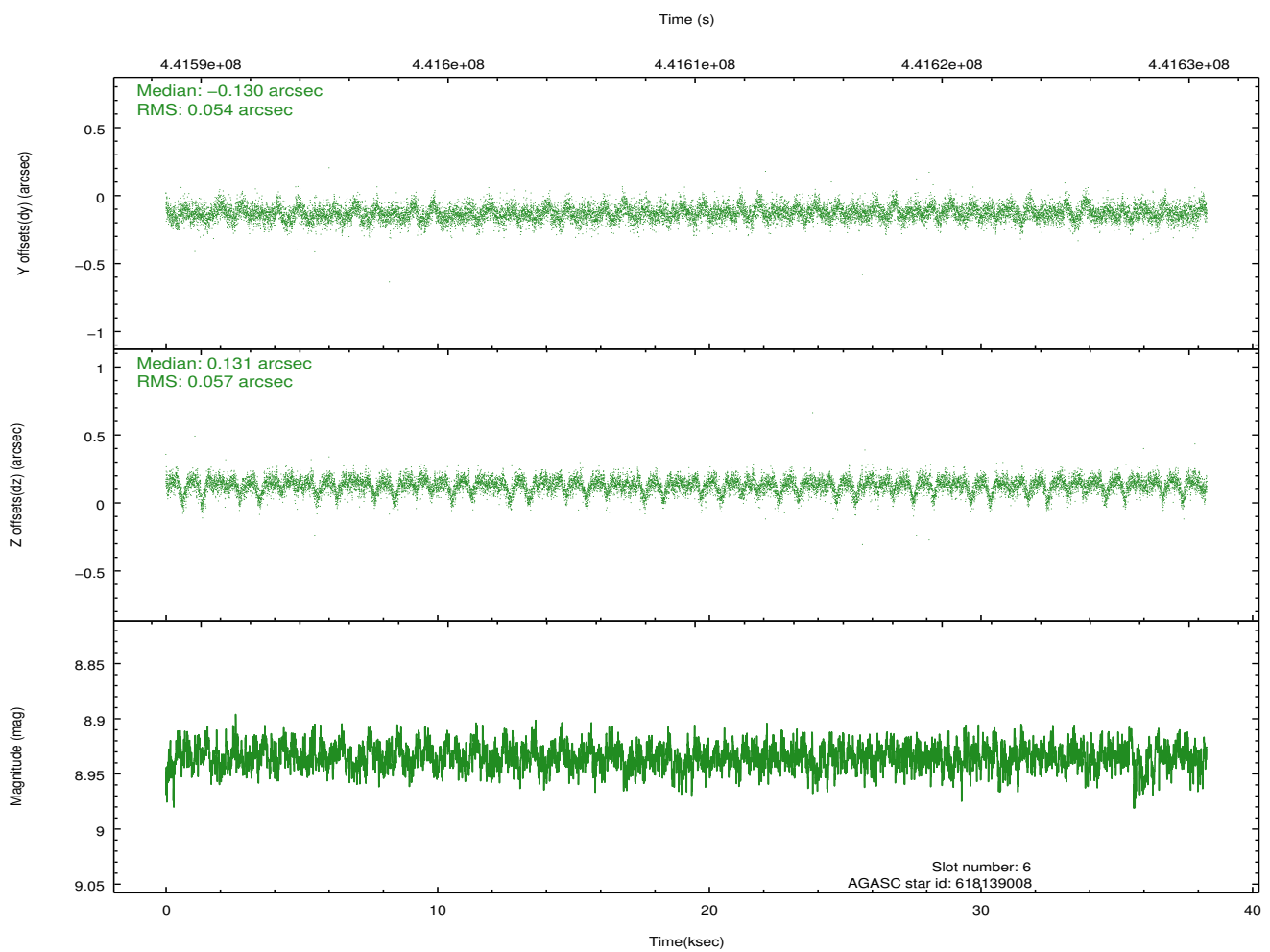
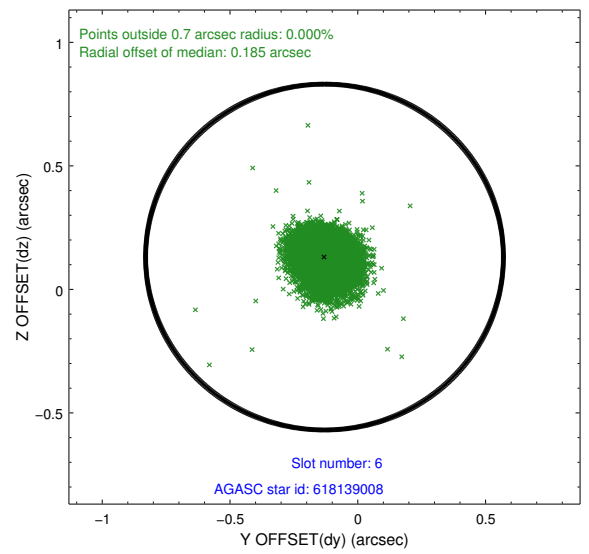
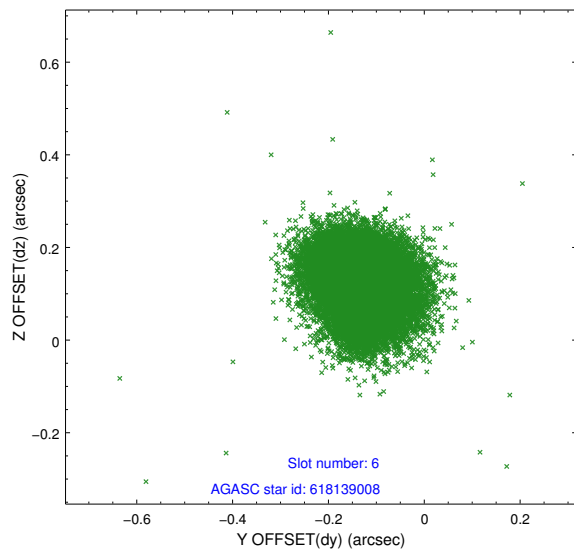
2.4.2 Slot 4



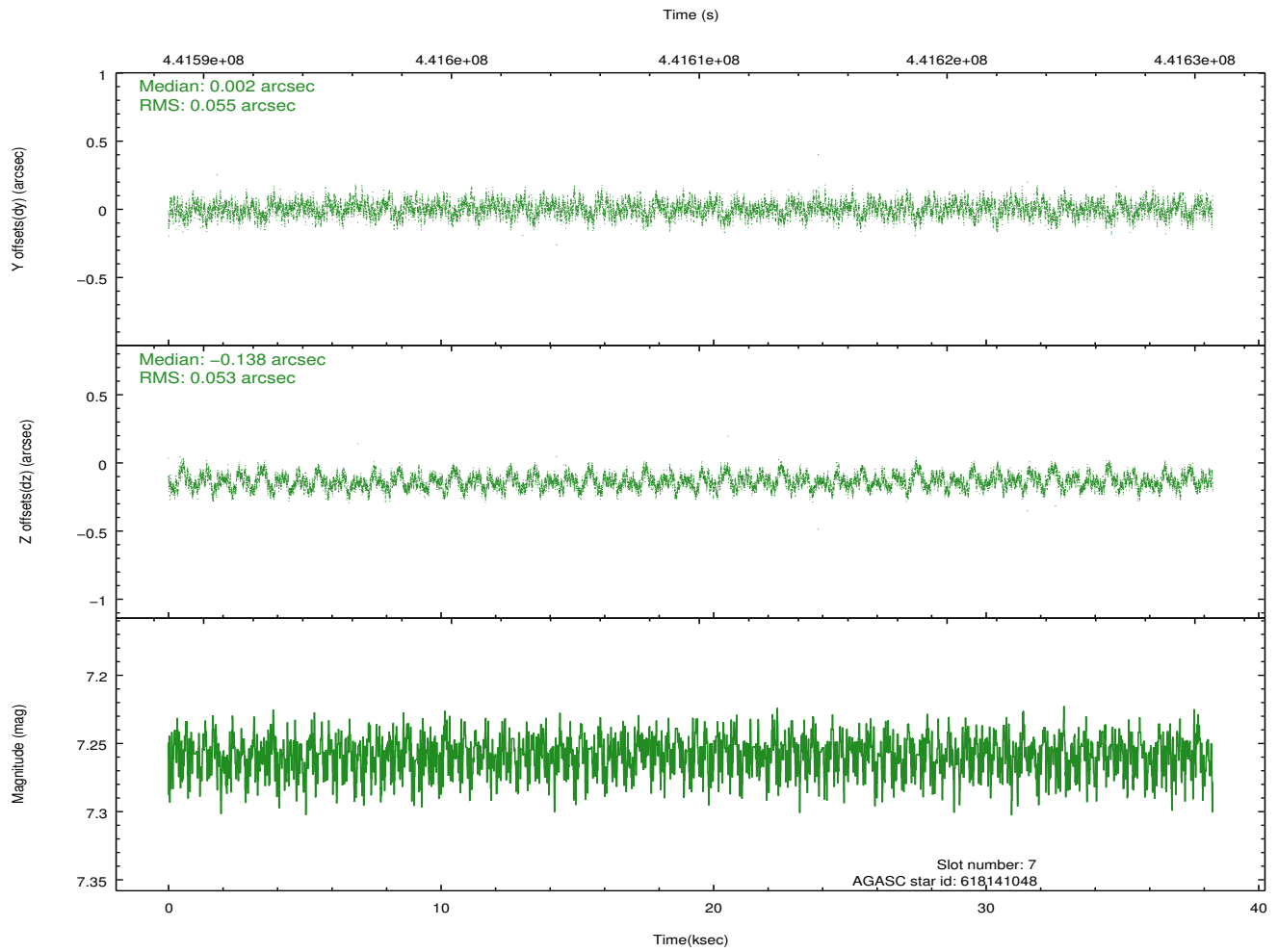
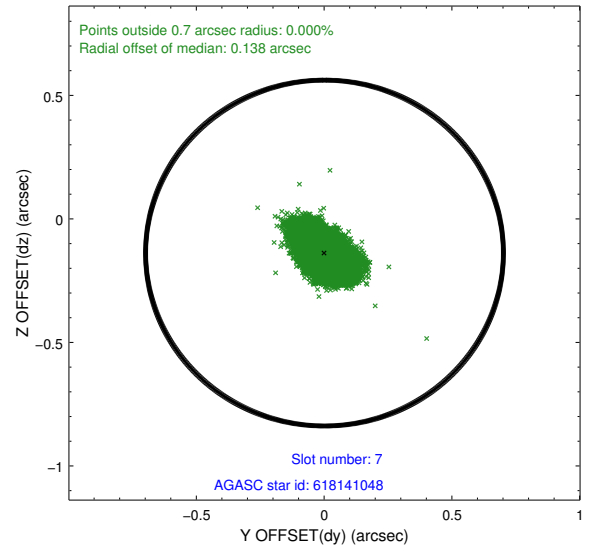
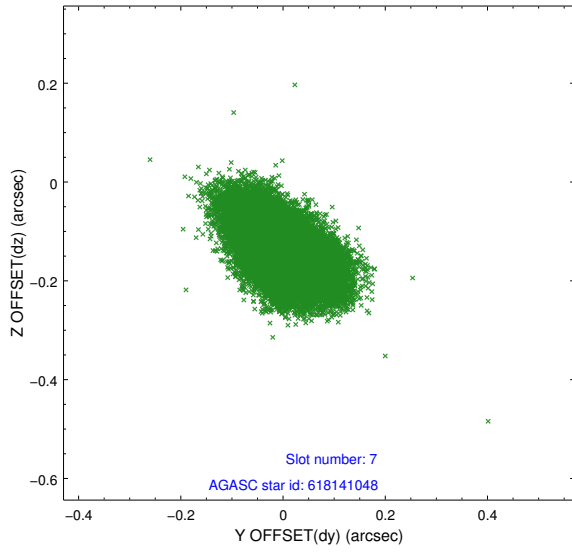
2.4.3 Slot 5



2.4.4 Slot 6

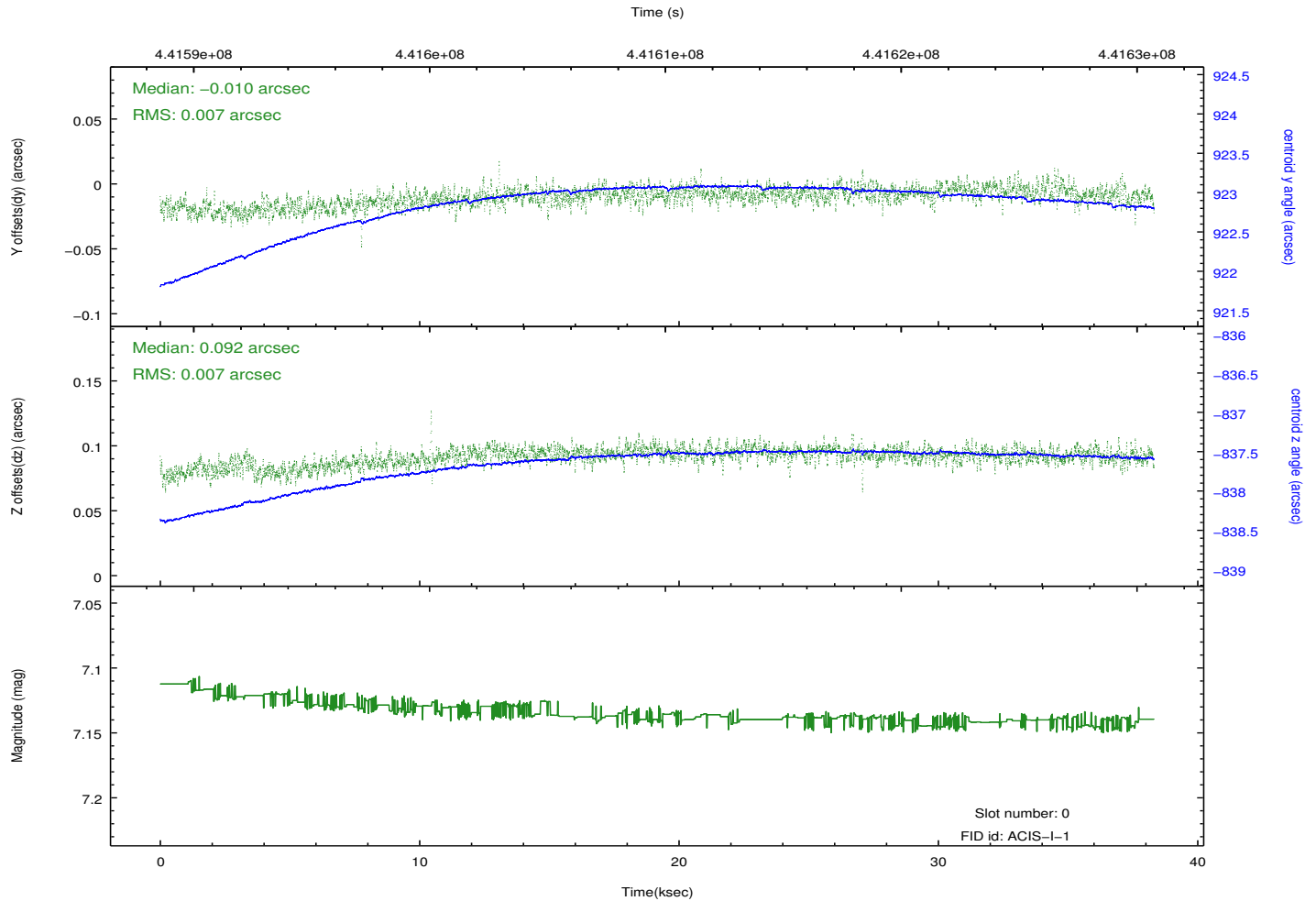
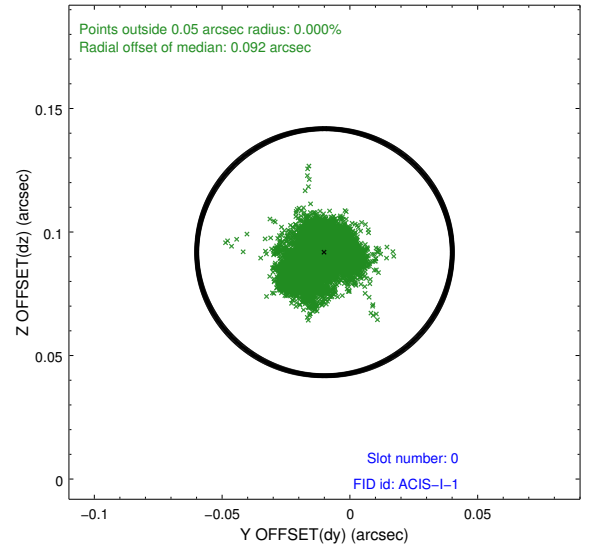
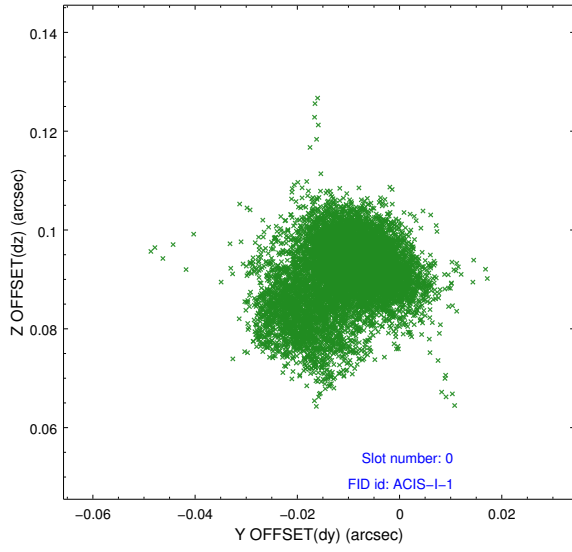


2.4.5 Slot 7

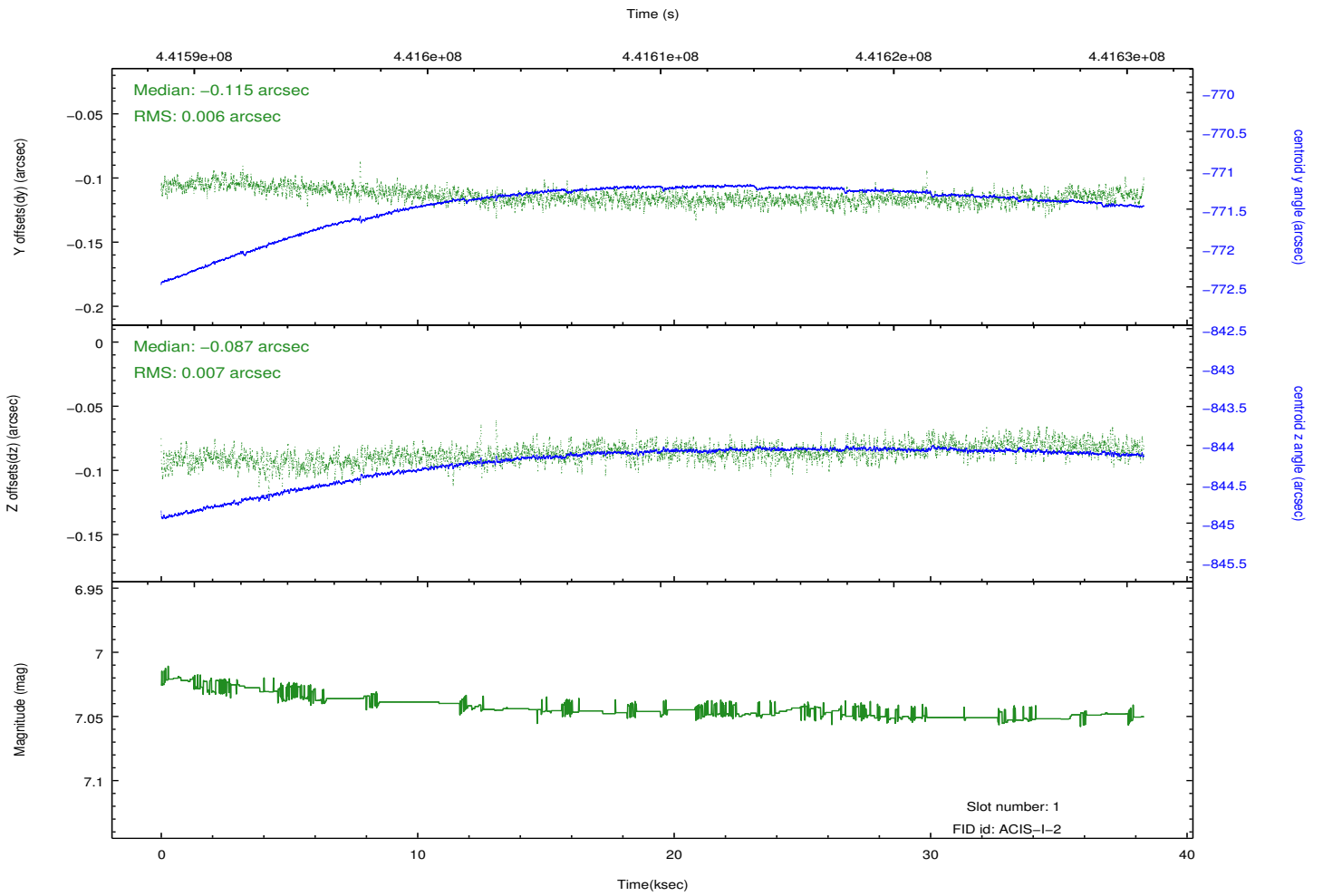
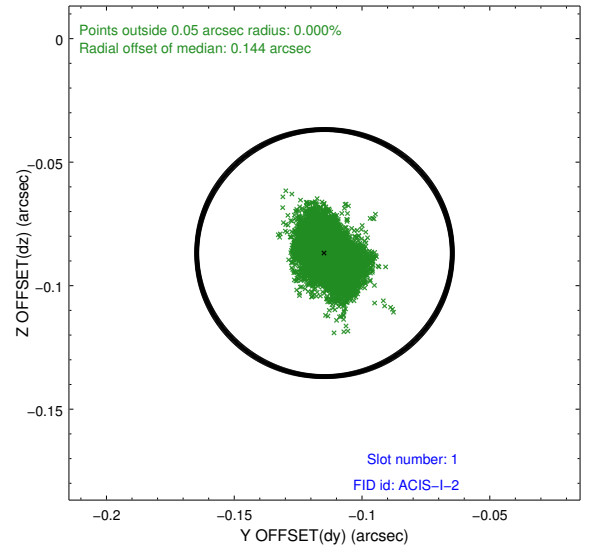
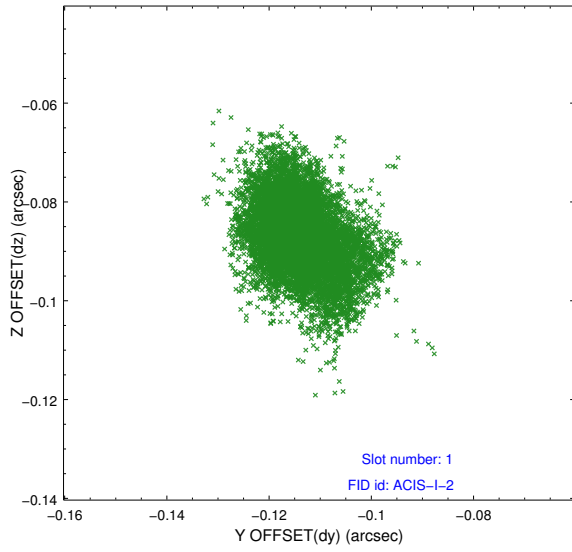


2.5 FID Slots

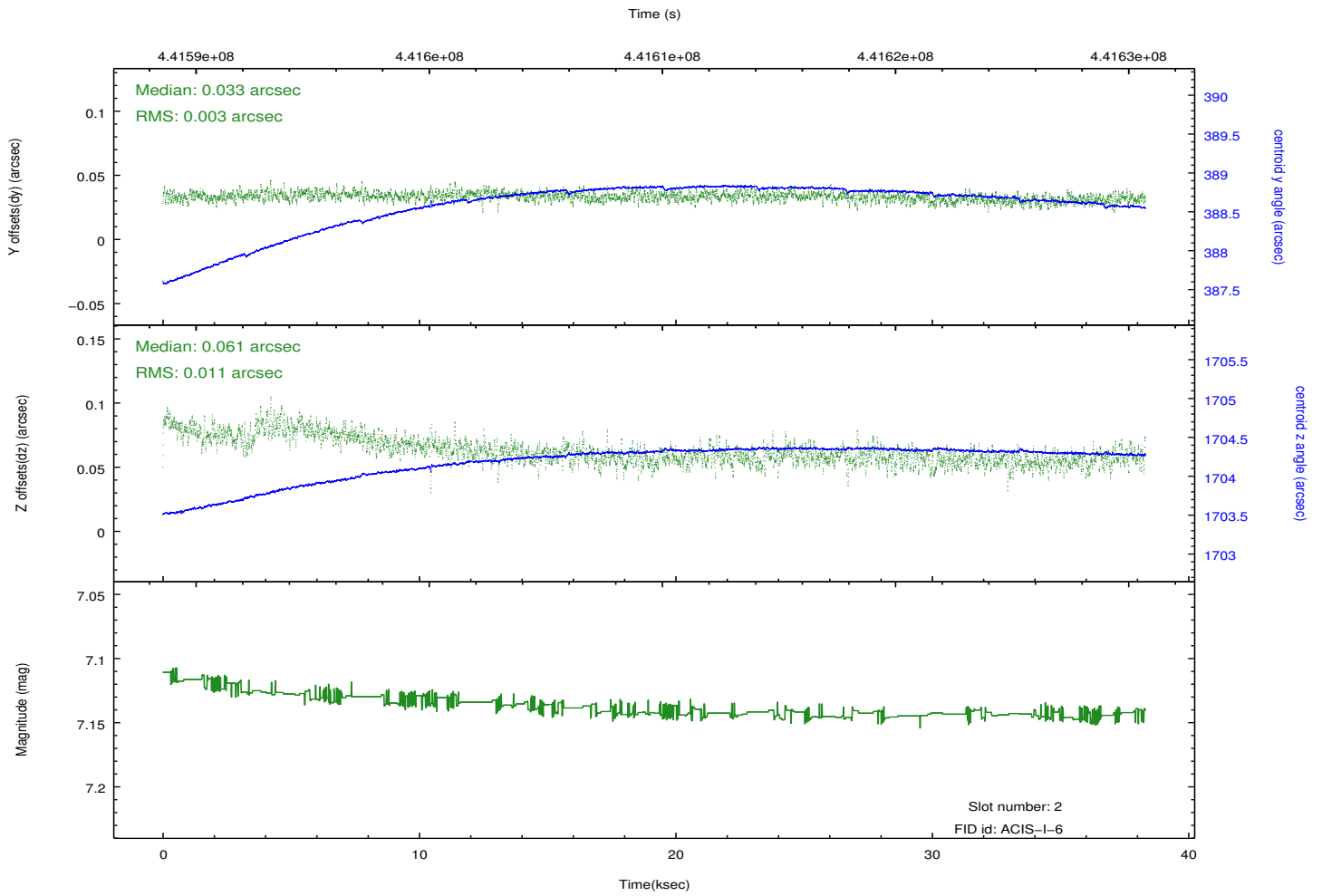
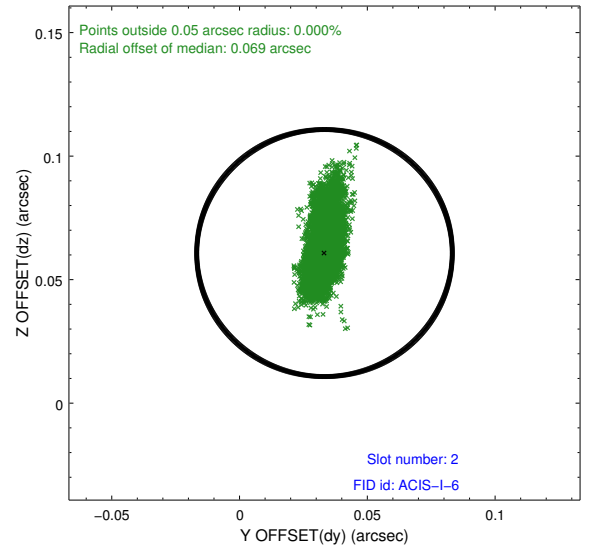
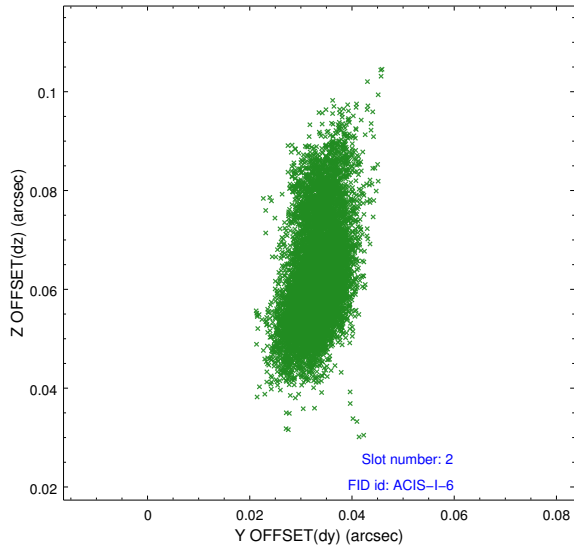
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.213659253716

A.2 Comments