

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11617 - L2 Version 2
Chandra X-Ray Center

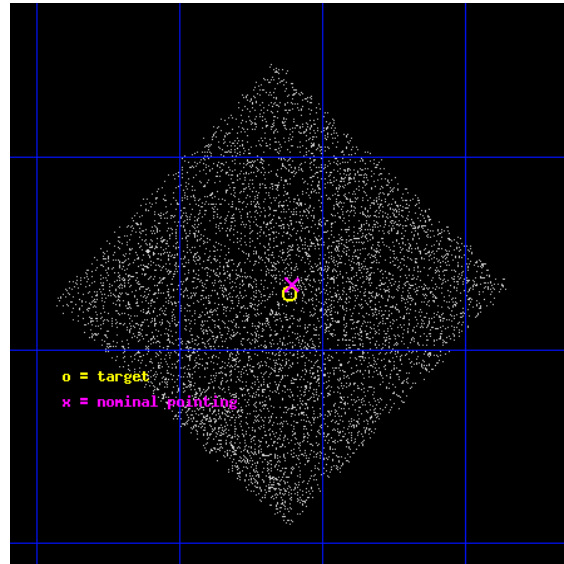
L2 Processing Date : Jun 19 2012

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1 Front

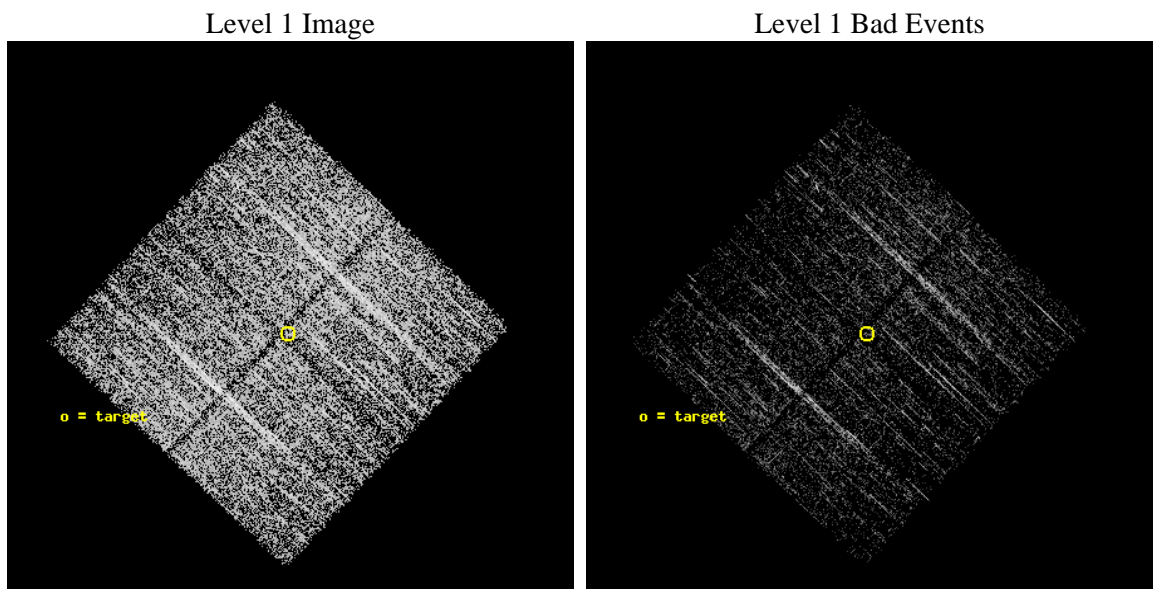
seq_num	702203	Sequence number
obs_id	11617	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1610	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.403333	Observer's specified target RA [deg]
dec_targ	-5.118167	Observer's specified target Dec [deg]
ra_nom	148.40174287787	Nominal RA [deg]
dec_nom	-5.1104379637468	Nominal Dec [deg]
roll_nom	43.318796208002	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2622.6000201702	Sum of GTIs [s]
livetime	2588.3338201766	Livetime [s]
ontime0	2622.6000201702	Sum of GTIs [s]
ontime1	2622.6000201702	Sum of GTIs [s]
ontime2	2622.6000201702	Sum of GTIs [s]
ontime3	2622.6000201702	Sum of GTIs [s]
l2events	7724	Number of level 2 events



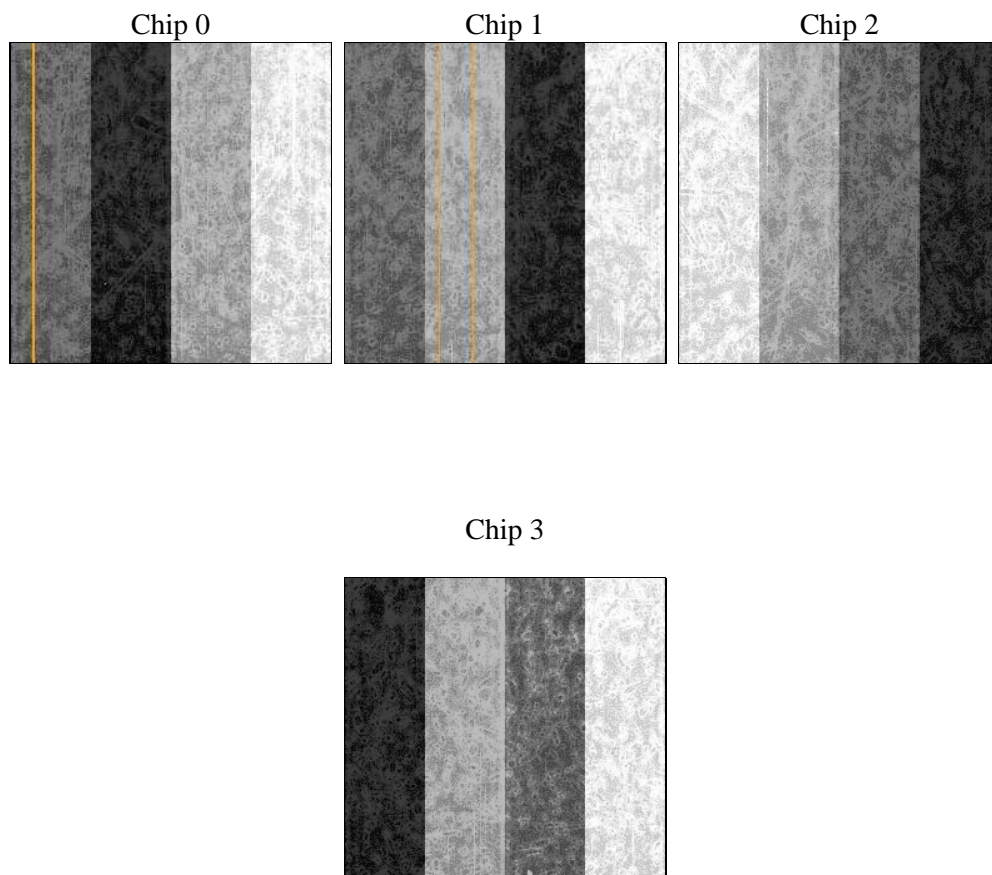
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2622.6000201702	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	2622.6000201702	Sum of GTIs [s]
date	2012-06-19T22:34:00	Date and time of file creation	ontime1	2622.6000201702	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2622.6000201702	Sum of GTIs [s]
			ontime3	2622.6000201702	Sum of GTIs [s]
			l1events	102761	Number of level 1 events

2.1.4 Events

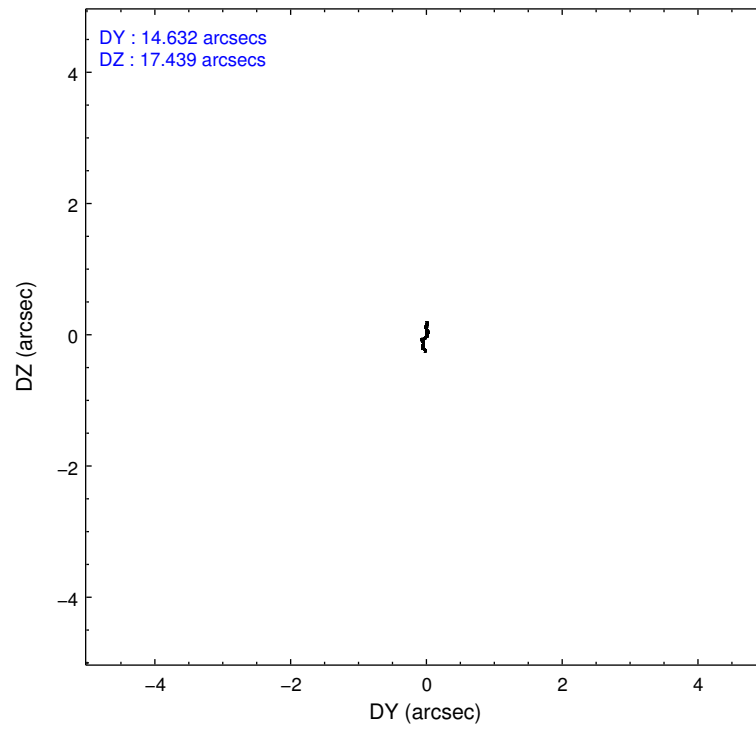
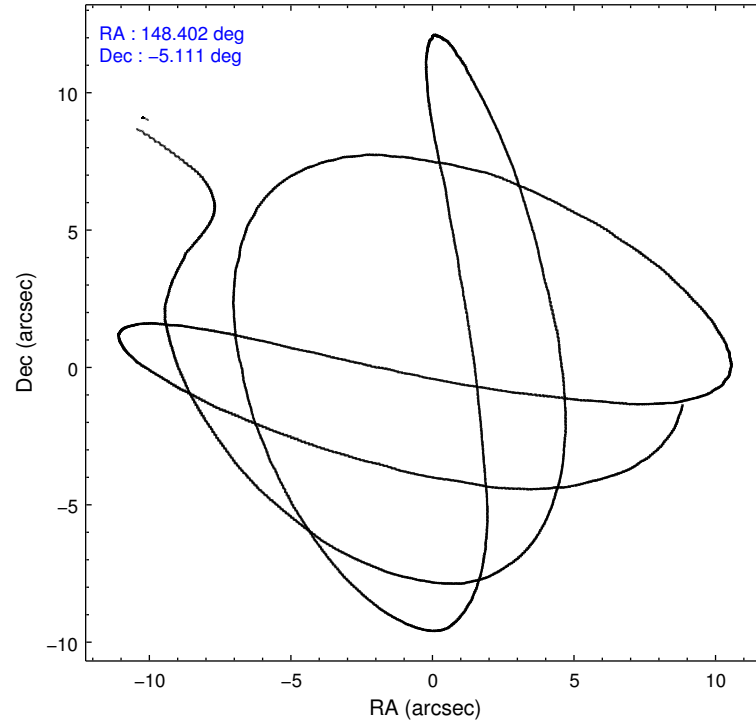
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24630	24932	26472	26727
rejected events	22275	22229	24258	24570
rejected %	90%	89%	91%	91%

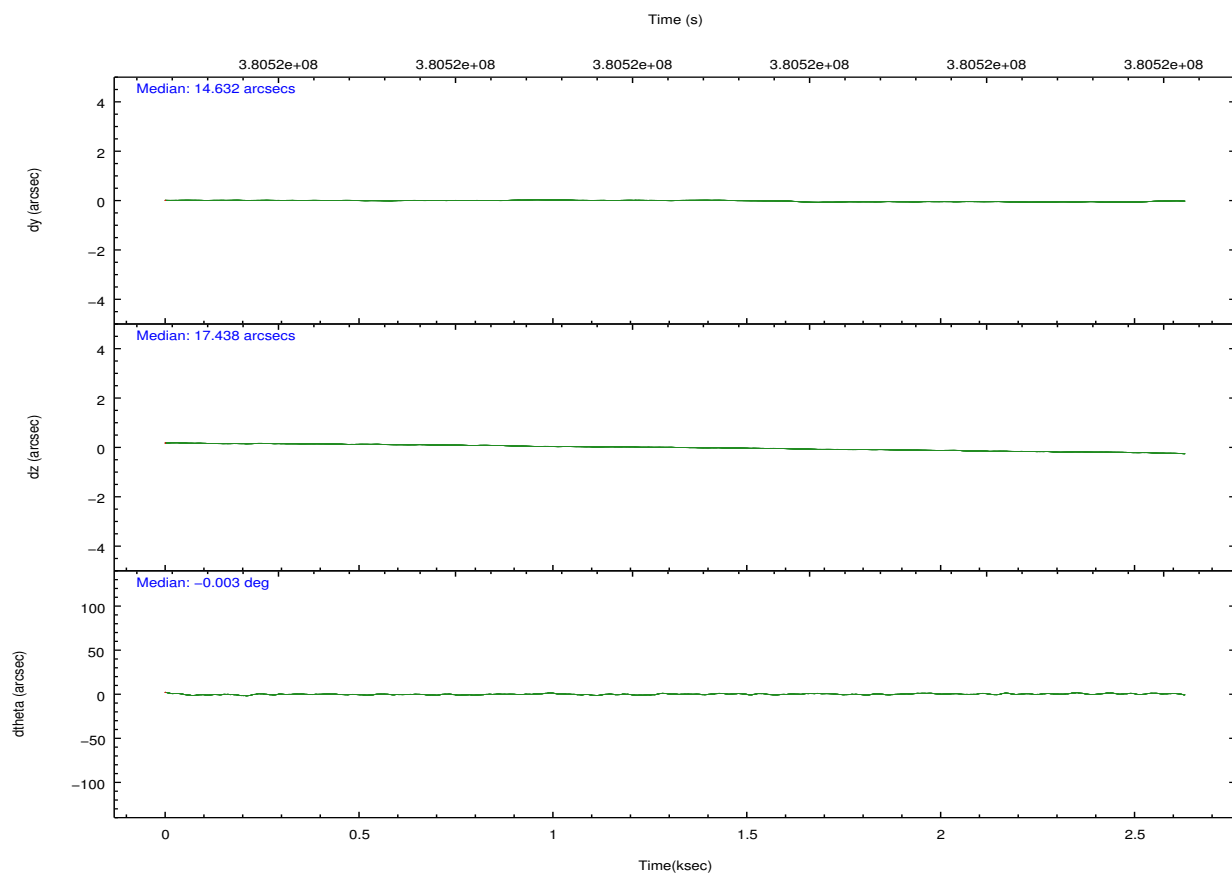
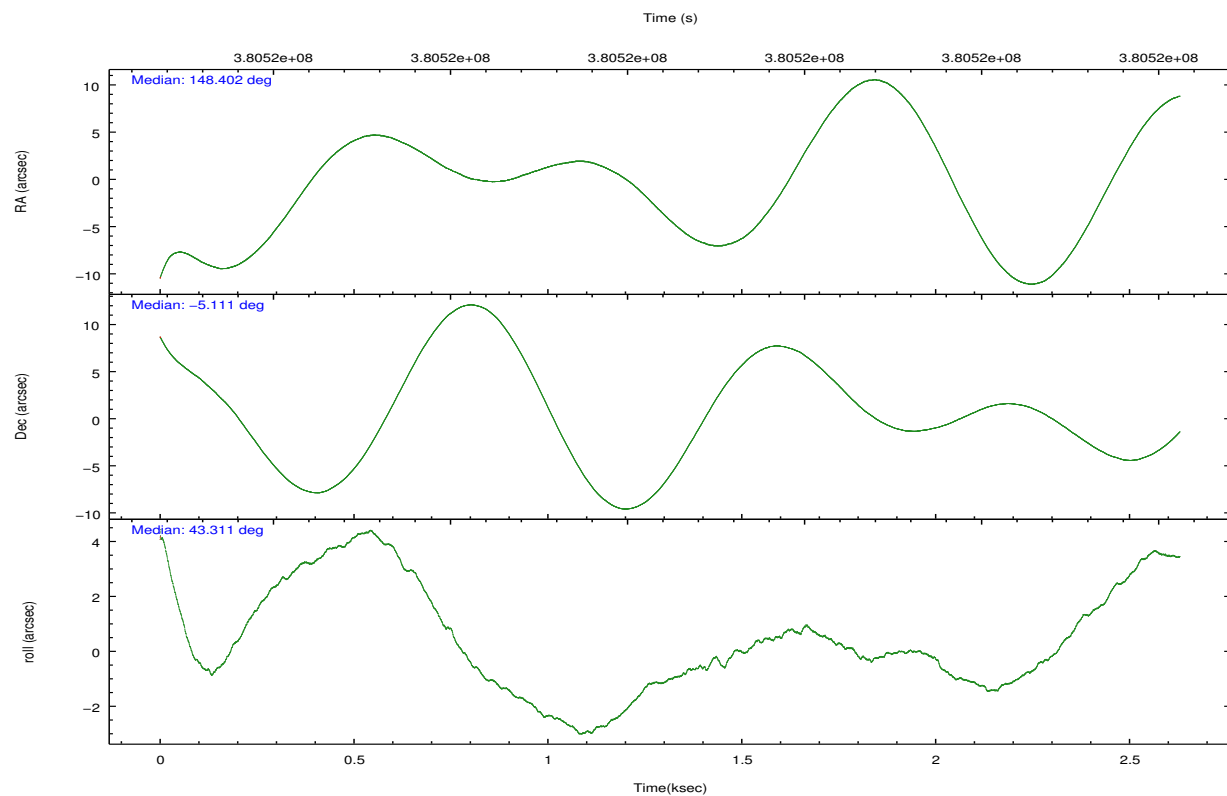
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	976	1145	920	887
	3%	4%	3%	3%
grade 1 events	10	15	17	8
	0%	0%	0%	0%
grade 2 events	691	739	698	524
	2%	2%	2%	1%
grade 3 events	313	333	257	329
	1%	1%	0%	1%
grade 4 events	292	299	300	292
	1%	1%	1%	1%
grade 5 events	1029	1038	970	1112
	4%	4%	3%	4%
grade 6 events	523	688	487	550
	2%	2%	1%	2%
grade 7 events	20796	20675	22823	23025
	84%	82%	86%	86%

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	148.394199	148.4017428778658	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.136730	-5.110437963746774	Alternating exposures requested	N	N
[deg] Pointing Roll	43.109416	43.3187962080017	[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)	380515939.184000	380514790.11644			
Observation start date	2010-01-22T02:51:13	2010-01-22T02:33:10			
[s] Observation end time (MET)	380518439.184000	380518572.87913			
Observation end date	2010-01-22T03:32:53	2010-01-22T03:36:12			
Read mode	TIMED	TIMED			

2.3 Aspect



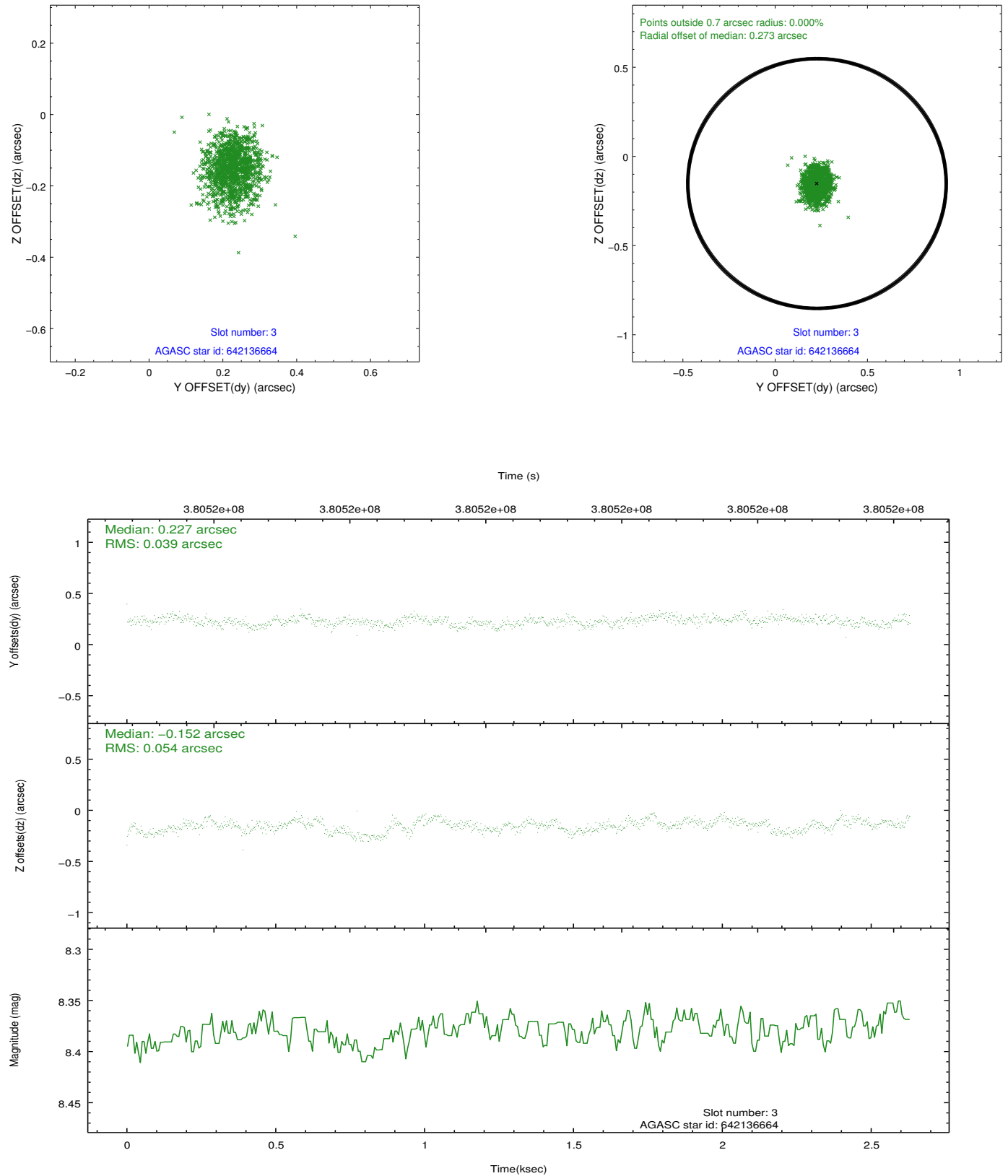


Slot Statistics

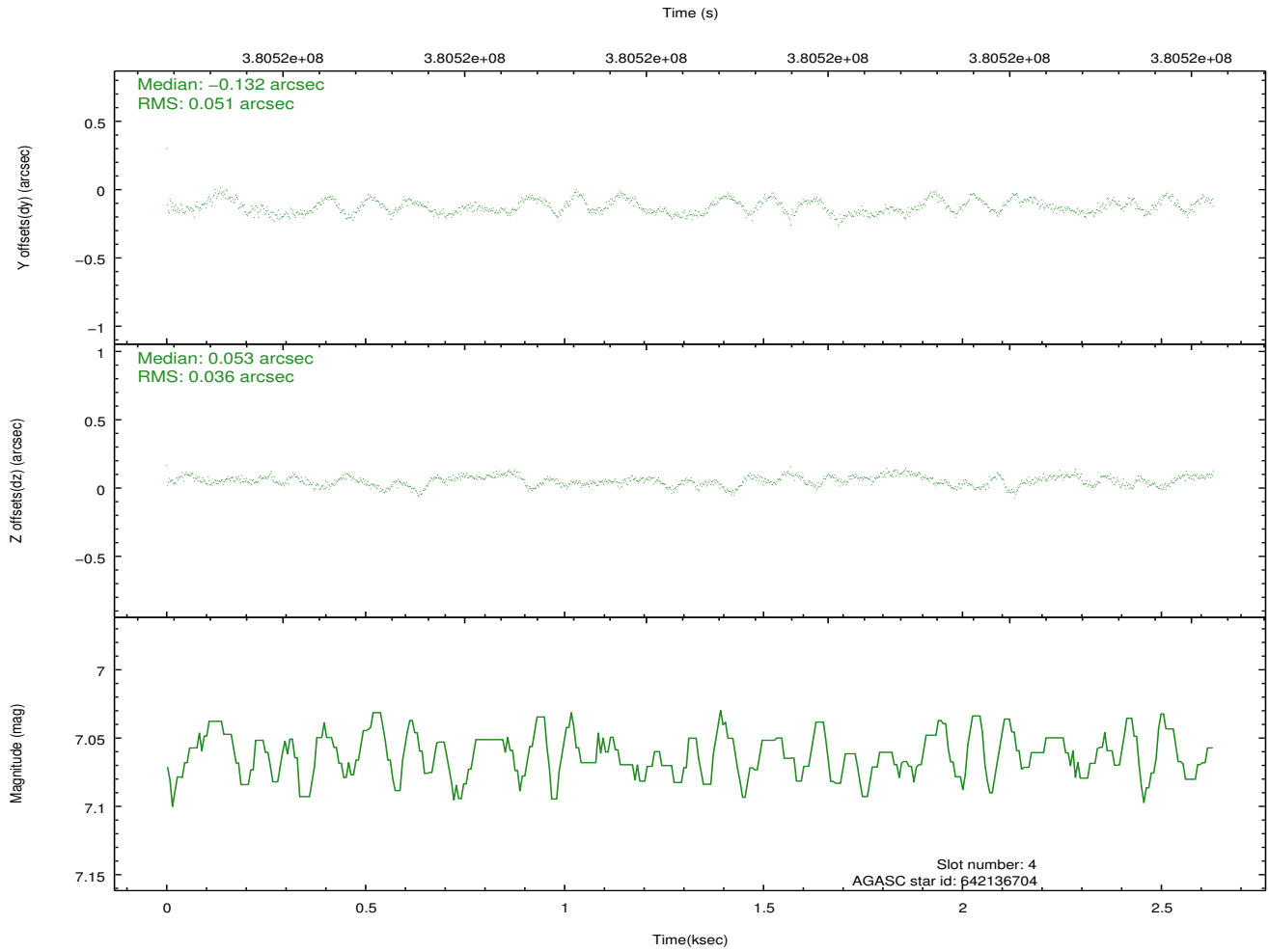
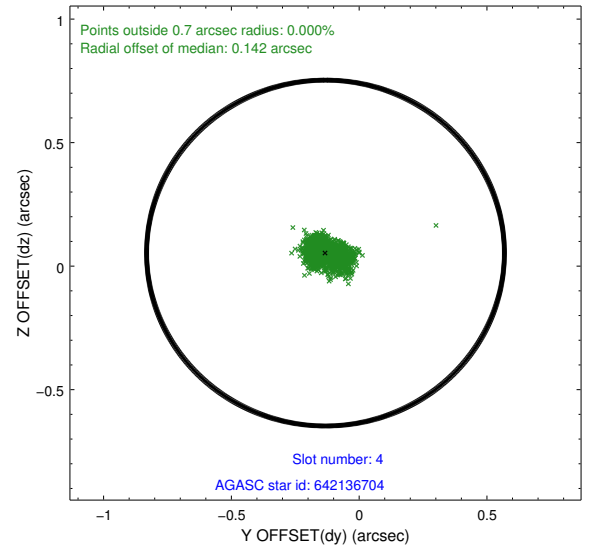
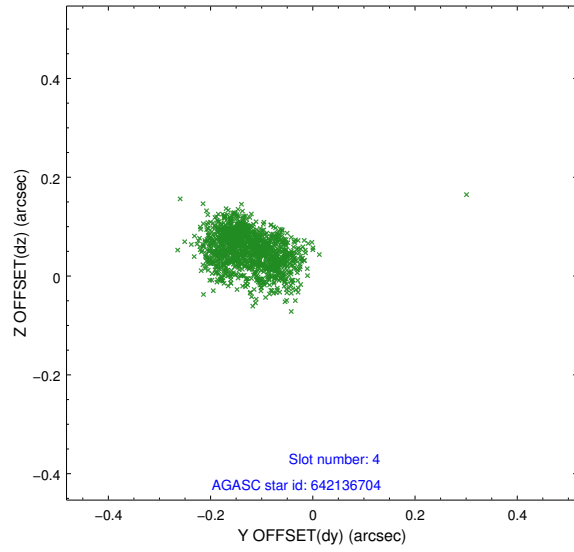
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	642	-0.009	-0.078	0.009	0.015	0.000000	0.000000	924.86	-841.15
1	FID	ACIS-I-4	6.94	642	0.123	0.082	0.008	0.013	0.000000	0.000000	2146.36	1057.60
2	FID	ACIS-I-5	6.99	642	-0.212	0.067	0.007	0.013	0.000000	0.000000	-1820.23	1058.16
3	GUIDE	642136664	8.38	1284	0.227	-0.152	0.071	0.114	147.866202	-4.972417	-978.04	1724.69
4	GUIDE	642136704	7.06	1284	-0.132	0.053	0.067	0.103	148.904130	-4.976239	1729.76	-827.55
5	GUIDE	642526976	9.07	1282	0.263	0.068	0.102	0.156	148.687115	-5.542879	-230.31	-1785.82
6	GUIDE	642130912	7.95	1284	-0.164	-0.219	0.054	0.090	148.633475	-4.436114	2351.24	1252.69
7	GUIDE	642522984	8.69	1283	-0.187	0.259	0.089	0.158	149.320499	-5.182668	2313.13	-2391.02

2.4 Star Slots

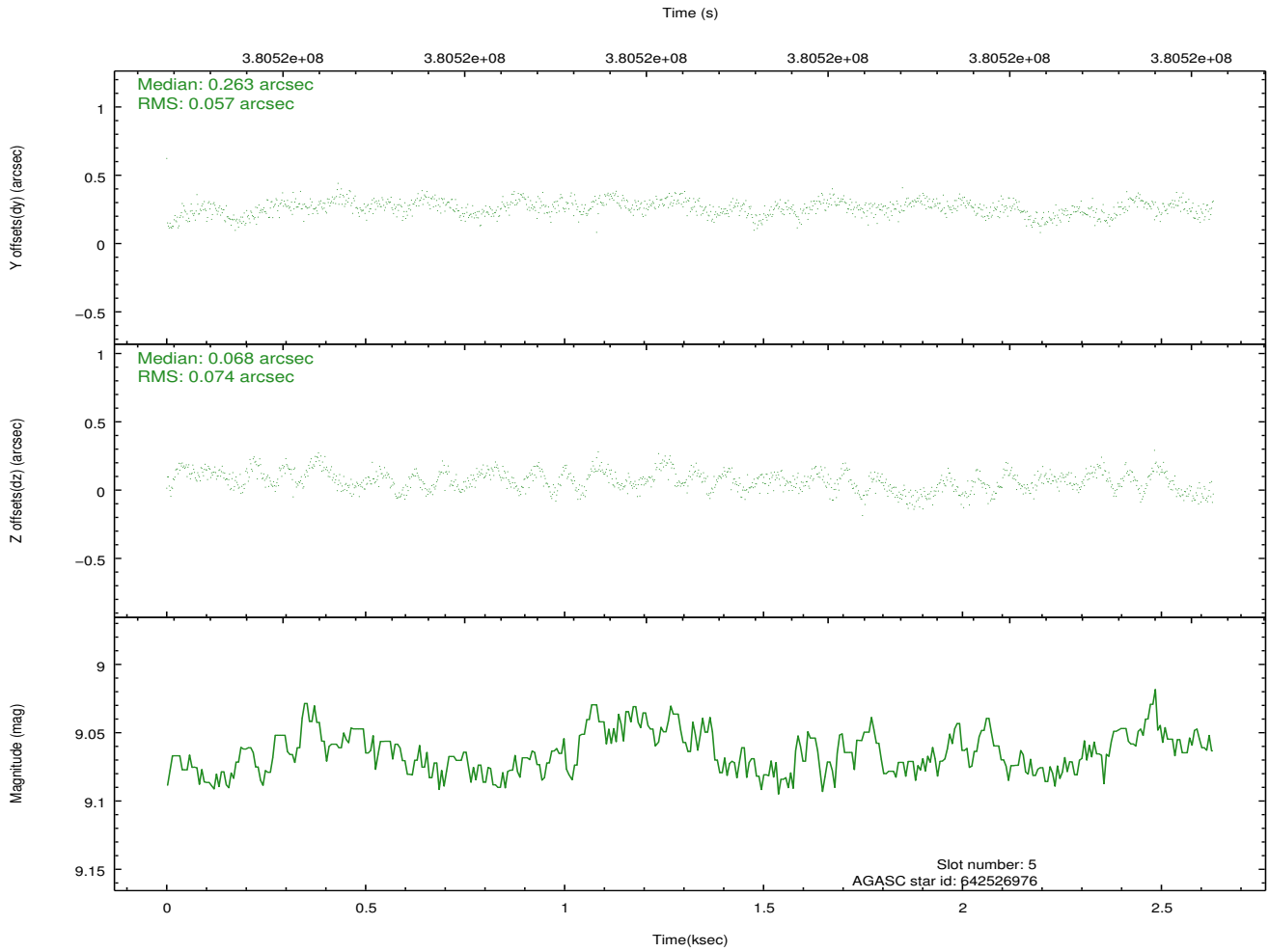
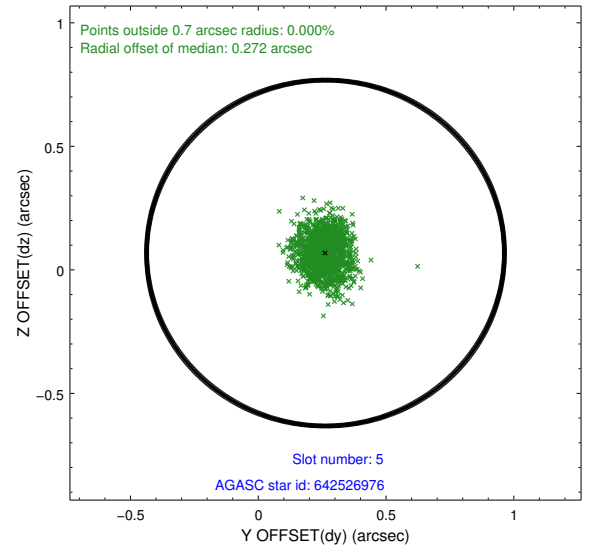
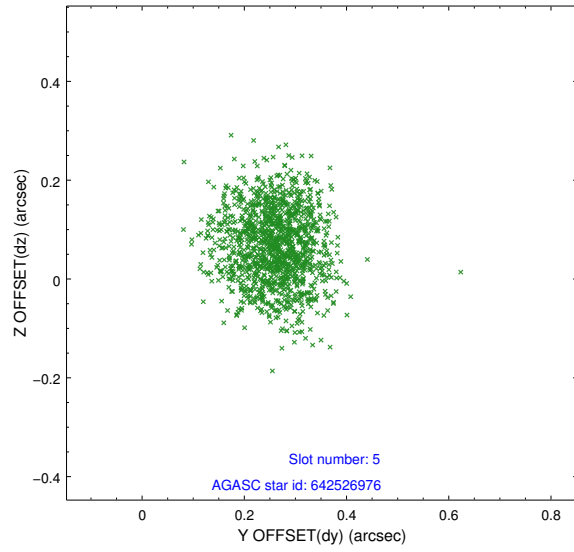
2.4.1 Slot 3



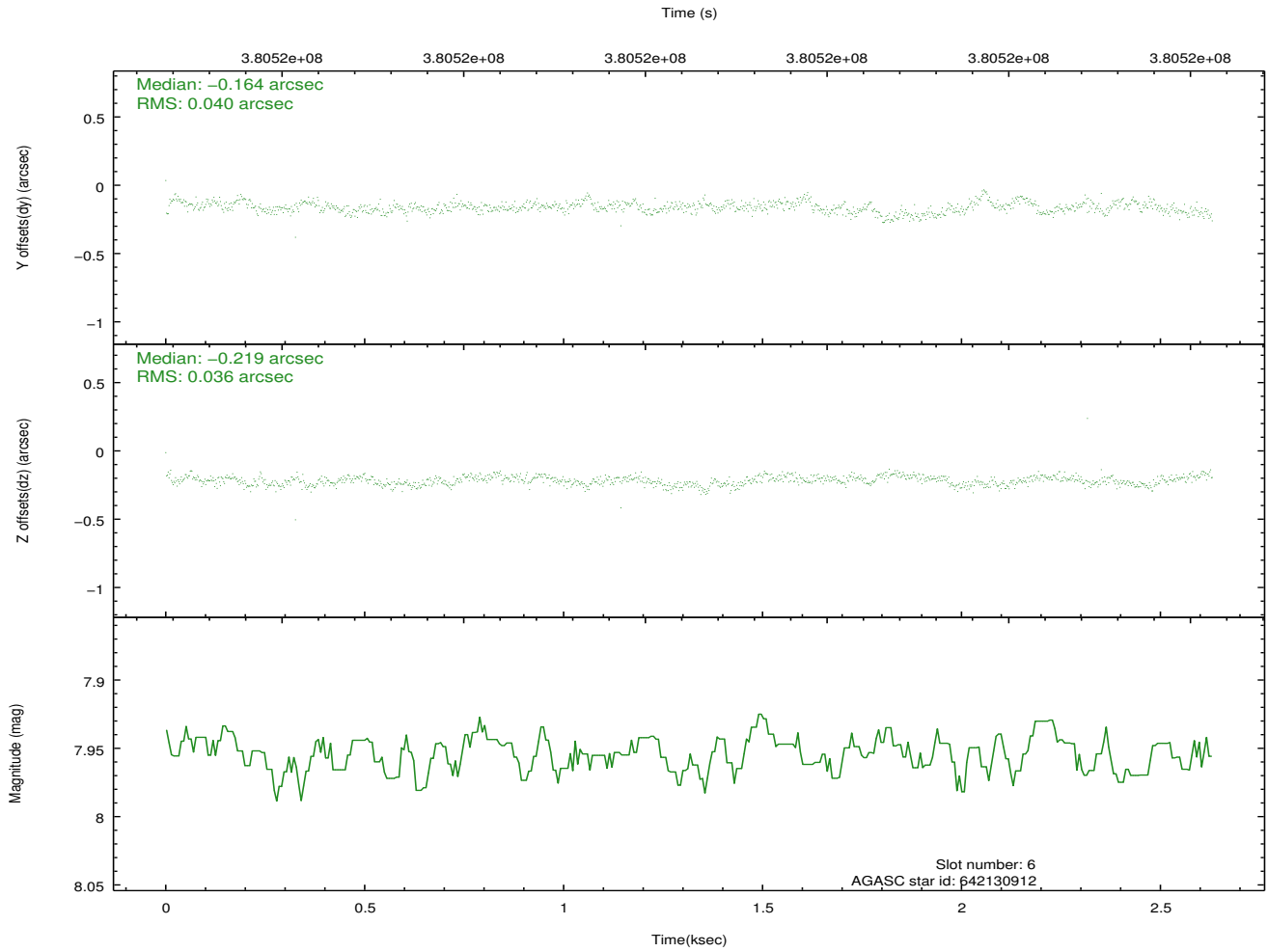
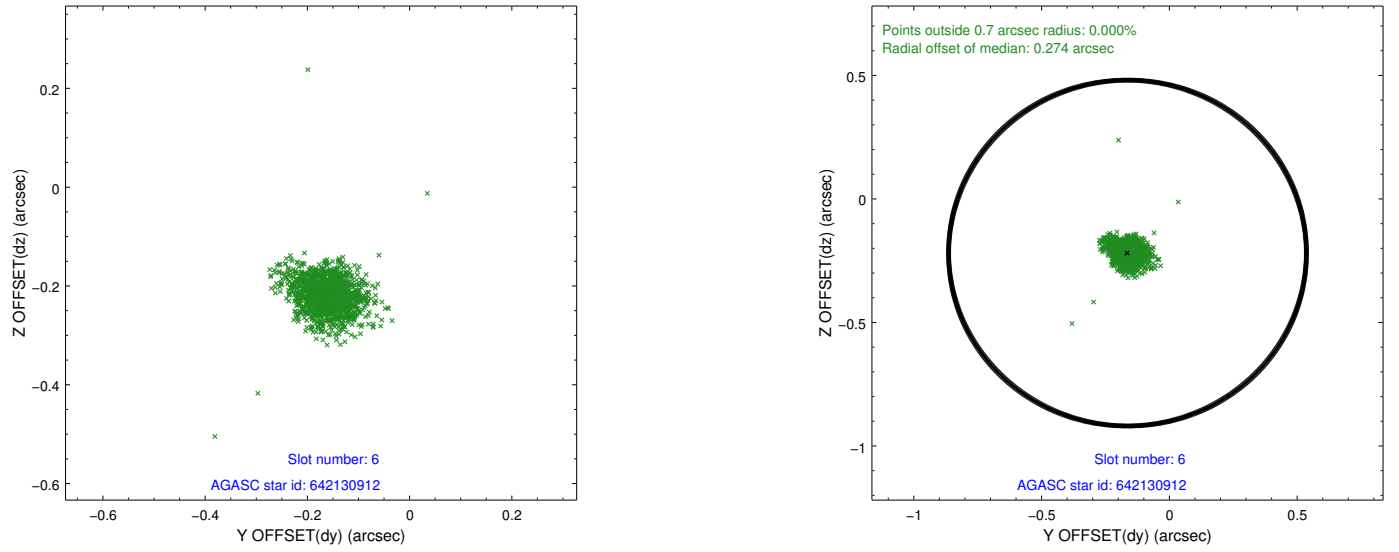
2.4.2 Slot 4



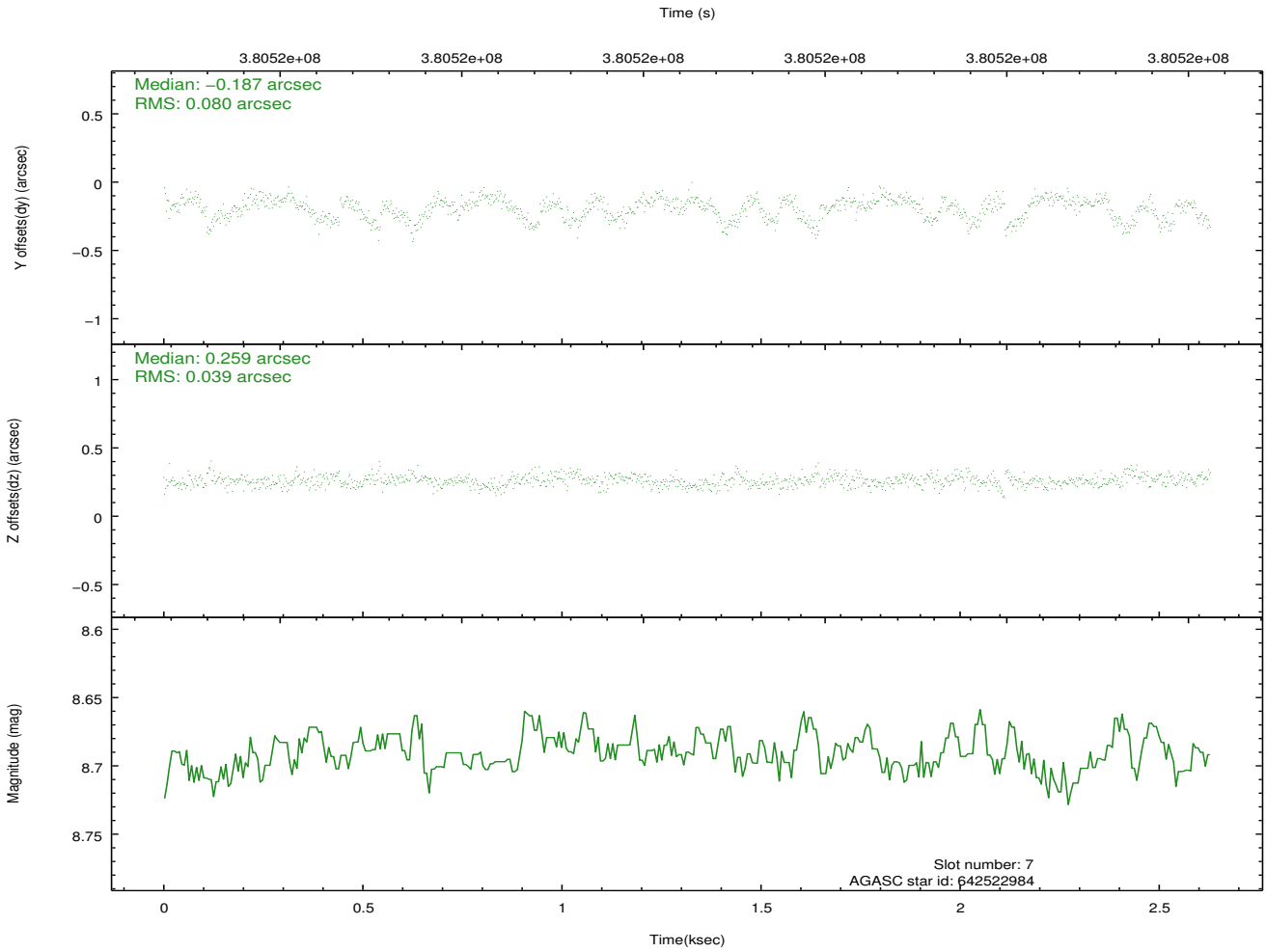
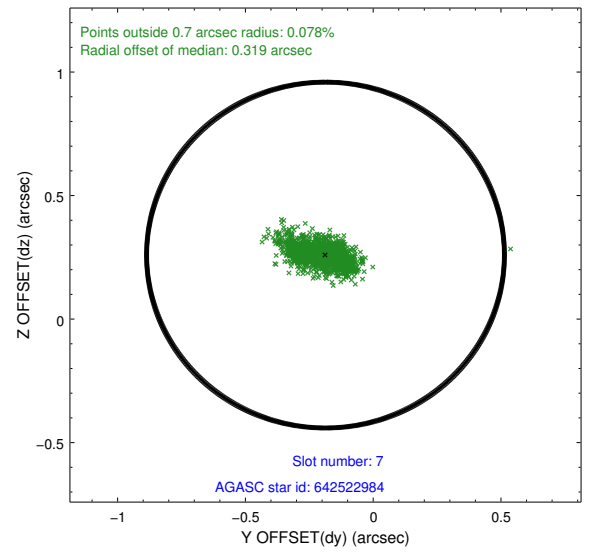
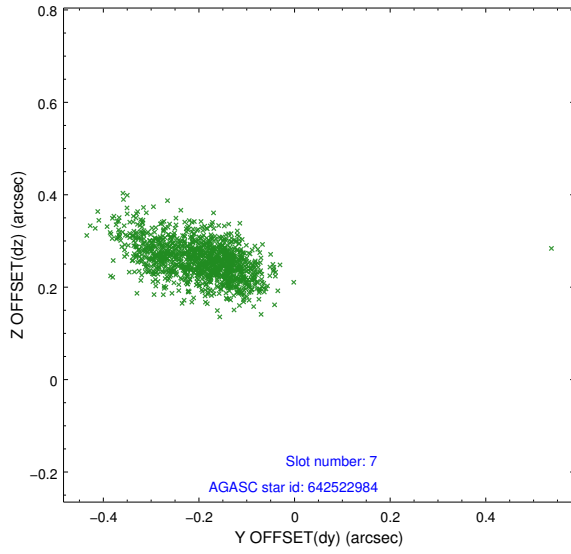
2.4.3 Slot 5



2.4.4 Slot 6

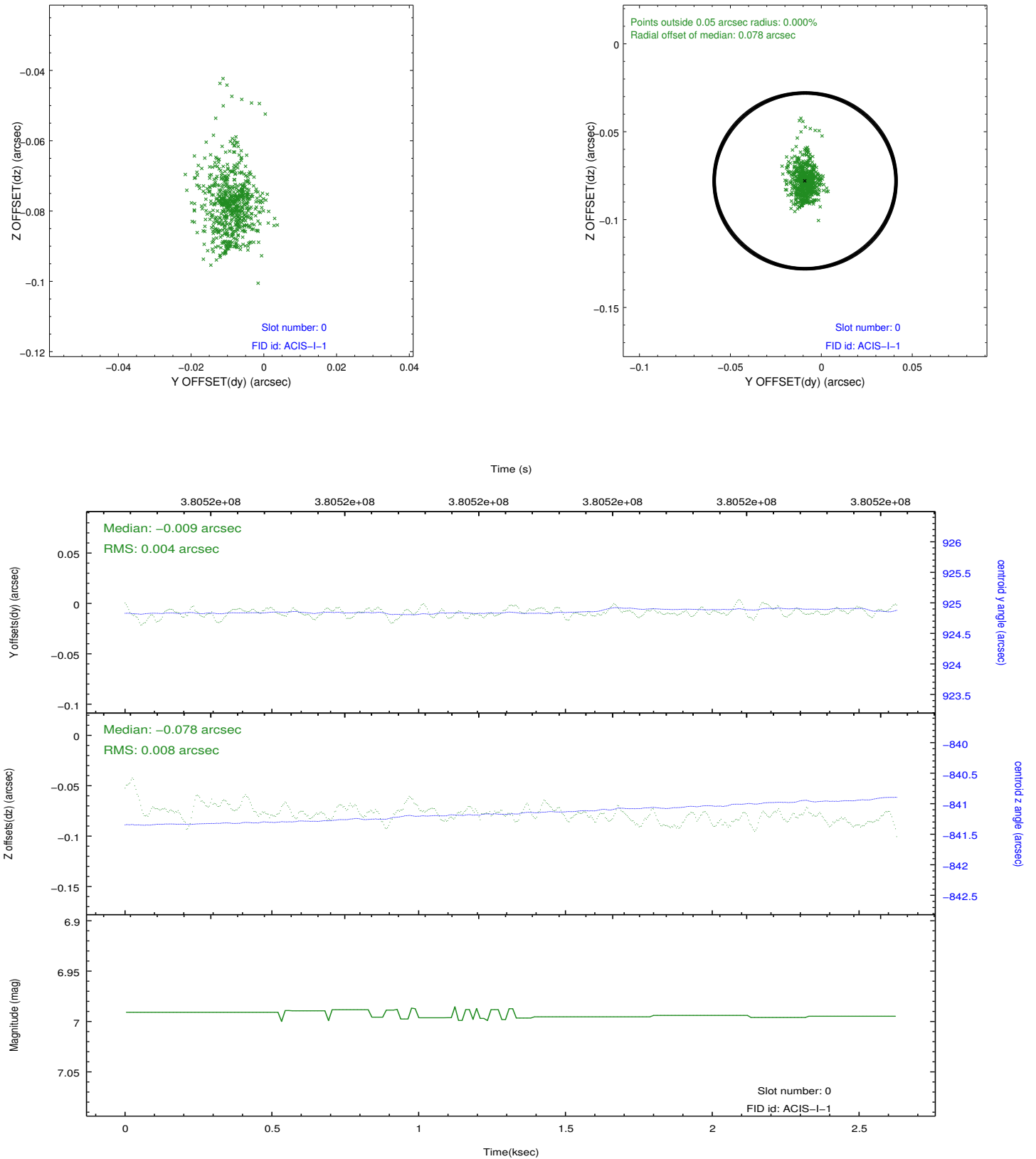


2.4.5 Slot 7

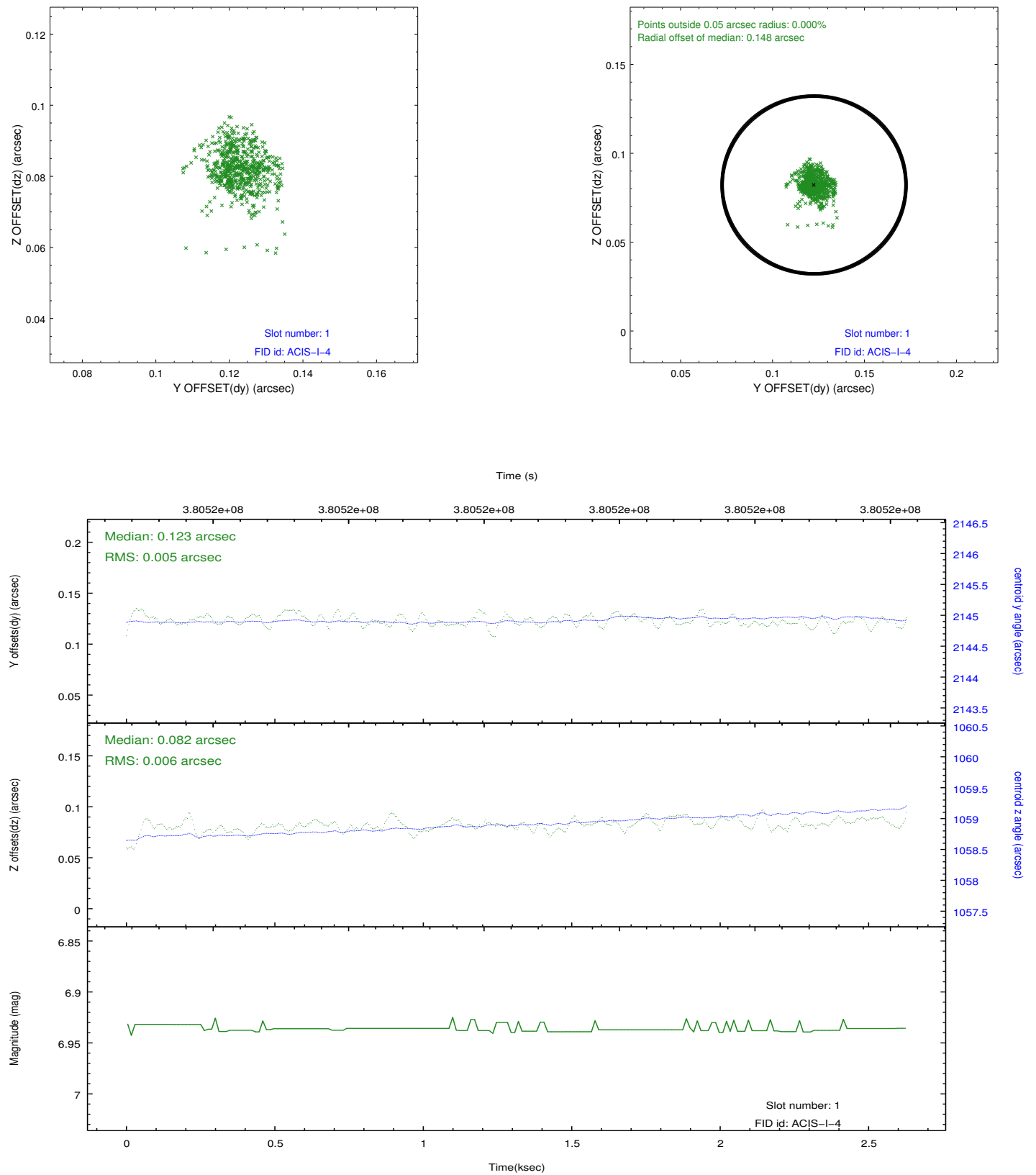


2.5 FID Slots

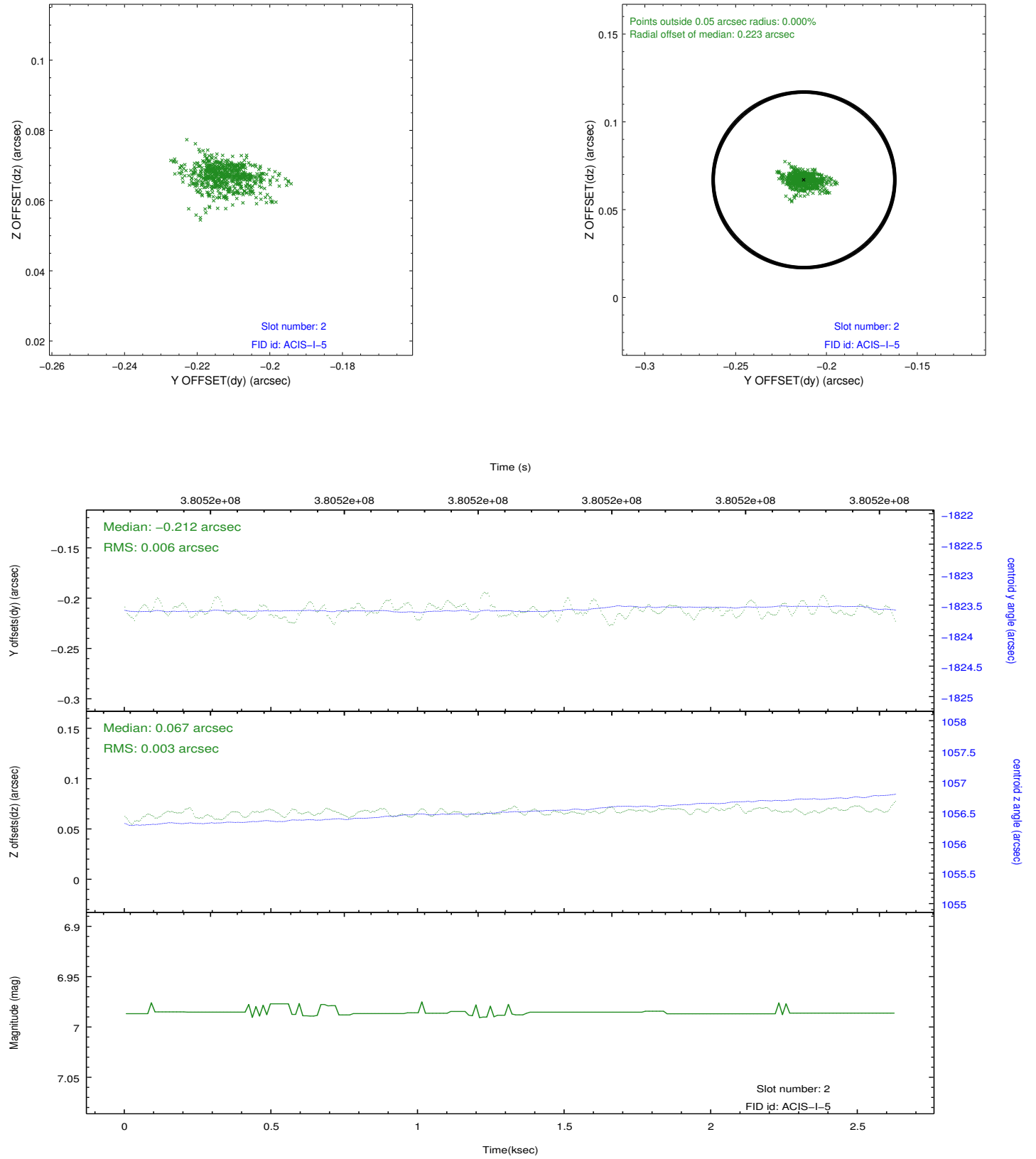
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.6226000201702

A.2 Comments