

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11619 - L2 Version 2
Chandra X-Ray Center

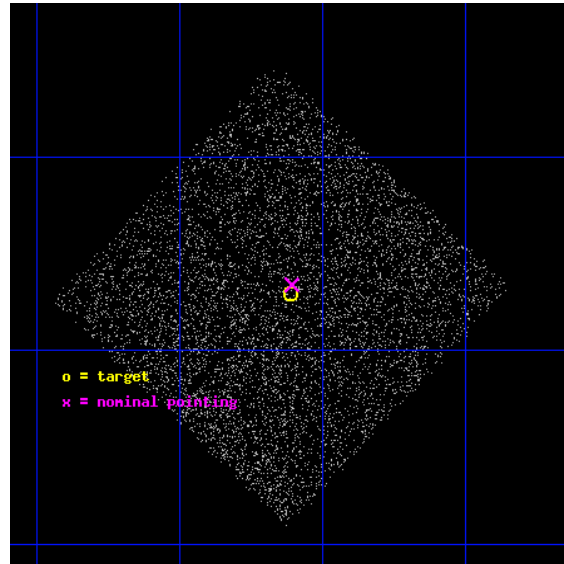
L2 Processing Date : Jun 19 2012

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1 Front

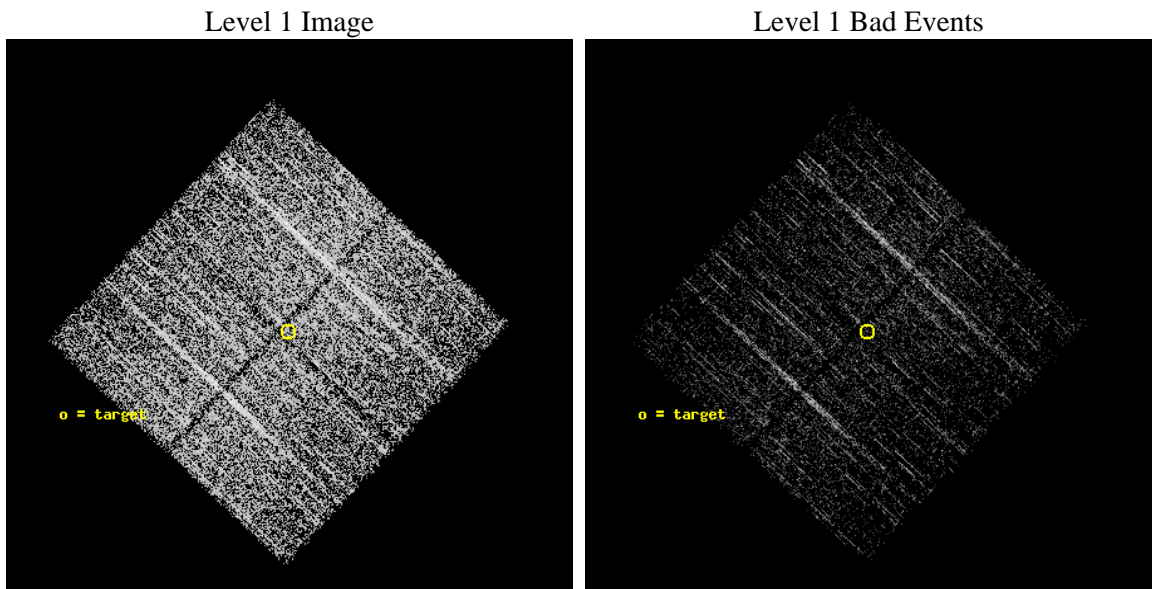
seq_num	702205	Sequence number
obs_id	11619	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1610	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.403333	Observer's specified target RA [deg]
dec_targ	-5.118167	Observer's specified target Dec [deg]
ra_nom	148.40203665201	Nominal RA [deg]
dec_nom	-5.1103325668519	Nominal Dec [deg]
roll_nom	43.232677154642	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2470.700019002	Sum of GTIs [s]
livetime	2438.4185043508	Livetime [s]
ontime0	2470.700019002	Sum of GTIs [s]
ontime1	2470.700019002	Sum of GTIs [s]
ontime2	2467.5590286851	Sum of GTIs [s]
ontime3	2470.700019002	Sum of GTIs [s]
l2events	7346	Number of level 2 events



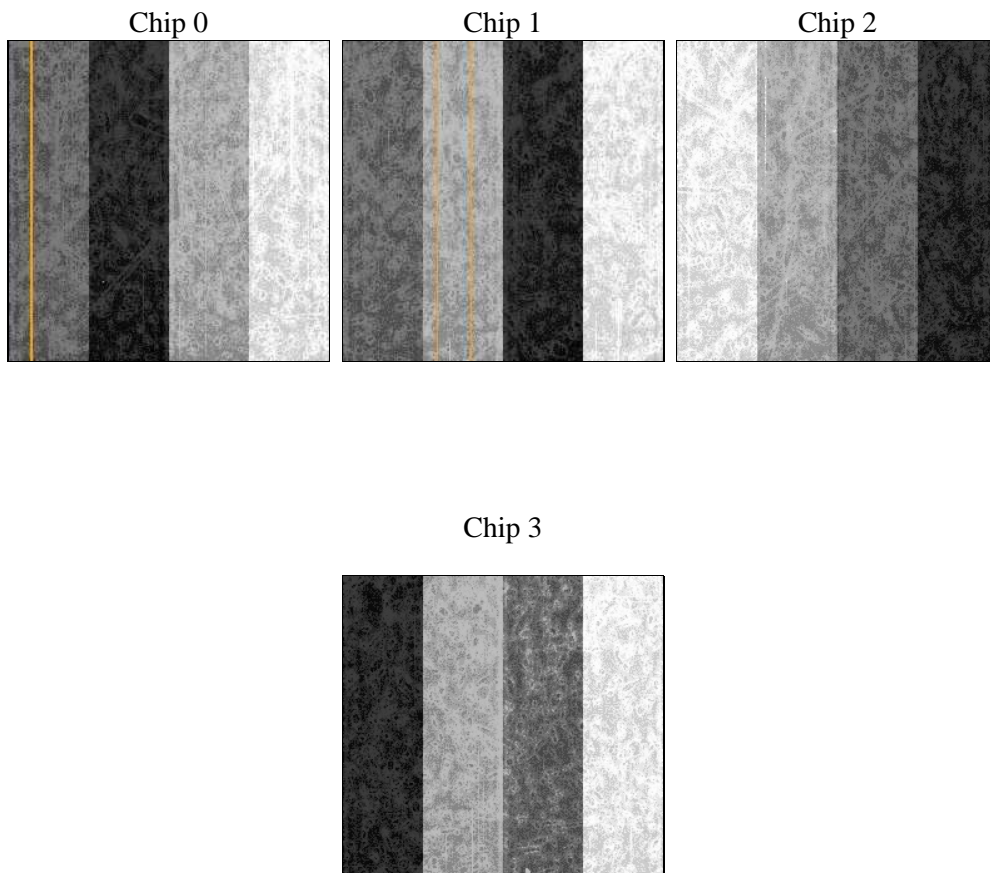
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2470.700019002	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	2470.700019002	Sum of GTIs [s]
date	2012-06-19T22:59:24	Date and time of file creation	ontime1	2470.700019002	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2467.5590286851	Sum of GTIs [s]
			ontime3	2470.700019002	Sum of GTIs [s]
			l1events	80148	Number of level 1 events

2.1.4 Events

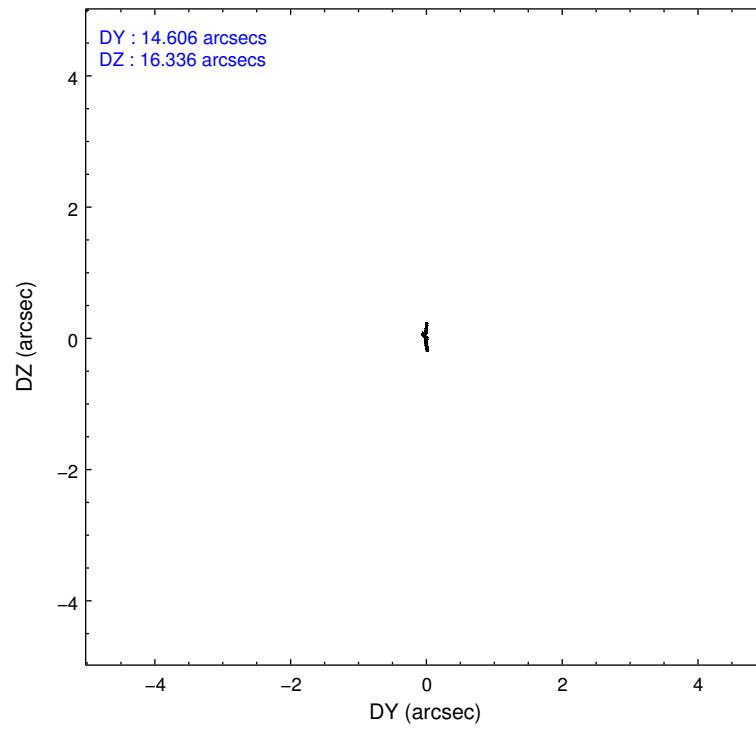
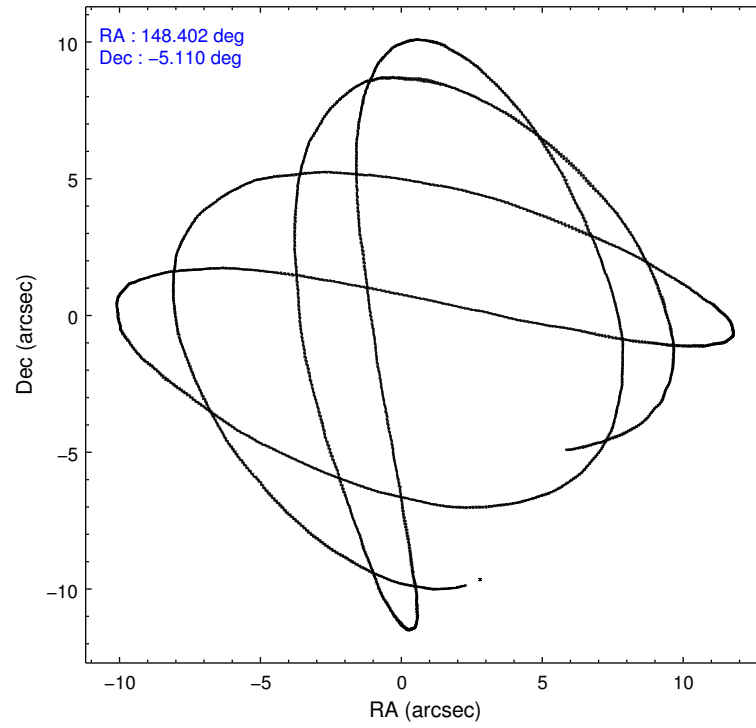
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	19611	19053	22119	19365
rejected events	17397	16615	19945	17349
rejected %	88%	87%	90%	89%

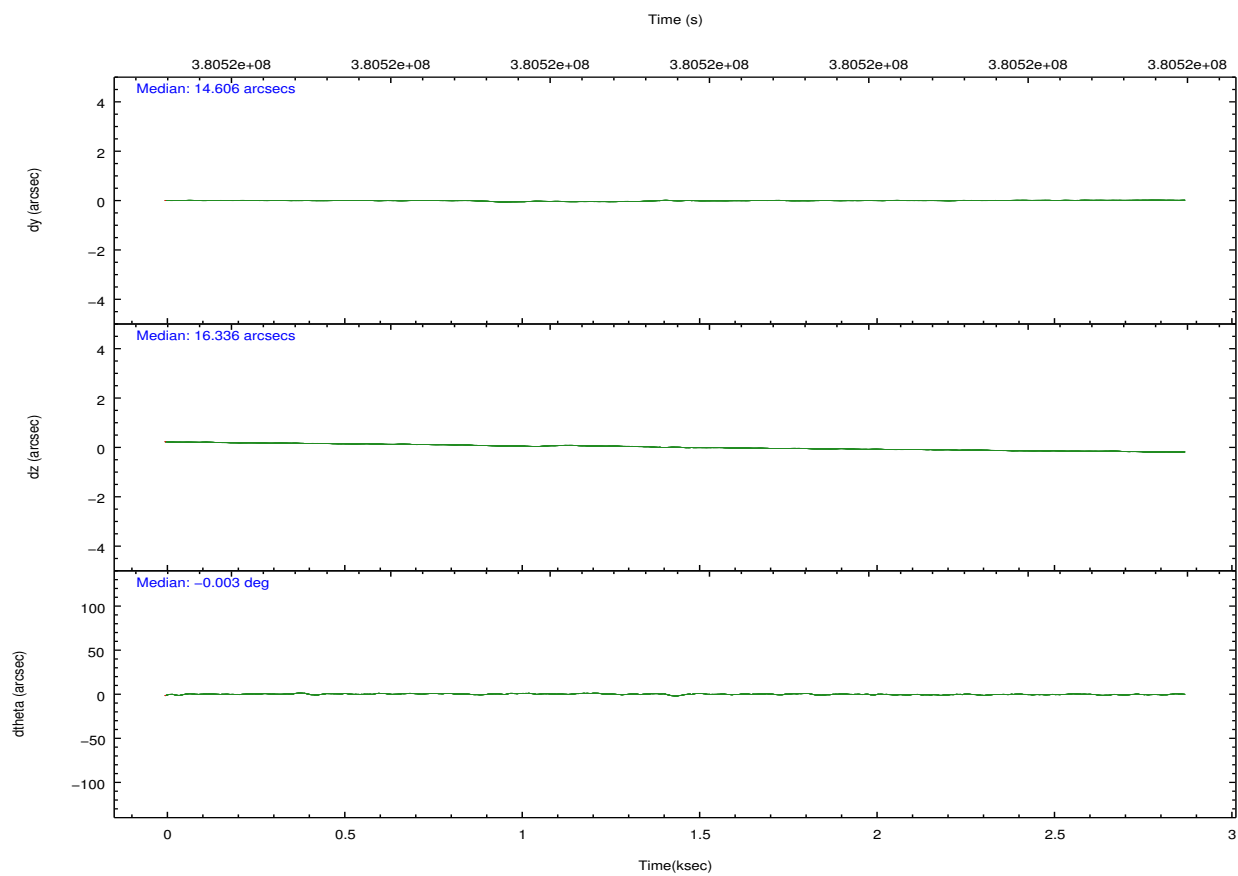
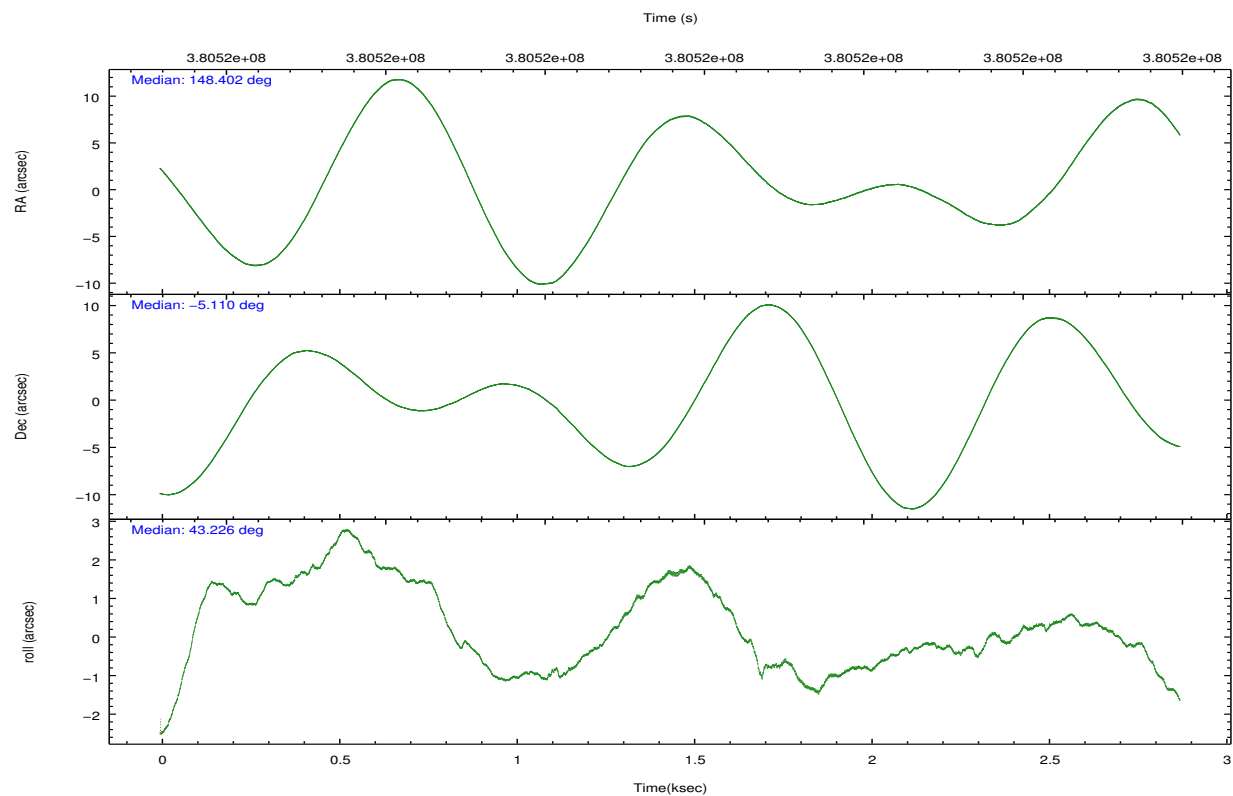
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	767	902	763	699
	3%	4%	3%	3%
grade 1 events	15	9	11	6
	0%	0%	0%	0%
grade 2 events	550	571	513	460
	2%	2%	2%	2%
grade 3 events	248	242	217	220
	1%	1%	0%	1%
grade 4 events	231	241	251	227
	1%	1%	1%	1%
grade 5 events	794	876	780	966
	4%	4%	3%	4%
grade 6 events	428	486	438	416
	2%	2%	1%	2%
grade 7 events	16578	15726	19146	16371
	84%	82%	86%	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	148.394171	148.4020366520112	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.136721	-5.110332566851919	Alternating exposures requested	N	N
[deg] Pointing Roll	43.023265	43.2326771546418	[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)	380522139.184000	380521763.1918			
Observation start date	2010-01-22T04:34:33	2010-01-22T04:29:23			
[s] Observation end time (MET)	380524819.184000	380524953.50446			
Observation end date	2010-01-22T05:19:13	2010-01-22T05:22:33			
Read mode	TIMED	TIMED			

2.3 Aspect



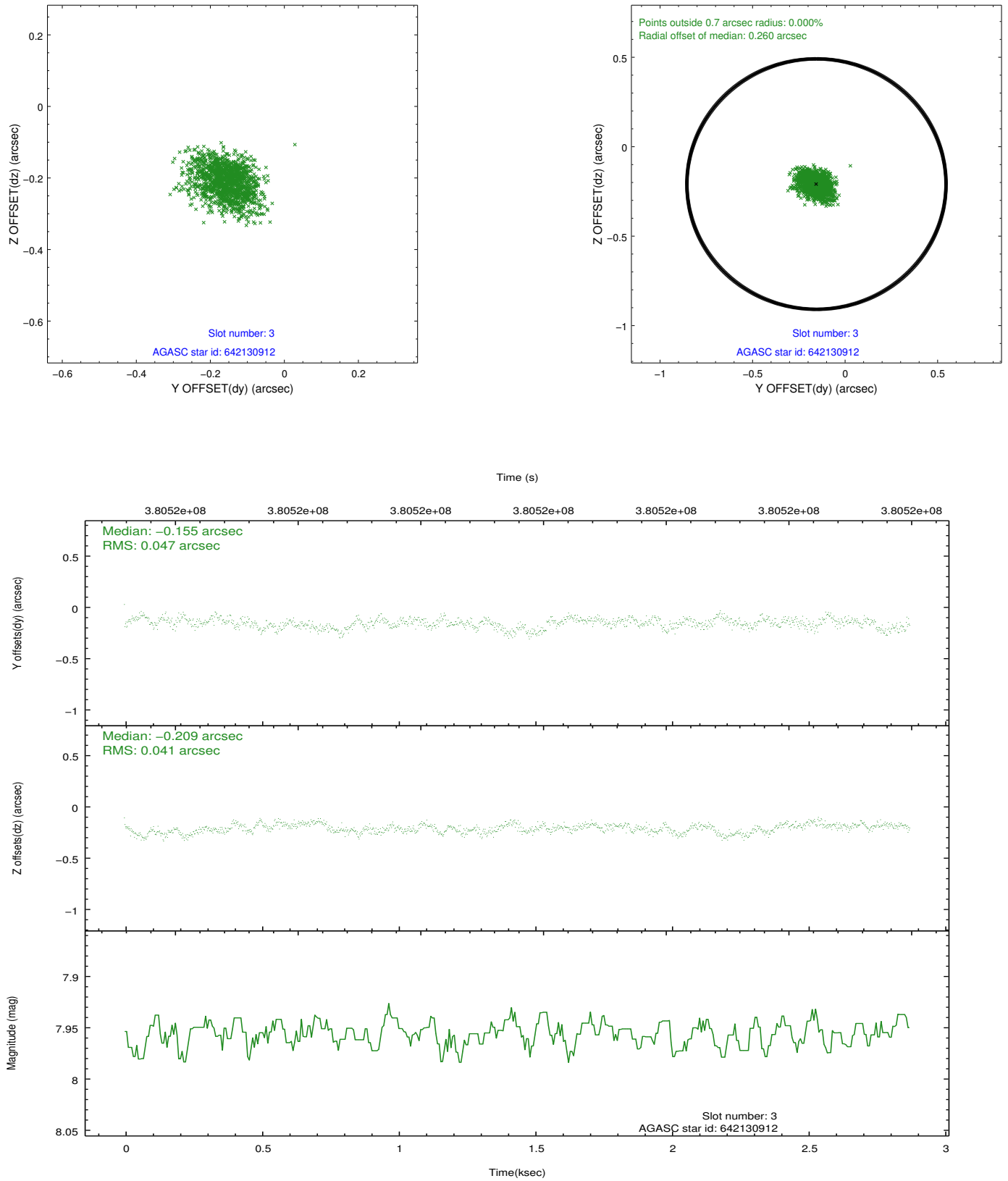


Slot Statistics

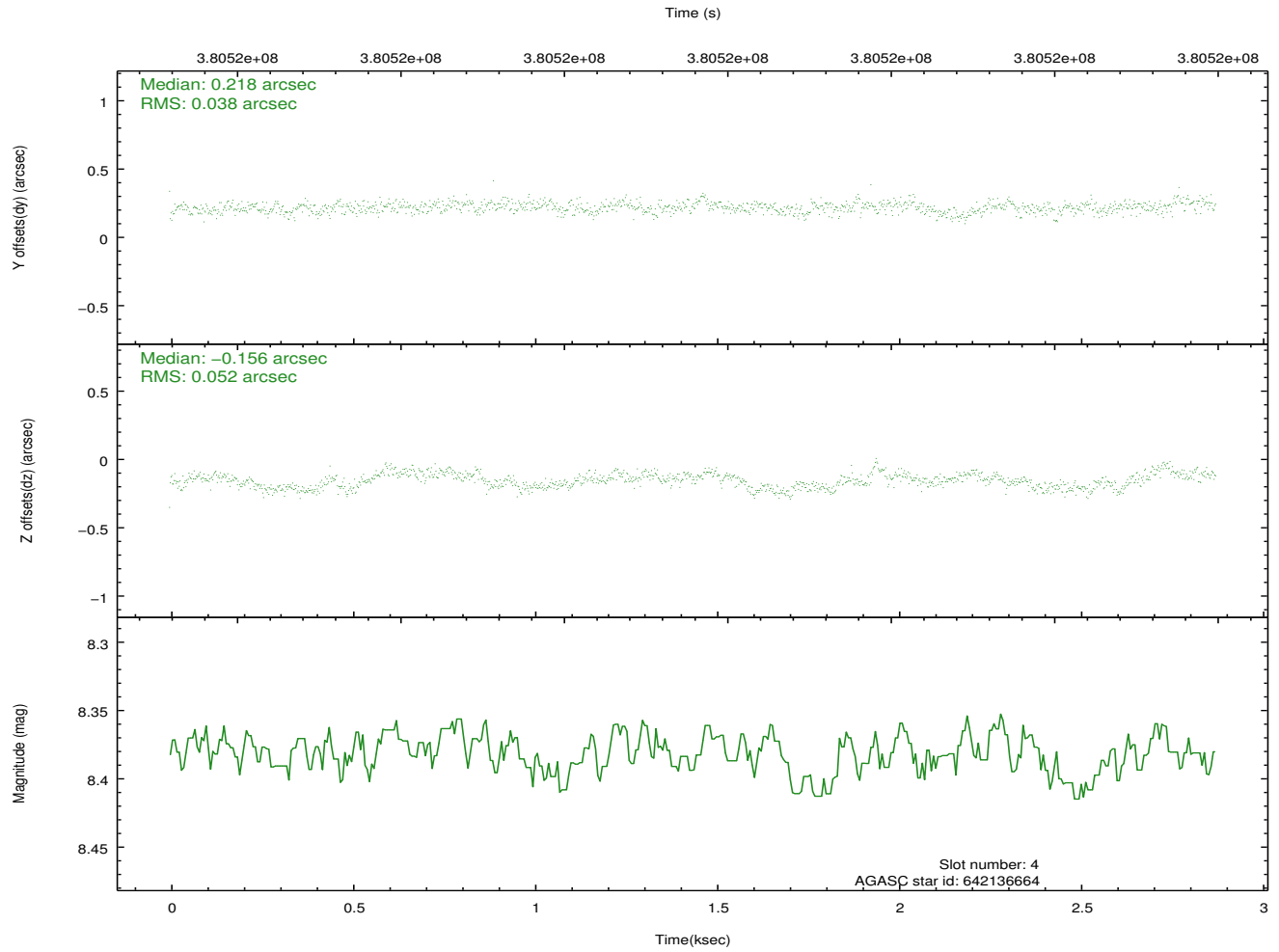
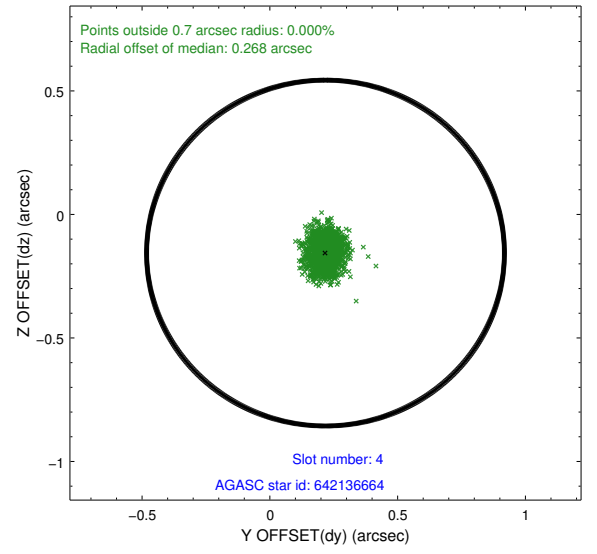
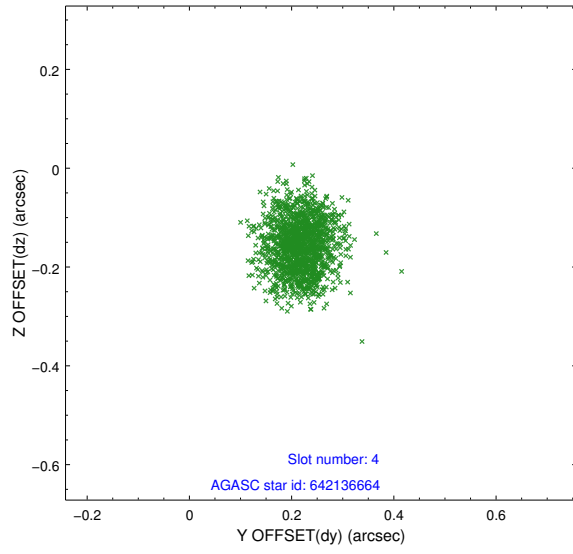
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	702	0.004	-0.094	0.008	0.014	0.000000	0.000000	924.88	-840.06
1	FID	ACIS-I-4	6.94	702	0.126	0.087	0.007	0.010	0.000000	0.000000	2146.26	1058.81
2	FID	ACIS-I-5	7.00	702	-0.228	0.078	0.006	0.012	0.000000	0.000000	-1820.51	1059.15
3	GUIDE	642130912	7.96	1403	-0.155	-0.209	0.066	0.111	148.633475	-4.436114	2348.57	1257.91
4	GUIDE	642136664	8.38	1403	0.218	-0.156	0.070	0.108	147.866202	-4.972417	-979.93	1724.46
5	GUIDE	642136704	7.06	1403	-0.128	0.031	0.055	0.090	148.904130	-4.976239	1730.06	-824.78
6	GUIDE	642522984	8.68	1402	-0.203	0.254	0.093	0.160	149.320499	-5.182668	2315.09	-2388.82
7	GUIDE	642526976	9.07	1401	0.268	0.079	0.099	0.161	148.687115	-5.542879	-228.33	-1786.86

2.4 Star Slots

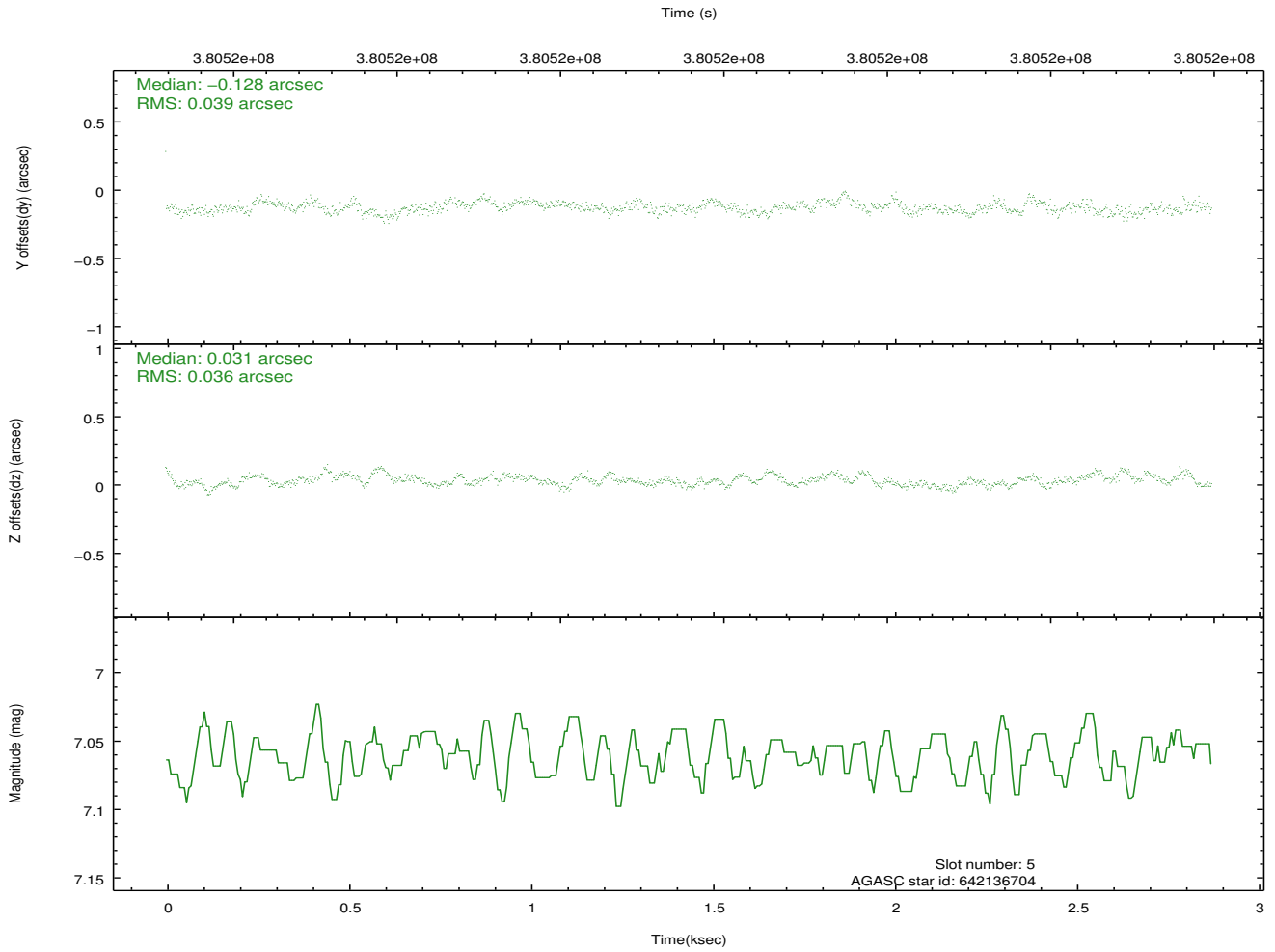
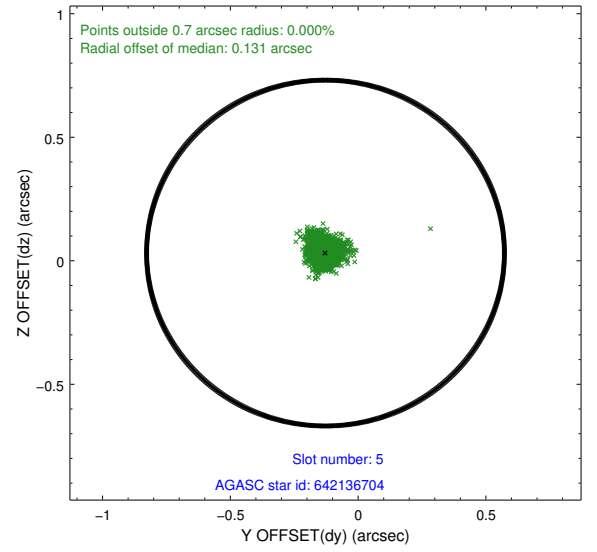
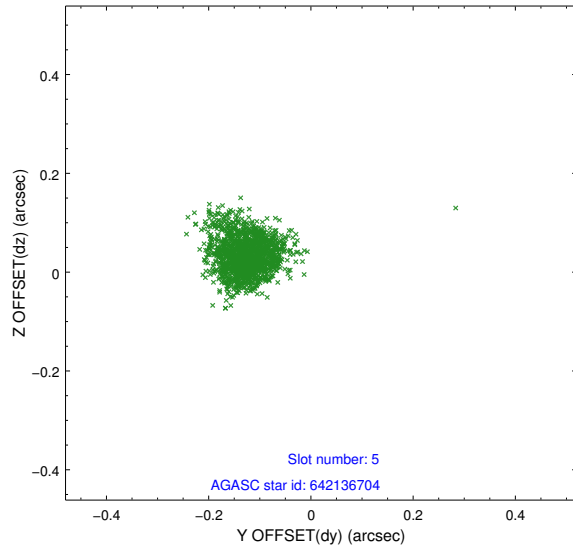
2.4.1 Slot 3



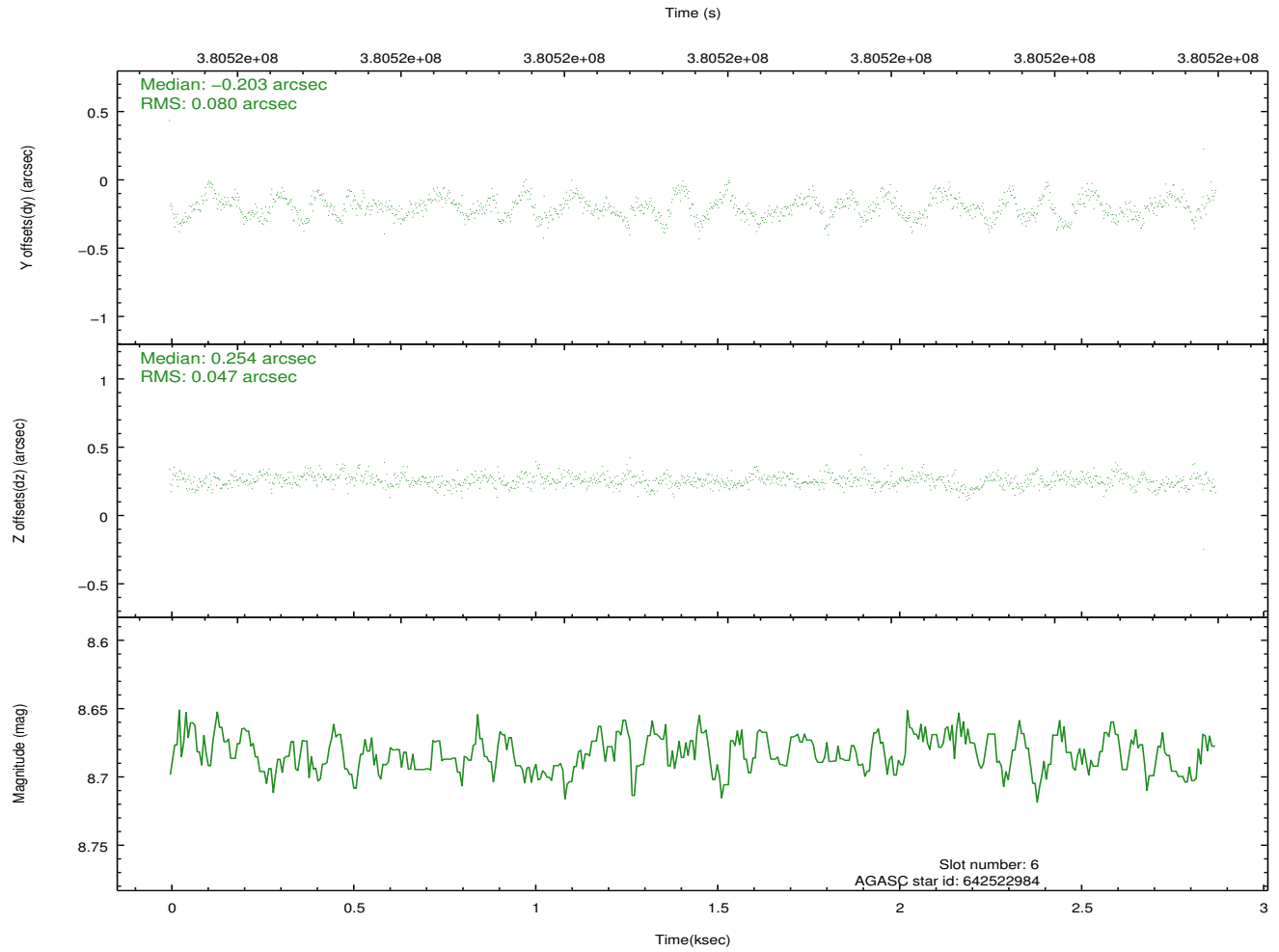
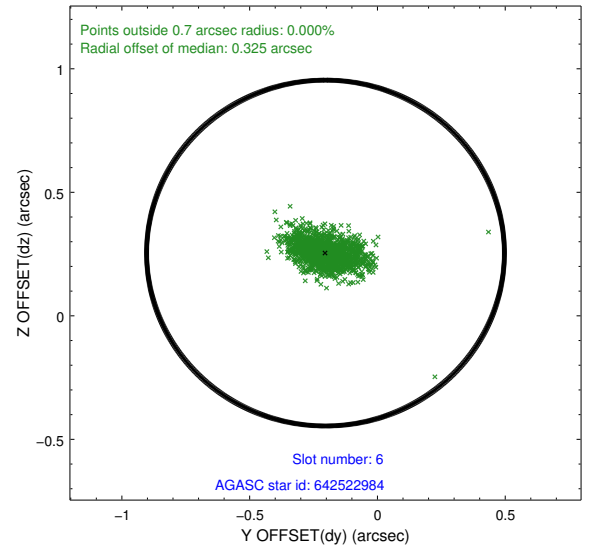
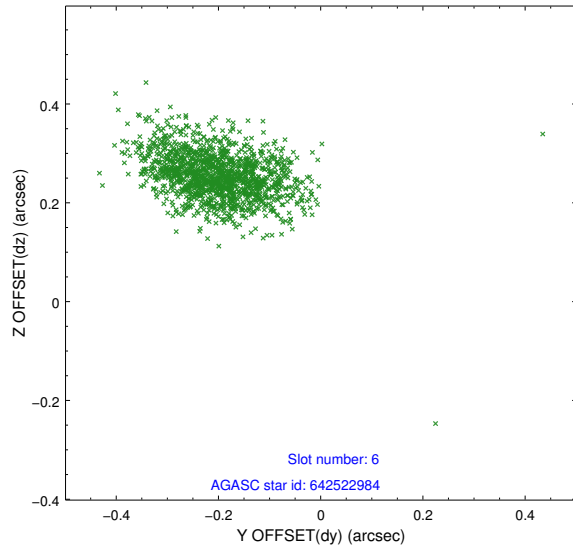
2.4.2 Slot 4



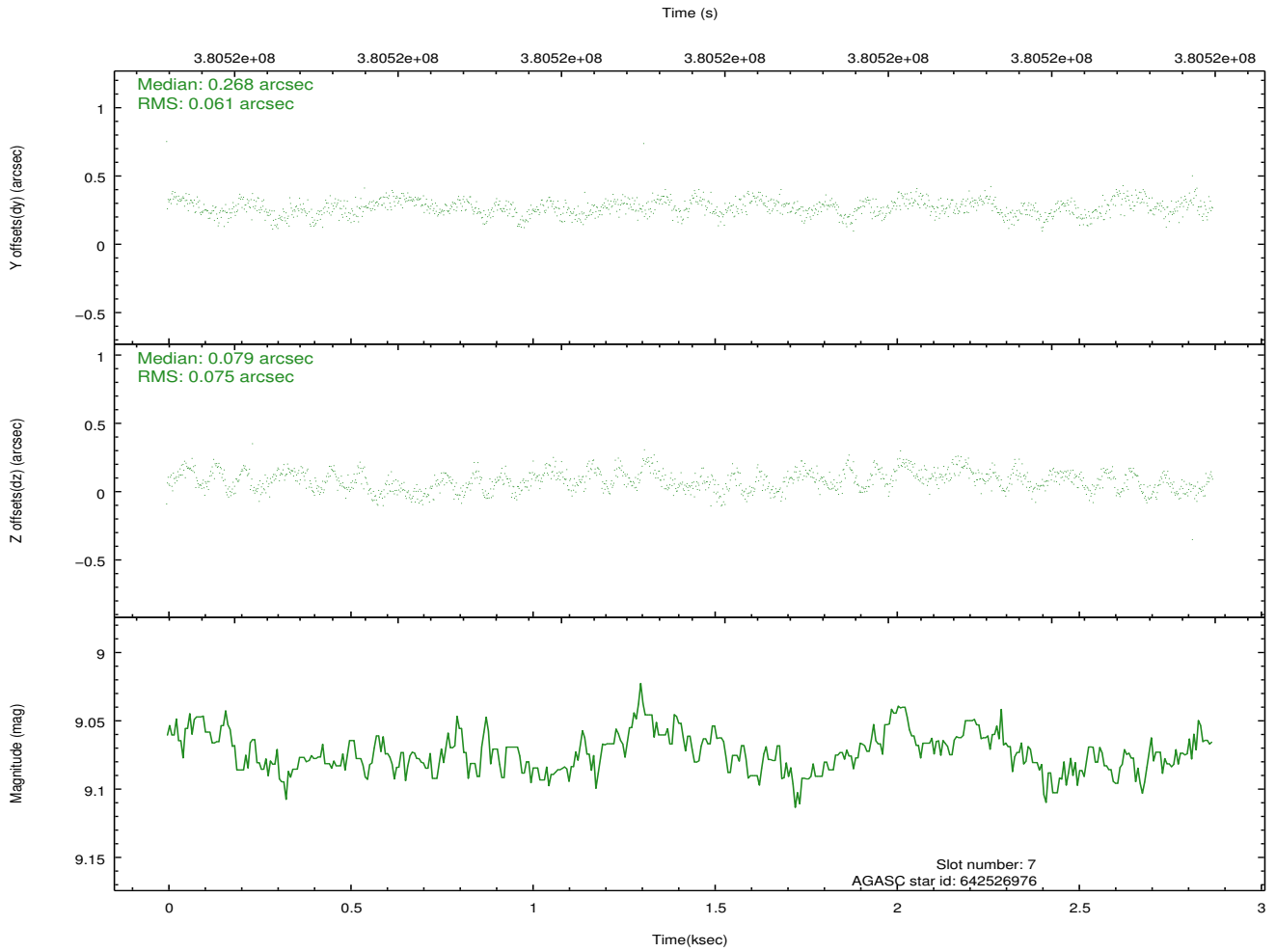
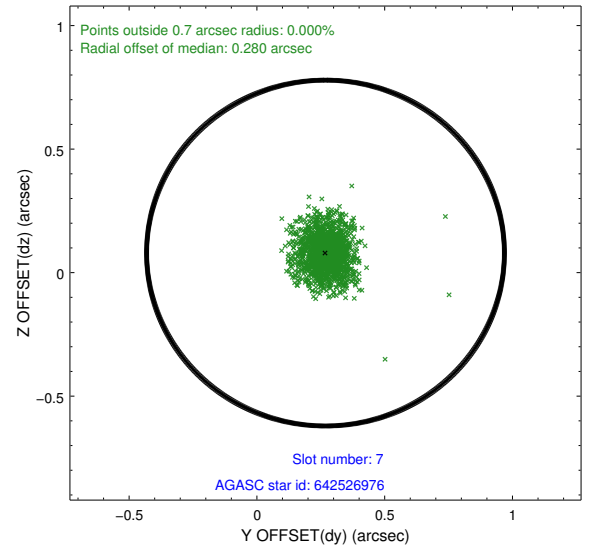
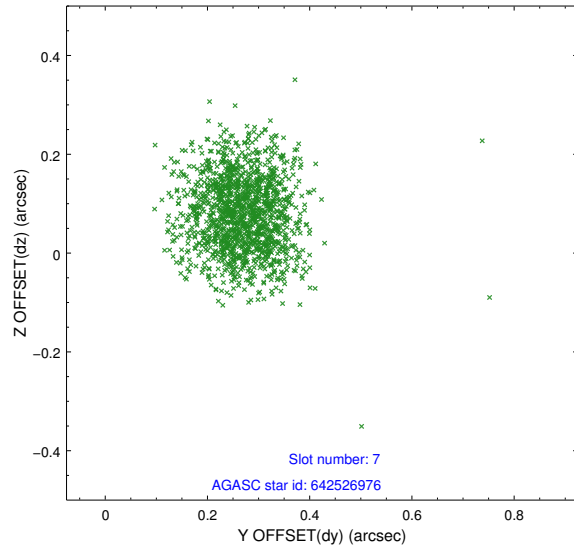
2.4.3 Slot 5



2.4.4 Slot 6

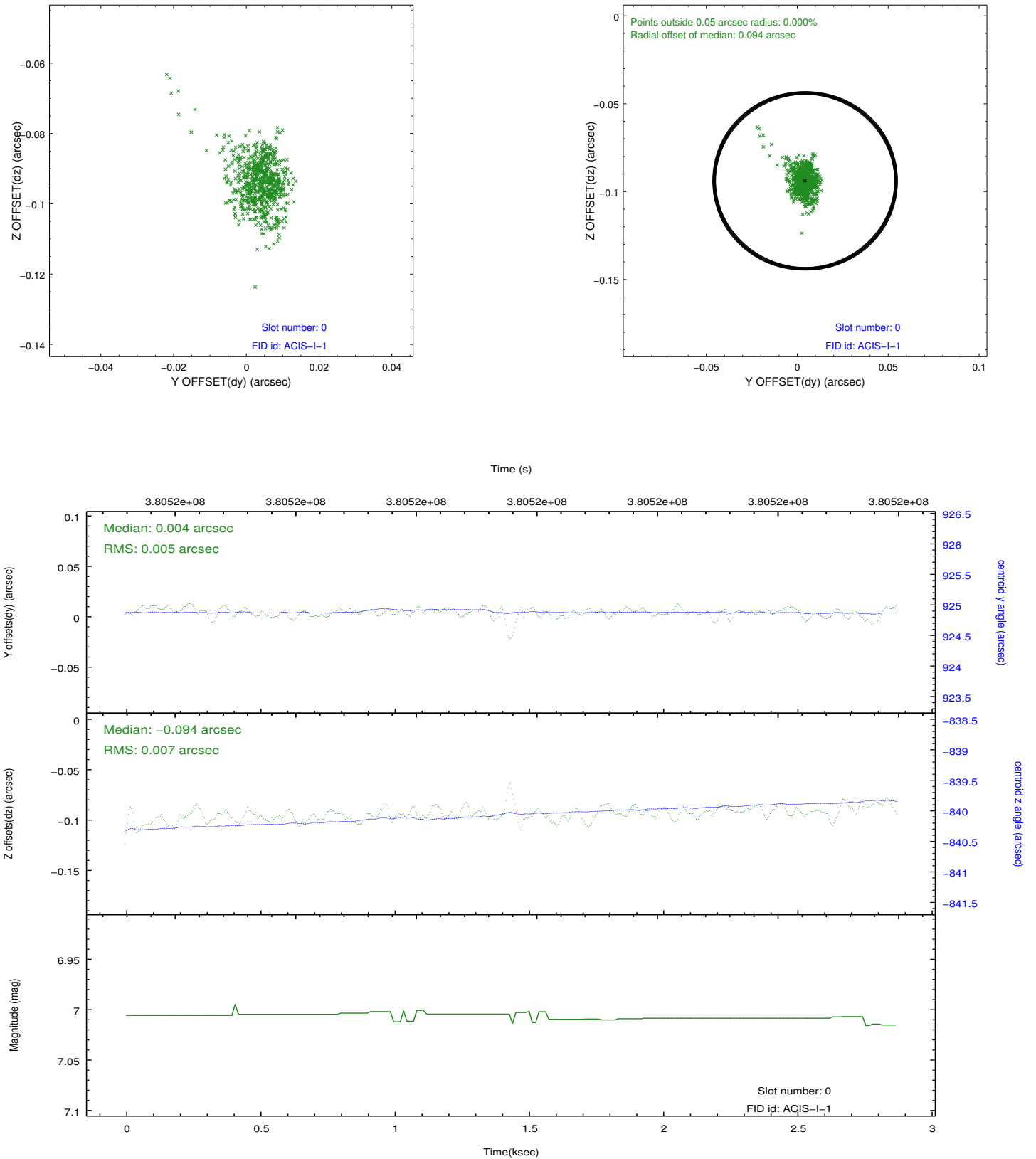


2.4.5 Slot 7

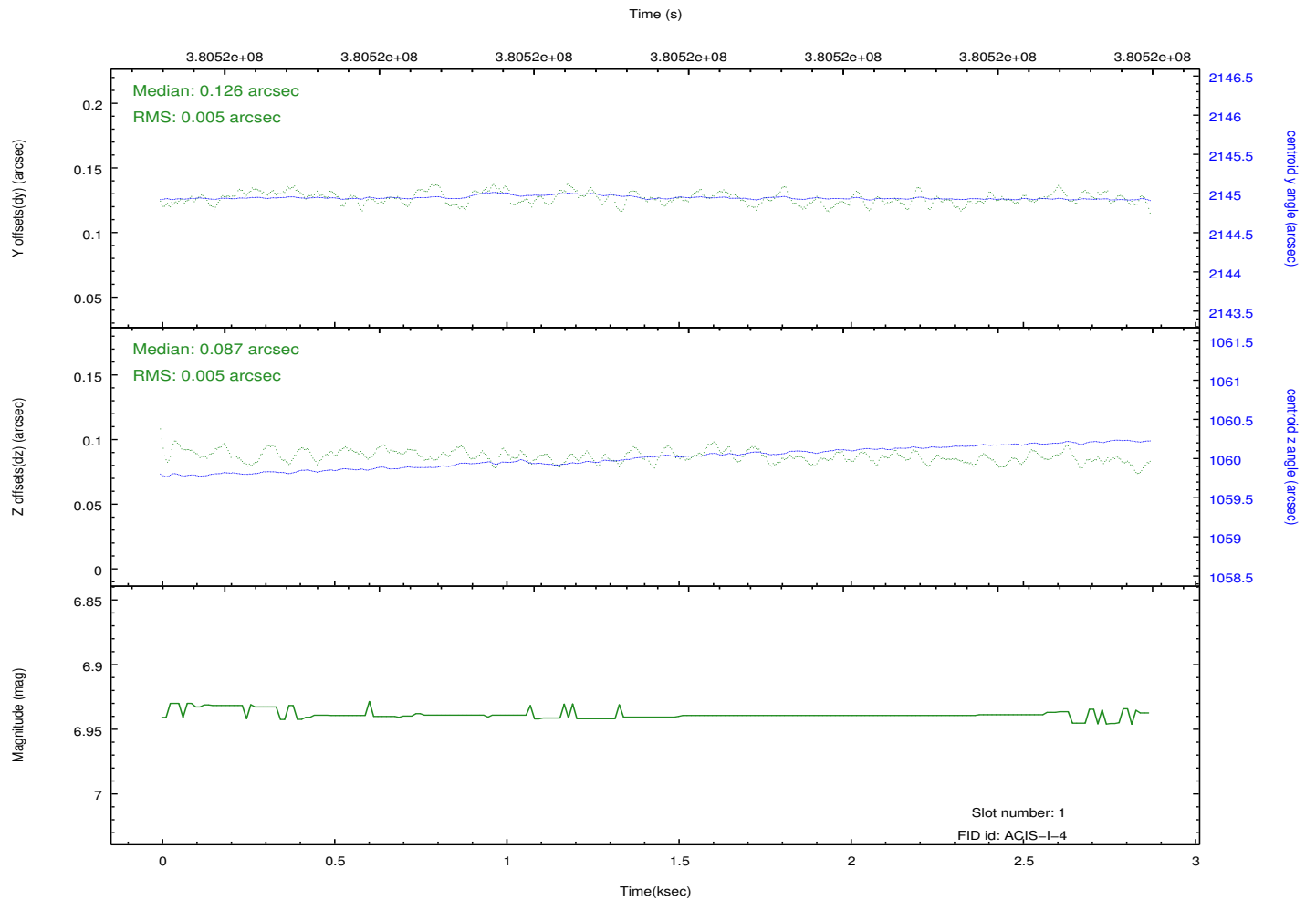
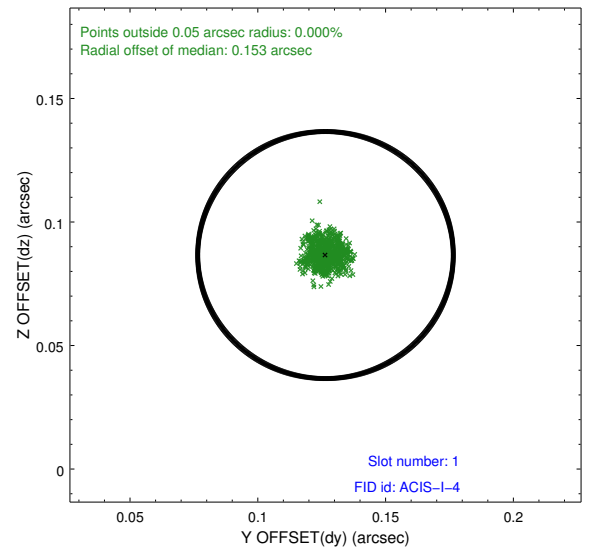
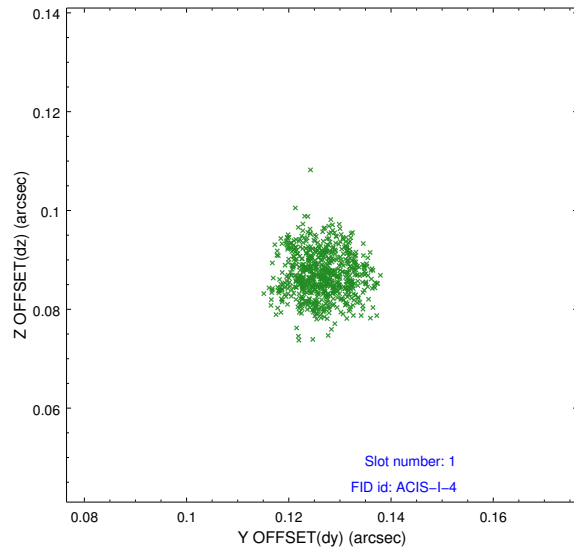


2.5 FID Slots

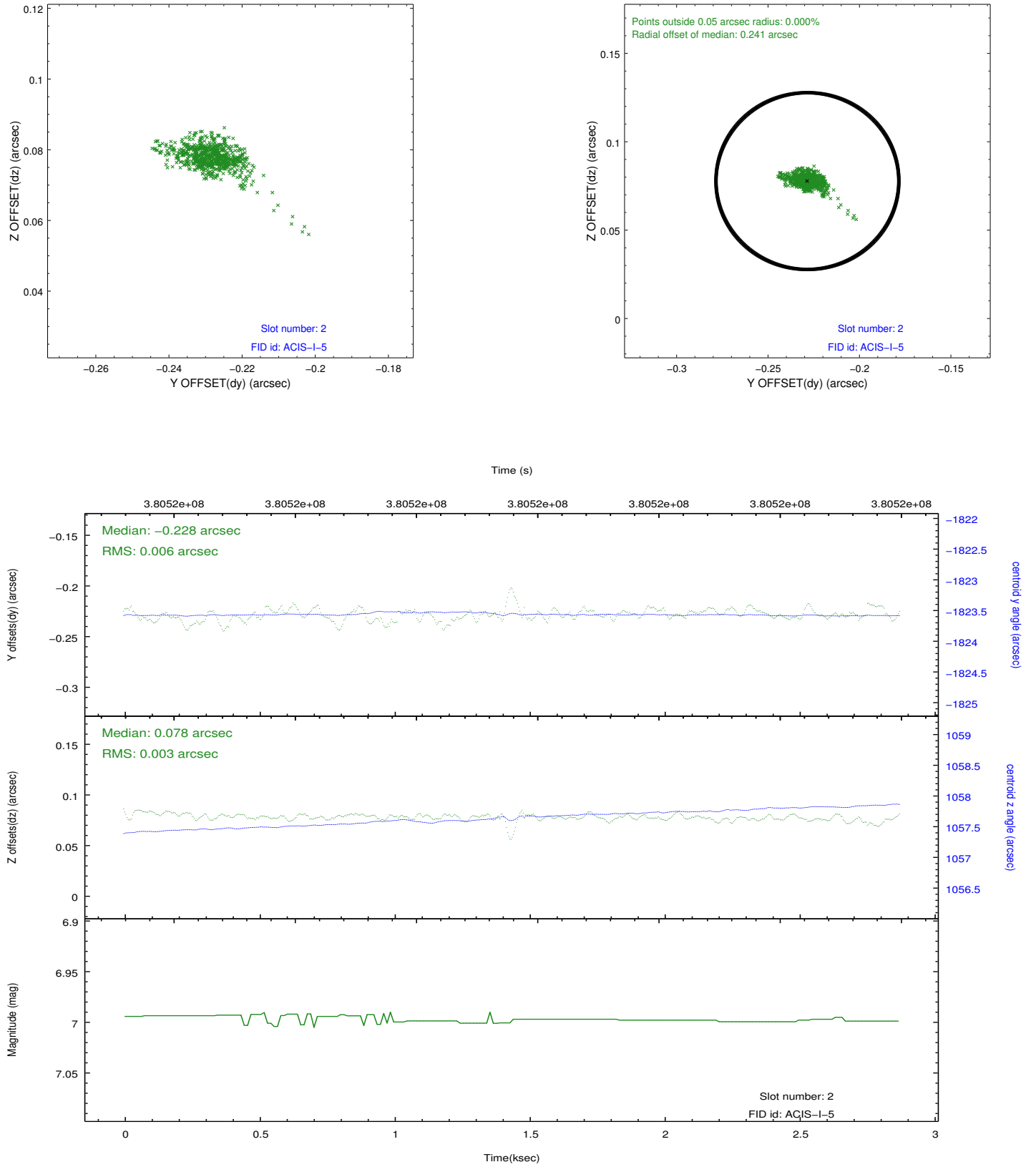
2.5.1 Slot 0



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	2.470700019002

A.2 Comments