

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11613 - L2 Version 2
Chandra X-Ray Center

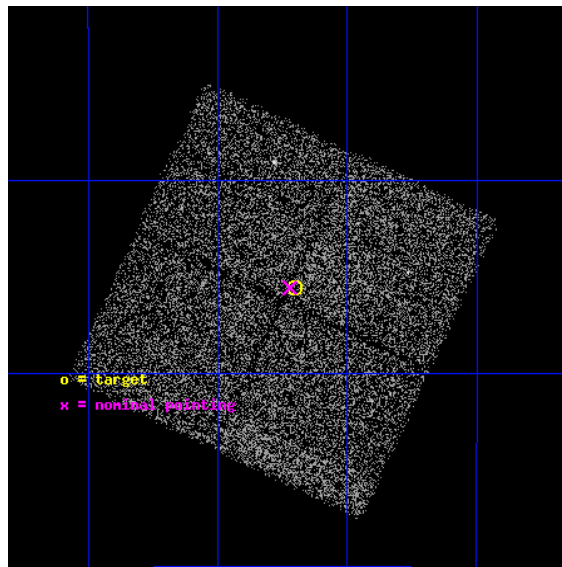
L2 Processing Date : Jul 5 2012

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1 Front

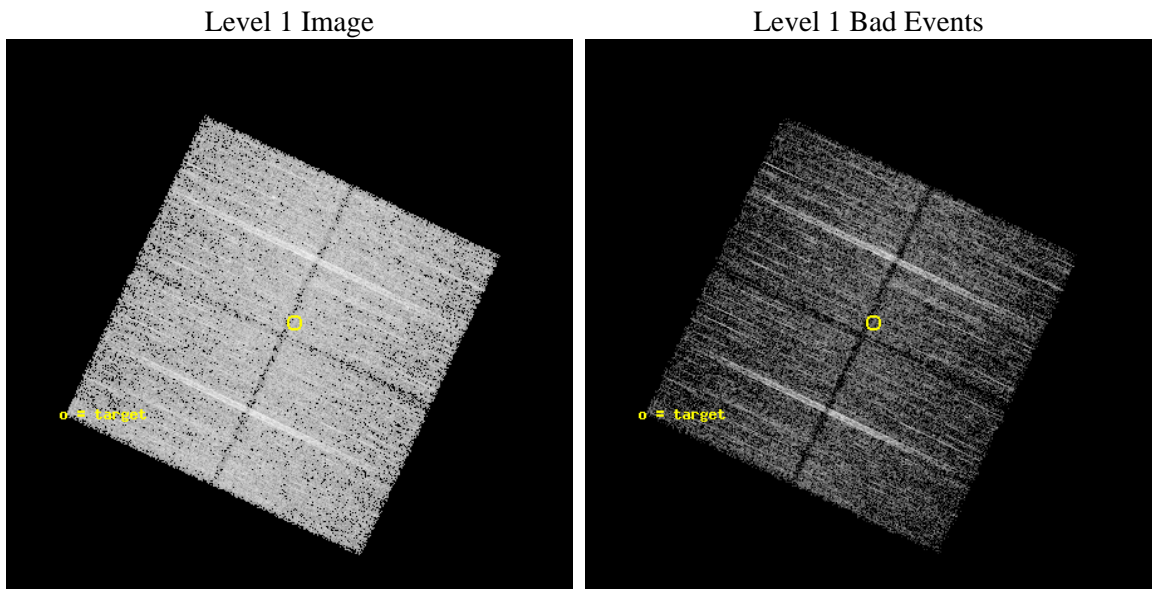
seq_num	702199	Sequence number
obs_id	11613	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_1571	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.300417	Observer's specified target RA [deg]
dec_targ	-25.426611	Observer's specified target Dec [deg]
ra_nom	39.305613748674	Nominal RA [deg]
dec_nom	-25.426301635811	Nominal Dec [deg]
roll_nom	25.206436069021	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10059.500077367	Sum of GTIs [s]
livetime	9928.0653031598	Livetime [s]
ontime0	10059.500077367	Sum of GTIs [s]
ontime1	10059.500077367	Sum of GTIs [s]
ontime2	10053.218106806	Sum of GTIs [s]
ontime3	10059.500077367	Sum of GTIs [s]
l2events	26983	Number of level 2 events



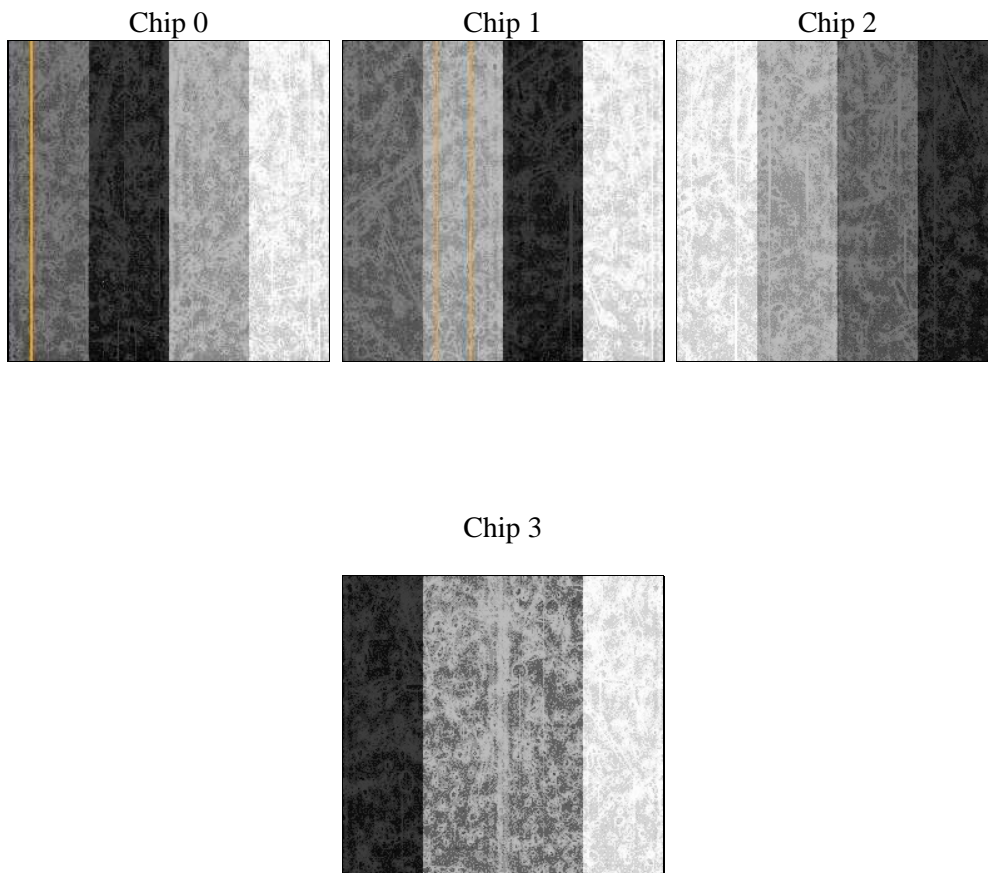
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10059.500077367	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	10059.500077367	Sum of GTIs [s]
date	2012-07-05T05:37:53	Date and time of file creation	ontime1	10059.500077367	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10053.218106806	Sum of GTIs [s]
			ontime3	10059.500077367	Sum of GTIs [s]
			l1events	276432	Number of level 1 events

2.1.4 Events

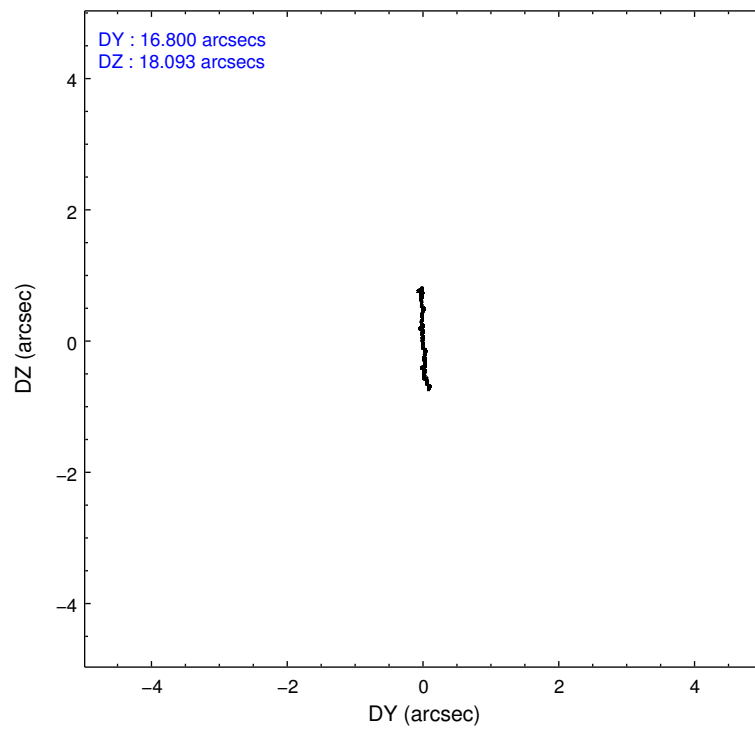
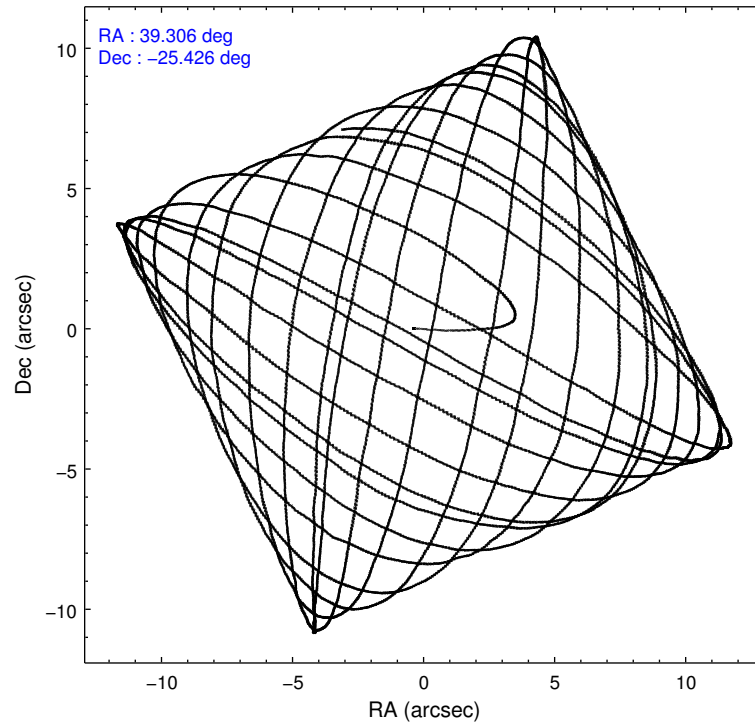
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	67002	66205	72655	70570
rejected events	59087	57370	64761	62713
rejected %	88%	86%	89%	88%

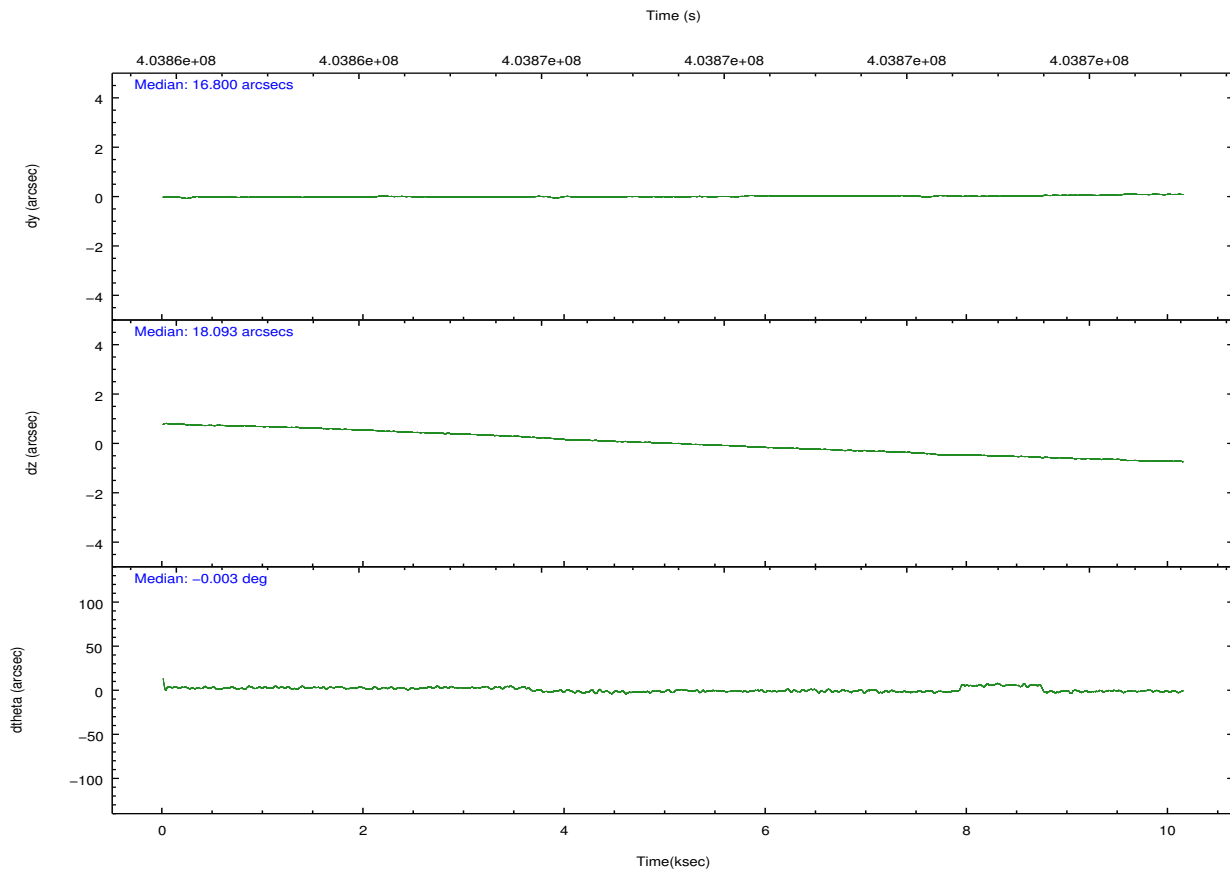
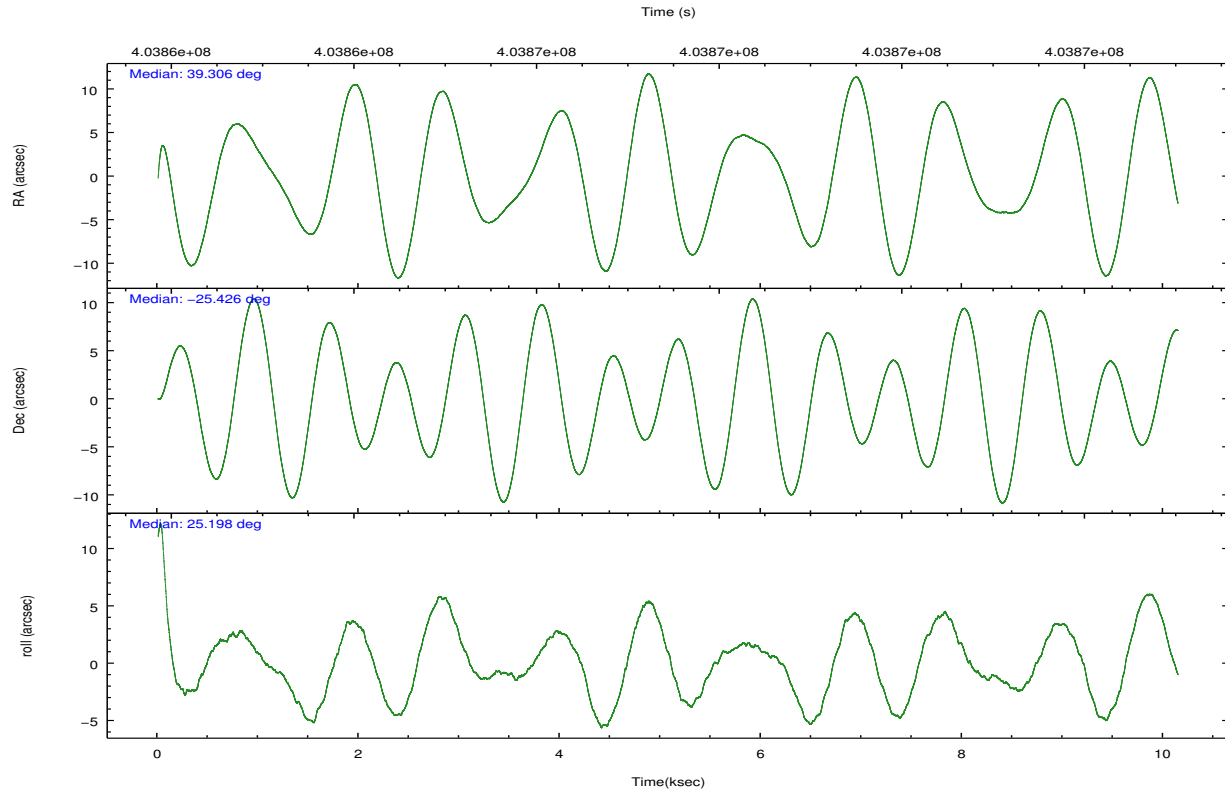
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2745	3269	2908	2851
	4%	4%	4%	4%
grade 1 events	48	38	43	34
	0%	0%	0%	0%
grade 2 events	1956	2018	1880	1744
	2%	3%	2%	2%
grade 3 events	890	914	858	807
	1%	1%	1%	1%
grade 4 events	801	867	870	909
	1%	1%	1%	1%
grade 5 events	3013	3161	2679	3466
	4%	4%	3%	4%
grade 6 events	1528	1770	1383	1551
	2%	2%	1%	2%
grade 7 events	56021	54168	62034	59208
	83%	81%	85%	83%

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	39.288341	39.30561374867371	Subarray requested	NONE	NONE
[deg] Pointing Dec	-25.448977	-25.42630163581086	Alternating exposures requested	N	N
[deg] Pointing Roll	24.990323	25.2064360690207	[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)	403862522.184000	403861374.15698			
Observation start date	2010-10-19T08:00:56	2010-10-19T07:42:54			
[s] Observation end time (MET)	403872522.184000	403874035.47013			
Observation end date	2010-10-19T10:47:36	2010-10-19T11:13:55			
Read mode	TIMED	TIMED			

2.3 Aspect



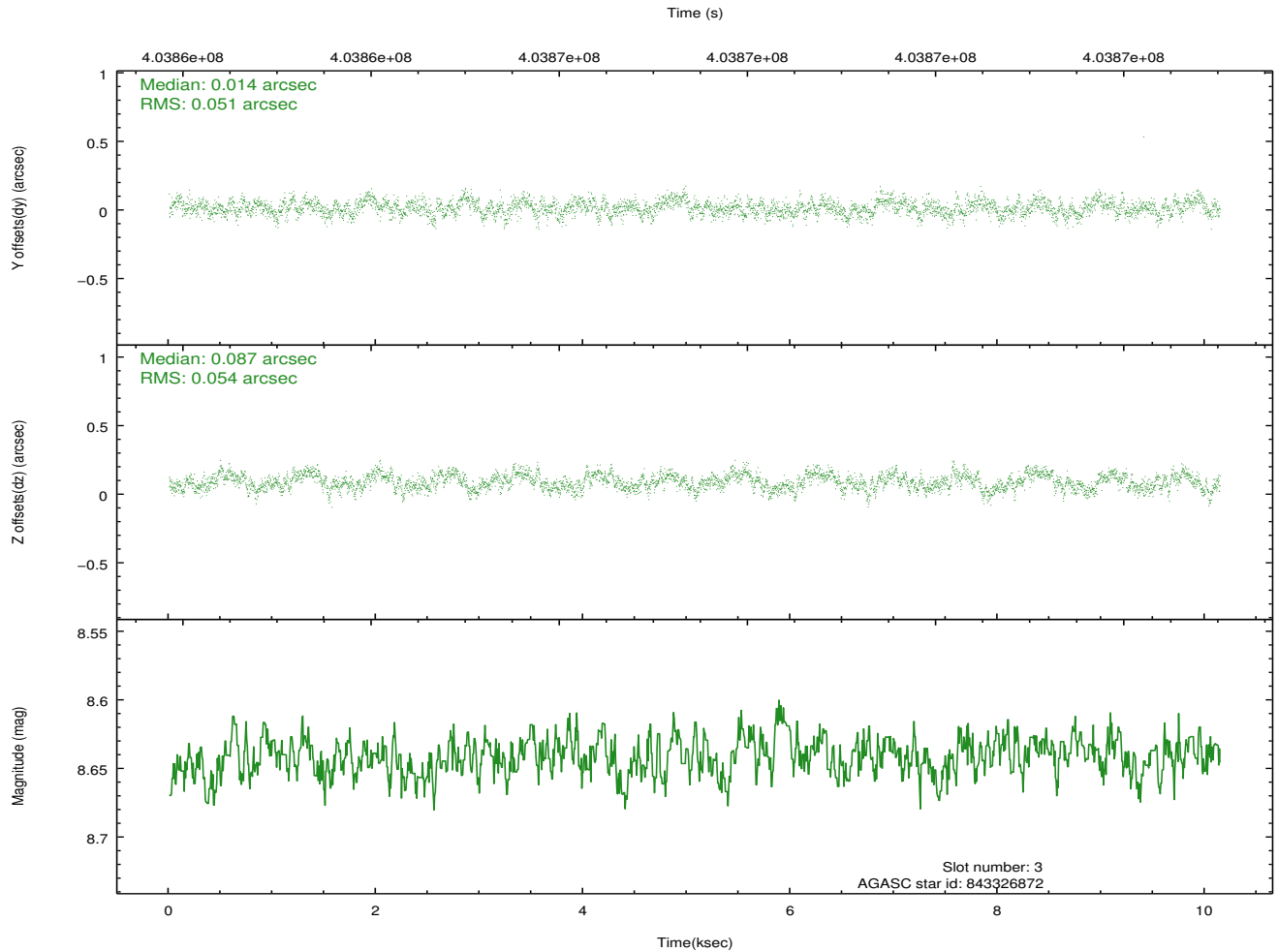
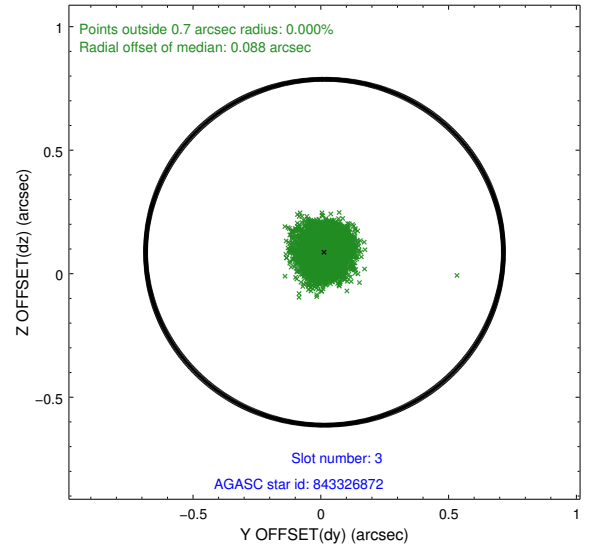
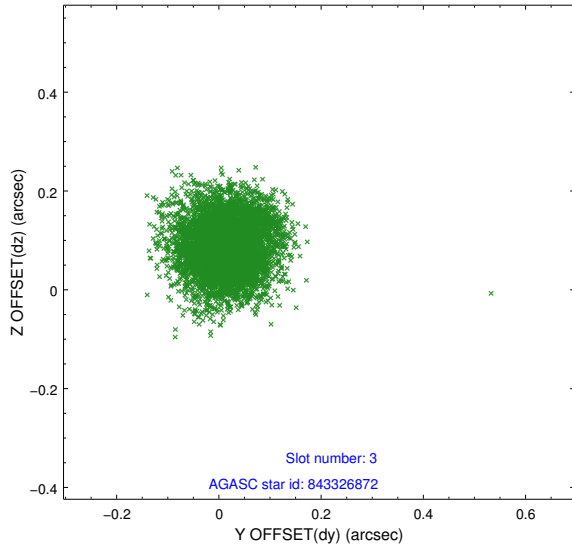


Slot Statistics

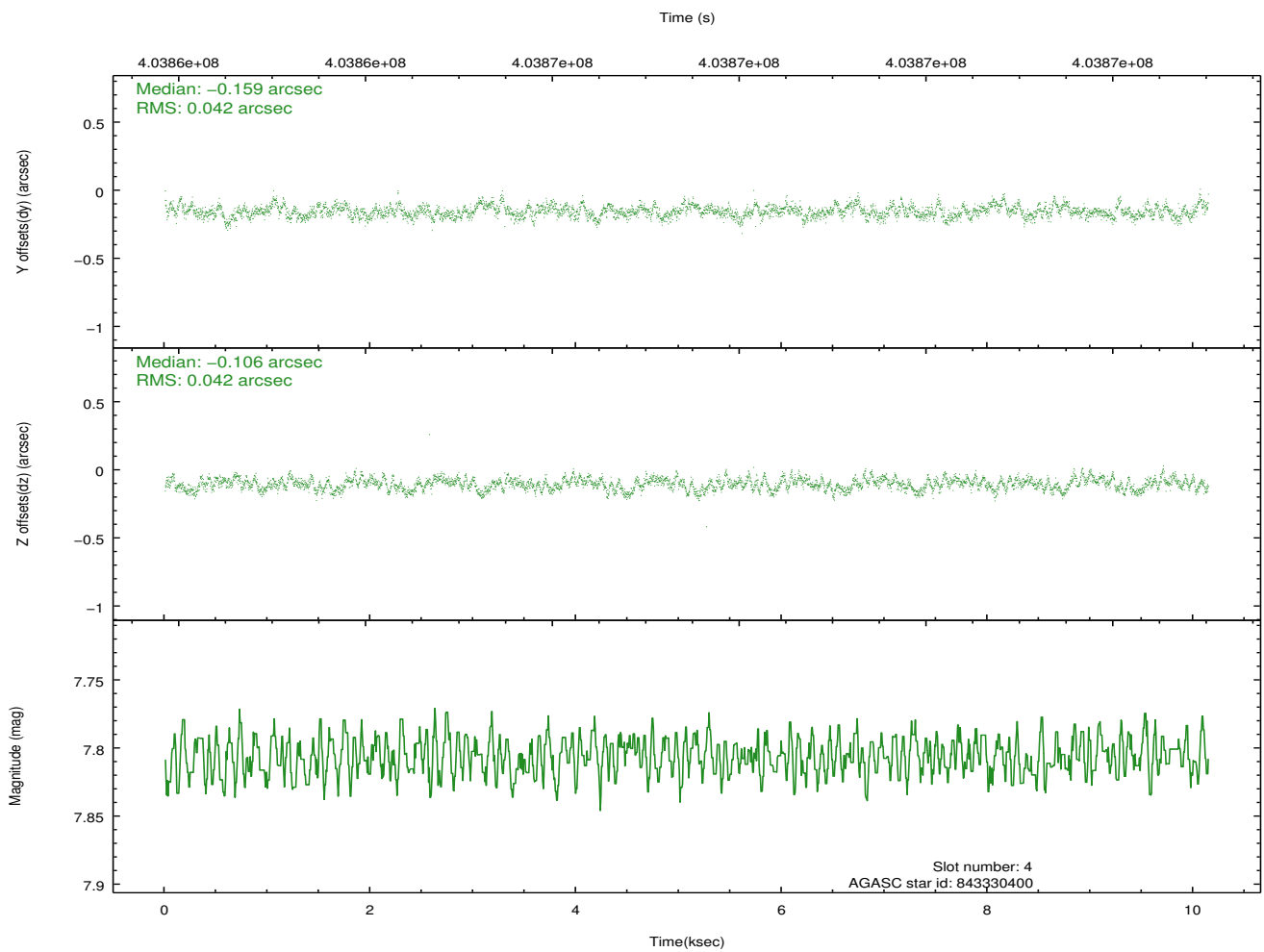
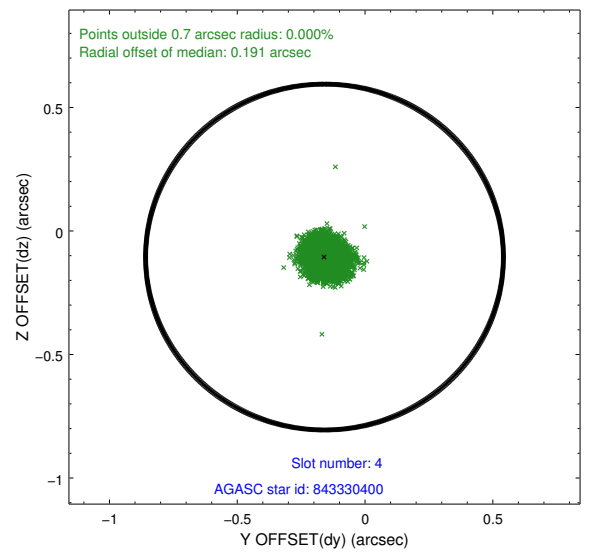
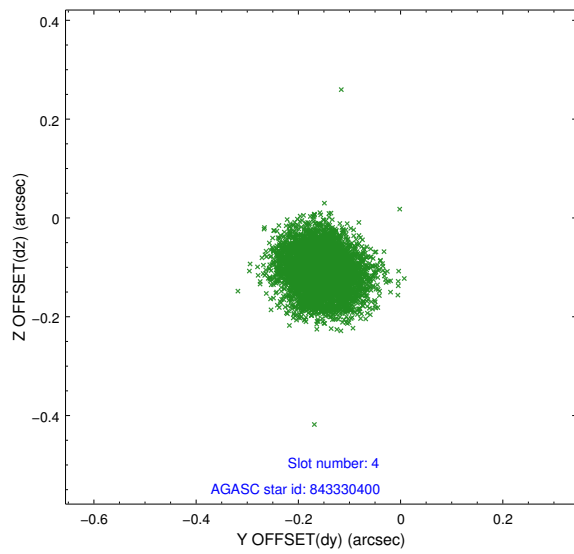
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	2474	-0.081	0.007	0.036	0.051	0.000000	0.000000	922.53	-841.77
1	FID	ACIS-I-2	6.93	2474	-0.131	-0.071	0.015	0.021	0.000000	0.000000	-771.32	-848.57
2	FID	ACIS-I-4	6.95	2471	0.114	0.131	0.032	0.044	0.000000	0.000000	2142.35	1057.89
3	GUIDE	843326872	8.64	4946	0.014	0.087	0.080	0.124	39.704769	-25.365765	1354.07	-302.64
4	GUIDE	843330400	7.81	4946	-0.159	-0.106	0.063	0.099	39.198921	-25.023765	381.35	1510.14
5	GUIDE	843330648	8.20	4947	0.301	0.002	0.057	0.090	38.660134	-25.379430	-1747.81	1085.88
6	GUIDE	843333344	7.39	4948	-0.153	0.059	0.059	0.096	39.858938	-25.569072	1495.31	-1177.82
7	GUIDE	843327640	8.52	4942	-0.006	-0.045	0.074	0.125	38.452550	-25.078077	-1909.47	2353.36

2.4 Star Slots

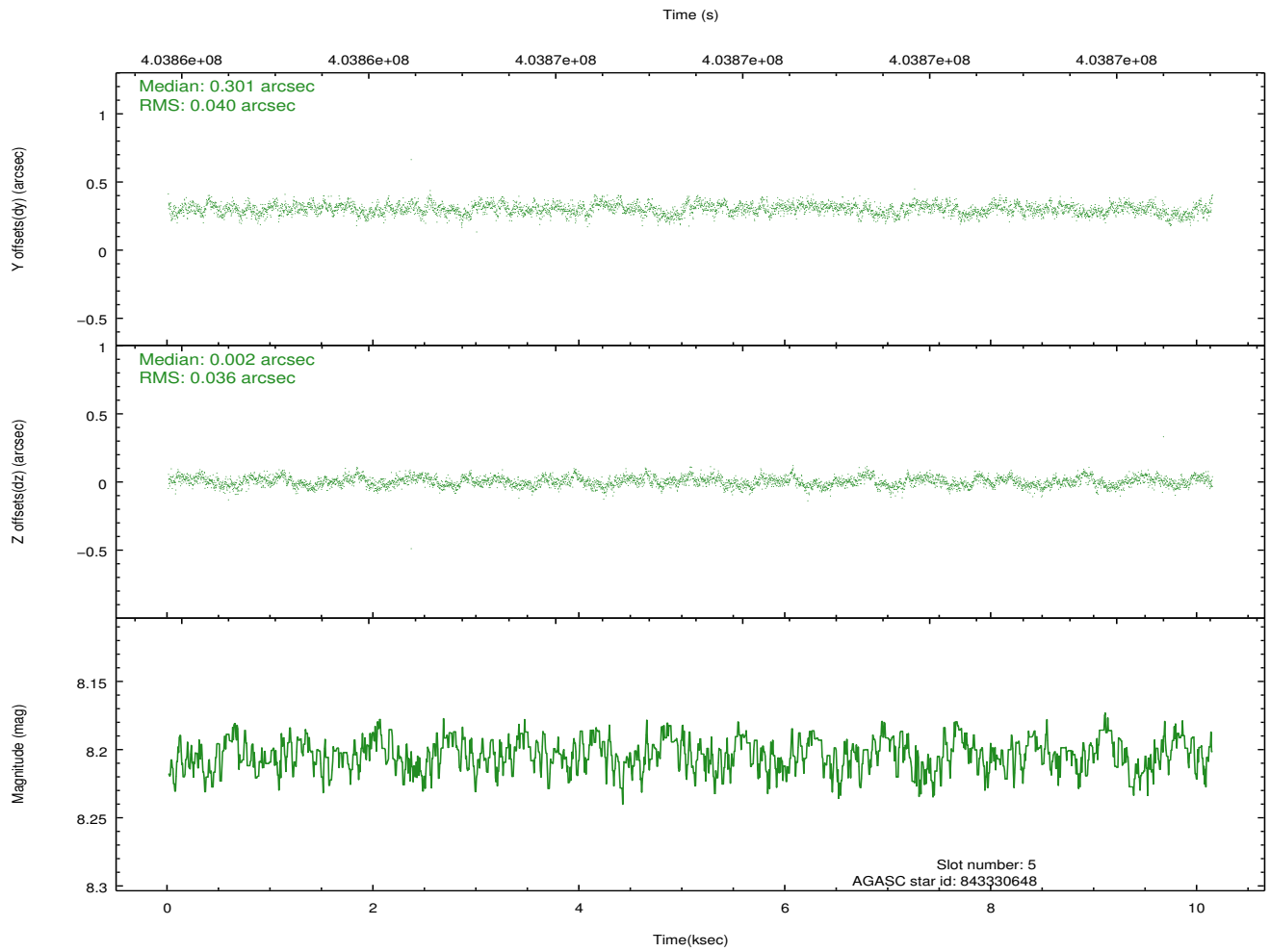
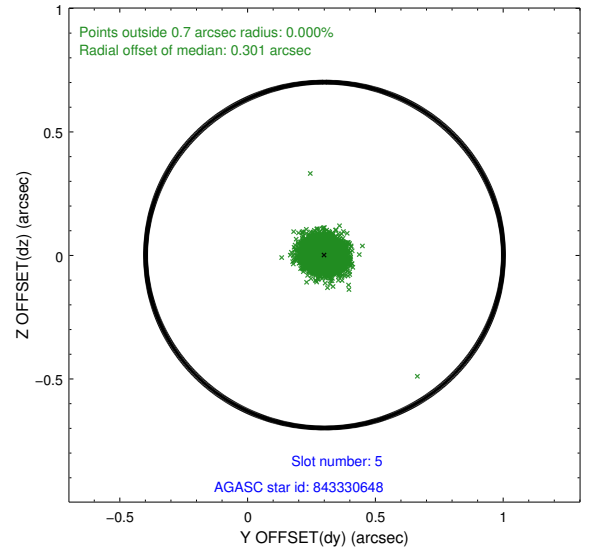
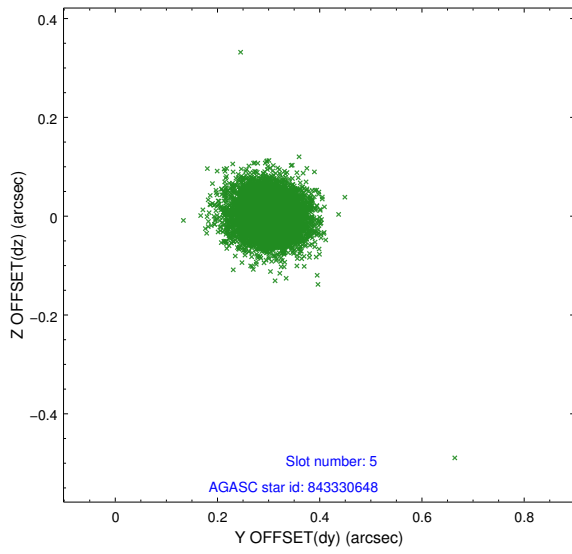
2.4.1 Slot 3



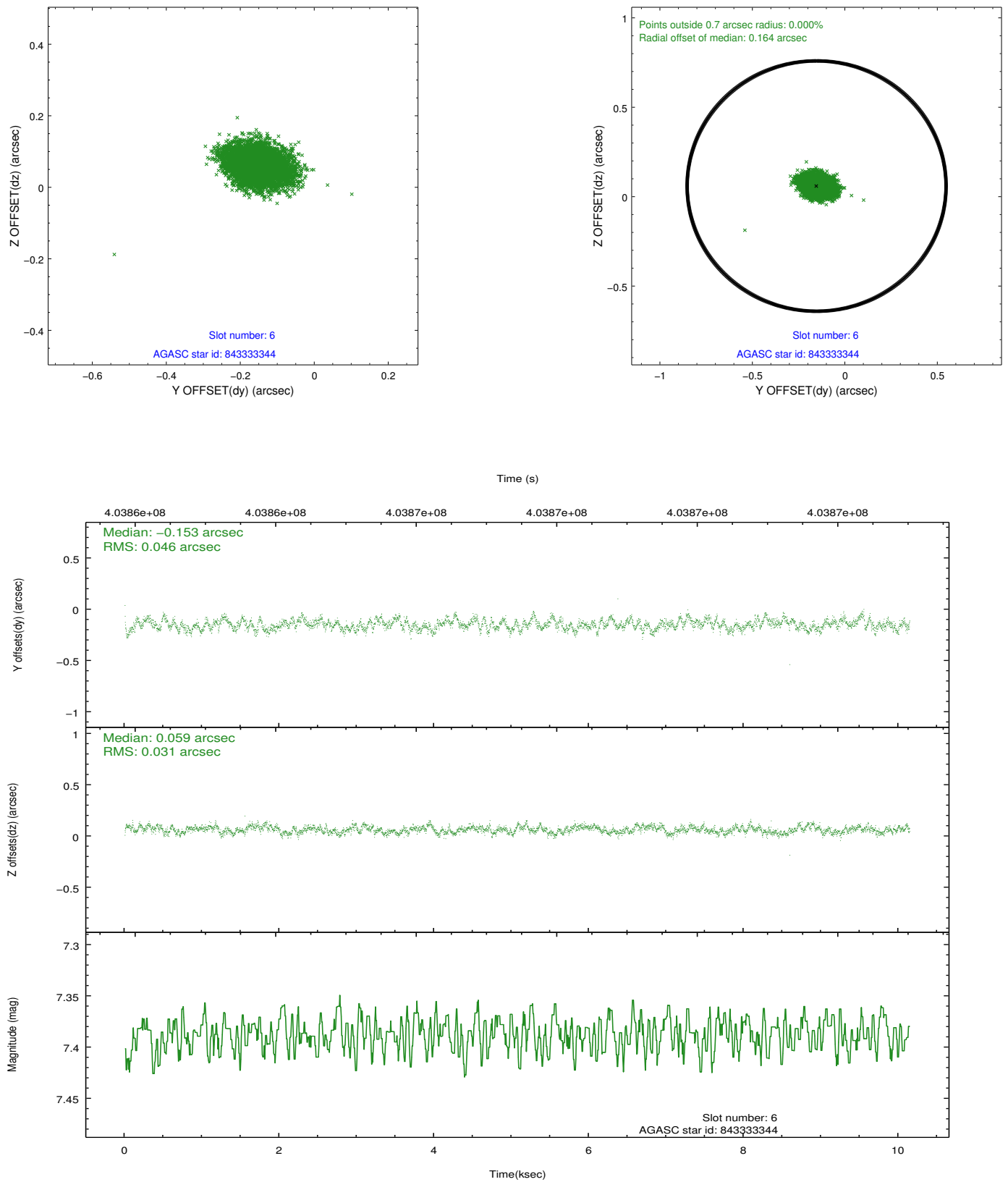
2.4.2 Slot 4



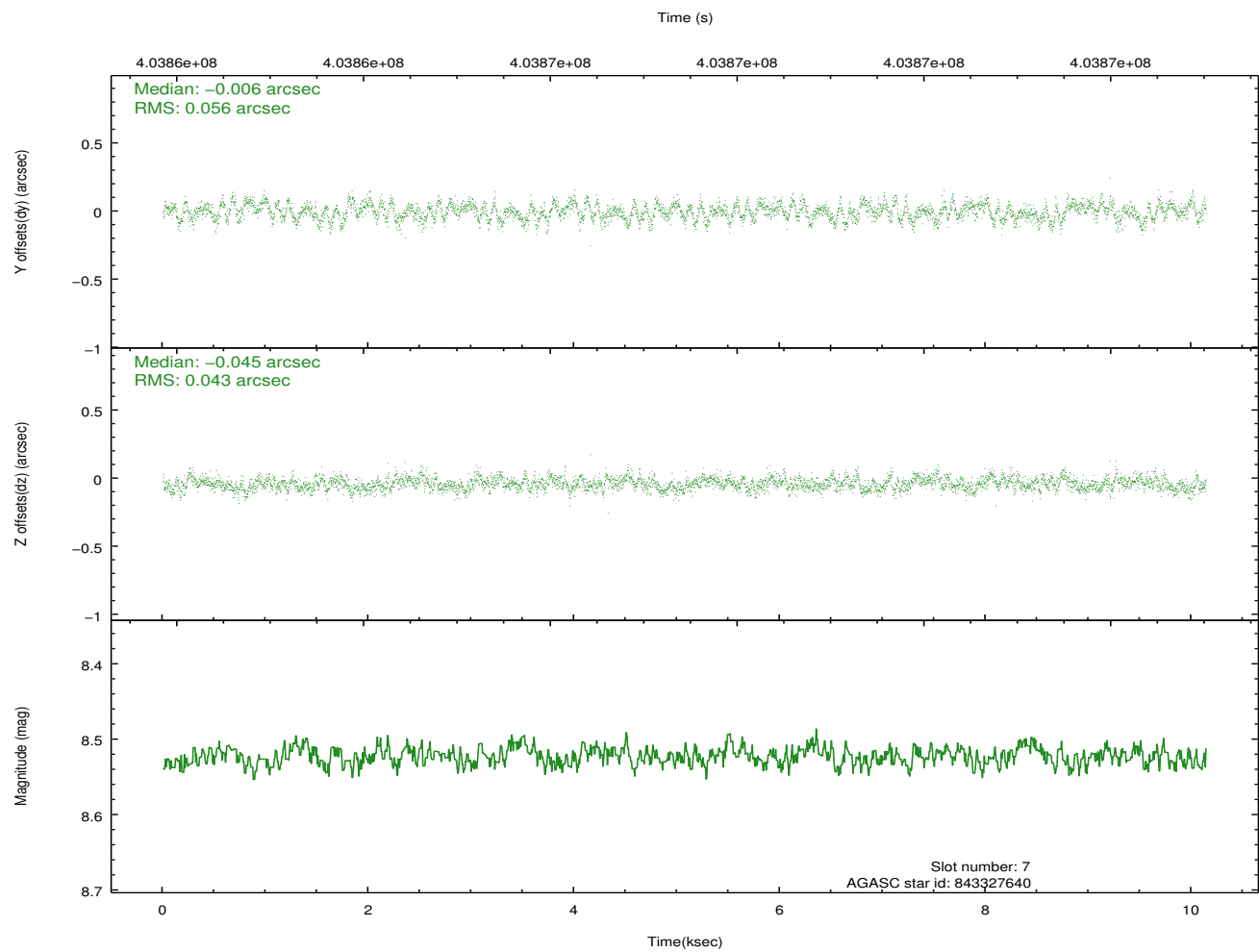
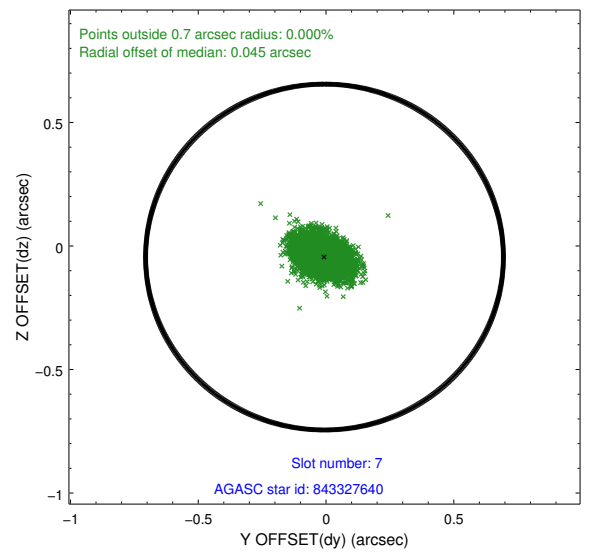
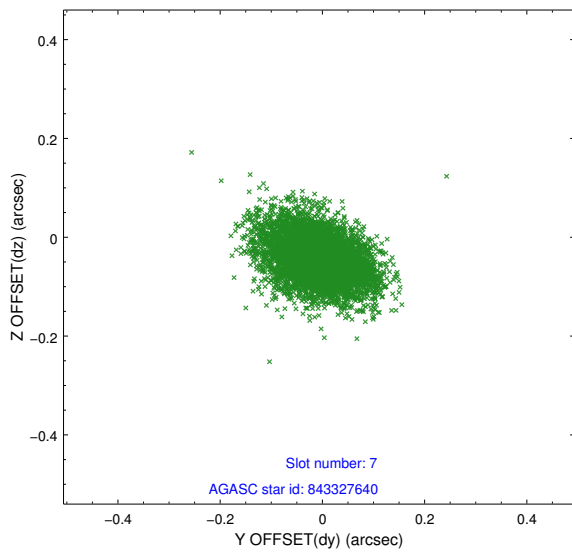
2.4.3 Slot 5



2.4.4 Slot 6

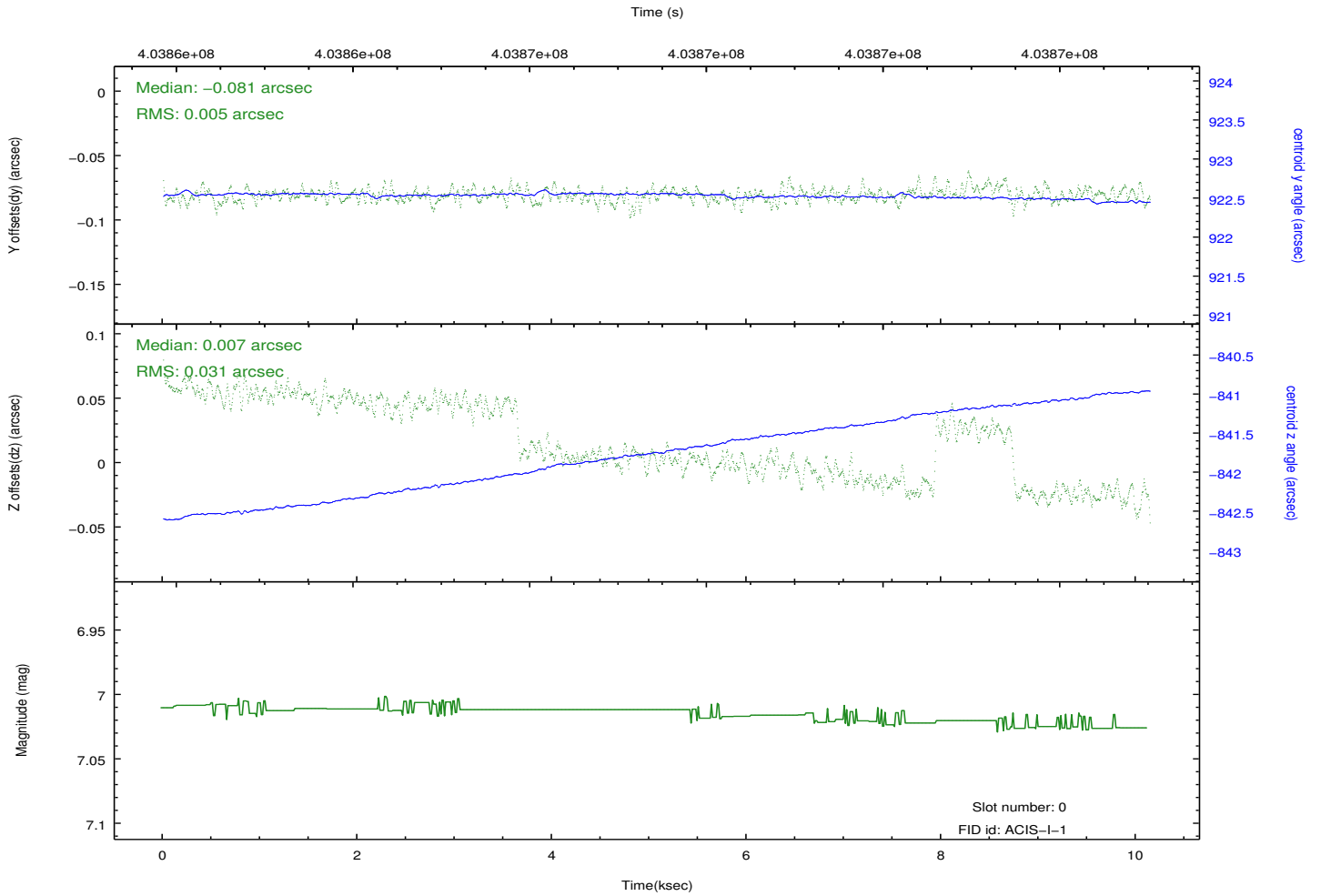
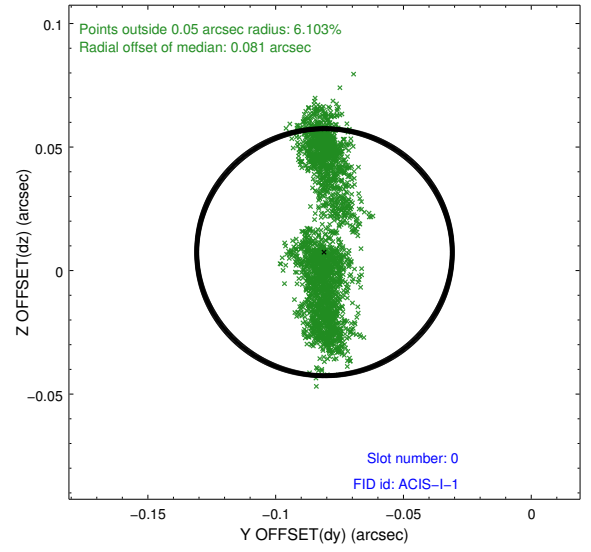
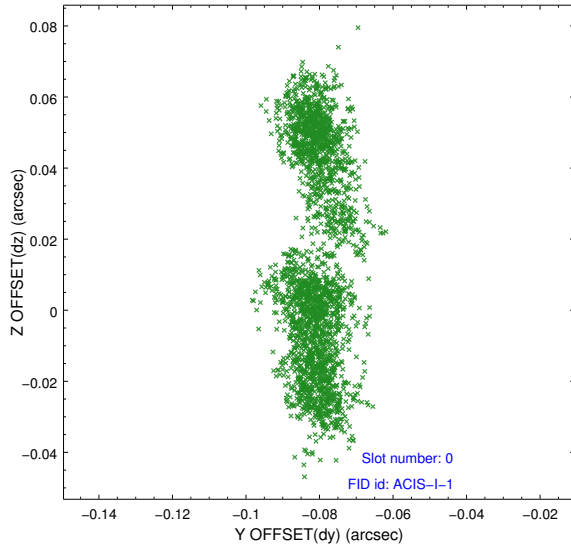


2.4.5 Slot 7

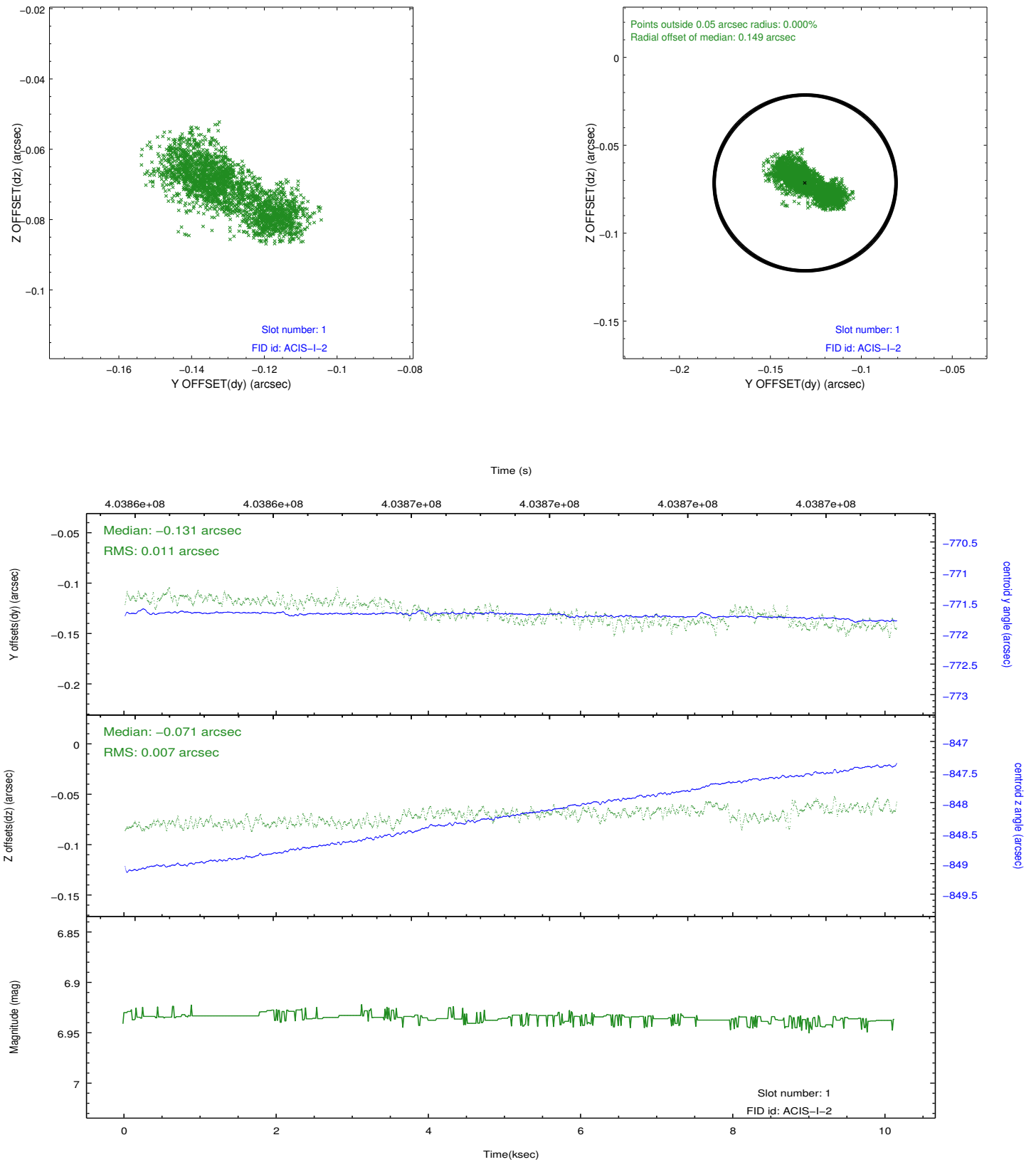


2.5 FID Slots

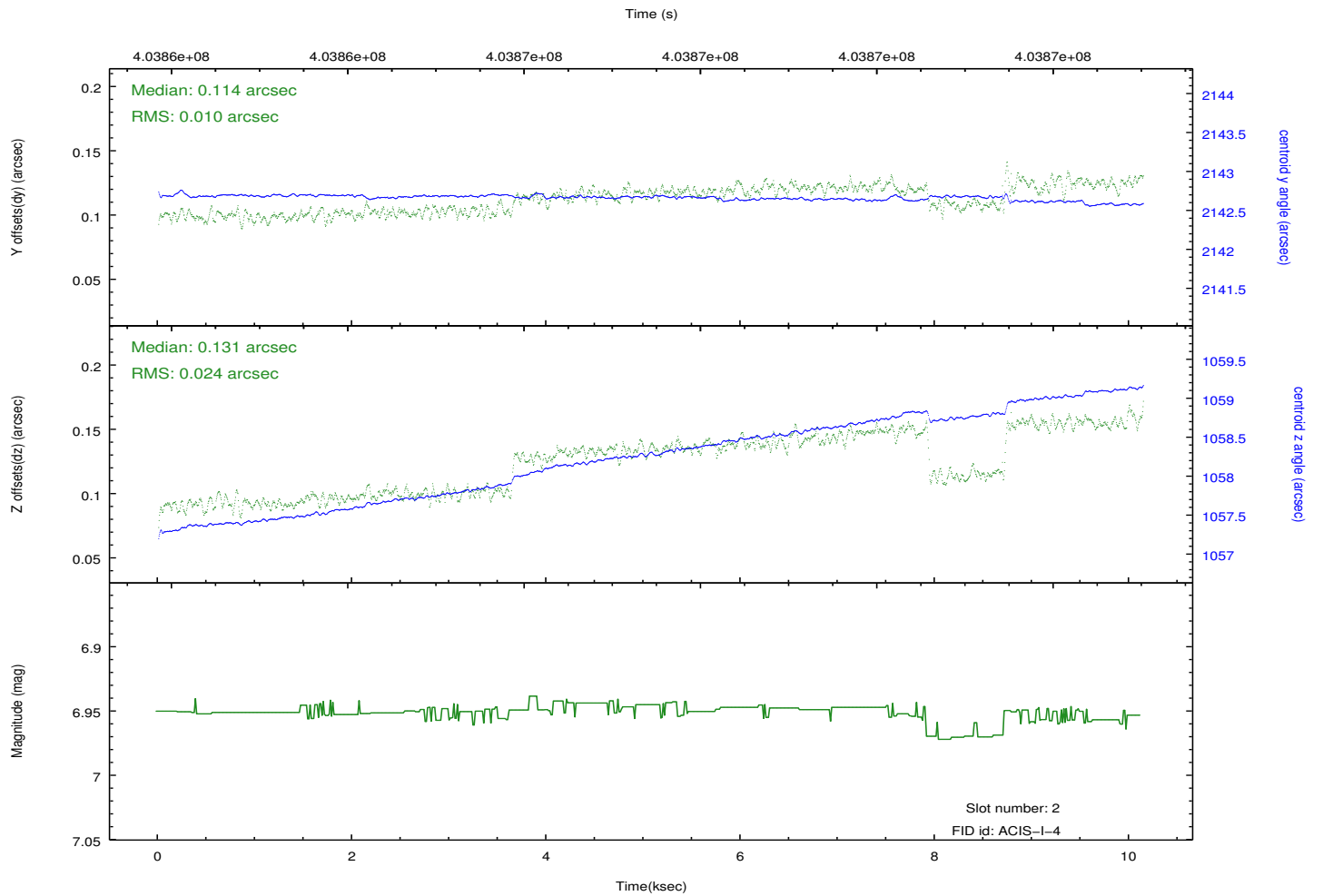
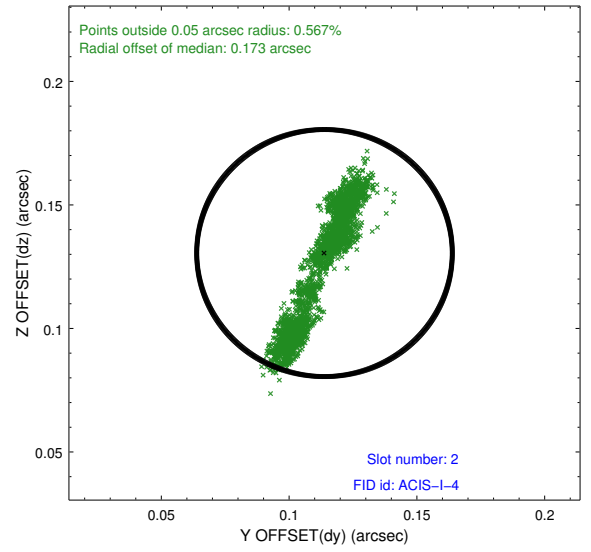
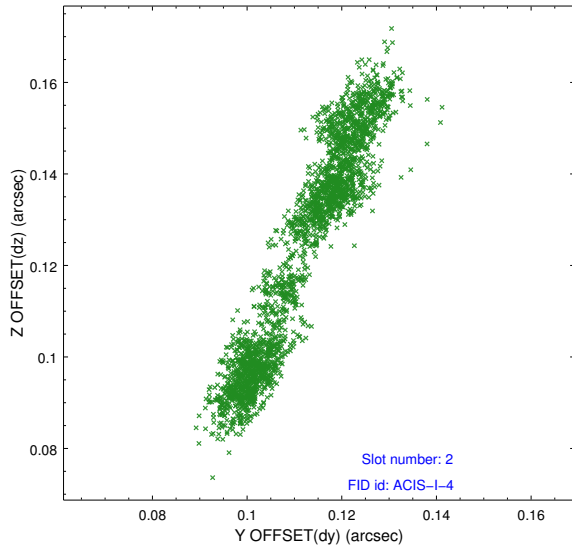
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059500077367

A.2 Comments