

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11639 - L2 Version 2
Chandra X-Ray Center

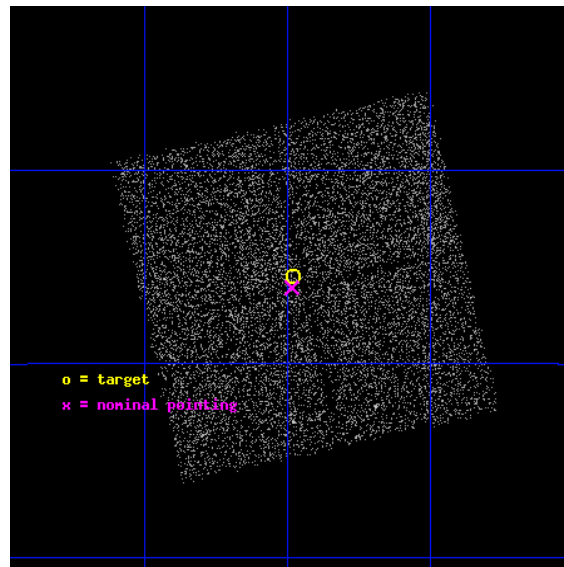
L2 Processing Date : Jun 24 2012

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1 Front

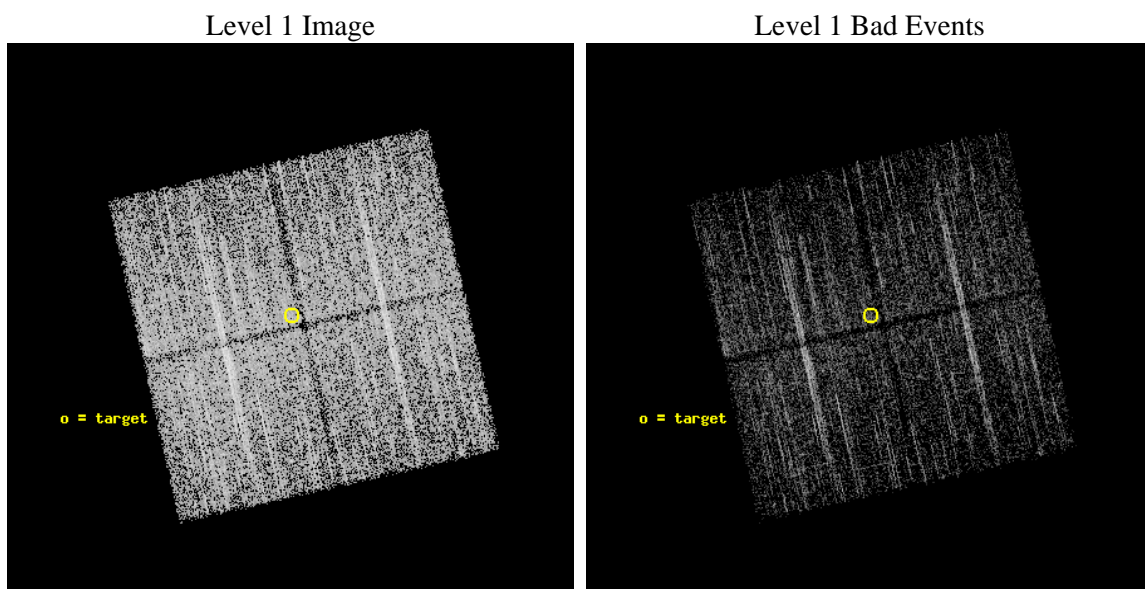
seq_num	702225	Sequence number
obs_id	11639	Observation id
title	AGN ignition in the galaxy group environment	Proposal title
observer	Dr. John Silverman	Principal investigator
object	2PIGG_m1441	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.495	Observer's specified target RA [deg]
dec_targ	-4.424583	Observer's specified target Dec [deg]
ra_nom	169.49617975979	Nominal RA [deg]
dec_nom	-4.4345025038745	Nominal Dec [deg]
roll_nom	257.33145944099	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5173.9000397921	Sum of GTIs [s]
livetime	5106.2992268024	Livetime [s]
ontime0	5173.9000397921	Sum of GTIs [s]
ontime1	5167.6180790663	Sum of GTIs [s]
ontime2	5173.9000397921	Sum of GTIs [s]
ontime3	5173.9000397921	Sum of GTIs [s]
l2events	14191	Number of level 2 events



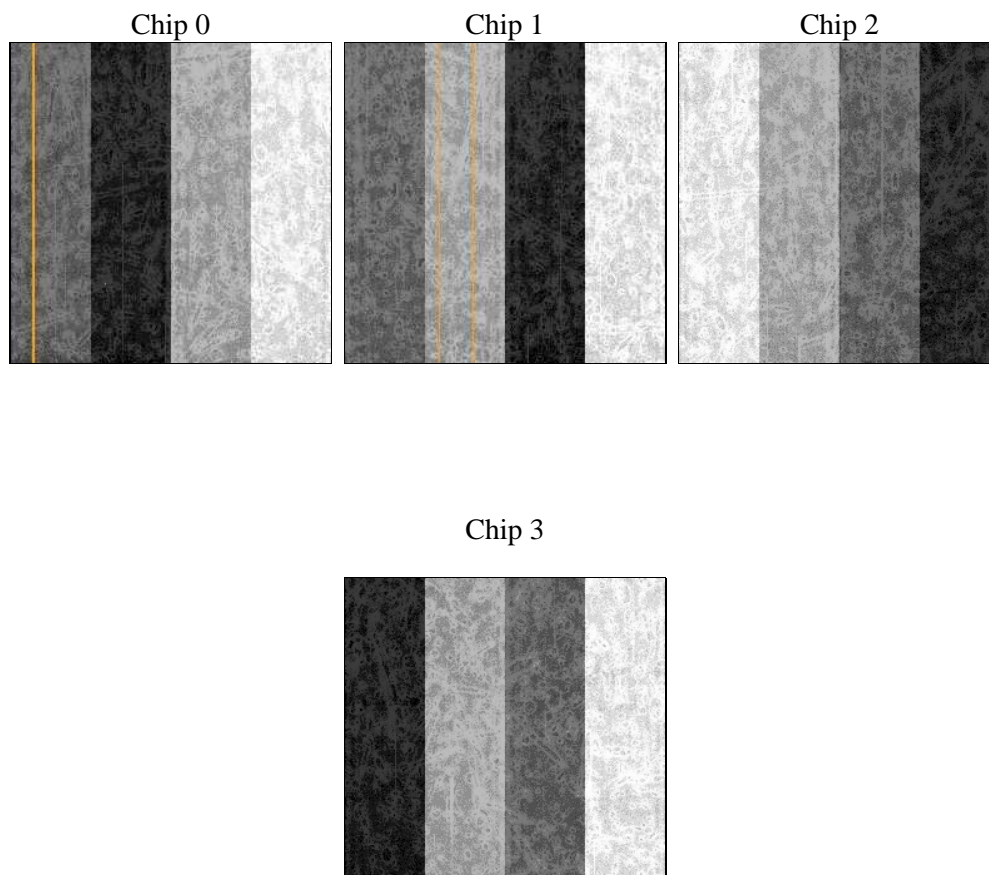
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5173.9000397921	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	5173.9000397921	Sum of GTIs [s]
date	2012-06-24T09:22:34	Date and time of file creation	ontime1	5167.6180790663	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5173.9000397921	Sum of GTIs [s]
			ontime3	5173.9000397921	Sum of GTIs [s]
			l1events	162290	Number of level 1 events

2.1.4 Events

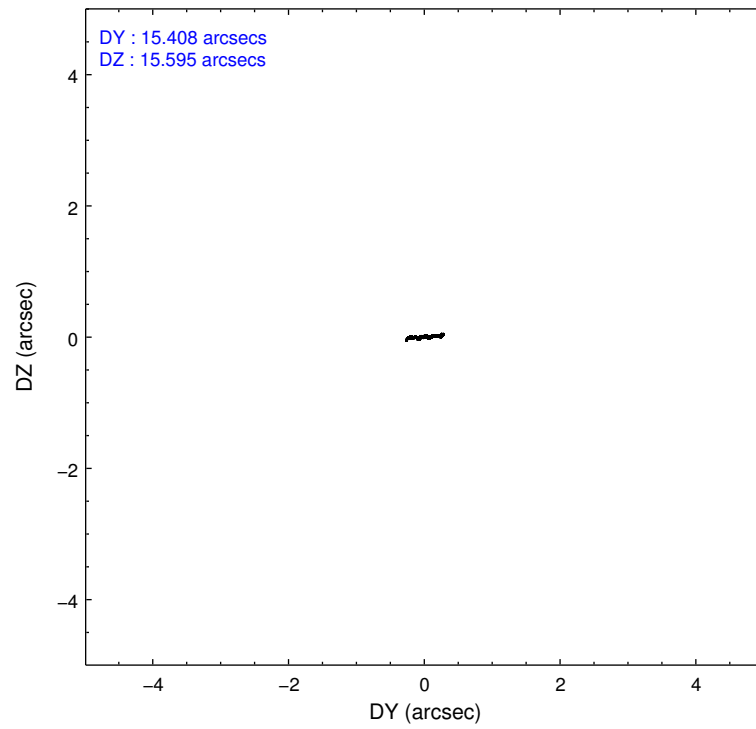
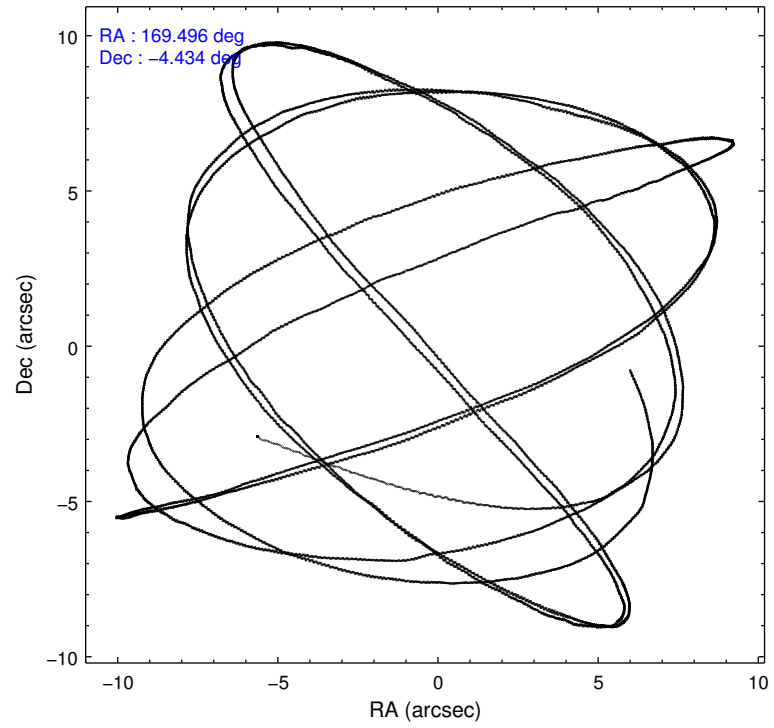
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	37893	39895	42944	41558
rejected events	33690	35216	38646	37538
rejected %	88%	88%	89%	90%

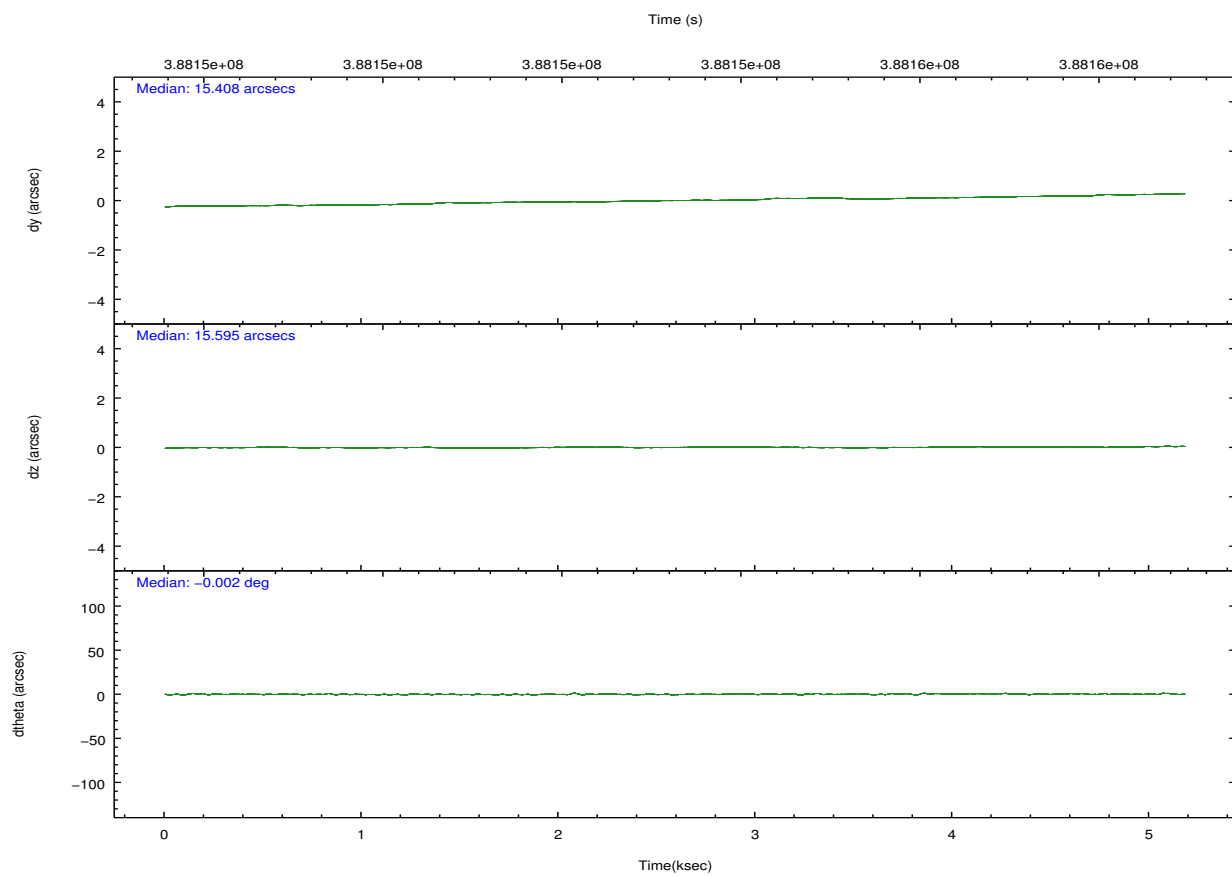
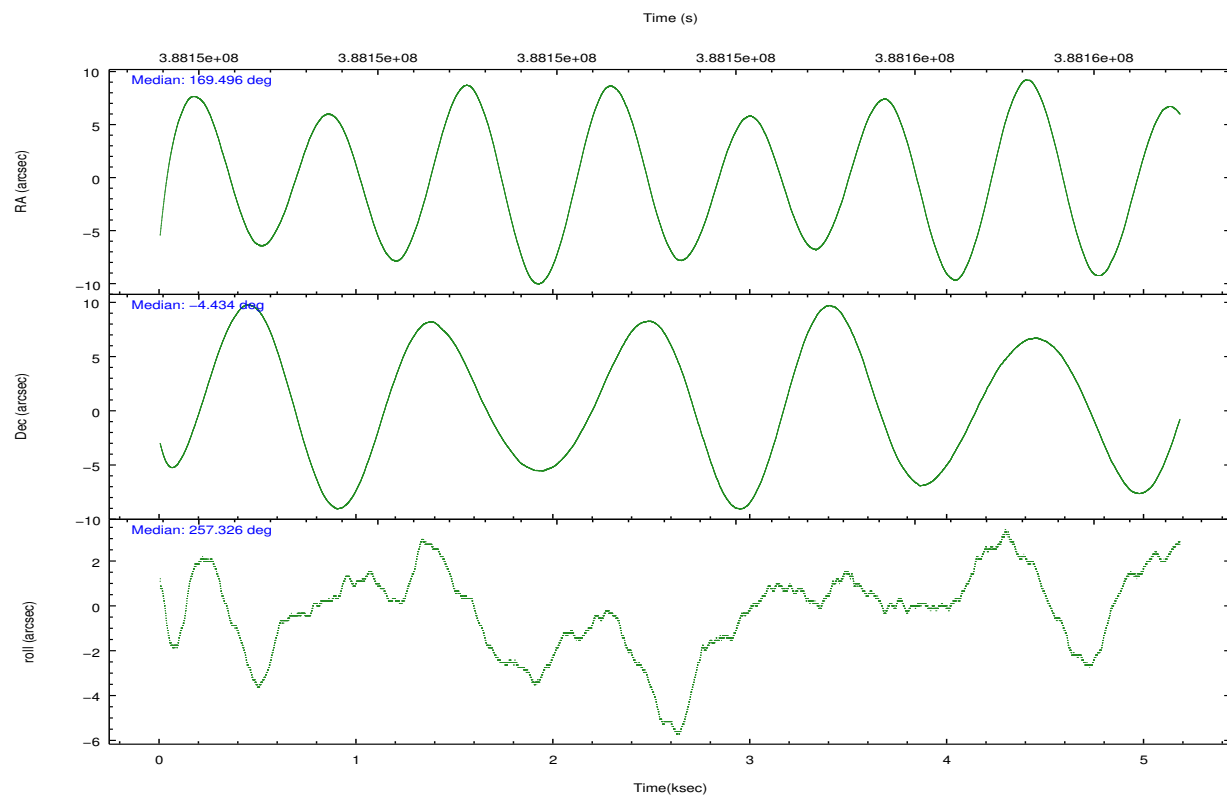
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1548	1759	1686	1599
	4%	4%	3%	3%
grade 1 events	17	22	21	27
	0%	0%	0%	0%
grade 2 events	1130	1227	1128	966
	2%	3%	2%	2%
grade 3 events	498	532	506	460
	1%	1%	1%	1%
grade 4 events	476	480	471	466
	1%	1%	1%	1%
grade 5 events	1684	1753	1653	1925
	4%	4%	3%	4%
grade 6 events	890	1082	871	897
	2%	2%	2%	2%
grade 7 events	31650	33040	36608	35218
	83%	82%	85%	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	169.487774	169.4961797597885	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.408239	-4.434502503874508	Alternating exposures requested	N	N
[deg] Pointing Roll	257.122115	257.3314594409934	[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)	388151225.184000	388150080.07883			
Observation start date	2010-04-20T11:45:59	2010-04-20T11:28:00			
[s] Observation end time (MET)	388156225.184000	388156852.25417			
Observation end date	2010-04-20T13:09:19	2010-04-20T13:20:52			
Read mode	TIMED	TIMED			

2.3 Aspect



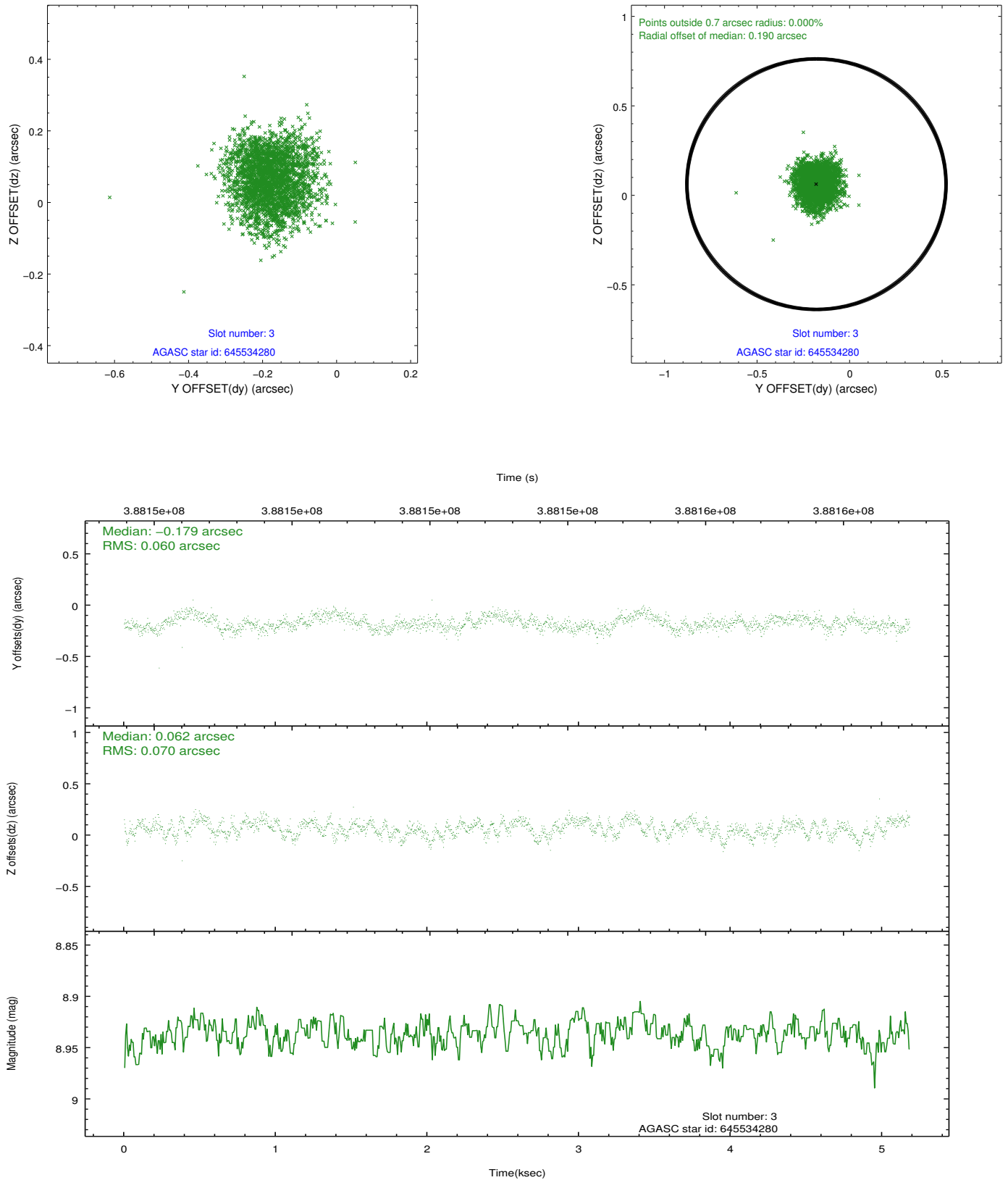


Slot Statistics

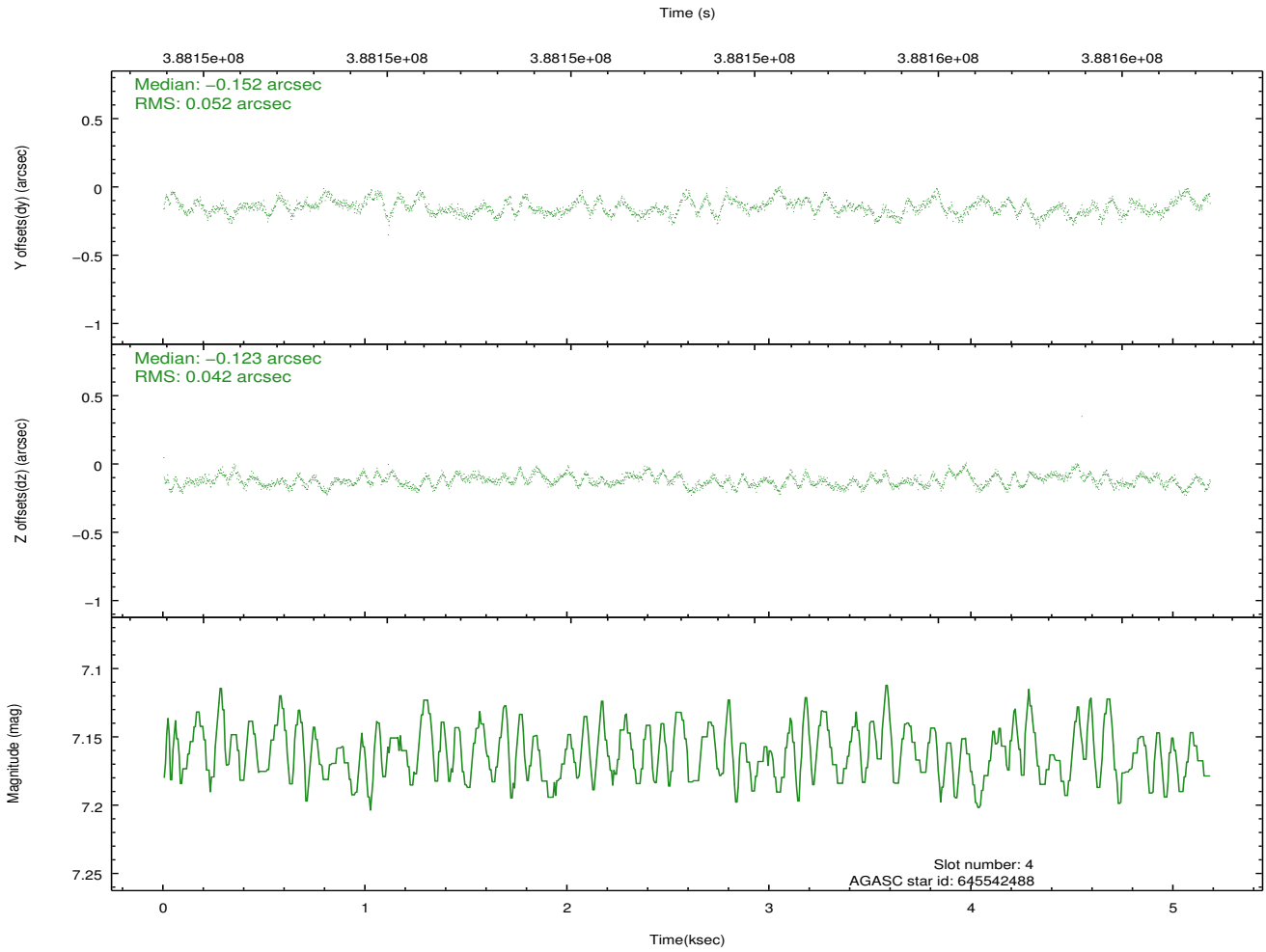
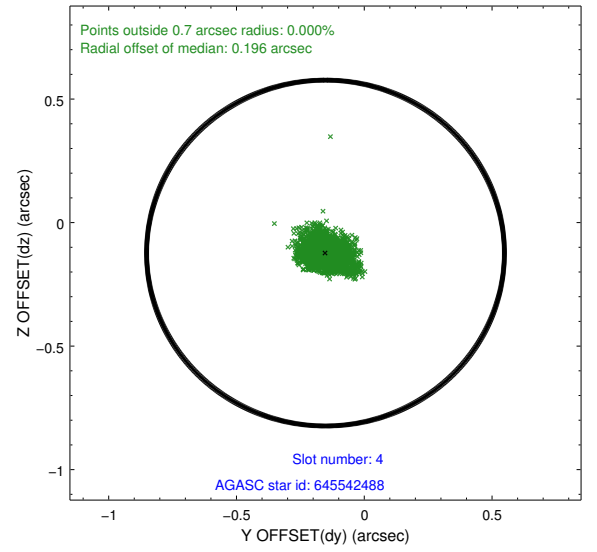
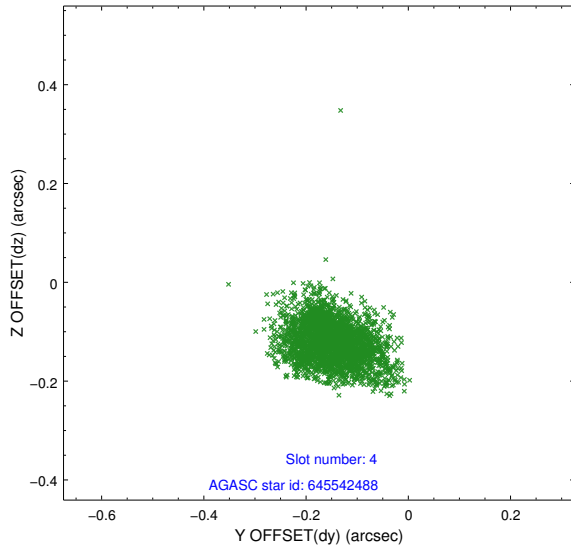
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	1264	0.040	-0.022	0.007	0.015	0.000000	0.000000	924.08	-839.23
1	FID	ACIS-I-5	7.03	1264	-0.211	0.042	0.006	0.013	0.000000	0.000000	-1823.63	1057.73
2	FID	ACIS-I-6	7.04	1264	0.080	0.051	0.007	0.012	0.000000	0.000000	388.39	1703.57
3	GUIDE	645534280	8.94	2524	-0.179	0.062	0.099	0.152	169.069584	-3.761643	-1933.27	-1985.28
4	GUIDE	645542488	7.16	2528	-0.152	-0.123	0.069	0.116	169.151898	-3.966784	-1280.66	-1530.79
5	GUIDE	645539896	8.47	2460	-0.037	-0.013	0.084	0.130	169.185928	-3.942919	-1391.48	-1430.73
6	GUIDE	645664968	9.02	2525	-0.149	0.086	0.092	0.148	170.256177	-3.996464	-2059.62	2359.07
7	GUIDE	645541136	9.77	2525	0.515	-0.006	0.143	0.230	169.118227	-4.999081	2369.29	-816.71

2.4 Star Slots

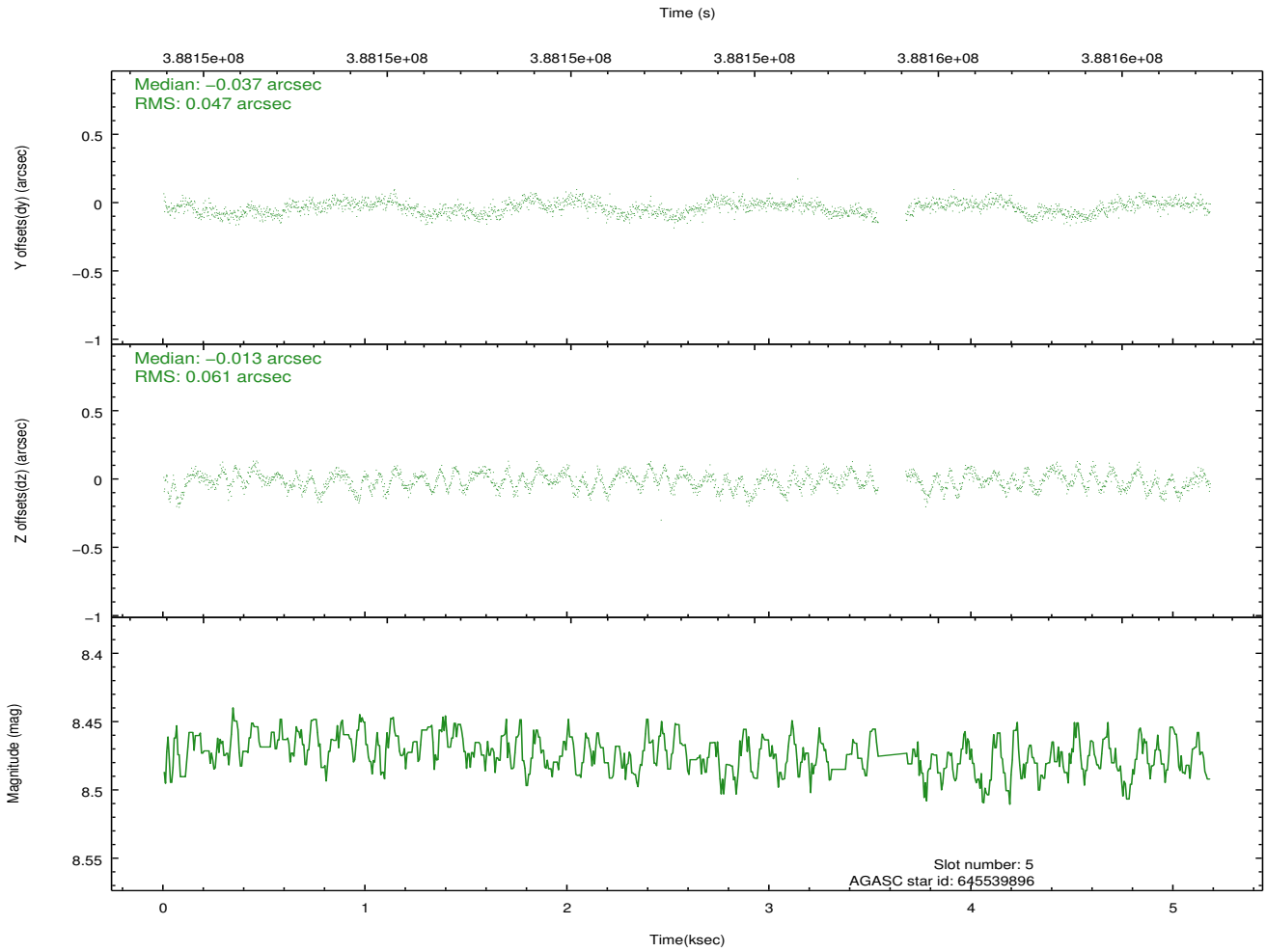
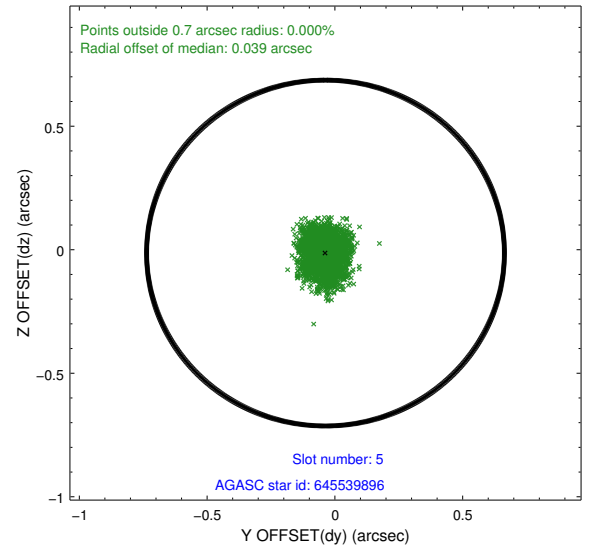
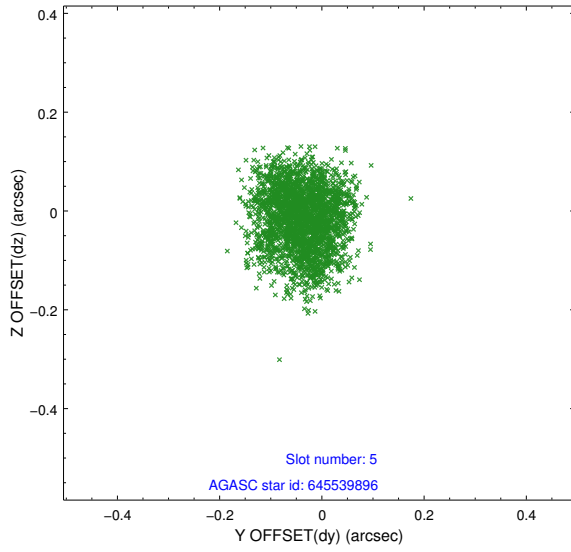
2.4.1 Slot 3



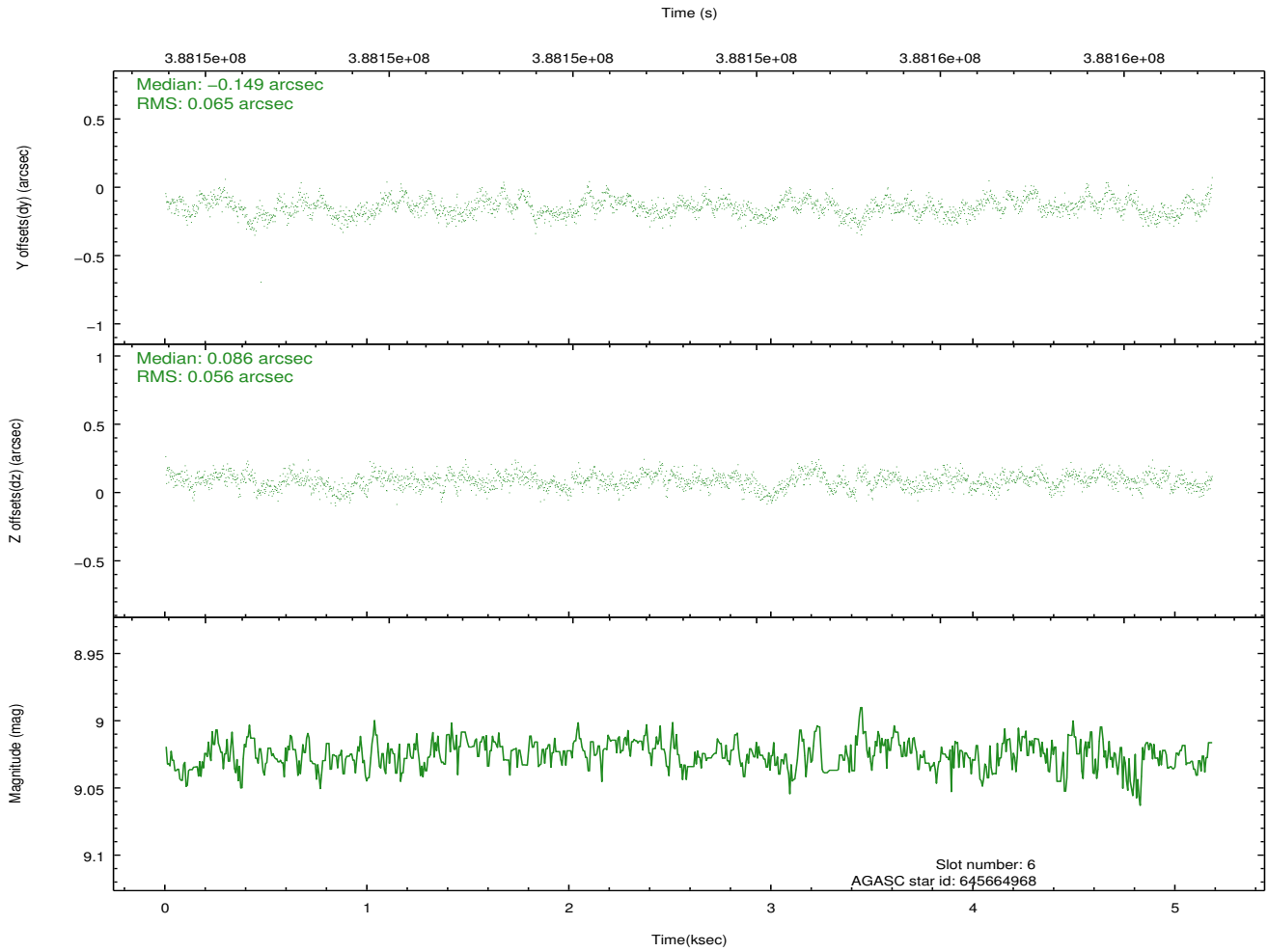
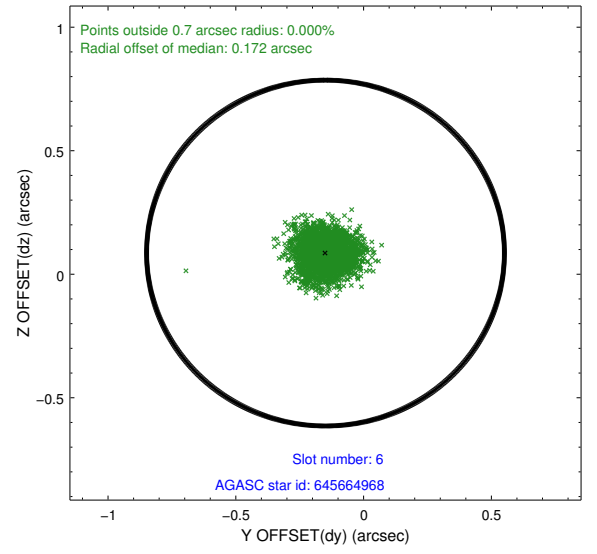
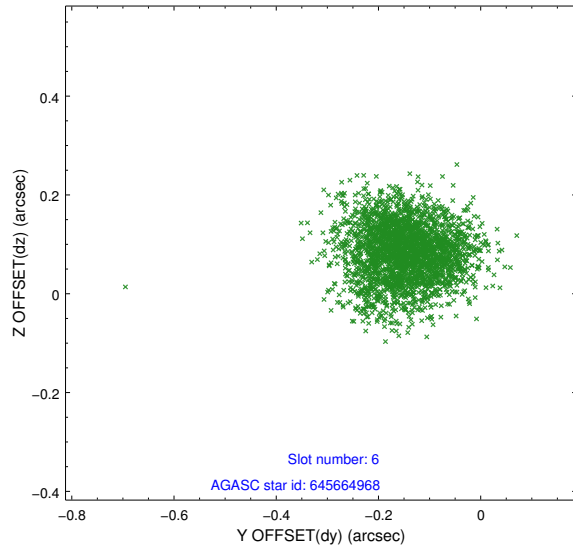
2.4.2 Slot 4



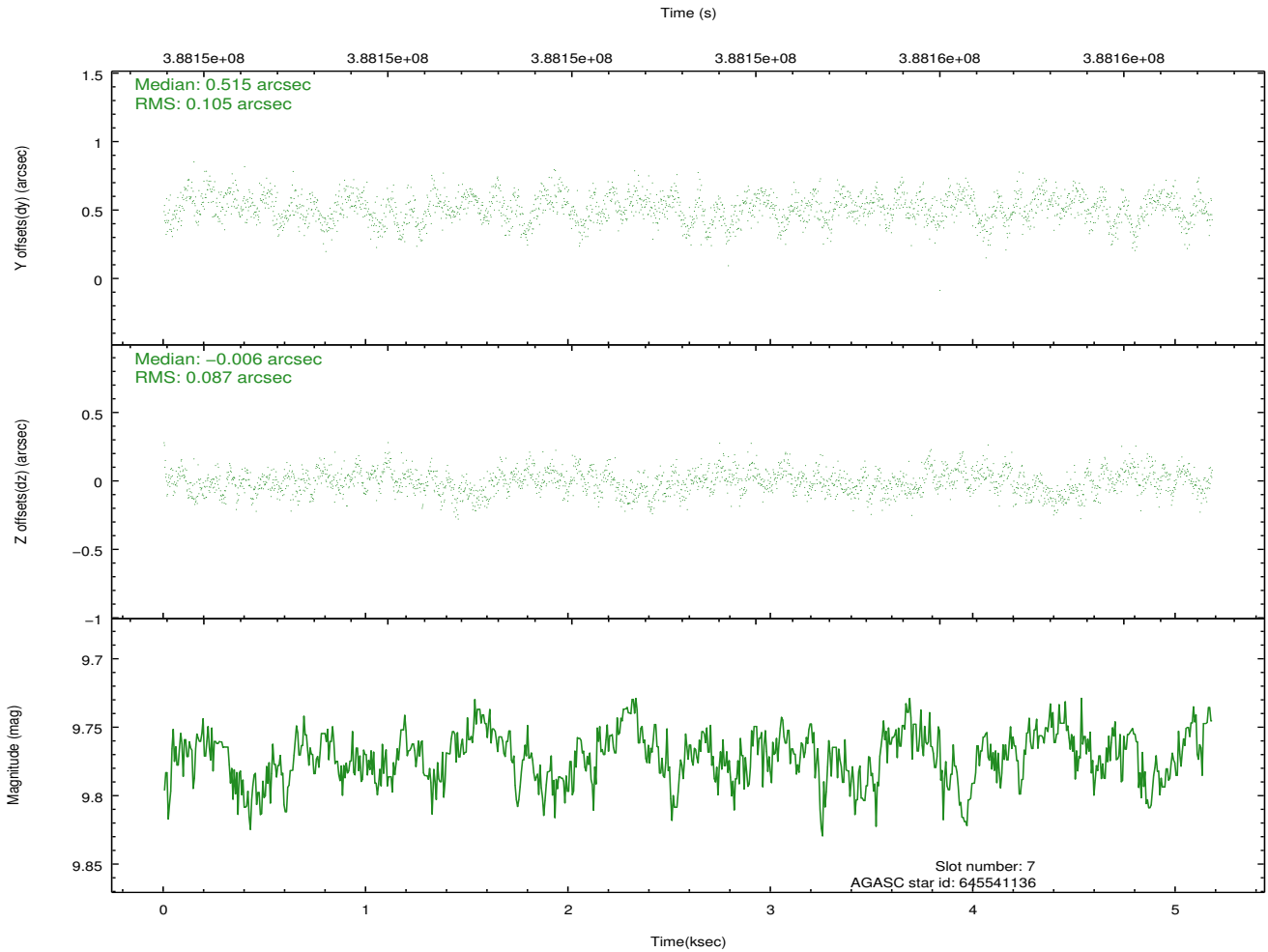
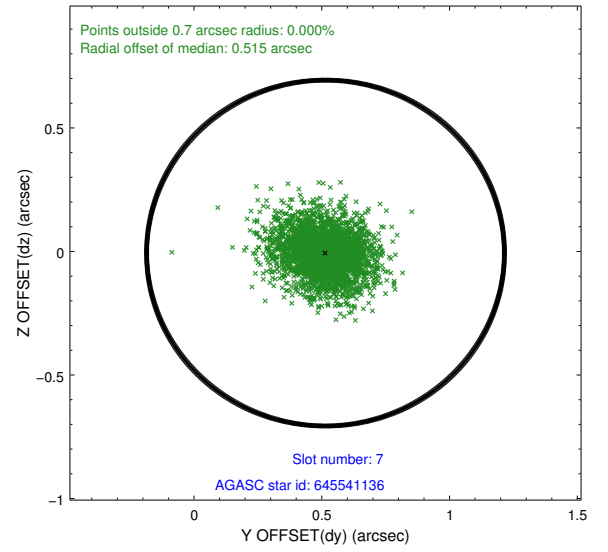
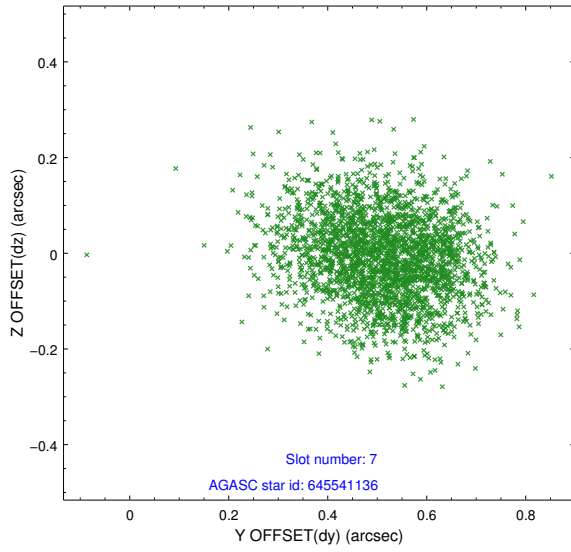
2.4.3 Slot 5



2.4.4 Slot 6

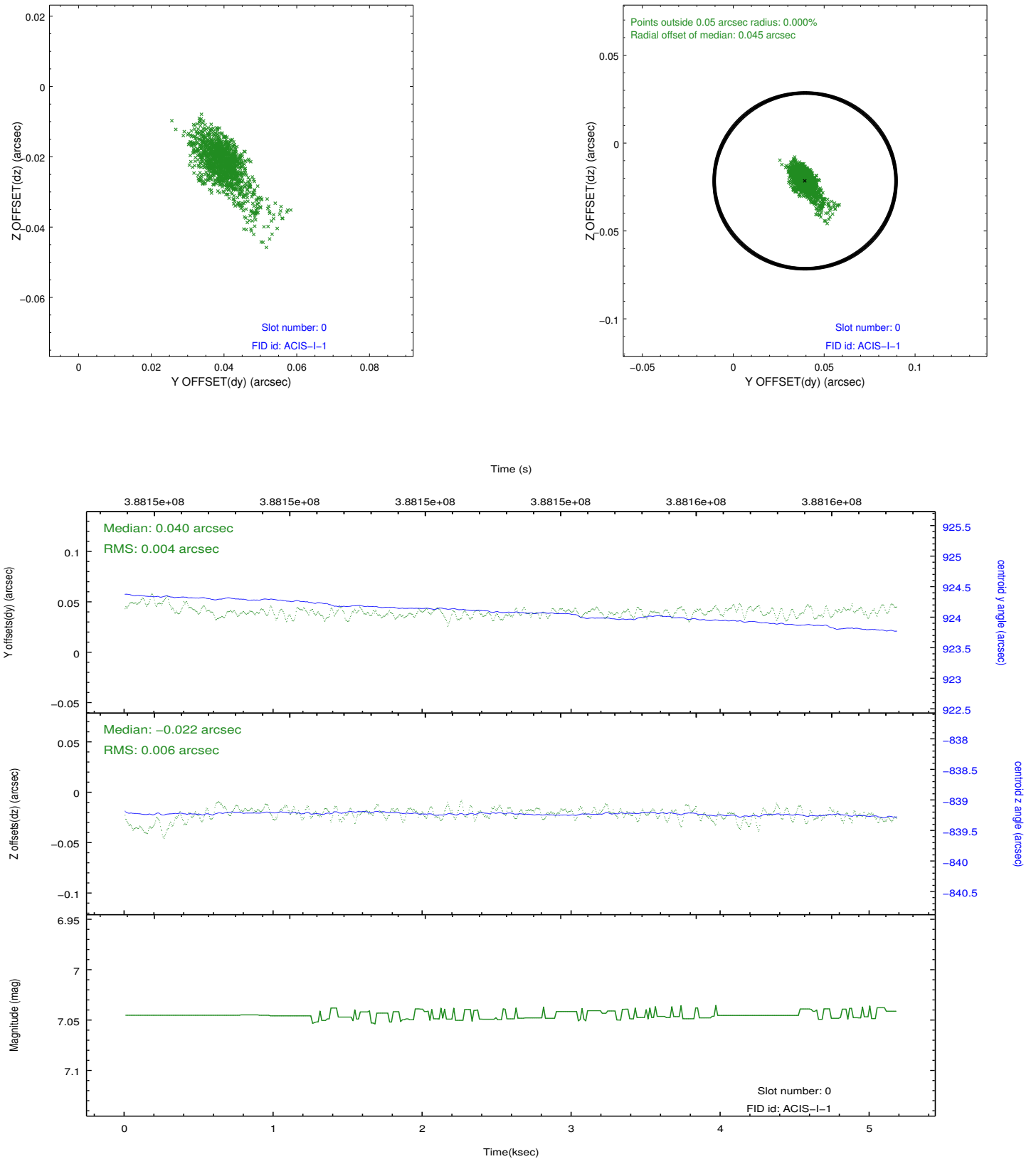


2.4.5 Slot 7

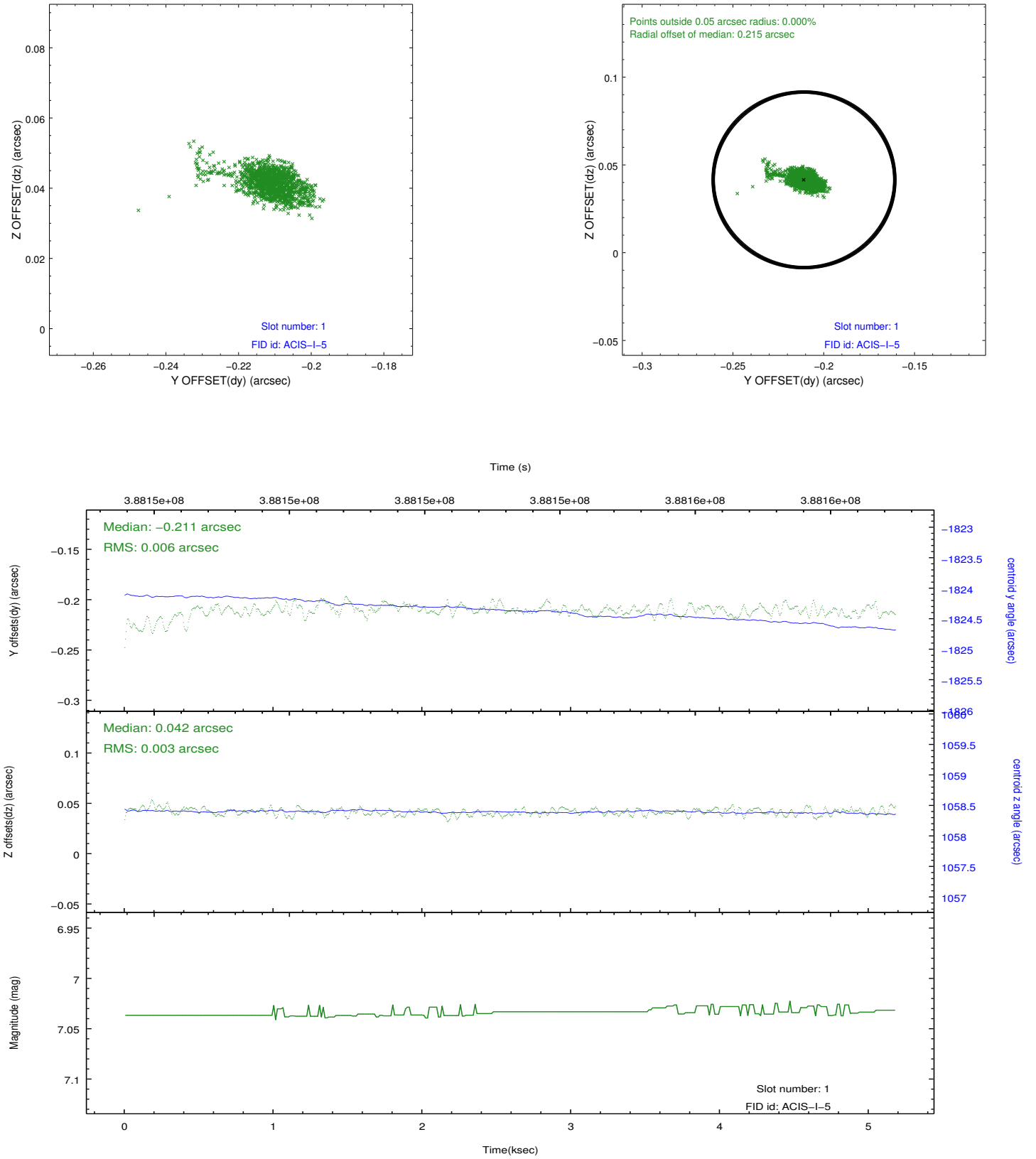


2.5 FID Slots

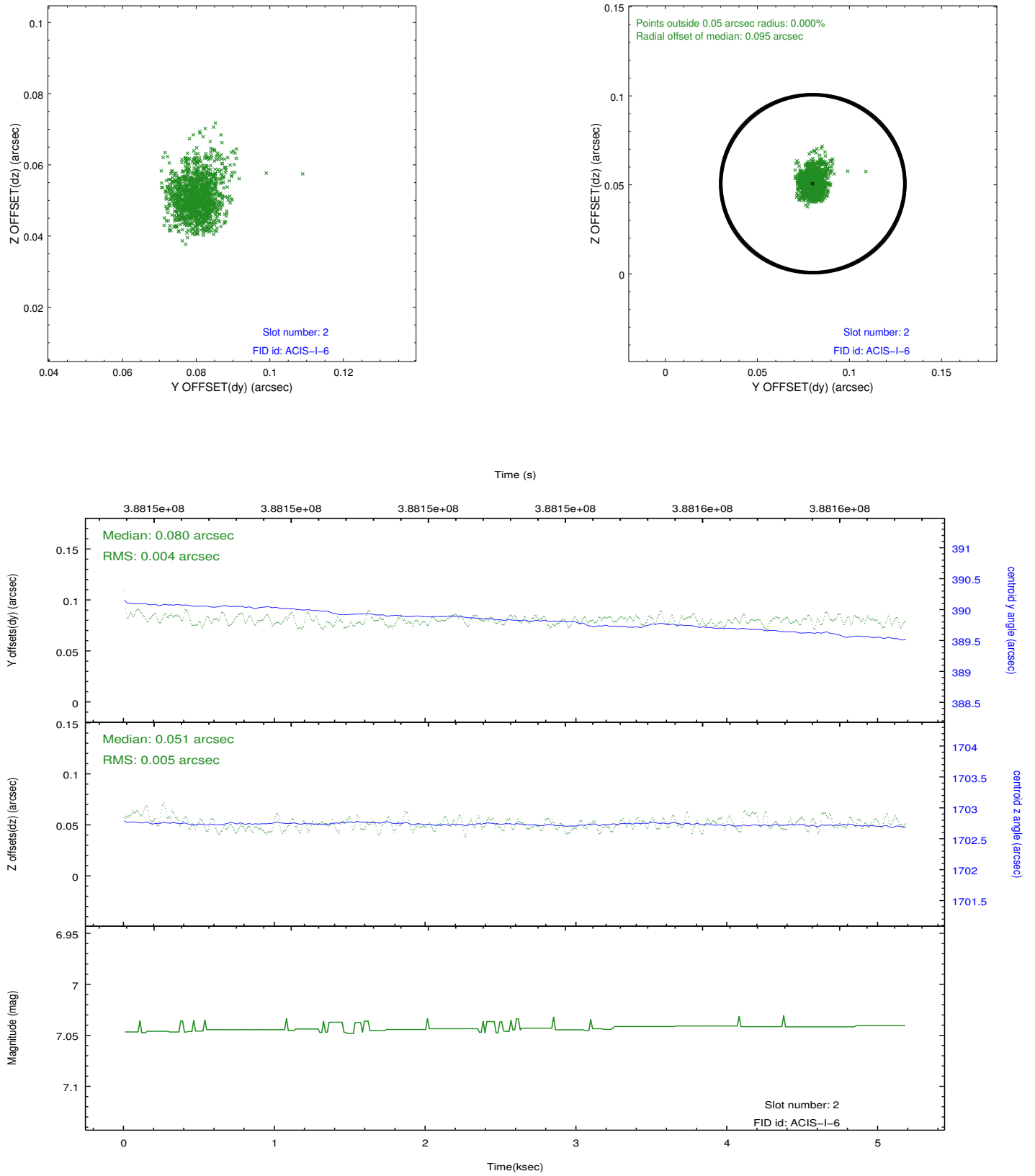
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1739000397921

A.2 Comments