

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13873 - L2 Version 2
Chandra X-Ray Center

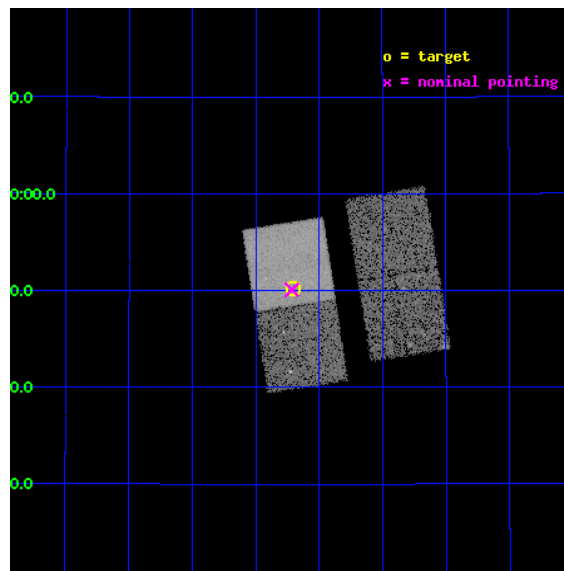
L2 Processing Date : Feb 27 2012

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1 Front

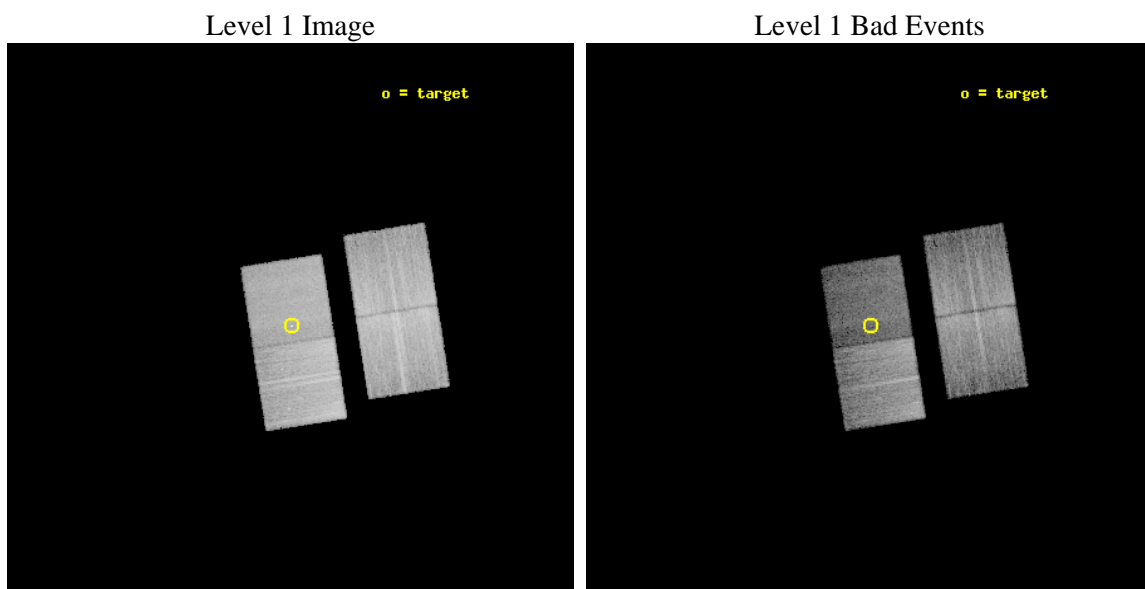
seq_num	702598	Sequence number
obs_id	13873	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c67	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	36.05125	Observer's specified target RA [deg]
dec_targ	27.836667	Observer's specified target Dec [deg]
ra_nom	36.053832724557	Nominal RA [deg]
dec_nom	27.83470261678	Nominal Dec [deg]
roll_nom	261.03403693948	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12049.700092673	Sum of GTIs [s]
livetime	11892.261890102	Livetime [s]
ontime2	12043.418072224	Sum of GTIs [s]
ontime3	12049.700092673	Sum of GTIs [s]
ontime6	12046.55911231	Sum of GTIs [s]
ontime7	12049.700092673	Sum of GTIs [s]
l2events	77505	Number of level 2 events



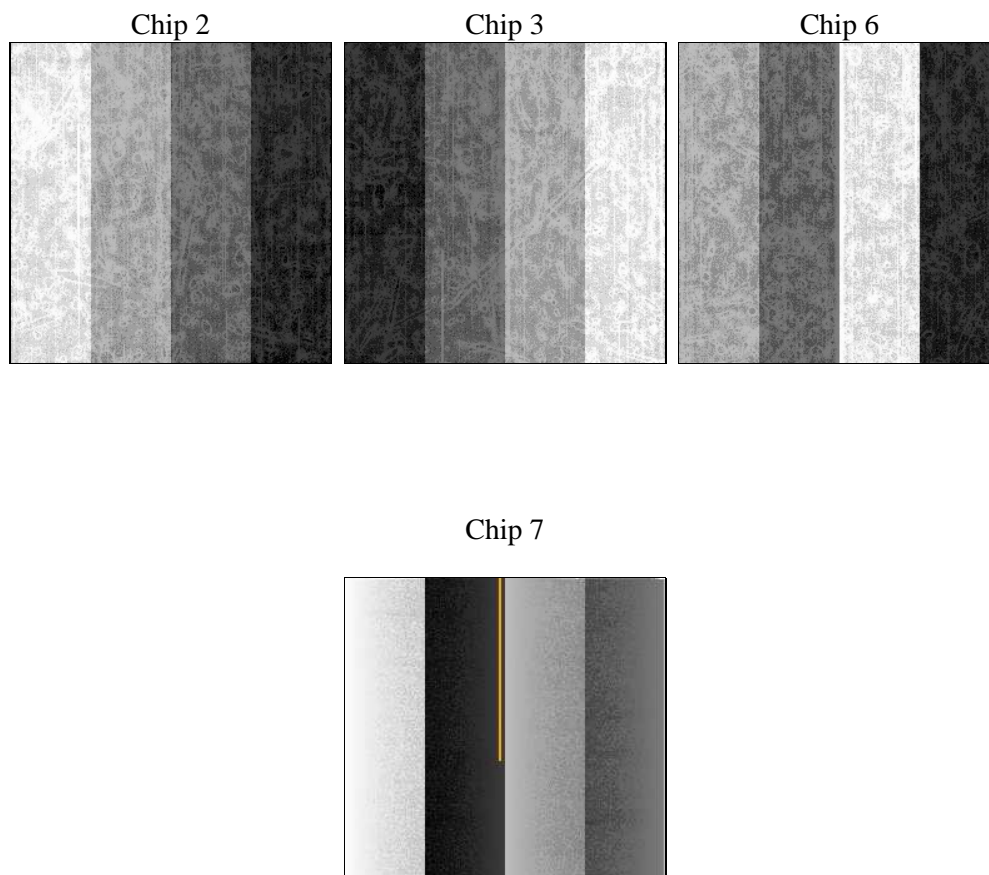
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	12049.700092673	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	12043.418072224	Sum of GTIs [s]
date	2012-02-27T12:48:27	Date and time of file creation	ontime3	12049.700092673	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	12046.55911231	Sum of GTIs [s]
			ontime7	12049.700092673	Sum of GTIs [s]
			l1events	534304	Number of level 1 events

2.1.4 Events

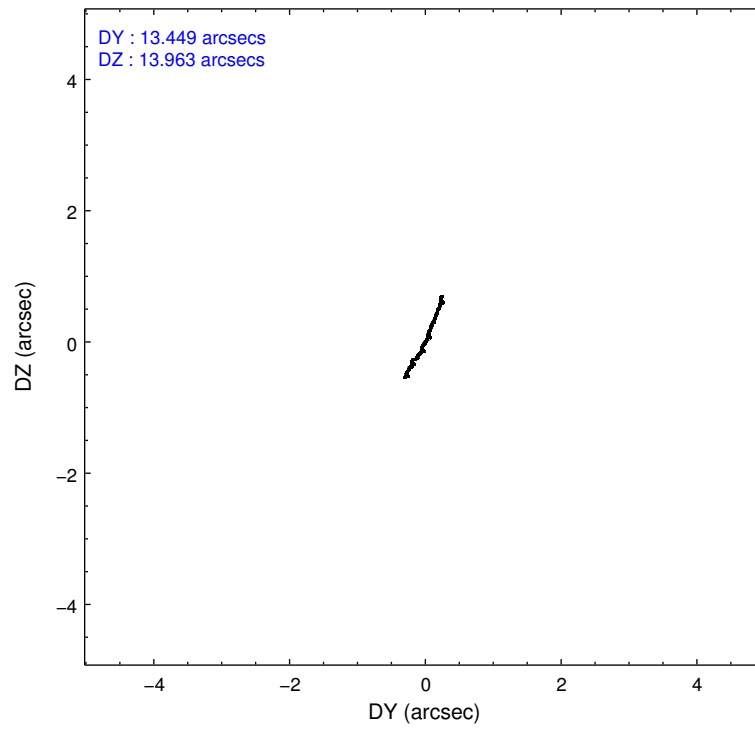
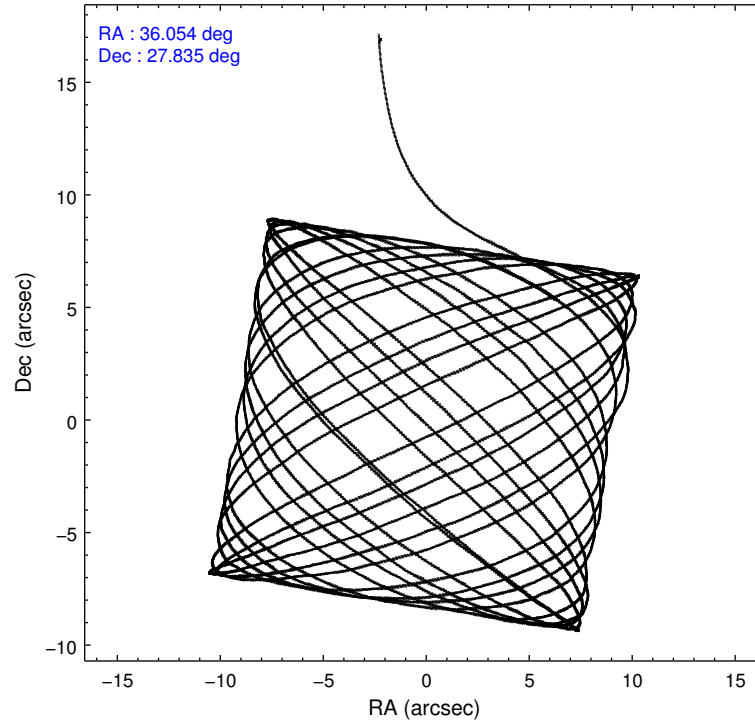
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	144682	125896	149121	114605
rejected events	124363	116869	132491	61446
rejected %	85%	92%	88%	53%

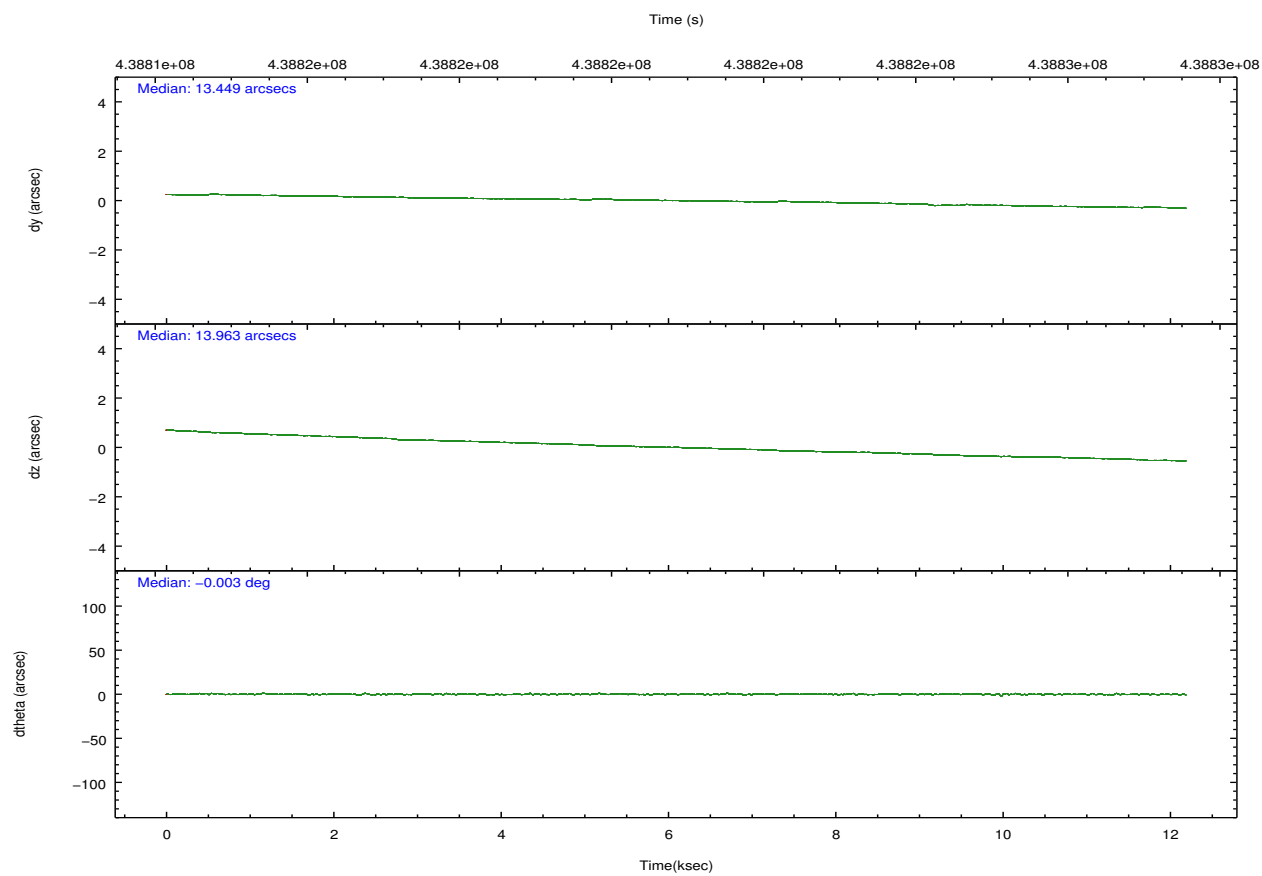
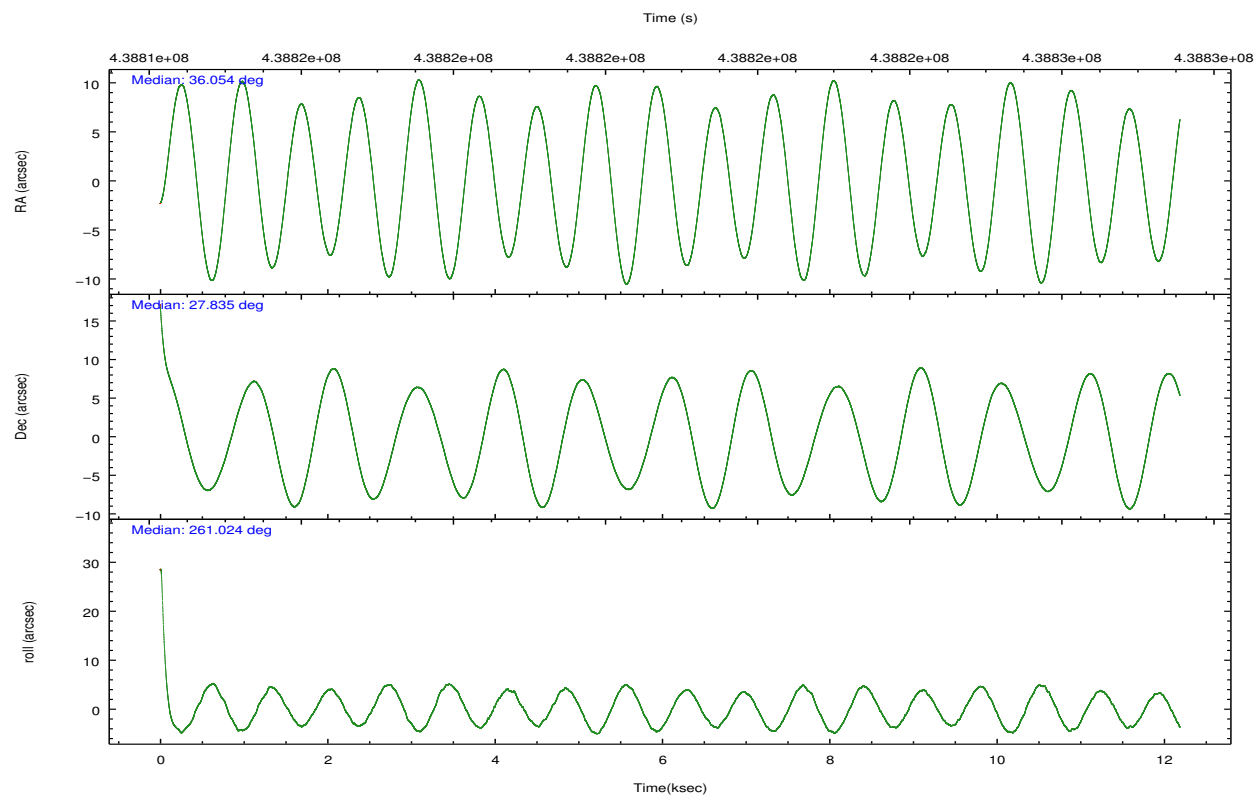
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	8871	3193	7482	5659
	6%	2%	5%	4%
grade 1 events	116	49	86	281
	0%	0%	0%	0%
grade 2 events	6129	2477	5072	13493
	4%	1%	3%	11%
grade 3 events	894	881	941	4951
	0%	0%	0%	4%
grade 4 events	2015	831	980	4774
	1%	0%	0%	4%
grade 5 events	3194	3573	3573	11034
	2%	2%	2%	9%
grade 6 events	2412	1646	2158	24300
	1%	1%	1%	21%
grade 7 events	121051	113246	128829	50113
	83%	89%	86%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	36.042323	36.05383272455706	CCD I2 on	O1	Y
[deg] Pointing Dec	27.860046	27.83470261677977	CCD I3 on	O2	Y
[deg] Pointing Roll	260.882748	261.0340369394771	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	438814937.184000	438813882.05269	CCD S5 on	N	N
Observation start date	2011-11-27T21:01:11	2011-11-27T20:44:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	438826937.184000	438827537.10341	On-chip summing requested	N	N
Observation end date	2011-11-28T00:21:11	2011-11-28T00:32:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



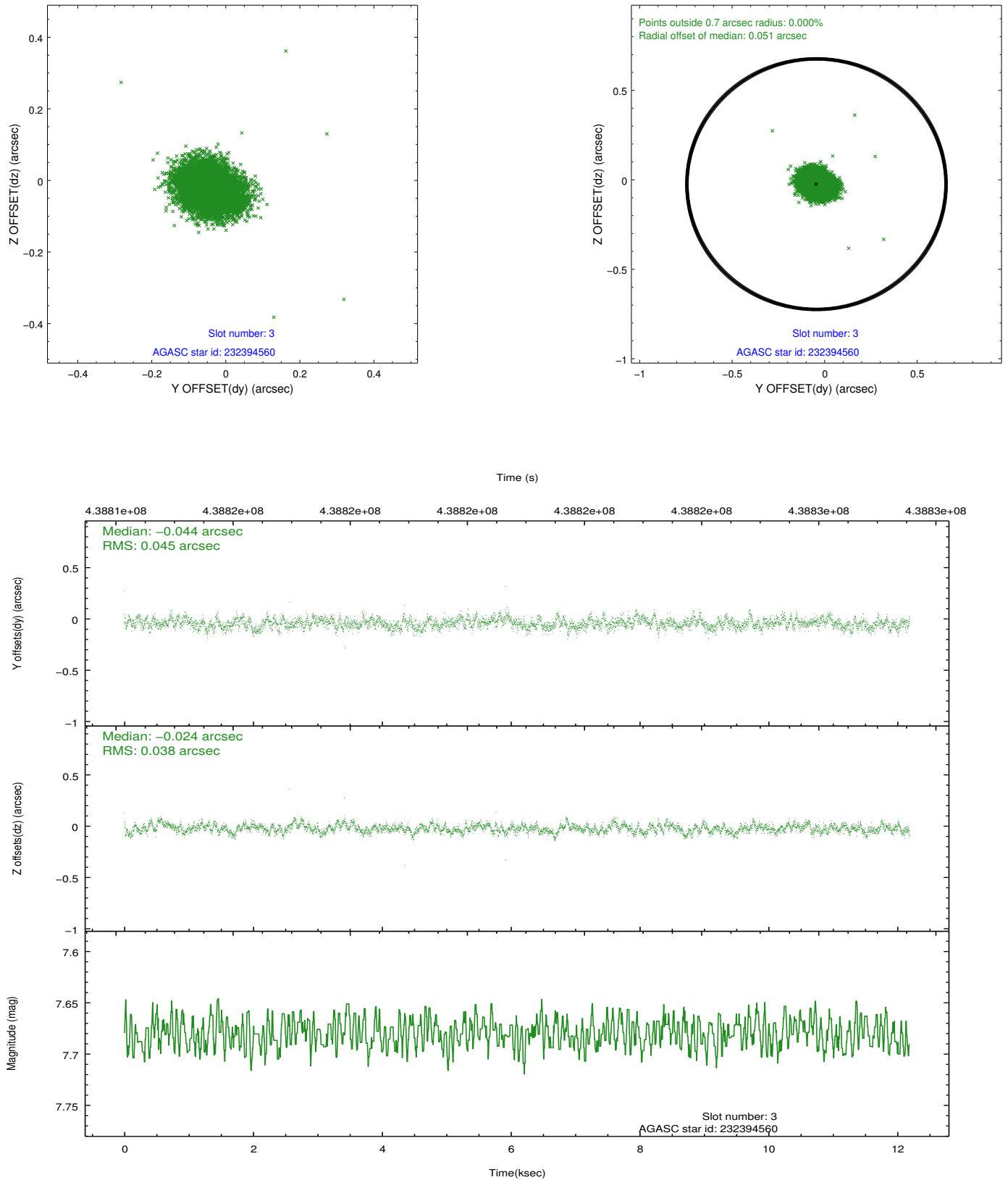


Slot Statistics

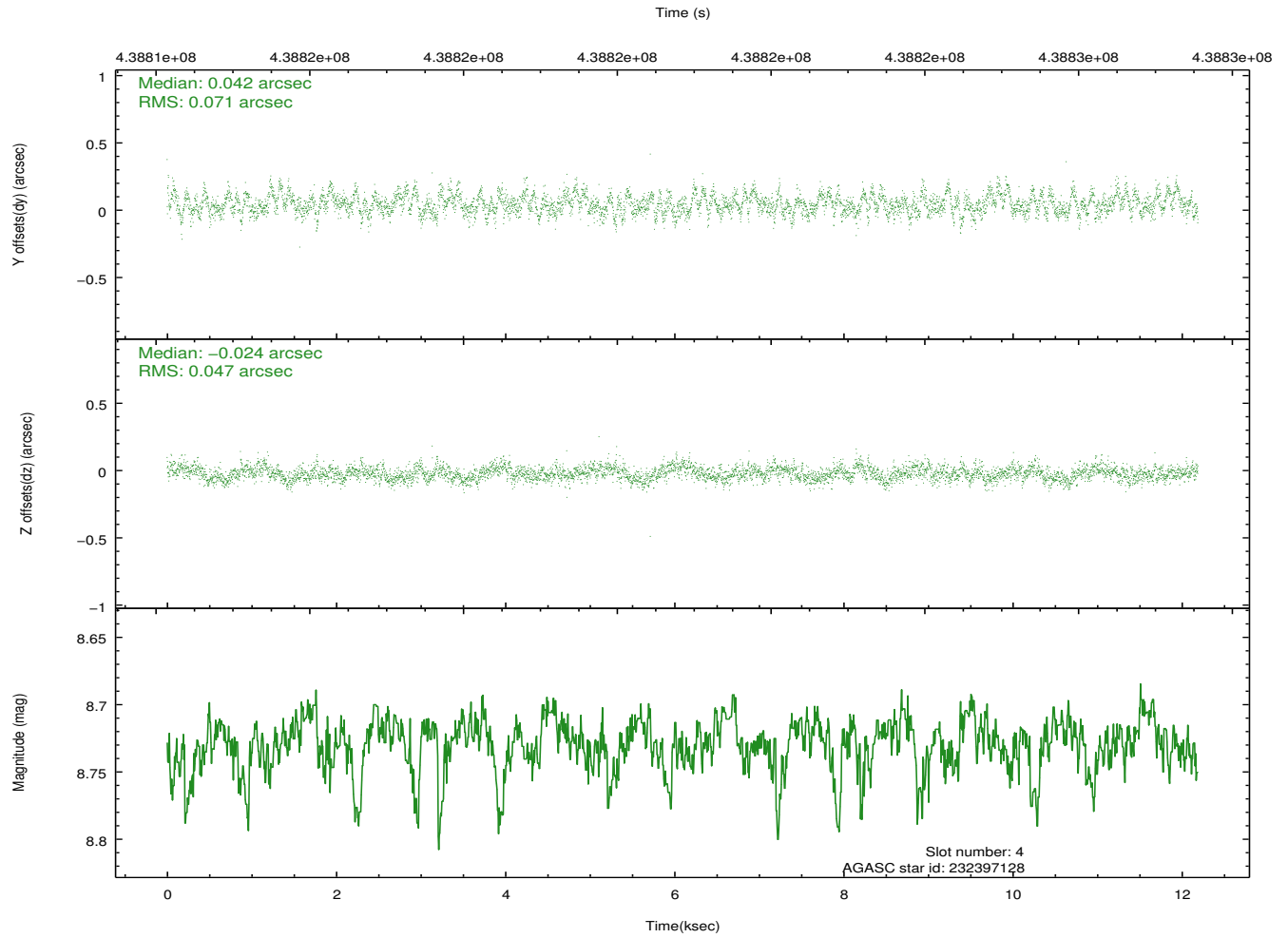
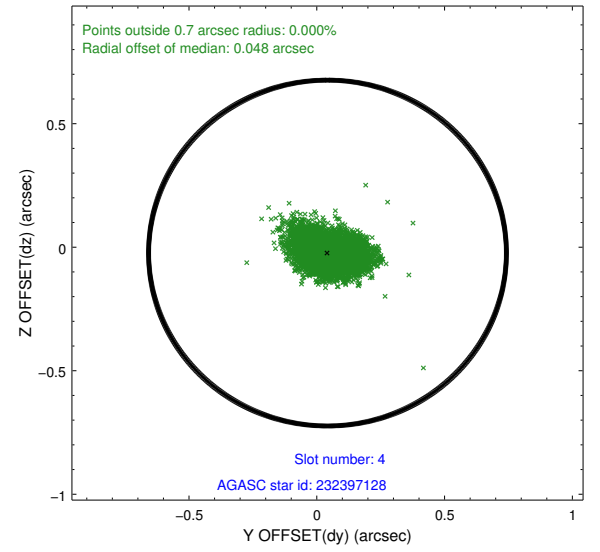
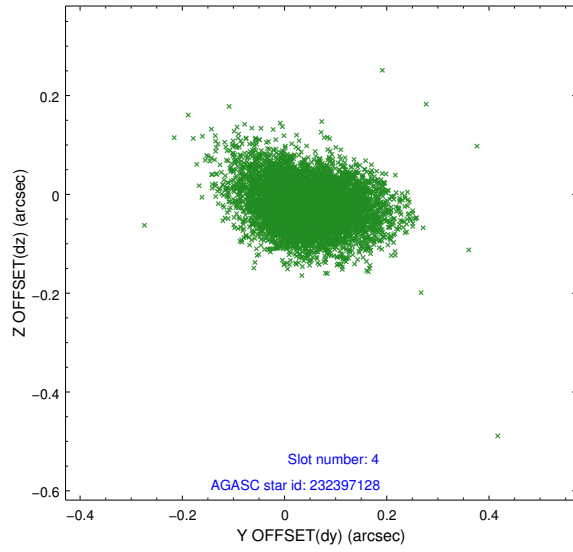
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2974	-0.105	-0.067	0.016	0.026	0.000000	0.000000	-766.49	-1735.39
1	FID	ACIS-S-4	7.00	2974	0.151	0.042	0.013	0.021	0.000000	0.000000	2146.88	172.73
2	FID	ACIS-S-6	7.13	2974	-0.074	0.032	0.008	0.014	0.000000	0.000000	396.08	810.61
3	GUIDE	232394560	7.68	5947	-0.044	-0.024	0.063	0.101	35.528972	27.603868	1167.97	-1471.98
4	GUIDE	232397128	8.73	5943	0.042	-0.024	0.088	0.150	35.294451	27.400094	2008.42	-2099.30
5	GUIDE	232398992	7.46	5947	0.068	-0.045	0.076	0.142	35.235311	27.359789	2180.17	-2263.24
6	GUIDE	232524184	8.05	5946	-0.050	-0.020	0.063	0.102	36.673123	28.048850	-993.26	1869.79
7	GUIDE	233053448	8.05	5945	-0.013	0.108	0.082	0.127	35.830809	28.141544	-894.32	-822.93

2.4 Star Slots

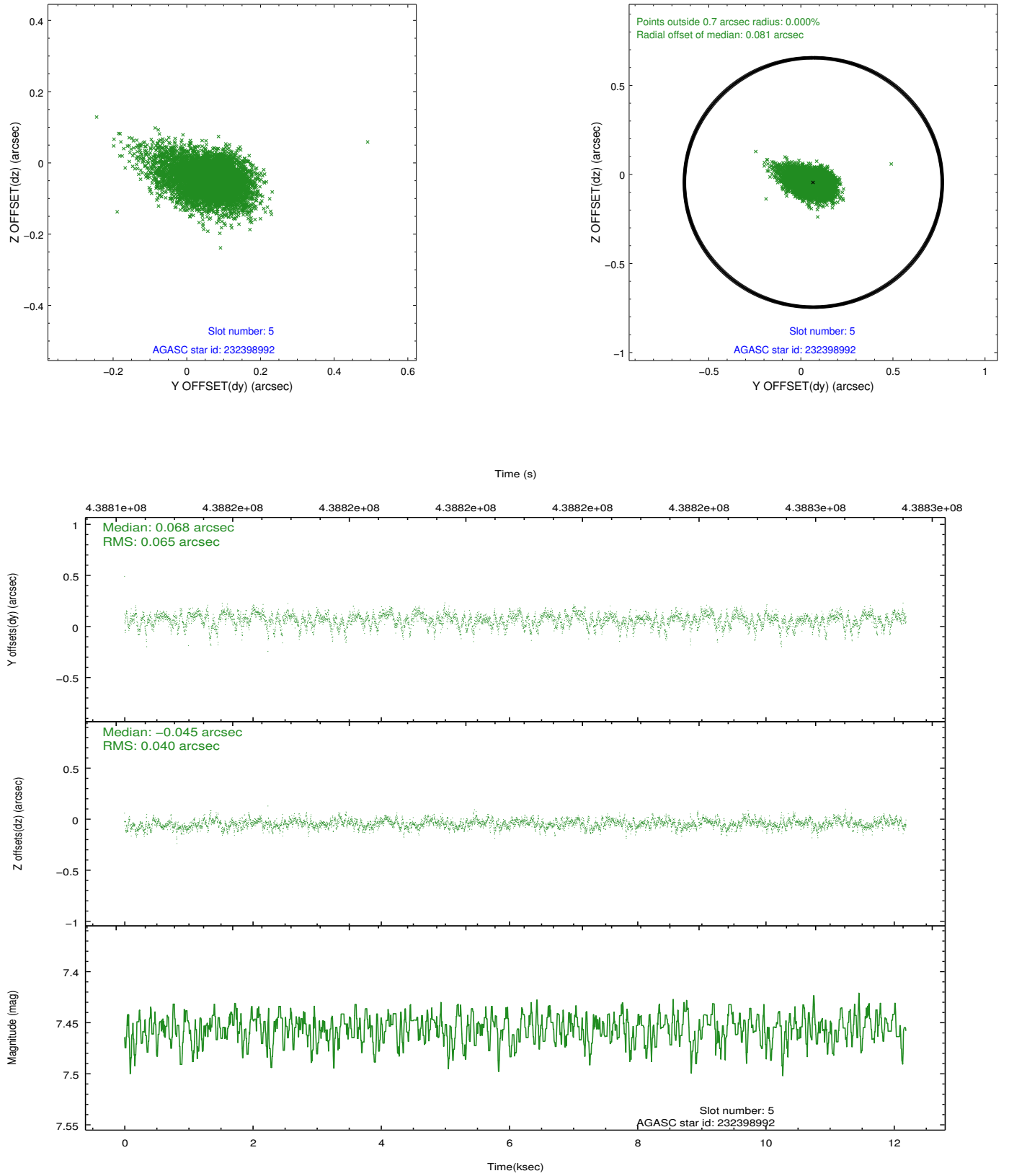
2.4.1 Slot 3



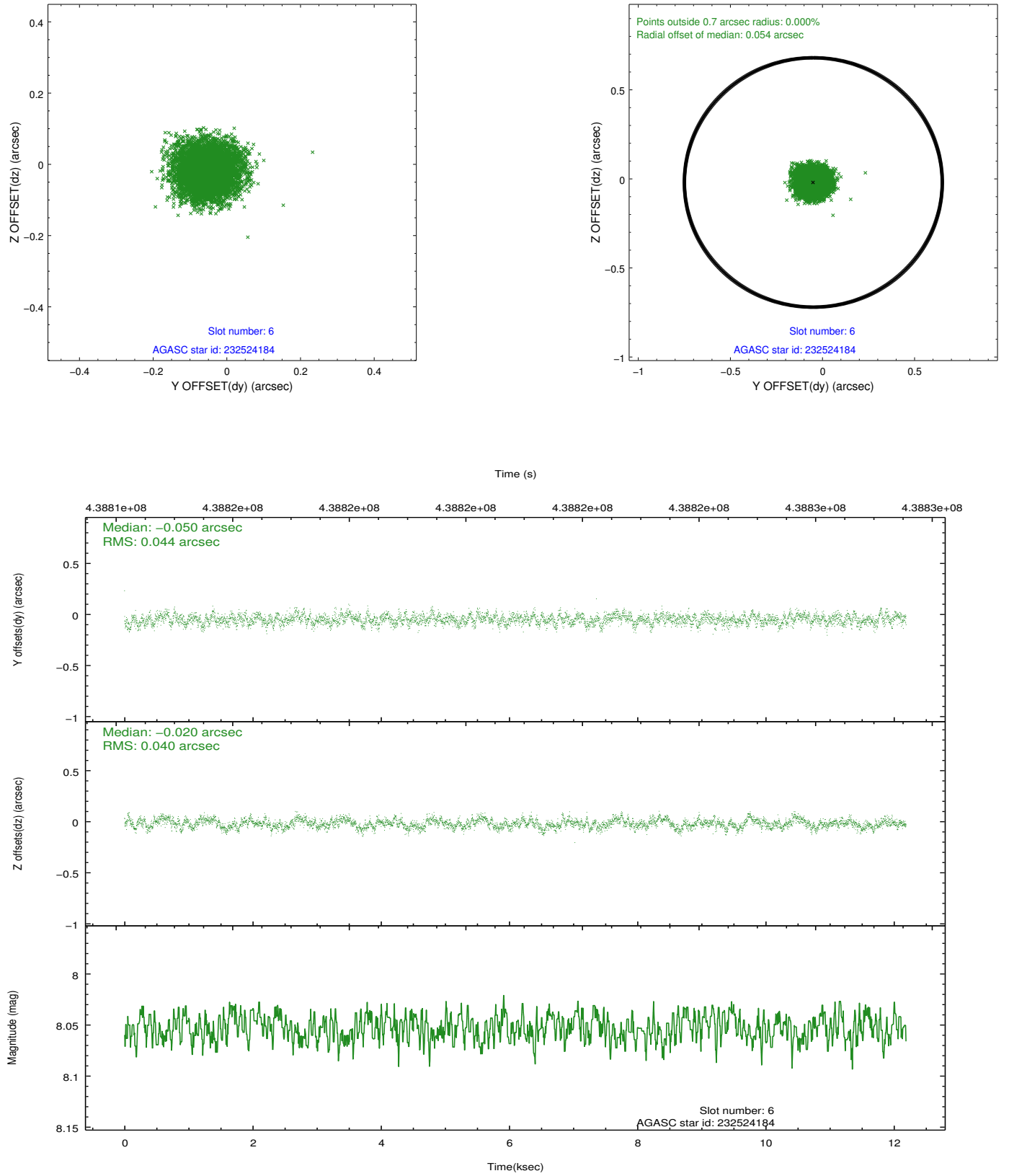
2.4.2 Slot 4



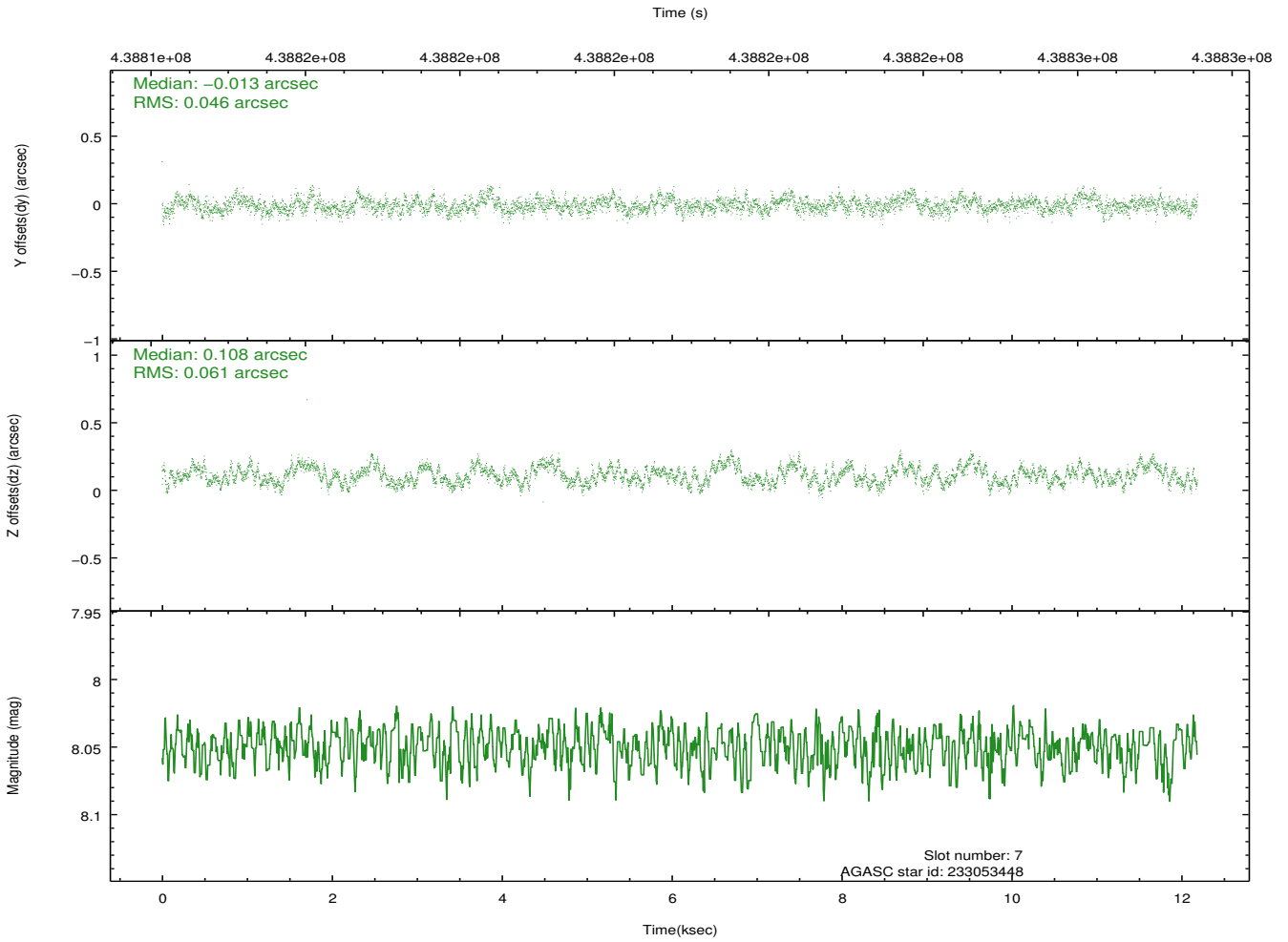
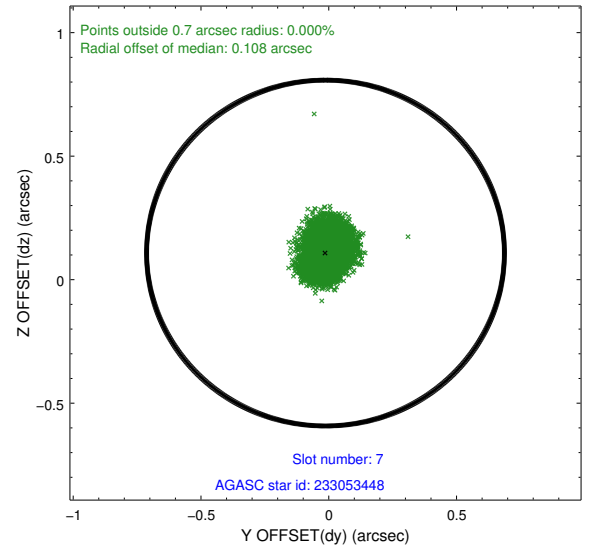
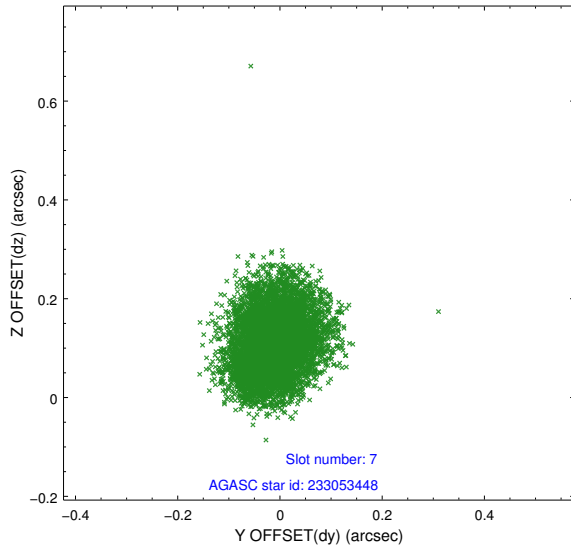
2.4.3 Slot 5



2.4.4 Slot 6

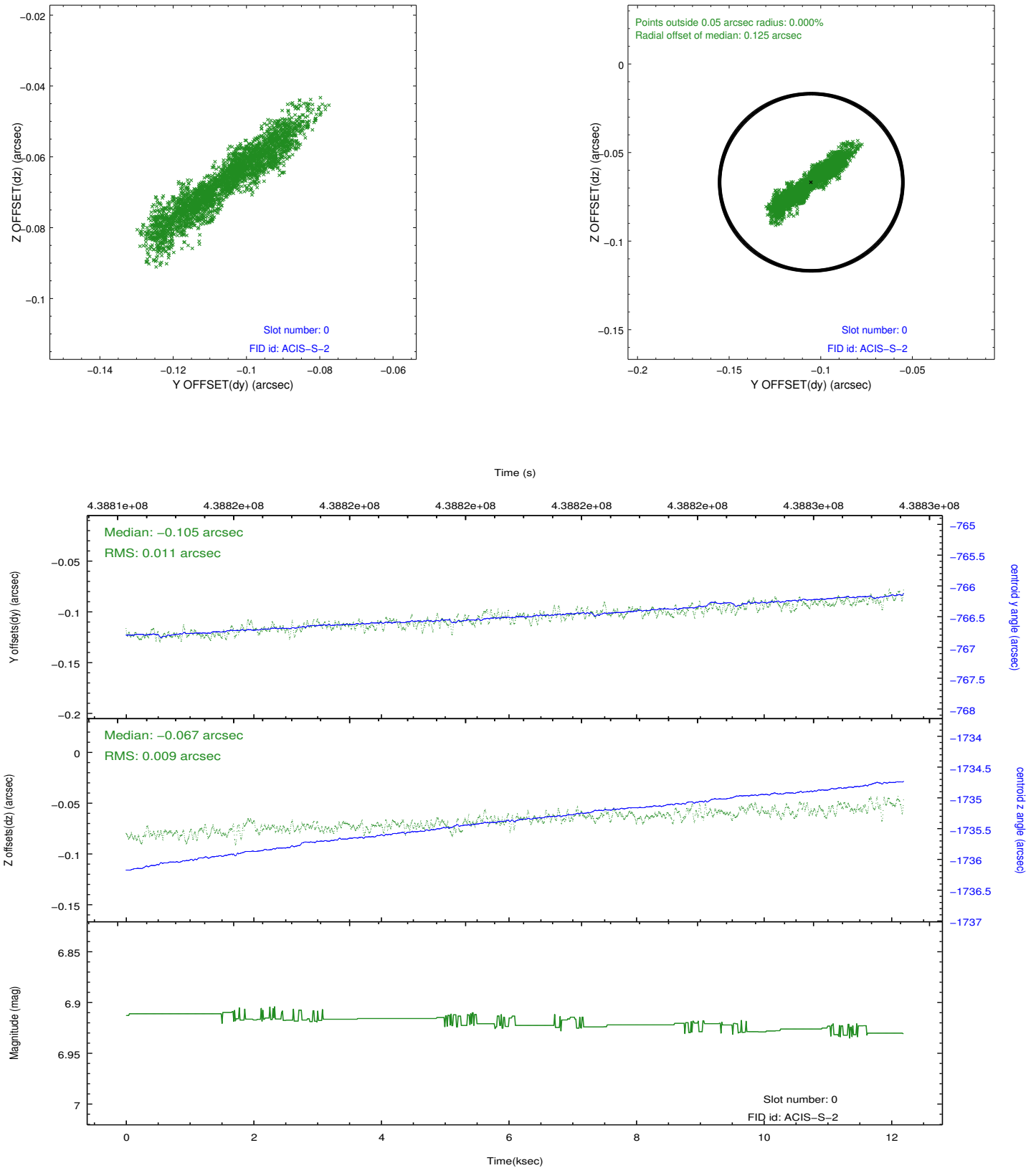


2.4.5 Slot 7

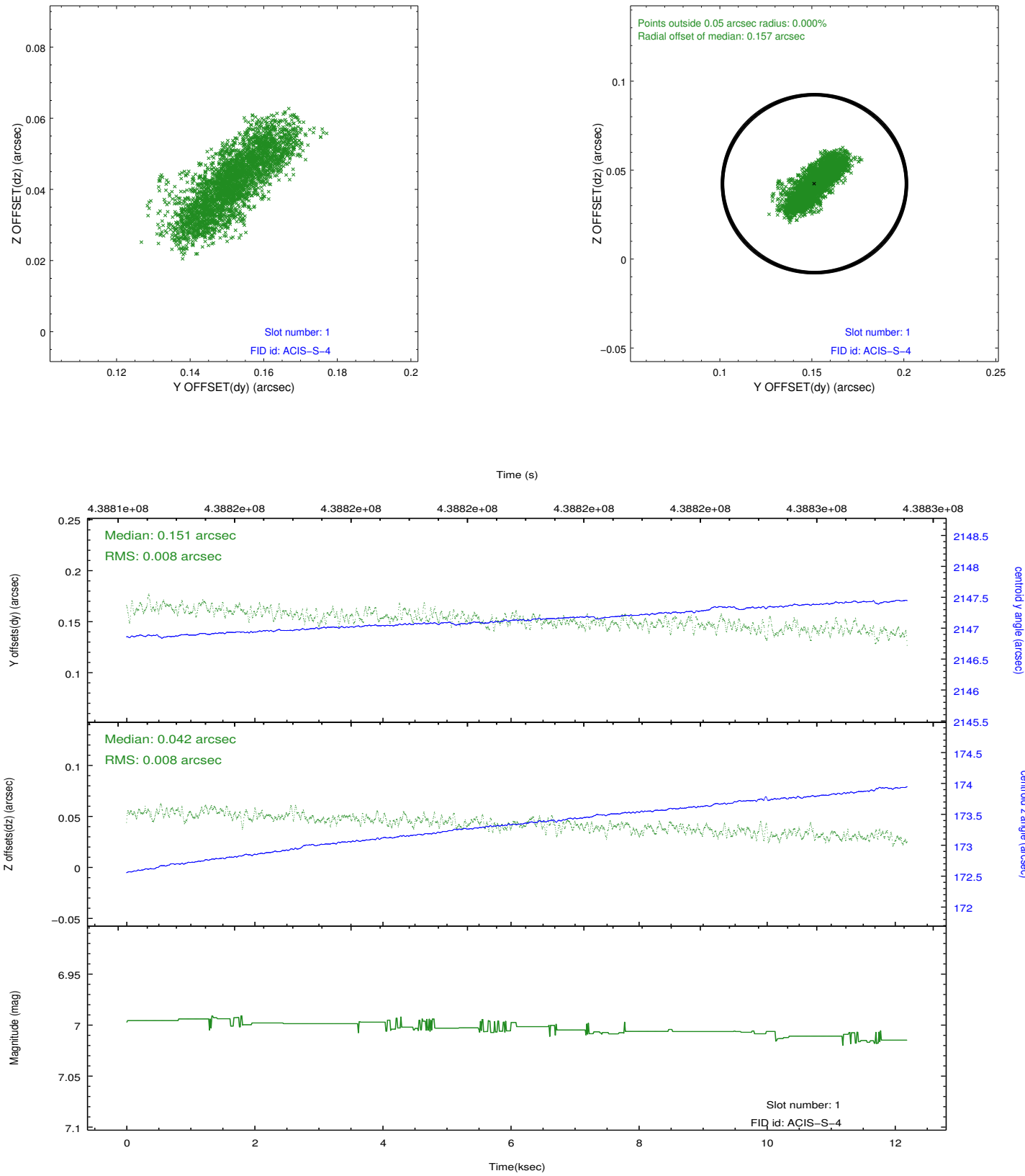


2.5 FID Slots

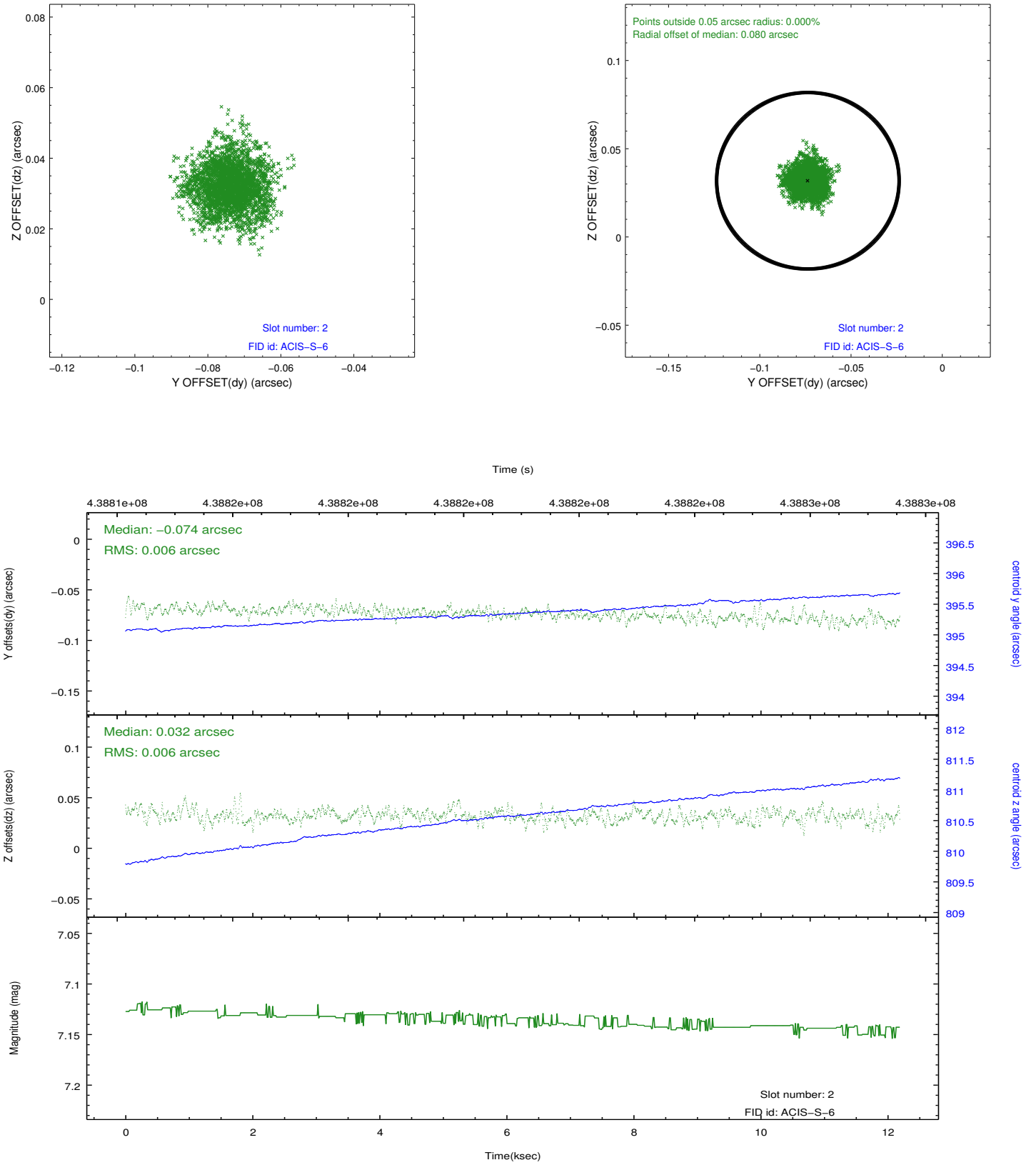
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.049700092673

A.2 Comments