

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 937 - L2 Version 4
Chandra X-Ray Center

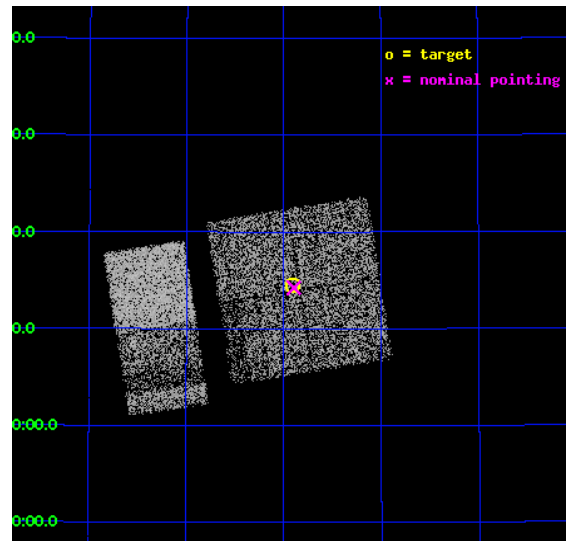
L2 Processing Date : Aug 28 2012

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1 Front

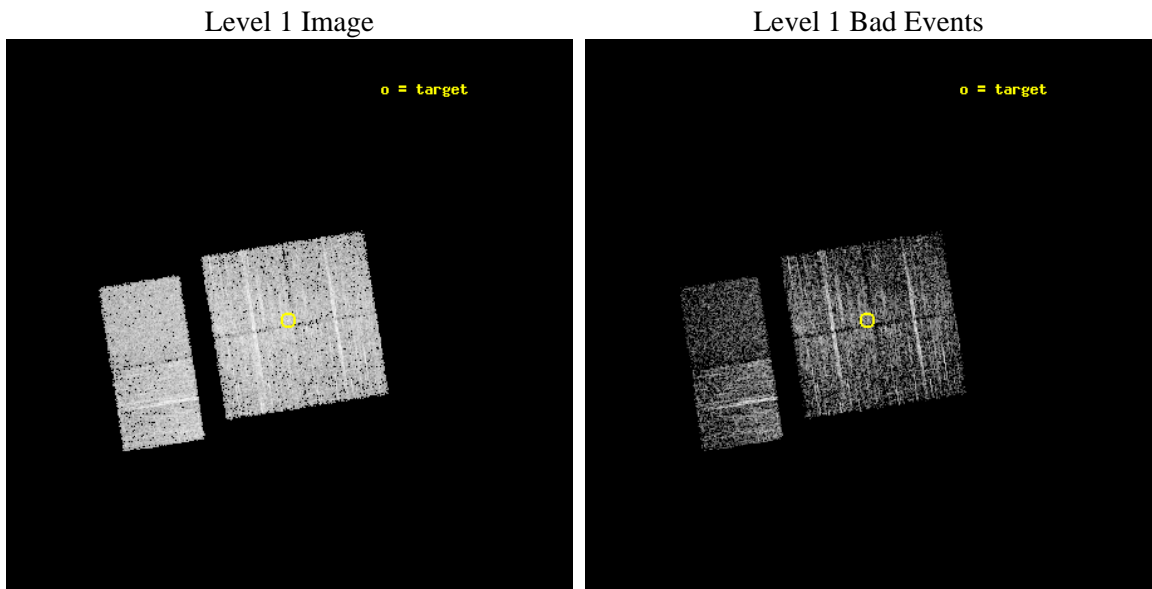
seq_num	900009	Sequence number
obs_id	937	Observation id
title	AXAF OBSERVATION OF FAINT HARD X-RAY SOURCES DISCOVERED WITH ASCA	
observer	Dr. Tadayuki Takahashi	Principal investigator
object	AX J1025+4714	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	156.47803	Observer's specified target RA [deg]
dec_targ	47.24141	Observer's specified target Dec [deg]
ra_nom	156.47404177481	Nominal RA [deg]
dec_nom	47.237219940184	Nominal Dec [deg]
roll_nom	261.03171627918	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2315.2805705369	Sum of GTIs [s]
livetime	2285.9630938581	Livetime [s]
ontime0	2315.1574505419	Sum of GTIs [s]
ontime1	2315.1984905452	Sum of GTIs [s]
ontime2	2315.2395305485	Sum of GTIs [s]
ontime3	2315.2805705369	Sum of GTIs [s]
ontime6	2315.3626505435	Sum of GTIs [s]
ontime7	2315.3216105402	Sum of GTIs [s]
l2events	24337	Number of level 2 events



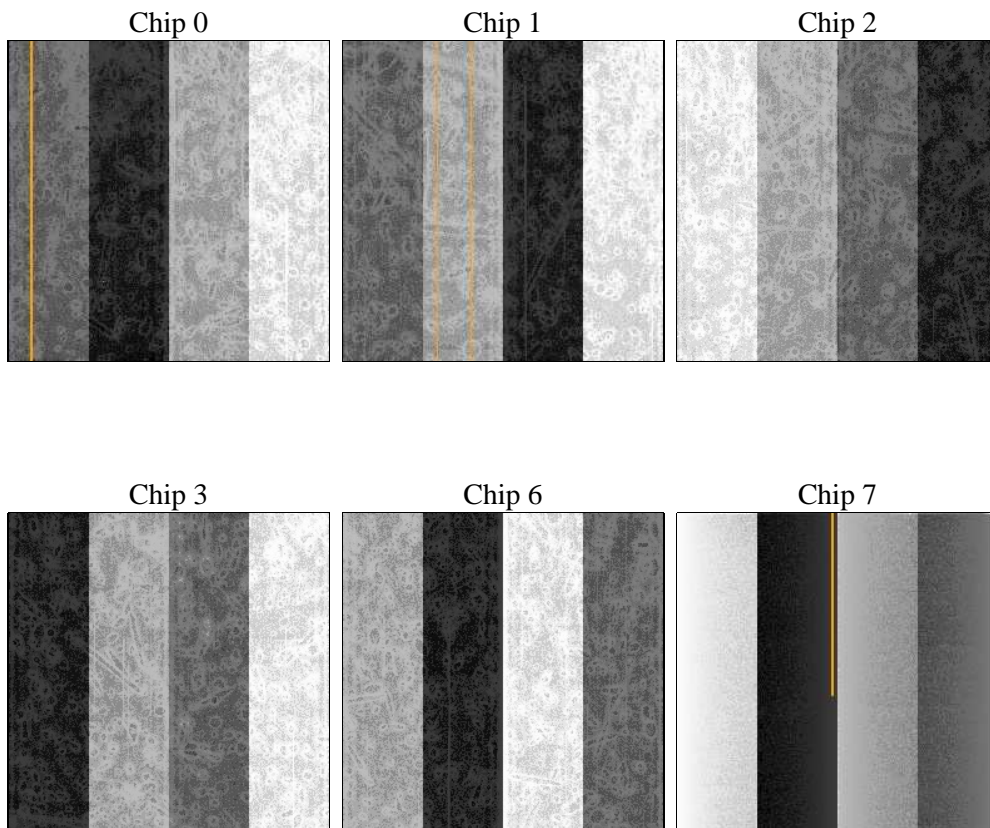
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2315.2805705369	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	2315.1574505419	Sum of GTIs [s]
date	2012-08-28T22:07:16	Date and time of file creation	ontime1	2315.1984905452	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2315.2395305485	Sum of GTIs [s]
			ontime3	2315.2805705369	Sum of GTIs [s]
			ontime6	2315.3626505435	Sum of GTIs [s]
			ontime7	2315.3216105402	Sum of GTIs [s]
			l1events	134620	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21573	19603	24702	24846	24480	19416
rejected events	17321	15788	20407	21037	20415	10826
rejected %	80%	80%	82%	84%	83%	55%

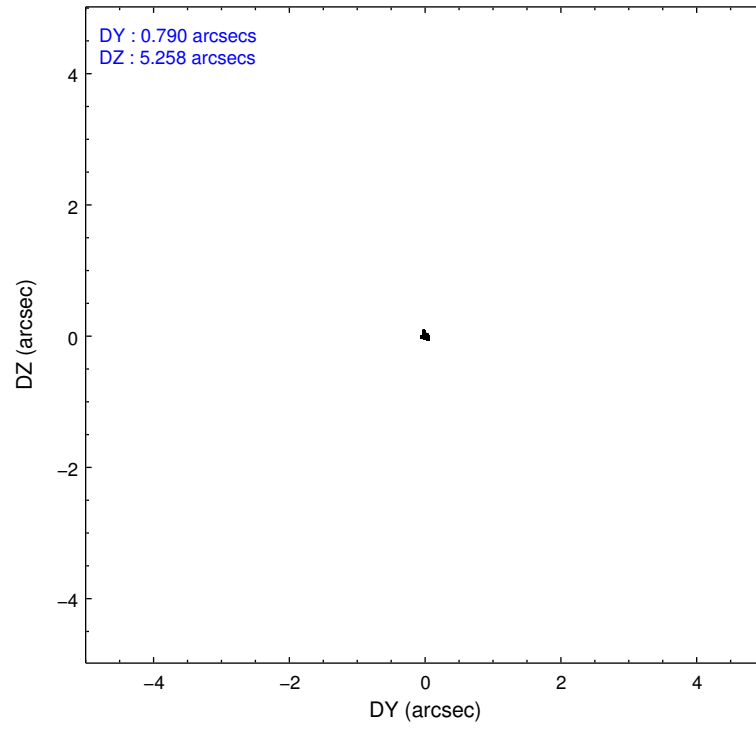
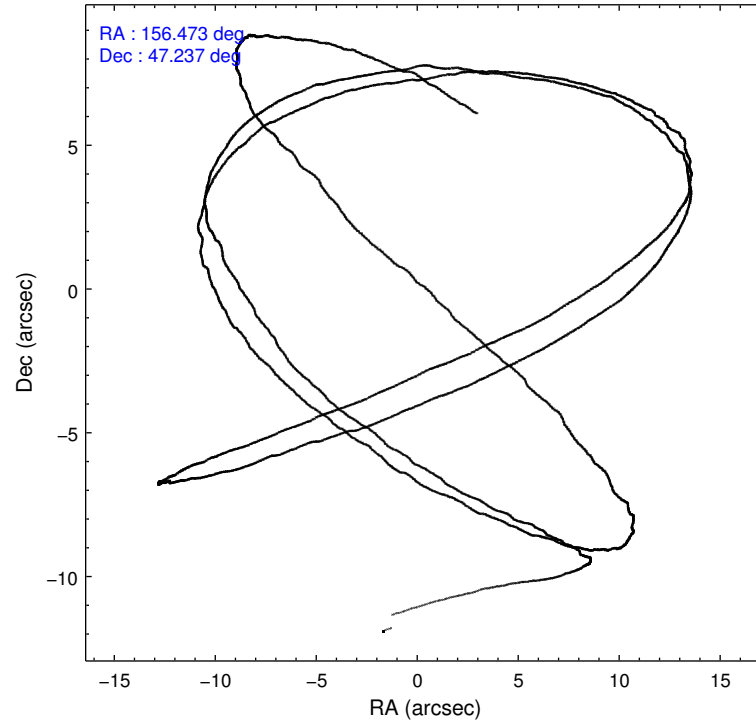
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1797	1425	1782	1481	1641	903
	8%	7%	7%	5%	6%	4%
grade 1 events	10	9	8	14	9	22
	0%	0%	0%	0%	0%	0%
grade 2 events	1243	1144	1263	1113	1225	1822
	5%	5%	5%	4%	5%	9%
grade 3 events	192	217	167	194	222	818
	0%	1%	0%	0%	0%	4%
grade 4 events	236	236	268	213	219	810
	1%	1%	1%	0%	0%	4%
grade 5 events	487	532	493	514	590	1826
	2%	2%	1%	2%	2%	9%
grade 6 events	795	805	825	814	765	4266
	3%	4%	3%	3%	3%	21%
grade 7 events	16813	15235	19896	20503	19809	8949
	77%	77%	80%	82%	80%	46%

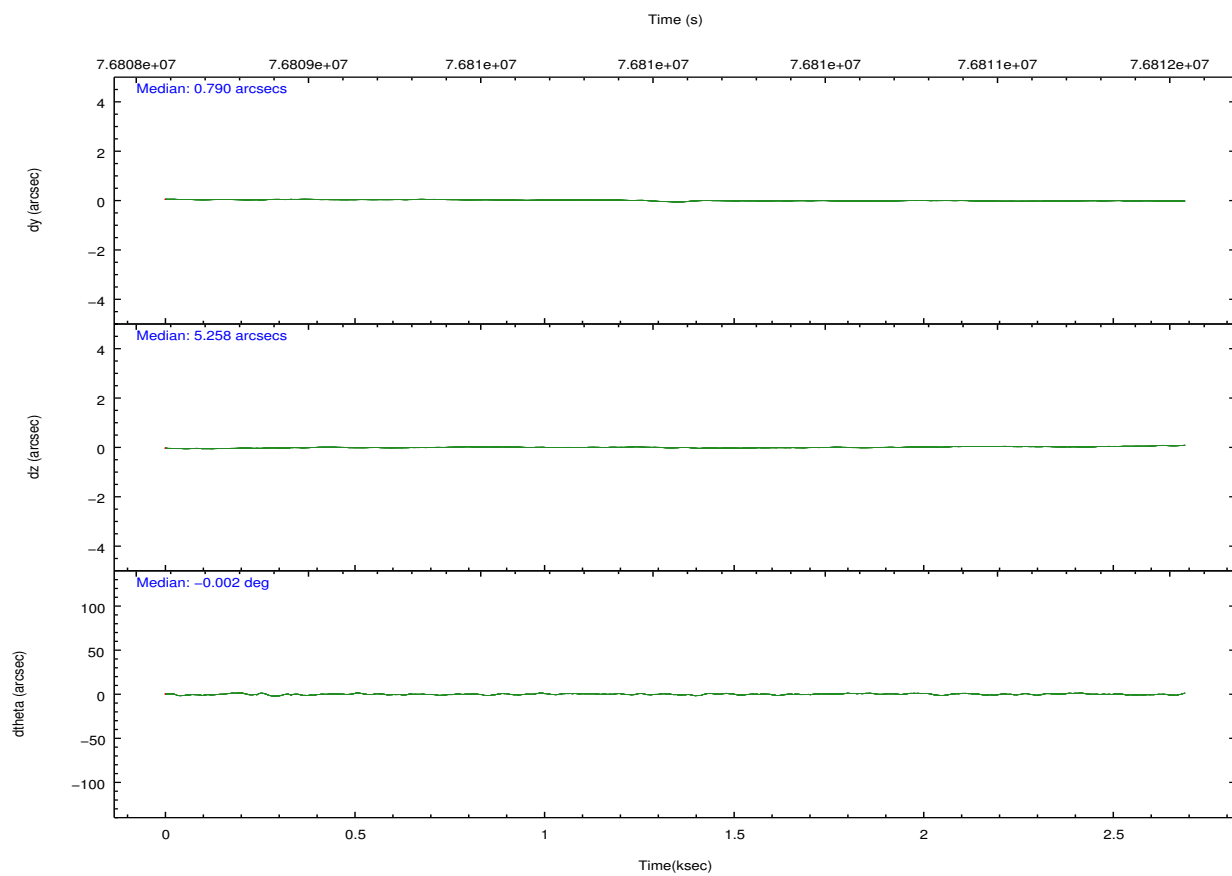
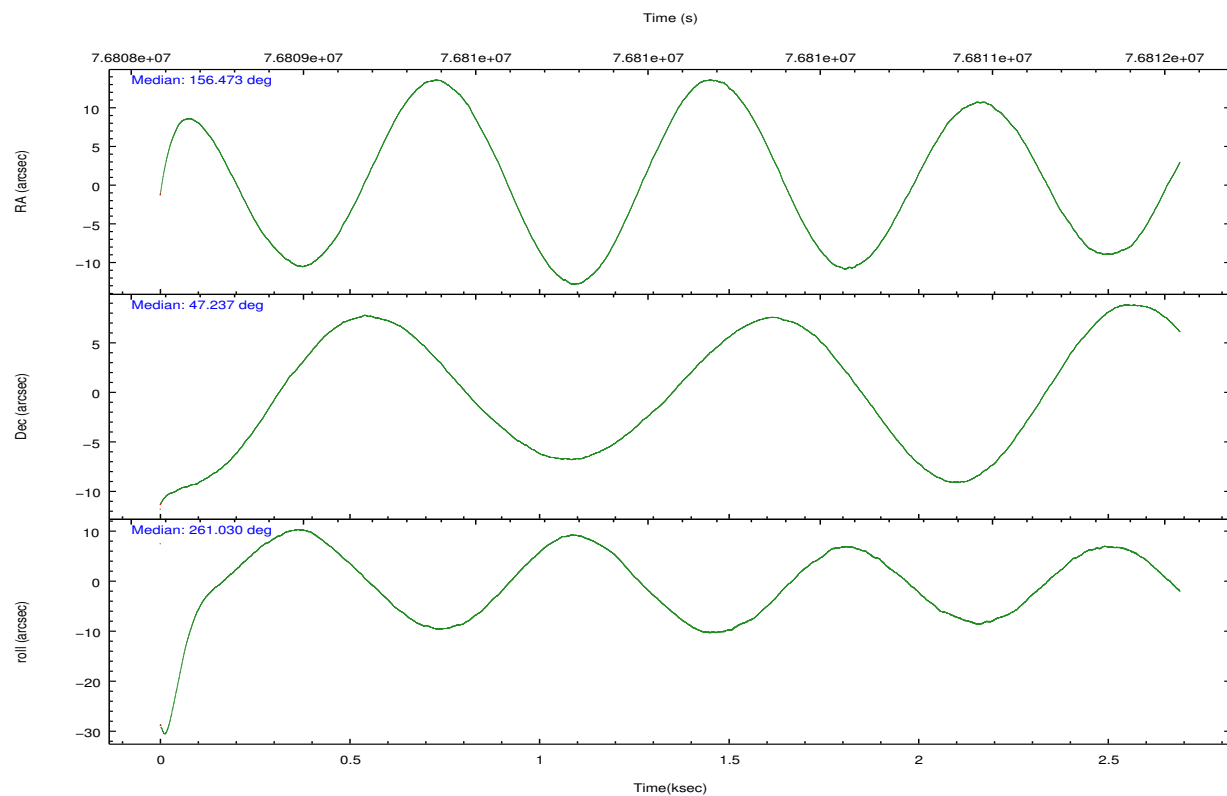
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	156.459779	156.4740417748139
[deg] Pointing Dec	47.262994	47.23721994018354
[deg] Pointing Roll	260.833666	261.0317162791791
[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)	76808910.184000	76807938.90395901
Observation start date	2000-06-07T23:47:26	2000-06-07T23:32:18
[s] Observation end time (MET)	76811410.184000	76812710.79163501
Observation end date	2000-06-08T00:29:06	2000-06-08T00:51:50
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



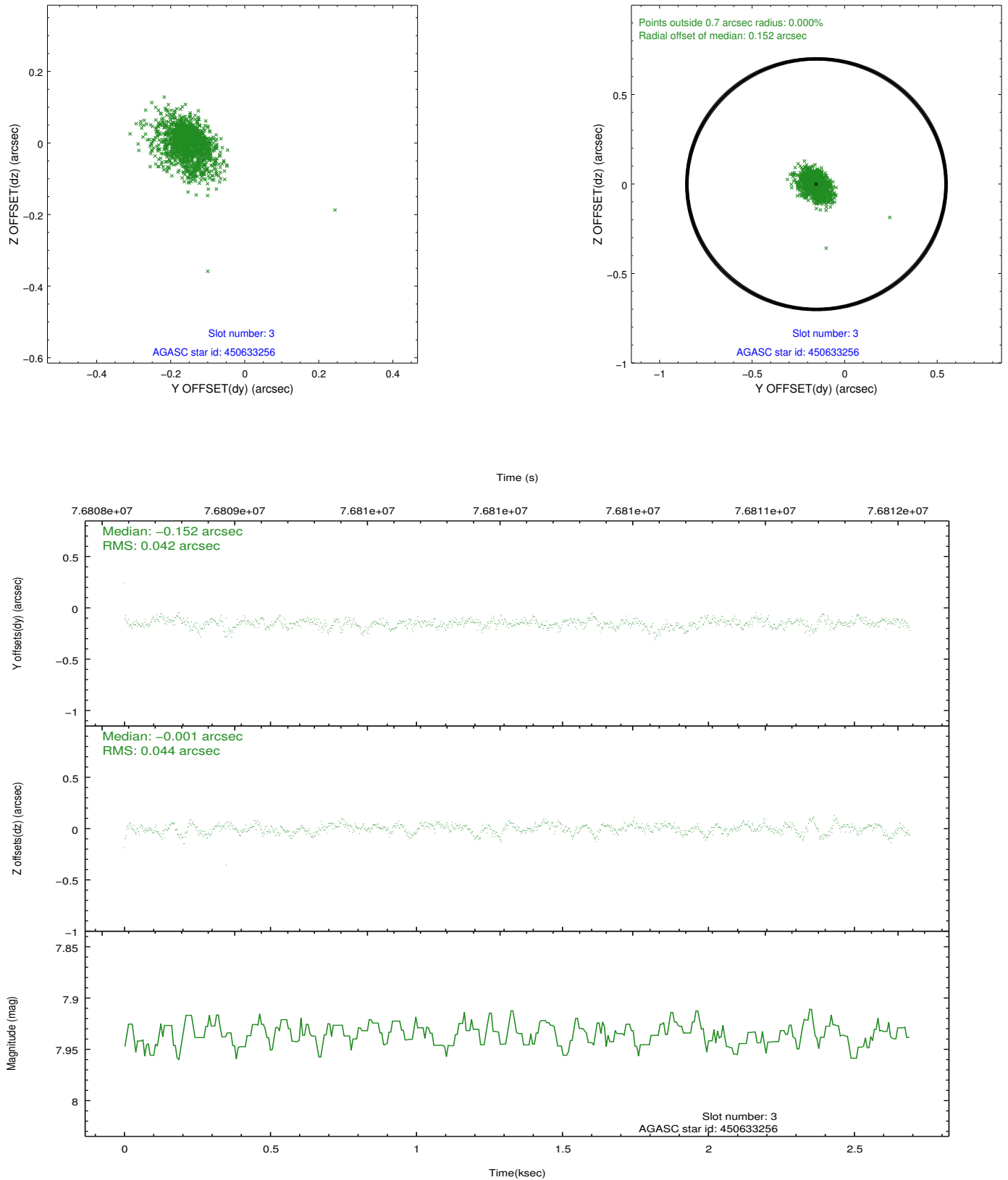


Slot Statistics

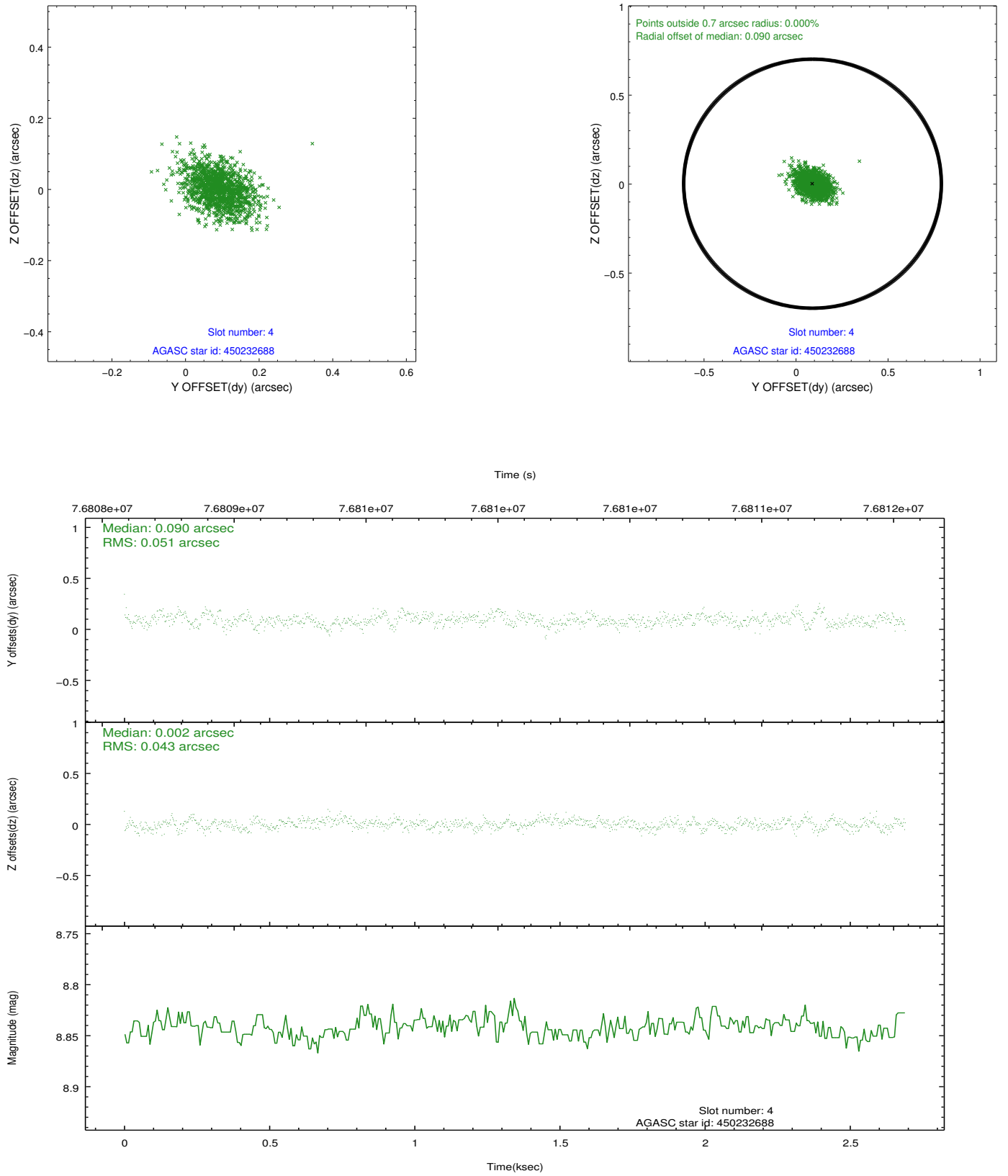
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	657	-0.027	-0.030	0.010	0.019	0.000000	0.000000	-755.14	-835.00
1	FID	ACIS-I-4	7.19	657	-0.046	0.032	0.006	0.010	0.000000	0.000000	2157.82	1070.04
2	FID	ACIS-I-5	7.23	657	-0.027	0.067	0.009	0.016	0.000000	0.000000	-1805.89	1070.65
3	GUIDE	450633256	7.93	1312	-0.152	-0.001	0.061	0.107	156.404075	47.567395	-1061.38	-306.91
4	GUIDE	450232688	8.84	1313	0.090	0.002	0.069	0.117	156.759869	46.937053	1037.89	916.04
5	GUIDE	450235072	9.06	1313	0.018	0.101	0.073	0.121	156.908877	46.808861	1434.46	1354.52
6	GUIDE	450236704	9.25	1313	0.131	0.072	0.078	0.129	156.809685	46.714771	1809.21	1169.23
7	GUIDE	450632976	9.51	1310	-0.083	-0.168	0.090	0.148	155.857098	47.599681	-968.65	-1636.39

2.4 Star Slots

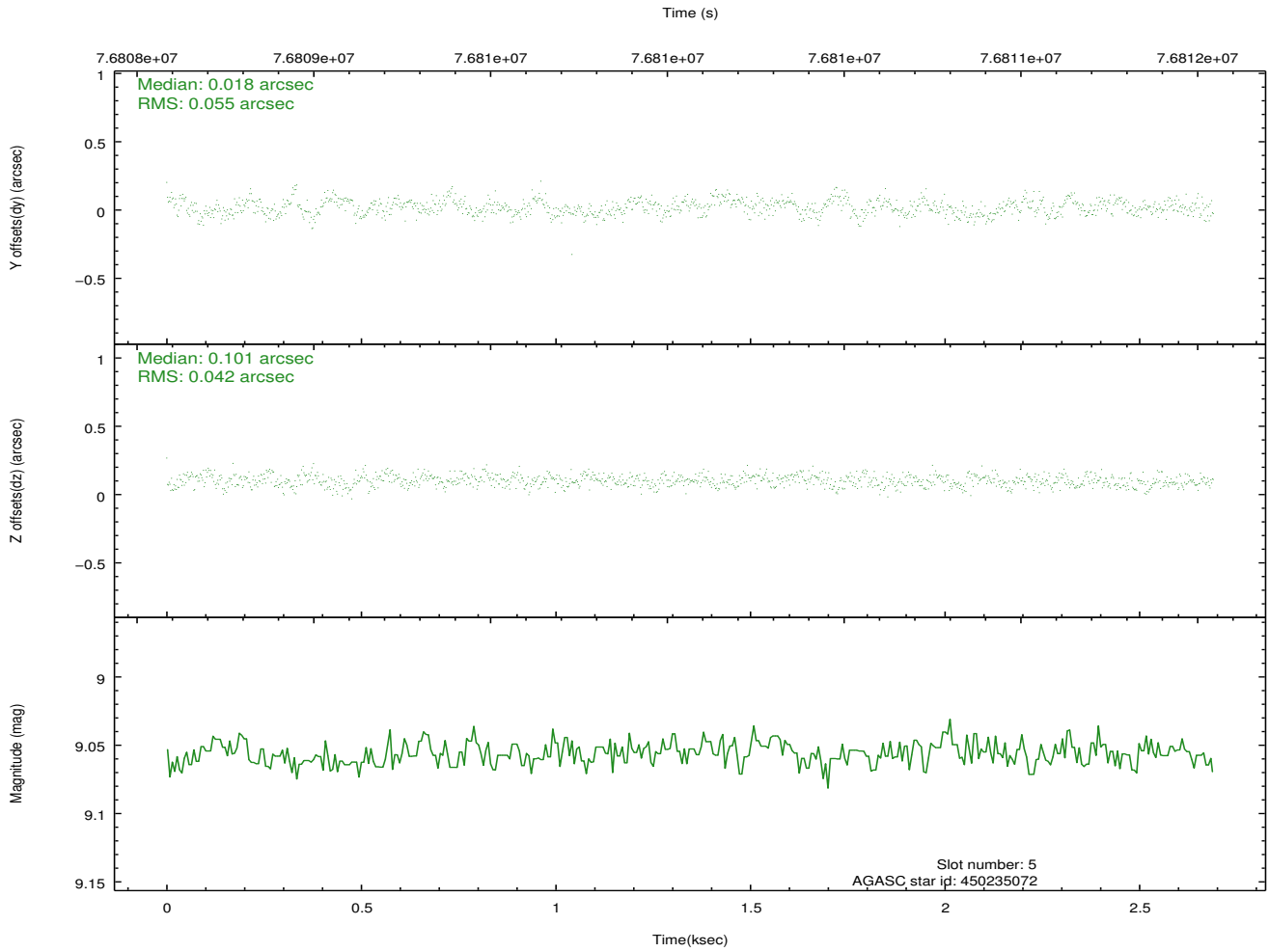
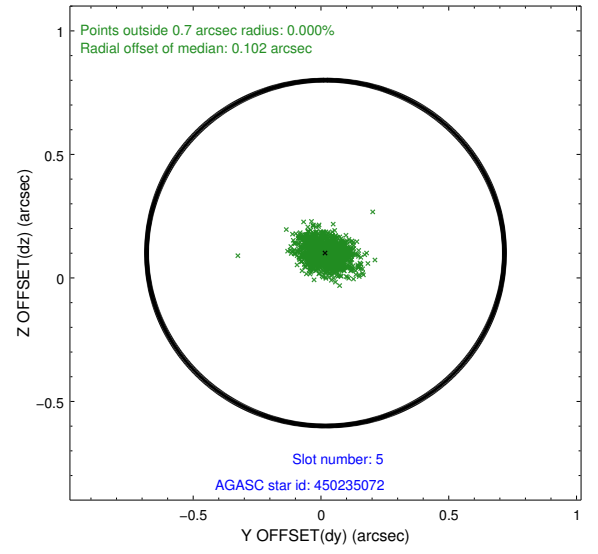
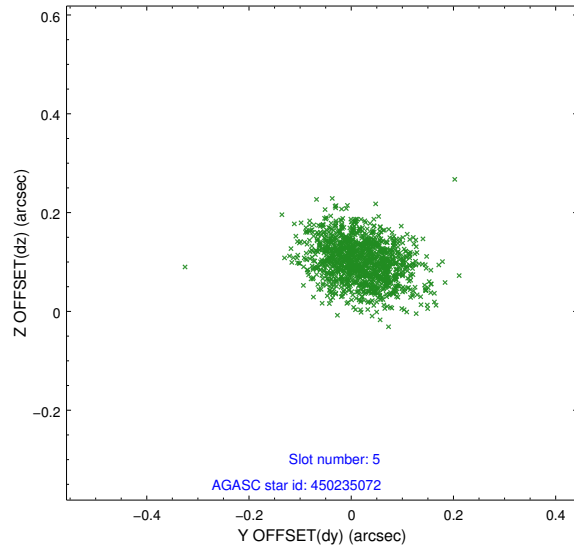
2.4.1 Slot 3



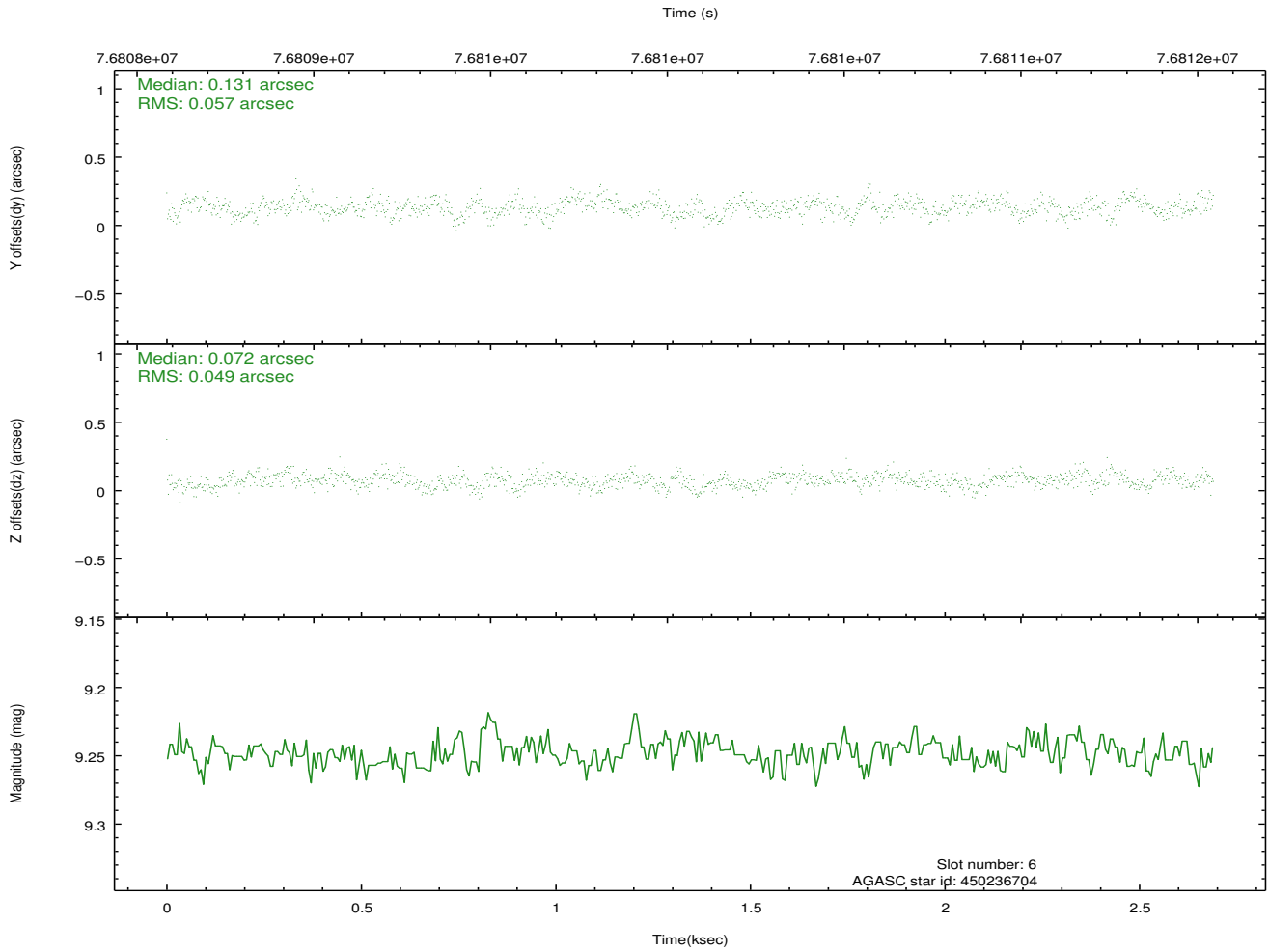
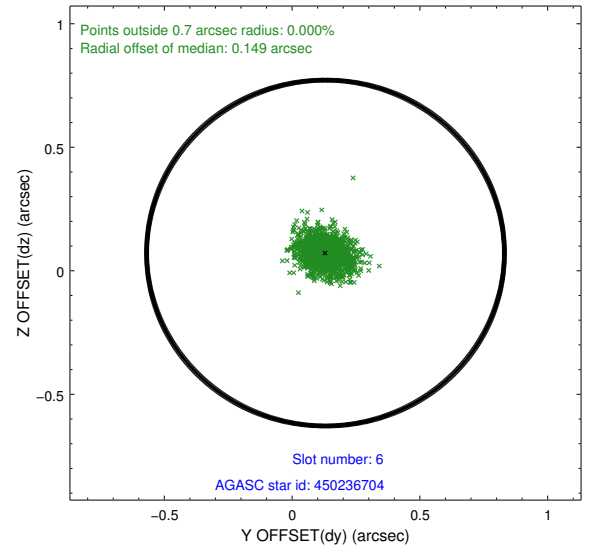
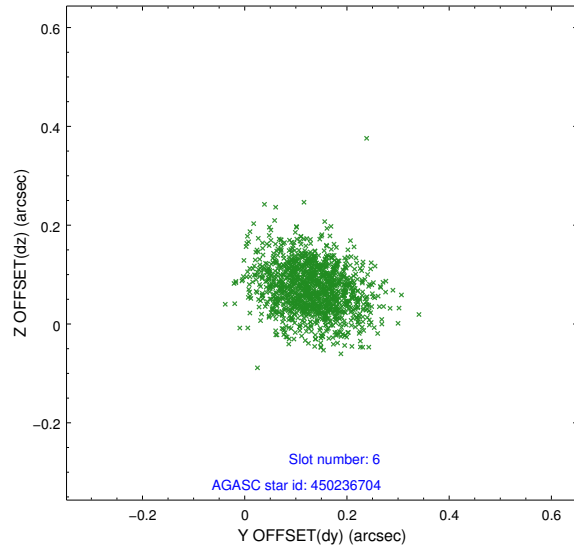
2.4.2 Slot 4



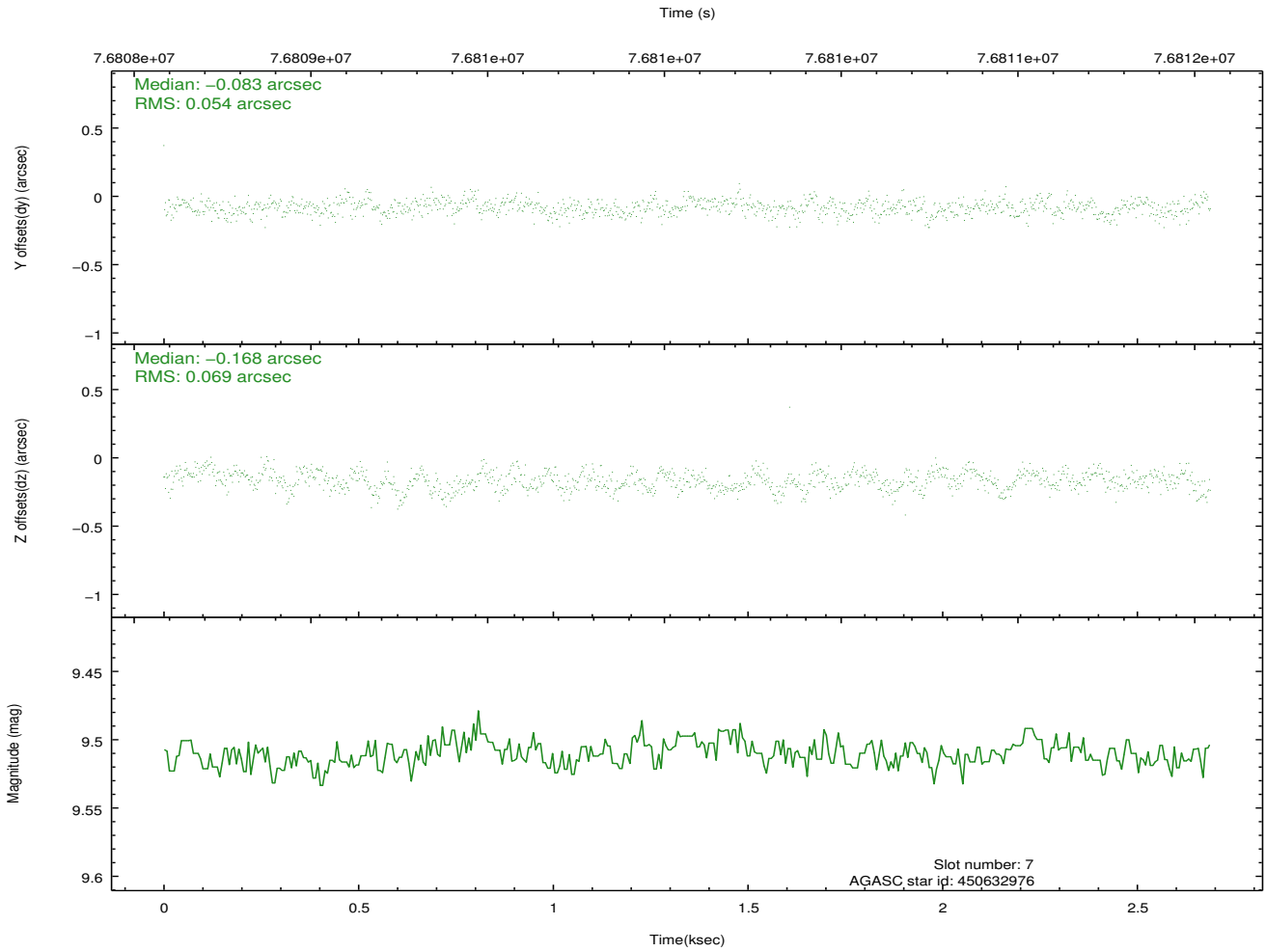
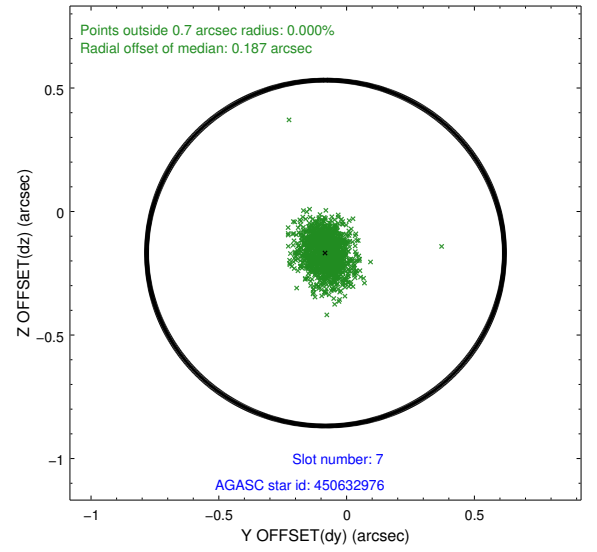
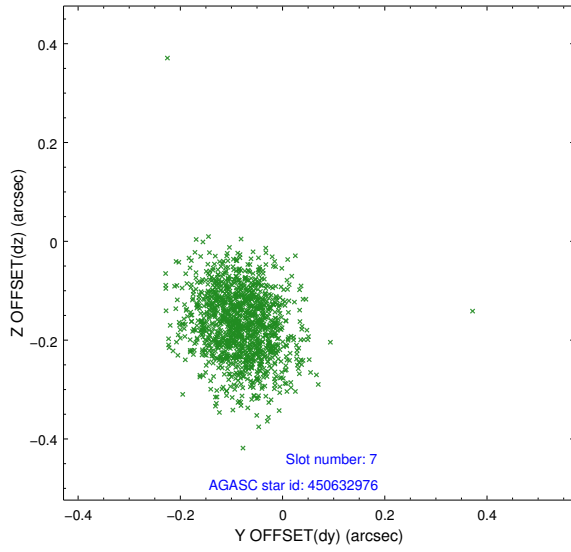
2.4.3 Slot 5



2.4.4 Slot 6

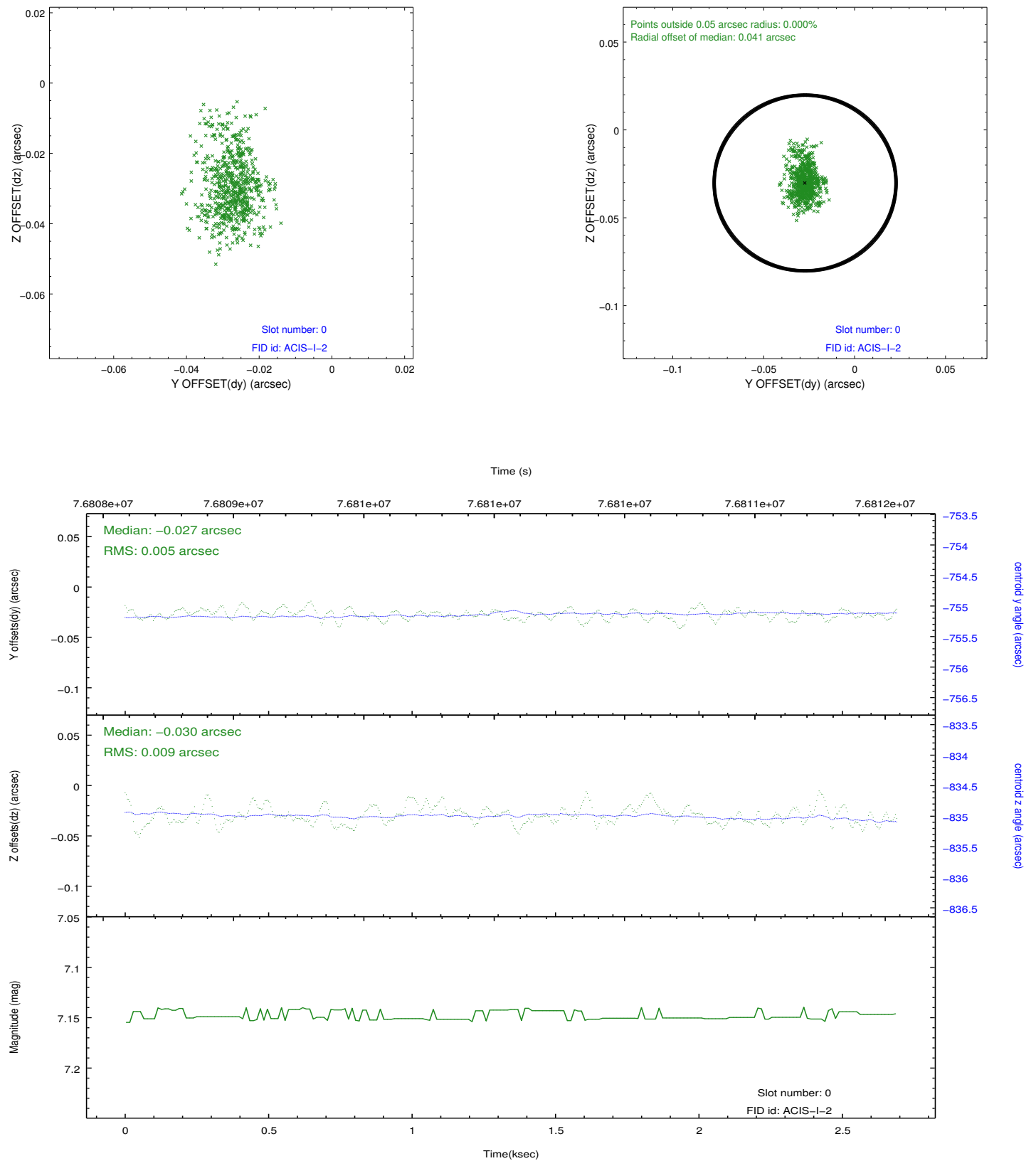


2.4.5 Slot 7

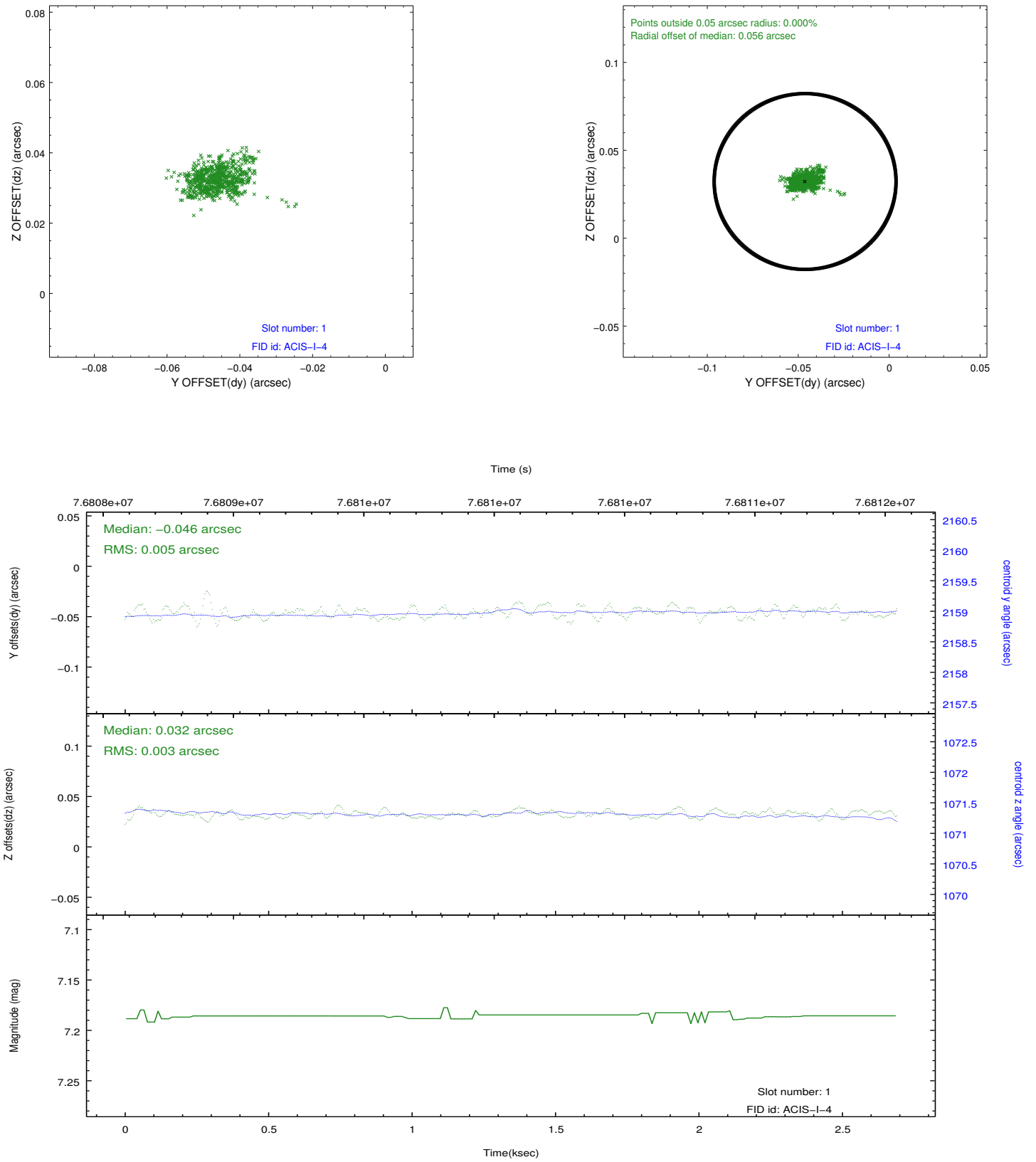


2.5 FID Slots

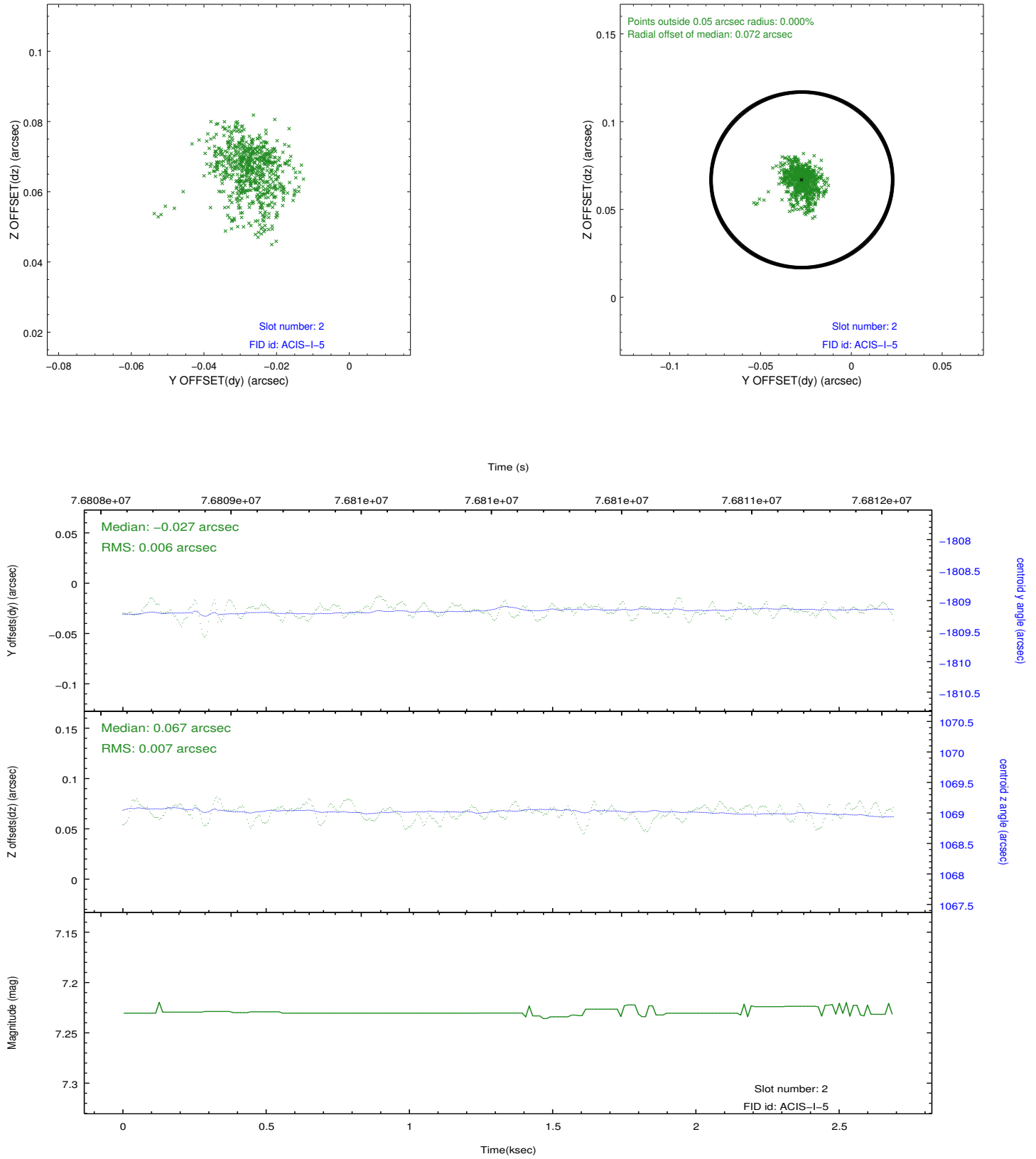
2.5.1 Slot 0



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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.32

A.2 Comments