

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6278 - L2 Version 3
Chandra X-Ray Center

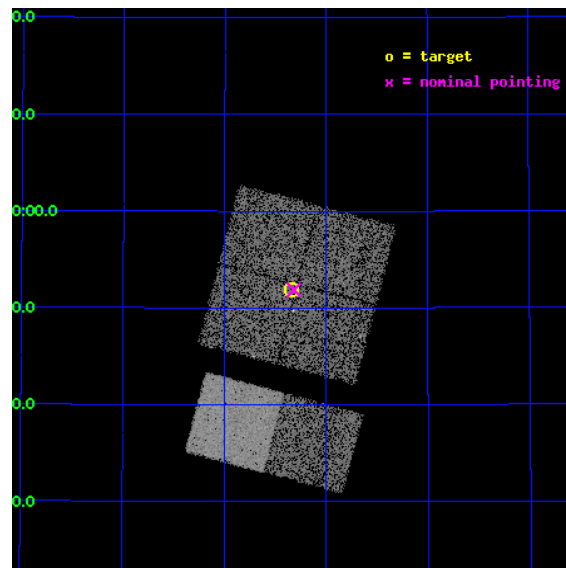
L2 Processing Date : Dec 26 2012

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1 Front

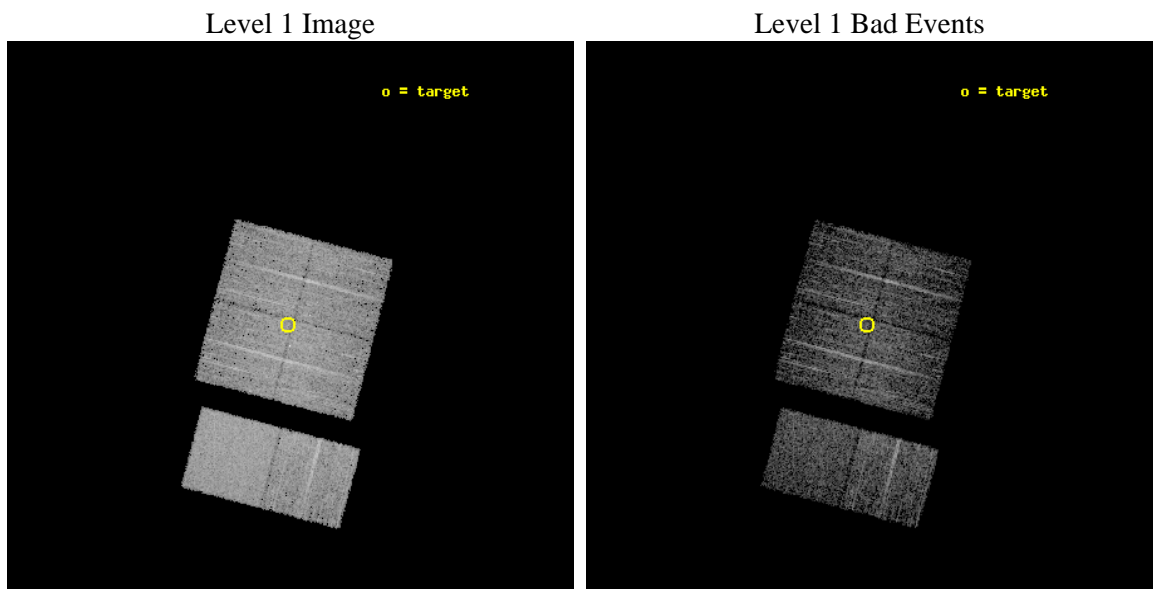
seq_num	701180	Sequence number
obs_id	6278	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J19473+4452	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	296.835833	Observer's specified target RA [deg]
dec_targ	44.864	Observer's specified target Dec [deg]
ra_nom	296.82950027583	Nominal RA [deg]
dec_nom	44.864656941652	Nominal Dec [deg]
roll_nom	194.70871629108	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3638.3999864459	Sum of GTIs [s]
livetime	3592.3283750361	Livetime [s]
ontime0	3638.3999864459	Sum of GTIs [s]
ontime1	3638.3999864459	Sum of GTIs [s]
ontime2	3638.3999864459	Sum of GTIs [s]
ontime3	3638.3999864459	Sum of GTIs [s]
ontime6	3638.3999864459	Sum of GTIs [s]
ontime7	3638.3999864459	Sum of GTIs [s]
l2events	45591	Number of level 2 events



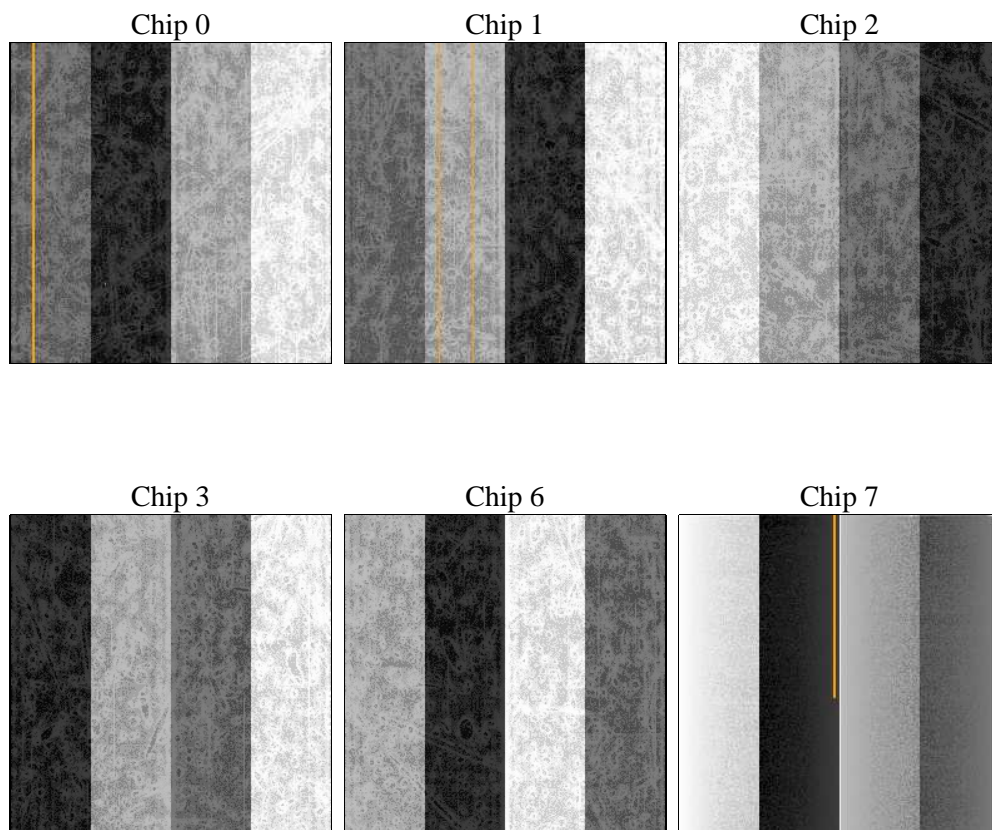
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3466.621000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3638.3999864459	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	3638.3999864459	Sum of GTIs [s]
date	2012-12-26T15:21:13	Date and time of file creation	ontime1	3638.3999864459	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3638.3999864459	Sum of GTIs [s]
			ontime3	3638.3999864459	Sum of GTIs [s]
			ontime6	3638.3999864459	Sum of GTIs [s]
			ontime7	3638.3999864459	Sum of GTIs [s]
			l1events	224025	Number of level 1 events

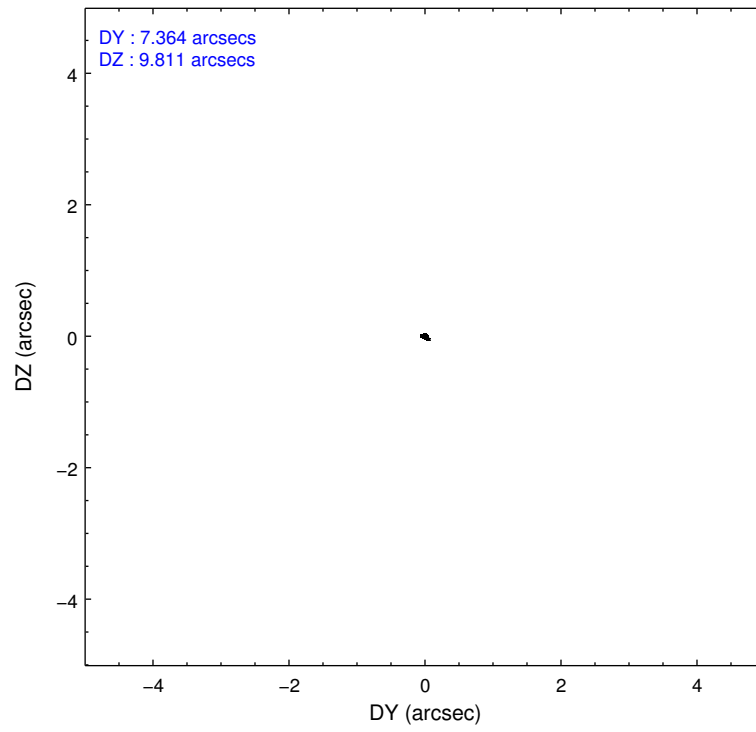
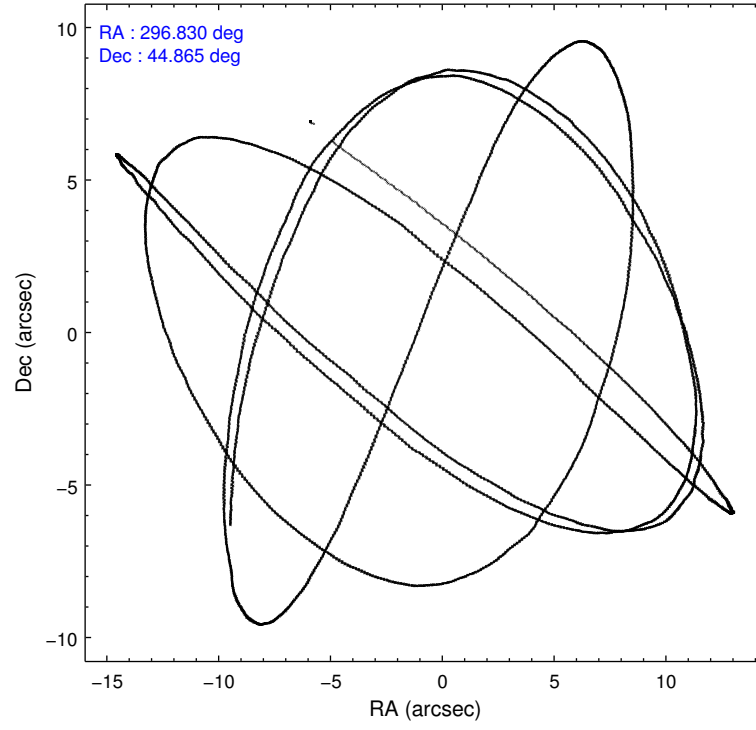
2.1.4 Events

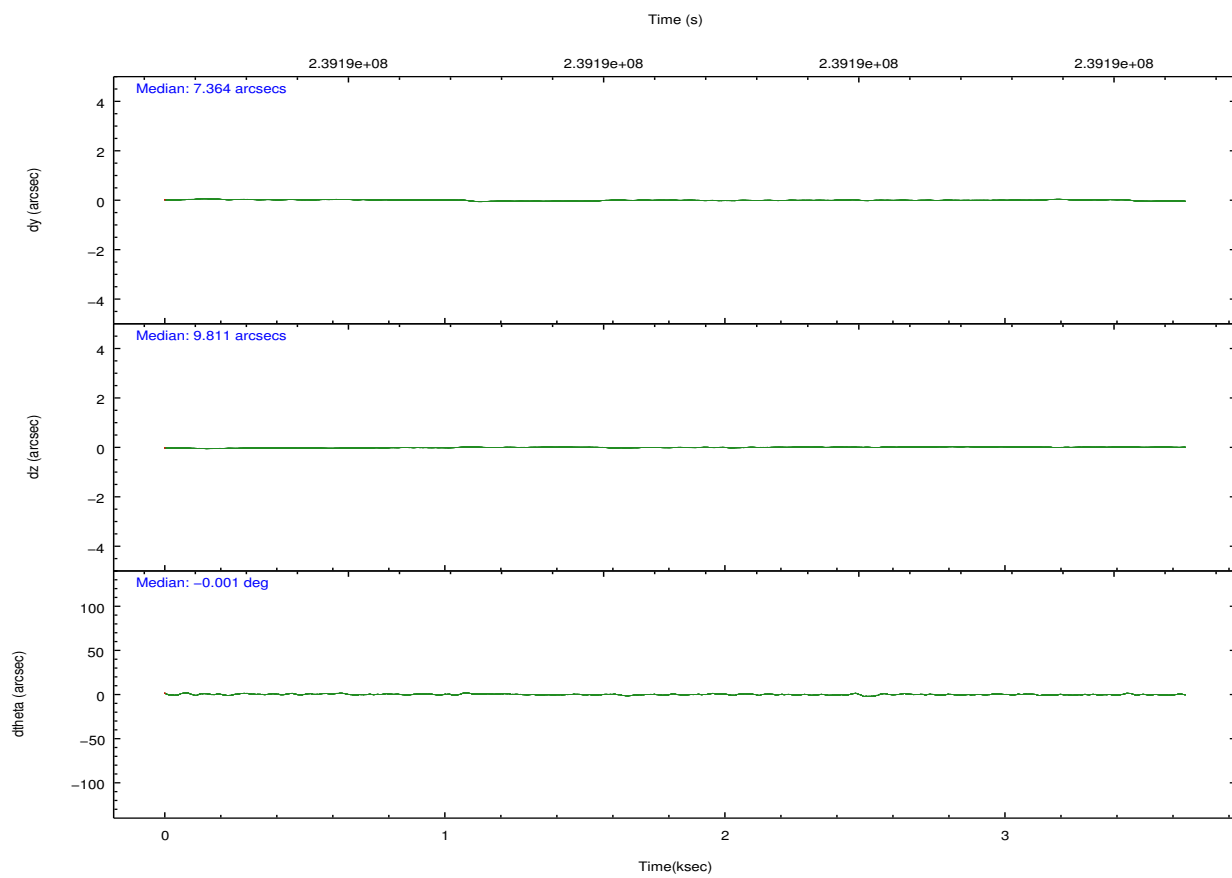
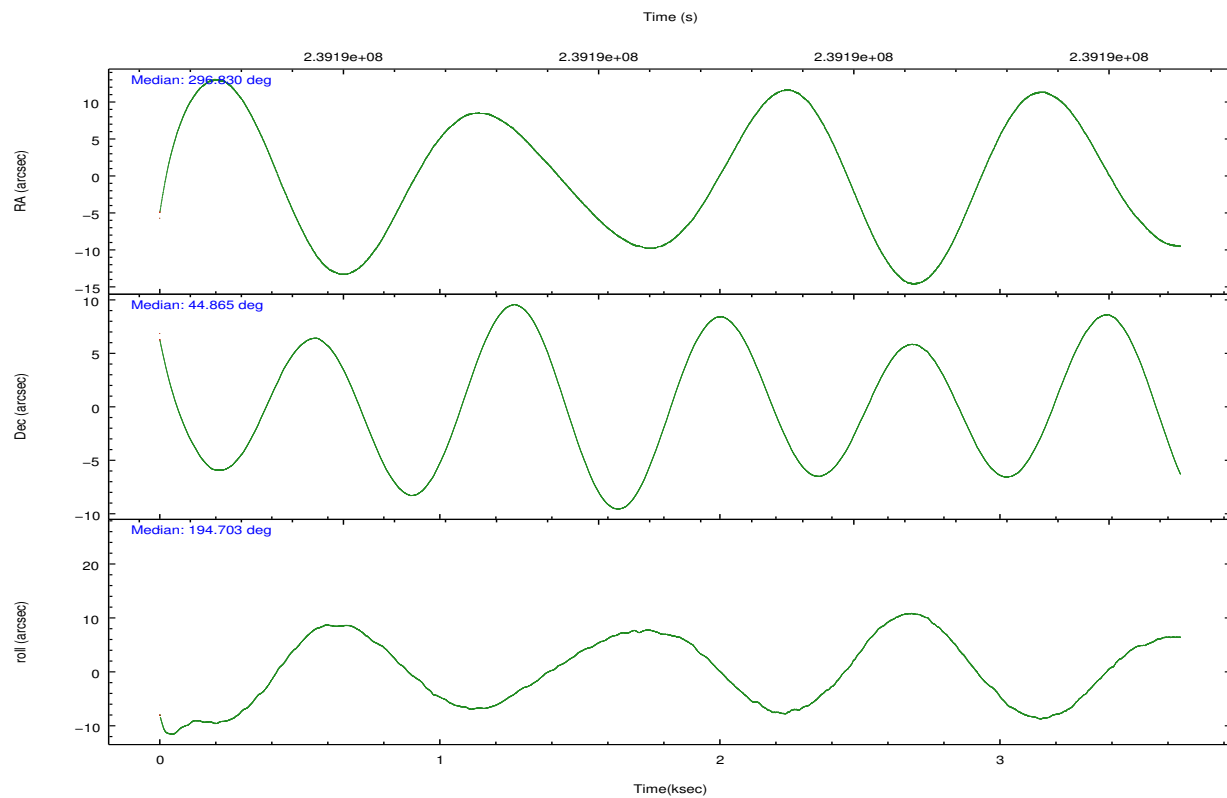
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	31380	33309	38179	35555	37743	47859	grade 0 events	3447	2997	3577	3147	3224	2277
rejected events	25270	27461	32022	29921	31817	27524		10%	8%	9%	8%	8%	4%
rejected %	80%	82%	83%	84%	84%	57%	grade 1 events	31	23	46	21	22	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	1414	1367	1370	1191	1392	4454
								4%	4%	3%	3%	3%	9%
							grade 3 events	447	472	436	463	427	1930
								1%	1%	1%	1%	1%	4%
							grade 4 events	429	450	479	408	431	1821
								1%	1%	1%	1%	1%	3%
							grade 5 events	1192	1284	1211	1371	1497	3947
								3%	3%	3%	3%	3%	8%
							grade 6 events	977	1103	952	984	1090	12220
								3%	3%	2%	2%	2%	25%
							grade 7 events	23443	25613	30108	27970	29660	21176
								74%	76%	78%	78%	78%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	296.856713	296.8295002758335	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.884004	44.86465694165197	Alternating exposures requested	N	N
[deg] Pointing Roll	194.480839	194.7087162910788	[s] Primary exposure time	0.000000	3.2
[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)	239189635.184000	239188352.4046			
Observation start date	2005-07-31T09:32:51	2005-07-31T09:12:32			
[s] Observation end time (MET)	239193102.184000	239193337.49232			
Observation end date	2005-07-31T10:30:38	2005-07-31T10:35:37			
Read mode	TIMED	TIMED			

2.3 Aspect



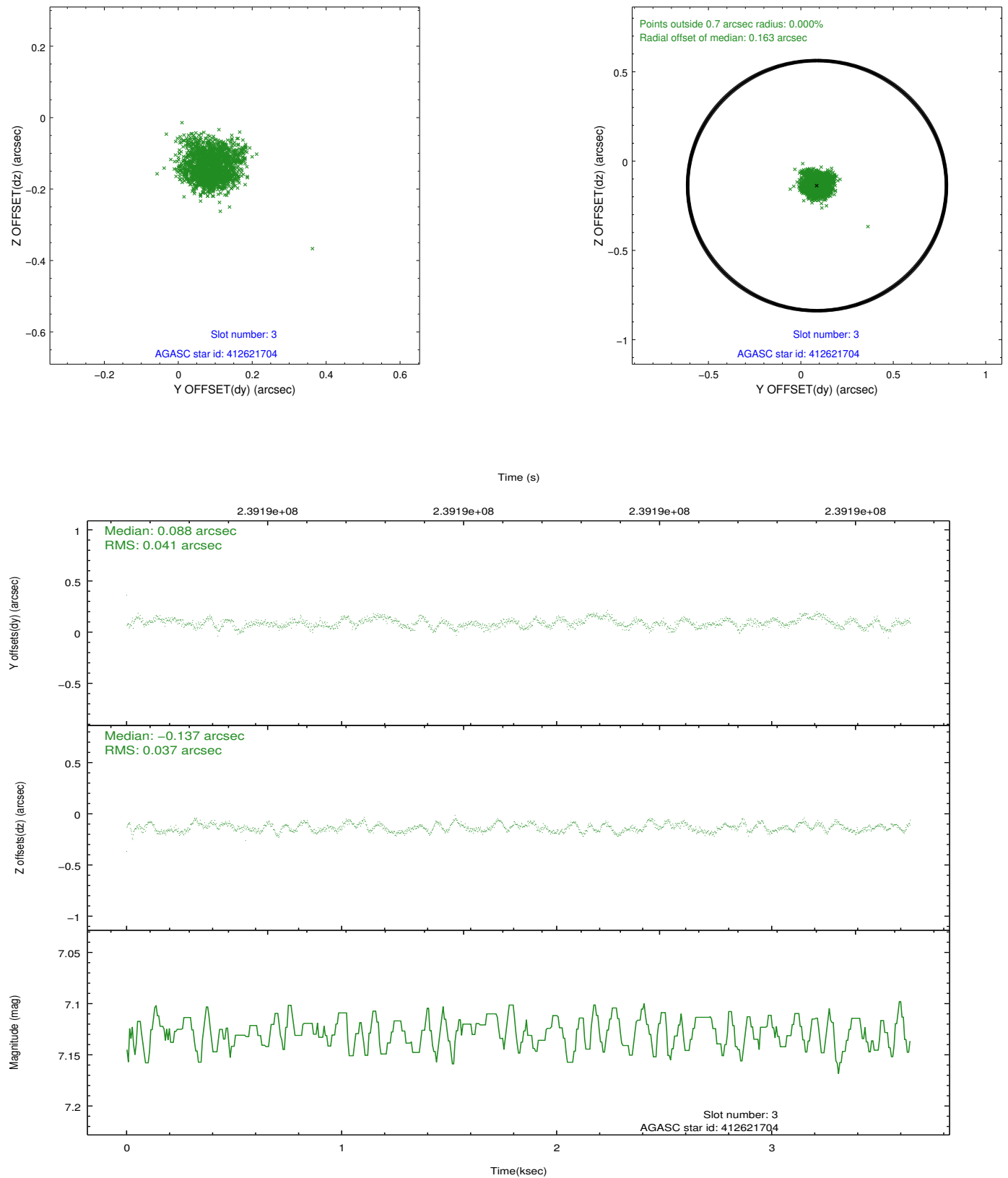


Slot Statistics

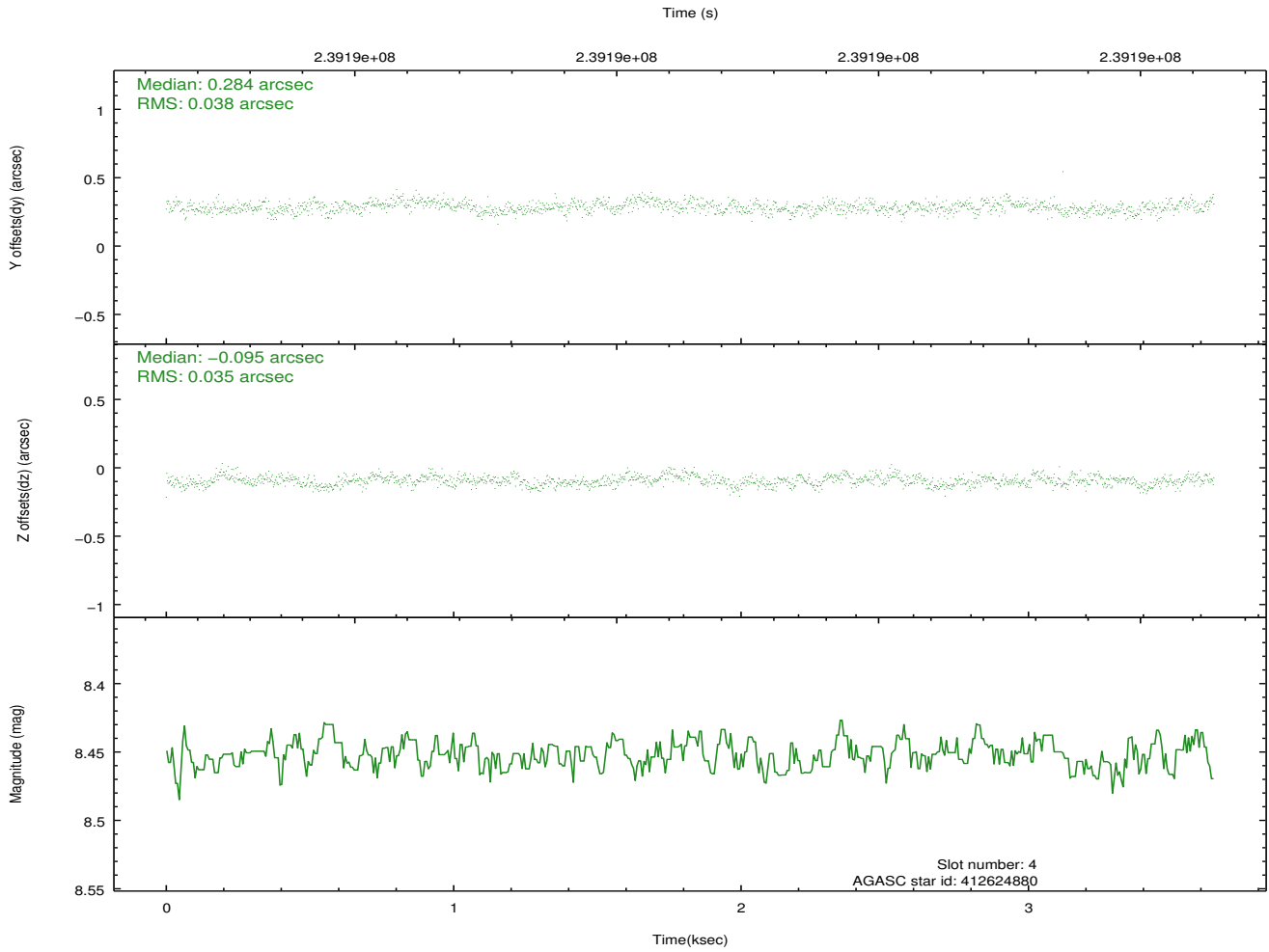
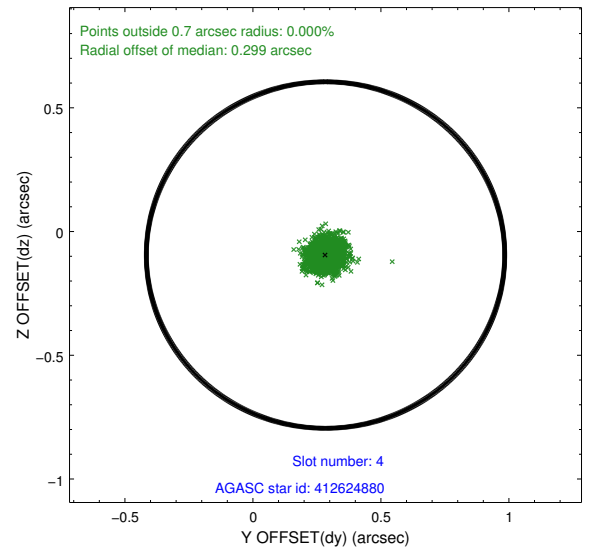
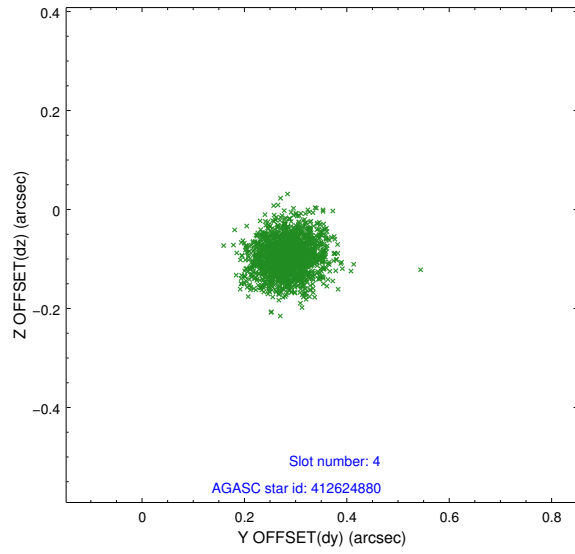
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.18	890	0.137	0.014	0.007	0.012	0.000000	0.000000	2152.42	1066.60
1	FID	ACIS-I-5	7.23	889	-0.231	0.013	0.005	0.009	0.000000	0.000000	-1813.69	1065.52
2	FID	ACIS-I-6	7.26	890	-0.006	0.040	0.008	0.014	0.000000	0.000000	395.99	1709.86
3	GUIDE	412621704	7.13	1779	0.088	-0.137	0.059	0.092	296.183439	44.928913	1619.72	-592.49
4	GUIDE	412624880	8.45	1776	0.284	-0.095	0.055	0.089	296.167920	44.298496	2245.13	1589.73
5	GUIDE	412628184	7.19	1779	-0.586	0.044	0.053	0.083	296.672191	44.348531	942.86	1748.25
6	GUIDE	466223704	8.26	1779	0.026	0.139	0.060	0.097	297.047341	45.178894	-732.96	-906.62
7	GUIDE	412616872	8.30	1778	0.186	0.048	0.051	0.082	297.415564	44.844724	-1346.76	488.30

2.4 Star Slots

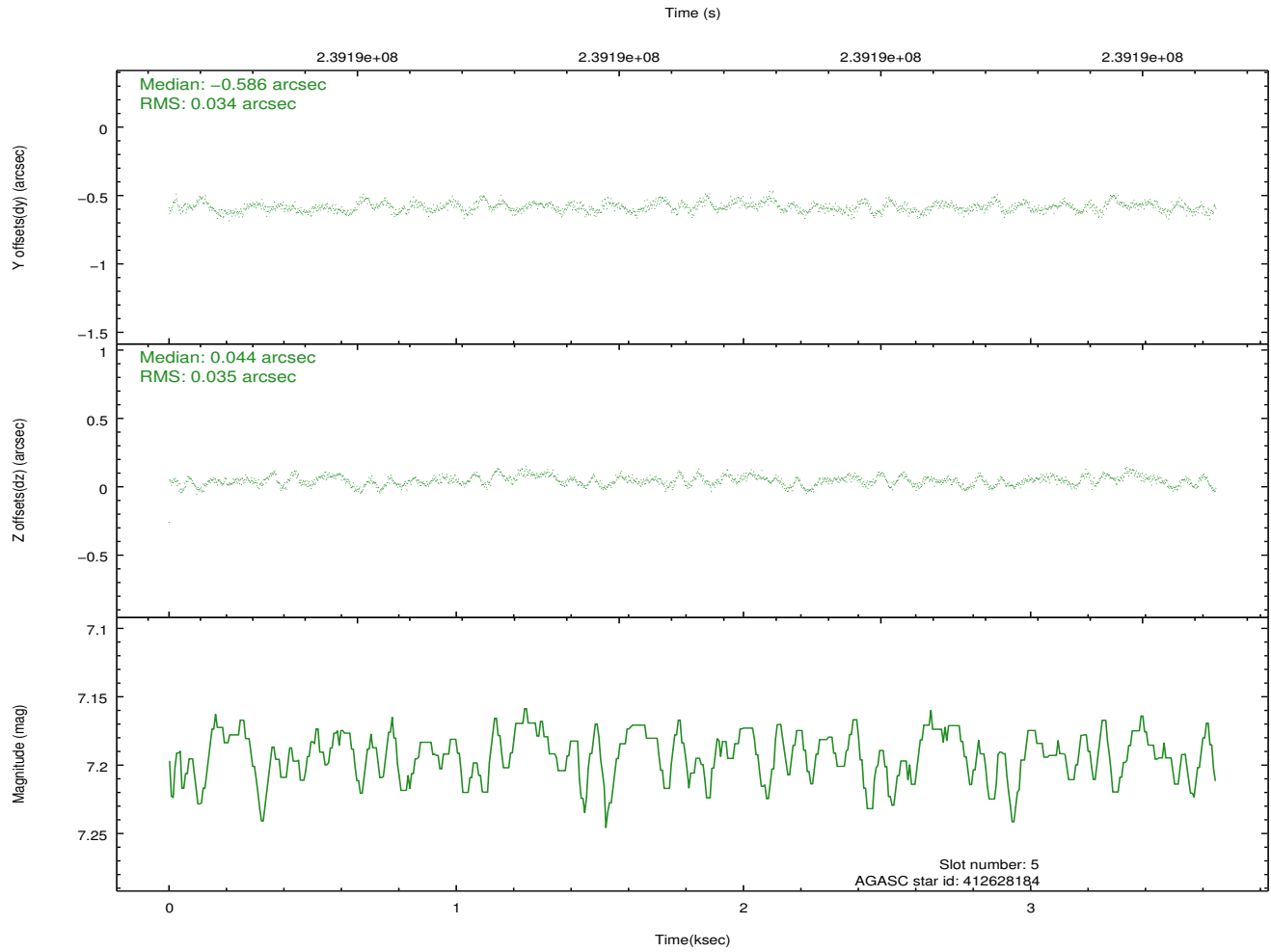
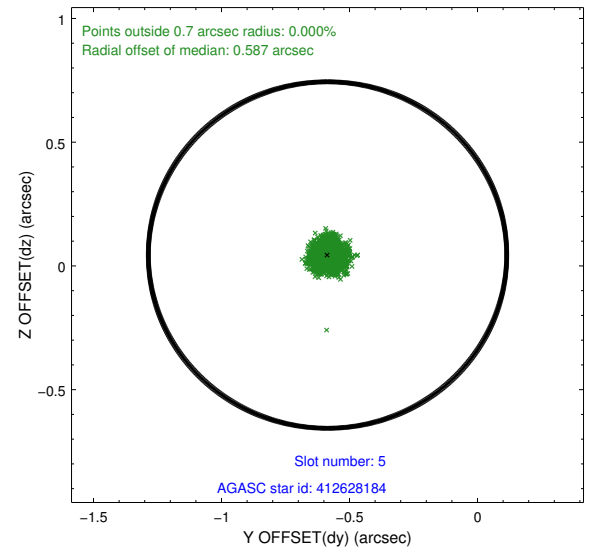
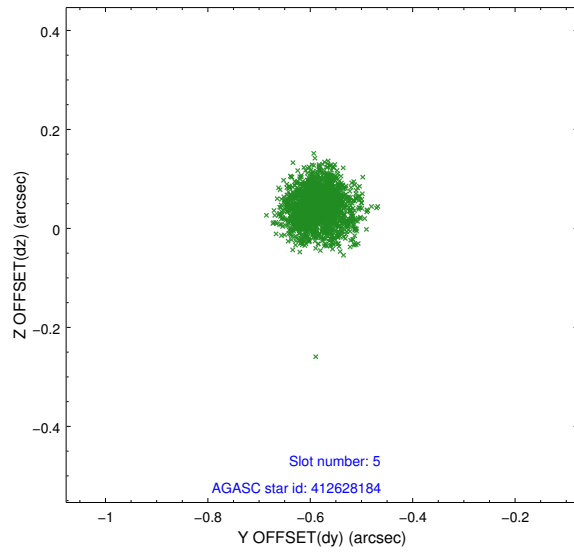
2.4.1 Slot 3



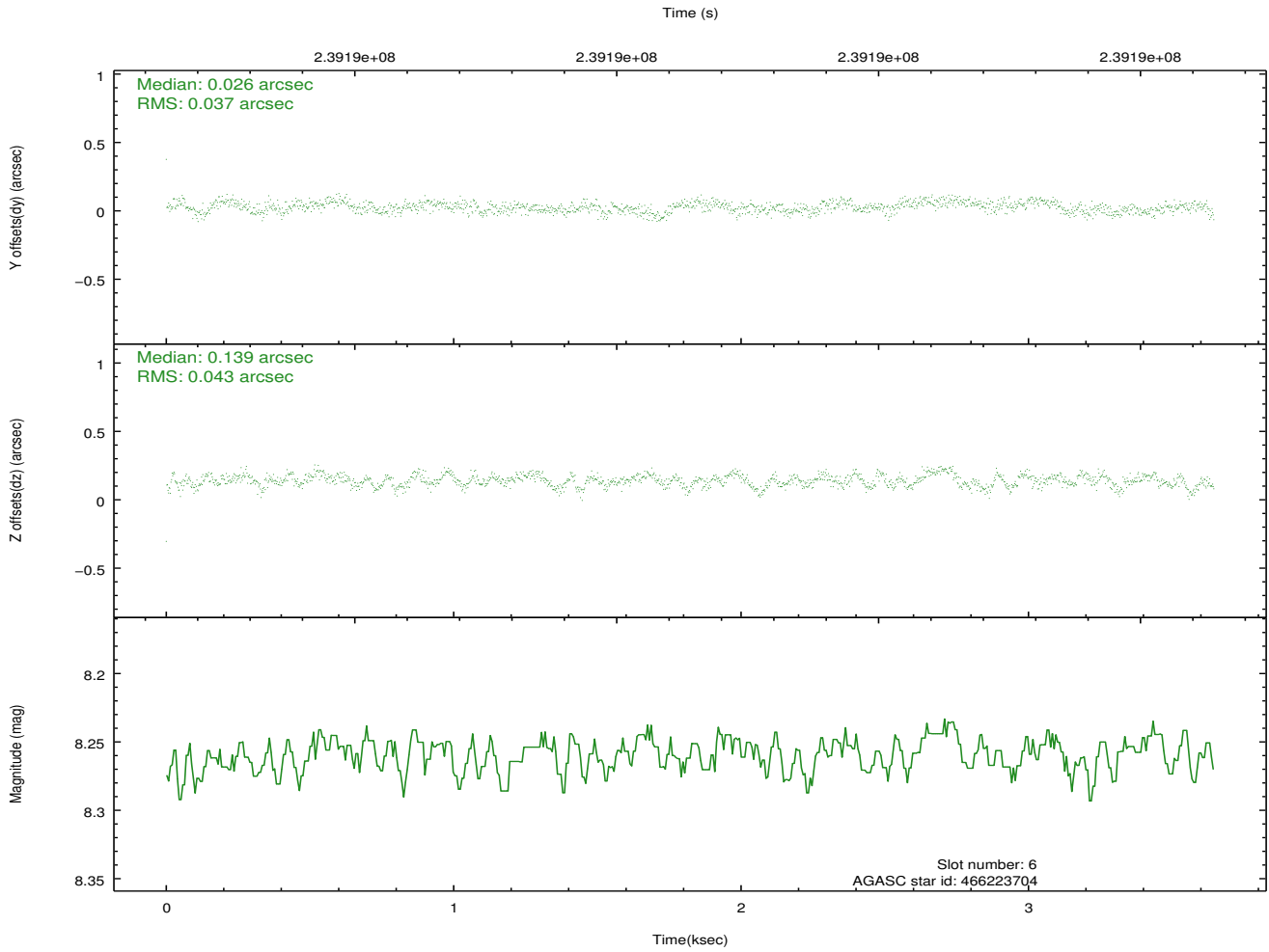
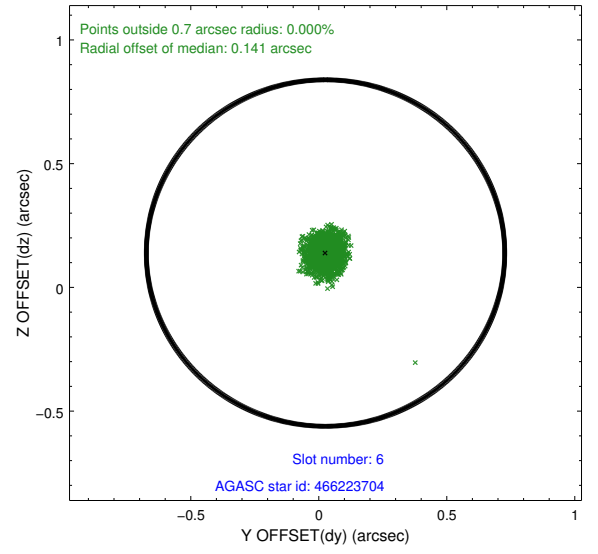
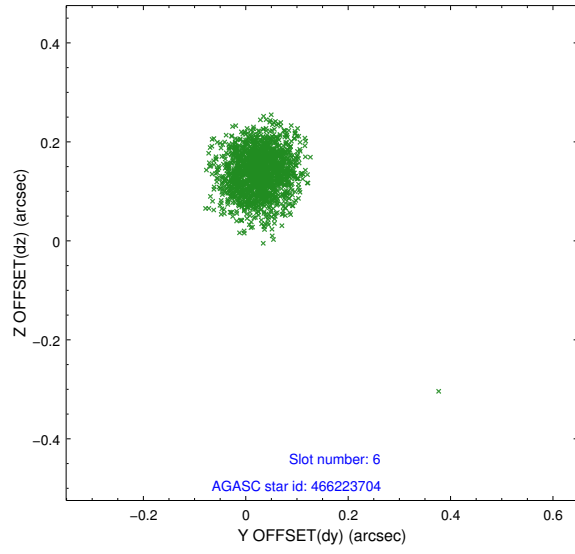
2.4.2 Slot 4



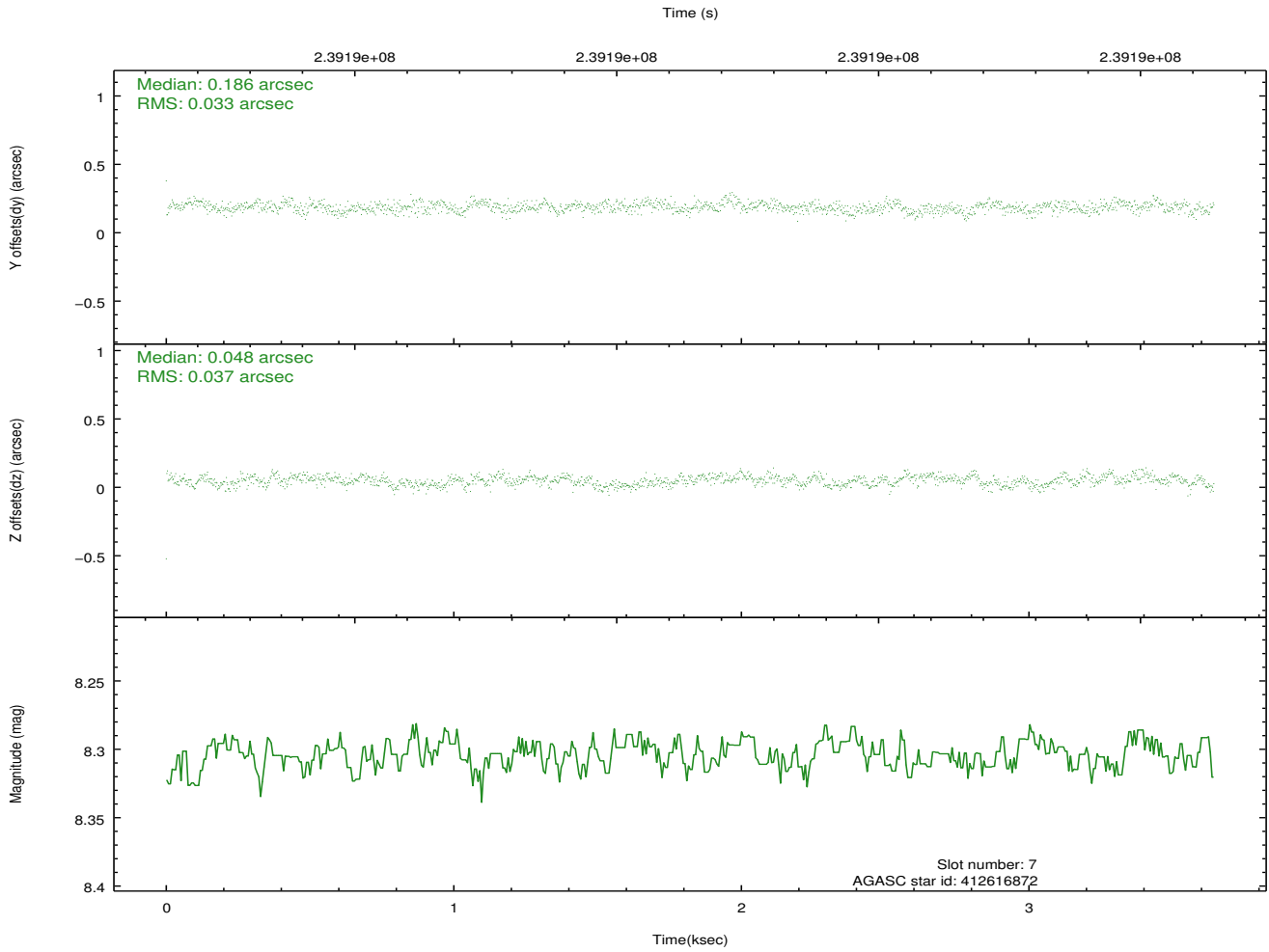
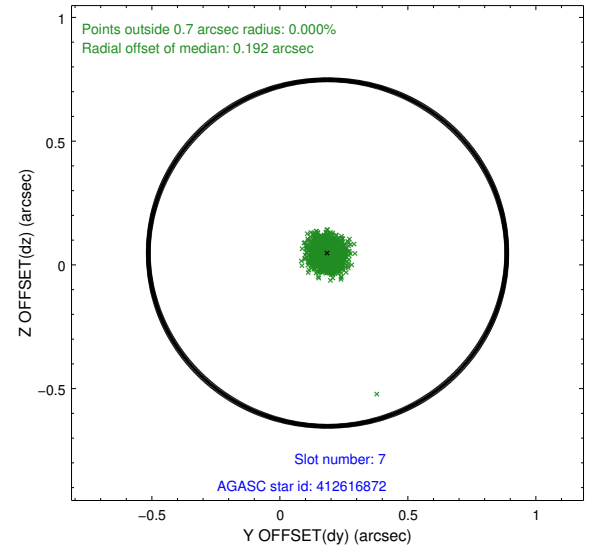
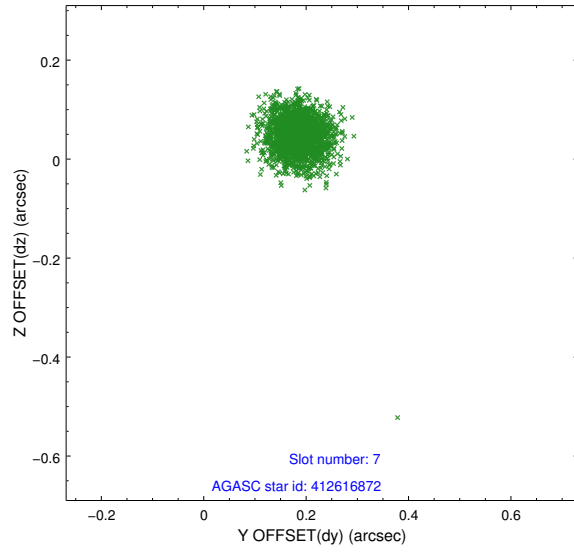
2.4.3 Slot 5



2.4.4 Slot 6

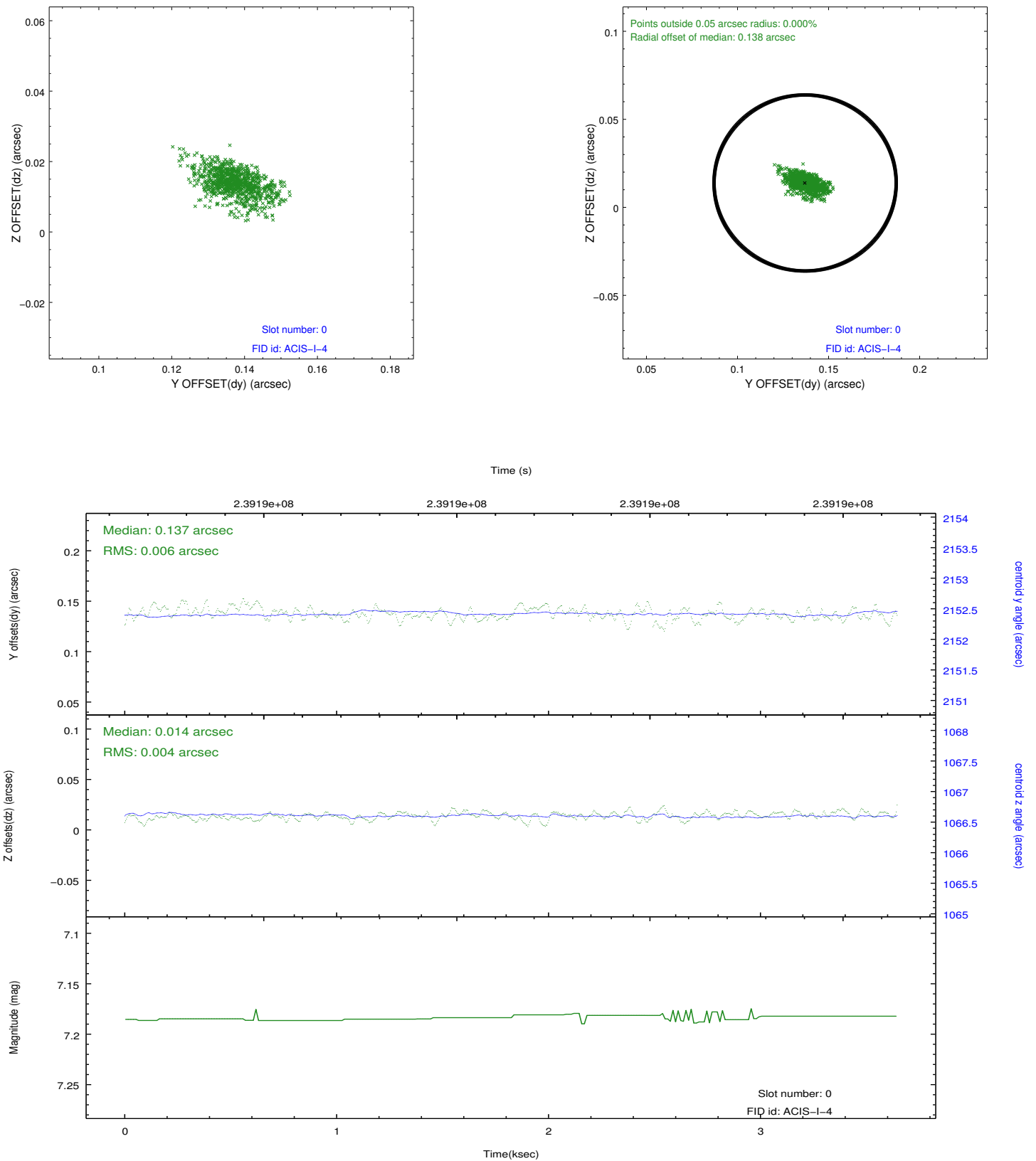


2.4.5 Slot 7

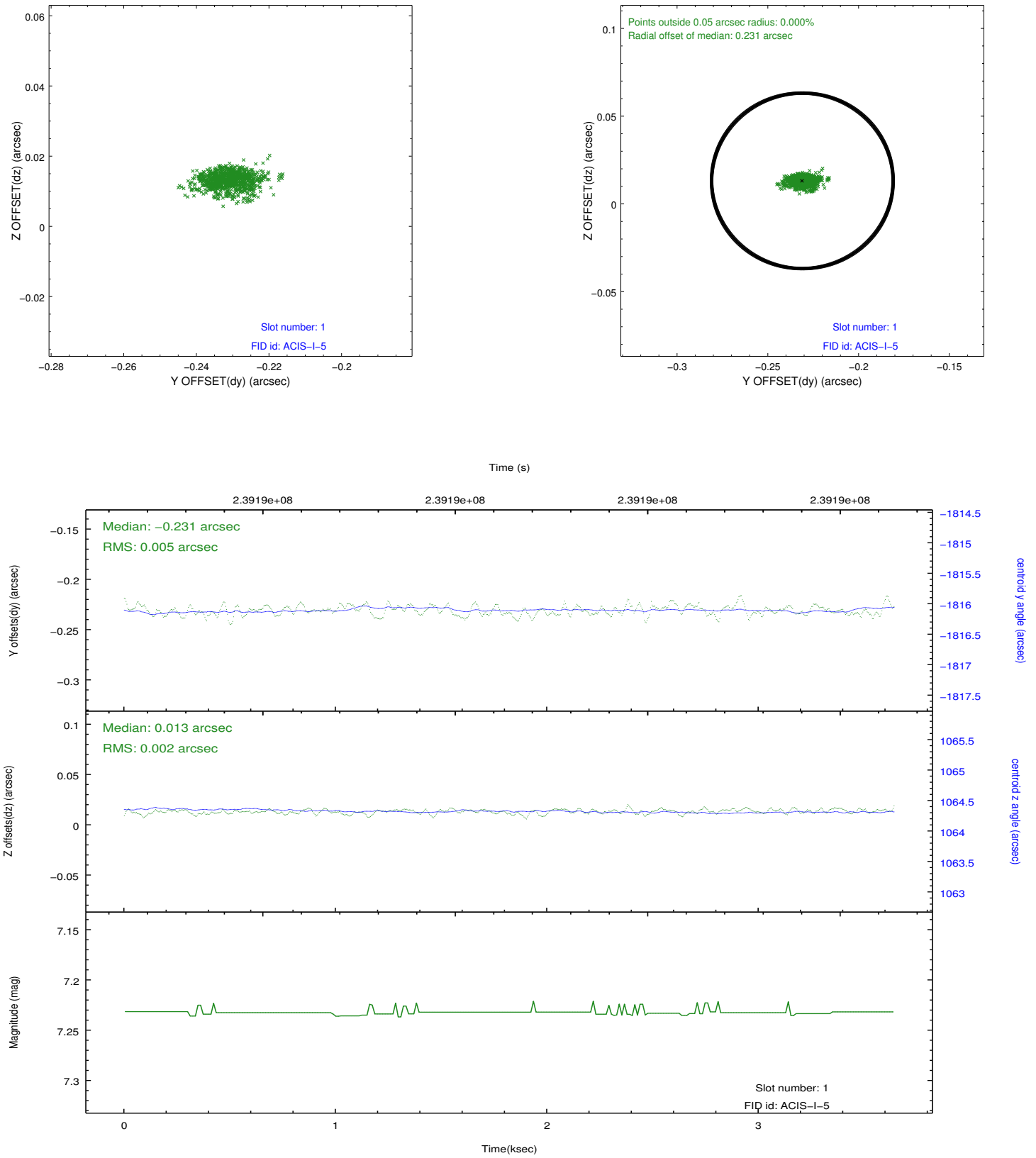


2.5 FID Slots

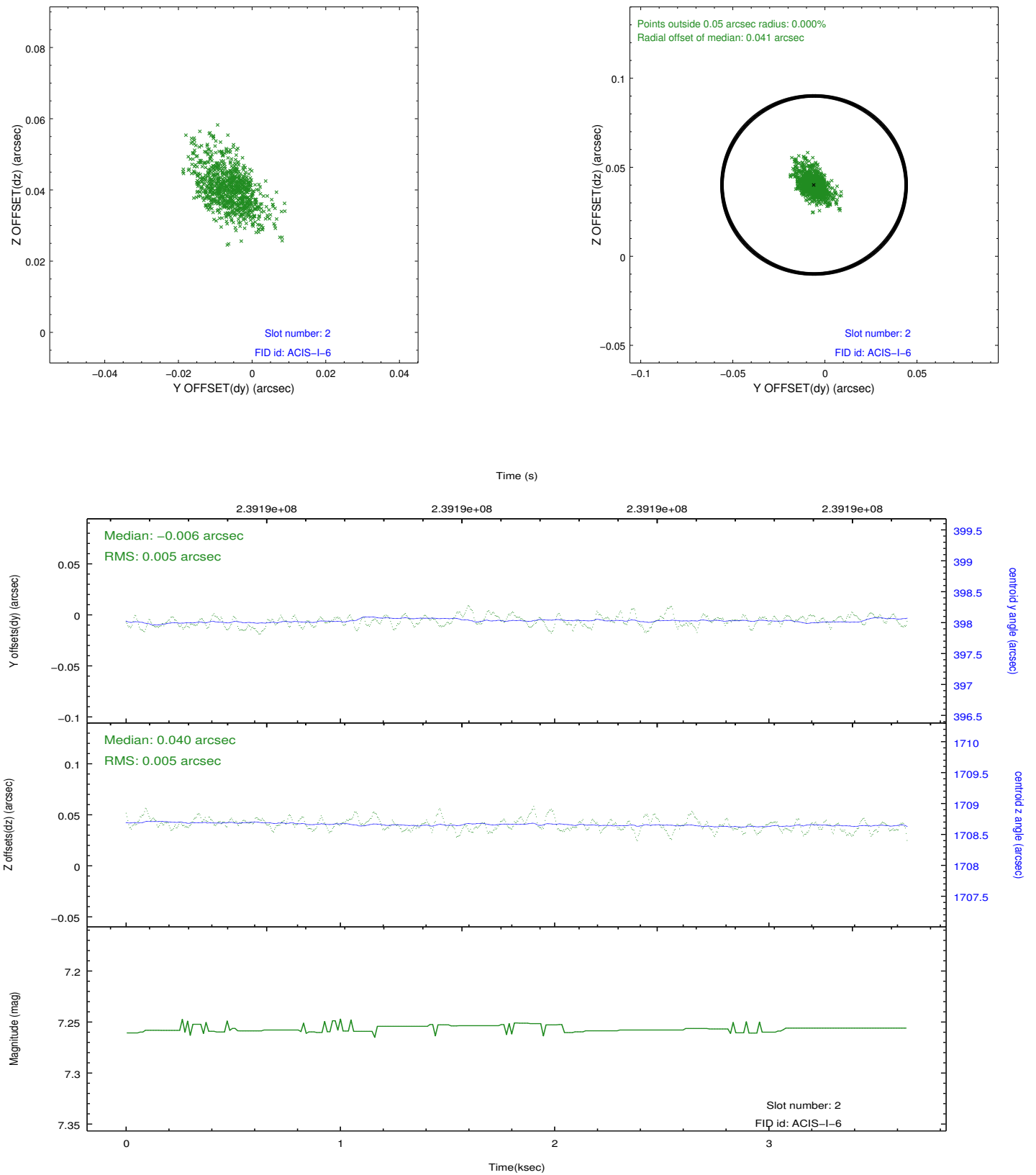
2.5.1 Slot 0



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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.638

A.2 Comments