

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7892 - L2 Version 2
Chandra X-Ray Center

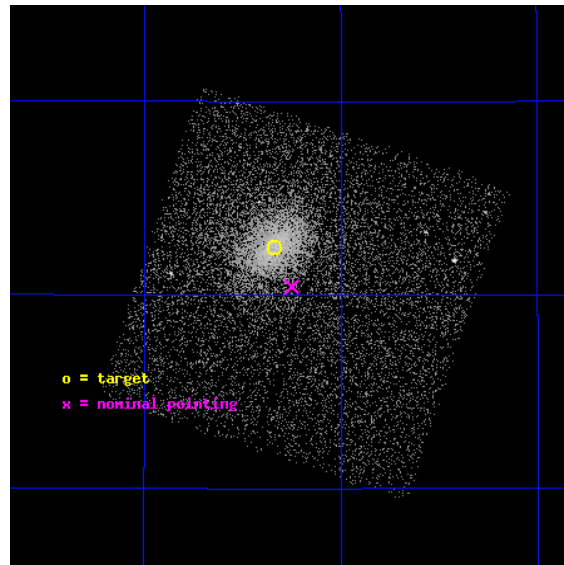
L2 Processing Date : May 1 2012

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1 Front

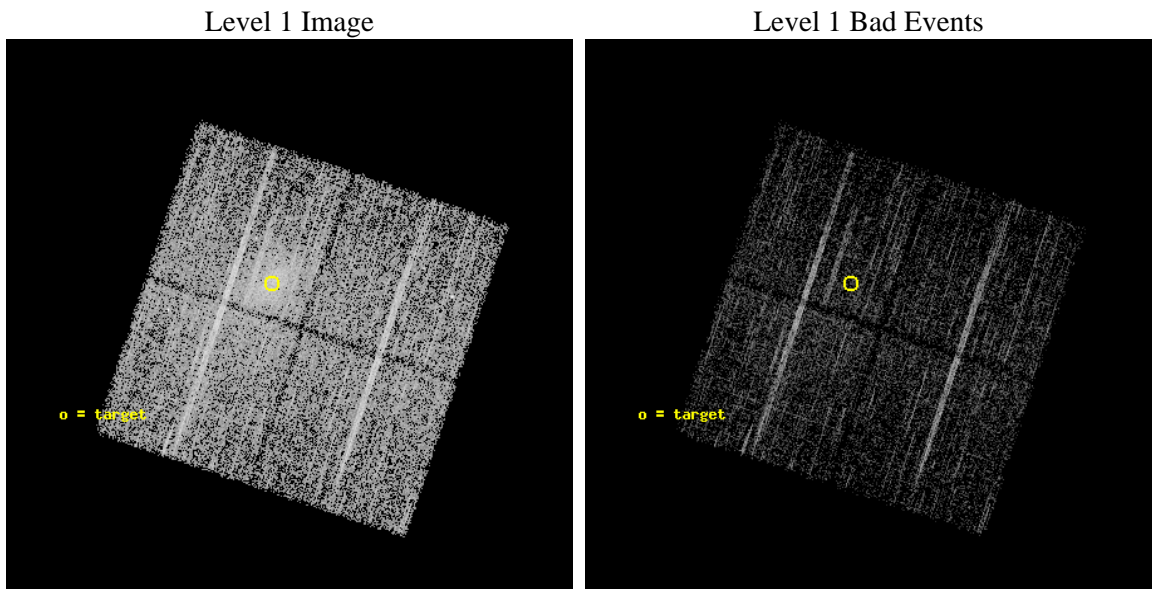
seq_num	701555	Sequence number
obs_id	7892	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	ABELL2219	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.084583	Observer's specified target RA [deg]
dec_targ	46.708056	Observer's specified target Dec [deg]
ra_nom	250.06251942266	Nominal RA [deg]
dec_nom	46.673813089114	Nominal Dec [deg]
roll_nom	288.50218479164	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5149.0182186365	Sum of GTIs [s]
livetime	5081.742504958	Livetime [s]
ontime0	5155.300039649	Sum of GTIs [s]
ontime1	5155.300039649	Sum of GTIs [s]
ontime2	5155.300039649	Sum of GTIs [s]
ontime3	5149.0182186365	Sum of GTIs [s]
l2events	19032	Number of level 2 events



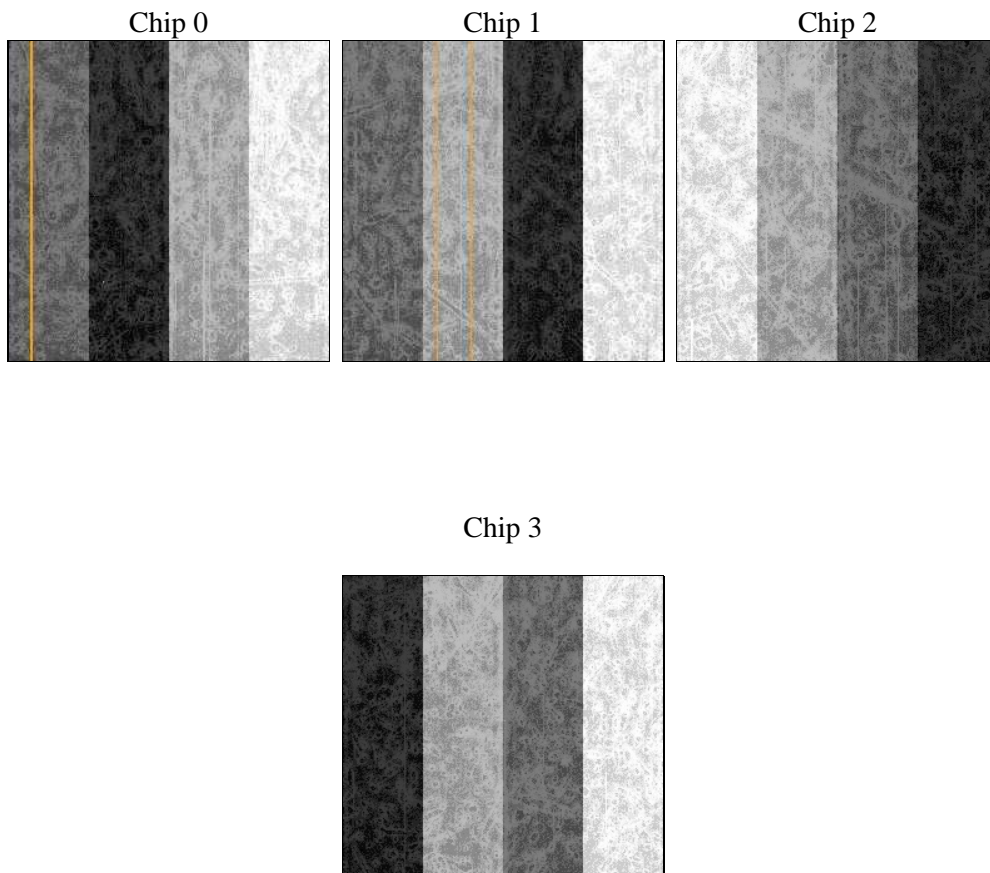
2 OBI

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	8.4.4	Processing system revision	ontime	5149.0182186365	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5155.300039649	Sum of GTIs [s]
date	2012-05-01T21:42:37	Date and time of file creation	ontime1	5155.300039649	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5155.300039649	Sum of GTIs [s]
			ontime3	5149.0182186365	Sum of GTIs [s]
			l1events	183995	Number of level 1 events

2.1.4 Events

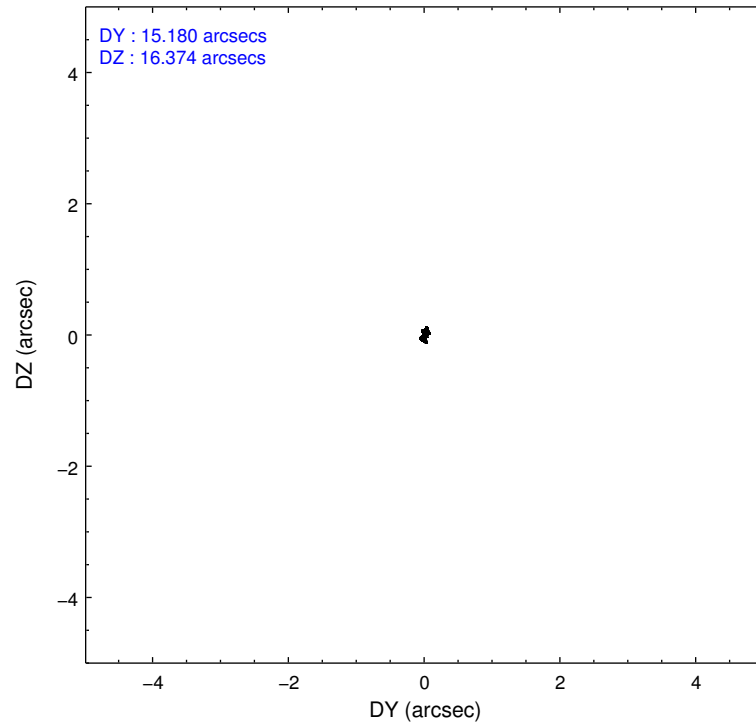
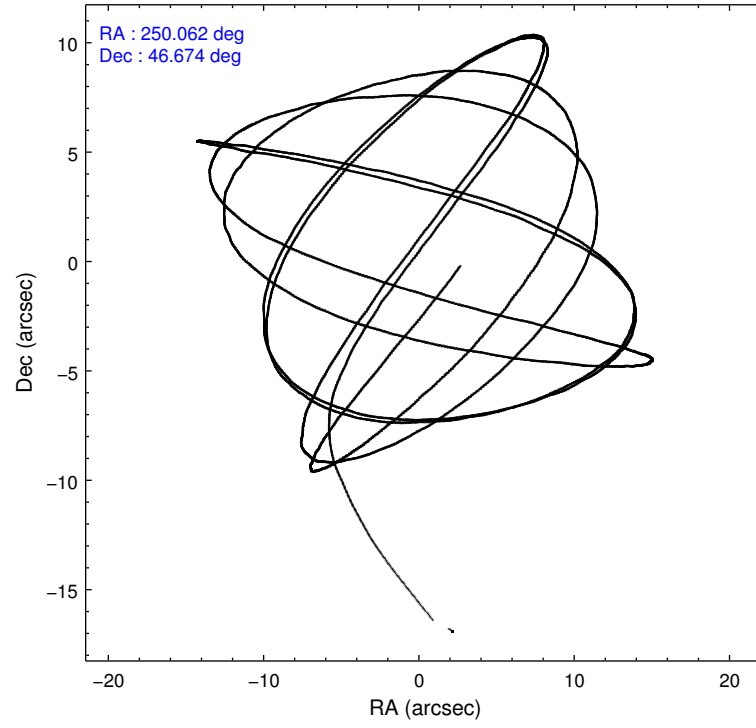
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	41464	41431	49366	51734
rejected events	38131	37400	45158	41195
rejected %	91%	90%	91%	79%

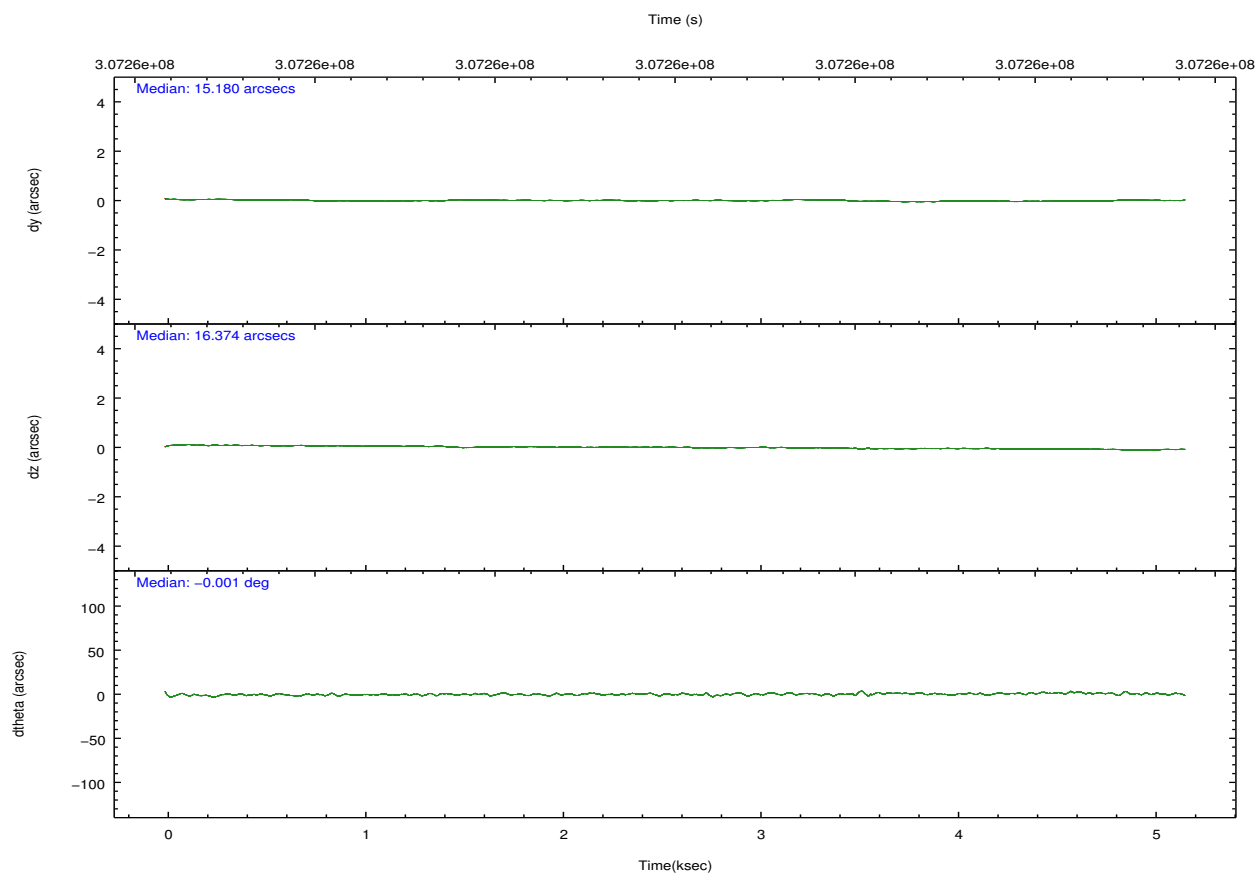
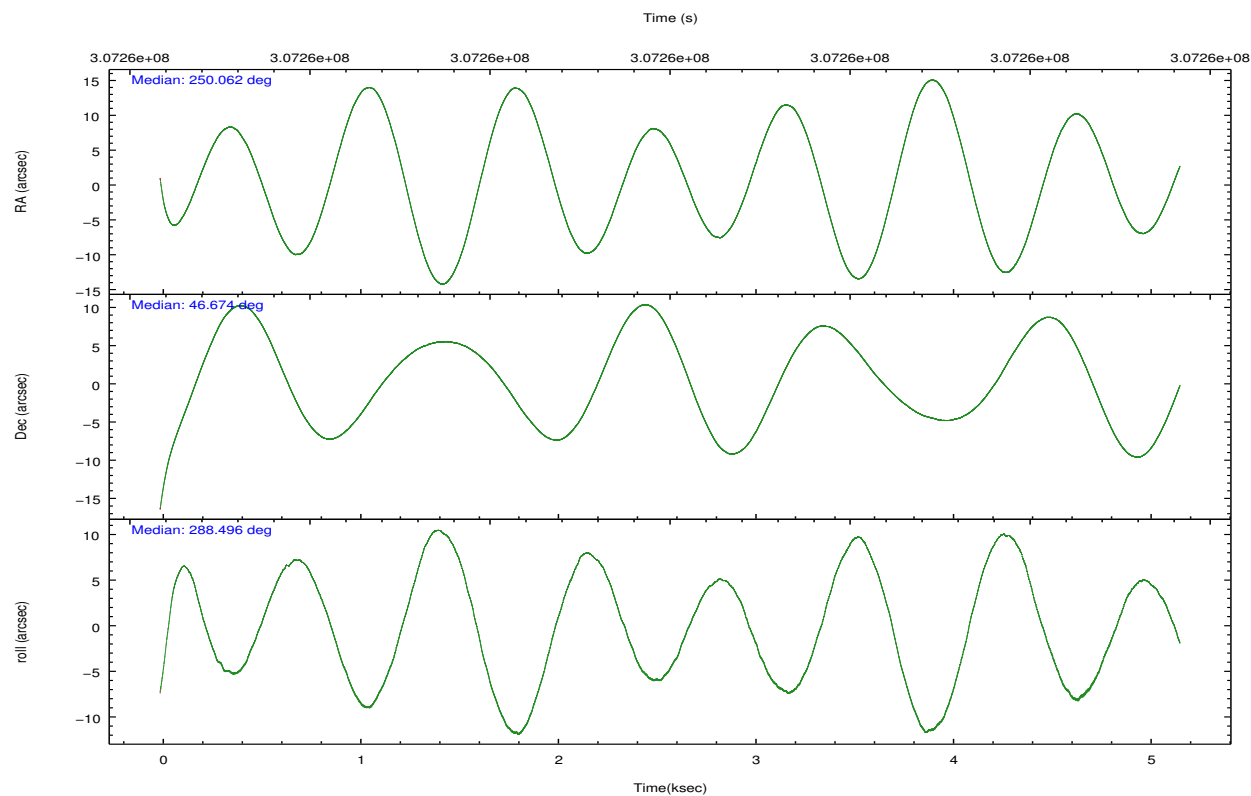
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1660	2226	2383	7890
	4%	5%	4%	15%
grade 1 events	21	30	33	61
	0%	0%	0%	0%
grade 2 events	985	990	1061	1582
	2%	2%	2%	3%
grade 3 events	469	479	452	668
	1%	1%	0%	1%
grade 4 events	466	487	435	647
	1%	1%	0%	1%
grade 5 events	753	889	631	962
	1%	2%	1%	1%
grade 6 events	556	708	589	730
	1%	1%	1%	1%
grade 7 events	36554	35622	43782	39194
	88%	85%	88%	75%

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	250.032428	250.0625194226644	Subarray requested	NONE	NONE
[deg] Pointing Dec	46.692013	46.67381308911441	Alternating exposures requested	N	N
[deg] Pointing Roll	288.315420	288.5021847916371	[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)	307255570.184000	307254017.70316			
Observation start date	2007-09-27T04:45:05	2007-09-27T04:20:17			
[s] Observation end time (MET)	307260570.184000	307261375.15351			
Observation end date	2007-09-27T06:08:25	2007-09-27T06:22:55			
Read mode	TIMED	TIMED			

2.3 Aspect



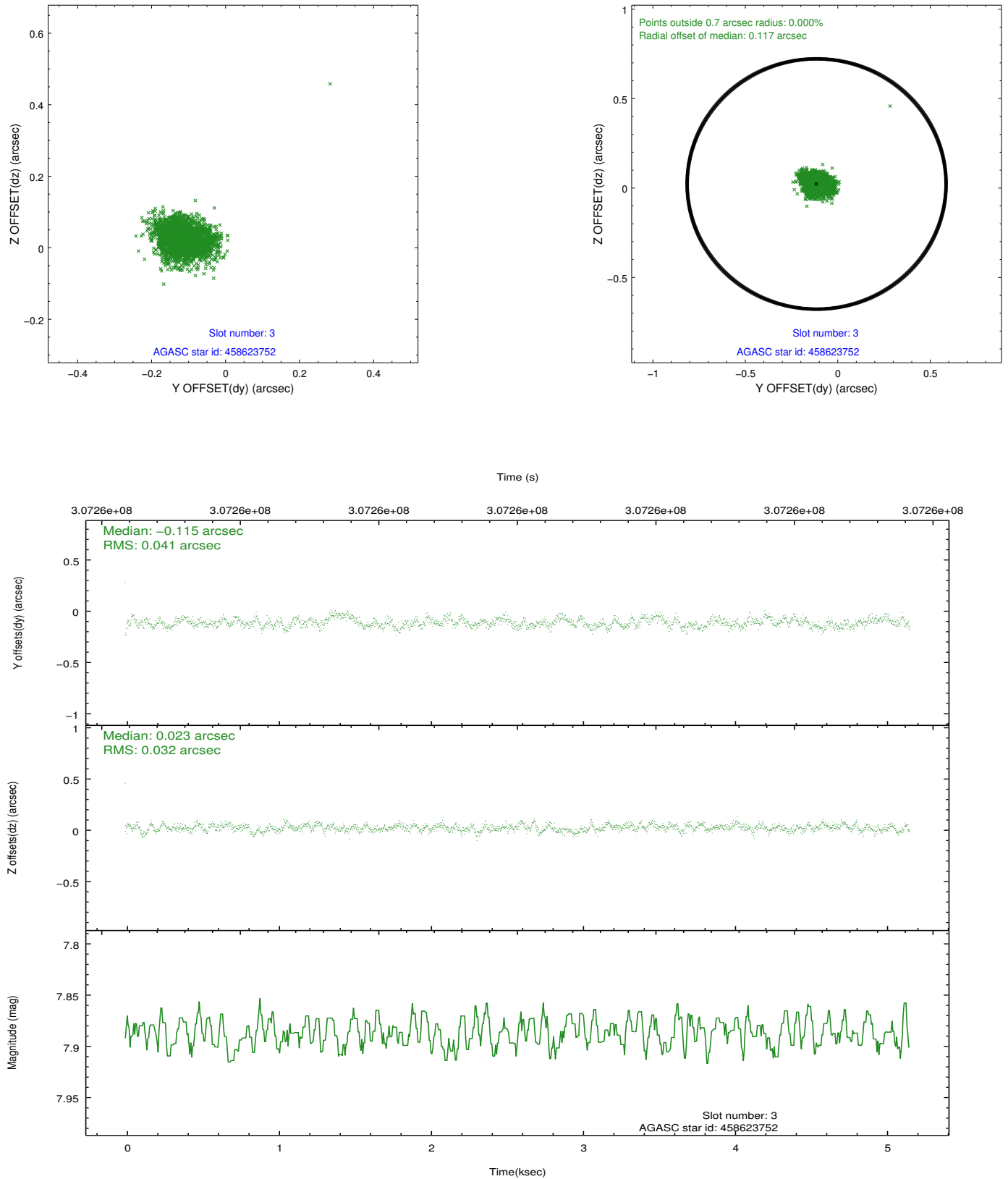


Slot Statistics

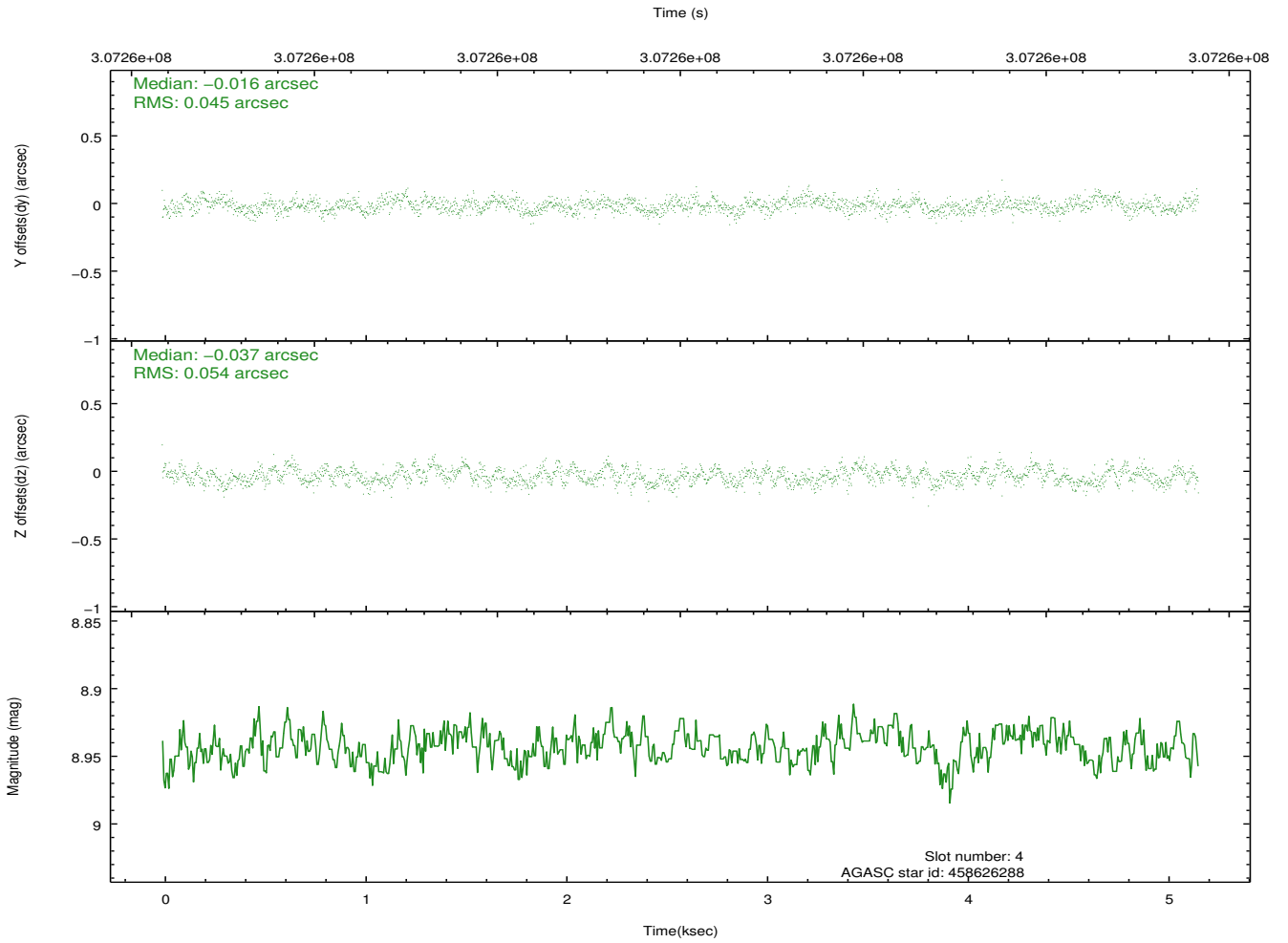
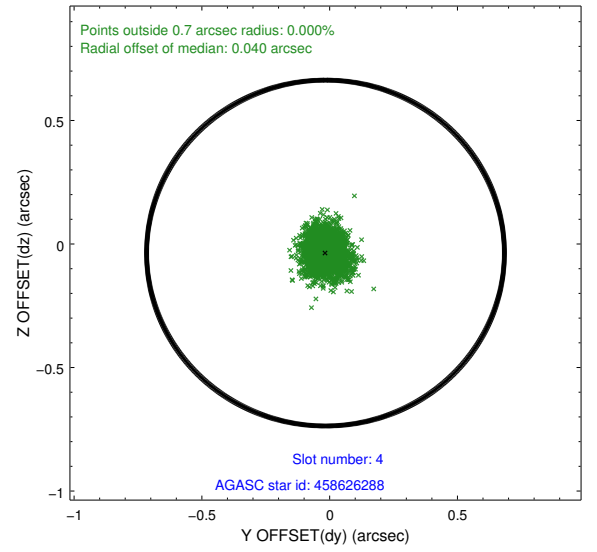
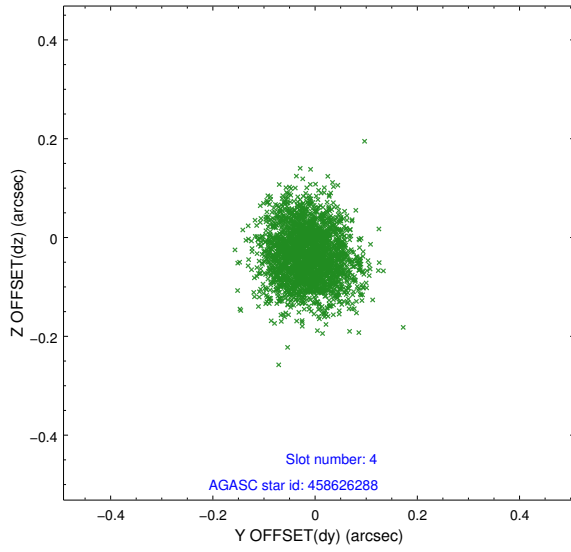
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1260	-0.037	-0.008	0.009	0.015	0.000000	0.000000	924.23	-840.02
1	FID	ACIS-I-2	7.15	1260	-0.141	-0.041	0.007	0.013	0.000000	0.000000	-769.32	-847.07
2	FID	ACIS-I-4	7.15	1260	0.081	0.117	0.007	0.013	0.000000	0.000000	2143.71	1059.30
3	GUIDE	458623752	7.89	2519	-0.115	0.023	0.054	0.087	249.631548	46.393849	703.96	-1281.05
4	GUIDE	458626288	8.94	2517	-0.016	-0.037	0.075	0.120	250.637186	47.079533	-863.76	1847.14
5	GUIDE	458626368	8.15	2517	-0.071	-0.175	0.067	0.107	249.060506	46.794229	-1116.24	-2153.04
6	GUIDE	458634664	9.20	2518	-0.004	0.042	0.099	0.167	251.009501	46.332103	1978.17	1902.93
7	GUIDE	458631896	9.05	2517	0.200	0.146	0.075	0.126	251.087277	46.252783	2310.44	2002.81

2.4 Star Slots

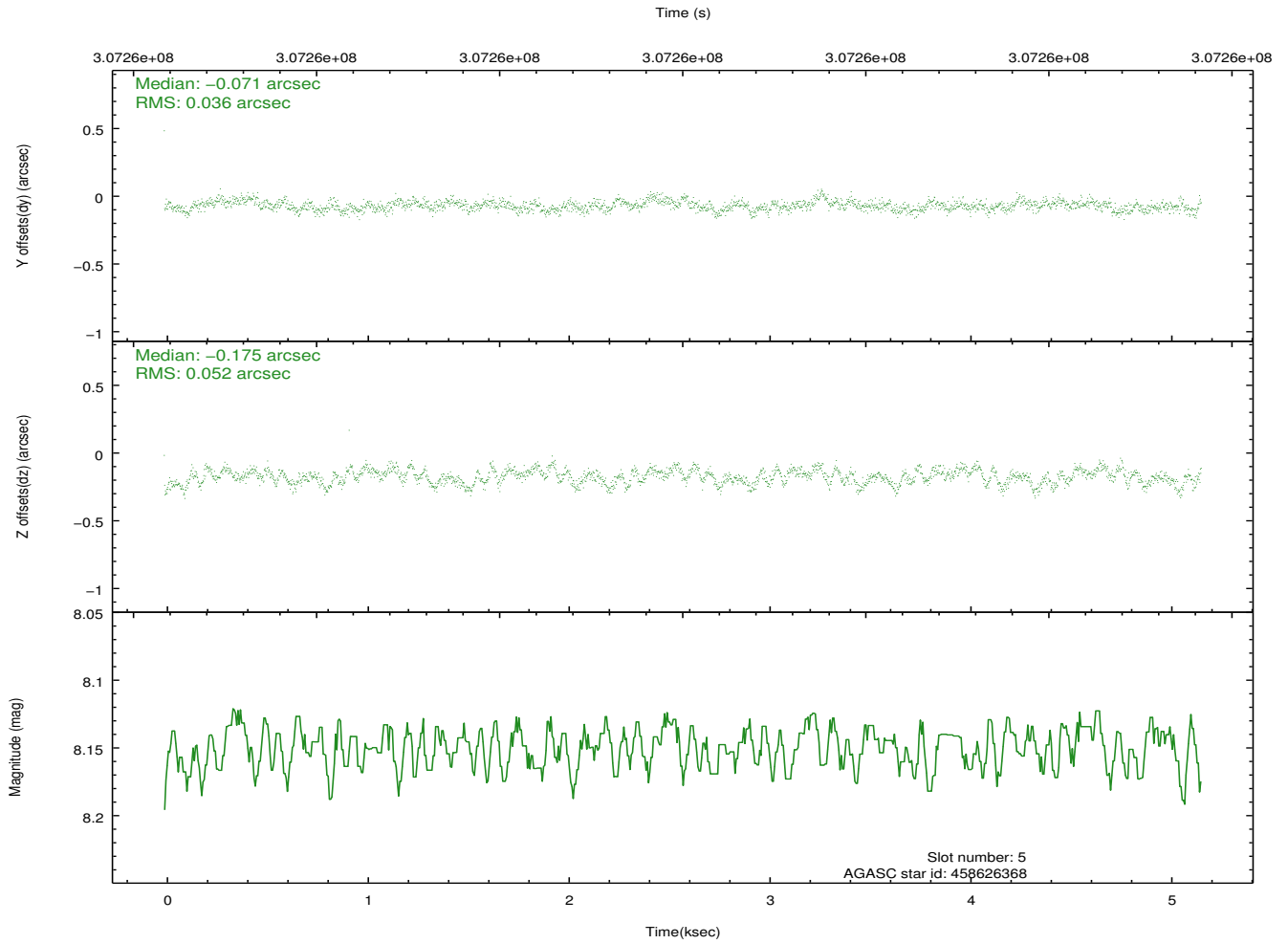
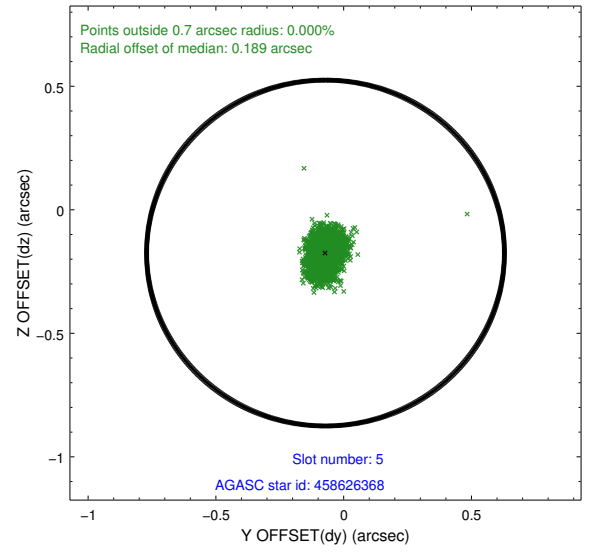
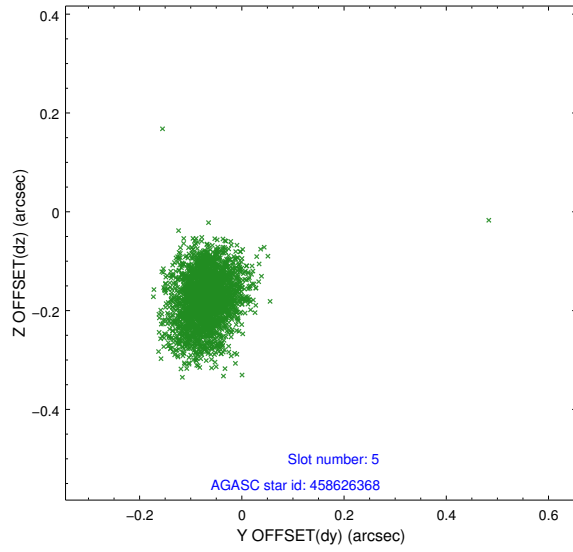
2.4.1 Slot 3



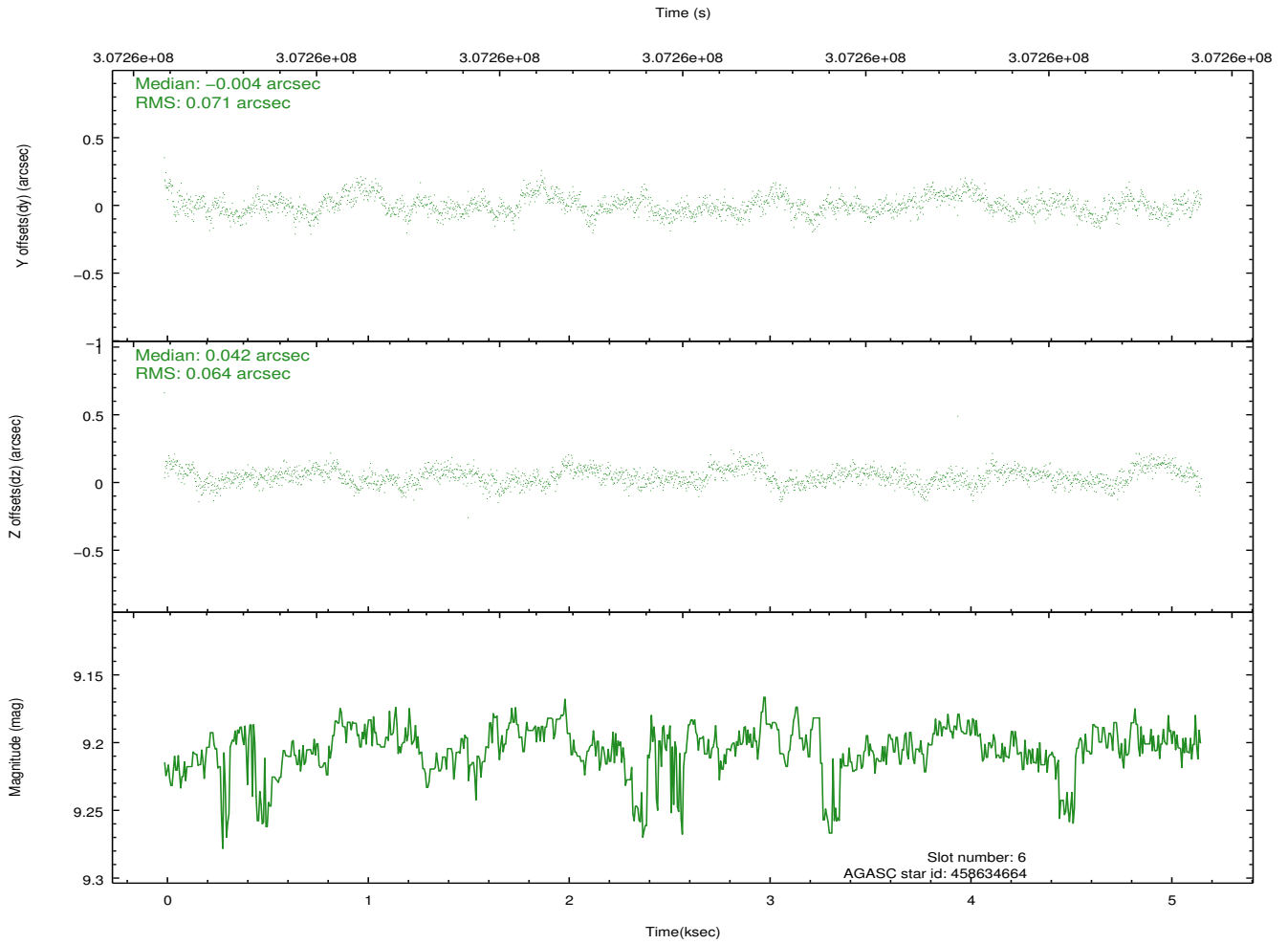
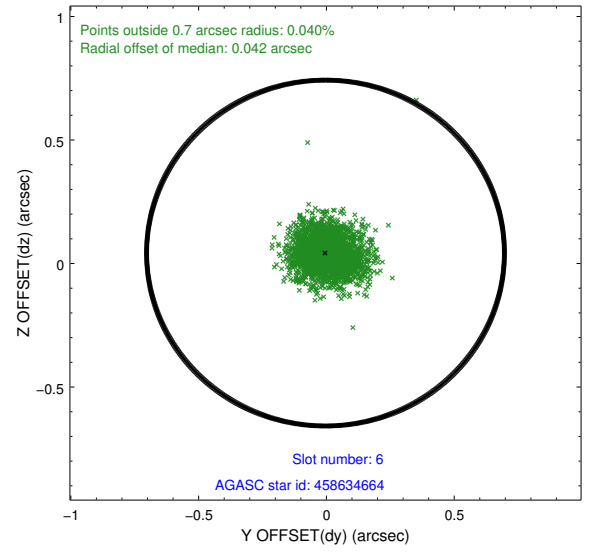
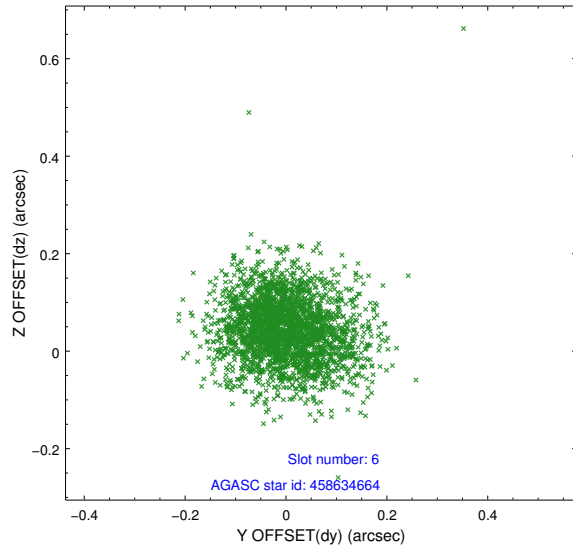
2.4.2 Slot 4



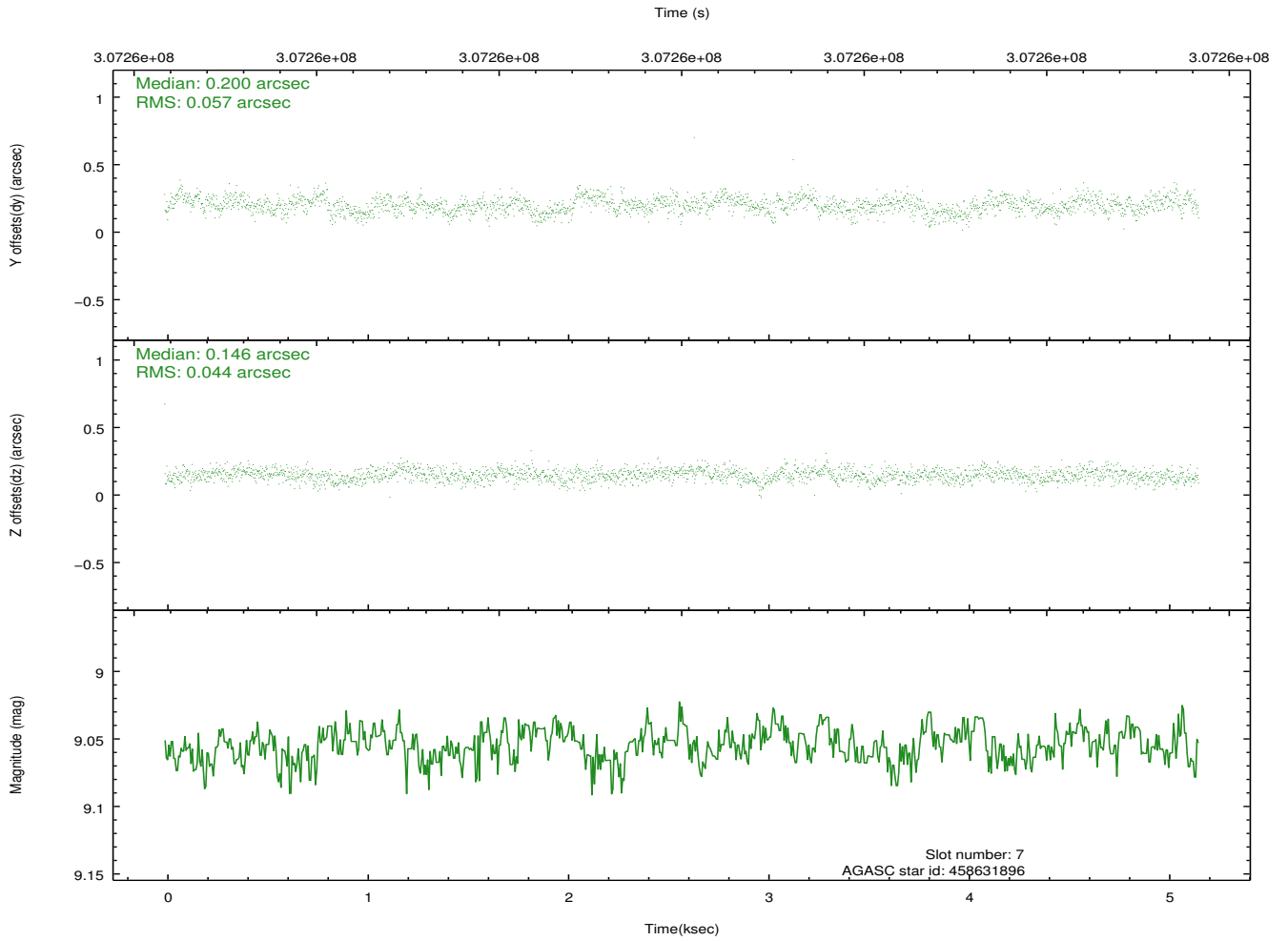
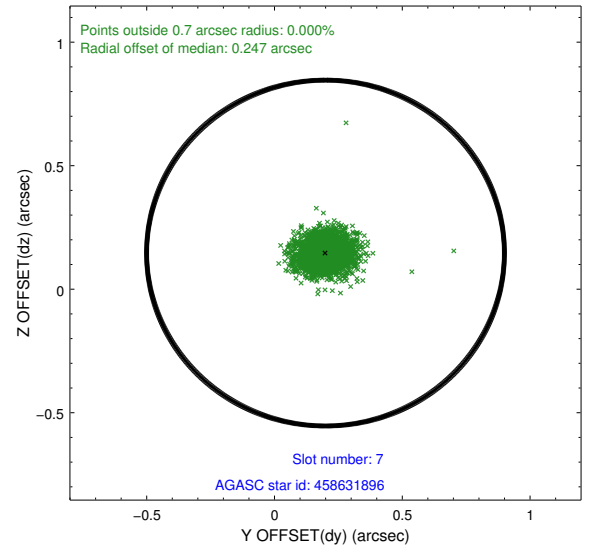
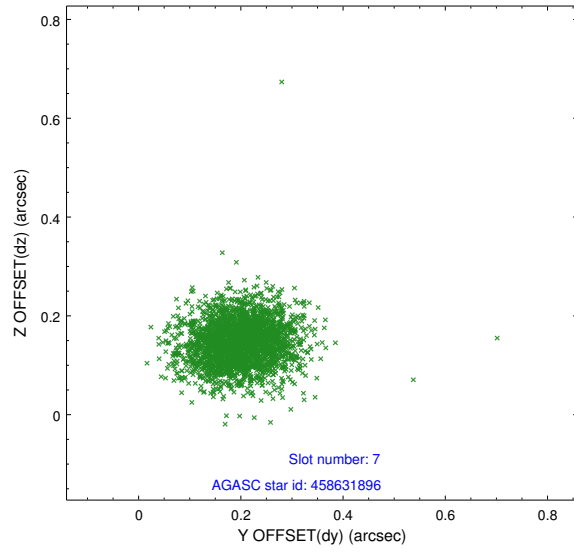
2.4.3 Slot 5



2.4.4 Slot 6

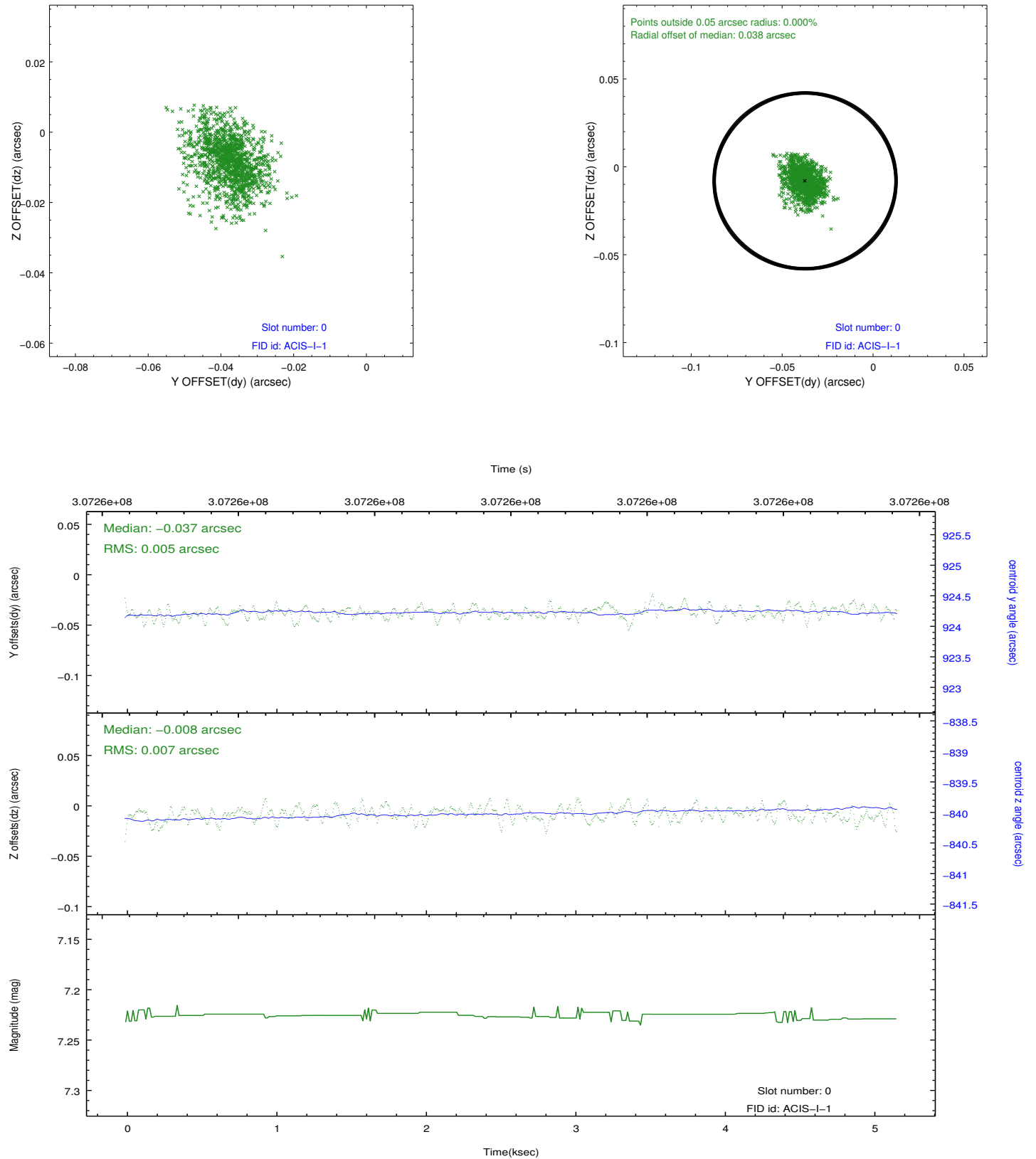


2.4.5 Slot 7

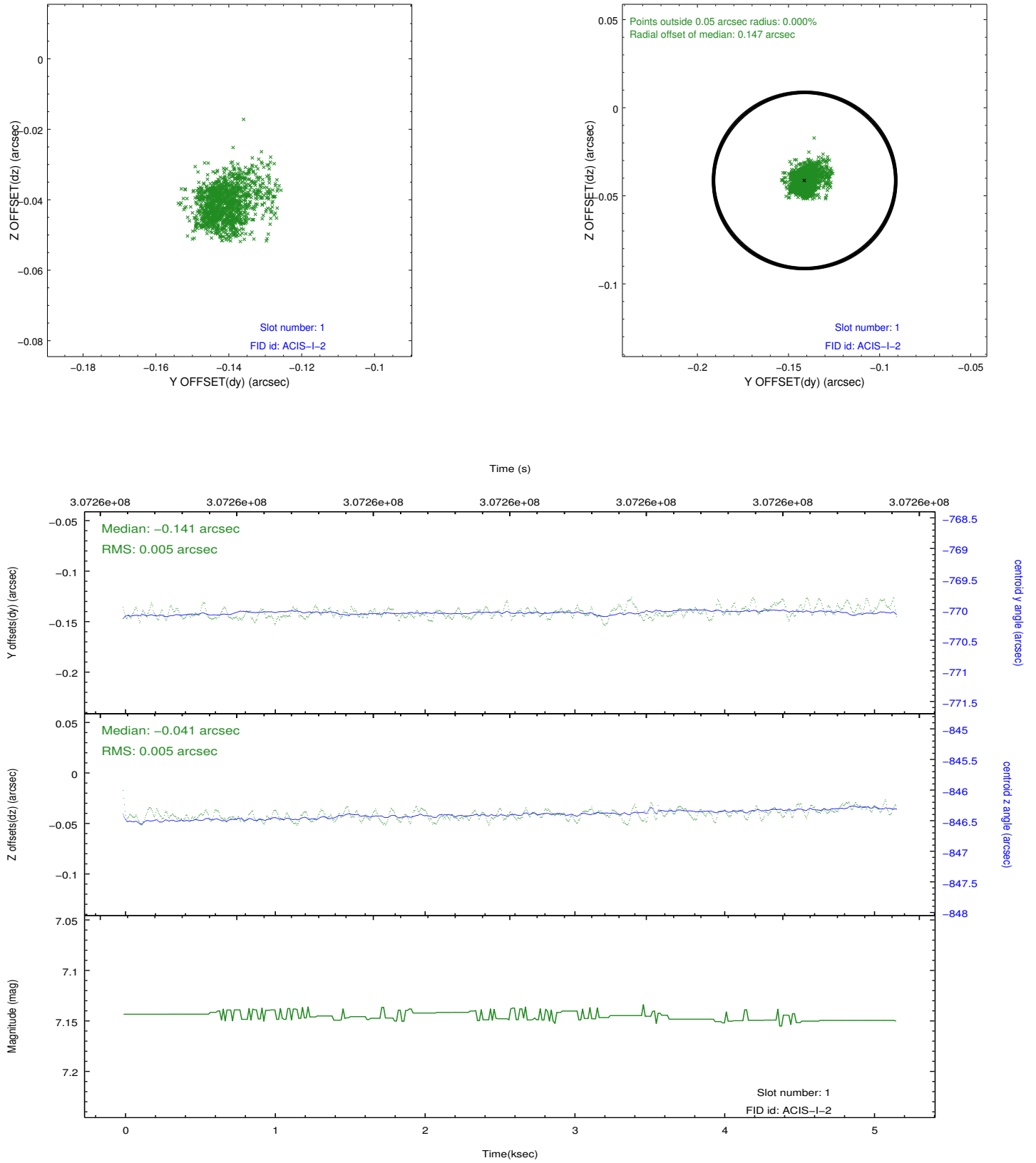


2.5 FID Slots

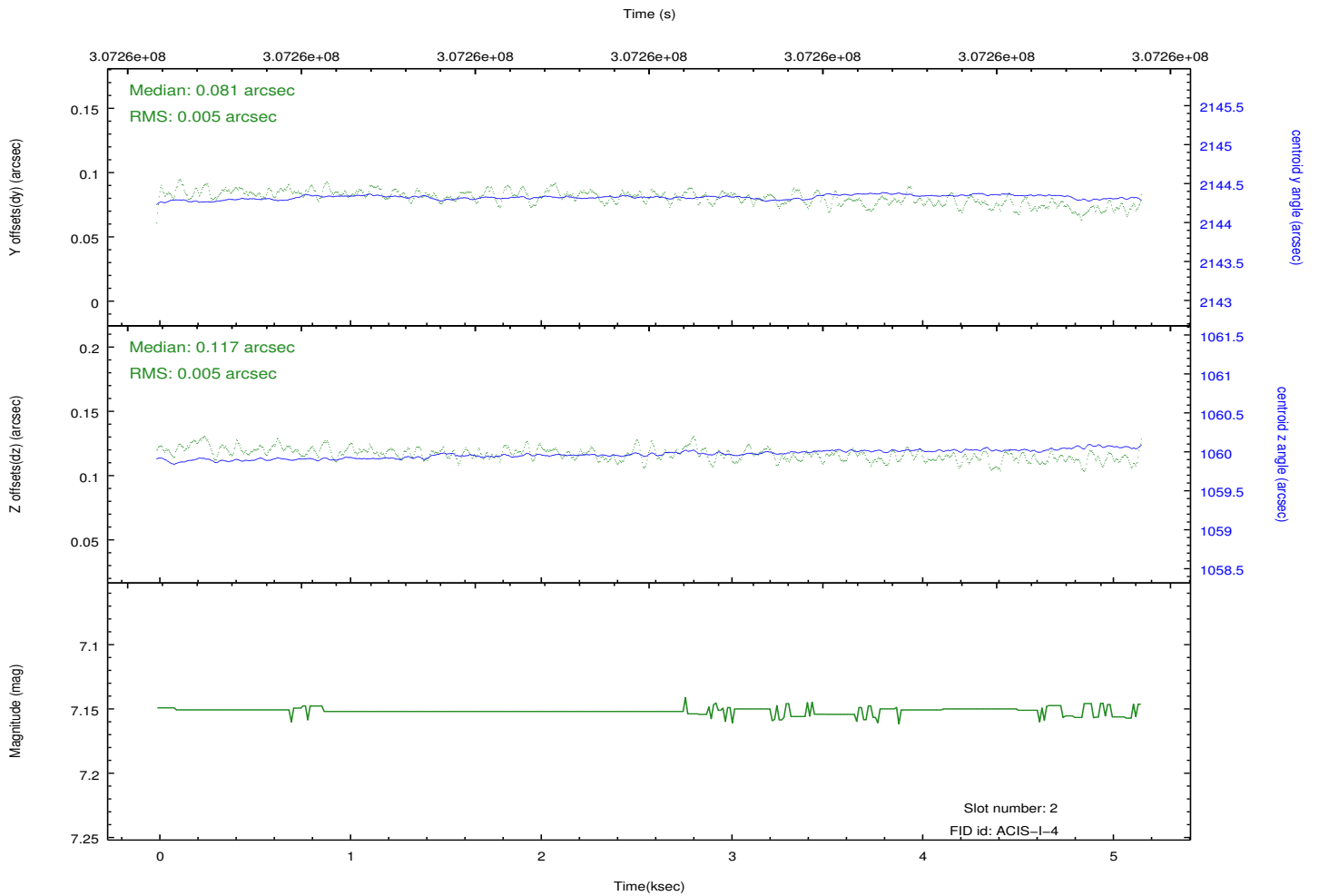
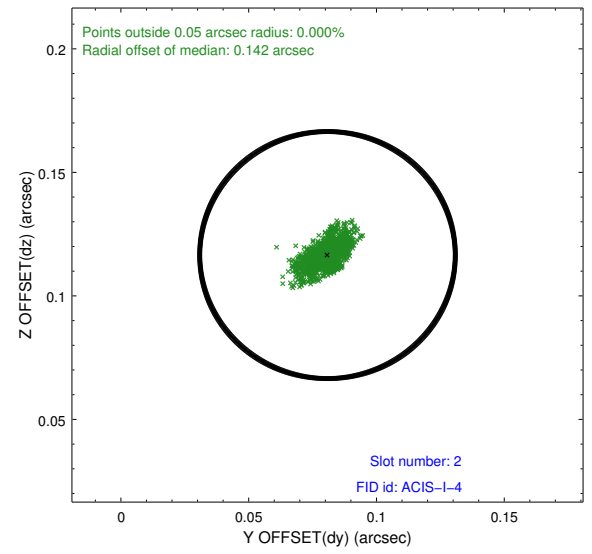
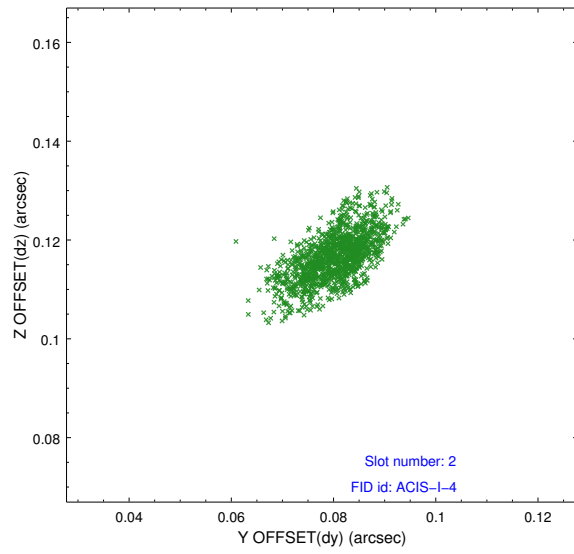
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.14901821

A.2 Comments