

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6642 - L2 Version 2
Chandra X-Ray Center

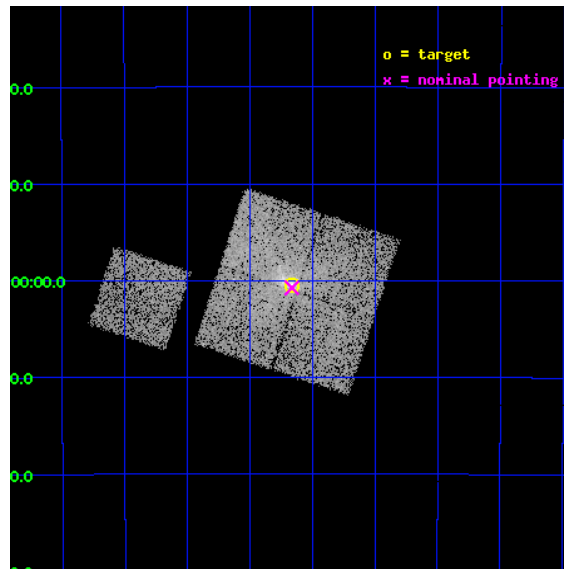
L2 Processing Date : Apr 4 2012

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1 Front

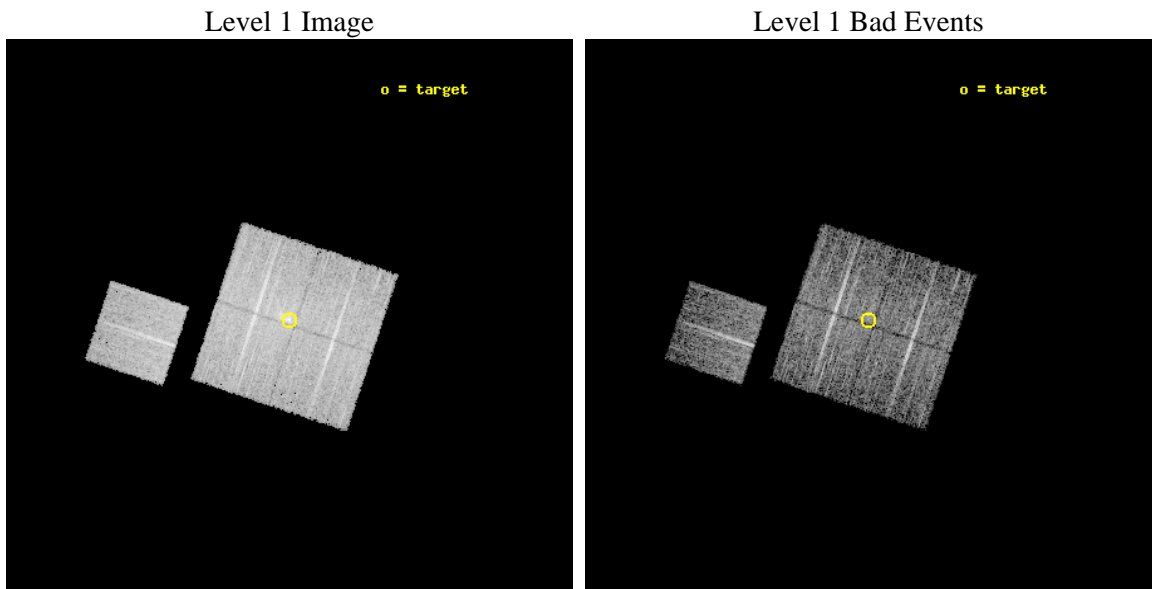
seq_num	400547	Sequence number
obs_id	6642	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41634007882	Nominal RA [deg]
dec_nom	-29.012399218716	Nominal Dec [deg]
roll_nom	288.39405000773	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5173.8589699566	Sum of GTIs [s]
livetime	5106.2586935746	Livetime [s]
ontime0	5176.9999900162	Sum of GTIs [s]
ontime1	5176.9999900162	Sum of GTIs [s]
ontime2	5176.9999900162	Sum of GTIs [s]
ontime3	5173.8589699566	Sum of GTIs [s]
ontime6	5176.9999900162	Sum of GTIs [s]
l2events	45484	Number of level 2 events



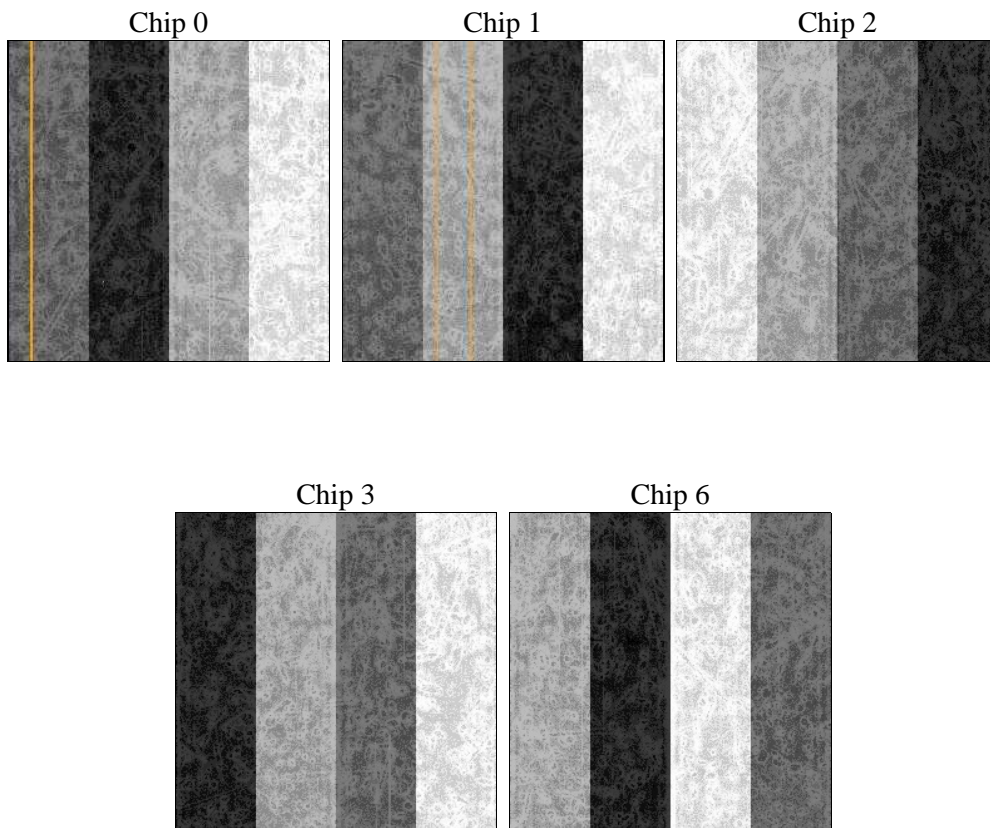
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5173.8589699566	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5176.9999900162	Sum of GTIs [s]
date	2012-04-04T19:42:36	Date and time of file creation	ontime1	5176.9999900162	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5176.9999900162	Sum of GTIs [s]
			ontime3	5173.8589699566	Sum of GTIs [s]
			ontime6	5176.9999900162	Sum of GTIs [s]
			l1events	285175	Number of level 1 events

2.1.4 Events

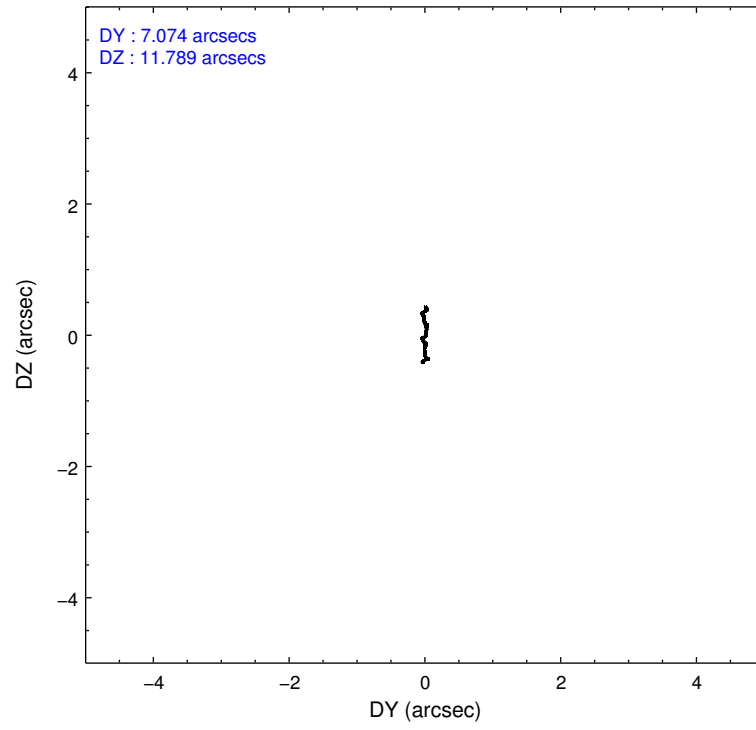
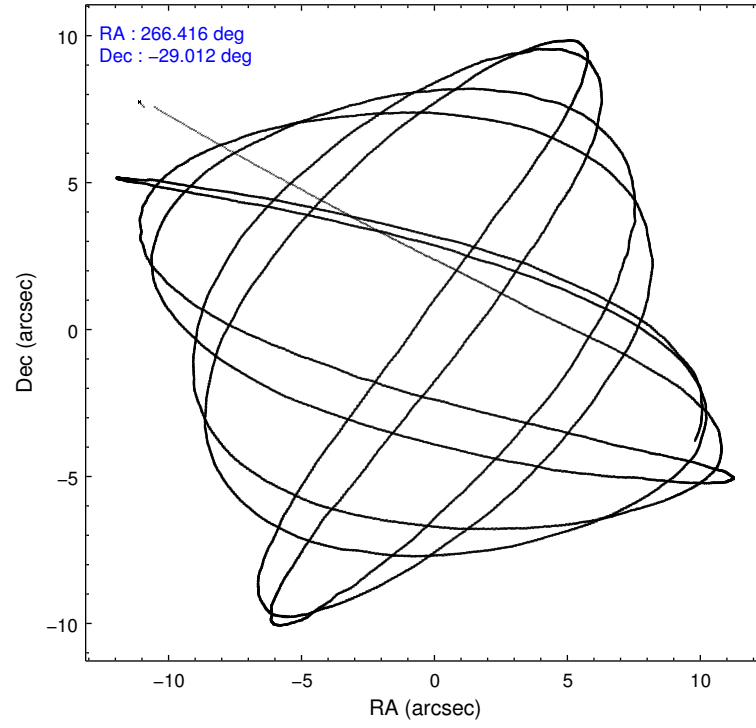
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	52461	53927	59898	65220	53669
rejected events	43467	44585	49224	50474	46903
rejected %	82%	82%	82%	77%	87%

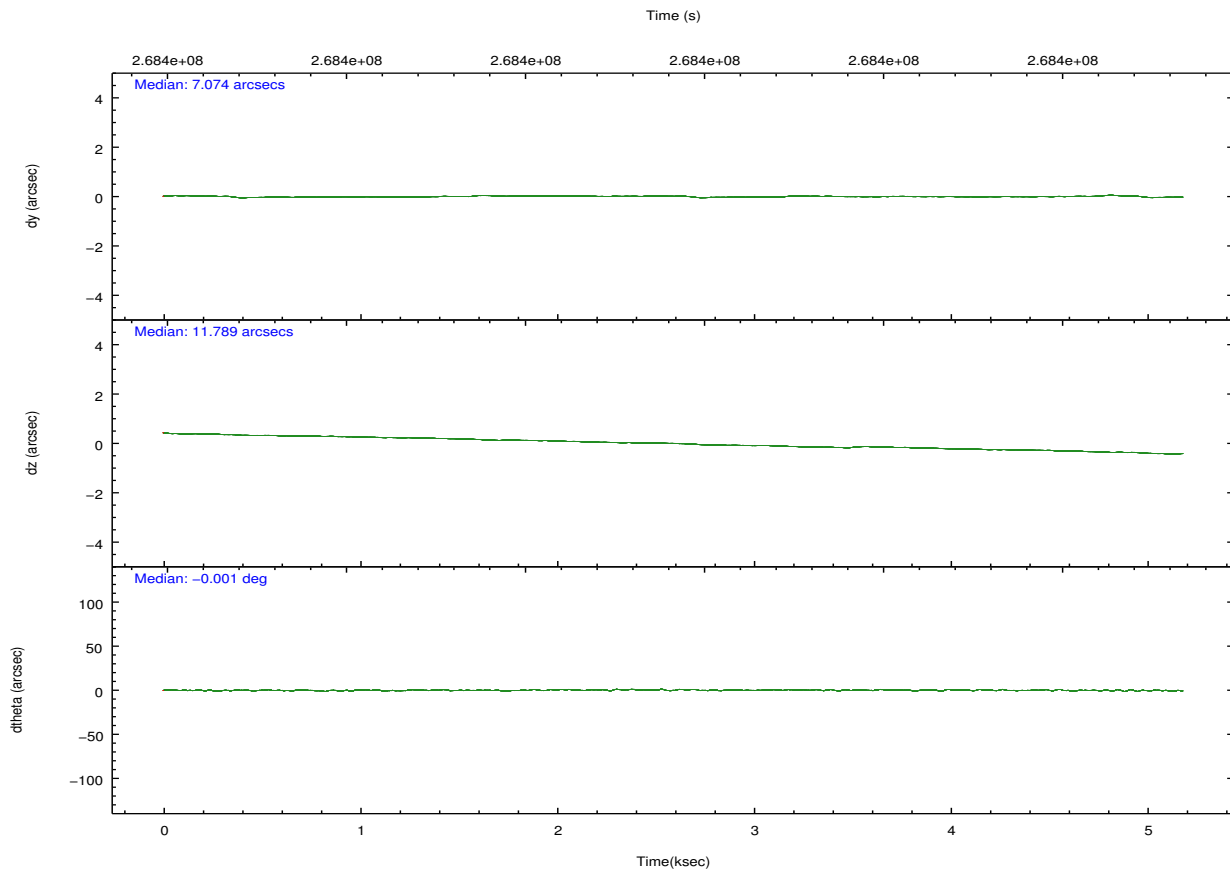
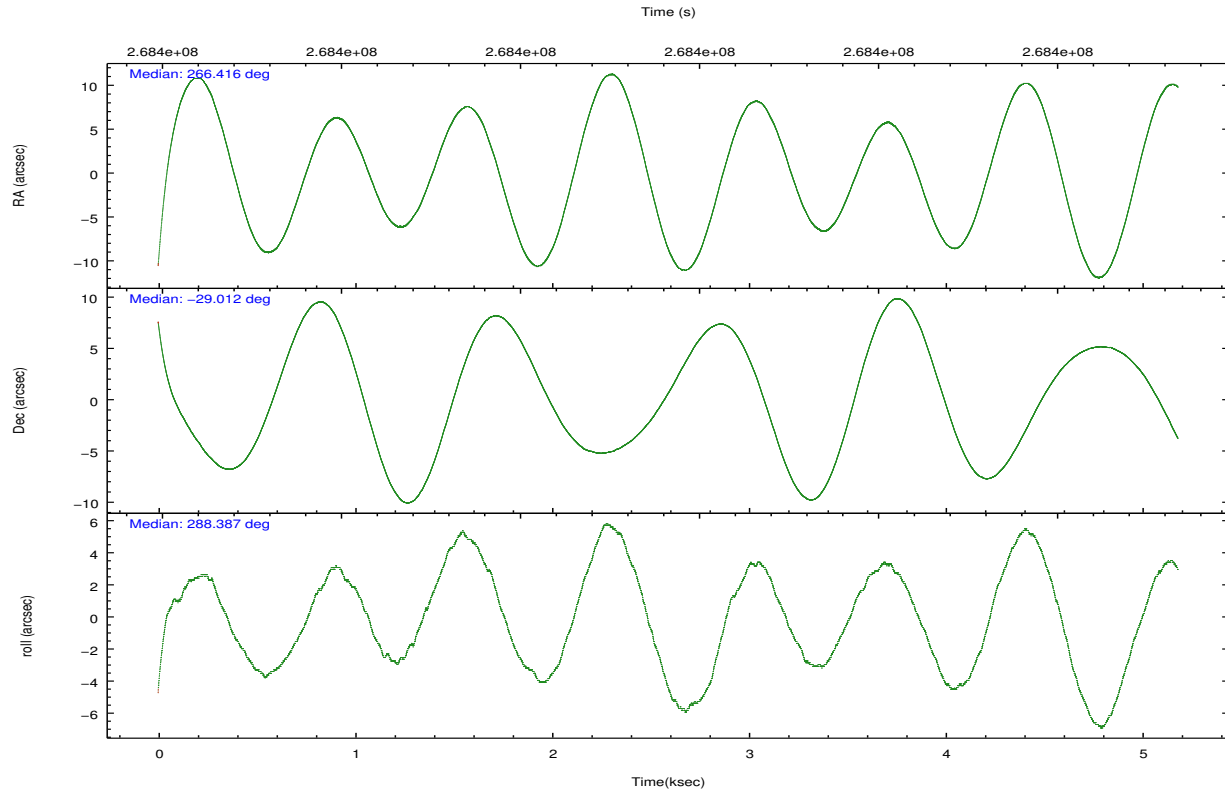
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5103	5016	6683	9219	3435
	9%	9%	11%	14%	6%
grade 1 events	51	51	73	87	38
	0%	0%	0%	0%	0%
grade 2 events	1872	1976	2011	2520	1471
	3%	3%	3%	3%	2%
grade 3 events	793	803	830	1044	680
	1%	1%	1%	1%	1%
grade 4 events	775	819	834	1063	654
	1%	1%	1%	1%	1%
grade 5 events	2069	2340	2142	2493	2425
	3%	4%	3%	3%	4%
grade 6 events	1312	1588	1315	1859	1374
	2%	2%	2%	2%	2%
grade 7 events	40486	41334	46010	46935	43592
	77%	76%	76%	71%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	266.392747	266.4163400788169	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.994295	-29.01239921871617	Alternating exposures requested	N	N
[deg] Pointing Roll	288.173912	288.3940500077278	[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)	268399410.184000	268398095.48306			
Observation start date	2006-07-04T11:22:25	2006-07-04T11:01:35			
[s] Observation end time (MET)	268404410.184000	268404801.54587			
Observation end date	2006-07-04T12:45:45	2006-07-04T12:53:21			
Read mode	TIMED	TIMED			

2.3 Aspect



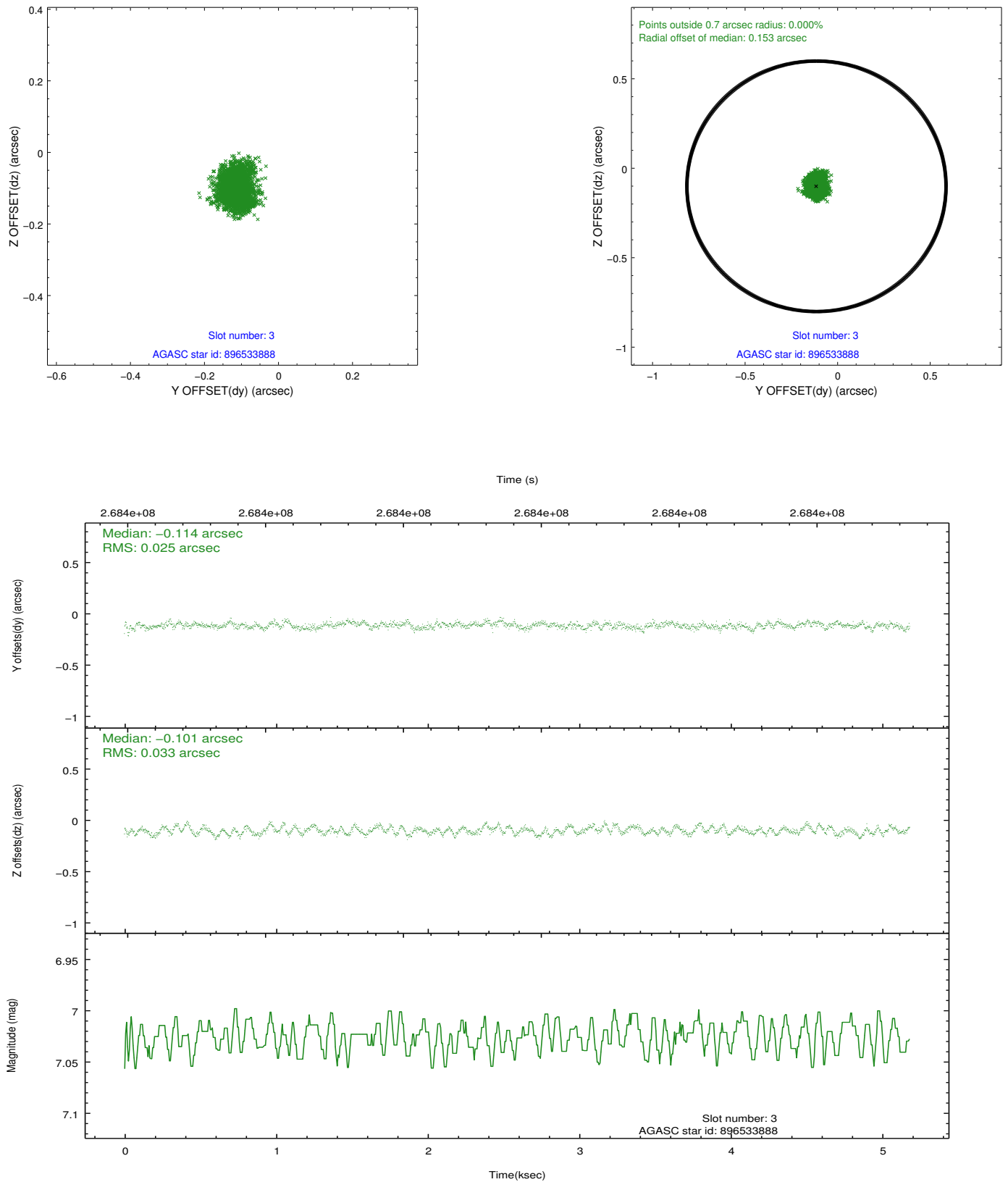


Slot Statistics

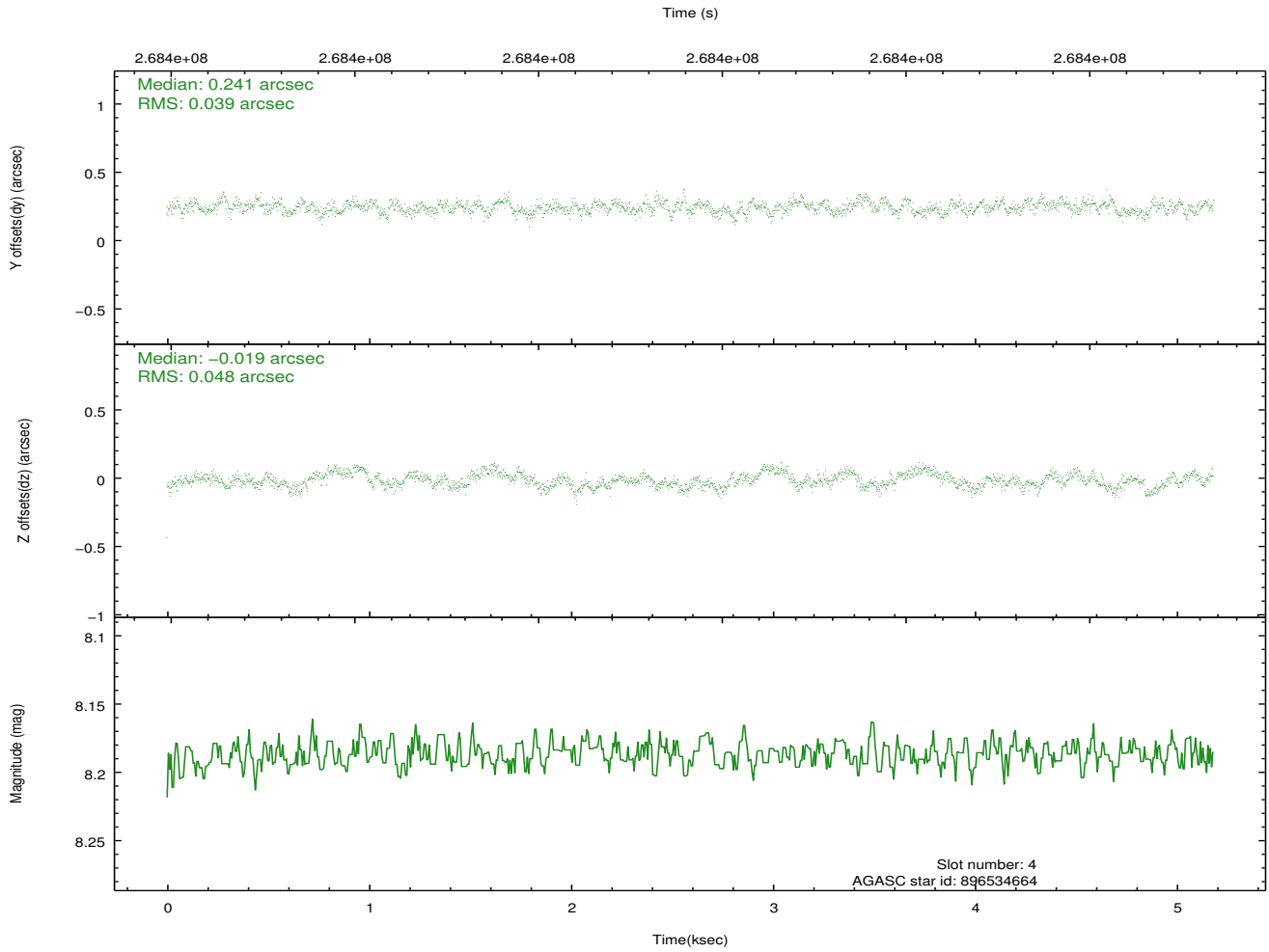
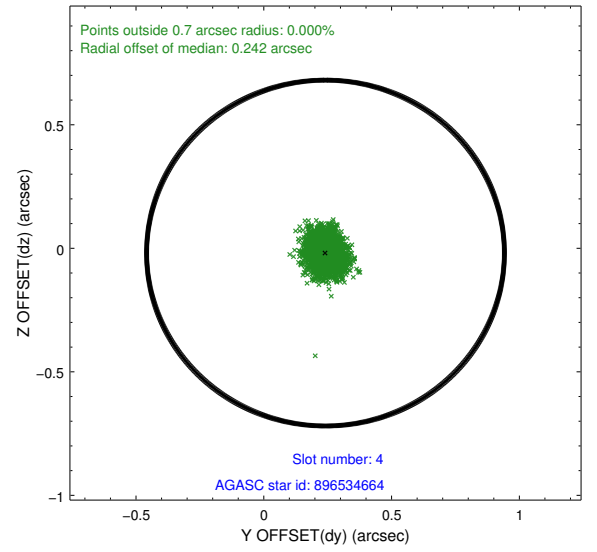
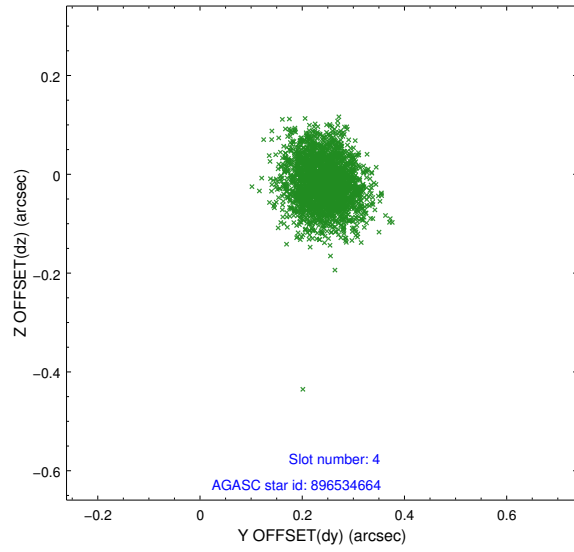
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1265	0.044	-0.039	0.008	0.013	0.000000	0.000000	932.63	-835.36
1	FID	ACIS-I-5	7.23	1264	-0.151	0.059	0.006	0.010	0.000000	0.000000	-1814.99	1061.69
2	FID	ACIS-I-6	7.25	1265	0.016	0.051	0.010	0.017	0.000000	0.000000	396.92	1707.47
3	GUIDE	896533888	7.02	2529	-0.114	-0.101	0.044	0.071	266.666434	-29.392757	1631.76	367.83
4	GUIDE	896534664	8.19	2529	0.241	-0.019	0.065	0.104	266.405570	-28.407461	-1993.44	697.21
5	GUIDE	896540808	7.47	2529	-0.186	0.124	0.039	0.065	265.985401	-29.308604	677.88	-1568.27
6	GUIDE	896403520	9.02	2529	0.145	0.017	0.101	0.156	265.626481	-28.748780	-1585.74	-2025.67
7	GUIDE	896541576	8.19	2526	-0.084	-0.023	0.072	0.122	267.051055	-28.762912	-138.65	2230.84

2.4 Star Slots

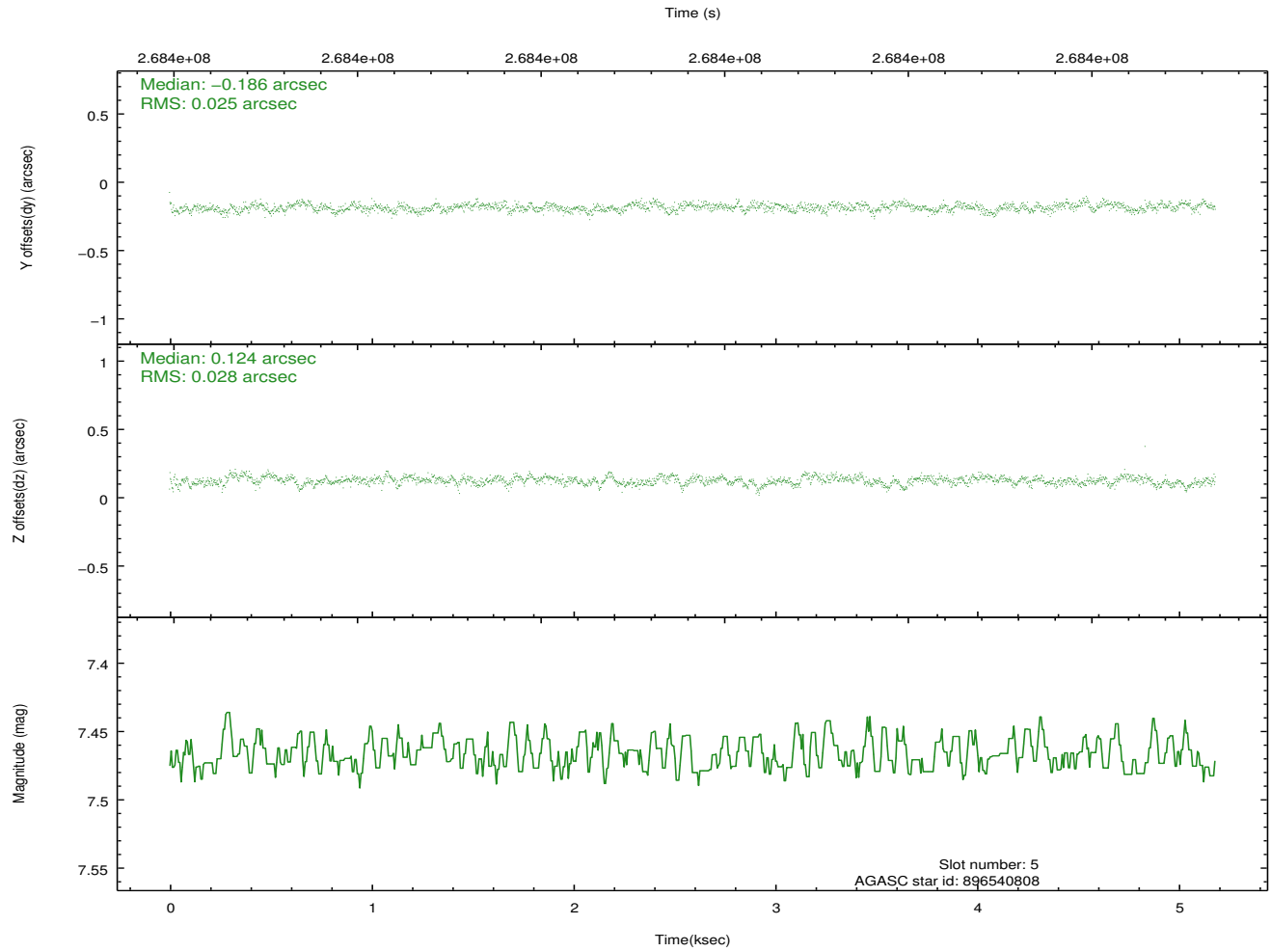
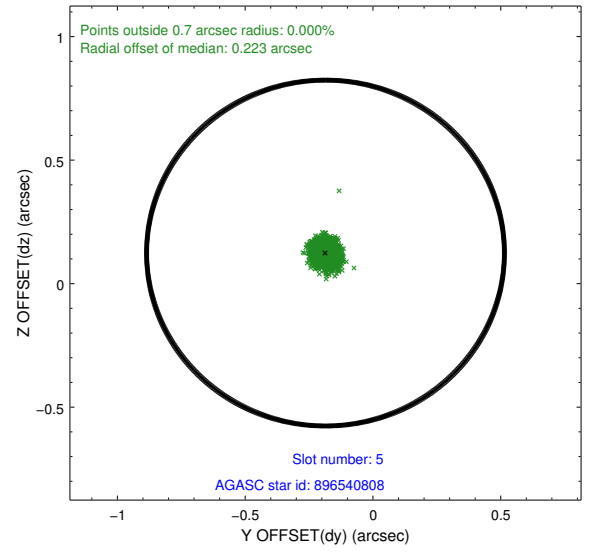
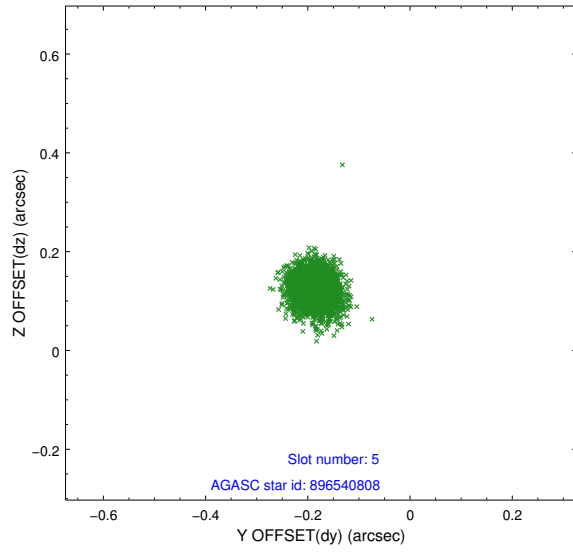
2.4.1 Slot 3



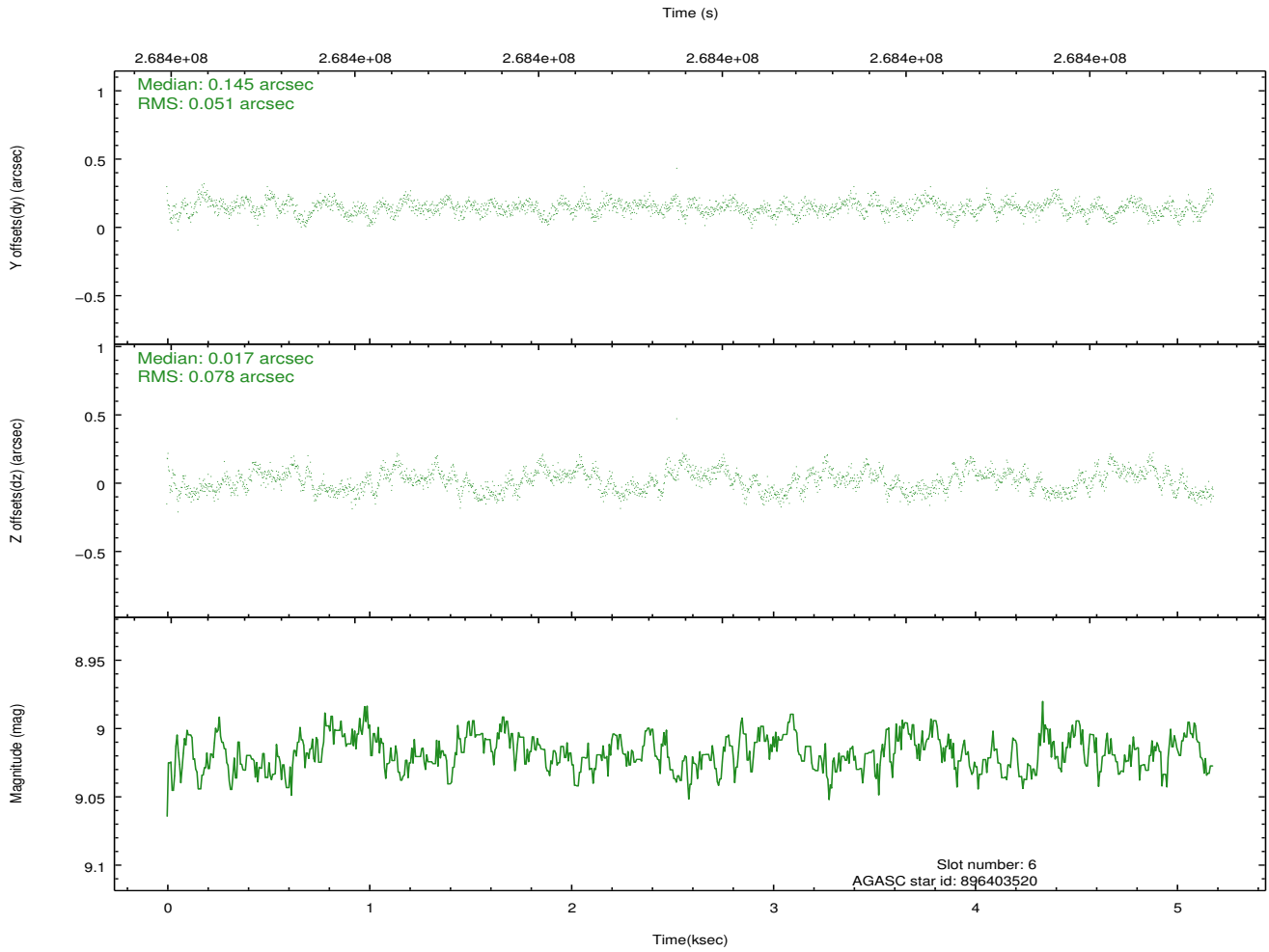
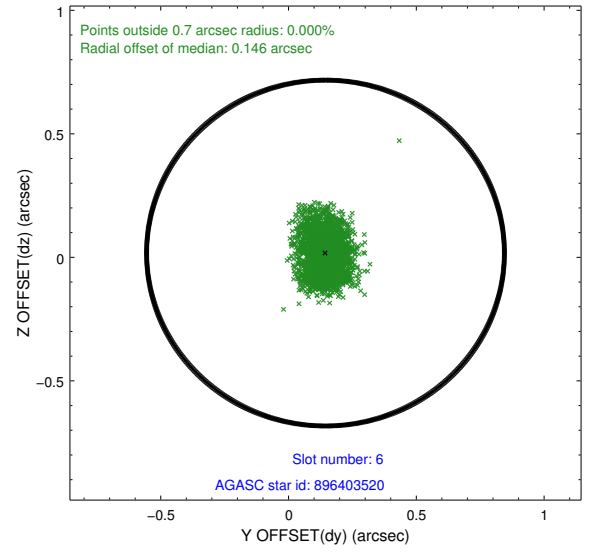
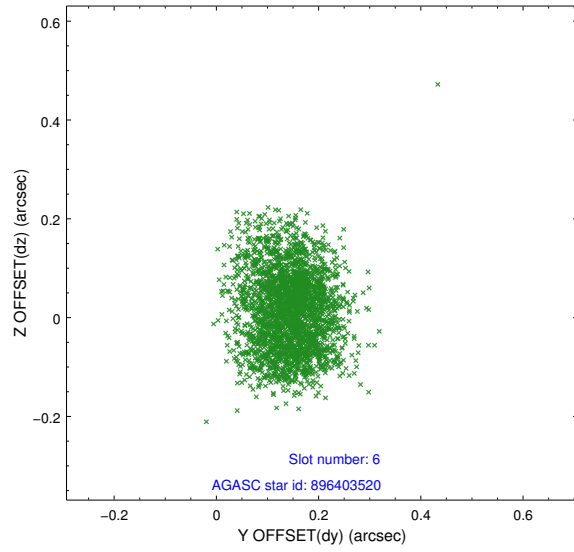
2.4.2 Slot 4



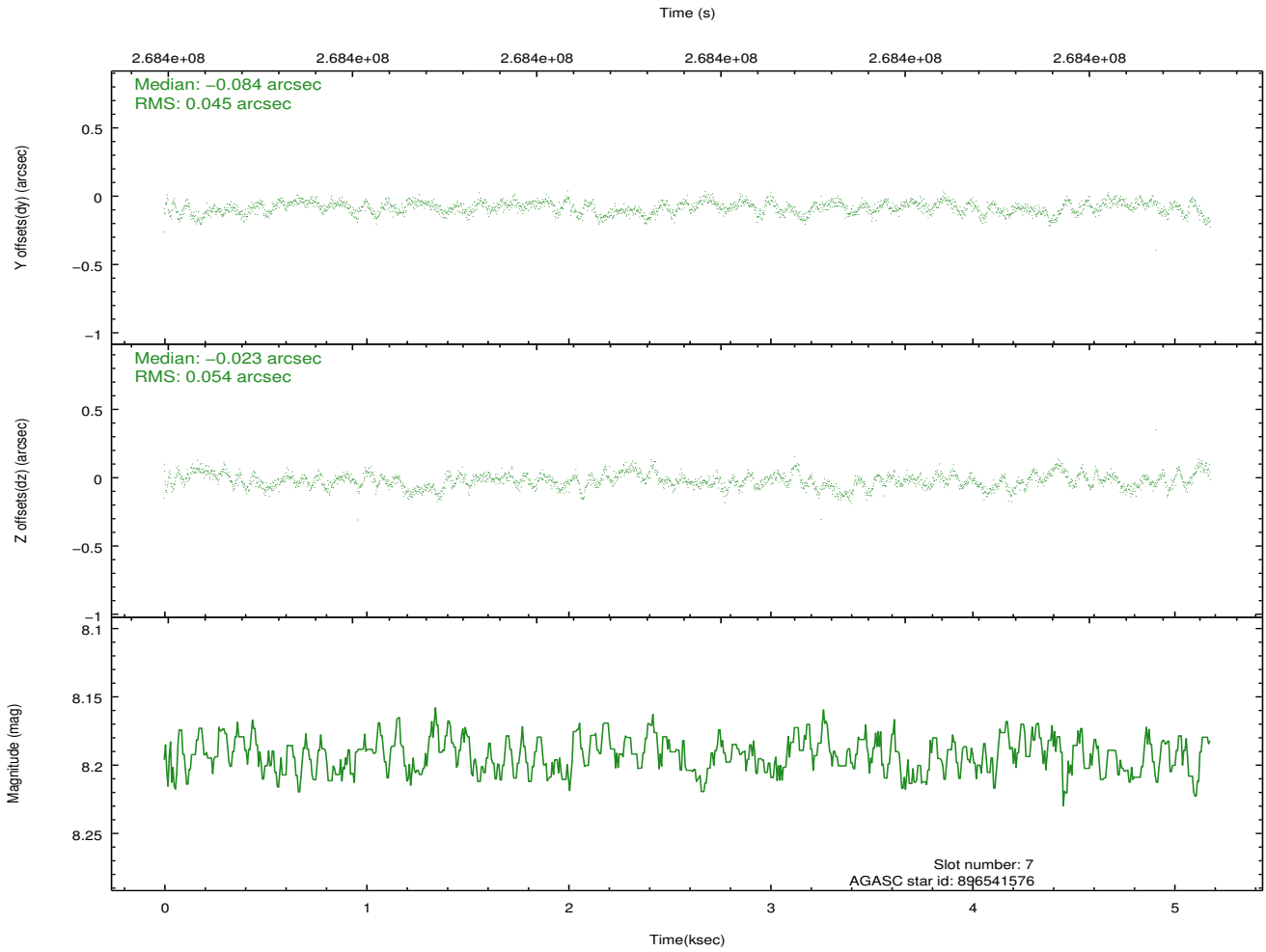
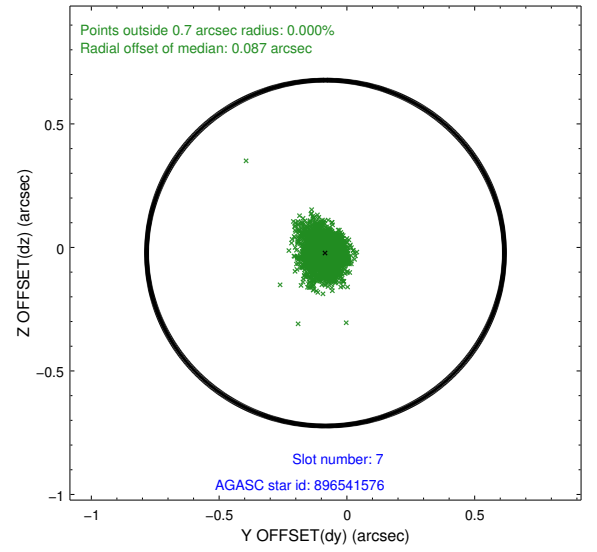
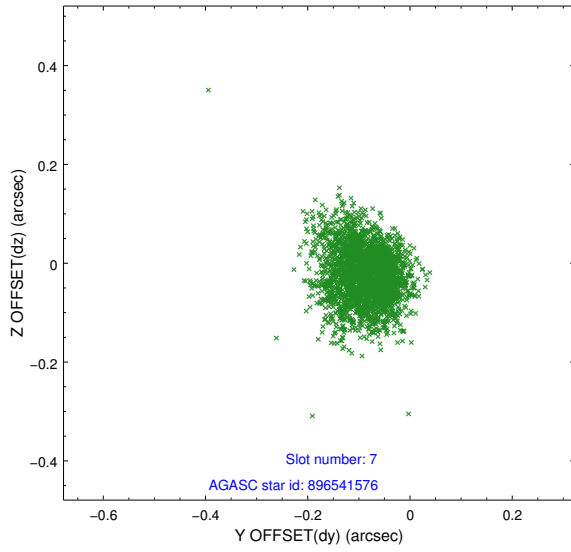
2.4.3 Slot 5



2.4.4 Slot 6

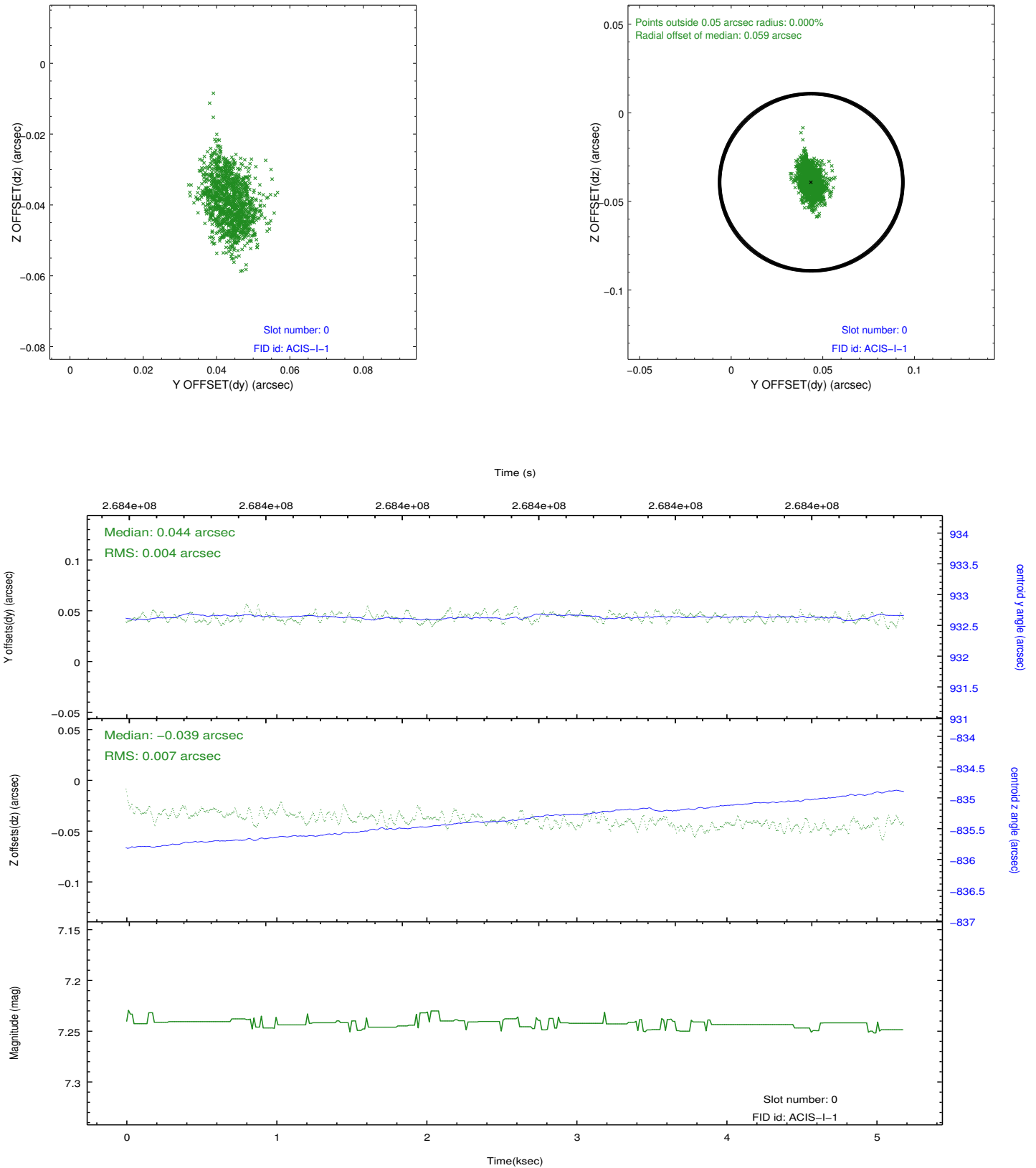


2.4.5 Slot 7

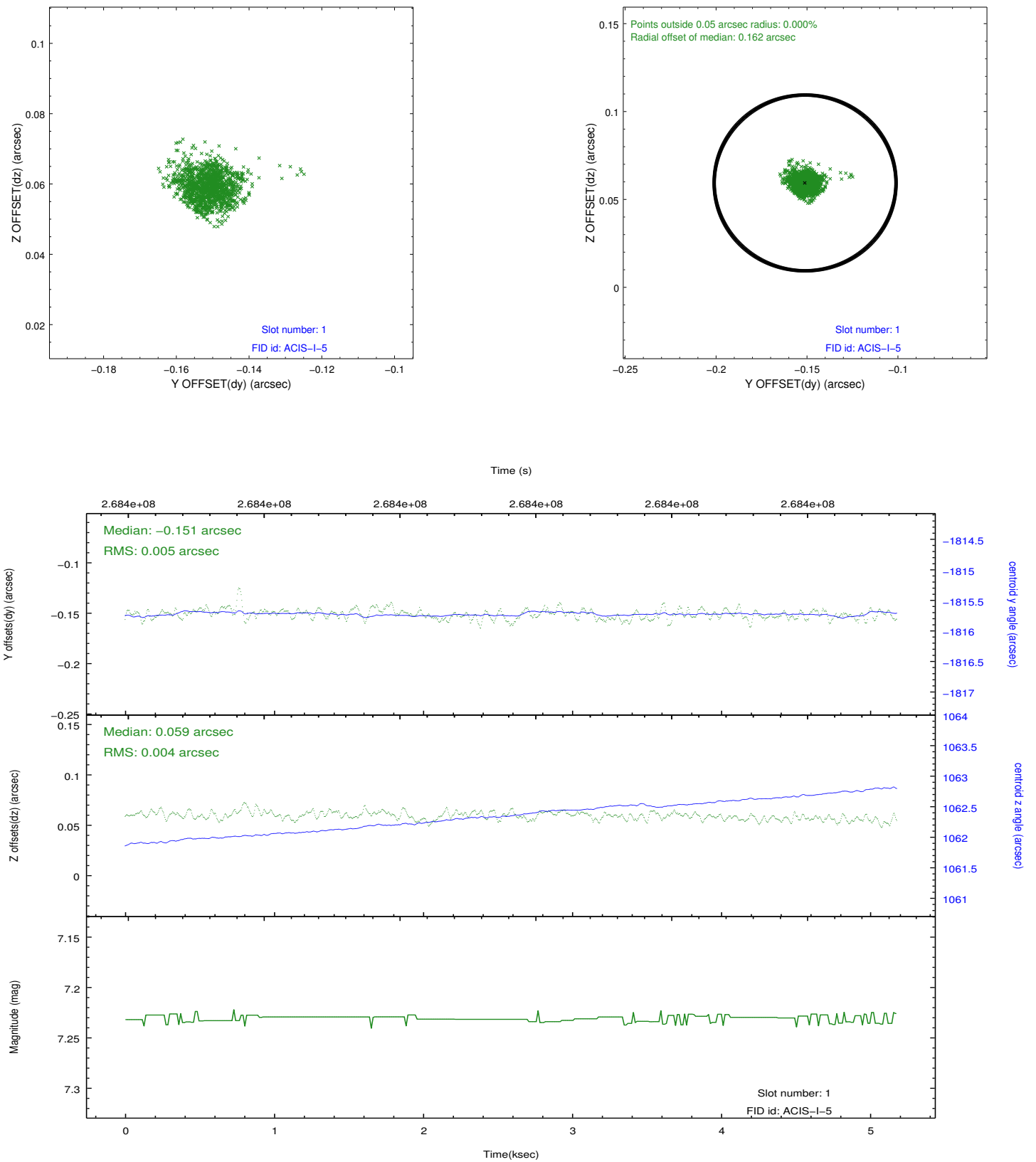


2.5 FID Slots

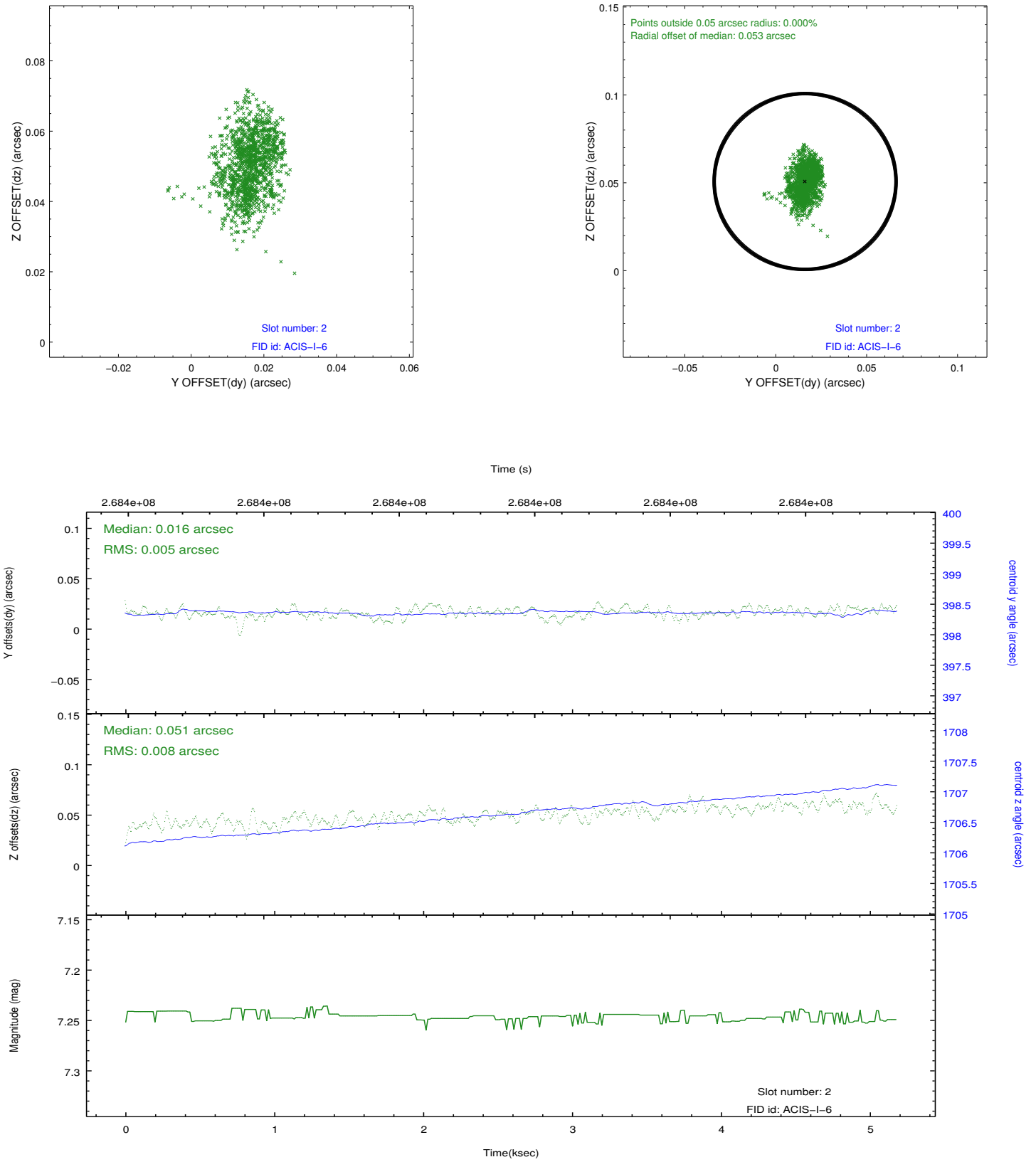
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17385896

A.2 Comments