

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7050 - L2 Version 2
Chandra X-Ray Center

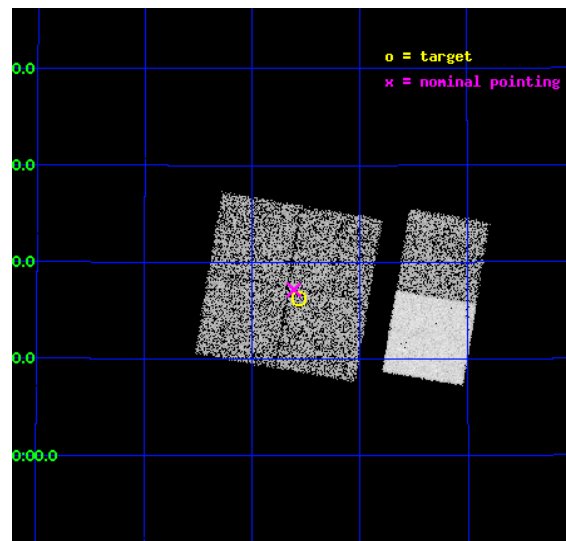
L2 Processing Date : Mar 30 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

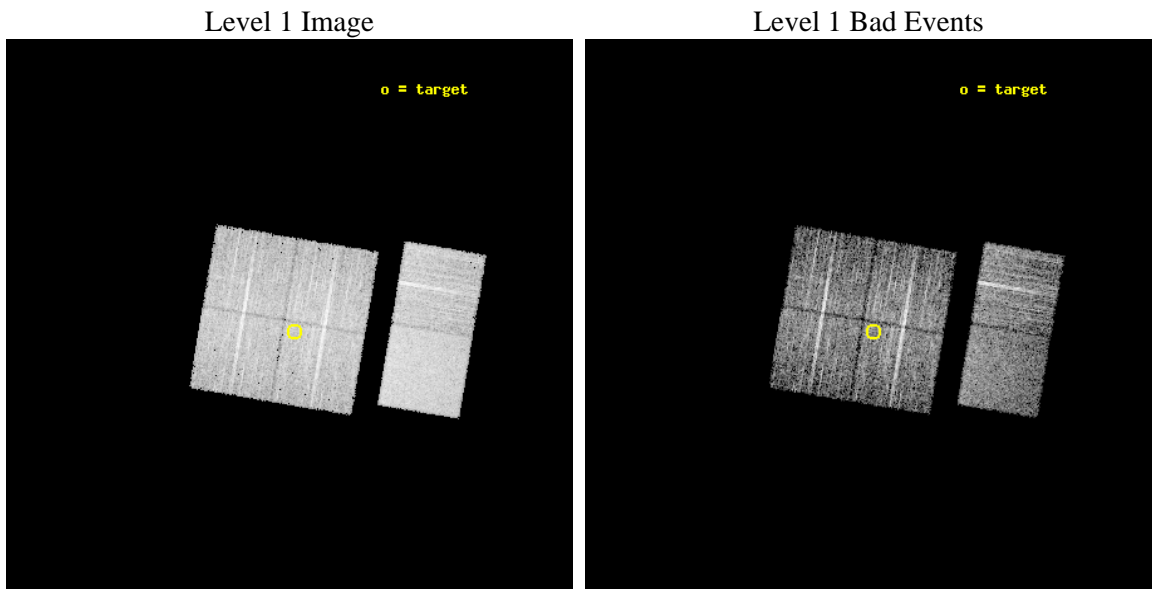
seq_num	900466	Sequence number
obs_id	7050	Observation id
title	A SMALL CHANDRA SURVEY OF HARD X-RAY SOURCES IN GAMMA-RAY ERROR BOXES	Proposal title
observer	Dr. Mallory Roberts	Principal investigator
object	AX J2027.6+4116	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	306.890833	Observer's specified target RA [deg]
dec_targ	41.27	Observer's specified target Dec [deg]
ra_nom	306.90318605709	Nominal RA [deg]
dec_nom	41.285966461241	Nominal Dec [deg]
roll_nom	99.564483173391	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5139.199980855	Sum of GTIs [s]
livetime	5074.1243362427	Livetime [s]
ontime0	5139.199980855	Sum of GTIs [s]
ontime1	5139.199980855	Sum of GTIs [s]
ontime2	5139.199980855	Sum of GTIs [s]
ontime3	5139.199980855	Sum of GTIs [s]
ontime6	5139.199980855	Sum of GTIs [s]
ontime7	5139.199980855	Sum of GTIs [s]
l2events	49783	Number of level 2 events



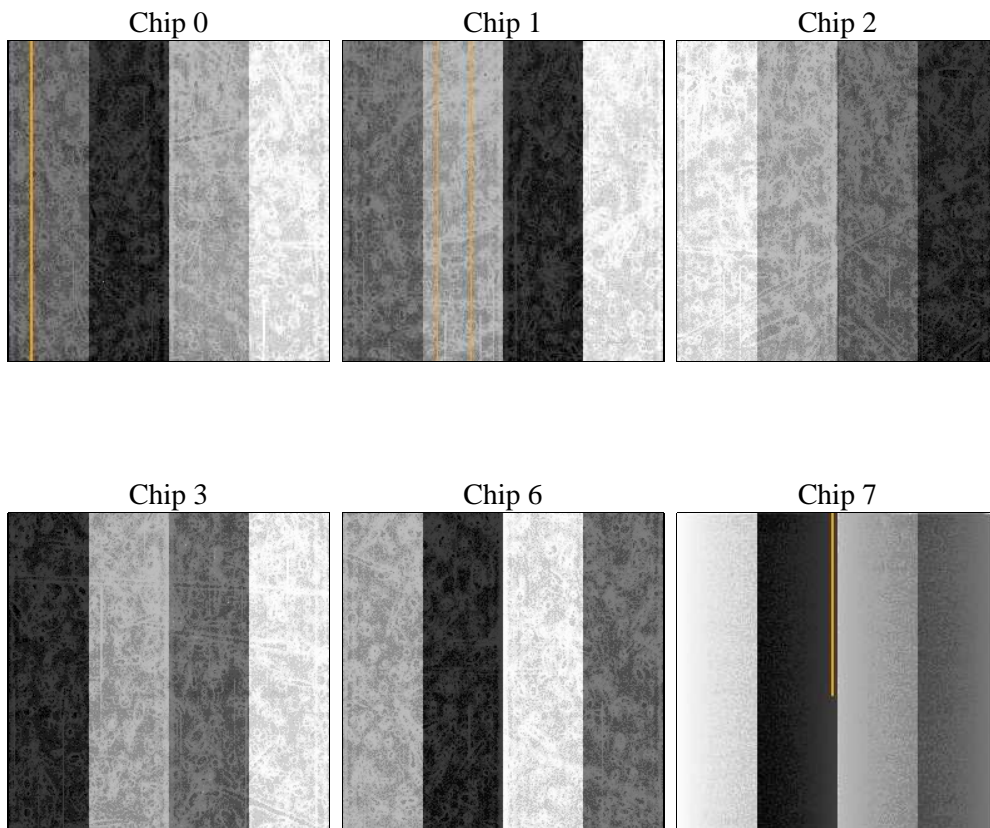
2 OBI

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	Processing system revision	ontime	5139.199980855	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5139.199980855	Sum of GTIs [s]
date	2012-03-30T18:59:34	Date and time of file creation	ontime1	5139.199980855	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5139.199980855	Sum of GTIs [s]
			ontime3	5139.199980855	Sum of GTIs [s]
			ontime6	5139.199980855	Sum of GTIs [s]
			ontime7	5139.199980855	Sum of GTIs [s]
			l1events	290835	Number of level 1 events

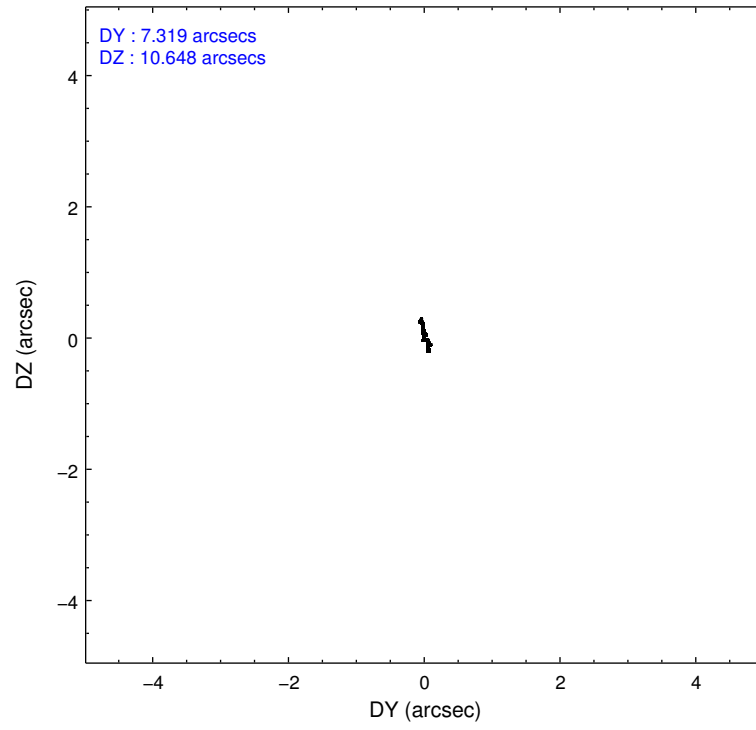
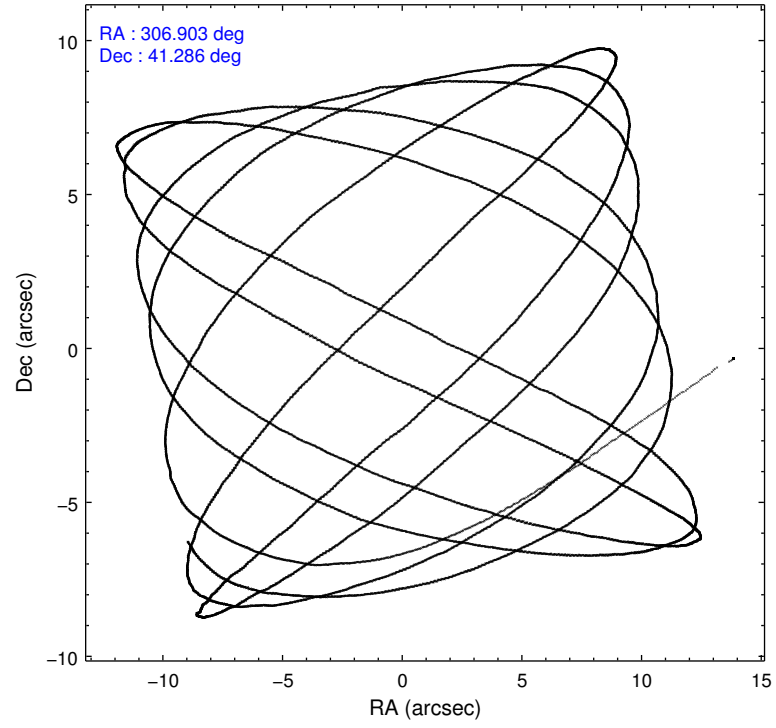
2.1.4 Events

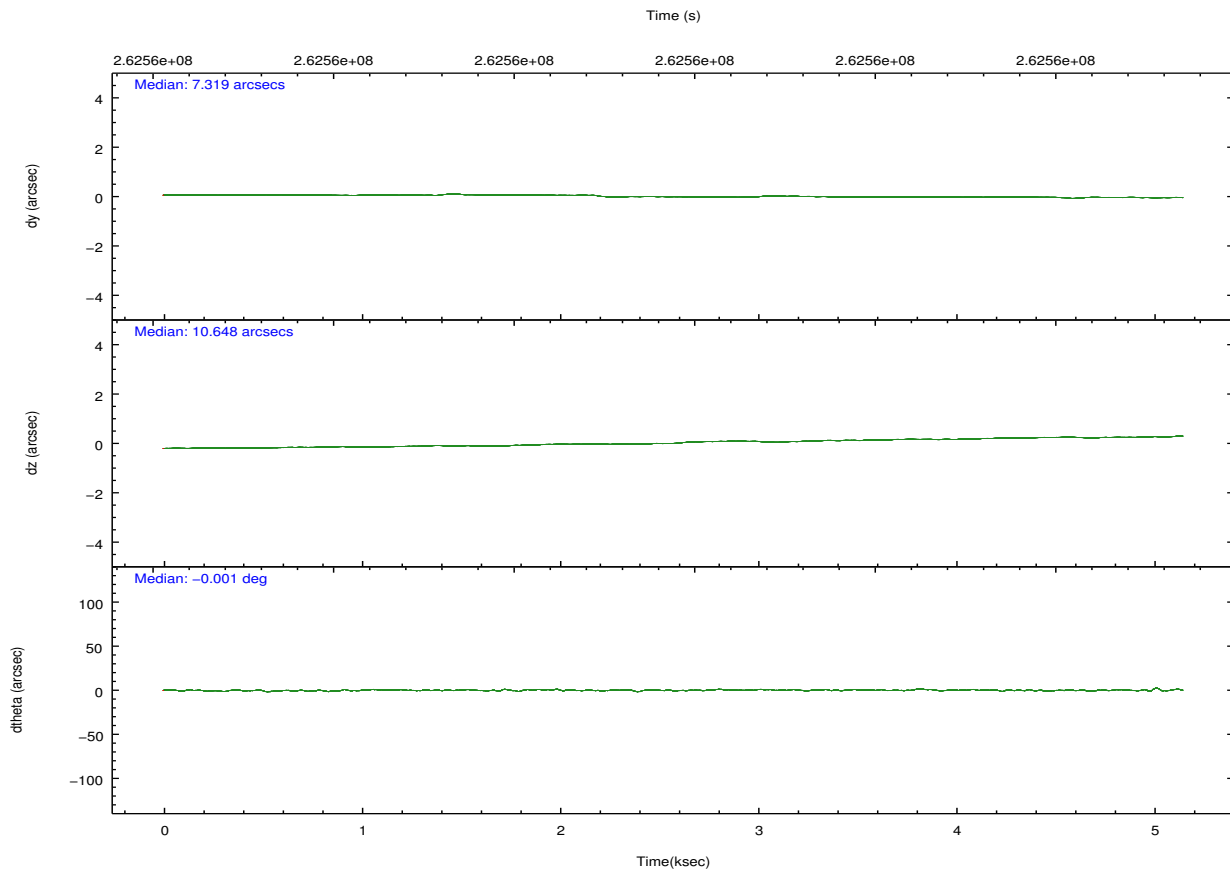
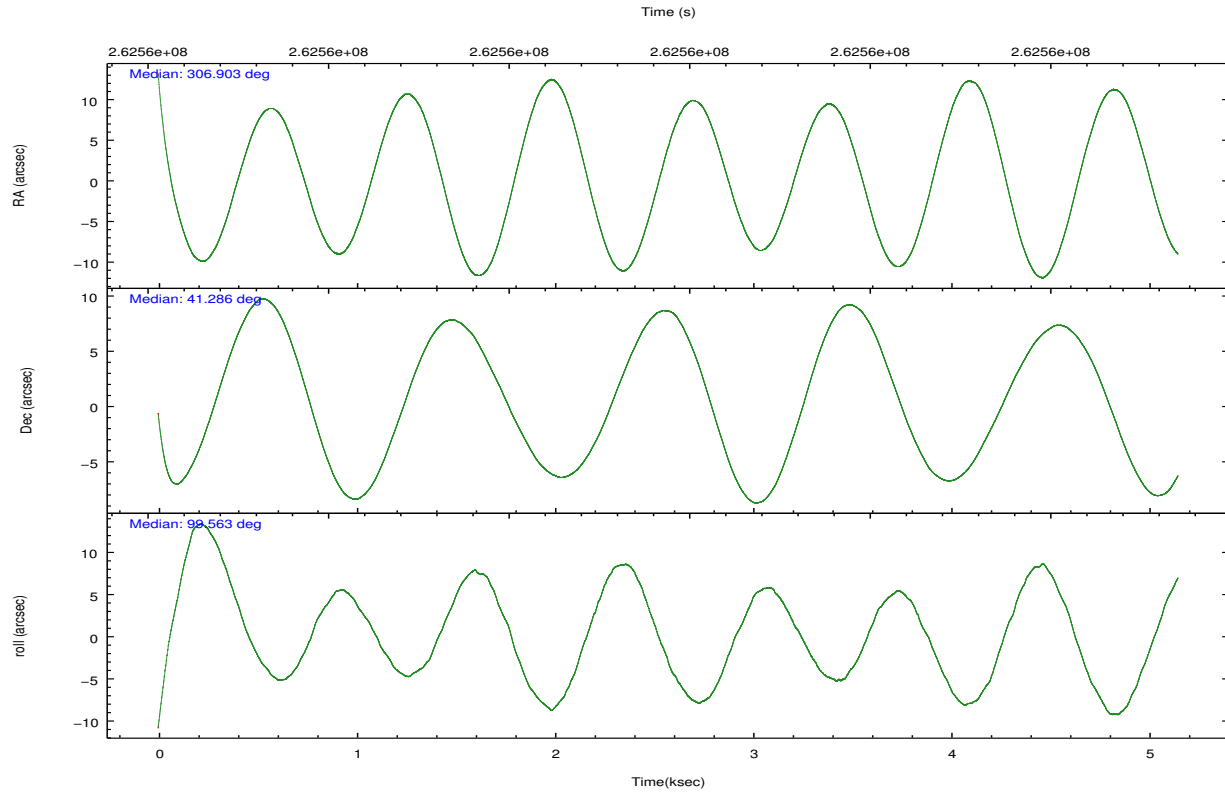
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	42524	43492	47194	44795	49390	63440	grade 0 events	2491	2339	2595	2424	2246	2374
rejected events	36871	37610	41709	39438	43769	37154		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	88%	88%	58%	grade 1 events	23	21	34	29	25	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1176	1294	1146	1006	1191	5486
								2%	2%	2%	2%	2%	8%
							grade 3 events	573	570	458	493	553	2275
								1%	1%	0%	1%	1%	3%
							grade 4 events	499	575	481	552	565	2263
								1%	1%	1%	1%	1%	3%
							grade 5 events	1791	1976	1839	2114	2228	6163
								4%	4%	3%	4%	4%	9%
							grade 6 events	941	1139	847	919	1093	14028
								2%	2%	1%	2%	2%	22%
							grade 7 events	35030	35578	39794	37258	41489	30787
								82%	81%	84%	83%	84%	48%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	306.926544	306.903186057085	Subarray requested	NONE	NONE
[deg] Pointing Dec	41.264967	41.28596646124061	Alternating exposures requested	N	N
[deg] Pointing Roll	99.340403	99.56448317339144	[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)	262559452.184000	262558383.21025			
Observation start date	2006-04-27T21:09:47	2006-04-27T20:53:03			
[s] Observation end time (MET)	262564452.184000	262565165.63557			
Observation end date	2006-04-27T22:33:07	2006-04-27T22:46:05			
Read mode	TIMED	TIMED			

2.3 Aspect



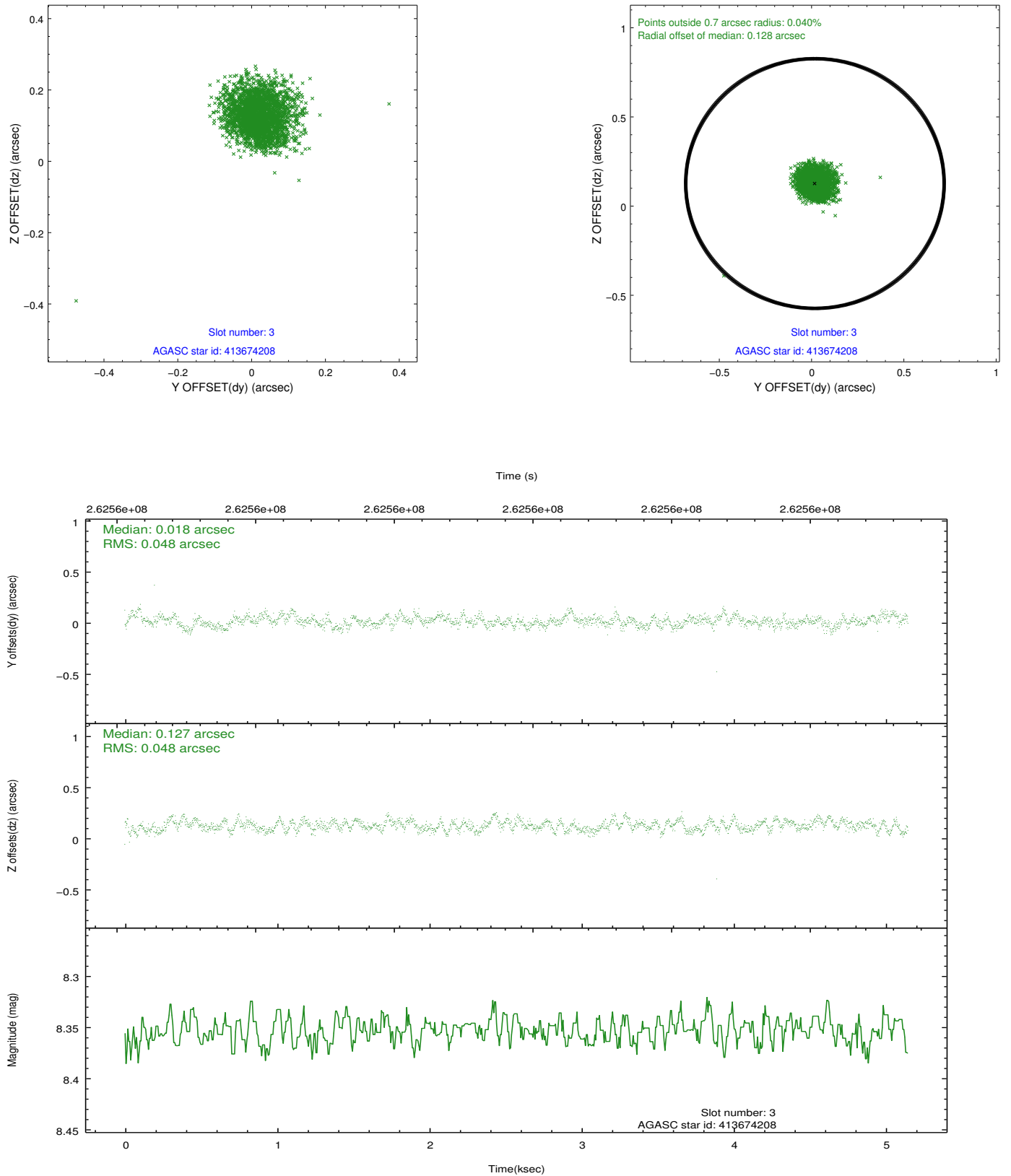


Slot Statistics

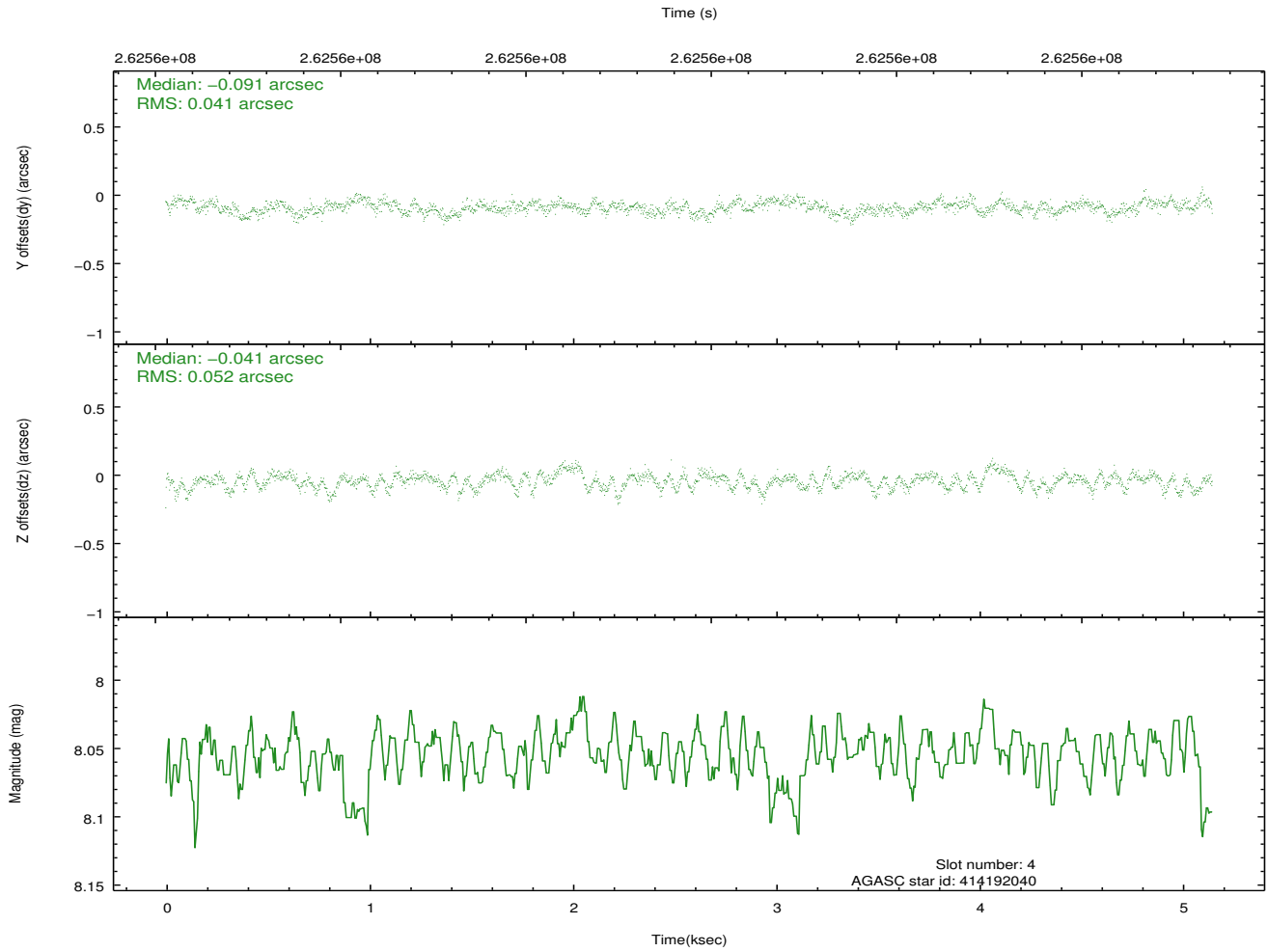
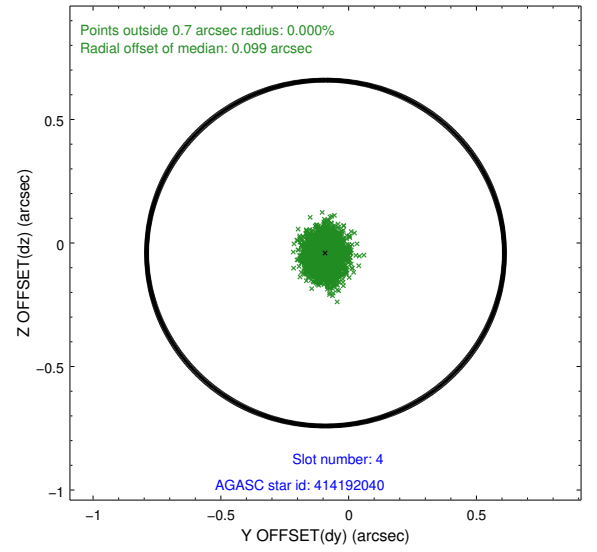
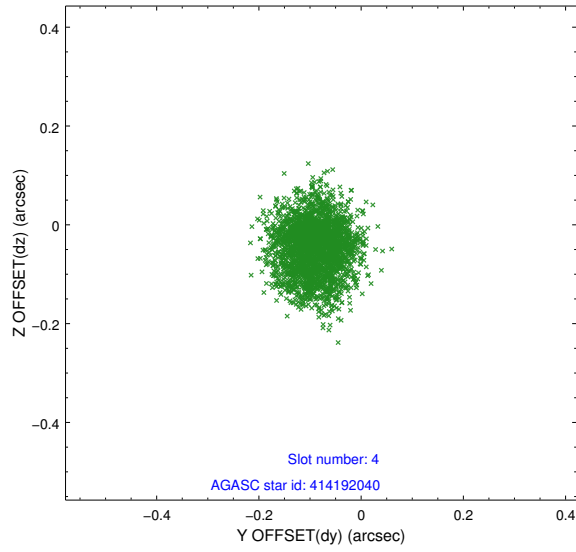
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1256	-0.014	-0.024	0.014	0.022	0.000000	0.000000	932.31	-834.19
1	FID	ACIS-I-4	7.18	1256	0.141	0.047	0.011	0.017	0.000000	0.000000	2153.19	1065.08
2	FID	ACIS-I-5	7.22	1256	-0.225	0.048	0.008	0.015	0.000000	0.000000	-1814.36	1064.32
3	GUIDE	413674208	8.35	2511	0.018	0.127	0.070	0.113	307.139504	40.901877	-1382.74	-359.65
4	GUIDE	414192040	8.05	2512	-0.091	-0.041	0.071	0.113	306.479480	41.336594	453.34	1149.89
5	GUIDE	413677656	8.44	2512	0.125	-0.062	0.062	0.101	307.023952	40.610384	-2367.60	120.06
6	GUIDE	414201400	9.18	2510	-0.019	-0.037	0.084	0.131	306.021098	41.817380	2368.88	2072.48
7	GUIDE	414199536	8.59	2511	-0.035	0.014	0.068	0.106	307.117380	41.957142	2377.75	-907.76

2.4 Star Slots

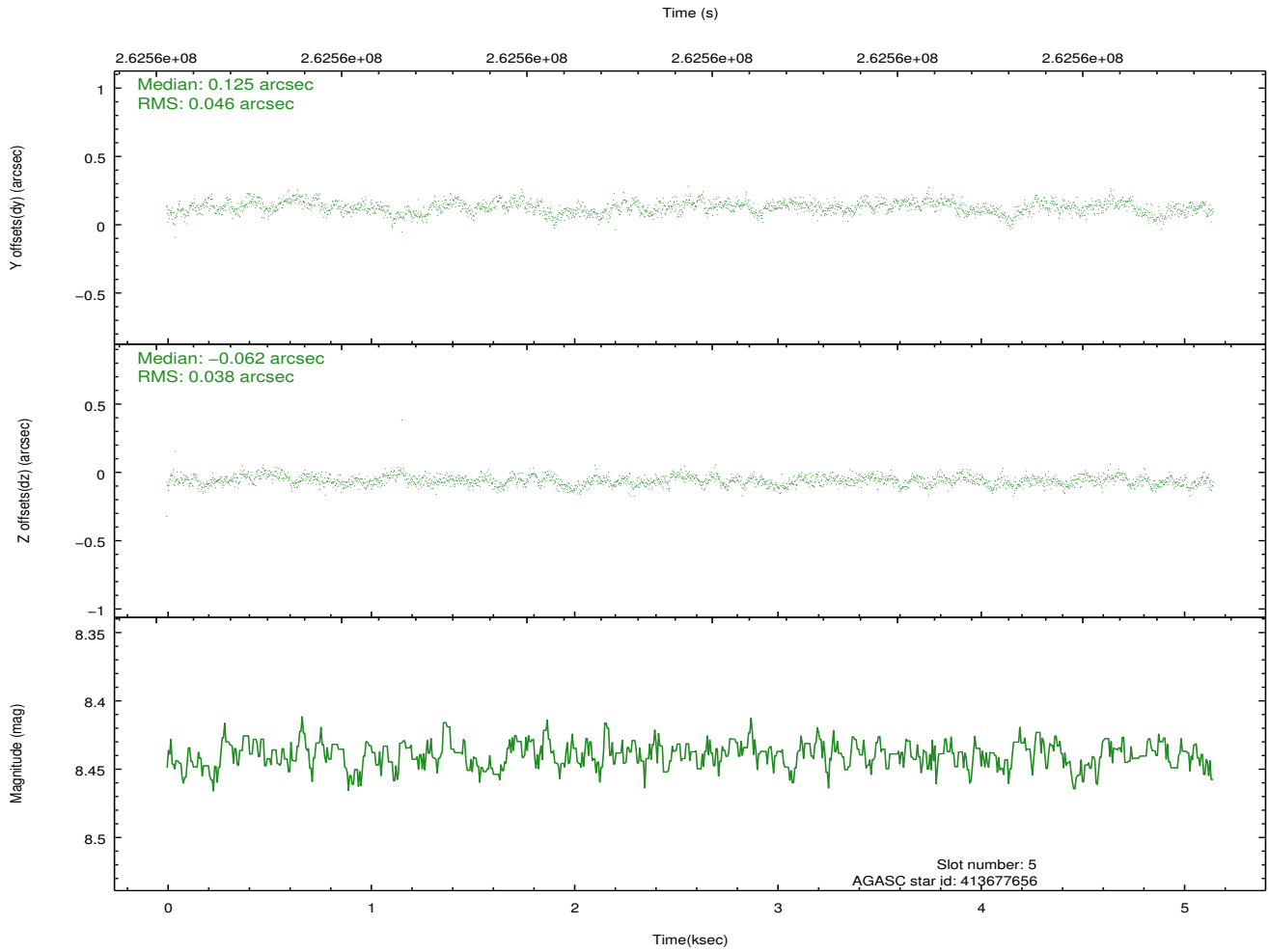
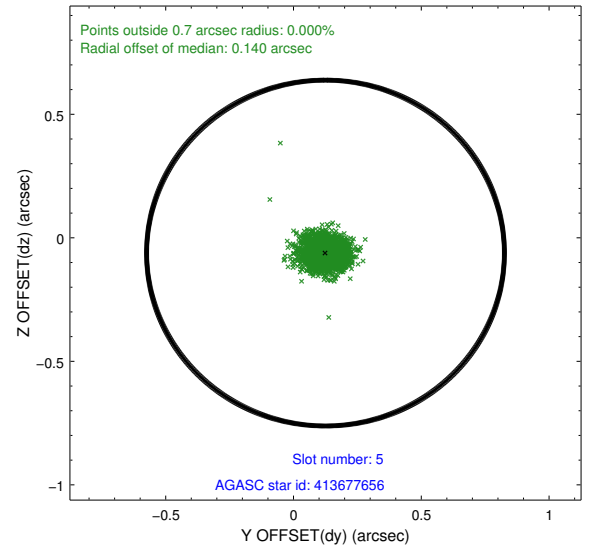
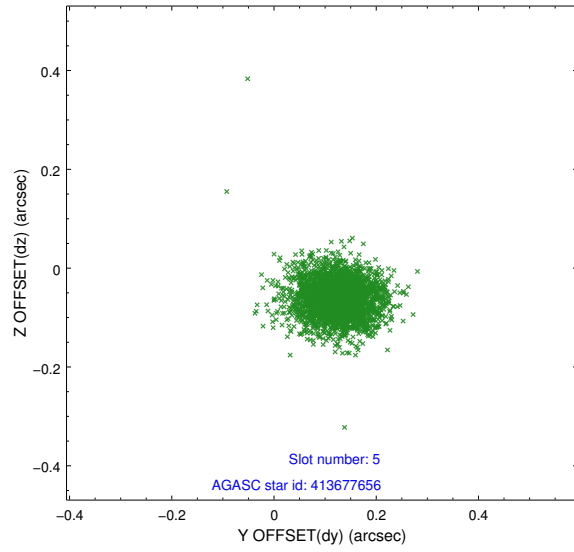
2.4.1 Slot 3



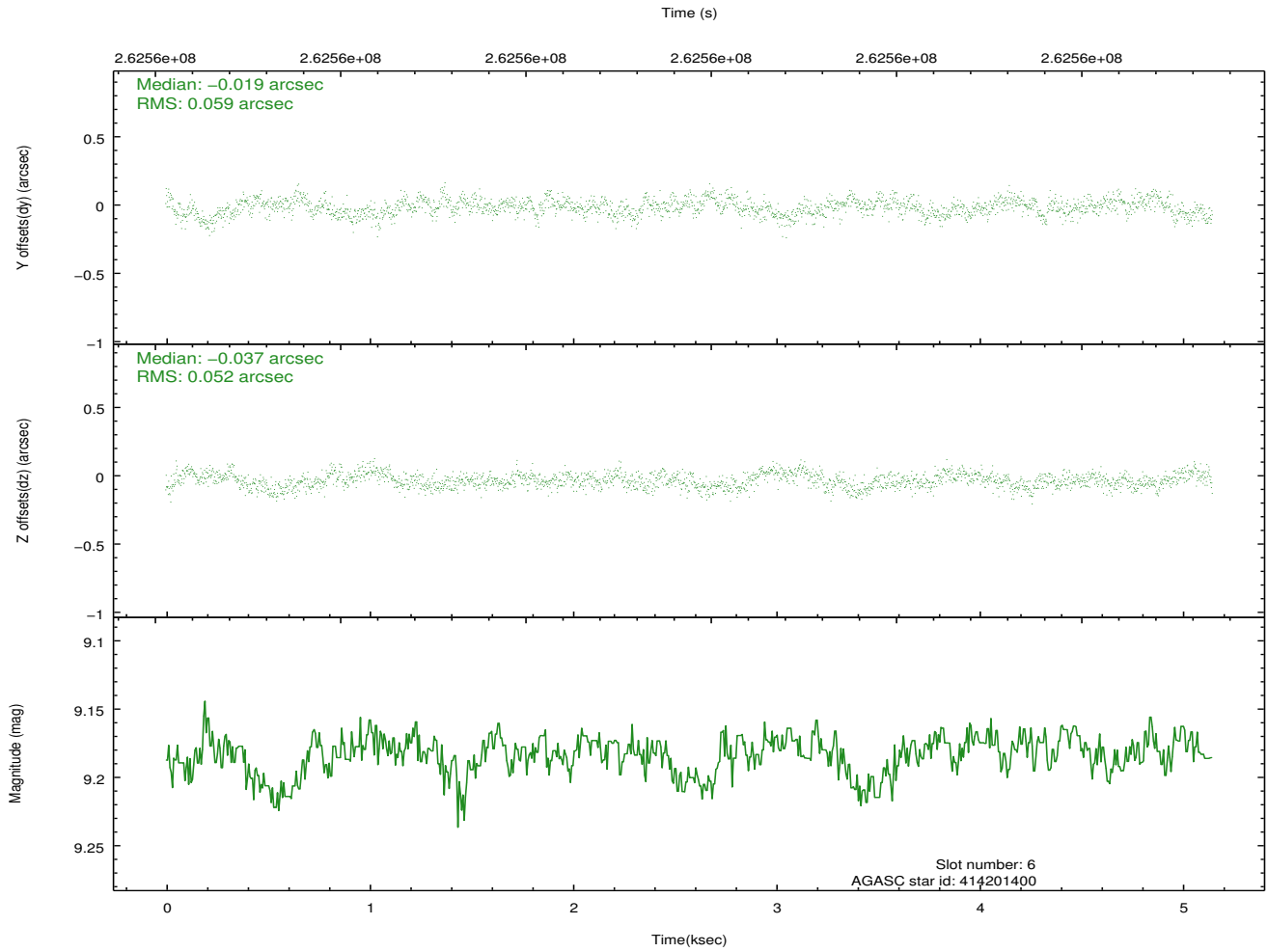
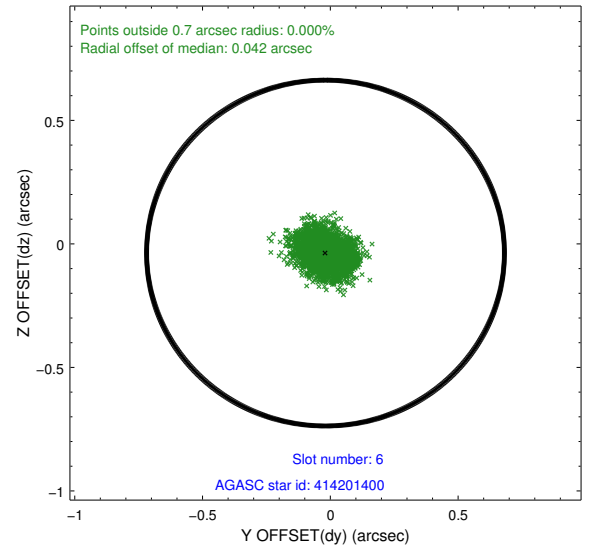
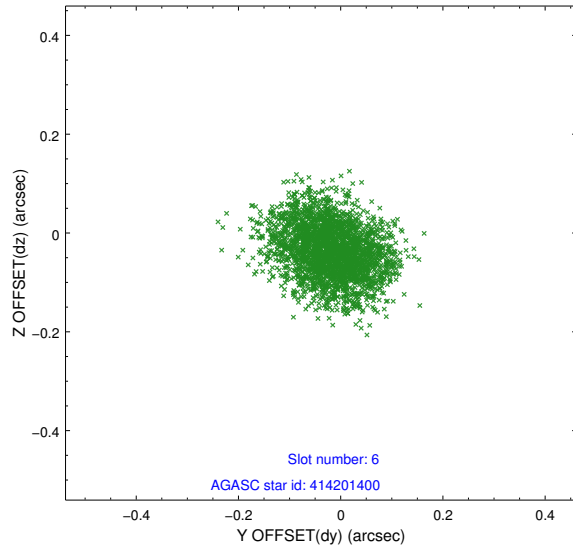
2.4.2 Slot 4



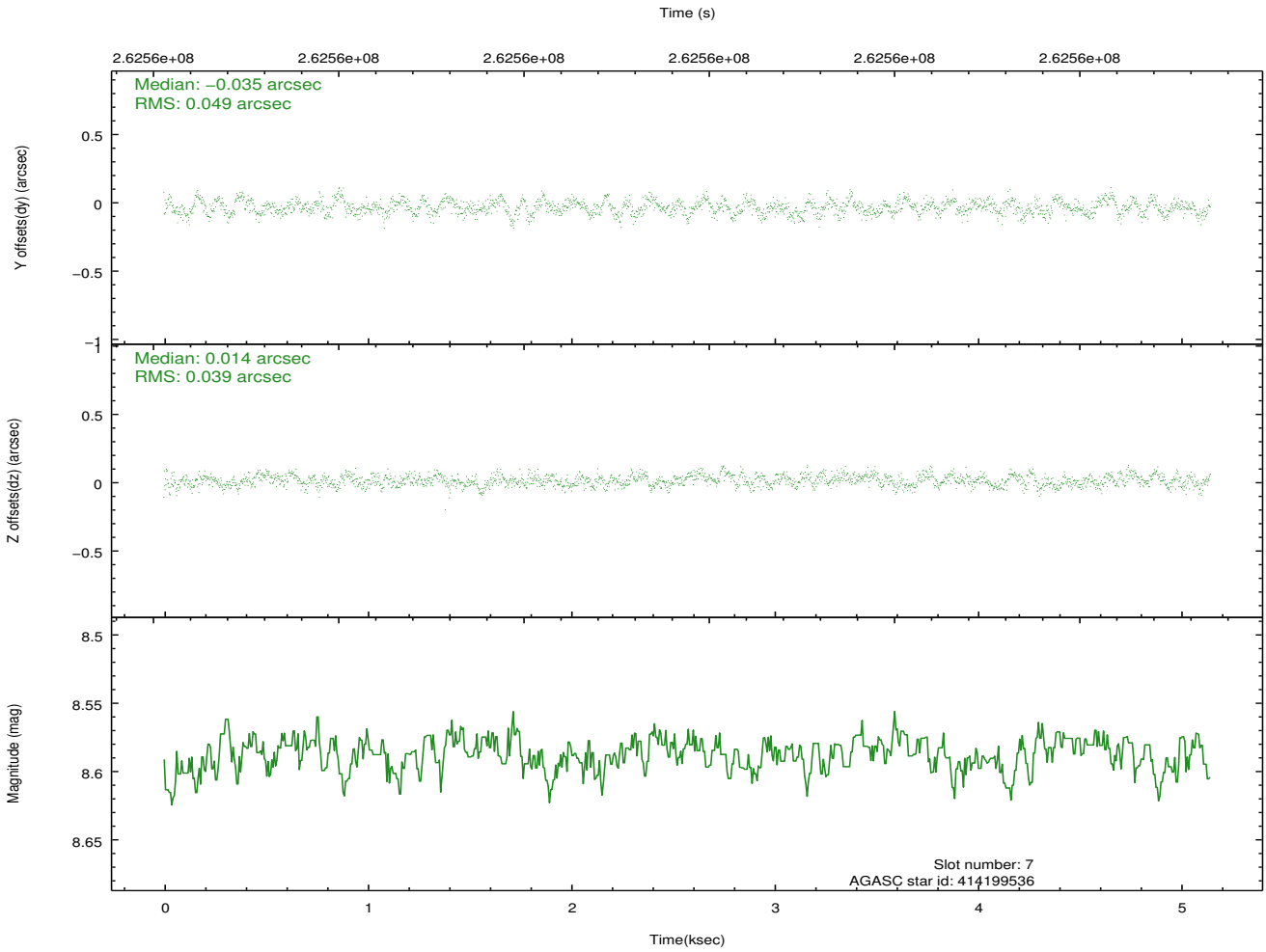
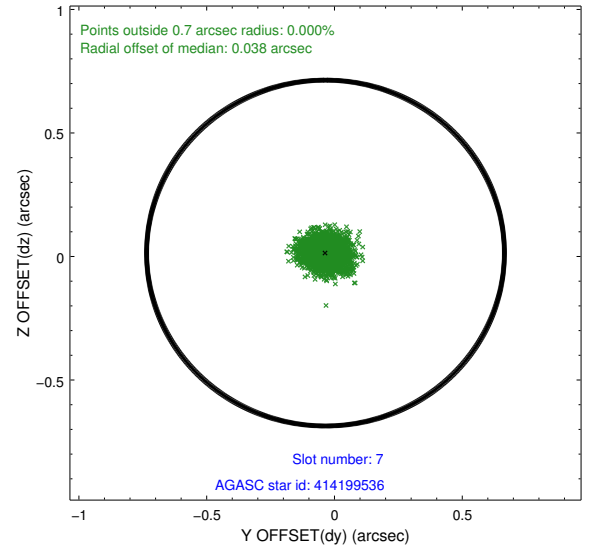
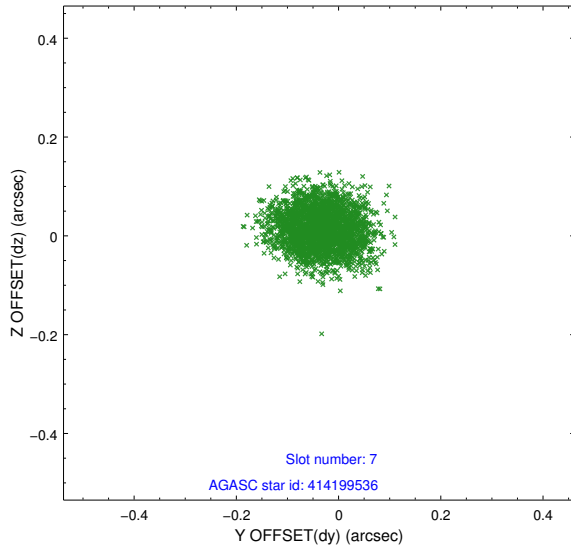
2.4.3 Slot 5



2.4.4 Slot 6

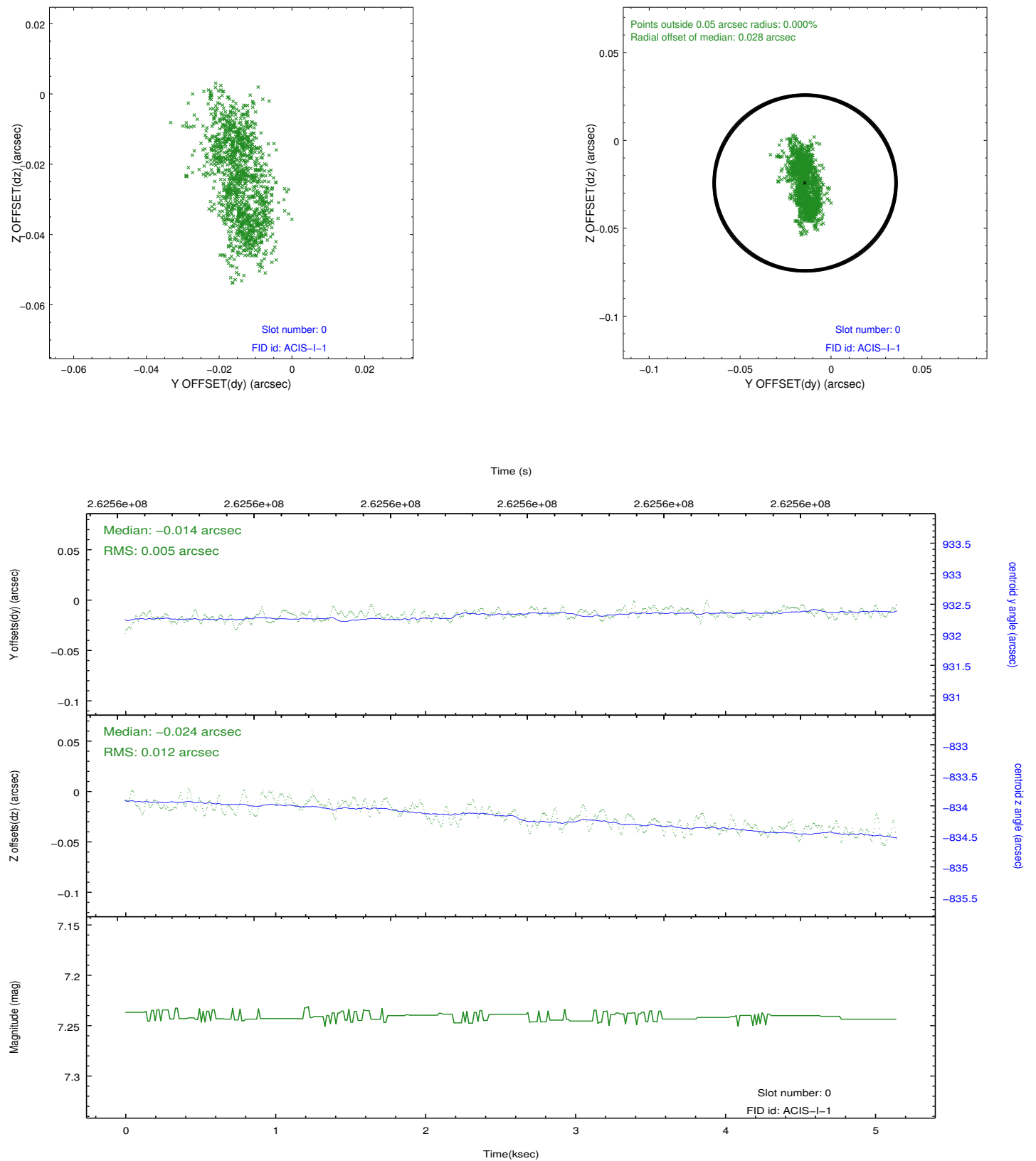


2.4.5 Slot 7

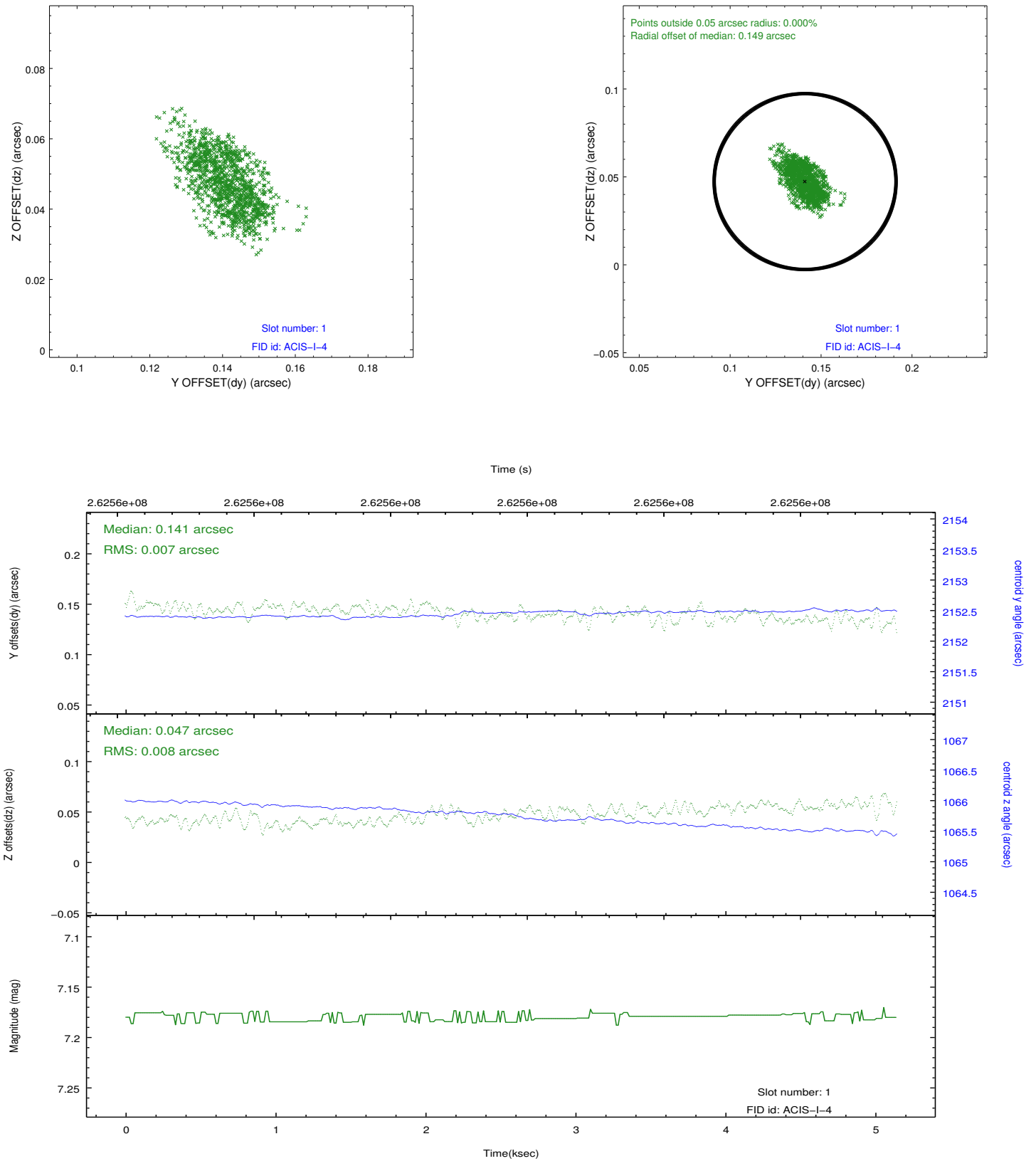


2.5 FID Slots

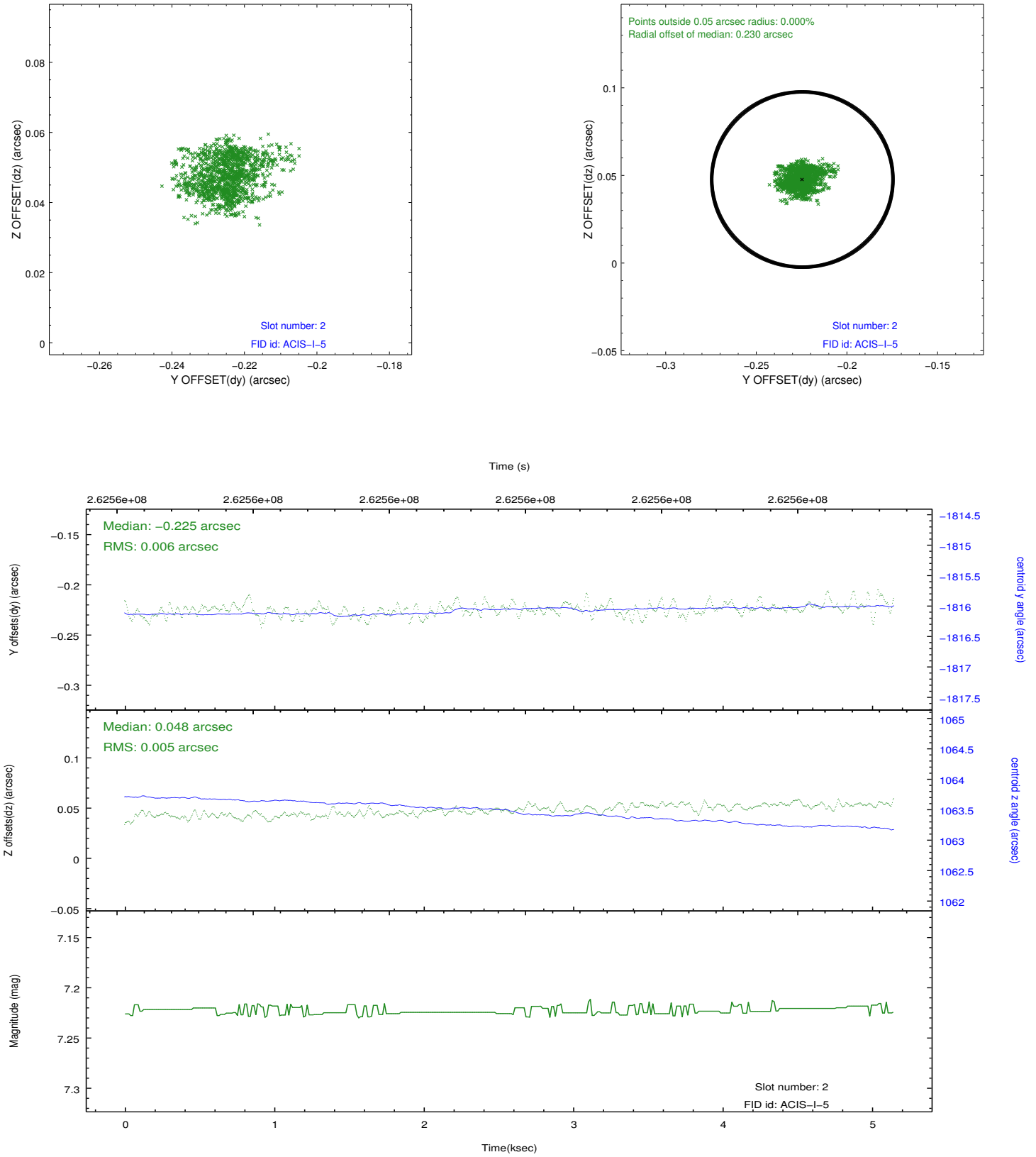
2.5.1 Slot 0



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)	2012.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13919998

A.2 Comments