

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9166 - L2 Version 2
Chandra X-Ray Center

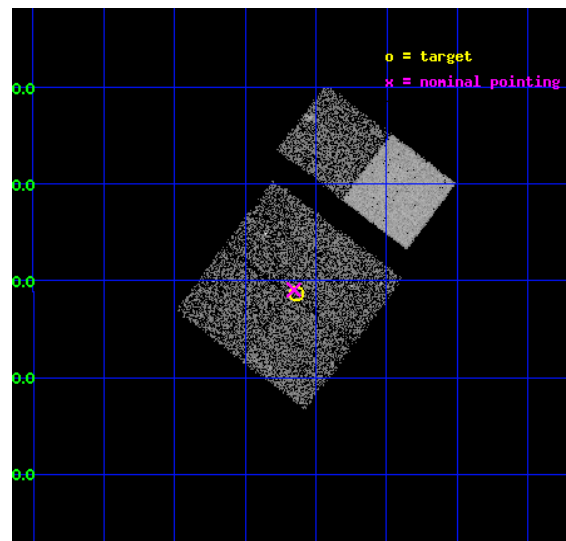
L2 Processing Date : May 7 2012

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1 Front

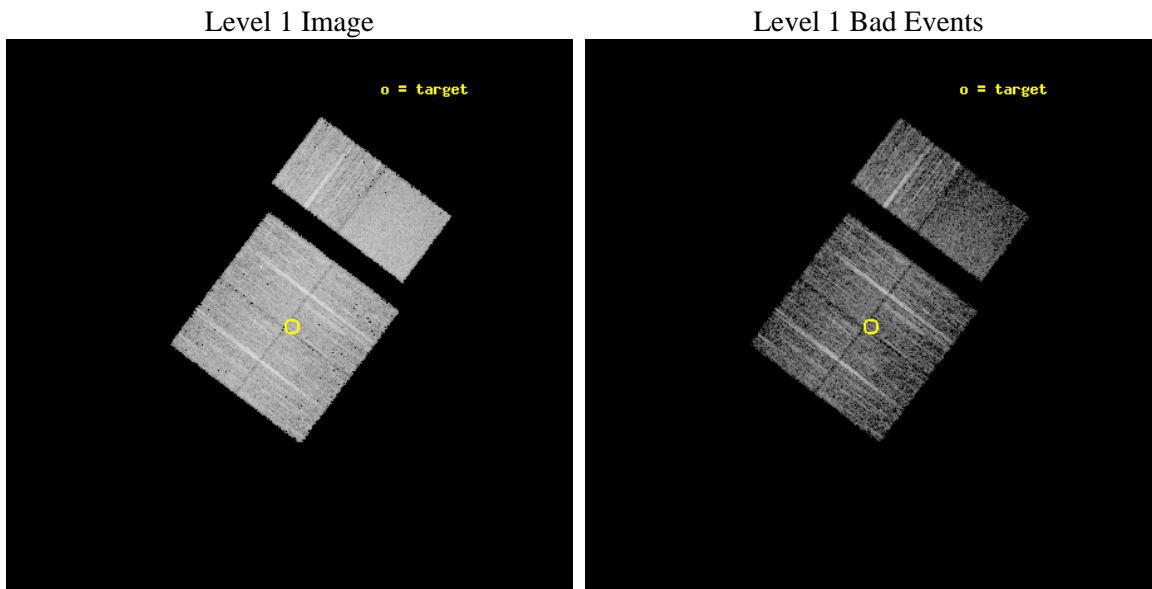
seq_num	701608	Sequence number
obs_id	9166	Observation id
title	Chandra follow-up observations of Swift/BAT unidentified sources: Searching for obscured type II quasars	Proposal title
observer	Dr. Peter Predehl	Principal investigator
object	J0722.6-0931	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	110.659167	Observer's specified target RA [deg]
dec_targ	-9.522389	Observer's specified target Dec [deg]
ra_nom	110.66398844012	Nominal RA [deg]
dec_nom	-9.5157878154569	Nominal Dec [deg]
roll_nom	37.075090403758	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5164.7999808192	Sum of GTIs [s]
livetime	5099.4001735929	Livetime [s]
ontime0	5164.7999808192	Sum of GTIs [s]
ontime1	5164.7999808192	Sum of GTIs [s]
ontime2	5164.7999808192	Sum of GTIs [s]
ontime3	5164.7999808192	Sum of GTIs [s]
ontime6	5164.7999808192	Sum of GTIs [s]
ontime7	5164.7999808192	Sum of GTIs [s]
l2events	37819	Number of level 2 events



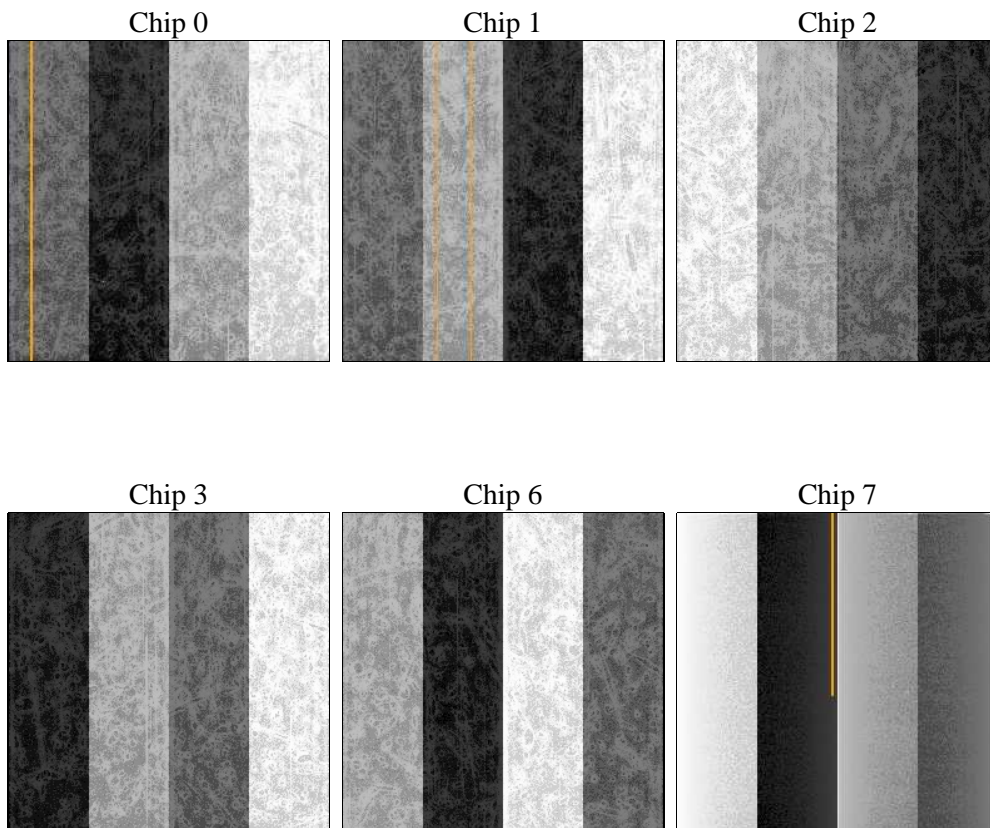
2 OBI

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	8.4.4	Processing system revision	ontime	5164.7999808192	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5164.7999808192	Sum of GTIs [s]
date	2012-05-07T02:55:19	Date and time of file creation	ontime1	5164.7999808192	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5164.7999808192	Sum of GTIs [s]
			ontime3	5164.7999808192	Sum of GTIs [s]
			ontime6	5164.7999808192	Sum of GTIs [s]
			ontime7	5164.7999808192	Sum of GTIs [s]
			l1events	257934	Number of level 1 events

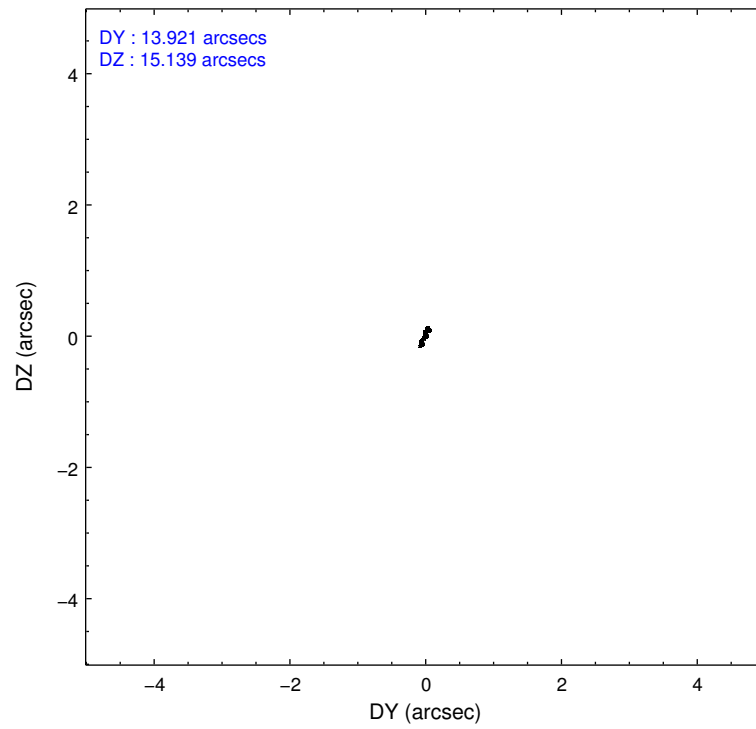
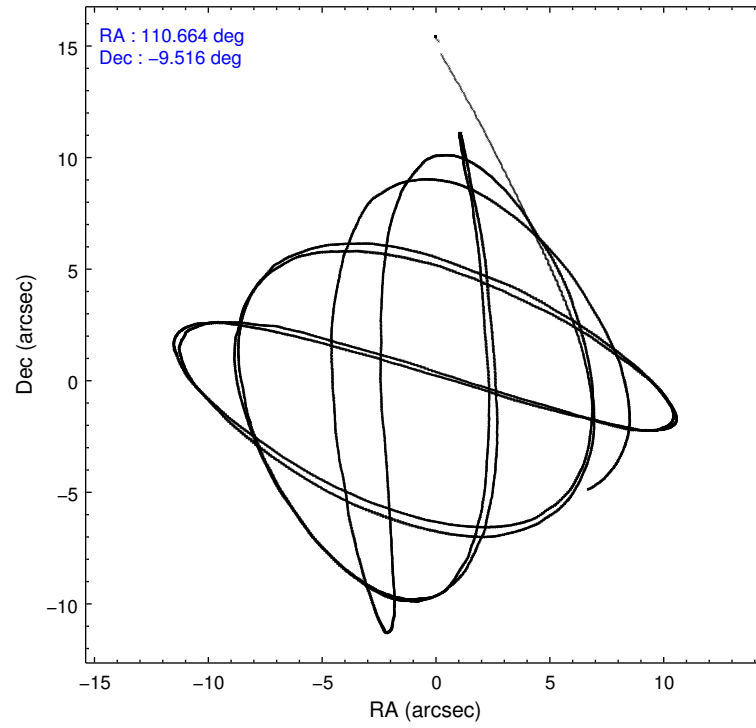
2.1.4 Events

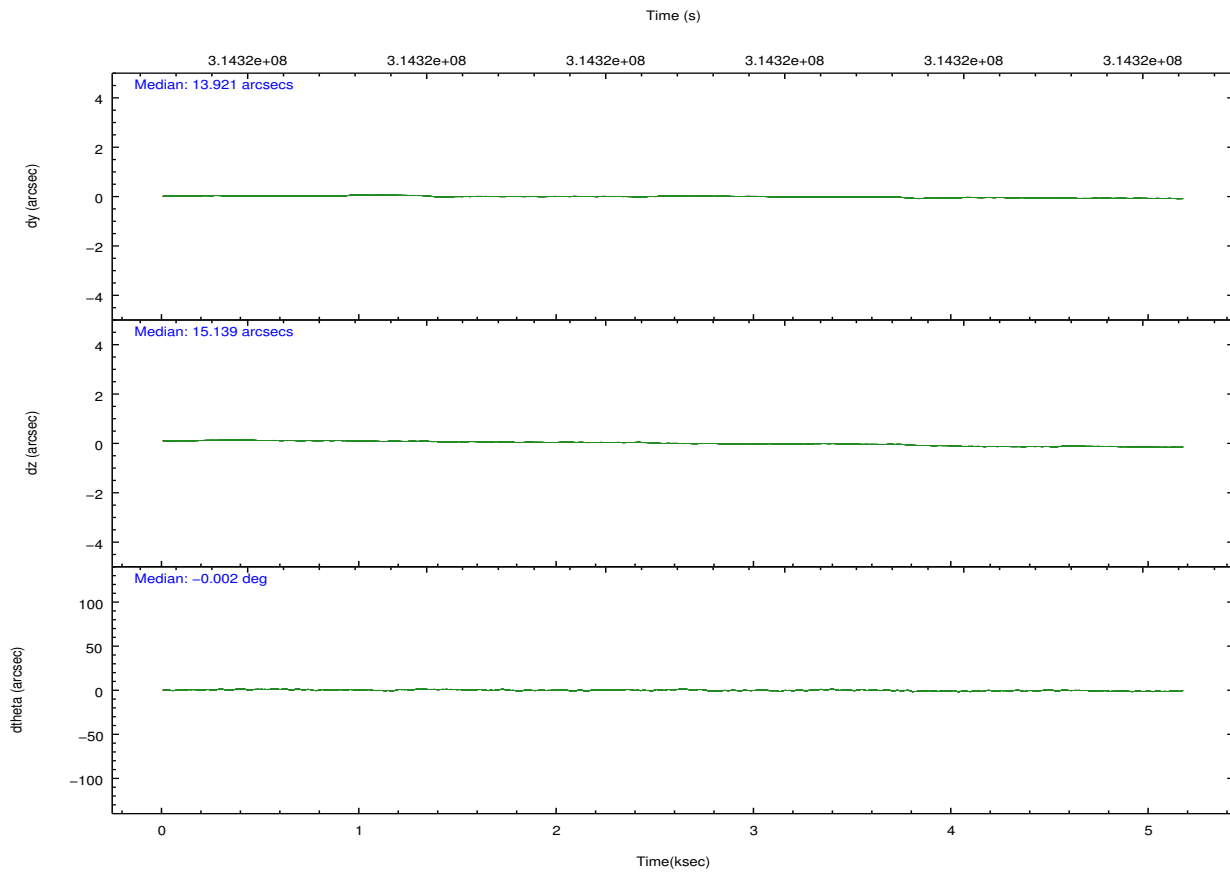
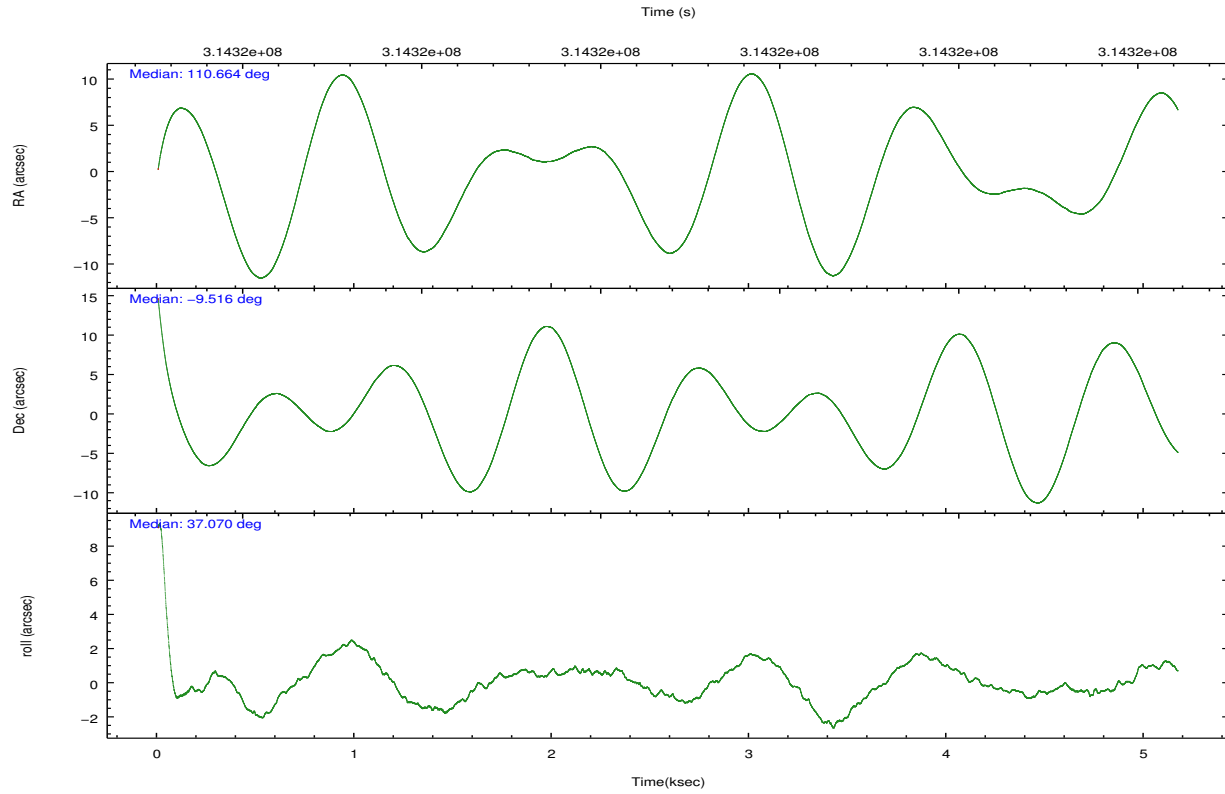
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	40043	38910	45116	40875	44756	48234	grade 0 events	1469	1701	1679	1449	1648	2043
rejected events	36072	34365	40922	37025	40333	27234		3%	4%	3%	3%	3%	4%
rejected %	90%	88%	90%	90%	90%	56%	grade 1 events	16	24	19	22	23	80
								0%	0%	0%	0%	0%	0%
							grade 2 events	1002	1068	1059	873	1040	4482
								2%	2%	2%	2%	2%	9%
							grade 3 events	491	552	451	454	477	2052
								1%	1%	0%	1%	1%	4%
							grade 4 events	450	507	440	476	471	2032
								1%	1%	0%	1%	1%	4%
							grade 5 events	1476	1676	1450	1723	1782	5002
								3%	4%	3%	4%	3%	10%
							grade 6 events	764	926	749	797	981	11393
								1%	2%	1%	1%	2%	23%
							grade 7 events	34375	32456	39269	35081	38334	21150
								85%	83%	87%	85%	85%	43%

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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	110.653183	110.6639884401225	CCD I2 on	Y	Y
[deg] Pointing Dec	-9.541188	-9.515787815456878	CCD I3 on	Y	Y
[deg] Pointing Roll	36.864581	37.07509040375803	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	314314961.184000	314313770.11891	CCD S5 on	N	N
Observation start date	2007-12-17T21:41:36	2007-12-17T21:22:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	314319961.184000	314320925.13175	On-chip summing requested	N	N
Observation end date	2007-12-17T23:04:56	2007-12-17T23:22:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



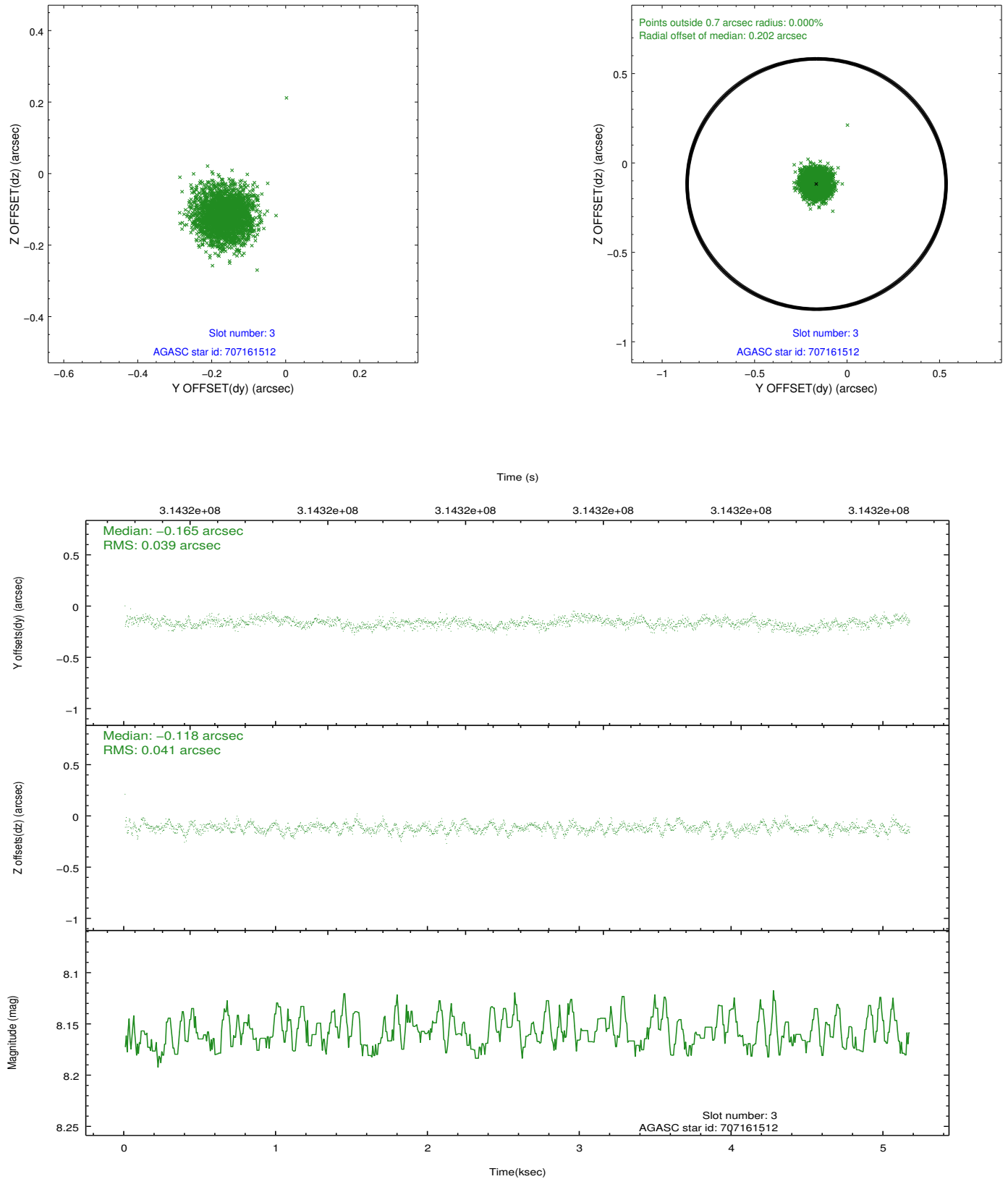


Slot Statistics

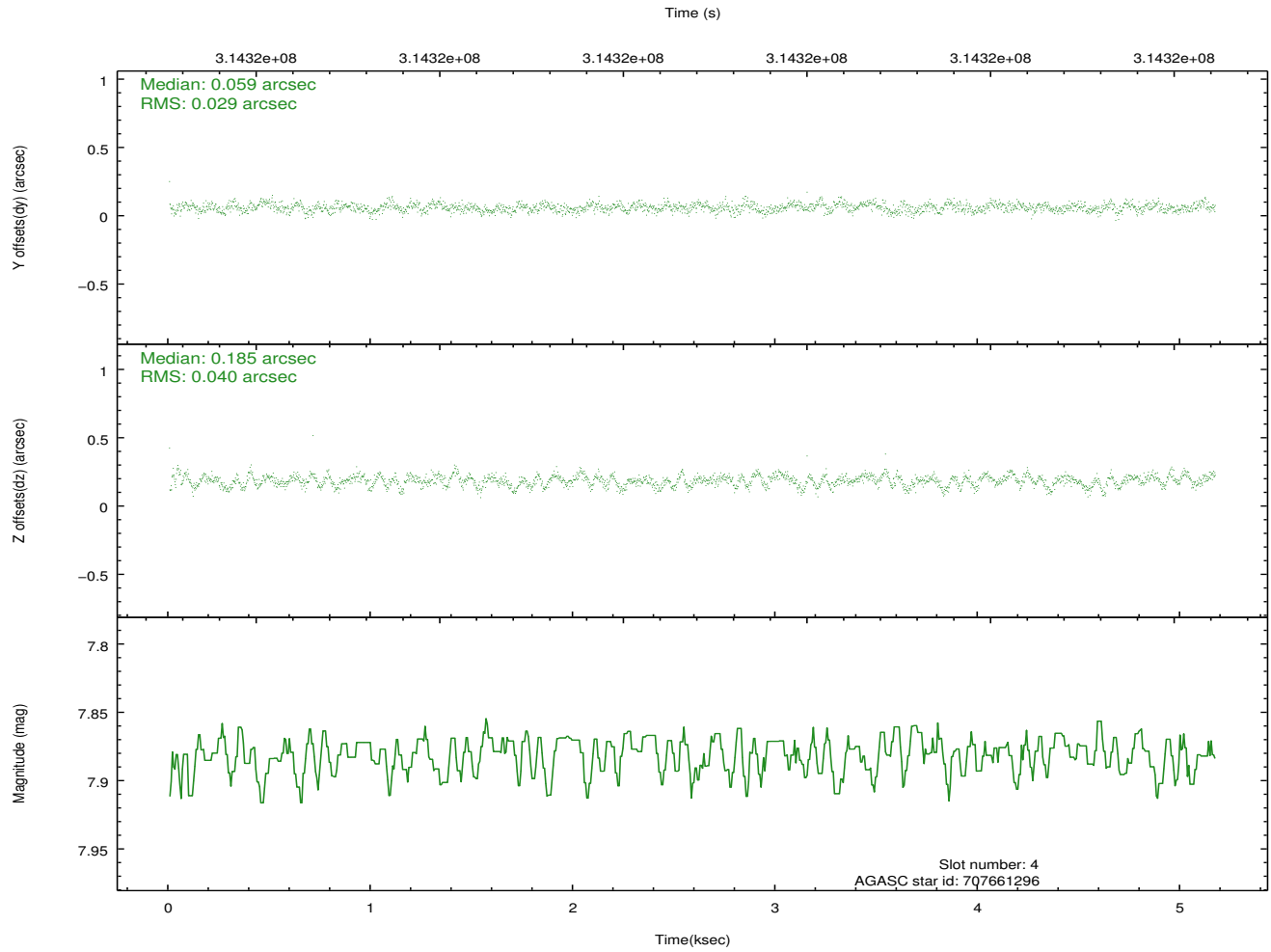
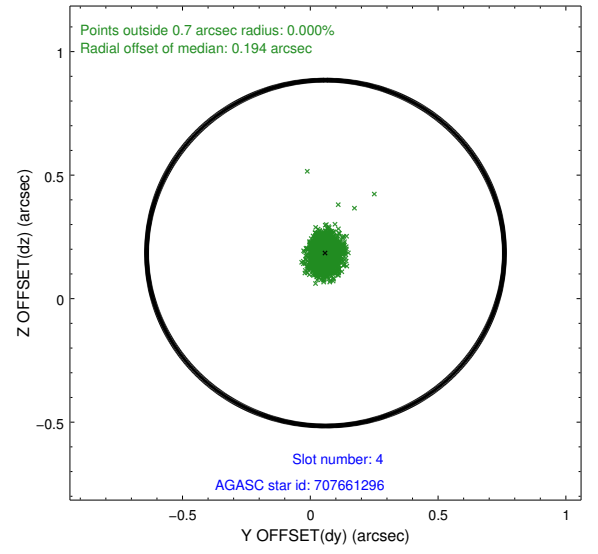
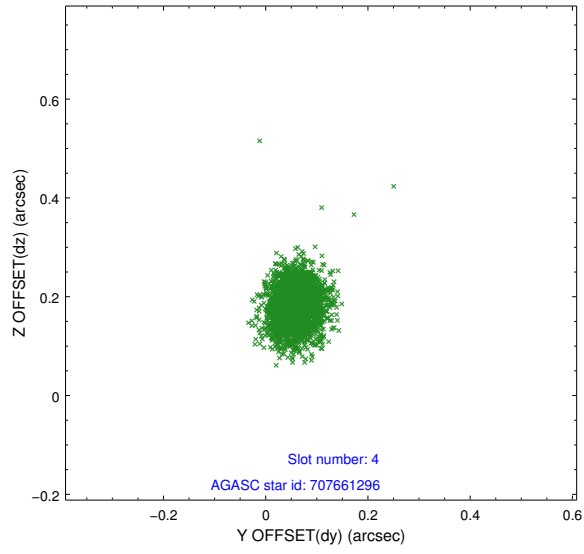
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	1261	0.036	-0.018	0.007	0.013	0.000000	0.000000	925.61	-838.76
1	FID	ACIS-I-5	7.22	1260	-0.214	0.037	0.008	0.013	0.000000	0.000000	-1822.09	1058.20
2	FID	ACIS-I-6	7.23	1261	0.086	0.052	0.009	0.014	0.000000	0.000000	389.94	1704.04
3	GUIDE	707161512	8.16	2522	-0.165	-0.118	0.061	0.097	110.663471	-9.038093	1115.59	1427.16
4	GUIDE	707661296	7.88	2520	0.059	0.185	0.052	0.085	110.646984	-10.237982	-1521.77	-1993.06
5	GUIDE	707665240	8.13	2522	0.113	-0.010	0.080	0.122	110.822375	-9.806748	-93.92	-1125.78
6	GUIDE	707689784	8.66	2522	0.088	0.152	0.067	0.108	110.597021	-10.217754	-1620.39	-1829.76
7	GUIDE	707170984	6.94	2518	-0.096	-0.208	0.067	0.107	110.508556	-8.979380	801.12	1925.86

2.4 Star Slots

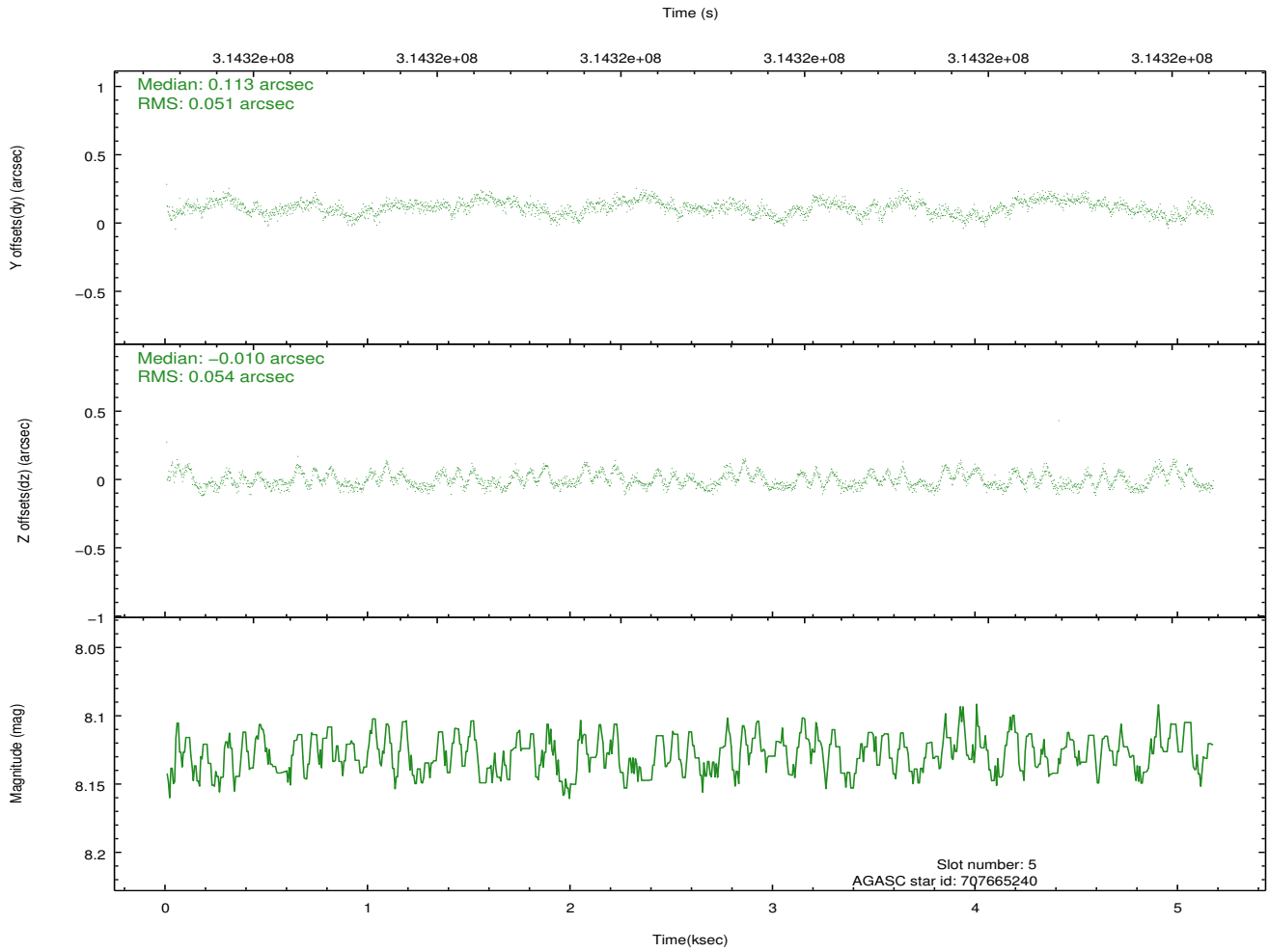
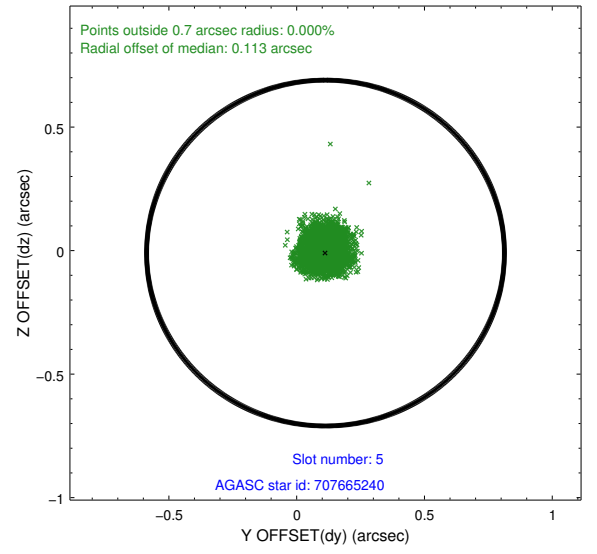
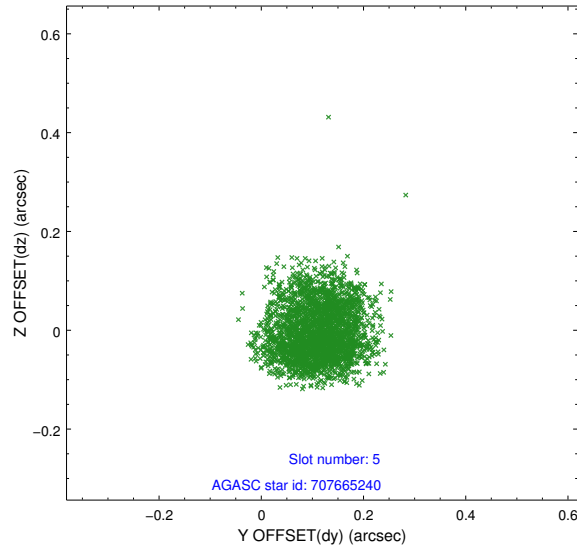
2.4.1 Slot 3



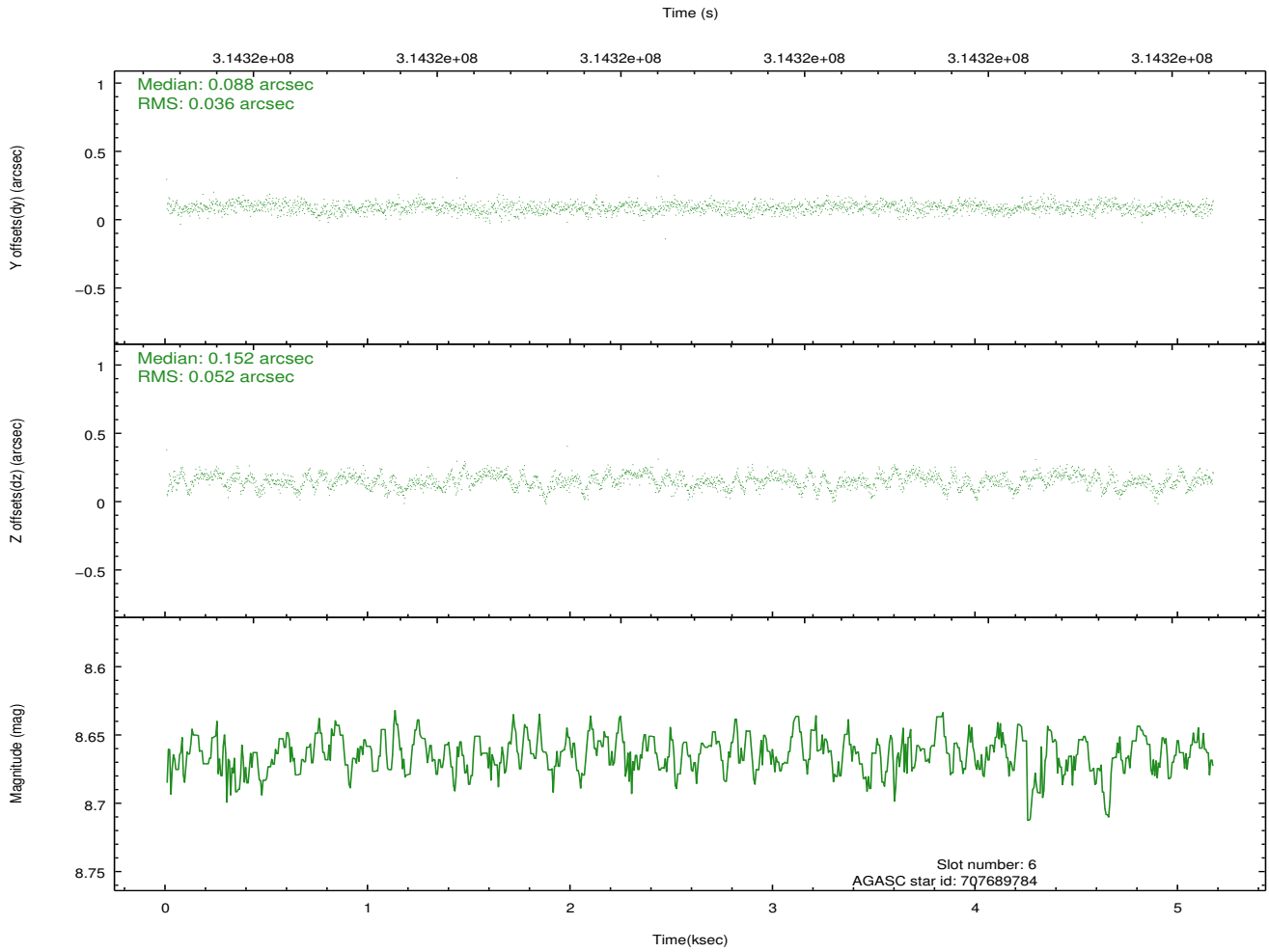
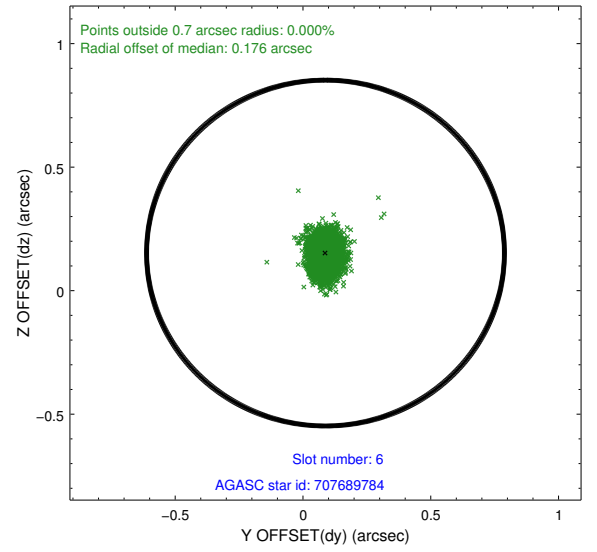
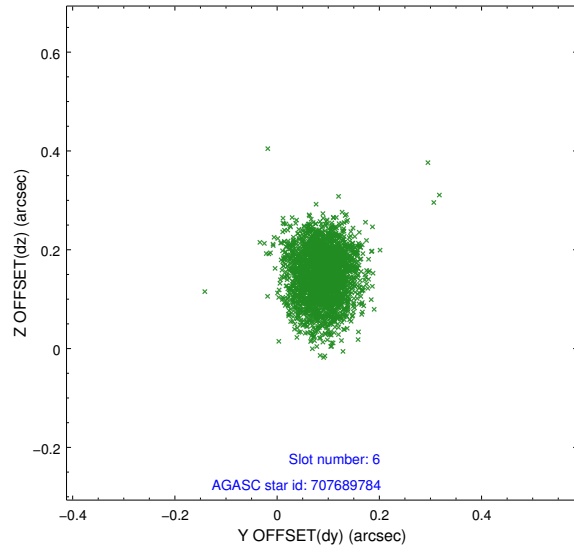
2.4.2 Slot 4



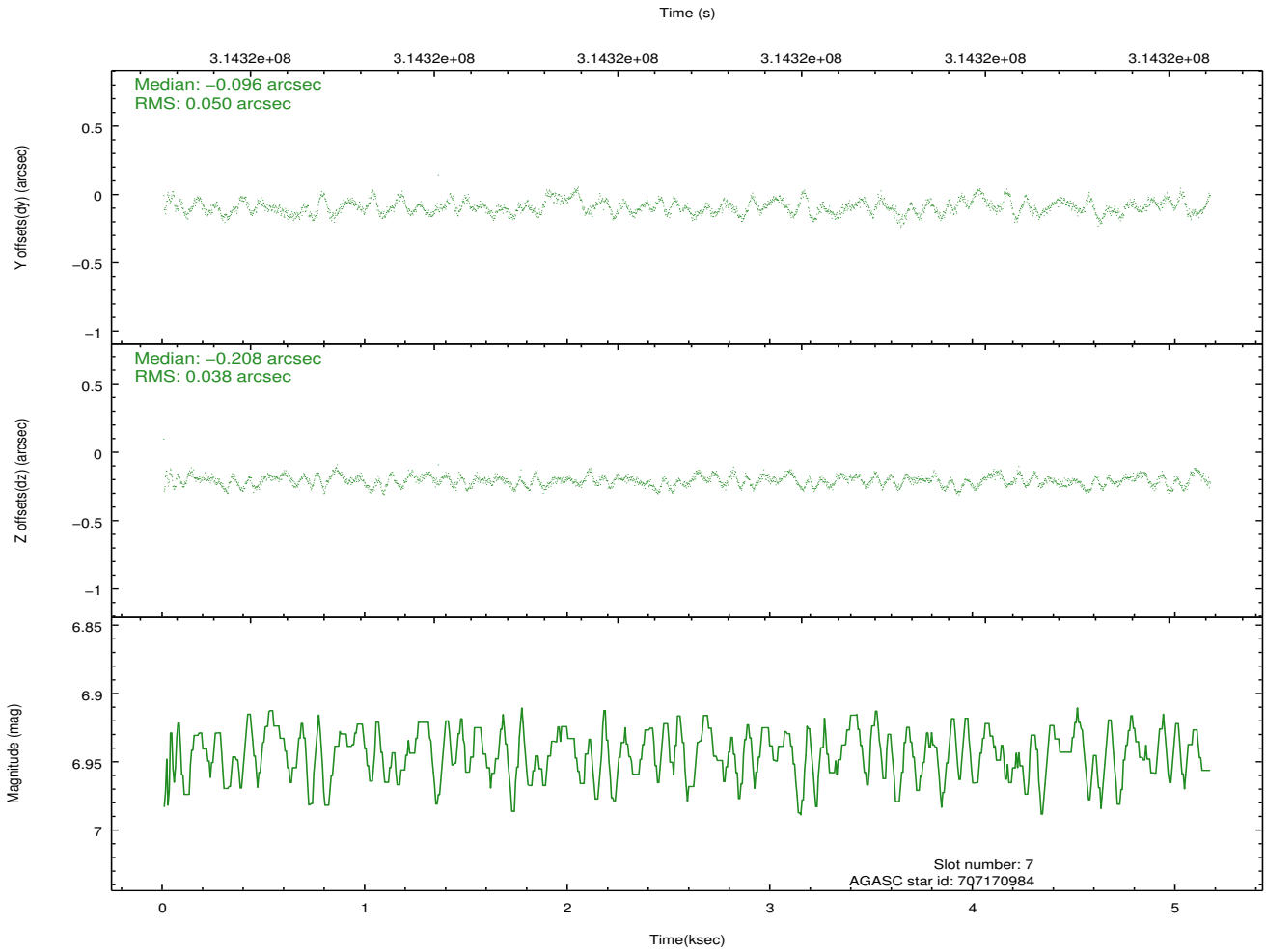
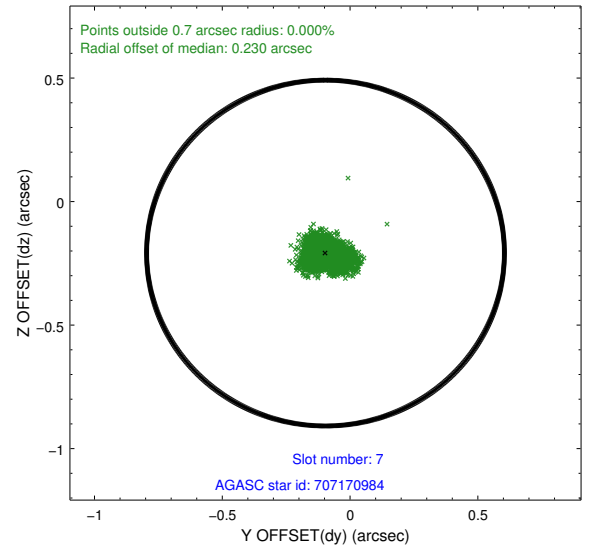
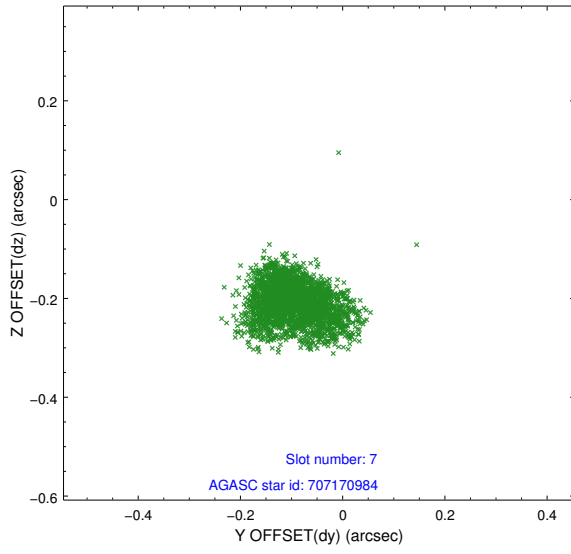
2.4.3 Slot 5



2.4.4 Slot 6

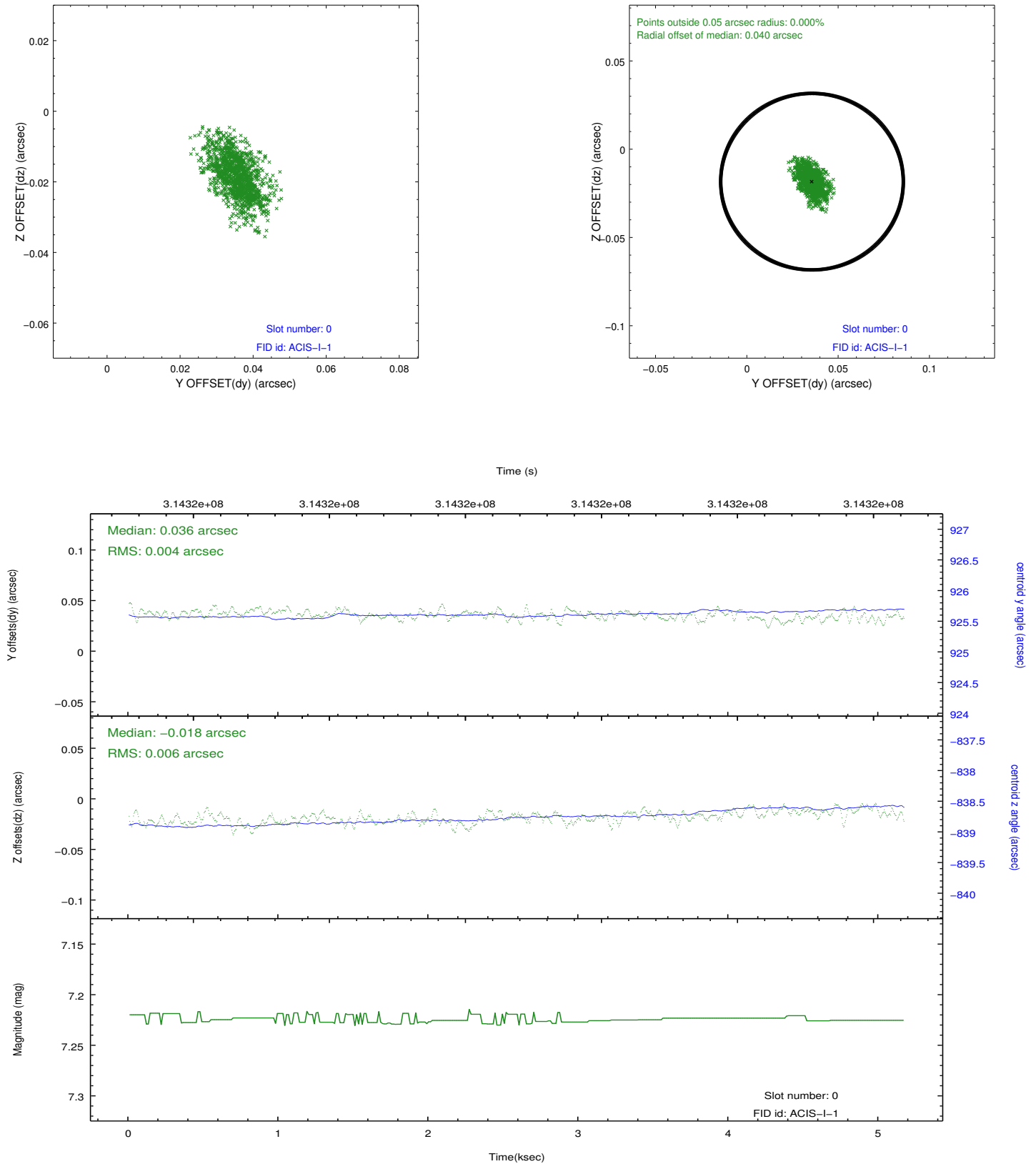


2.4.5 Slot 7

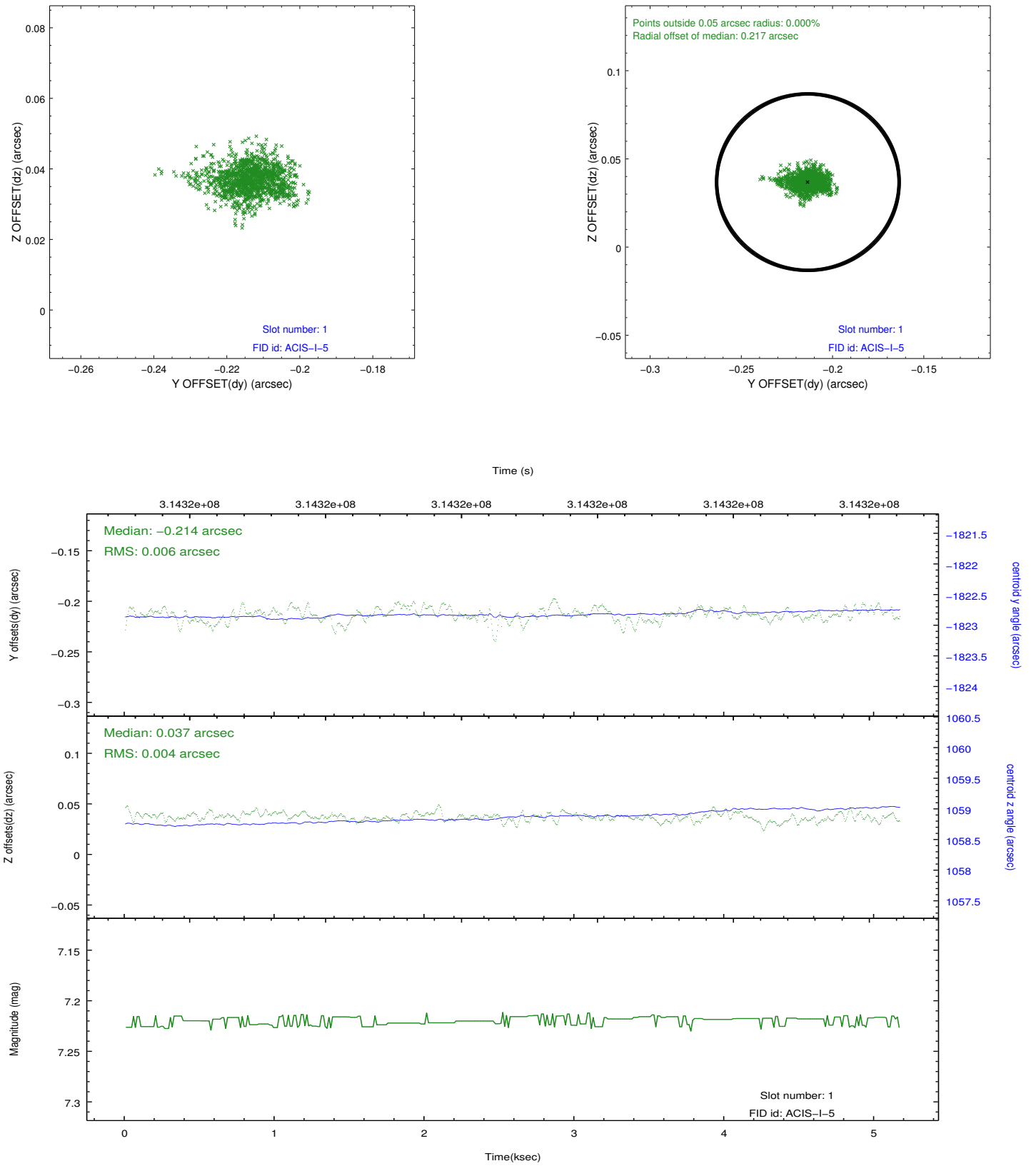


2.5 FID Slots

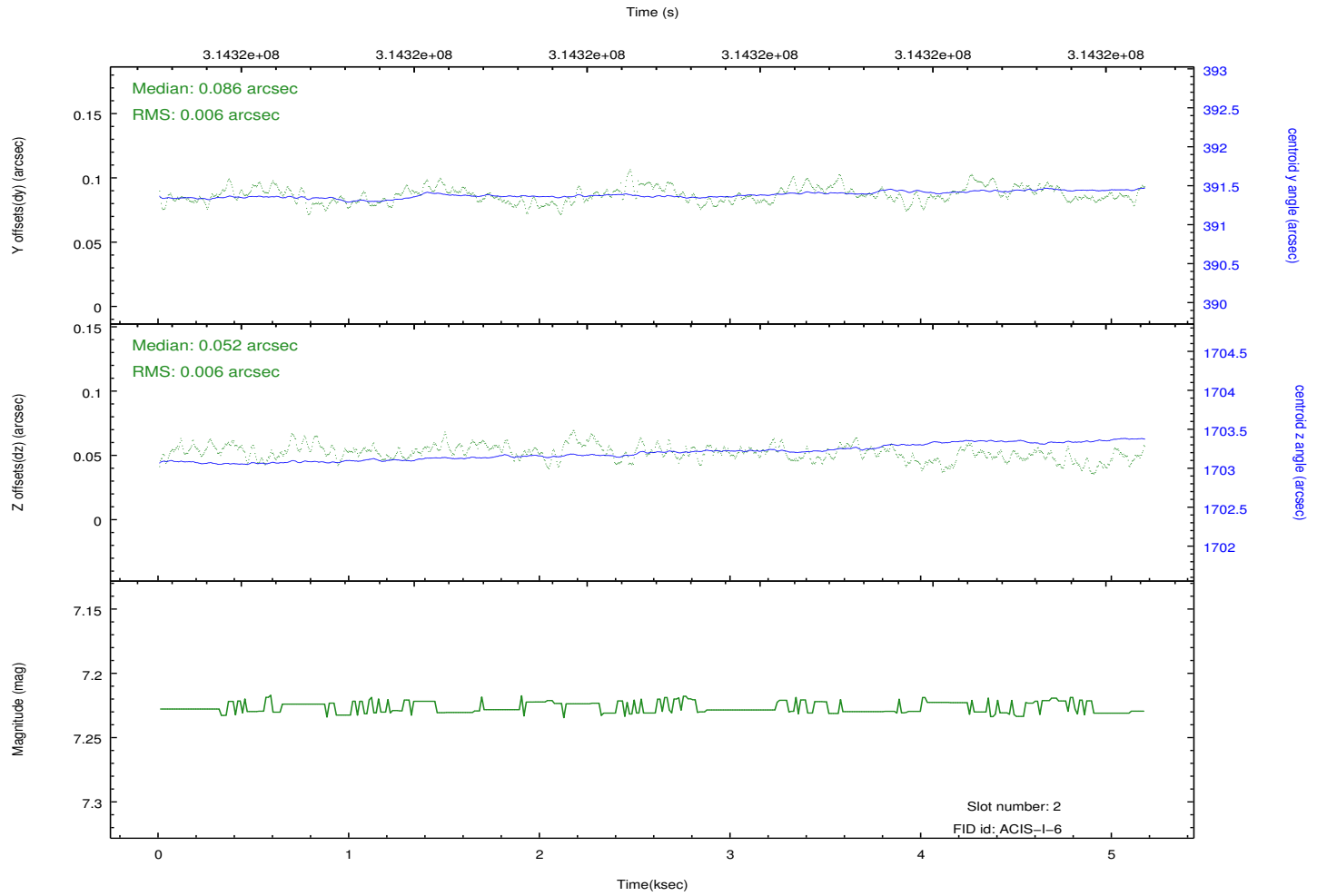
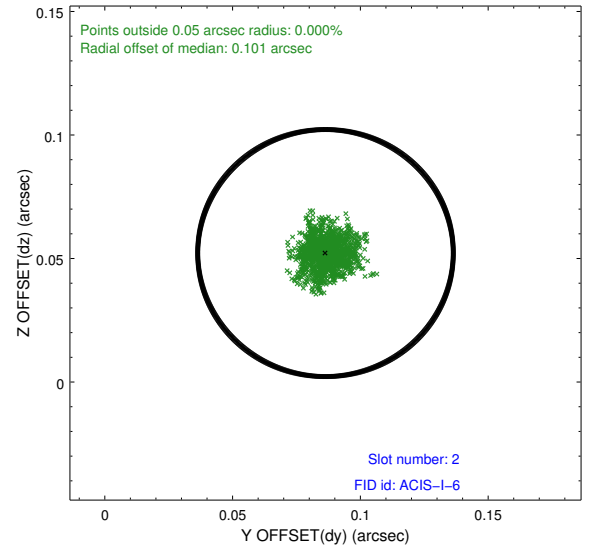
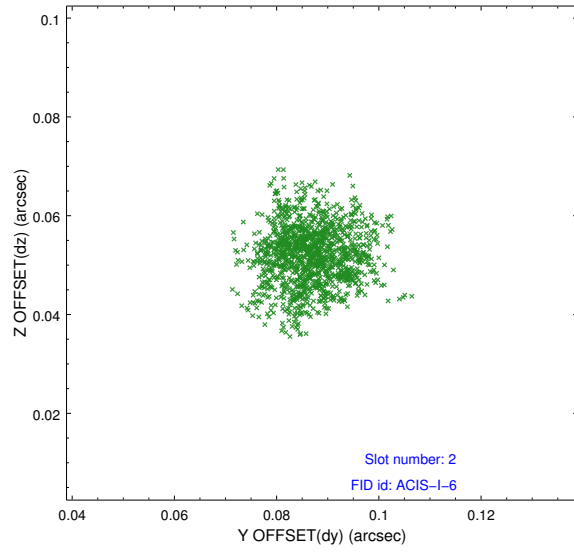
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.16479998

A.2 Comments