

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14034 - L2 Version 1
Chandra X-Ray Center

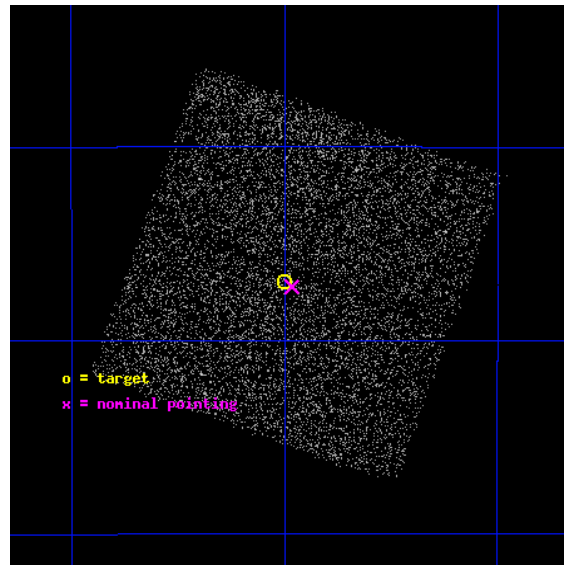
L2 Processing Date : Mar 30 2012

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1 Front

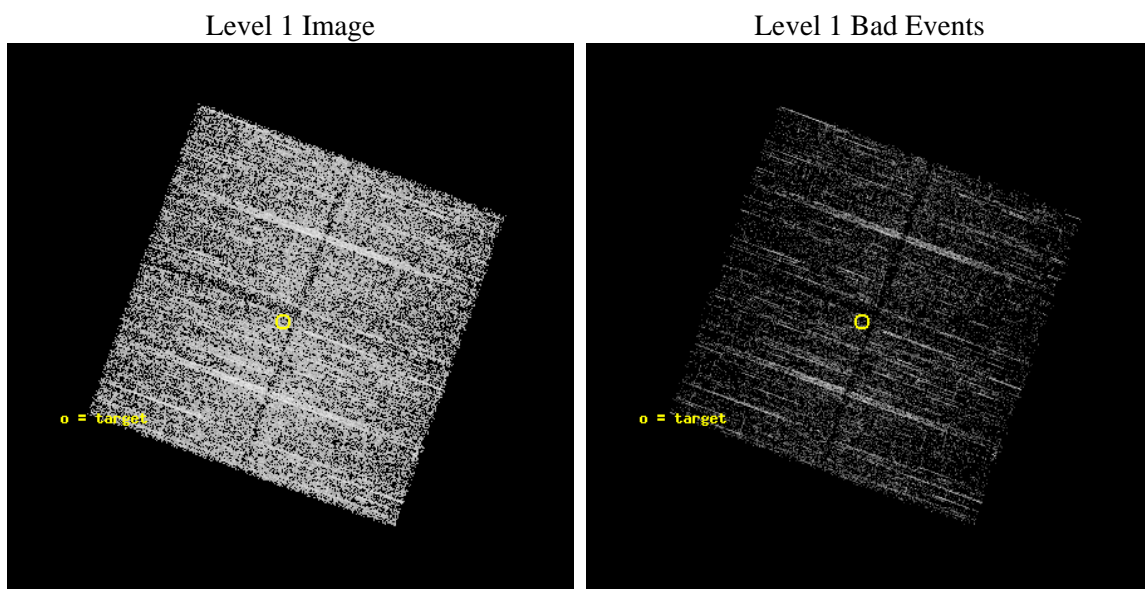
seq_num	901000	Sequence number
obs_id	14034	Observation id
title	BAT, Chandra, NuSTAR and The origin of the Cosmic X-ray Background	
observer	Dr. Marco Ajello	Principal investigator
object	J0132.0-4156	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	23.0	Observer's specified target RA [deg]
dec_targ	-41.949	Observer's specified target Dec [deg]
ra_nom	22.991432686715	Nominal RA [deg]
dec_nom	-41.953882642425	Nominal Dec [deg]
roll_nom	199.93815361765	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5084.0000391006	Sum of GTIs [s]
livetime	5017.5738358034	Livetime [s]
ontime0	5084.0000391006	Sum of GTIs [s]
ontime1	5084.0000391006	Sum of GTIs [s]
ontime2	5084.0000391006	Sum of GTIs [s]
ontime3	5084.0000391006	Sum of GTIs [s]
l2events	11445	Number of level 2 events



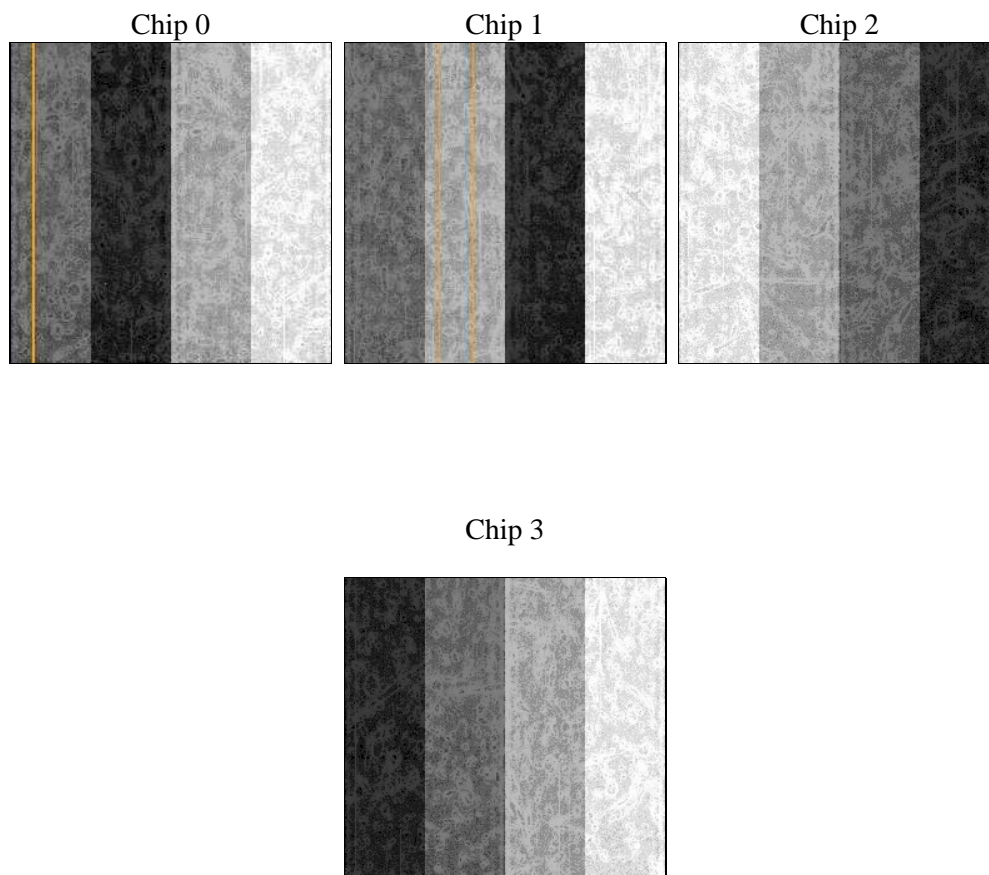
2 OBI

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	8.4.3	Processing system revision	ontime	5084.0000391006	Sum of GTIs [s]
caldsver	4.4.8	 	ontime0	5084.0000391006	Sum of GTIs [s]
date	2012-03-30T07:14:20	Date and time of file creation	ontime1	5084.0000391006	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5084.0000391006	Sum of GTIs [s]
			ontime3	5084.0000391006	Sum of GTIs [s]
			l1events	111380	Number of level 1 events

2.1.4 Events

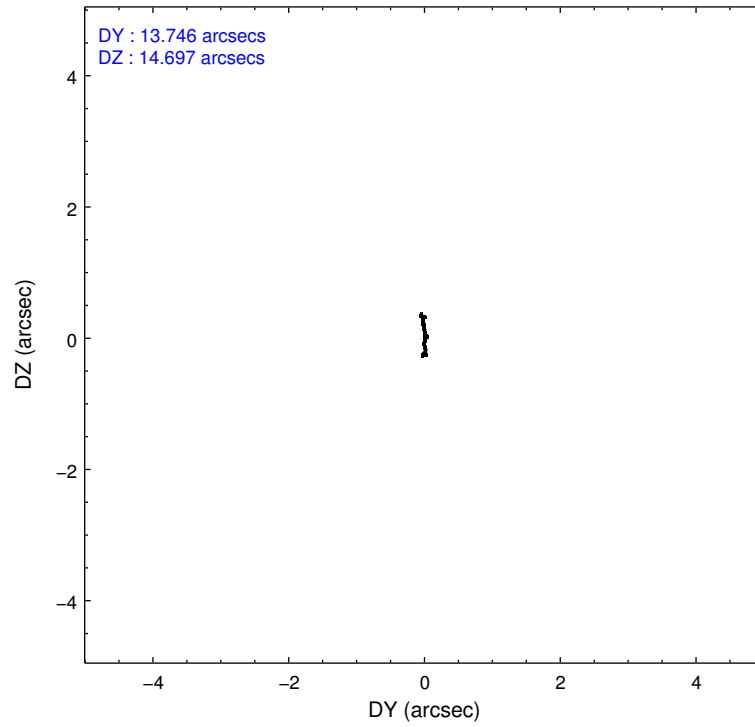
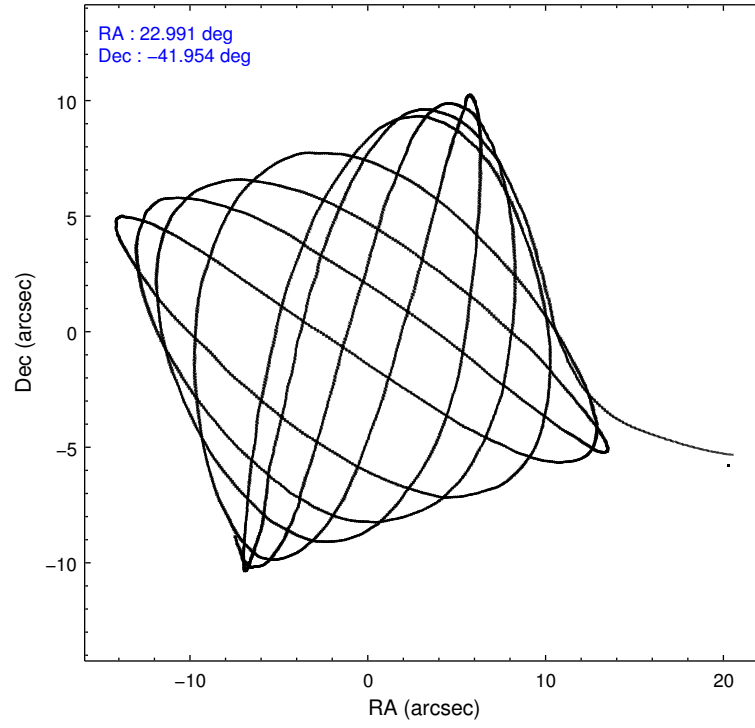
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	25888	27183	30140	28169
rejected events	22577	23416	26739	25042
rejected %	87%	86%	88%	88%

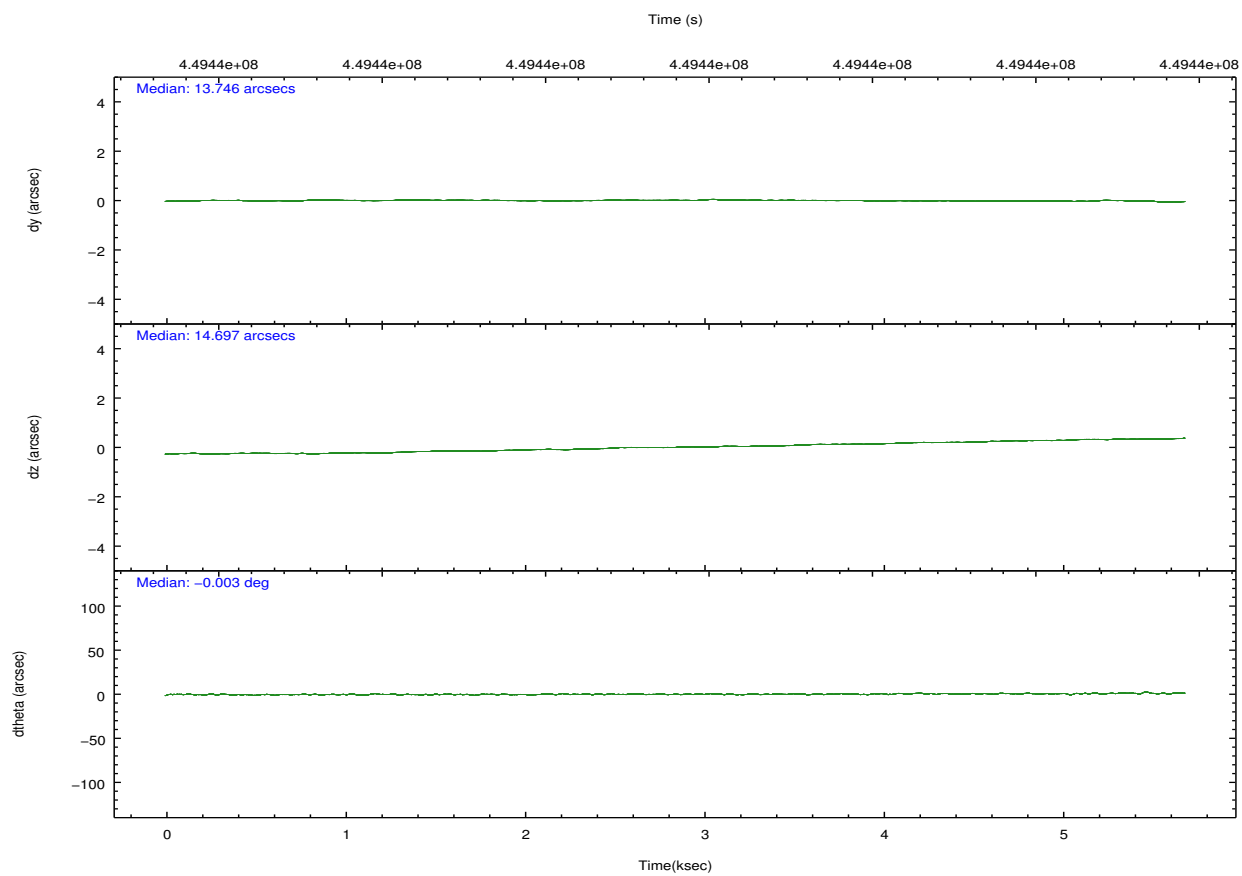
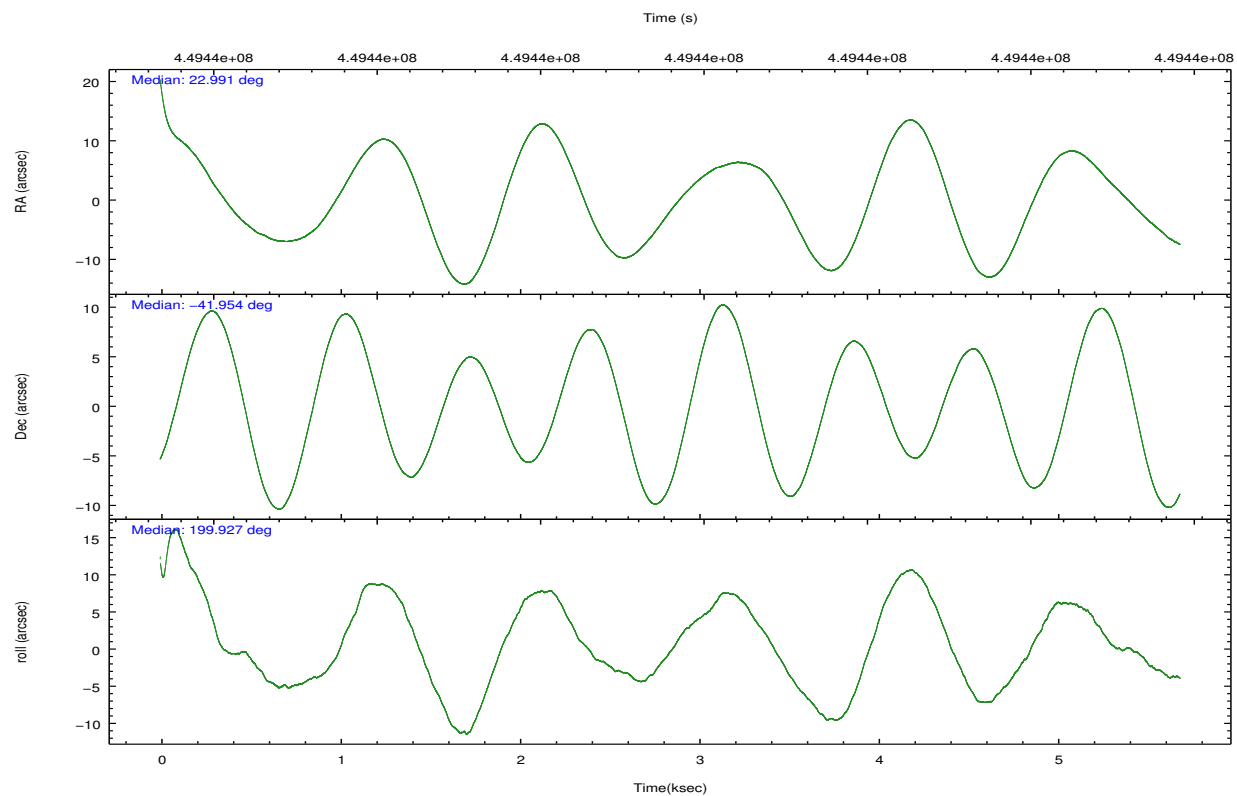
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1209	1331	1260	1122
	4%	4%	4%	3%
grade 1 events	13	13	19	15
	0%	0%	0%	0%
grade 2 events	765	938	797	674
	2%	3%	2%	2%
grade 3 events	360	371	343	346
	1%	1%	1%	1%
grade 4 events	307	360	338	339
	1%	1%	1%	1%
grade 5 events	1305	1270	1324	1493
	5%	4%	4%	5%
grade 6 events	673	771	667	656
	2%	2%	2%	2%
grade 7 events	21256	22129	25392	23524
	82%	81%	84%	83%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	23.015027	22.99143268671516	Subarray requested	NONE	NONE
[deg] Pointing Dec	-41.932770	-41.95388264242463	Alternating exposures requested	N	N
[deg] Pointing Roll	199.745273	199.9381536176496	[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)	449437636.184000	449435795.15197			
Observation start date	2012-03-29T19:46:10	2012-03-29T19:16:35			
[s] Observation end time (MET)	449442636.184000	449444142.75241			
Observation end date	2012-03-29T21:09:30	2012-03-29T21:35:42			
Read mode	TIMED	TIMED			

2.3 Aspect



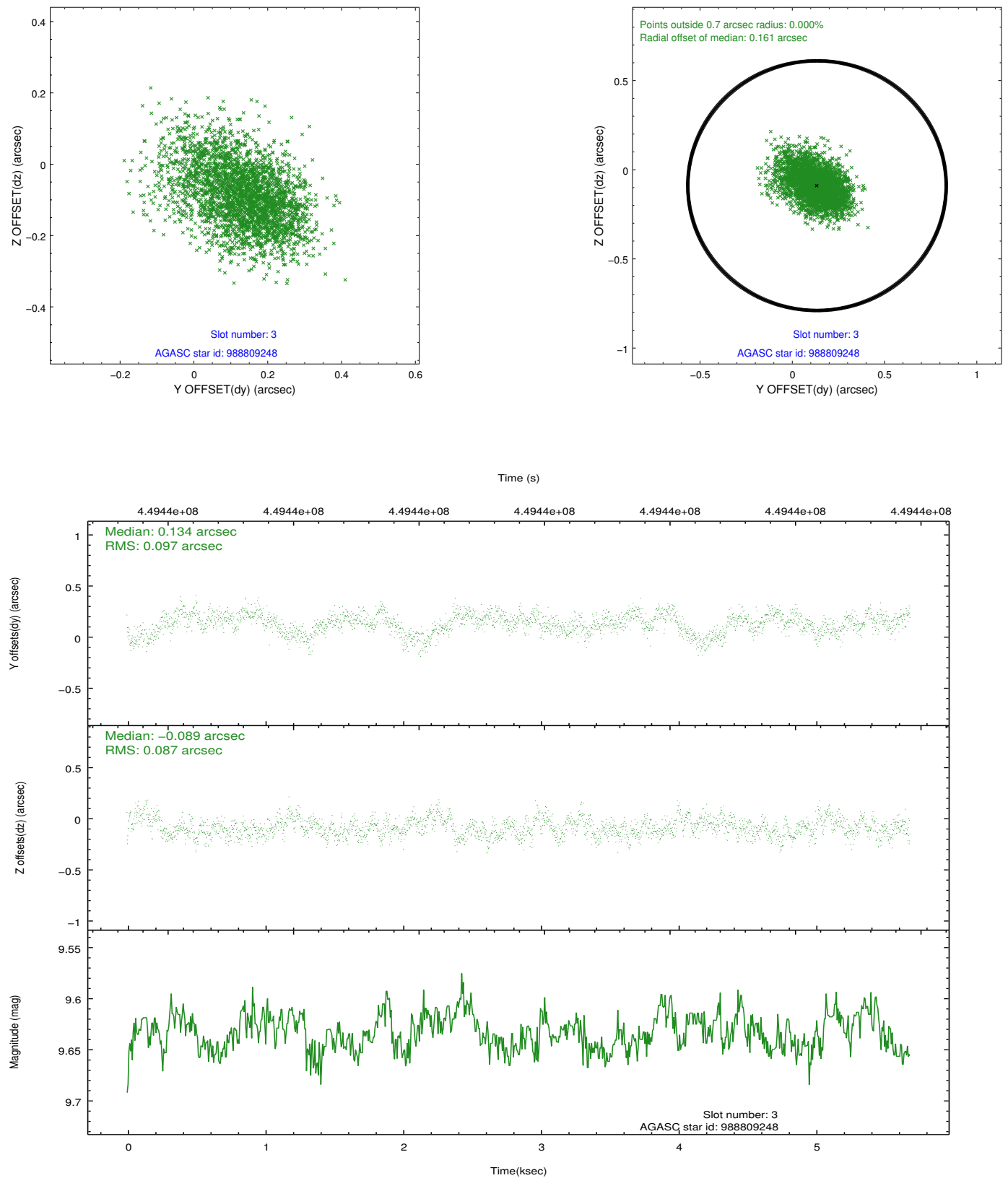


Slot Statistics

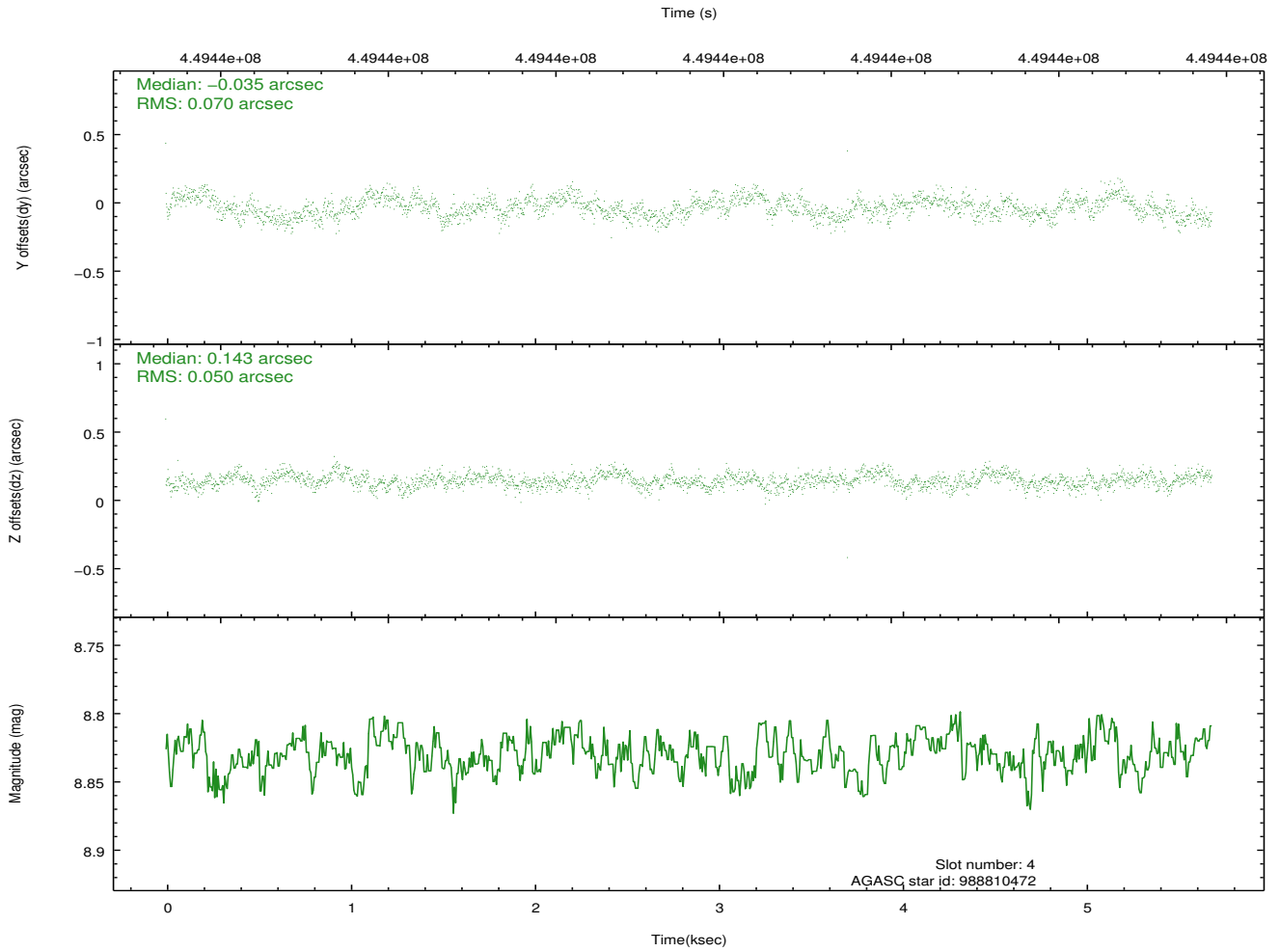
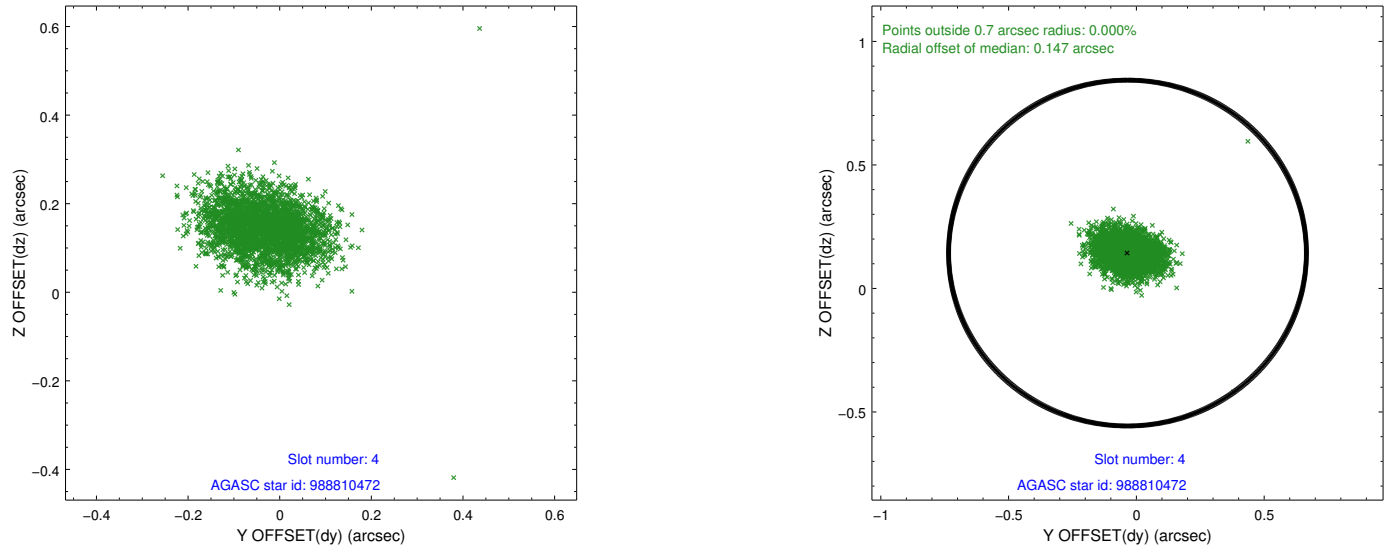
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	1386	0.025	0.024	0.011	0.018	0.000000	0.000000	925.79	-838.27
1	FID	ACIS-I-5	7.05	1387	-0.198	0.039	0.006	0.010	0.000000	0.000000	-1821.99	1058.67
2	FID	ACIS-I-6	7.06	1387	0.082	0.007	0.011	0.019	0.000000	0.000000	390.21	1704.37
3	GUIDE	988809248	9.63	2768	0.134	-0.089	0.140	0.231	23.247633	-42.231338	-219.96	1222.54
4	GUIDE	988810472	8.83	2775	-0.035	0.143	0.090	0.145	22.326748	-41.832381	1618.62	-955.72
5	GUIDE	988814824	9.94	2771	-0.083	0.017	0.195	0.325	22.317497	-41.446711	1184.47	-2274.89
6	GUIDE	988940512	9.47	2774	-0.002	-0.194	0.165	0.254	23.874655	-42.325769	-1670.98	2114.52
7	GUIDE	988944216	9.70	2769	-0.009	0.093	0.173	0.260	23.504852	-41.434707	-1848.37	-1236.43

2.4 Star Slots

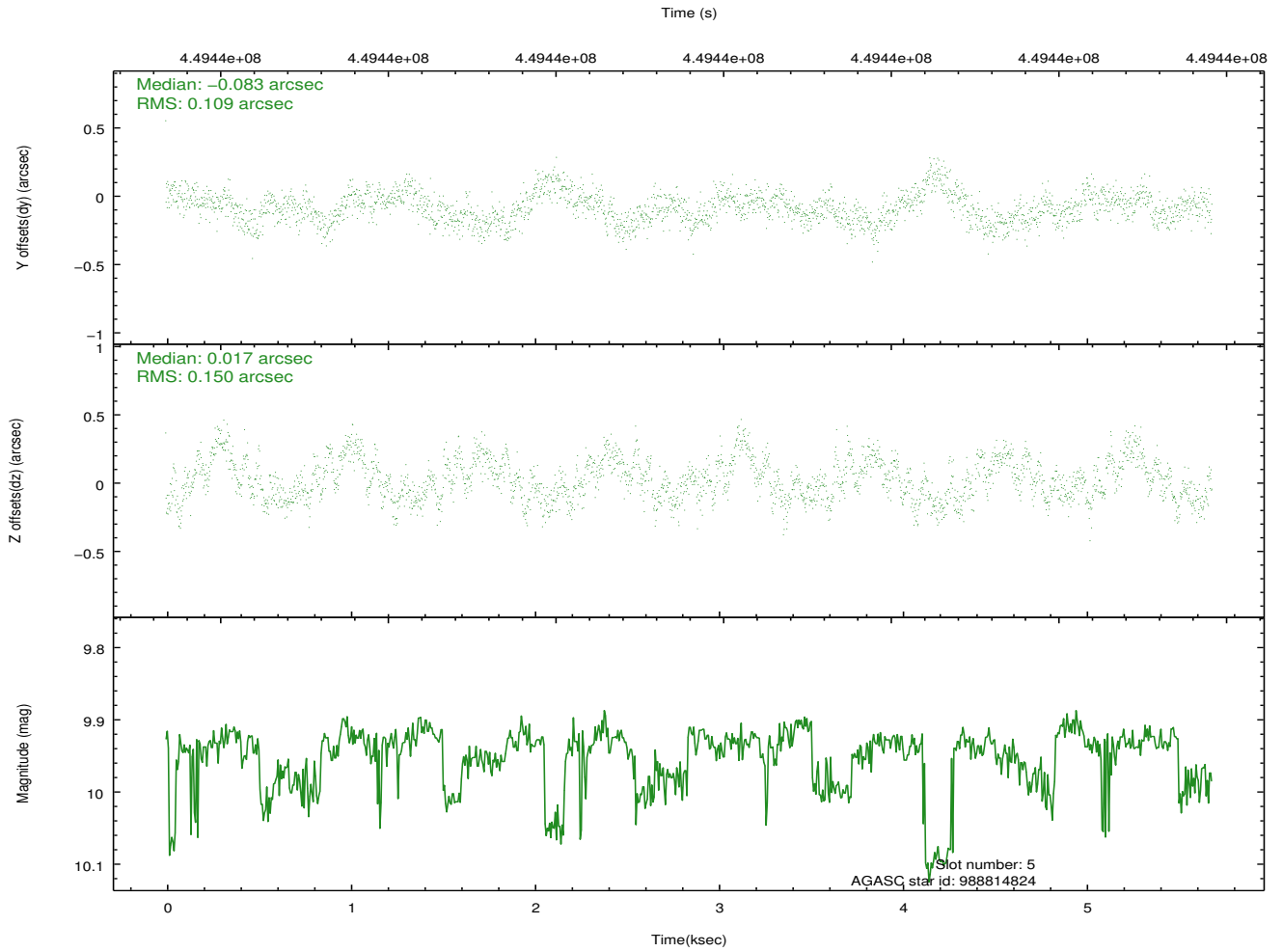
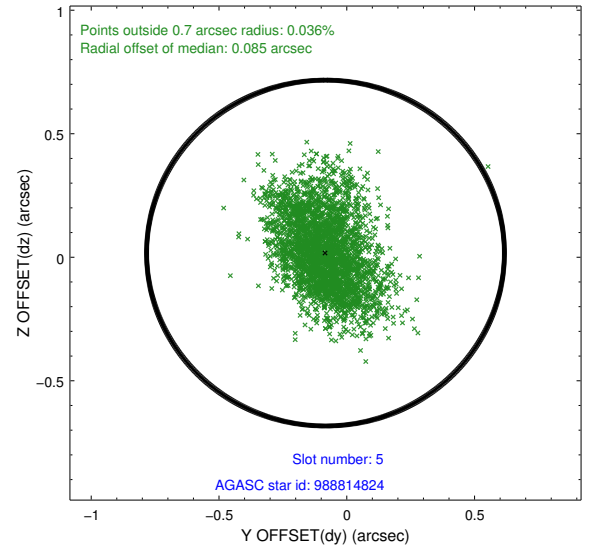
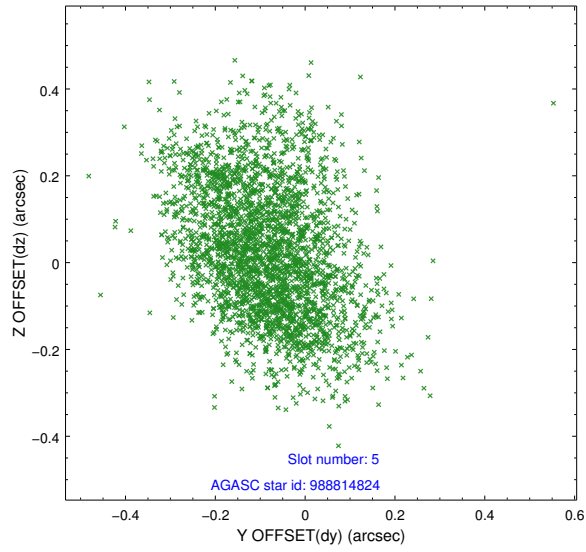
2.4.1 Slot 3



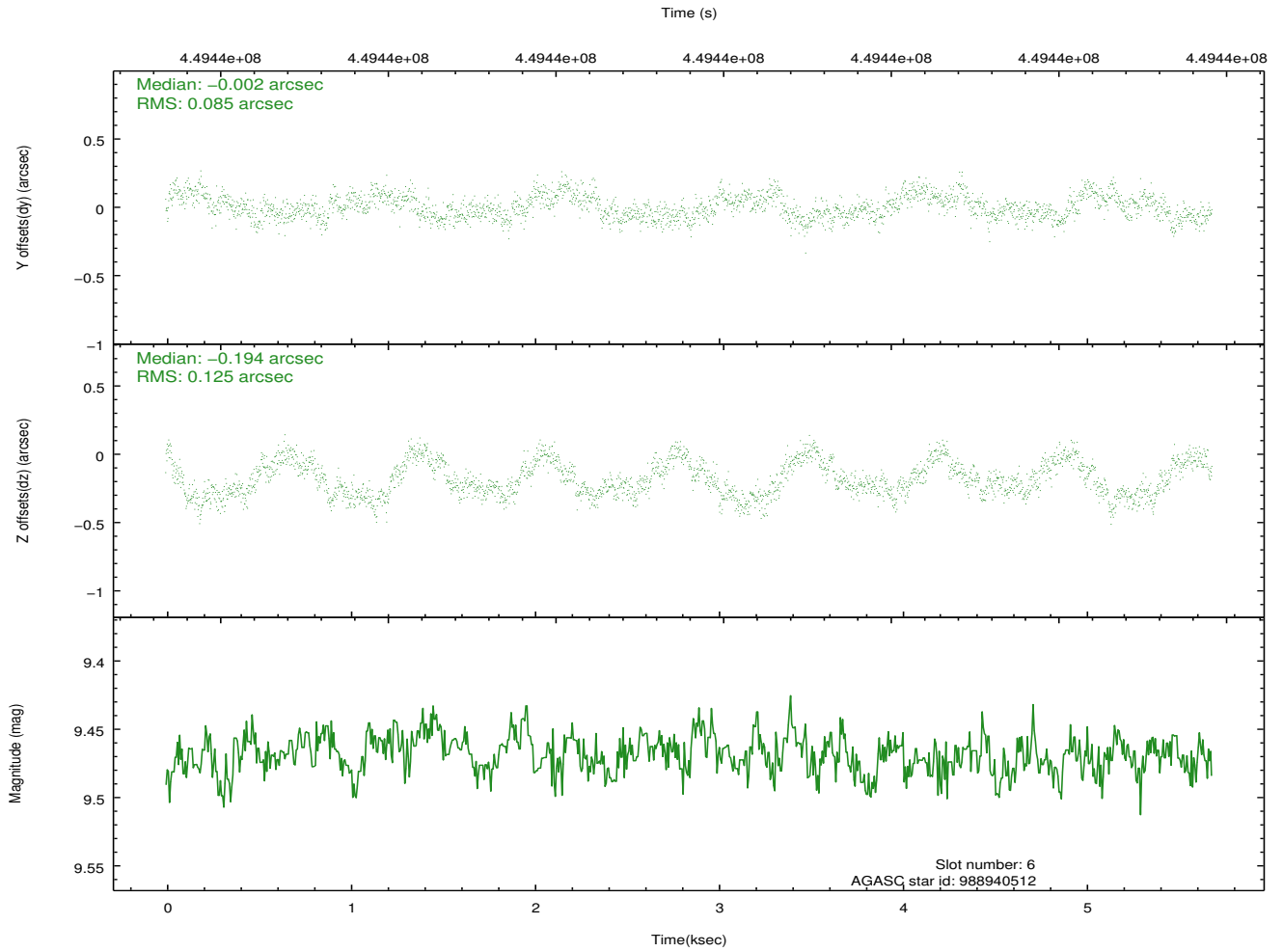
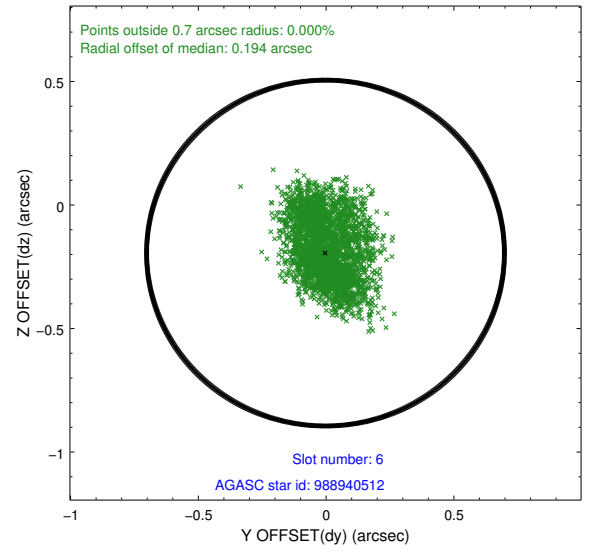
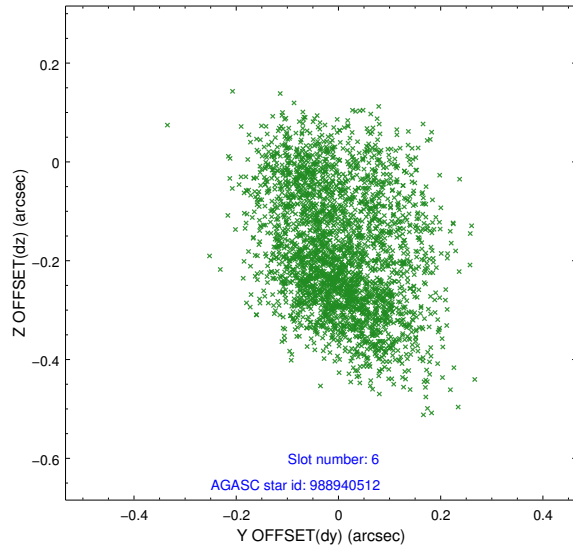
2.4.2 Slot 4



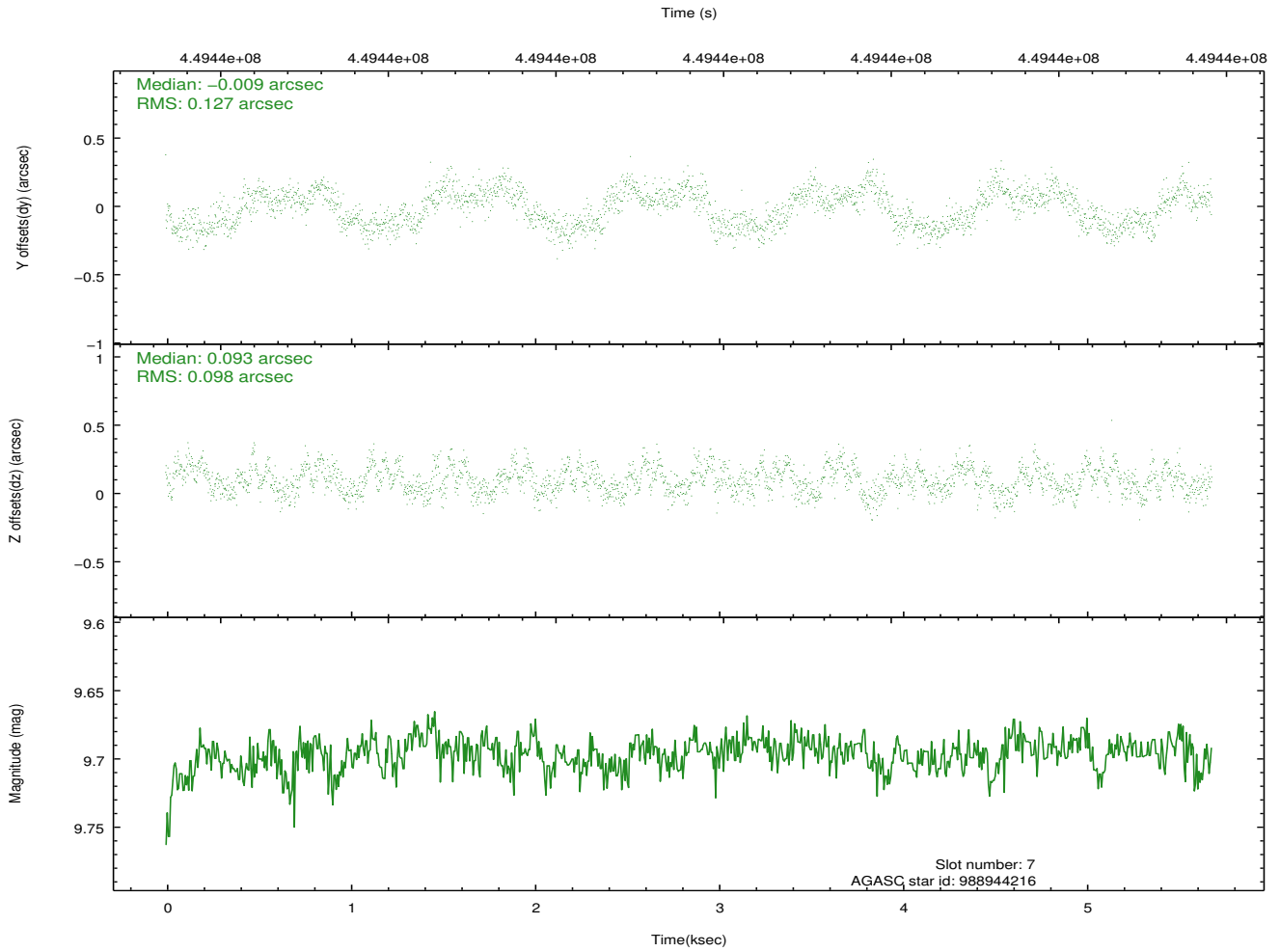
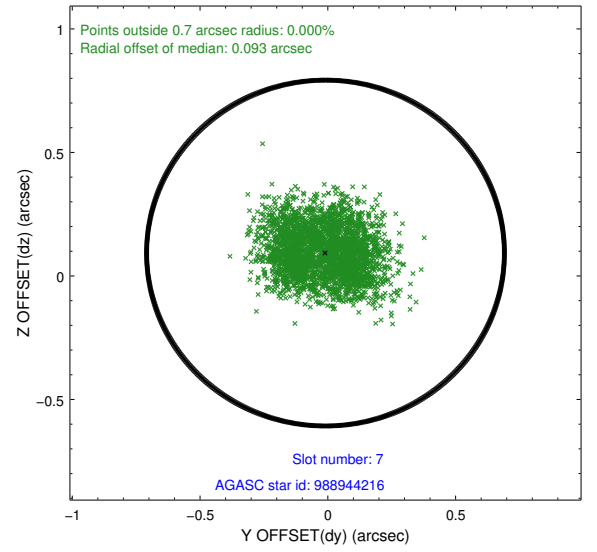
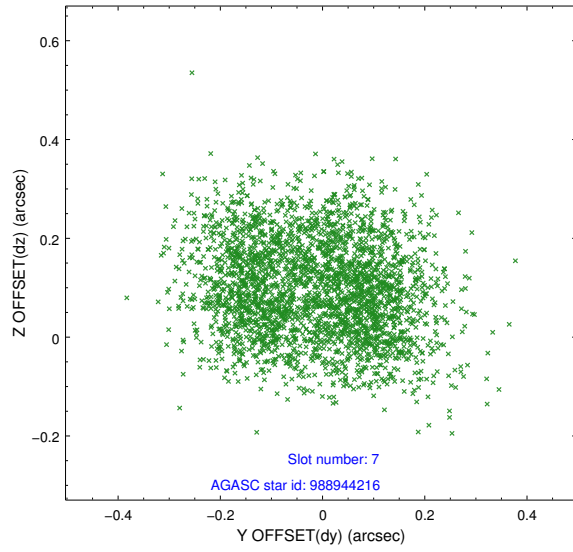
2.4.3 Slot 5



2.4.4 Slot 6

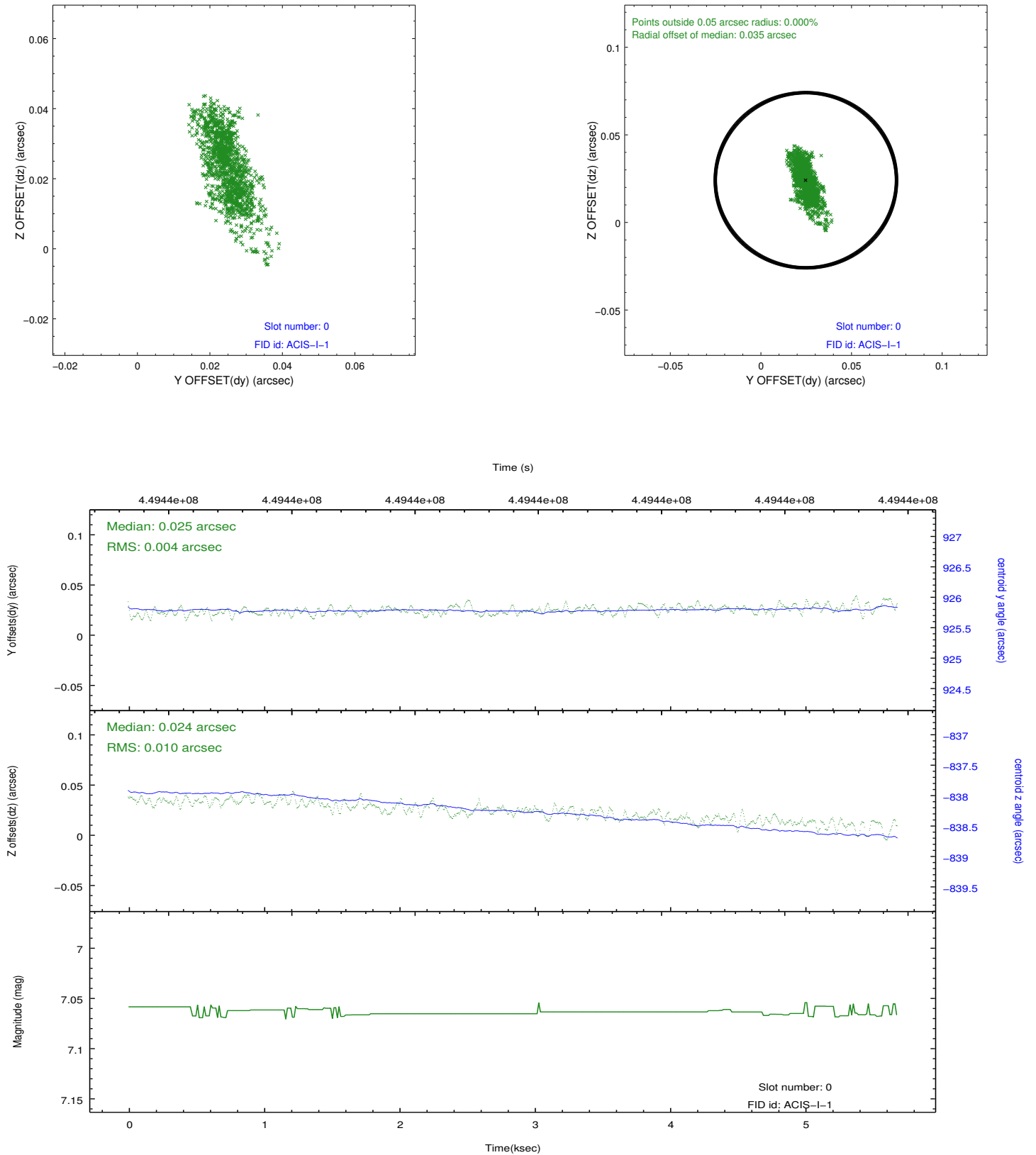


2.4.5 Slot 7

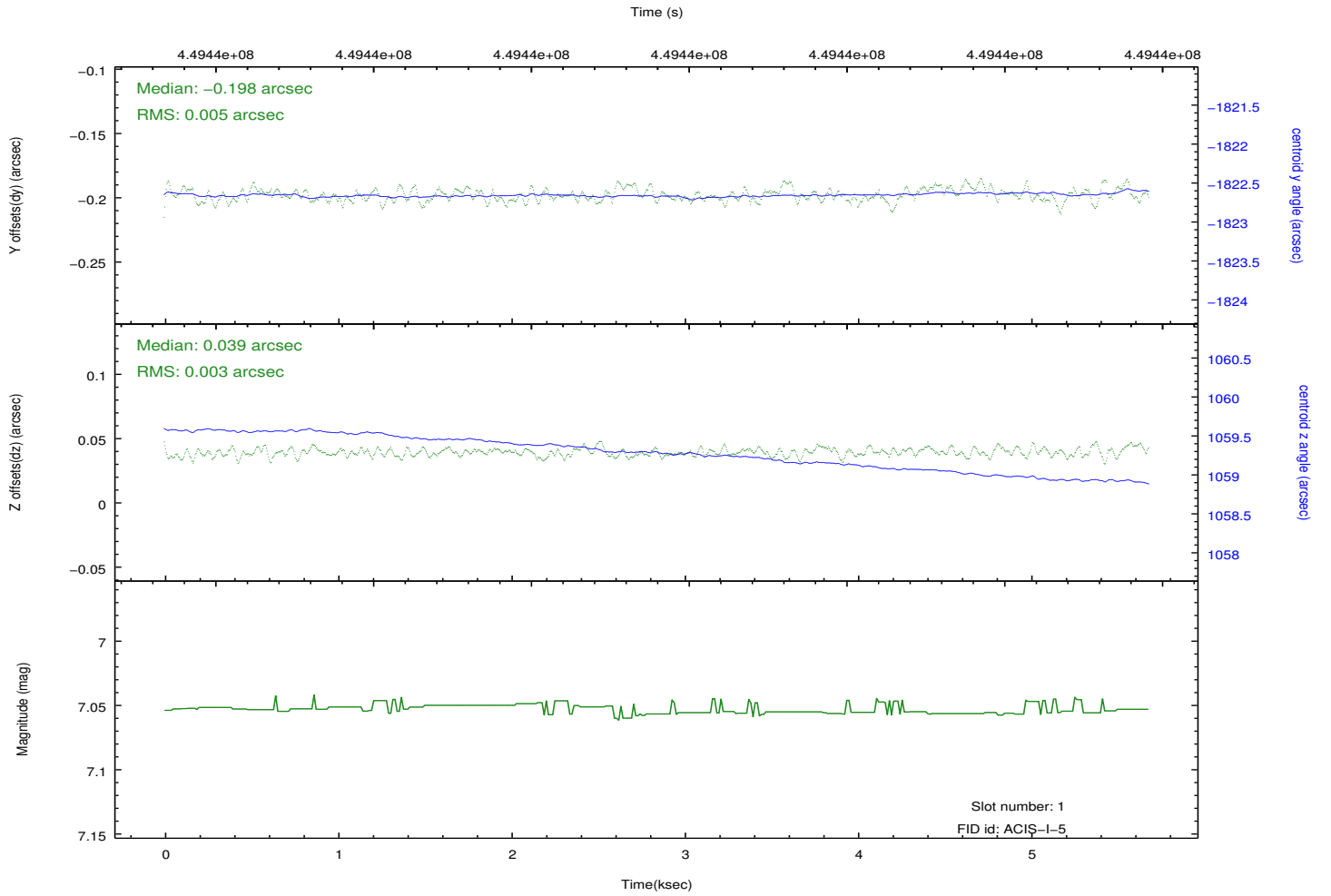
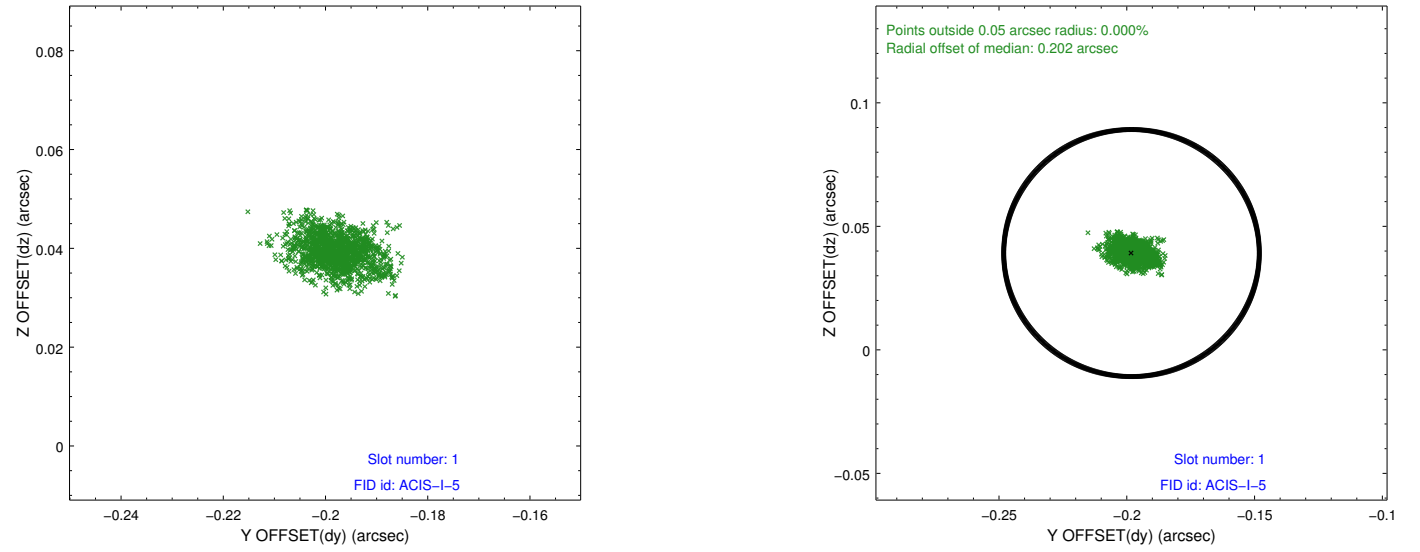


2.5 FID Slots

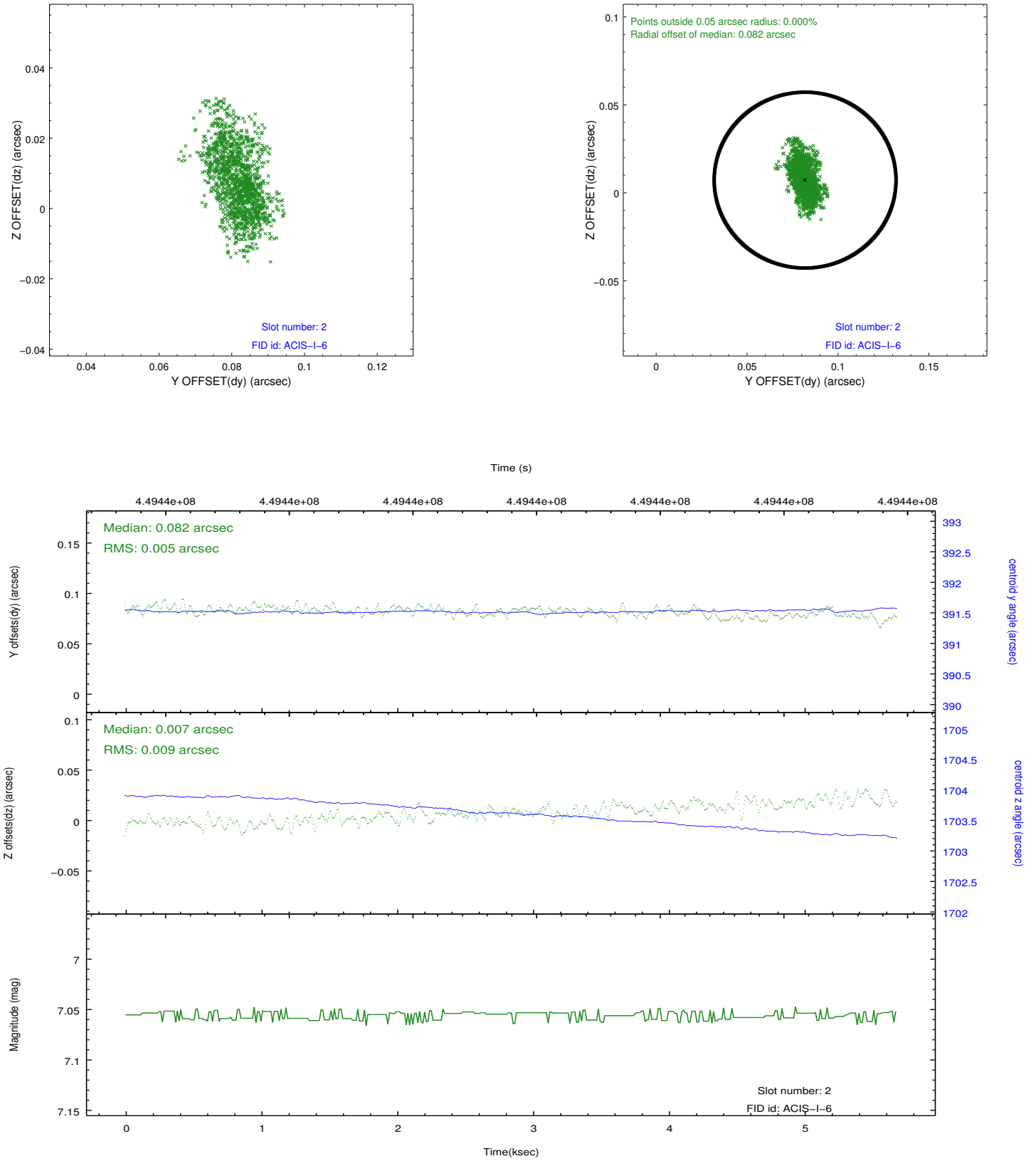
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0840000391006

A.2 Comments