

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 14038 - L2 Version 1
Chandra X-Ray Center

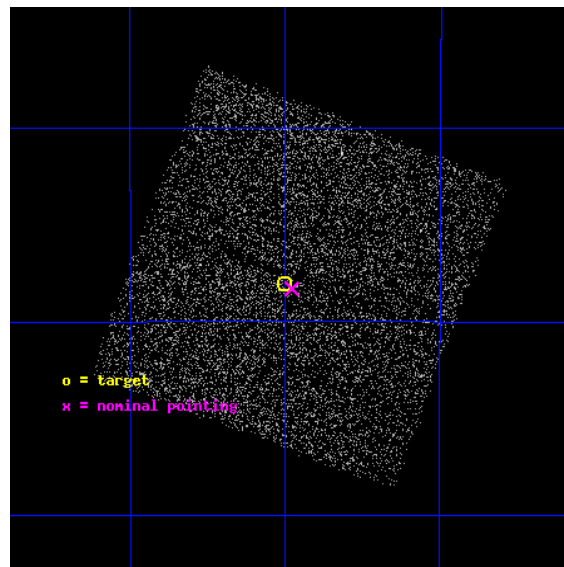
L2 Processing Date : Apr 17 2012

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1 Front

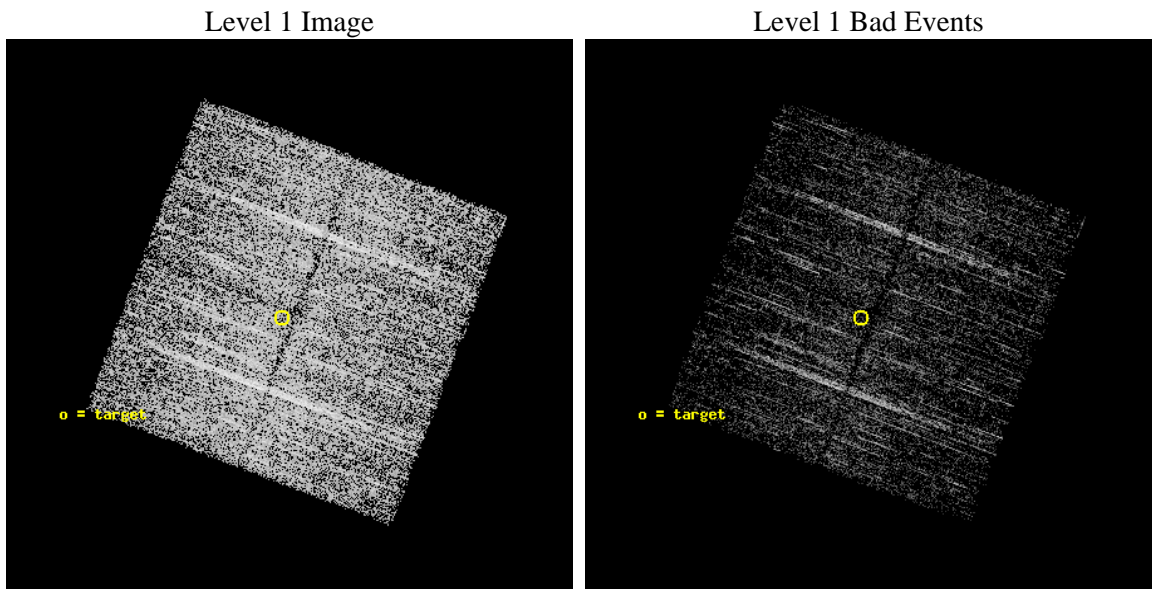
seq_num	901004	Sequence number
obs_id	14038	Observation id
title	BAT, Chandra, NuSTAR and The origin of the Cosmic X-ray Background	
observer	Dr. Marco Ajello	Principal investigator
object	J0259.0-5717	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	44.750833	Observer's specified target RA [deg]
dec_targ	-57.3	Observer's specified target Dec [deg]
ra_nom	44.739245140432	Nominal RA [deg]
dec_nom	-57.305045881231	Nominal Dec [deg]
roll_nom	200.86584233492	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5087.1000391245	Sum of GTIs [s]
livetime	5020.6333320448	Livetime [s]
ontime0	5087.1000391245	Sum of GTIs [s]
ontime1	5087.1000391245	Sum of GTIs [s]
ontime2	5083.9589987993	Sum of GTIs [s]
ontime3	5087.1000391245	Sum of GTIs [s]
l2events	12099	Number of level 2 events



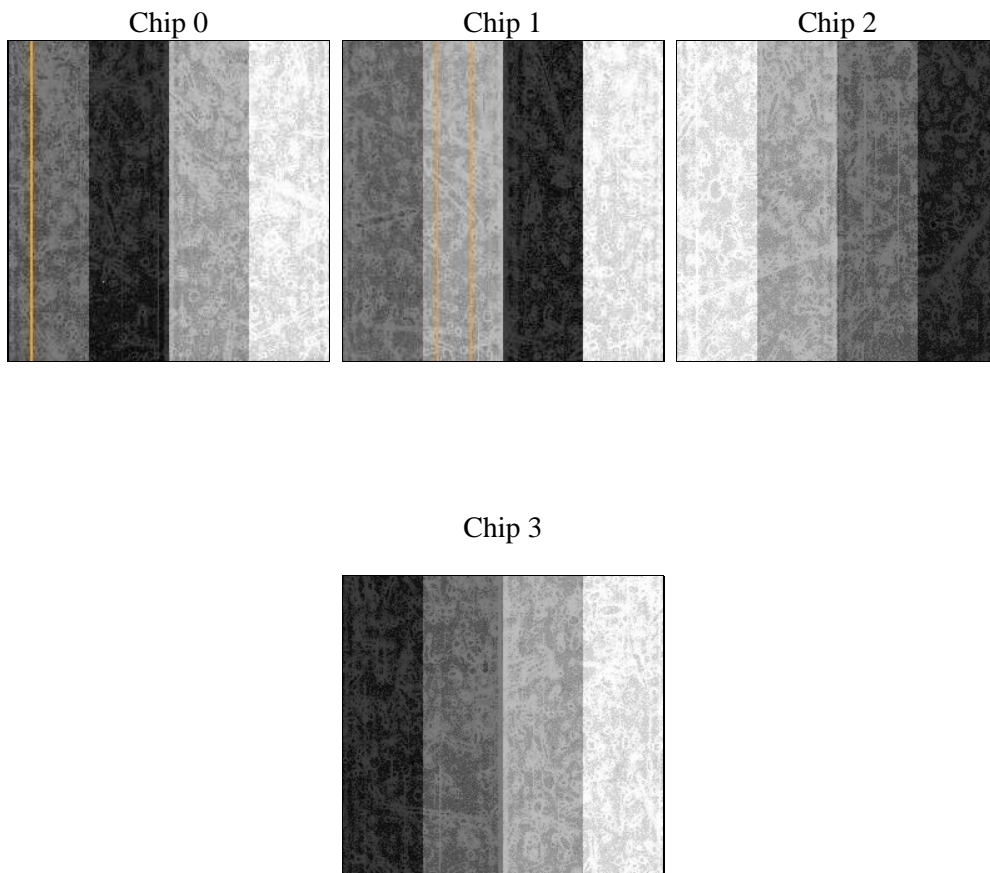
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5001.499000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5087.1000391245	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5087.1000391245	Sum of GTIs [s]
date	2012-04-17T05:08:47	Date and time of file creation	ontime1	5087.1000391245	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5083.9589987993	Sum of GTIs [s]
			ontime3	5087.1000391245	Sum of GTIs [s]
			l1events	116794	Number of level 1 events

2.1.4 Events

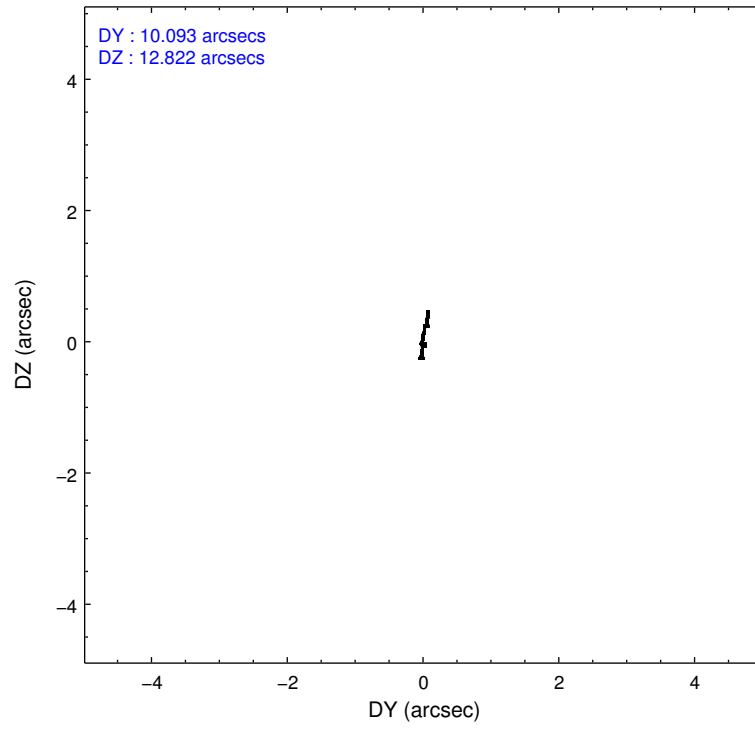
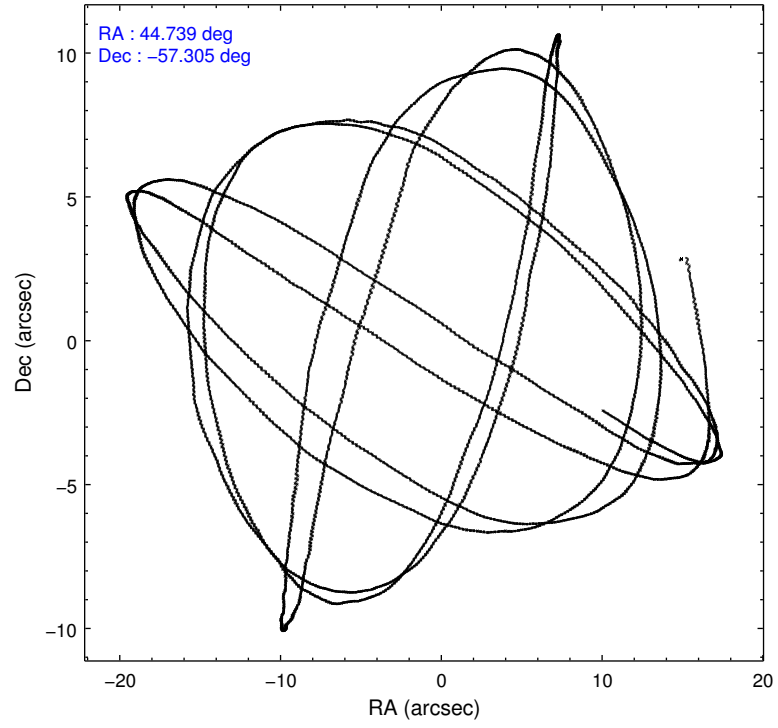
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	28415	28583	30344	29452
rejected events	24782	24652	26962	26051
rejected %	87%	86%	88%	88%

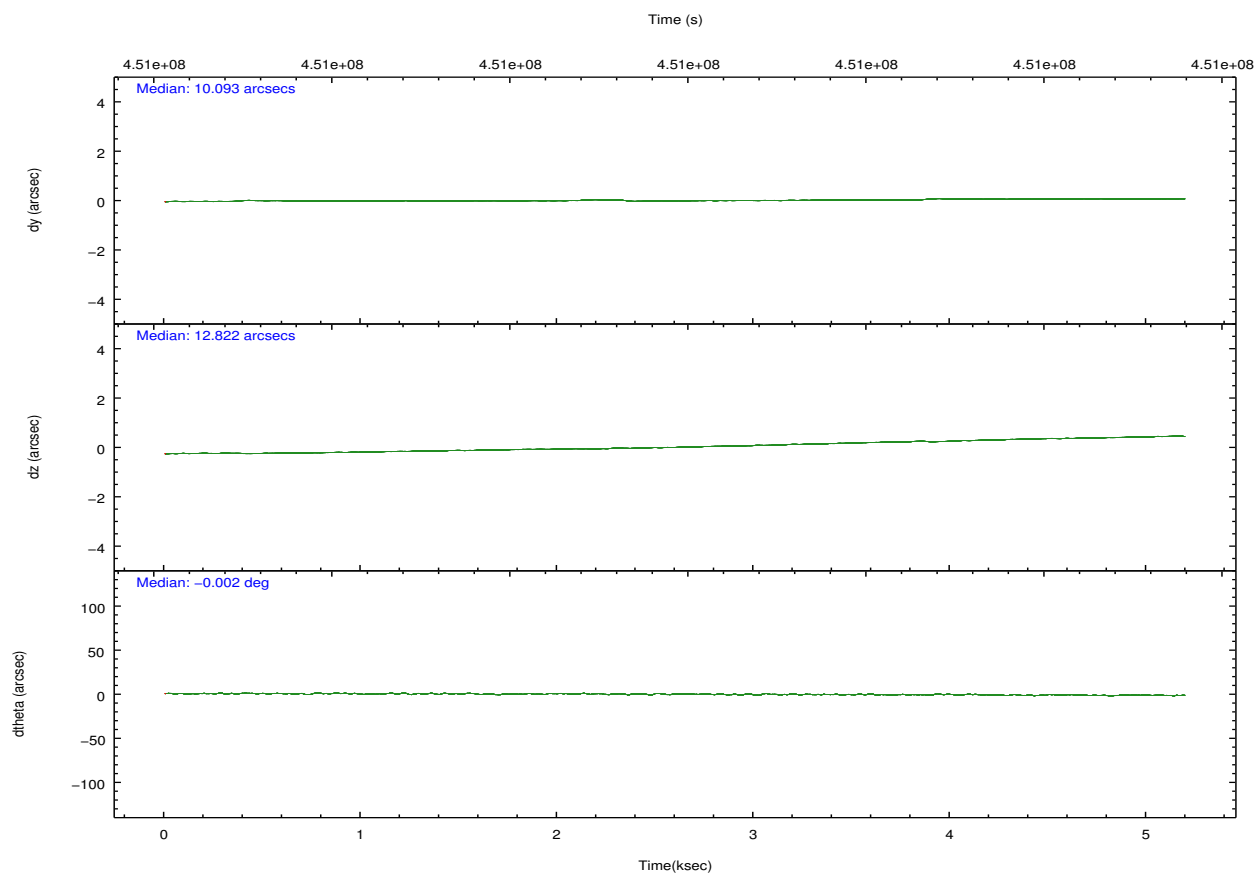
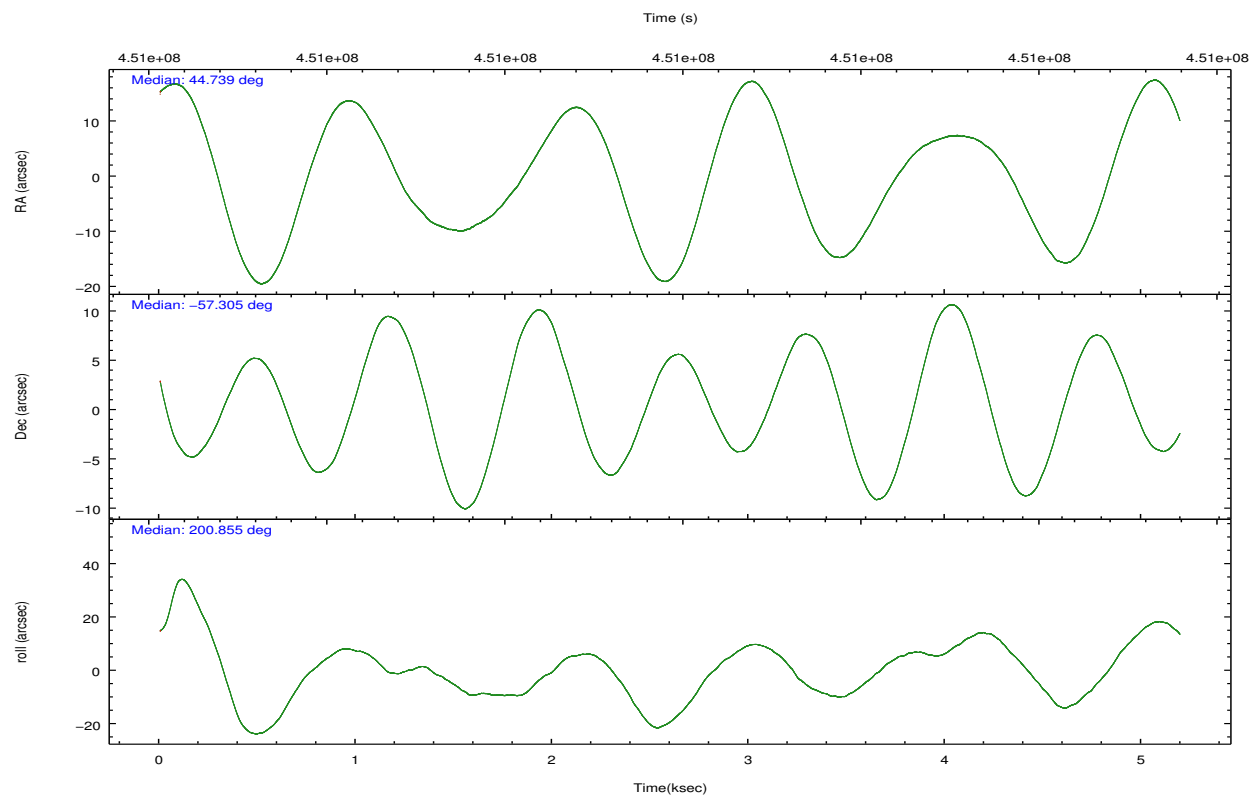
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1240	1401	1186	1261
	4%	4%	3%	4%
grade 1 events	27	16	12	7
	0%	0%	0%	0%
grade 2 events	837	920	817	757
	2%	3%	2%	2%
grade 3 events	415	387	355	354
	1%	1%	1%	1%
grade 4 events	373	403	397	350
	1%	1%	1%	1%
grade 5 events	1375	1517	1307	1514
	4%	5%	4%	5%
grade 6 events	774	823	628	681
	2%	2%	2%	2%
grade 7 events	23374	23116	25642	24528
	82%	80%	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	44.771019	44.73924514043206	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.283585	-57.30504588123051	Alternating exposures requested	N	N
[deg] Pointing Roll	200.683913	200.8658423349219	[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)	450996519.184000	450995442.92221			
Observation start date	2012-04-16T20:47:33	2012-04-16T20:30:42			
[s] Observation end time (MET)	451001521.184000	451001757.43504			
Observation end date	2012-04-16T22:10:55	2012-04-16T22:15:57			
Read mode	TIMED	TIMED			

2.3 Aspect



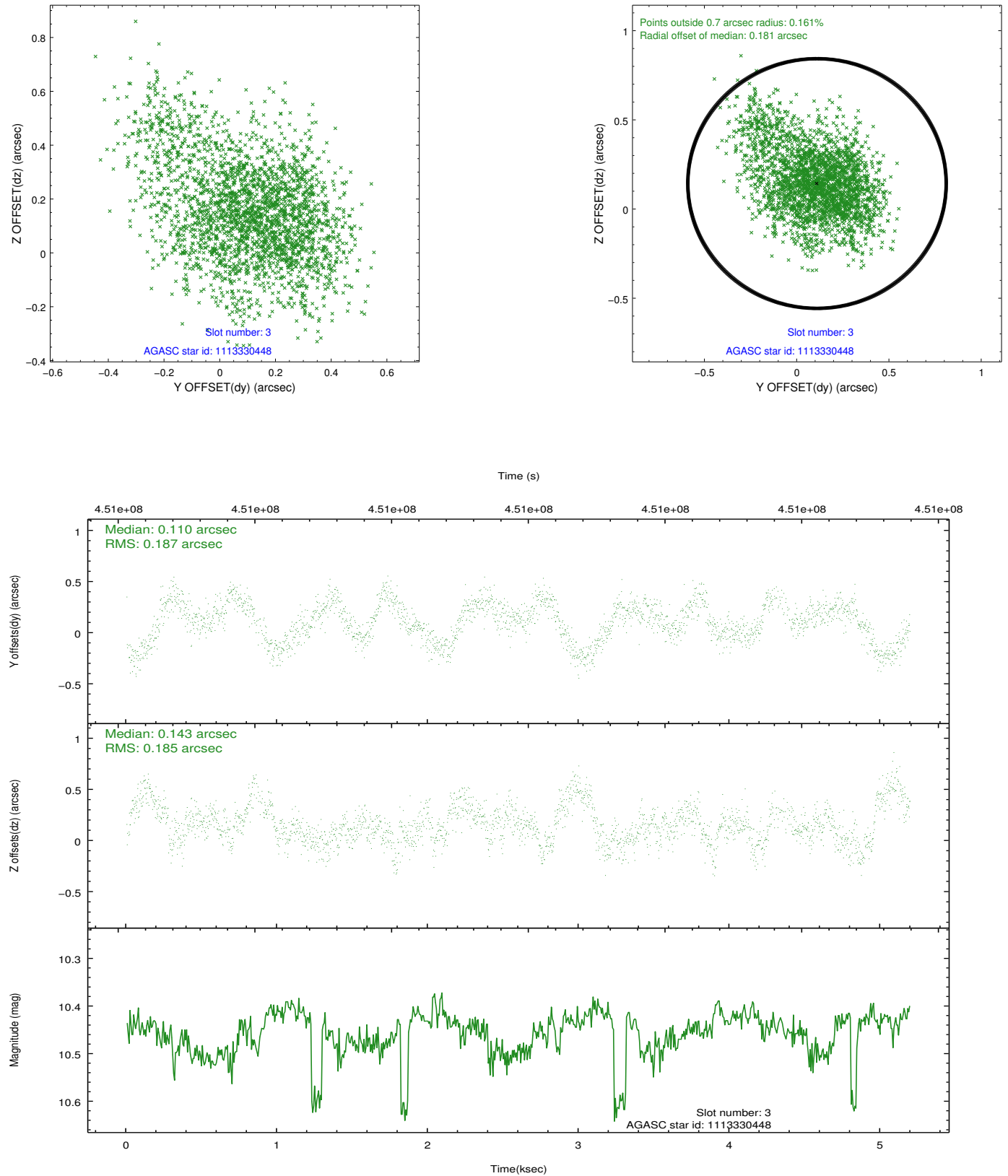


Slot Statistics

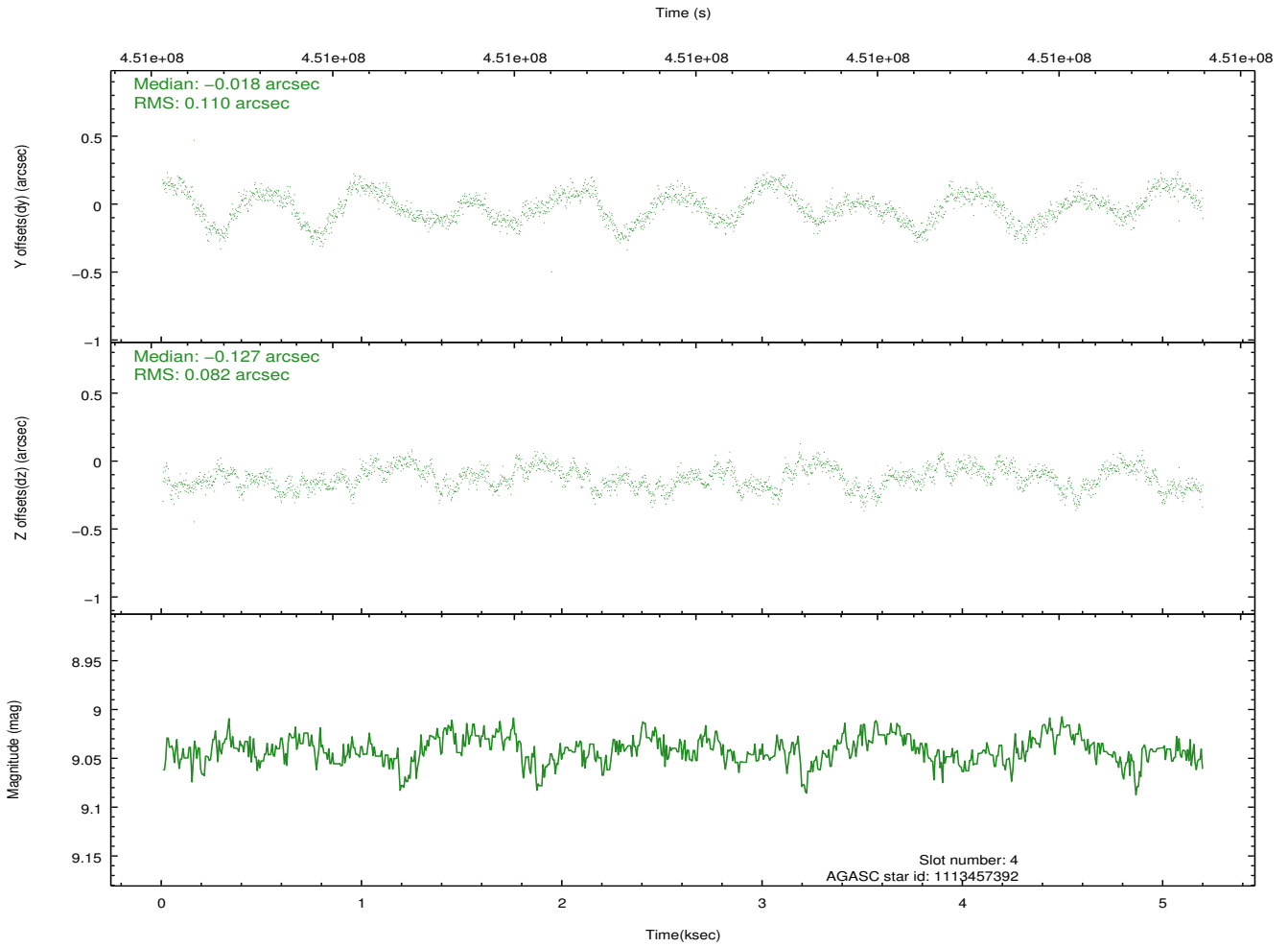
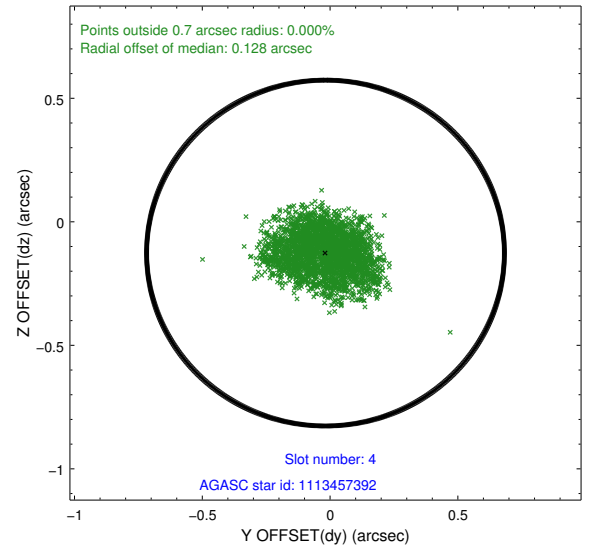
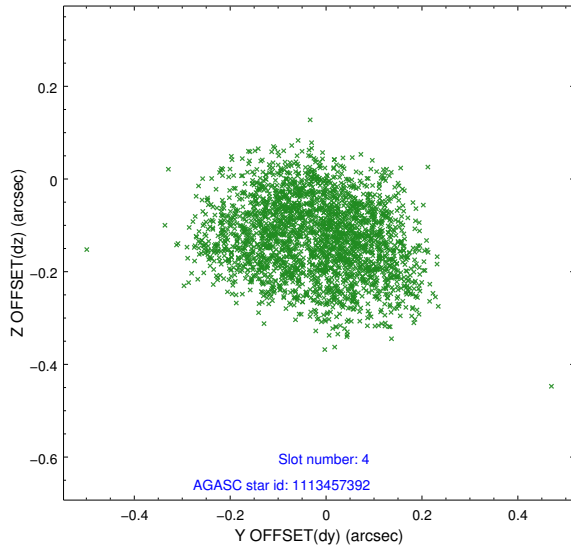
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.18	1267	0.091	-0.028	0.012	0.022	0.000000	0.000000	929.57	-836.45
1	FID	ACIS-I-5	7.16	1267	-0.222	0.095	0.007	0.013	0.000000	0.000000	-1818.19	1060.59
2	FID	ACIS-I-6	7.17	1267	0.040	0.003	0.010	0.016	0.000000	0.000000	393.81	1706.32
3	GUIDE	1113330448	10.45	2481	0.110	0.143	0.276	0.472	44.026320	-56.753115	704.43	-2297.75
4	GUIDE	1113457392	9.04	2531	-0.018	-0.127	0.149	0.227	45.631288	-57.376709	-1438.76	912.25
5	GUIDE	1113457416	9.26	2528	-0.125	0.025	0.140	0.211	45.521670	-57.361996	-1261.30	786.62
6	GUIDE	1113462744	9.66	2532	-0.021	0.192	0.160	0.272	44.836673	-56.800948	-734.50	-1579.28
7	GUIDE	1113720368	10.13	2527	0.062	-0.245	0.179	0.286	44.297113	-57.761027	1459.57	1289.28

2.4 Star Slots

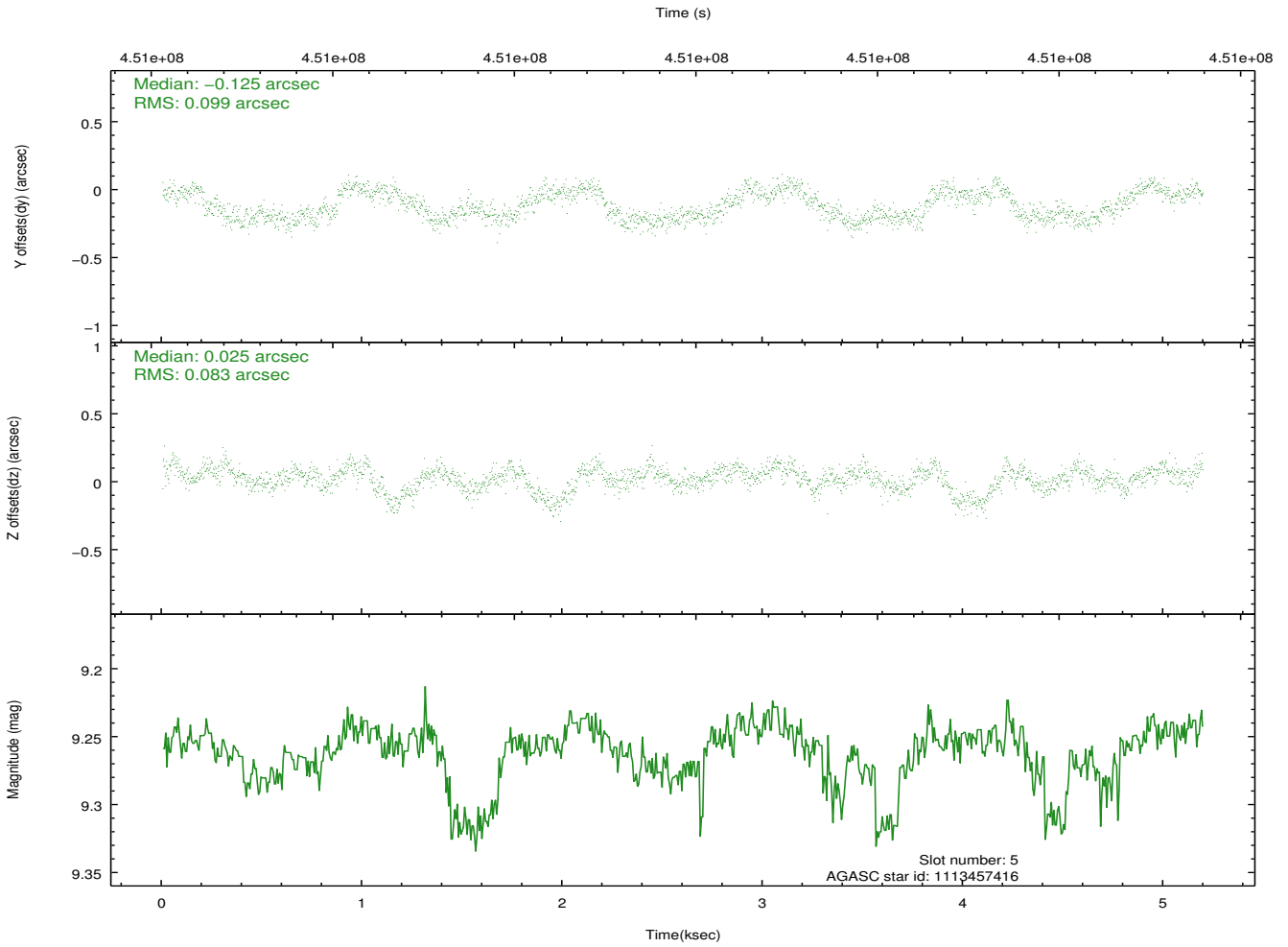
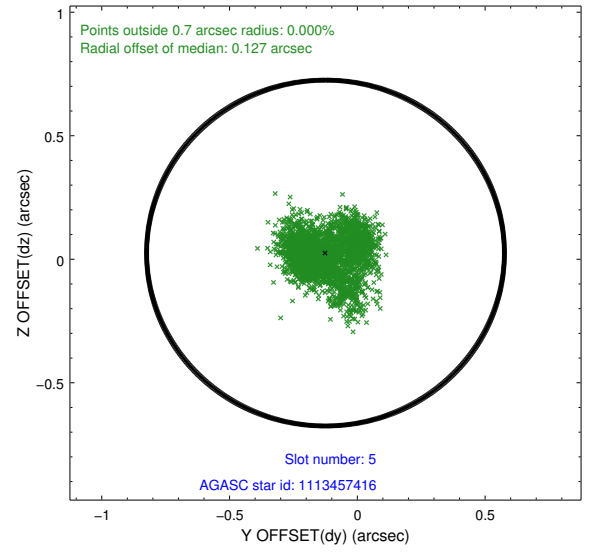
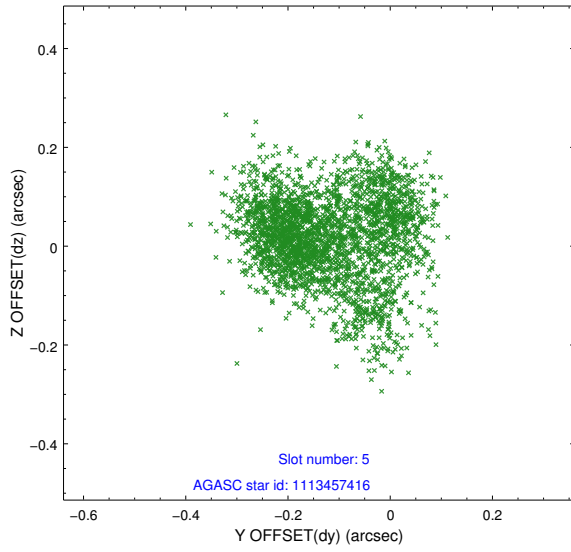
2.4.1 Slot 3



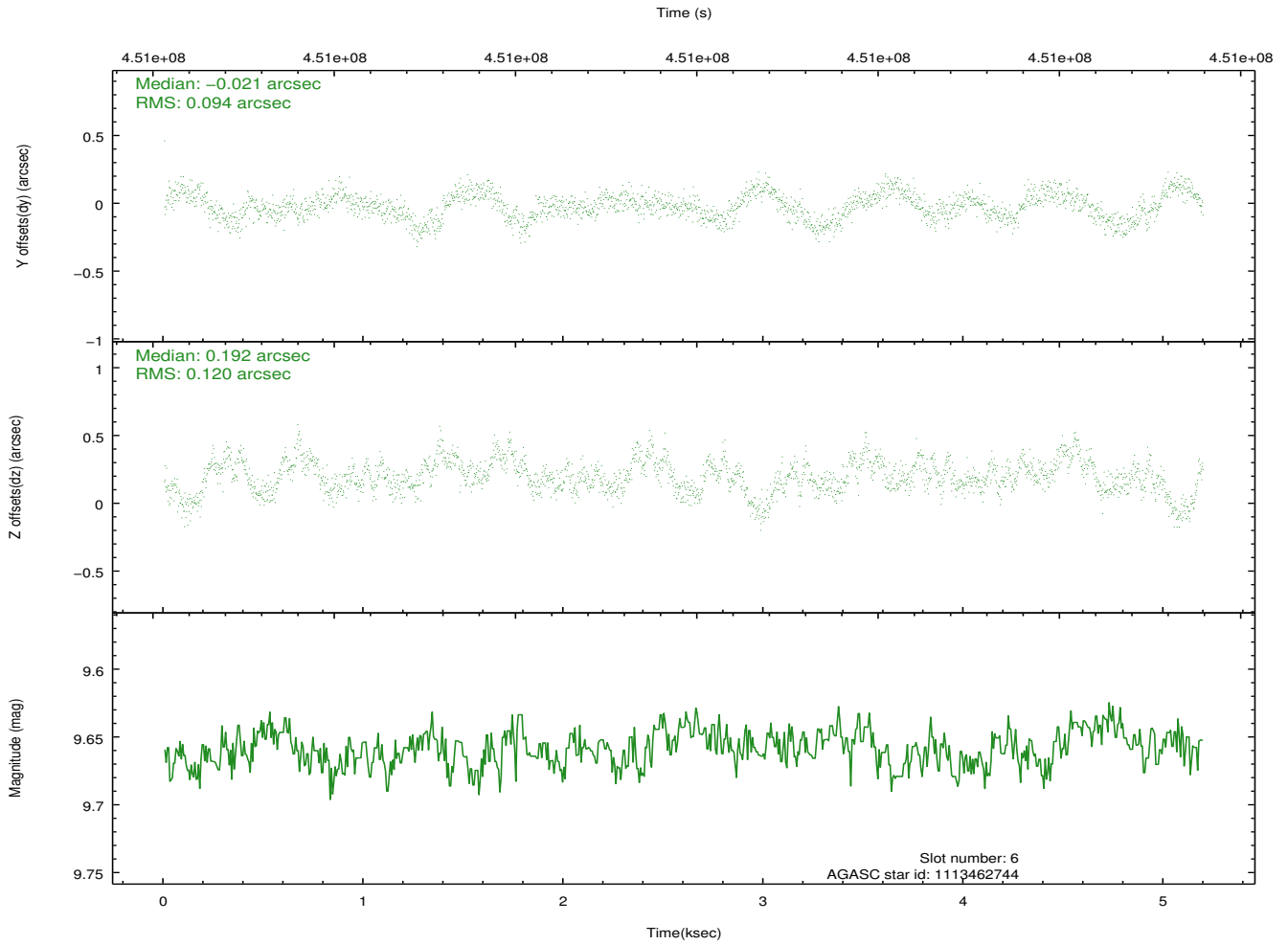
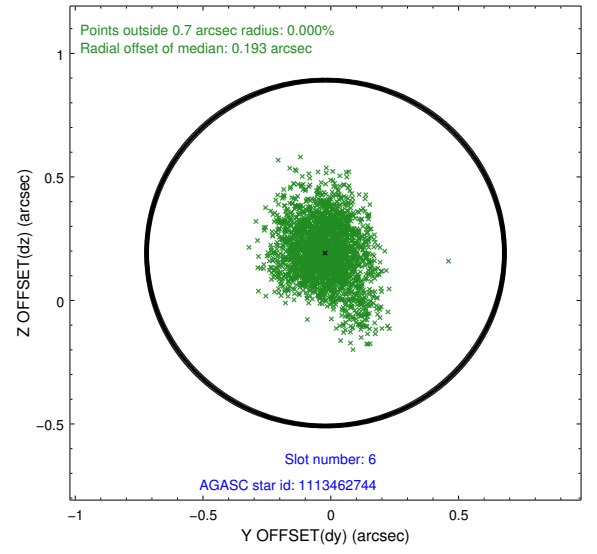
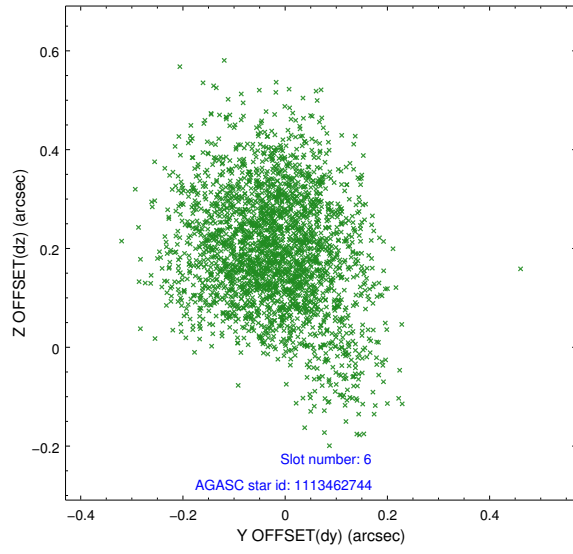
2.4.2 Slot 4



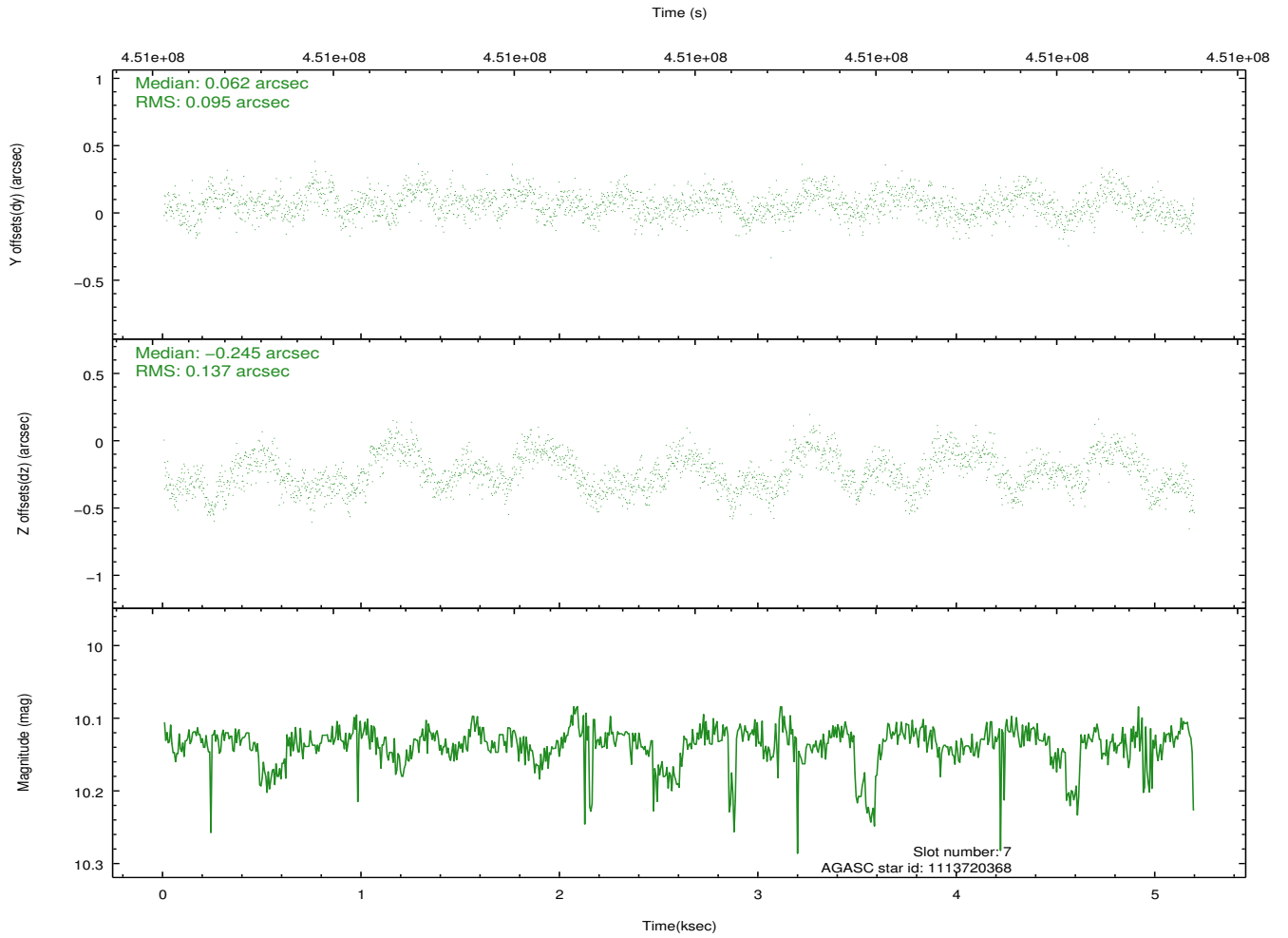
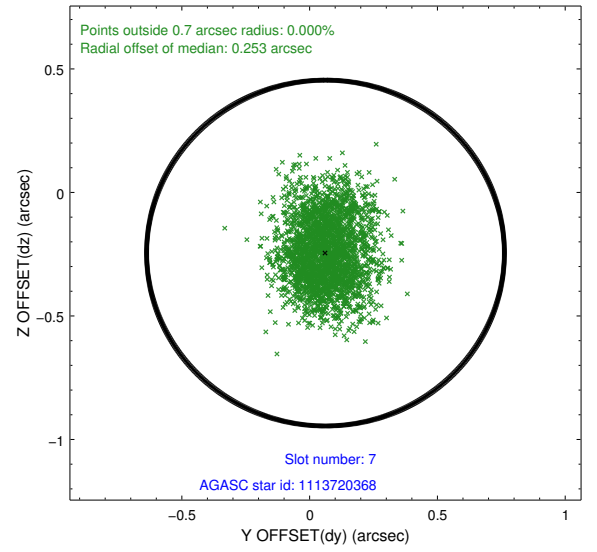
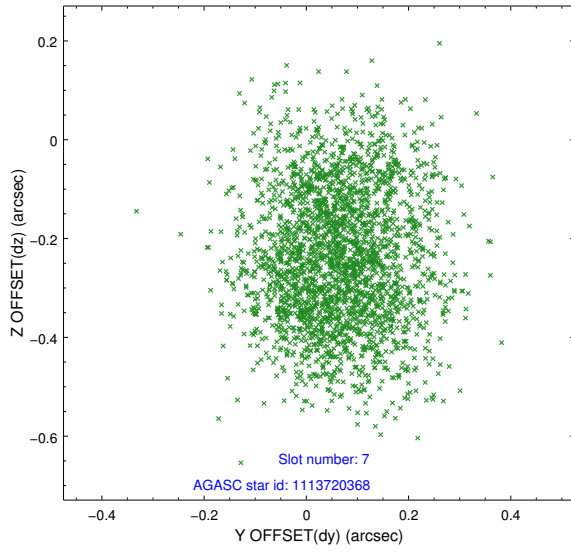
2.4.3 Slot 5



2.4.4 Slot 6

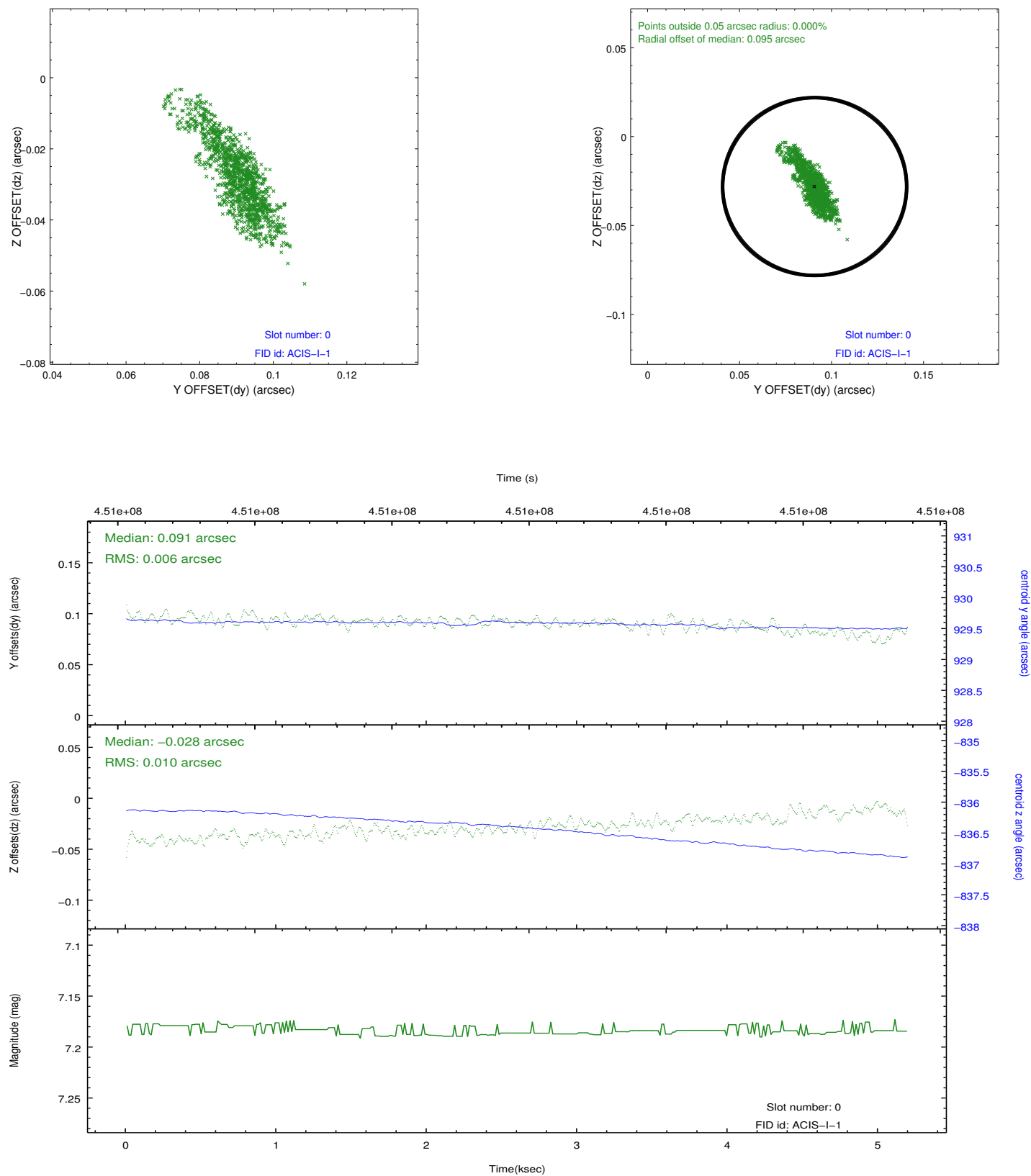


2.4.5 Slot 7

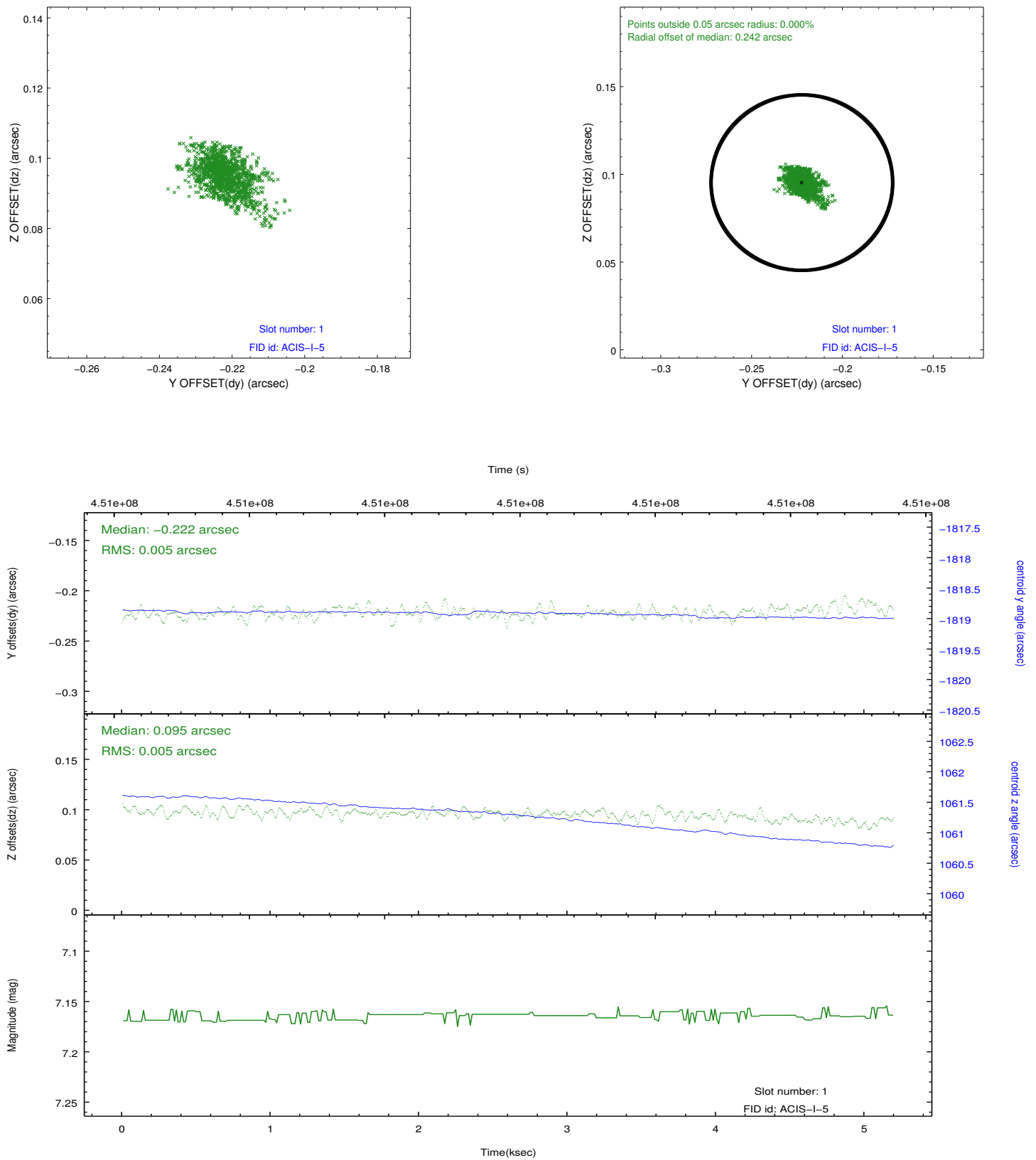


2.5 FID Slots

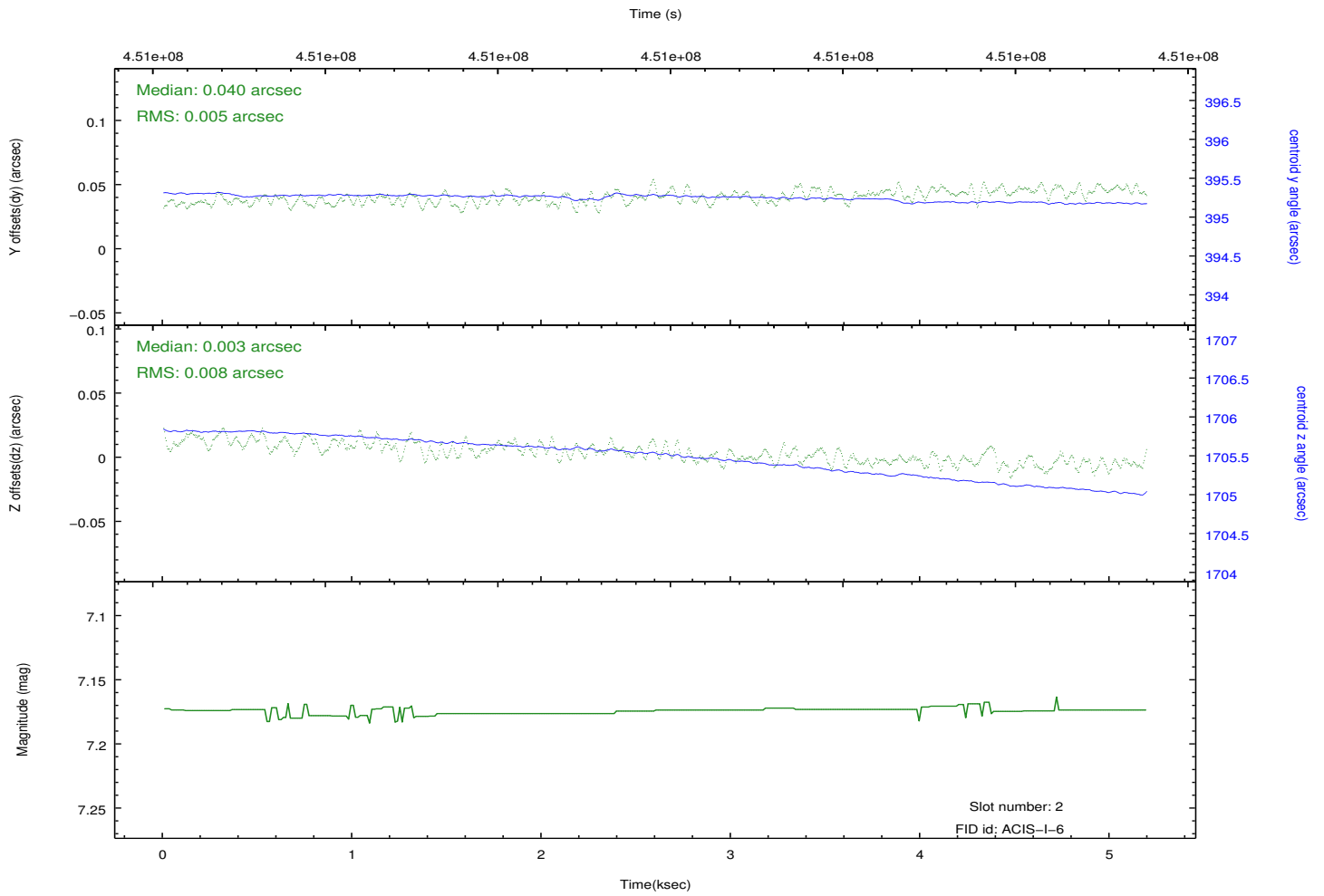
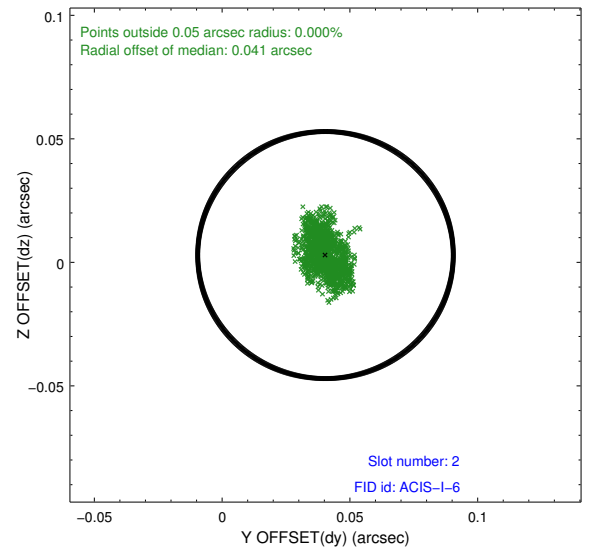
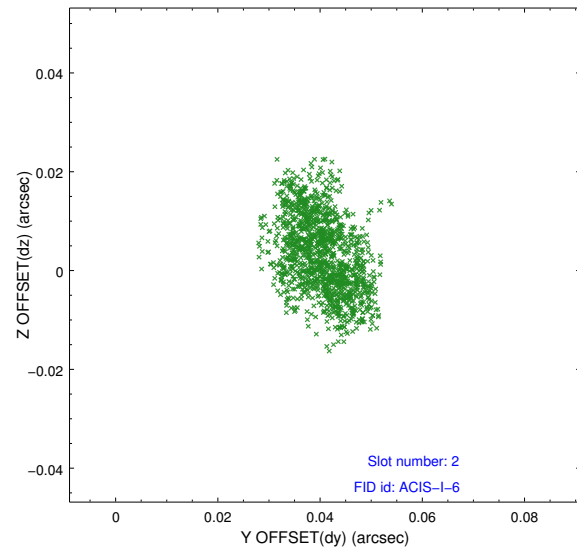
2.5.1 Slot 0



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)	2012.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0871000391245

A.2 Comments