

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8208 - L2 Version 2
Chandra X-Ray Center

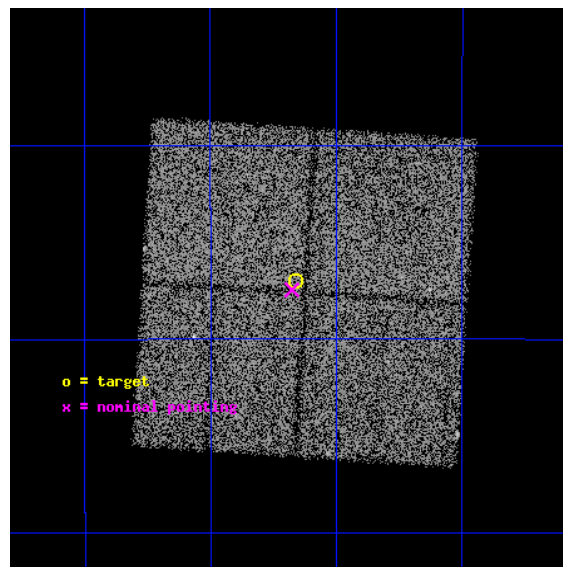
L2 Processing Date : Apr 29 2012

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1 Front

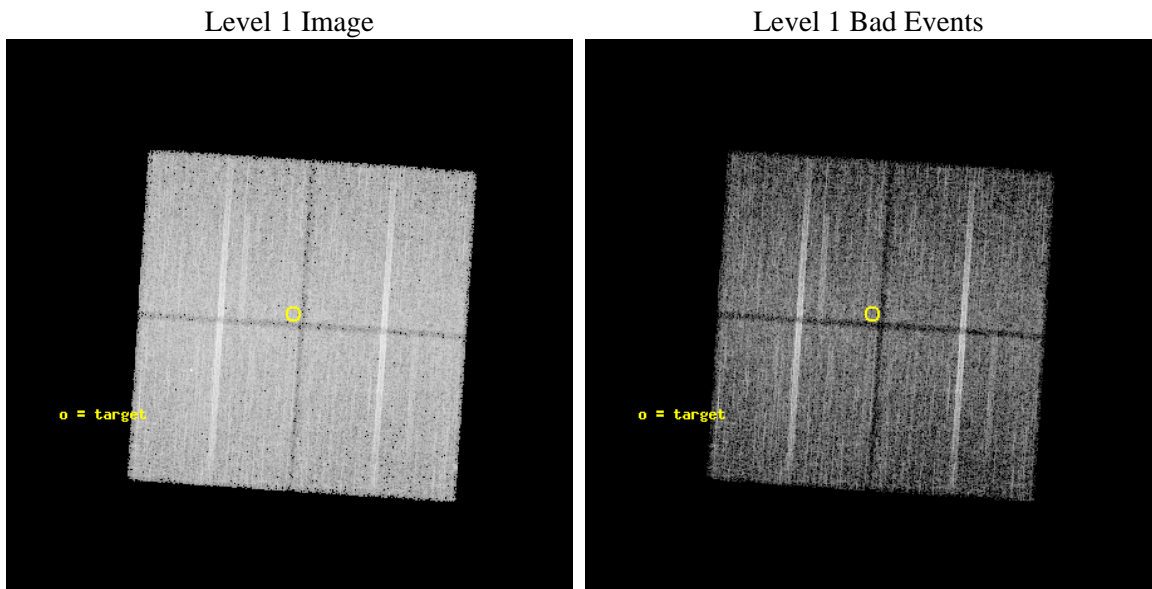
seq_num	600644	Sequence number
obs_id	8208	Observation id
title	Galactic Bulge Latitude Survey-2	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	GBW28	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.790833	Observer's specified target RA [deg]
dec_targ	-28.616694	Observer's specified target Dec [deg]
ra_nom	265.79418095844	Nominal RA [deg]
dec_nom	-28.62422189597	Nominal Dec [deg]
roll_nom	273.81029454833	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14694.00011301	Sum of GTIs [s]
livetime	14502.012183968	Livetime [s]
ontime0	14690.859122813	Sum of GTIs [s]
ontime1	14690.859142721	Sum of GTIs [s]
ontime2	14690.859142661	Sum of GTIs [s]
ontime3	14694.00011301	Sum of GTIs [s]
l2events	66910	Number of level 2 events



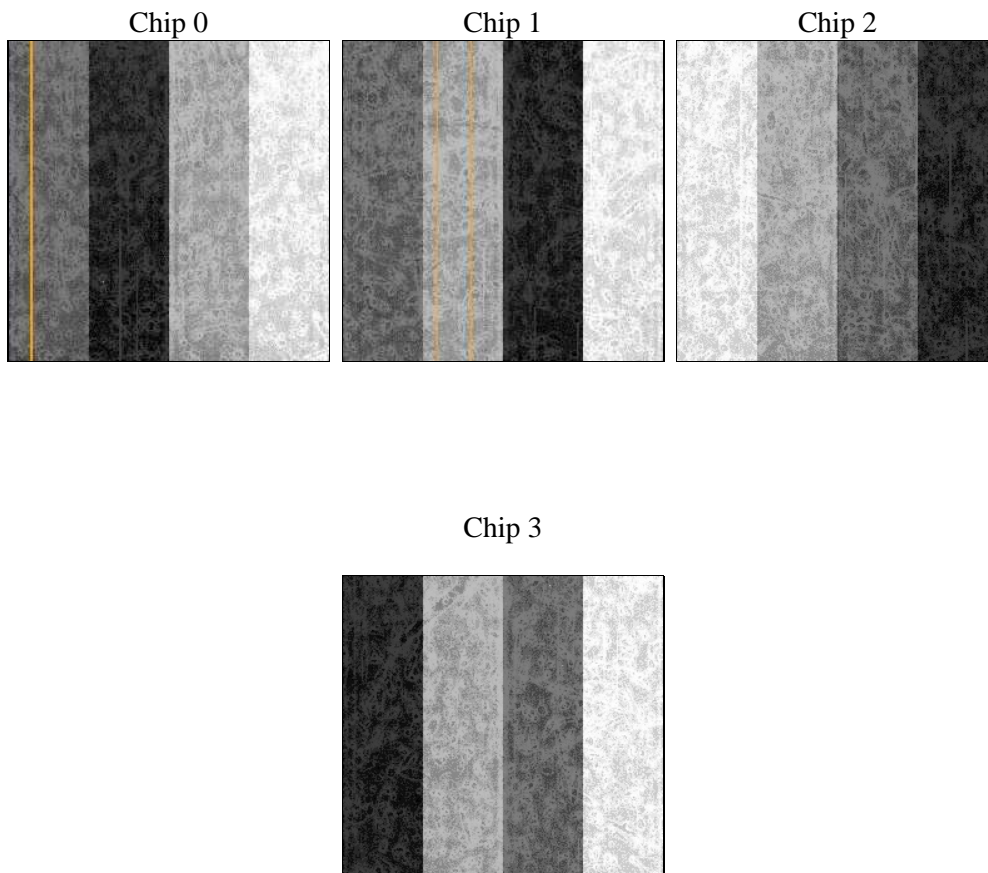
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14694.00011301	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	14690.859122813	Sum of GTIs [s]
date	2012-04-29T02:13:34	Date and time of file creation	ontime1	14690.859142721	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	14690.859142661	Sum of GTIs [s]
			ontime3	14694.00011301	Sum of GTIs [s]
			l1events	545484	Number of level 1 events

2.1.4 Events

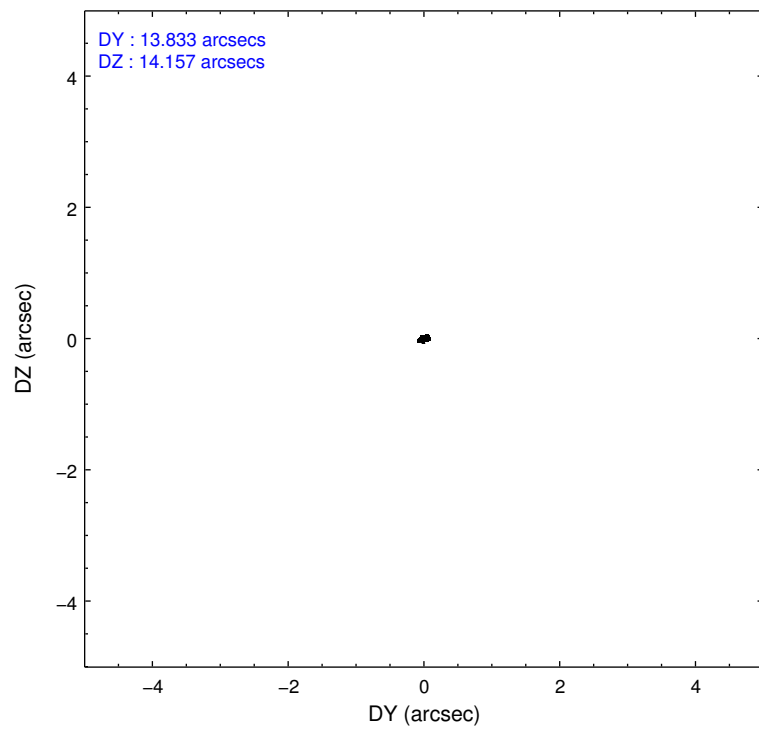
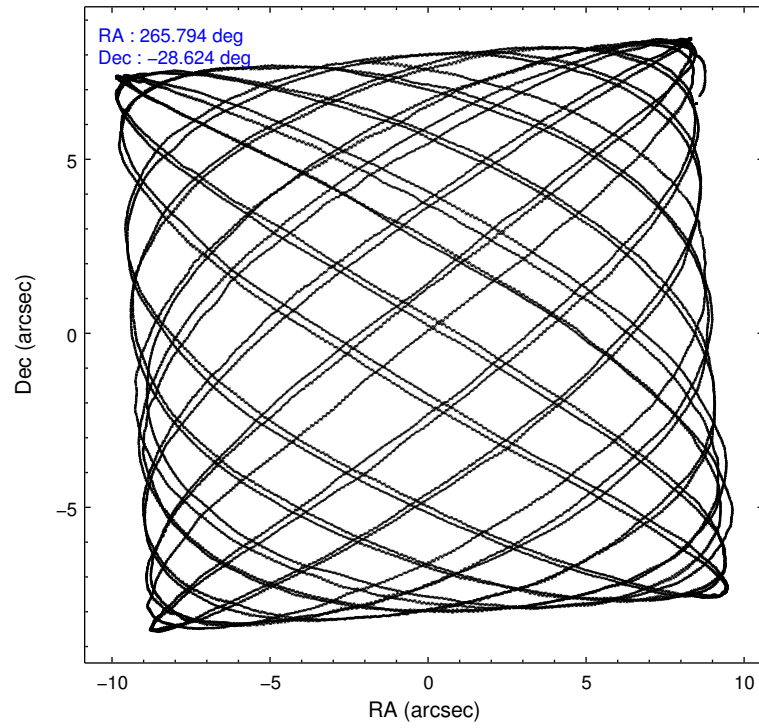
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	128482	128645	147713	140644
rejected events	109878	108873	128404	121200
rejected %	85%	84%	86%	86%

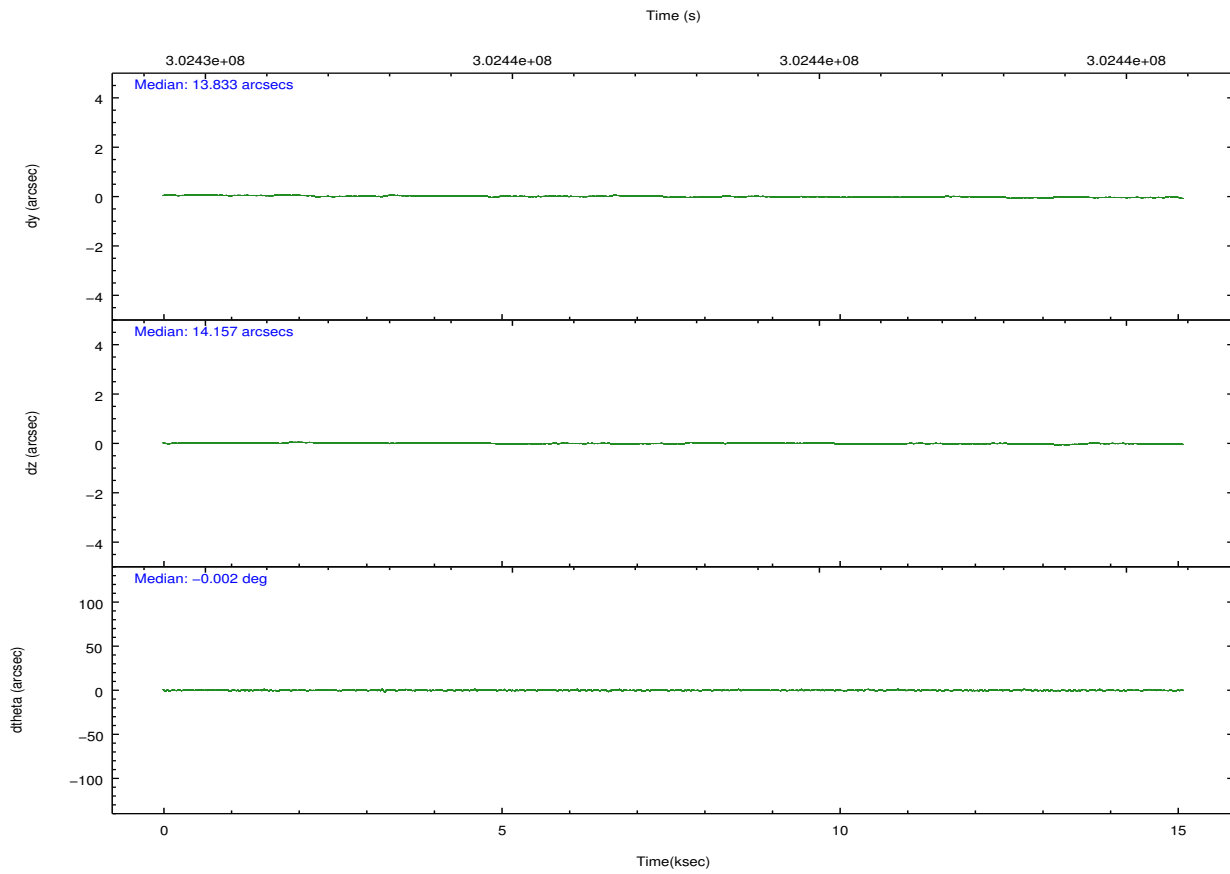
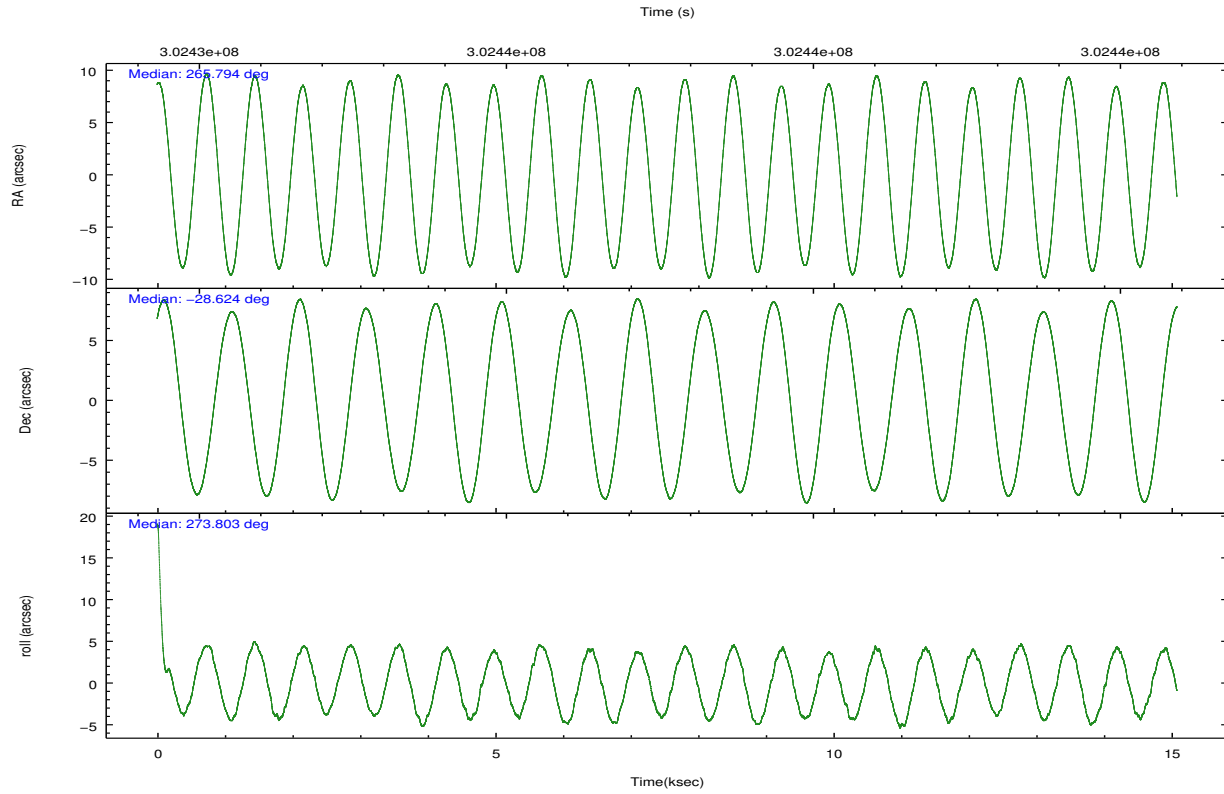
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	8447	8190	9402	9263
	6%	6%	6%	6%
grade 1 events	104	80	107	99
	0%	0%	0%	0%
grade 2 events	3903	4421	3854	3678
	3%	3%	2%	2%
grade 3 events	1654	1784	1695	1752
	1%	1%	1%	1%
grade 4 events	1664	1742	1549	1631
	1%	1%	1%	1%
grade 5 events	5640	6093	5385	6477
	4%	4%	3%	4%
grade 6 events	2940	3639	2816	3127
	2%	2%	1%	2%
grade 7 events	104130	102696	122905	114617
	81%	79%	83%	81%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	265.776624	265.794180958439	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.601443	-28.62422189597001	Alternating exposures requested	N	N
[deg] Pointing Roll	273.593200	273.8102945483287	[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)	302430250.184000	302429874.44624			
Observation start date	2007-08-02T08:23:05	2007-08-02T08:17:54			
[s] Observation end time (MET)	302445150.184000	302445284.29698			
Observation end date	2007-08-02T12:31:25	2007-08-02T12:34:44			
Read mode	TIMED	TIMED			

2.3 Aspect



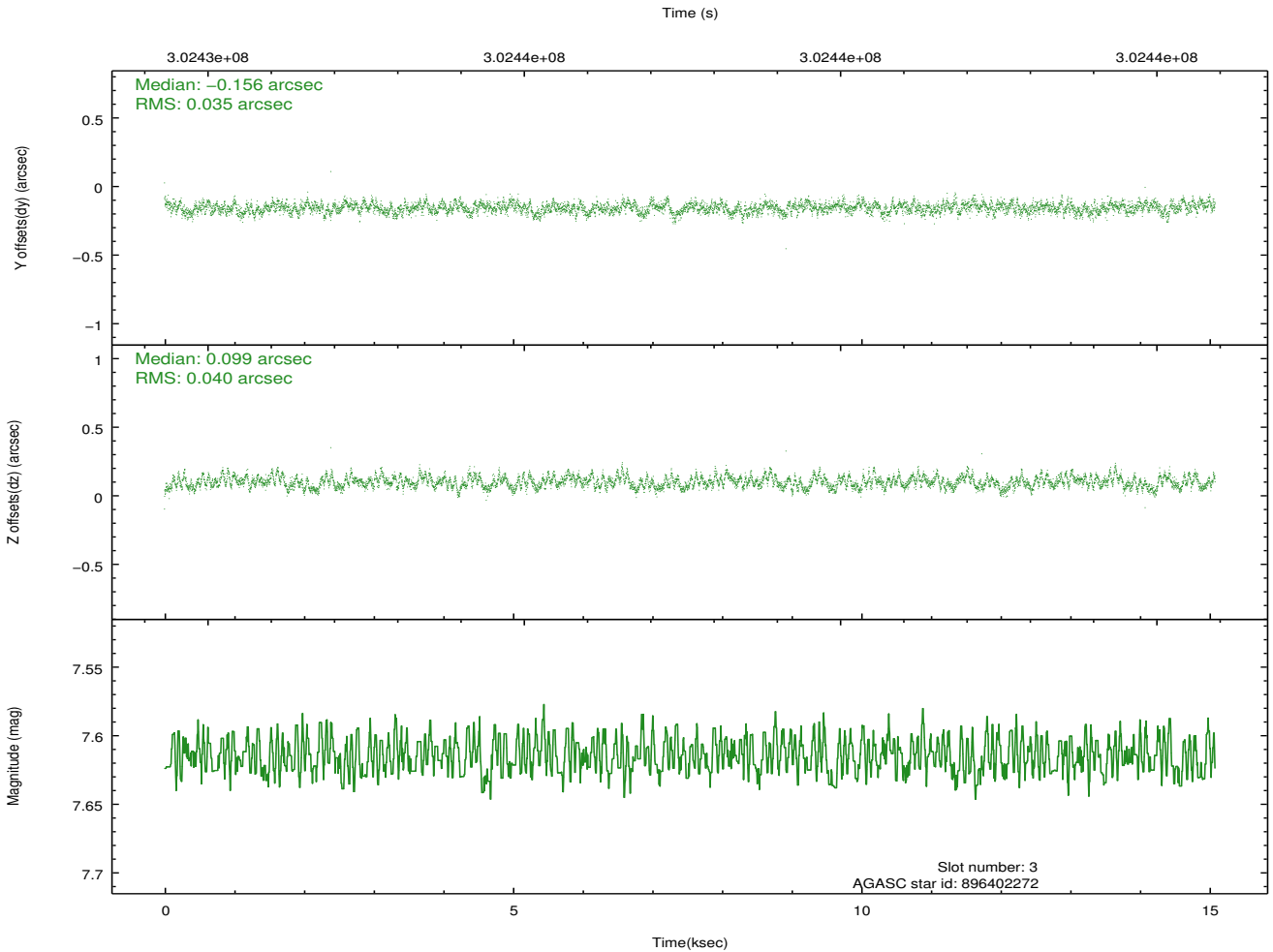
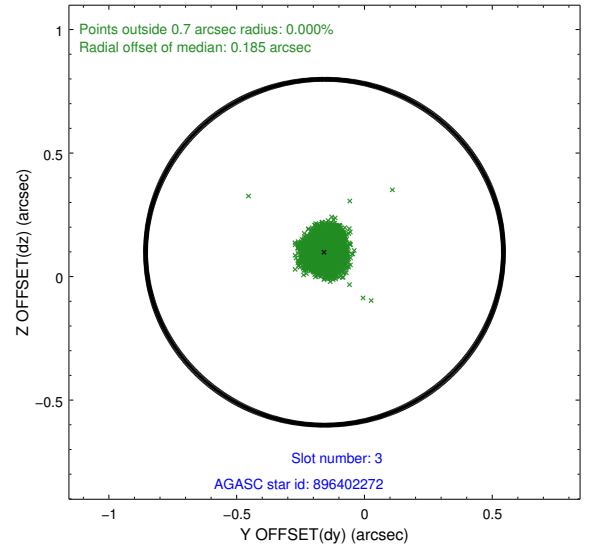
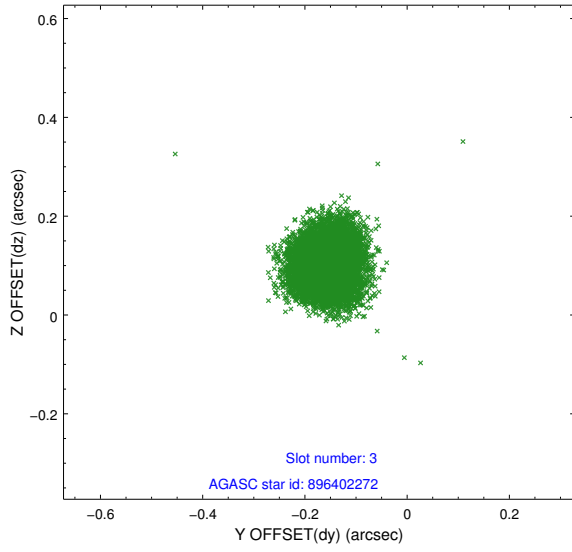


Slot Statistics

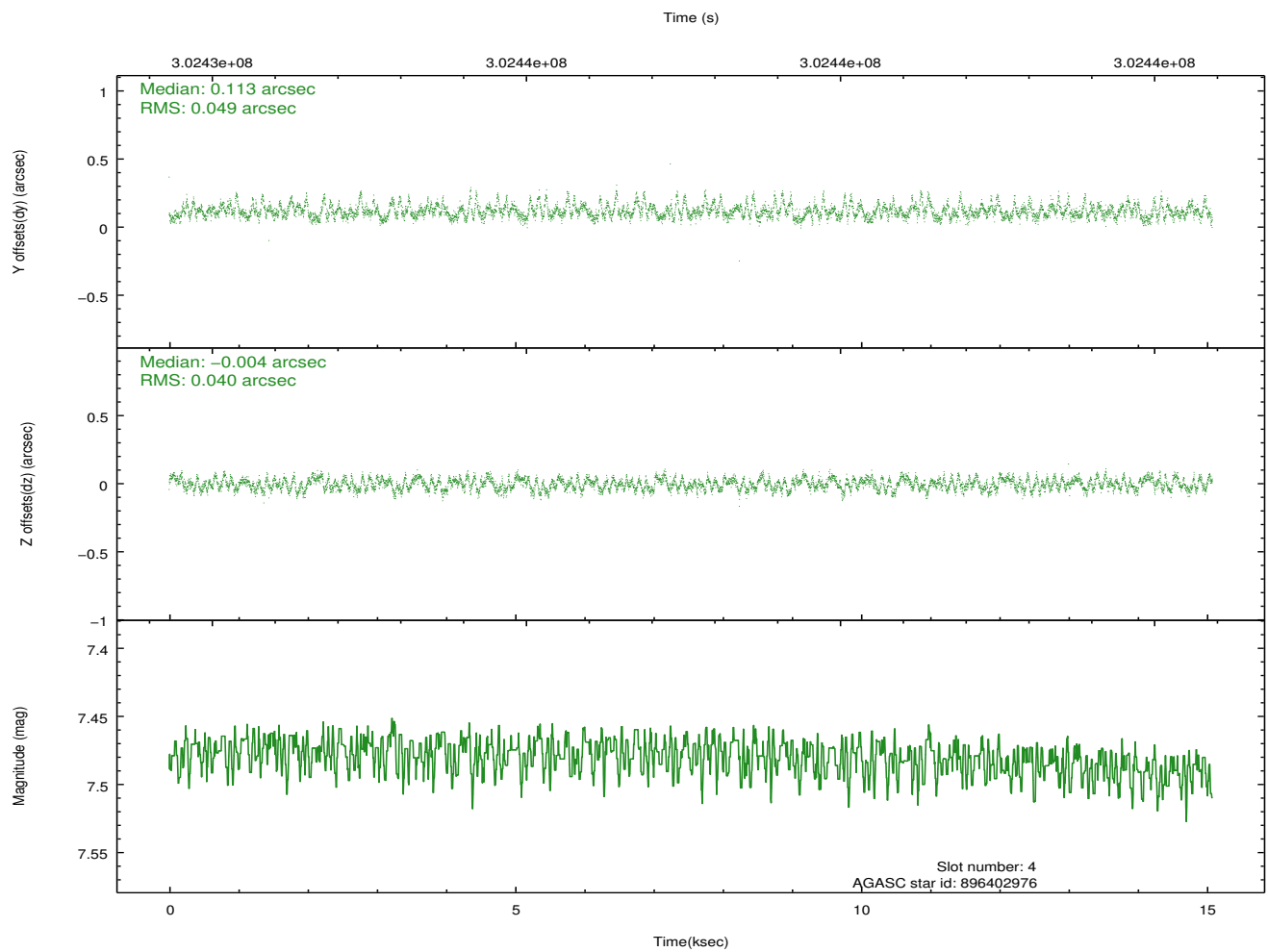
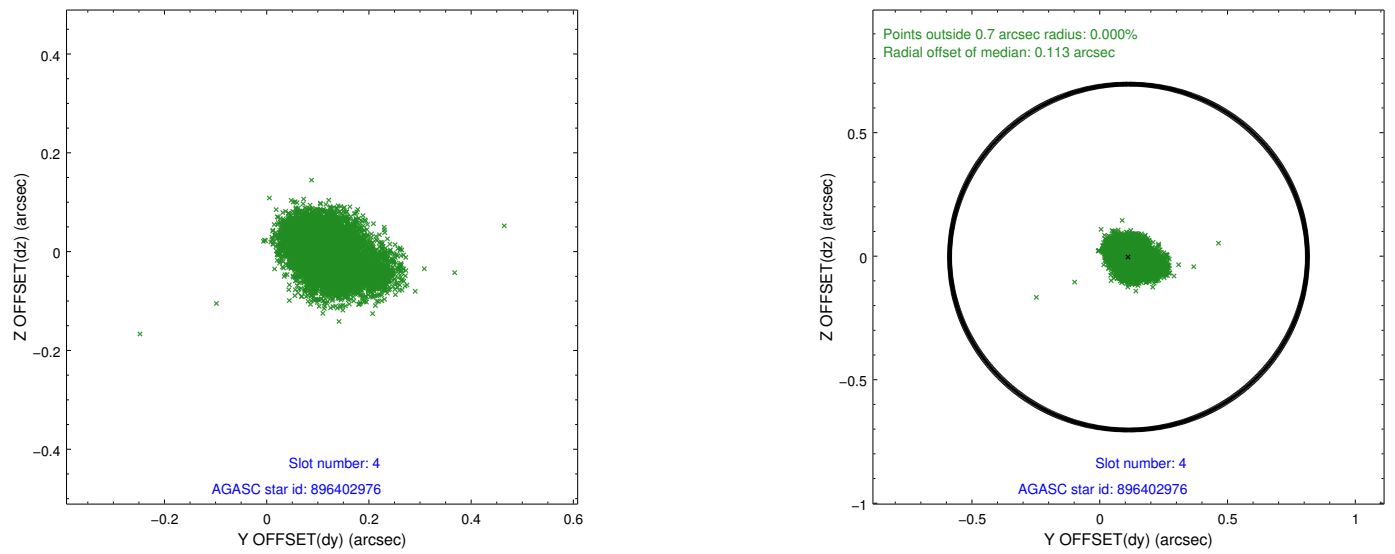
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	3679	0.037	0.003	0.006	0.011	0.000000	0.000000	925.70	-837.72
1	FID	ACIS-I-5	7.22	3679	-0.232	0.038	0.006	0.010	0.000000	0.000000	-1822.53	1059.63
2	FID	ACIS-I-6	7.24	3679	0.103	0.029	0.007	0.011	0.000000	0.000000	390.96	1704.48
3	GUIDE	896402272	7.62	7356	-0.156	0.099	0.056	0.090	265.637294	-28.313189	-1062.87	-375.76
4	GUIDE	896402976	7.48	7356	0.113	-0.004	0.065	0.111	265.099474	-28.923203	1029.02	-2202.41
5	GUIDE	896534664	8.20	7355	0.275	-0.049	0.069	0.108	266.405570	-28.407461	-566.48	2030.65
6	GUIDE	896538696	6.79	7357	-0.268	-0.042	0.046	0.072	266.298470	-28.325572	-884.21	1712.58
7	GUIDE	896538920	8.90	7352	0.035	-0.005	0.074	0.121	266.278728	-29.143592	2050.26	1453.66

2.4 Star Slots

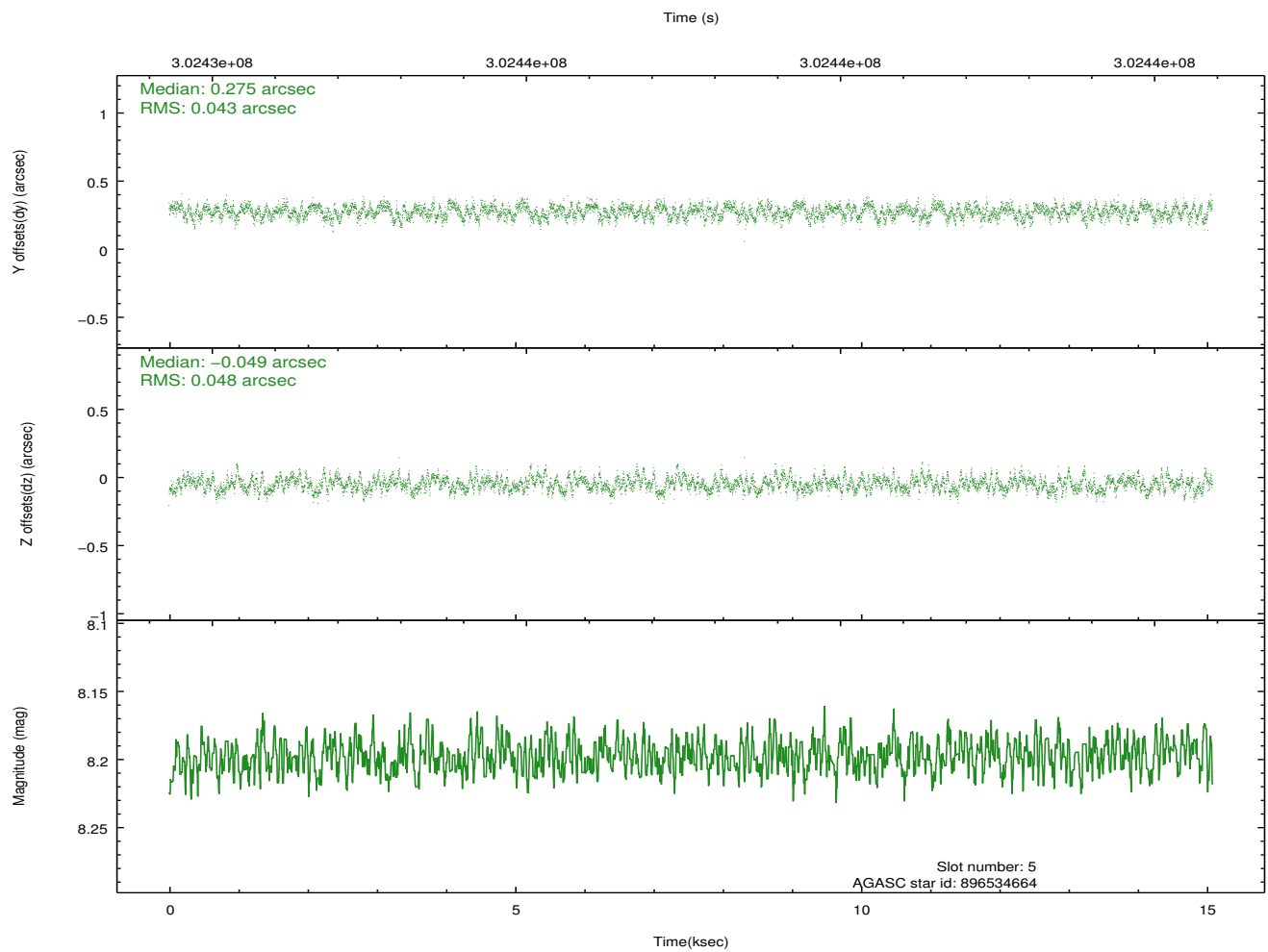
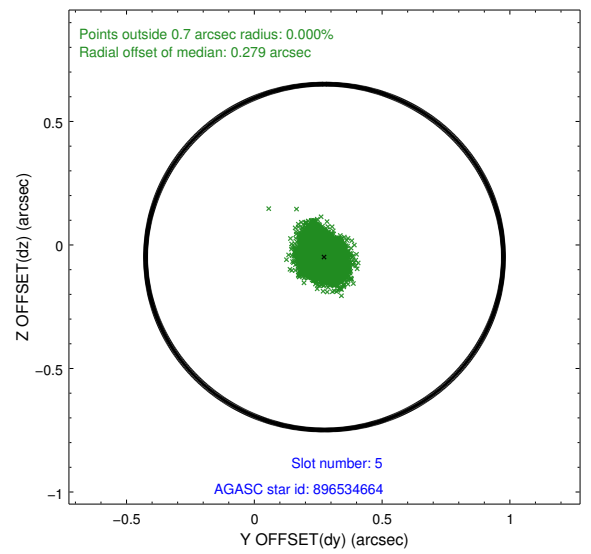
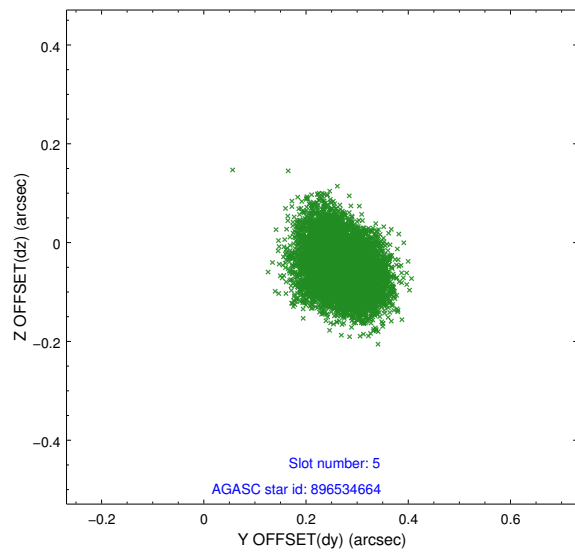
2.4.1 Slot 3



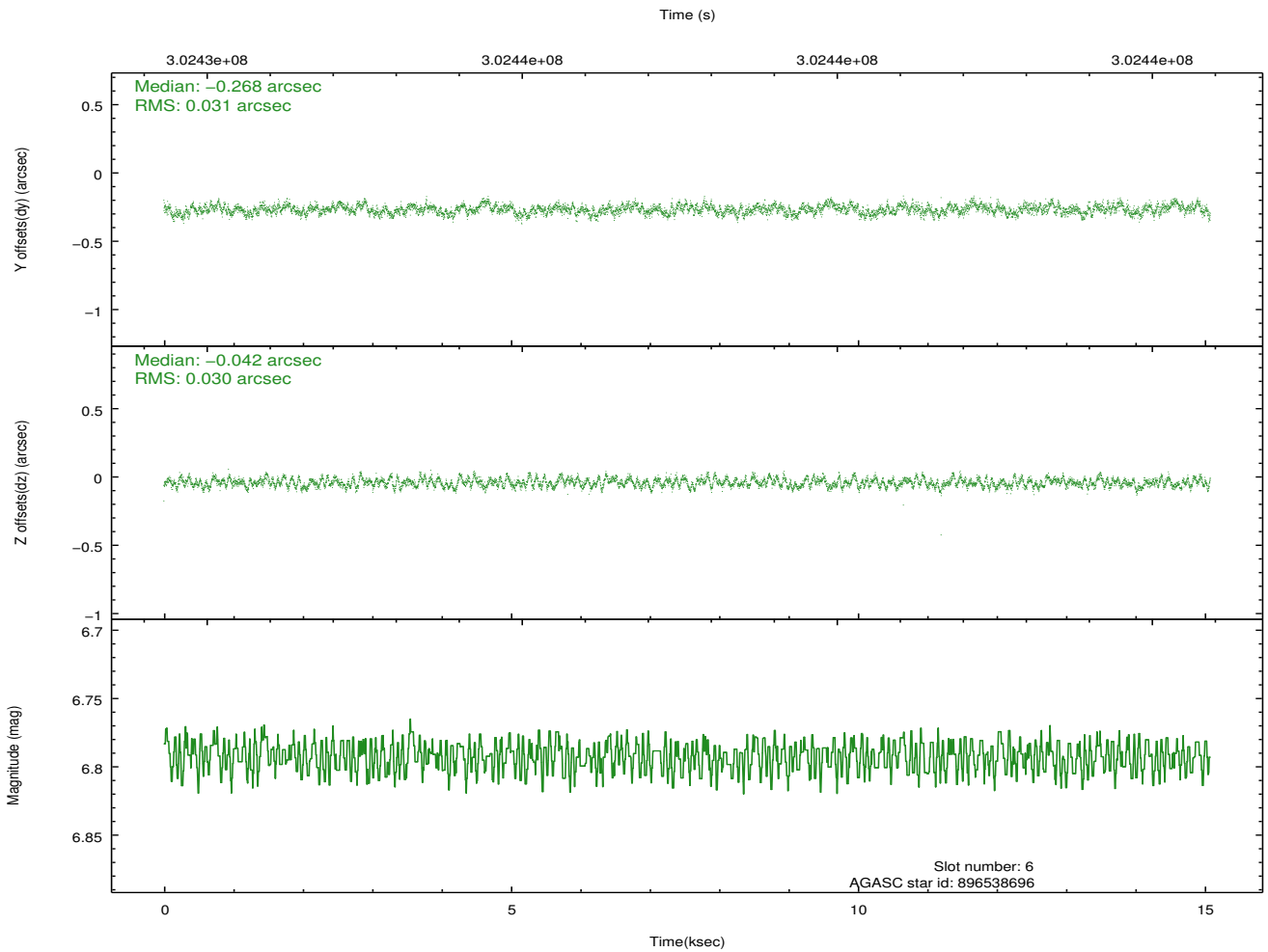
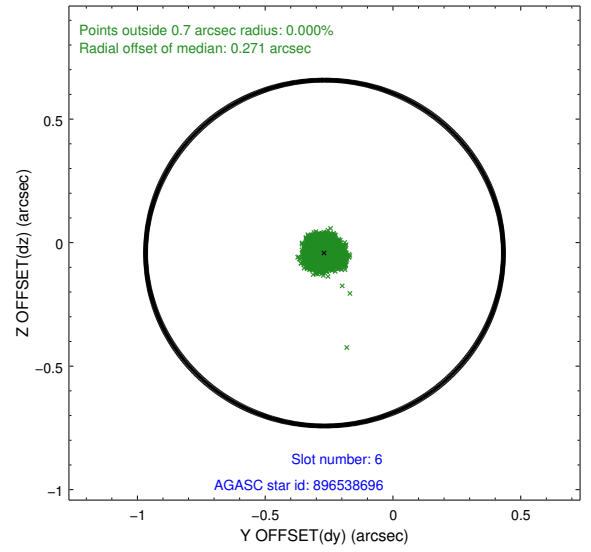
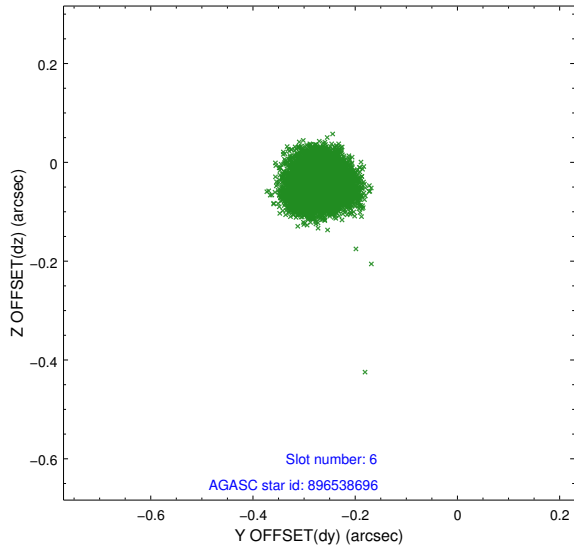
2.4.2 Slot 4



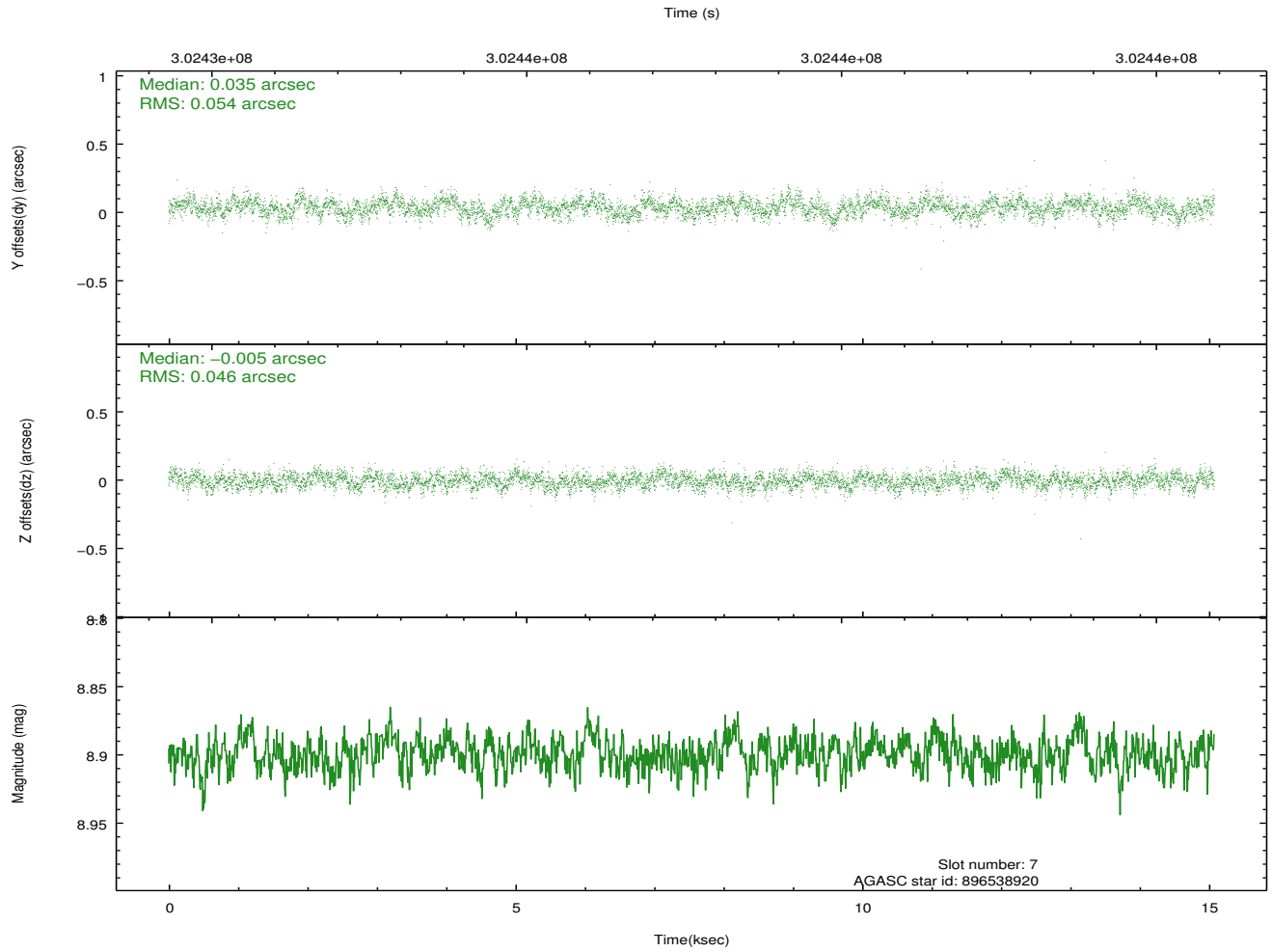
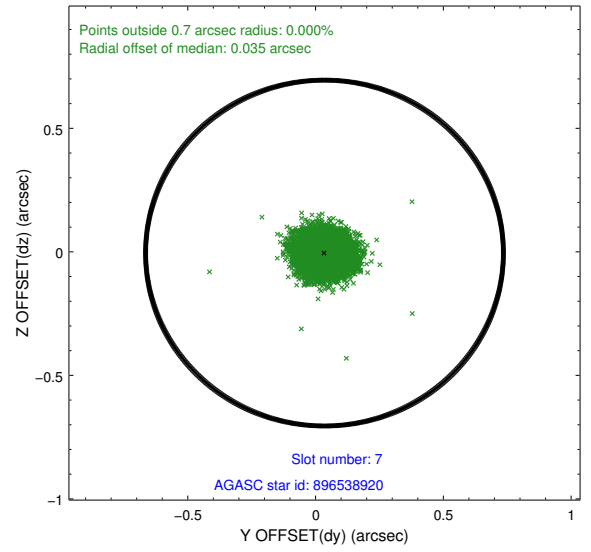
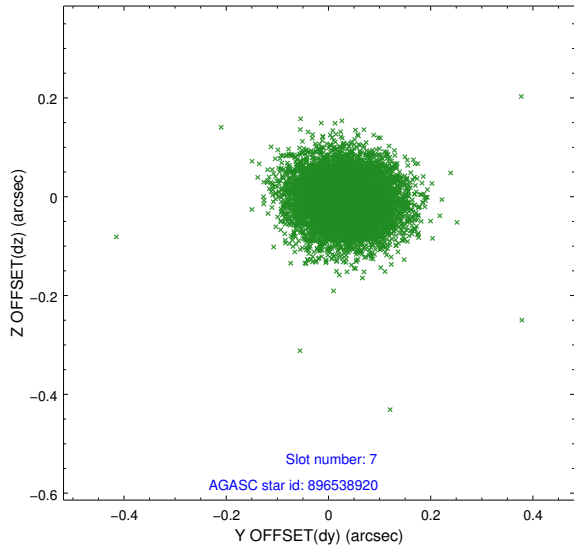
2.4.3 Slot 5



2.4.4 Slot 6

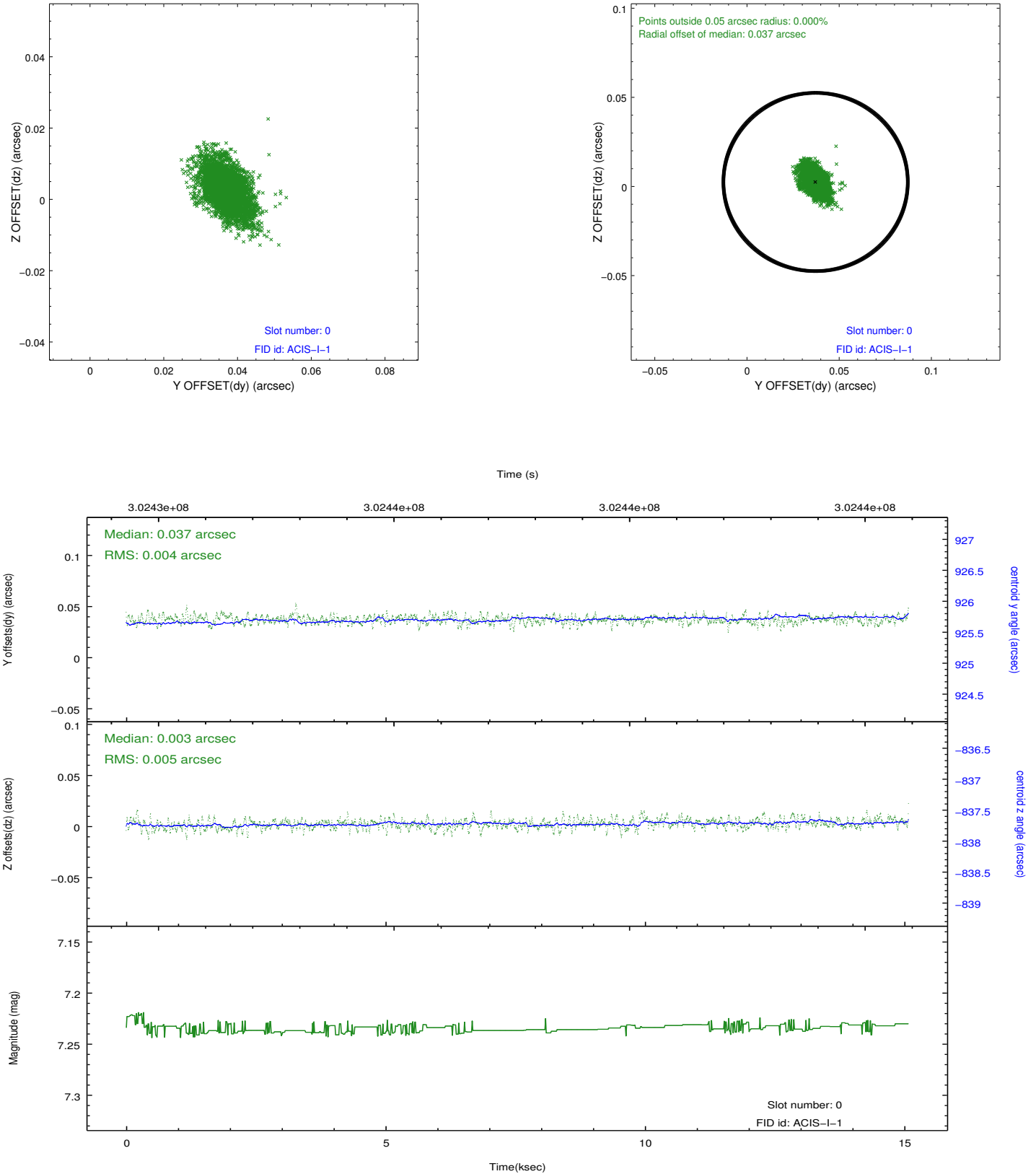


2.4.5 Slot 7

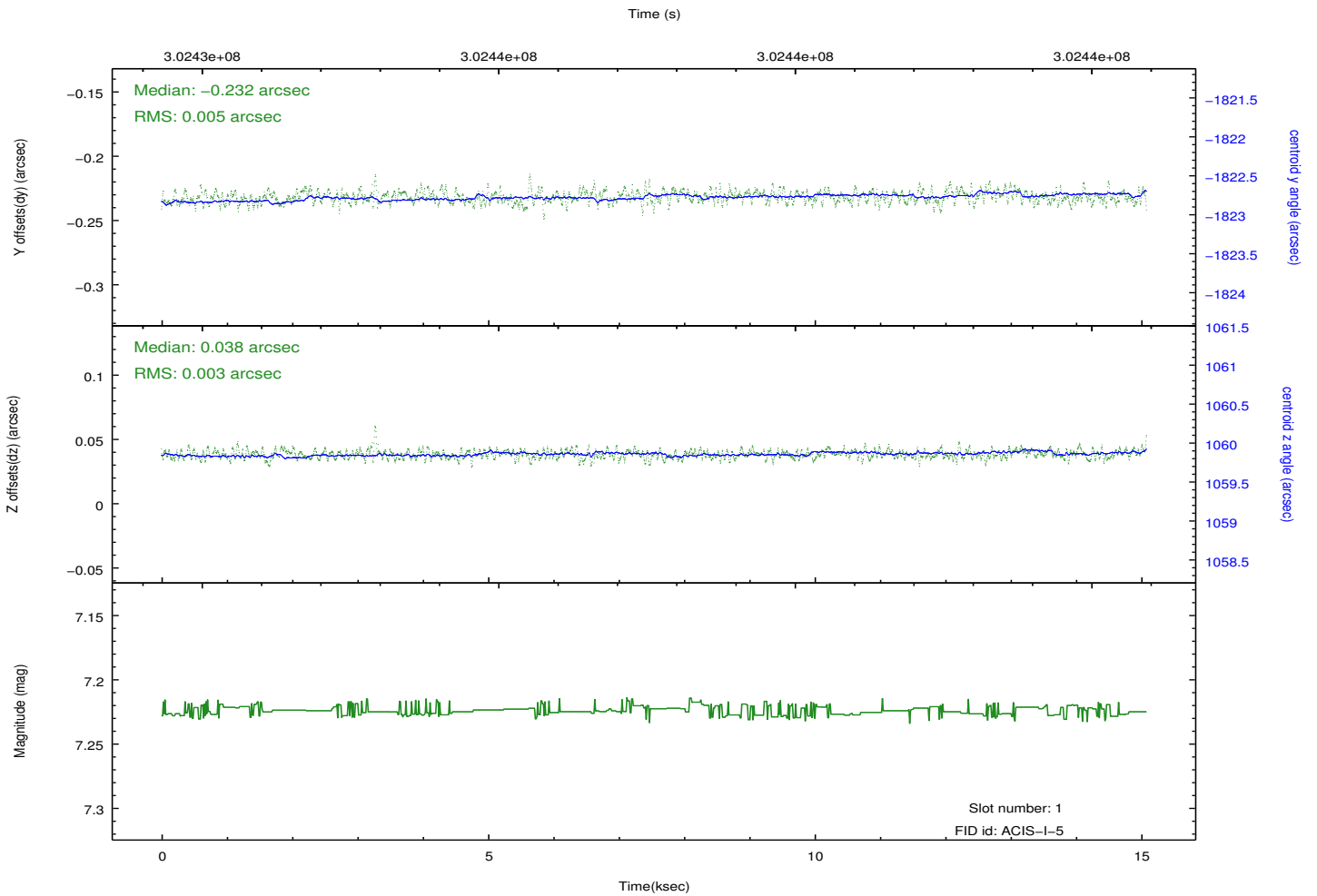
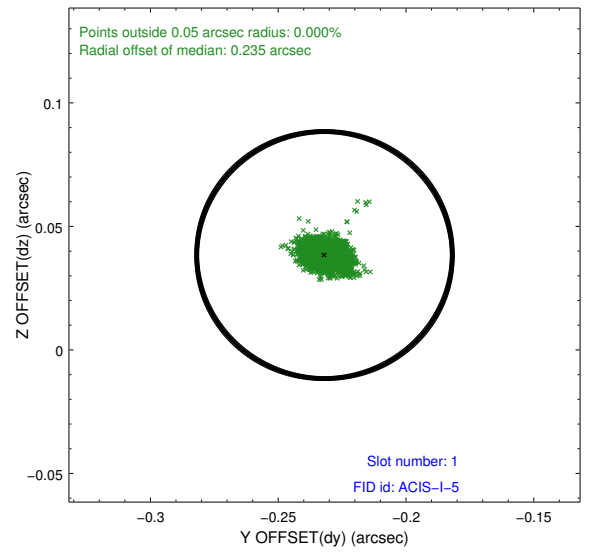
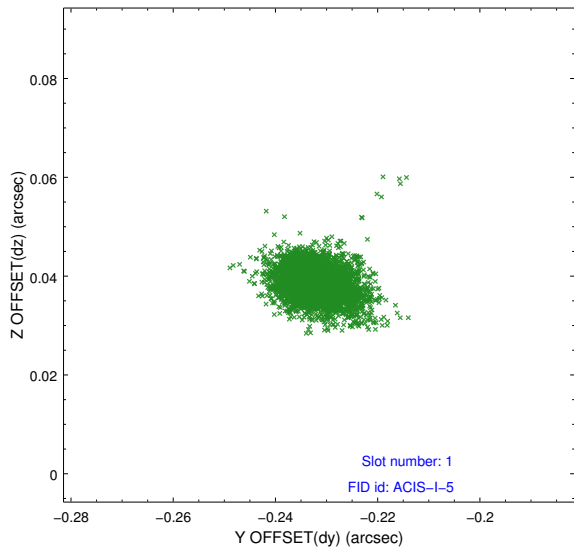


2.5 FID Slots

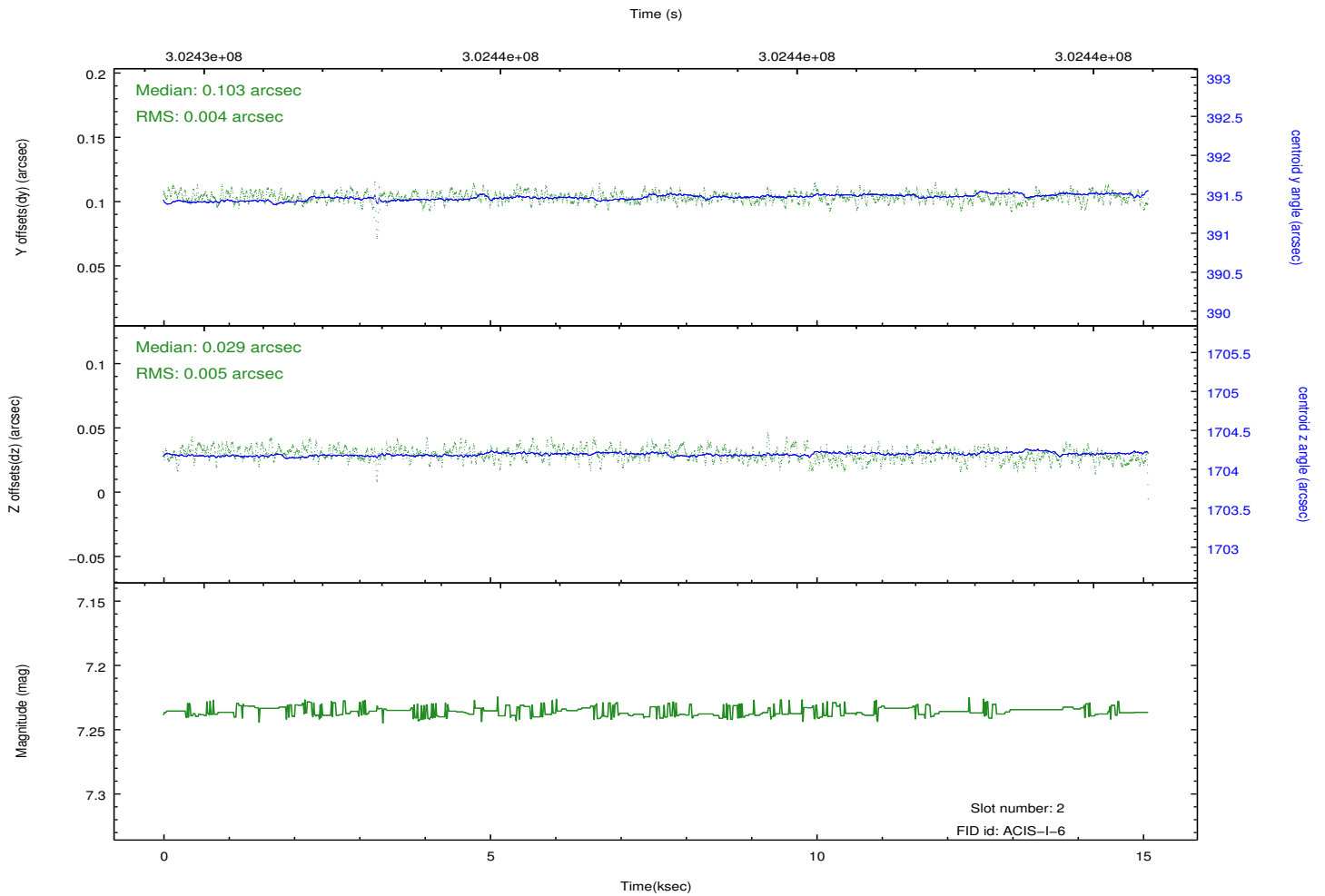
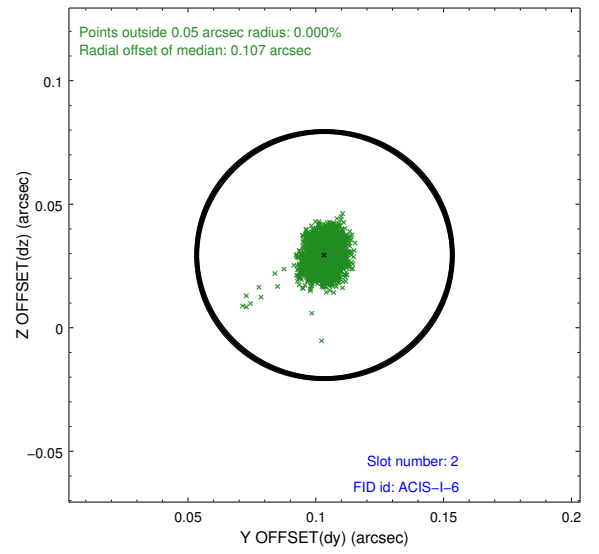
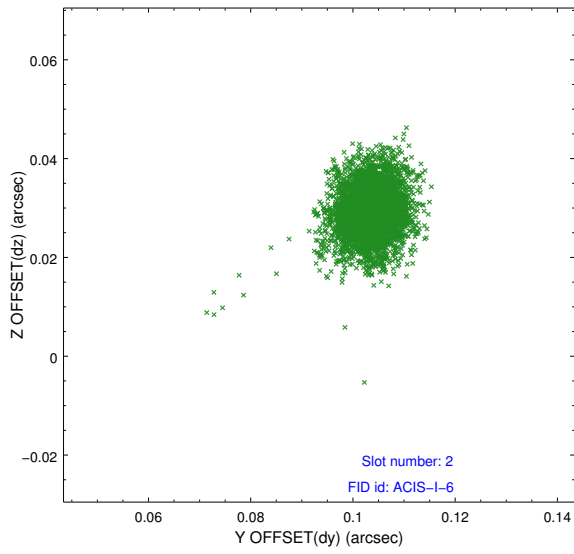
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.6940001

A.2 Comments

Roll angle constraint of 95 +/- 10 degrees met.