

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7712 - L2 Version 3
Chandra X-Ray Center

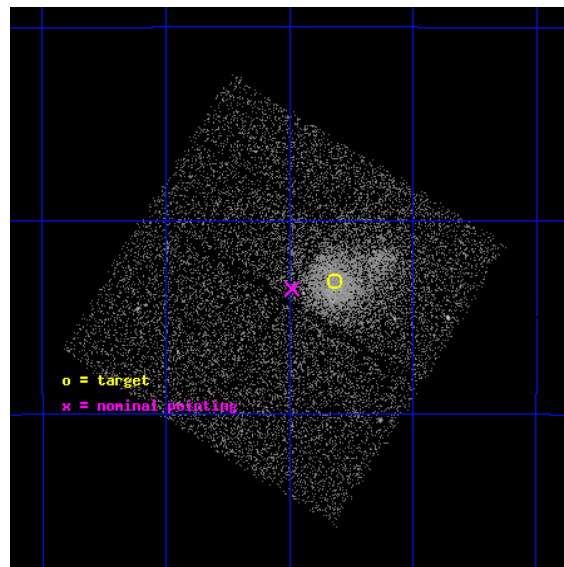
L2 Processing Date : May 1 2012

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1 Front

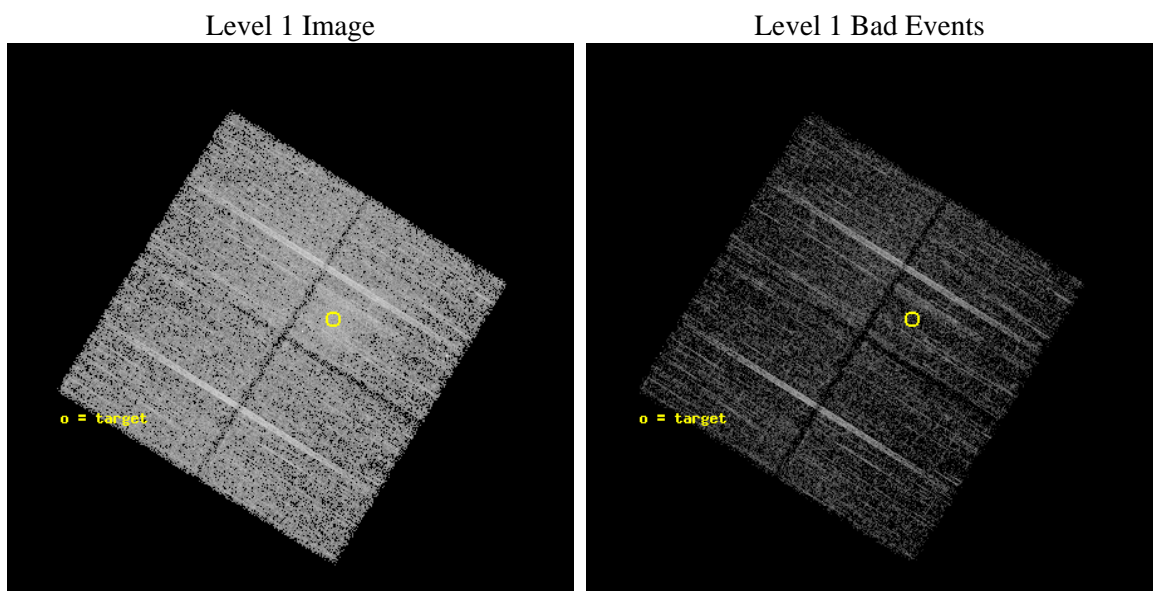
seq_num	701380	Sequence number
obs_id	7712	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	A2744	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	3.58	Observer's specified target RA [deg]
dec_targ	-30.385333	Observer's specified target Dec [deg]
ra_nom	3.6225937794764	Nominal RA [deg]
dec_nom	-30.392041705412	Nominal Dec [deg]
roll_nom	31.888794040538	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8174.700062871	Sum of GTIs [s]
livetime	8067.8915884229	Livetime [s]
ontime0	8174.700062871	Sum of GTIs [s]
ontime1	8174.700062871	Sum of GTIs [s]
ontime2	8171.5590626001	Sum of GTIs [s]
ontime3	8174.700062871	Sum of GTIs [s]
l2events	21408	Number of level 2 events



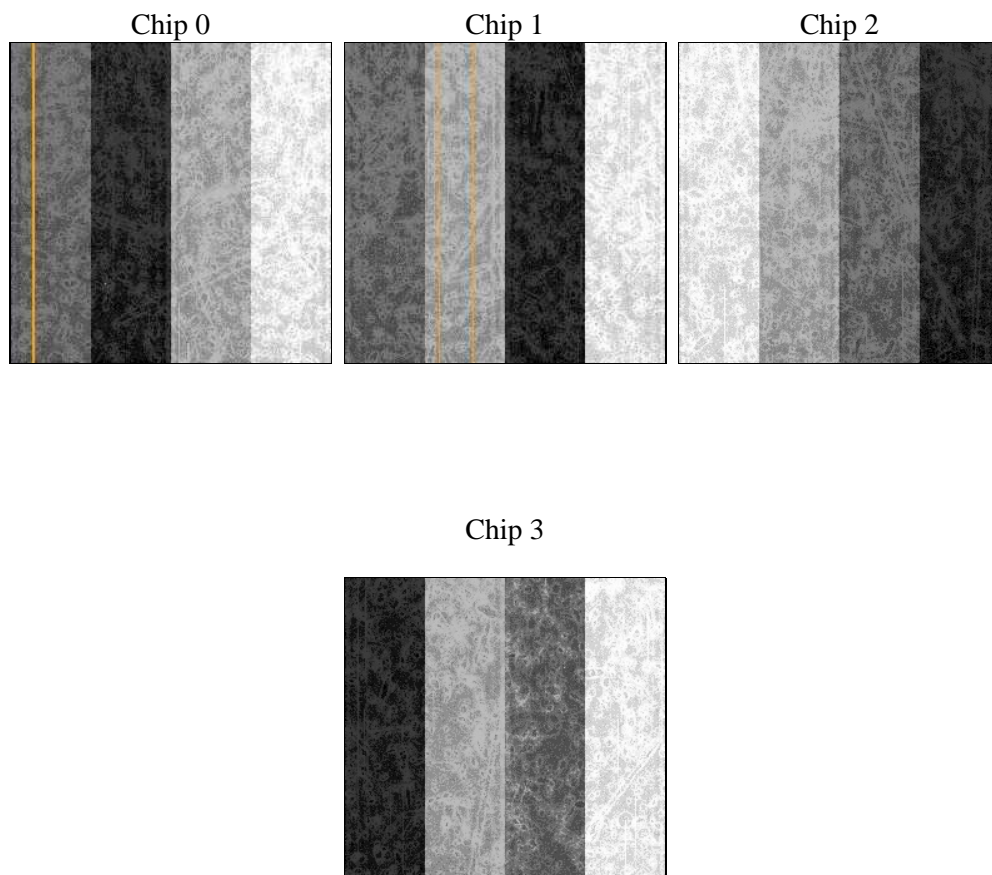
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8174.700062871	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8174.700062871	Sum of GTIs [s]
date	2012-05-01T12:52:36	Date and time of file creation	ontime1	8174.700062871	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8171.5590626001	Sum of GTIs [s]
			ontime3	8174.700062871	Sum of GTIs [s]
			l1events	236427	Number of level 1 events

2.1.4 Events

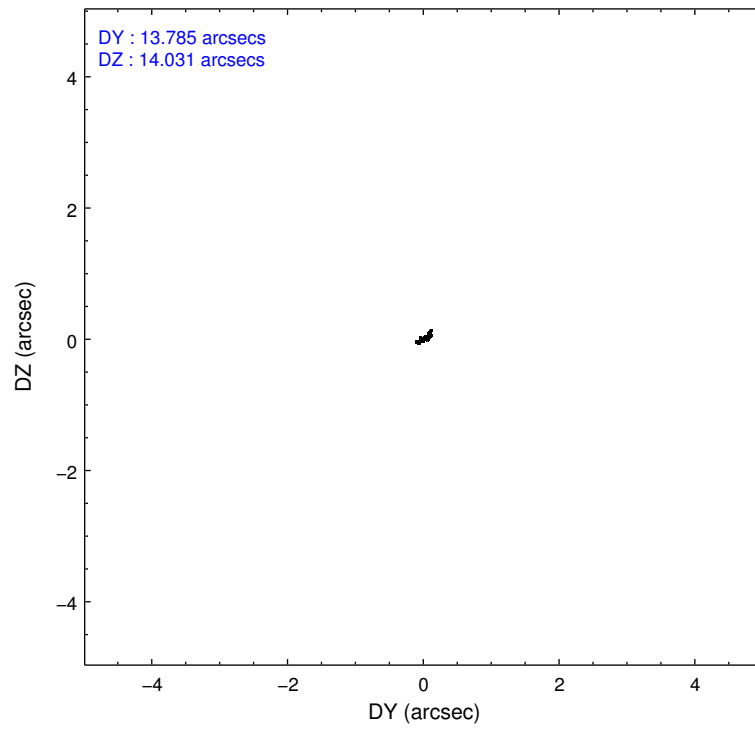
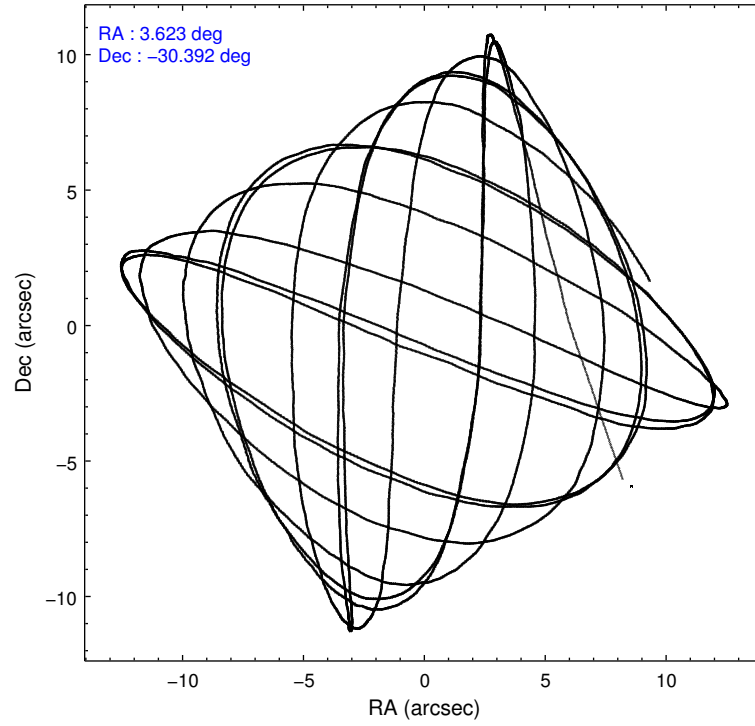
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	56574	51980	63692	64181
rejected events	51565	46833	58566	53470
rejected %	91%	90%	91%	83%

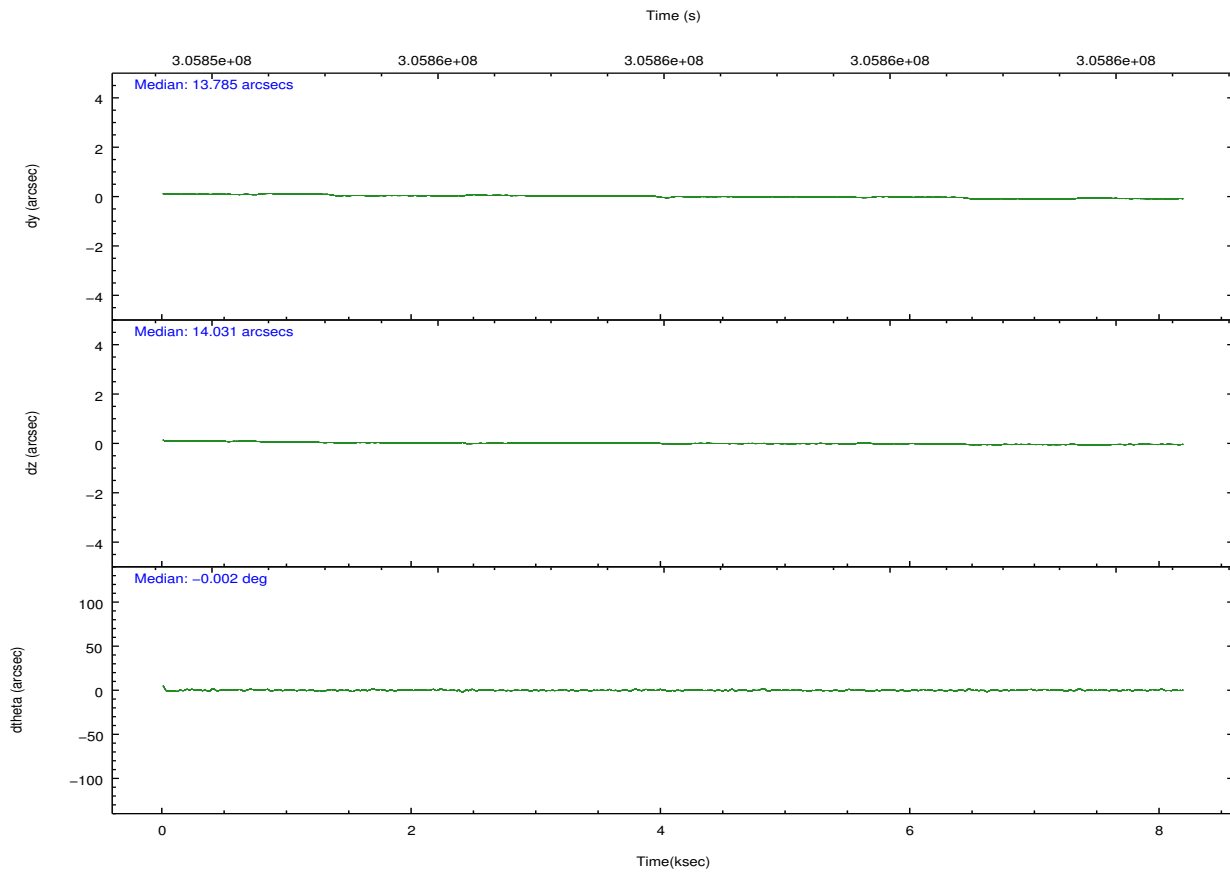
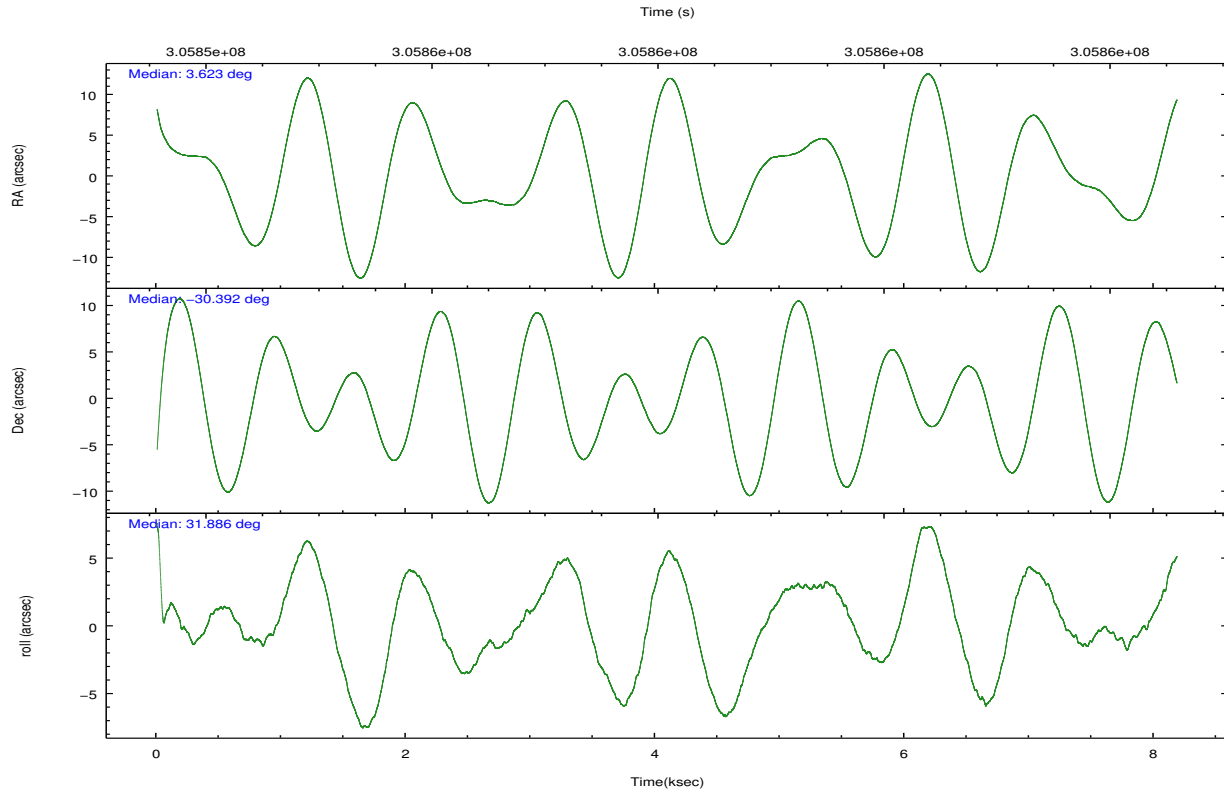
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2078	2096	2306	6954
	3%	4%	3%	10%
grade 1 events	27	25	25	68
	0%	0%	0%	0%
grade 2 events	1227	1155	1233	1658
	2%	2%	1%	2%
grade 3 events	571	637	508	785
	1%	1%	0%	1%
grade 4 events	523	605	551	696
	0%	1%	0%	1%
grade 5 events	939	1147	803	1184
	1%	2%	1%	1%
grade 6 events	751	821	679	884
	1%	1%	1%	1%
grade 7 events	50458	45494	57587	51952
	89%	87%	90%	80%

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	3.607682	3.622593779476375	Subarray requested	NONE	NONE
[deg] Pointing Dec	-30.416422	-30.39204170541191	Alternating exposures requested	N	N
[deg] Pointing Roll	31.672545	31.88879404053799	[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)	305854176.184000	305853120.41071			
Observation start date	2007-09-10T23:28:31	2007-09-10T23:12:00			
[s] Observation end time (MET)	305862176.184000	305862910.18618			
Observation end date	2007-09-11T01:41:51	2007-09-11T01:55:10			
Read mode	TIMED	TIMED			

2.3 Aspect



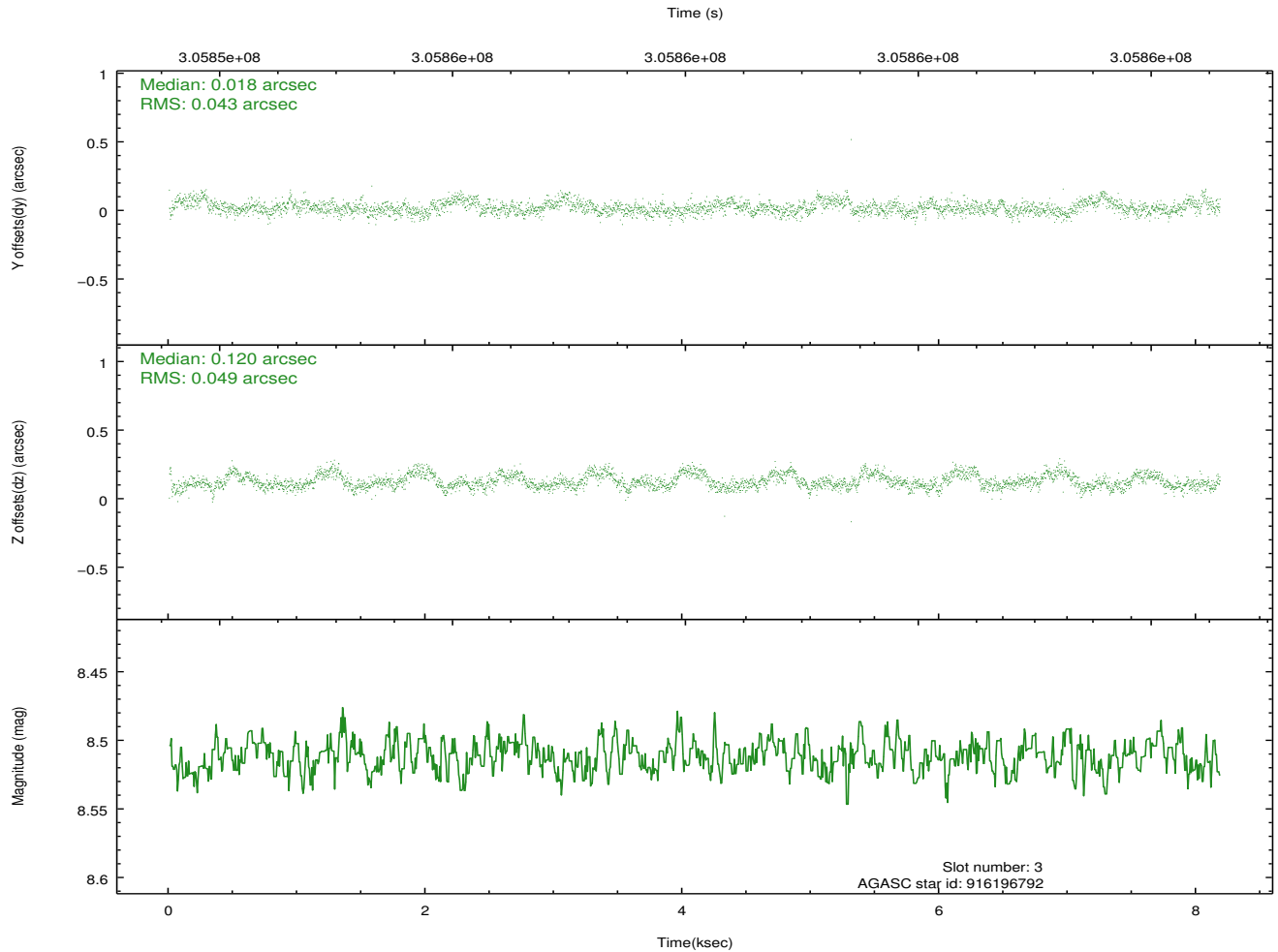
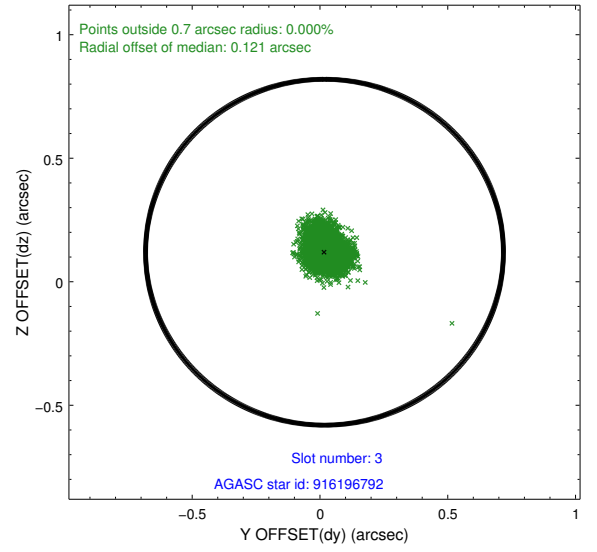
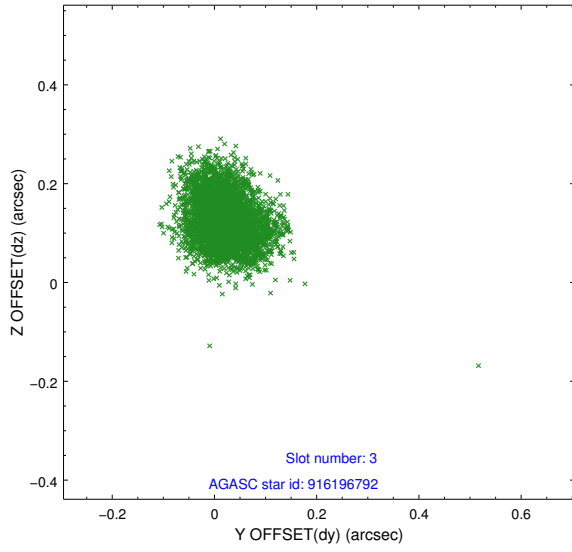


Slot Statistics

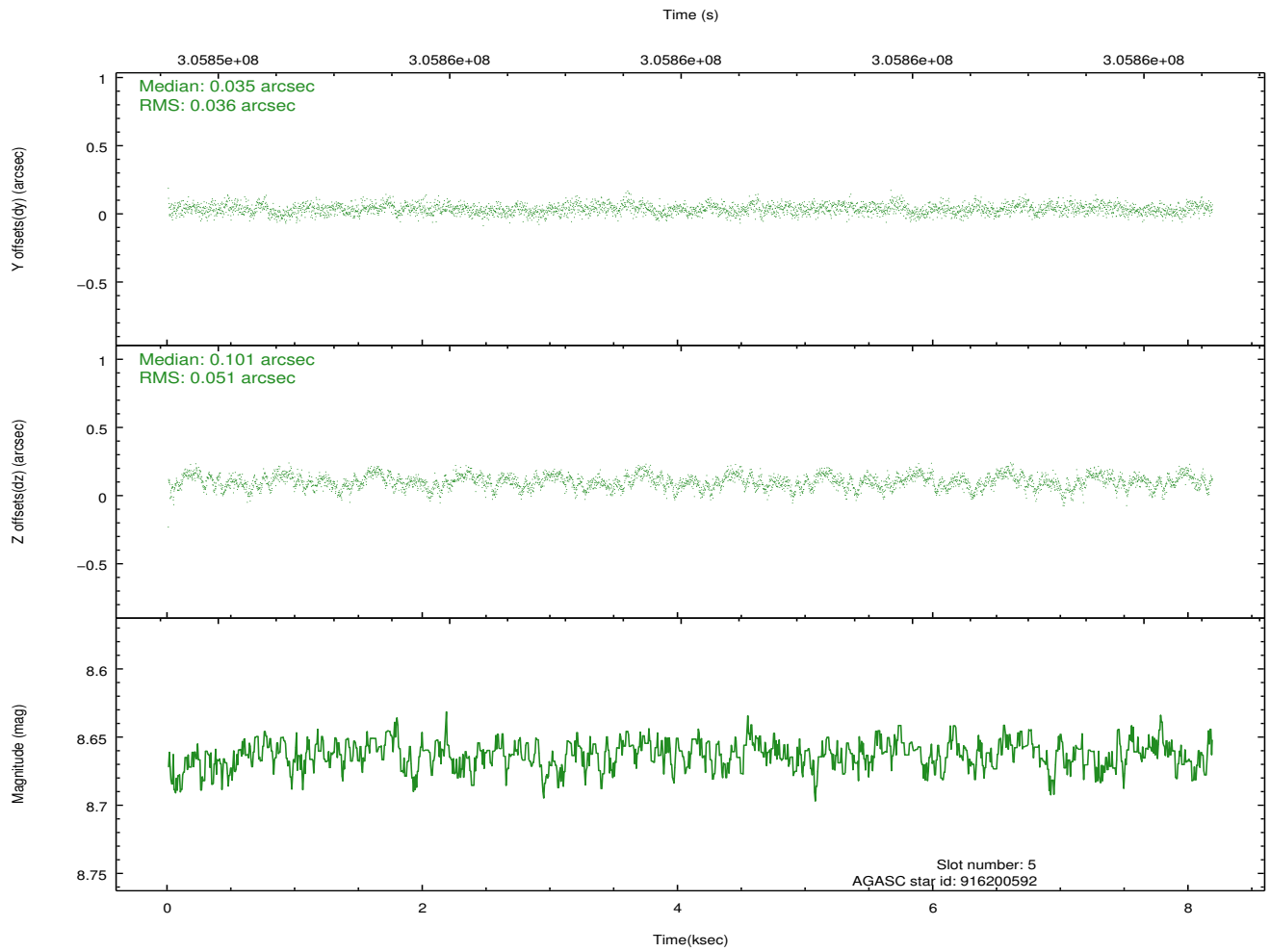
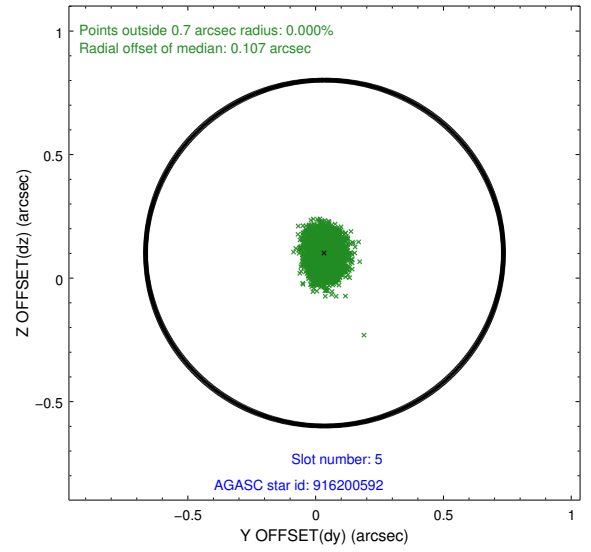
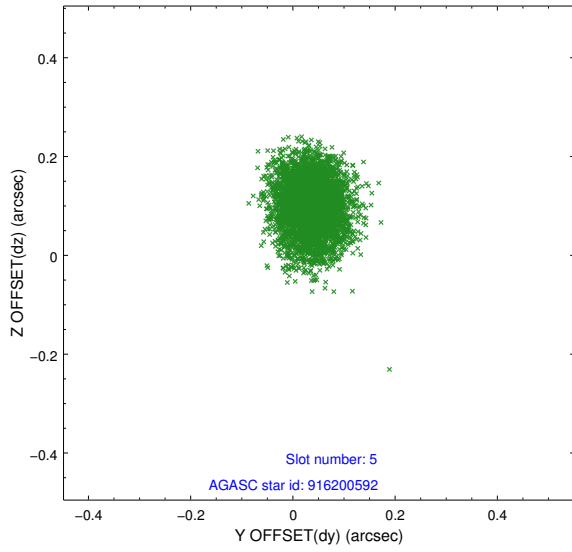
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1996	-0.008	0.030	0.008	0.015	0.000000	0.000000	925.70	-837.58
1	FID	ACIS-I-4	7.15	1994	0.208	0.007	0.008	0.013	0.000000	0.000000	2146.34	1061.85
2	FID	ACIS-I-5	7.22	1996	-0.298	0.034	0.006	0.013	0.000000	0.000000	-1821.71	1060.53
3	GUIDE	916196792	8.51	3991	0.018	0.120	0.069	0.112	4.170313	-30.434617	1449.77	-976.51
4	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	916200592	8.66	3992	0.035	0.101	0.067	0.109	3.136714	-30.859834	-2078.98	-598.68
6	GUIDE	916201280	8.67	3988	0.017	-0.141	0.063	0.105	3.857877	-30.169158	1129.35	347.45
7	GUIDE	916201520	8.10	3990	-0.073	-0.089	0.058	0.095	3.245363	-30.057887	-283.70	1689.62

2.4 Star Slots

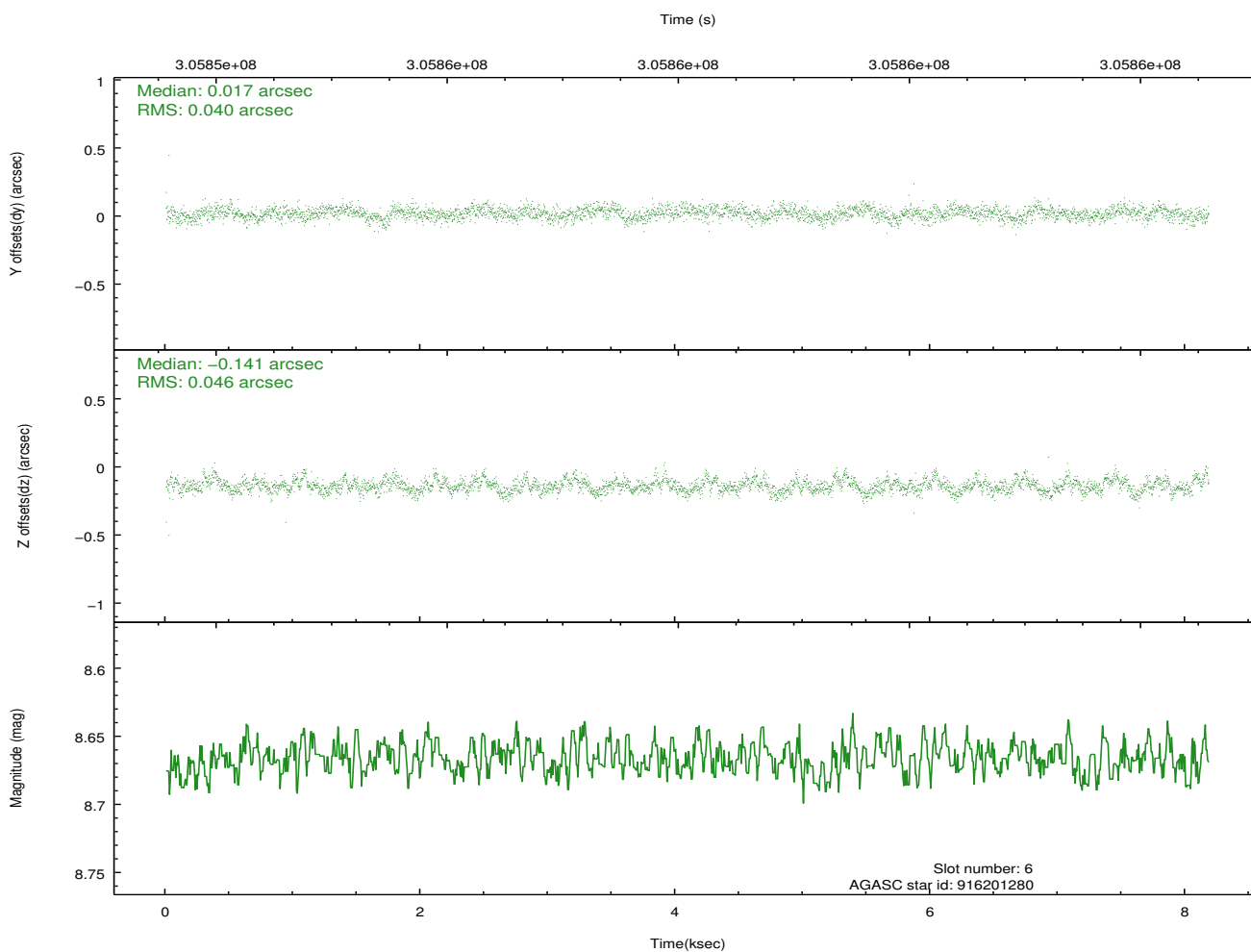
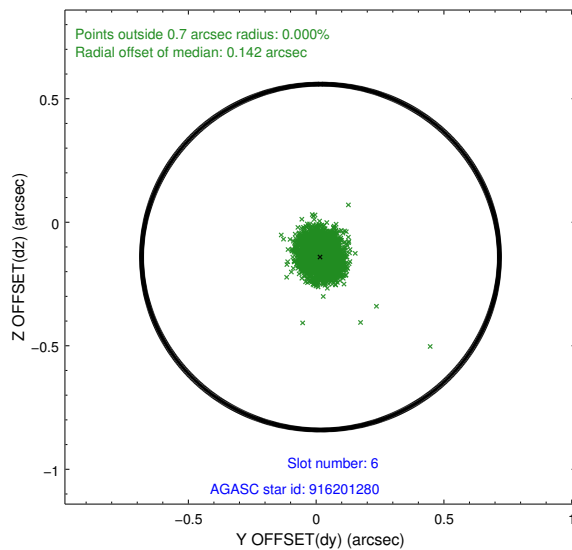
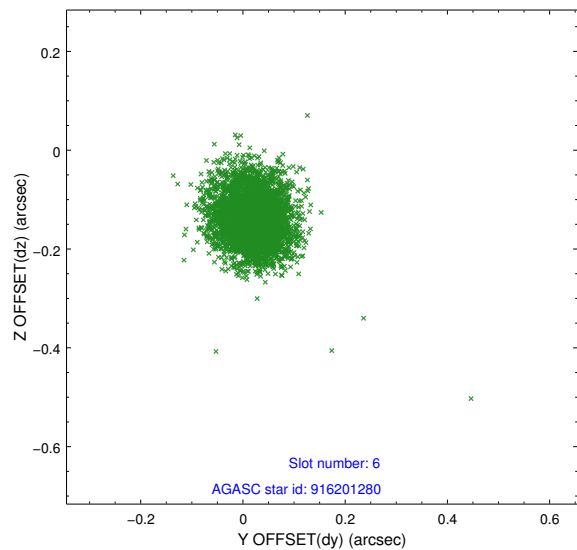
2.4.1 Slot 3



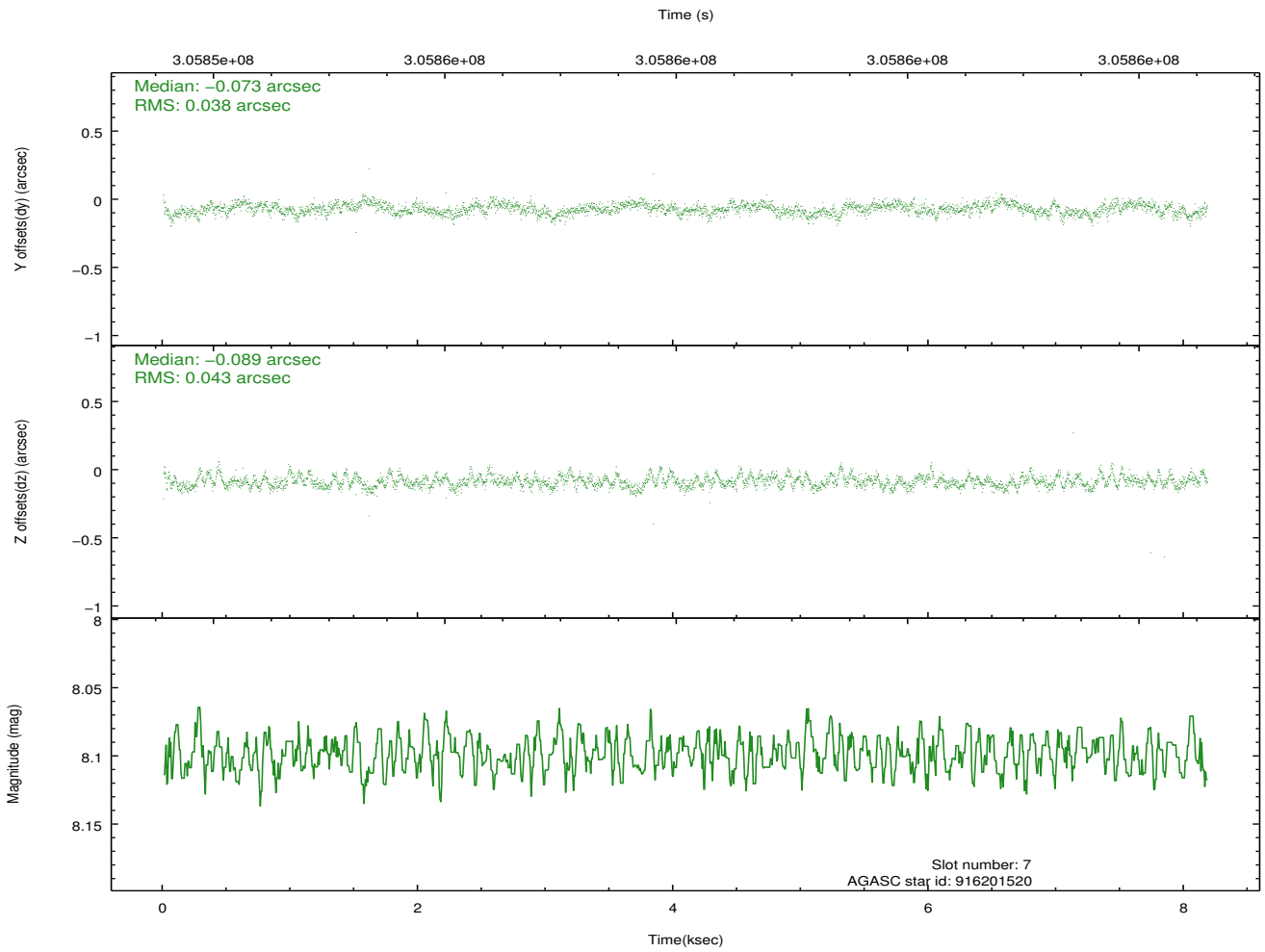
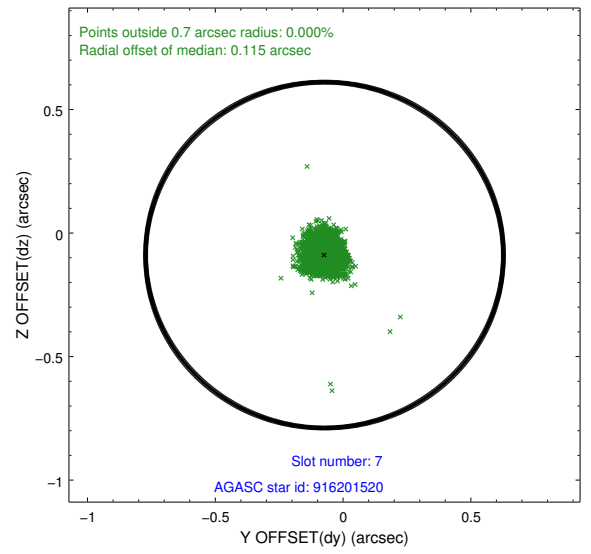
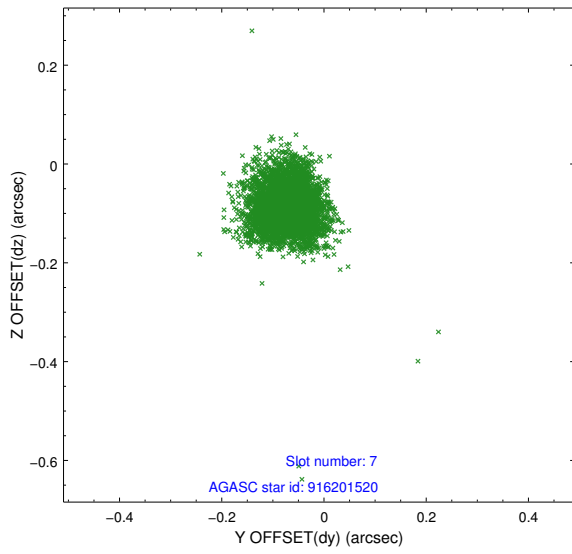
2.4.2 Slot 5



2.4.3 Slot 6

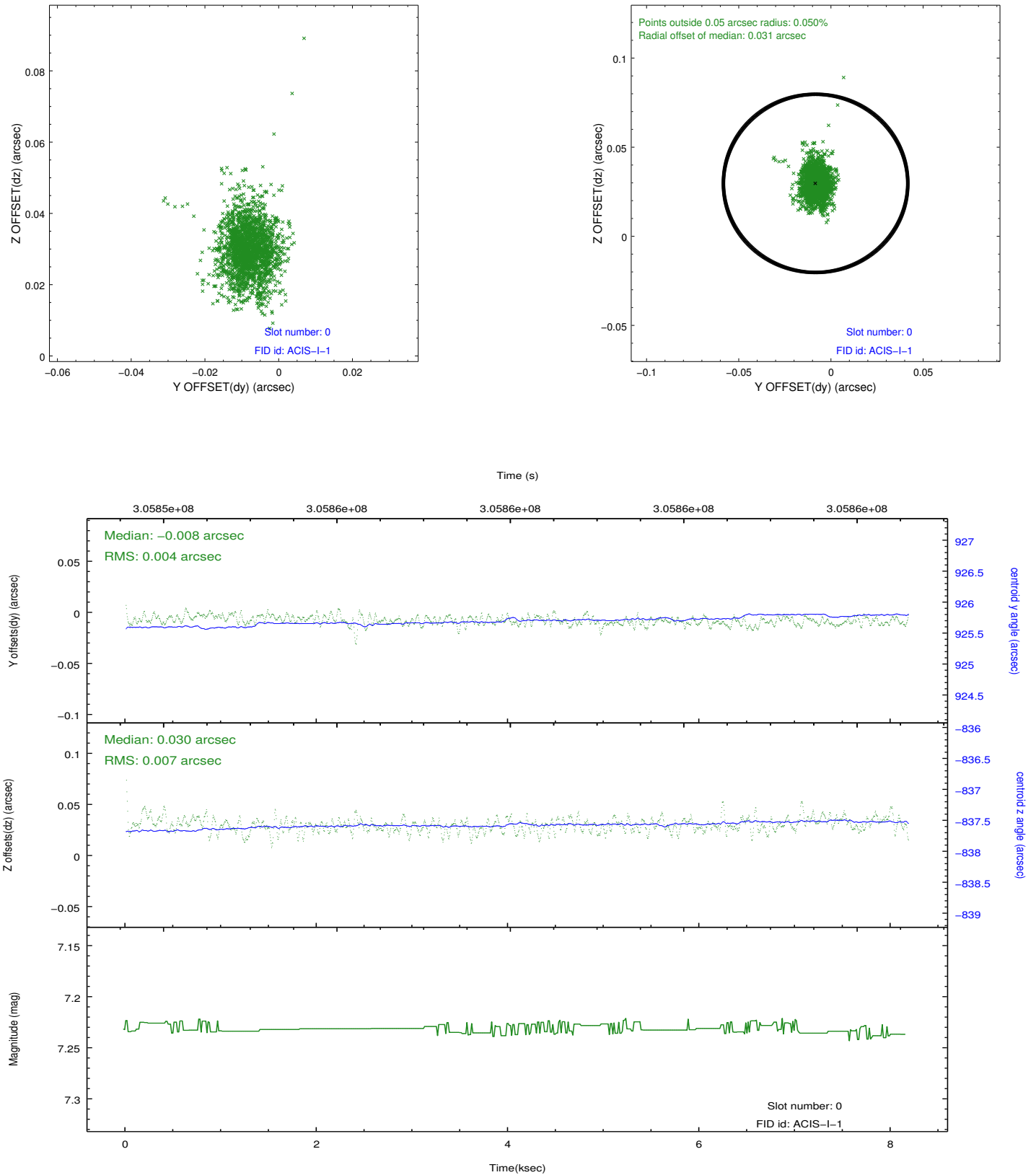


2.4.4 Slot 7

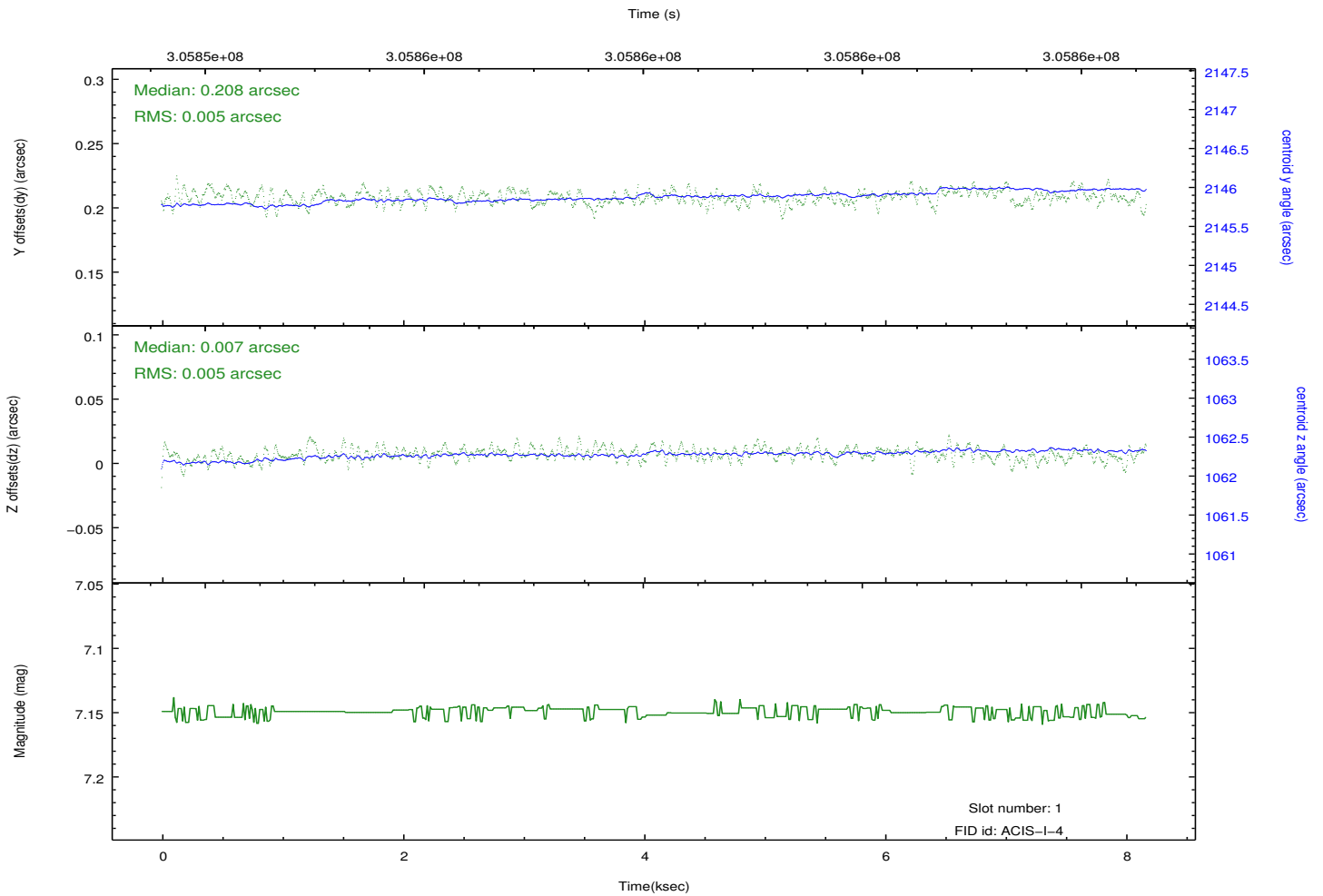
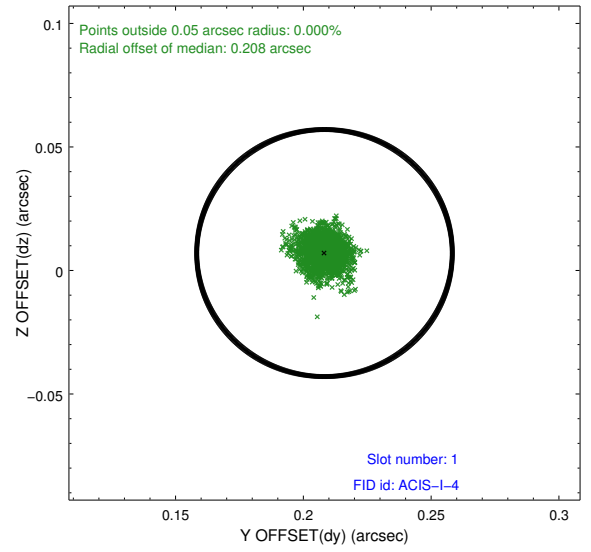
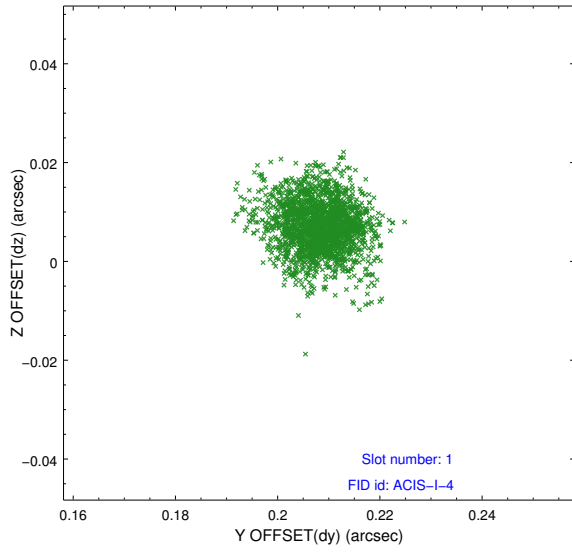


2.5 FID Slots

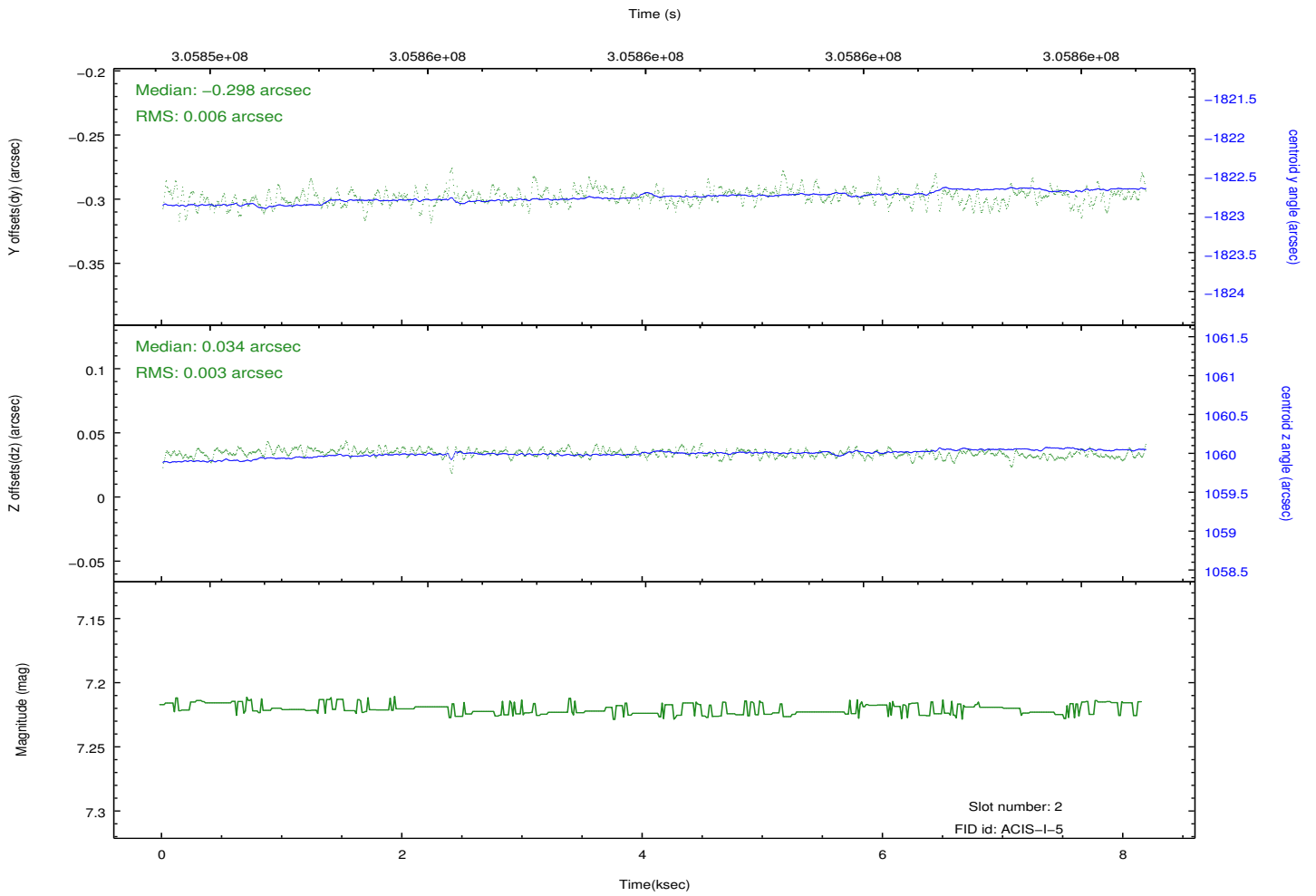
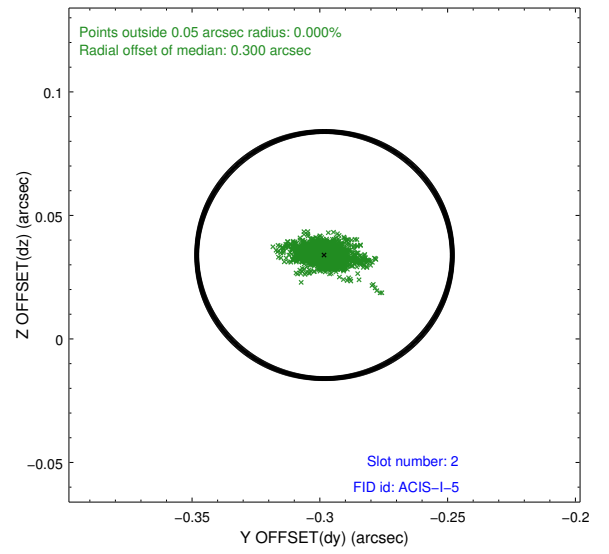
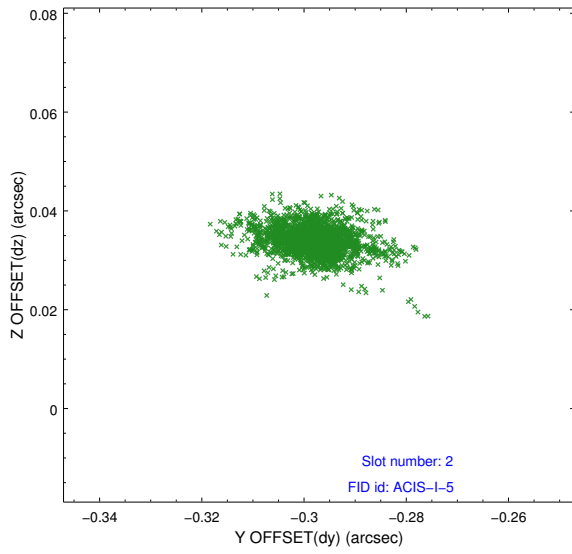
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.17470006

A.2 Comments

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.