

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5699 - L2 Version 3
Chandra X-Ray Center

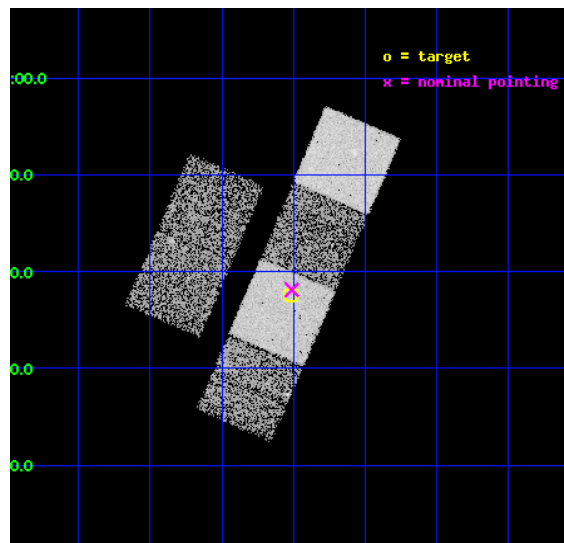
L2 Processing Date : Dec 27 2012

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1 Front

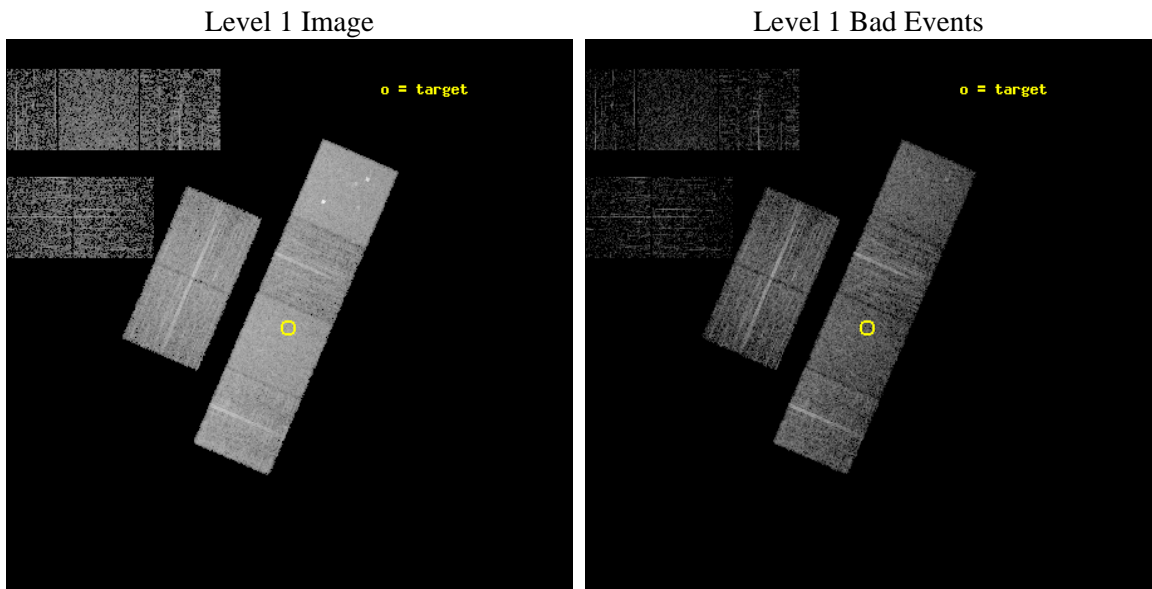
seq_num	701121	Sequence number
obs_id	5699	Observation id
title	Studying the X-ray properties of SDSS candidate Type II quasars with exploratory Chandra observations	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	SDSS J235831.16-002226.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.63	Observer's specified target RA [deg]
dec_targ	-0.374028	Observer's specified target Dec [deg]
ra_nom	359.62776164332	Nominal RA [deg]
dec_nom	-0.36463911289864	Nominal Dec [deg]
roll_nom	113.33196942143	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6348.7999763489	Sum of GTIs [s]
livetime	6268.40764826	Livetime [s]
ontime2	6348.7999763489	Sum of GTIs [s]
ontime3	6348.7999763489	Sum of GTIs [s]
ontime5	6348.7999763489	Sum of GTIs [s]
ontime6	6348.7999763489	Sum of GTIs [s]
ontime7	6348.7999763489	Sum of GTIs [s]
ontime8	6348.7999763489	Sum of GTIs [s]
l2events	70701	Number of level 2 events



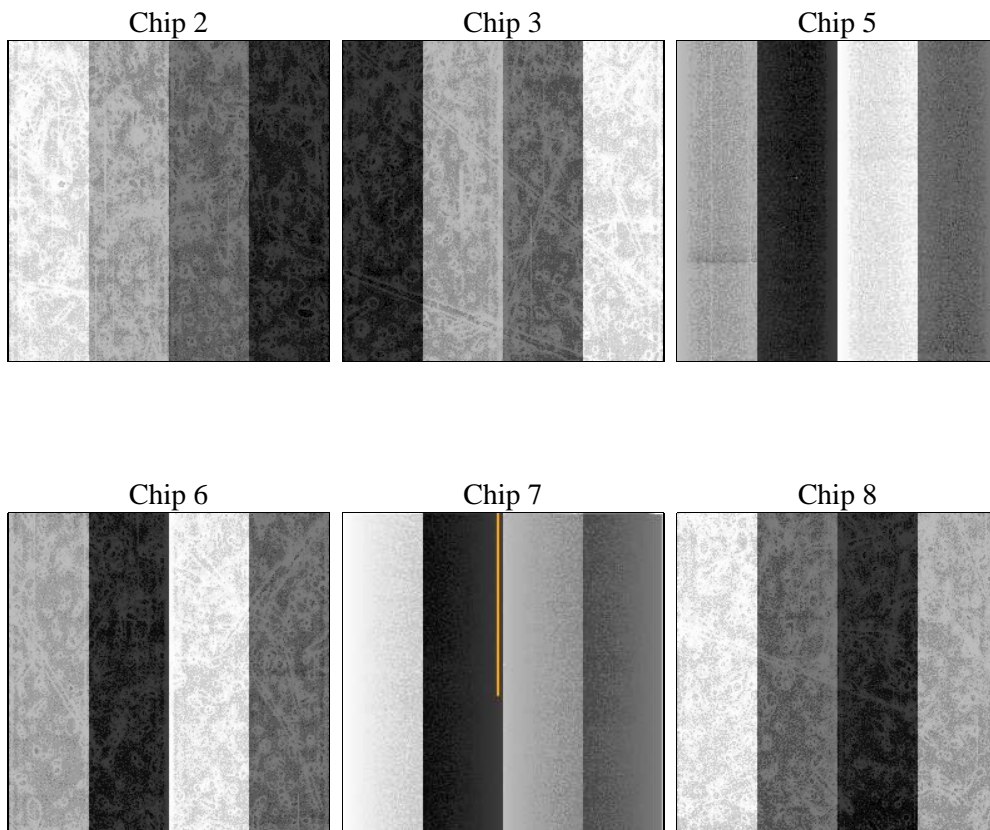
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6216.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	6348.7999763489	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	6348.7999763489	Sum of GTIs [s]
date	2012-12-27T04:04:57	Date and time of file creation	ontime3	6348.7999763489	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6348.7999763489	Sum of GTIs [s]
			ontime6	6348.7999763489	Sum of GTIs [s]
			ontime7	6348.7999763489	Sum of GTIs [s]
			ontime8	6348.7999763489	Sum of GTIs [s]
			l1events	357143	Number of level 1 events

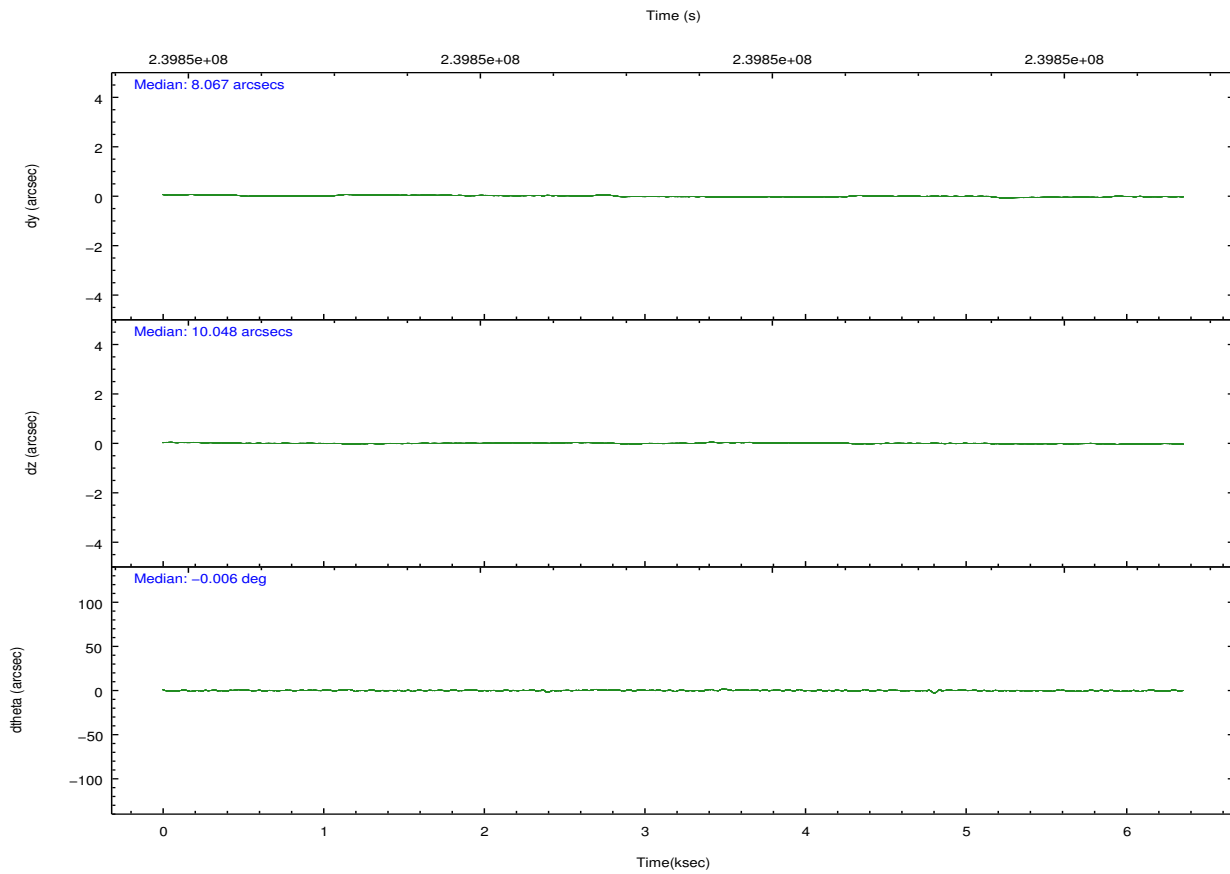
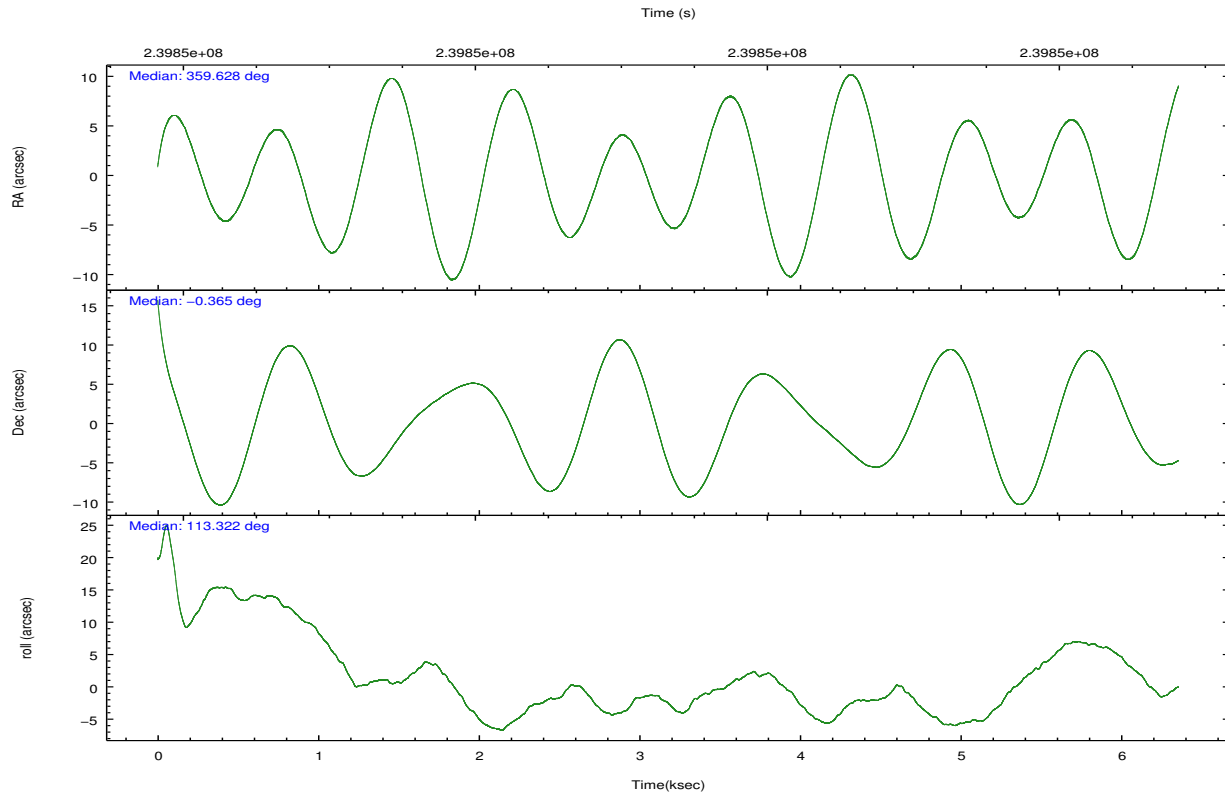
2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	50726	47595	78109	49982	68908	61823	grade 0 events	2715	2597	5422	2342	2557	4343
rejected events	45570	42456	46605	44754	44468	50213		5%	5%	6%	4%	3%	7%
rejected %	89%	89%	59%	89%	64%	81%	grade 1 events	36	43	234	28	67	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	1221	1081	10251	1304	5744	2882
								2%	2%	13%	2%	8%	4%
							grade 3 events	563	587	1326	557	2521	1341
								1%	1%	1%	1%	3%	2%
							grade 4 events	578	610	1295	606	2419	1319
								1%	1%	1%	1%	3%	2%
							grade 5 events	2037	2350	5408	2344	6524	3065
								4%	4%	6%	4%	9%	4%
							grade 6 events	970	1000	18193	1225	15043	3476
								1%	2%	23%	2%	21%	5%
							grade 7 events	42606	39327	35980	41576	34033	45366
								83%	82%	46%	83%	49%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	359.649847	359.6277616433196	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.380581	-0.3646391128986379	Alternating exposures requested	N	N
[deg] Pointing Roll	113.175492	113.3319694214309	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	239848281.184000	239846591.03475			
Observation start date	2005-08-08T00:30:17	2005-08-08T00:03:11			
[s] Observation end time (MET)	239854497.184000	239855872.92267			
Observation end date	2005-08-08T02:13:53	2005-08-08T02:37:52			
Read mode	TIMED	TIMED			

2.3 Aspect

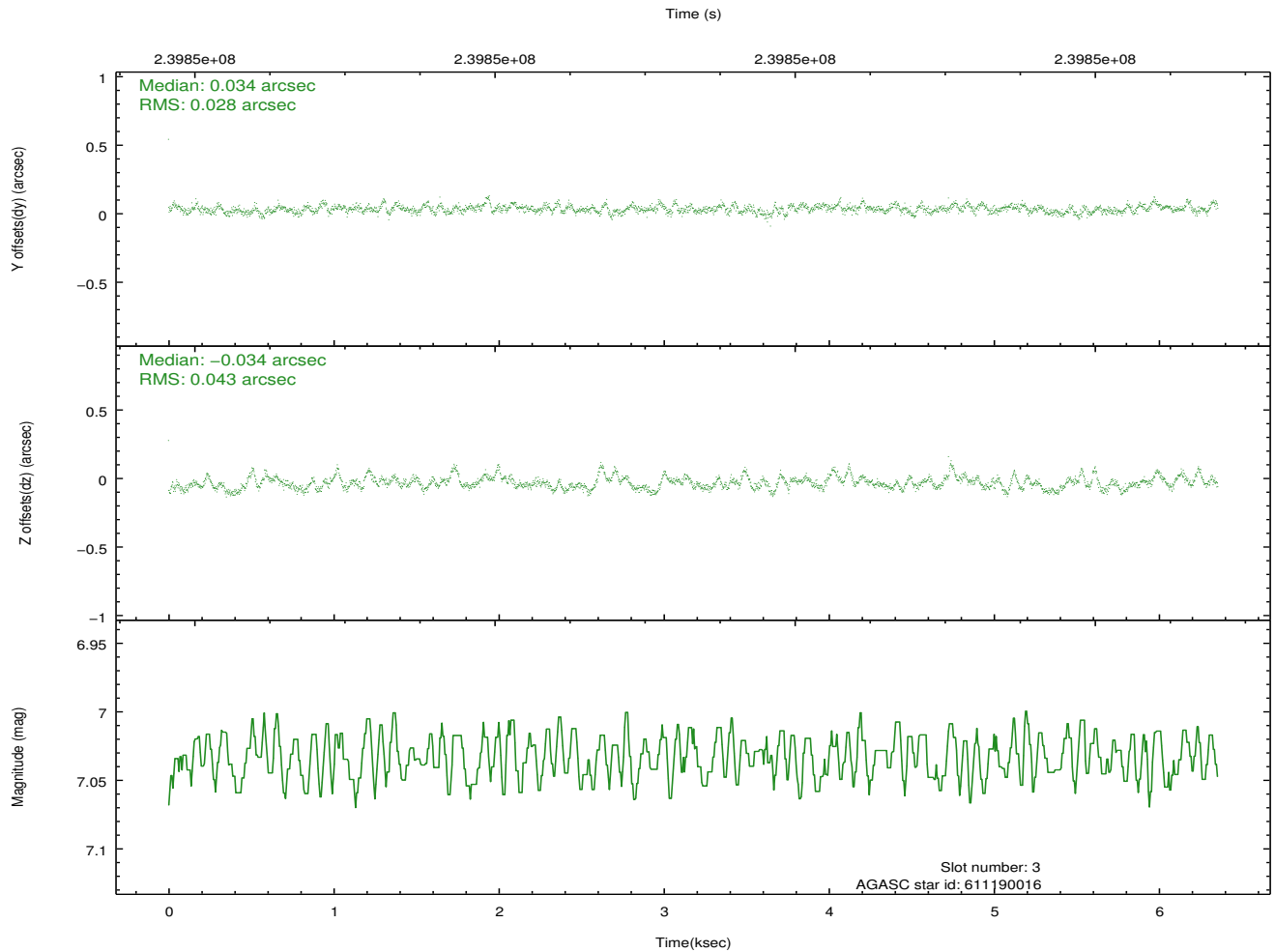
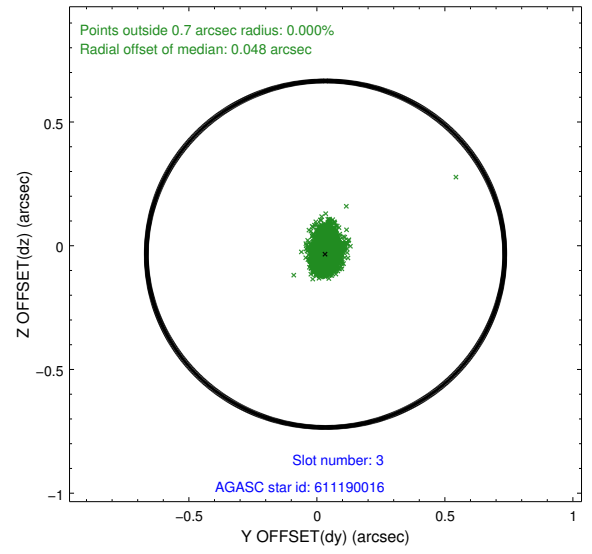
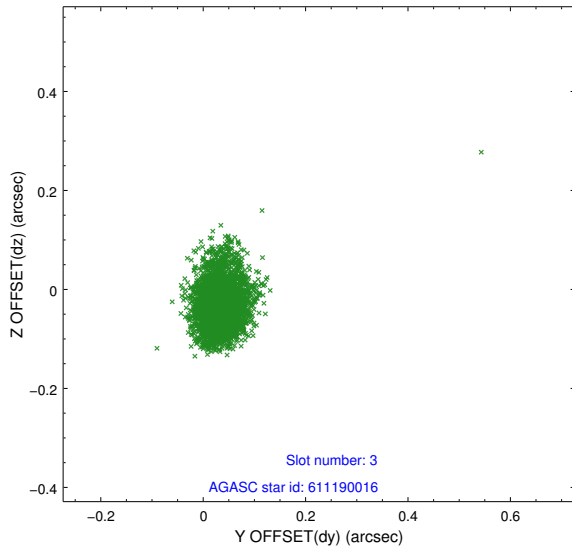


Slot Statistics

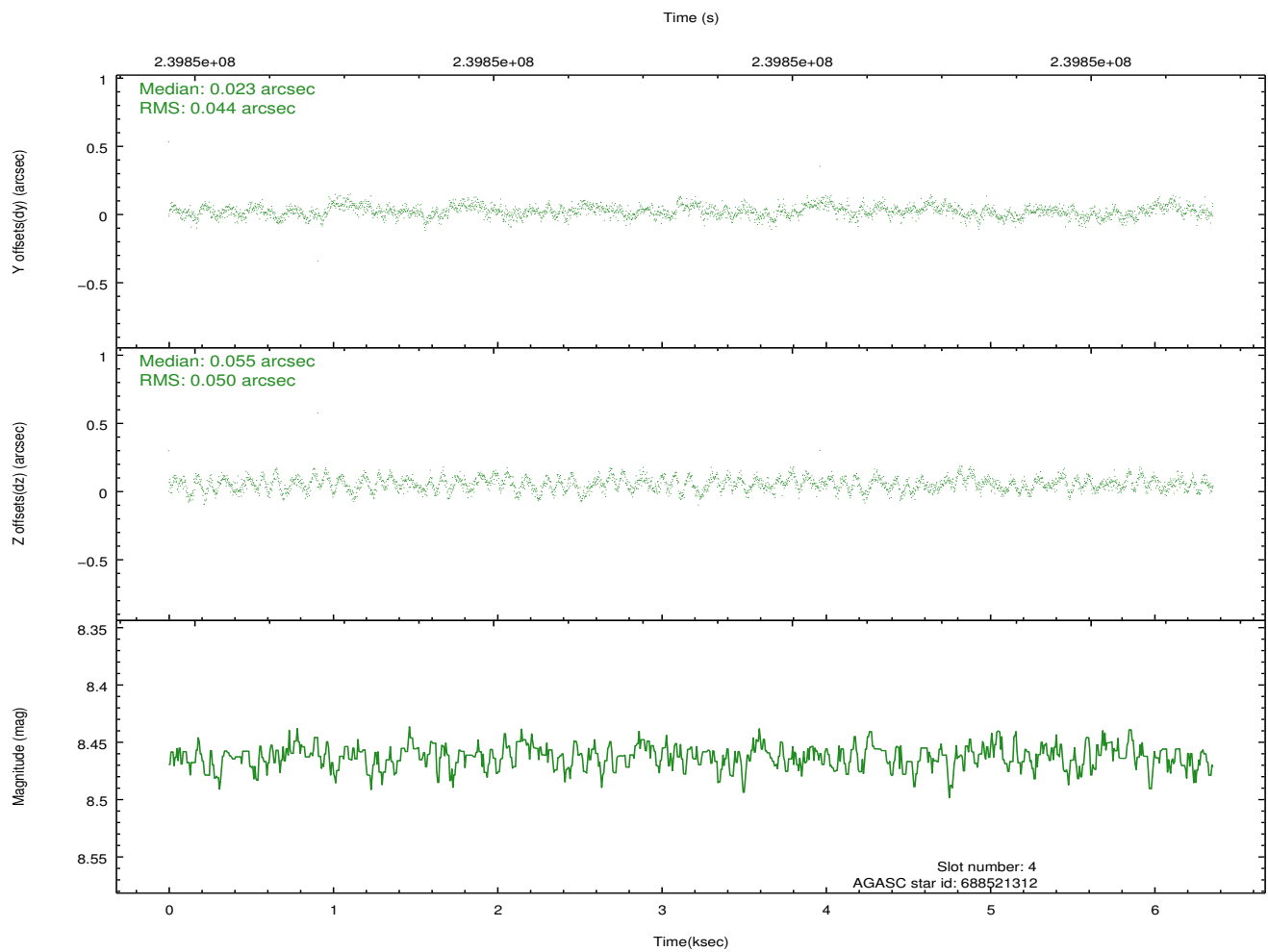
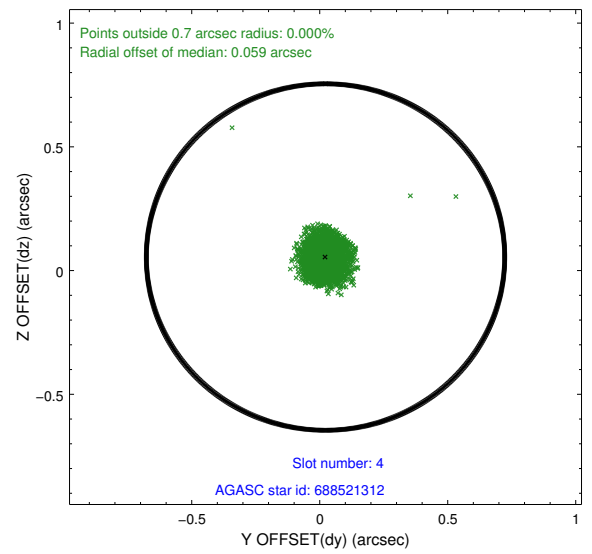
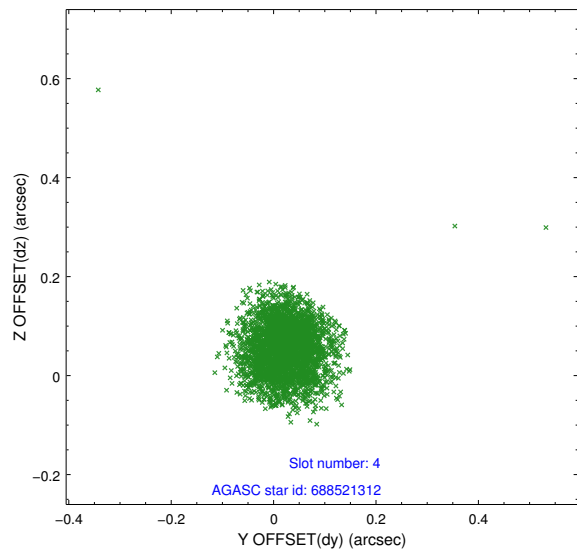
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1550	0.071	-0.038	0.006	0.010	0.000000	0.000000	935.28	-1726.95
1	FID	ACIS-S-2	7.11	1551	-0.027	-0.001	0.007	0.011	0.000000	0.000000	-760.20	-1732.44
2	FID	ACIS-S-5	7.24	1550	-0.068	0.045	0.006	0.010	0.000000	0.000000	-1814.45	169.70
3	GUIDE	611190016	7.03	3102	0.034	-0.034	0.052	0.091	0.048423	-0.360457	-497.75	-1347.88
4	GUIDE	688521312	8.46	3101	0.023	0.055	0.069	0.110	359.794684	-0.499831	-599.69	-310.56
5	GUIDE	688522008	9.07	3099	0.124	0.063	0.073	0.113	359.793079	-0.583482	-874.38	-186.92
6	GUIDE	688522368	9.63	3100	-0.069	-0.239	0.101	0.166	359.208550	-0.509657	197.71	1642.84
7	GUIDE	140408	9.40	3098	-0.114	0.156	0.093	0.147	0.115566	0.205058	1279.22	-2370.28

2.4 Star Slots

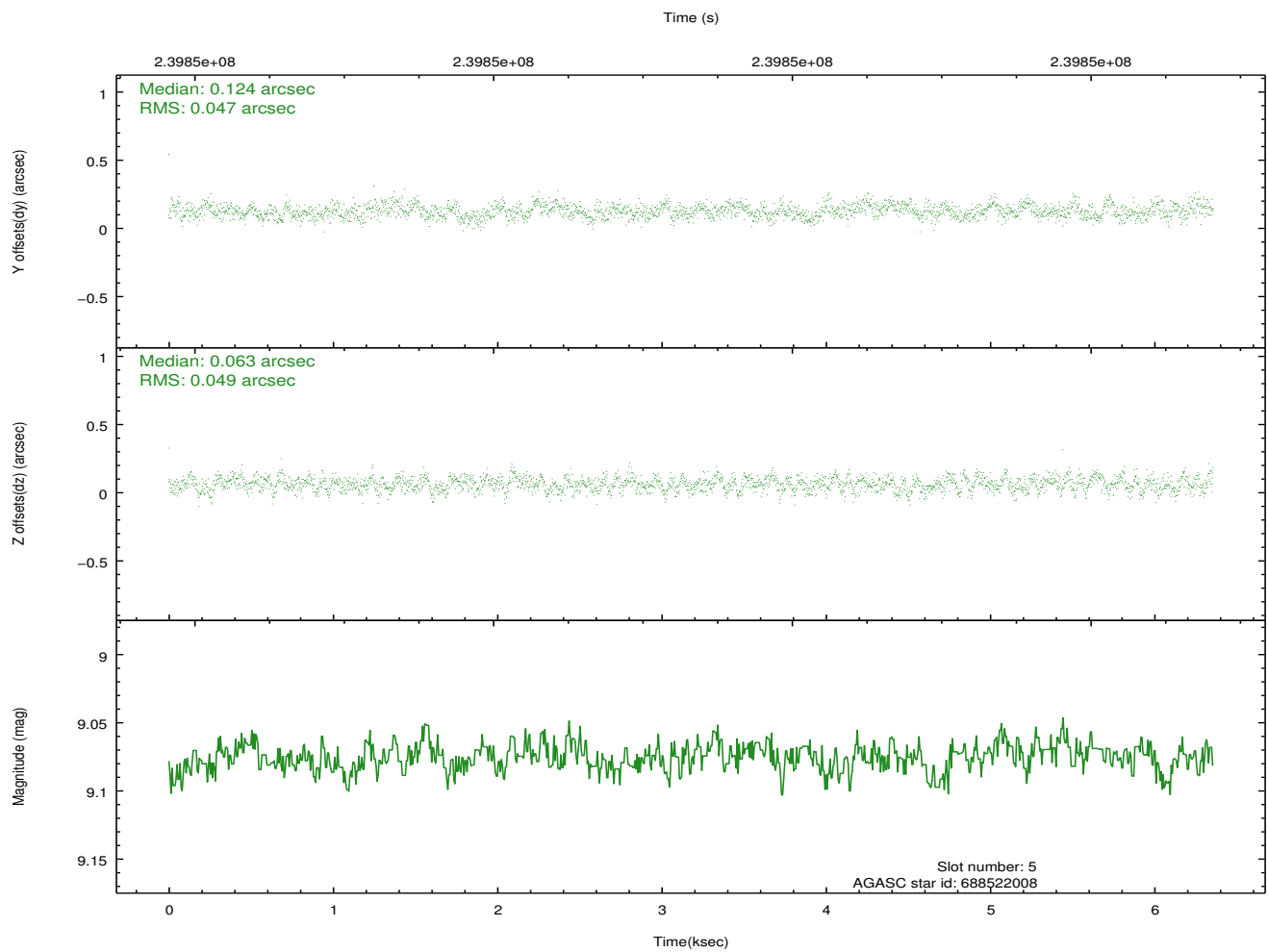
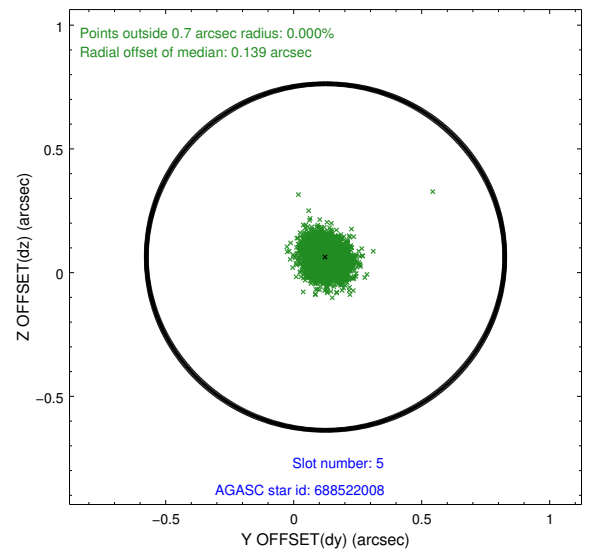
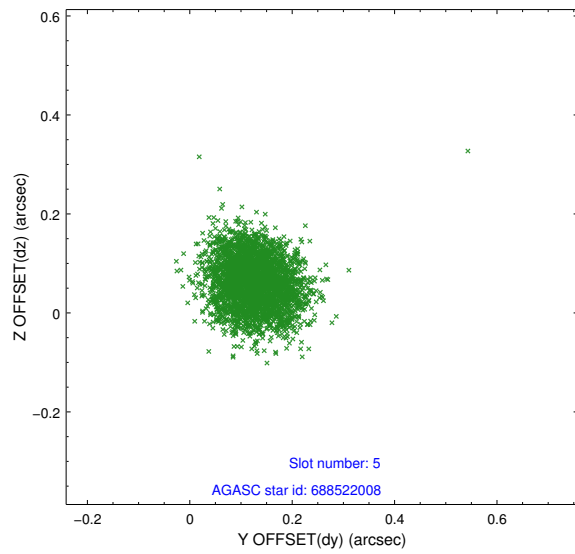
2.4.1 Slot 3



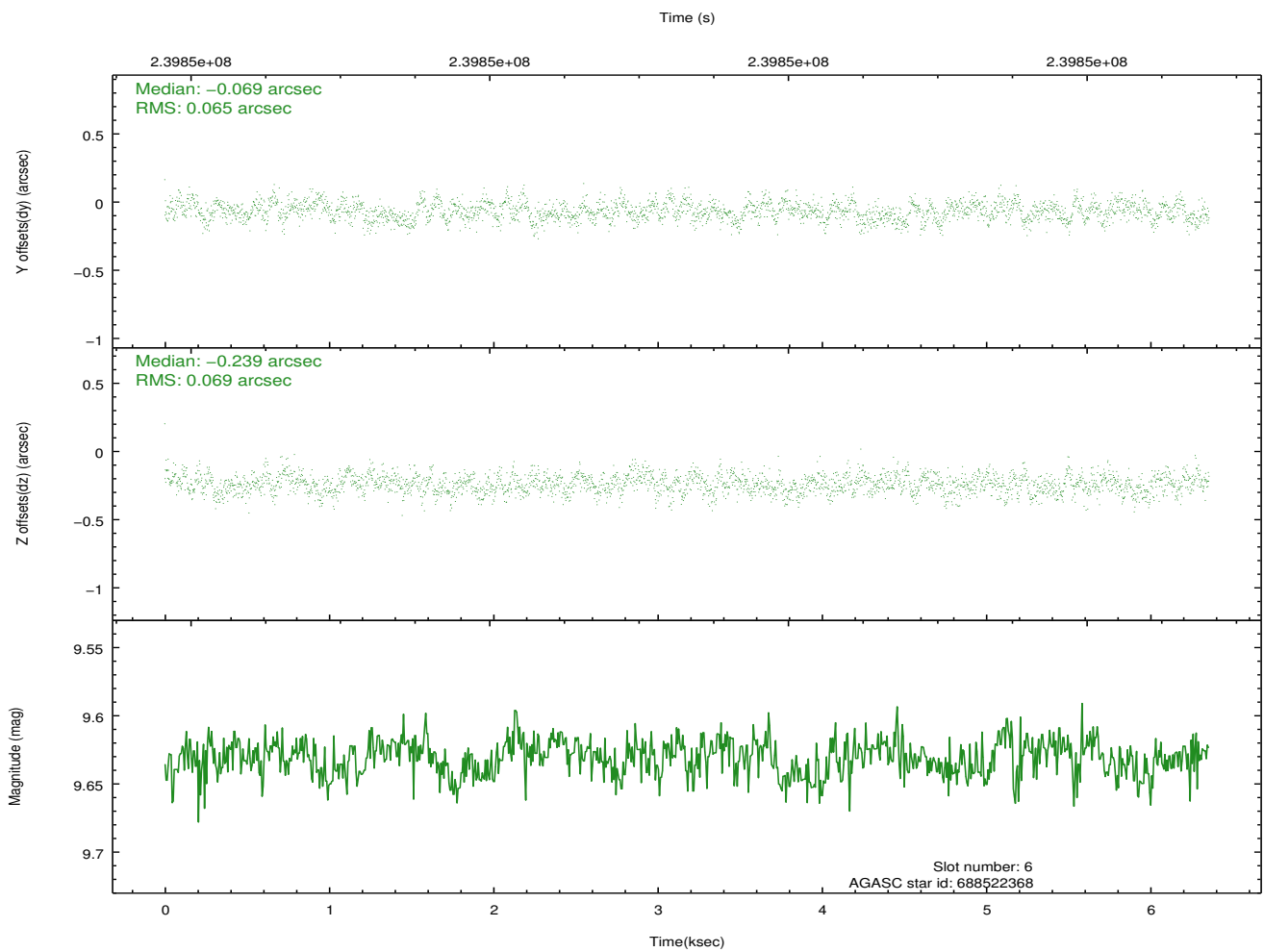
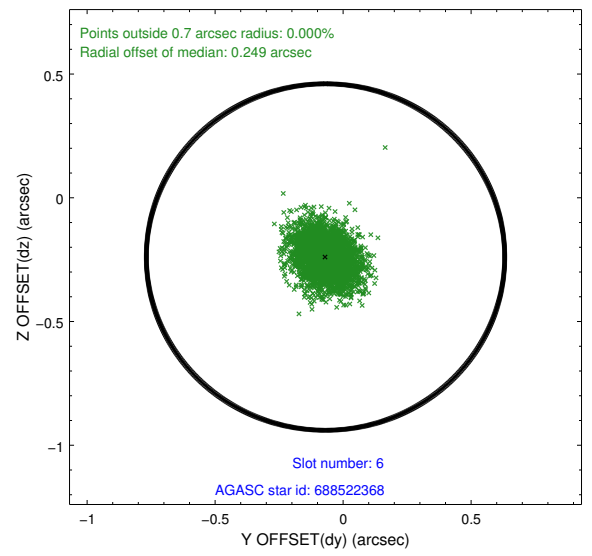
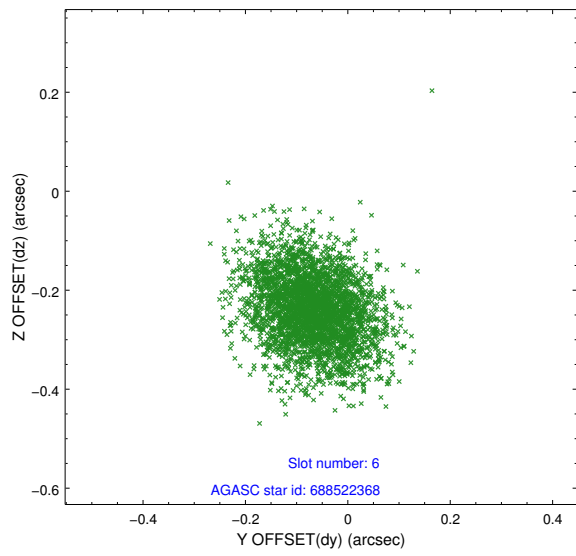
2.4.2 Slot 4



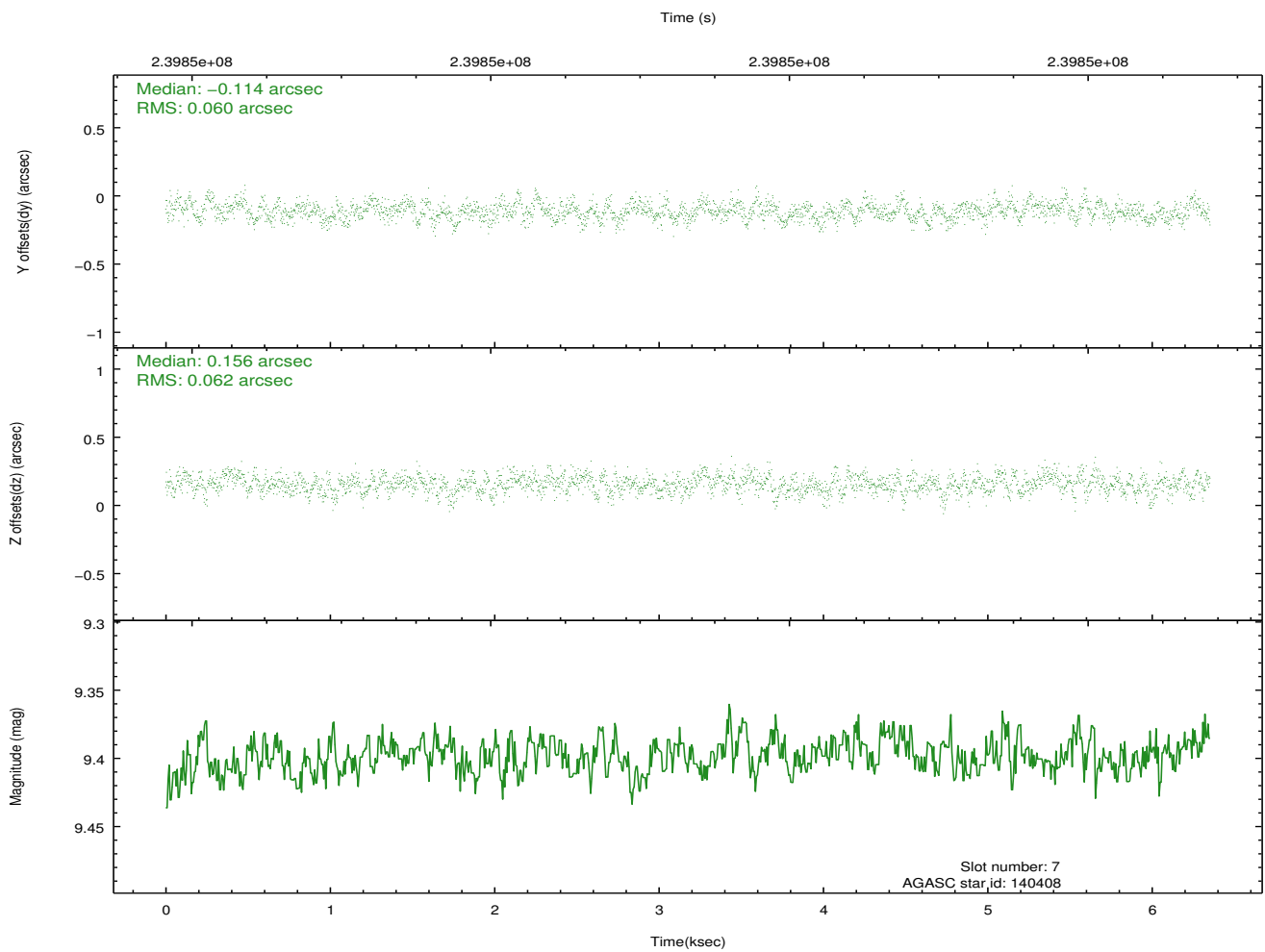
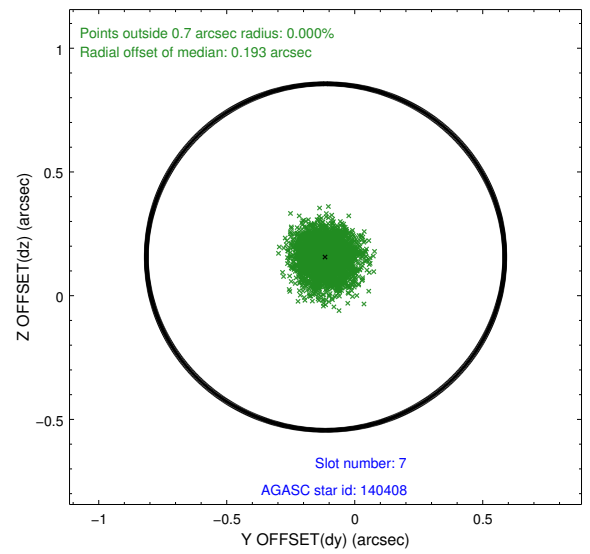
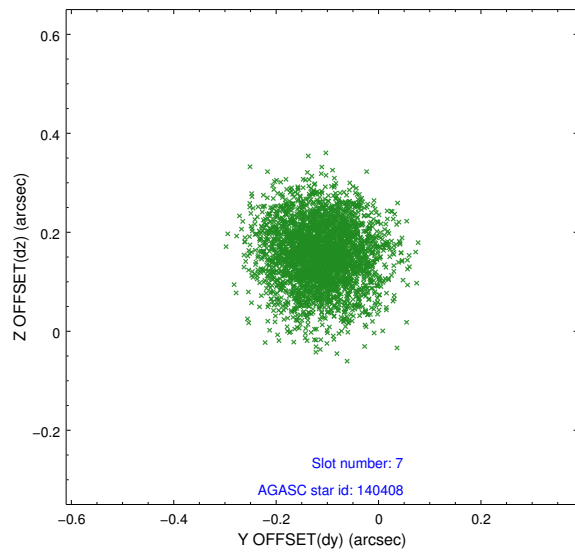
2.4.3 Slot 5



2.4.4 Slot 6

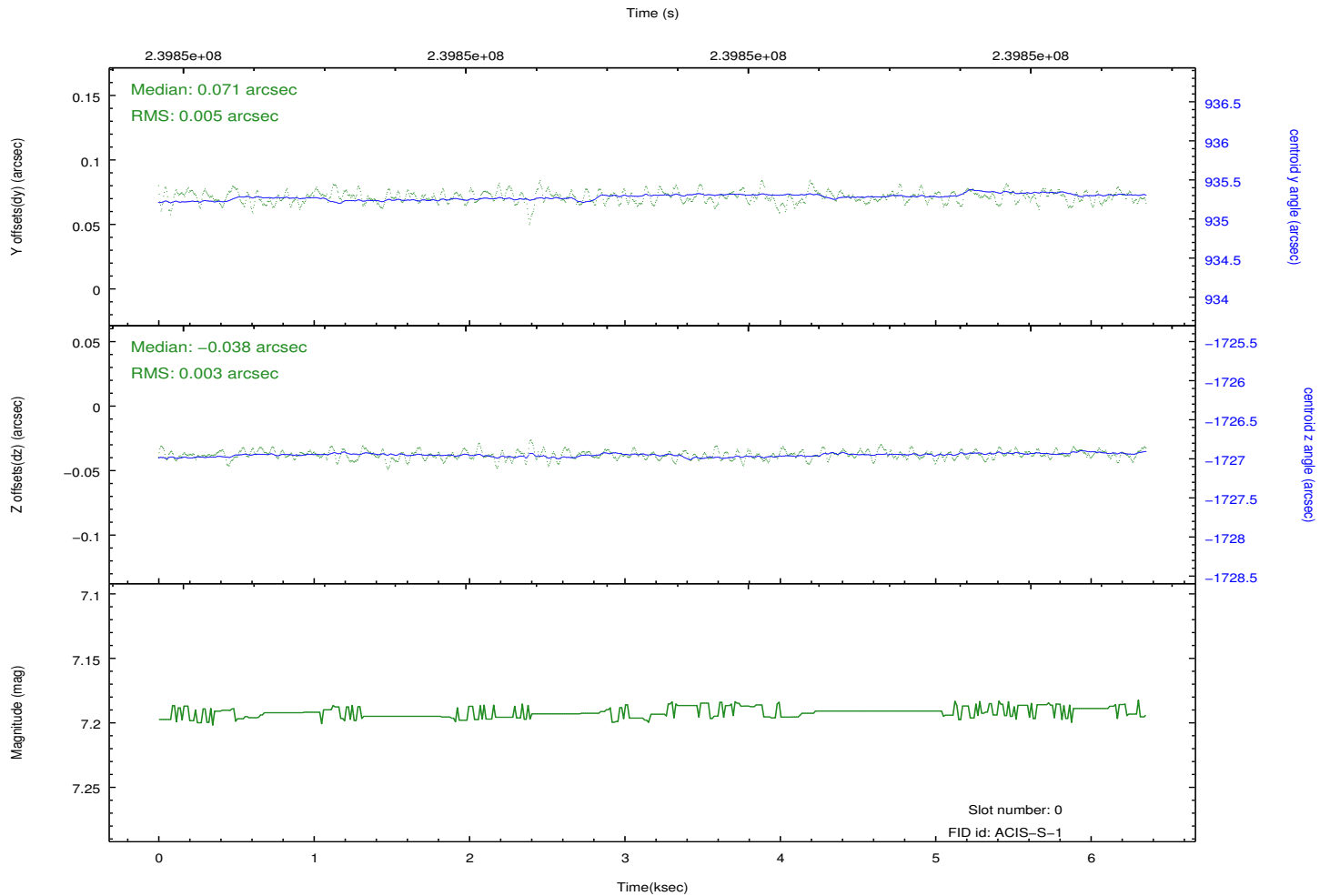
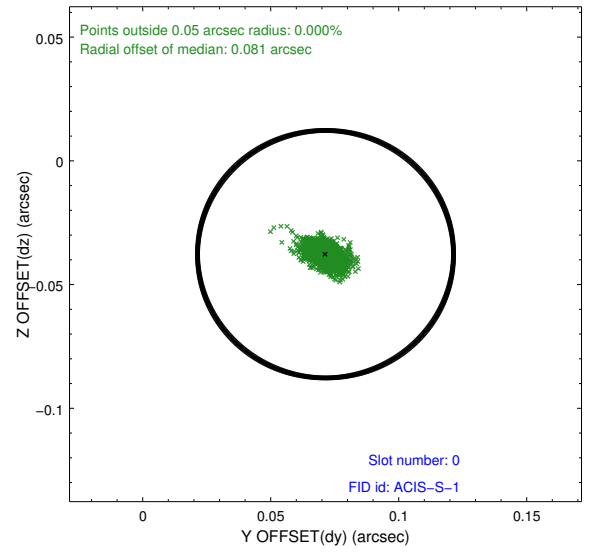
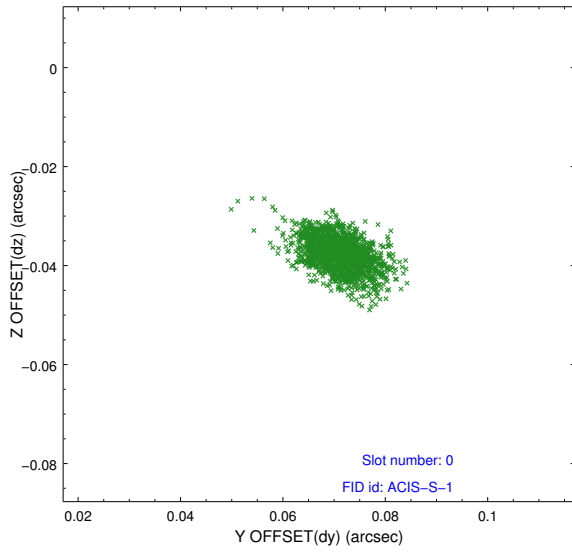


2.4.5 Slot 7

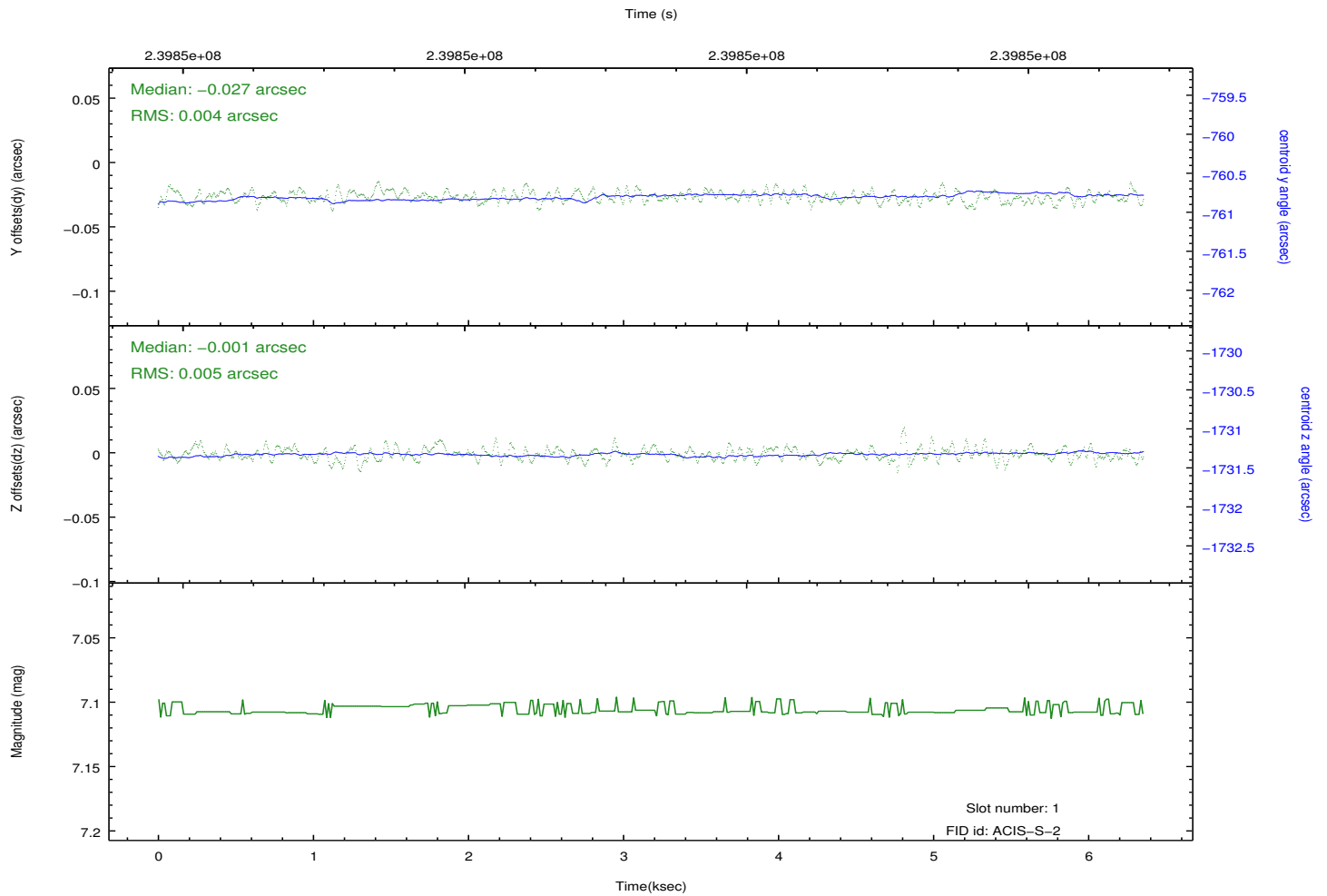
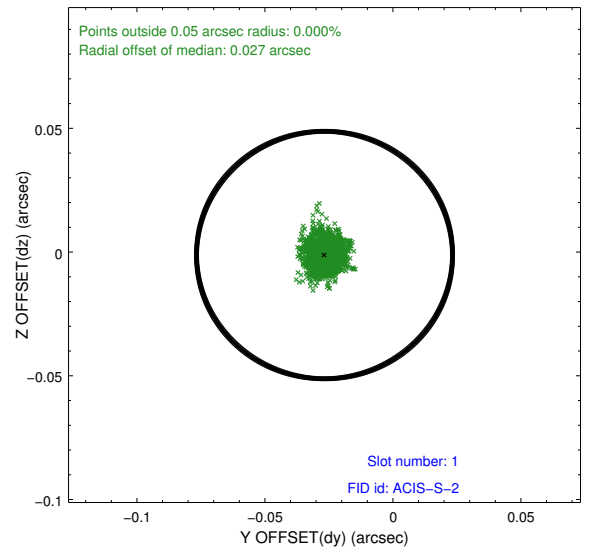
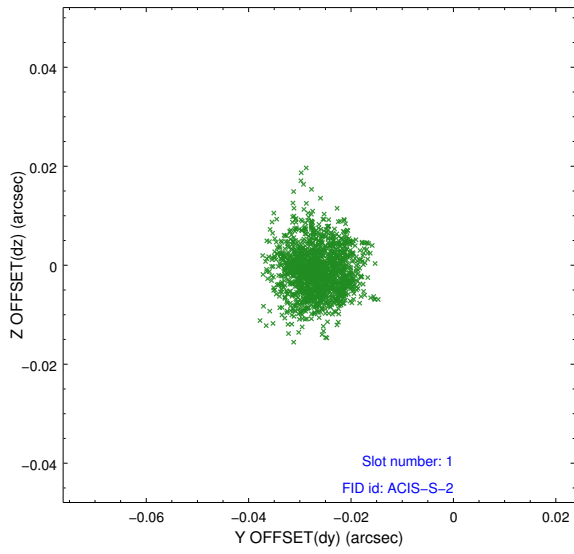


2.5 FID Slots

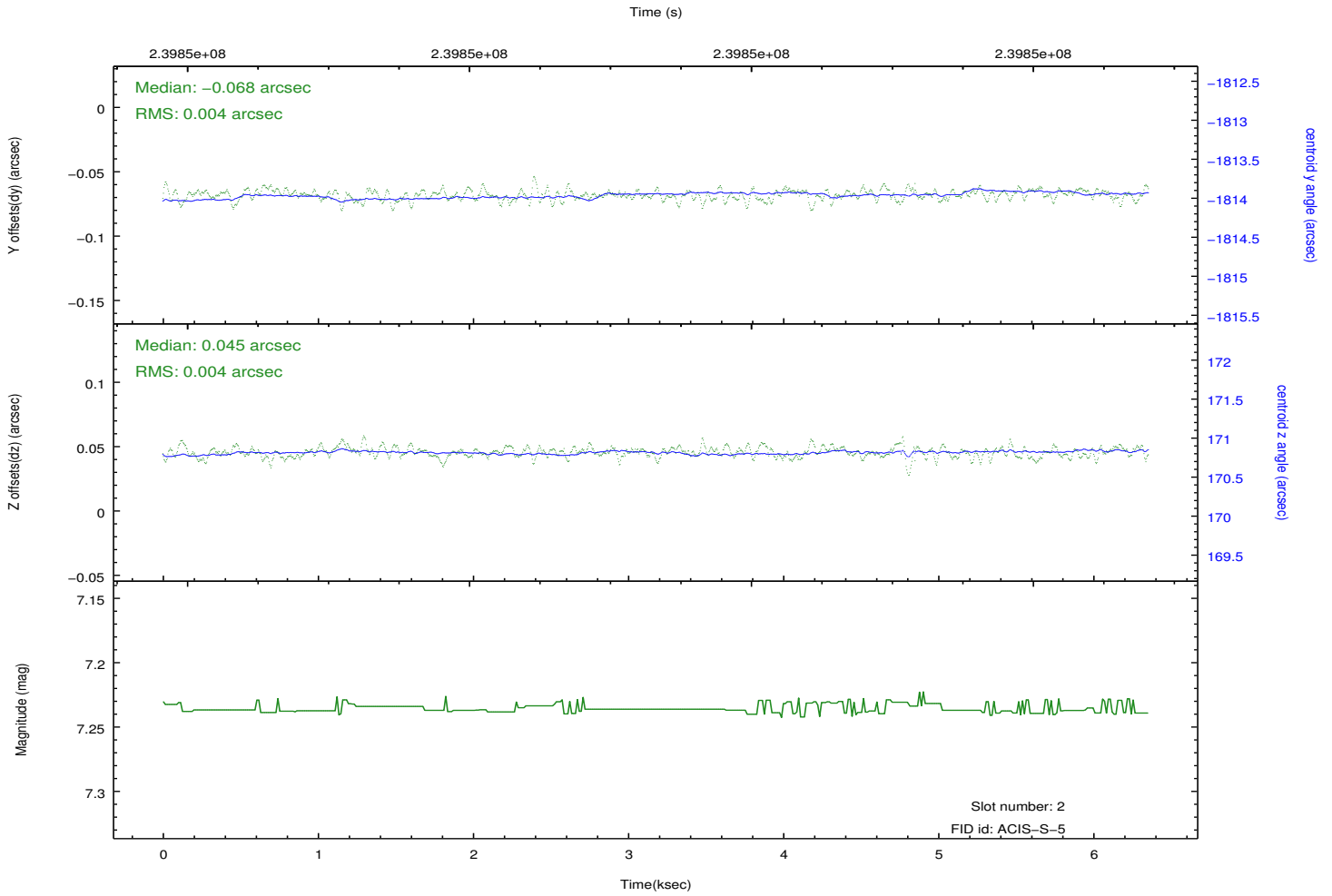
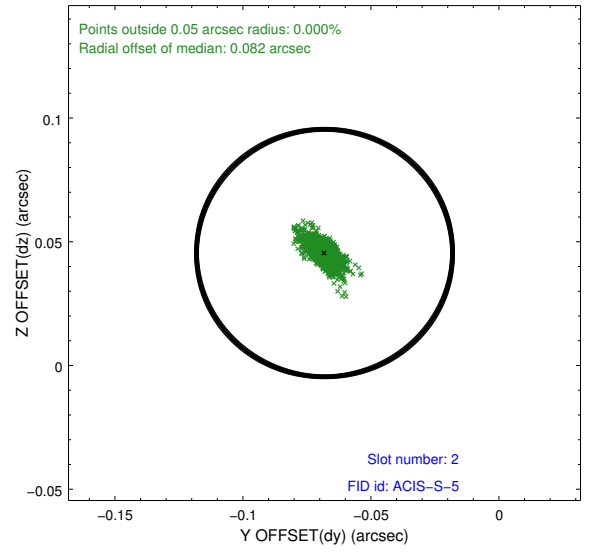
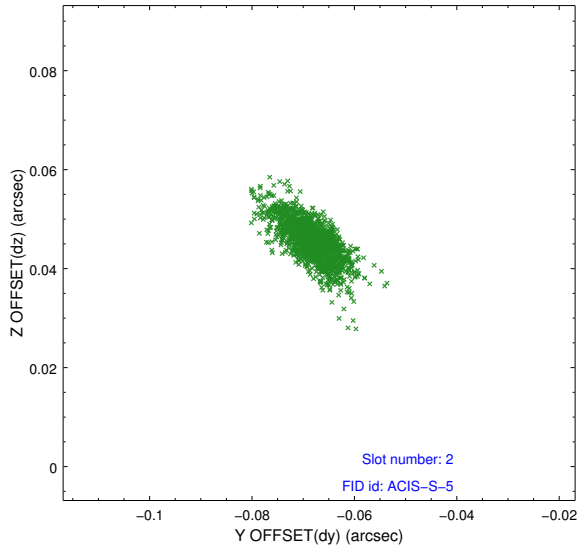
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2488

A.2 Comments

Charge time for this ObsId remains at previous value of 6.2488 ks although with the current processing the charge time would have been 6.35 ksec.

=====

Events were collected on all chips before pointing was stabilized. These events are visible in the Level 1 event file, but are eliminated in the Level 2 event file because they fall outside the valid aspect range.