

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9479 - L2 Version 2
Chandra X-Ray Center

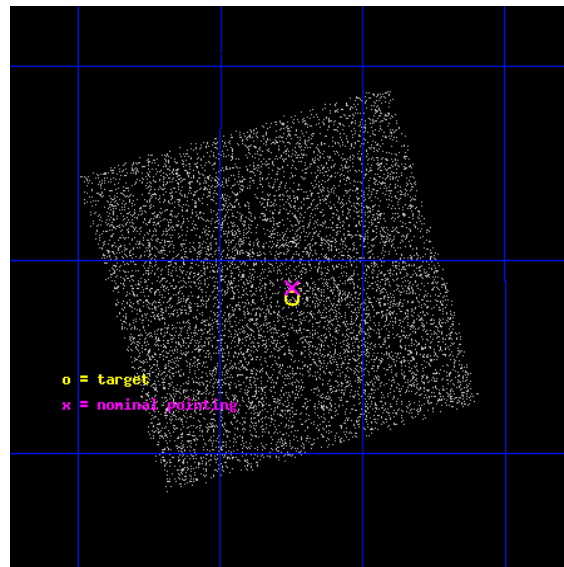
L2 Processing Date : May 30 2012

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1 Front

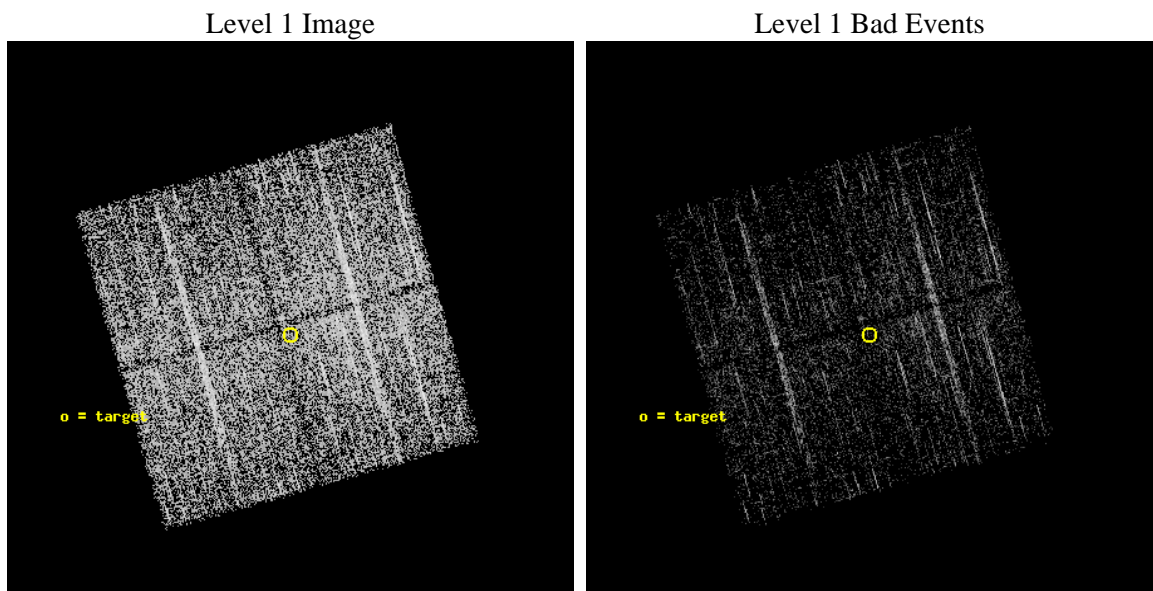
seq_num	900816	Sequence number
obs_id	9479	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	FIRST J113544.7+064805	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.9375	Observer's specified target RA [deg]
dec_targ	6.801389	Observer's specified target Dec [deg]
ra_nom	173.93728298447	Nominal RA [deg]
dec_nom	6.8096304129569	Nominal Dec [deg]
roll_nom	74.115669592078	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2169.9590464234	Sum of GTIs [s]
liveltime	2141.6069339813	Livetime [s]
ontime0	2173.1000167131	Sum of GTIs [s]
ontime1	2173.1000167131	Sum of GTIs [s]
ontime2	2173.1000167131	Sum of GTIs [s]
ontime3	2169.9590464234	Sum of GTIs [s]
l2events	9819	Number of level 2 events



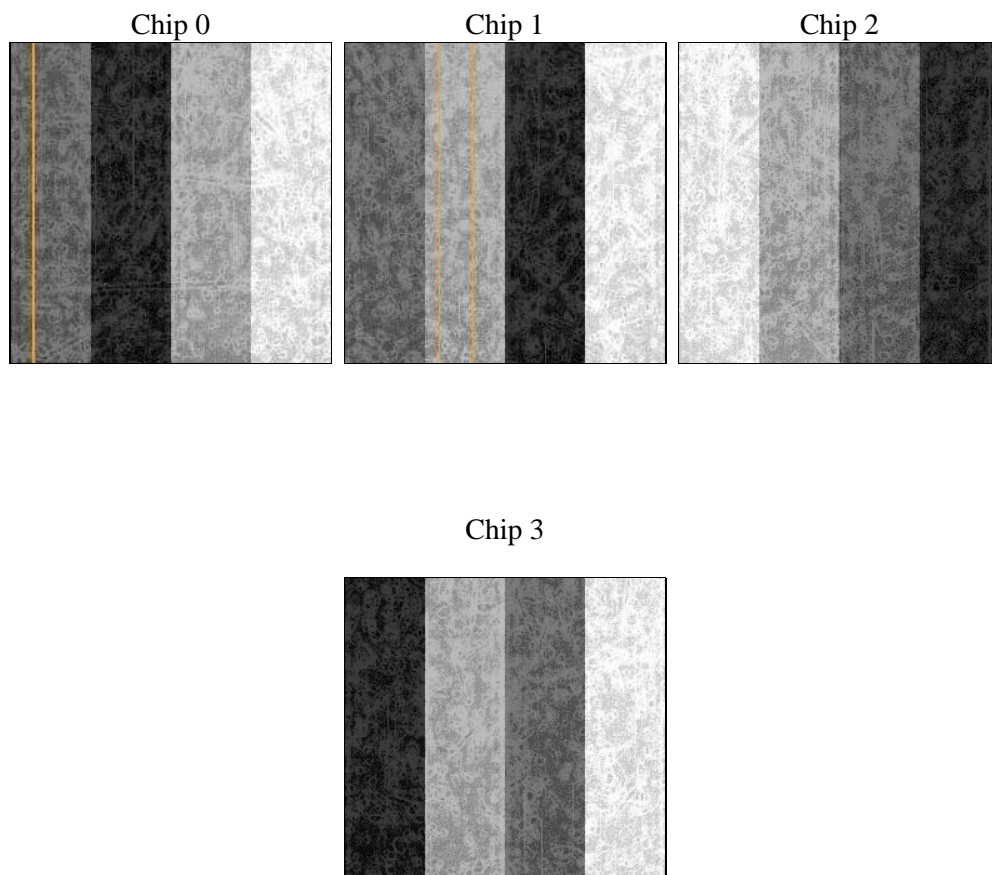
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2169.9590464234	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2173.1000167131	Sum of GTIs [s]
date	2012-05-30T22:59:26	Date and time of file creation	ontime1	2173.1000167131	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2173.1000167131	Sum of GTIs [s]
			ontime3	2169.9590464234	Sum of GTIs [s]
			l1events	95124	Number of level 1 events

2.1.4 Events

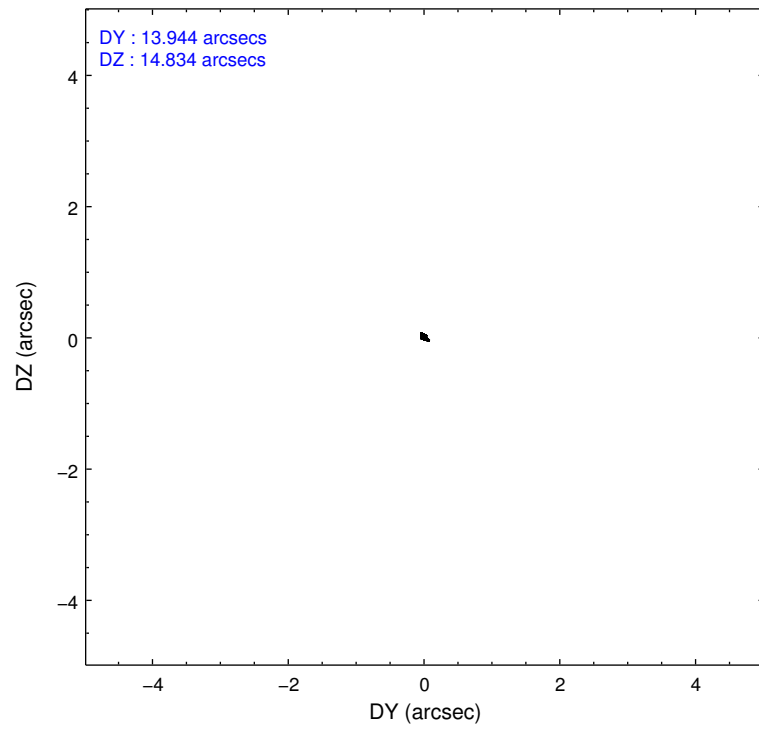
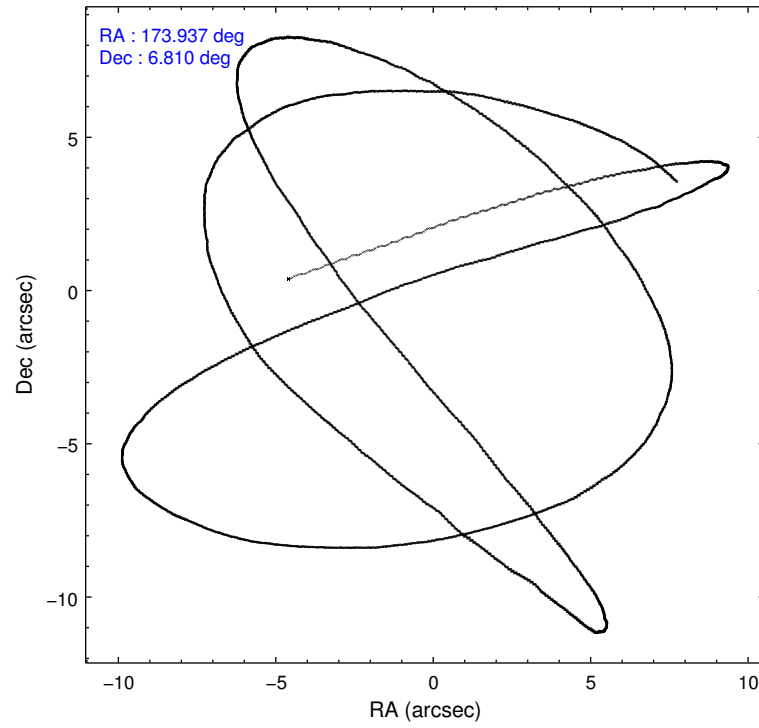
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22176	22154	25429	25365
rejected events	19268	19220	22648	22607
rejected %	86%	86%	89%	89%

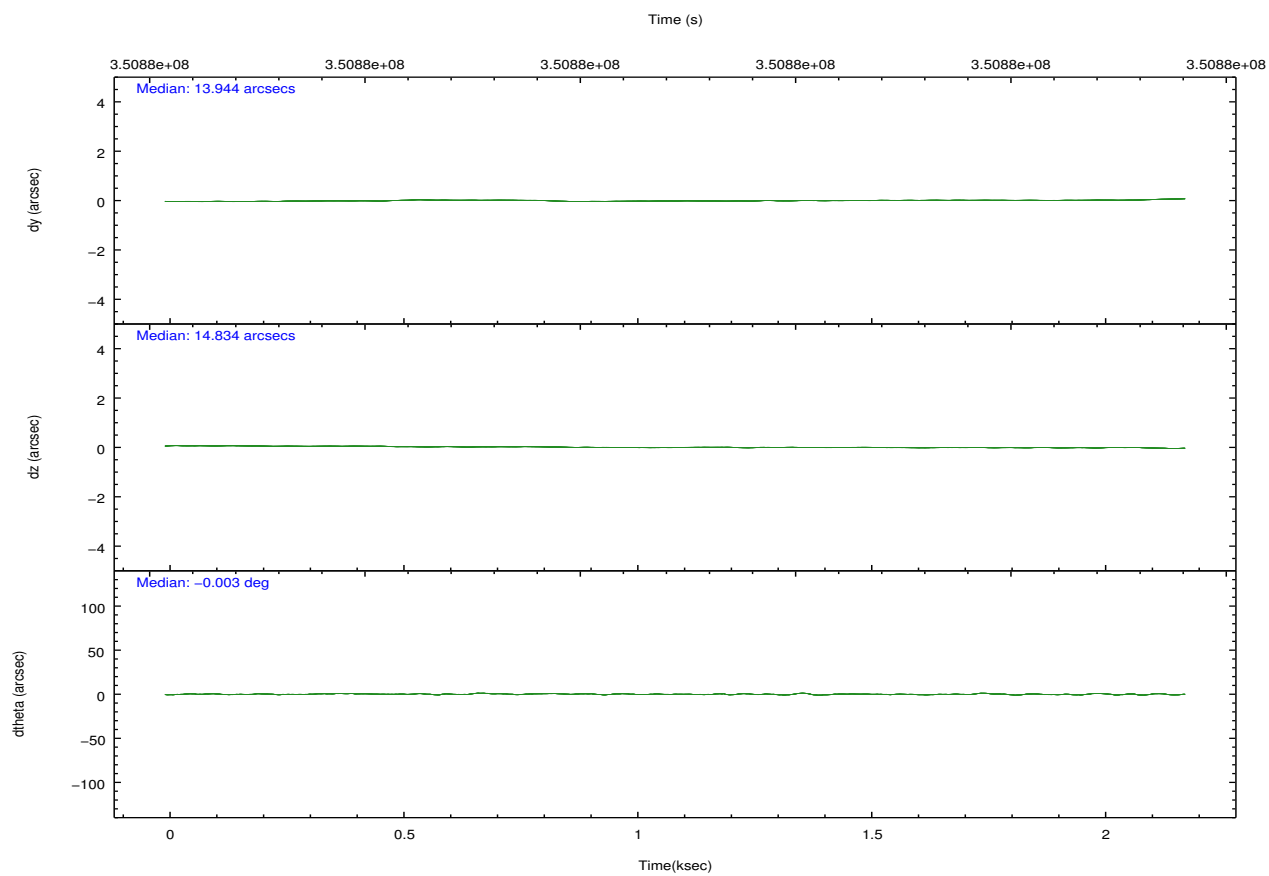
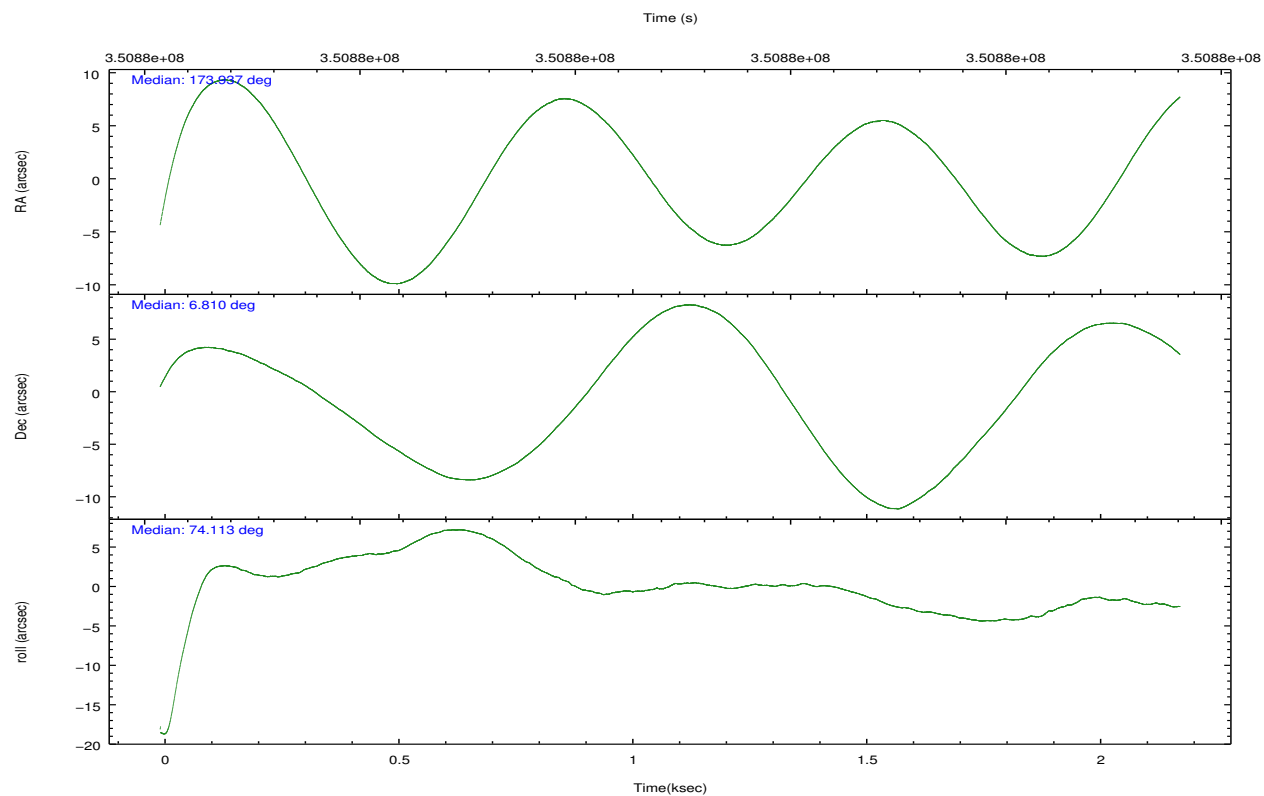
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1320	1162	1379	1330
	5%	5%	5%	5%
grade 1 events	13	11	22	16
	0%	0%	0%	0%
grade 2 events	728	774	641	615
	3%	3%	2%	2%
grade 3 events	306	309	281	271
	1%	1%	1%	1%
grade 4 events	257	307	270	272
	1%	1%	1%	1%
grade 5 events	1043	1069	1003	1159
	4%	4%	3%	4%
grade 6 events	578	650	495	548
	2%	2%	1%	2%
grade 7 events	17931	17872	21338	21154
	80%	80%	83%	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	173.944160	173.937282984472	Subarray requested	NONE	NONE
[deg] Pointing Dec	6.782827	6.809630412956881	Alternating exposures requested	N	N
[deg] Pointing Roll	73.906292	74.11566959207777	[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)	350881801.184000	350880767.63217			
Observation start date	2009-02-13T03:08:55	2009-02-13T02:52:47			
[s] Observation end time (MET)	350883801.184000	350884173.70734			
Observation end date	2009-02-13T03:42:15	2009-02-13T03:49:33			
Read mode	TIMED	TIMED			

2.3 Aspect



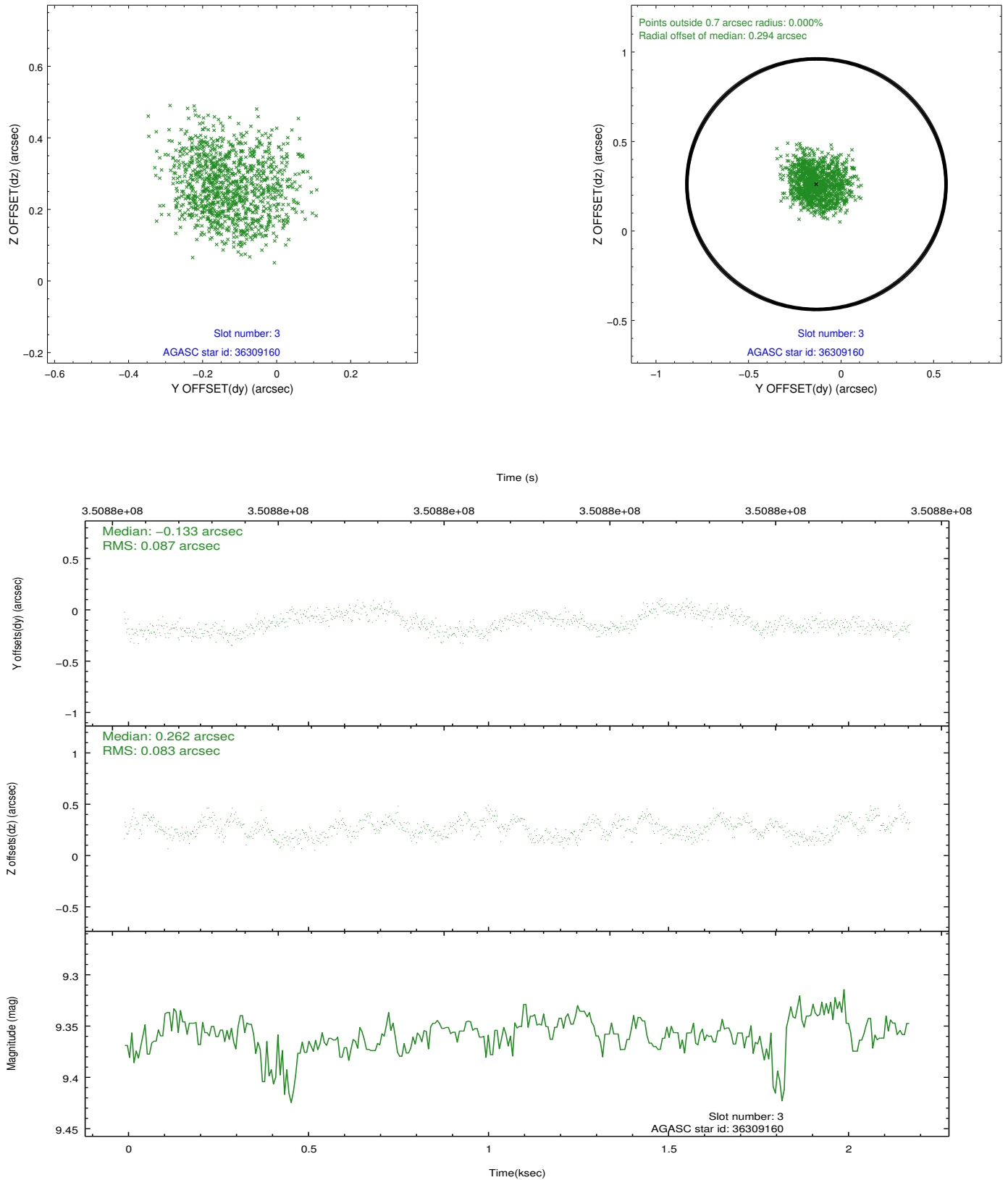


Slot Statistics

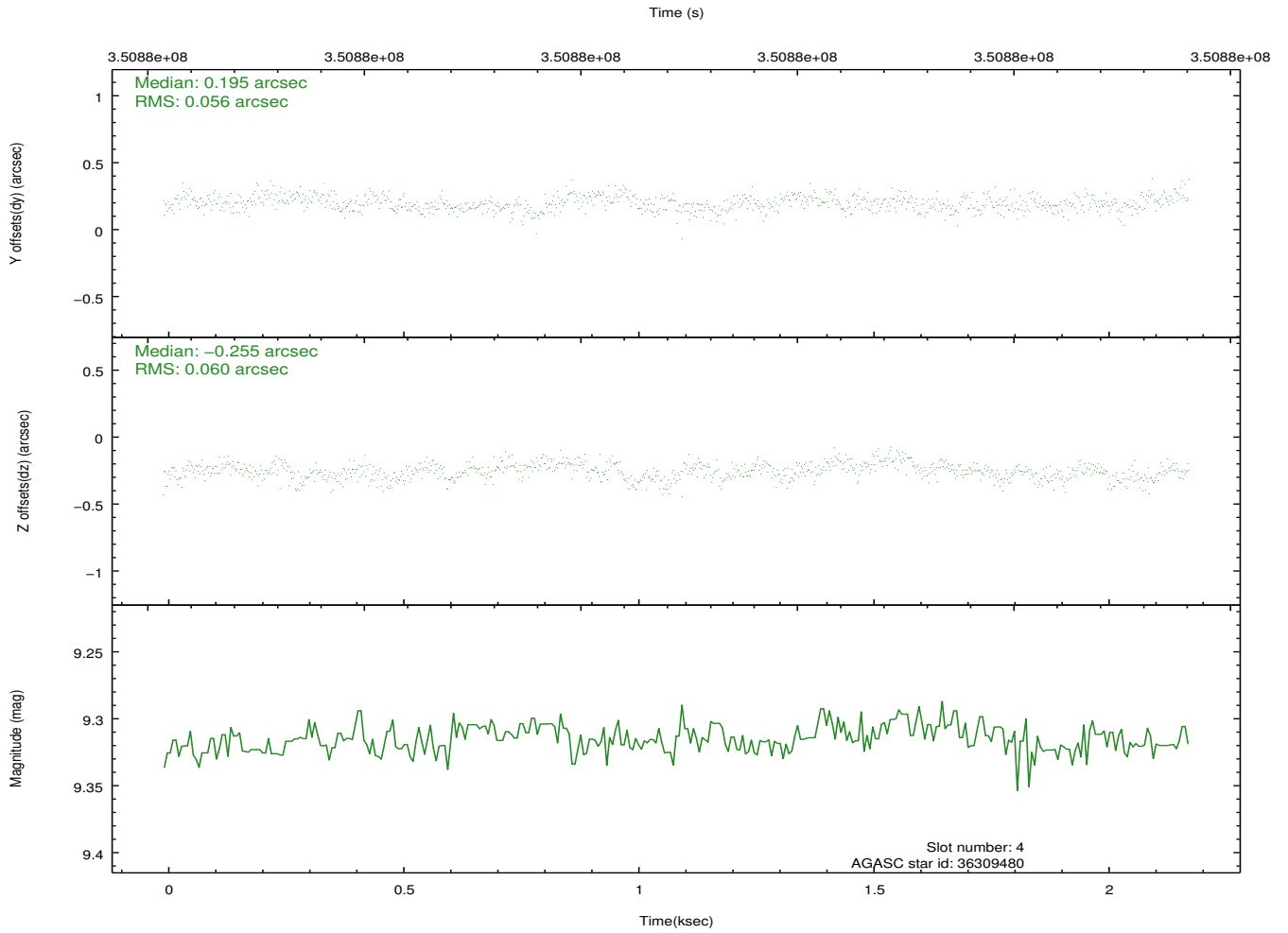
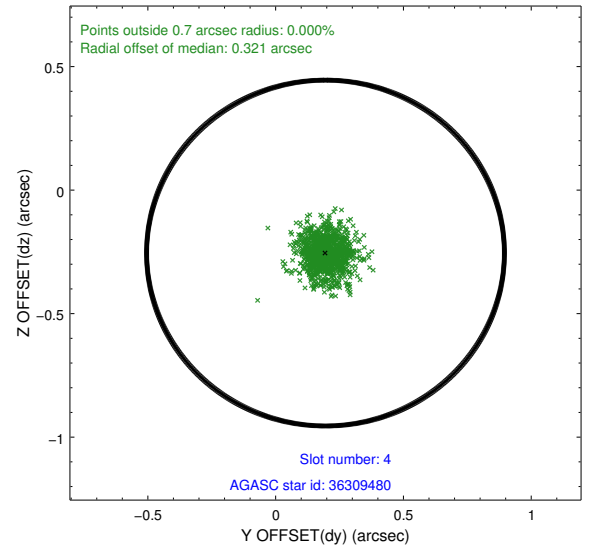
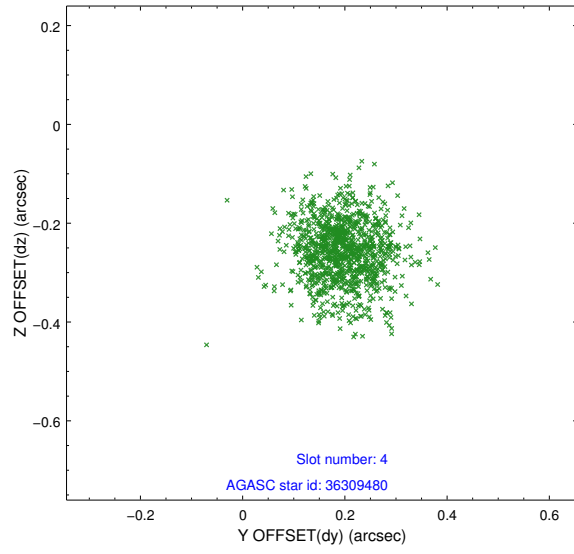
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	532	0.022	0.018	0.012	0.023	0.000000	0.000000	925.58	-838.41
1	FID	ACIS-I-5	7.05	532	-0.196	0.035	0.010	0.018	0.000000	0.000000	-1821.11	1057.56
2	FID	ACIS-I-6	7.05	532	0.082	0.016	0.009	0.015	0.000000	0.000000	387.90	1705.46
3	GUIDE	36309160	9.36	1062	-0.133	0.262	0.133	0.197	174.450728	6.683120	157.87	-1839.16
4	GUIDE	36309480	9.32	1065	0.195	-0.255	0.086	0.148	173.738658	6.280127	-1942.15	203.24
5	GUIDE	36310104	6.73	1065	0.050	-0.027	0.081	0.126	174.142339	6.106439	-2145.96	-1355.89
6	GUIDE	36310336	9.07	1063	-0.158	-0.056	0.241	0.337	174.435602	6.847810	710.24	-1623.87
7	GUIDE	36313184	8.88	1063	0.058	0.075	0.135	0.197	173.892444	6.521607	-954.42	-85.55

2.4 Star Slots

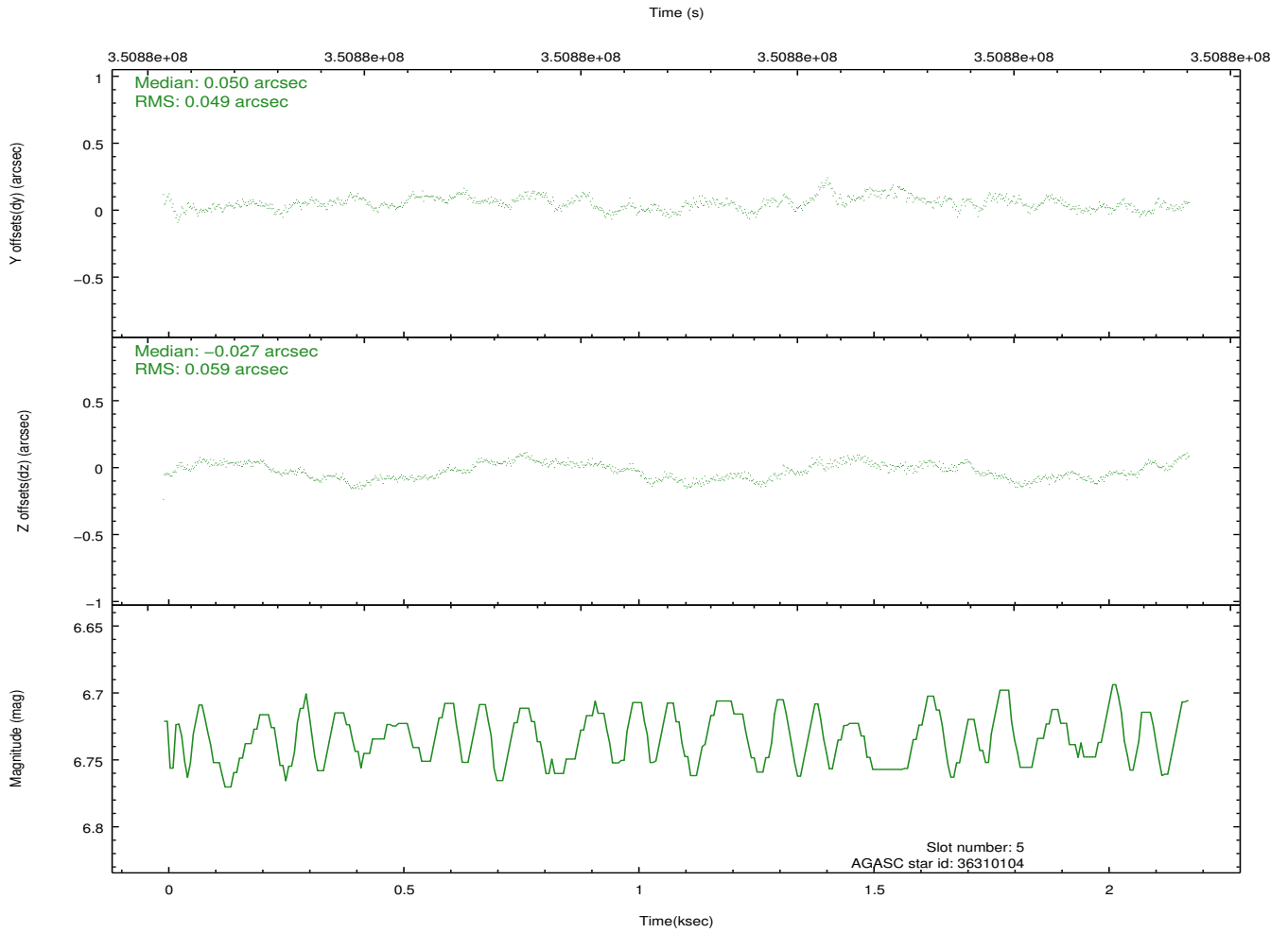
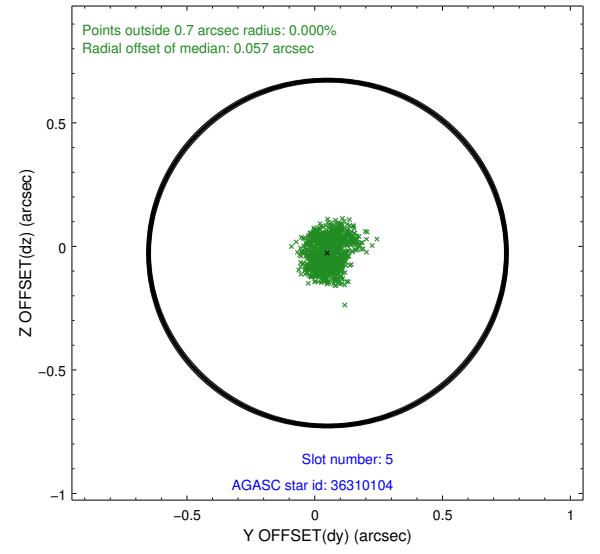
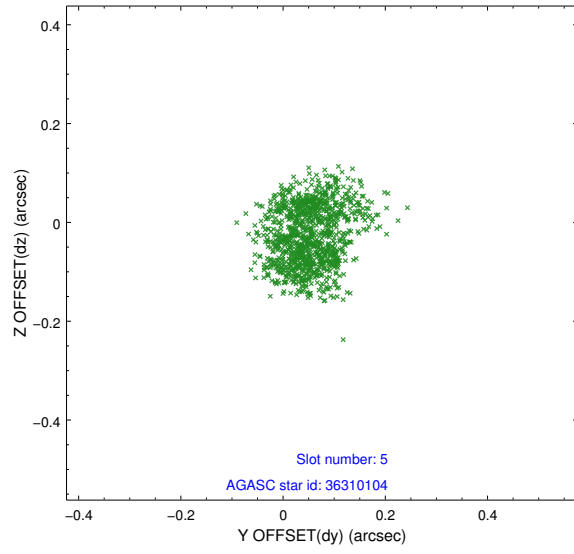
2.4.1 Slot 3



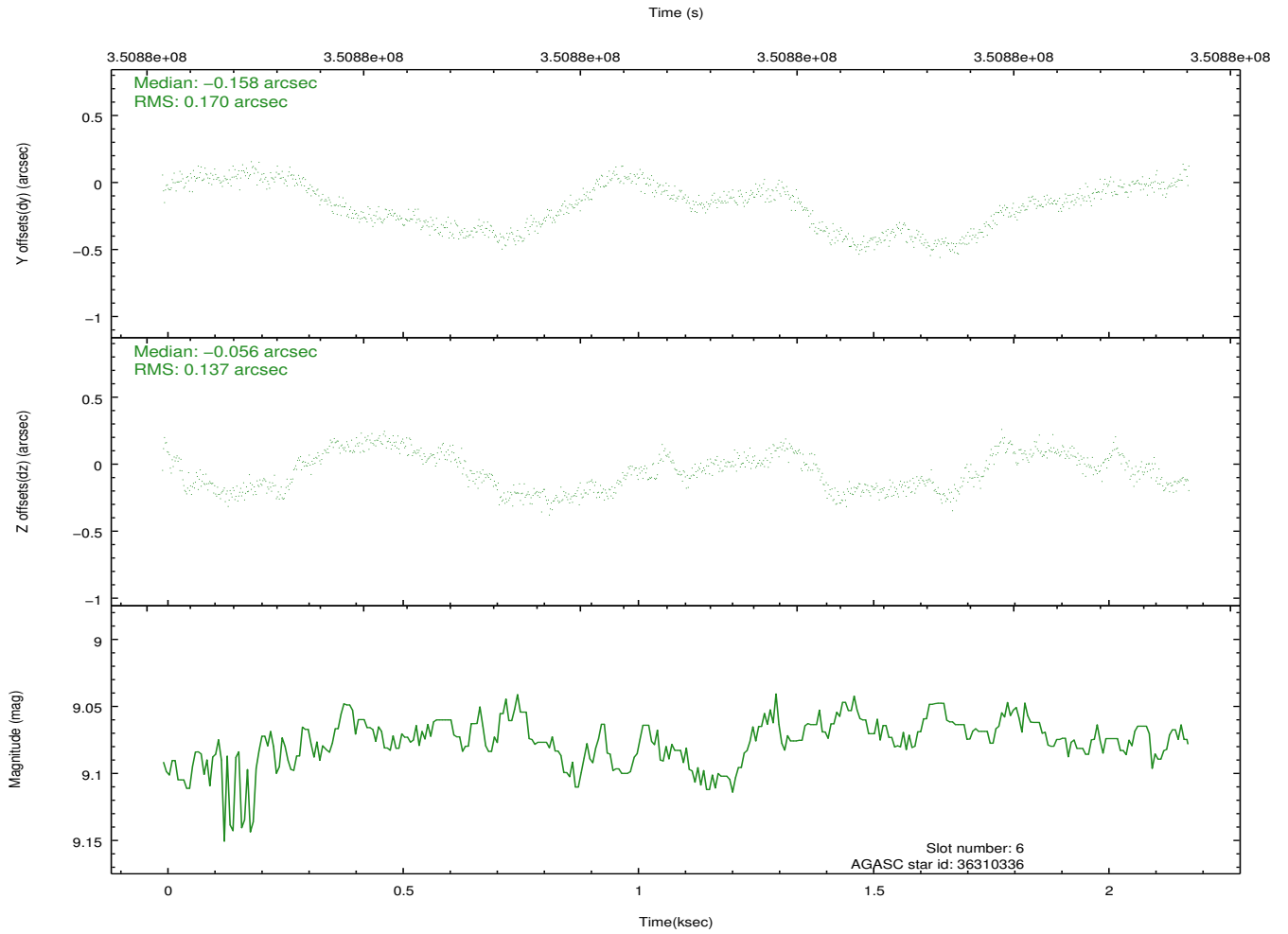
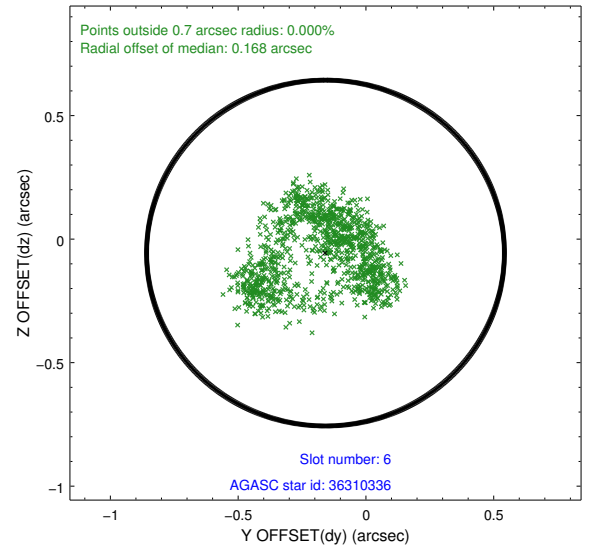
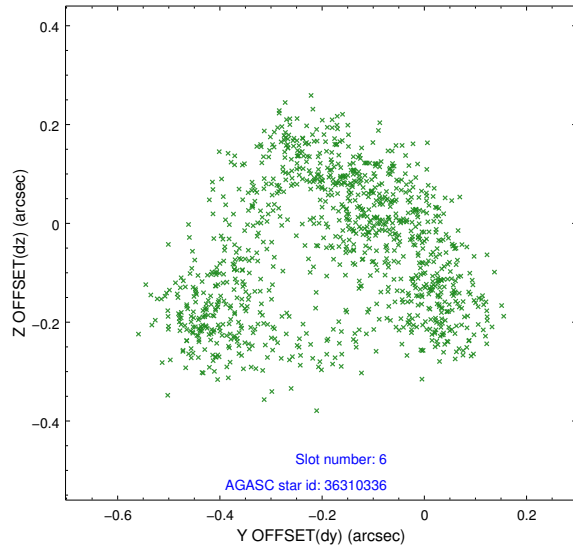
2.4.2 Slot 4



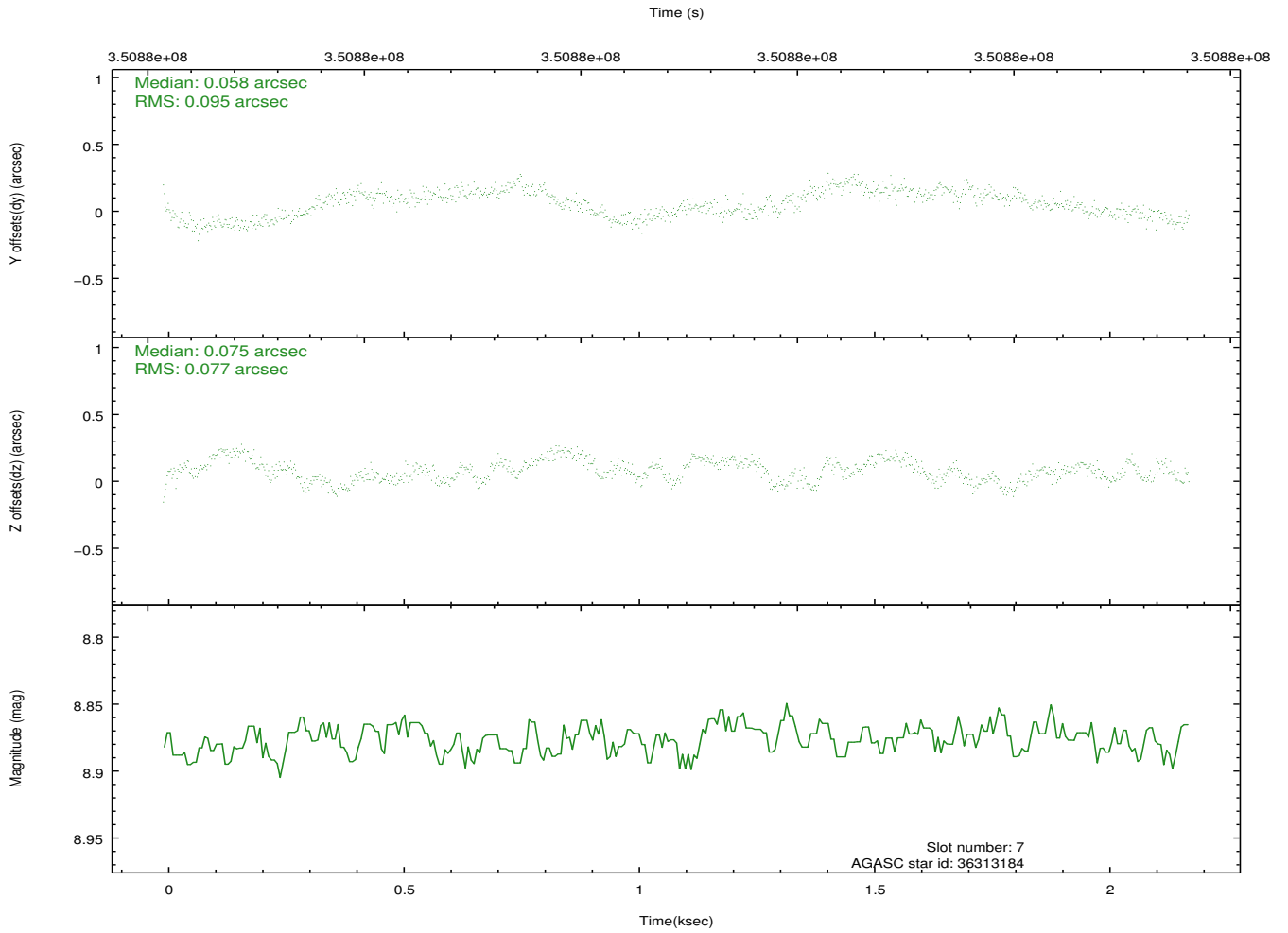
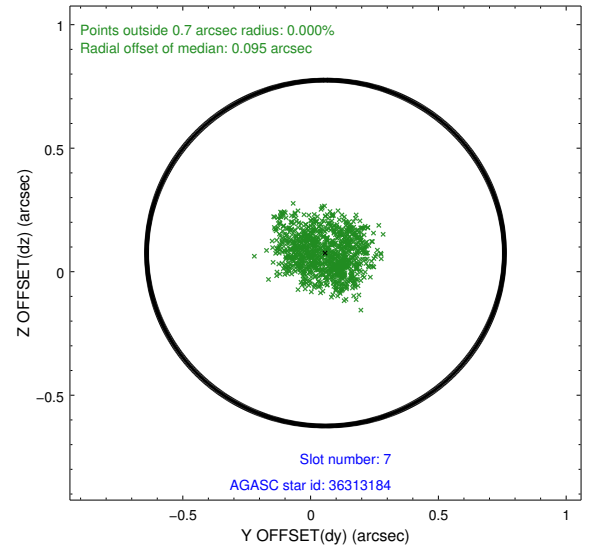
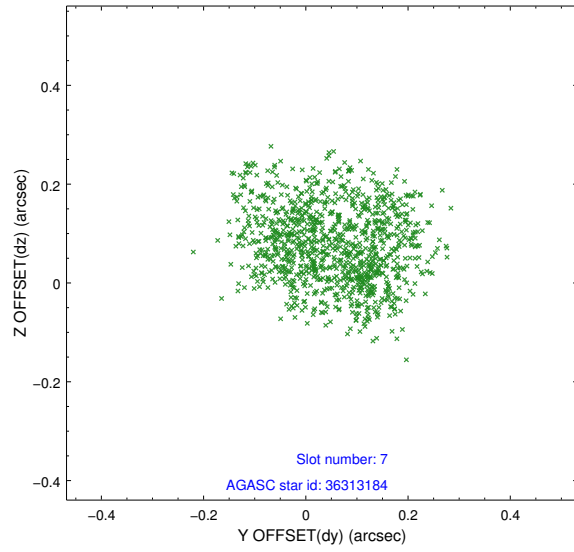
2.4.3 Slot 5



2.4.4 Slot 6

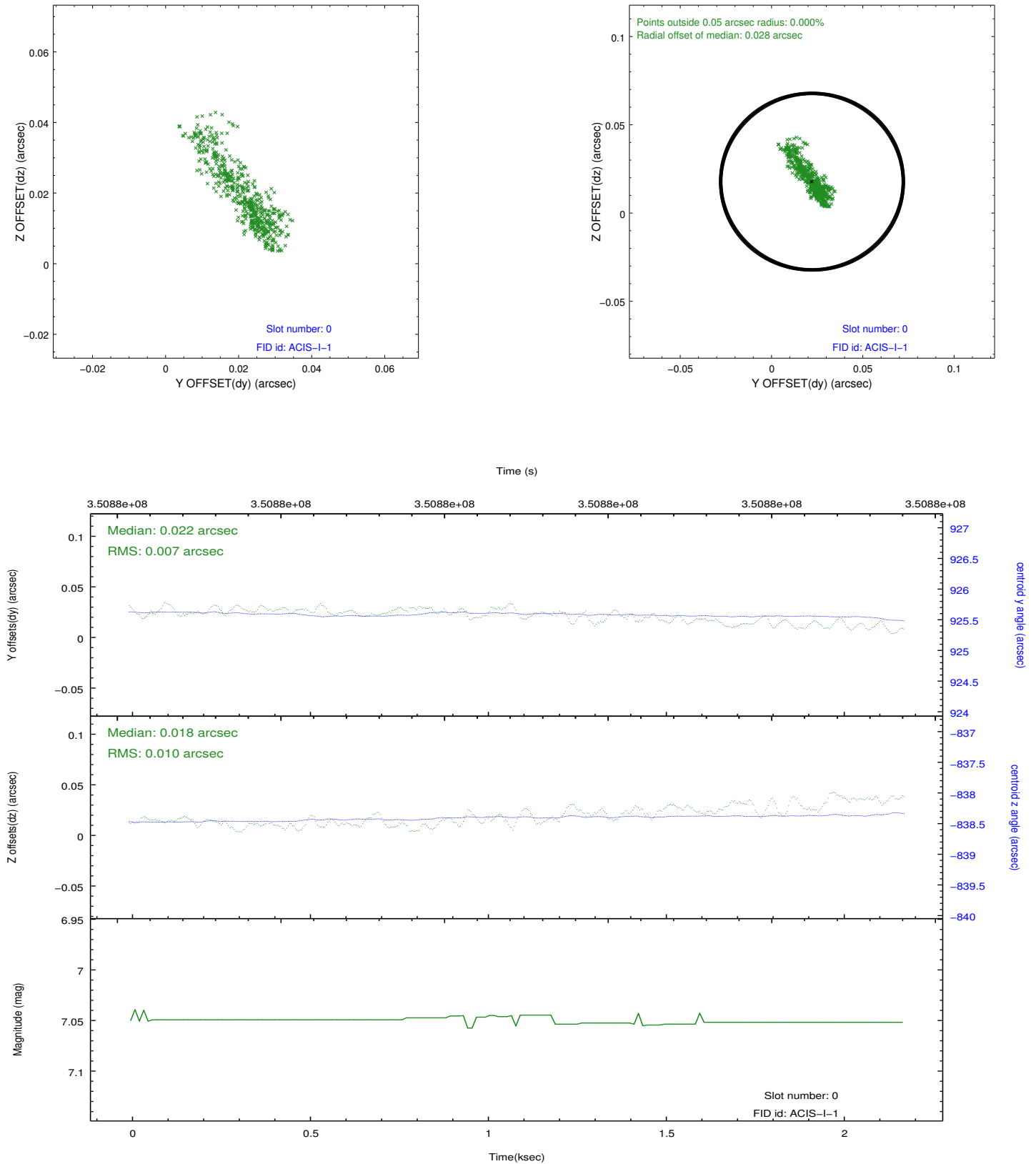


2.4.5 Slot 7

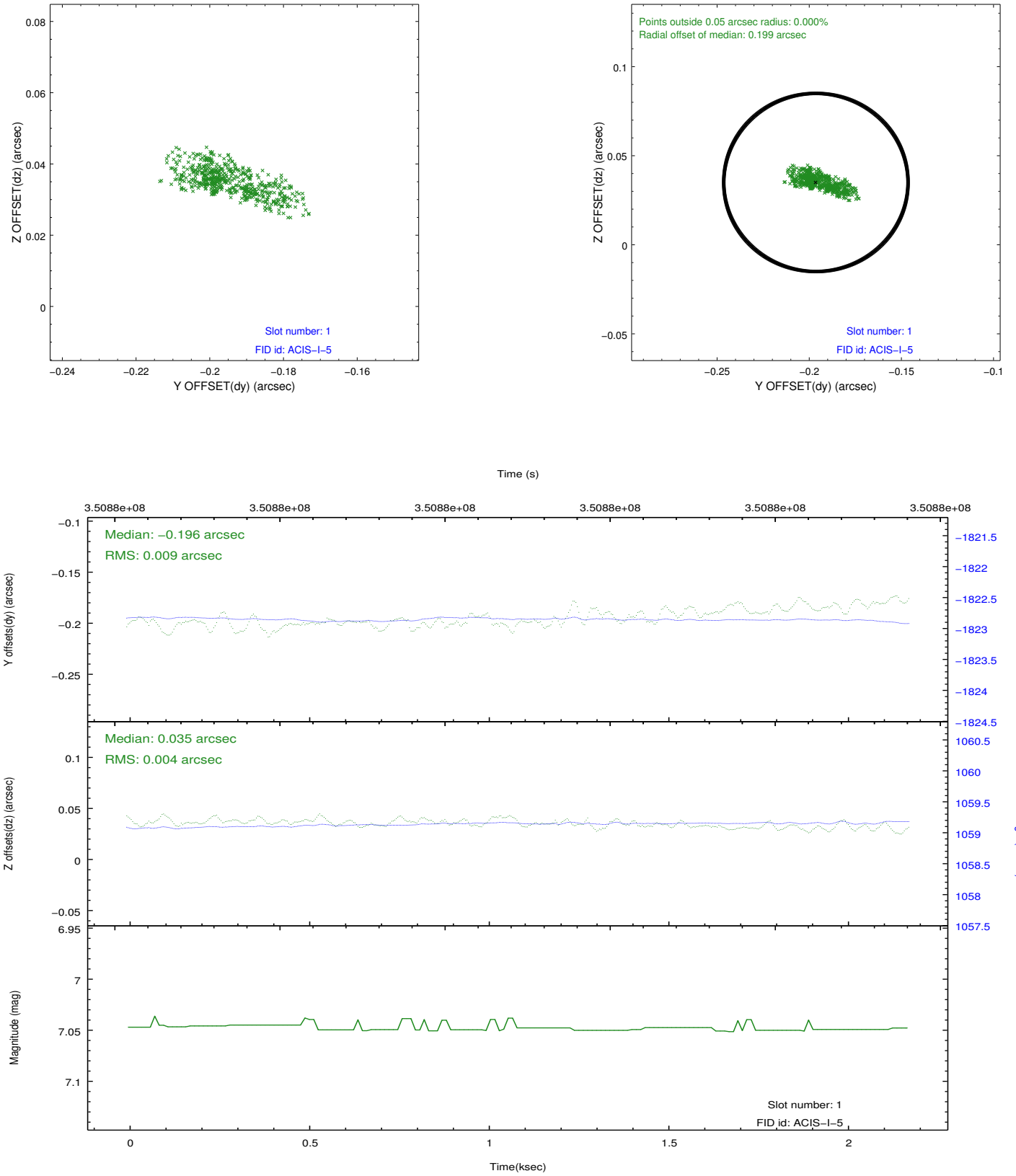


2.5 FID Slots

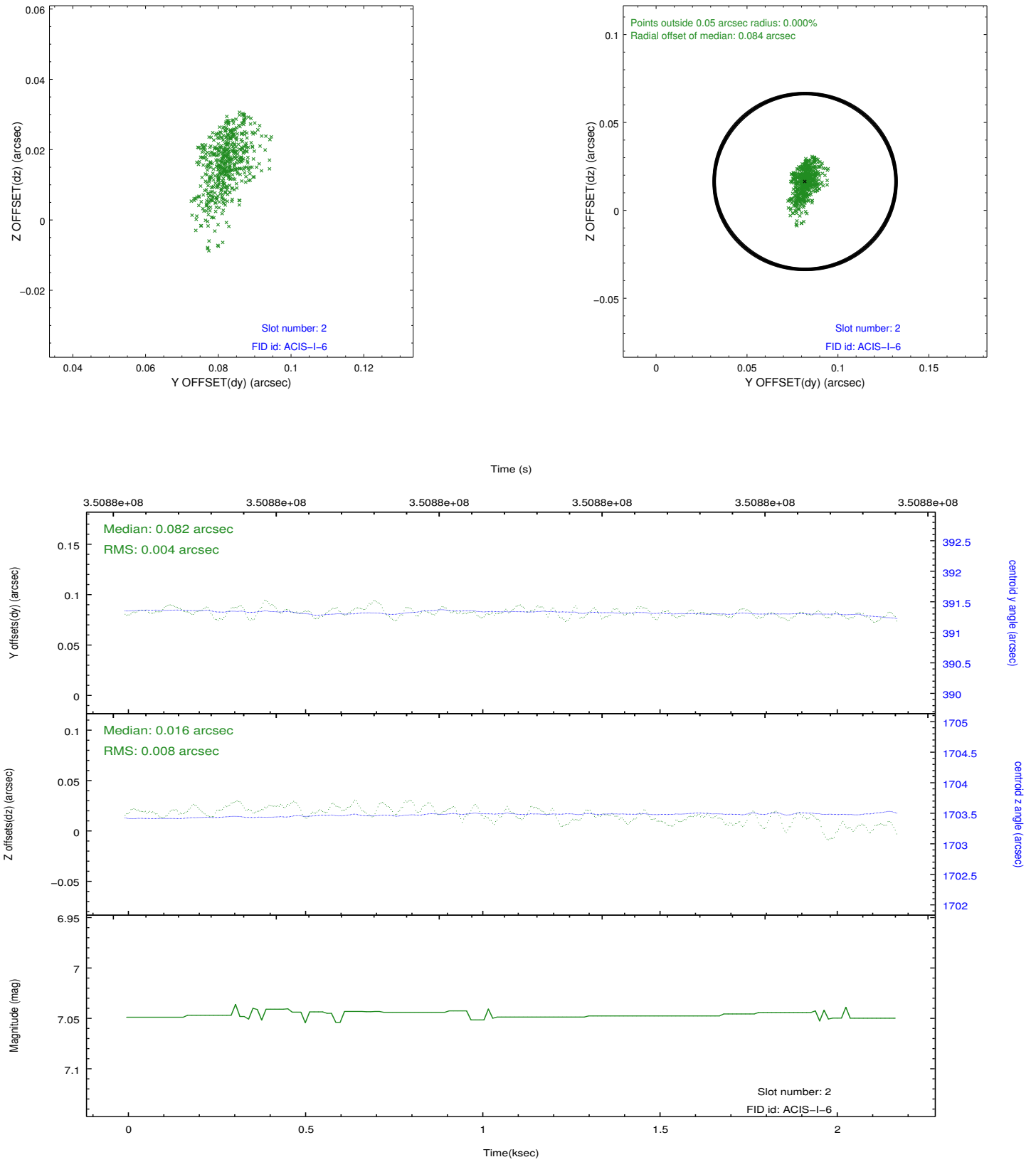
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.16995904

A.2 Comments