

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12997 - L2 Version 2
Chandra X-Ray Center

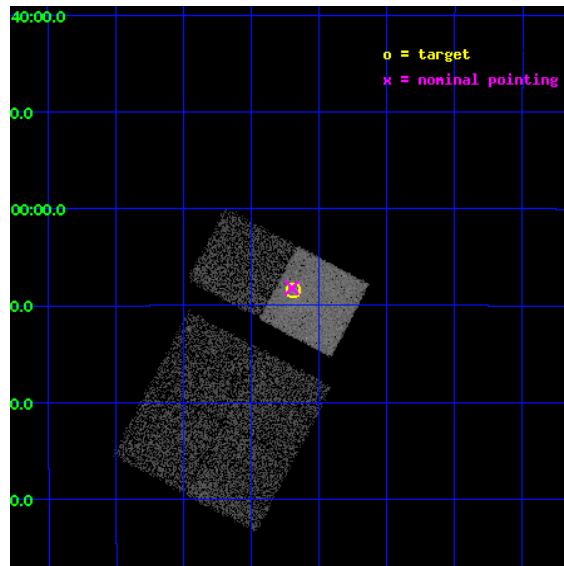
L2 Processing Date : Jul 5 2012

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1 Front

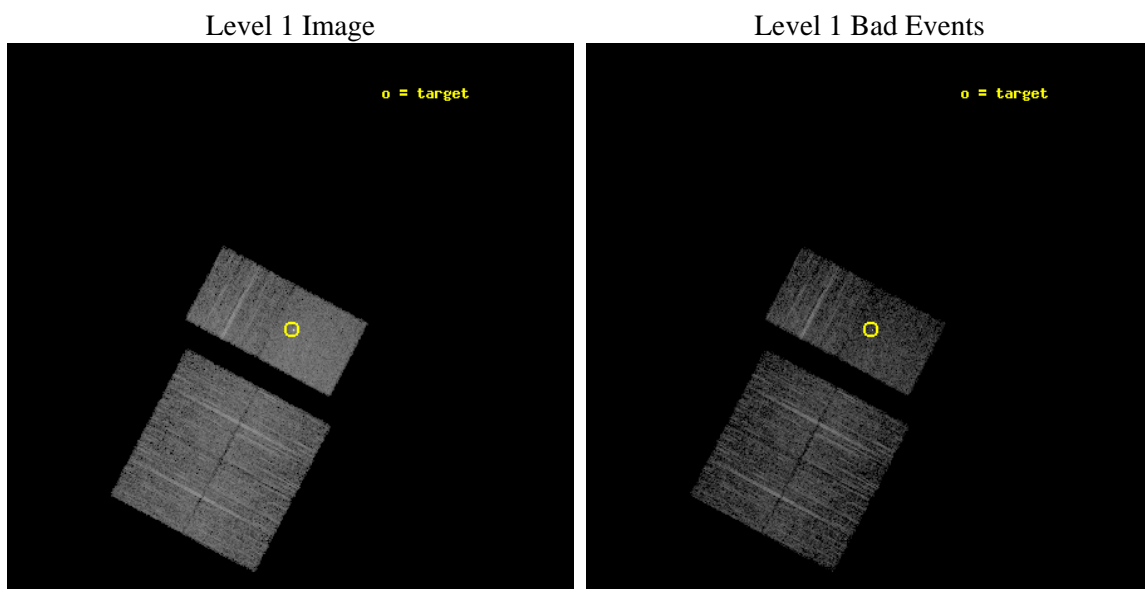
seq_num	600961	Sequence number
obs_id	12997	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J022441.4-190826	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	36.1725	Observer's specified target RA [deg]
dec_targ	-19.140556	Observer's specified target Dec [deg]
ra_nom	36.17516819796	Nominal RA [deg]
dec_nom	-19.136387247008	Nominal Dec [deg]
roll_nom	27.810636065756	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4959.9999815822	Sum of GTIs [s]
livetime	4897.1934752619	Livetime [s]
ontime0	4959.9999815822	Sum of GTIs [s]
ontime1	4959.9999815822	Sum of GTIs [s]
ontime2	4959.9999815822	Sum of GTIs [s]
ontime3	4959.9999815822	Sum of GTIs [s]
ontime6	4959.9999815822	Sum of GTIs [s]
ontime7	4959.9999815822	Sum of GTIs [s]
l2events	37050	Number of level 2 events



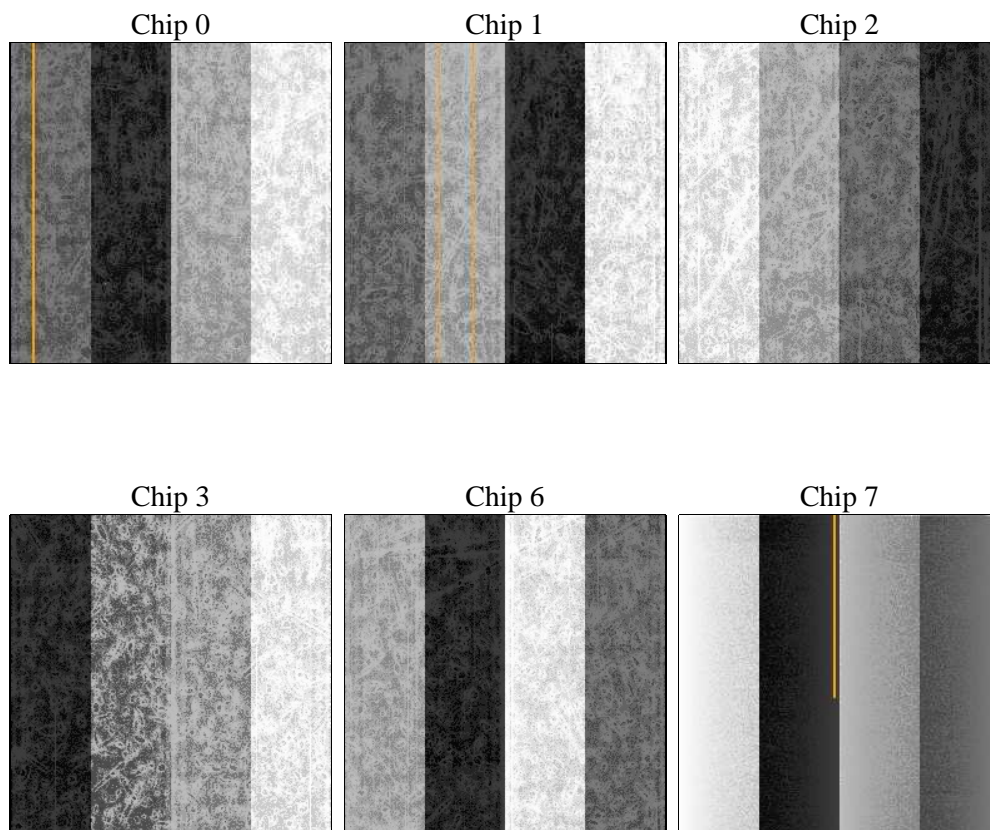
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4959.9999815822	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	4959.9999815822	Sum of GTIs [s]
date	2012-07-05T05:27:01	Date and time of file creation	ontime1	4959.9999815822	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4959.9999815822	Sum of GTIs [s]
			ontime3	4959.9999815822	Sum of GTIs [s]
			ontime6	4959.9999815822	Sum of GTIs [s]
			ontime7	4959.9999815822	Sum of GTIs [s]
			l1events	218852	Number of level 1 events

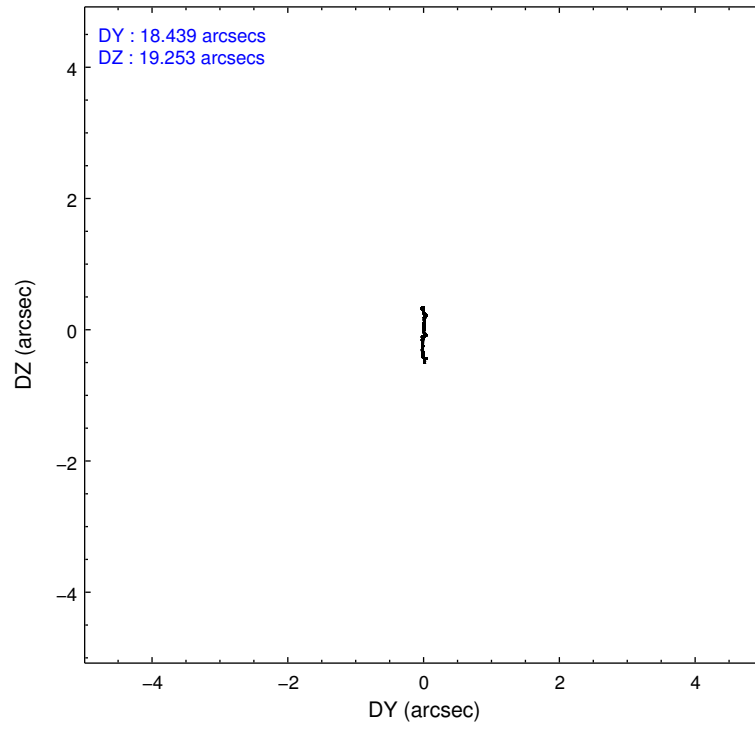
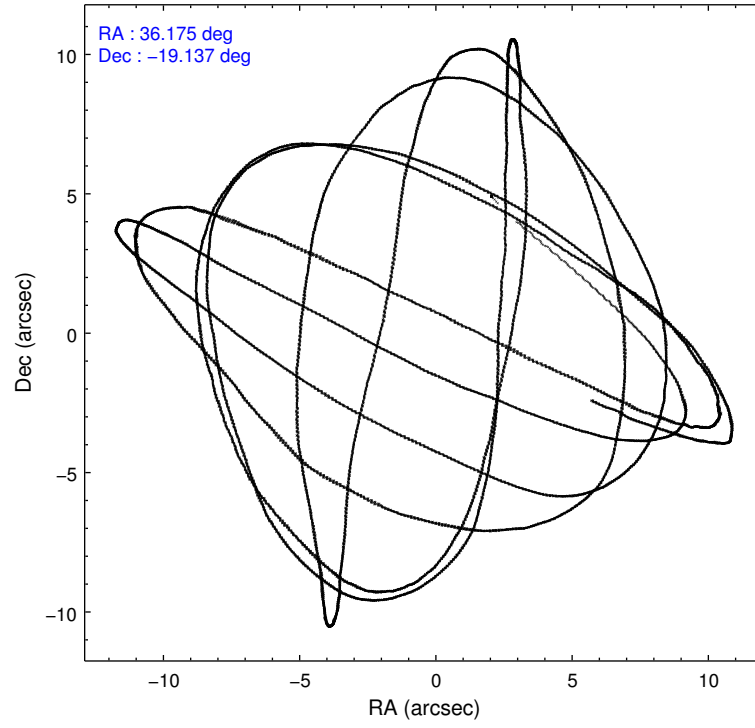
2.1.4 Events

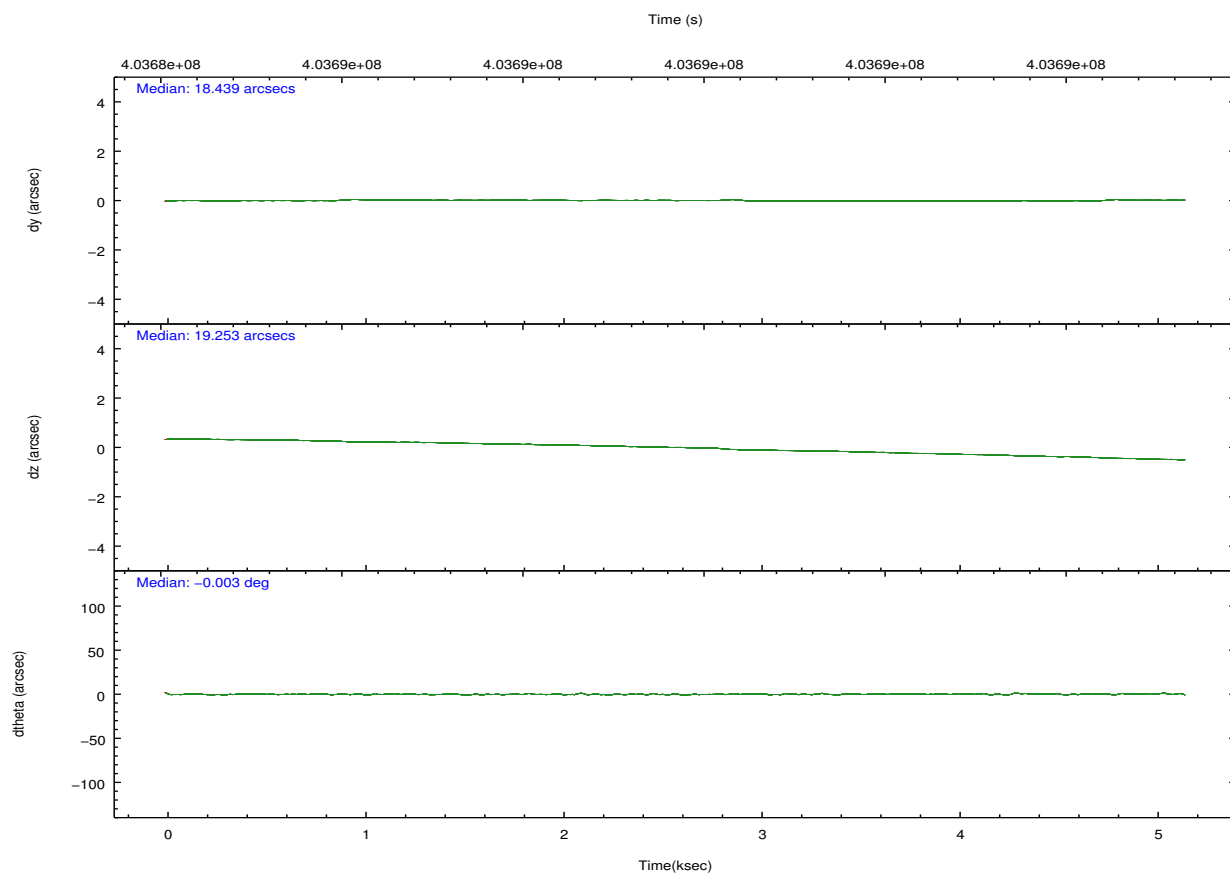
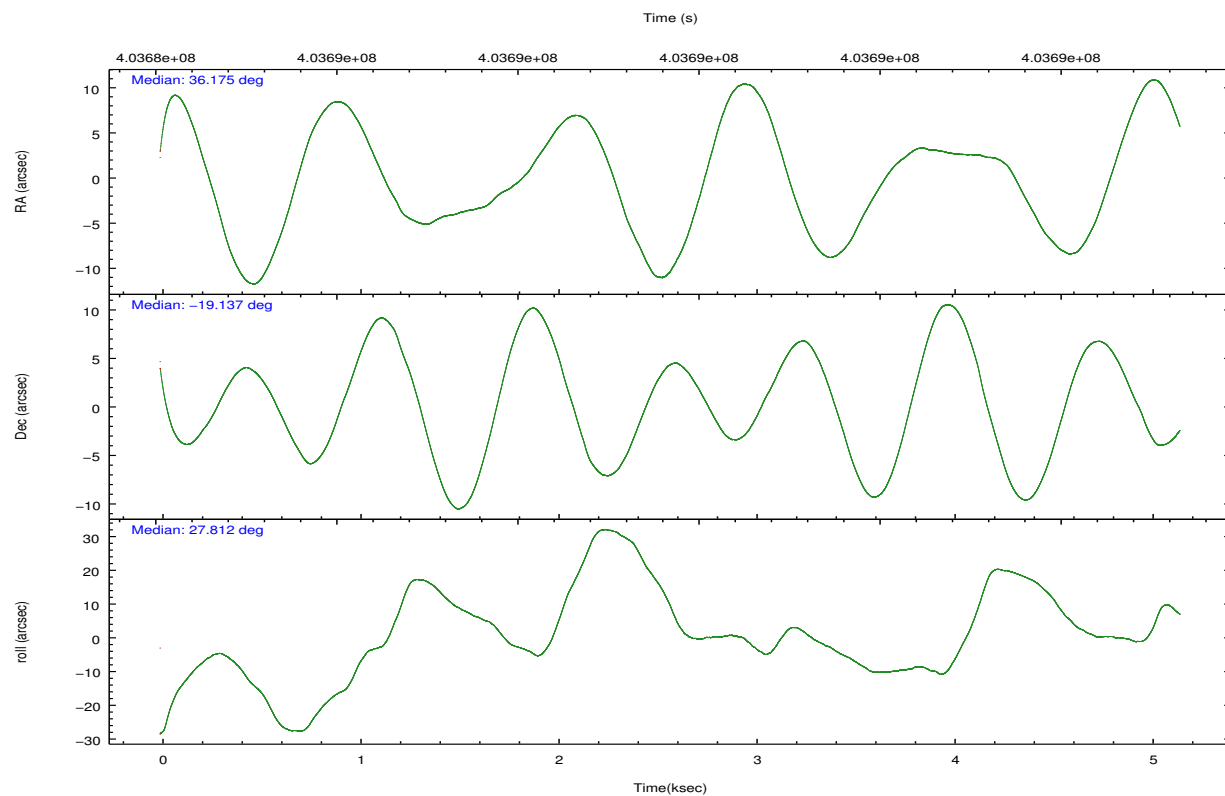
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	32964	34208	33953	35842	35926	45959	grade 0 events	1302	1547	1338	1260	1415	2139
rejected events	29051	29831	30343	32163	31832	24867		3%	4%	3%	3%	3%	4%
rejected %	88%	87%	89%	89%	88%	54%	grade 1 events	23	21	12	22	24	99
								0%	0%	0%	0%	0%	0%
							grade 2 events	1040	1031	854	827	928	4341
								3%	3%	2%	2%	2%	9%
							grade 3 events	416	482	370	426	405	1900
								1%	1%	1%	1%	1%	4%
							grade 4 events	406	430	363	403	450	1870
								1%	1%	1%	1%	1%	4%
							grade 5 events	1504	1562	1363	1592	1596	4761
								4%	4%	4%	4%	4%	10%
							grade 6 events	752	888	688	764	898	10850
								2%	2%	2%	2%	2%	23%
							grade 7 events	27521	28247	28965	30548	30210	19999
								83%	82%	85%	85%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	36.160023	36.17516819795977	Subarray requested	NONE	NONE
[deg] Pointing Dec	-19.159714	-19.13638724700809	Alternating exposures requested	N	N
[deg] Pointing Roll	27.649066	27.81063606575611	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	403685415.184000	403684221.86037			
Observation start date	2010-10-17T06:49:09	2010-10-17T06:30:21			
[s] Observation end time (MET)	403690415.184000	403691456.82324			
Observation end date	2010-10-17T08:12:29	2010-10-17T08:30:56			
Read mode	TIMED	TIMED			

2.3 Aspect



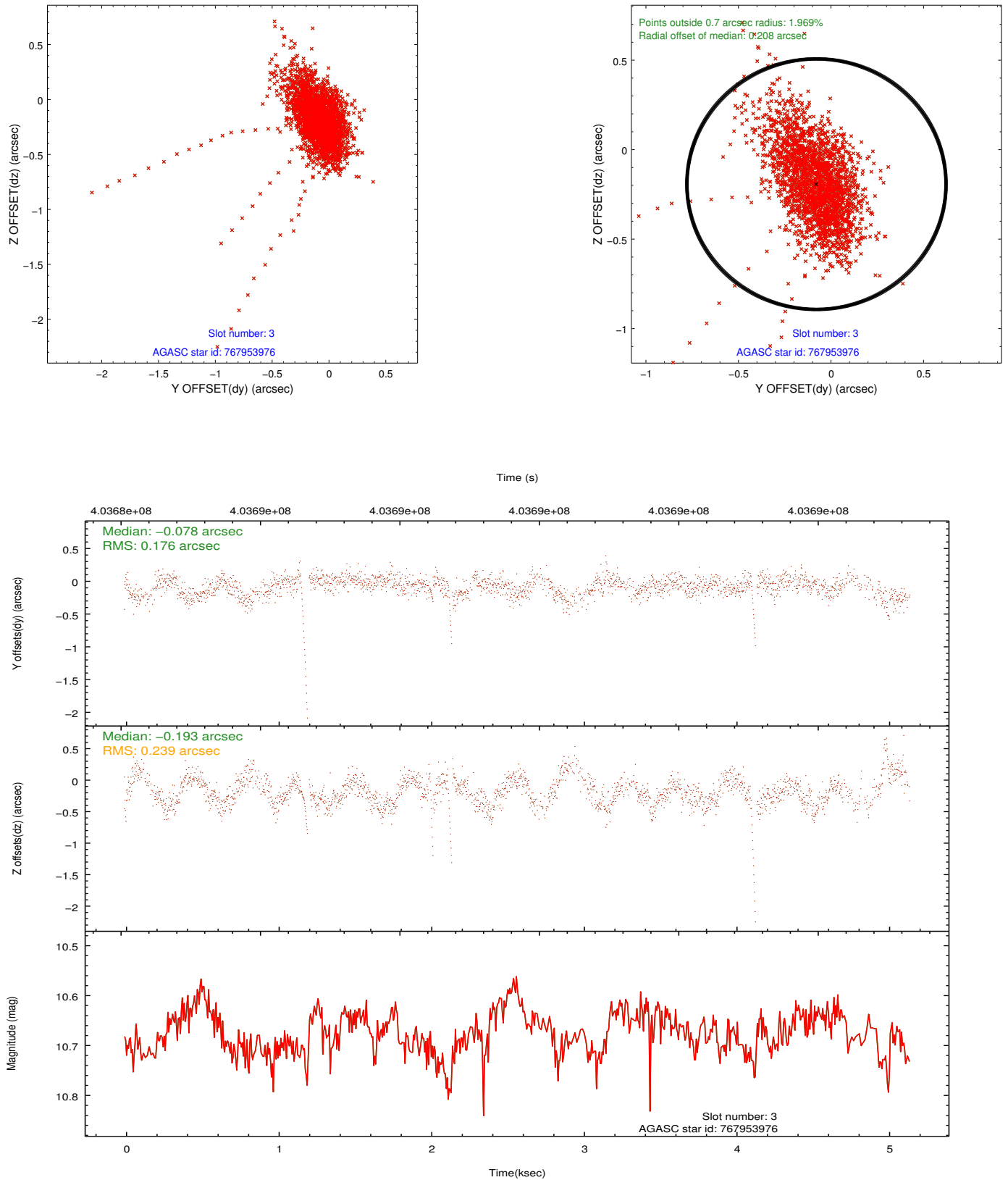


Slot Statistics

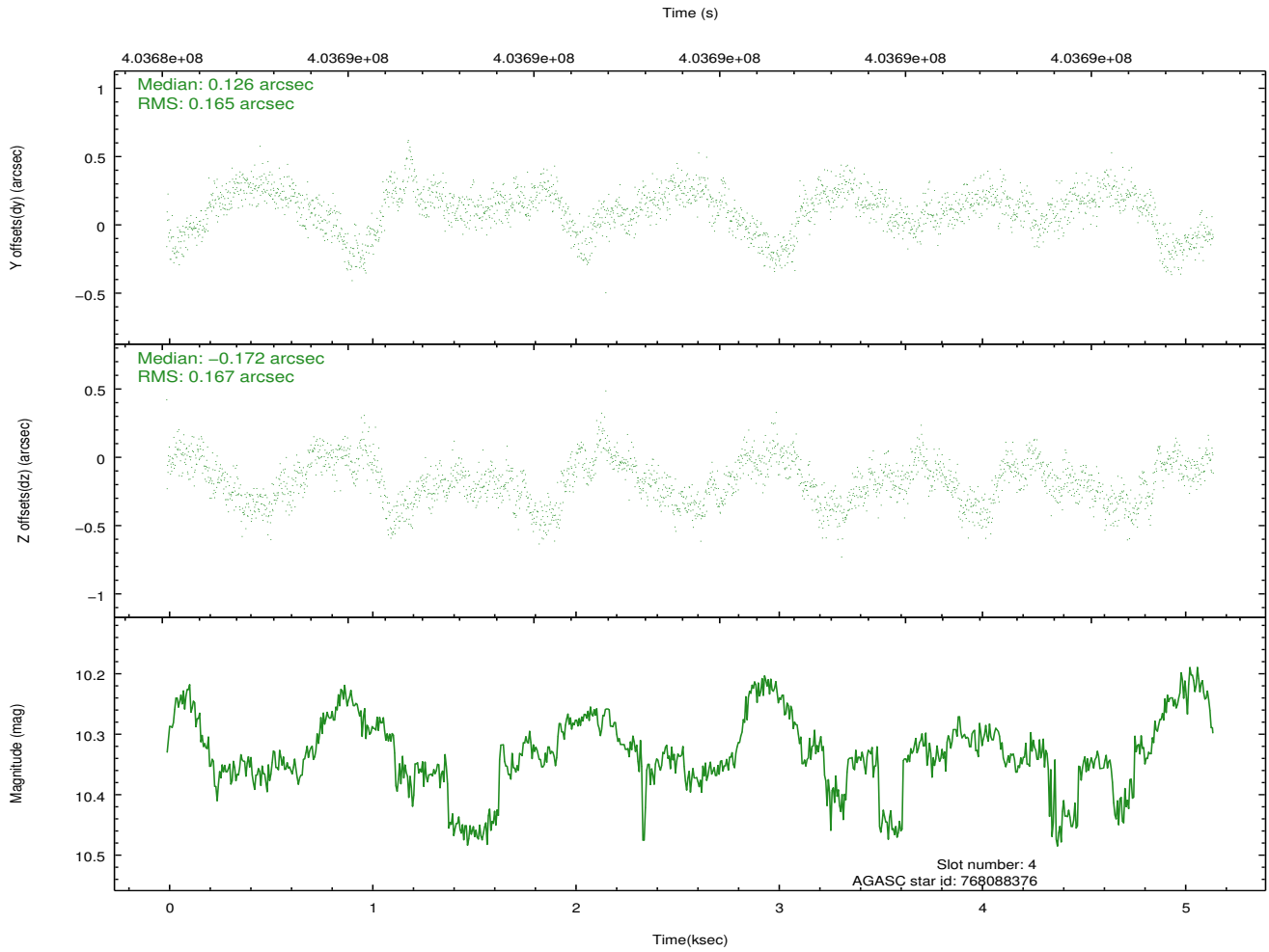
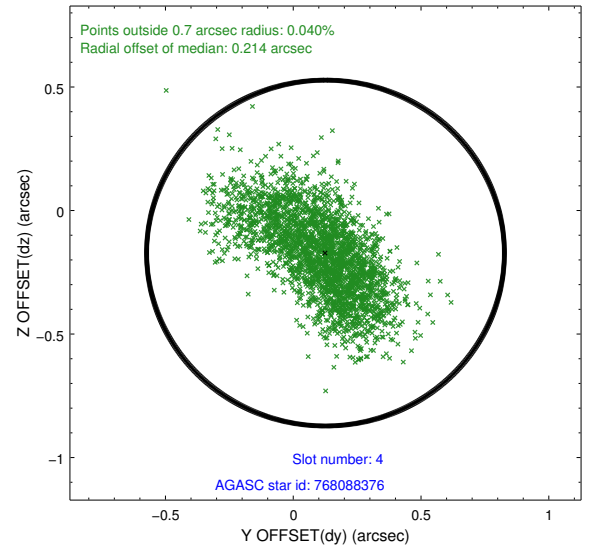
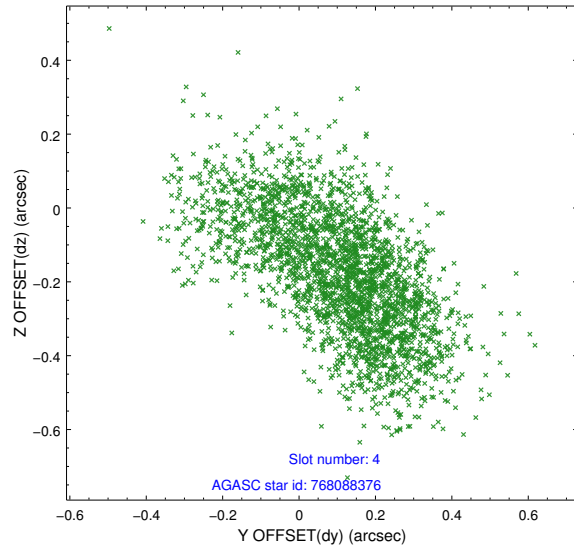
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	1257	-0.112	-0.058	0.007	0.013	0.000000	0.000000	-771.65	-1740.70
1	FID	ACIS-S-4	6.98	1257	0.139	0.062	0.006	0.011	0.000000	0.000000	2141.37	166.62
2	FID	ACIS-S-6	7.13	1257	-0.054	0.003	0.007	0.012	0.000000	0.000000	391.94	805.33
3	BAD	767953976	10.68	2285	-0.078	-0.193	0.258	0.481	35.579985	-18.741093	-1052.67	2249.72
4	GUIDE	768088376	10.33	2503	0.126	-0.172	0.248	0.418	36.221989	-18.693598	965.97	1389.39
5	GUIDE	768358344	9.68	2509	0.018	0.071	0.189	0.299	36.628826	-19.091249	1528.11	-524.26
6	GUIDE	768358696	8.99	2511	-0.051	0.234	0.102	0.166	36.286857	-19.830048	-738.58	-2336.70
7	GUIDE	768363168	9.92	2500	0.007	0.049	0.199	0.354	36.784575	-19.287604	1664.48	-1396.99

2.4 Star Slots

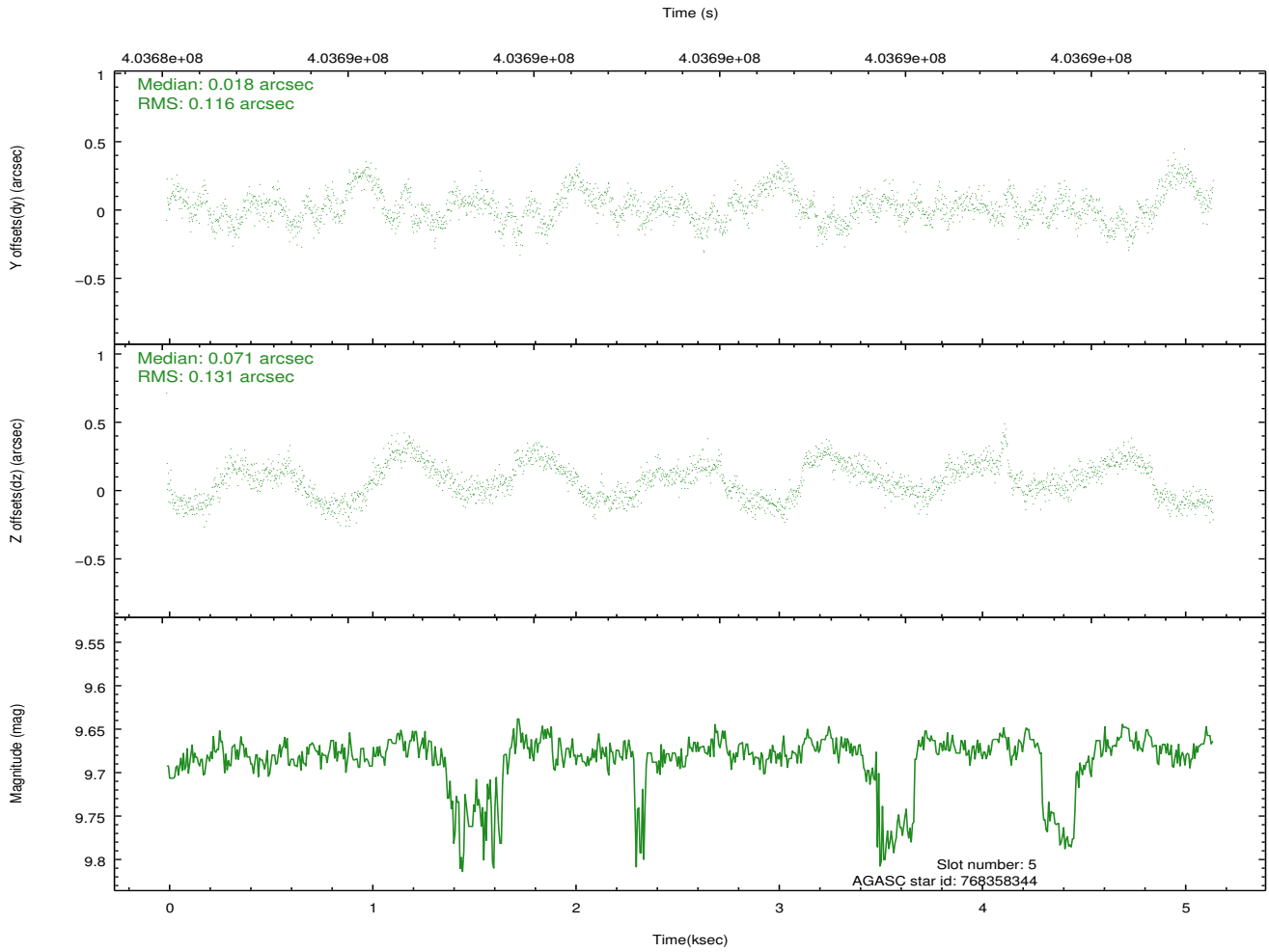
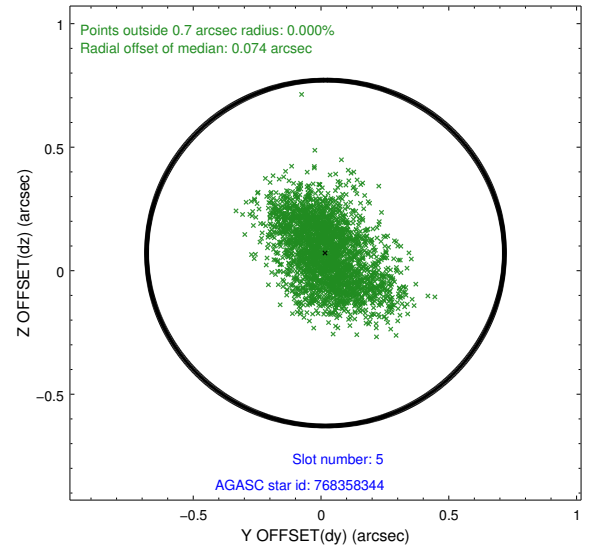
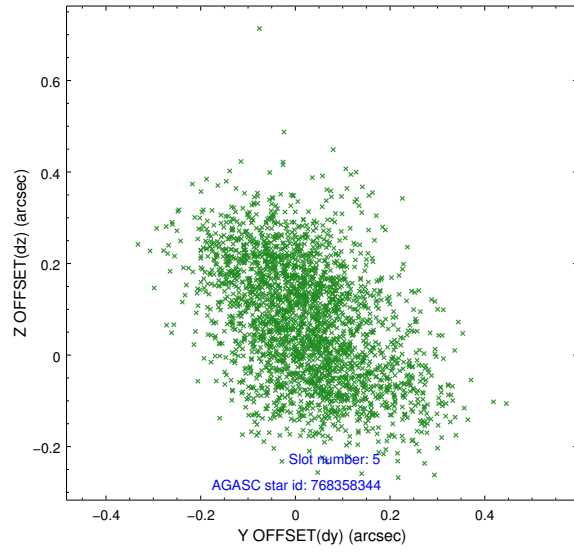
2.4.1 Slot 3



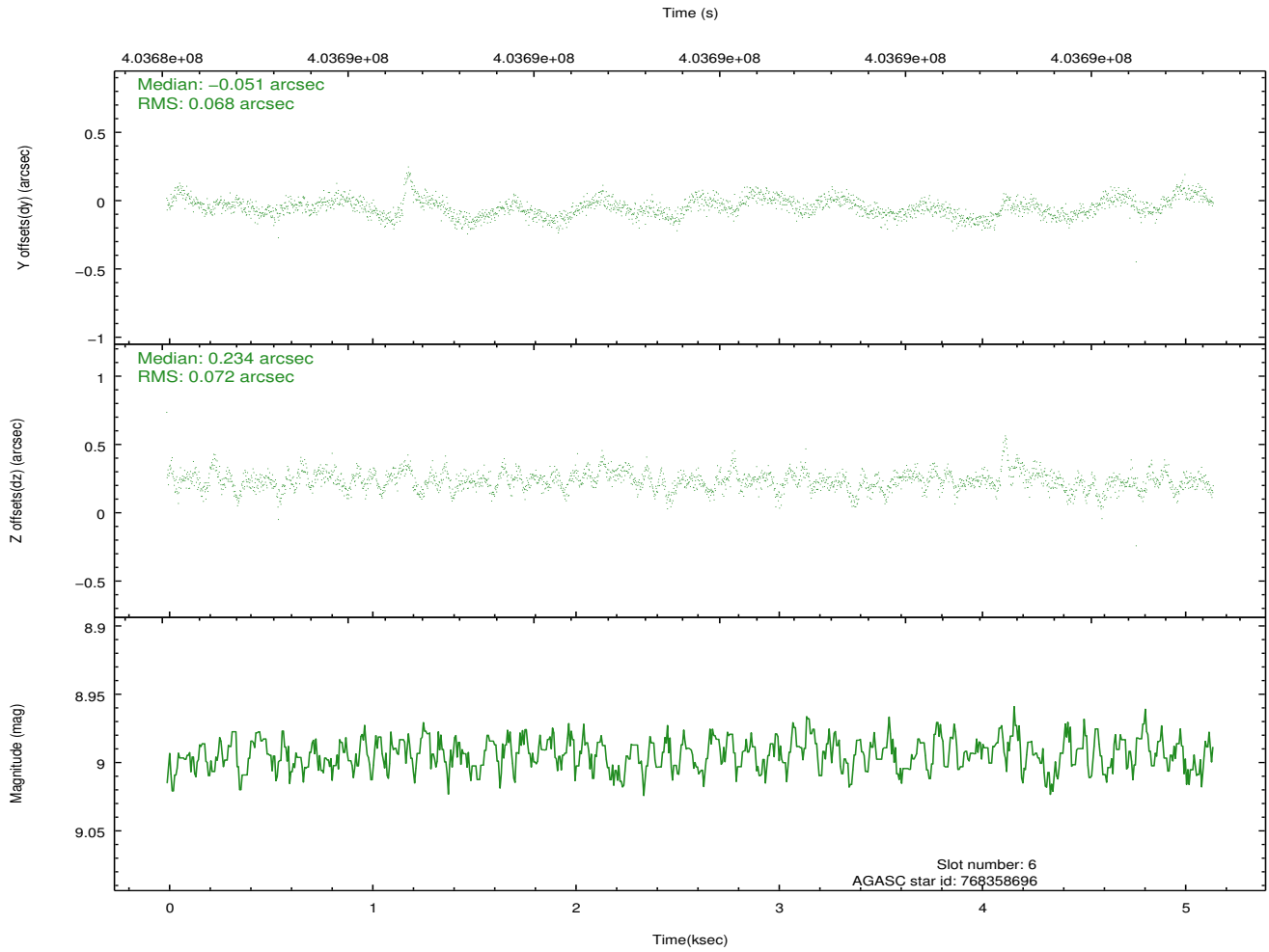
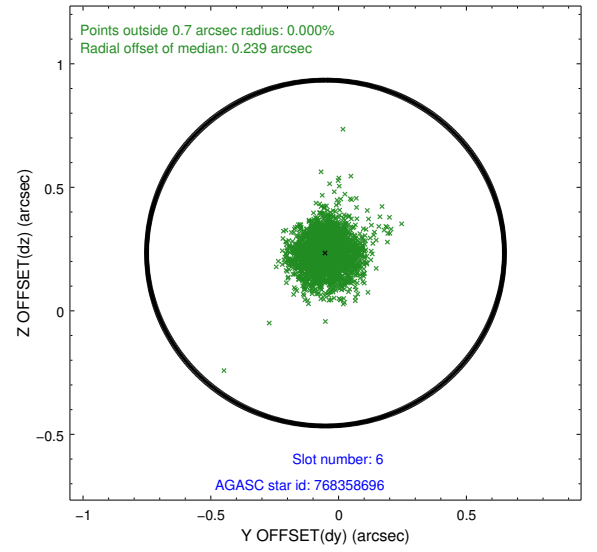
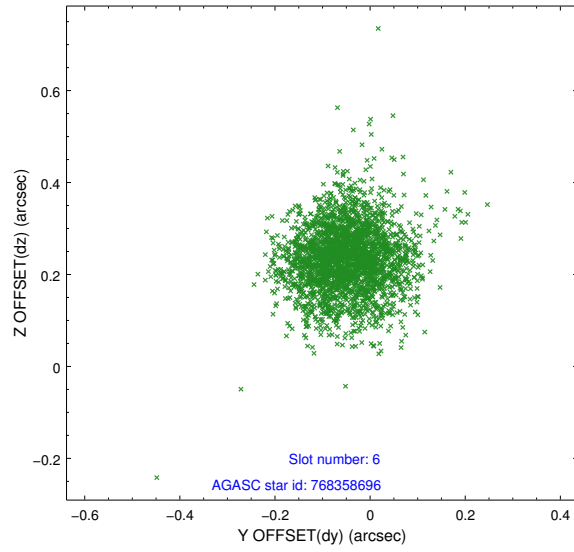
2.4.2 Slot 4



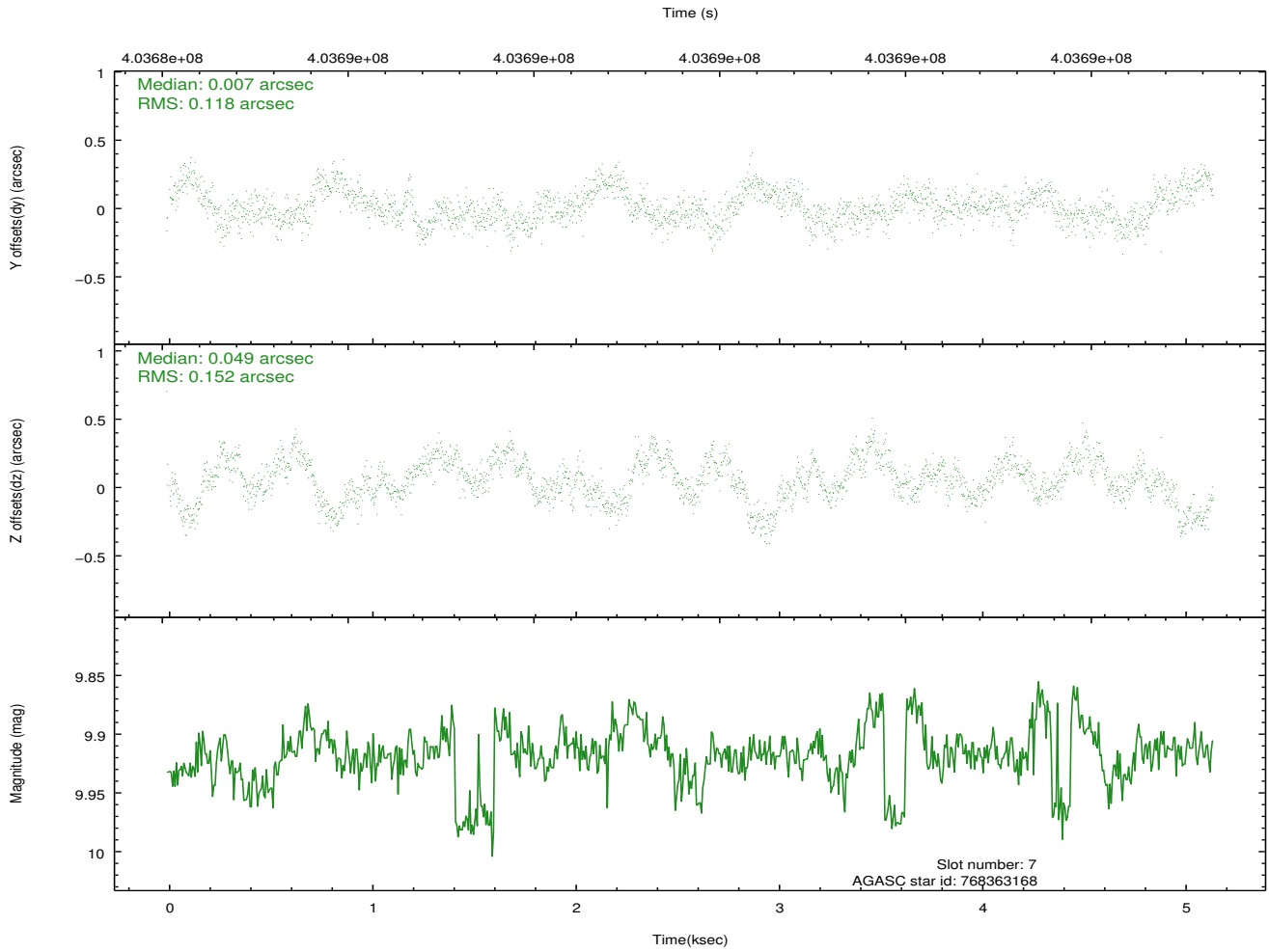
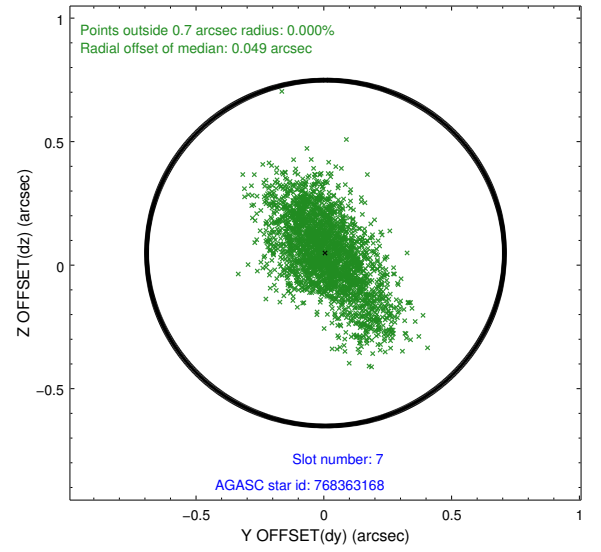
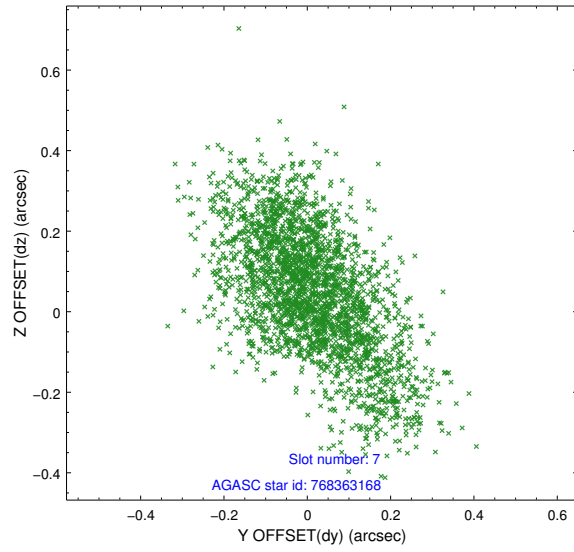
2.4.3 Slot 5



2.4.4 Slot 6

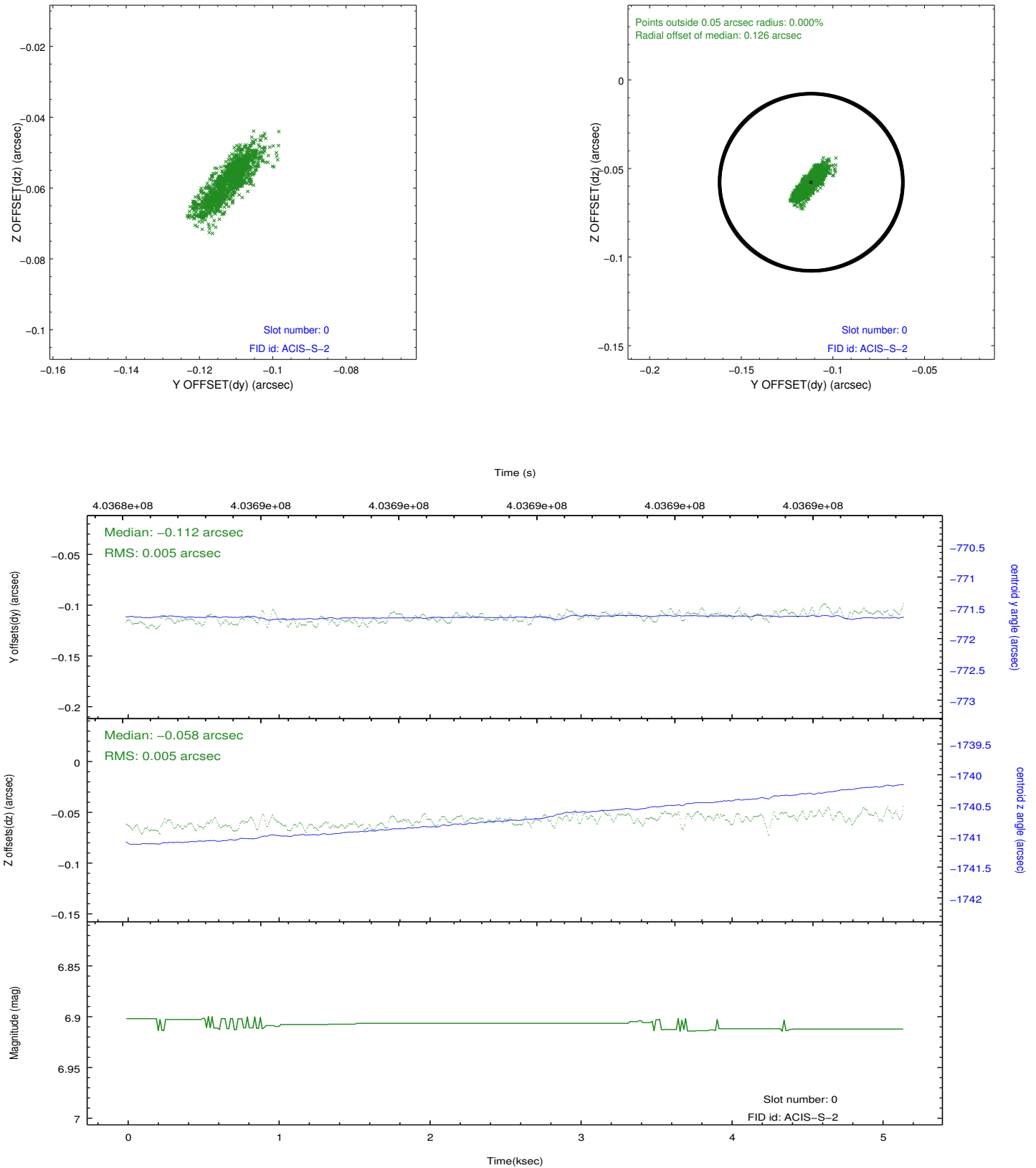


2.4.5 Slot 7

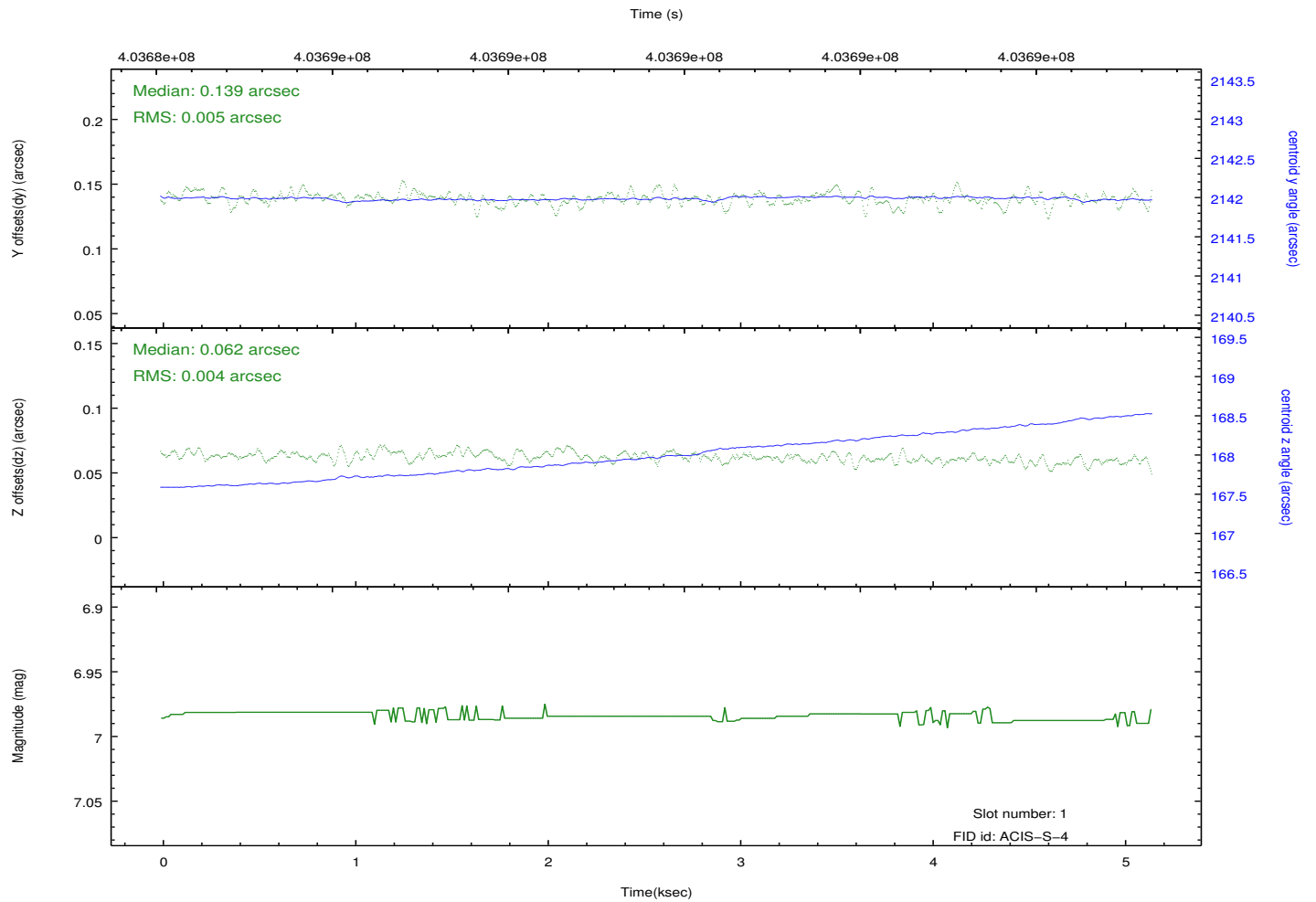
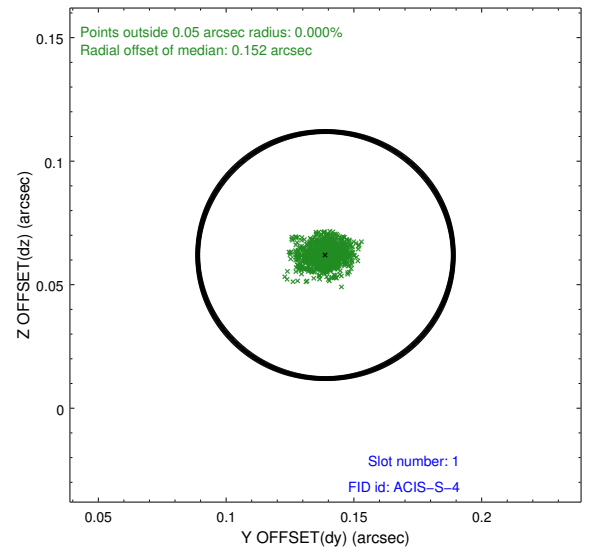
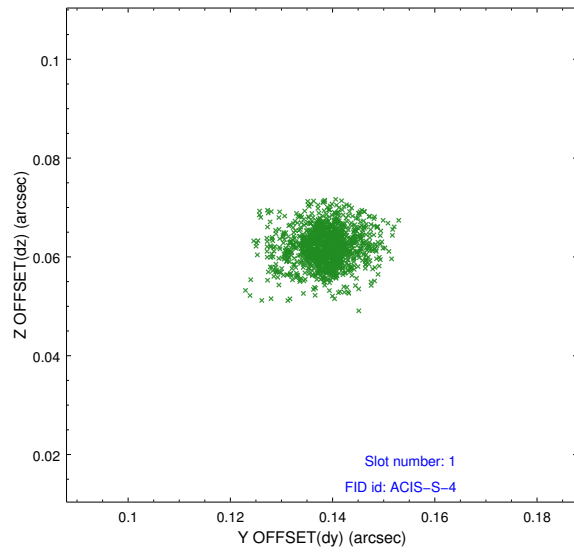


2.5 FID Slots

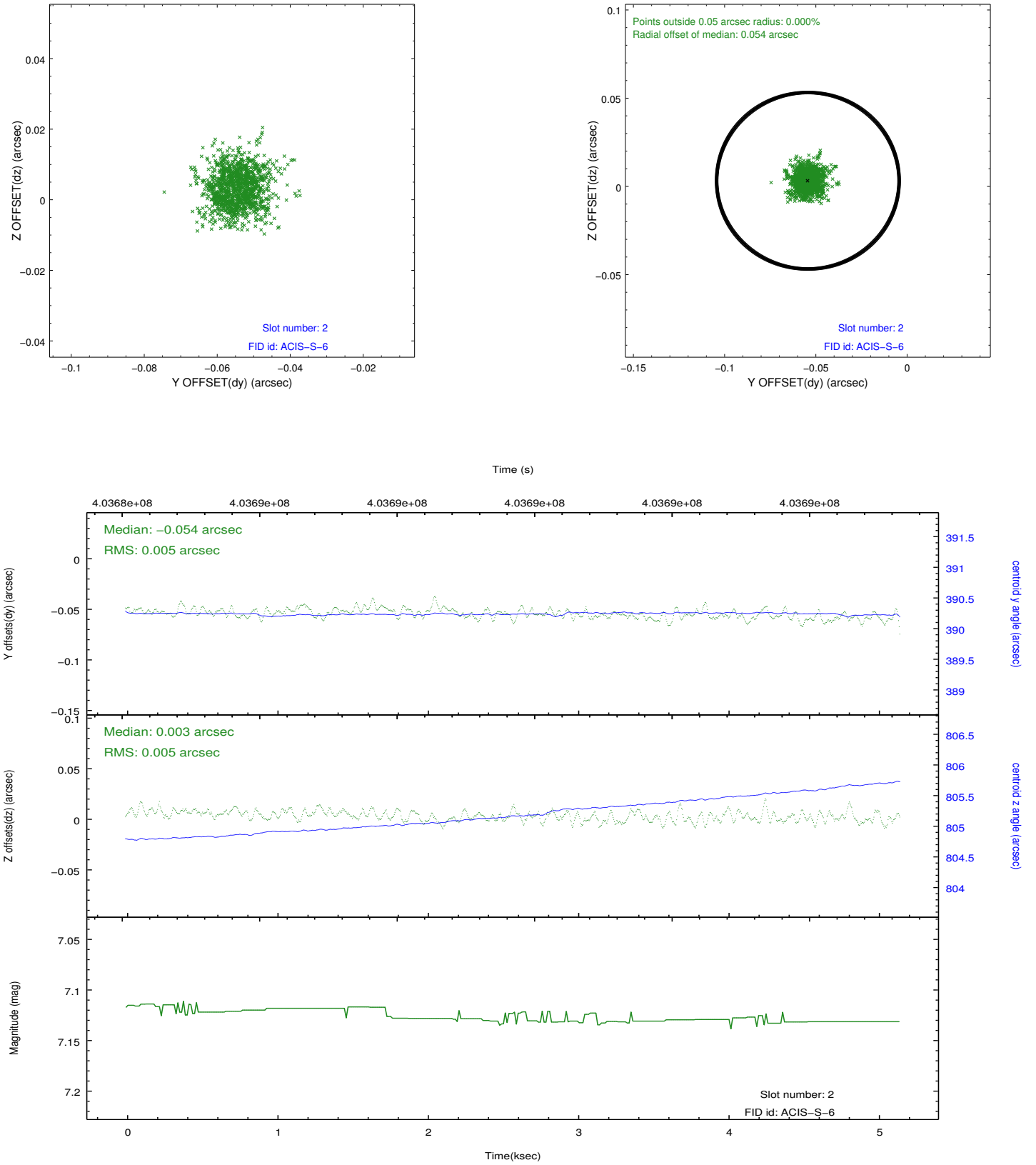
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9599999815822

A.2 Comments