

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4013 - L2 Version 4
Chandra X-Ray Center

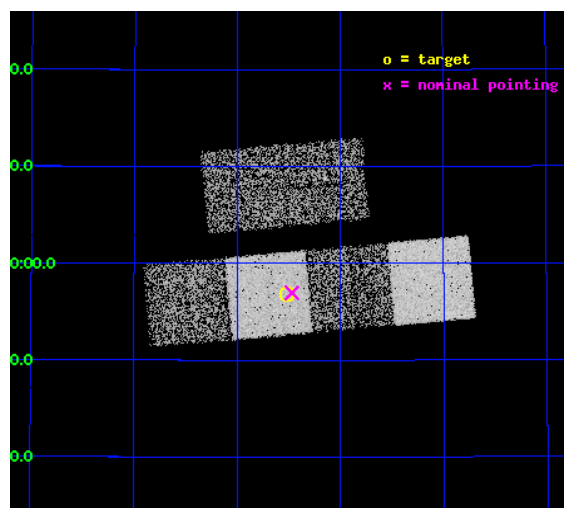
L2 Processing Date : Oct 24 2012

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1 Front

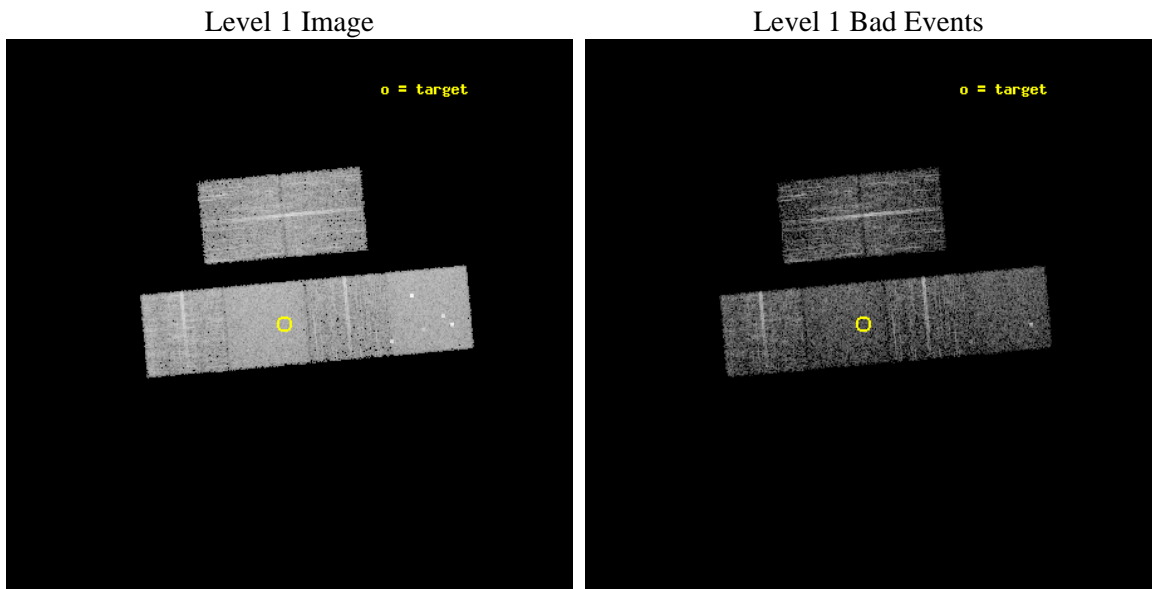
seq_num	700692	Sequence number
obs_id	4013	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC4013	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.630417	Observer's specified target RA [deg]
dec_targ	43.946944	Observer's specified target Dec [deg]
ra_nom	179.61756009477	Nominal RA [deg]
dec_nom	43.949402507653	Nominal Dec [deg]
roll_nom	174.83932823456	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4958.8735751808	Sum of GTIs [s]
livetime	4896.0813320966	Livetime [s]
ontime2	4958.9146151841	Sum of GTIs [s]
ontime3	4958.7504551709	Sum of GTIs [s]
ontime5	4958.8325351775	Sum of GTIs [s]
ontime6	4958.7914951742	Sum of GTIs [s]
ontime7	4958.8735751808	Sum of GTIs [s]
ontime8	4958.7094151974	Sum of GTIs [s]
l2events	49026	Number of level 2 events



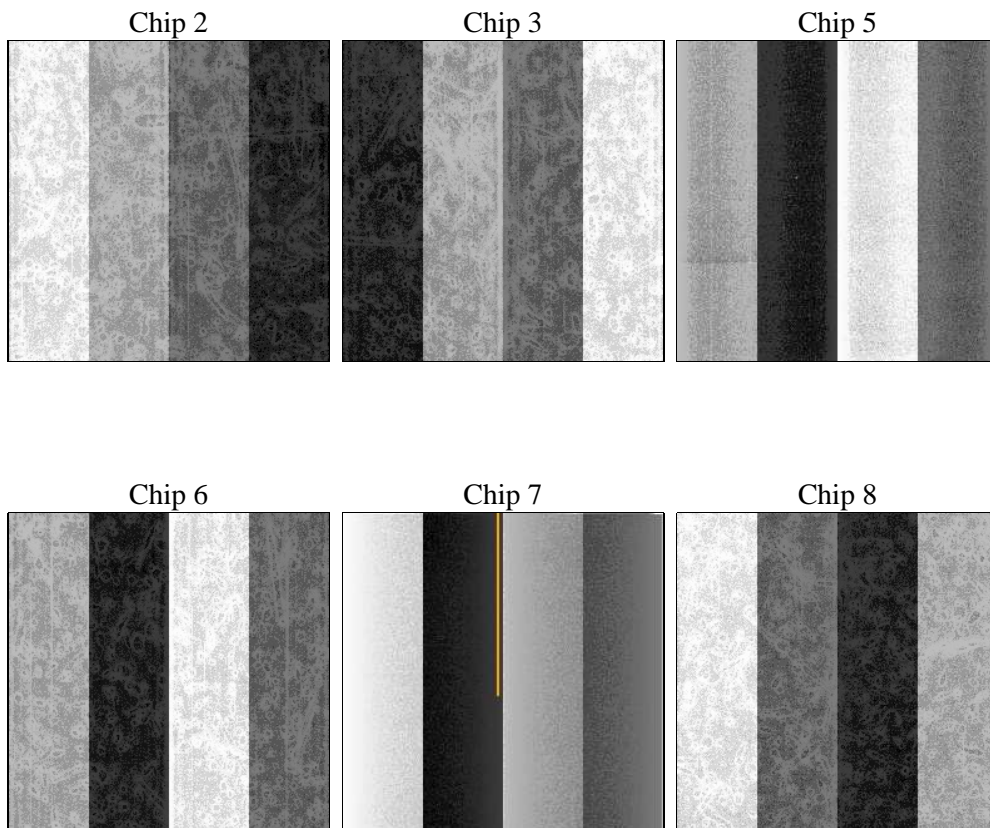
2 OBI

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	4958.8735751808	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4958.9146151841	Sum of GTIs [s]
date	2012-10-24T18:32:09	Date and time of file creation	ontime3	4958.7504551709	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	4958.8325351775	Sum of GTIs [s]
			ontime6	4958.7914951742	Sum of GTIs [s]
			ontime7	4958.8735751808	Sum of GTIs [s]
			ontime8	4958.7094151974	Sum of GTIs [s]
			l1events	221930	Number of level 1 events

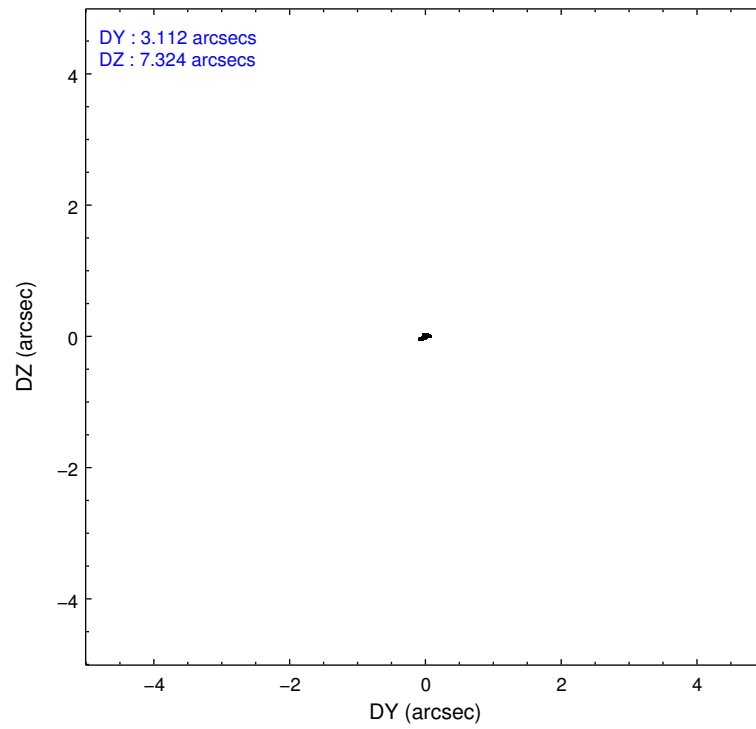
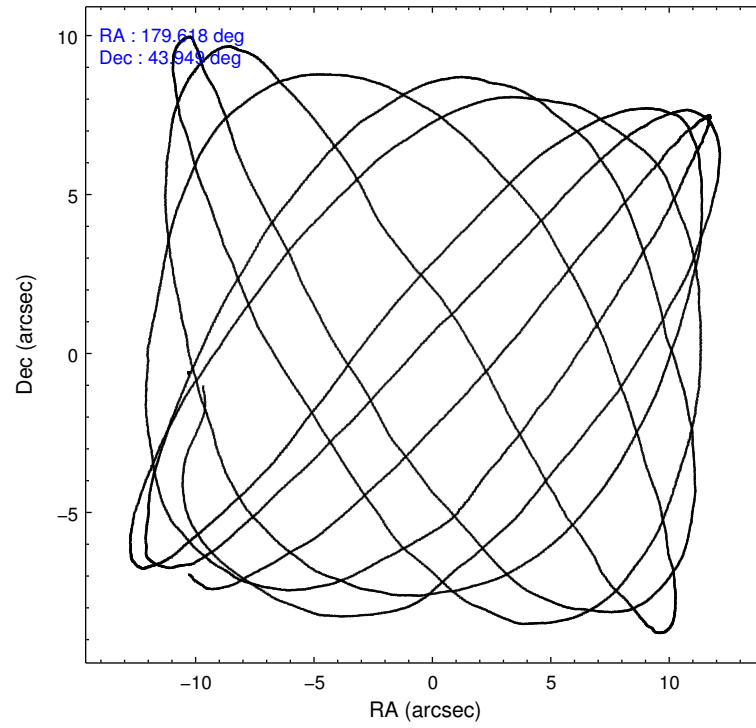
2.1.4 Events

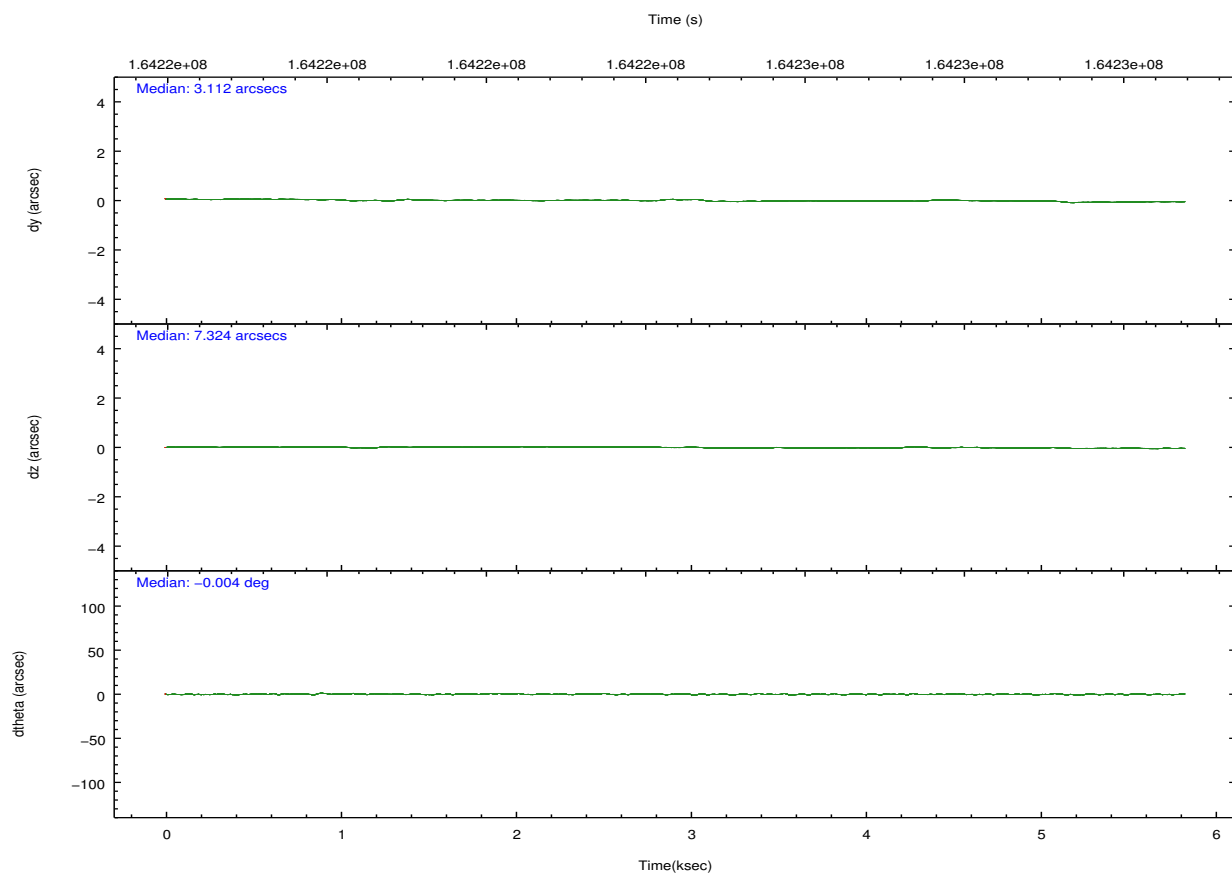
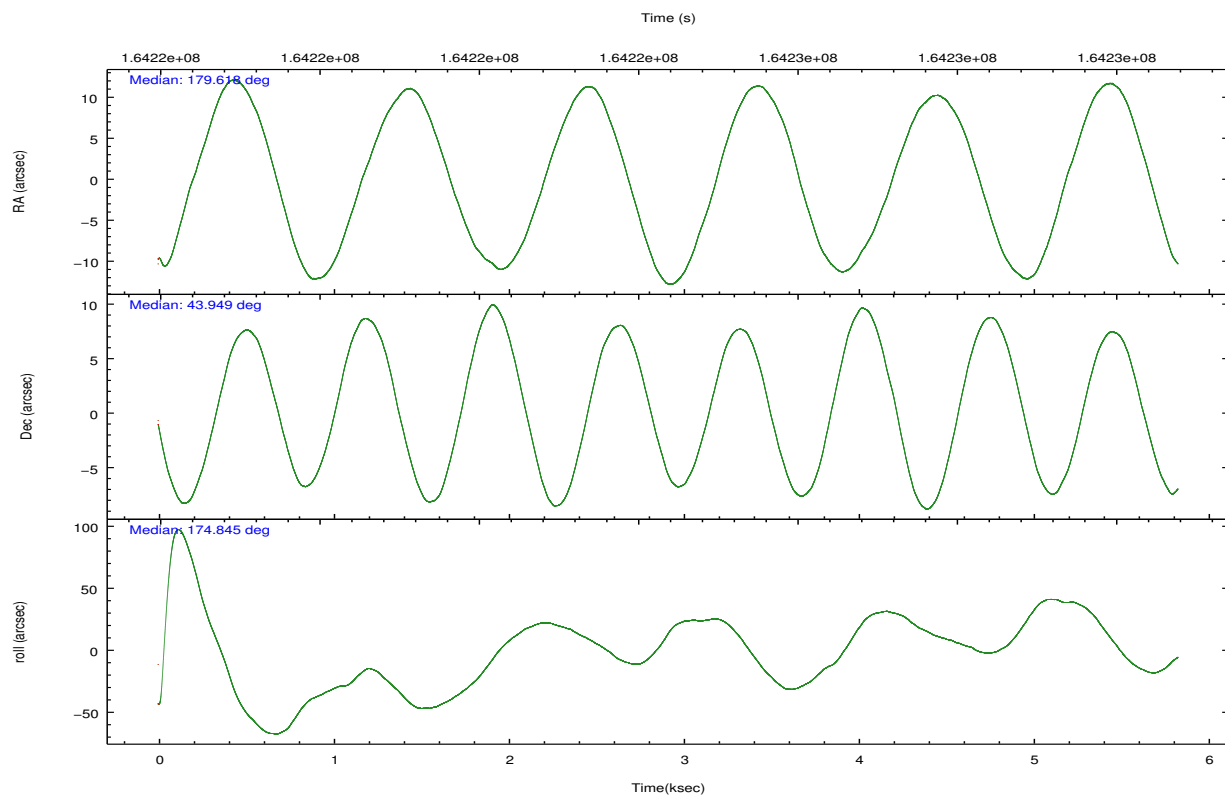
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31322	31428	47388	31288	41390	39114	grade 0 events	1699	1548	3929	1416	1570	2463
rejected events	27618	27860	24636	27766	24266	30993		5%	4%	8%	4%	3%	6%
rejected %	88%	88%	51%	88%	58%	79%	grade 1 events	19	16	346	16	50	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	725	678	6073	733	3410	1857
								2%	2%	12%	2%	8%	4%
							grade 3 events	352	383	912	351	1521	883
								1%	1%	1%	1%	3%	2%
							grade 4 events	343	358	857	351	1537	836
								1%	1%	1%	1%	3%	2%
							grade 5 events	1154	1366	3443	1445	4039	1845
								3%	4%	7%	4%	9%	4%
							grade 6 events	592	603	11006	674	9113	2116
								1%	1%	23%	2%	22%	5%
							grade 7 events	26438	26476	20822	26302	20150	29096
								84%	84%	43%	84%	48%	74%

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	179.651572	179.6175600947654	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.961258	43.94940250765266	Alternating exposures requested	N	N
[deg] Pointing Roll	174.659386	174.839328234565	[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)	164223093.184000	164221809.41319			
Observation start date	2003-03-16T17:30:29	2003-03-16T17:10:09			
[s] Observation end time (MET)	164228093.184000	164228535.46347			
Observation end date	2003-03-16T18:53:49	2003-03-16T19:02:15			
Read mode	TIMED	TIMED			

2.3 Aspect



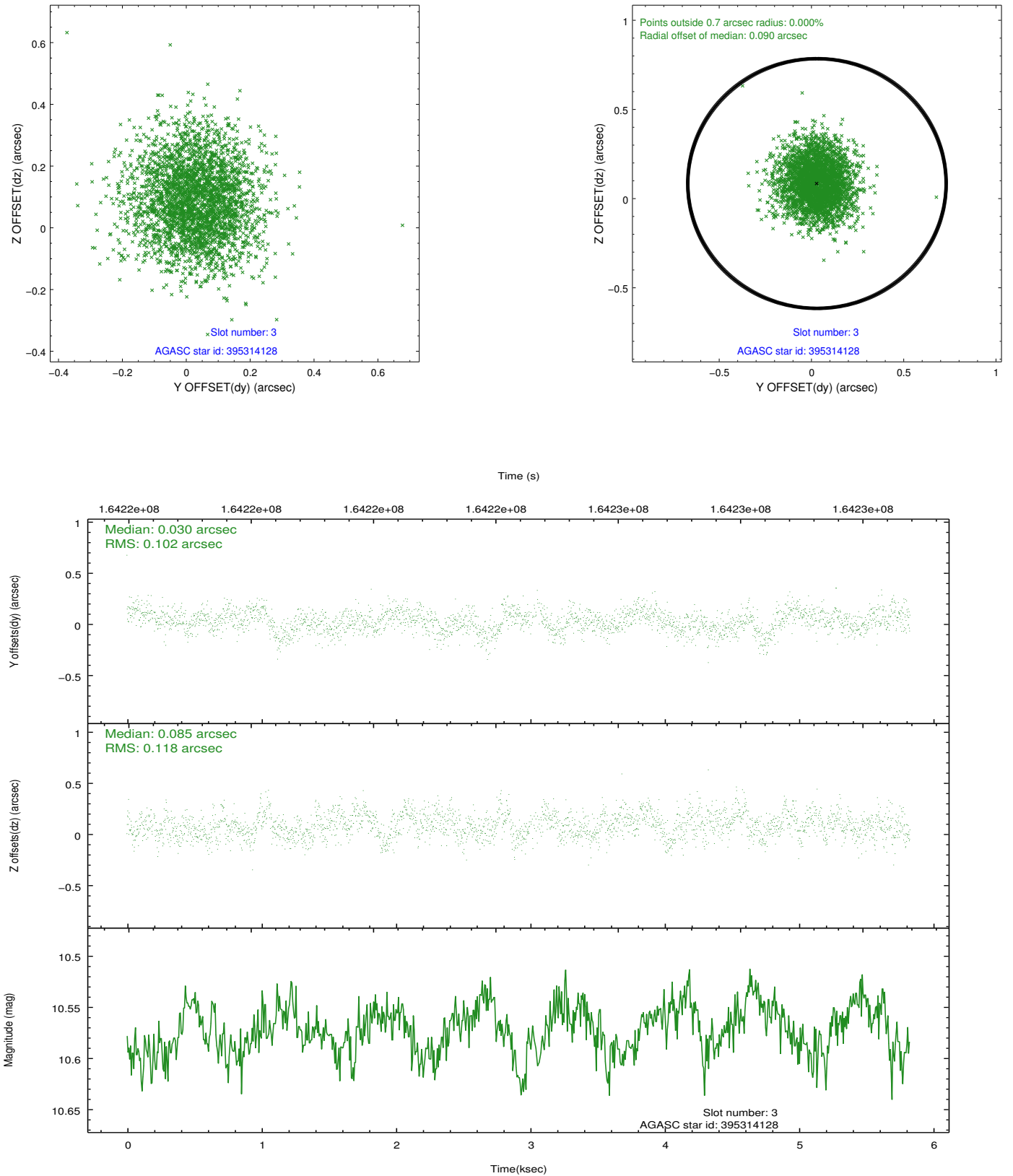


Slot Statistics

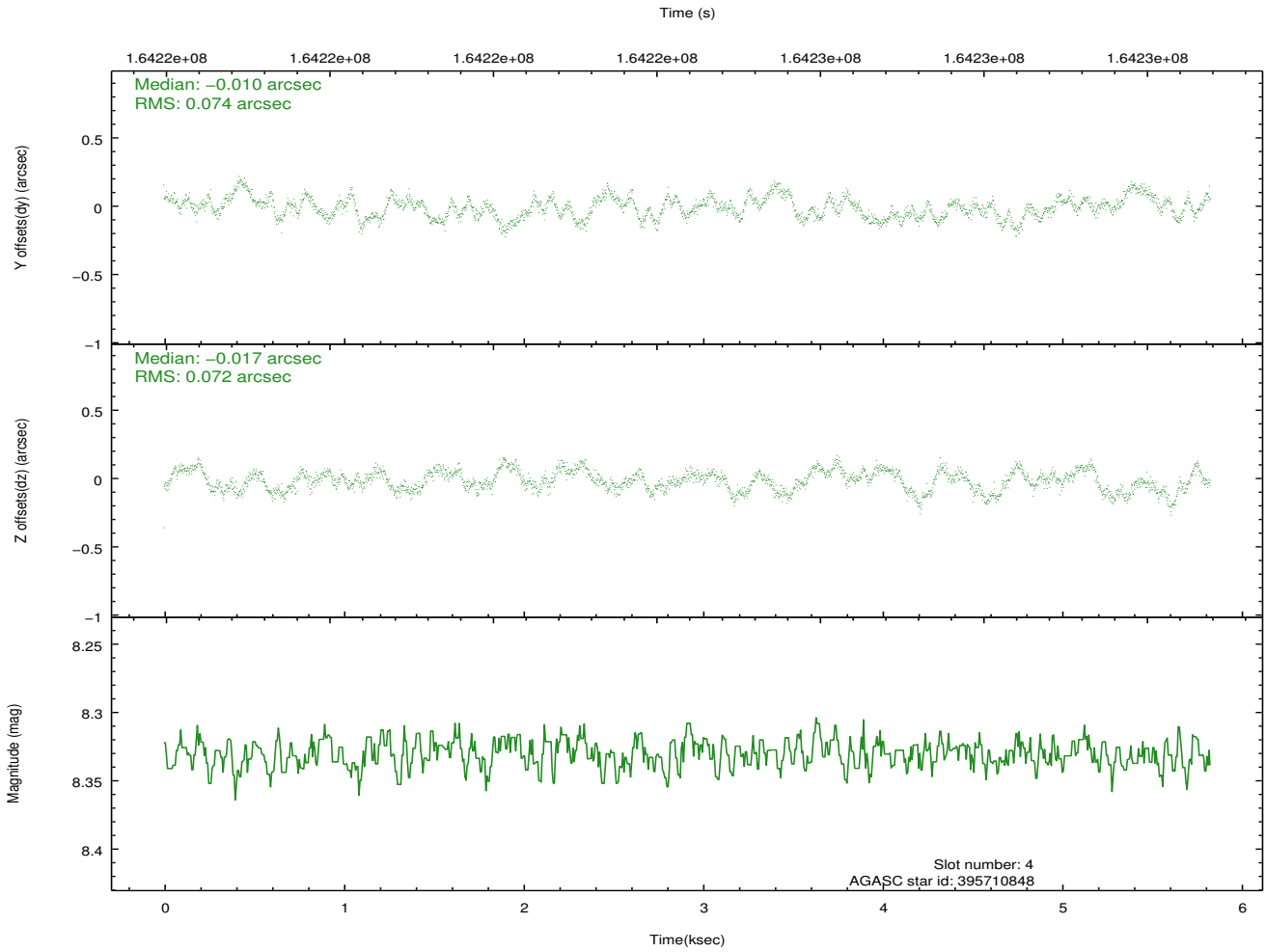
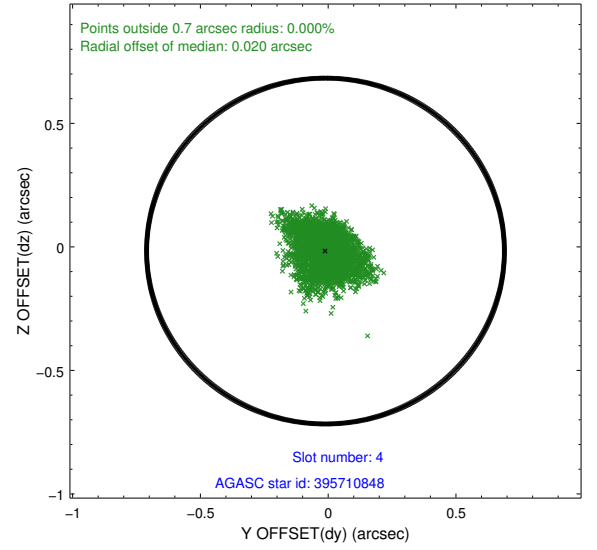
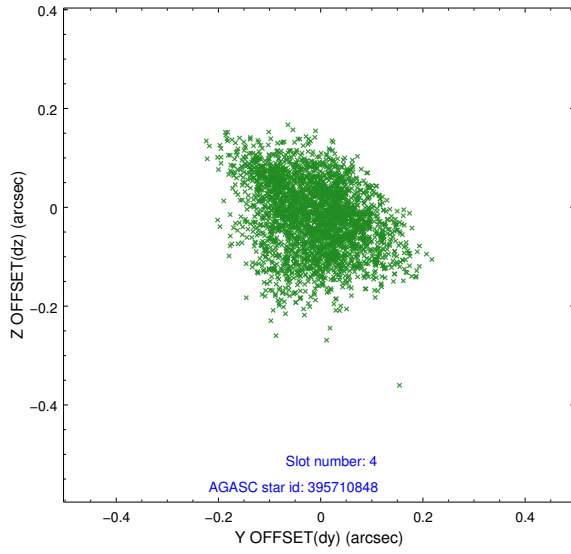
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1422	-0.025	-0.011	0.007	0.012	0.000000	0.000000	-755.78	-1728.51
1	FID	ACIS-S-4	7.21	1422	0.019	0.015	0.006	0.010	0.000000	0.000000	2157.08	178.95
2	FID	ACIS-S-5	7.24	1422	-0.025	0.005	0.007	0.012	0.000000	0.000000	-1807.31	173.77
3	GUIDE	395314128	10.57	2812	0.030	0.085	0.165	0.267	179.932644	44.337927	-594.17	-1418.64
4	GUIDE	395710848	8.33	2843	-0.010	-0.017	0.111	0.175	180.004806	43.343617	-1127.50	2125.26
5	GUIDE	395711672	10.87	2771	-0.106	-0.027	0.345	0.545	180.159452	43.918124	-1325.56	28.62
6	GUIDE	395716408	10.65	2766	0.064	-0.023	0.260	0.405	180.353934	43.509216	-1976.61	1441.95
7	GUIDE	395722432	9.54	2841	0.026	-0.014	0.124	0.200	180.355077	43.582106	-1953.45	1181.13

2.4 Star Slots

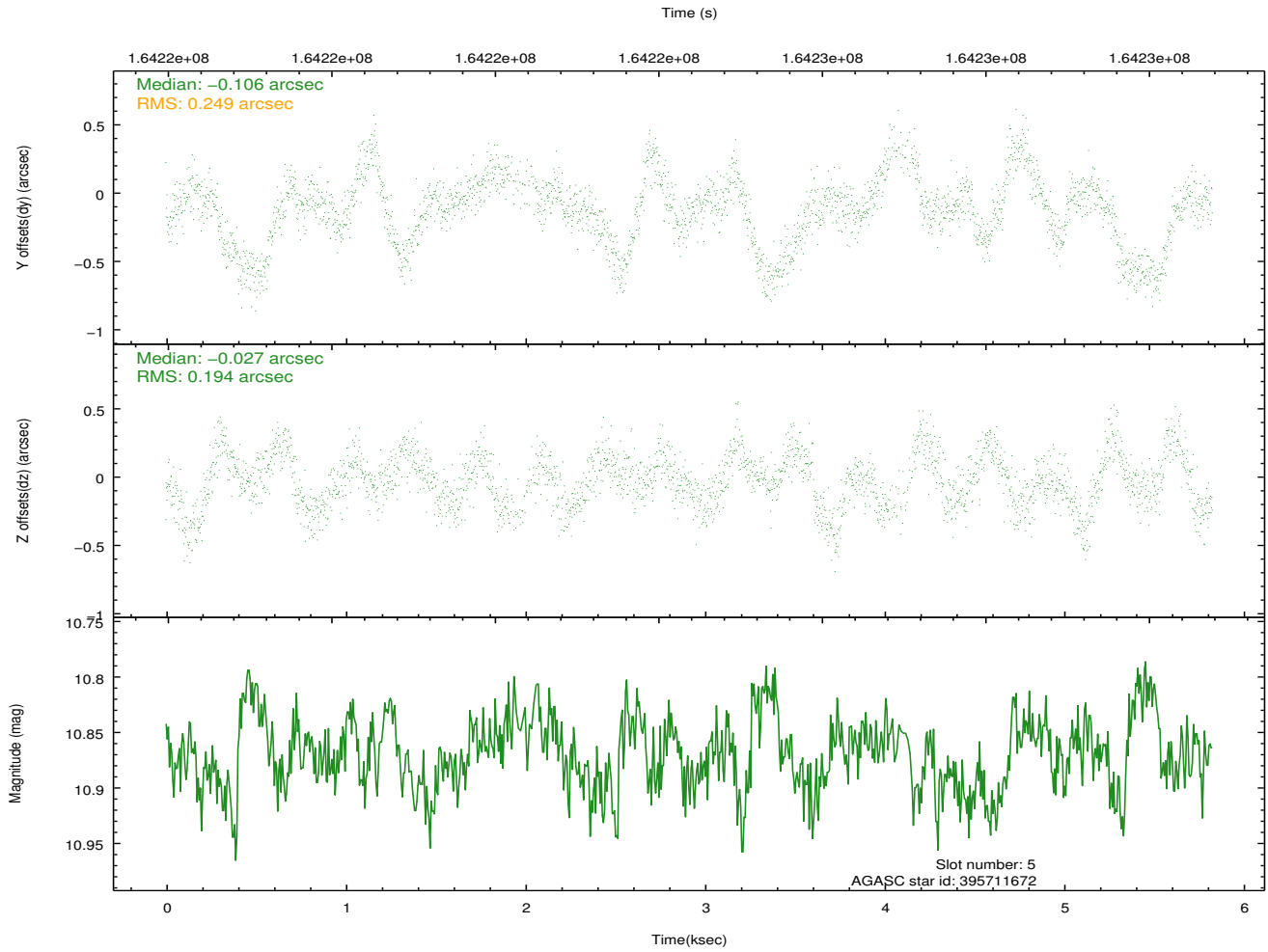
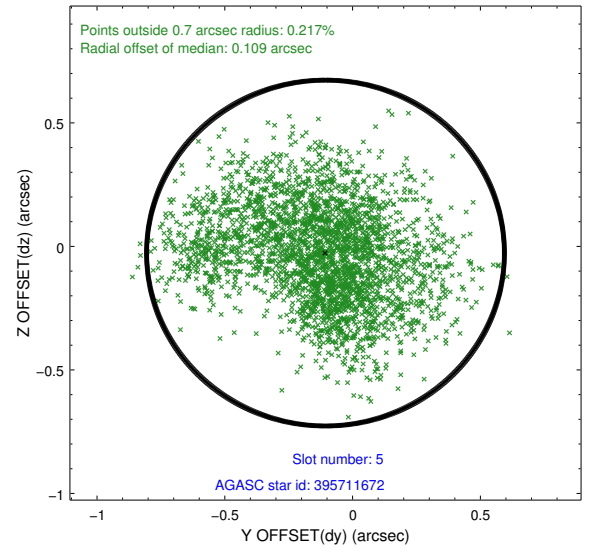
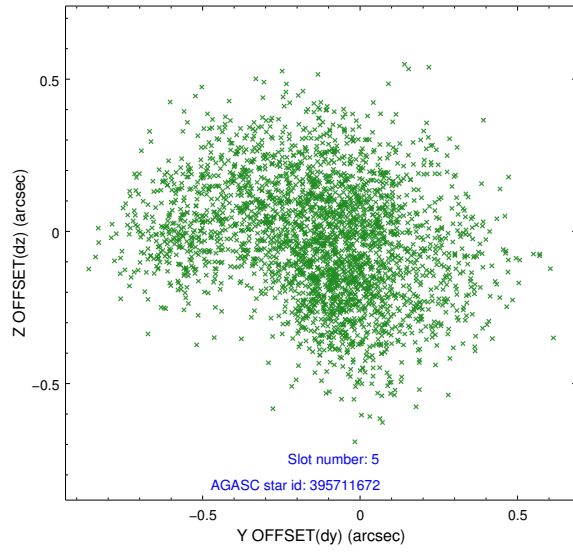
2.4.1 Slot 3



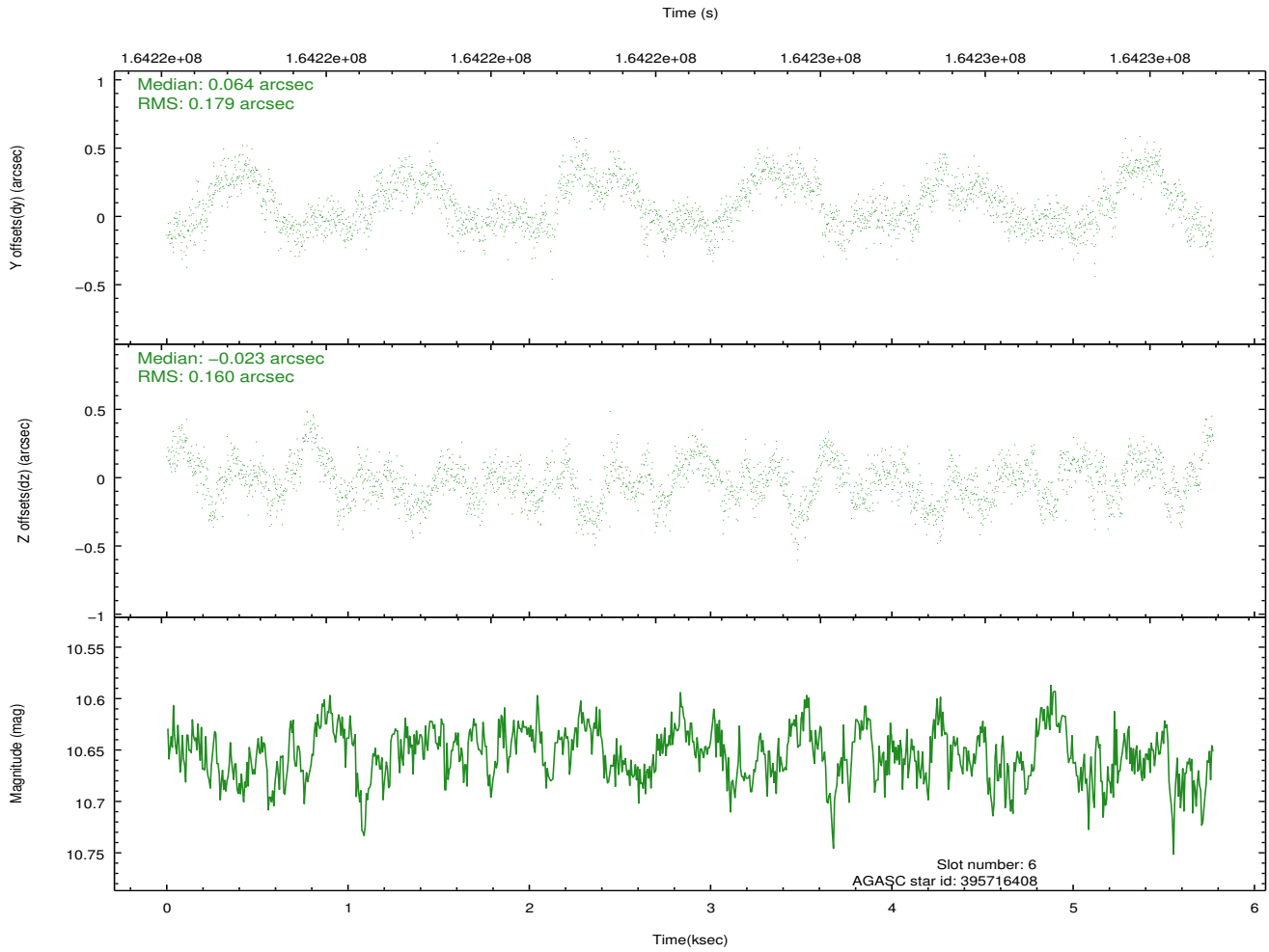
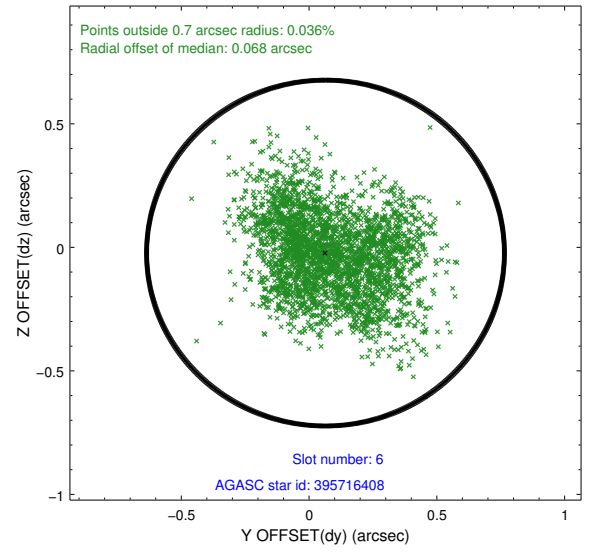
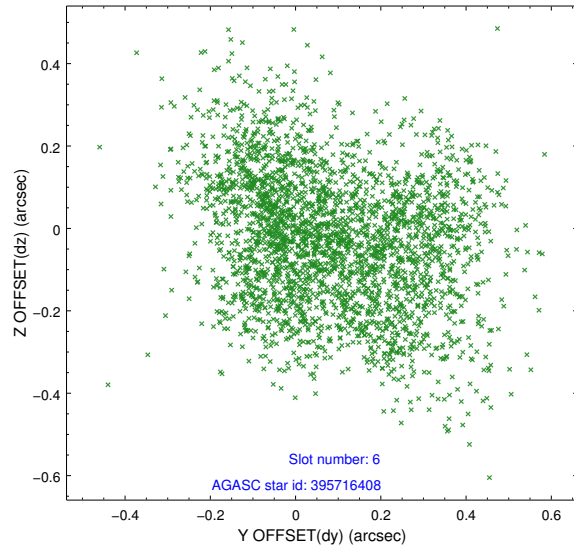
2.4.2 Slot 4



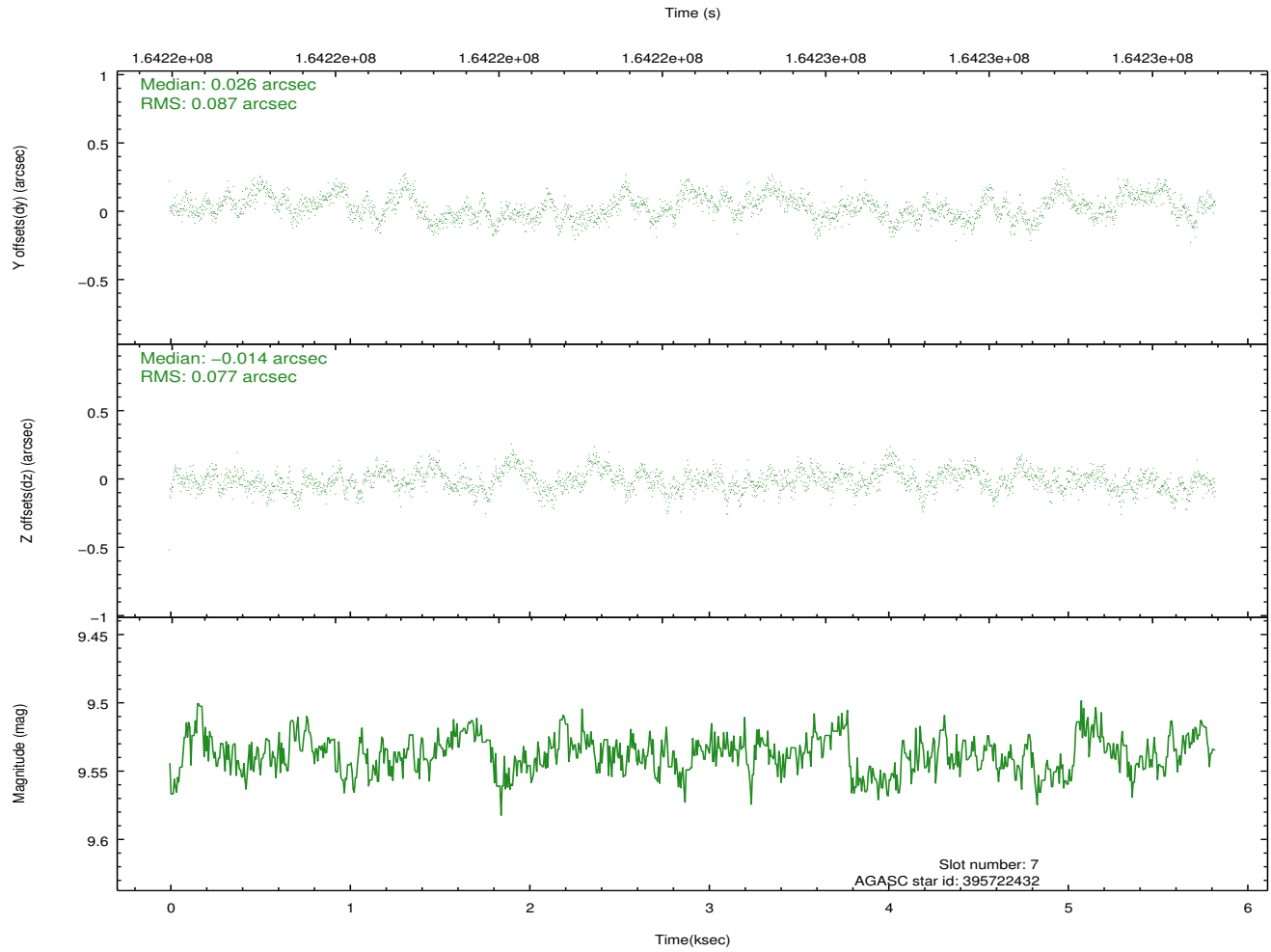
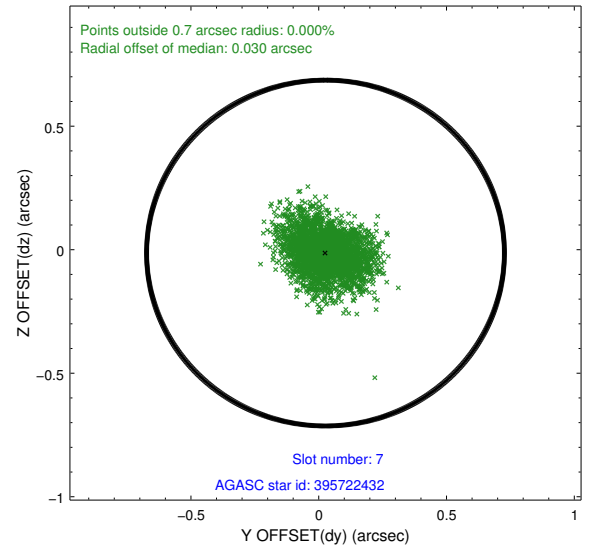
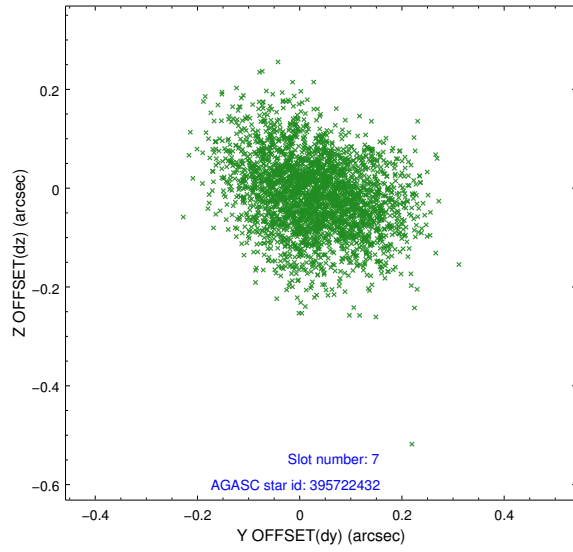
2.4.3 Slot 5



2.4.4 Slot 6

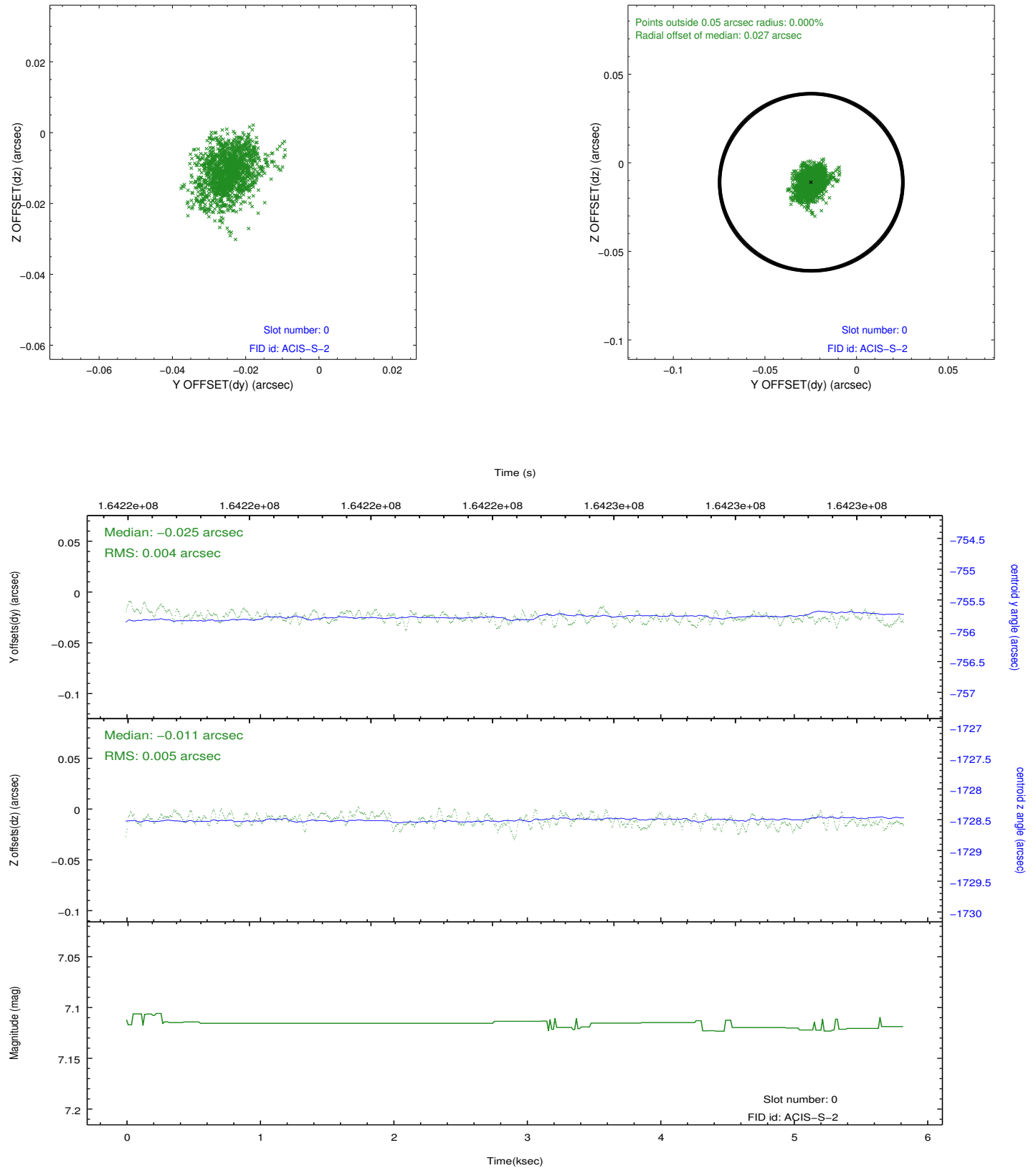


2.4.5 Slot 7

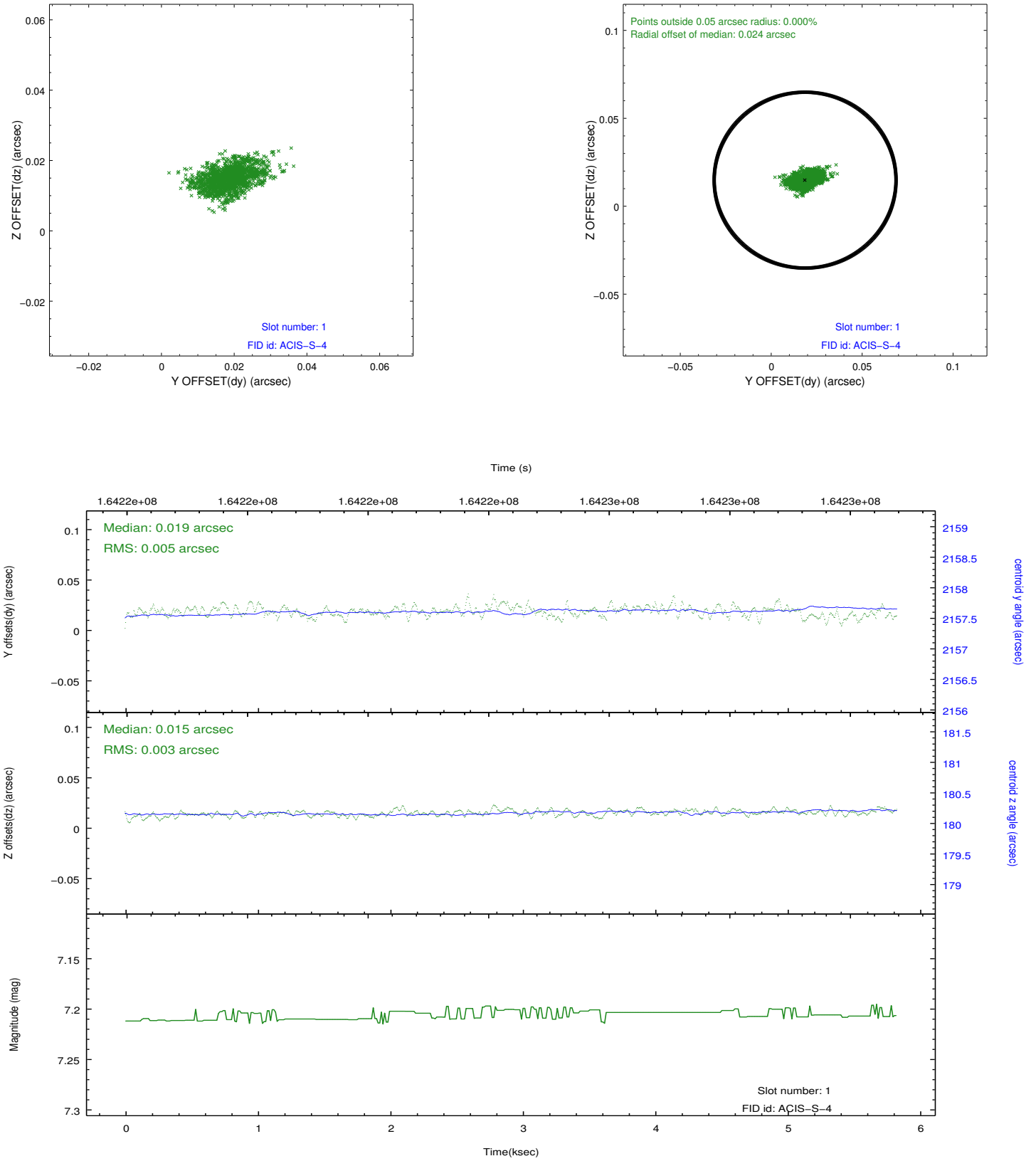


2.5 FID Slots

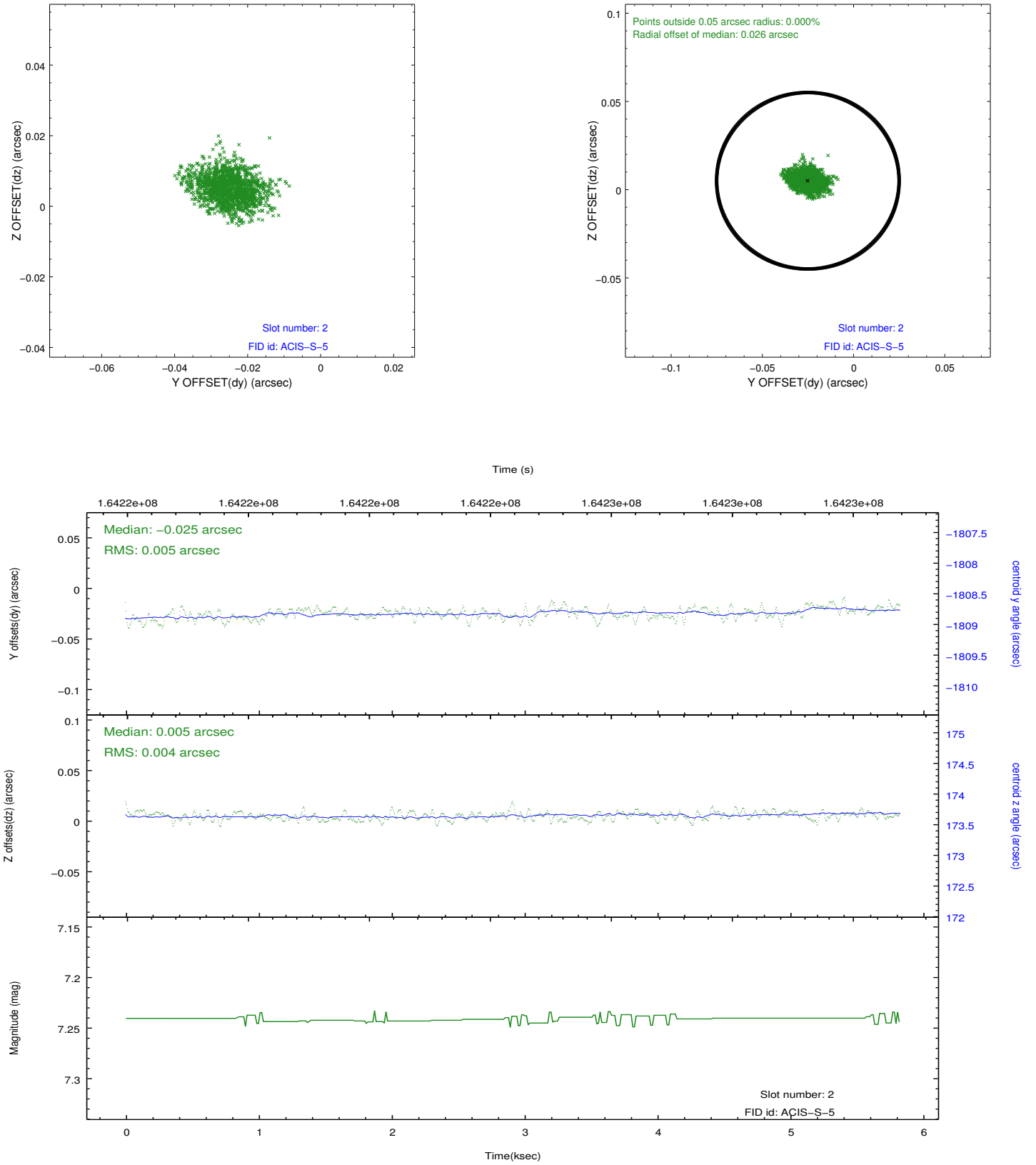
2.5.1 Slot 0



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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.96

A.2 Comments