

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4038 - L2 Version 3
Chandra X-Ray Center

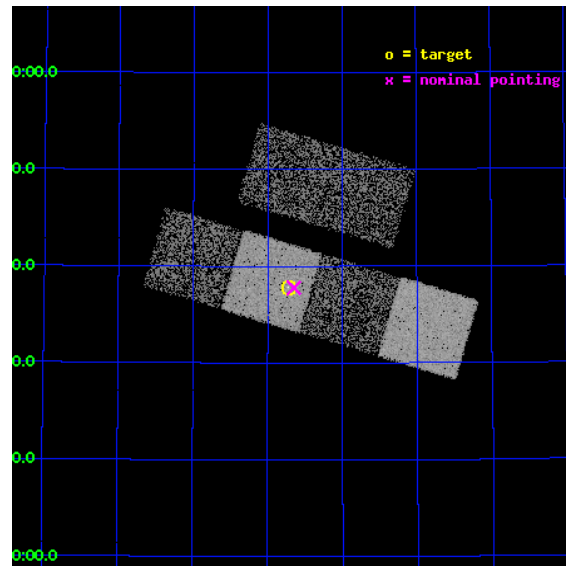
L2 Processing Date : Oct 24 2012

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1 Front

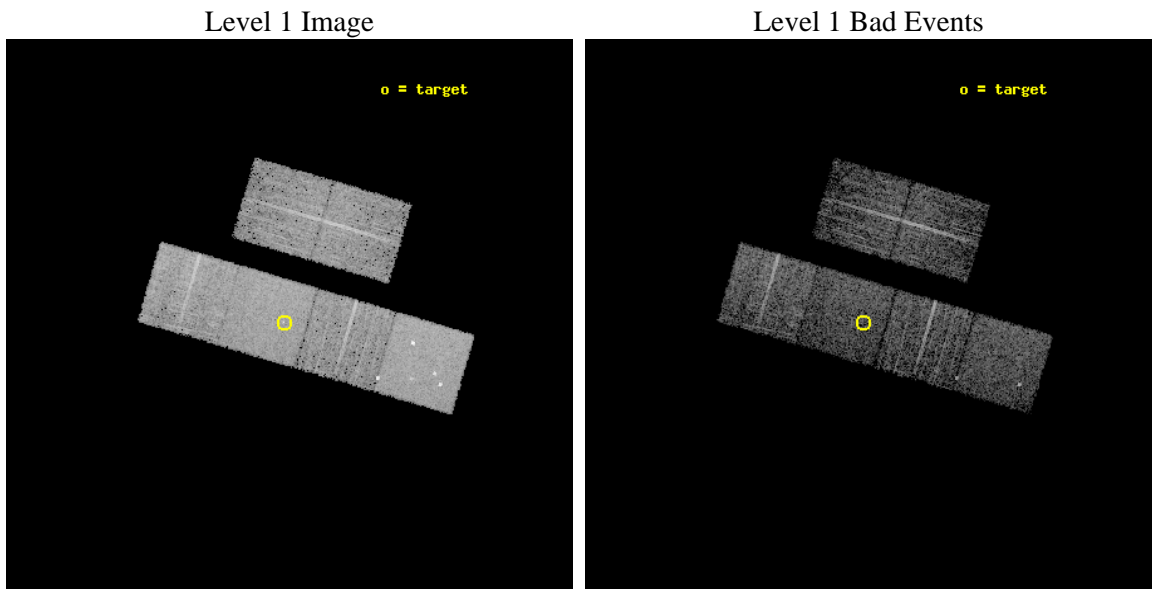
seq_num	700717	Sequence number
obs_id	4038	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS104943+583750	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.430833	Observer's specified target RA [deg]
dec_targ	58.630667	Observer's specified target Dec [deg]
ra_nom	162.41223108897	Nominal RA [deg]
dec_nom	58.629636034581	Nominal Dec [deg]
roll_nom	196.37836636922	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4753.802370131	Sum of GTIs [s]
livetime	4693.6068621243	Livetime [s]
ontime2	4753.8434101343	Sum of GTIs [s]
ontime3	4753.6792501211	Sum of GTIs [s]
ontime5	4753.7613301277	Sum of GTIs [s]
ontime6	4753.7202901244	Sum of GTIs [s]
ontime7	4753.802370131	Sum of GTIs [s]
ontime8	4750.3971303105	Sum of GTIs [s]
l2events	48029	Number of level 2 events



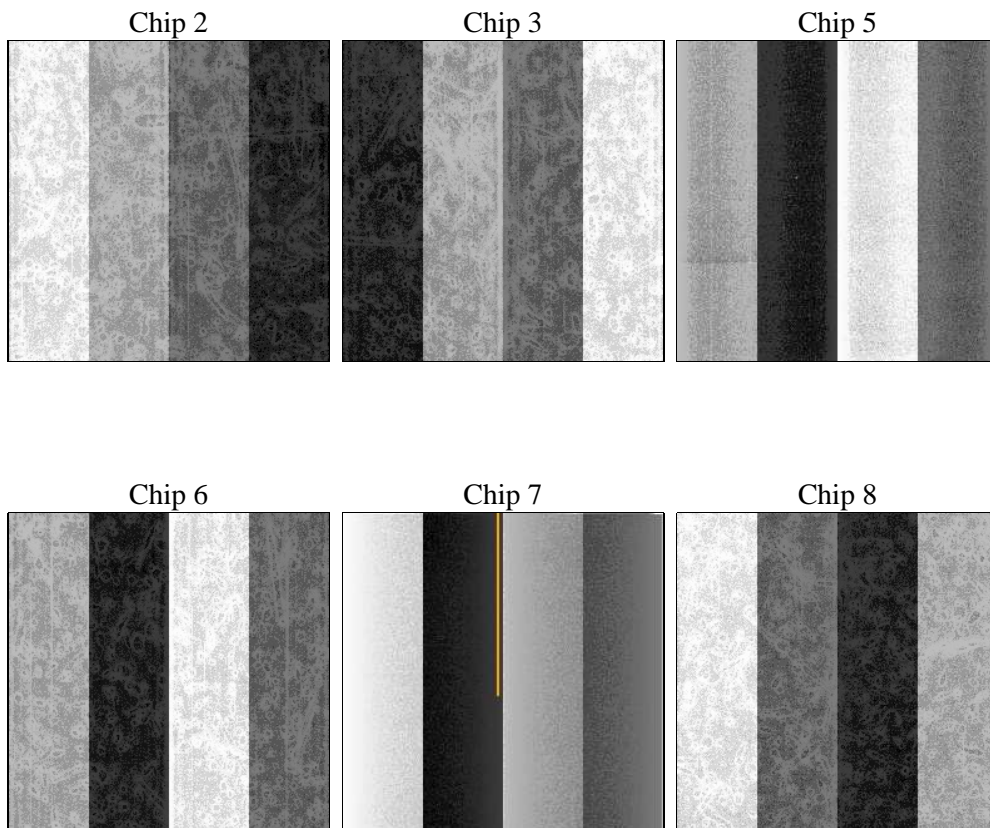
2 OBI

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	4753.802370131	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4753.8434101343	Sum of GTIs [s]
date	2012-10-24T18:27:24	Date and time of file creation	ontime3	4753.6792501211	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4753.7613301277	Sum of GTIs [s]
			ontime6	4753.7202901244	Sum of GTIs [s]
			ontime7	4753.802370131	Sum of GTIs [s]
			ontime8	4750.3971303105	Sum of GTIs [s]
			l1events	217607	Number of level 1 events

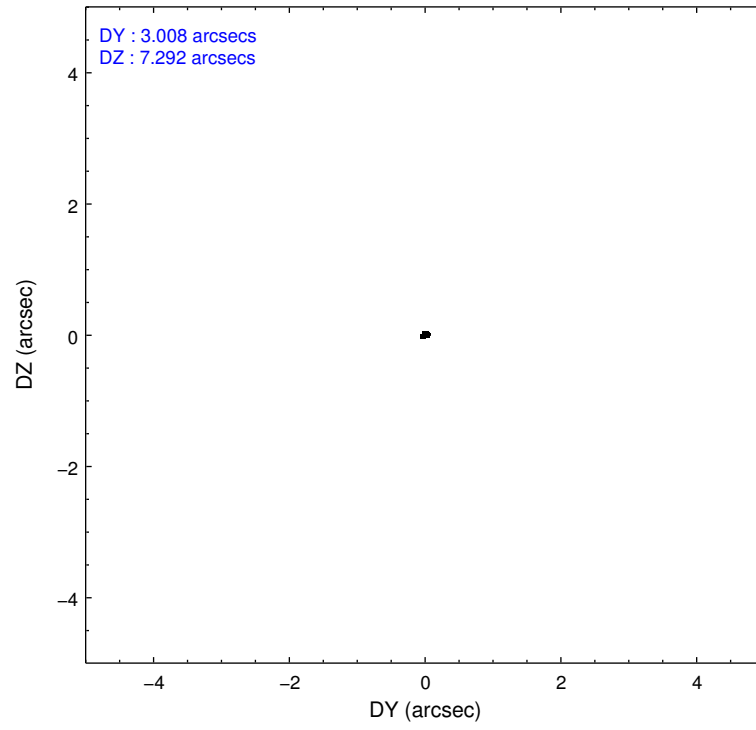
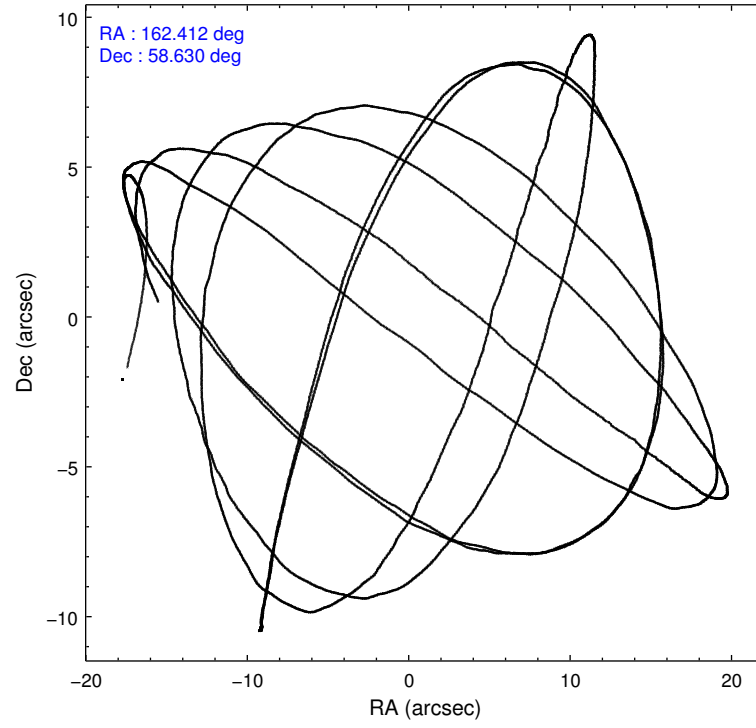
2.1.4 Events

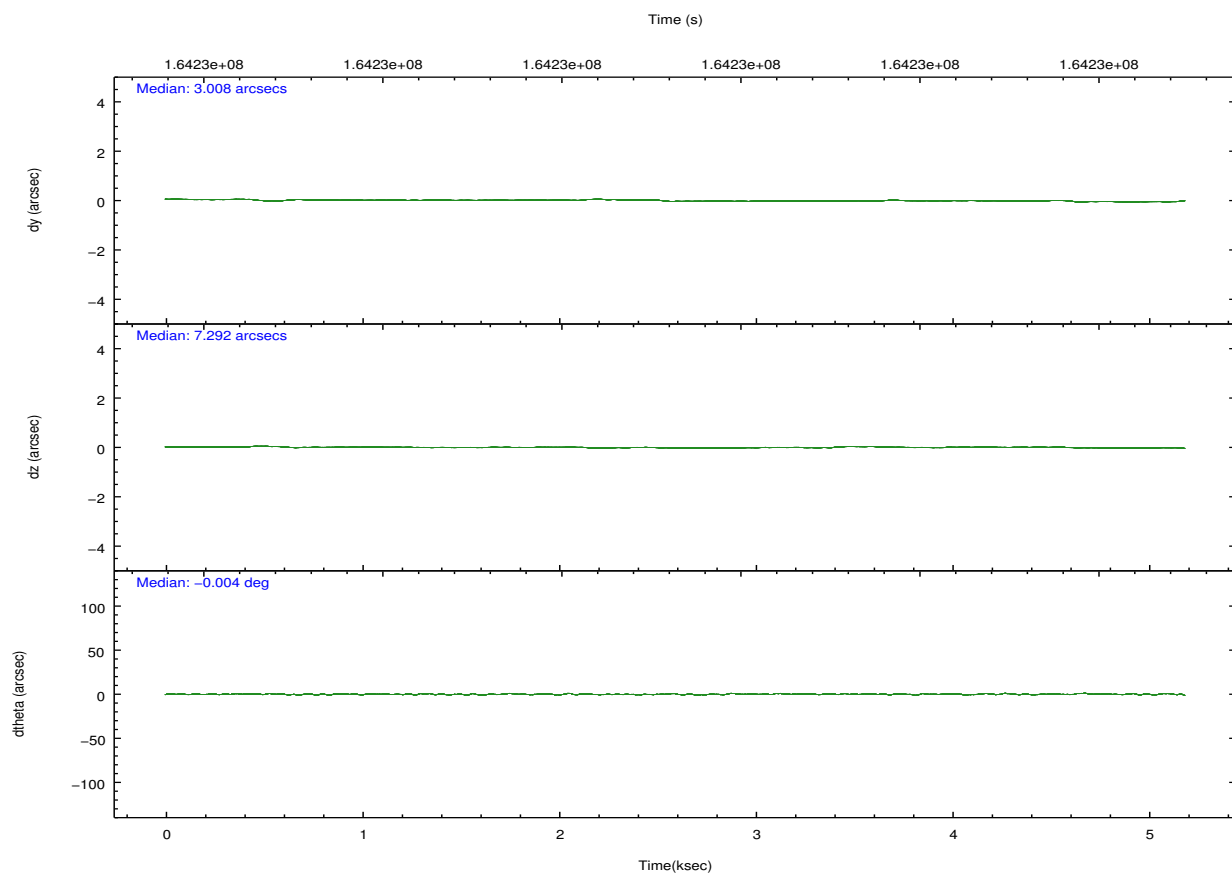
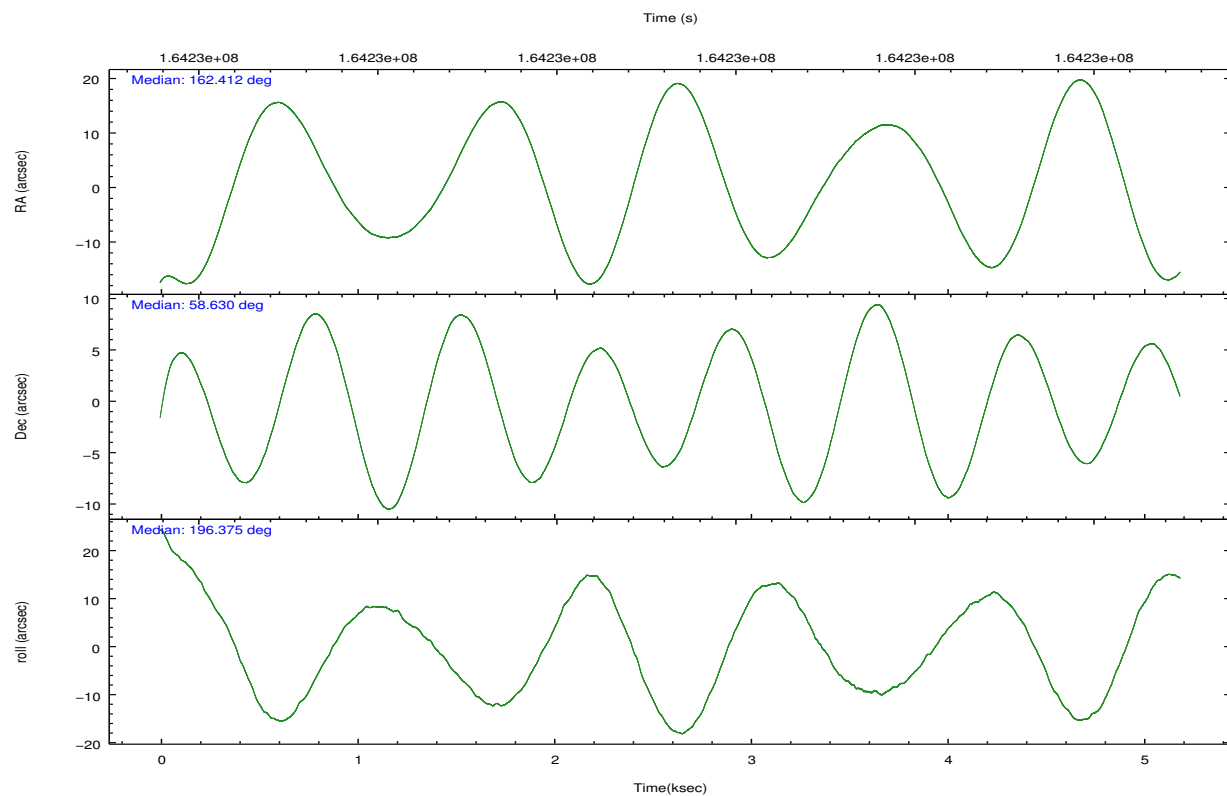
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30342	28578	47475	29733	40620	40859	grade 0 events	1514	1440	3939	1326	1670	2509
rejected events	26926	25341	24691	26283	23498	33028		4%	5%	8%	4%	4%	6%
rejected %	88%	88%	52%	88%	57%	80%	grade 1 events	12	17	367	11	33	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	676	621	6059	729	3468	1657
								2%	2%	12%	2%	8%	4%
							grade 3 events	317	299	960	361	1570	796
								1%	1%	2%	1%	3%	1%
							grade 4 events	349	333	922	324	1528	802
								1%	1%	1%	1%	3%	1%
							grade 5 events	1167	1246	3463	1365	3817	1711
								3%	4%	7%	4%	9%	4%
							grade 6 events	563	547	10923	711	8898	2071
								1%	1%	23%	2%	21%	5%
							grade 7 events	25744	24075	20842	24906	19636	31287
								84%	84%	43%	83%	48%	76%

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	162.447962	162.4122310889695	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.649569	58.62963603458137	Alternating exposures requested	N	N
[deg] Pointing Roll	196.191215	196.3783663692152	[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)	164229220.184000	164228535.46347			
Observation start date	2003-03-16T19:12:36	2003-03-16T19:02:15			
[s] Observation end time (MET)	164234220.184000	164234593.72622			
Observation end date	2003-03-16T20:35:56	2003-03-16T20:43:13			
Read mode	TIMED	TIMED			

2.3 Aspect



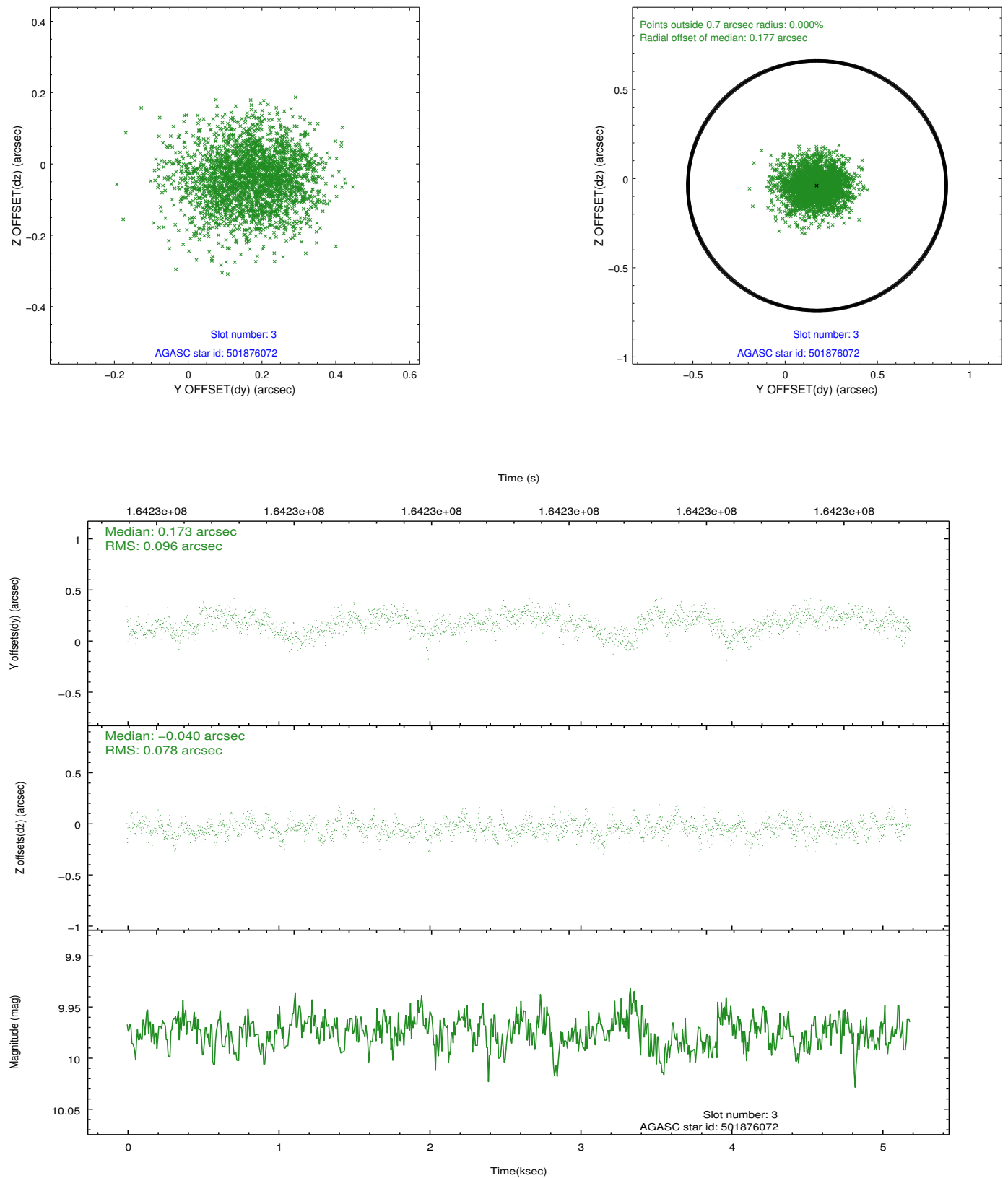


Slot Statistics

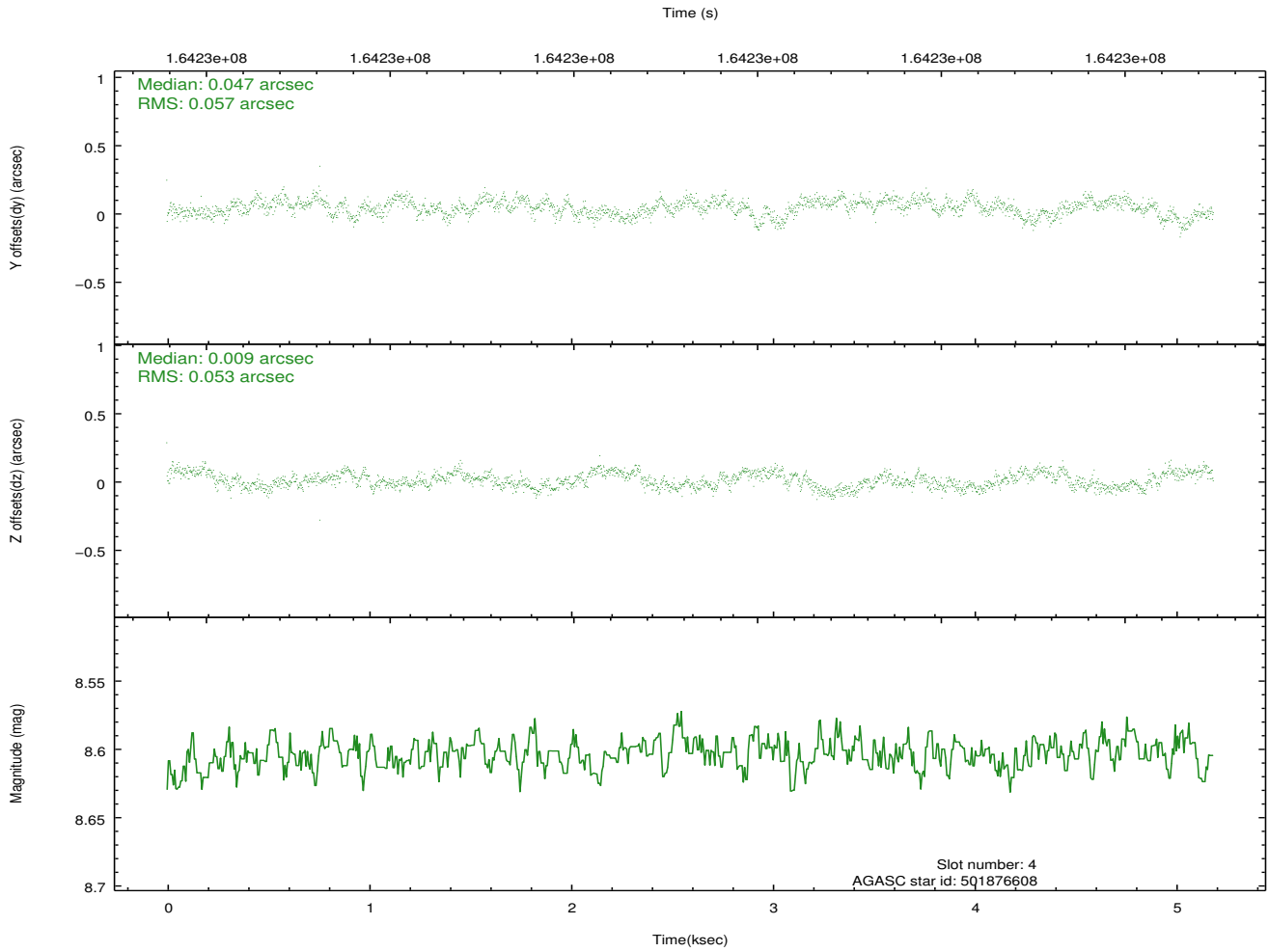
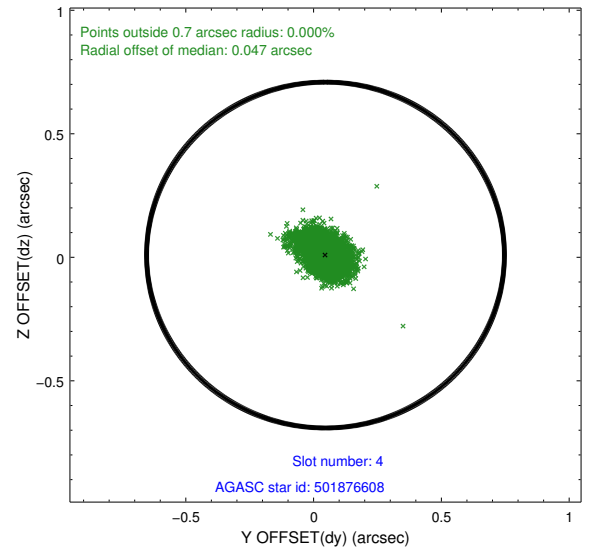
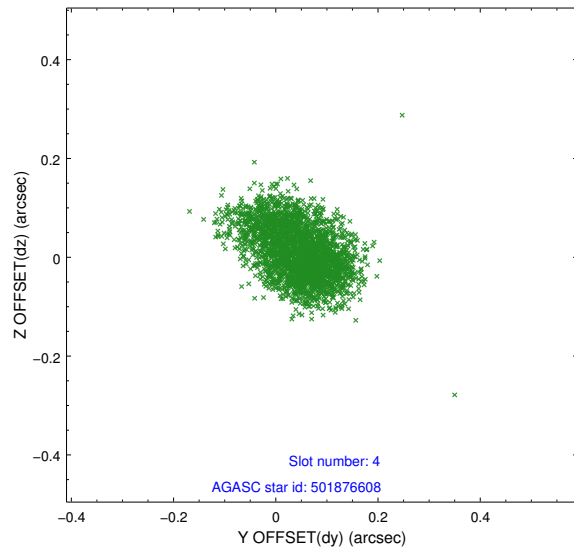
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1265	-0.025	-0.010	0.007	0.011	0.000000	0.000000	-755.67	-1728.48
1	FID	ACIS-S-4	7.21	1265	0.014	0.015	0.005	0.010	0.000000	0.000000	2157.11	178.83
2	FID	ACIS-S-5	7.24	1265	-0.019	0.004	0.007	0.012	0.000000	0.000000	-1807.01	173.81
3	GUIDE	501876072	9.97	2531	0.173	-0.040	0.131	0.212	161.273533	58.620125	2138.37	-530.01
4	GUIDE	501876608	8.60	2530	0.047	0.009	0.083	0.131	161.204341	58.717464	2159.23	-903.22
5	GUIDE	501875064	9.12	2531	-0.027	0.048	0.077	0.124	163.017696	58.369846	-751.93	1262.93
6	GUIDE	501878640	8.41	2531	-0.138	0.003	0.064	0.101	163.346309	59.049577	-2002.42	-928.97
7	GUIDE	501877664	9.04	2530	-0.029	-0.011	0.174	0.240	163.740288	58.664193	-2345.46	601.76

2.4 Star Slots

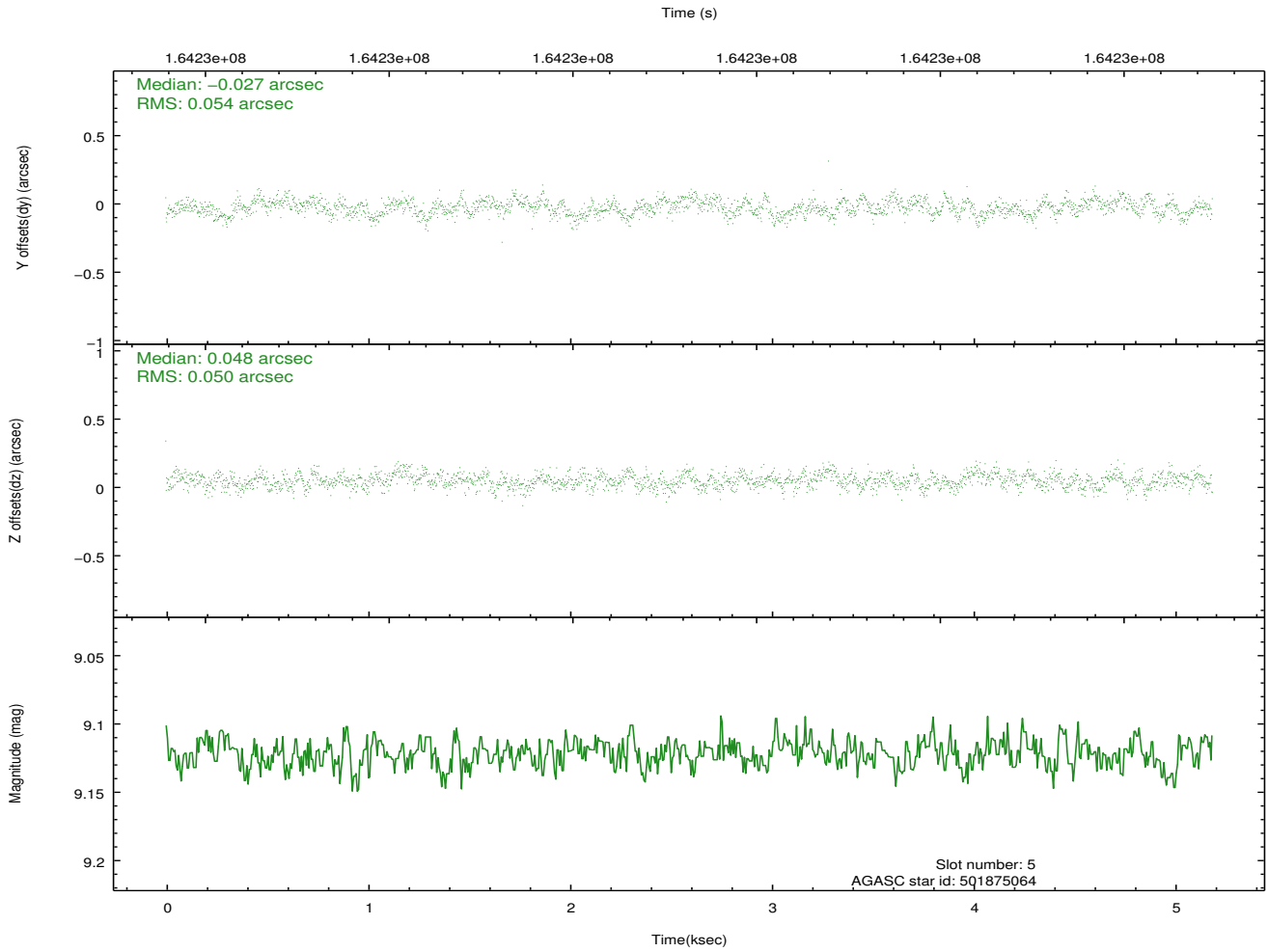
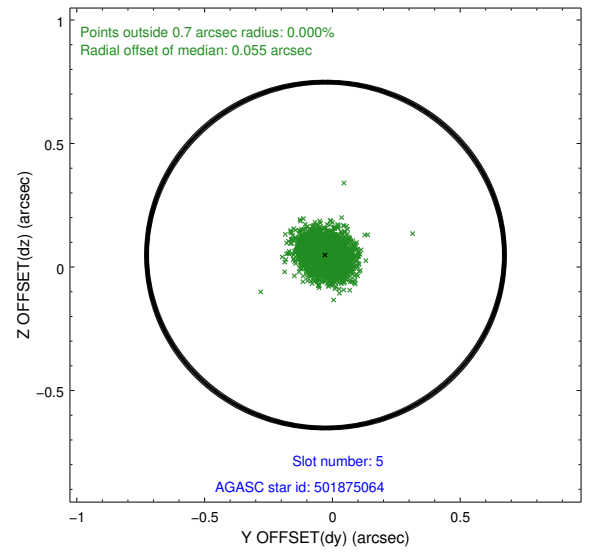
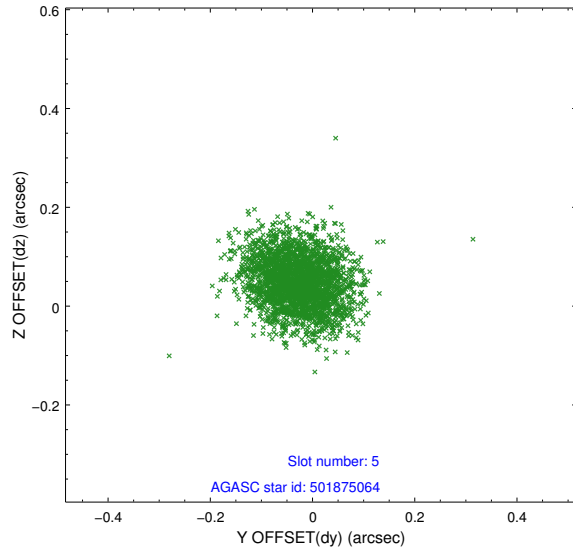
2.4.1 Slot 3



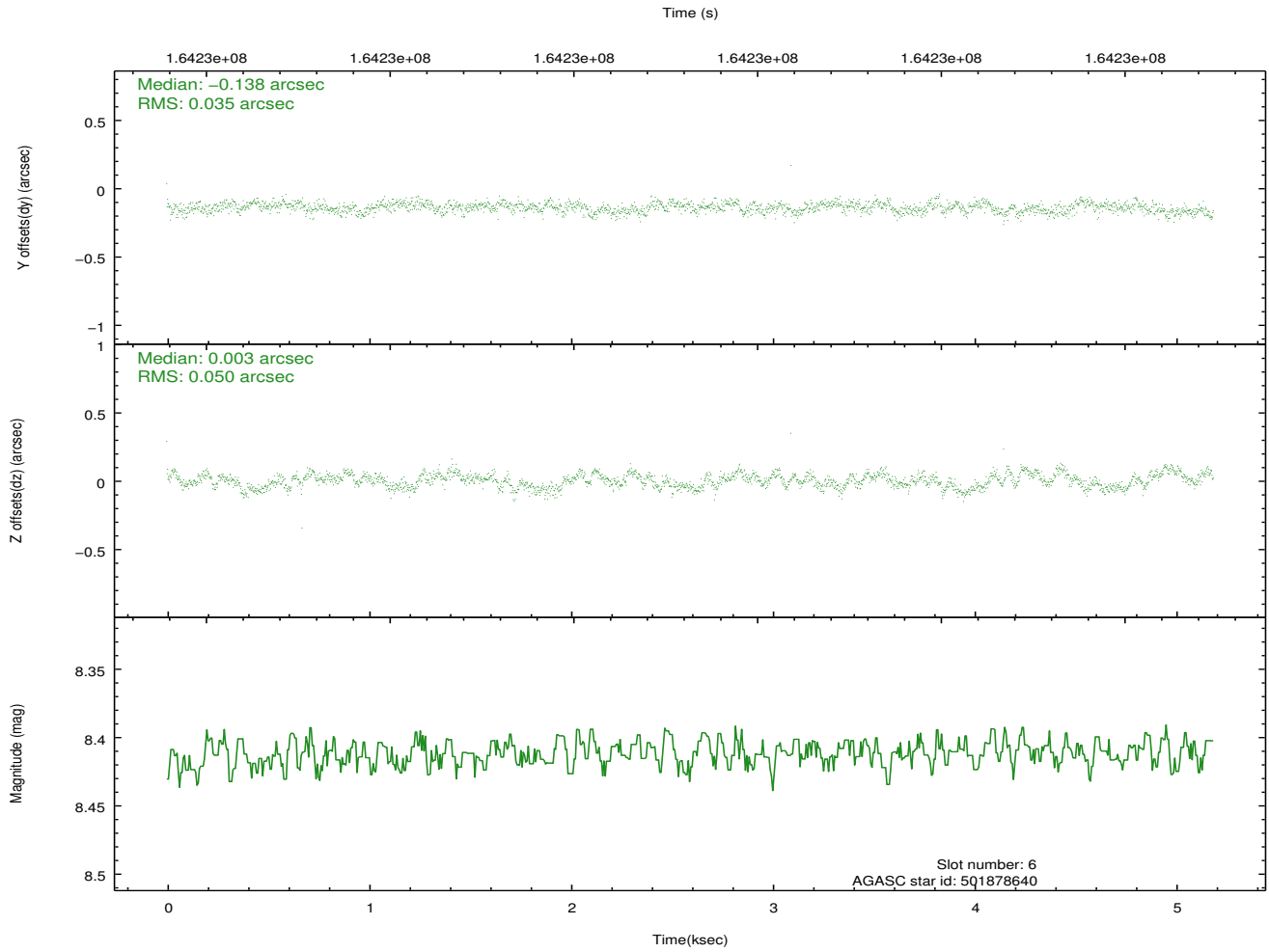
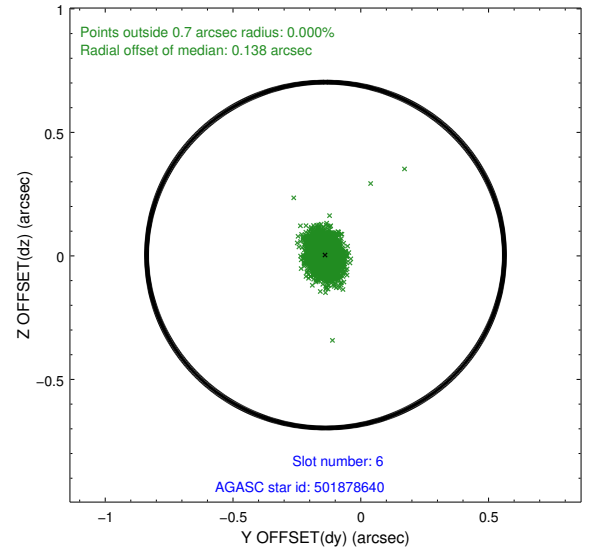
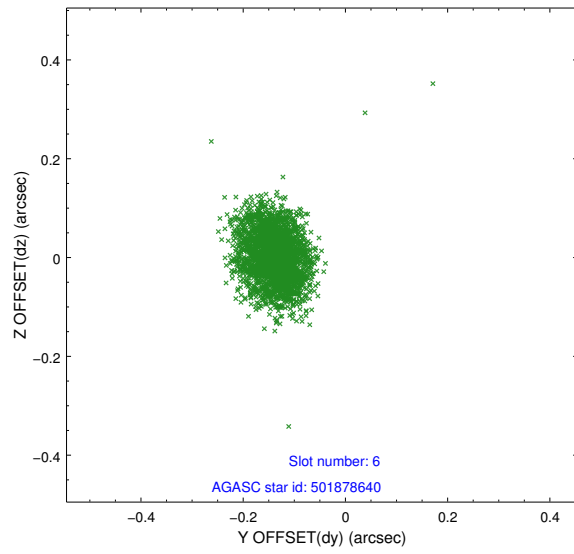
2.4.2 Slot 4



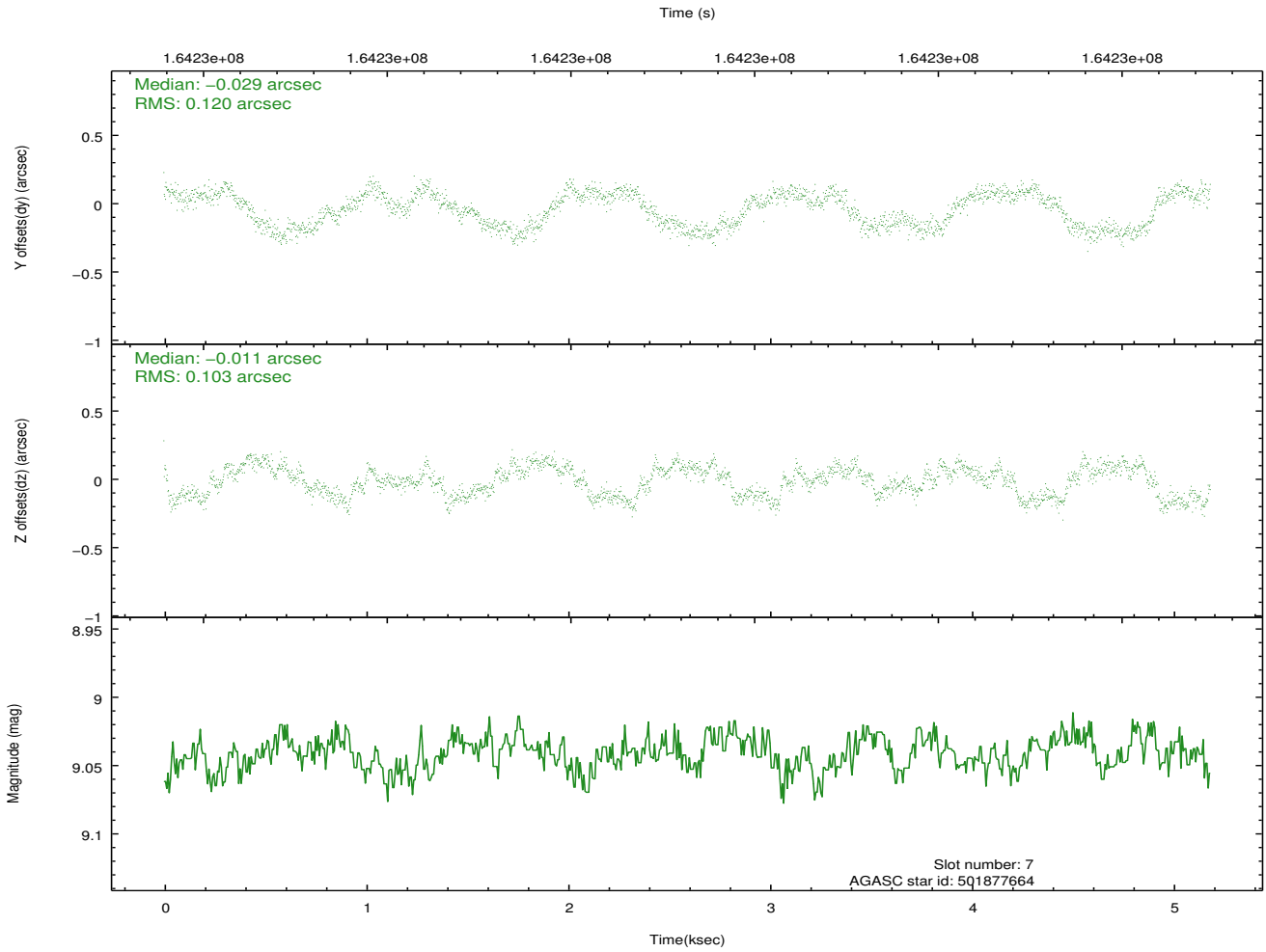
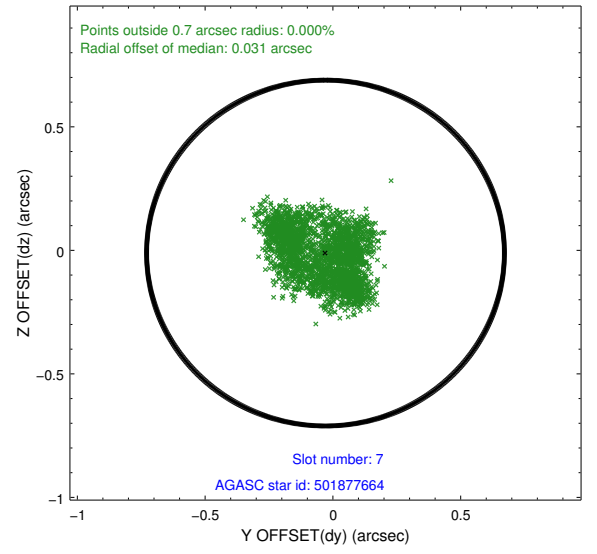
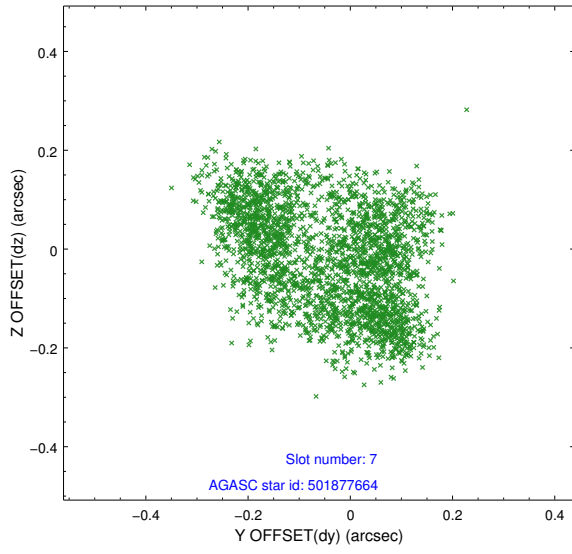
2.4.3 Slot 5



2.4.4 Slot 6

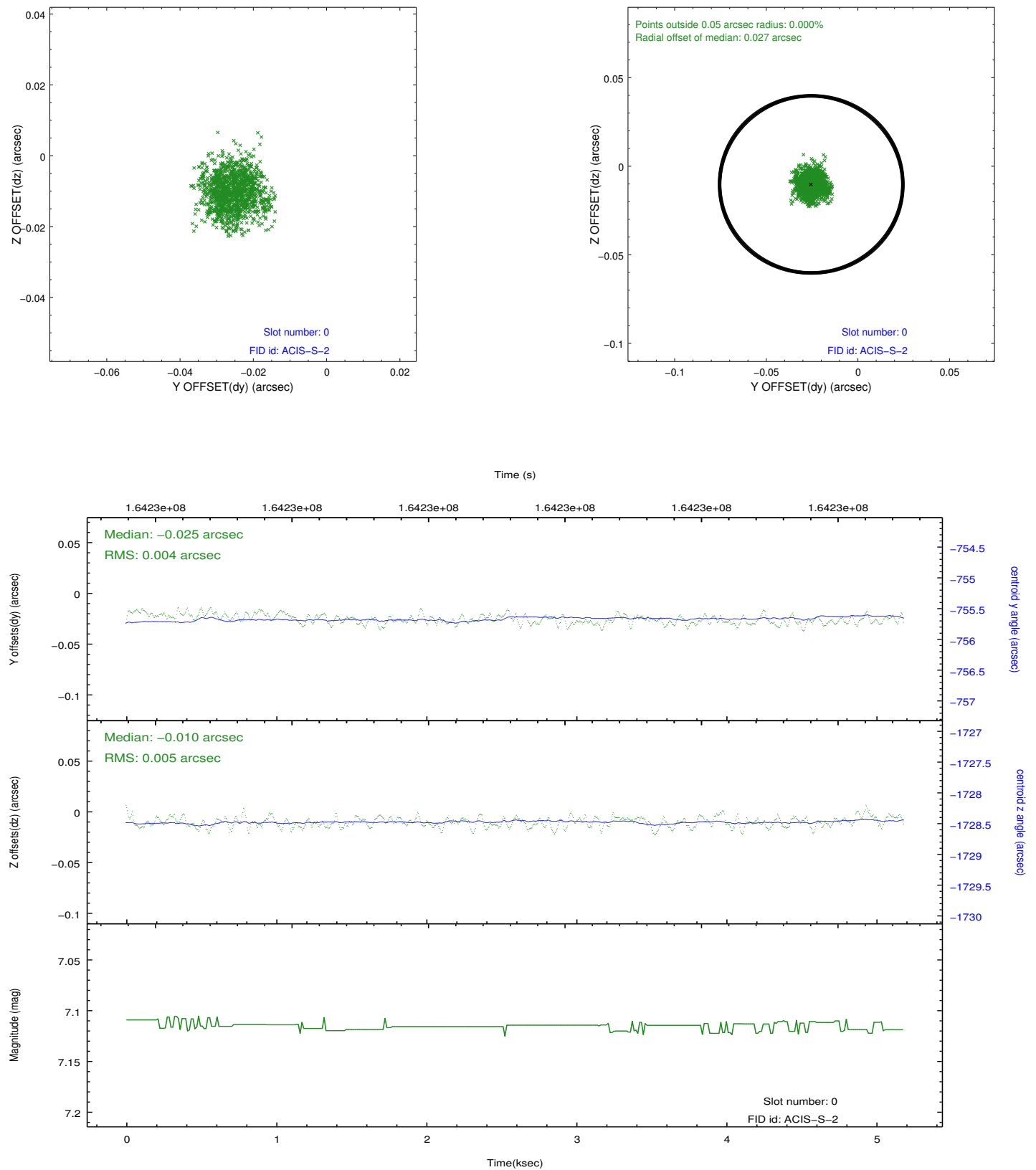


2.4.5 Slot 7

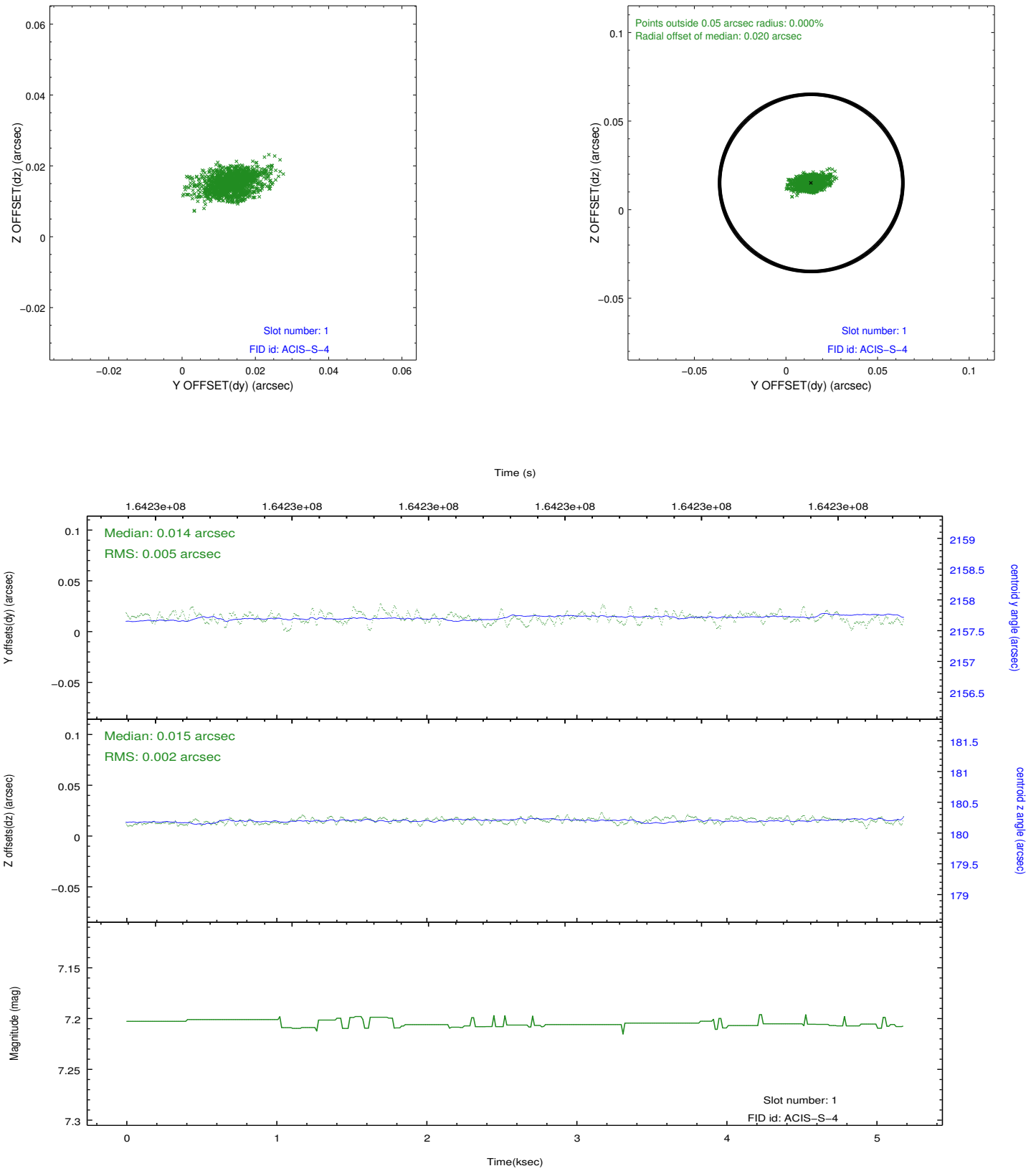


2.5 FID Slots

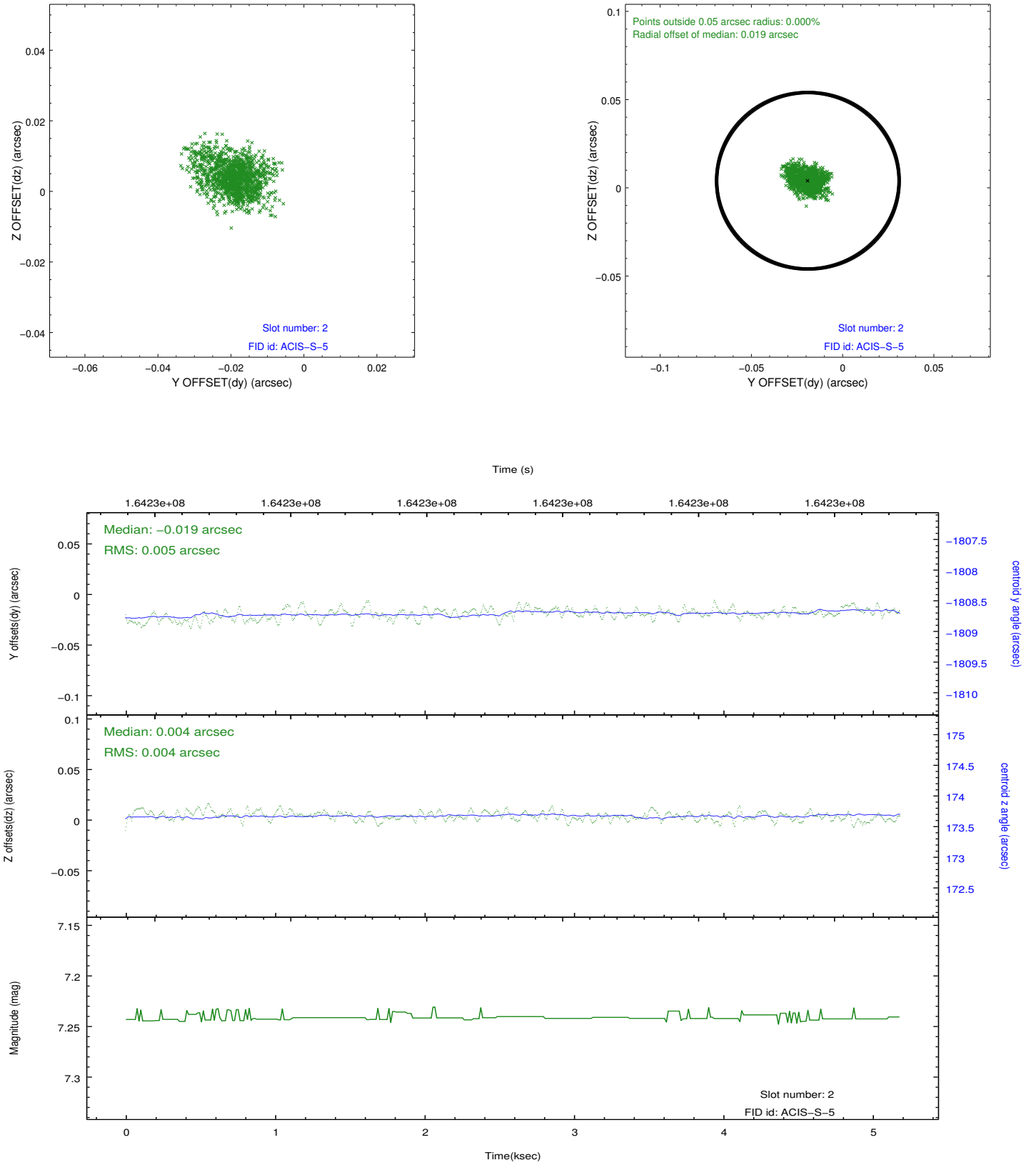
2.5.1 Slot 0



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	4.755

A.2 Comments