

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4039 - L2 Version 3
Chandra X-Ray Center

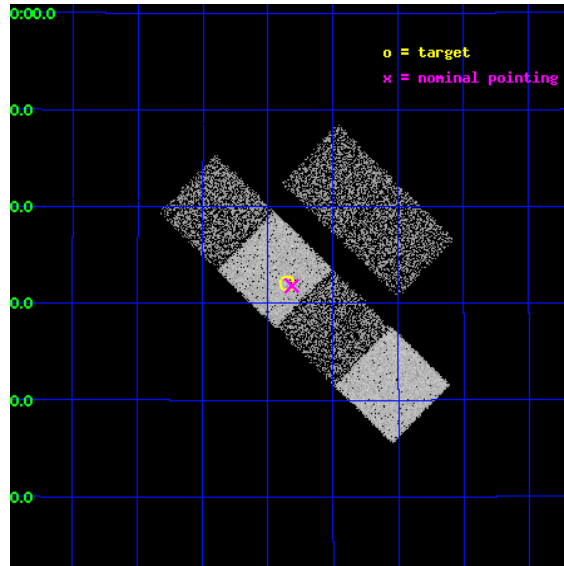
L2 Processing Date : Oct 26 2012

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1 Front

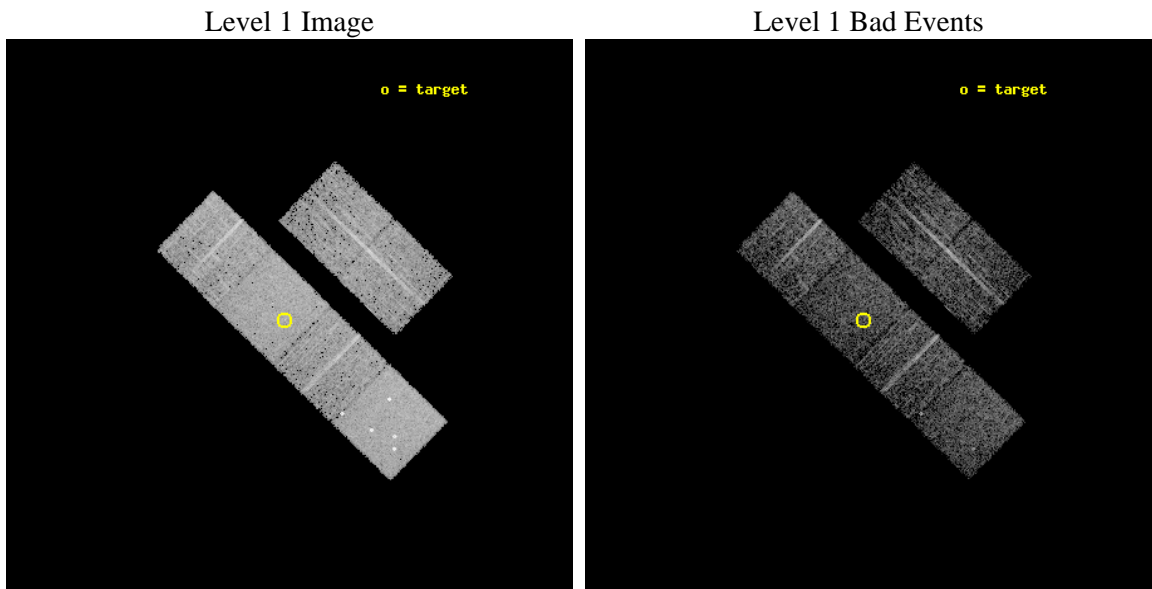
seq_num	700718	Sequence number
obs_id	4039	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS112751+243208	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.962917	Observer's specified target RA [deg]
dec_targ	24.535583	Observer's specified target Dec [deg]
ra_nom	171.954141842	Nominal RA [deg]
dec_nom	24.530237060361	Nominal Dec [deg]
roll_nom	224.24494760012	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4258.9293878973	Sum of GTIs [s]
livetime	4205.0002595683	Livetime [s]
ontime2	4258.9704279006	Sum of GTIs [s]
ontime3	4258.8062678874	Sum of GTIs [s]
ontime5	4258.888347894	Sum of GTIs [s]
ontime6	4258.8473078907	Sum of GTIs [s]
ontime7	4258.9293878973	Sum of GTIs [s]
ontime8	4258.7652279139	Sum of GTIs [s]
l2events	40742	Number of level 2 events



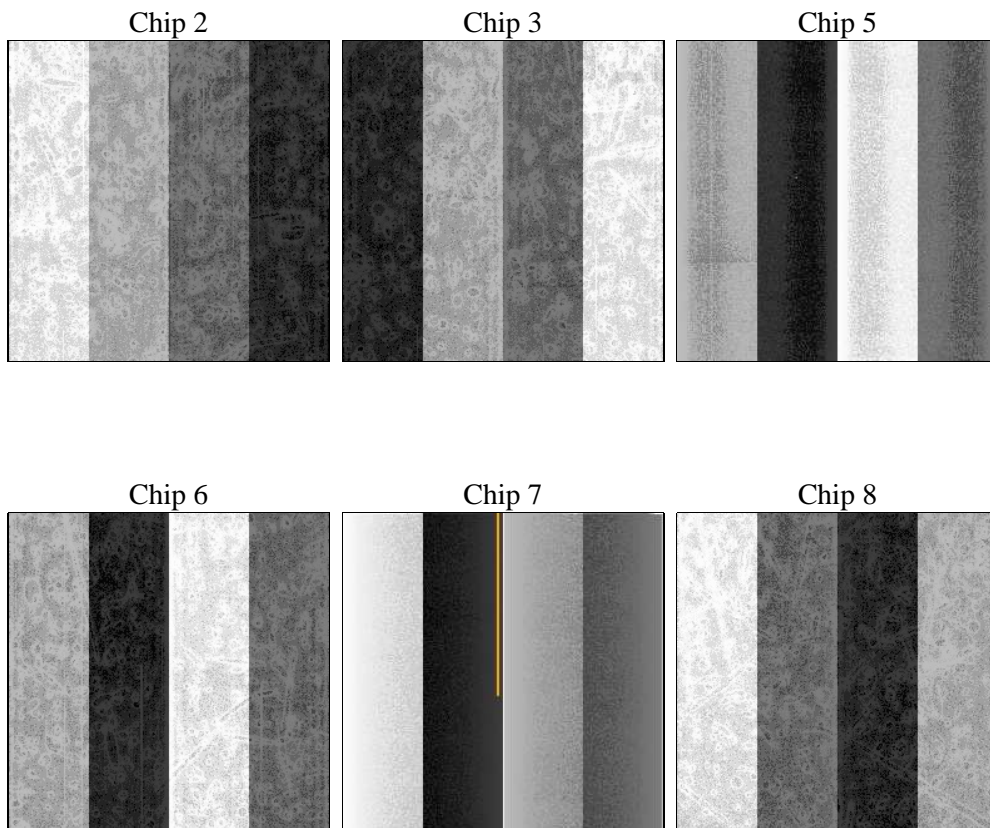
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4258.9293878973	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4258.9704279006	Sum of GTIs [s]
date	2012-10-26T13:16:16	Date and time of file creation	ontime3	4258.8062678874	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4258.888347894	Sum of GTIs [s]
			ontime6	4258.8473078907	Sum of GTIs [s]
			ontime7	4258.9293878973	Sum of GTIs [s]
			ontime8	4258.7652279139	Sum of GTIs [s]
			l1events	185040	Number of level 1 events

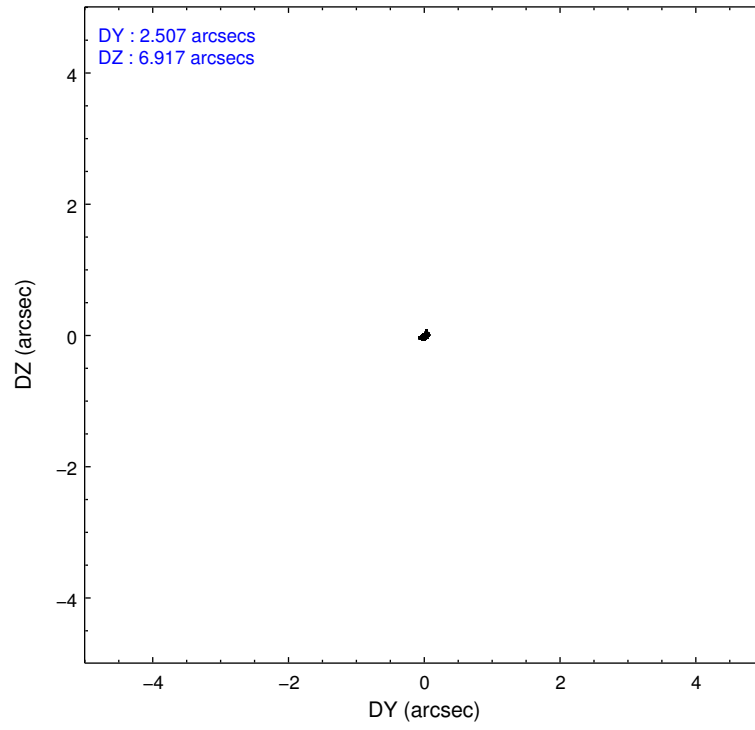
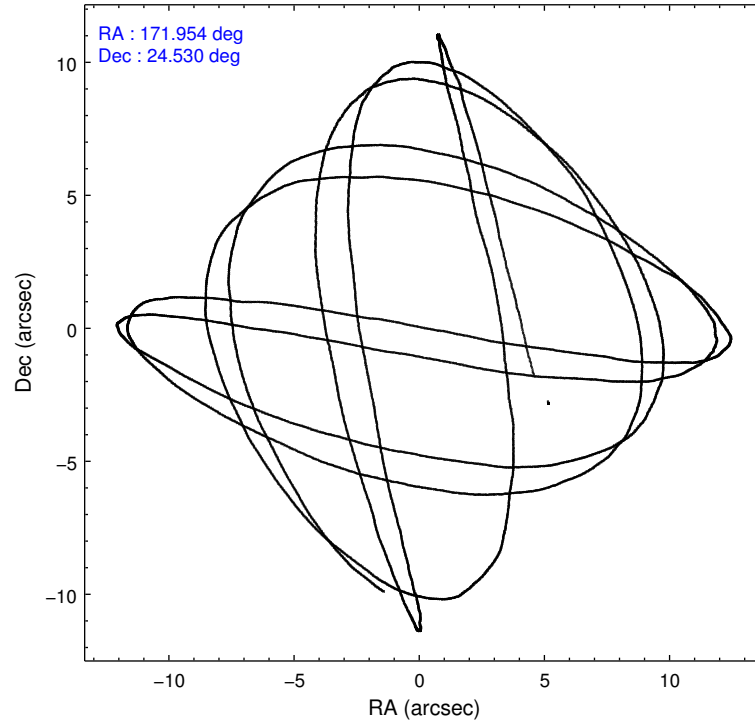
2.1.4 Events

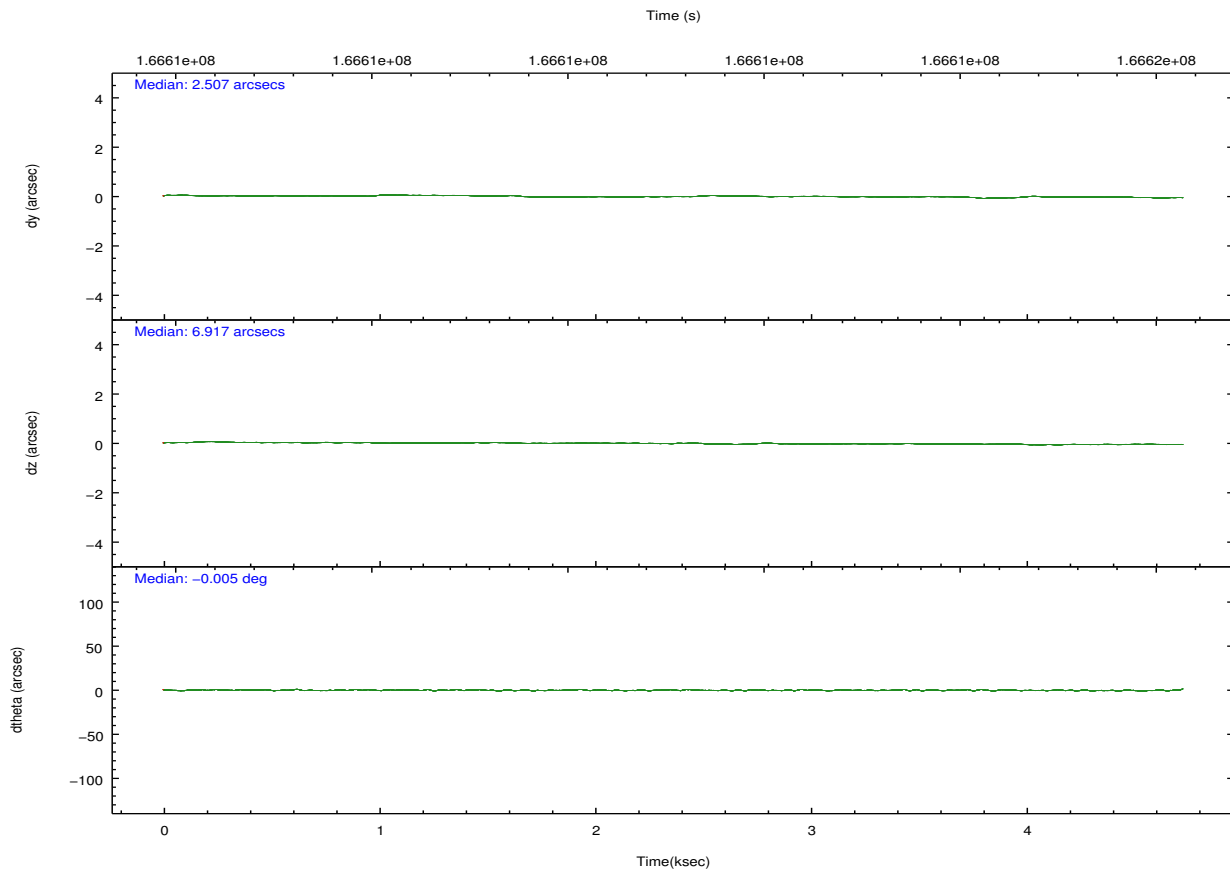
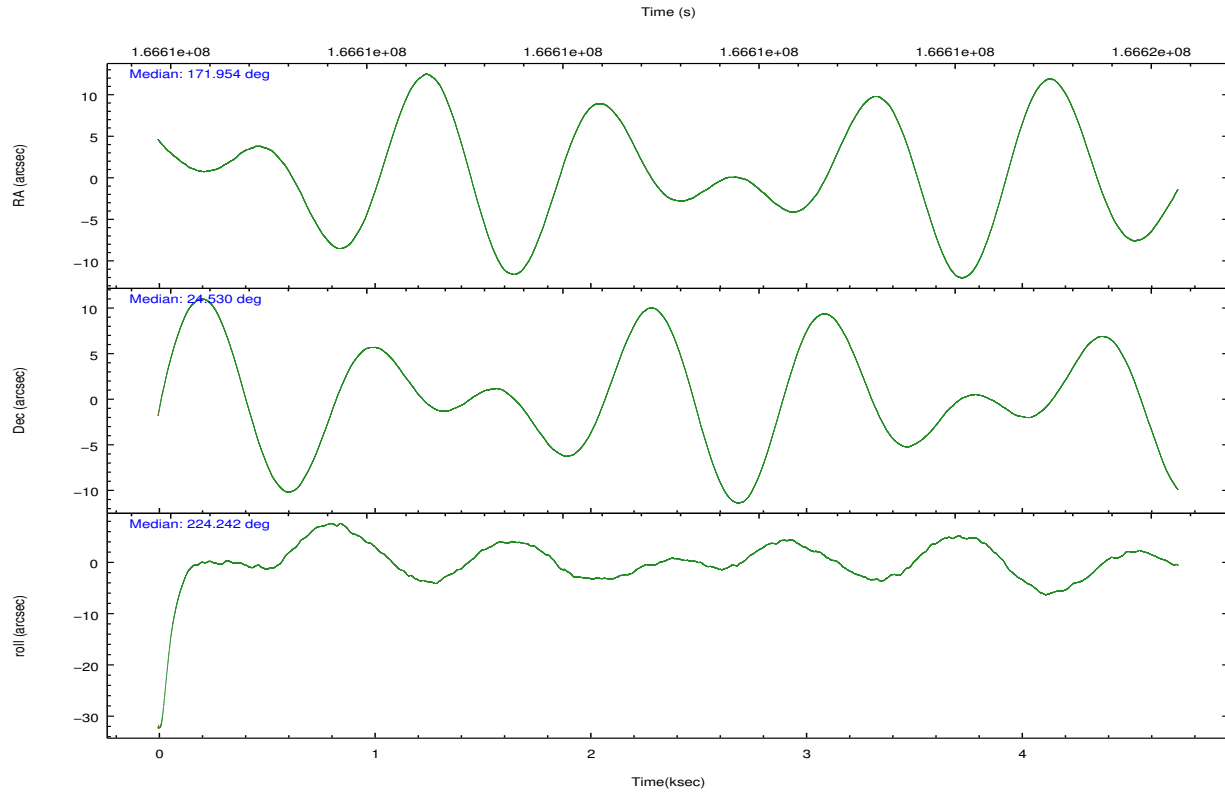
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25361	24692	40895	26132	34622	33338	grade 0 events	1383	1264	3550	1286	1361	2049
rejected events	22344	21806	21429	23019	20432	26835		5%	5%	8%	4%	3%	6%
rejected %	88%	88%	52%	88%	59%	80%	grade 1 events	20	15	134	14	40	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	605	540	5358	614	2815	1351
								2%	2%	13%	2%	8%	4%
							grade 3 events	275	312	733	316	1307	687
								1%	1%	1%	1%	3%	2%
							grade 4 events	274	285	757	288	1330	672
								1%	1%	1%	1%	3%	2%
							grade 5 events	967	1094	2976	1204	3282	1445
								3%	4%	7%	4%	9%	4%
							grade 6 events	484	491	9097	611	7400	1759
								1%	1%	22%	2%	21%	5%
							grade 7 events	21353	20691	18290	21799	17087	25359
								84%	83%	44%	83%	49%	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	171.961860	171.9541418419956	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.556468	24.53023706036149	Alternating exposures requested	N	N
[deg] Pointing Roll	224.085174	224.2449476001248	[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)	166610597.184000	166609515.75139			
Observation start date	2003-04-13T08:42:13	2003-04-13T08:25:15			
[s] Observation end time (MET)	166614897.184000	166615793.87665			
Observation end date	2003-04-13T09:53:53	2003-04-13T10:09:53			
Read mode	TIMED	TIMED			

2.3 Aspect



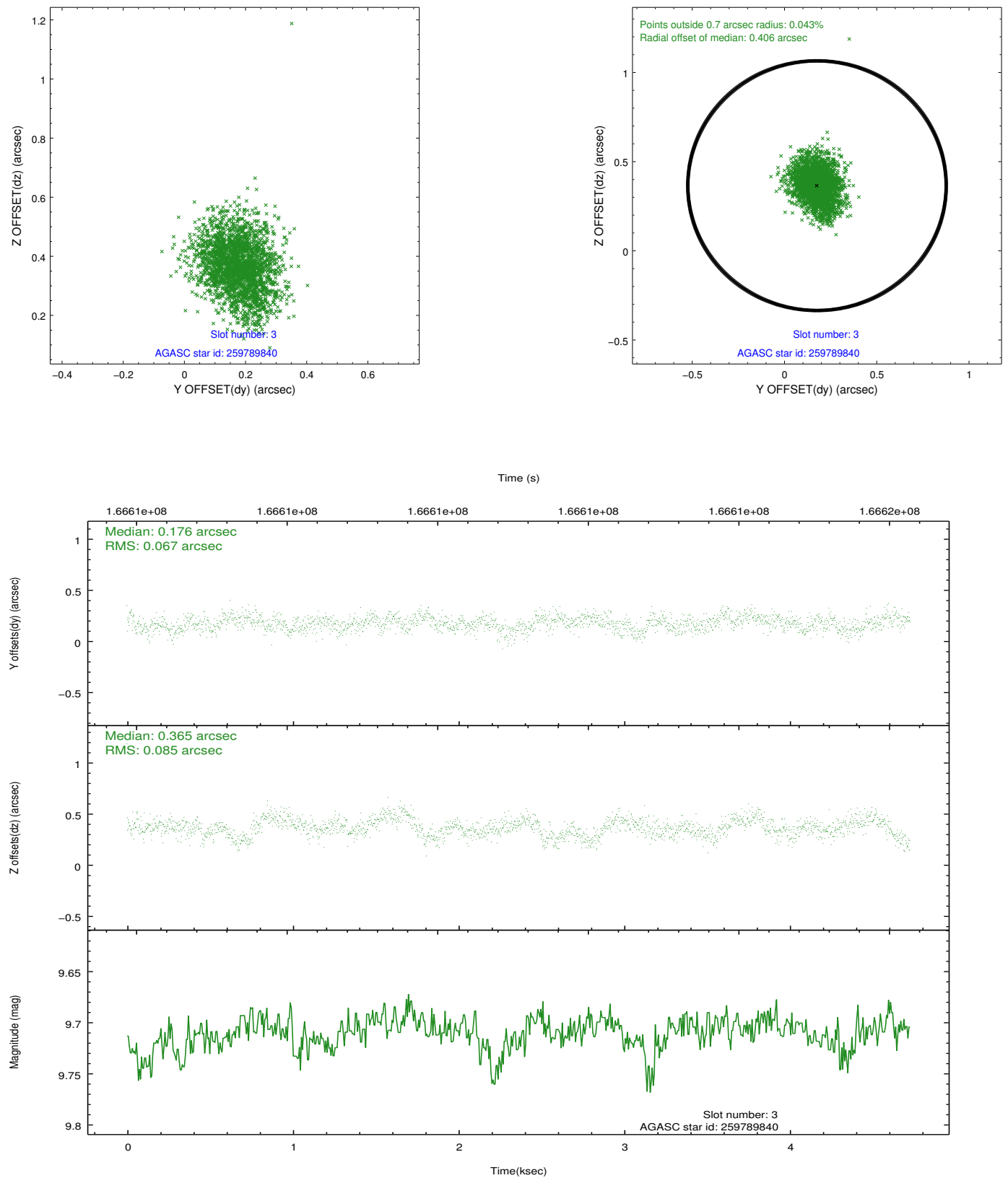


Slot Statistics

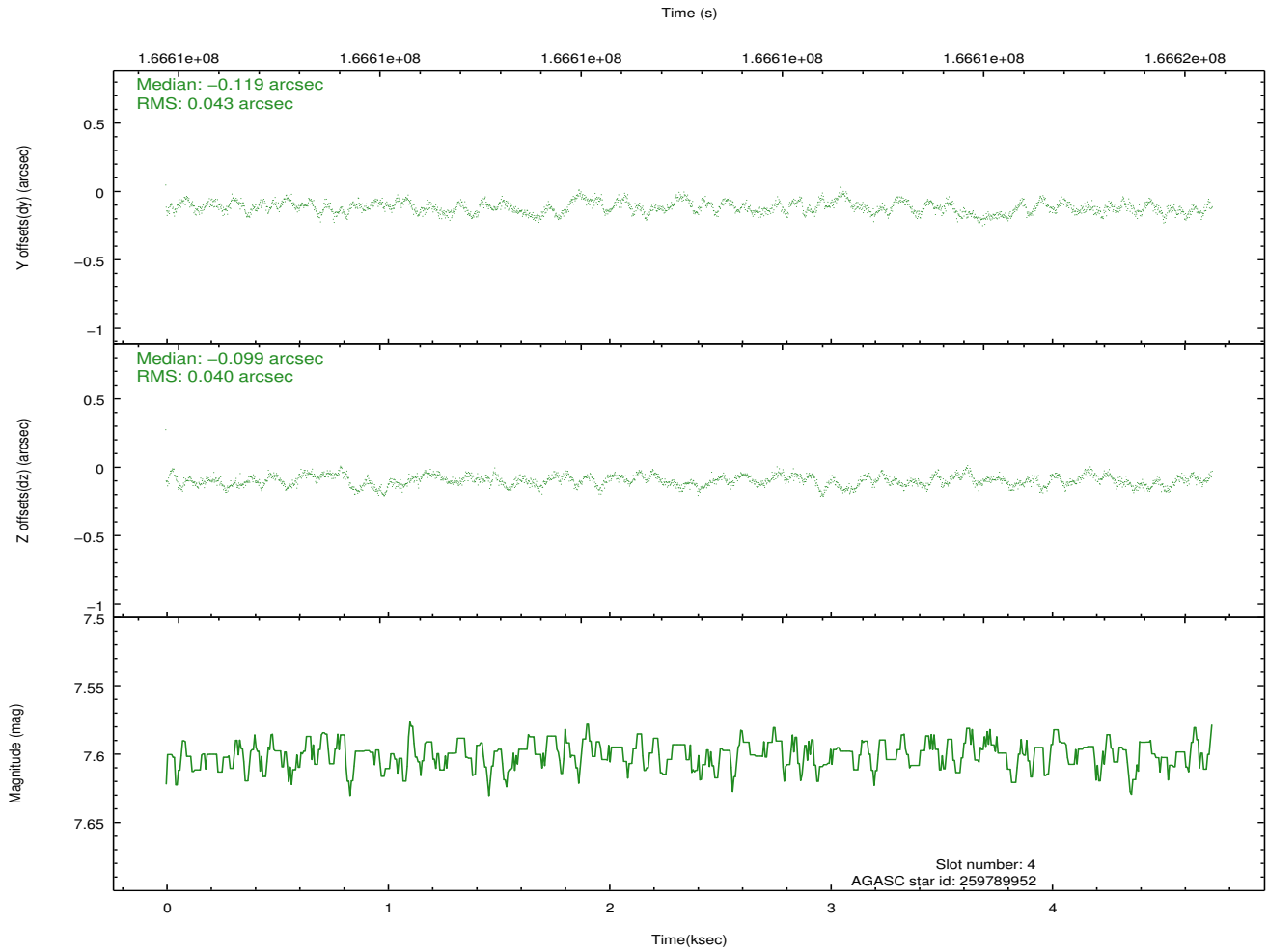
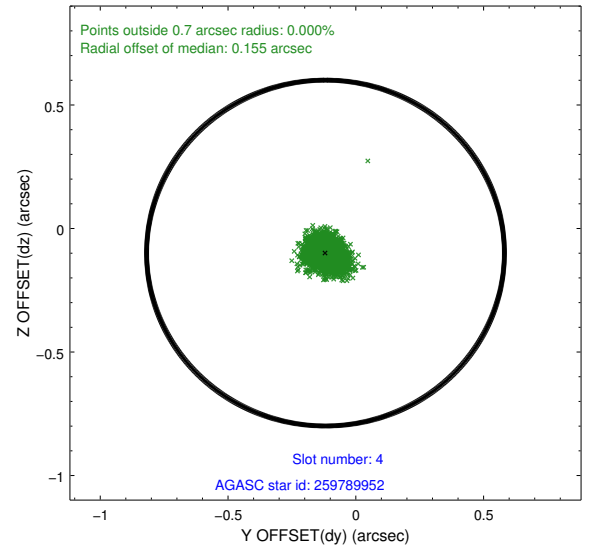
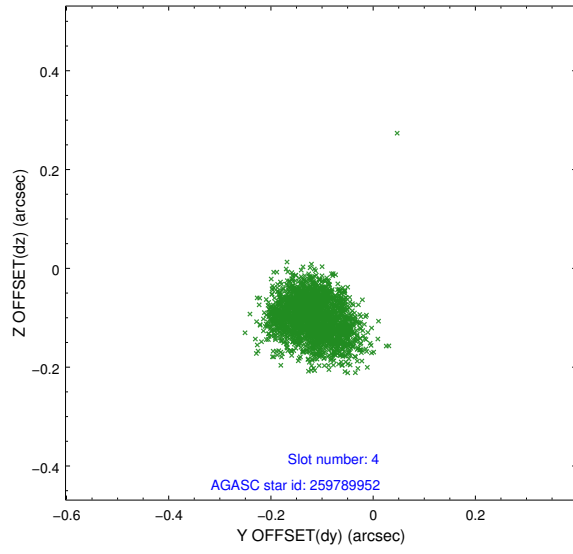
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1154	0.032	-0.047	0.007	0.011	0.000000	0.000000	940.91	-1723.76
1	FID	ACIS-S-4	7.20	1154	-0.031	0.022	0.006	0.011	0.000000	0.000000	2158.99	179.13
2	FID	ACIS-S-5	7.24	1154	-0.028	0.038	0.006	0.012	0.000000	0.000000	-1806.34	174.22
3	GUIDE	259789840	9.71	2306	0.176	0.365	0.114	0.190	171.876904	24.512460	310.73	-78.98
4	GUIDE	259789952	7.60	2307	-0.119	-0.099	0.063	0.097	172.507484	24.884483	-2103.46	389.21
5	GUIDE	259792928	7.97	2307	-0.169	-0.150	0.069	0.109	171.787472	25.027803	-772.48	-1614.51
6	GUIDE	259795728	9.61	2306	0.187	-0.096	0.087	0.144	171.817290	24.133238	1401.34	763.61
7	GUIDE	259791040	8.03	1153	-0.145	-0.038	0.048	0.082	172.466818	24.947365	-2163.35	134.53

2.4 Star Slots

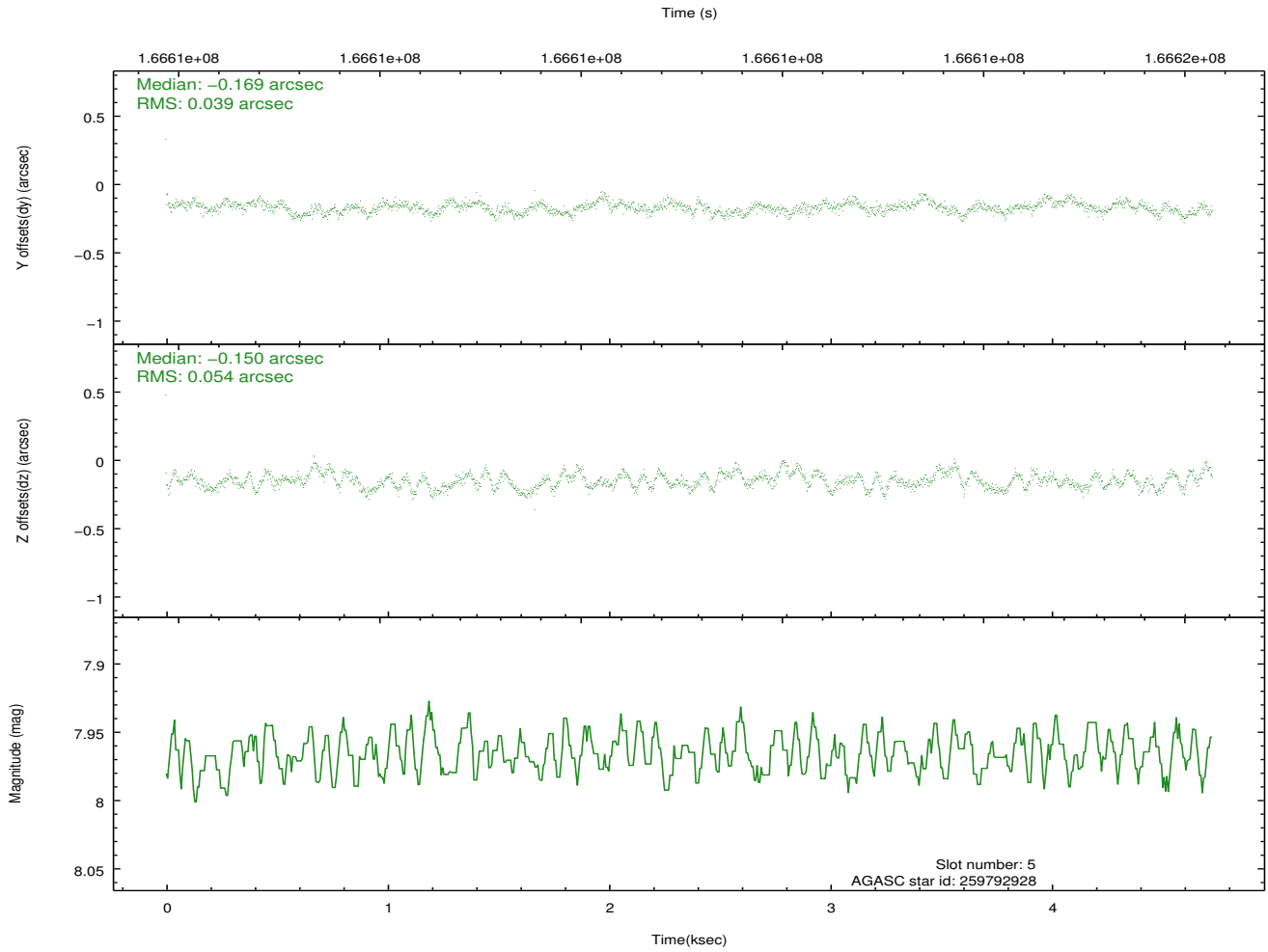
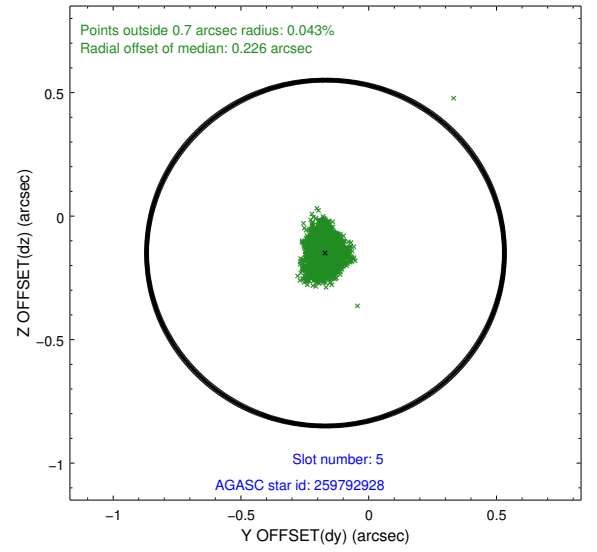
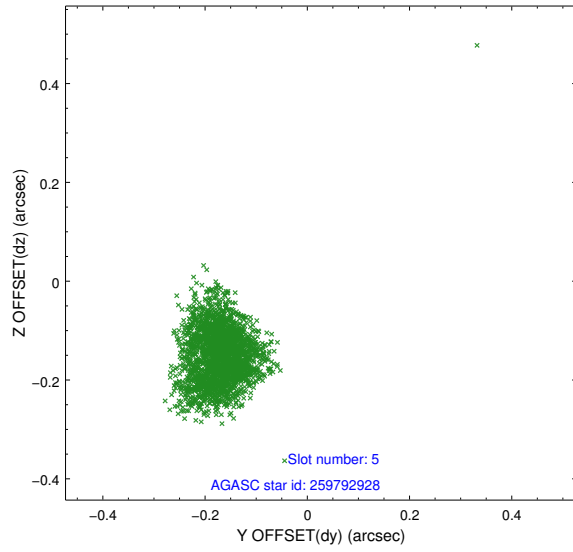
2.4.1 Slot 3



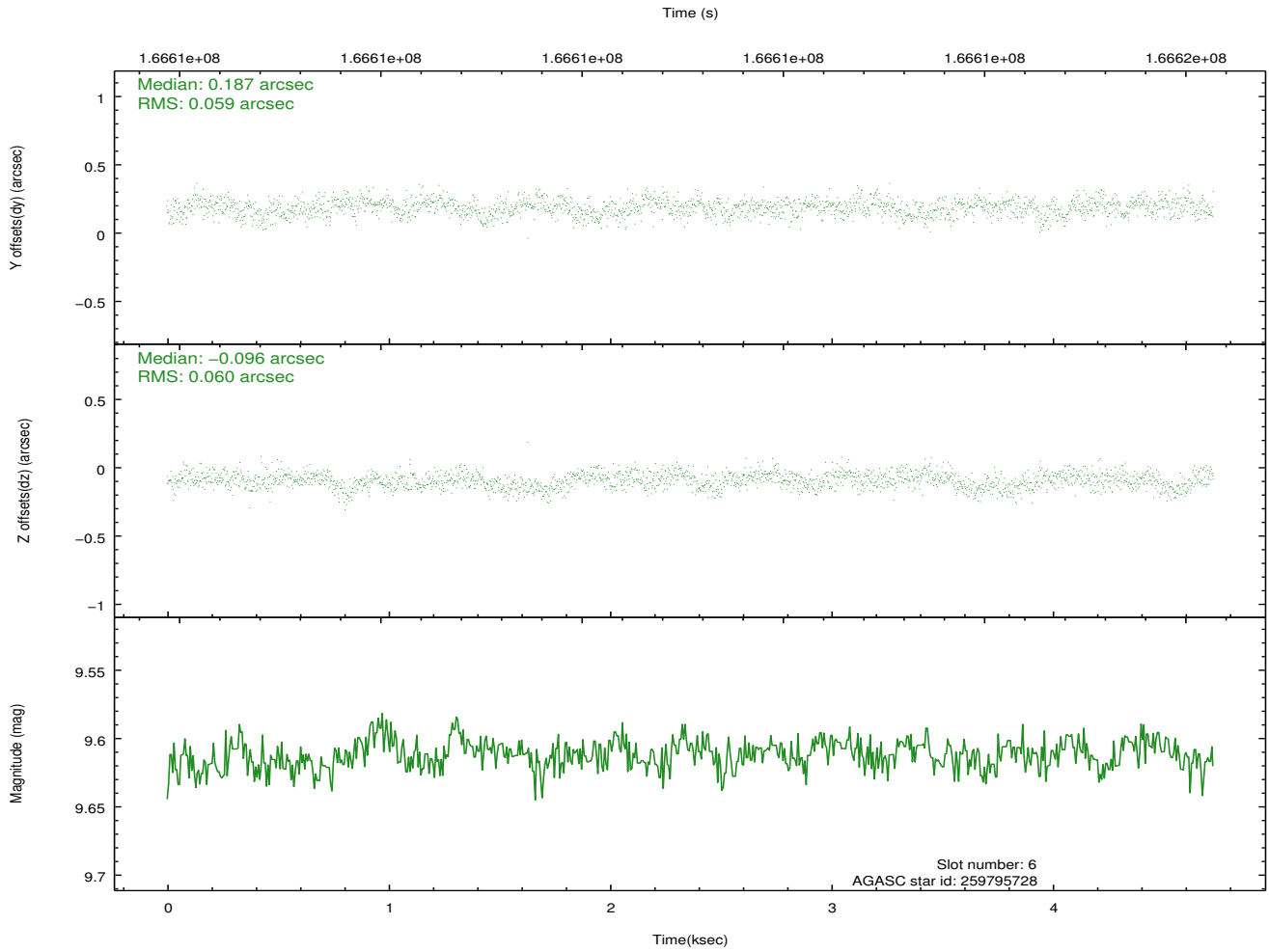
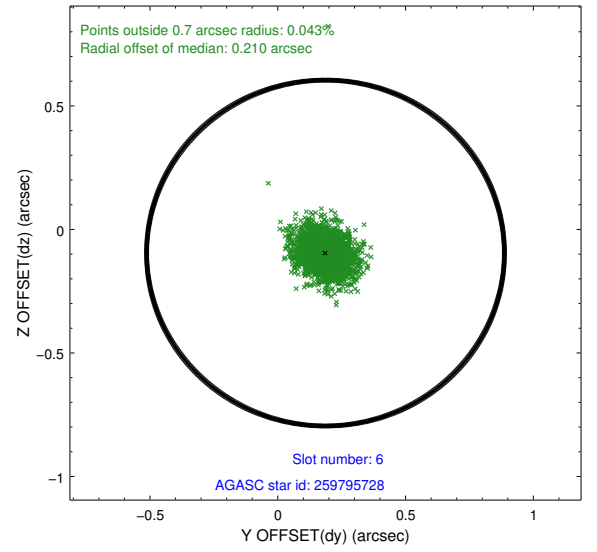
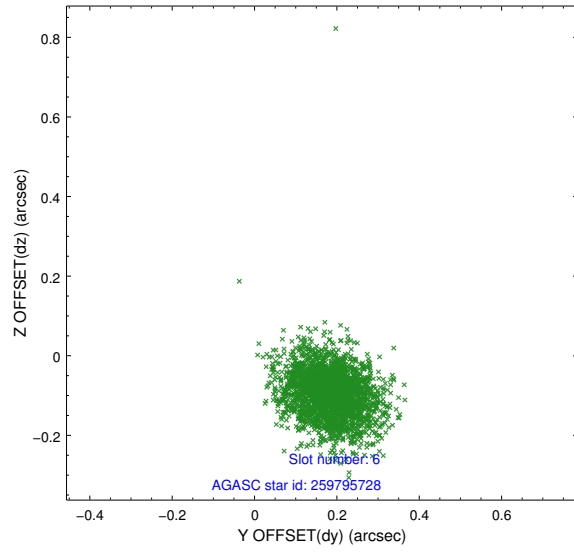
2.4.2 Slot 4



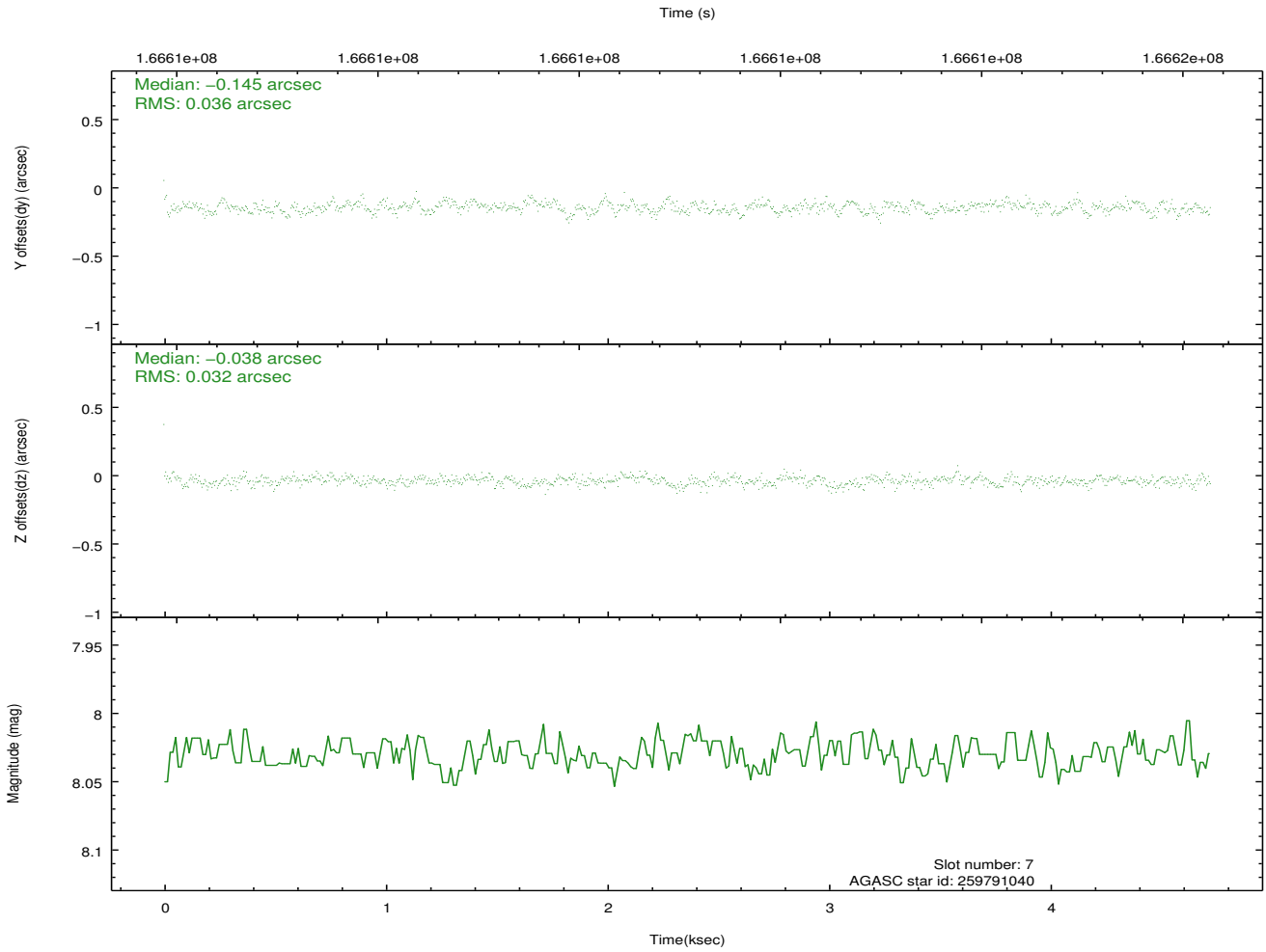
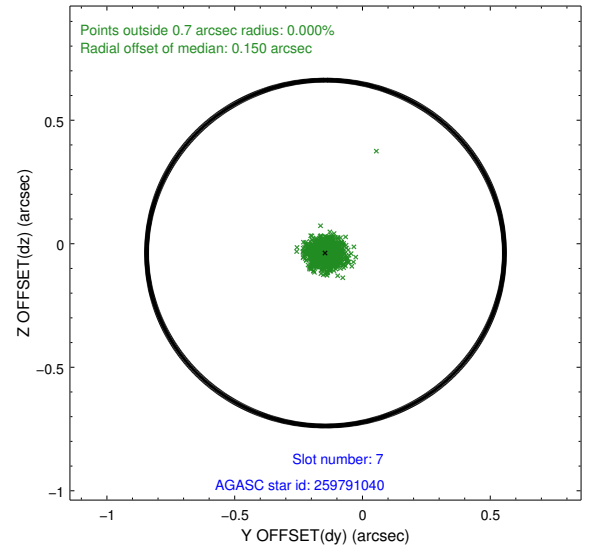
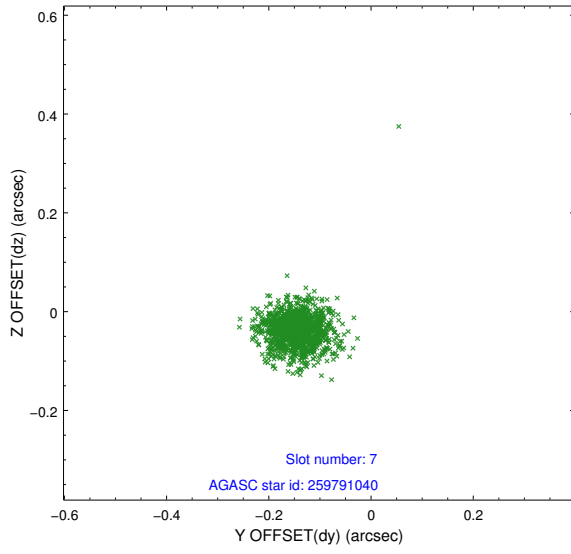
2.4.3 Slot 5



2.4.4 Slot 6

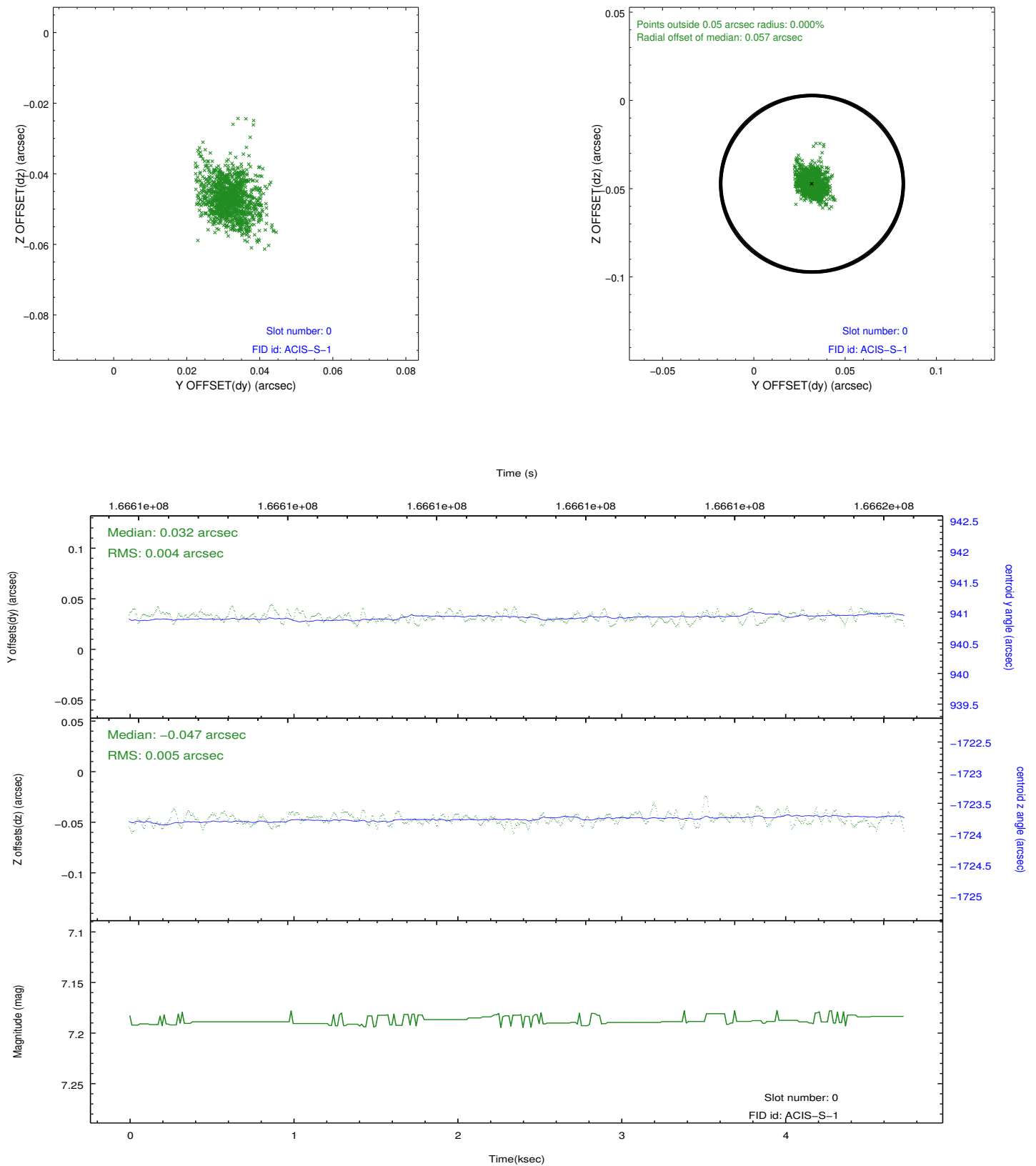


2.4.5 Slot 7

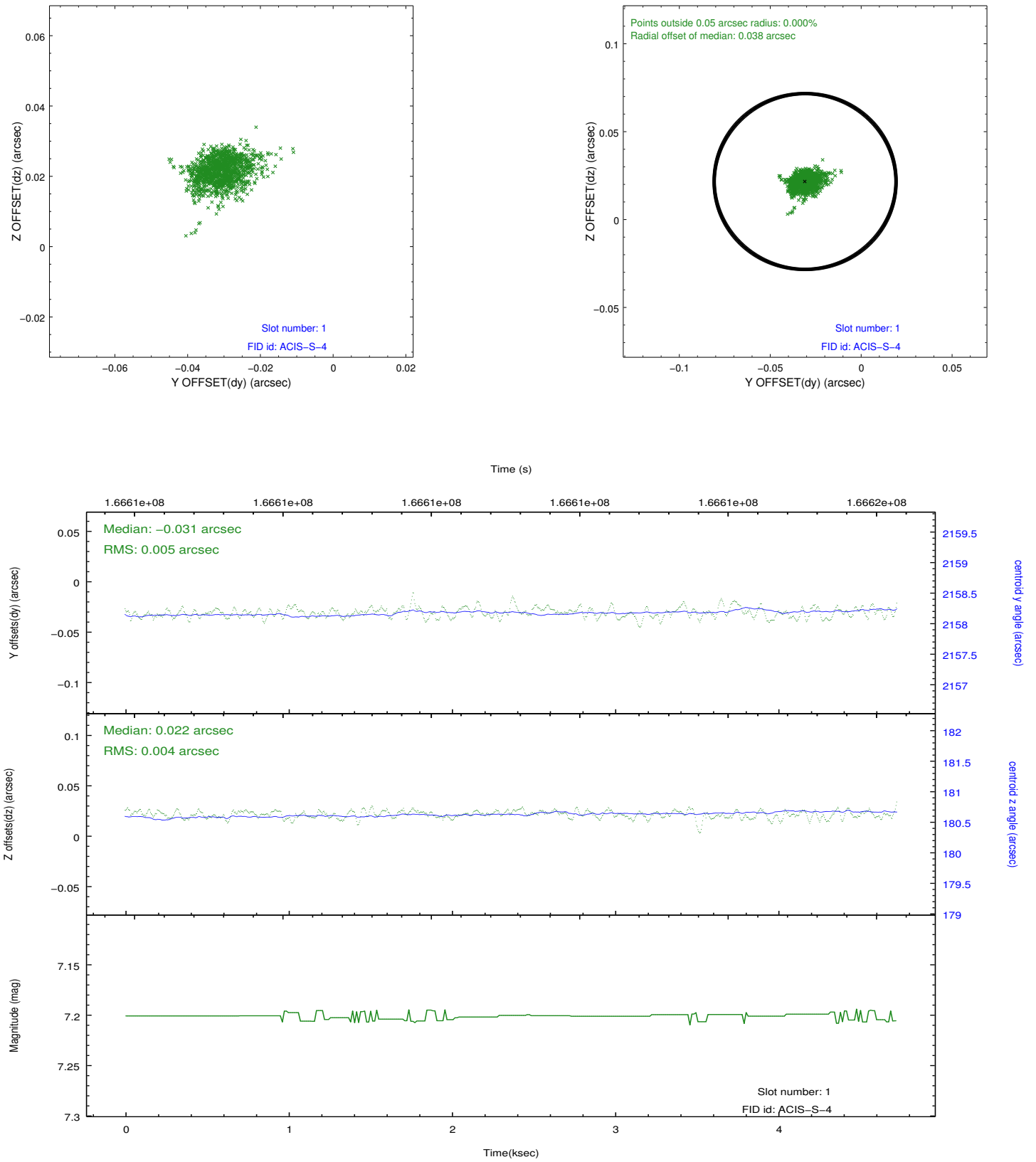


2.5 FID Slots

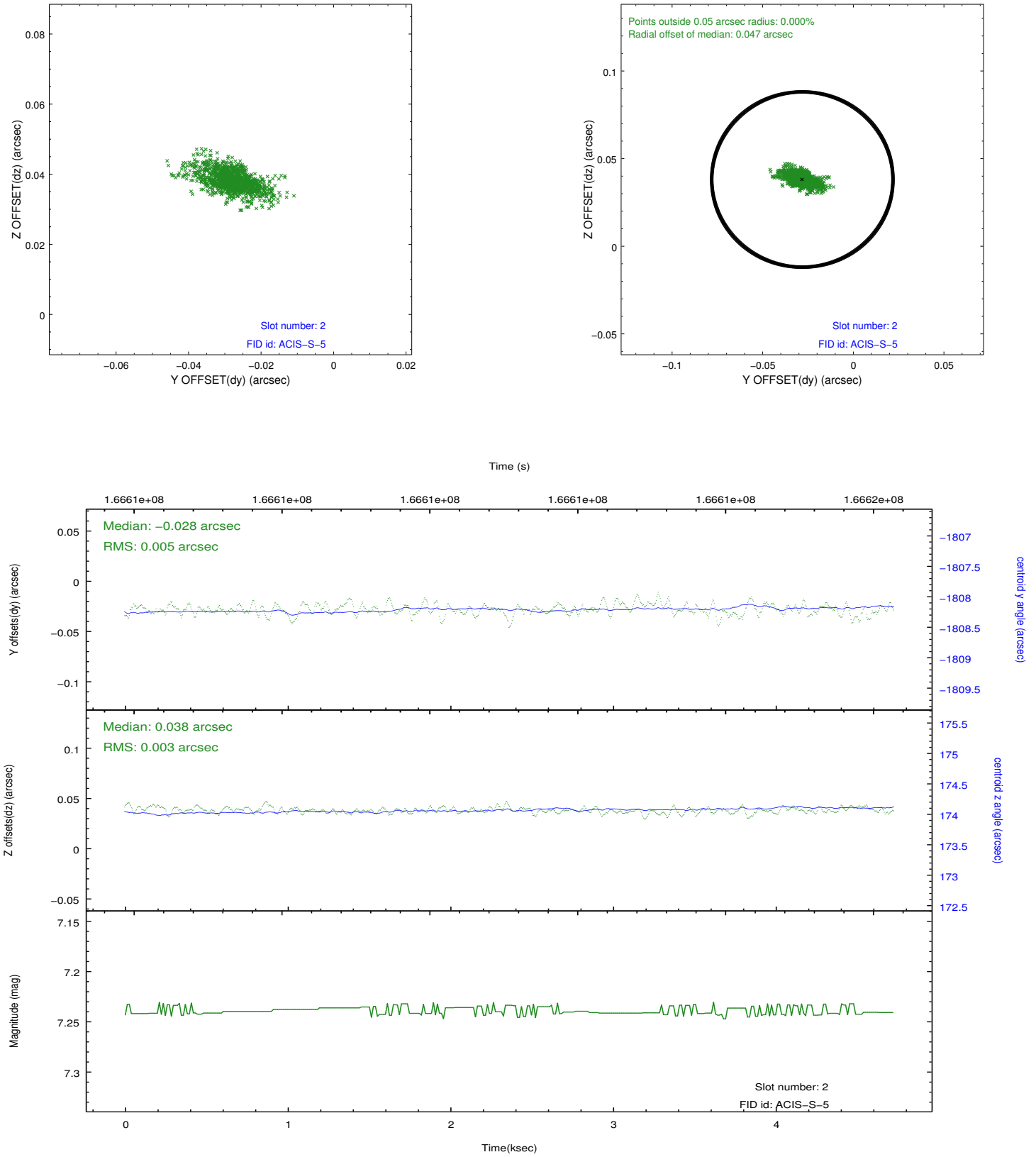
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.259

A.2 Comments