

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6814 - L2 Version 2
Chandra X-Ray Center

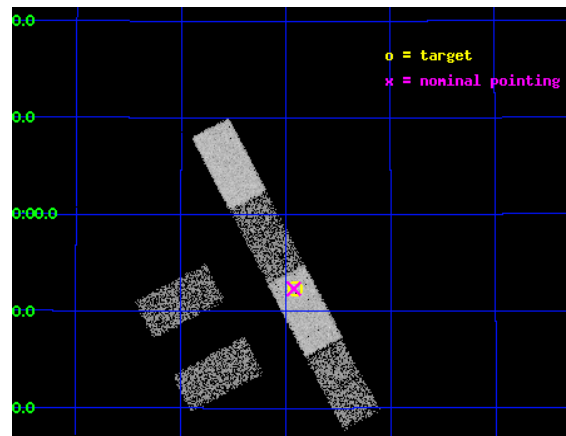
L2 Processing Date : Apr 8 2012

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1 Front

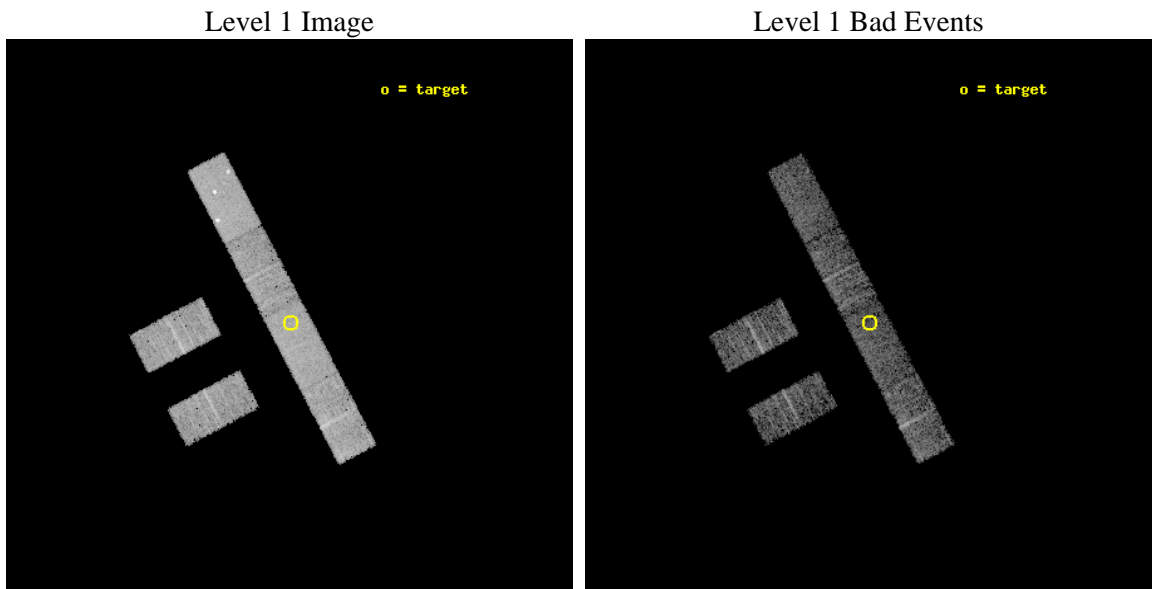
seq_num	701232	Sequence number
obs_id	6814	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J0750+4252	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	117.7275	Observer's specified target RA [deg]
dec_targ	42.872	Observer's specified target Dec [deg]
ra_nom	117.73042460056	Nominal RA [deg]
dec_nom	42.872336879802	Nominal Dec [deg]
roll_nom	62.284910470888	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4125.6000272632	Sum of GTIs [s]
livetime	4033.6331905193	Livetime [s]
ontime2	4125.6000272632	Sum of GTIs [s]
ontime3	4125.6000272632	Sum of GTIs [s]
ontime5	4125.6000272632	Sum of GTIs [s]
ontime6	4125.6000272632	Sum of GTIs [s]
ontime7	4125.6000272632	Sum of GTIs [s]
ontime8	4123.7590270638	Sum of GTIs [s]
l2events	30681	Number of level 2 events



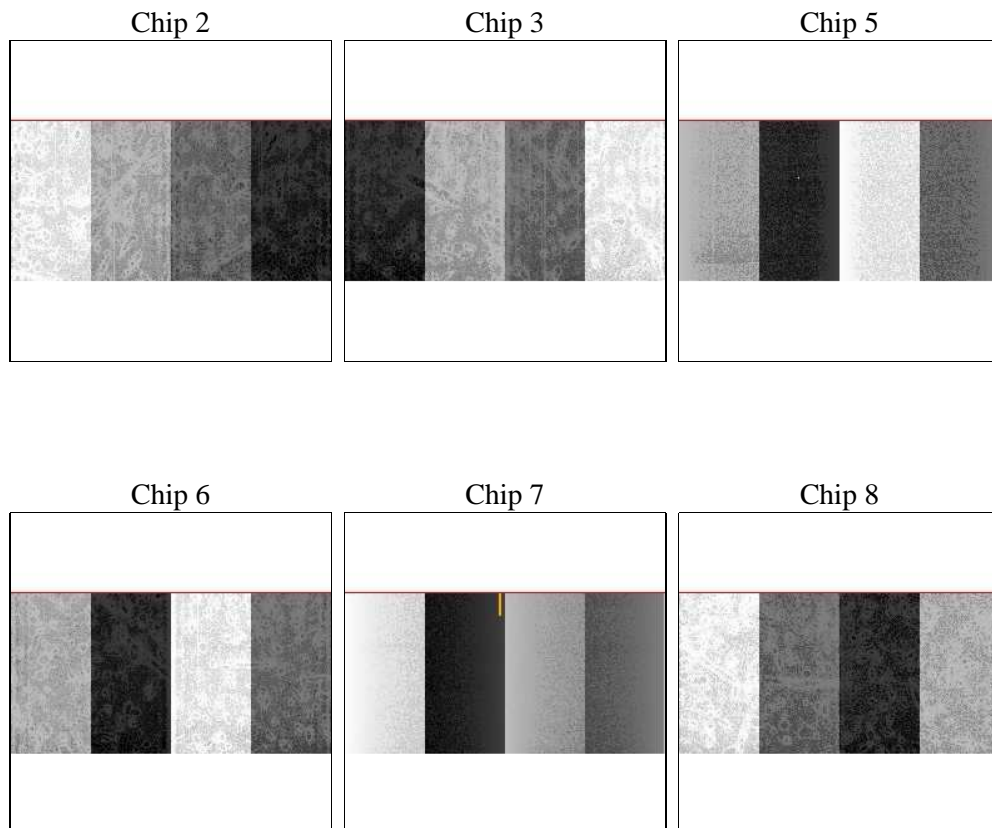
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4125.6000272632	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4125.6000272632	Sum of GTIs [s]
date	2012-04-08T18:30:26	Date and time of file creation	ontime3	4125.6000272632	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4125.6000272632	Sum of GTIs [s]
			ontime6	4125.6000272632	Sum of GTIs [s]
			ontime7	4125.6000272632	Sum of GTIs [s]
			ontime8	4123.7590270638	Sum of GTIs [s]
			l1events	153790	Number of level 1 events

2.1.4 Events

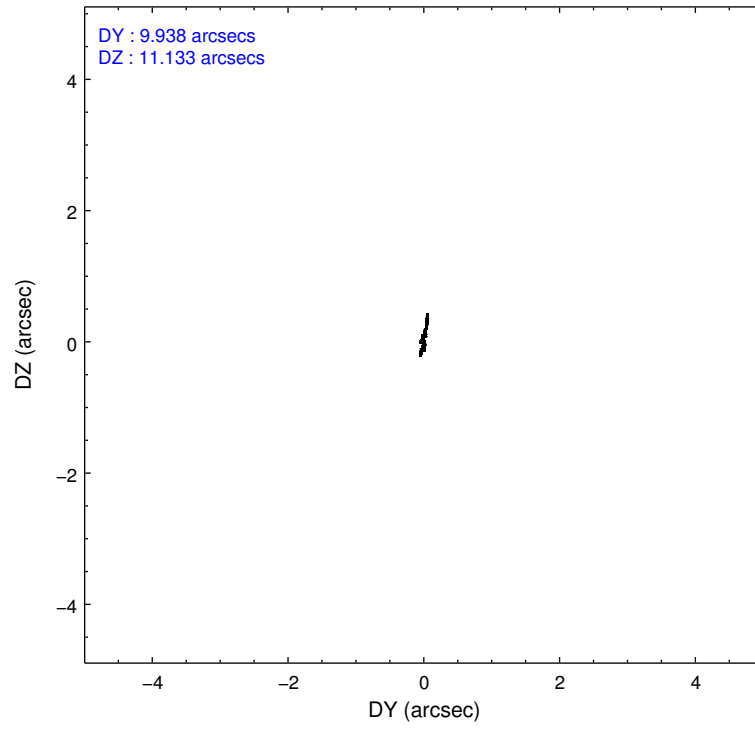
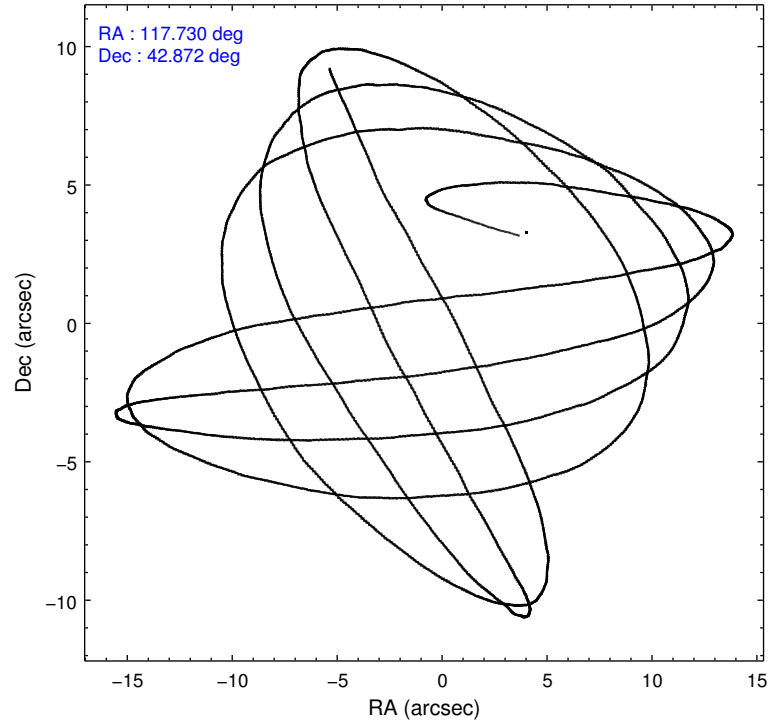
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23419	20229	33921	21067	28143	27011	grade 0 events	1055	1068	4201	969	1145	1808
rejected events	21086	17963	18685	18765	17367	21689		4%	5%	12%	4%	4%	6%
rejected %	90%	88%	55%	89%	61%	80%	grade 1 events	9	11	107	9	38	17
								0%	0%	0%	0%	0%	0%
							grade 2 events	523	441	4221	509	2512	1229
								2%	2%	12%	2%	8%	4%
							grade 3 events	275	298	656	328	1121	708
								1%	1%	1%	1%	3%	2%
							grade 4 events	287	294	633	272	1126	612
								1%	1%	1%	1%	4%	2%
							grade 5 events	896	936	2404	1020	2662	1242
								3%	4%	7%	4%	9%	4%
							grade 6 events	441	440	7458	513	6201	1540
								1%	2%	21%	2%	22%	5%
							grade 7 events	19933	16741	14241	17447	13338	19855
								85%	82%	41%	82%	47%	73%

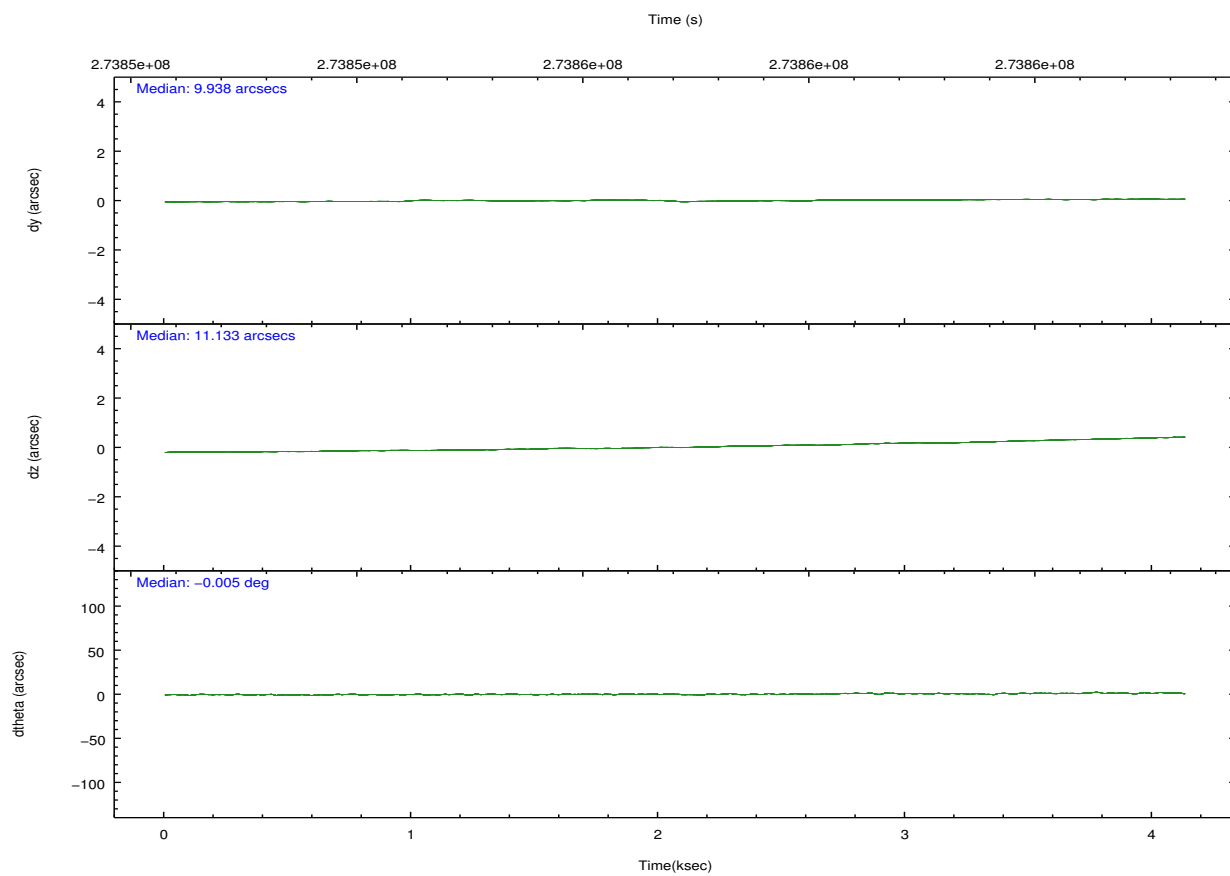
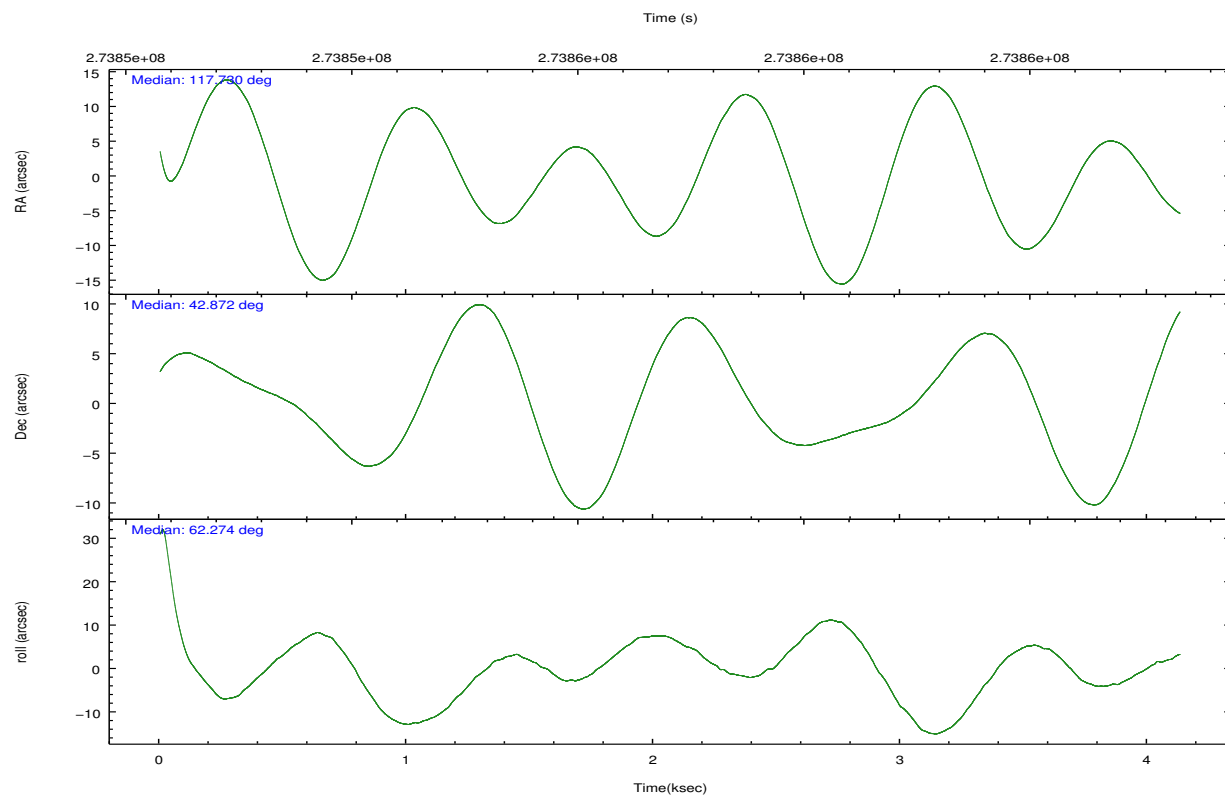
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	117.732297	117.7304246005567
[deg] Pointing Dec	42.845131	42.87233687980213
[deg] Pointing Roll	62.126930	62.28491047088836
[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)	273853480.184000	273852411.8389
Observation start date	2006-09-05T14:23:35	2006-09-05T14:06:51
[s] Observation end time (MET)	273857480.184000	273858721.73919
Observation end date	2006-09-05T15:30:15	2006-09-05T15:52:01
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.8

2.3 Aspect



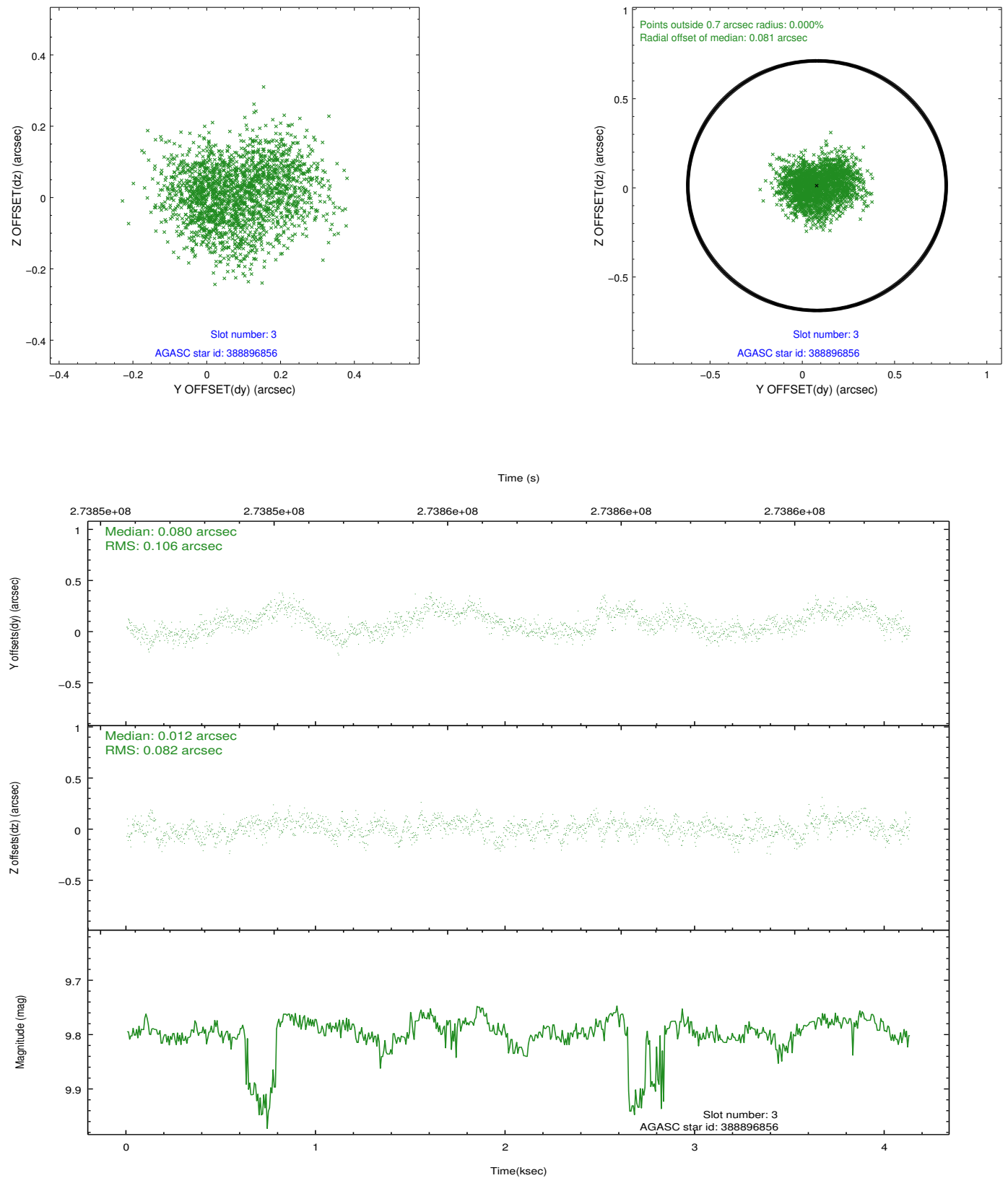


Slot Statistics

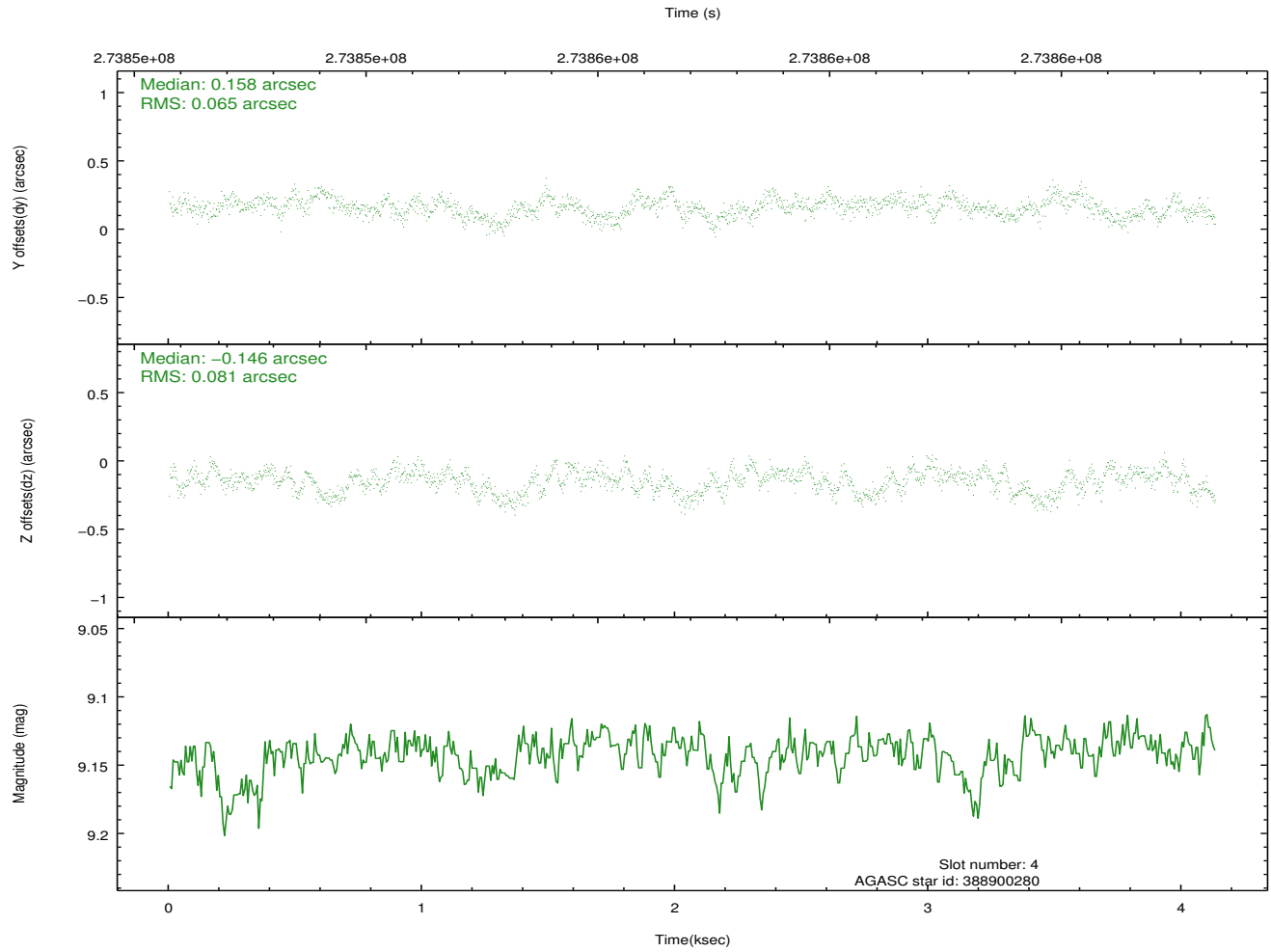
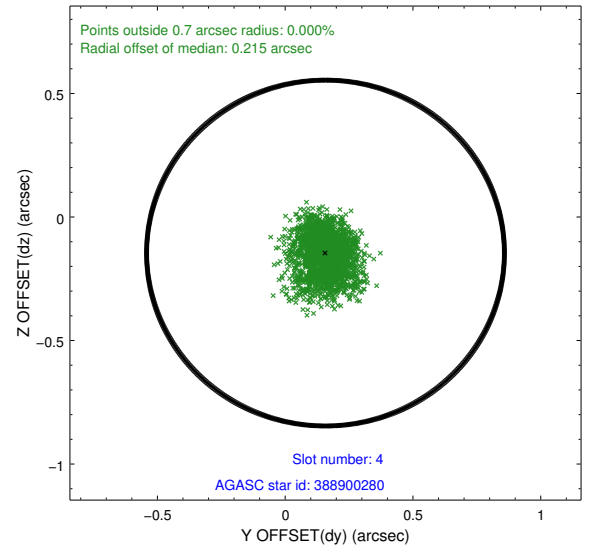
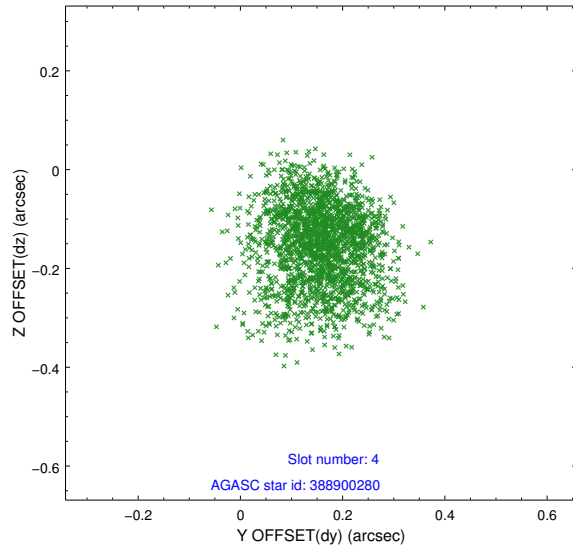
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1008	-0.052	-0.018	0.007	0.012	0.000000	0.000000	-762.80	-1732.42
1	FID	ACIS-S-4	7.22	1008	0.154	0.030	0.007	0.011	0.000000	0.000000	2149.97	174.58
2	FID	ACIS-S-5	7.23	1008	-0.133	-0.003	0.007	0.011	0.000000	0.000000	-1813.81	169.89
3	GUIDE	388896856	9.80	2006	0.080	0.012	0.146	0.224	117.364273	43.120963	427.58	1320.28
4	GUIDE	388900280	9.14	2016	0.158	-0.146	0.111	0.180	117.083109	43.018120	-242.54	1805.25
5	GUIDE	389424984	9.60	2014	0.017	-0.034	0.131	0.209	117.331815	43.245449	784.97	1604.41
6	GUIDE	389558920	9.06	2015	-0.124	0.004	0.091	0.150	117.530125	43.647205	2306.97	1817.33
7	GUIDE	389549536	9.65	2010	-0.128	0.175	0.121	0.206	118.835075	43.169472	2404.24	-2003.16

2.4 Star Slots

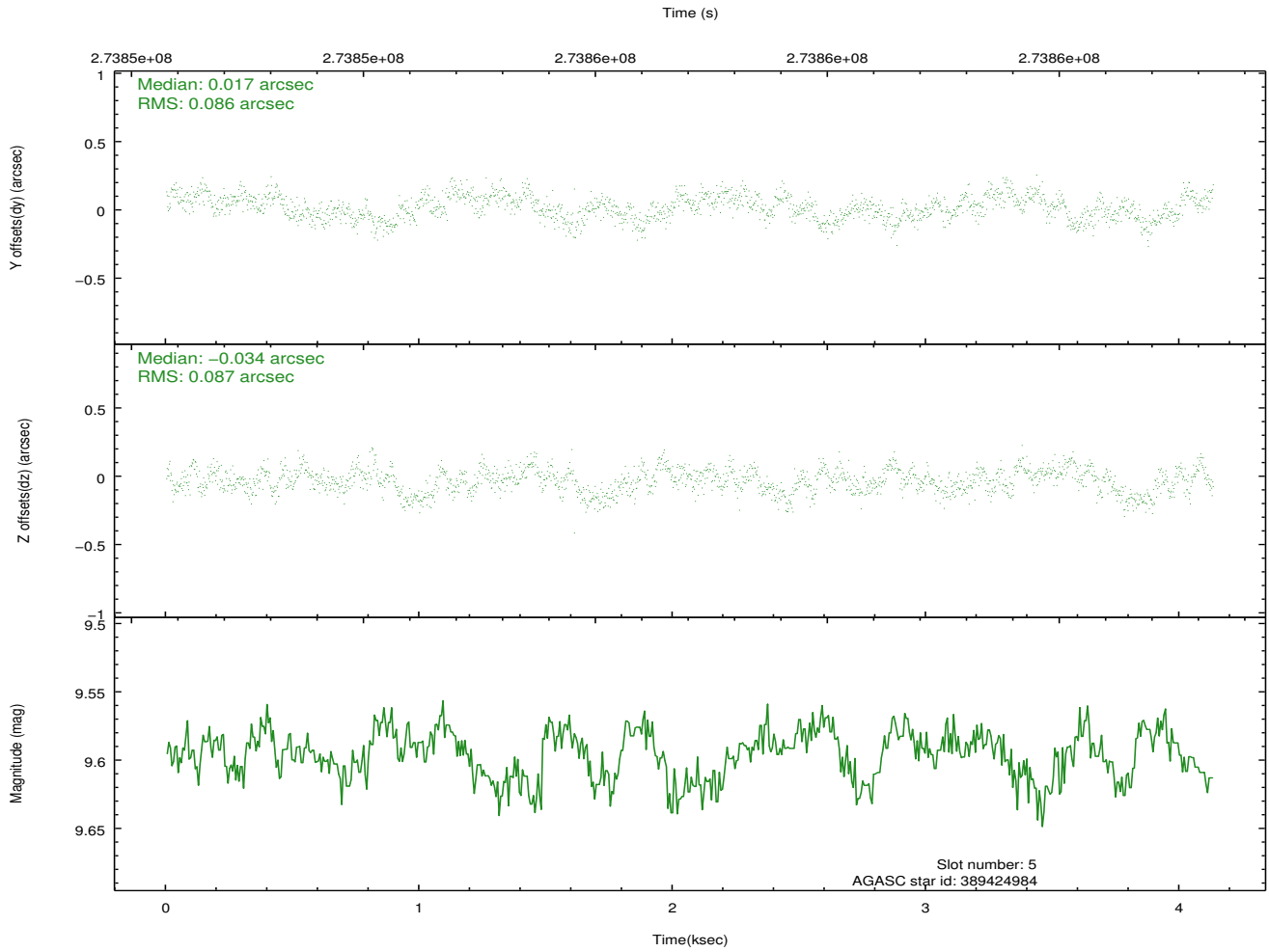
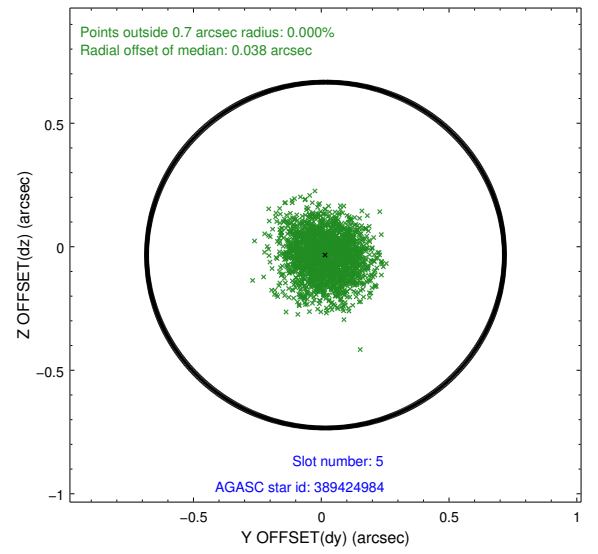
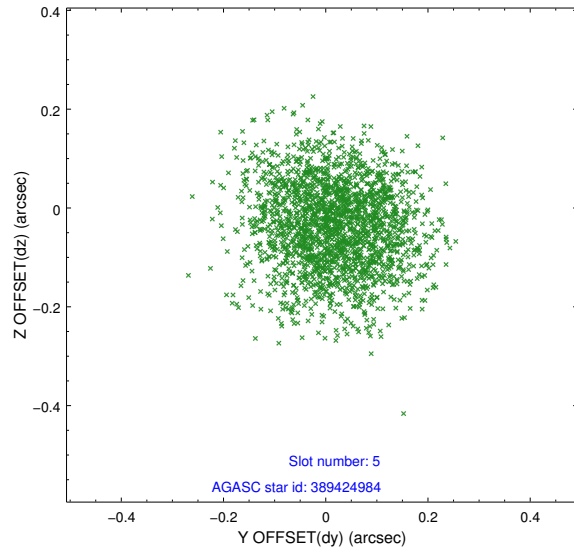
2.4.1 Slot 3



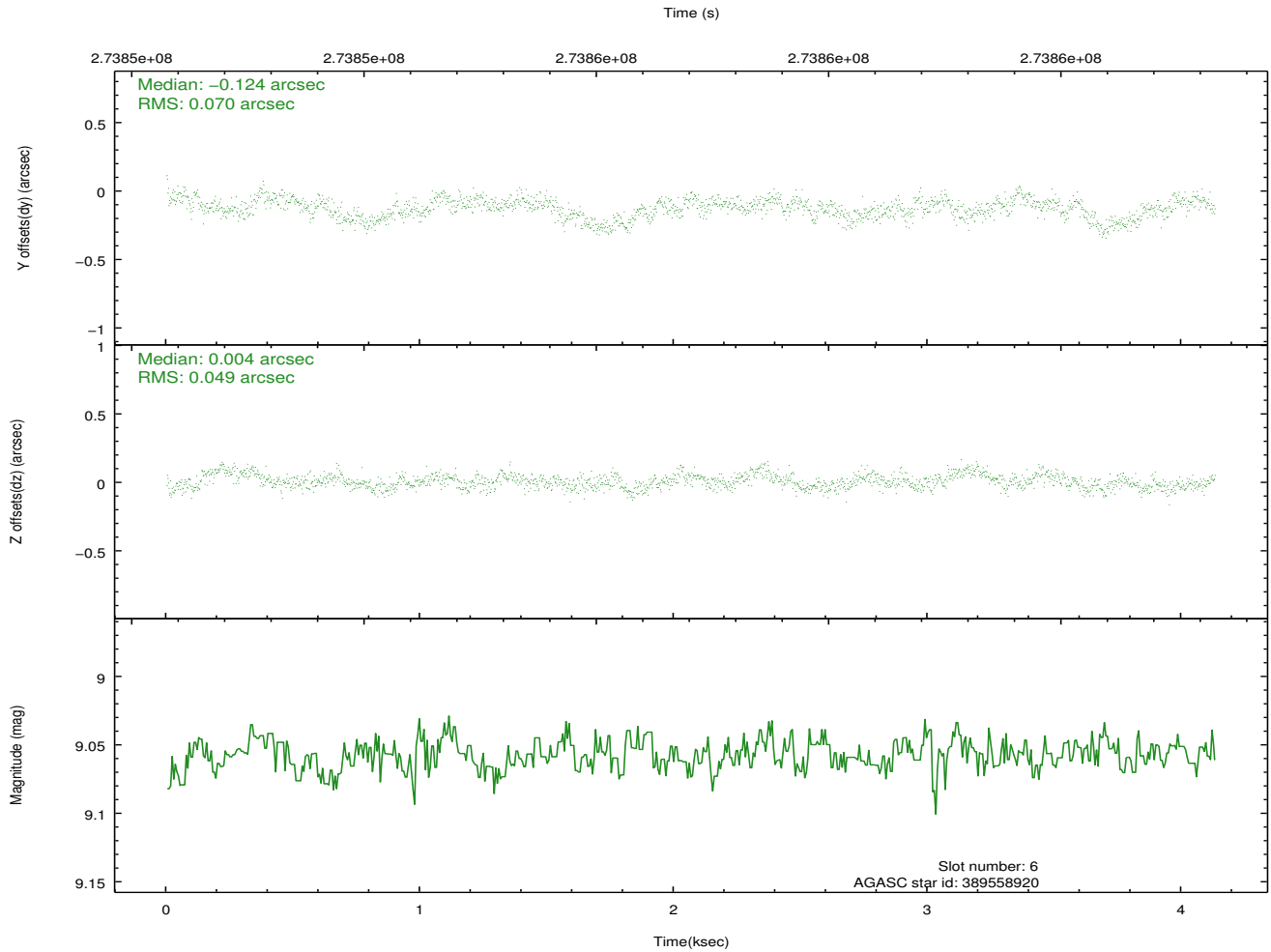
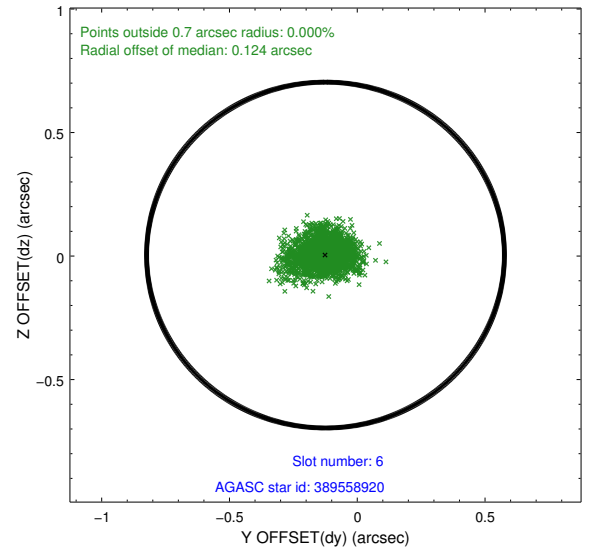
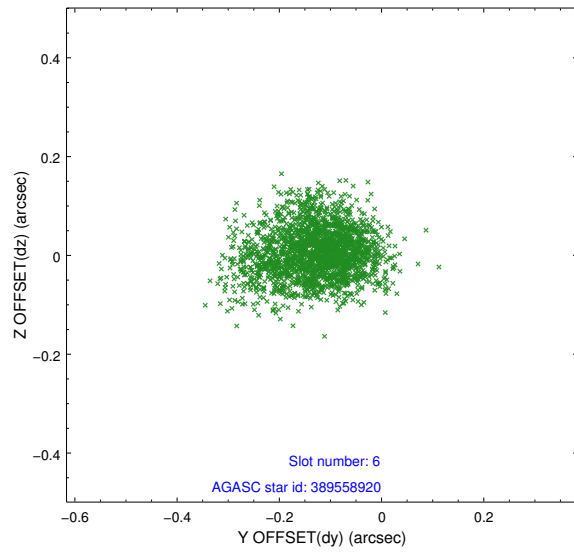
2.4.2 Slot 4



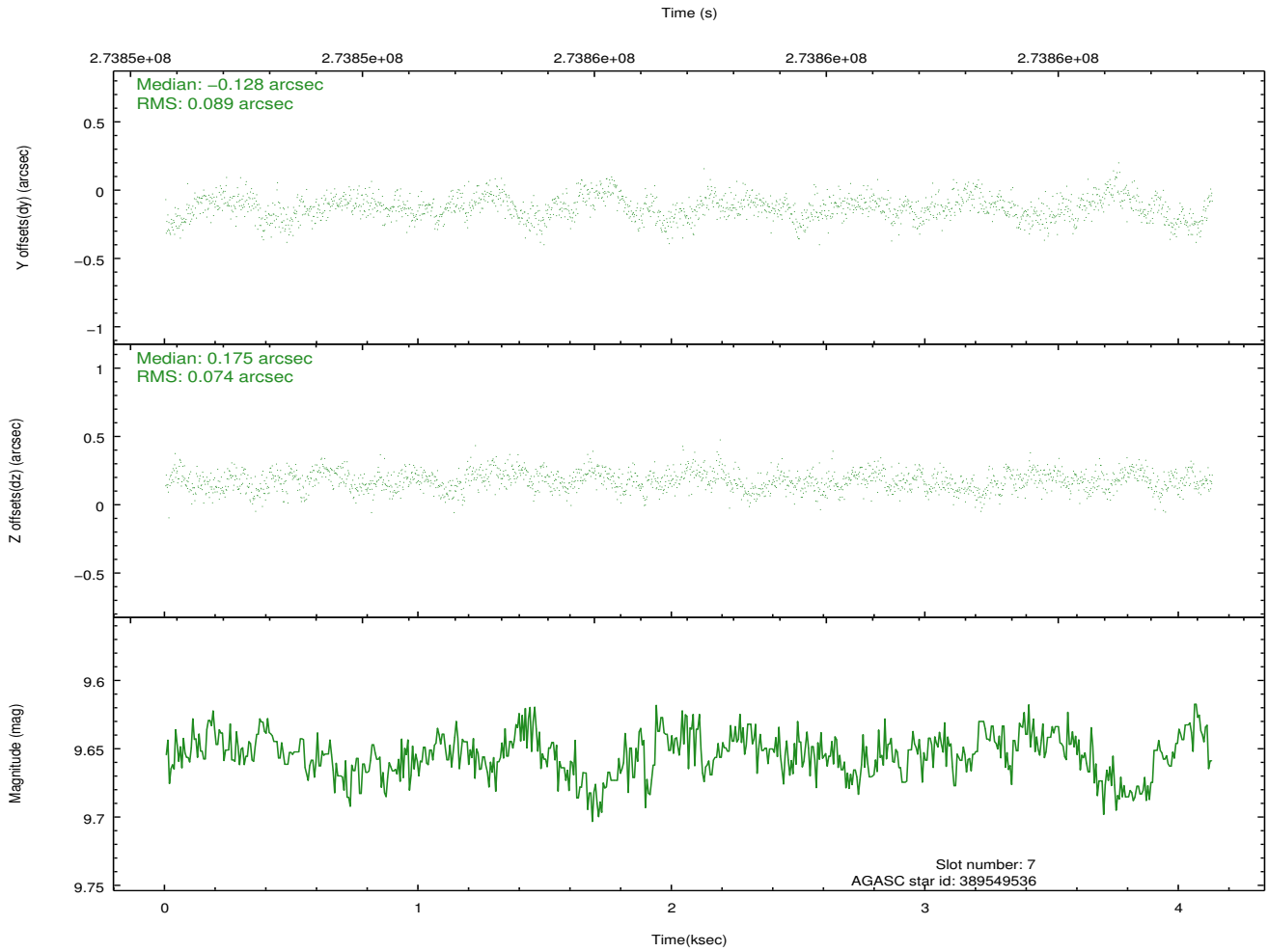
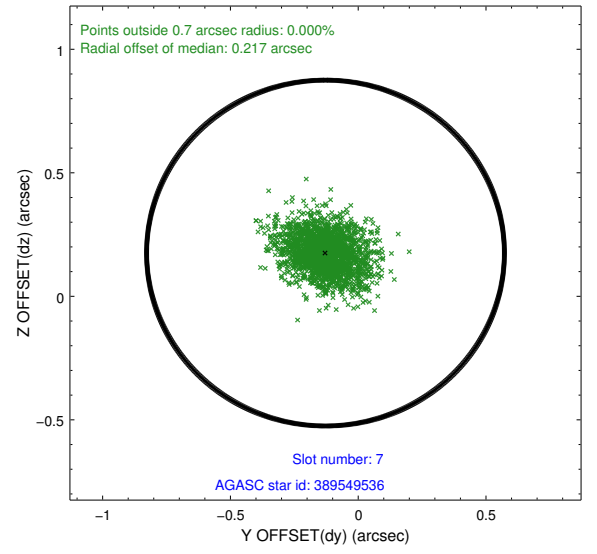
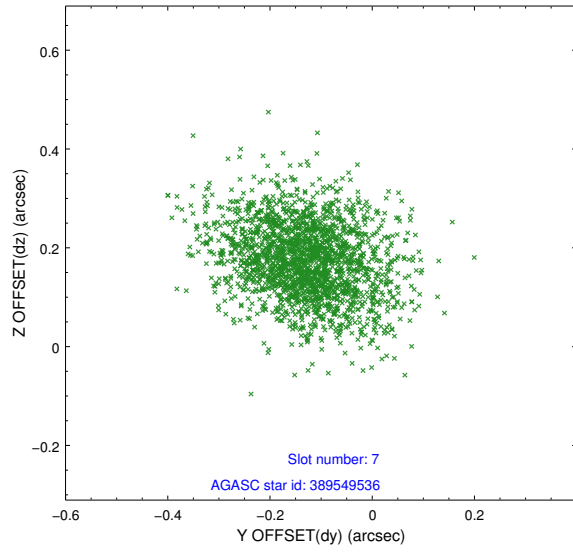
2.4.3 Slot 5



2.4.4 Slot 6

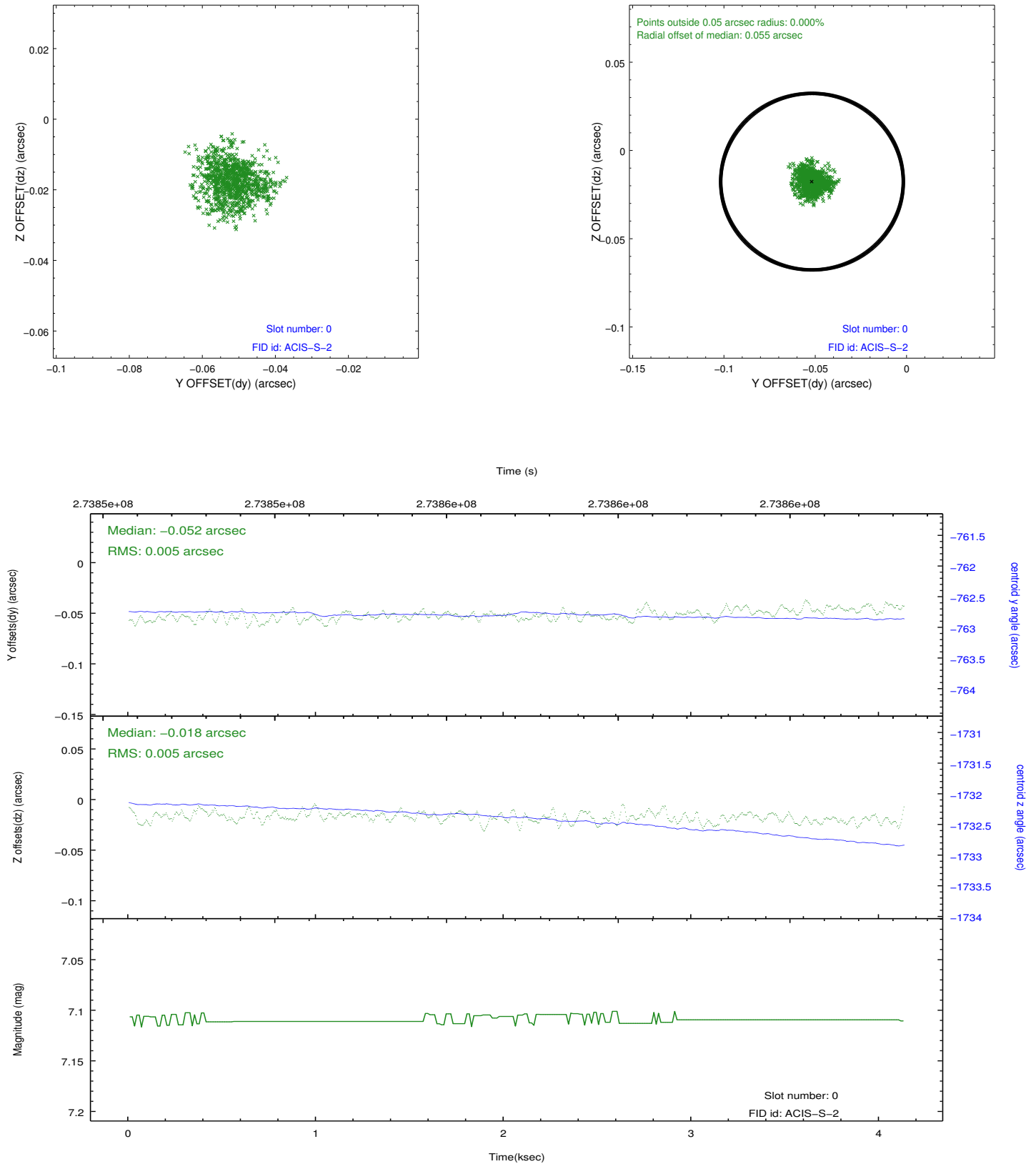


2.4.5 Slot 7

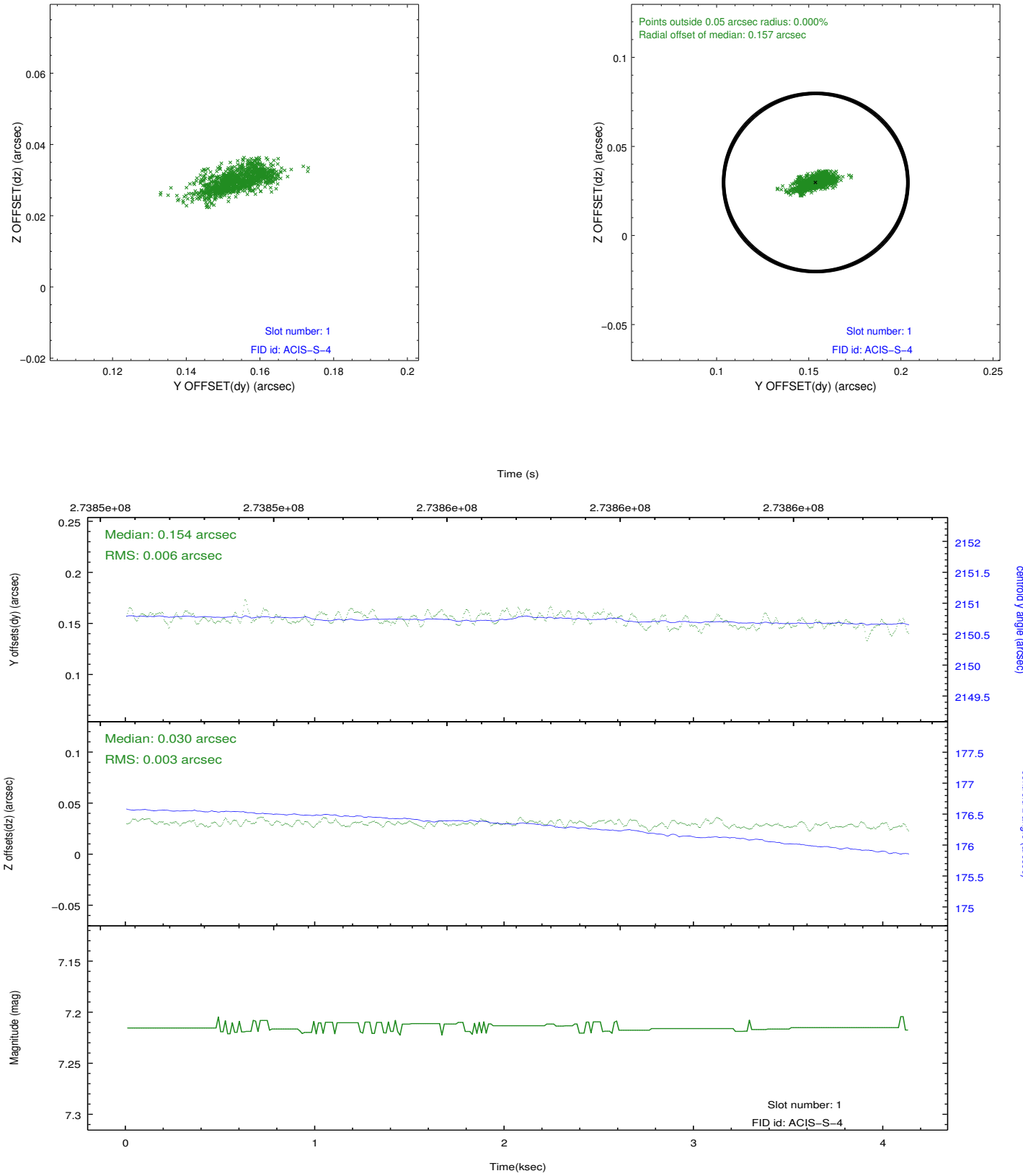


2.5 FID Slots

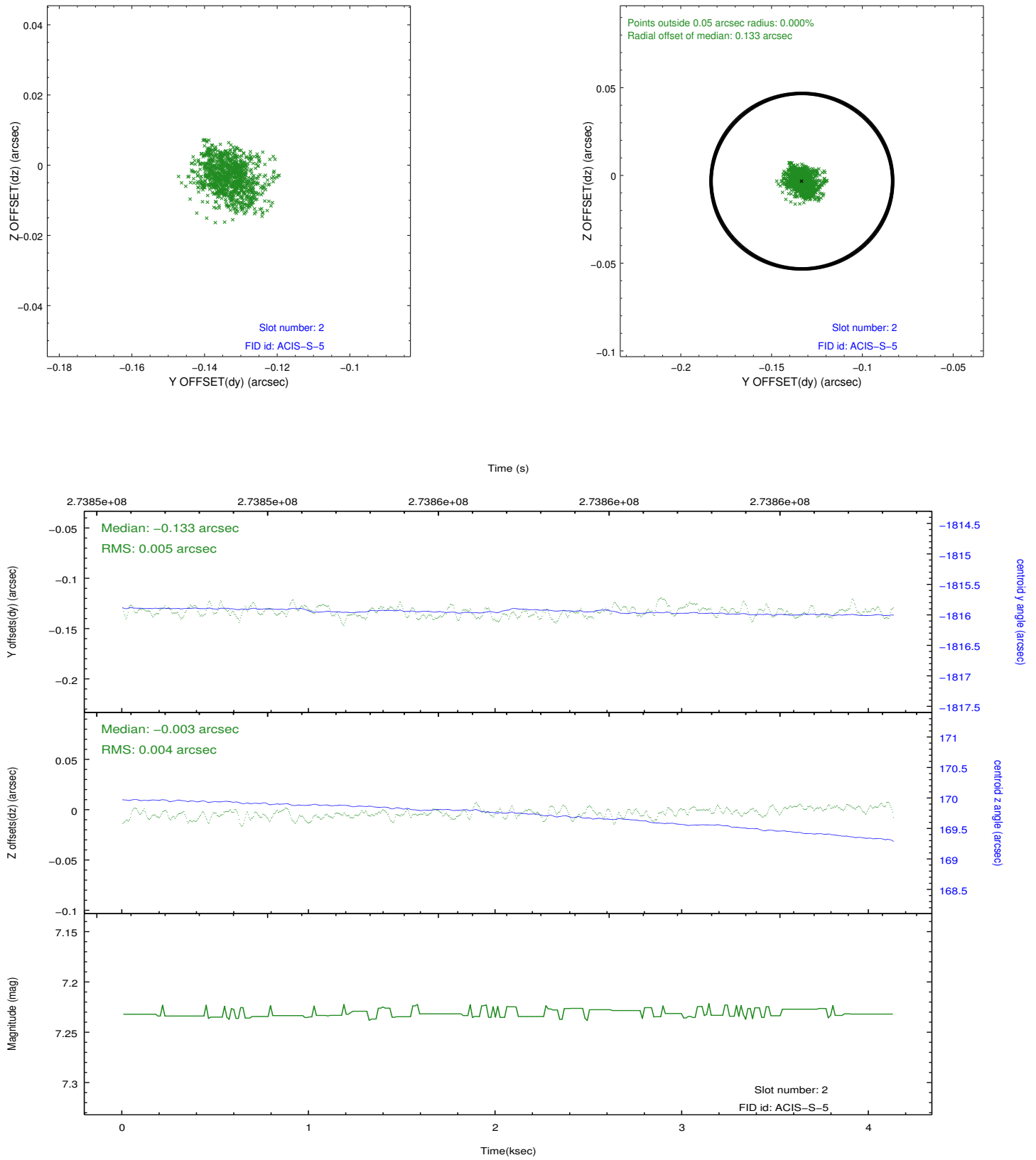
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.12560002

A.2 Comments