

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13009 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Jul 3 2012

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1 Front

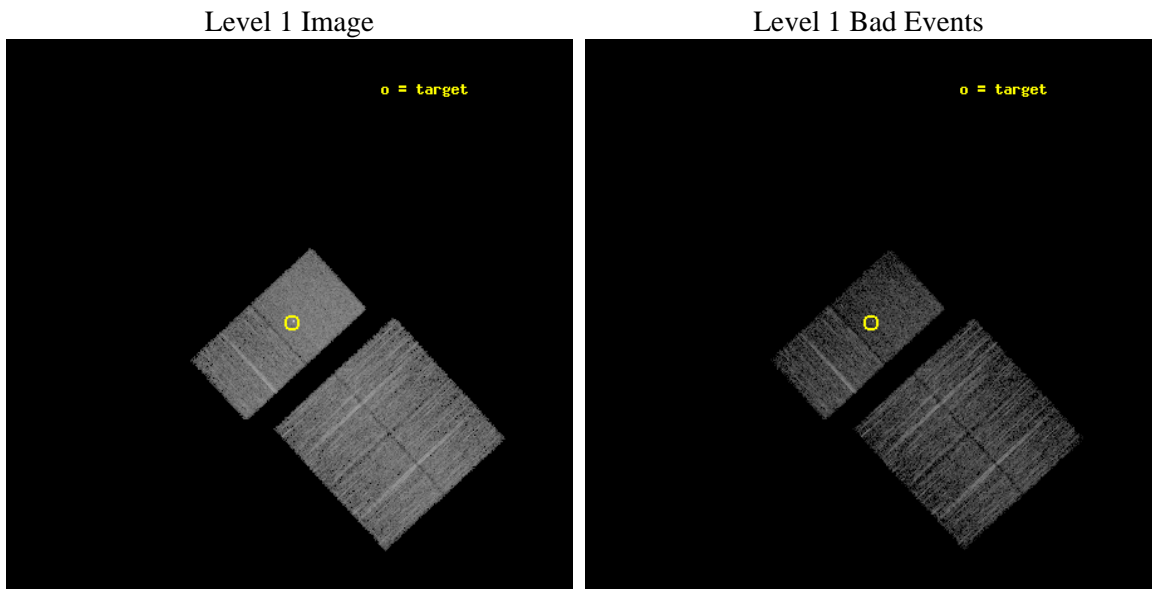
seq_num	600973	Sequence number
obs_id	13009	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J223656.5-221321	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	339.235417	Observer's specified target RA [deg]
dec_targ	-22.2225	Observer's specified target Dec [deg]
ra_nom	339.240526094	Nominal RA [deg]
dec_nom	-22.223355384889	Nominal Dec [deg]
roll_nom	317.24702093346	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	36816	Number of level 2 events



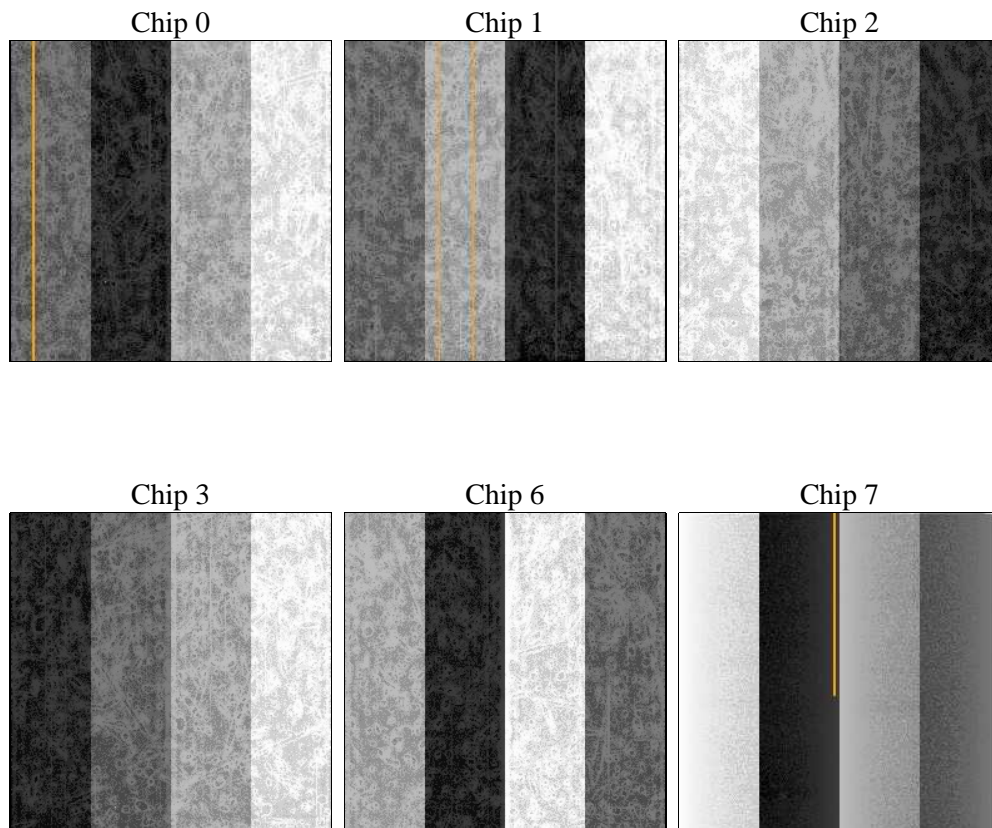
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.896000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4959.9999815822	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	4959.9999815822	Sum of GTIs [s]
date	2012-07-03T09:50:39	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	221557	Number of level 1 events

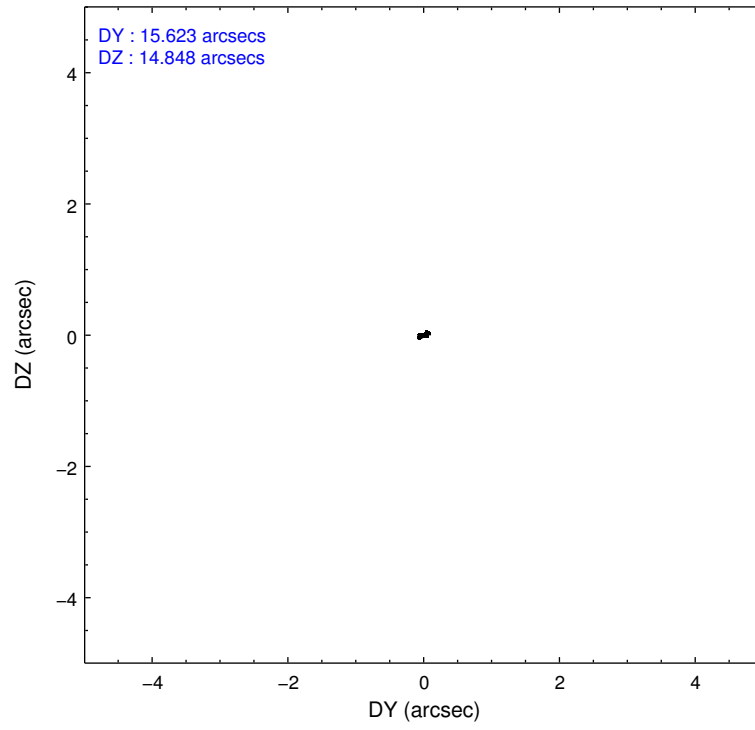
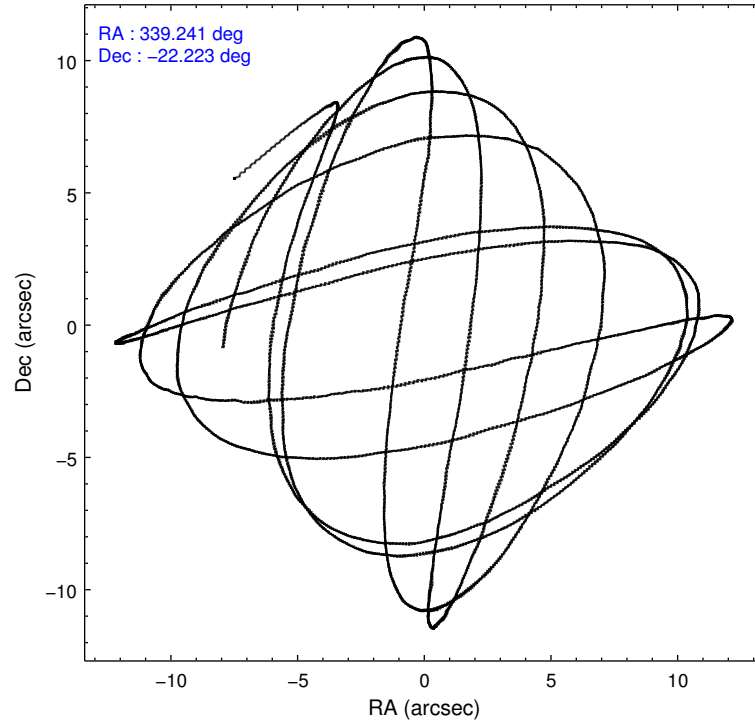
2.1.4 Events

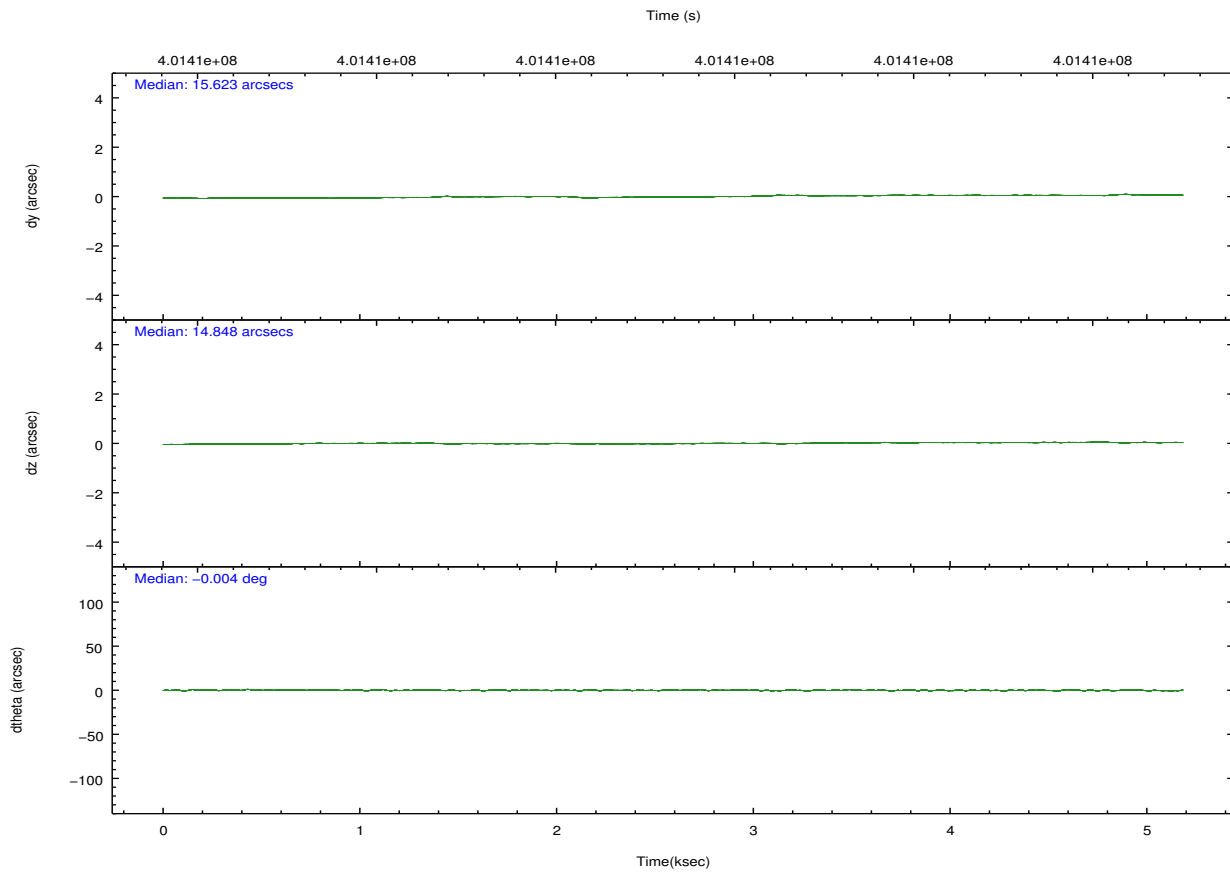
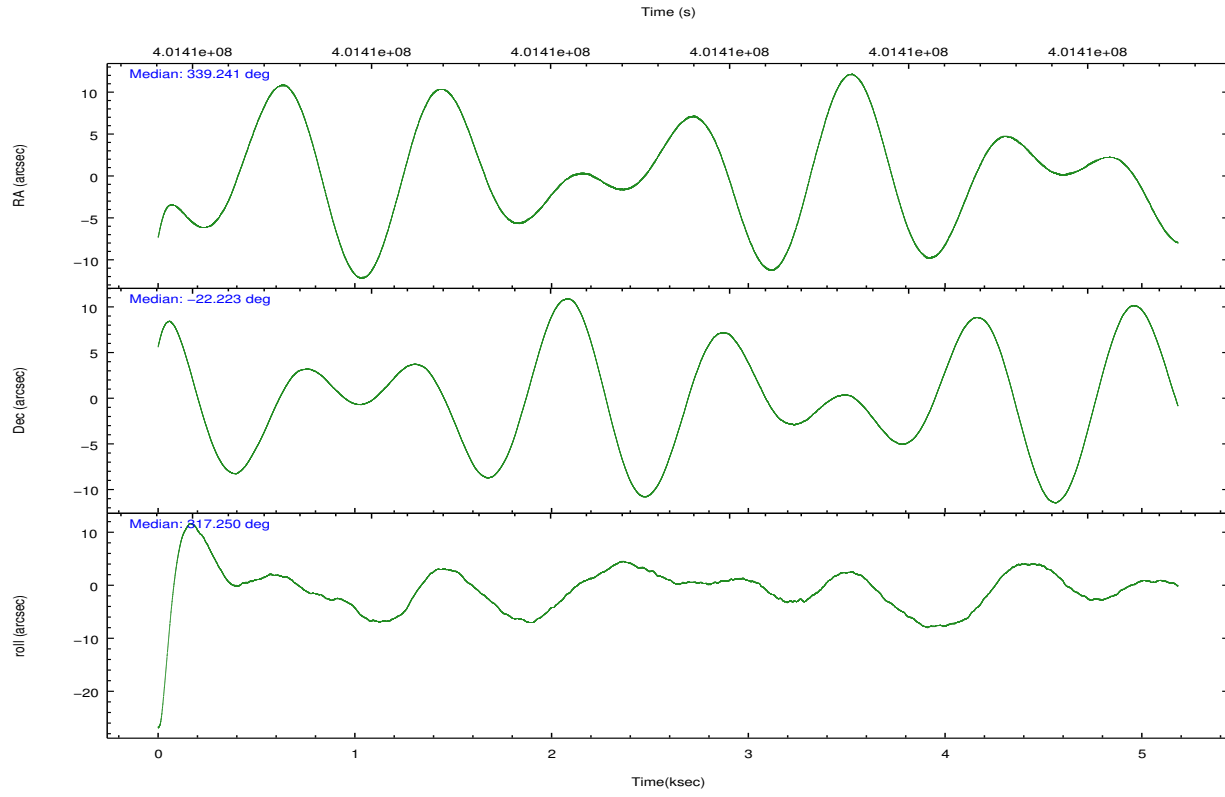
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	34897	33984	36341	35316	35495	45524	grade 0 events	1451	1452	1370	1299	1441	1924
rejected events	30828	29967	32599	31655	31368	24743		4%	4%	3%	3%	4%	4%
rejected %	88%	88%	89%	89%	88%	54%	grade 1 events	23	28	35	16	22	62
								0%	0%	0%	0%	0%	0%
							grade 2 events	1005	936	842	772	904	4372
								2%	2%	2%	2%	2%	9%
							grade 3 events	419	413	428	439	414	1836
								1%	1%	1%	1%	1%	4%
							grade 4 events	368	390	393	380	451	1747
								1%	1%	1%	1%	1%	3%
							grade 5 events	1539	1502	1327	1611	1651	4684
								4%	4%	3%	4%	4%	10%
							grade 6 events	833	836	710	784	923	10931
								2%	2%	1%	2%	2%	24%
							grade 7 events	29259	28427	31236	30015	29689	19968
								83%	83%	85%	84%	83%	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	339.211666	339.2405260939984	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.217756	-22.22335538488867	Alternating exposures requested	N	N
[deg] Pointing Roll	317.079565	317.2470209334616	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	401408247.184000	401406859.31836			
Observation start date	2010-09-20T22:16:21	2010-09-20T21:54:19			
[s] Observation end time (MET)	401413248.184000	401413474.1562			
Observation end date	2010-09-20T23:39:42	2010-09-20T23:44:34			
Read mode	TIMED	TIMED			

2.3 Aspect



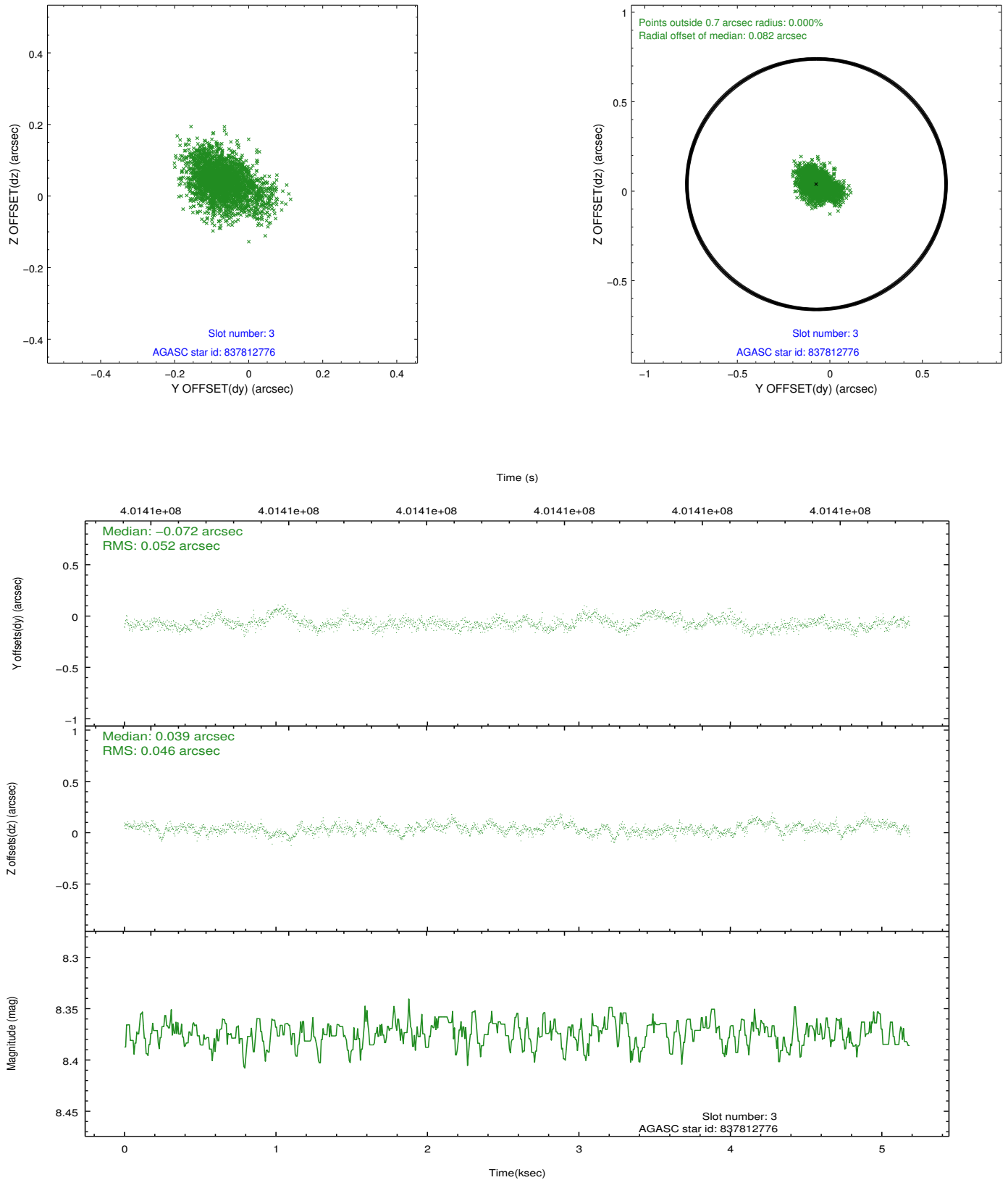


Slot Statistics

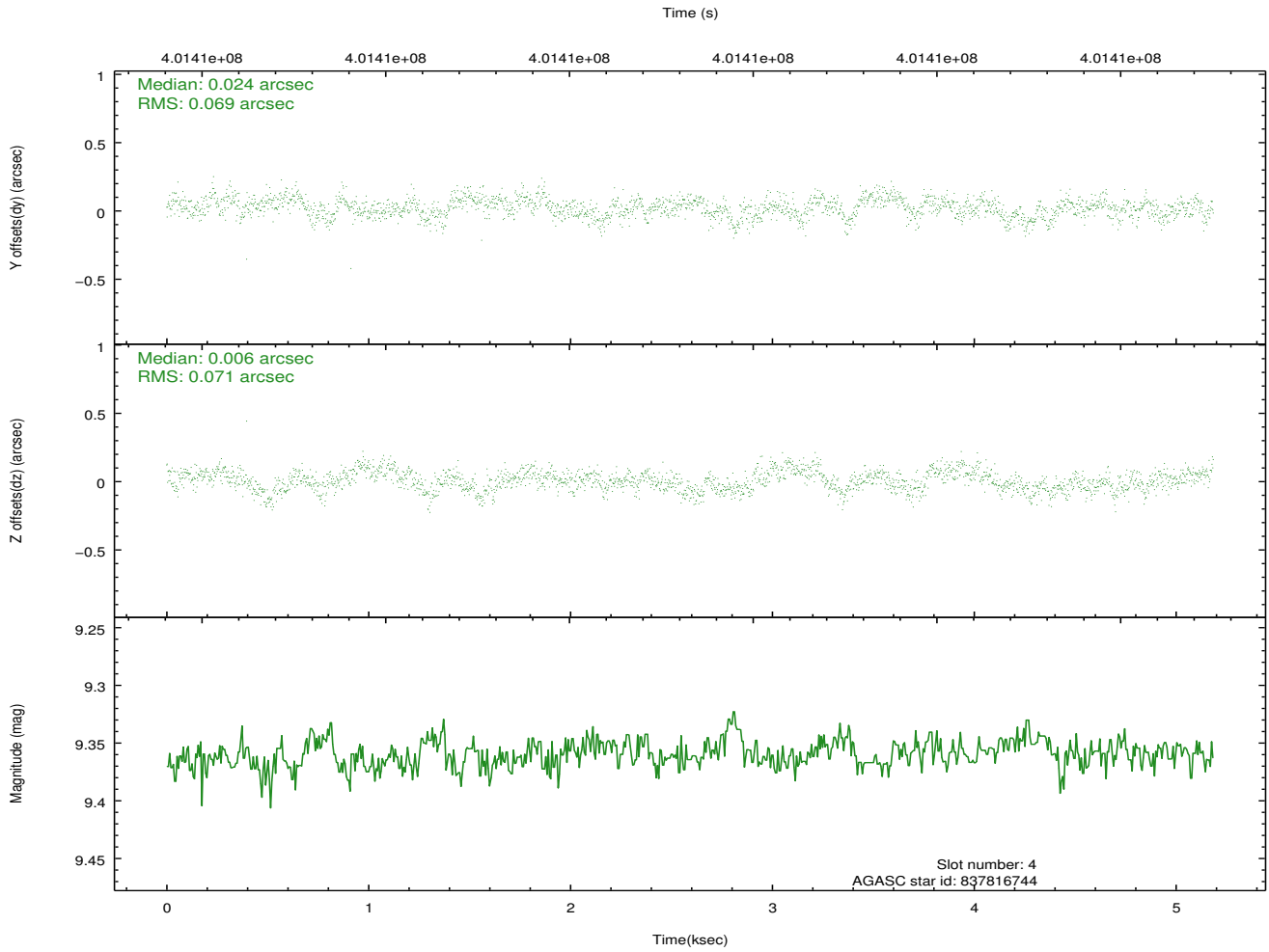
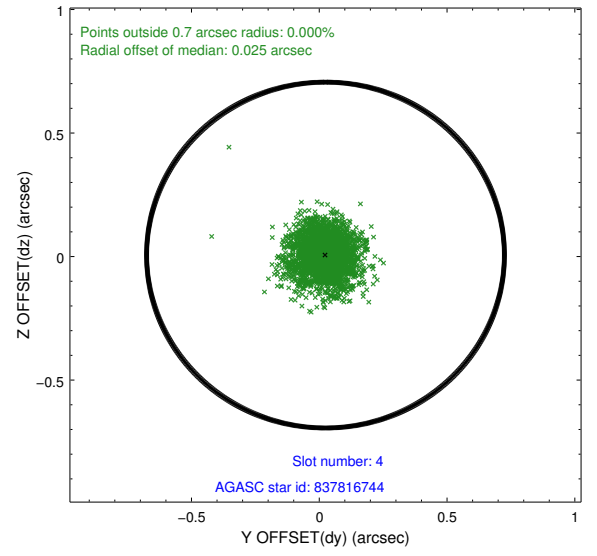
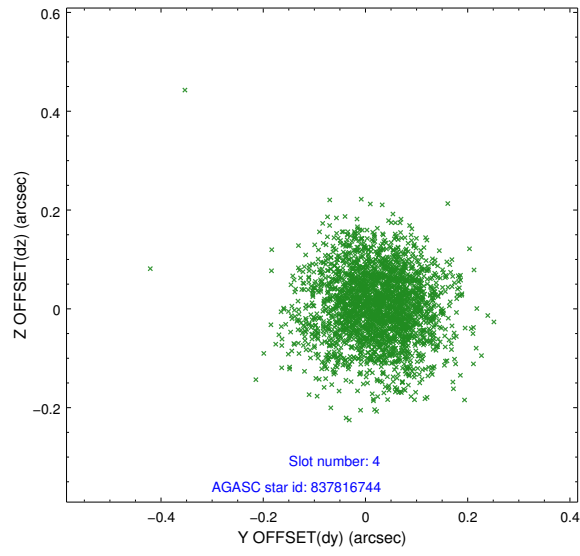
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	1265	-0.115	-0.066	0.007	0.010	0.000000	0.000000	-768.72	-1736.19
1	FID	ACIS-S-4	7.06	1265	0.251	0.073	0.006	0.010	0.000000	0.000000	2144.38	171.23
2	FID	ACIS-S-5	7.09	1265	-0.167	0.001	0.006	0.010	0.000000	0.000000	-1820.12	166.14
3	GUIDE	837812776	8.37	2530	-0.072	0.039	0.072	0.125	339.400356	-21.797394	-567.46	1538.03
4	GUIDE	837816744	9.36	2526	0.024	0.006	0.104	0.169	339.209273	-21.531383	-1687.87	1805.60
5	GUIDE	837818792	9.22	2527	-0.014	0.038	0.085	0.141	339.129593	-21.584969	-1752.60	1482.13
6	GUIDE	837820728	8.25	2528	-0.048	-0.094	0.066	0.105	339.918963	-22.188696	1658.61	1678.61
7	GUIDE	912661960	9.16	2521	0.111	0.013	0.101	0.165	339.494470	-22.644490	1737.53	-484.36

2.4 Star Slots

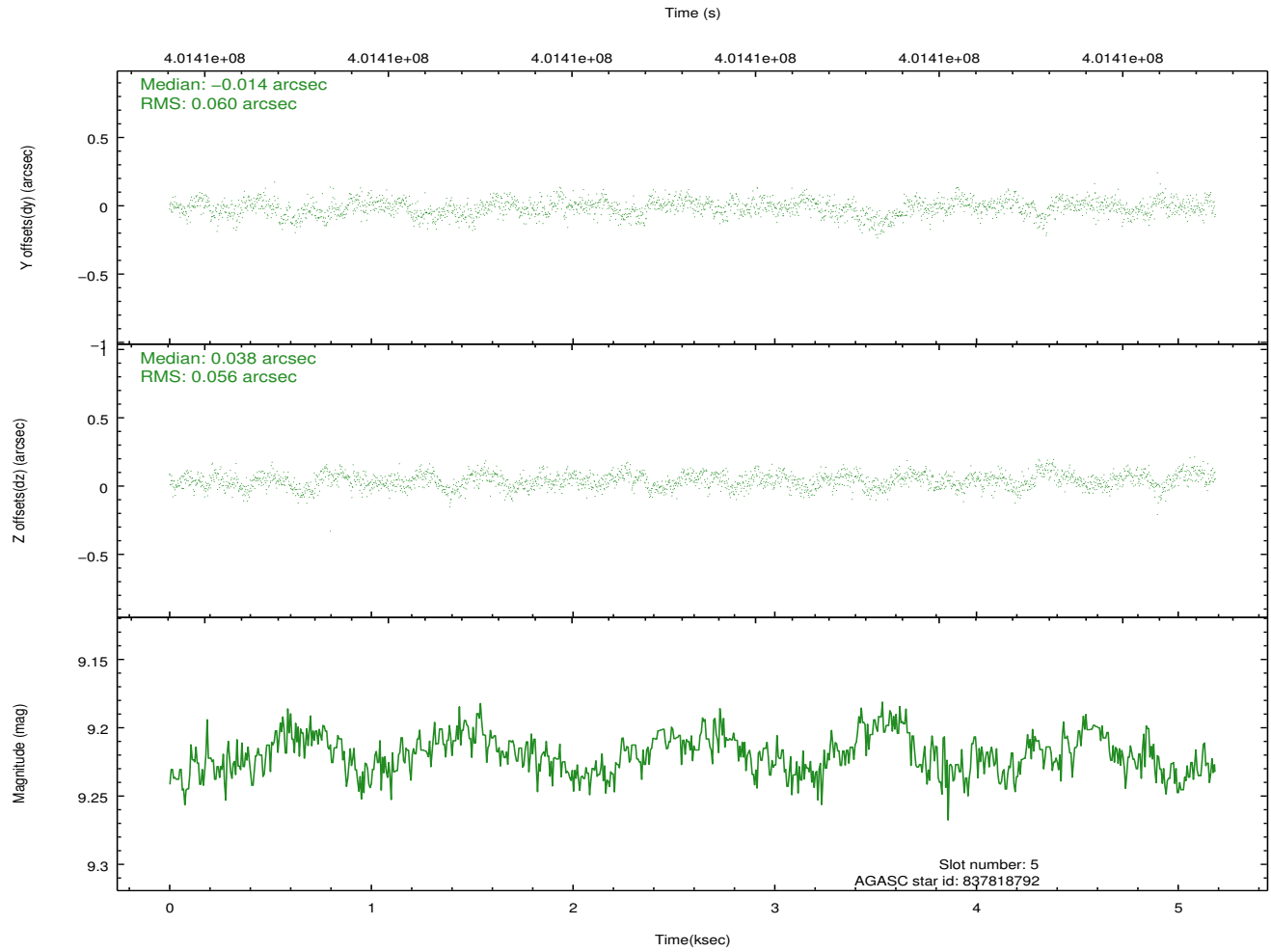
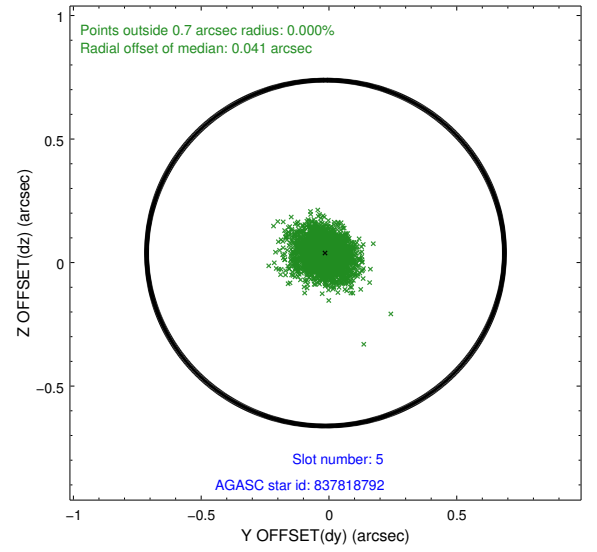
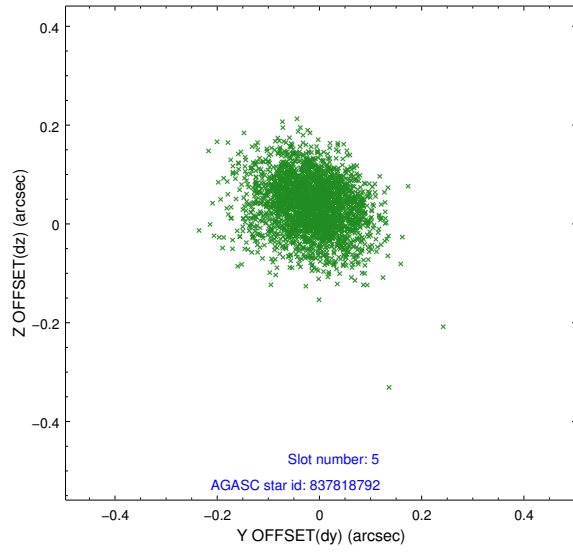
2.4.1 Slot 3



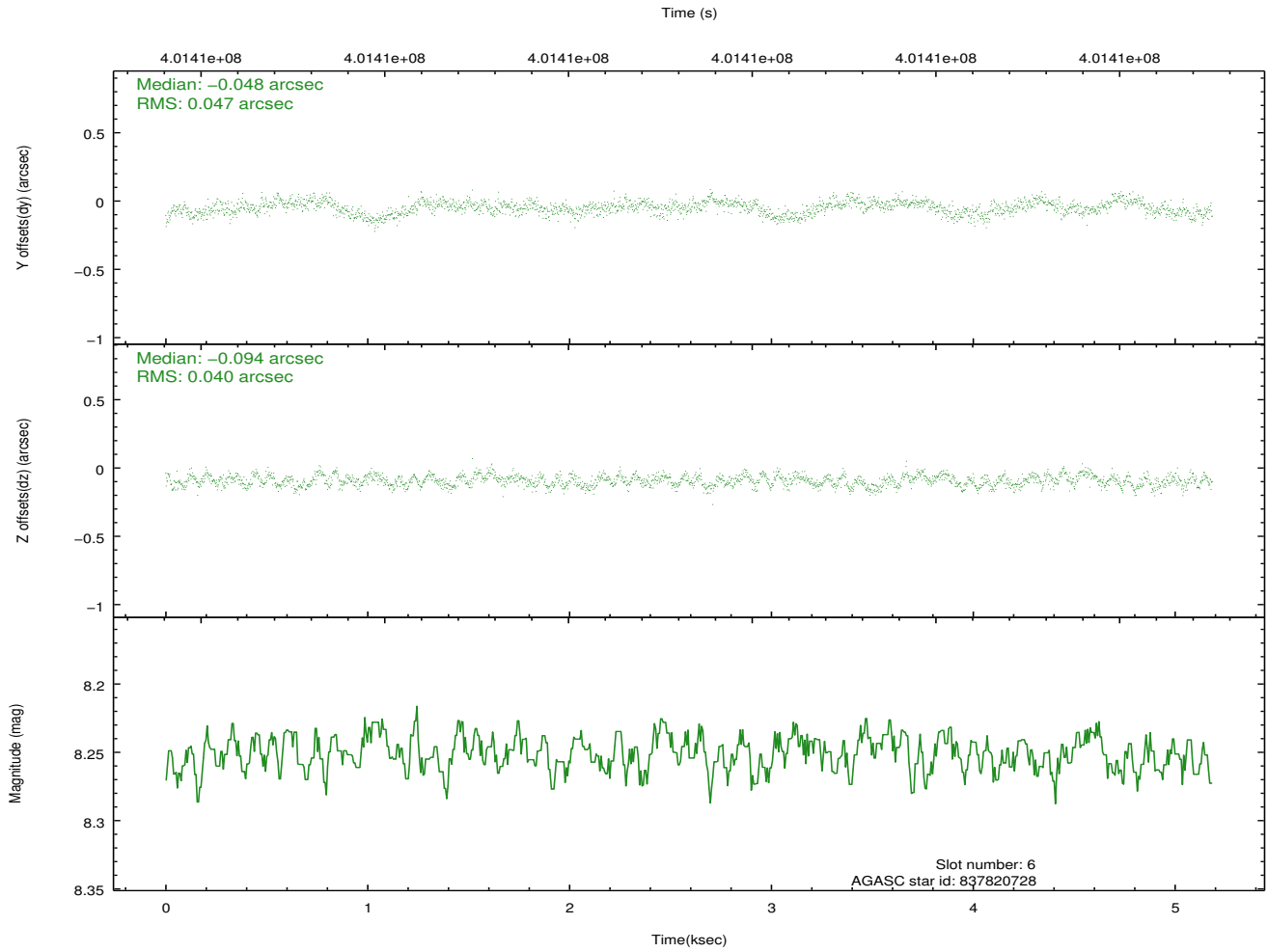
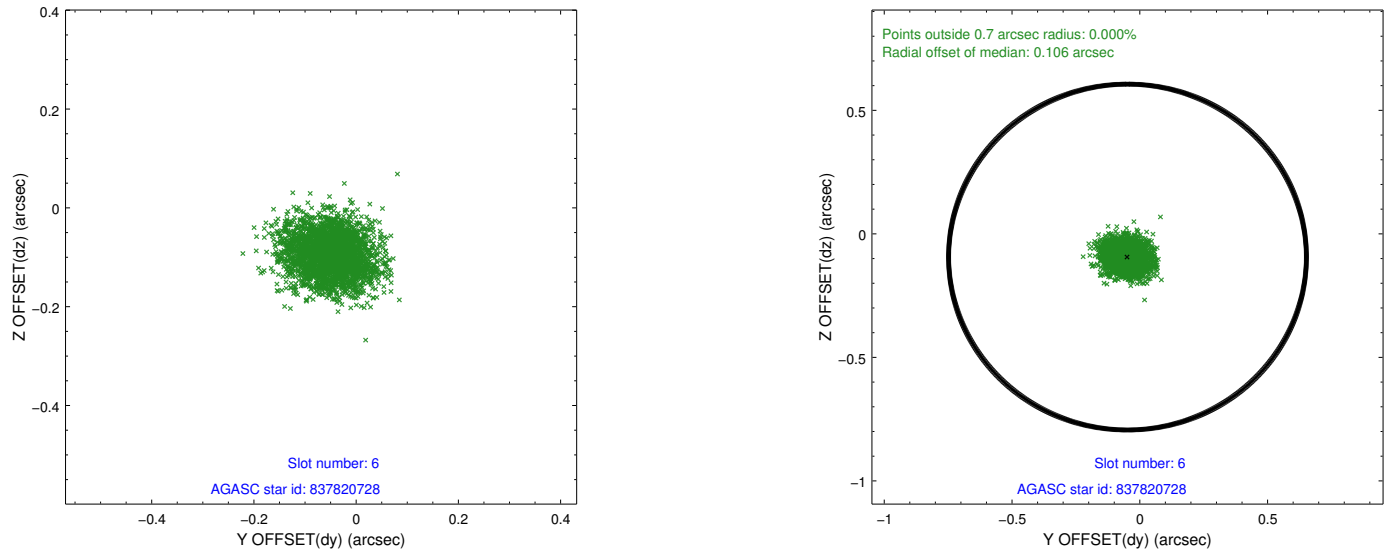
2.4.2 Slot 4



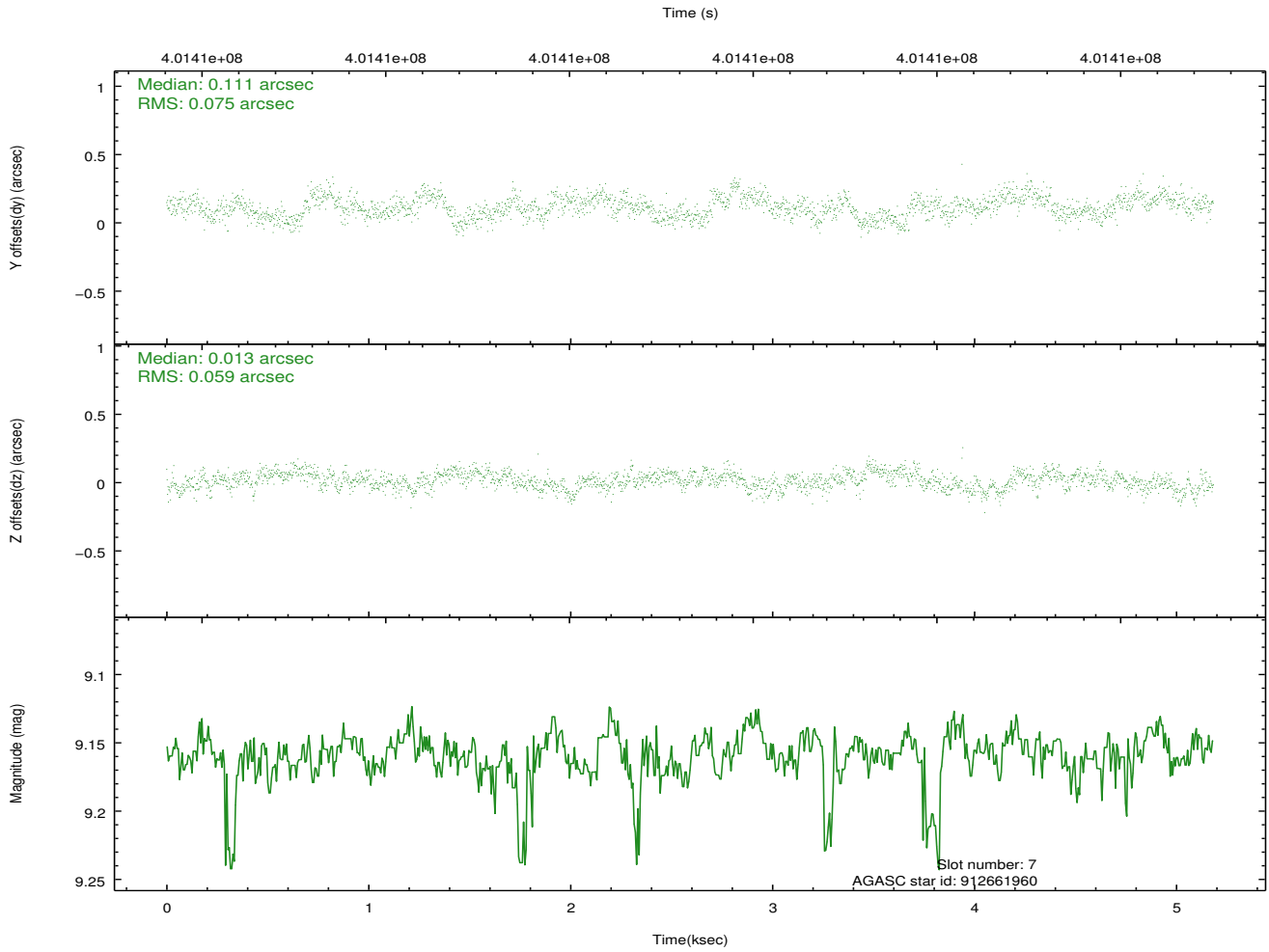
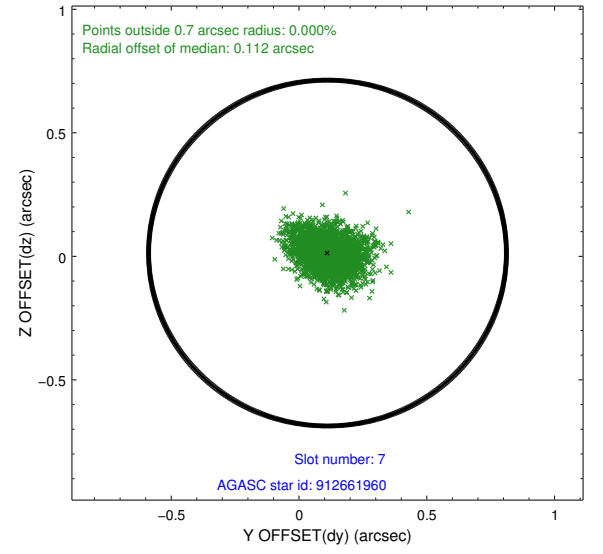
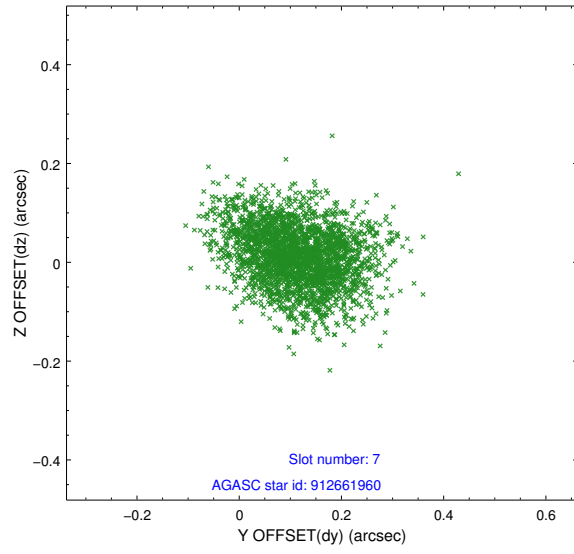
2.4.3 Slot 5



2.4.4 Slot 6

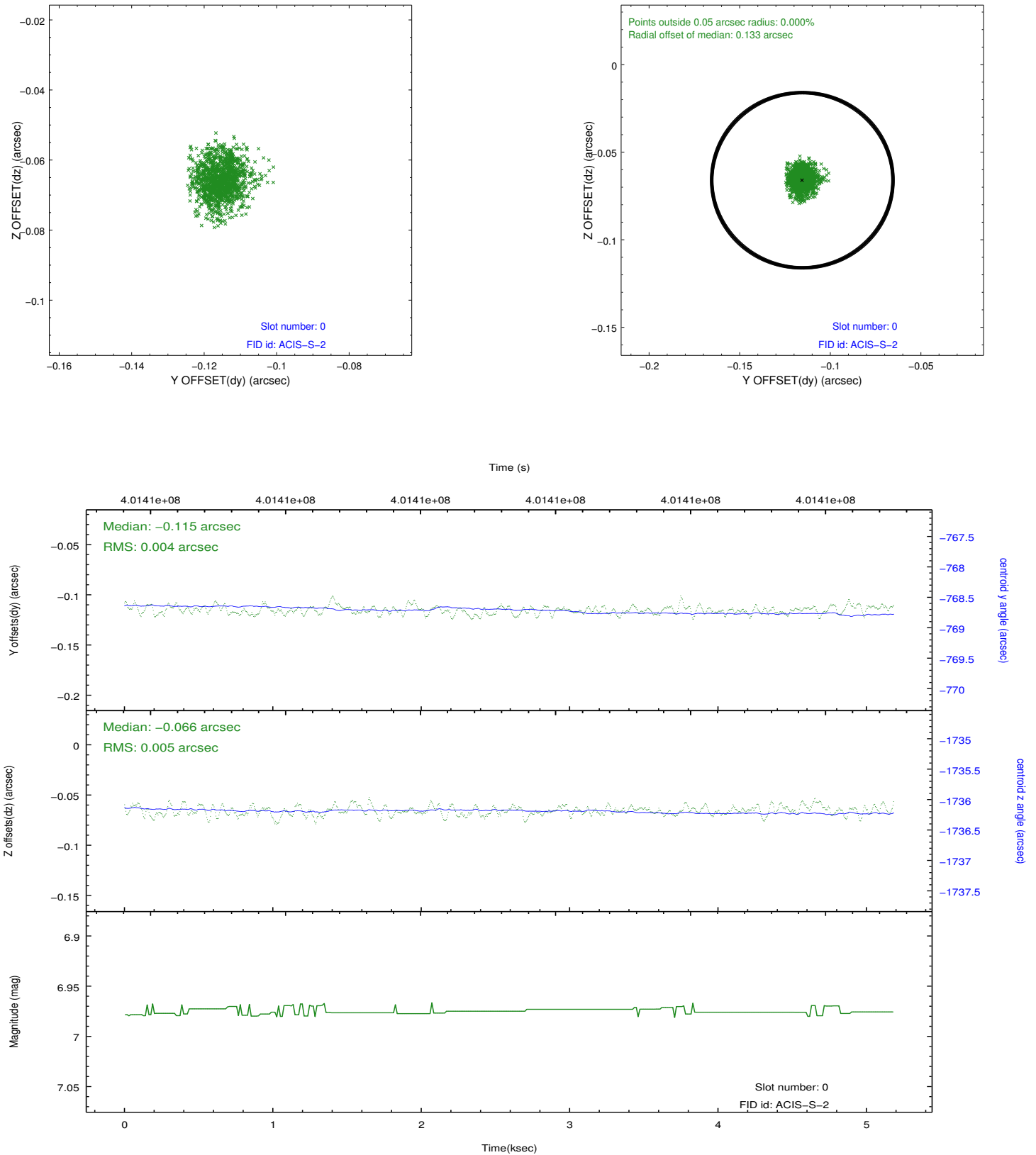


2.4.5 Slot 7

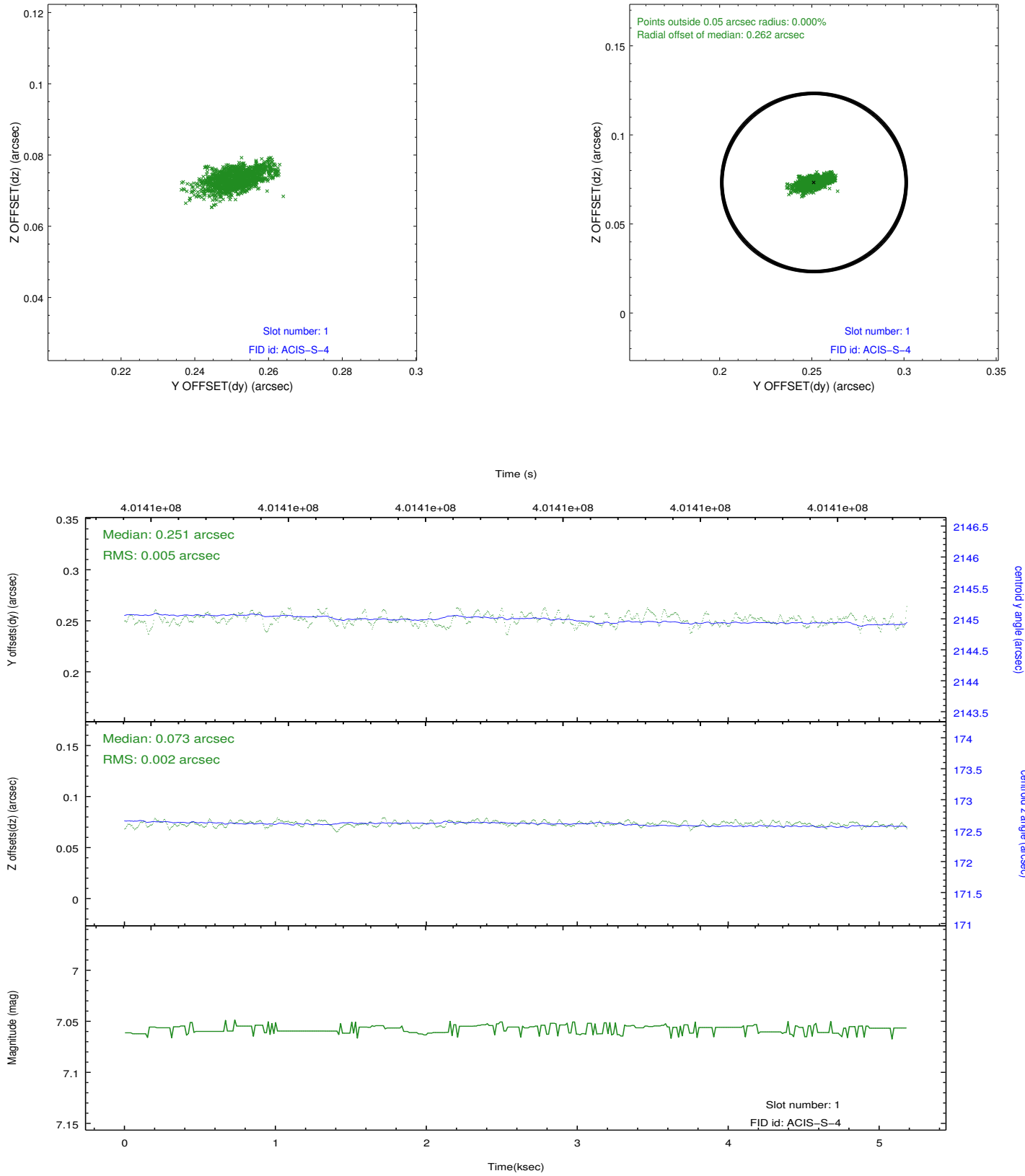


2.5 FID Slots

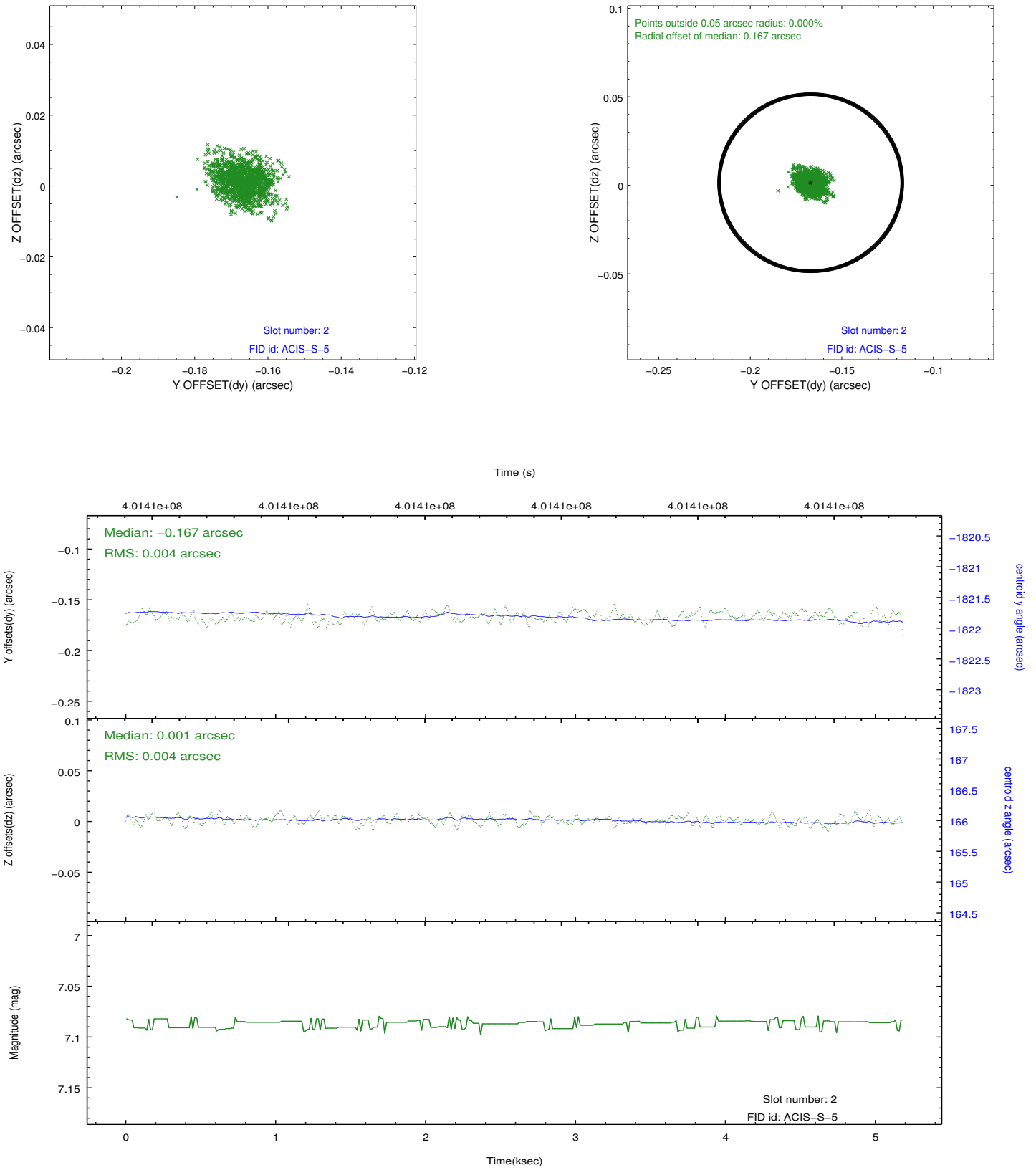
2.5.1 Slot 0



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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9599999815822

A.2 Comments