

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13007 - L2 Version 2
Chandra X-Ray Center

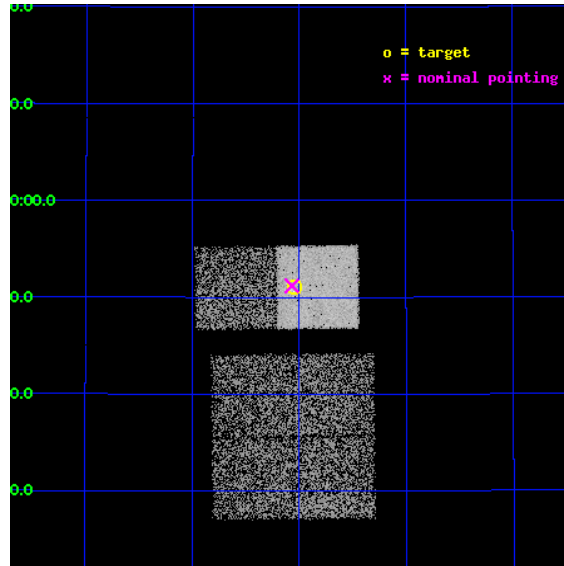
L2 Processing Date : Jul 5 2012

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1 Front

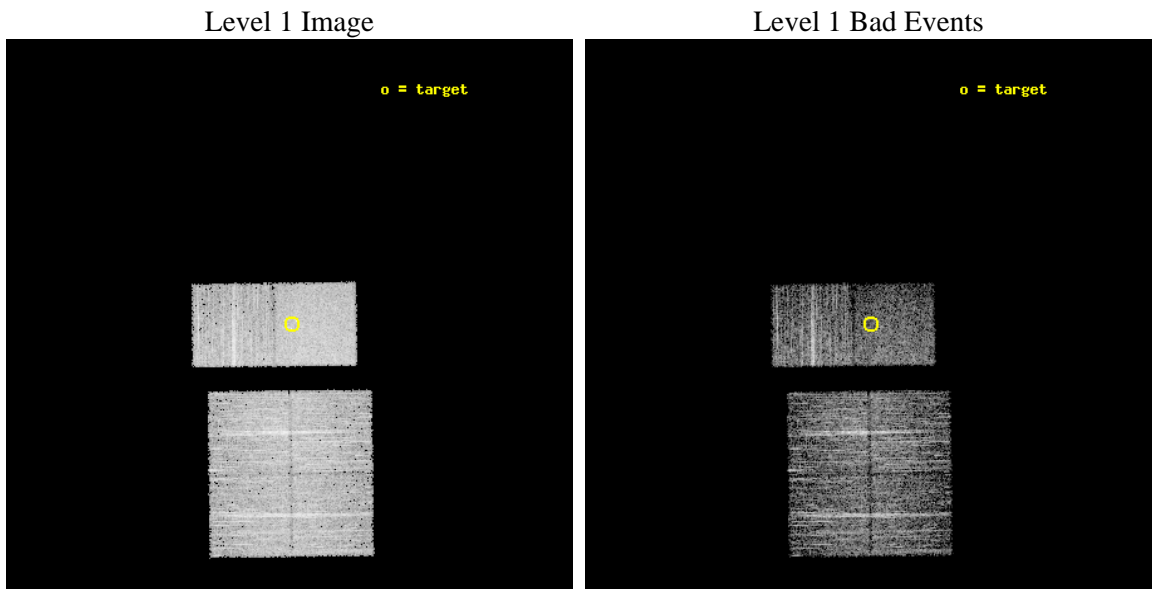
seq_num	600971	Sequence number
obs_id	13007	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J135702.8+415103	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.261667	Observer's specified target RA [deg]
dec_targ	41.850833	Observer's specified target Dec [deg]
ra_nom	209.26728704194	Nominal RA [deg]
dec_nom	41.853282928801	Nominal Dec [deg]
roll_nom	359.3168552791	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4963.1999815702	Sum of GTIs [s]
livetime	4900.3529549234	Livetime [s]
ontime0	4963.1999815702	Sum of GTIs [s]
ontime1	4963.1999815702	Sum of GTIs [s]
ontime2	4963.1999815702	Sum of GTIs [s]
ontime3	4963.1999815702	Sum of GTIs [s]
ontime6	4963.1999815702	Sum of GTIs [s]
ontime7	4963.1999815702	Sum of GTIs [s]
l2events	35169	Number of level 2 events



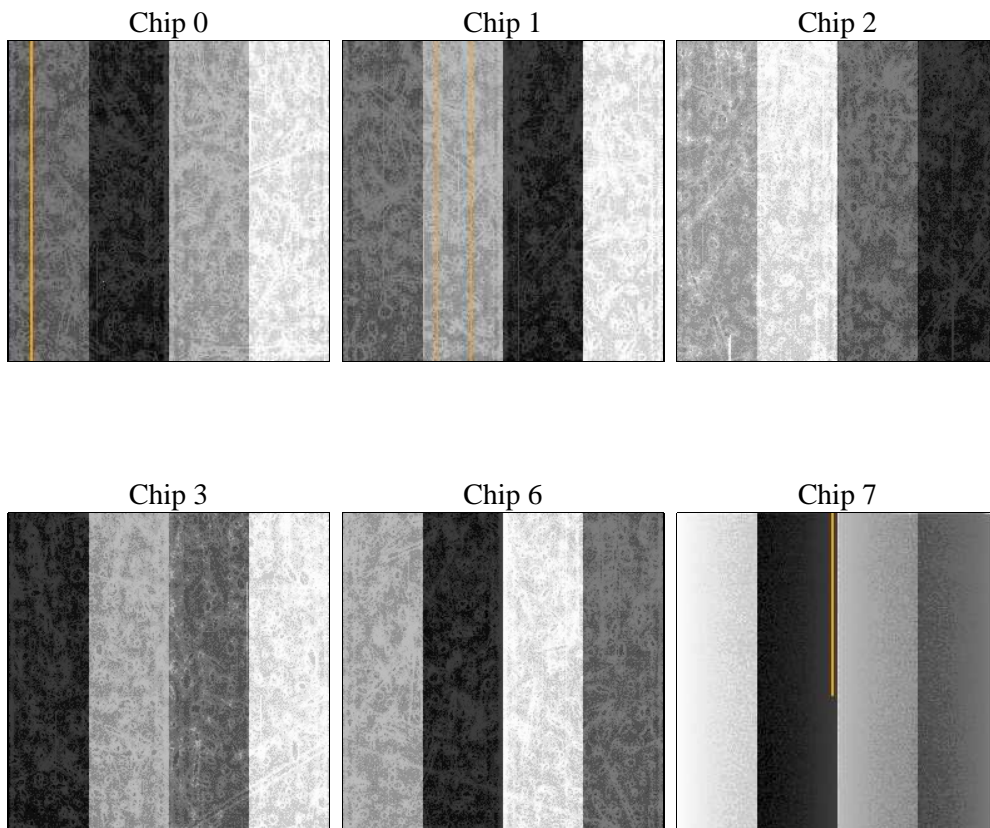
2 OBI

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	4963.1999815702	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	4963.1999815702	Sum of GTIs [s]
date	2012-07-05T07:08:42	Date and time of file creation	ontime1	4963.1999815702	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4963.1999815702	Sum of GTIs [s]
			ontime3	4963.1999815702	Sum of GTIs [s]
			ontime6	4963.1999815702	Sum of GTIs [s]
			ontime7	4963.1999815702	Sum of GTIs [s]
			l1events	212857	Number of level 1 events

2.1.4 Events

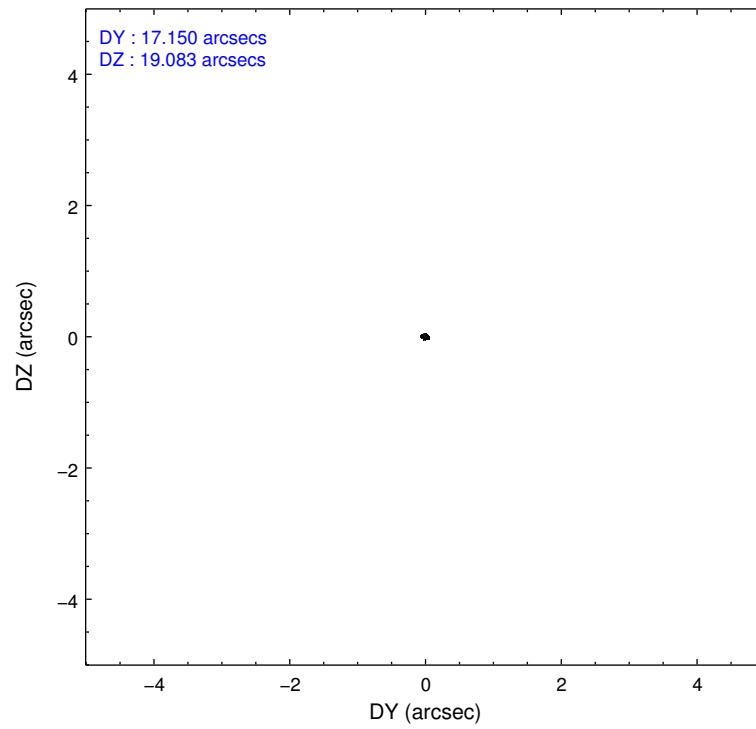
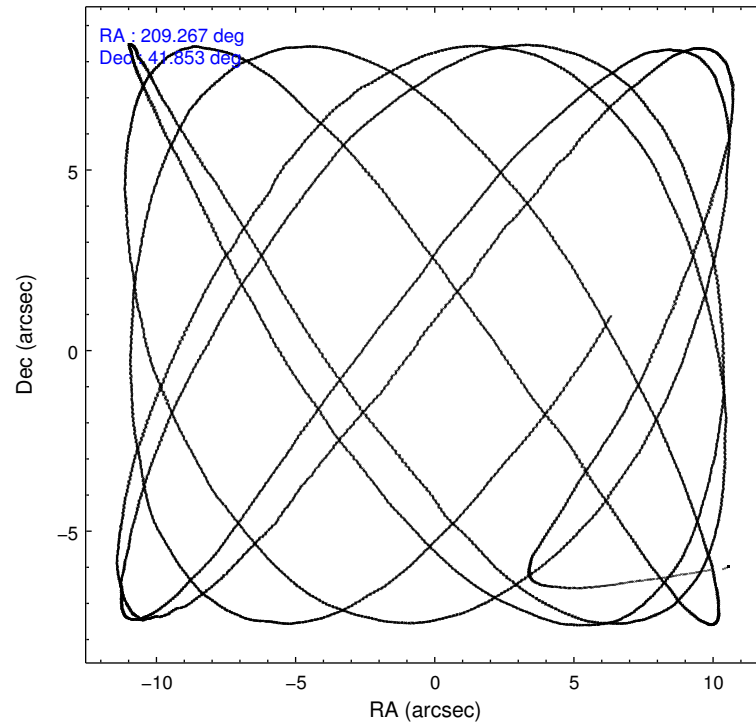
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	33210	30875	36036	34554	34871	43311	grade 0 events	1367	1478	1300	1216	1409	1863
rejected events	29313	26619	32325	31023	30917	23877		4%	4%	3%	3%	4%	4%
rejected %	88%	86%	89%	89%	88%	55%	grade 1 events	24	17	17	20	15	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	973	994	932	807	921	4061
								2%	3%	2%	2%	2%	9%
							grade 3 events	423	454	395	401	381	1683
								1%	1%	1%	1%	1%	3%
							grade 4 events	370	446	372	386	407	1645
								1%	1%	1%	1%	1%	3%
							grade 5 events	1478	1513	1356	1547	1604	4327
								4%	4%	3%	4%	4%	9%
							grade 6 events	770	887	713	723	839	10195
								2%	2%	1%	2%	2%	23%
							grade 7 events	27805	25086	30951	29454	29295	19492
								83%	81%	85%	85%	84%	45%

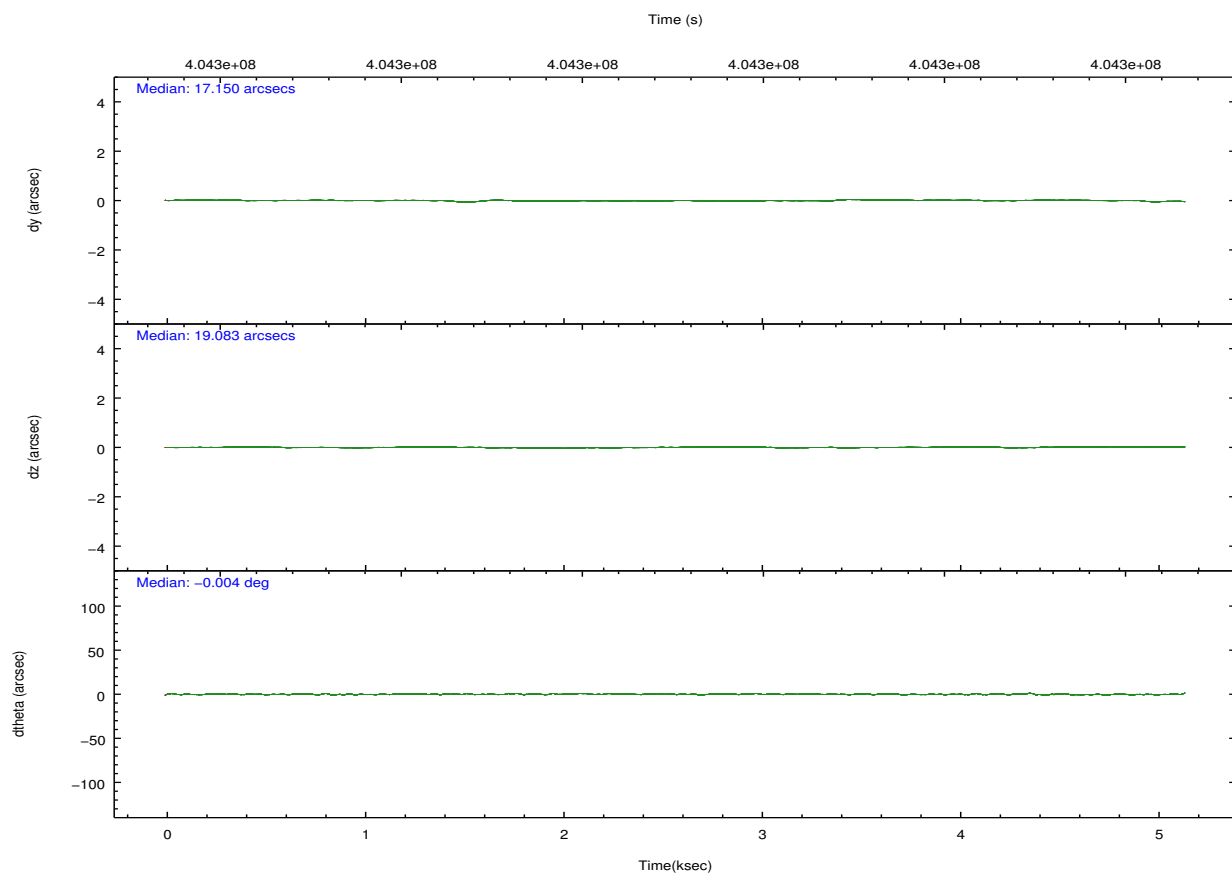
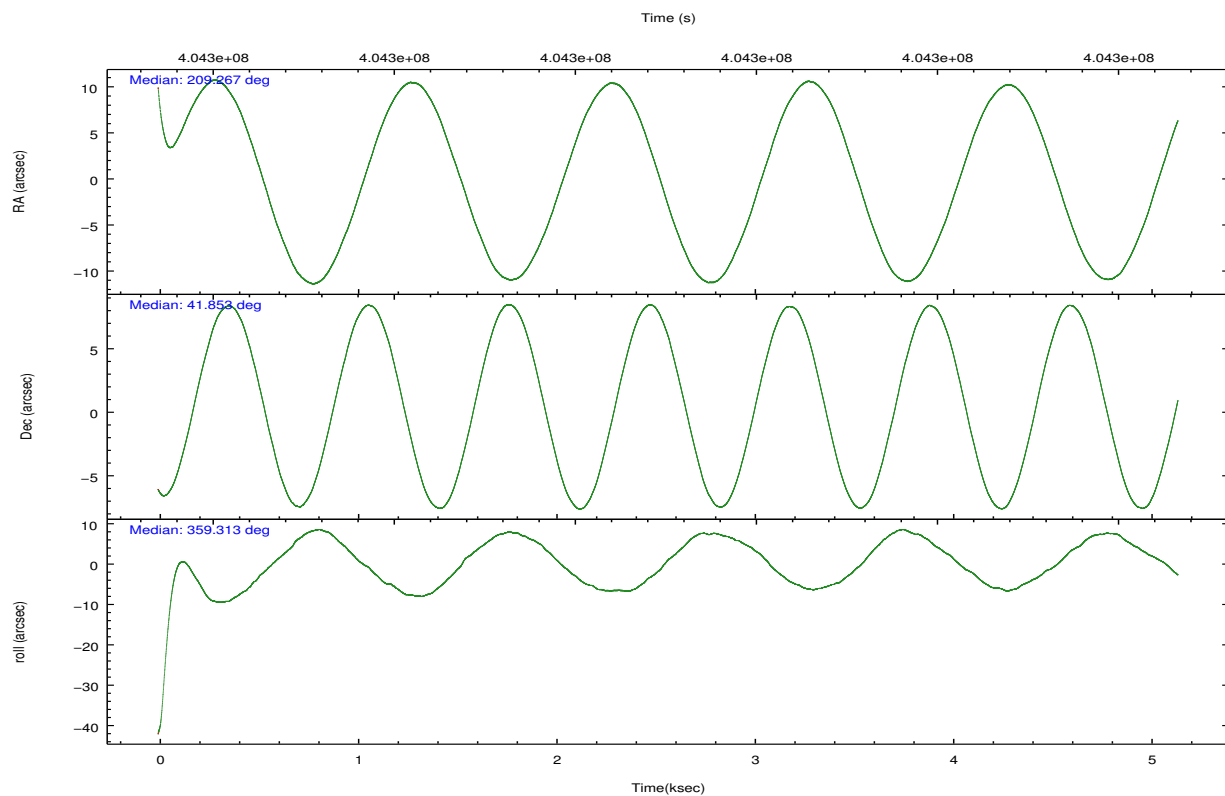
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	209.235490	209.2672870419401
[deg] Pointing Dec	41.839616	41.85328292880067
[deg] Pointing Roll	359.181559	359.3168552790988
[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)	404298082.184000	404296431.84186
Observation start date	2010-10-24T09:00:16	2010-10-24T08:33:51
[s] Observation end time (MET)	404303082.184000	404304169.05476
Observation end date	2010-10-24T10:23:36	2010-10-24T10:42:49
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



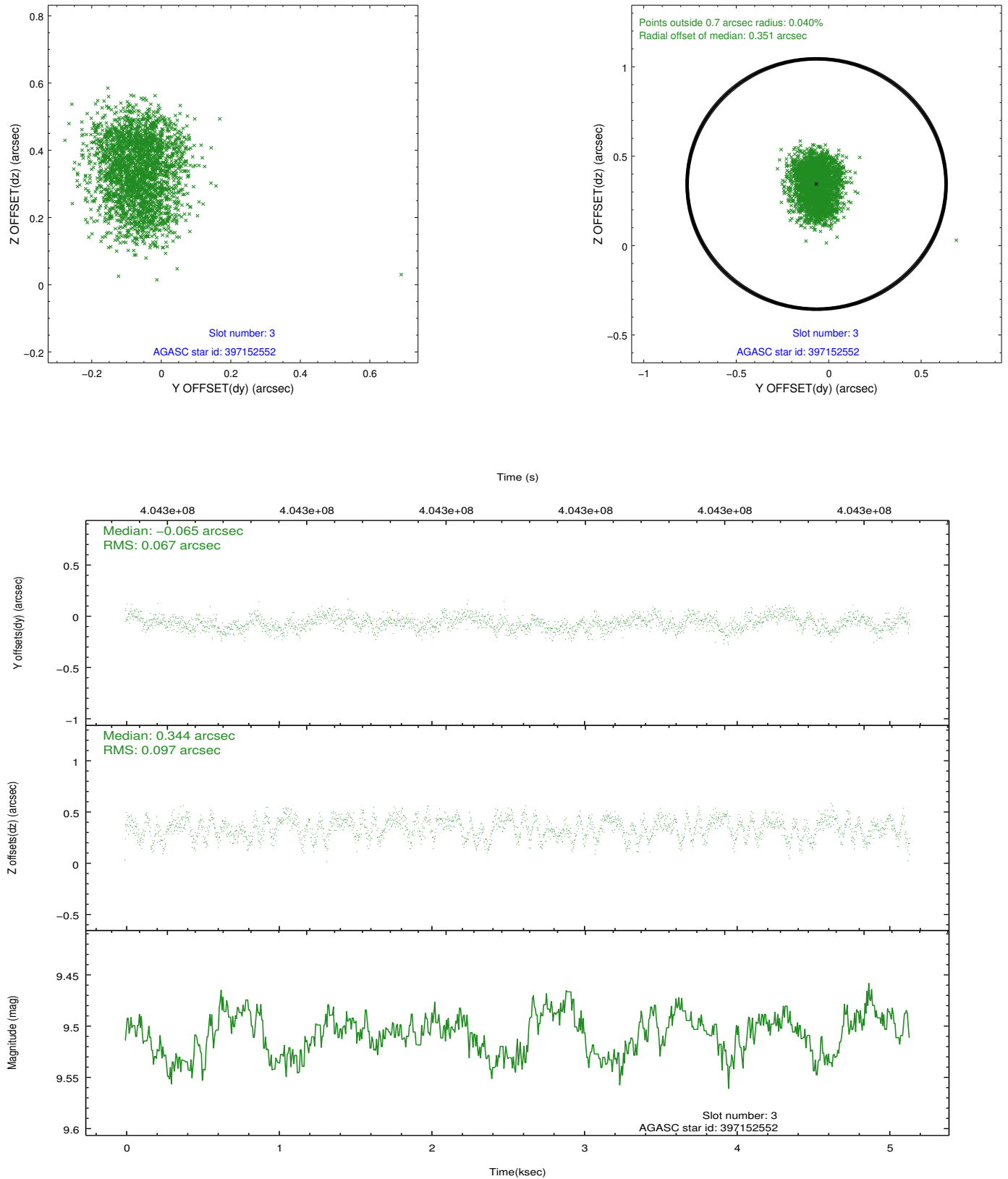


Slot Statistics

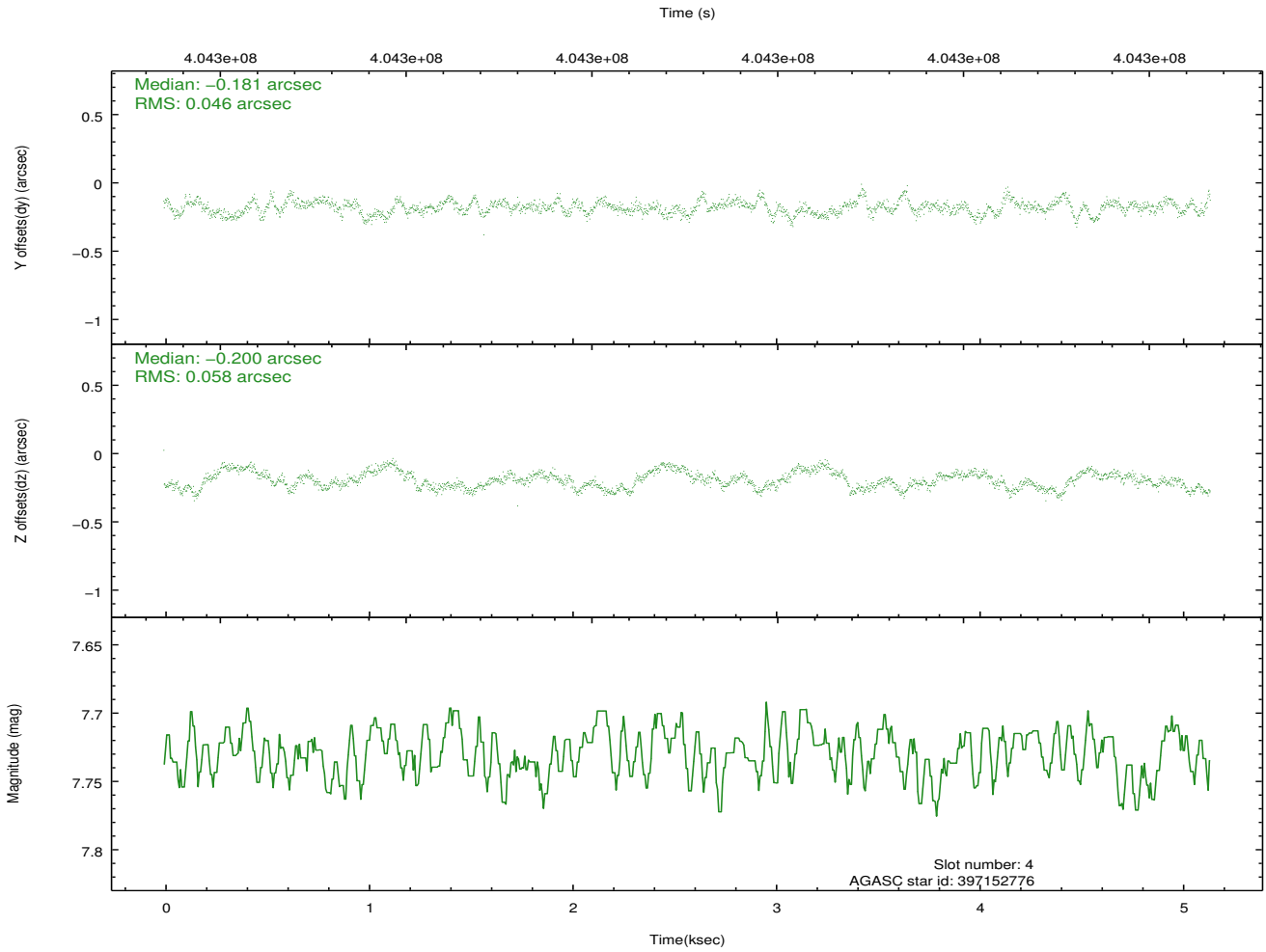
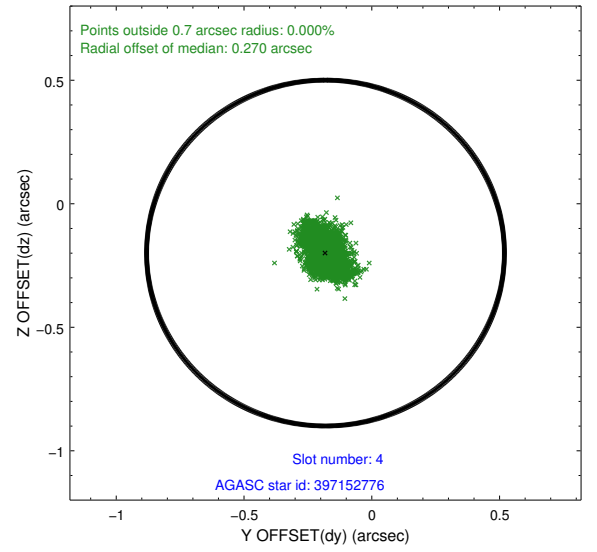
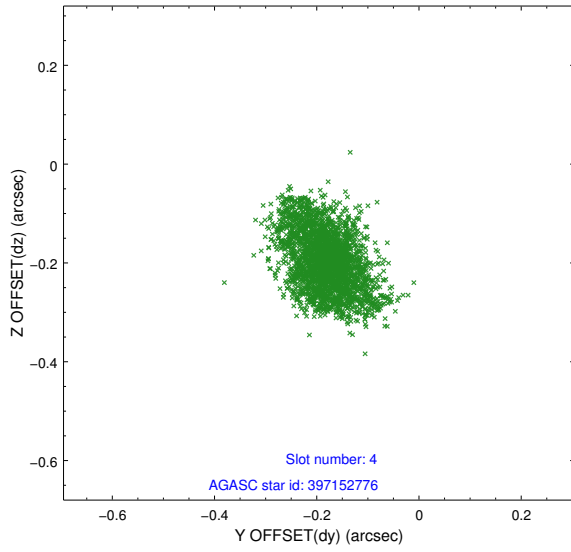
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1255	-0.075	-0.033	0.006	0.010	0.000000	0.000000	-770.26	-1740.55
1	FID	ACIS-S-4	6.96	1255	0.174	0.045	0.005	0.011	0.000000	0.000000	2142.73	166.77
2	FID	ACIS-S-5	7.00	1255	-0.131	-0.003	0.006	0.011	0.000000	0.000000	-1821.64	161.76
3	GUIDE	397152552	9.51	2503	-0.065	0.344	0.128	0.198	208.603940	41.206789	-1677.68	-2295.64
4	GUIDE	397152776	7.73	2509	-0.181	-0.200	0.081	0.131	209.922998	42.049808	1826.08	789.88
5	GUIDE	397152864	9.80	2505	-0.113	-0.304	0.137	0.232	208.953768	42.428662	-778.23	2111.15
6	GUIDE	397152952	9.22	2493	0.132	0.074	0.105	0.169	209.949084	41.350080	1953.50	-1725.31
7	GUIDE	397156440	8.56	2507	0.233	0.090	0.074	0.120	208.545135	41.543749	-1844.16	-1084.29

2.4 Star Slots

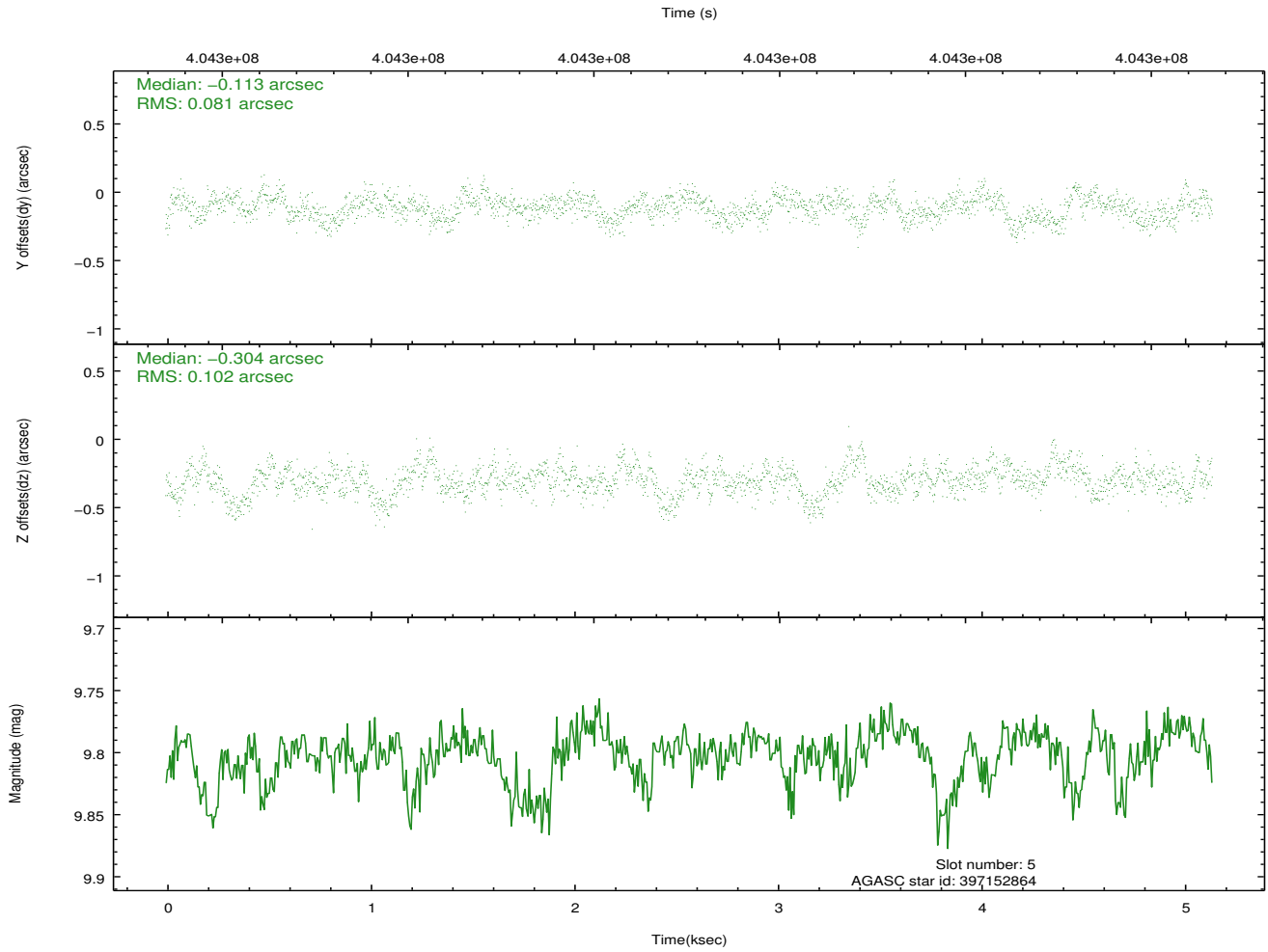
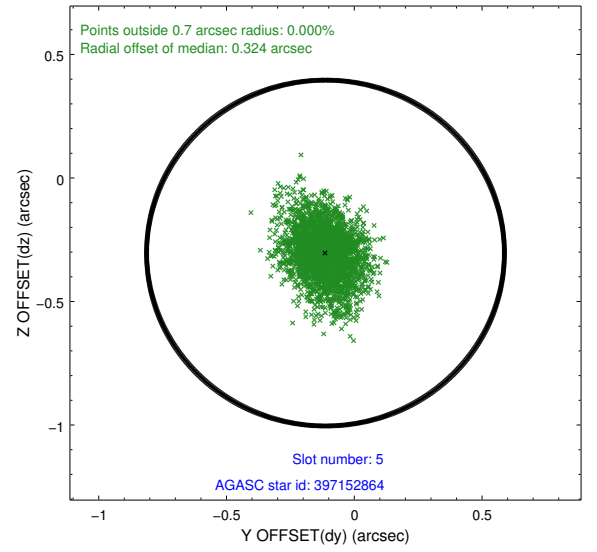
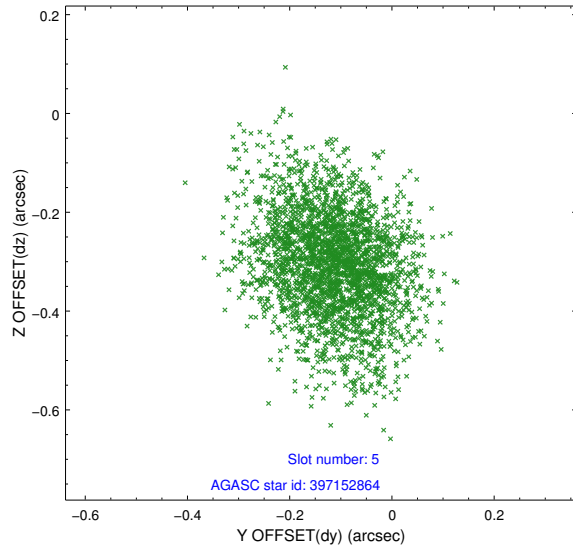
2.4.1 Slot 3



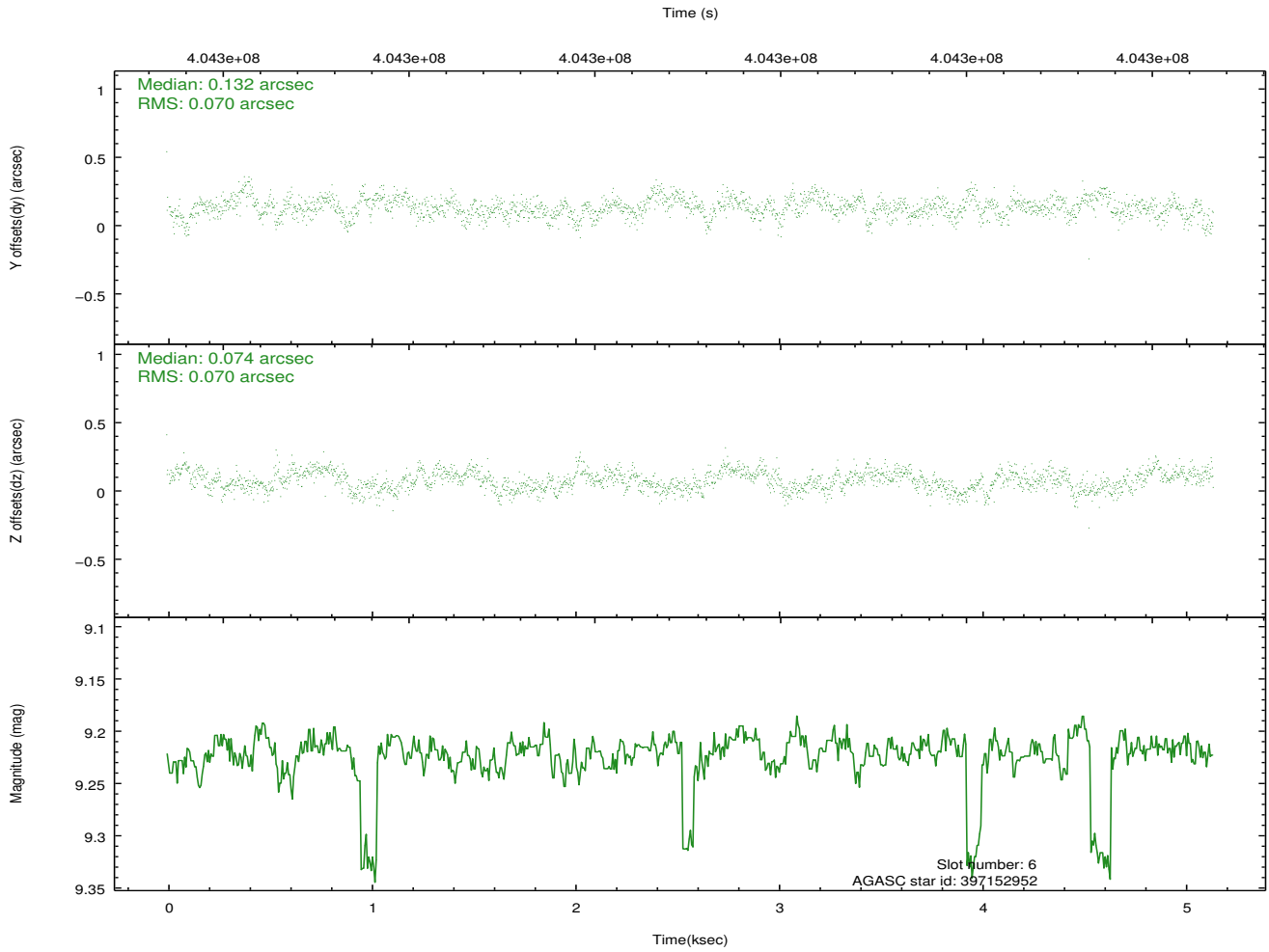
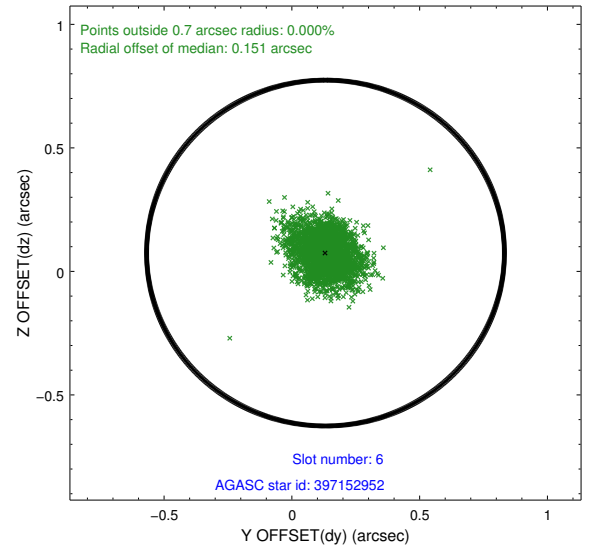
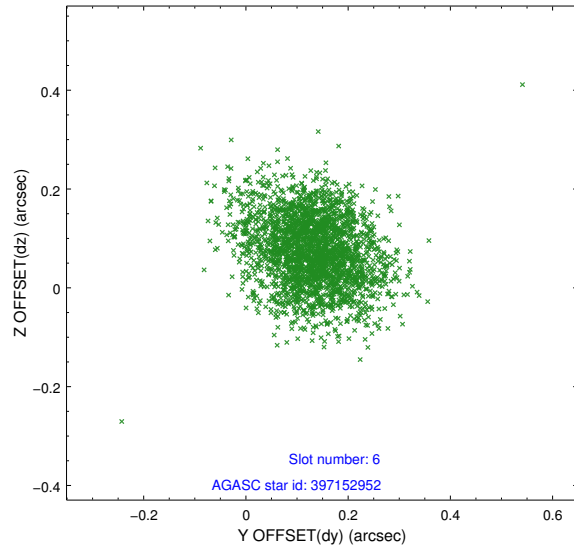
2.4.2 Slot 4



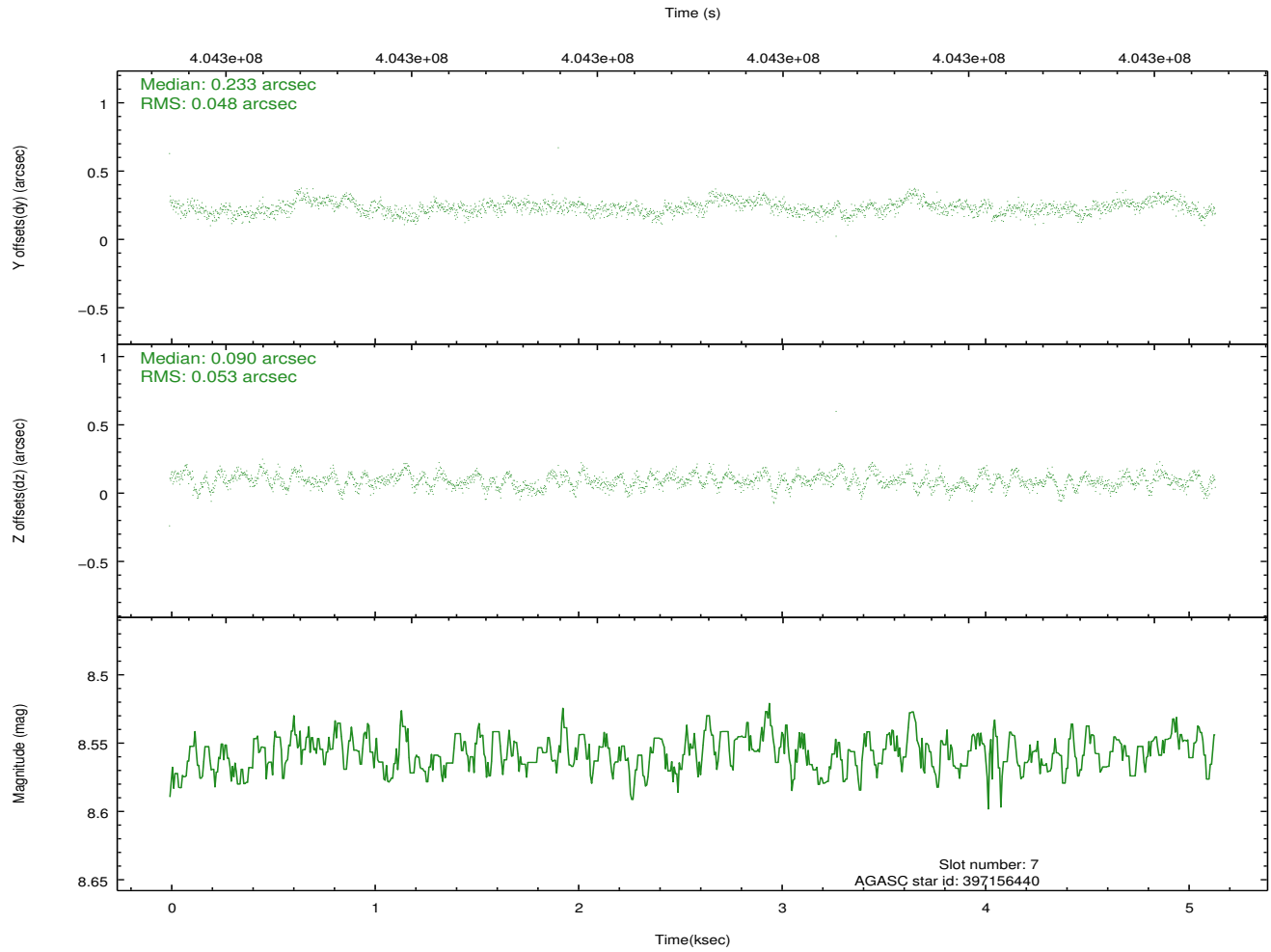
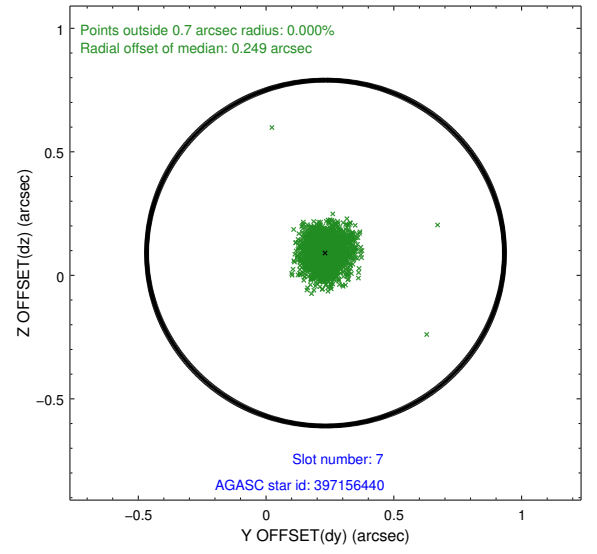
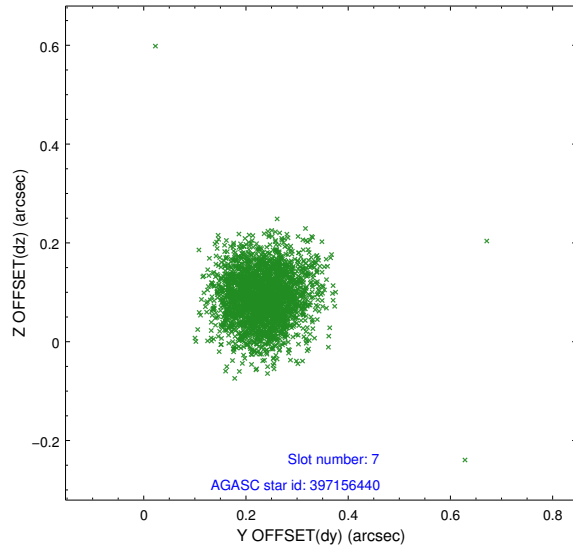
2.4.3 Slot 5



2.4.4 Slot 6

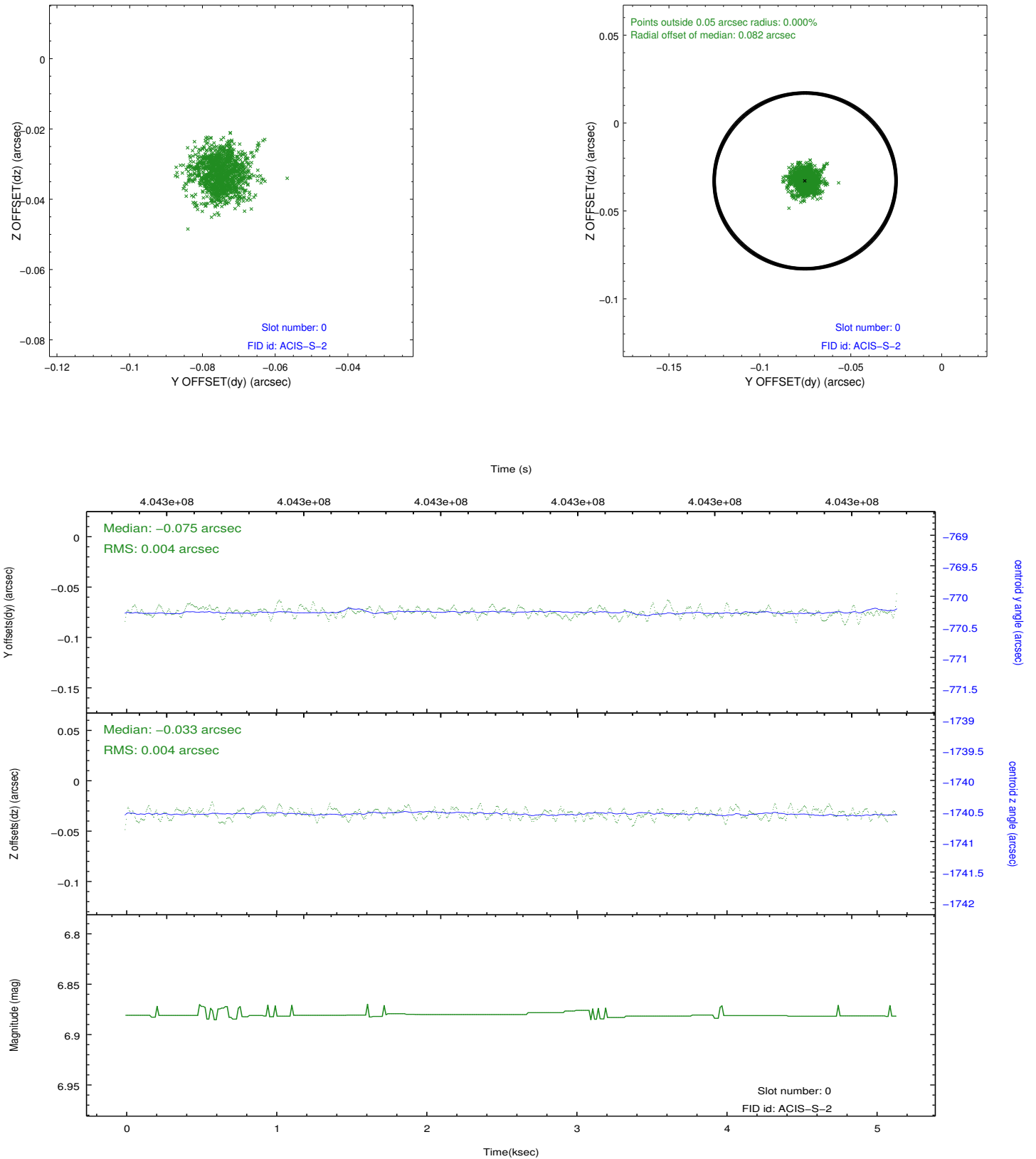


2.4.5 Slot 7

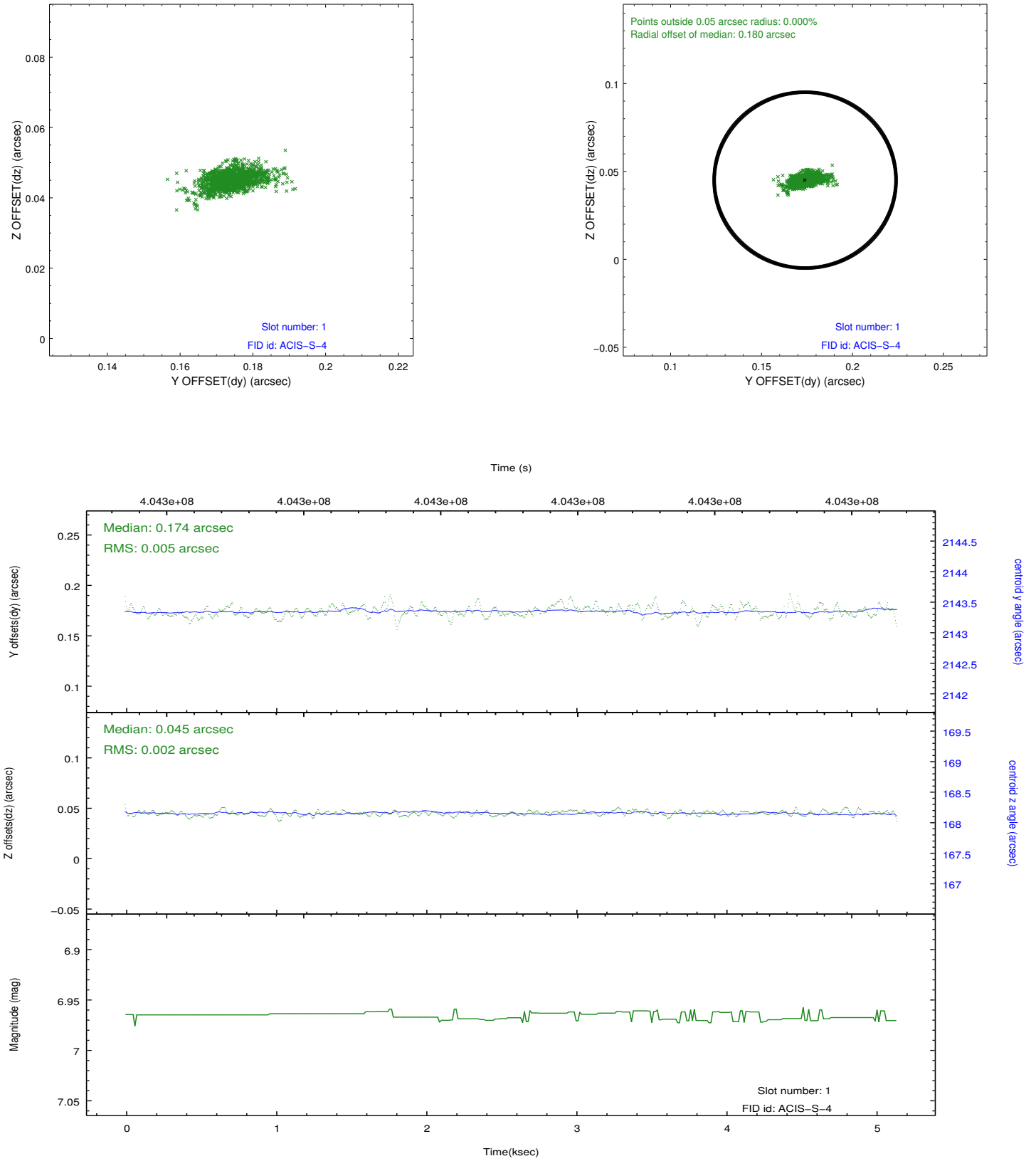


2.5 FID Slots

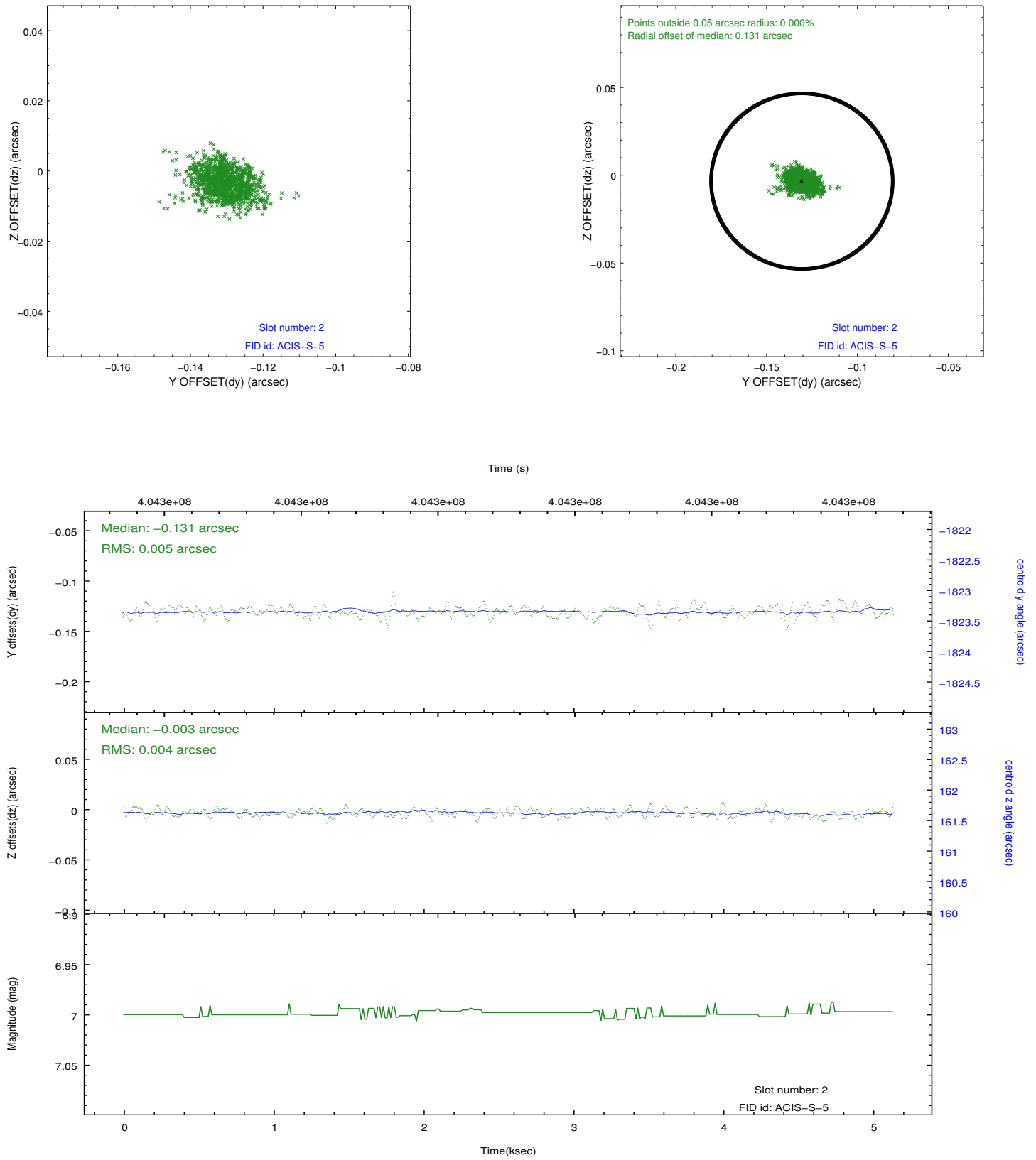
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9631999815702

A.2 Comments