

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 410 - L2 Version 4
Chandra X-Ray Center

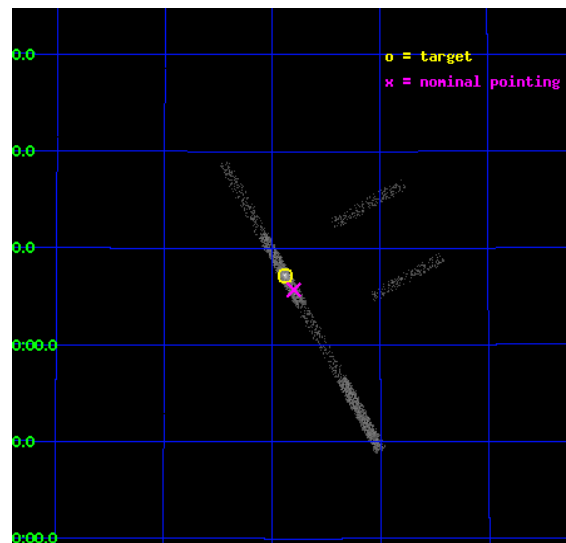
L2 Processing Date : Aug 29 2012

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1 Front

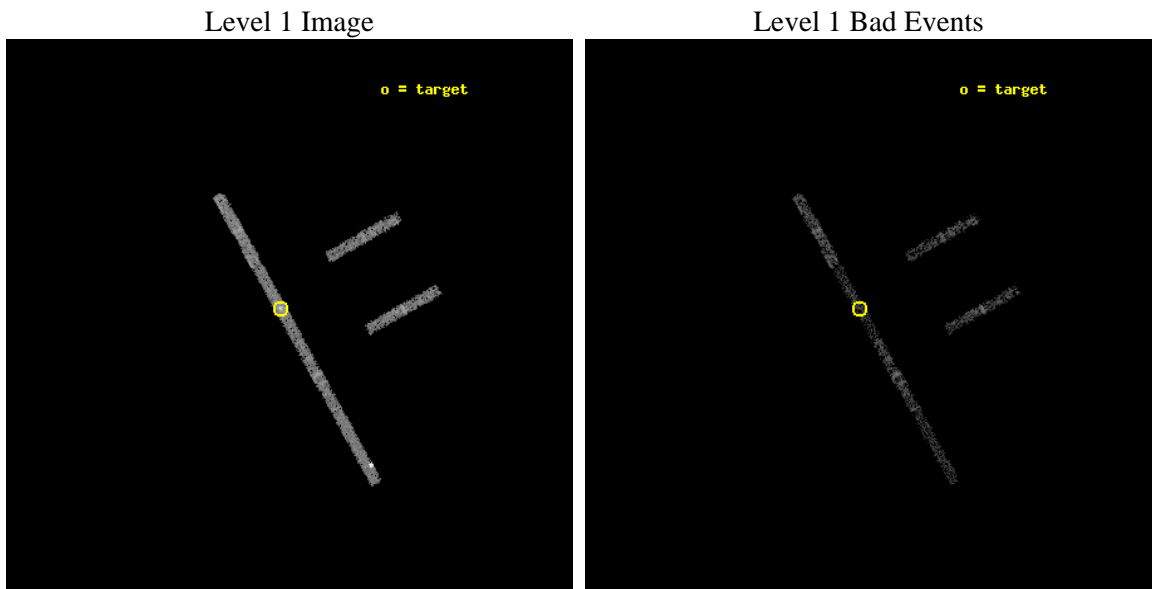
seq_num	700082	Sequence number
obs_id	410	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Professor Gordon Garmire	Principal investigator
object	NGC 4736	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.720833	Observer's specified target RA [deg]
dec_targ	41.12	Observer's specified target Dec [deg]
ra_nom	192.69972235054	Nominal RA [deg]
dec_nom	41.095275514581	Nominal Dec [deg]
roll_nom	240.91588158342	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2431.999990955	Sum of GTIs [s]
livetime	2313.326349239	Livetime [s]
ontime2	2431.999990955	Sum of GTIs [s]
ontime3	2431.1434186995	Sum of GTIs [s]
ontime5	2431.999990955	Sum of GTIs [s]
ontime6	2431.999990955	Sum of GTIs [s]
ontime7	2431.999990955	Sum of GTIs [s]
ontime8	2431.999990955	Sum of GTIs [s]
l2events	4633	Number of level 2 events



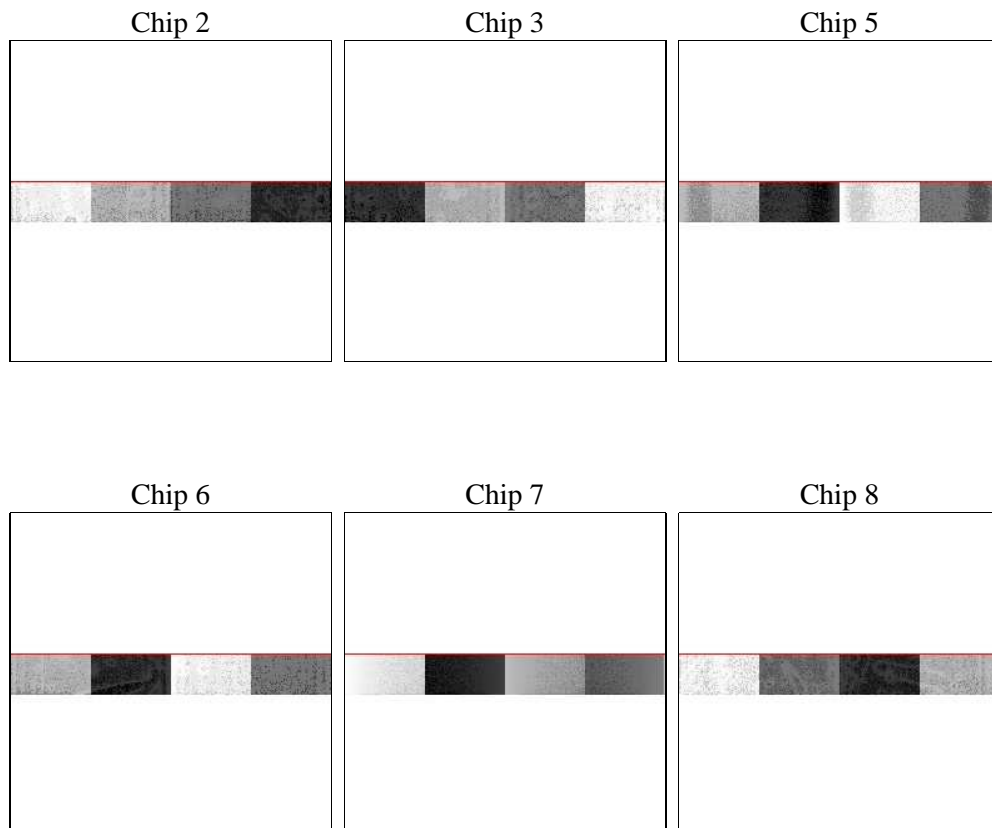
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2431.999990955	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	2431.999990955	Sum of GTIs [s]
date	2012-08-29T21:31:56	Date and time of file creation	ontime3	2431.1434186995	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2431.999990955	Sum of GTIs [s]
			ontime6	2431.999990955	Sum of GTIs [s]
			ontime7	2431.999990955	Sum of GTIs [s]
			ontime8	2431.999990955	Sum of GTIs [s]
			l1events	21230	Number of level 1 events

2.1.4 Events

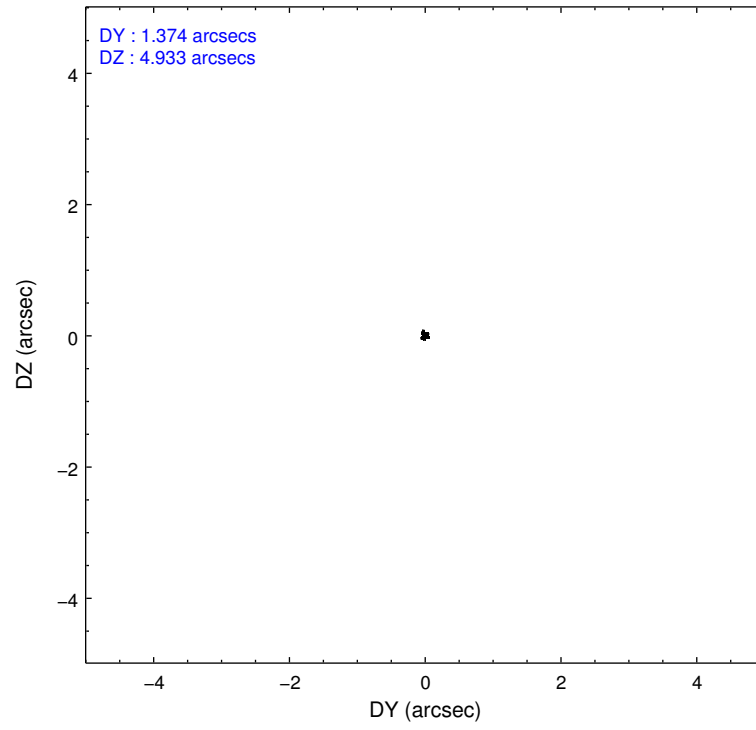
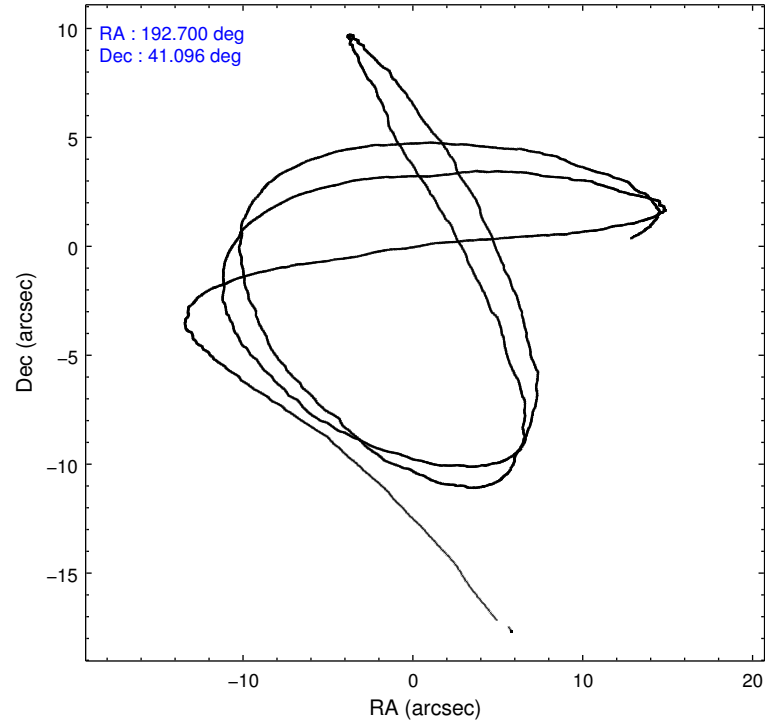
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	2572	2505	5411	2788	4119	3835
rejected events	2305	2272	1419	2510	1510	3247
rejected %	89%	90%	26%	90%	36%	84%

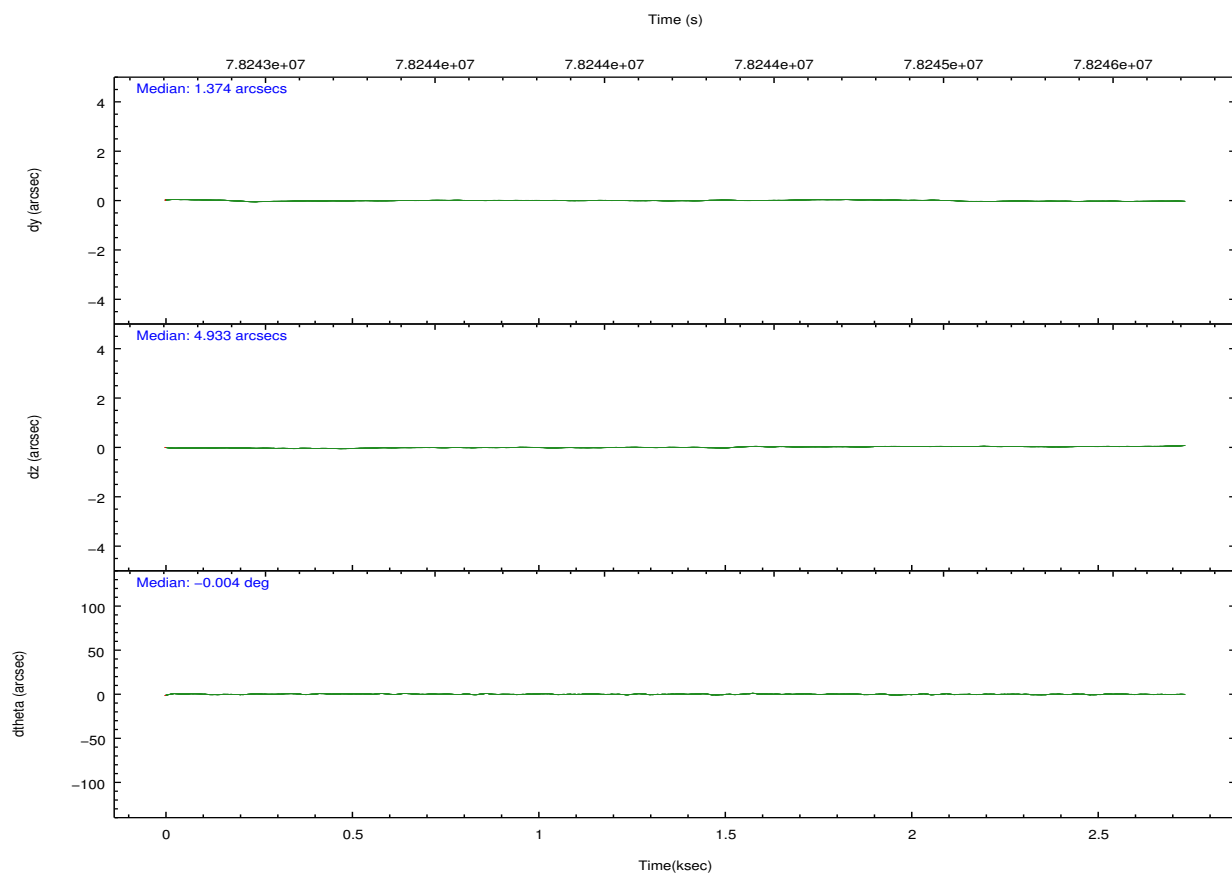
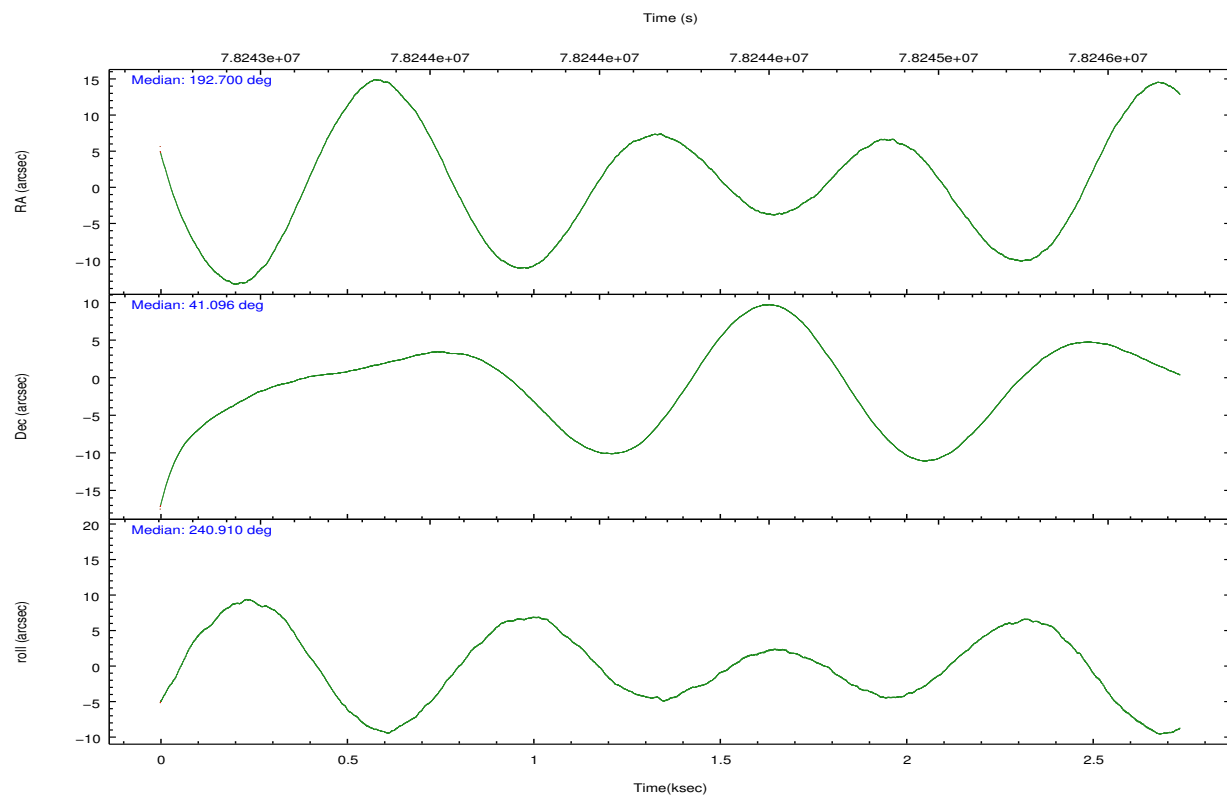
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	104	69	1537	94	727	158
	4%	2%	28%	3%	17%	4%
grade 1 events	1	0	12	0	3	0
	0%	0%	0%	0%	0%	0%
grade 2 events	33	54	1601	49	577	126
	1%	2%	29%	1%	14%	3%
grade 3 events	40	35	95	49	274	74
	1%	1%	1%	1%	6%	1%
grade 4 events	41	35	124	47	293	70
	1%	1%	2%	1%	7%	1%
grade 5 events	57	74	221	74	275	121
	2%	2%	4%	2%	6%	3%
grade 6 events	49	40	636	39	739	160
	1%	1%	11%	1%	17%	4%
grade 7 events	2247	2198	1185	2436	1231	3126
	87%	87%	21%	87%	29%	81%

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	192.699001	192.6997223505401	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	41.122709	41.09527551458068	Subarray start row	447	447
[deg] Pointing Roll	240.759748	240.9158815834202	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	78243573.184000	78242344.96930701			
Observation start date	2000-06-24T14:18:29	2000-06-24T13:59:04			
[s] Observation end time (MET)	78245573.184000	78246174.36944801			
Observation end date	2000-06-24T14:51:49	2000-06-24T15:02:54			
Read mode	TIMED	TIMED			

2.3 Aspect



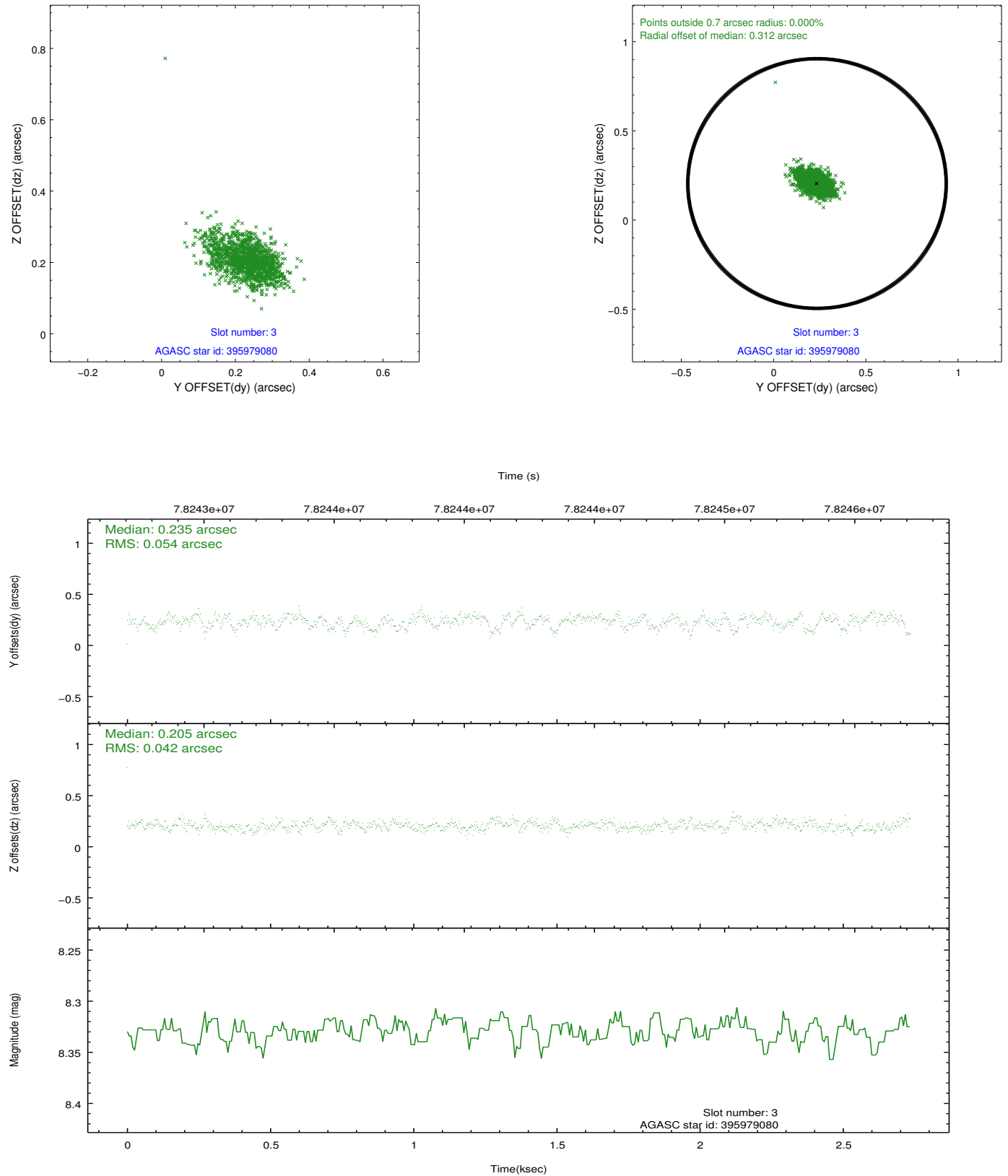


Slot Statistics

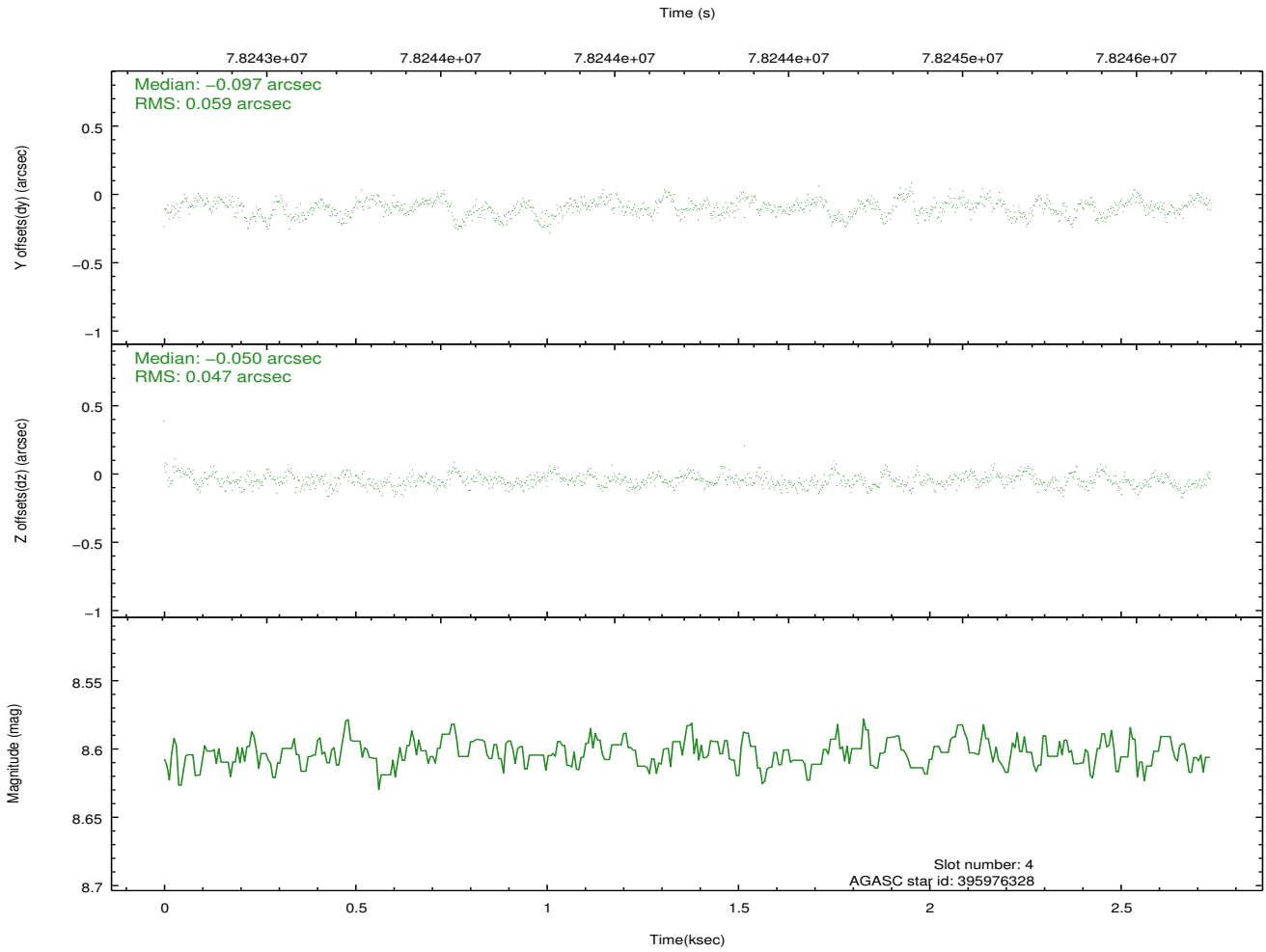
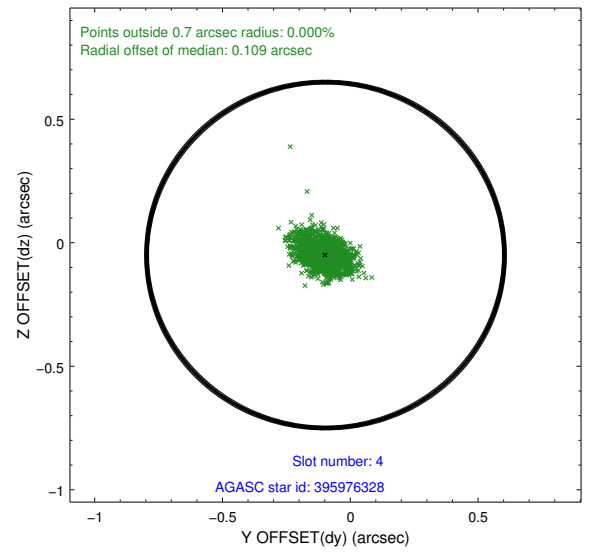
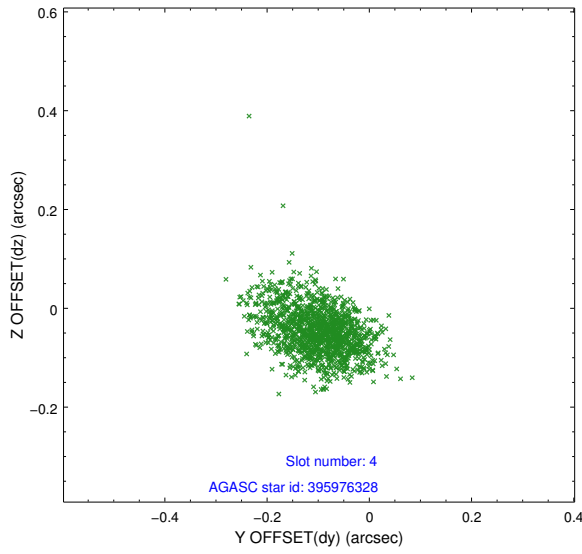
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	667	-0.036	-0.004	0.006	0.010	0.000000	0.000000	-754.00	-1726.00
1	FID	ACIS-S-4	7.21	667	-0.001	0.018	0.005	0.010	0.000000	0.000000	2158.25	180.08
2	FID	ACIS-S-5	7.24	667	0.005	-0.006	0.006	0.010	0.000000	0.000000	-1803.77	176.40
3	GUIDE	395979080	8.33	1333	0.235	0.205	0.070	0.121	192.994549	40.241521	2369.91	2258.37
4	GUIDE	395976328	8.60	1334	-0.097	-0.050	0.078	0.131	193.402586	40.890368	-211.04	2077.41
5	GUIDE	396238456	8.85	1334	-0.138	-0.216	0.082	0.129	192.210514	41.569667	-764.97	-1934.36
6	GUIDE	396232360	9.42	1334	-0.055	0.049	0.084	0.141	192.726371	41.259126	-465.60	-176.53
7	GUIDE	395977376	9.44	1333	0.066	0.006	0.086	0.138	192.809994	40.775894	940.79	874.01

2.4 Star Slots

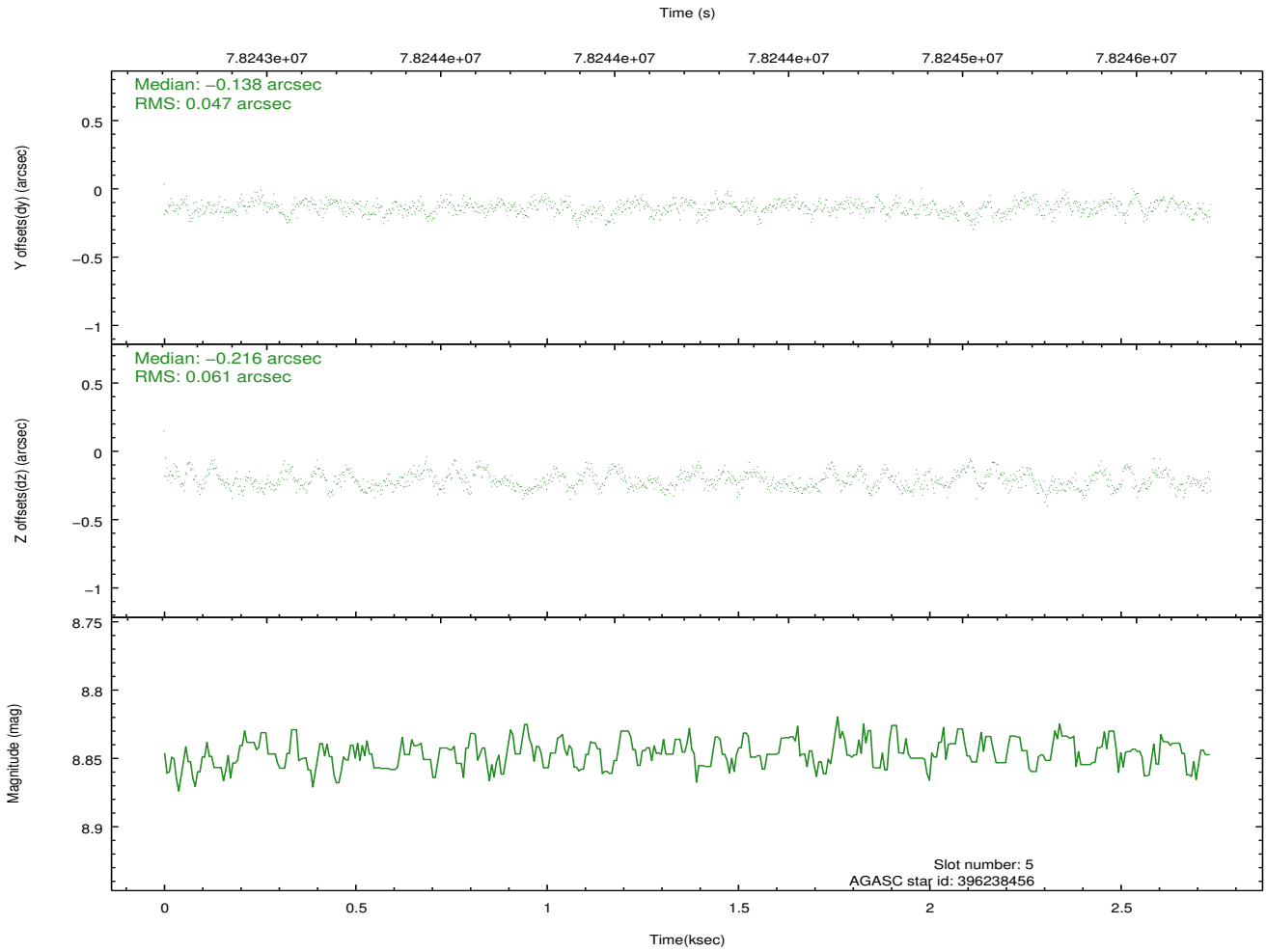
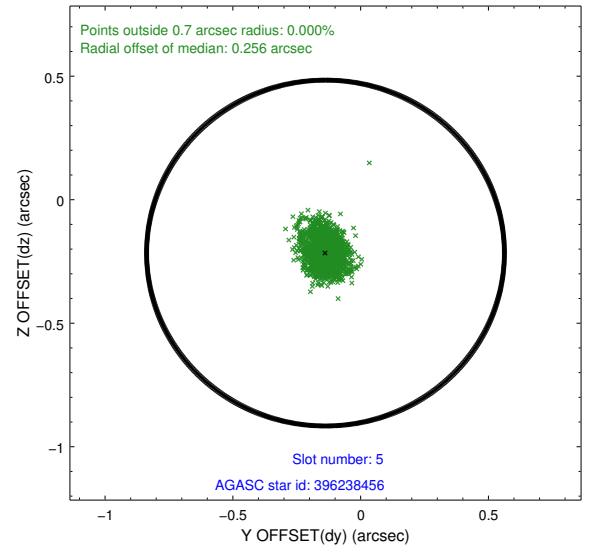
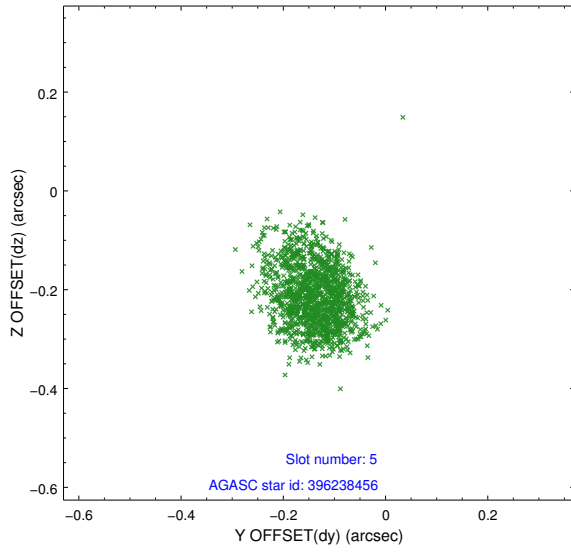
2.4.1 Slot 3



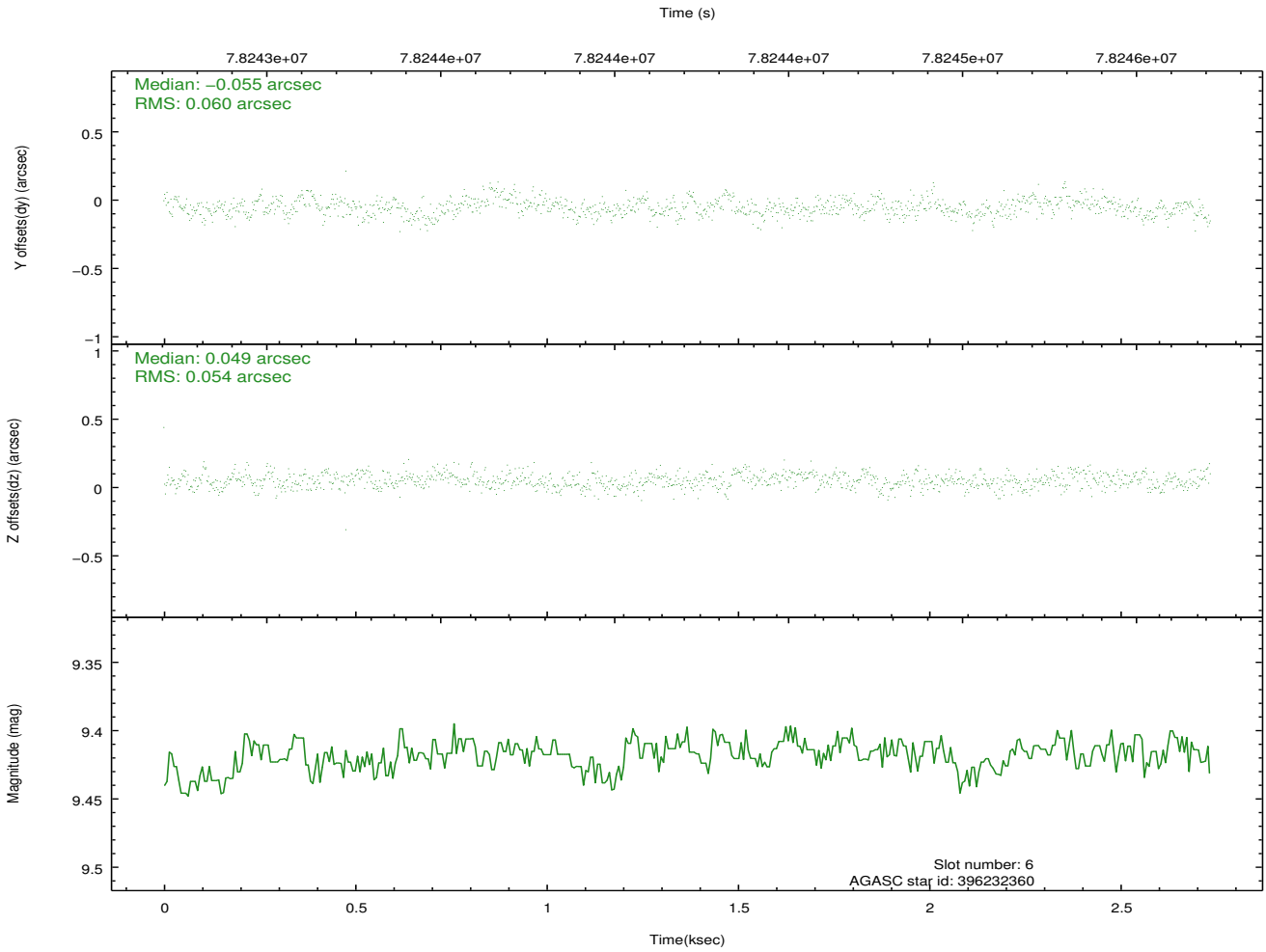
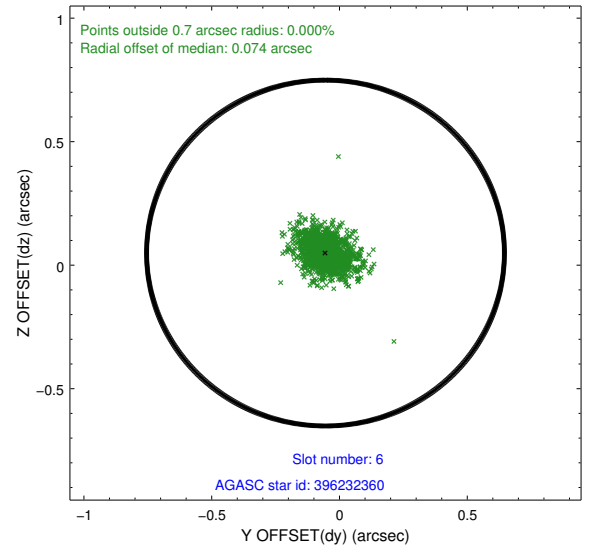
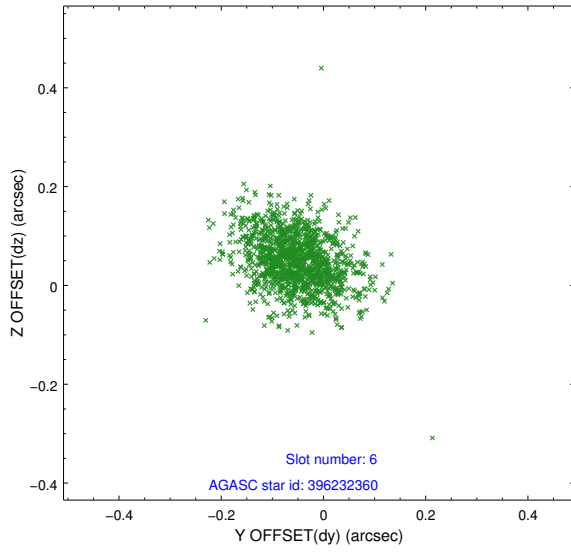
2.4.2 Slot 4



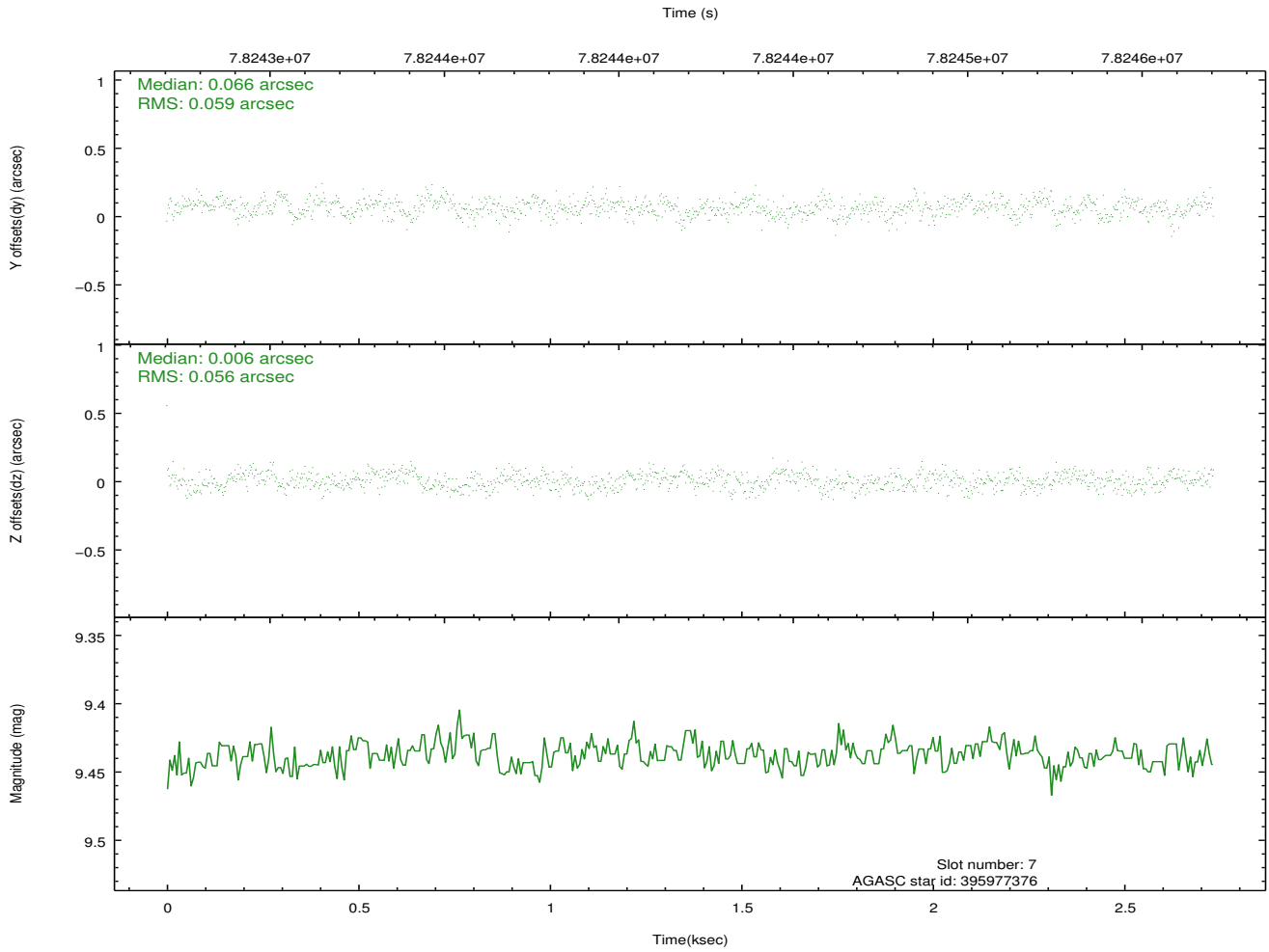
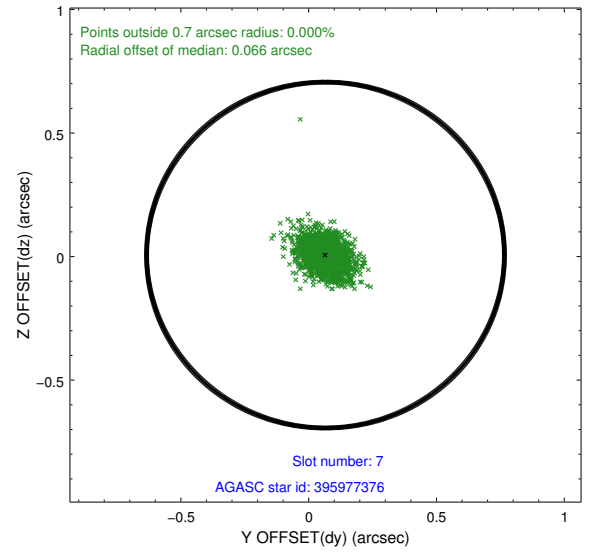
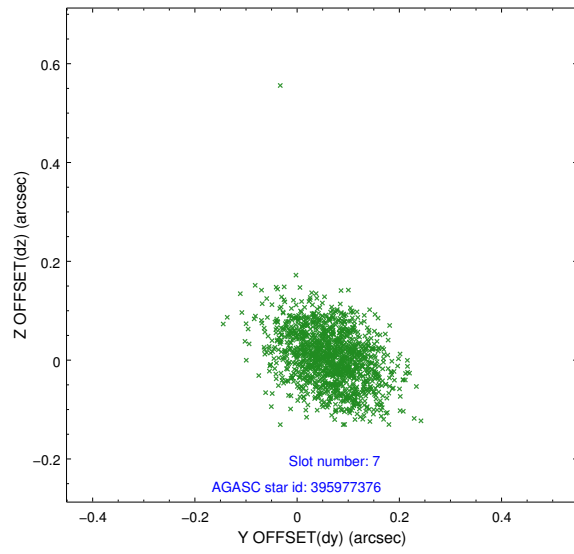
2.4.3 Slot 5



2.4.4 Slot 6

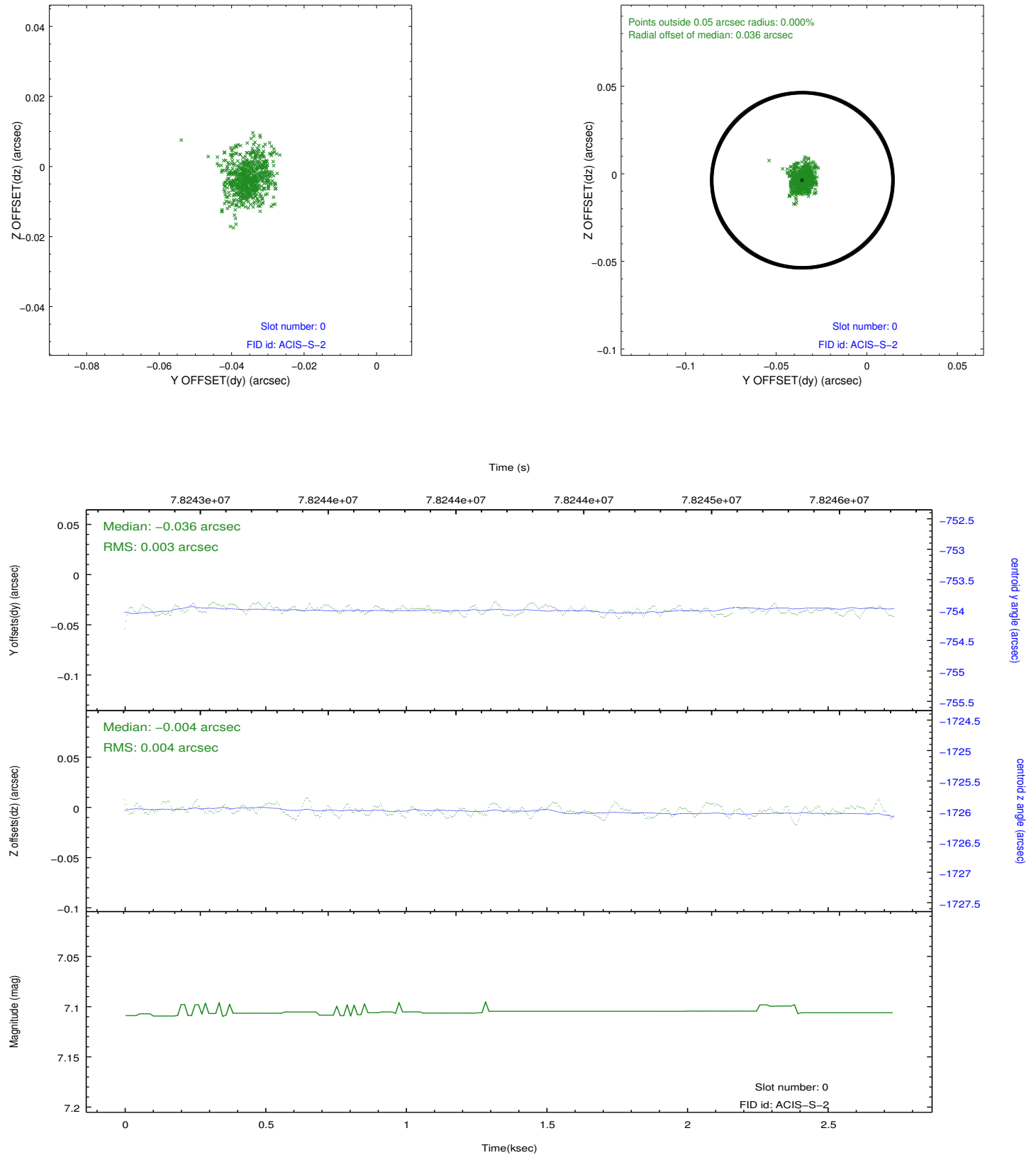


2.4.5 Slot 7

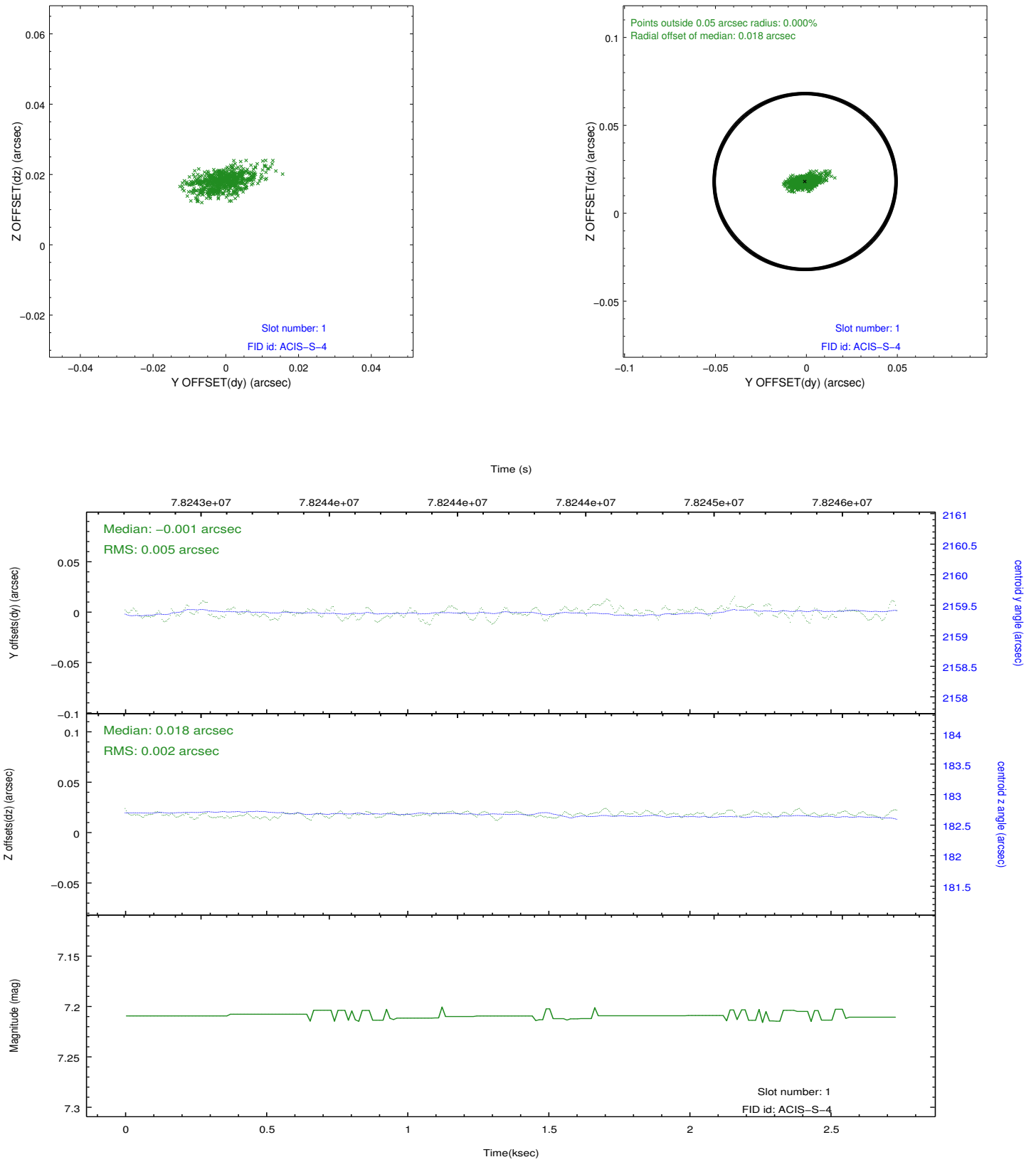


2.5 FID Slots

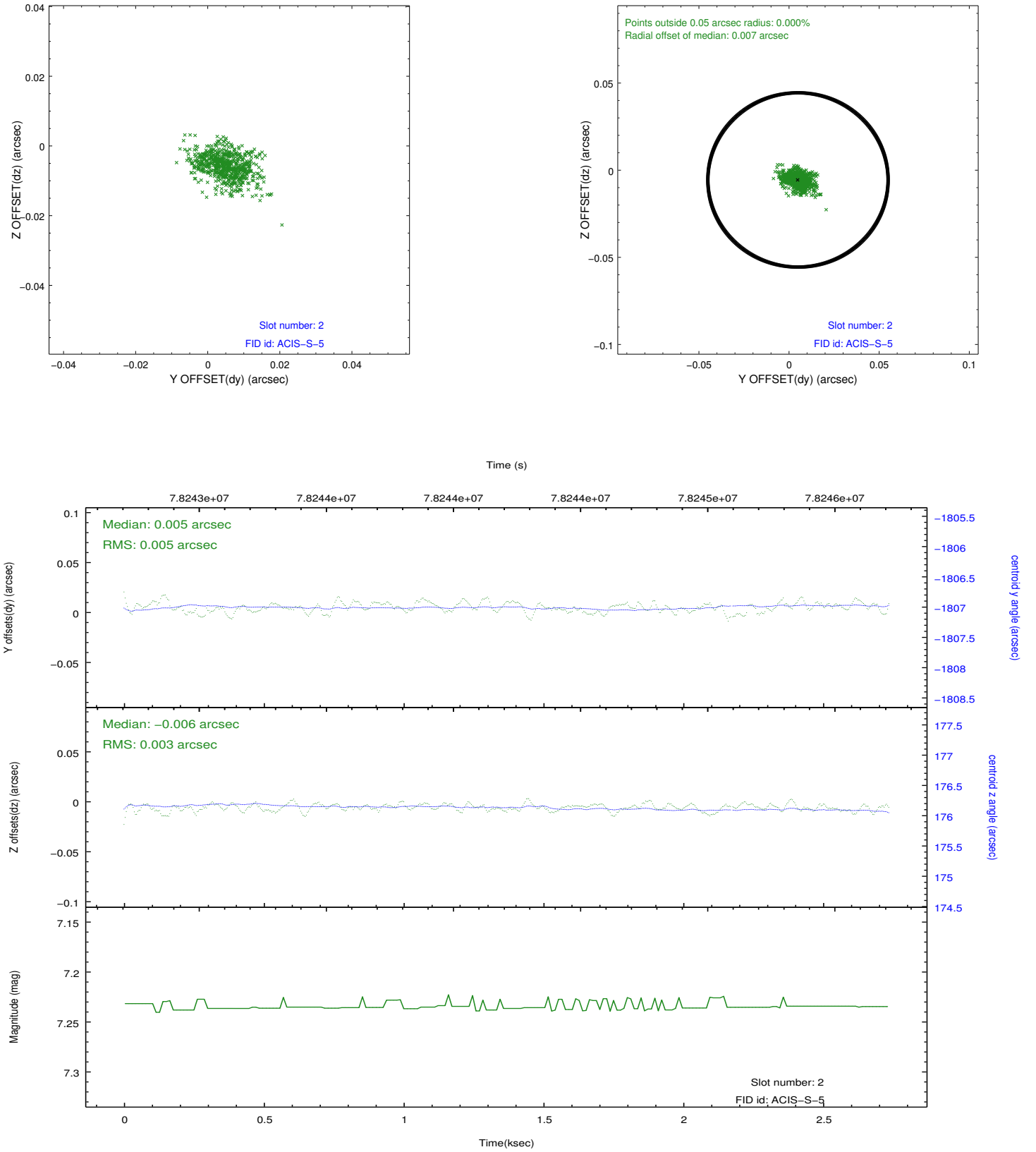
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.432

A.2 Comments