

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13011 - L2 Version 2
Chandra X-Ray Center

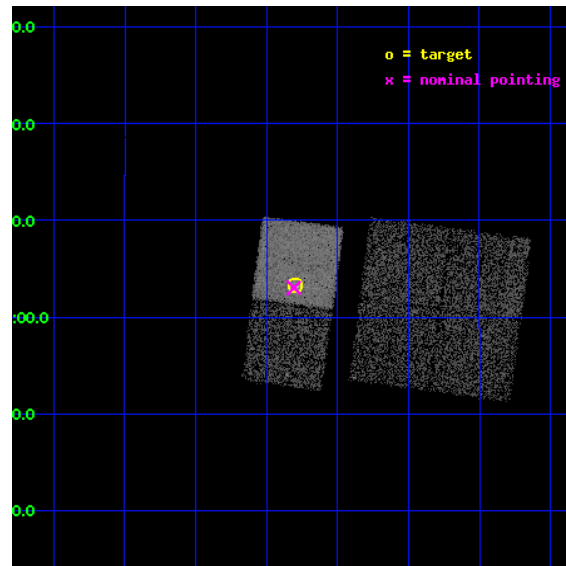
L2 Processing Date : Jul 5 2012

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1 Front

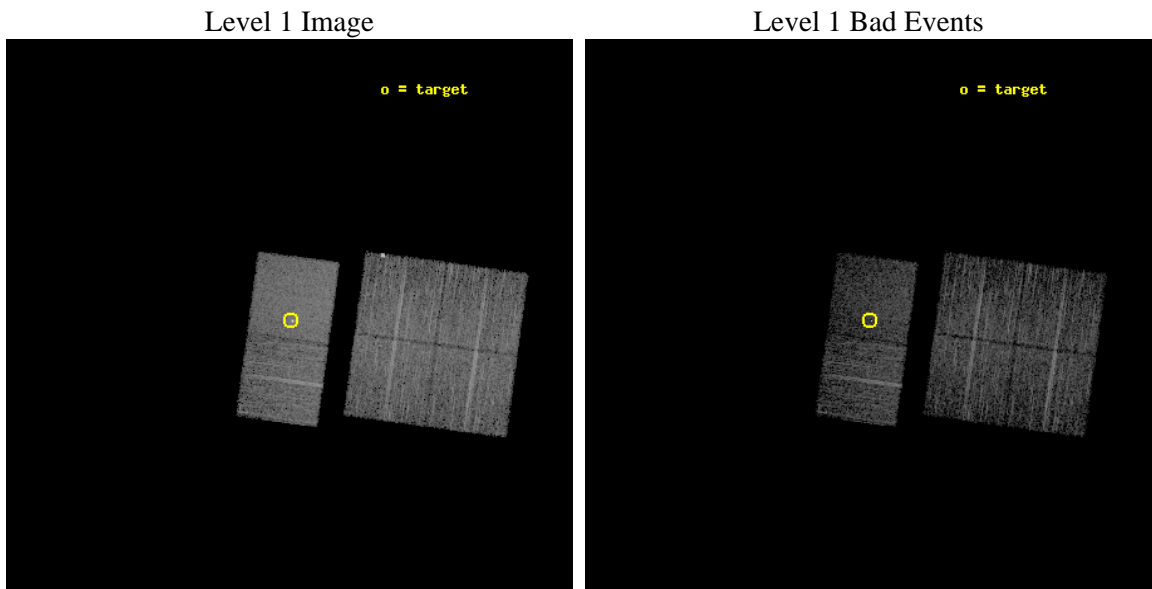
seq_num	600975	Sequence number
obs_id	13011	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J224017.7+080316	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	340.07375	Observer's specified target RA [deg]
dec_targ	8.054444	Observer's specified target Dec [deg]
ra_nom	340.076822272	Nominal RA [deg]
dec_nom	8.0506933968354	Nominal Dec [deg]
roll_nom	277.73861054686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4956.7999815941	Sum of GTIs [s]
livetime	4894.0339956005	Livetime [s]
ontime0	4956.7999815941	Sum of GTIs [s]
ontime1	4956.7999815941	Sum of GTIs [s]
ontime2	4956.7999815941	Sum of GTIs [s]
ontime3	4956.7999815941	Sum of GTIs [s]
ontime6	4956.7999815941	Sum of GTIs [s]
ontime7	4956.7999815941	Sum of GTIs [s]
l2events	37901	Number of level 2 events



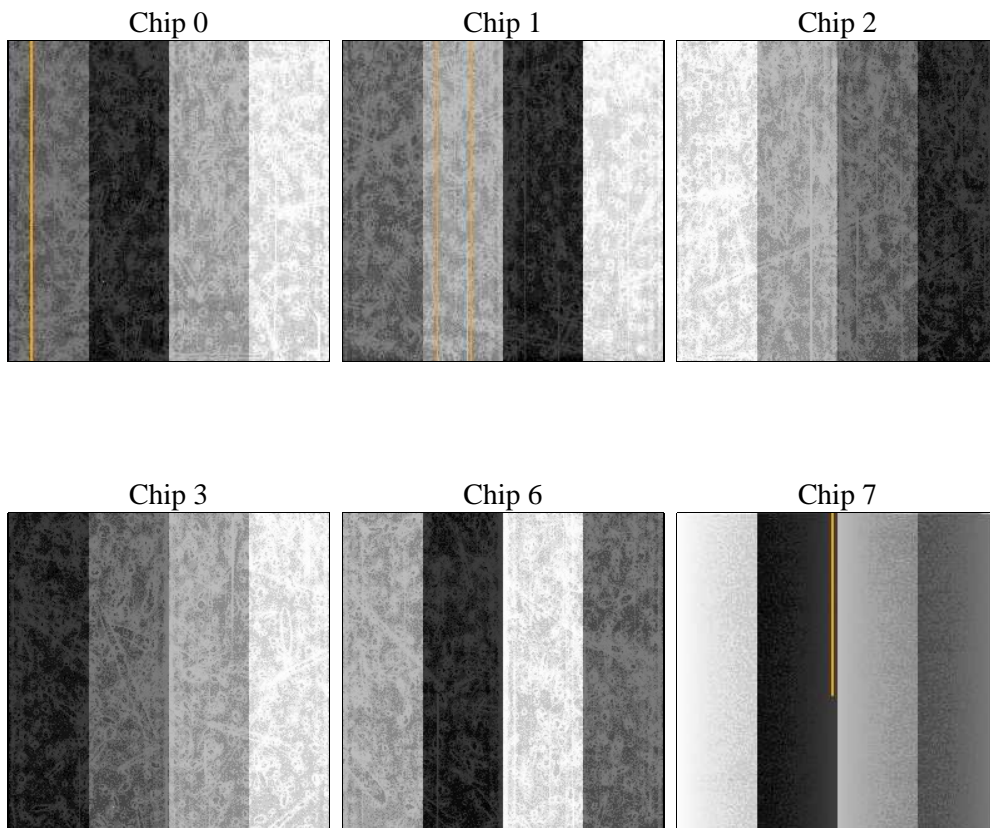
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4956.7999815941	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	4956.7999815941	Sum of GTIs [s]
date	2012-07-05T07:08:49	Date and time of file creation	ontime1	4956.7999815941	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4956.7999815941	Sum of GTIs [s]
			ontime3	4956.7999815941	Sum of GTIs [s]
			ontime6	4956.7999815941	Sum of GTIs [s]
			ontime7	4956.7999815941	Sum of GTIs [s]
			l1events	228320	Number of level 1 events

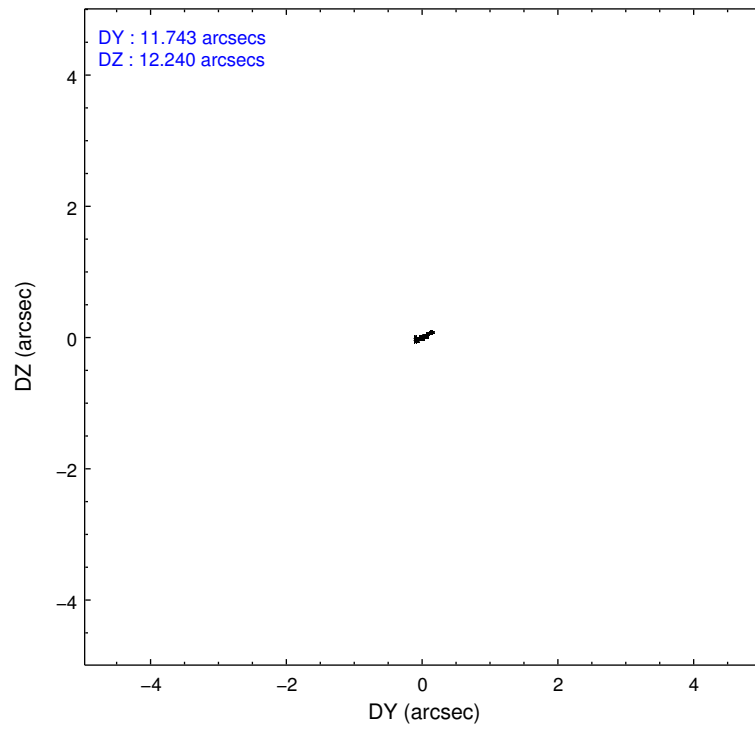
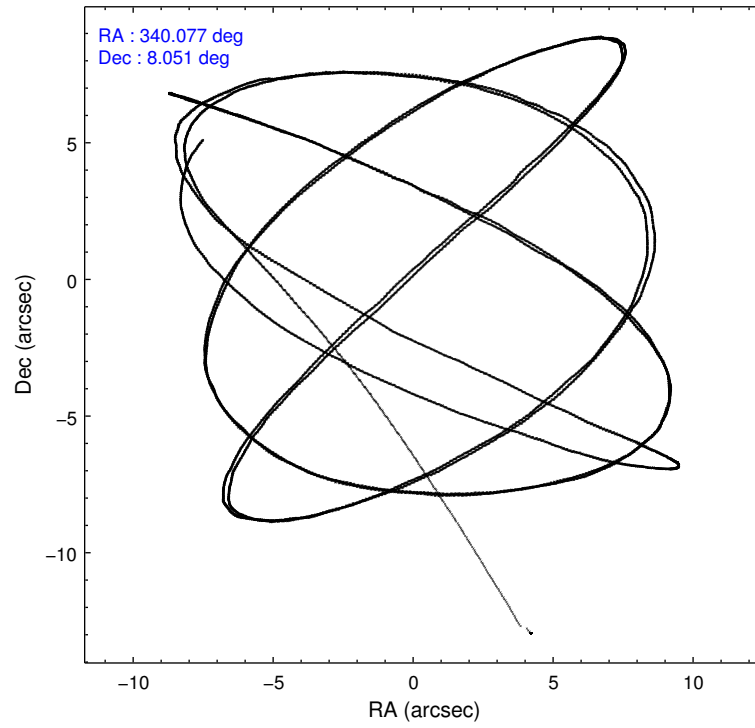
2.1.4 Events

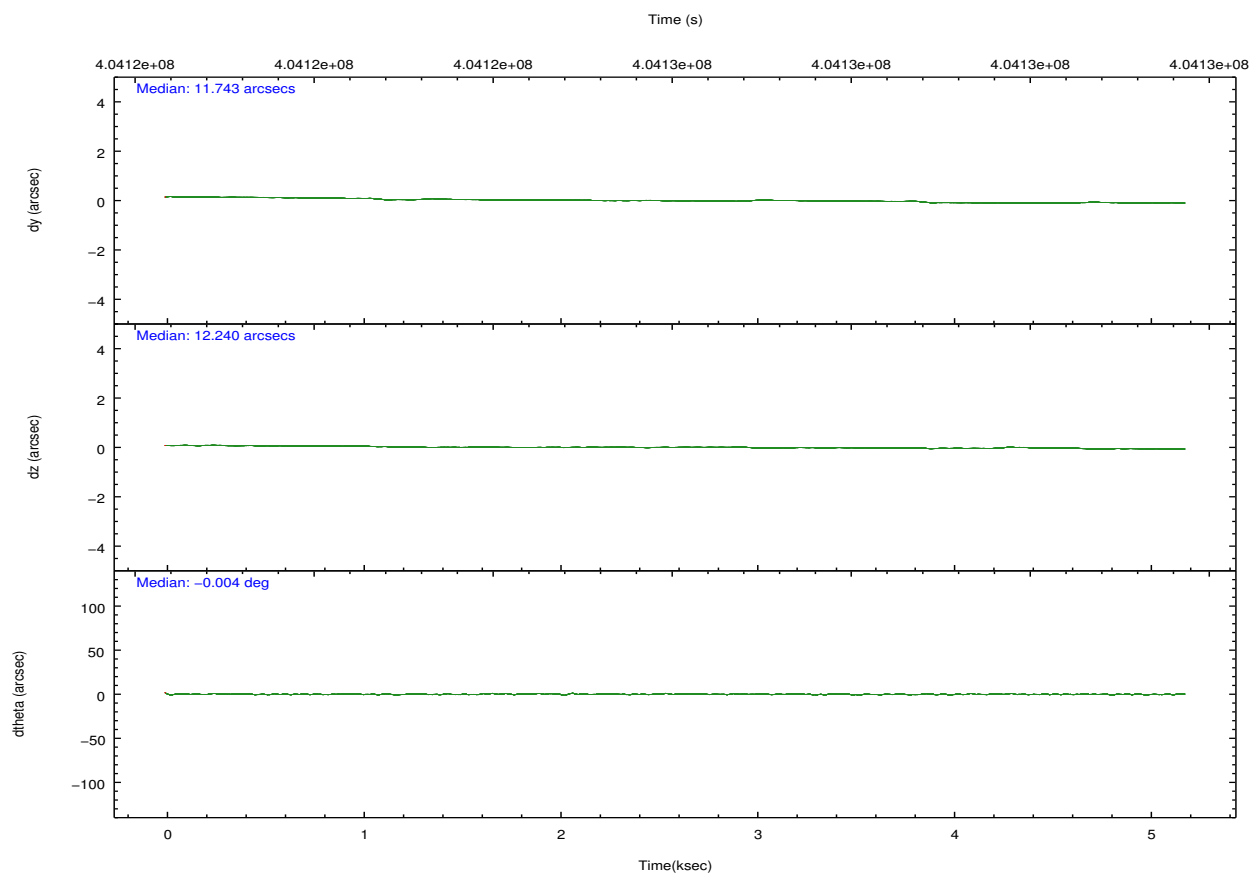
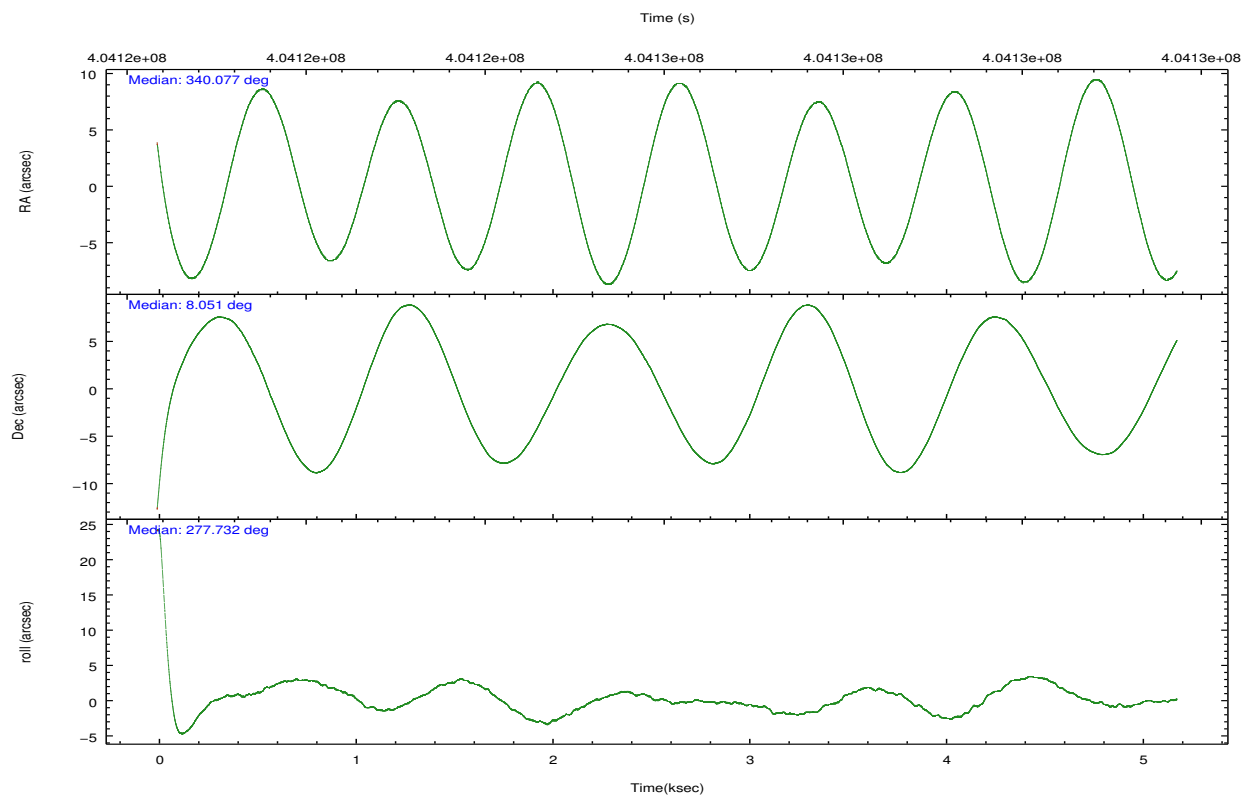
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	35208	35148	35465	38053	36977	47469	grade 0 events	1350	1572	1322	2830	1462	2138
rejected events	31183	30846	31826	32724	32855	25784		3%	4%	3%	7%	3%	4%
rejected %	88%	87%	89%	85%	88%	54%	grade 1 events	18	12	18	27	23	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	993	985	790	837	904	4447
								2%	2%	2%	2%	2%	9%
							grade 3 events	473	406	406	422	450	1902
								1%	1%	1%	1%	1%	4%
							grade 4 events	376	439	373	428	401	1986
								1%	1%	1%	1%	1%	4%
							grade 5 events	1564	1546	1371	1658	1617	4689
								4%	4%	3%	4%	4%	9%
							grade 6 events	835	902	748	814	911	11230
								2%	2%	2%	2%	2%	23%
							grade 7 events	29599	29286	30437	31037	31209	20996
								84%	83%	85%	81%	84%	44%

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	340.059662	340.076822271998	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.072086	8.050693396835417	Alternating exposures requested	N	N
[deg] Pointing Roll	277.584299	277.7386105468571	[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)	404123596.184000	404122500.09541			
Observation start date	2010-10-22T08:32:10	2010-10-22T08:15:00			
[s] Observation end time (MET)	404128596.184000	404129290.20826			
Observation end date	2010-10-22T09:55:30	2010-10-22T10:08:10			
Read mode	TIMED	TIMED			

2.3 Aspect



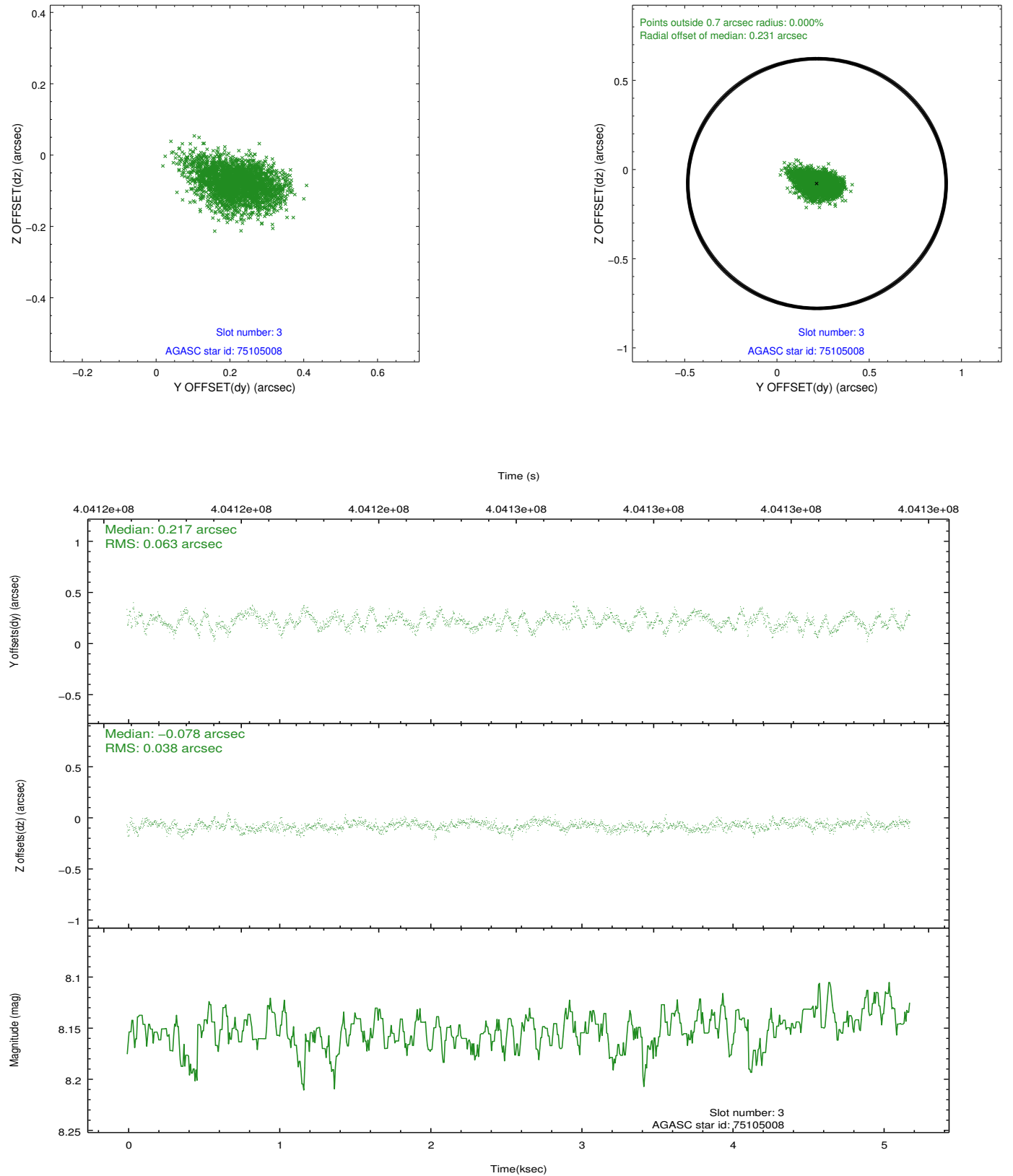


Slot Statistics

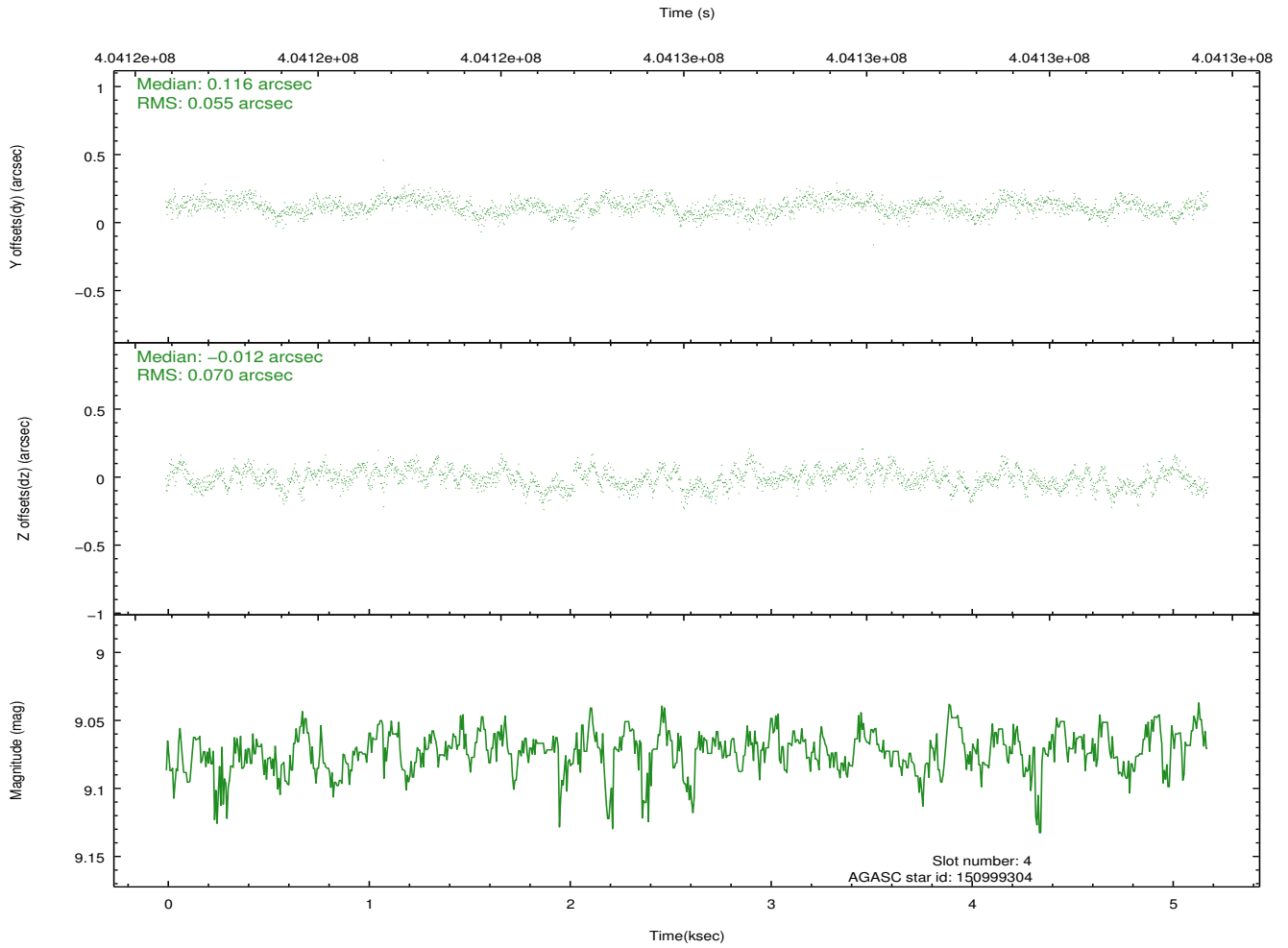
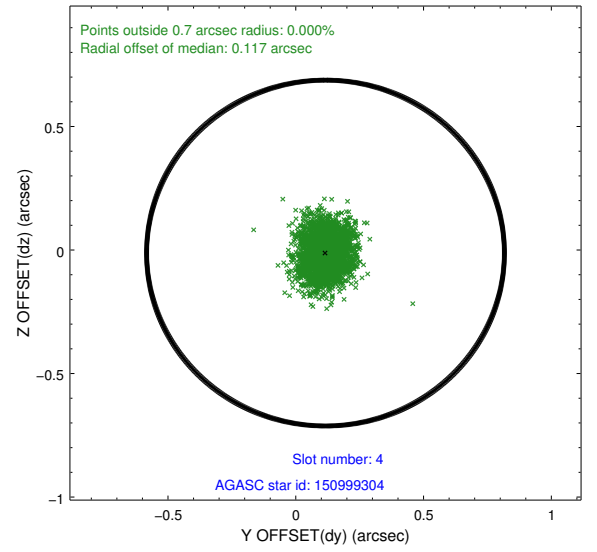
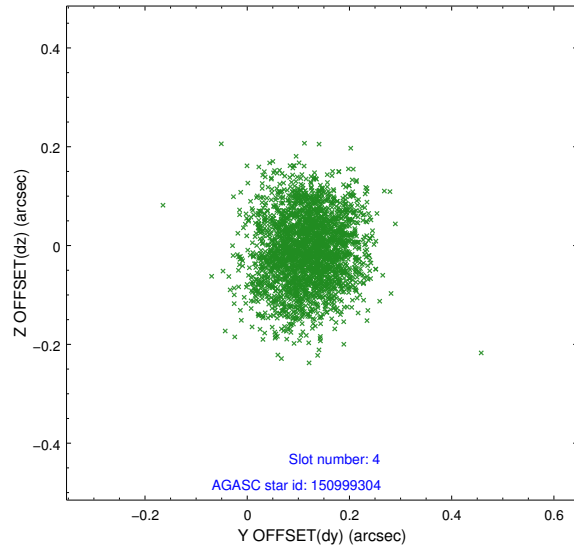
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.99	1265	-0.031	-0.028	0.007	0.011	0.000000	0.000000	-764.67	-1733.57
1	FID	ACIS-S-4	7.07	1265	0.127	0.023	0.006	0.011	0.000000	0.000000	2148.24	173.74
2	FID	ACIS-S-5	7.11	1264	-0.127	0.015	0.008	0.013	0.000000	0.000000	-1816.10	168.75
3	GUIDE	75105008	8.15	2529	0.217	-0.078	0.077	0.130	339.589791	7.447374	2007.85	-1959.21
4	GUIDE	150999304	9.07	2528	0.116	-0.012	0.096	0.152	340.735837	7.774241	1380.40	2249.56
5	GUIDE	151005048	7.61	2529	-0.154	0.027	0.075	0.116	340.542126	8.074751	217.15	1707.06
6	GUIDE	151006496	8.21	2527	-0.053	-0.025	0.068	0.106	339.724627	8.374184	-1235.48	-1035.67
7	GUIDE	151006616	8.47	2528	-0.126	0.094	0.071	0.117	339.750397	8.388143	-1273.87	-941.80

2.4 Star Slots

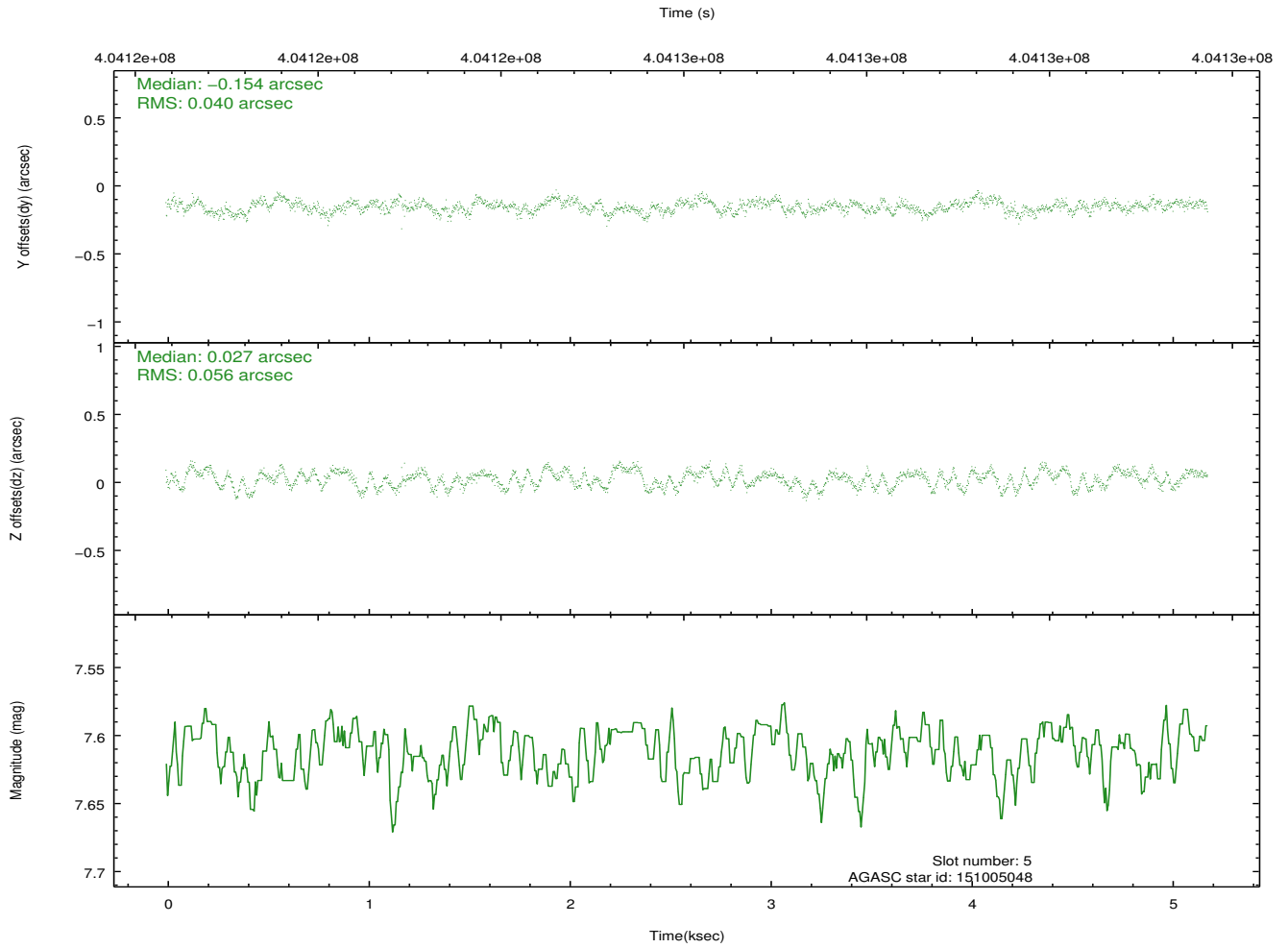
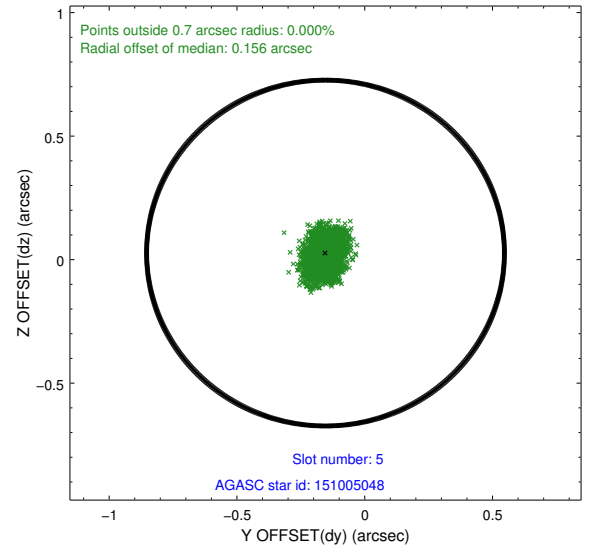
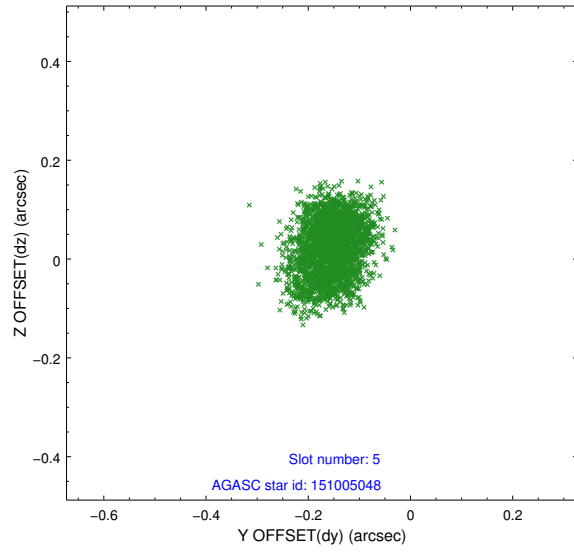
2.4.1 Slot 3



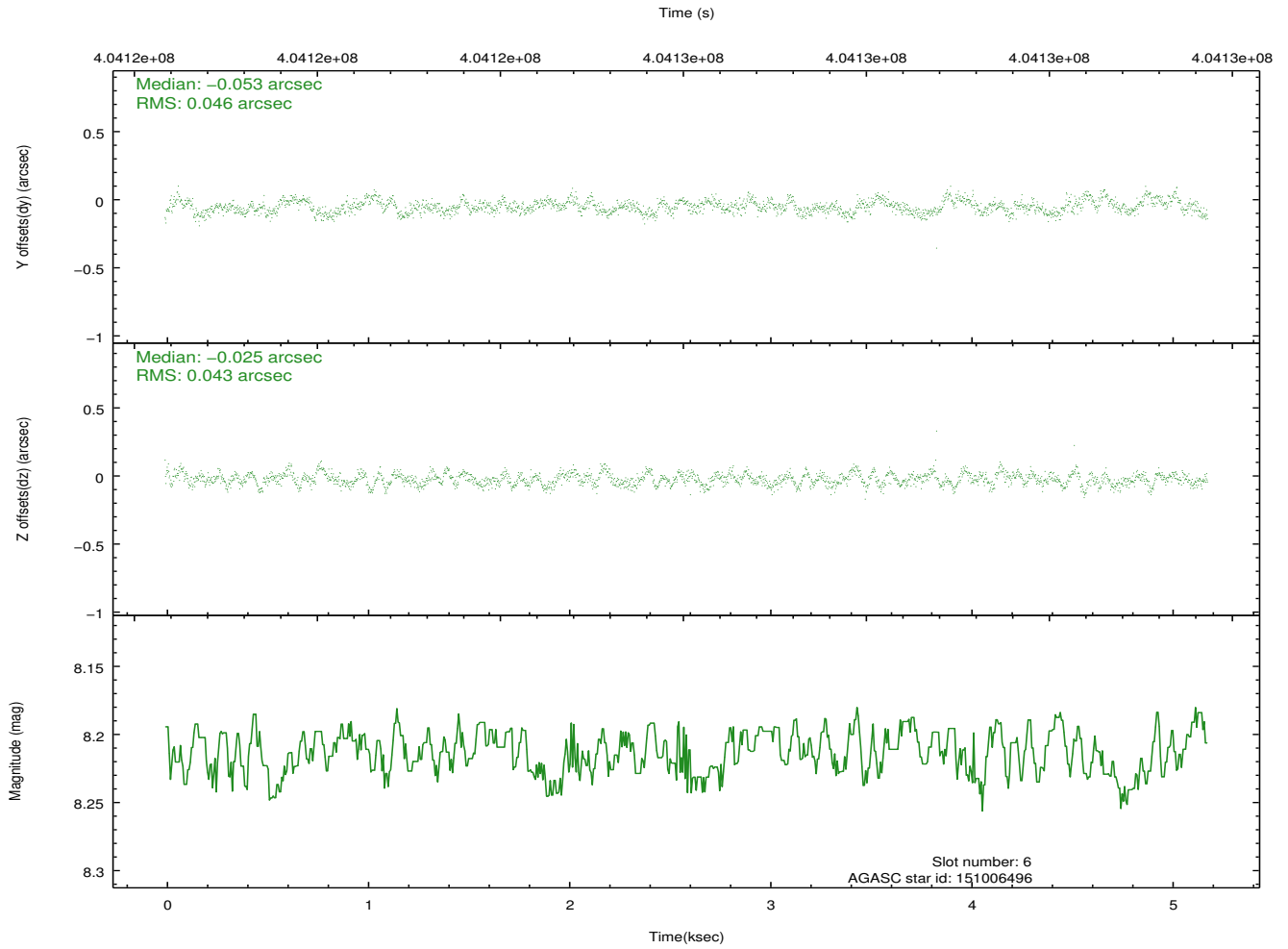
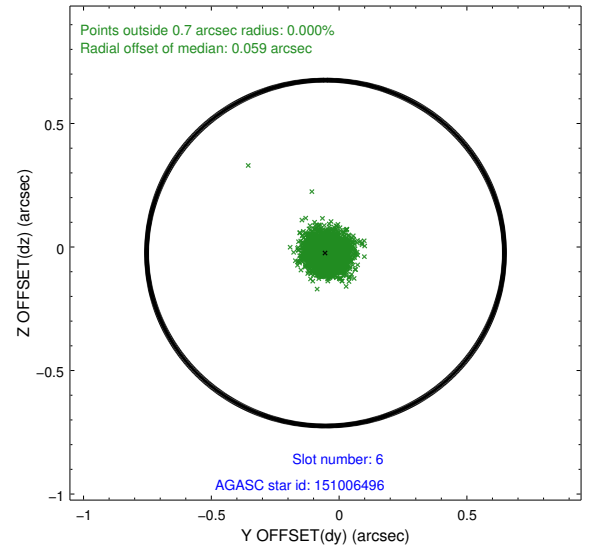
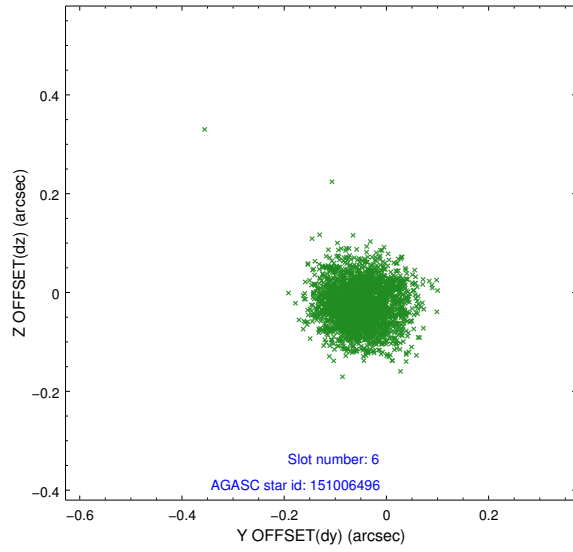
2.4.2 Slot 4



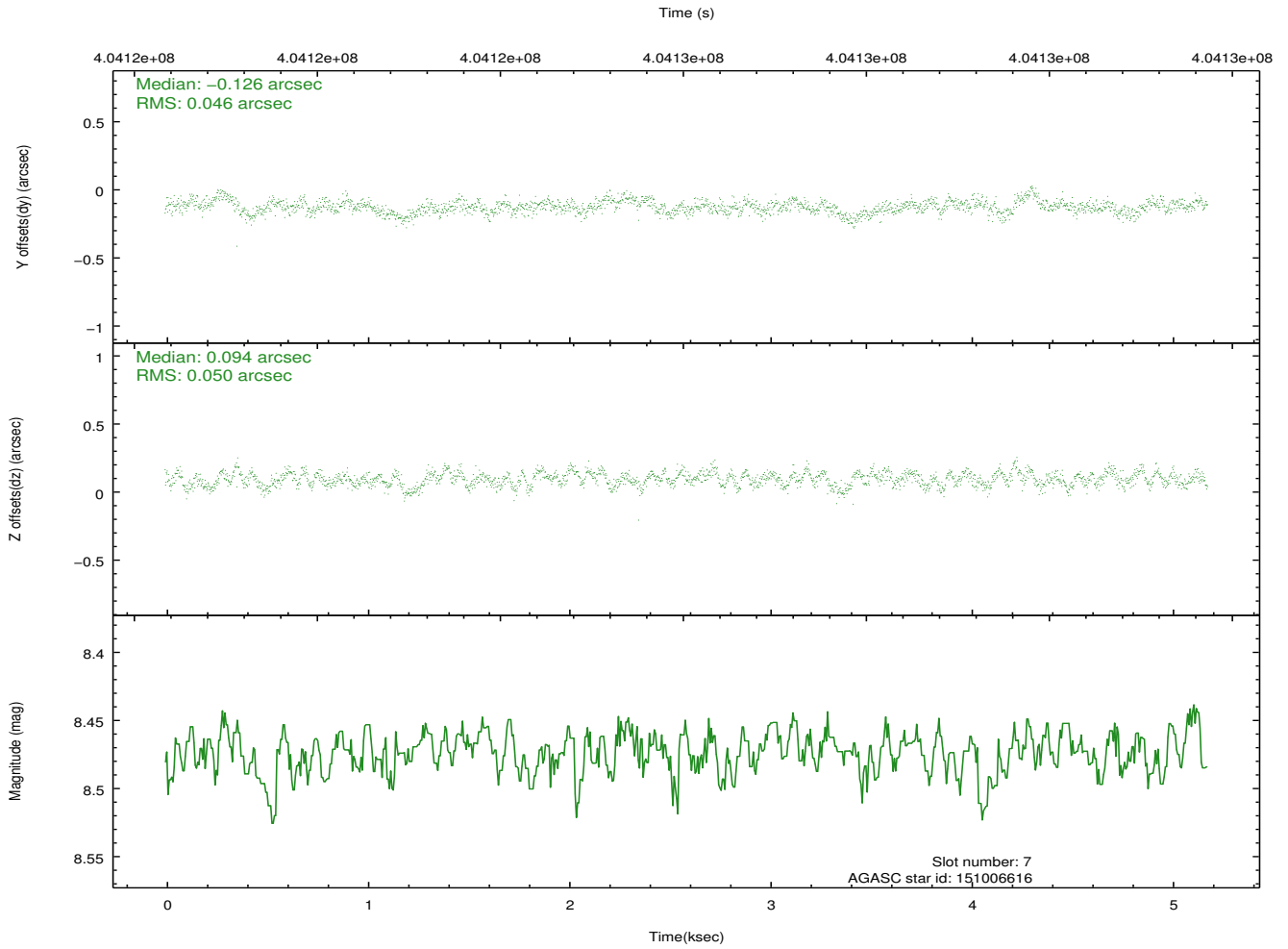
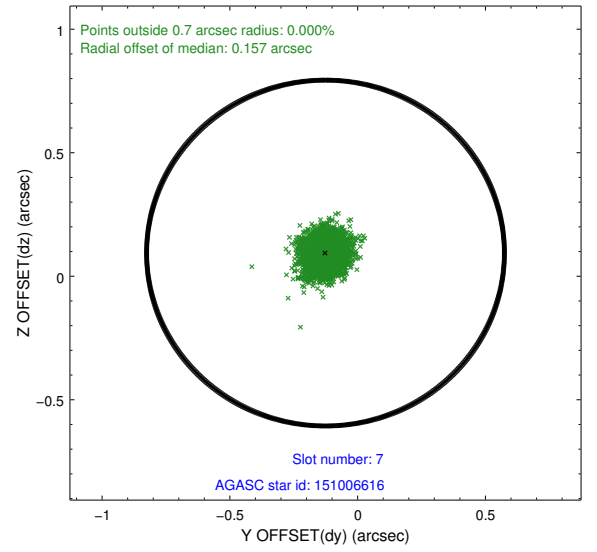
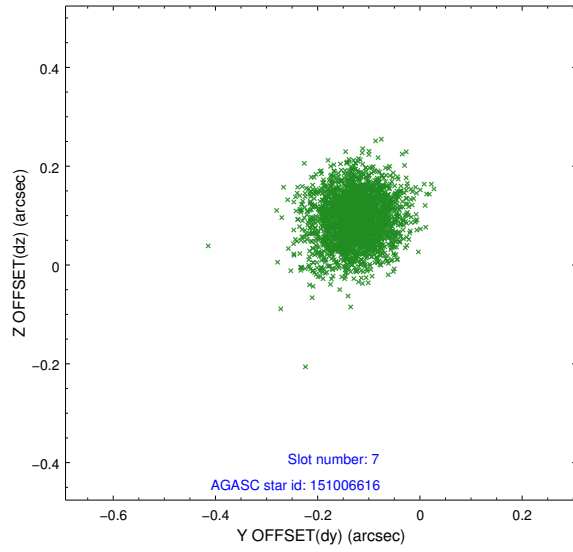
2.4.3 Slot 5



2.4.4 Slot 6

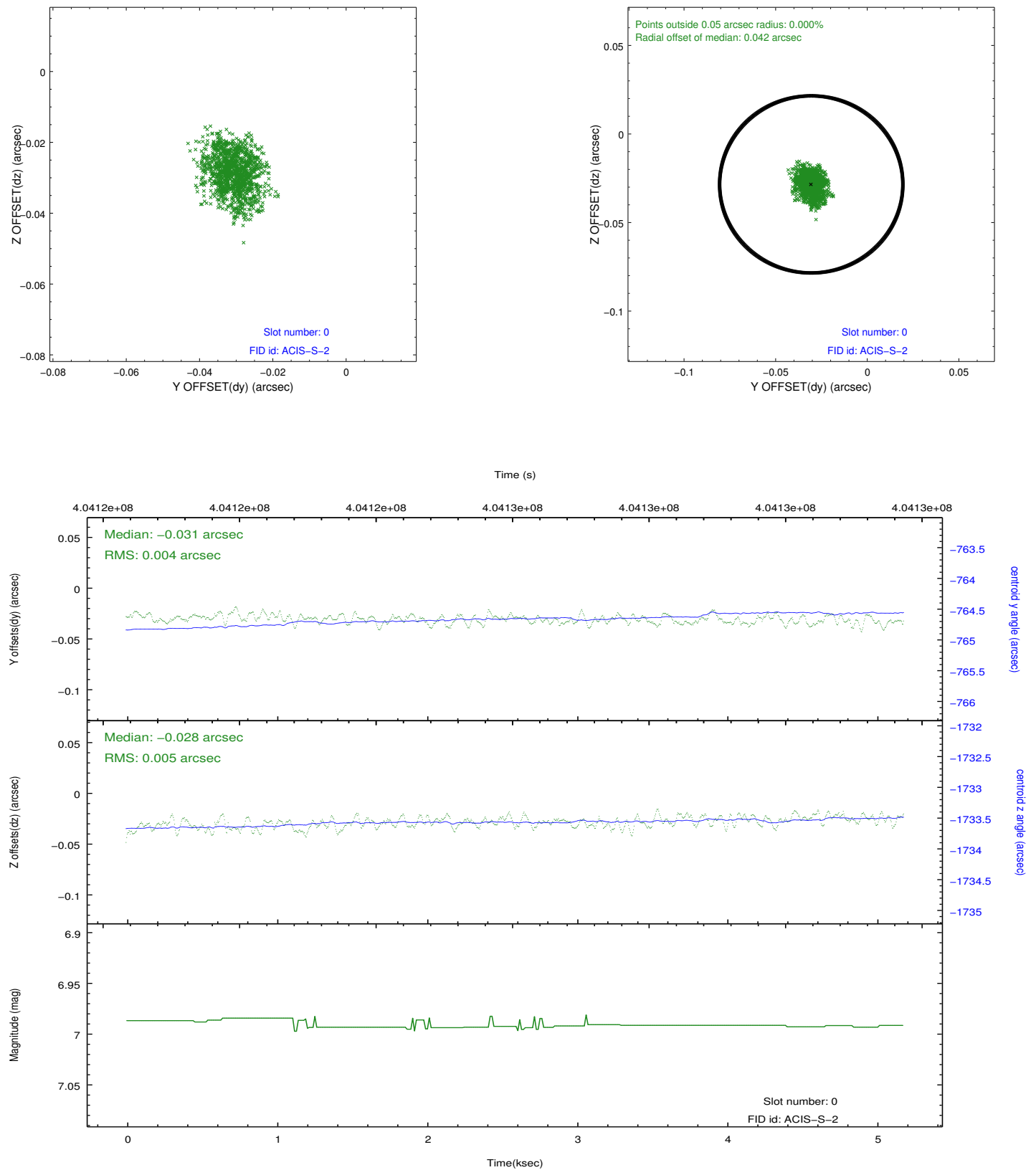


2.4.5 Slot 7

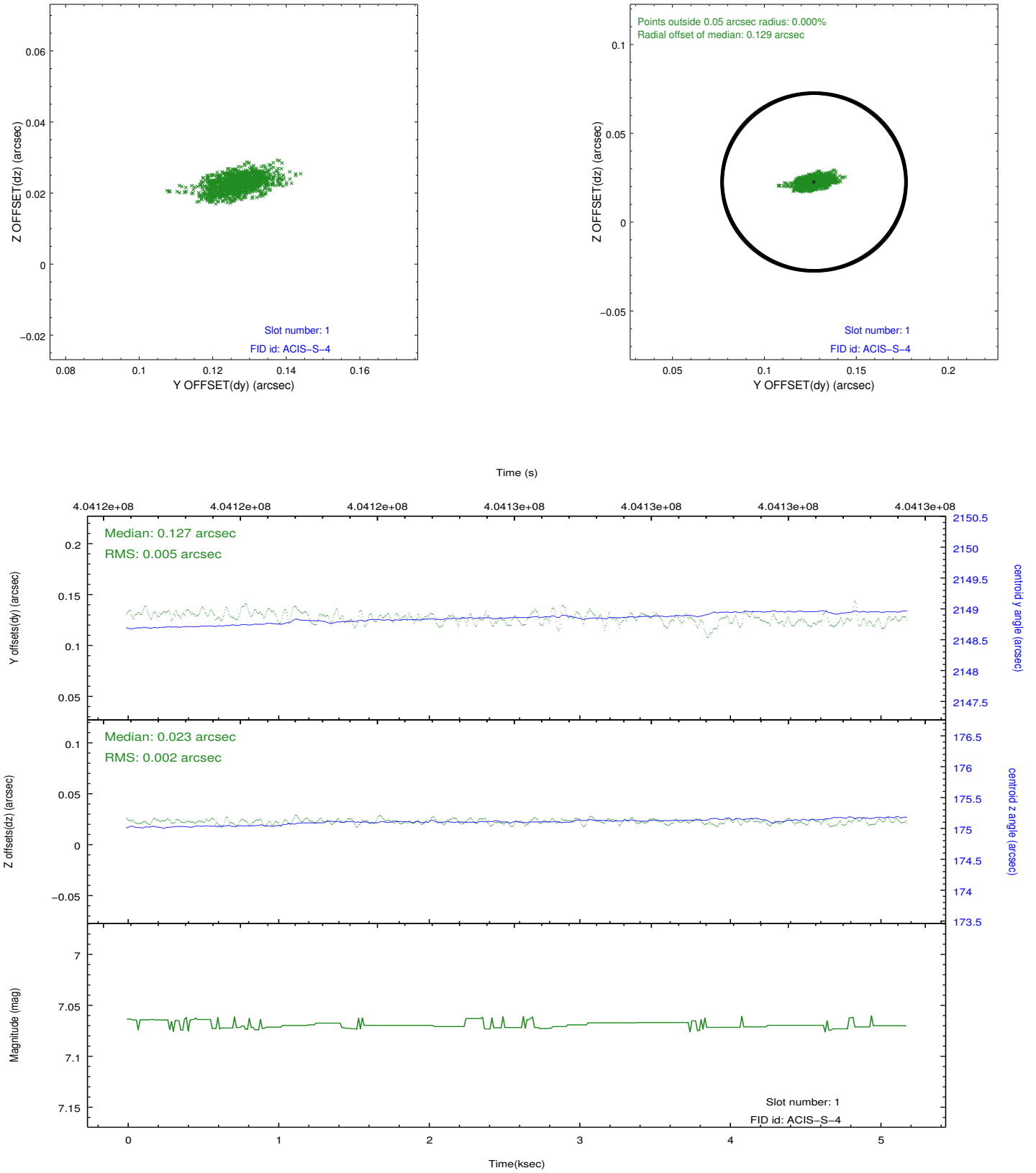


2.5 FID Slots

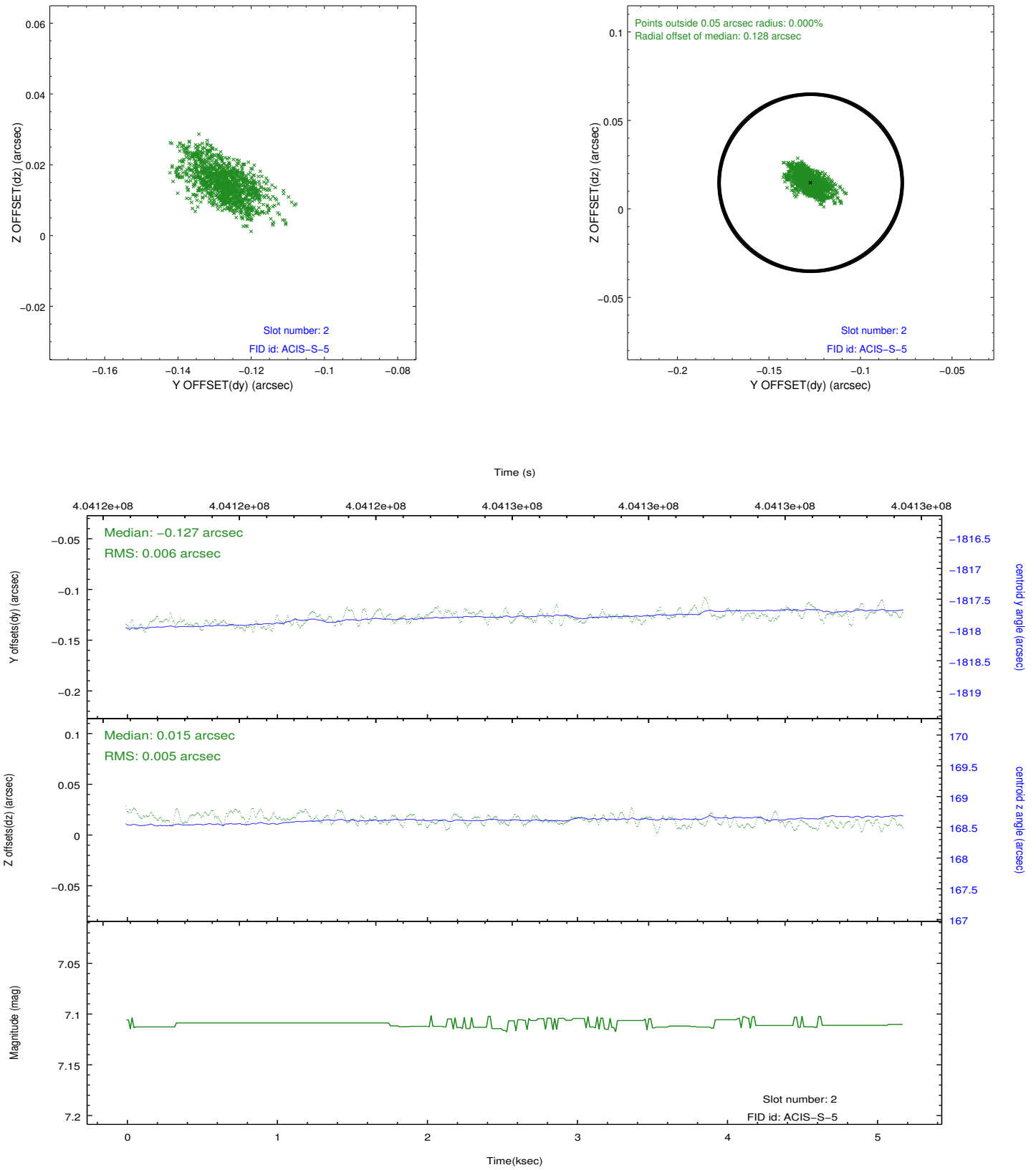
2.5.1 Slot 0



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	4.9567999815941

A.2 Comments