

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7106 - L2 Version 2
Chandra X-Ray Center

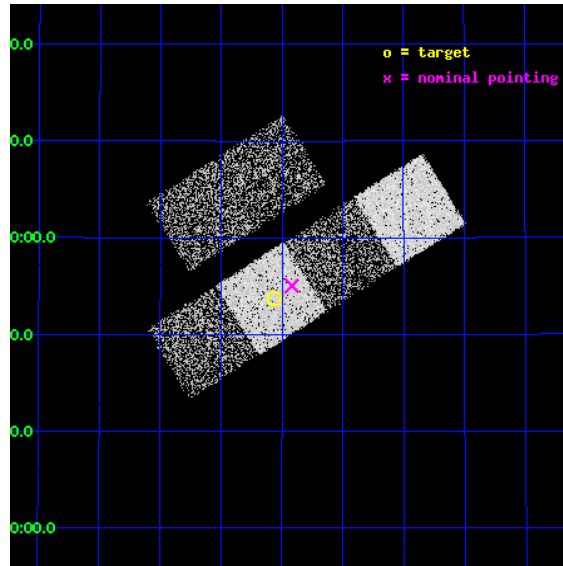
L2 Processing Date : Mar 27 2012

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1 Front

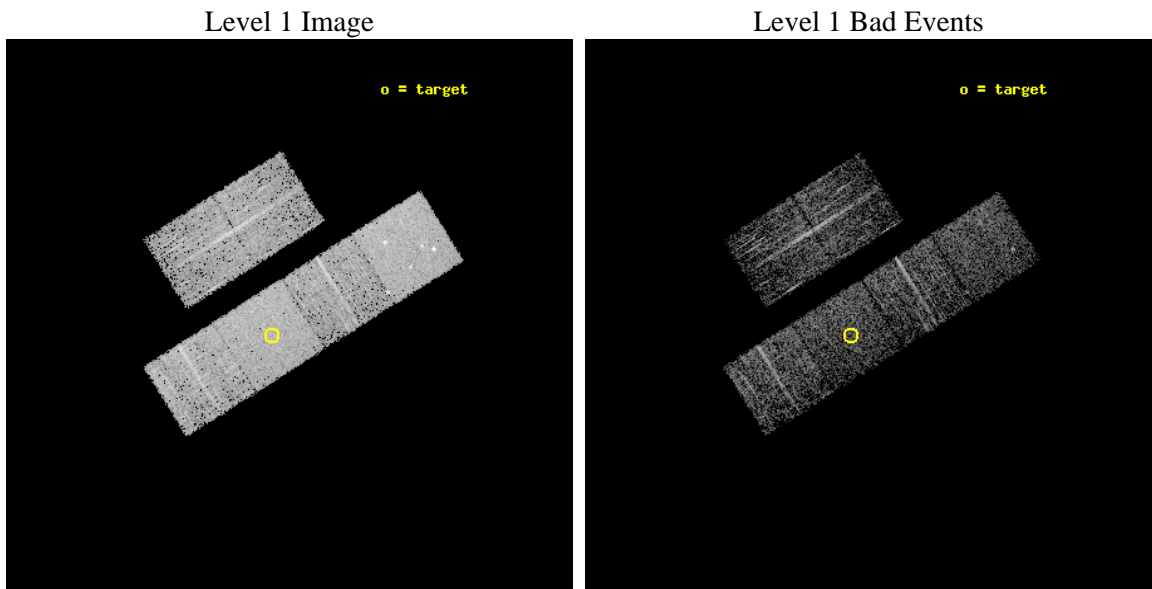
seq_num	600544	Sequence number
obs_id	7106	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4062	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.015833	Observer's specified target RA [deg]
dec_targ	31.895806	Observer's specified target Dec [deg]
ra_nom	180.97954271749	Nominal RA [deg]
dec_nom	31.917424294278	Nominal Dec [deg]
roll_nom	147.76888694988	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2211.1390616894	Sum of GTIs [s]
livetime	2183.1402875022	Livetime [s]
ontime2	2211.1801016927	Sum of GTIs [s]
ontime3	2211.0159416795	Sum of GTIs [s]
ontime5	2211.0980216861	Sum of GTIs [s]
ontime6	2211.0569816828	Sum of GTIs [s]
ontime7	2211.1390616894	Sum of GTIs [s]
ontime8	2210.974901706	Sum of GTIs [s]
l2events	32800	Number of level 2 events



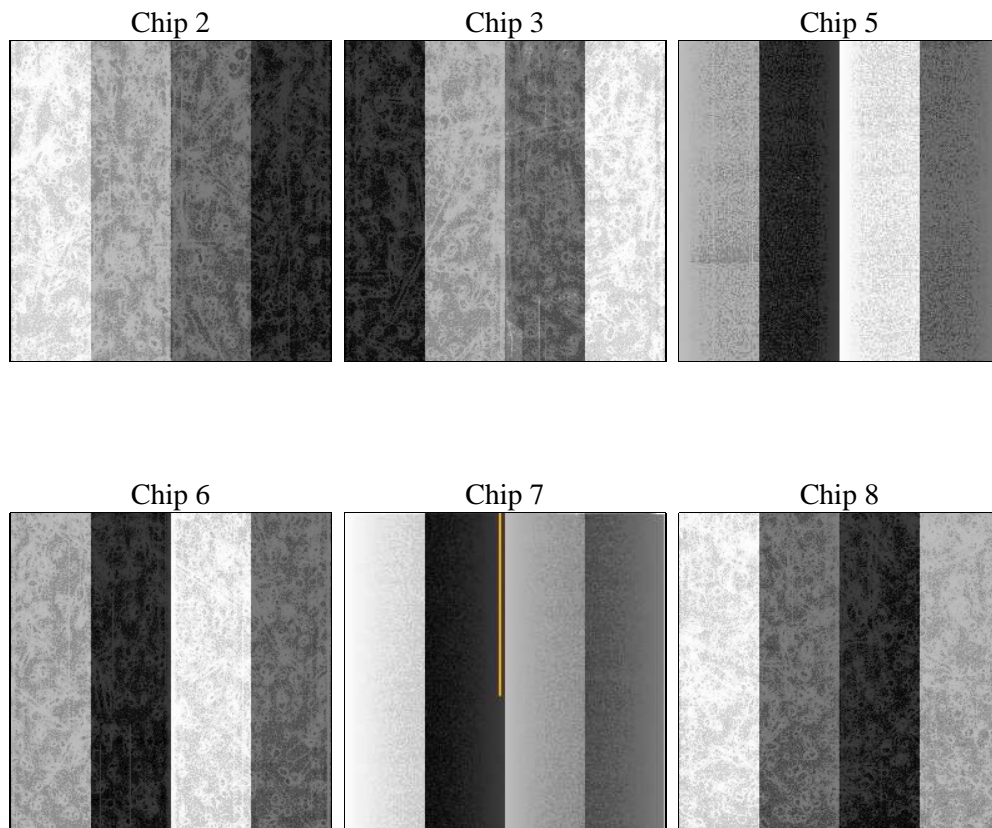
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2260.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2211.1390616894	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	2211.1801016927	Sum of GTIs [s]
date	2012-03-27T03:27:23	Date and time of file creation	ontime3	2211.0159416795	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2211.0980216861	Sum of GTIs [s]
			ontime6	2211.0569816828	Sum of GTIs [s]
			ontime7	2211.1390616894	Sum of GTIs [s]
			ontime8	2210.974901706	Sum of GTIs [s]
			l1events	139536	Number of level 1 events

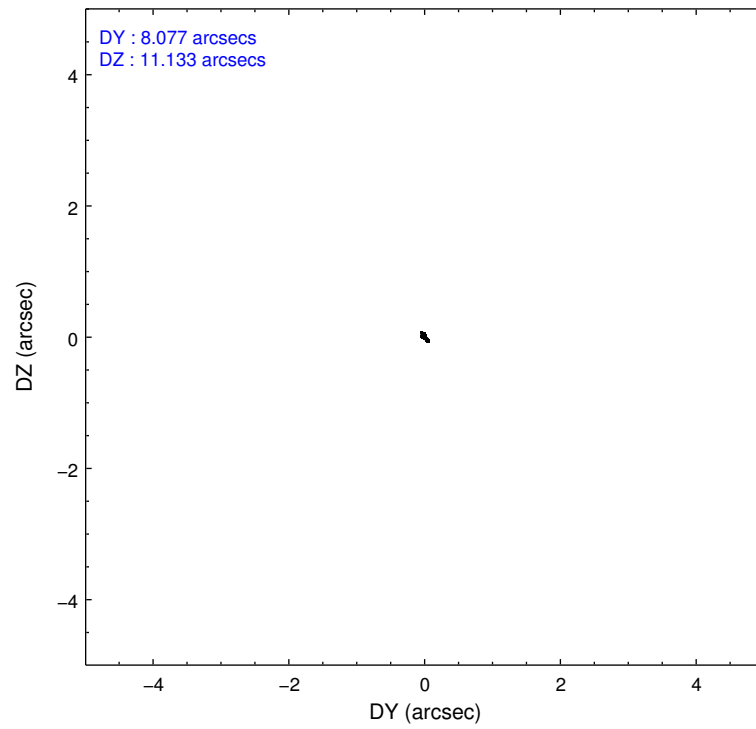
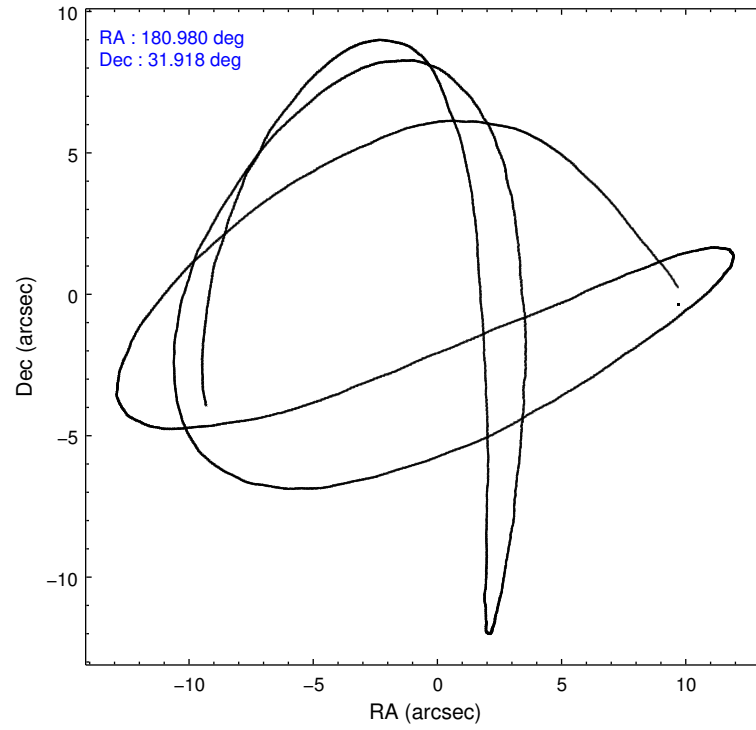
2.1.4 Events

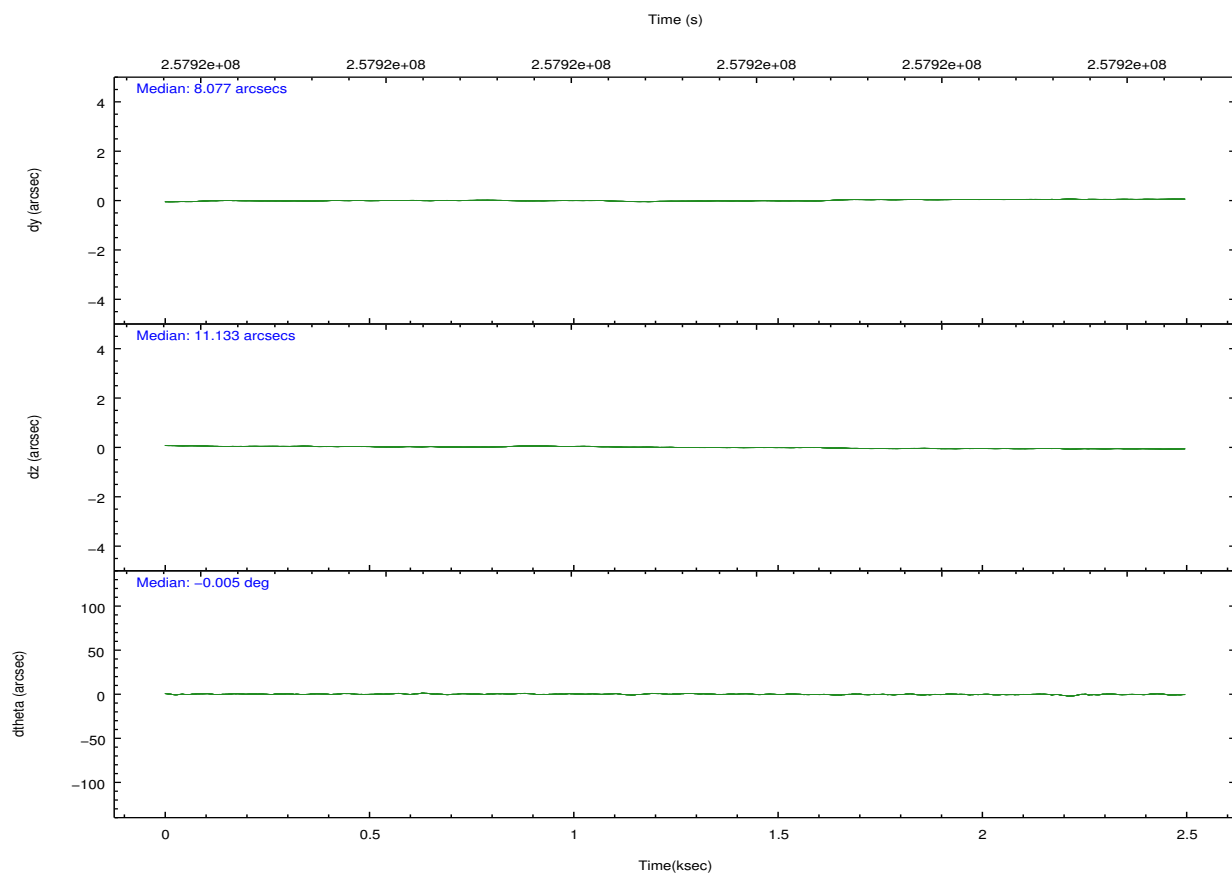
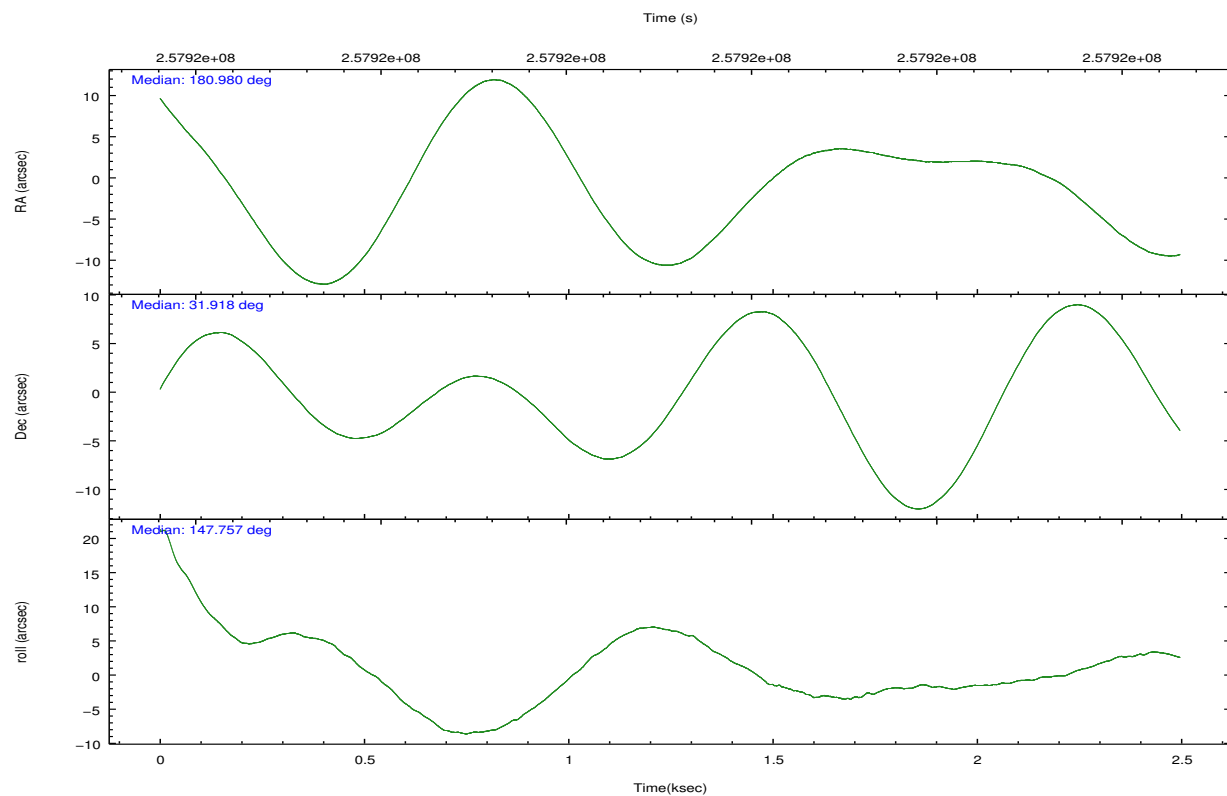
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19271	18982	30244	20247	26918	23874	grade 0 events	1149	1169	2013	1108	1005	1748
rejected events	16789	16506	15736	17702	15576	18516		5%	6%	6%	5%	3%	7%
rejected %	87%	86%	52%	87%	57%	77%	grade 1 events	17	19	149	13	32	13
								0%	0%	0%	0%	0%	0%
							grade 2 events	501	441	4129	519	2240	1211
								2%	2%	13%	2%	8%	5%
							grade 3 events	226	222	563	249	1032	514
								1%	1%	1%	1%	3%	2%
							grade 4 events	245	232	554	201	995	494
								1%	1%	1%	0%	3%	2%
							grade 5 events	735	885	2077	911	2469	1138
								3%	4%	6%	4%	9%	4%
							grade 6 events	369	415	7282	474	6098	1402
								1%	2%	24%	2%	22%	5%
							grade 7 events	16029	15599	13477	16772	13047	17354
								83%	82%	44%	82%	48%	72%

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	181.011796	180.9795427174939	Subarray requested	NONE	NONE
[deg] Pointing Dec	31.916536	31.9174242942778	Alternating exposures requested	N	N
[deg] Pointing Roll	147.595138	147.7688869498826	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	257920268.184000	257919280.65674			
Observation start date	2006-03-05T04:30:03	2006-03-05T04:14:40			
[s] Observation end time (MET)	257922528.184000	257922966.04441			
Observation end date	2006-03-05T05:07:43	2006-03-05T05:16:06			
Read mode	TIMED	TIMED			

2.3 Aspect



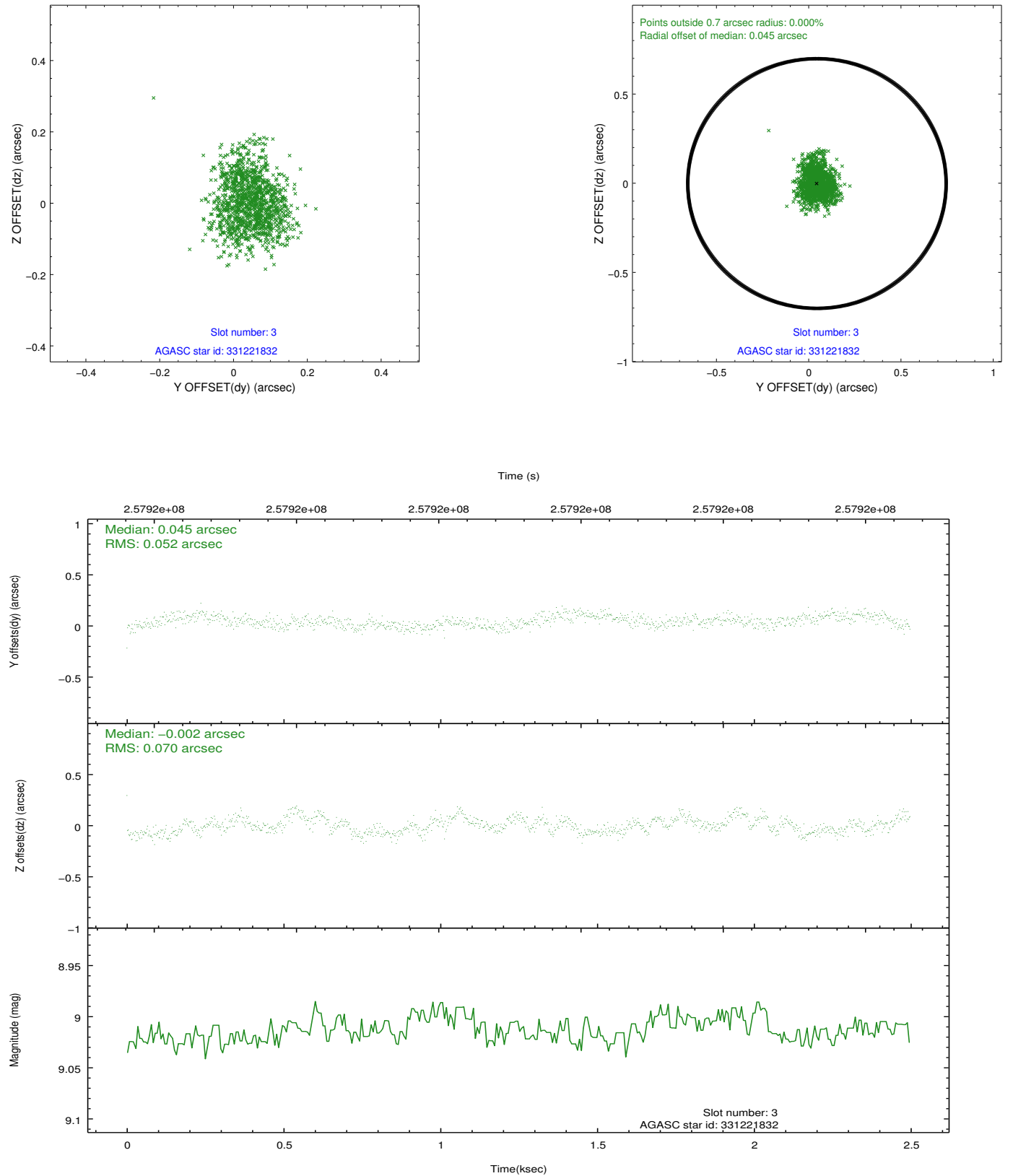


Slot Statistics

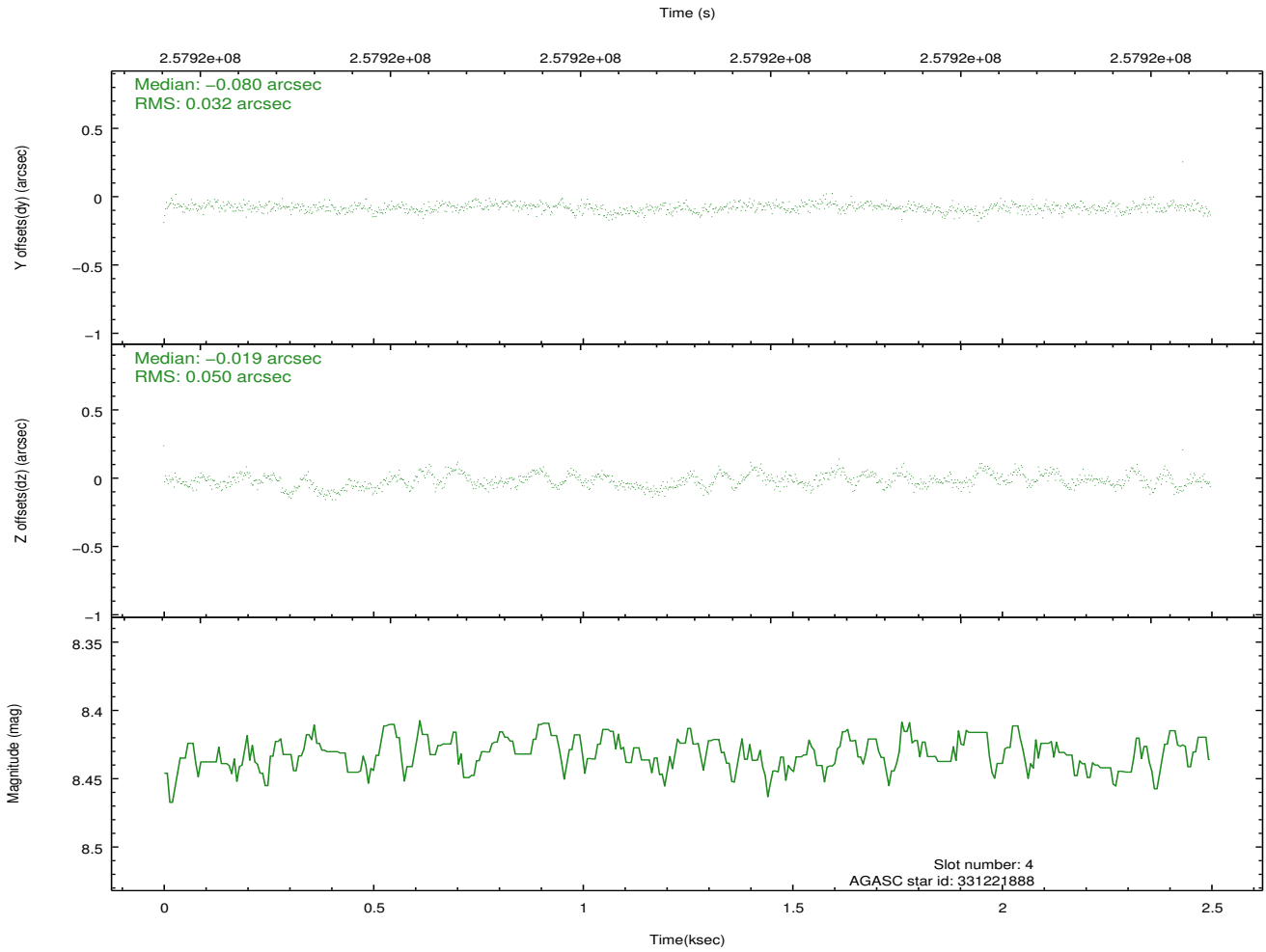
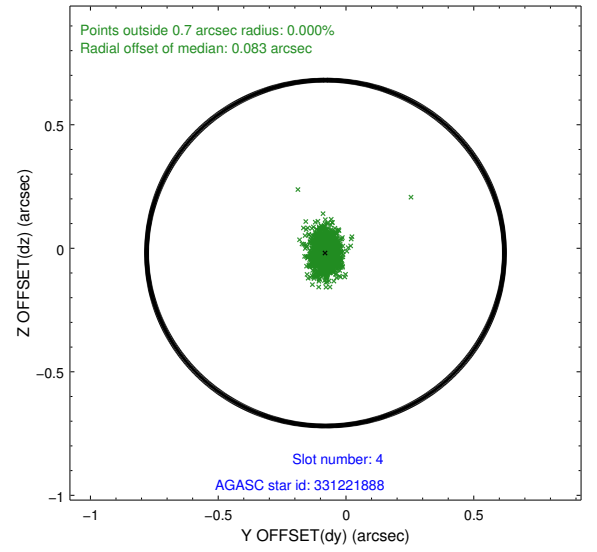
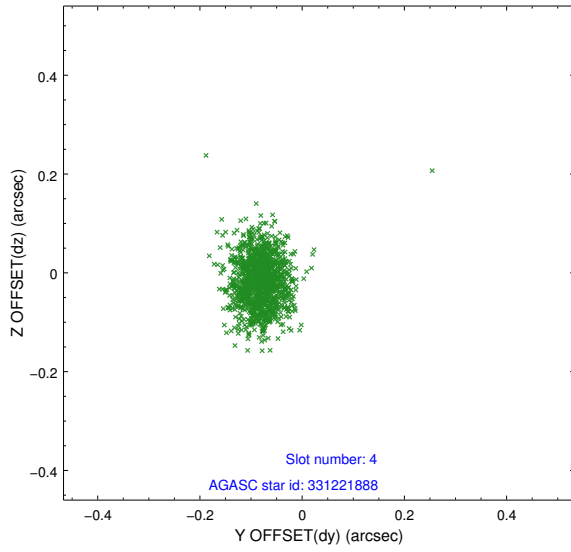
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	609	0.025	-0.085	0.007	0.012	0.000000	0.000000	935.19	-1728.07
1	FID	ACIS-S-4	7.21	609	0.093	0.051	0.006	0.010	0.000000	0.000000	2154.11	173.55
2	FID	ACIS-S-5	7.24	609	-0.145	0.046	0.006	0.011	0.000000	0.000000	-1810.52	170.07
3	GUIDE	331221832	9.01	1218	0.045	-0.002	0.093	0.150	181.415383	31.986371	-904.40	-873.38
4	GUIDE	331221888	8.43	1219	-0.080	-0.019	0.060	0.103	181.907421	32.028215	-2087.64	-1814.32
5	GUIDE	331222728	9.27	1219	0.161	0.083	0.083	0.136	181.767050	32.020248	-1743.87	-1558.24
6	GUIDE	331222872	8.13	1219	-0.029	-0.007	0.059	0.100	181.344846	31.210318	-2229.93	1594.89
7	GUIDE	331223944	8.87	1217	-0.102	-0.053	0.078	0.120	181.525325	32.146661	-878.09	-1539.40

2.4 Star Slots

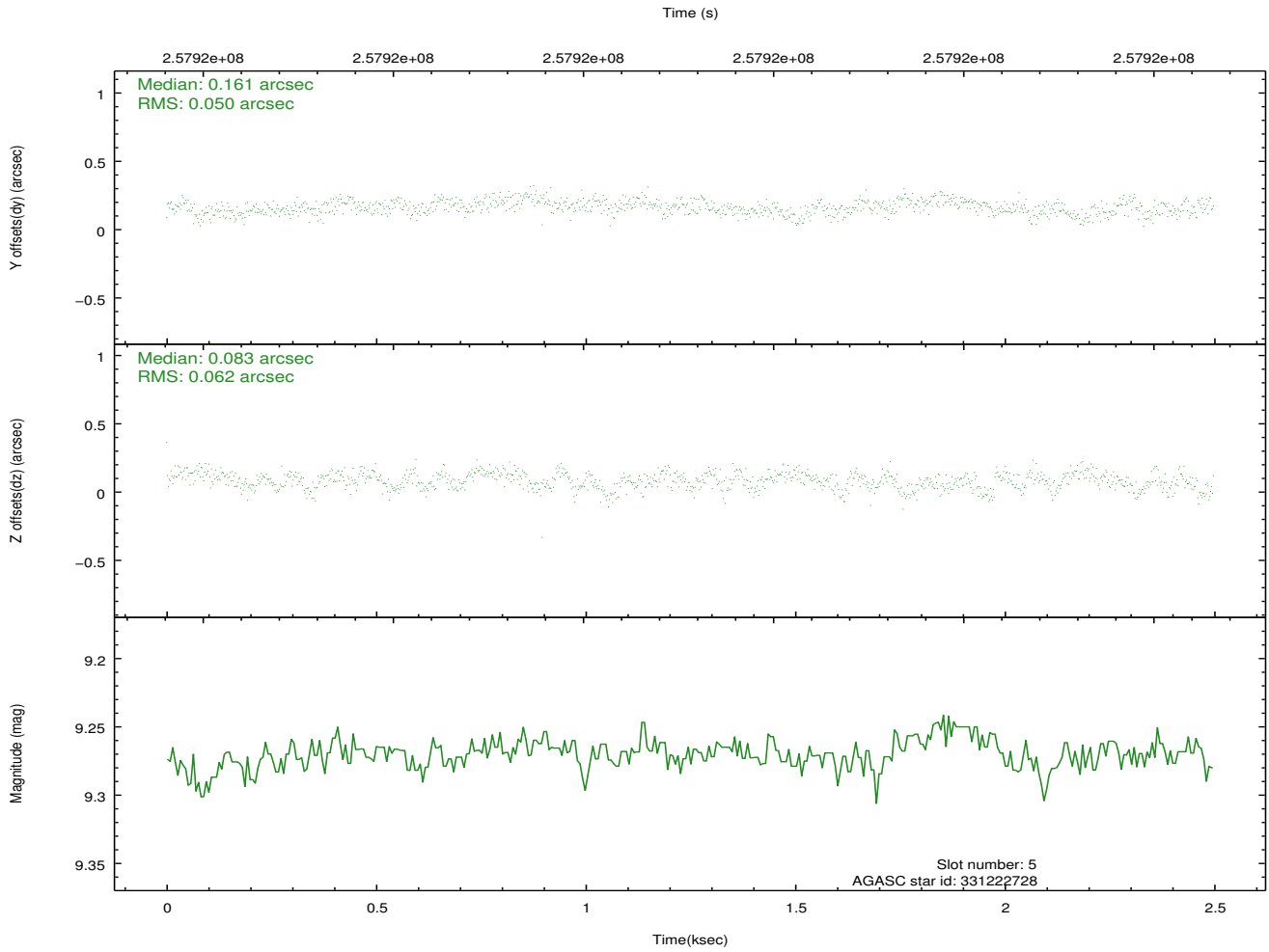
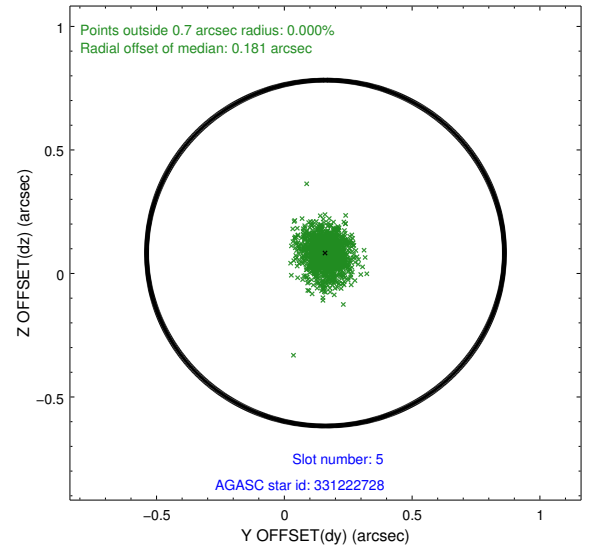
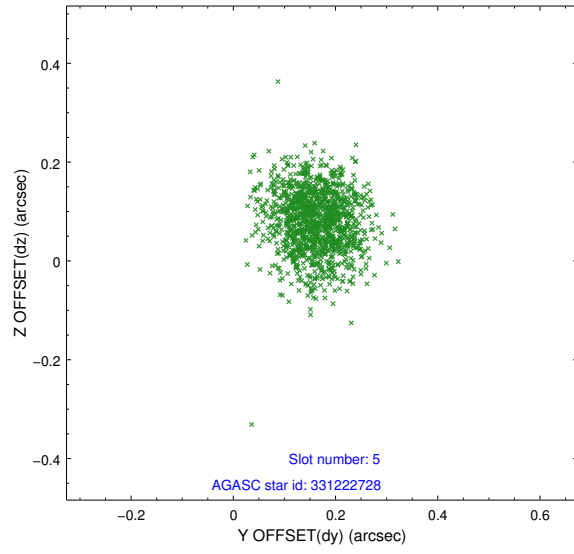
2.4.1 Slot 3



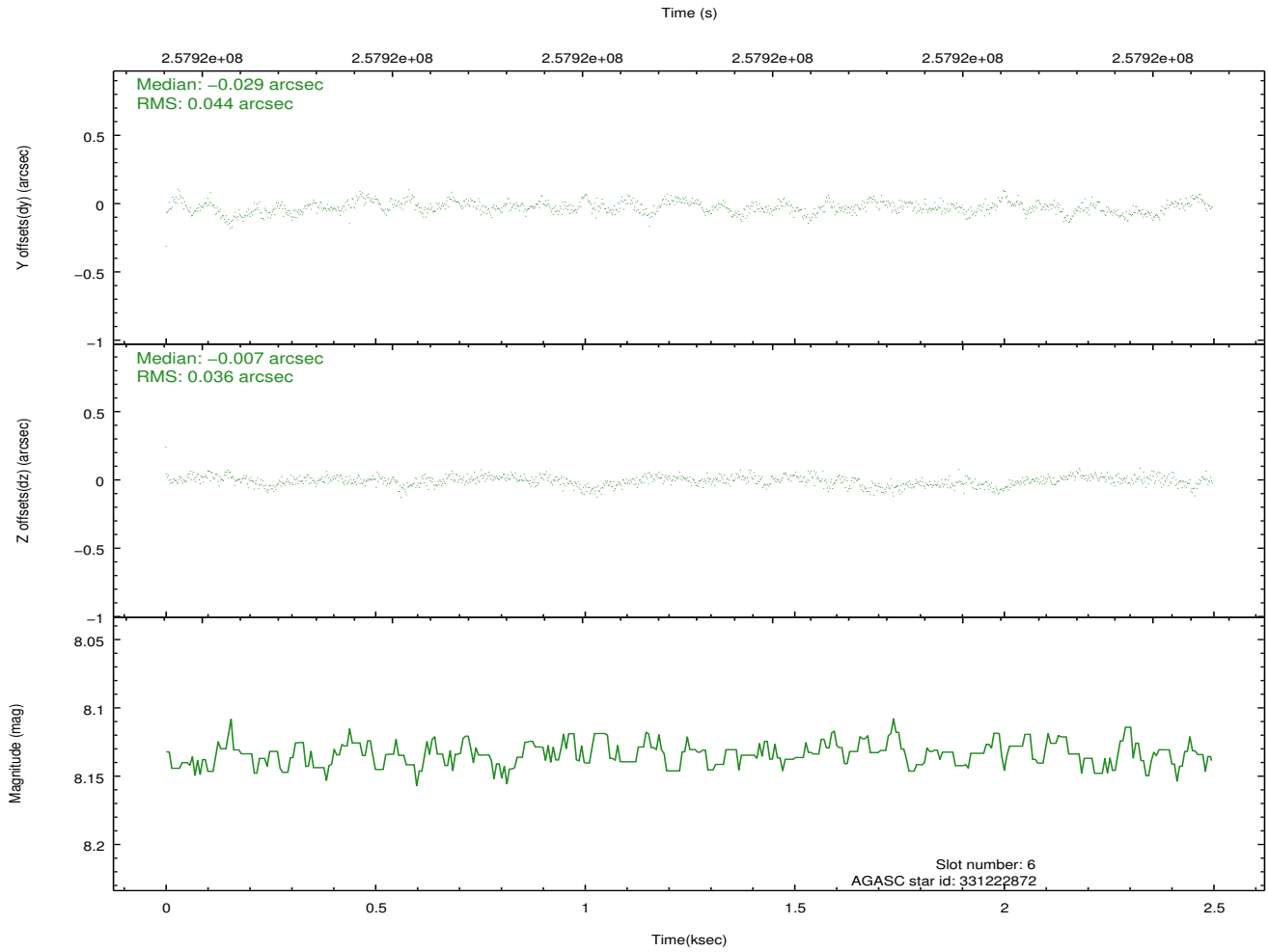
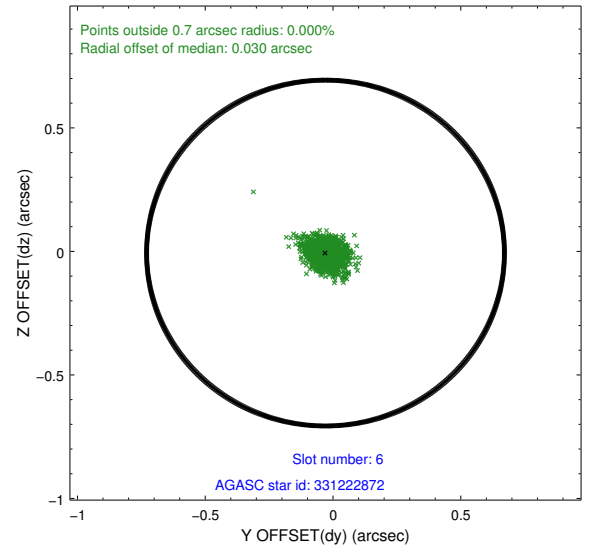
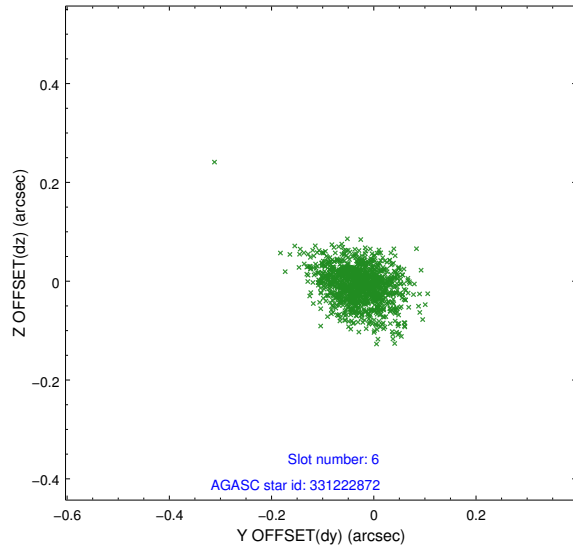
2.4.2 Slot 4



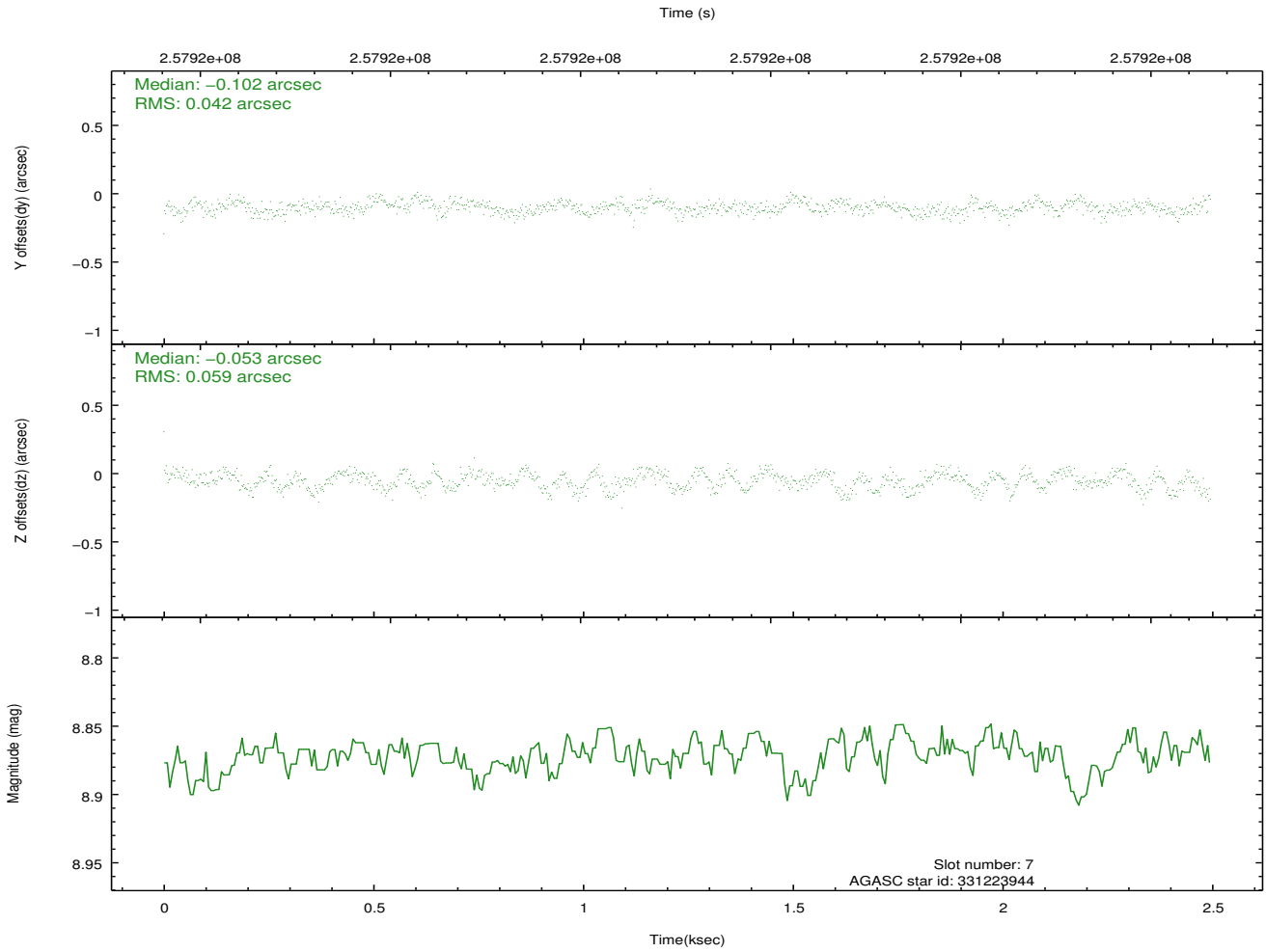
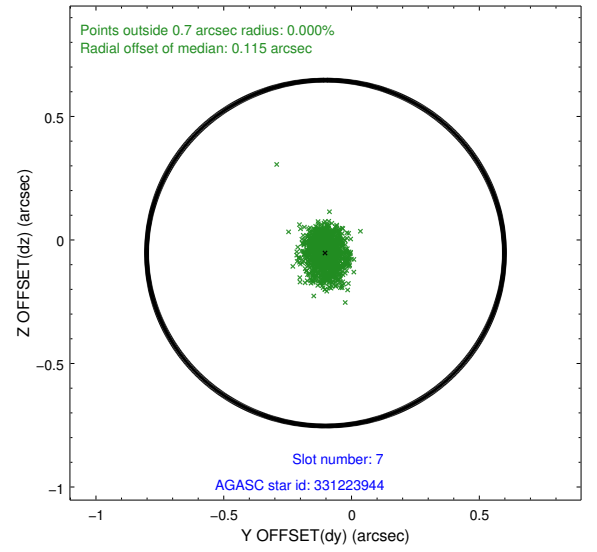
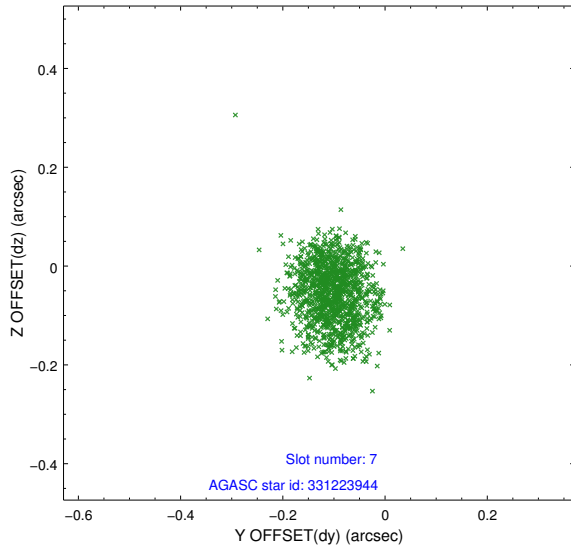
2.4.3 Slot 5



2.4.4 Slot 6

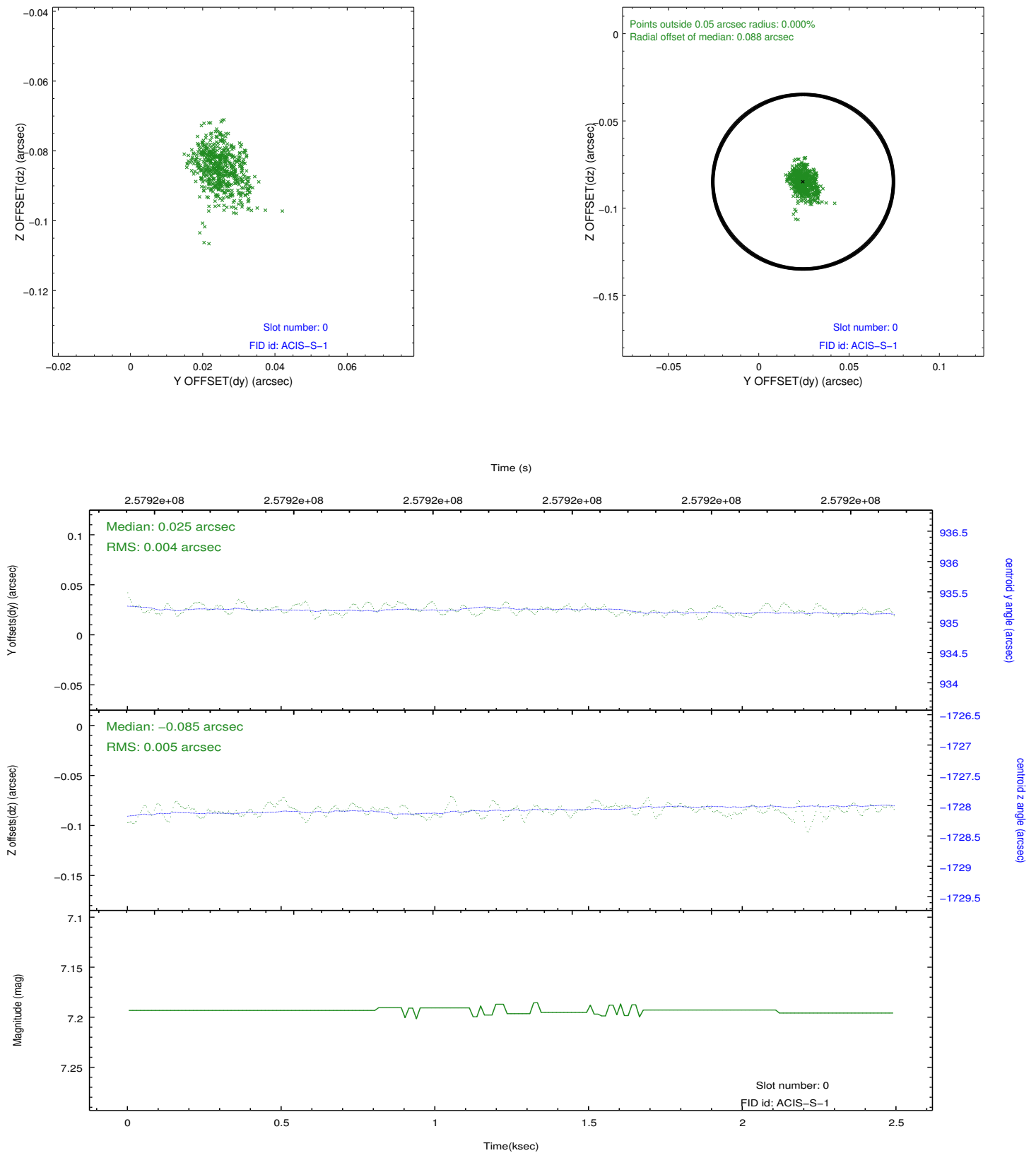


2.4.5 Slot 7

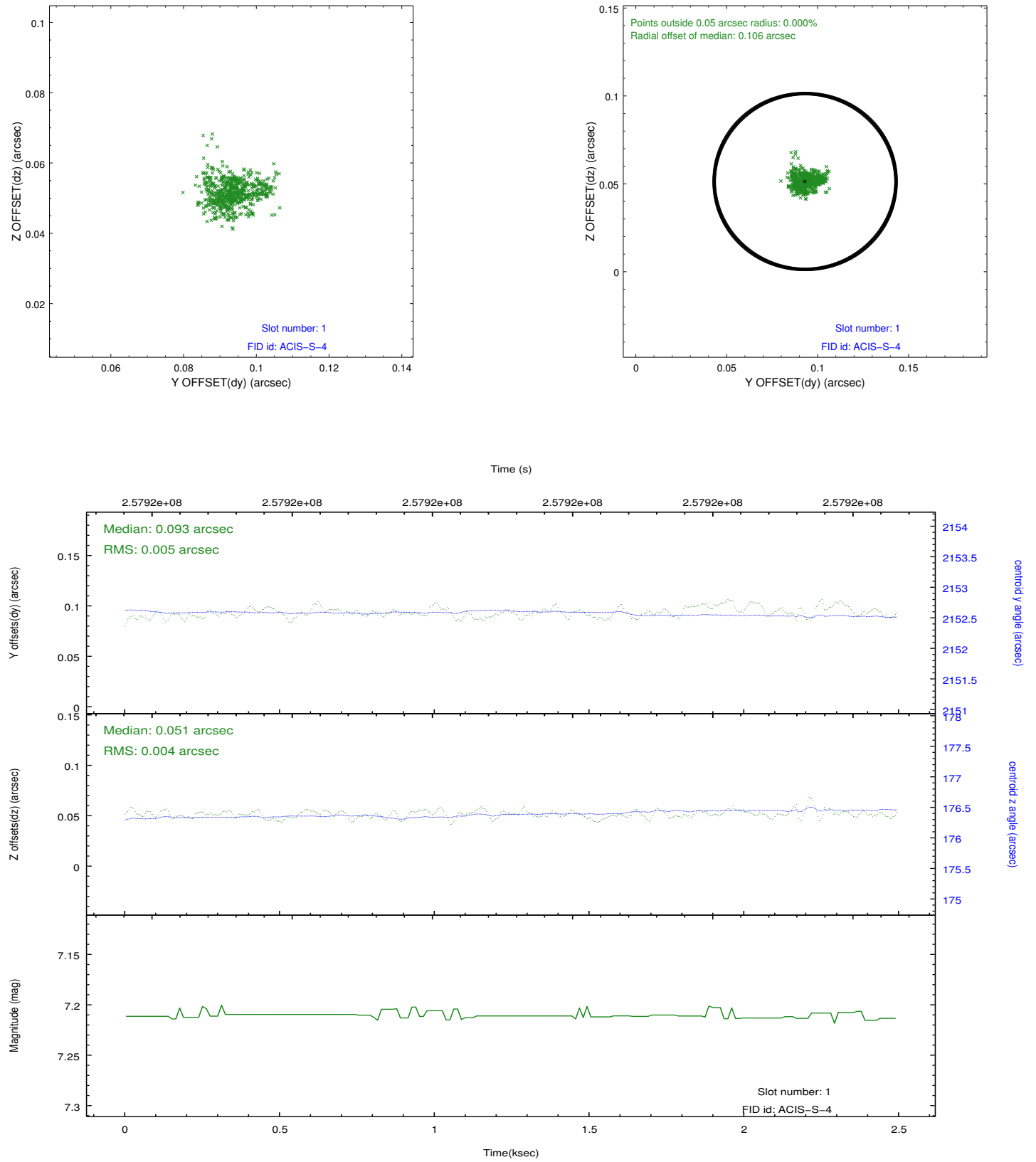


2.5 FID Slots

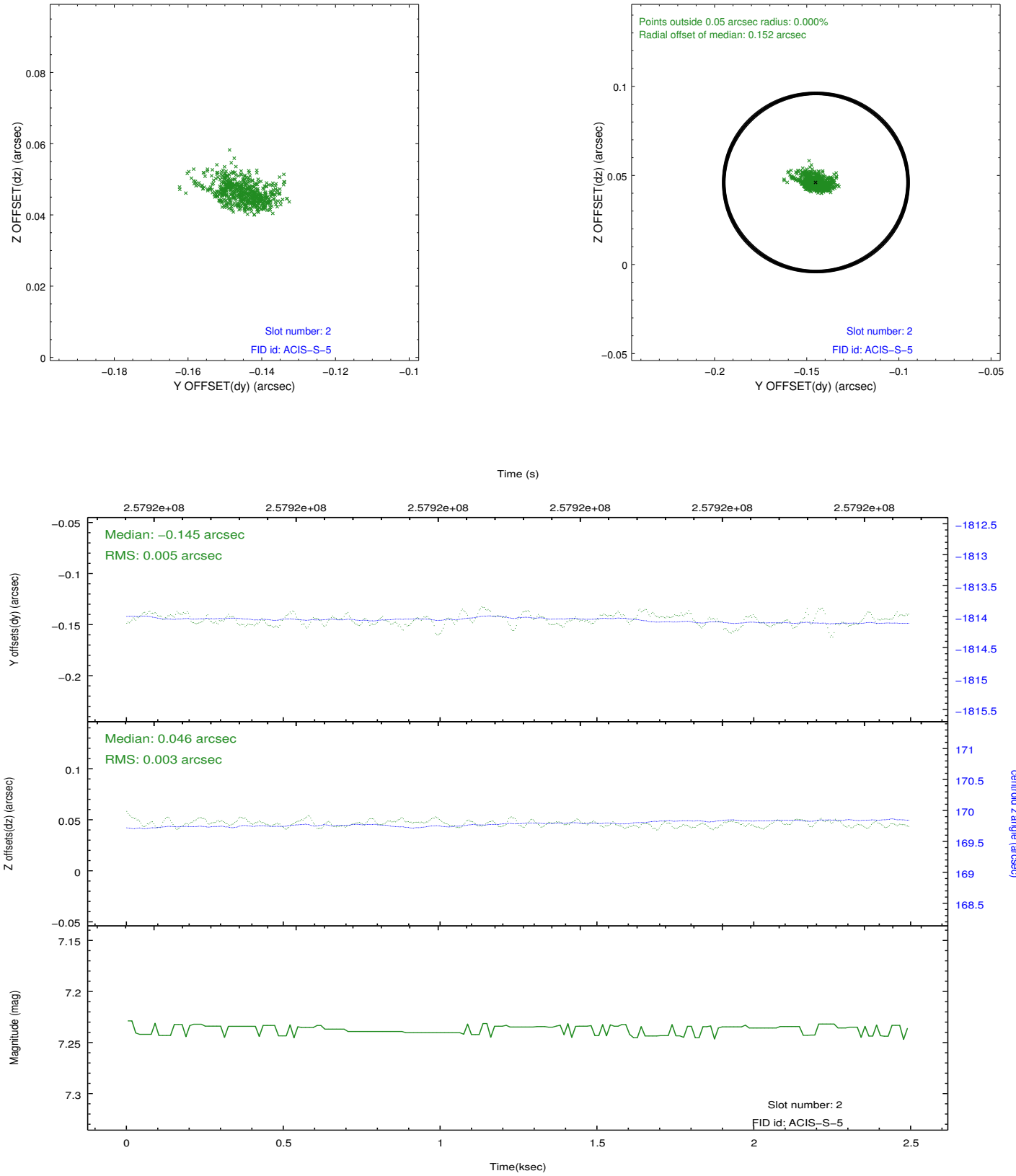
2.5.1 Slot 0



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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.21119999

A.2 Comments