

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2114 - L2 Version 3
Chandra X-Ray Center

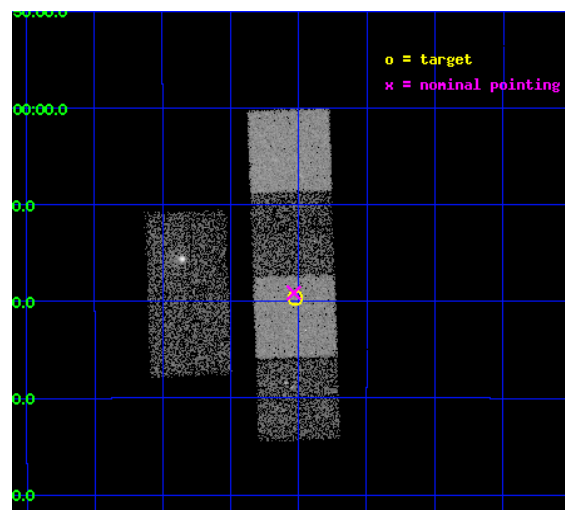
L2 Processing Date : Sep 21 2012

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1 Front

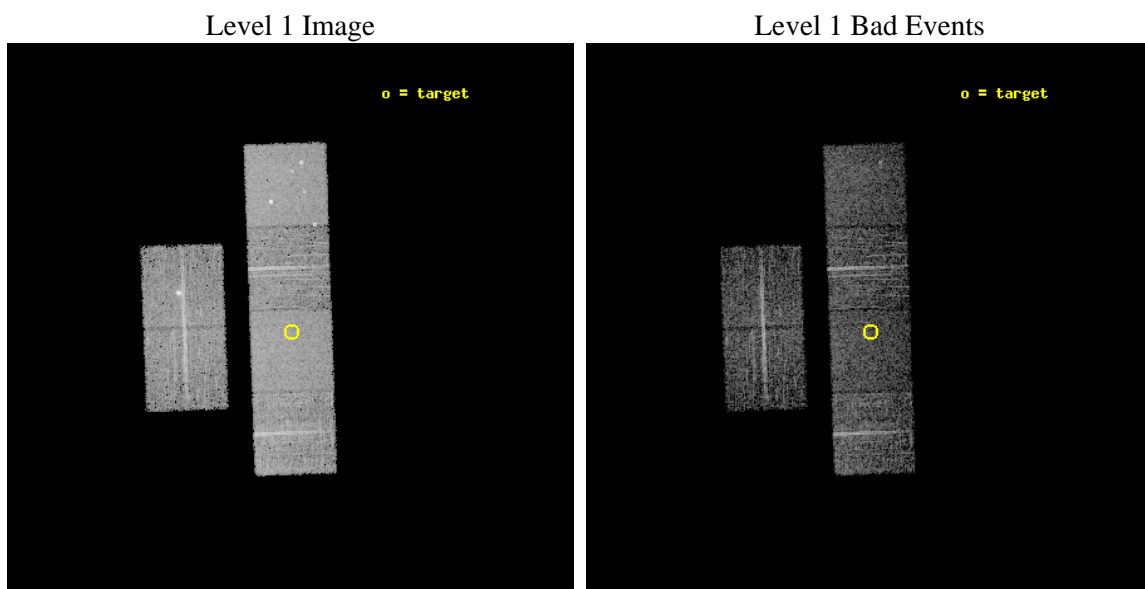
seq_num	700304	Sequence number
obs_id	2114	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOS FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 2201-1834	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	331.006667	Observer's specified target RA [deg]
dec_targ	-18.328444	Observer's specified target Dec [deg]
ra_nom	331.00879849449	Nominal RA [deg]
dec_nom	-18.318963768602	Nominal Dec [deg]
roll_nom	88.021463918124	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5145.6000047773	Sum of GTIs [s]
livetime	5080.4433192085	Livetime [s]
ontime2	5142.3590345234	Sum of GTIs [s]
ontime3	5145.6000047773	Sum of GTIs [s]
ontime5	5145.6000047773	Sum of GTIs [s]
ontime6	5145.6000047773	Sum of GTIs [s]
ontime7	5145.6000047773	Sum of GTIs [s]
ontime8	5145.6000047773	Sum of GTIs [s]
l2events	52293	Number of level 2 events



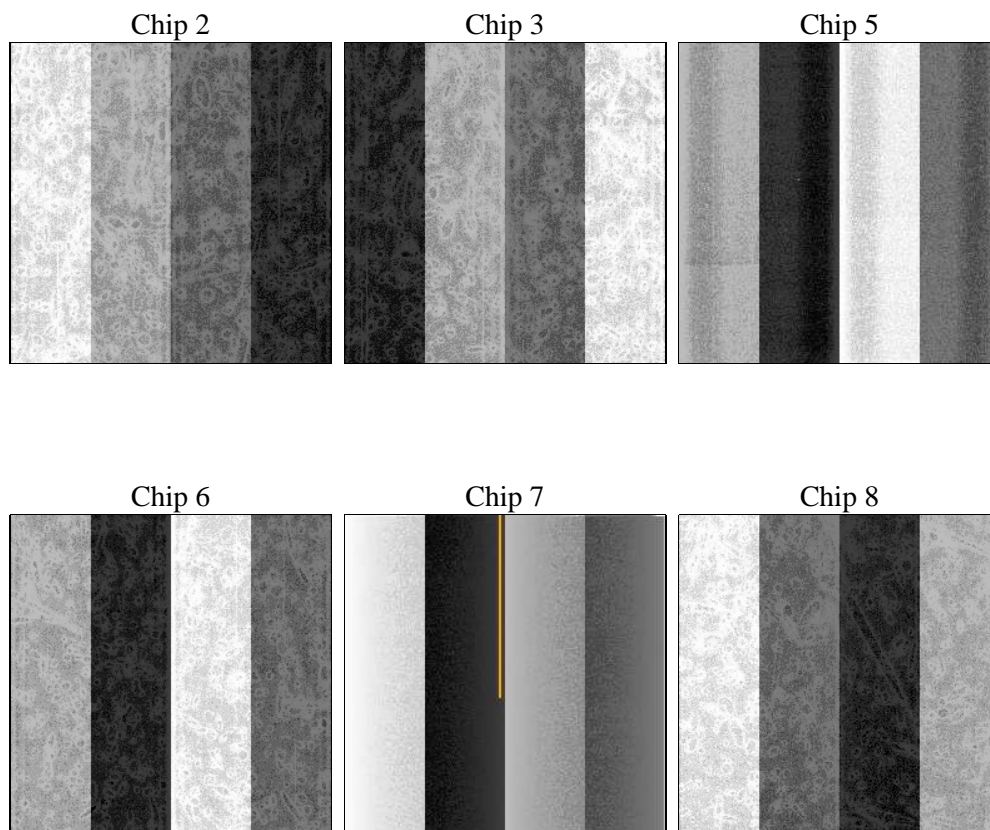
2 OBI

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	5145.6000047773	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	5142.3590345234	Sum of GTIs [s]
date	2012-09-21T10:19:14	Date and time of file creation	ontime3	5145.6000047773	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5145.6000047773	Sum of GTIs [s]
			ontime6	5145.6000047773	Sum of GTIs [s]
			ontime7	5145.6000047773	Sum of GTIs [s]
			ontime8	5145.6000047773	Sum of GTIs [s]
			l1events	238489	Number of level 1 events

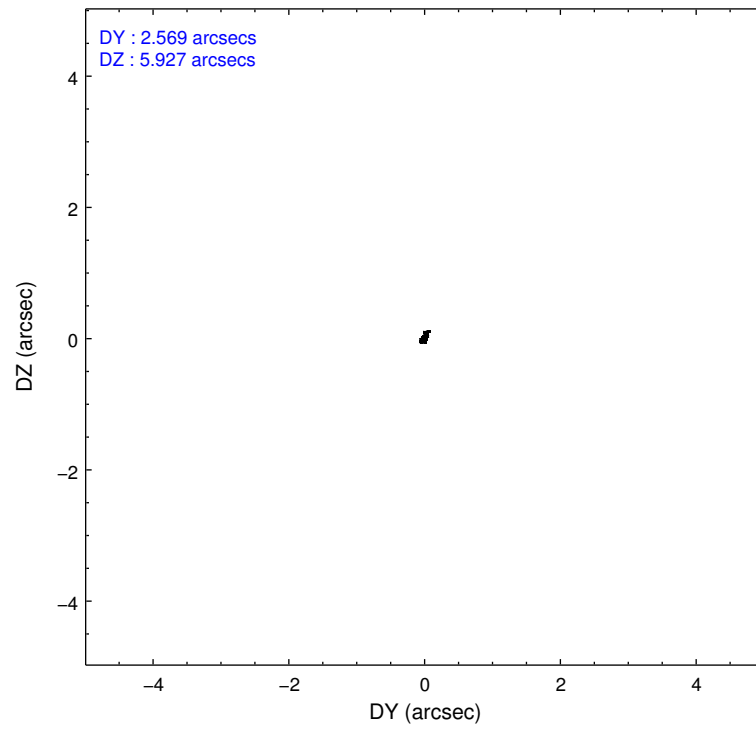
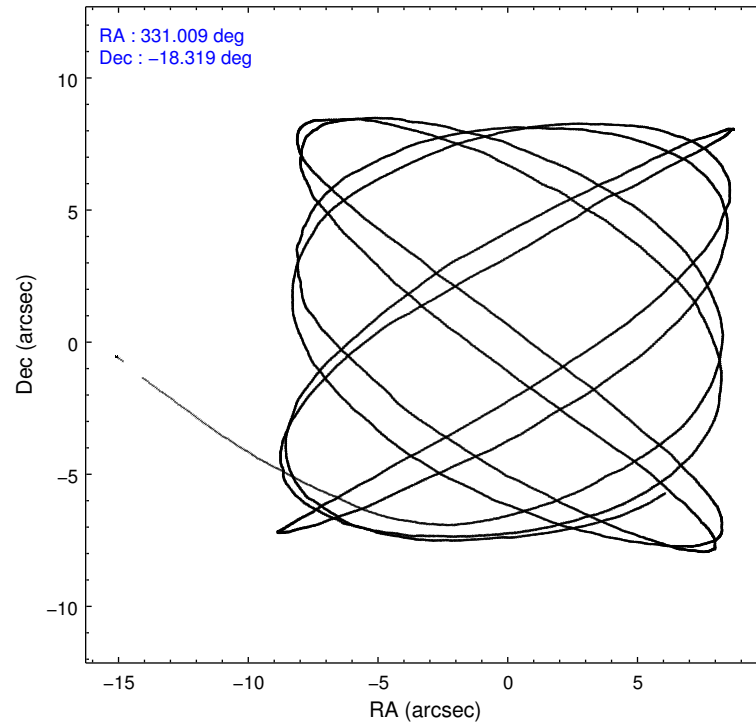
2.1.4 Events

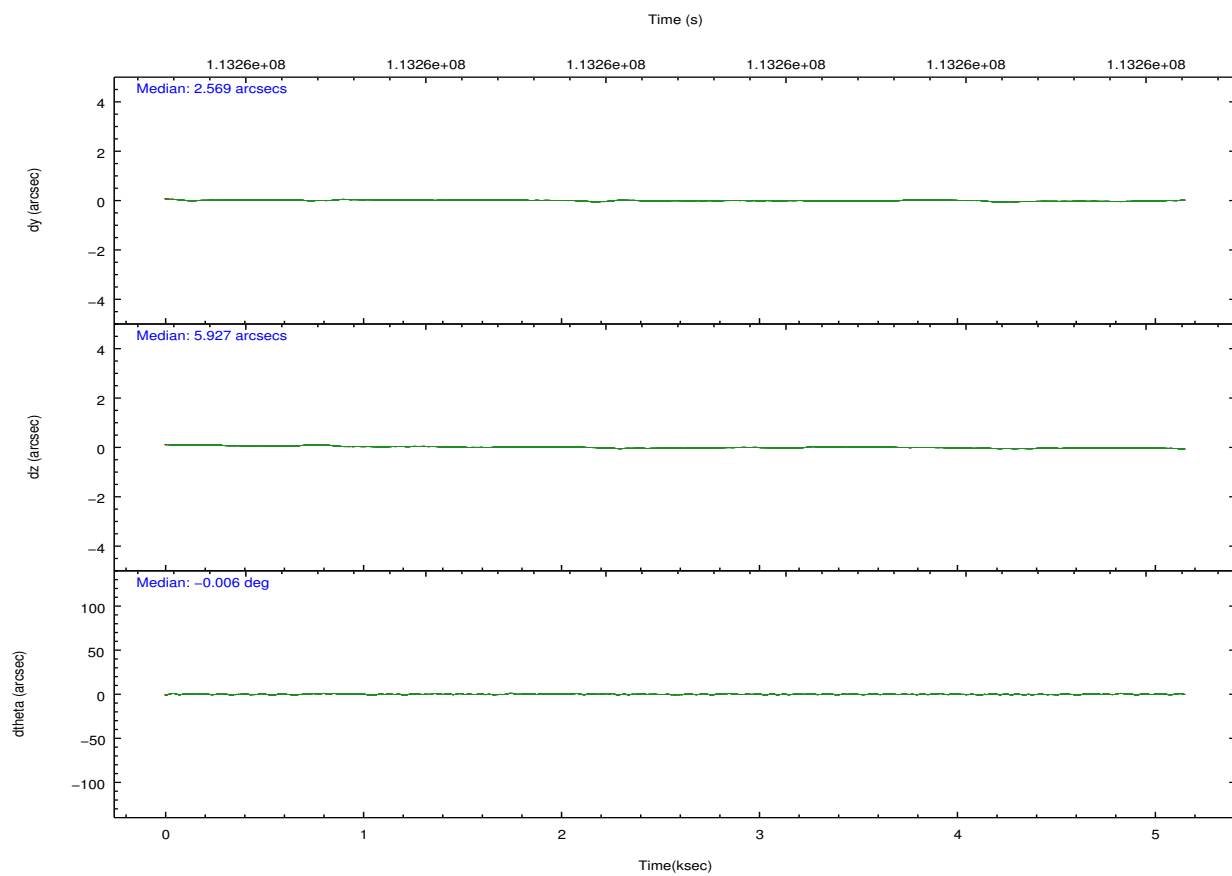
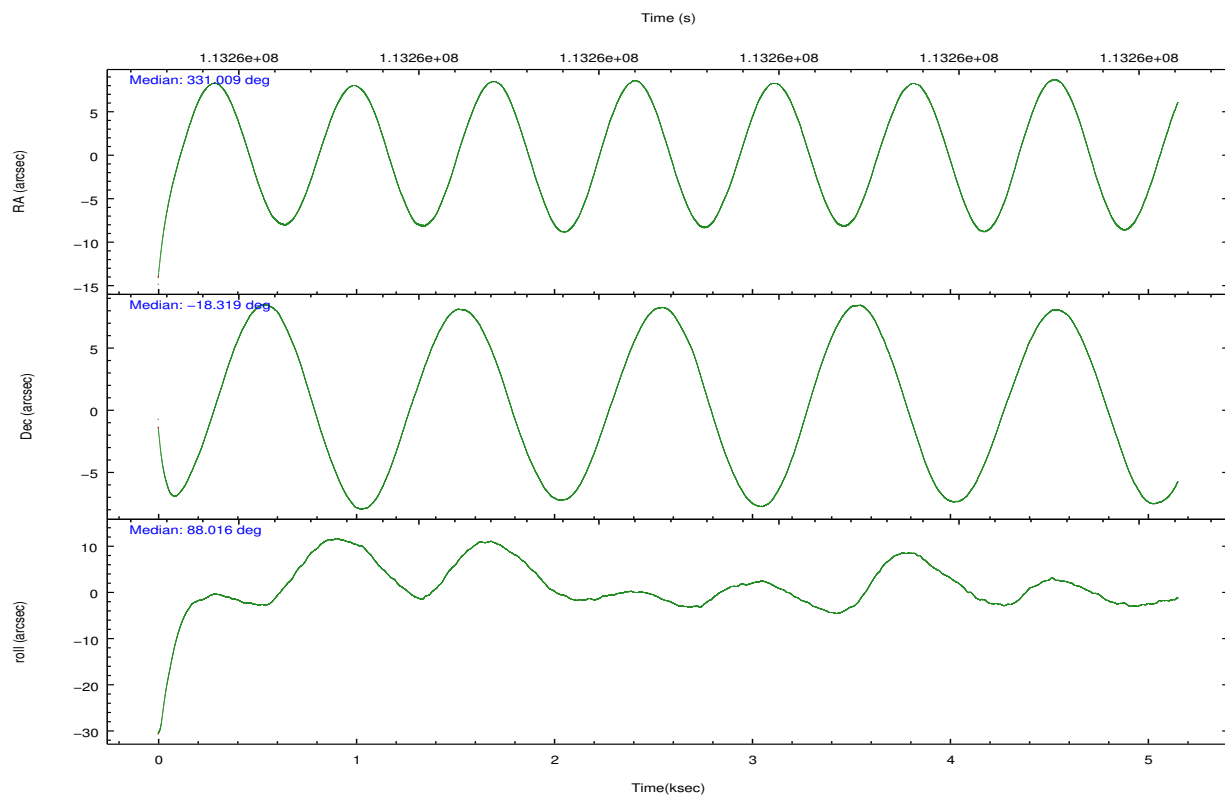
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34823	33211	49290	34799	43780	42586	grade 0 events	2963	1578	3549	1612	1832	2702
rejected events	29593	29604	26729	30906	25875	34474		8%	4%	7%	4%	4%	6%
rejected %	84%	89%	54%	88%	59%	80%	grade 1 events	24	17	65	14	36	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	1012	699	6357	844	3662	1771
								2%	2%	12%	2%	8%	4%
							grade 3 events	383	398	1015	369	1648	933
								1%	1%	2%	1%	3%	2%
							grade 4 events	387	350	941	386	1682	936
								1%	1%	1%	1%	3%	2%
							grade 5 events	1189	1323	3666	1495	4235	1796
								3%	3%	7%	4%	9%	4%
							grade 6 events	652	677	11318	804	9643	2039
								1%	2%	22%	2%	22%	4%
							grade 7 events	28213	28169	22379	29275	21042	32380
								81%	84%	45%	84%	48%	76%

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	331.022618	331.0087984944932	Subarray requested	NONE	NONE
[deg] Pointing Dec	-18.342856	-18.31896376860153	Alternating exposures requested	N	N
[deg] Pointing Roll	87.869213	88.02146391812447	[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)	113254958.184000	113253828.90861			
Observation start date	2001-08-03T19:41:34	2001-08-03T19:23:48			
[s] Observation end time (MET)	113259958.184000	113261481.55891			
Observation end date	2001-08-03T21:04:54	2001-08-03T21:31:21			
Read mode	TIMED	TIMED			

2.3 Aspect



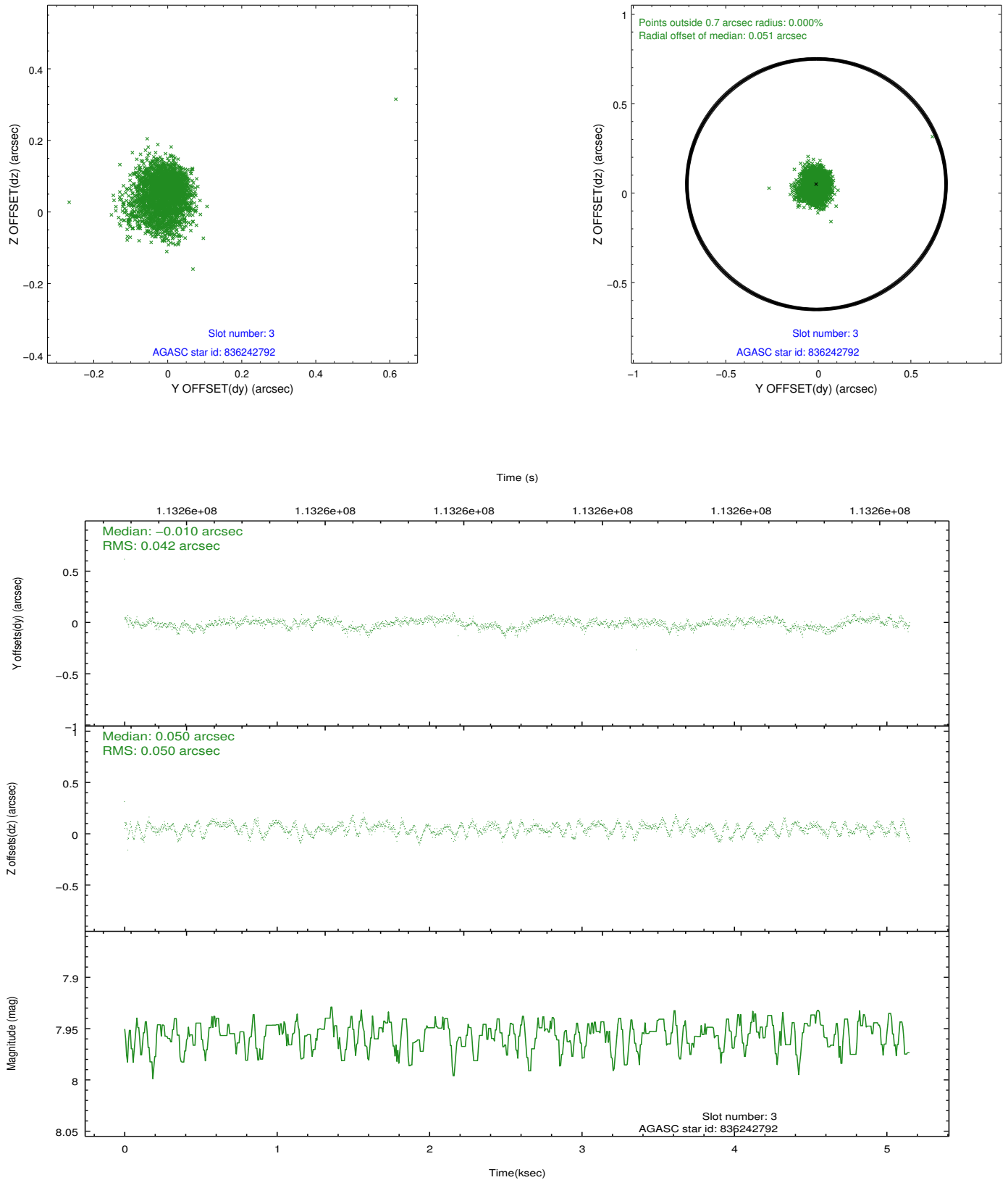


Slot Statistics

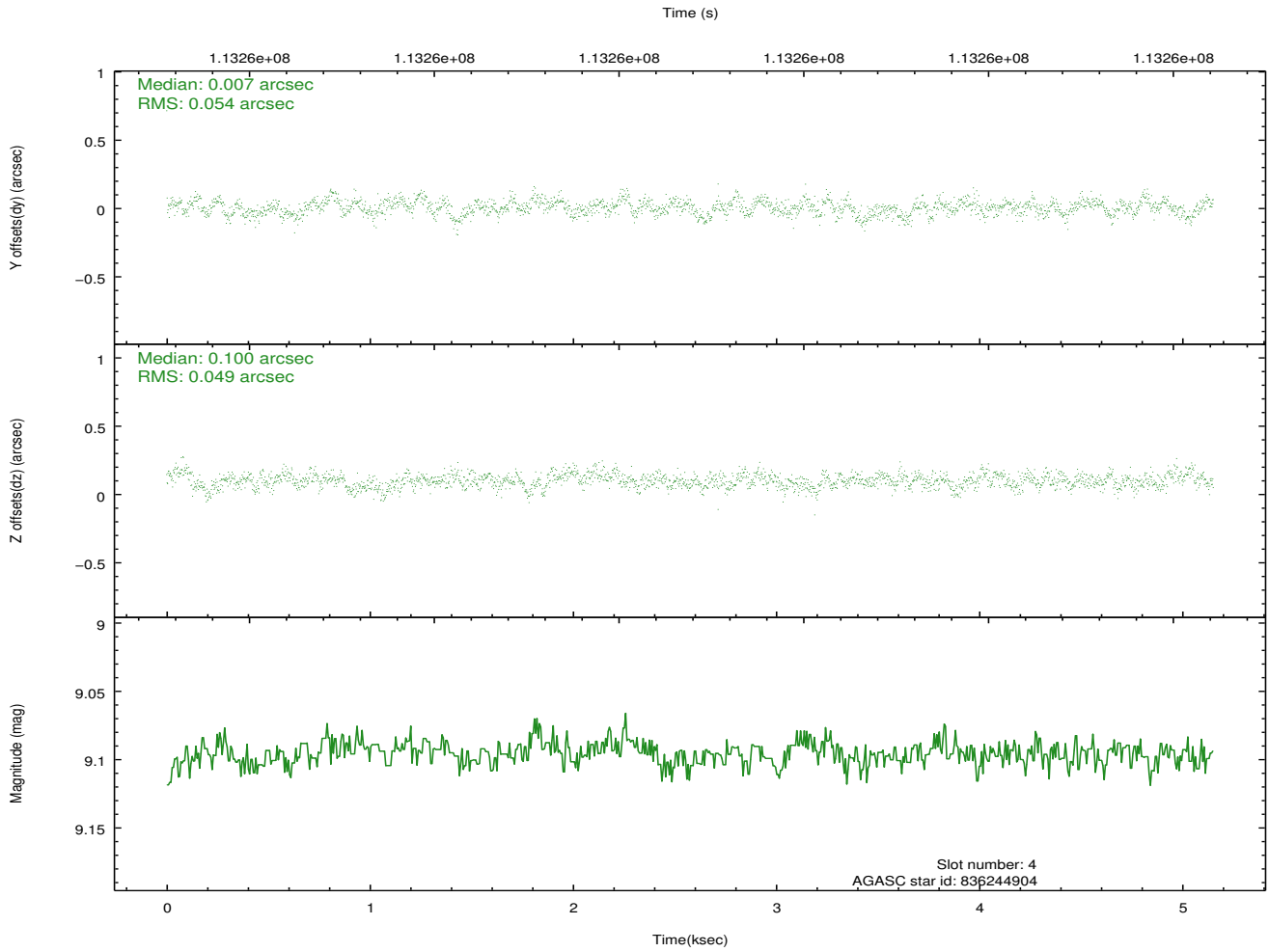
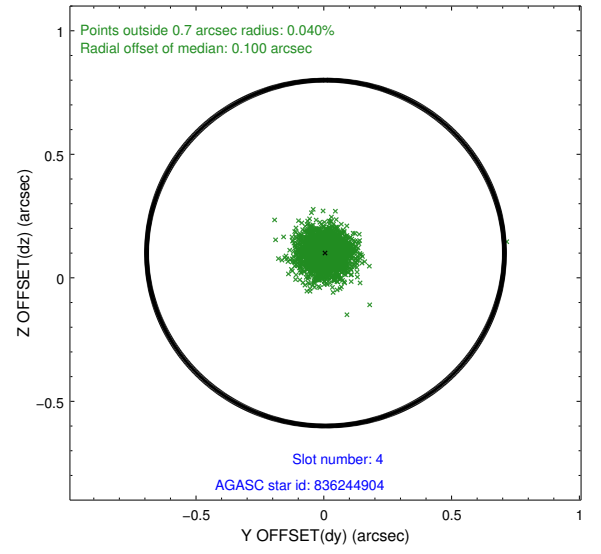
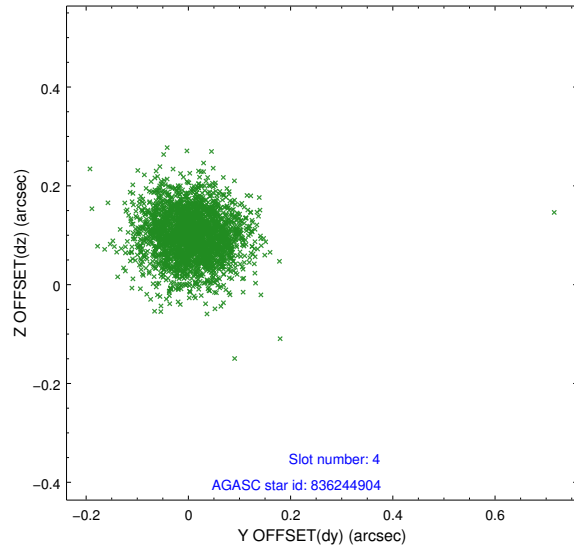
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1257	-0.035	0.003	0.006	0.010	0.000000	0.000000	-755.18	-1727.09
1	FID	ACIS-S-4	7.20	1257	-0.027	0.016	0.005	0.010	0.000000	0.000000	2157.52	180.27
2	FID	ACIS-S-5	7.24	1257	0.031	-0.010	0.006	0.010	0.000000	0.000000	-1806.50	175.15
3	GUIDE	836242792	7.96	2511	-0.010	0.050	0.067	0.111	331.450637	-18.668198	-1117.77	-1502.85
4	GUIDE	836244904	9.10	2514	0.007	0.100	0.076	0.123	331.477115	-18.930821	-2059.96	-1626.52
5	GUIDE	836249968	9.37	2514	-0.125	0.024	0.140	0.217	331.315587	-17.697275	2358.13	-918.57
6	GUIDE	836246360	9.89	2497	0.144	0.022	0.125	0.194	331.304626	-18.833846	-1730.22	-1026.80
7	GUIDE	836122672	9.58	2511	-0.019	-0.185	0.122	0.199	330.300629	-18.597479	-1013.50	2426.45

2.4 Star Slots

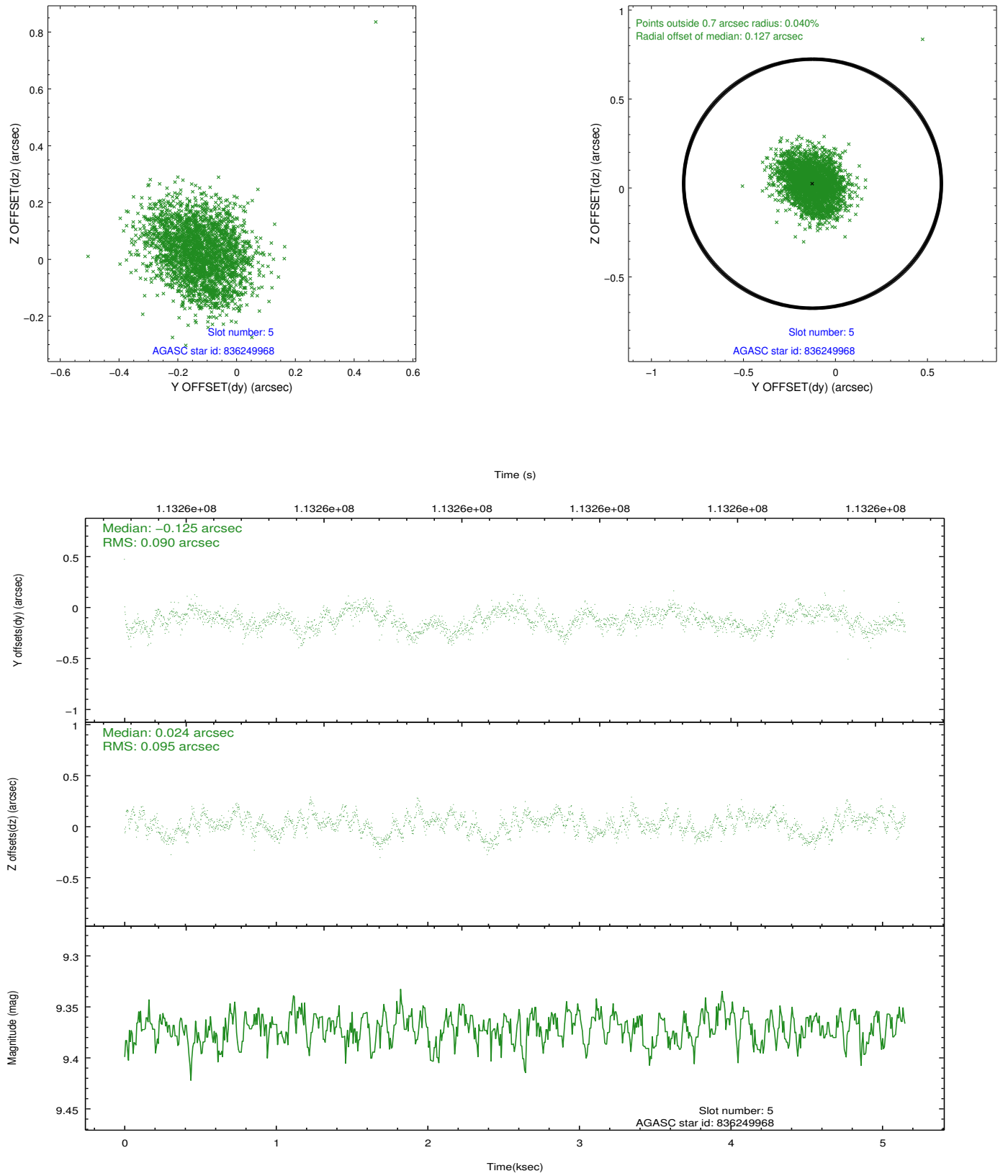
2.4.1 Slot 3



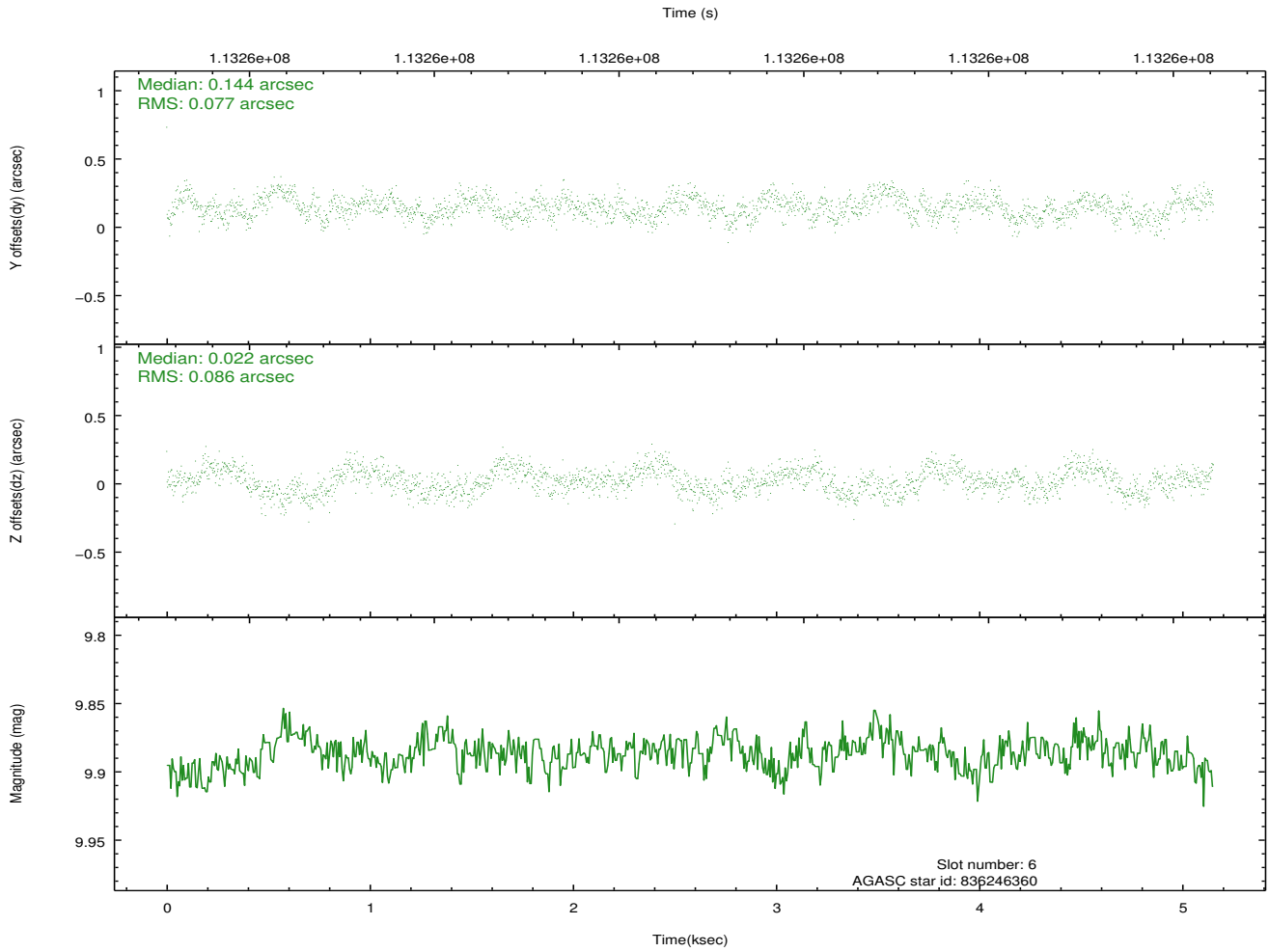
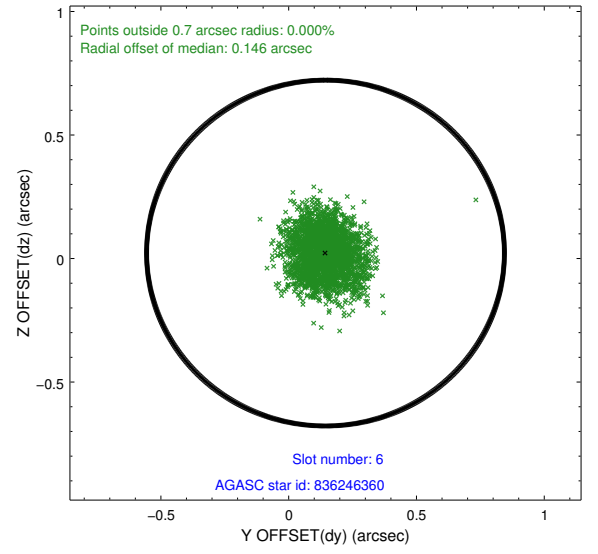
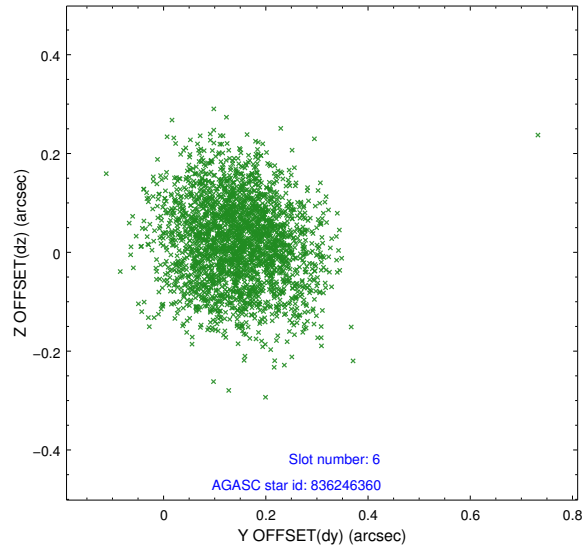
2.4.2 Slot 4



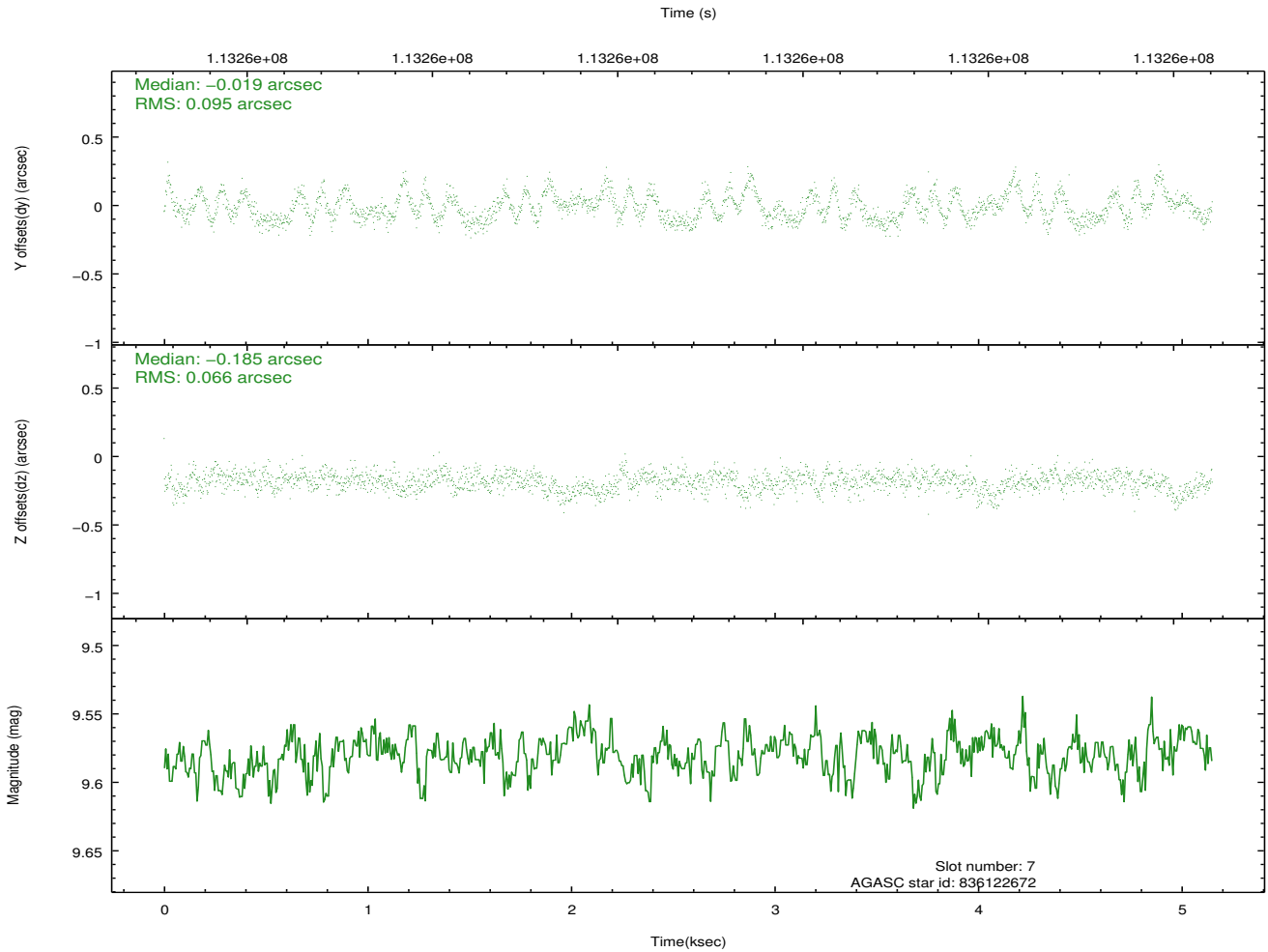
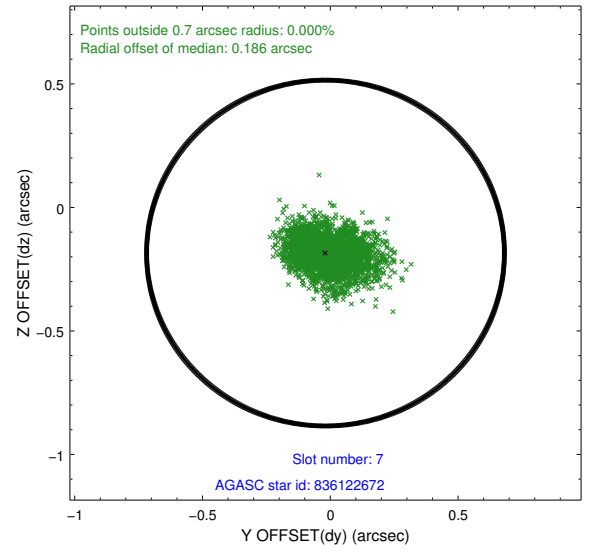
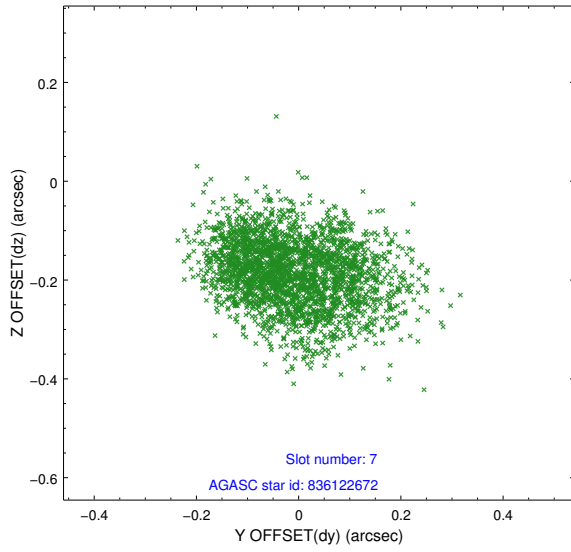
2.4.3 Slot 5



2.4.4 Slot 6

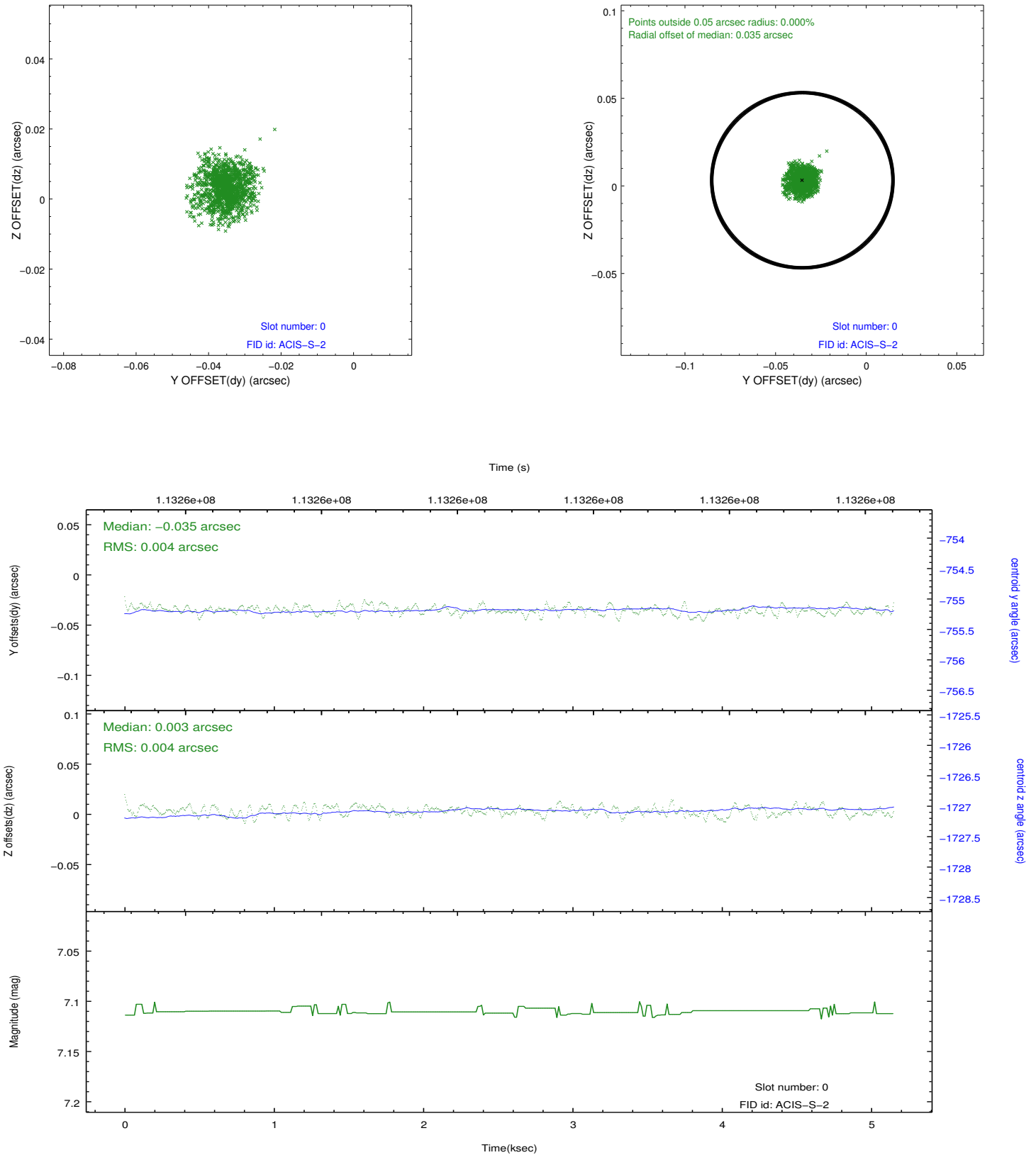


2.4.5 Slot 7

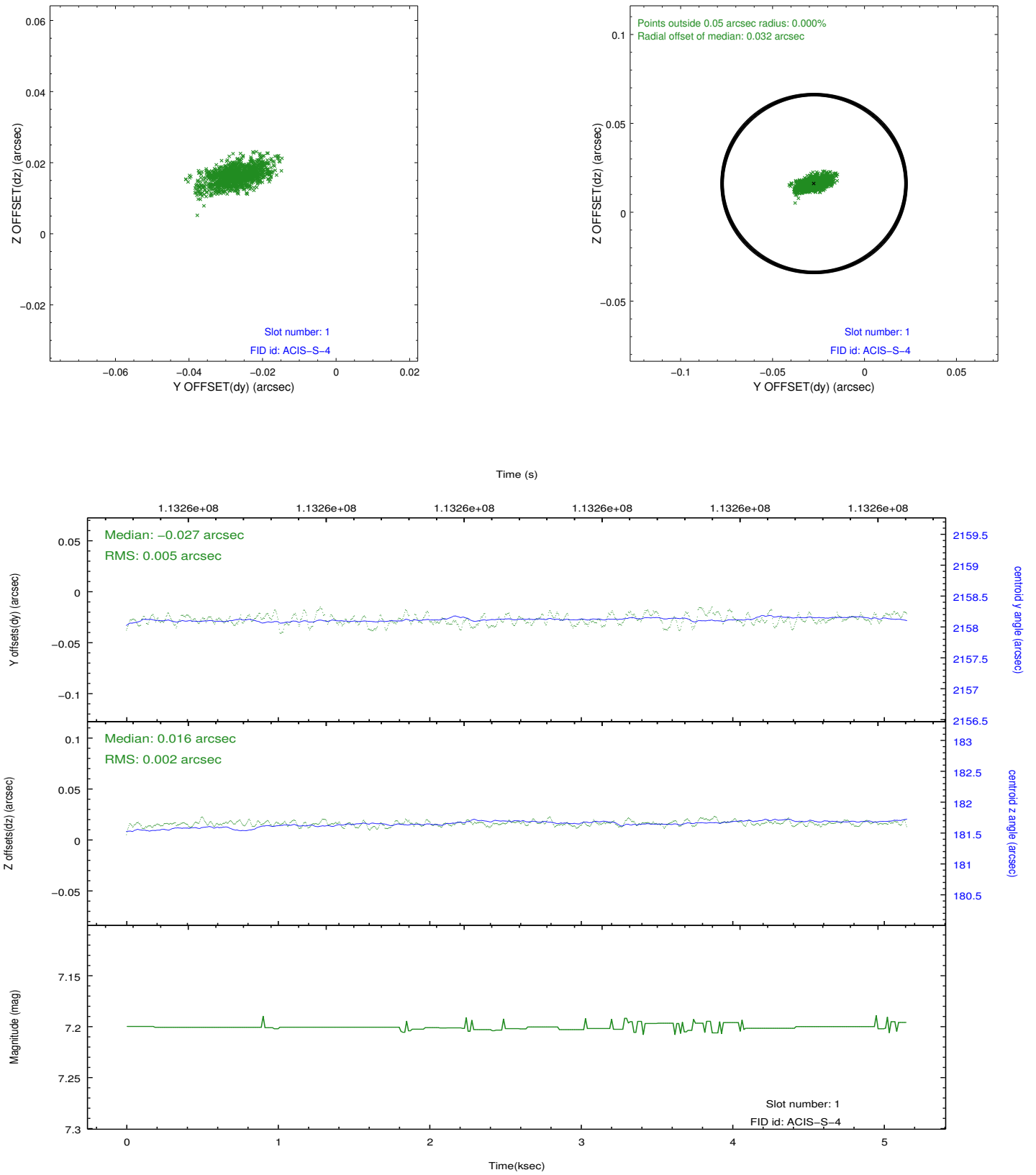


2.5 FID Slots

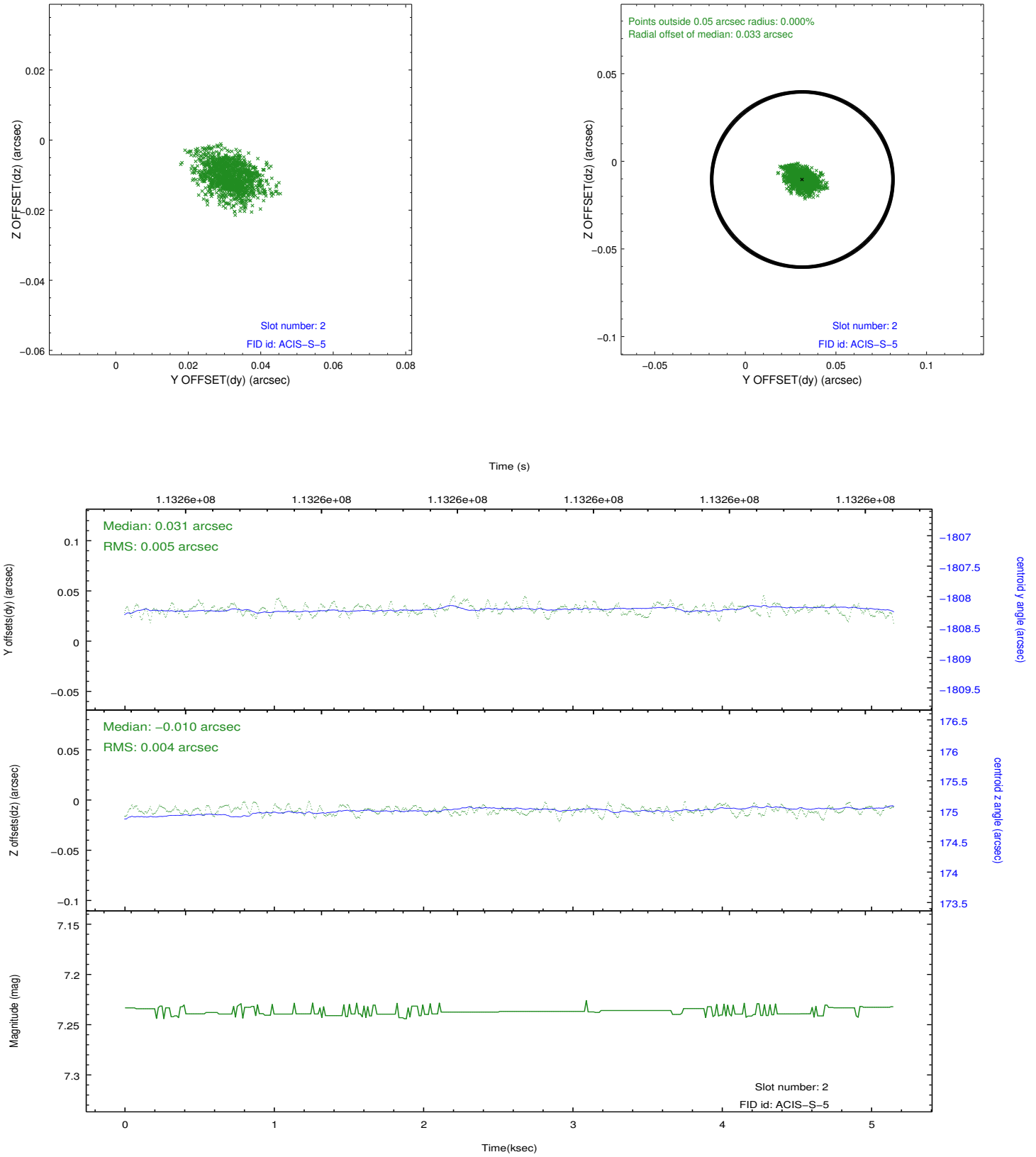
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.146

A.2 Comments