

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1676 - L2 Version 3
Chandra X-Ray Center

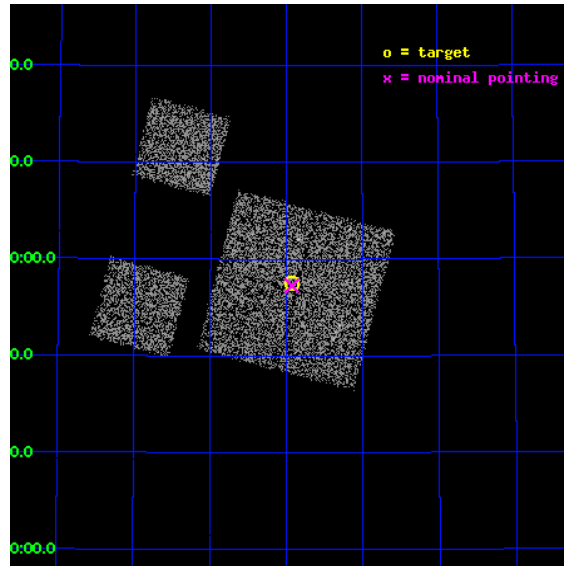
L2 Processing Date : Sep 20 2012

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1 Front

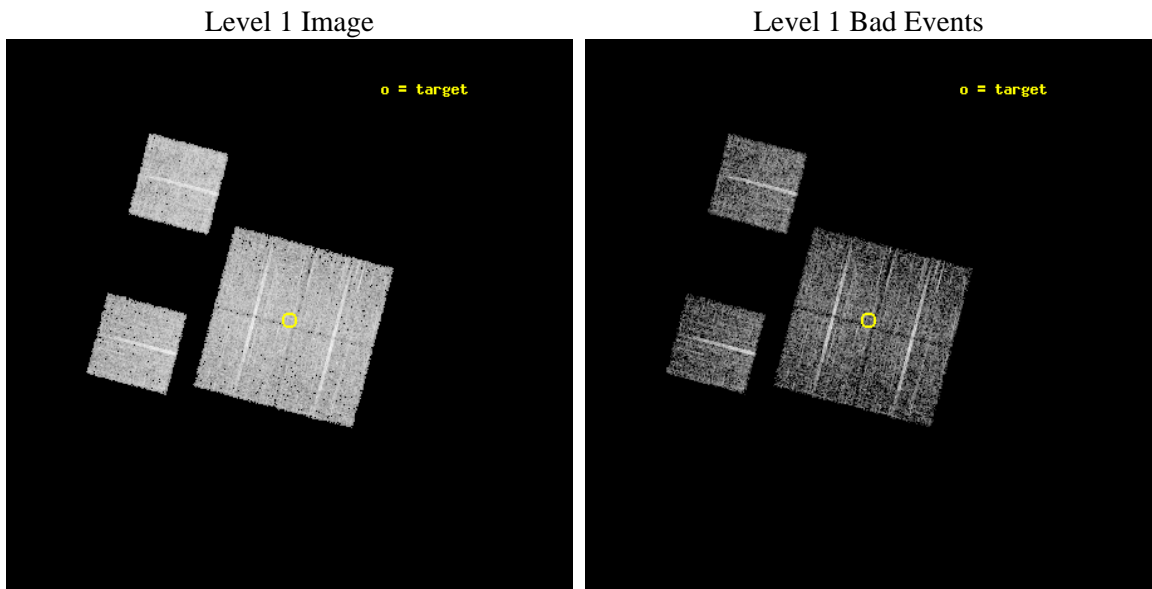
seq_num	900035	Sequence number
obs_id	1676	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #19	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.733333	Observer's specified target RA [deg]
dec_targ	57.958889	Observer's specified target Dec [deg]
ra_nom	162.73197543299	Nominal RA [deg]
dec_nom	57.954229649078	Nominal Dec [deg]
roll_nom	284.7861533535	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4758.4000044167	Sum of GTIs [s]
livetime	4698.1462783963	Livetime [s]
ontime0	4748.6771536171	Sum of GTIs [s]
ontime1	4758.4000044167	Sum of GTIs [s]
ontime2	4742.1951533705	Sum of GTIs [s]
ontime3	4758.4000044167	Sum of GTIs [s]
ontime6	4758.4000044167	Sum of GTIs [s]
ontime8	4758.4000044167	Sum of GTIs [s]
l2events	18374	Number of level 2 events



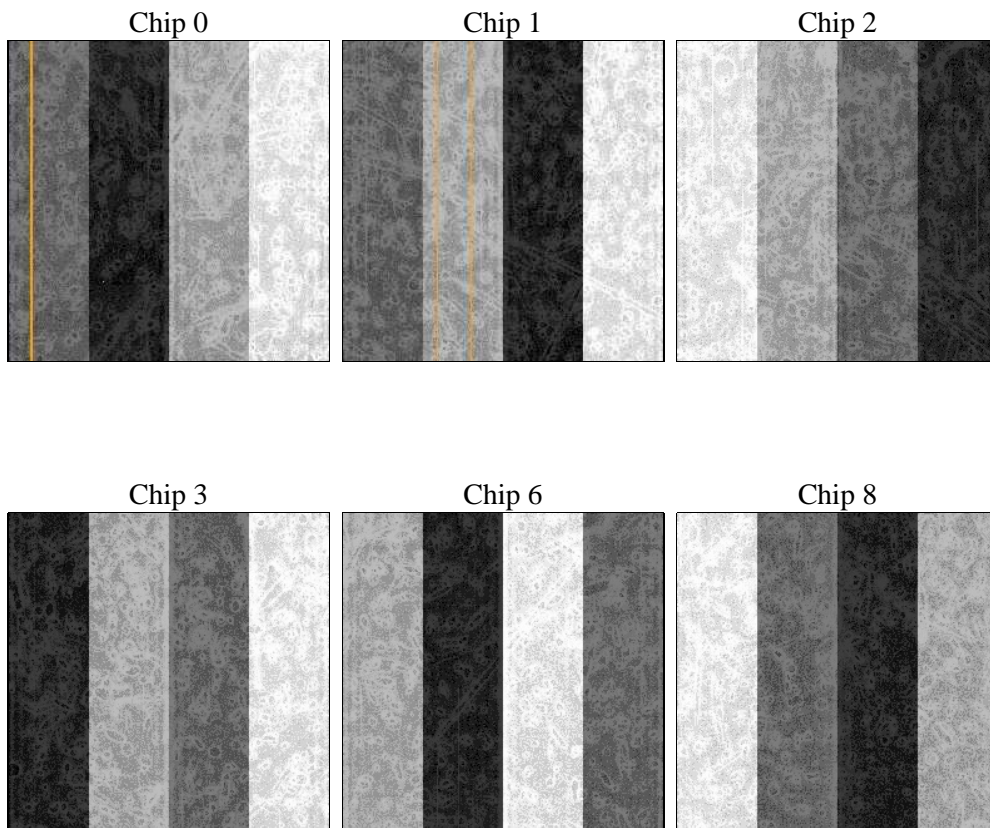
2 OBI

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	4758.4000044167	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	4748.6771536171	Sum of GTIs [s]
date	2012-09-20T12:40:25	Date and time of file creation	ontime1	4758.4000044167	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4742.1951533705	Sum of GTIs [s]
			ontime3	4758.4000044167	Sum of GTIs [s]
			ontime6	4758.4000044167	Sum of GTIs [s]
			ontime8	4758.4000044167	Sum of GTIs [s]
			l1events	187458	Number of level 1 events

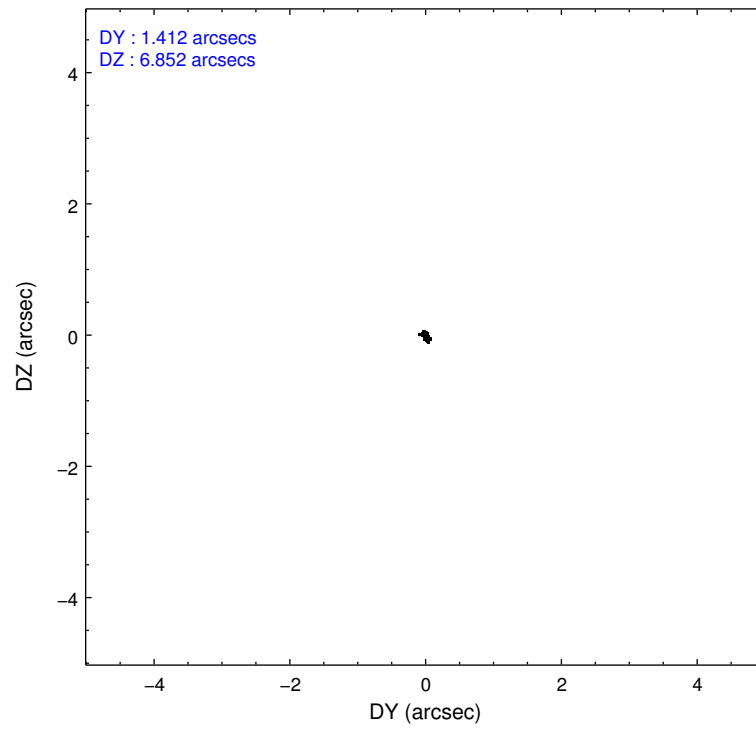
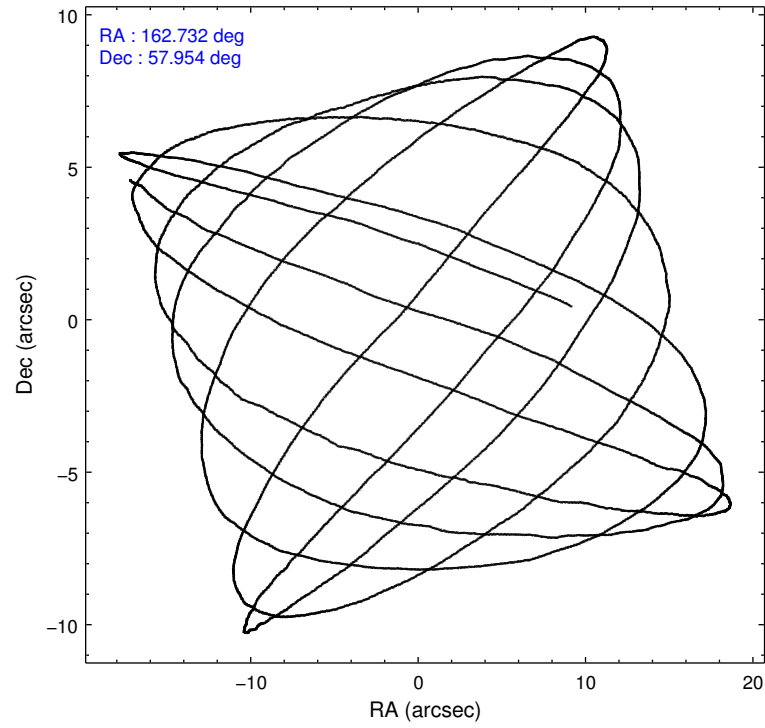
2.1.4 Events

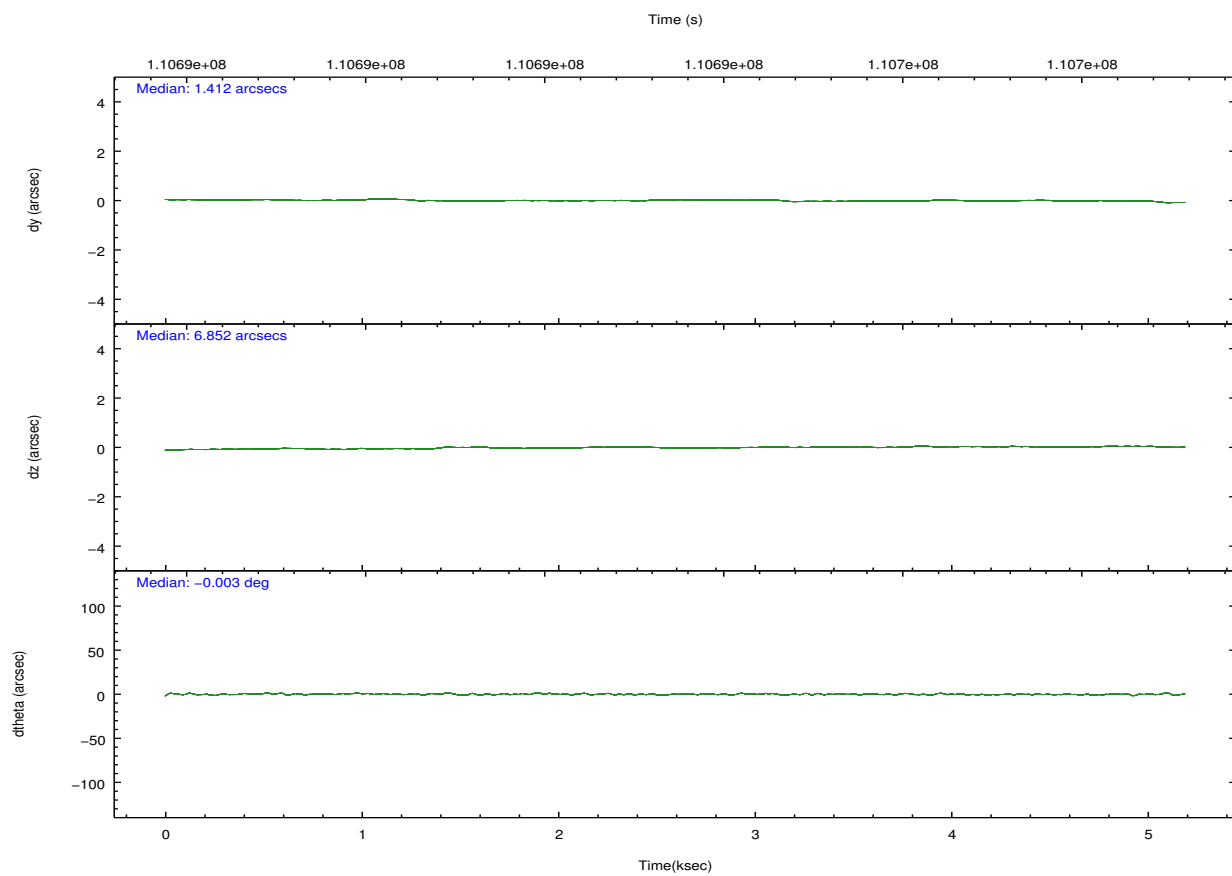
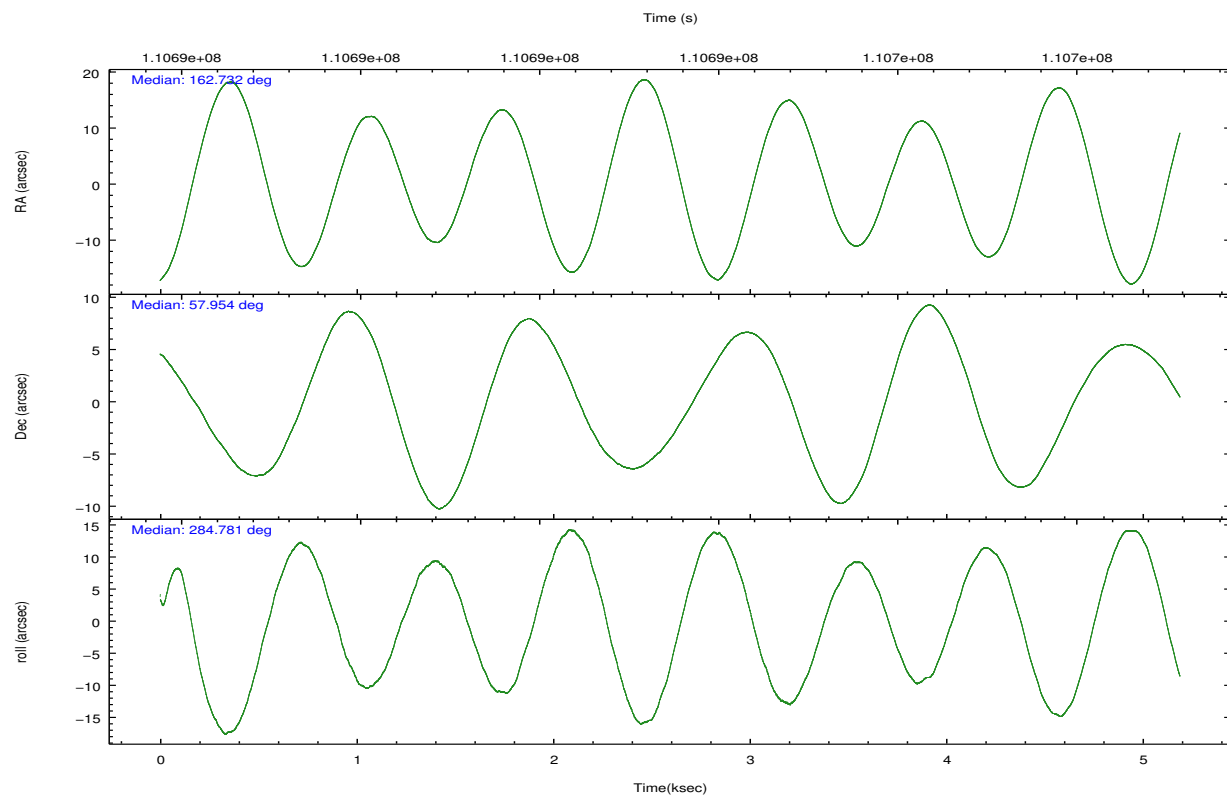
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	27885	29500	30312	30141	30094	39526	grade 0 events	1600	1499	1545	1511	1295	2356
rejected events	24171	25733	26851	26619	26733	31993		5%	5%	5%	5%	4%	5%
rejected %	86%	87%	88%	88%	88%	80%	grade 1 events	17	15	12	13	15	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	782	766	696	700	683	1668
								2%	2%	2%	2%	2%	4%
							grade 3 events	370	389	308	382	343	755
								1%	1%	1%	1%	1%	1%
							grade 4 events	338	373	310	317	356	751
								1%	1%	1%	1%	1%	1%
							grade 5 events	1139	1149	1053	1149	1261	1572
								4%	3%	3%	3%	4%	3%
							grade 6 events	628	743	602	613	686	2004
								2%	2%	1%	2%	2%	5%
							grade 7 events	23011	24566	25786	25456	25455	30391
								82%	83%	85%	84%	84%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012368	ACIS-012368	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	162.695564	162.7319754329923	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.973638	57.95422964907803	Alternating exposures requested	N	N
[deg] Pointing Roll	284.608336	284.786153353502	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	110691322.184000	110690943.40816			
Observation start date	2001-07-05T03:34:18	2001-07-05T03:29:03			
[s] Observation end time (MET)	110696322.184000	110696456.37088			
Observation end date	2001-07-05T04:57:38	2001-07-05T05:00:56			
Read mode	TIMED	TIMED			

2.3 Aspect



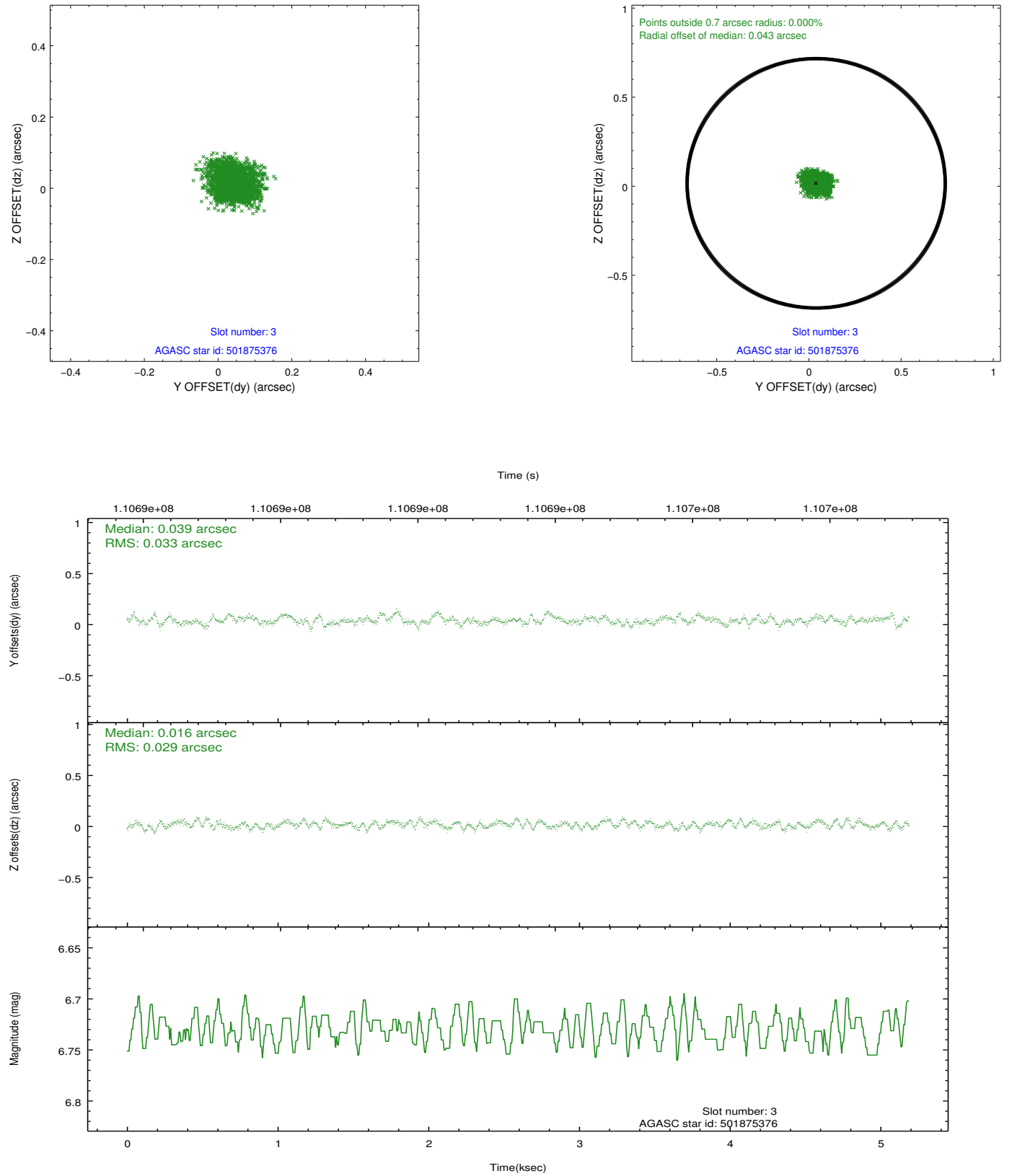


Slot Statistics

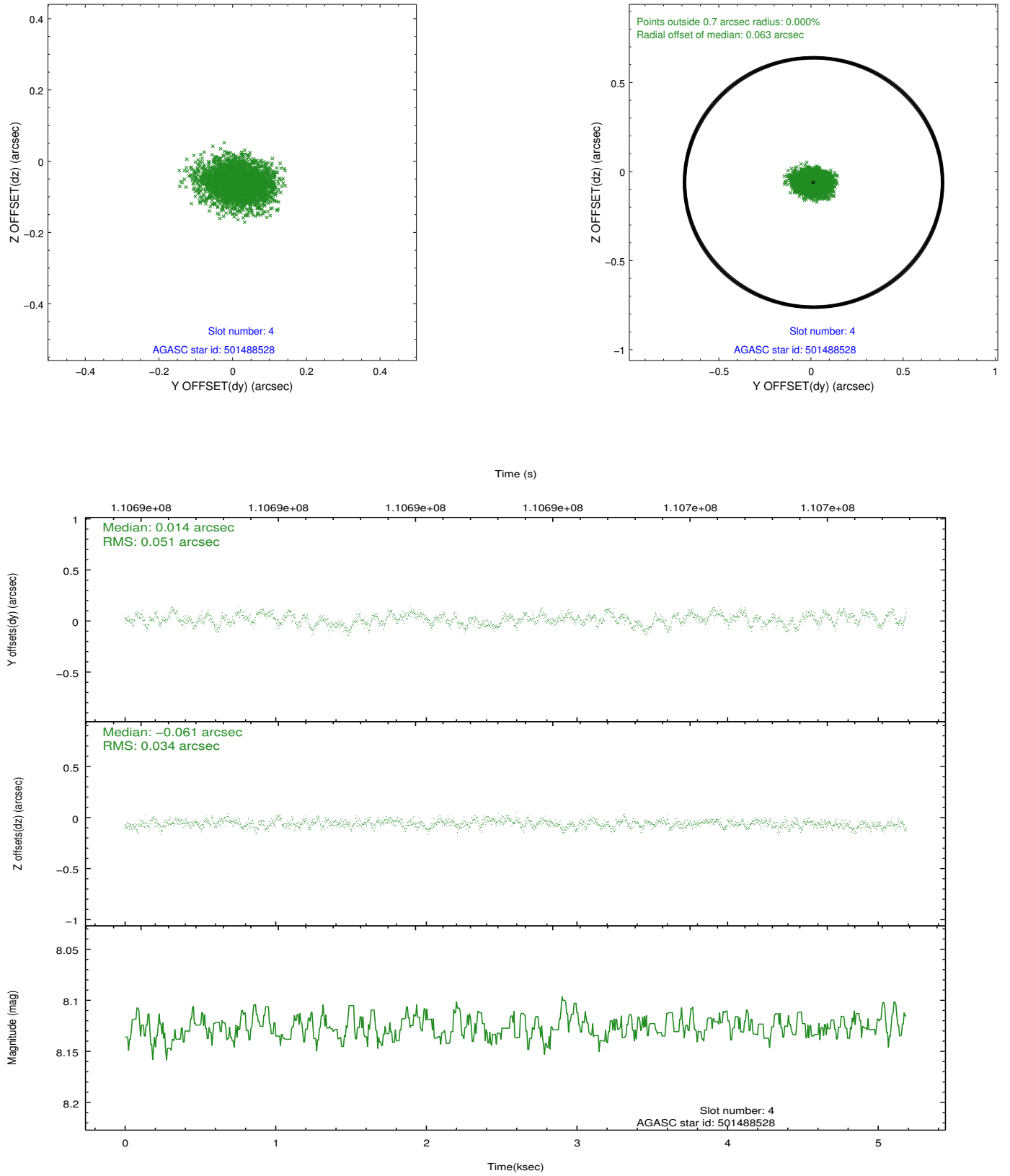
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1266	-0.035	-0.080	0.009	0.017	0.000000	0.000000	-755.77	-836.68
1	FID	ACIS-I-4	7.18	1266	-0.043	0.050	0.005	0.010	0.000000	0.000000	2157.73	1069.07
2	FID	ACIS-I-5	7.23	1266	-0.023	0.100	0.009	0.015	0.000000	0.000000	-1808.11	1068.25
3	GUIDE	501875376	6.73	2533	0.039	0.016	0.046	0.078	164.111621	57.502963	2302.60	2230.56
4	GUIDE	501488528	8.13	2532	0.014	-0.061	0.066	0.105	162.150935	57.312270	2033.97	-1622.89
5	GUIDE	501876472	8.99	2533	-0.008	-0.000	0.084	0.134	163.621724	57.867447	806.10	1622.21
6	GUIDE	501875064	9.12	2533	-0.035	-0.017	0.071	0.115	163.017696	58.369846	-1227.98	949.03
7	GUIDE	501877264	9.30	2530	-0.010	0.062	0.068	0.112	163.254394	57.702218	1211.76	795.74

2.4 Star Slots

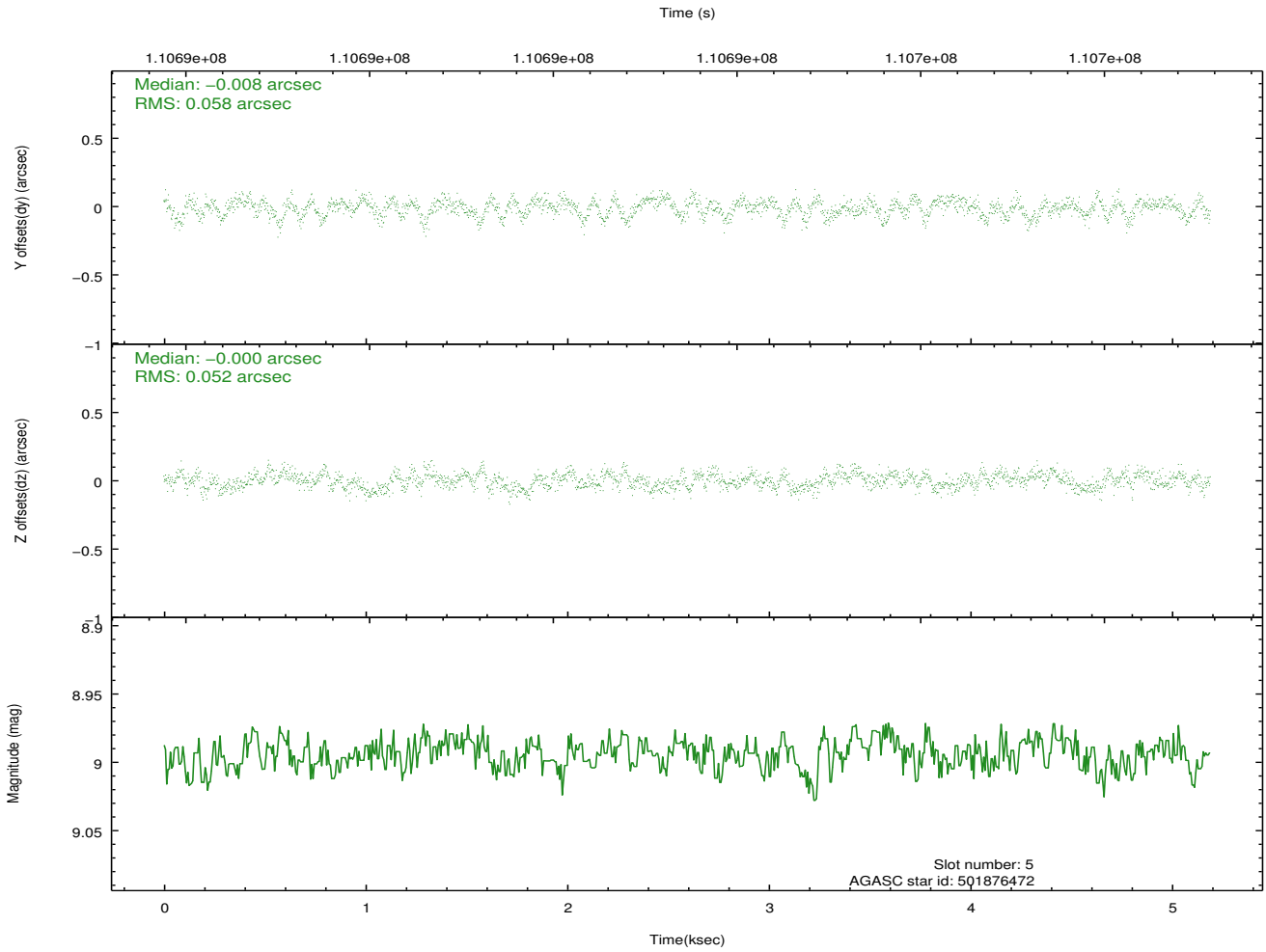
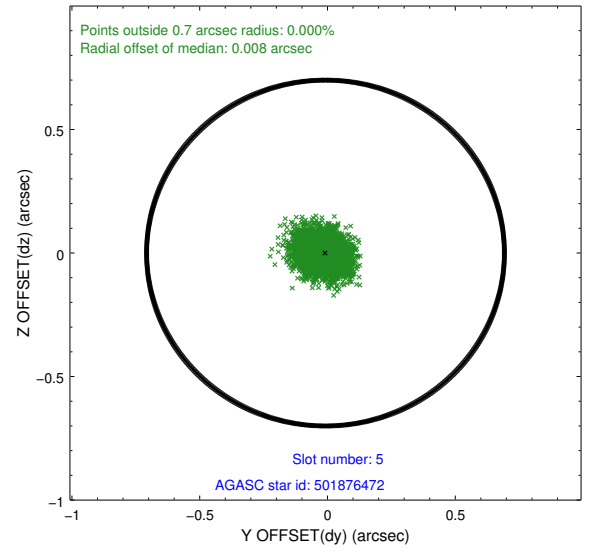
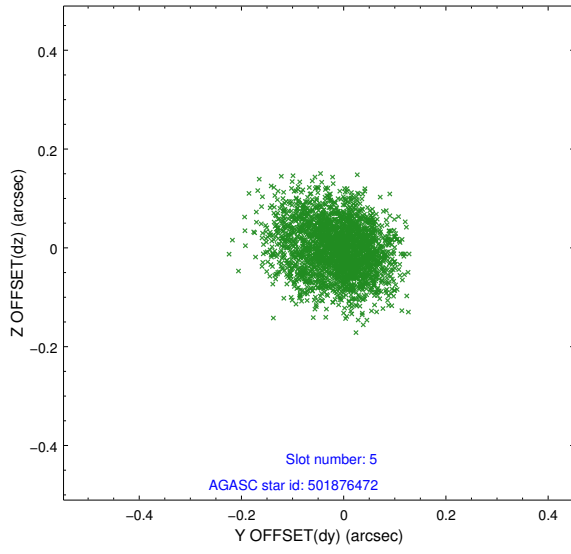
2.4.1 Slot 3



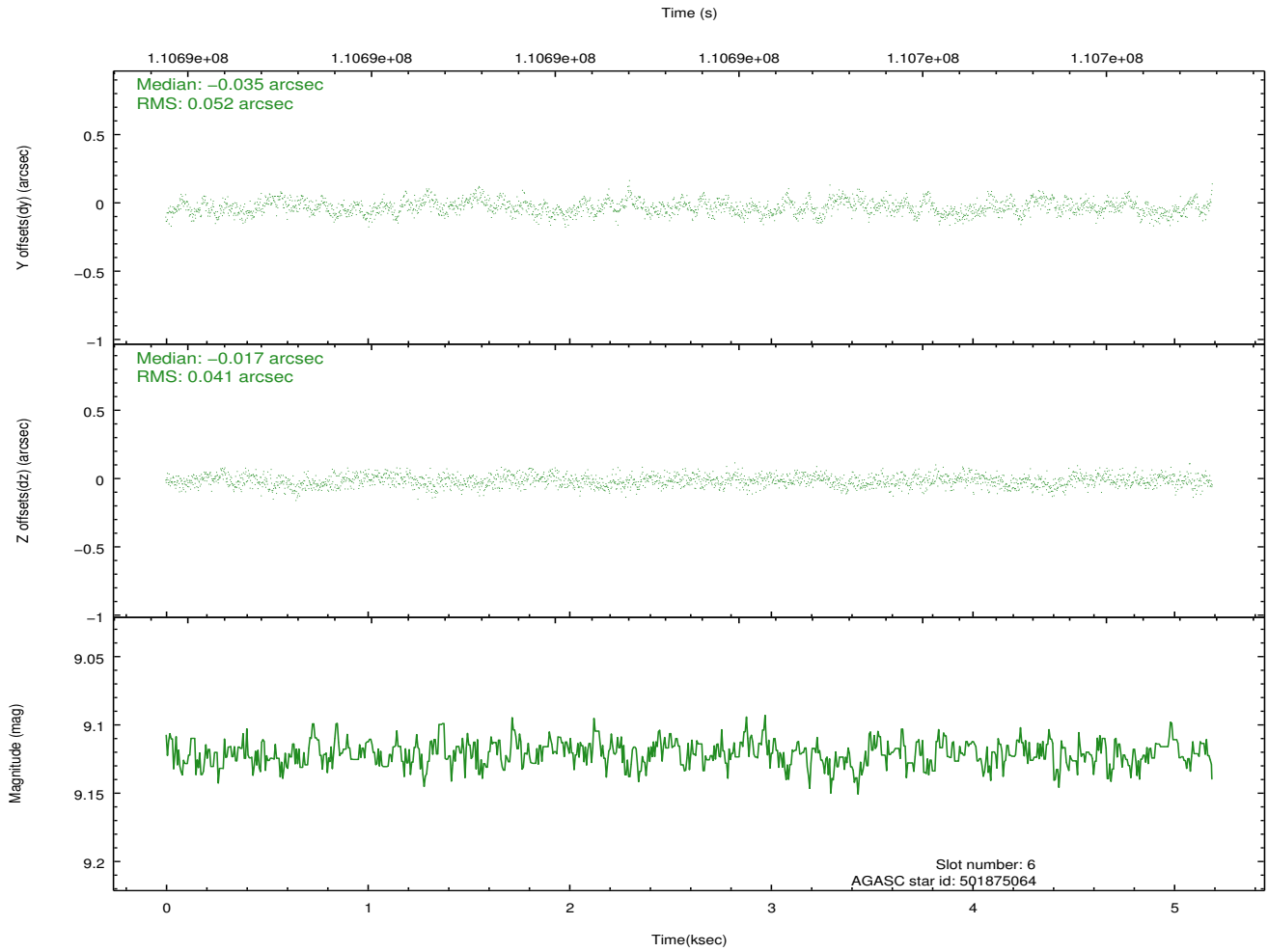
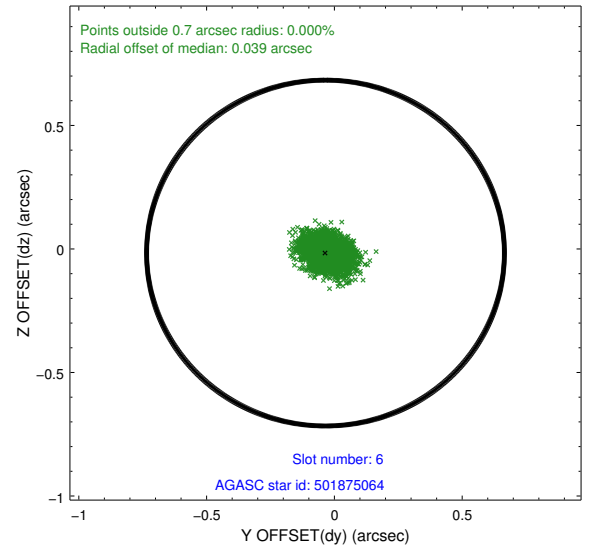
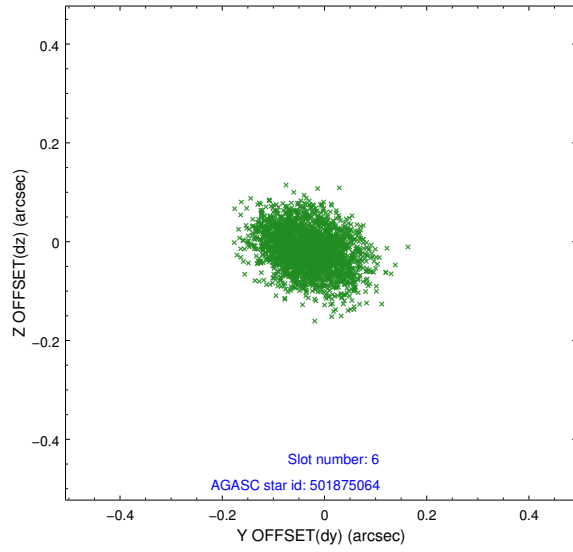
2.4.2 Slot 4



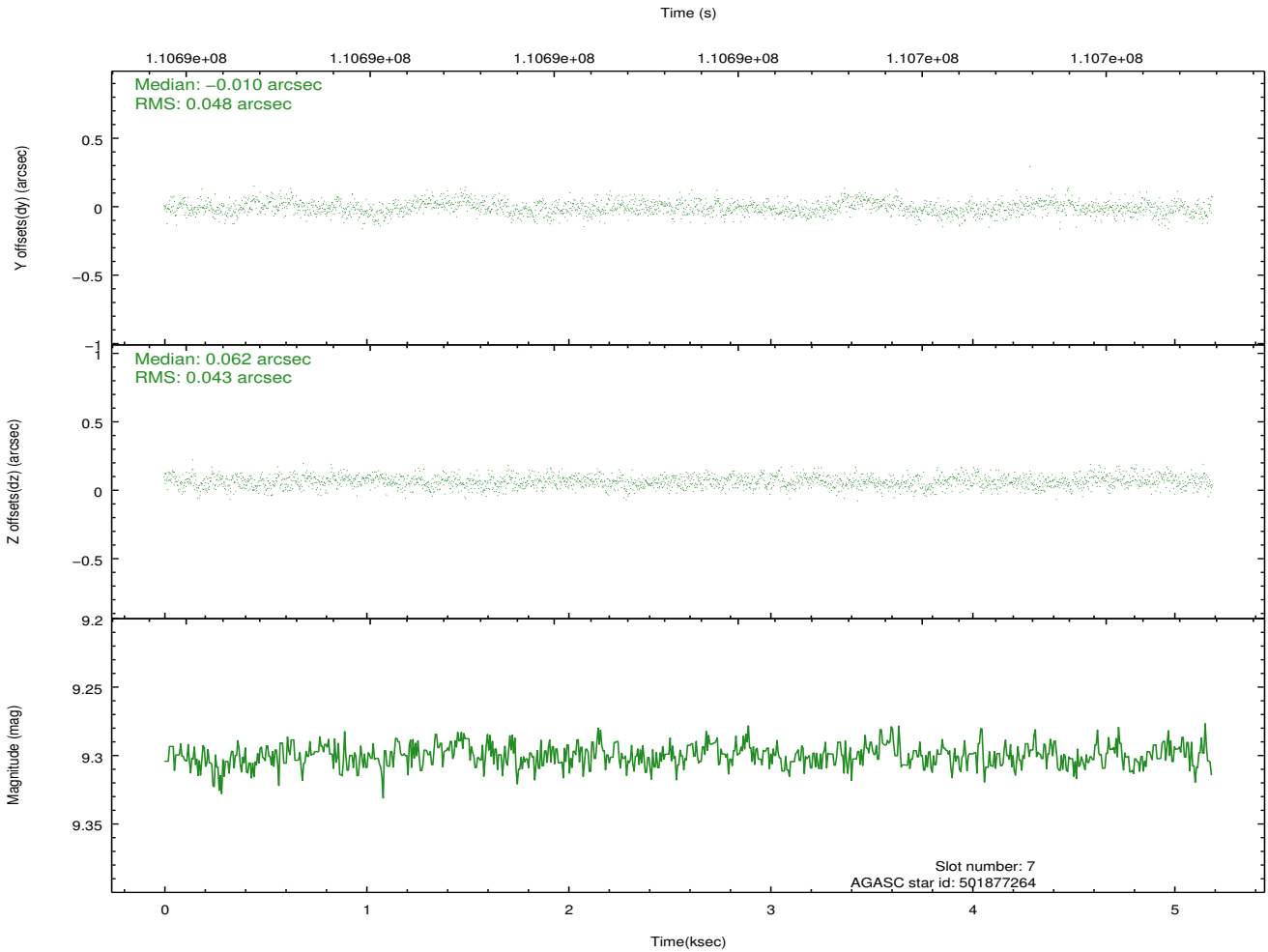
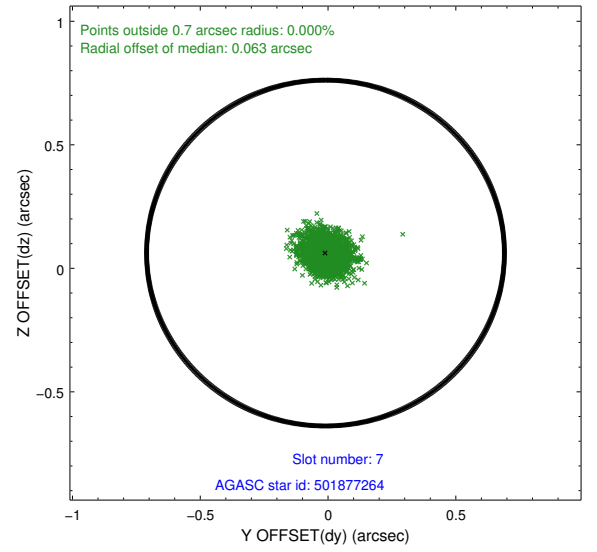
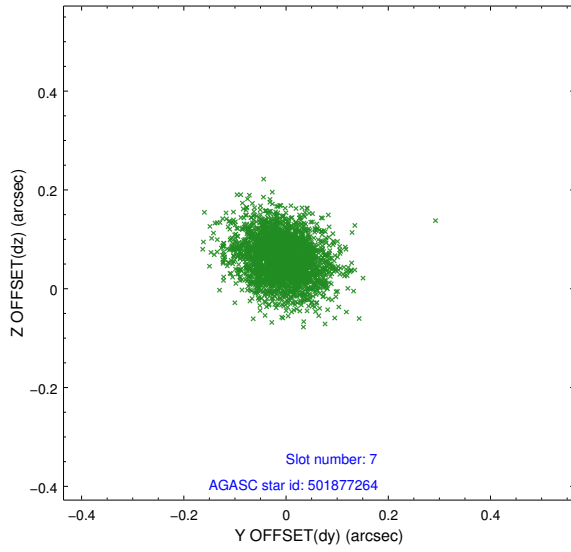
2.4.3 Slot 5



2.4.4 Slot 6

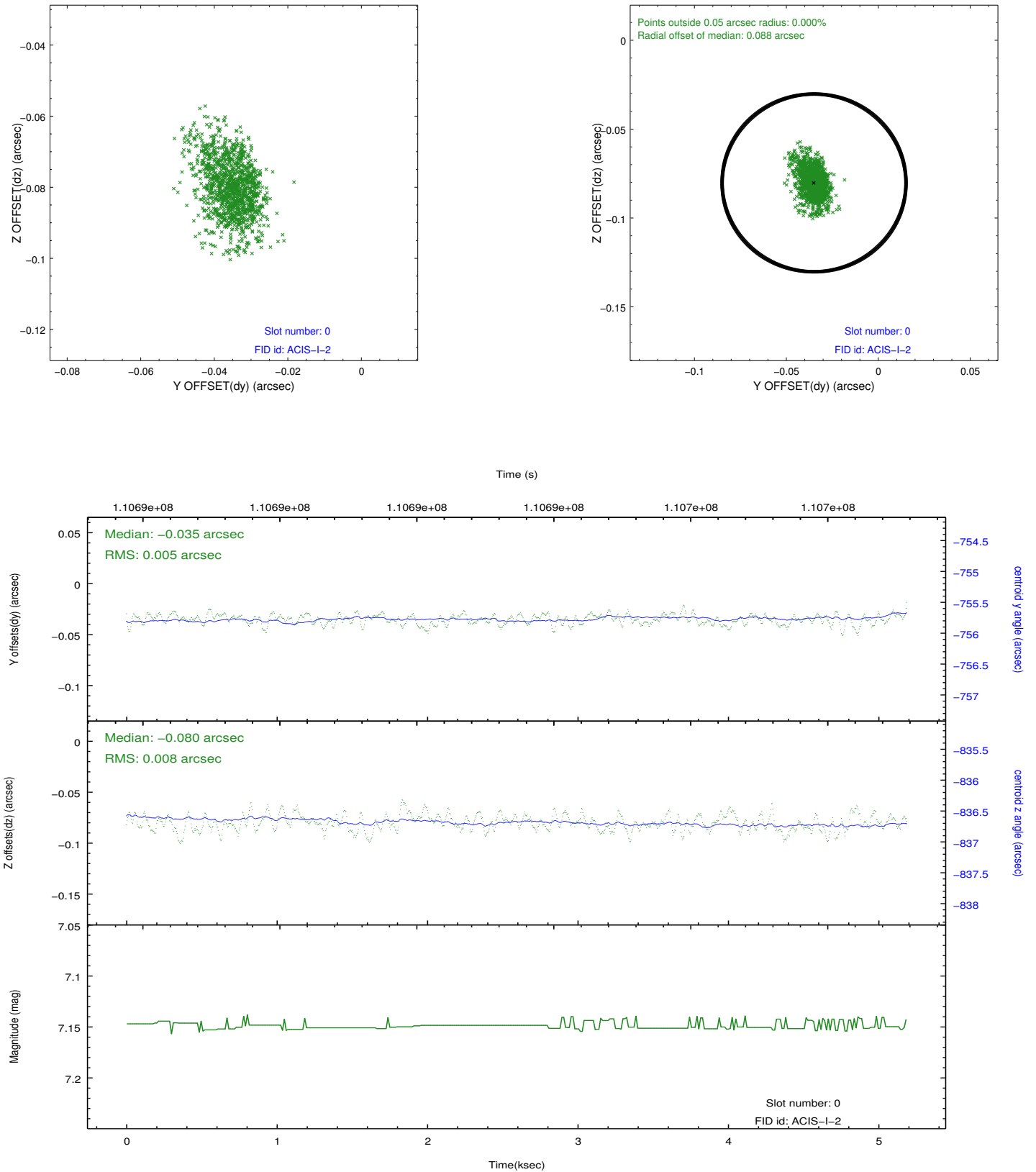


2.4.5 Slot 7

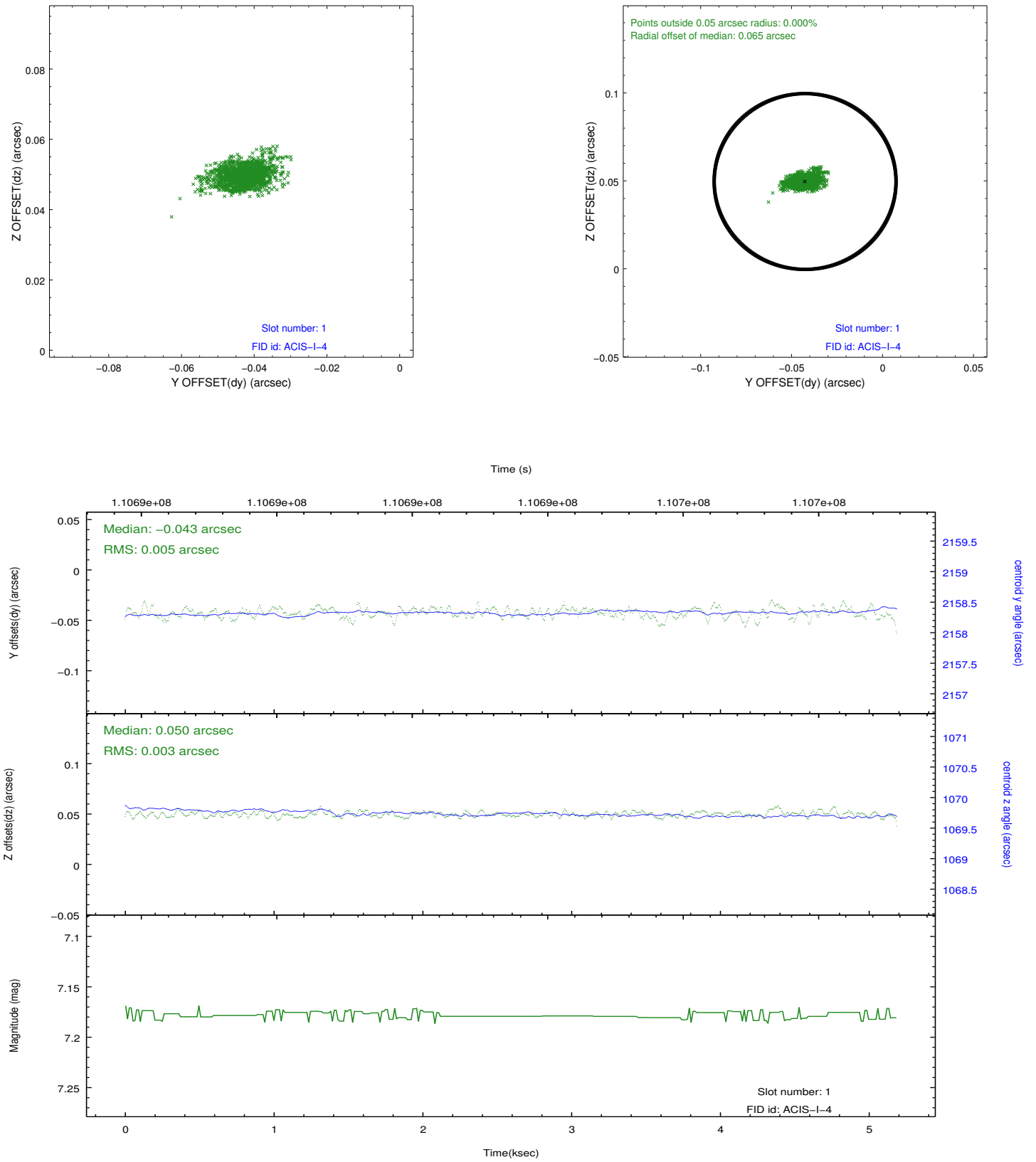


2.5 FID Slots

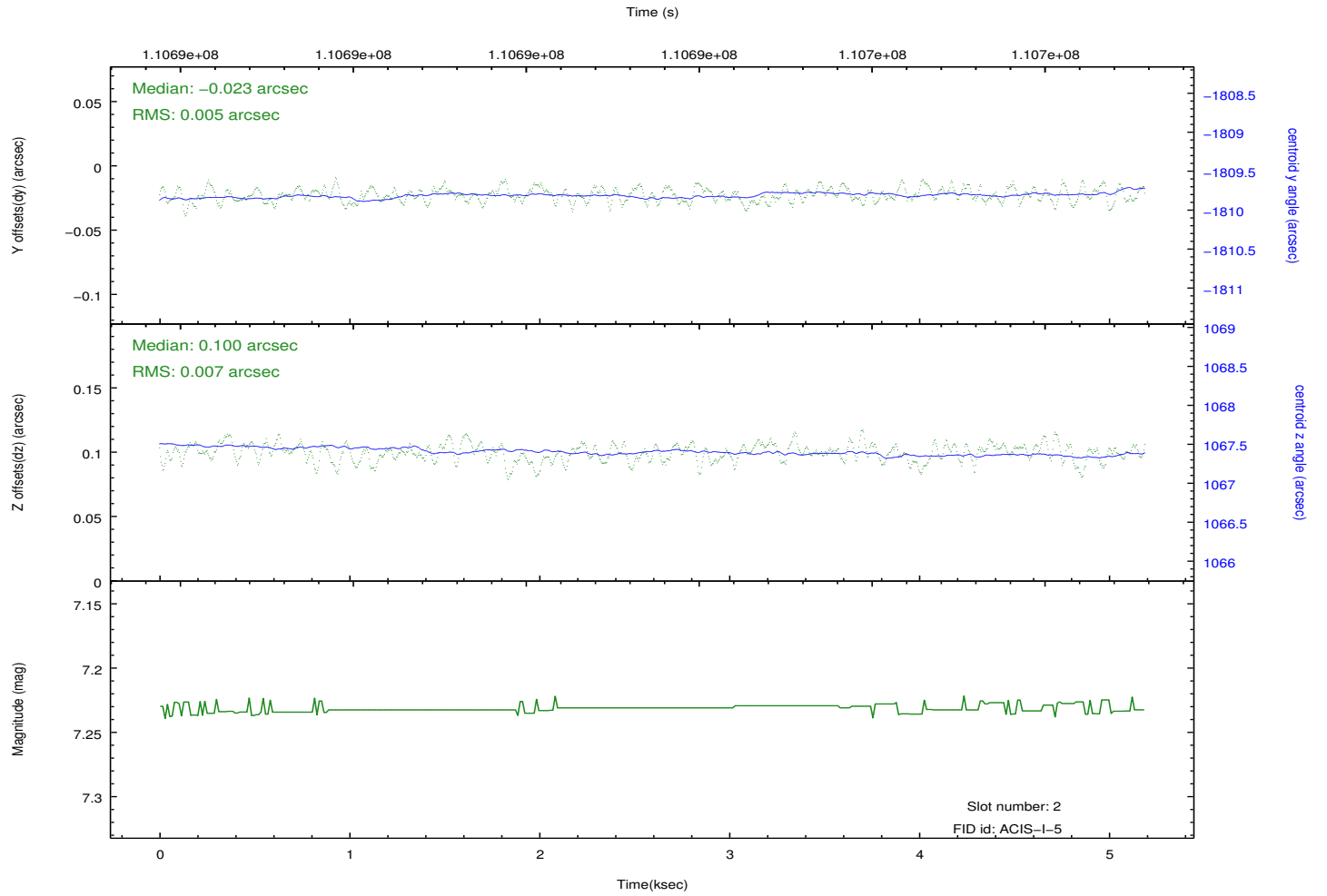
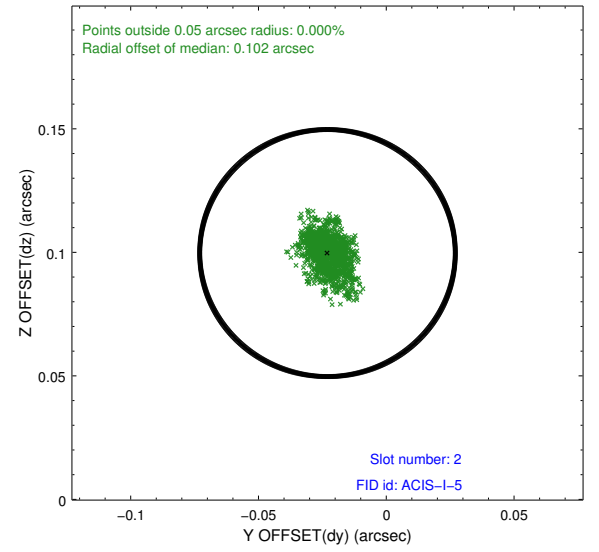
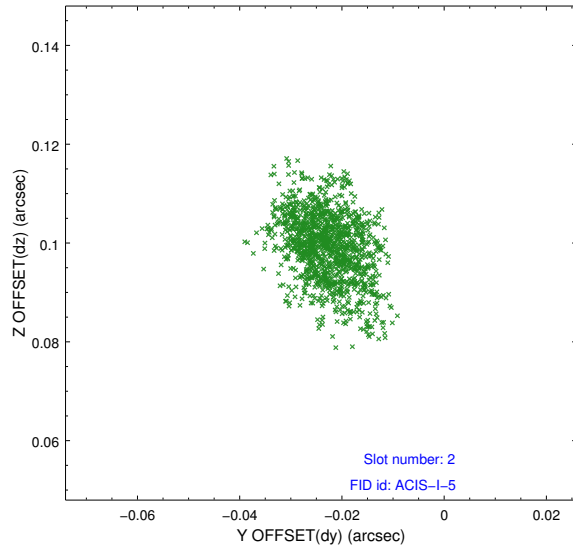
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.761

A.2 Comments