

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1681 - L2 Version 3
Chandra X-Ray Center

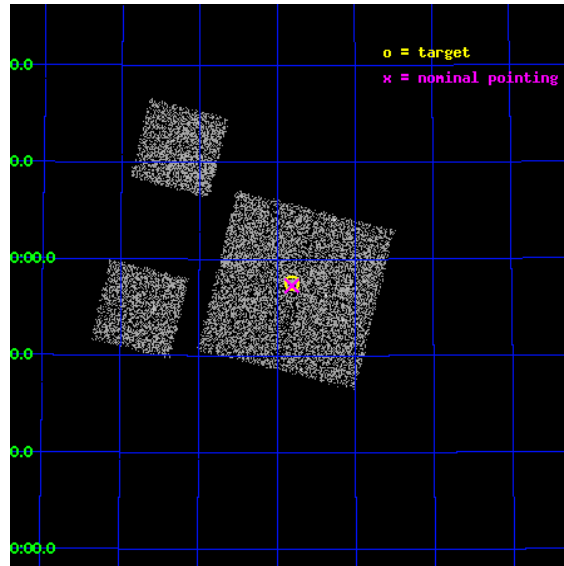
L2 Processing Date : Sep 20 2012

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1 Front

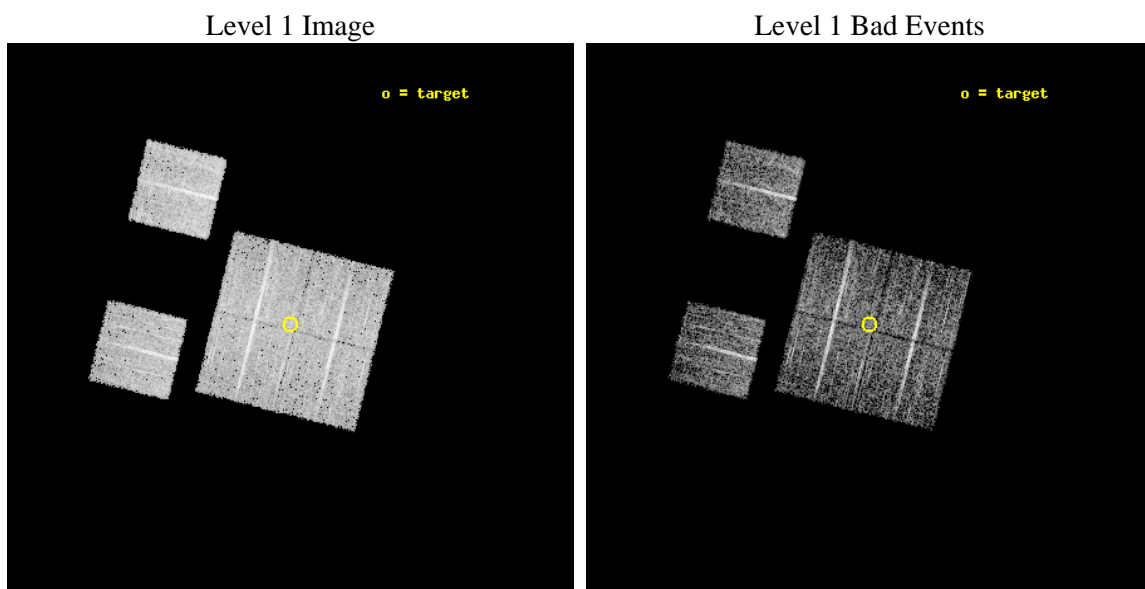
seq_num	900040	Sequence number
obs_id	1681	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.204167	Observer's specified target RA [deg]
dec_targ	56.958889	Observer's specified target Dec [deg]
ra_nom	163.20273441205	Nominal RA [deg]
dec_nom	56.954220411088	Nominal Dec [deg]
roll_nom	283.9867576325	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4758.4000044167	Sum of GTIs [s]
livetime	4698.1462783963	Livetime [s]
ontime0	4758.4000044167	Sum of GTIs [s]
ontime1	4758.4000044167	Sum of GTIs [s]
ontime2	4758.4000044167	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	18160	Number of level 2 events



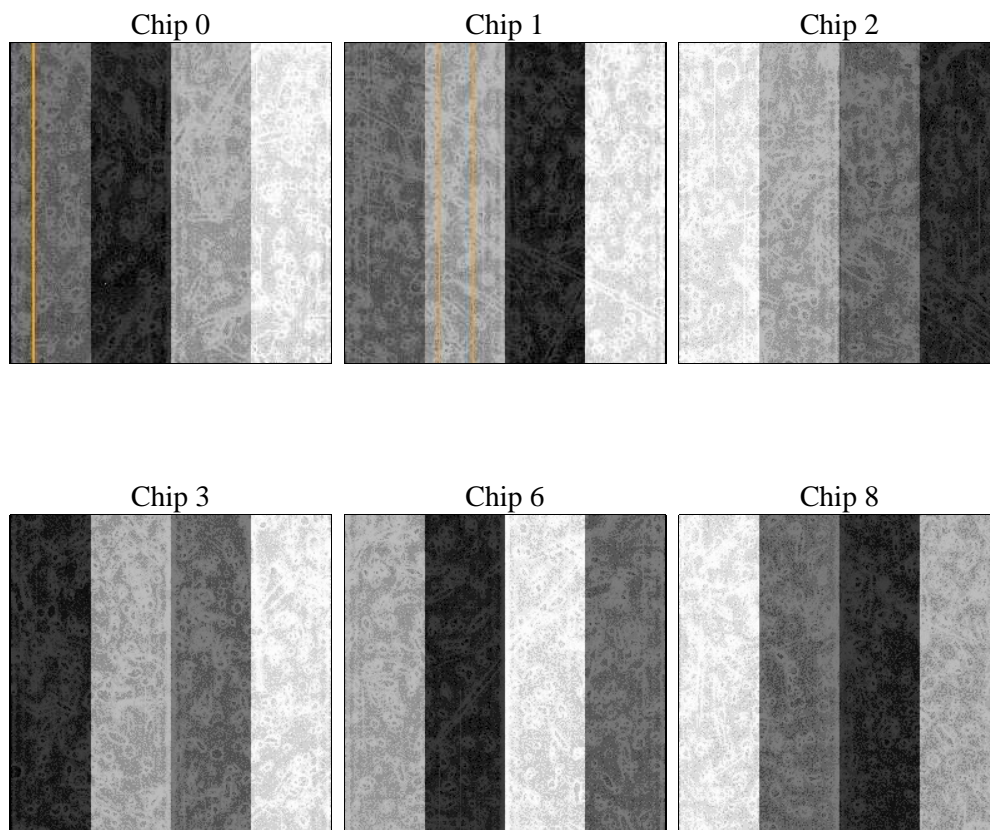
2 OBI

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	4758.4000044167	Sum of GTIs [s]
date	2012-09-20T12:43:49	Date and time of file creation	ontime1	4758.4000044167	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4758.4000044167	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	189752	Number of level 1 events

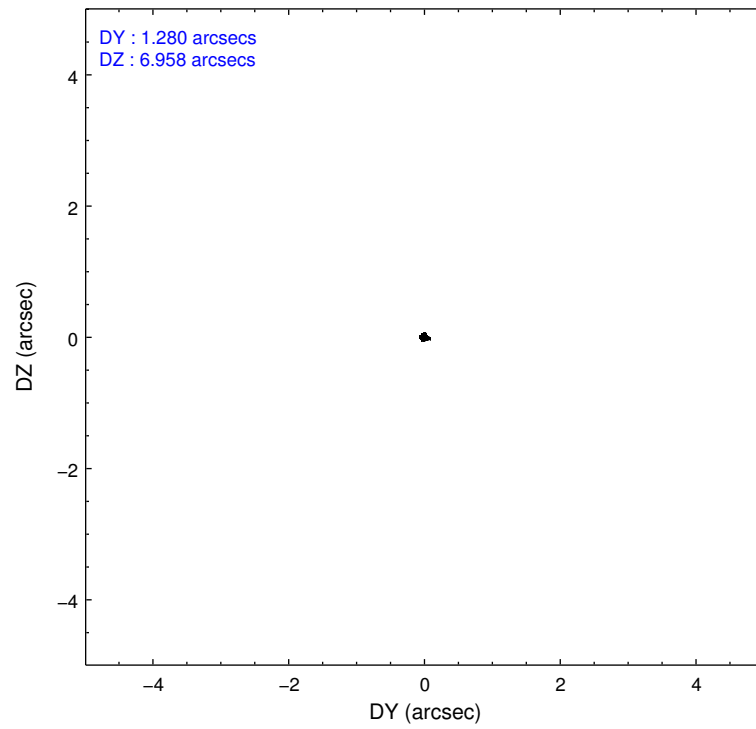
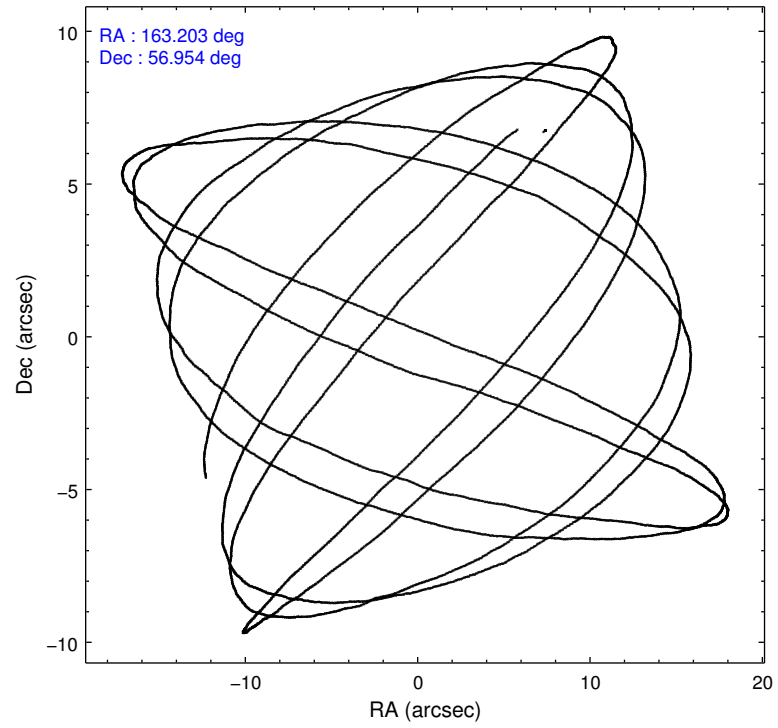
2.1.4 Events

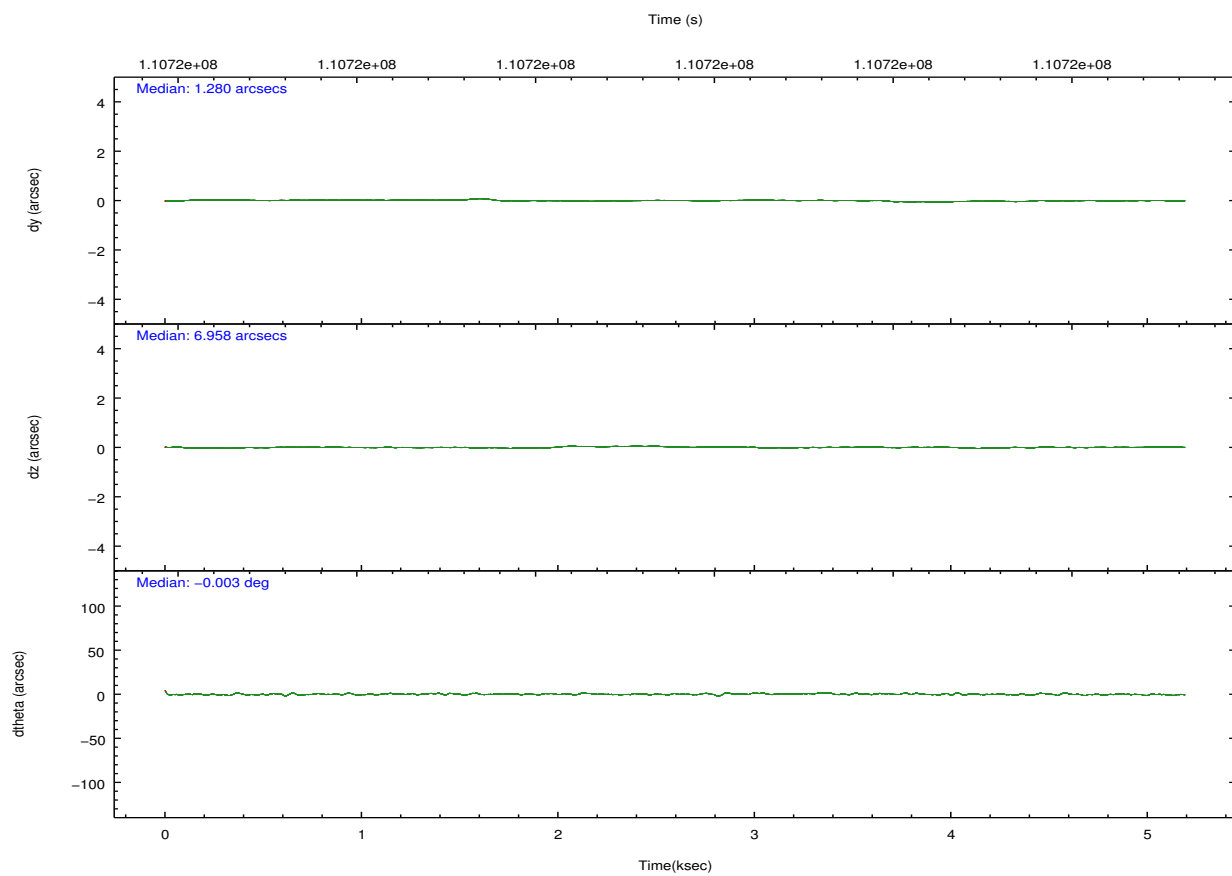
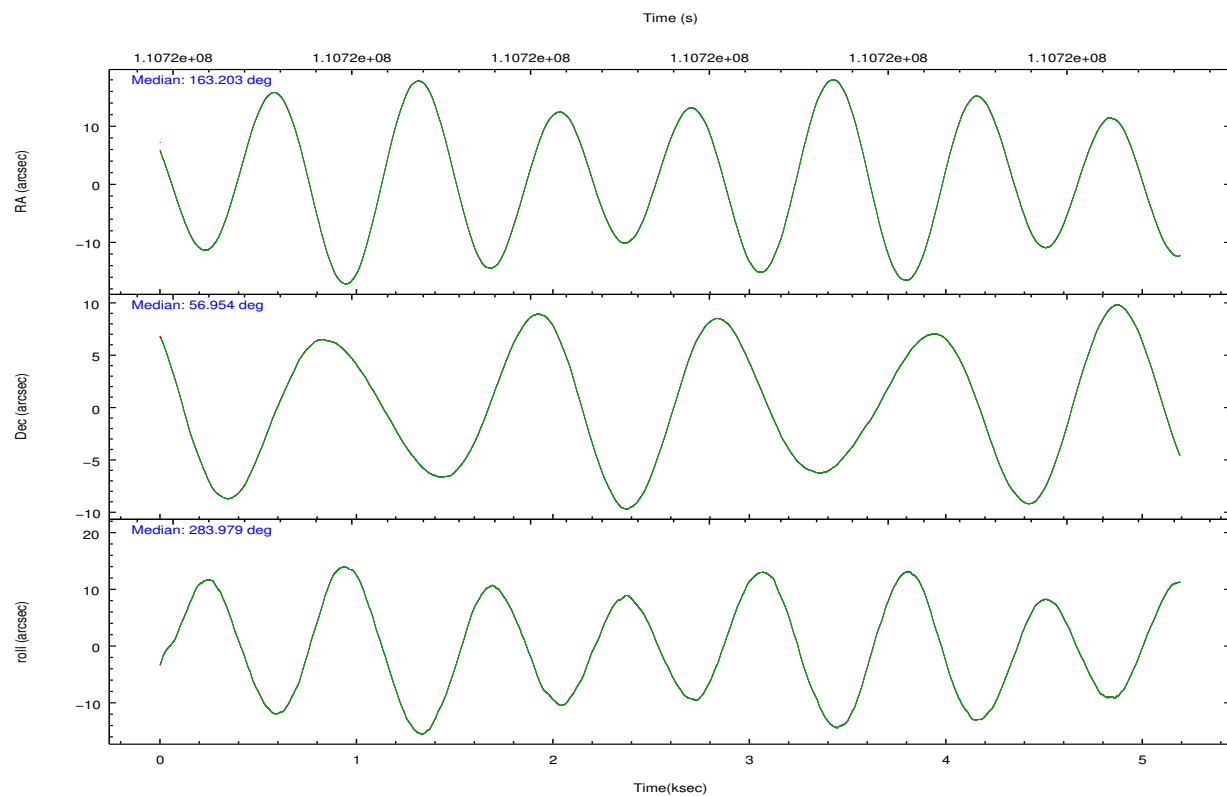
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	28157	29106	30042	31201	31275	39971	grade 0 events	1544	1536	1460	1450	1340	2379
rejected events	24523	25306	26599	27802	27934	32448		5%	5%	4%	4%	4%	5%
rejected %	87%	86%	88%	89%	89%	81%	grade 1 events	19	15	10	12	14	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	766	743	758	701	675	1563
								2%	2%	2%	2%	2%	3%
							grade 3 events	351	419	339	284	330	880
								1%	1%	1%	0%	1%	2%
							grade 4 events	347	399	310	367	339	804
								1%	1%	1%	1%	1%	2%
							grade 5 events	1052	1219	1063	1267	1338	1608
								3%	4%	3%	4%	4%	4%
							grade 6 events	632	708	581	603	662	1902
								2%	2%	1%	1%	2%	4%
							grade 7 events	23446	24067	25521	26517	26577	30809
								83%	82%	84%	84%	84%	77%

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	163.167808	163.2027344120528	Subarray requested	NONE	NONE
[deg] Pointing Dec	56.973931	56.95422041108837	Alternating exposures requested	N	N
[deg] Pointing Roll	283.807369	283.9867576325024	[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)	110719375.184000	110718999.19676			
Observation start date	2001-07-05T11:21:51	2001-07-05T11:16:39			
[s] Observation end time (MET)	110724375.184000	110724509.59697			
Observation end date	2001-07-05T12:45:11	2001-07-05T12:48:29			
Read mode	TIMED	TIMED			

2.3 Aspect



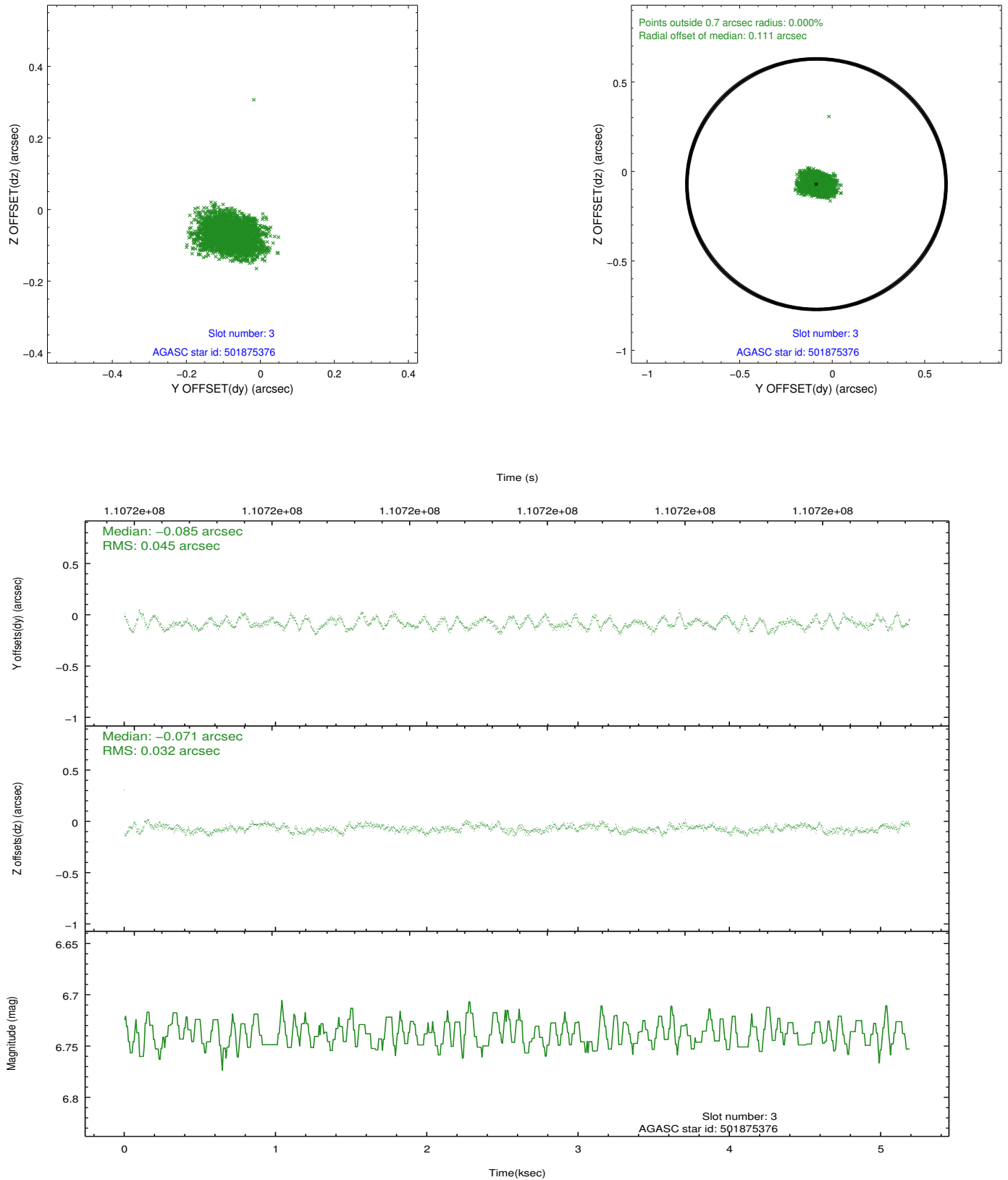


Slot Statistics

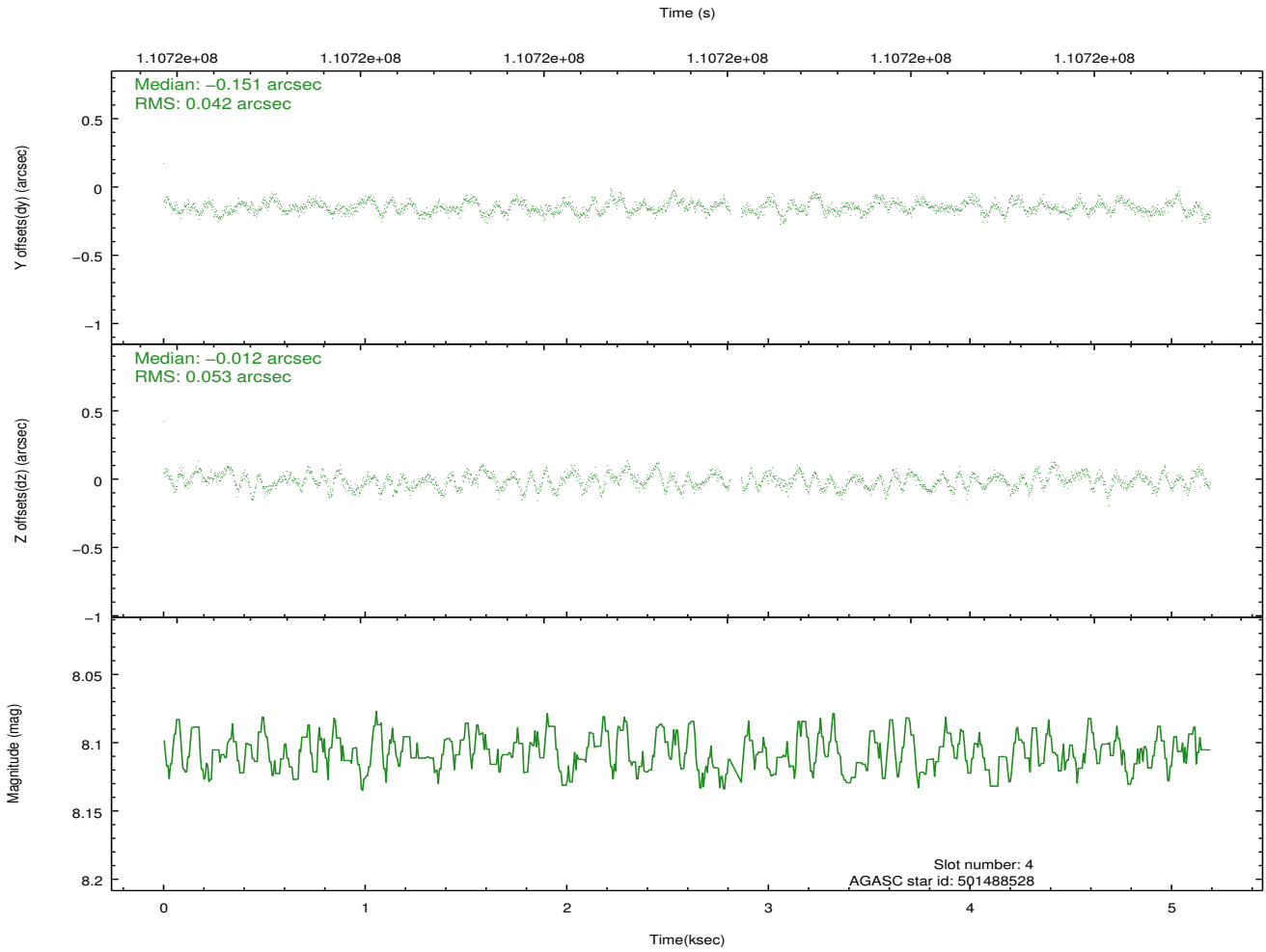
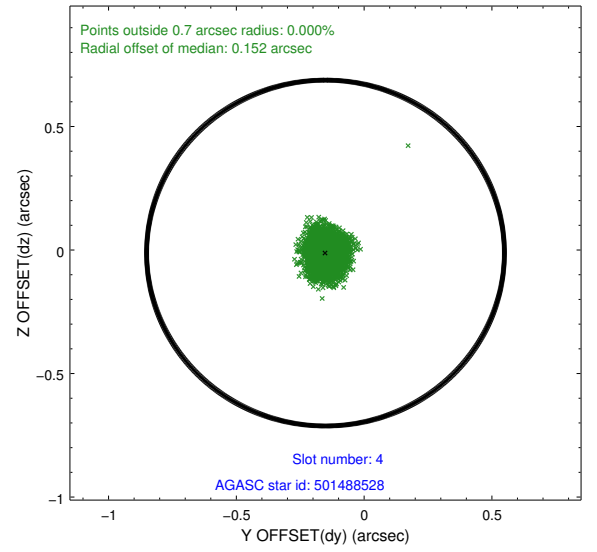
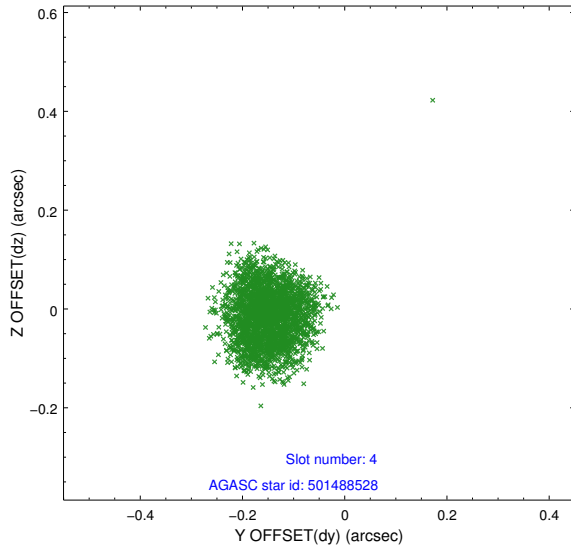
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1267	-0.037	-0.069	0.009	0.015	0.000000	0.000000	-755.64	-836.79
1	FID	ACIS-I-4	7.18	1267	-0.049	0.047	0.006	0.010	0.000000	0.000000	2157.86	1068.94
2	FID	ACIS-I-5	7.23	1267	-0.016	0.090	0.009	0.014	0.000000	0.000000	-1807.96	1068.12
3	GUIDE	501875376	6.74	2533	-0.085	-0.071	0.059	0.093	164.111621	57.502963	-1426.55	2230.11
4	GUIDE	501488528	8.11	2505	-0.151	-0.012	0.073	0.111	162.150935	57.312270	-1669.55	-1624.84
5	GUIDE	501486400	9.27	2531	0.012	-0.014	0.076	0.128	162.514901	56.545412	1182.40	-1625.35
6	GUIDE	501486512	9.60	2530	0.119	0.014	0.090	0.149	163.579075	56.729186	1047.58	578.67
7	GUIDE	501485952	9.85	2490	0.101	0.089	0.130	0.203	164.221789	56.630763	1682.37	1736.39

2.4 Star Slots

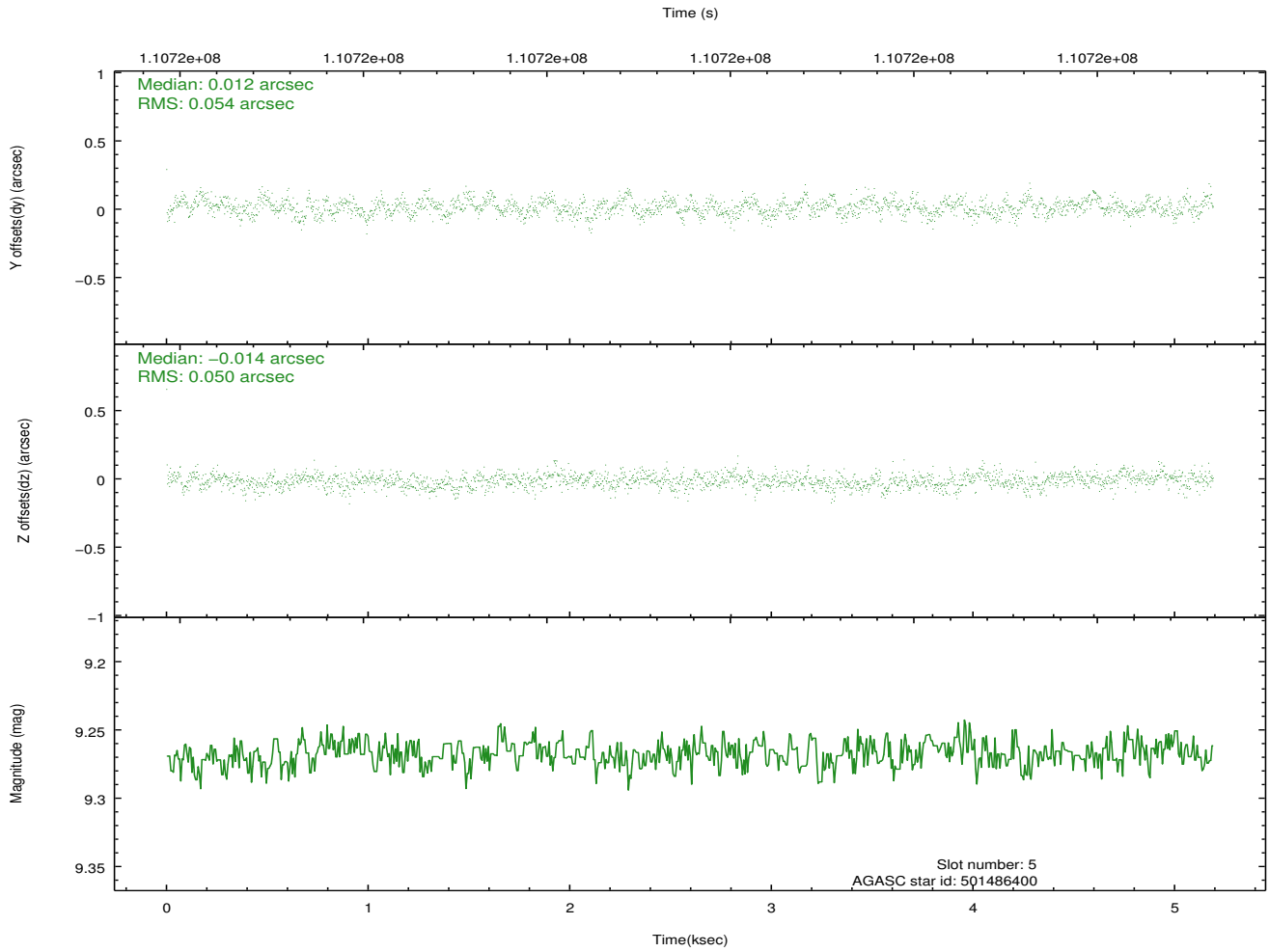
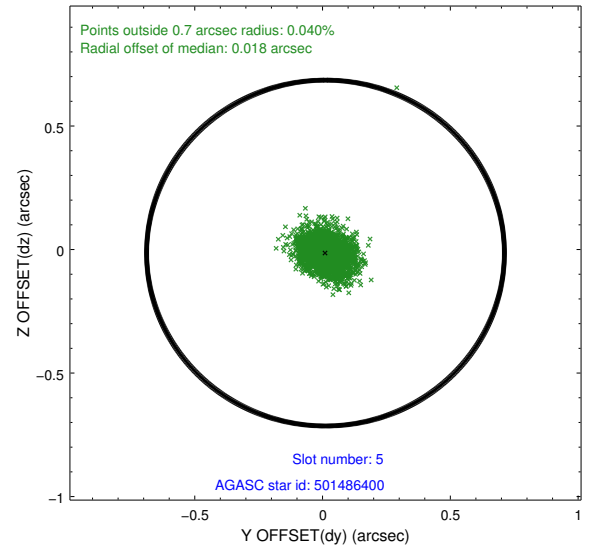
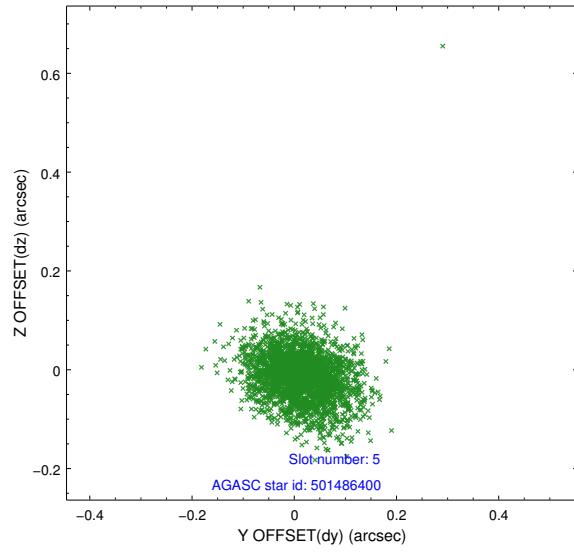
2.4.1 Slot 3



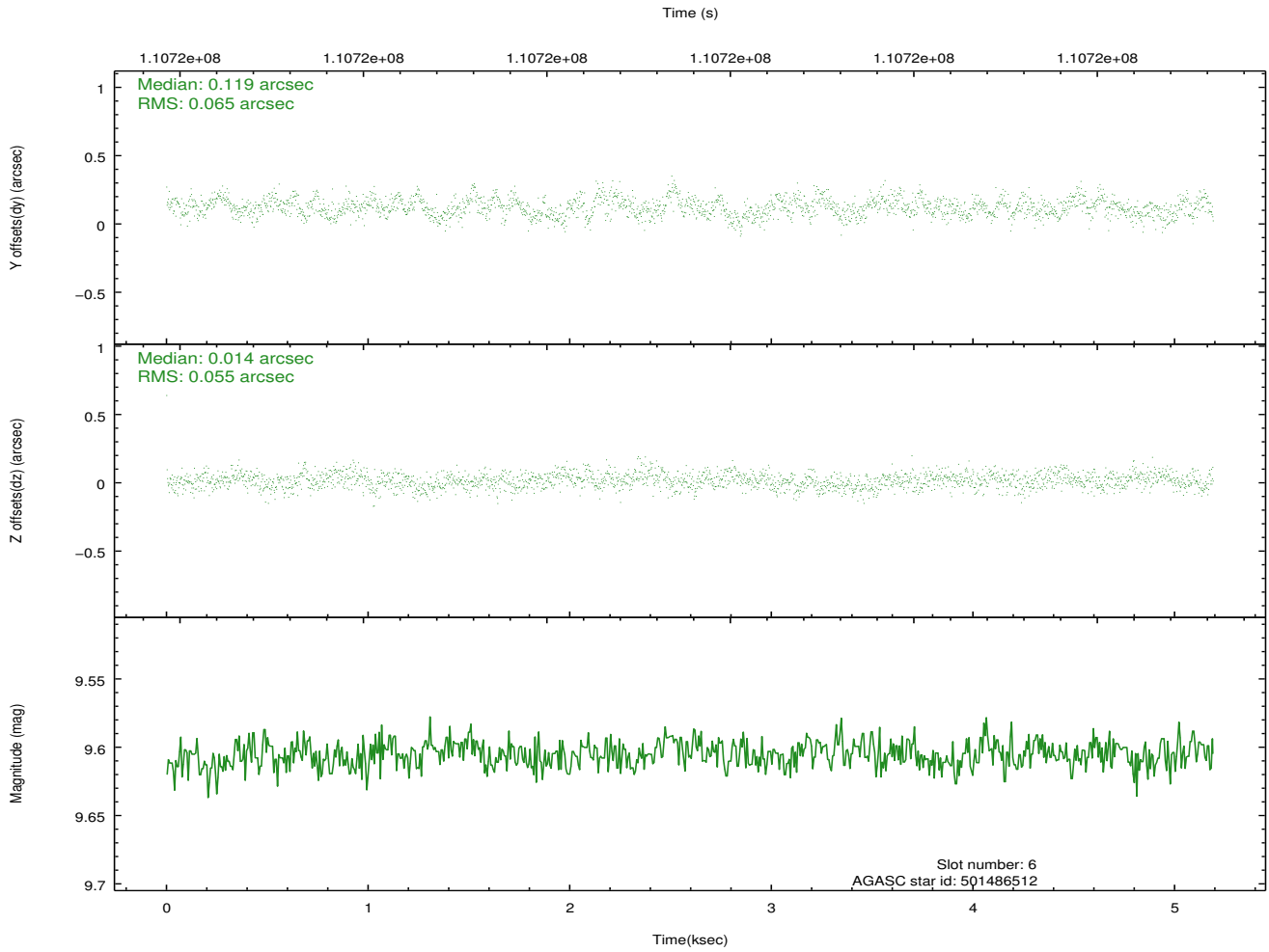
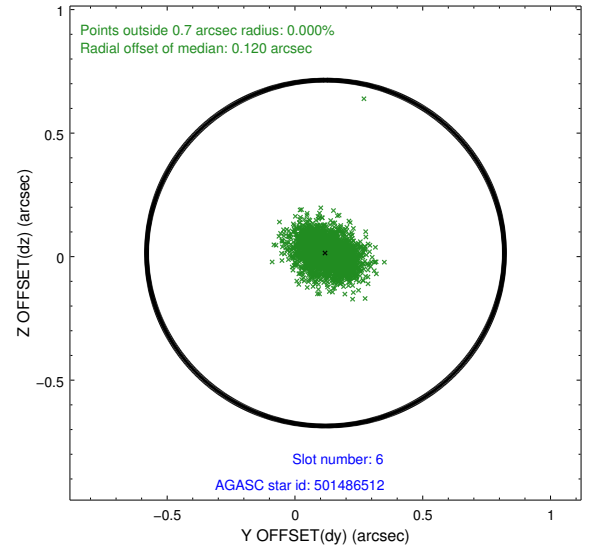
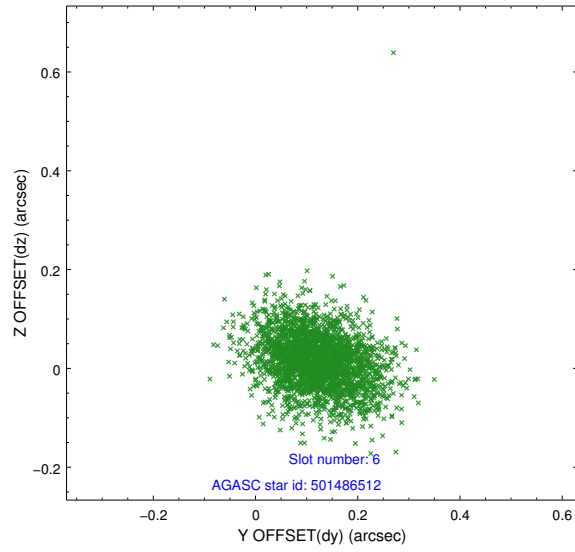
2.4.2 Slot 4



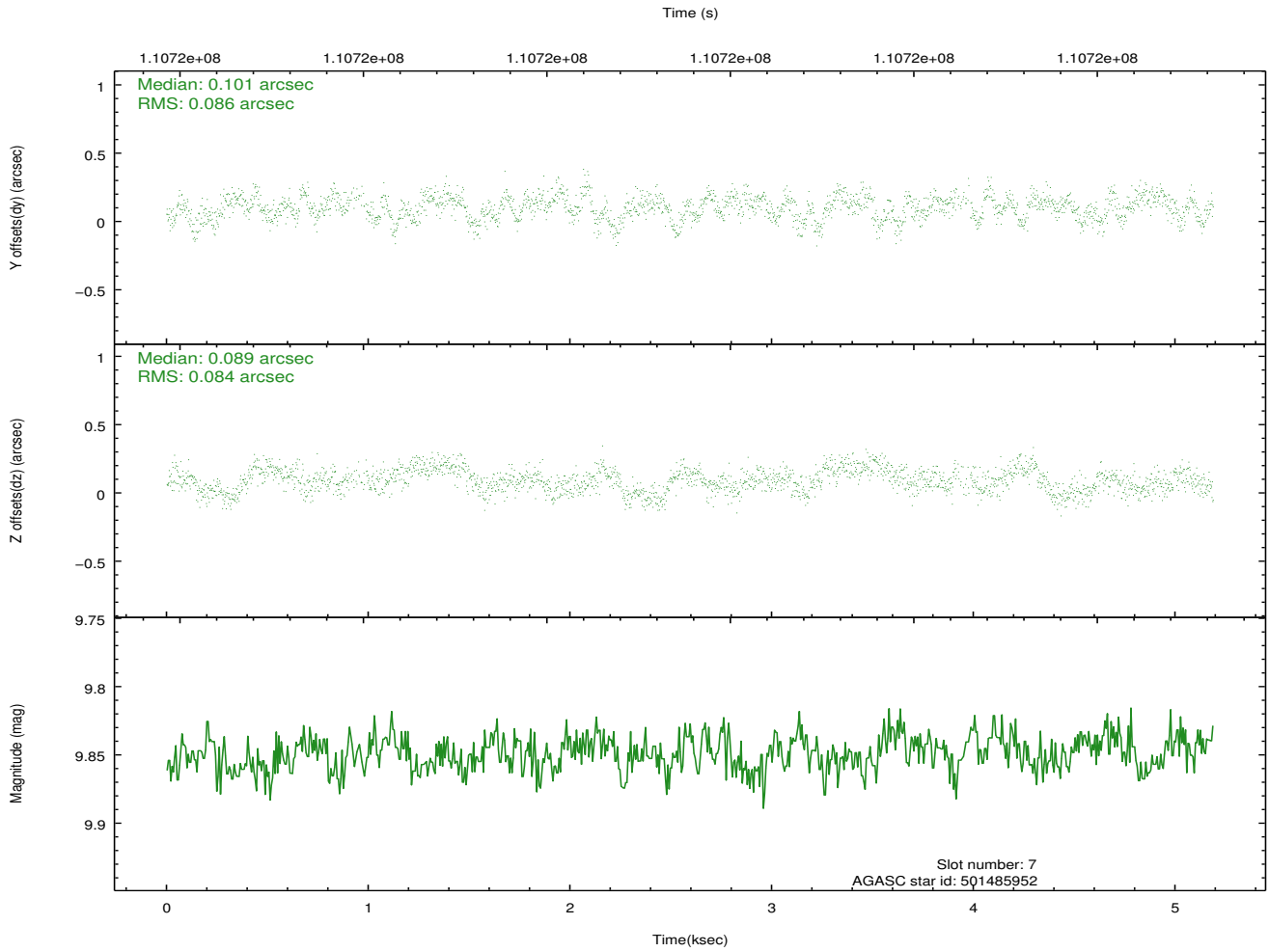
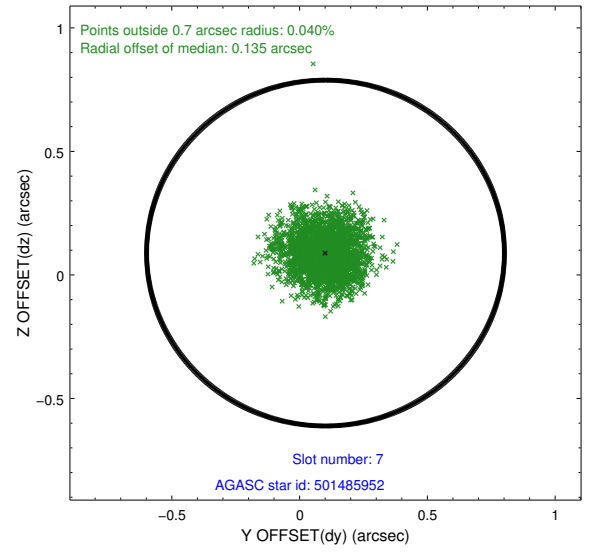
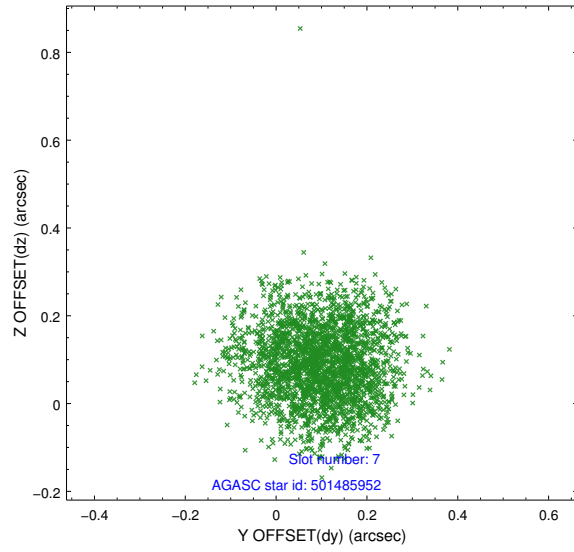
2.4.3 Slot 5



2.4.4 Slot 6

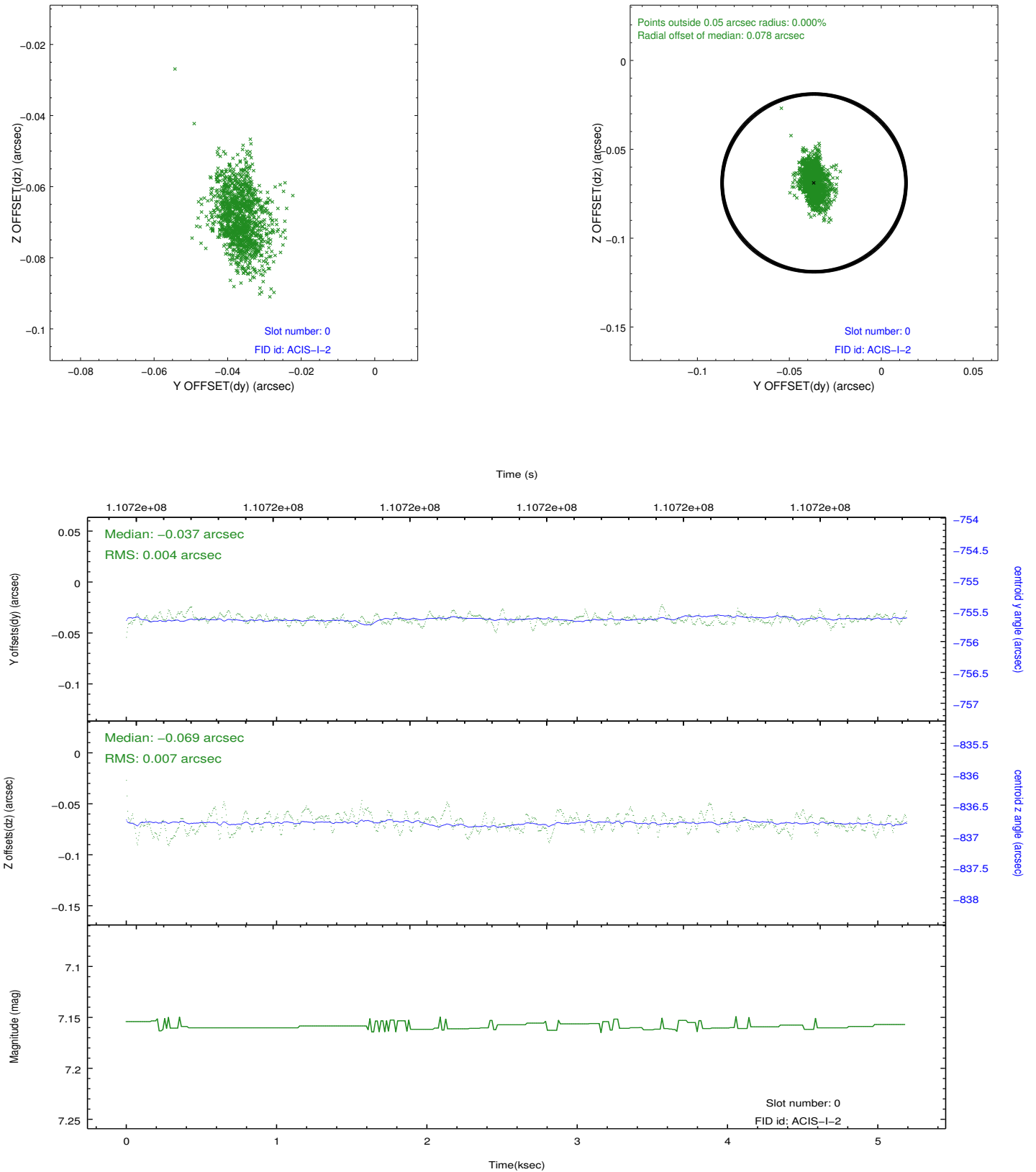


2.4.5 Slot 7

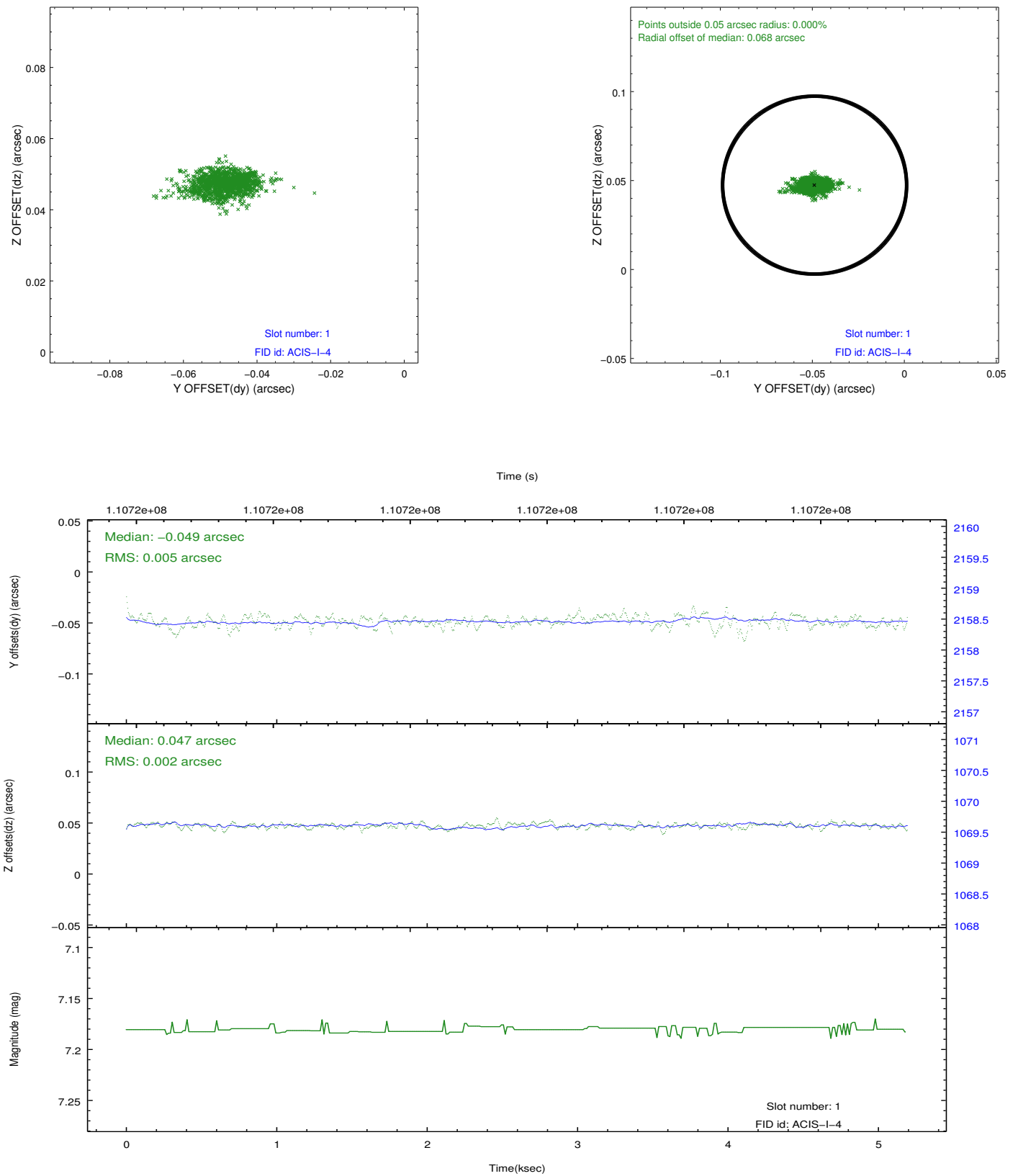


2.5 FID Slots

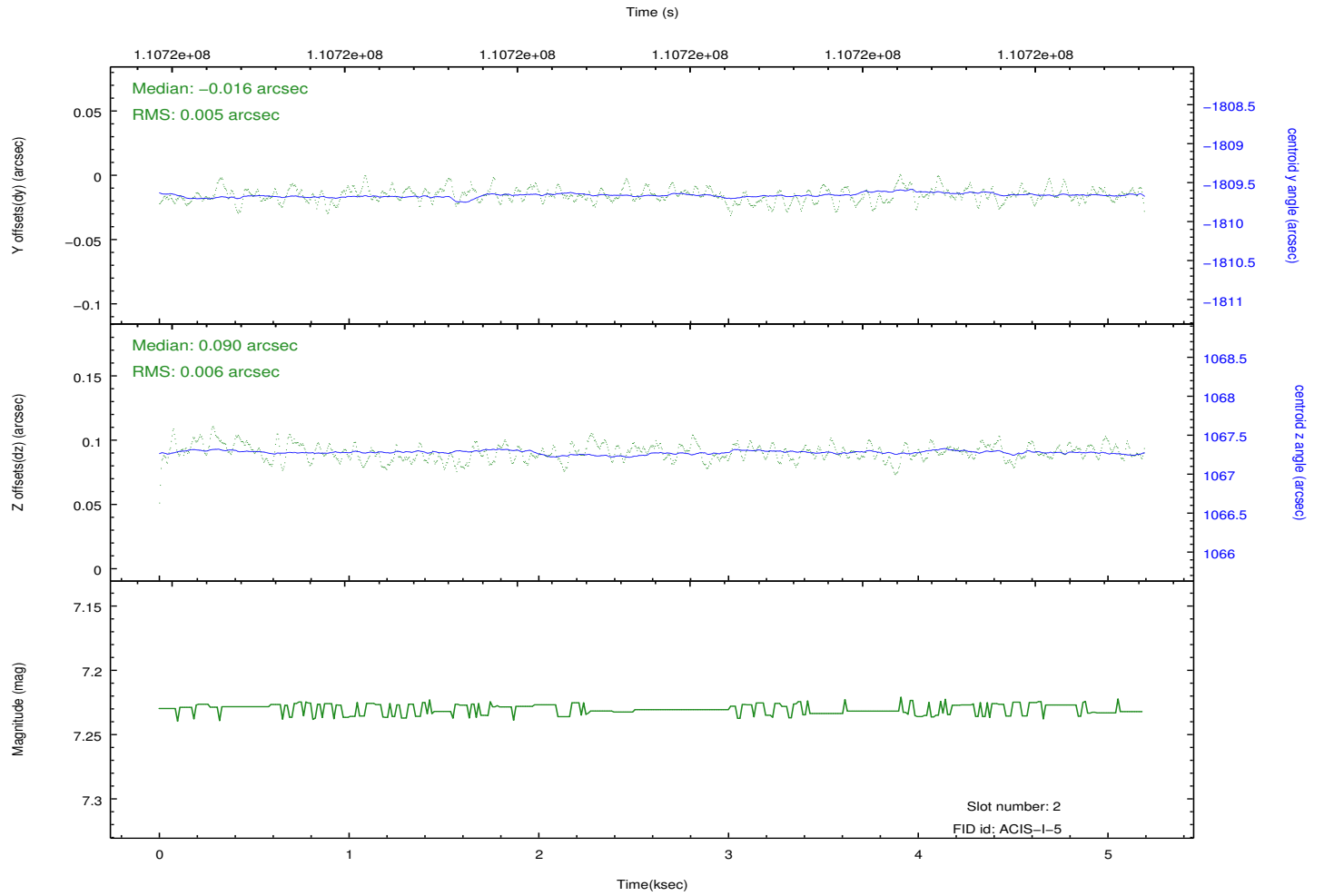
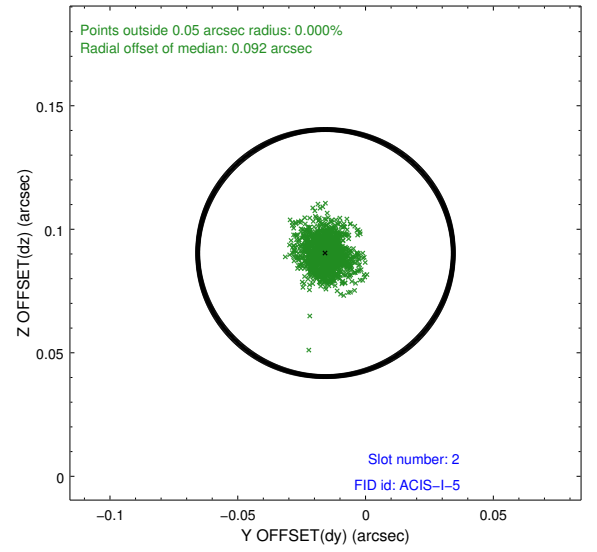
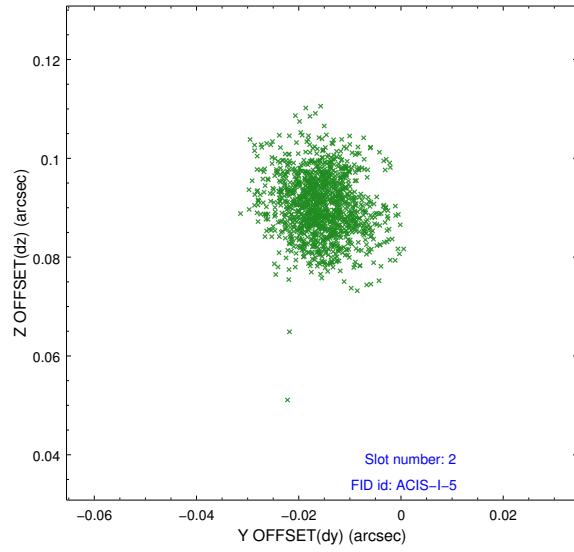
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8

A.2 Comments

Charge time for this ObsId remains at previous value of 4.8 ks although with the current processing the charge time would have been 4.76 ksec.