

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1673 - L2 Version 3
Chandra X-Ray Center

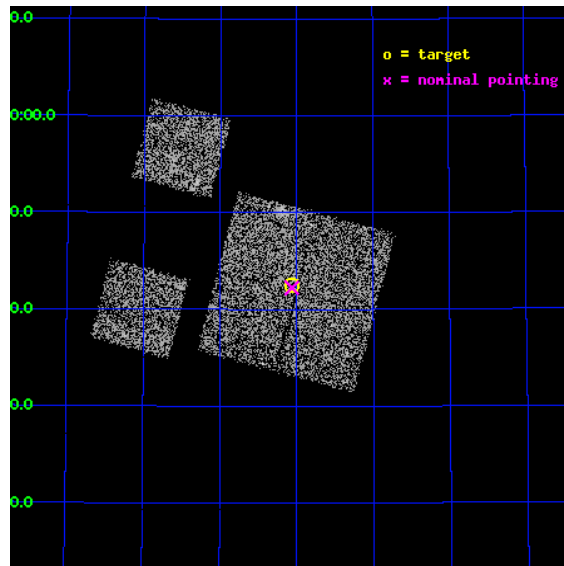
L2 Processing Date : Sep 20 2012

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1 Front

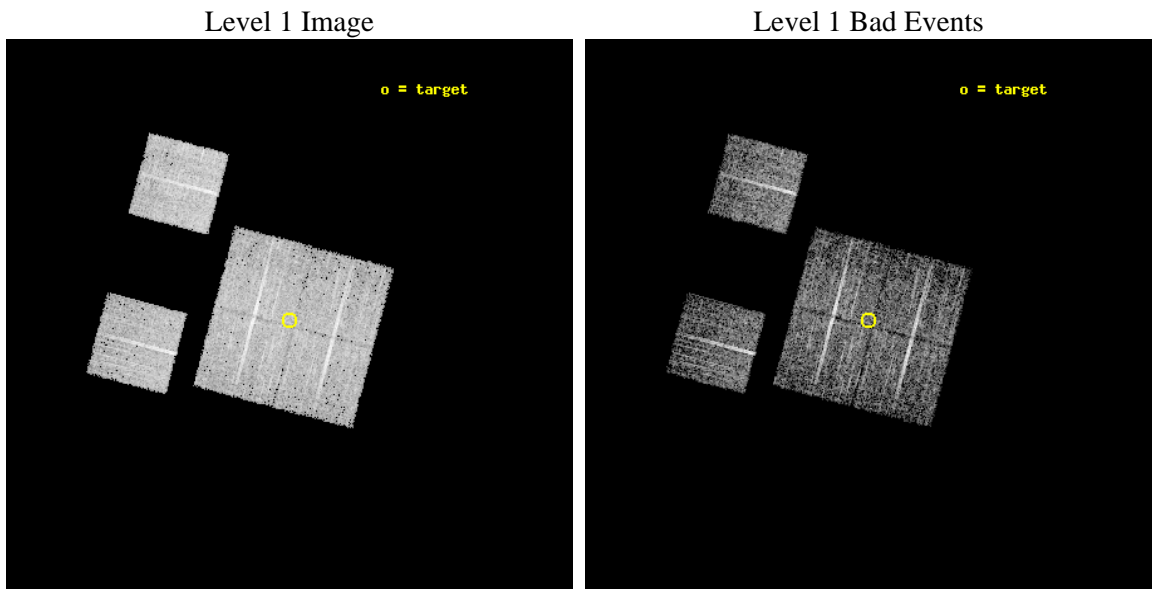
seq_num	900032	Sequence number
obs_id	1673	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #14	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.266667	Observer's specified target RA [deg]
dec_targ	57.708889	Observer's specified target Dec [deg]
ra_nom	162.26549668596	Nominal RA [deg]
dec_nom	57.704091873768	Nominal Dec [deg]
roll_nom	284.83431081729	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4960.0000046045	Sum of GTIs [s]
livetime	4897.1934979927	Livetime [s]
ontime0	4960.0000046045	Sum of GTIs [s]
ontime1	4960.0000046045	Sum of GTIs [s]
ontime2	4960.0000046045	Sum of GTIs [s]
ontime3	4960.0000046045	Sum of GTIs [s]
ontime6	4960.0000046045	Sum of GTIs [s]
ontime8	4960.0000046045	Sum of GTIs [s]
l2events	19404	Number of level 2 events



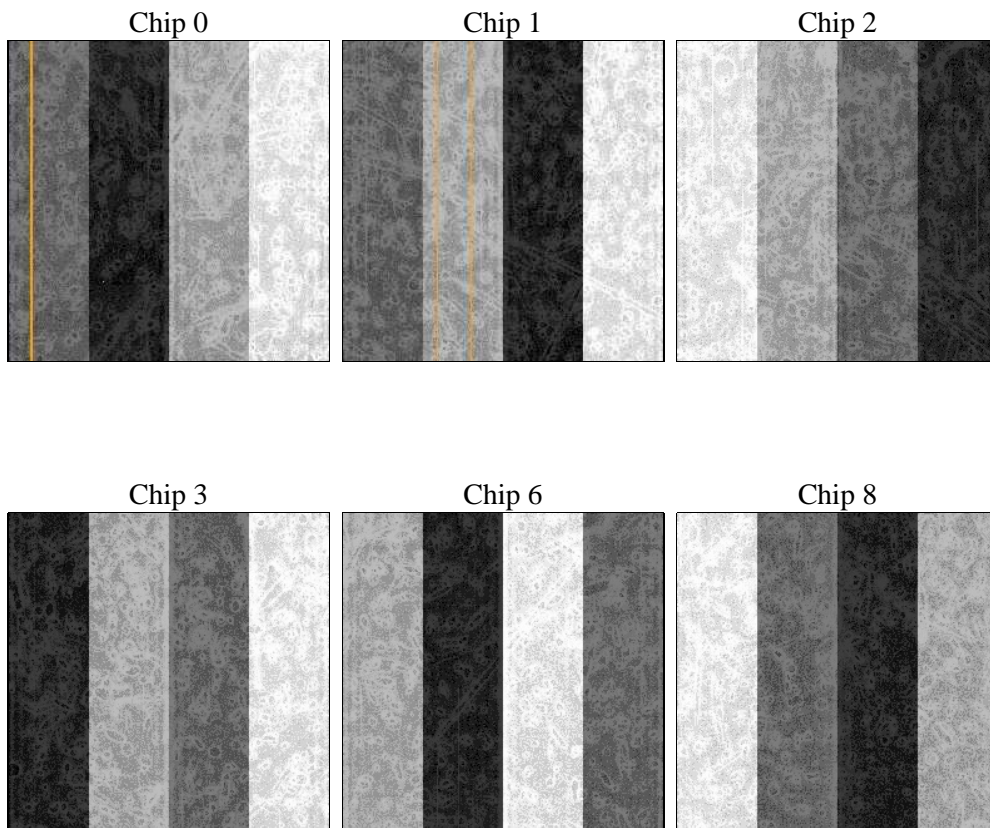
2 OBI

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	4960.0000046045	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	4960.0000046045	Sum of GTIs [s]
date	2012-09-20T12:44:43	Date and time of file creation	ontime1	4960.0000046045	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4960.0000046045	Sum of GTIs [s]
			ontime3	4960.0000046045	Sum of GTIs [s]
			ontime6	4960.0000046045	Sum of GTIs [s]
			ontime8	4960.0000046045	Sum of GTIs [s]
			l1events	198782	Number of level 1 events

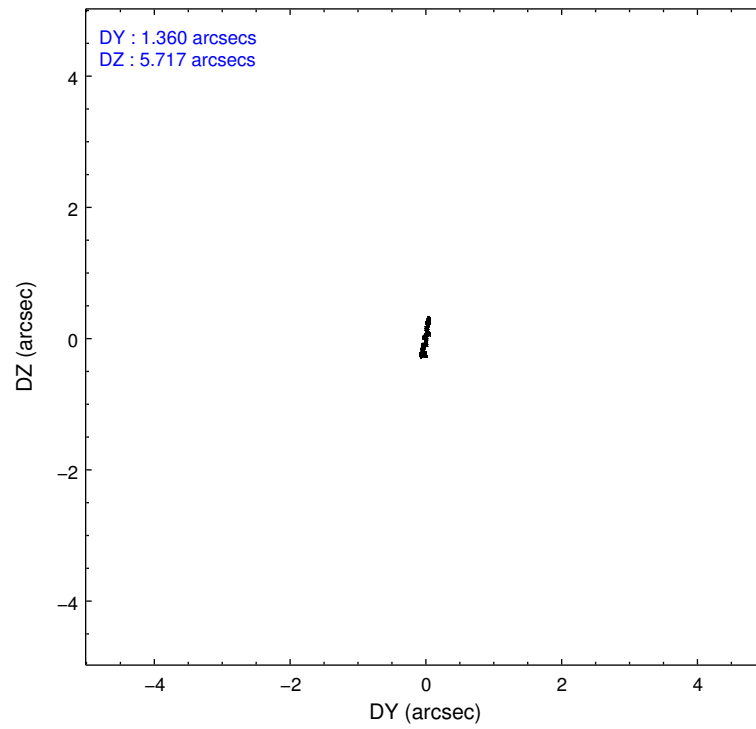
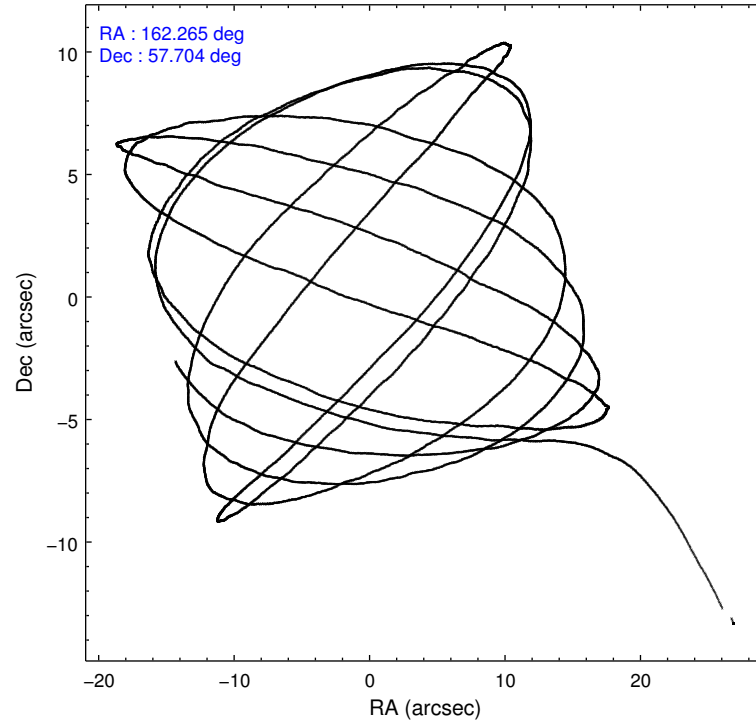
2.1.4 Events

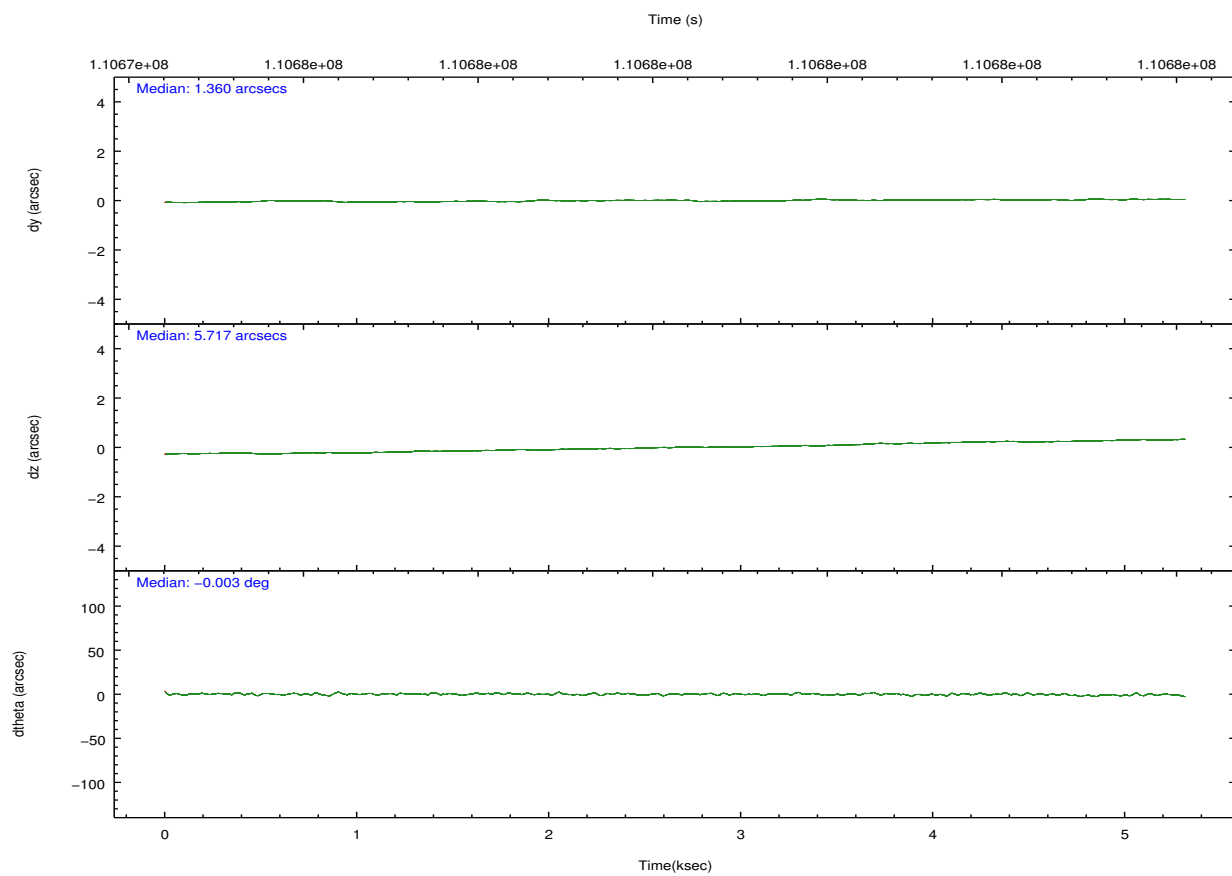
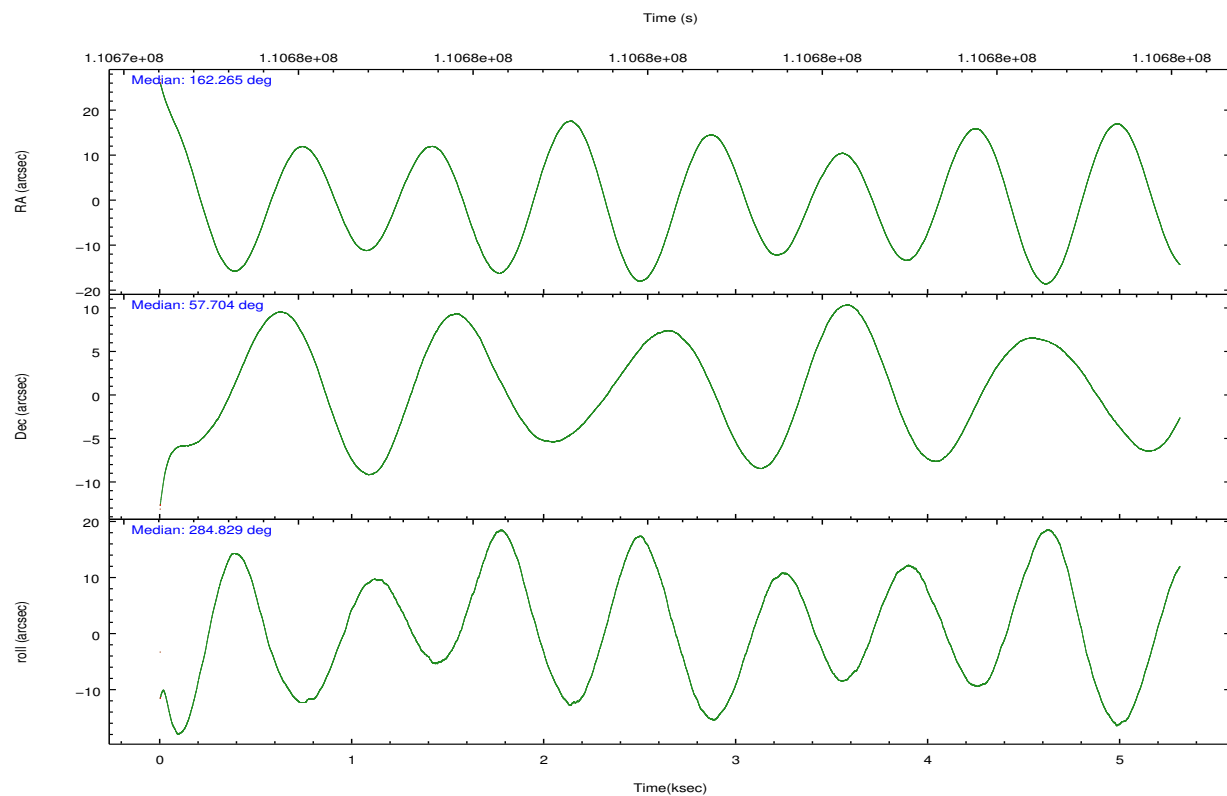
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	29865	29645	32695	33073	31381	42123	grade 0 events	1545	1541	1564	1870	1421	2534
rejected events	26237	25801	29069	29072	27871	34112		5%	5%	4%	5%	4%	6%
rejected %	87%	87%	88%	87%	88%	80%	grade 1 events	14	15	18	13	11	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	762	753	747	765	727	1731
								2%	2%	2%	2%	2%	4%
							grade 3 events	357	408	343	337	354	883
								1%	1%	1%	1%	1%	2%
							grade 4 events	319	377	333	376	345	855
								1%	1%	1%	1%	1%	2%
							grade 5 events	1127	1275	1136	1244	1315	1795
								3%	4%	3%	3%	4%	4%
							grade 6 events	648	766	646	657	666	2009
								2%	2%	1%	1%	2%	4%
							grade 7 events	25093	24510	27908	27811	26542	32285
								84%	82%	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	162.229147	162.2654966859561	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.723632	57.70409187376779	Alternating exposures requested	N	N
[deg] Pointing Roll	284.656324	284.8343108172859	[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)	110674786.184000	110673761.84499			
Observation start date	2001-07-04T22:58:42	2001-07-04T22:42:41			
[s] Observation end time (MET)	110679786.184000	110679921.07023			
Observation end date	2001-07-05T00:22:02	2001-07-05T00:25:21			
Read mode	TIMED	TIMED			

2.3 Aspect



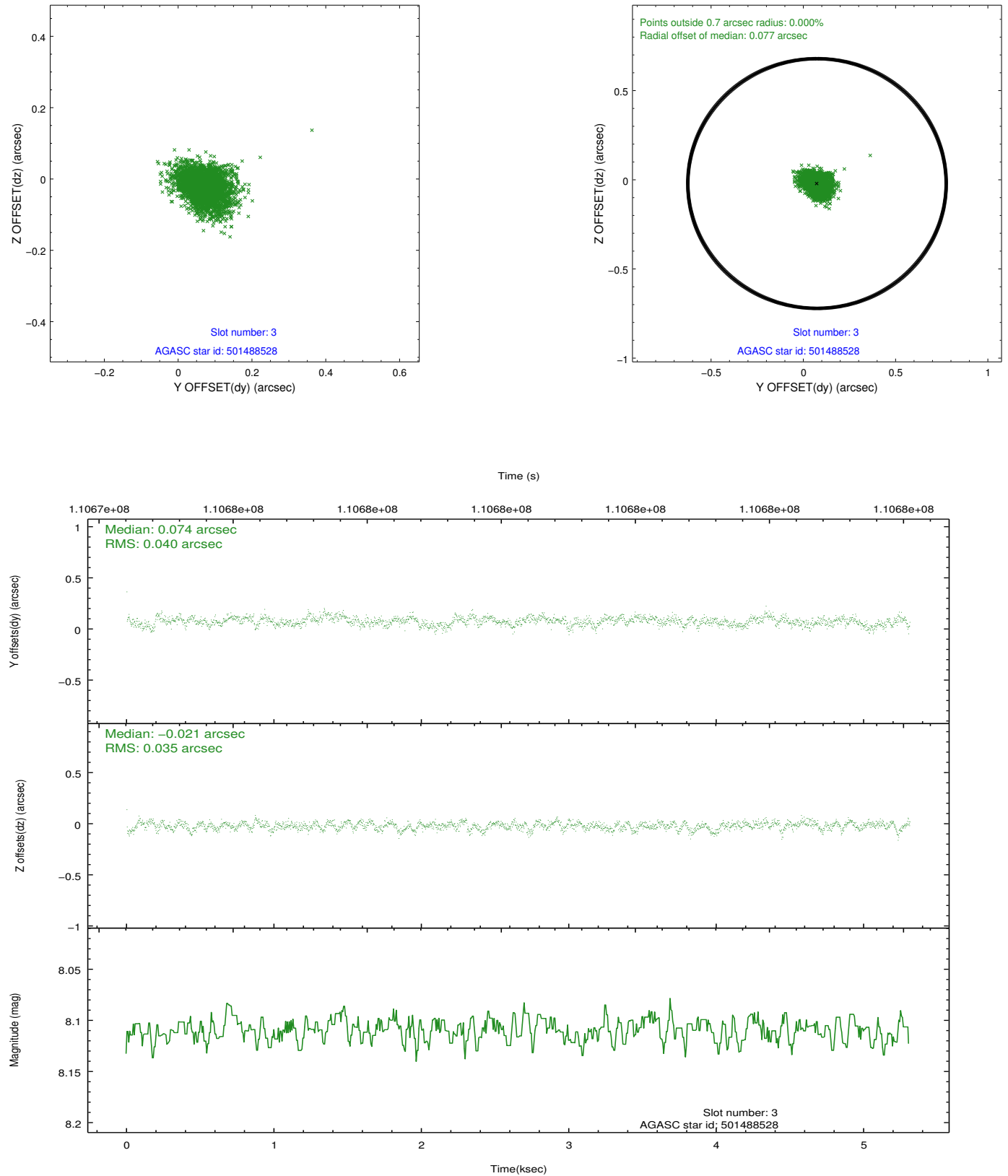


Slot Statistics

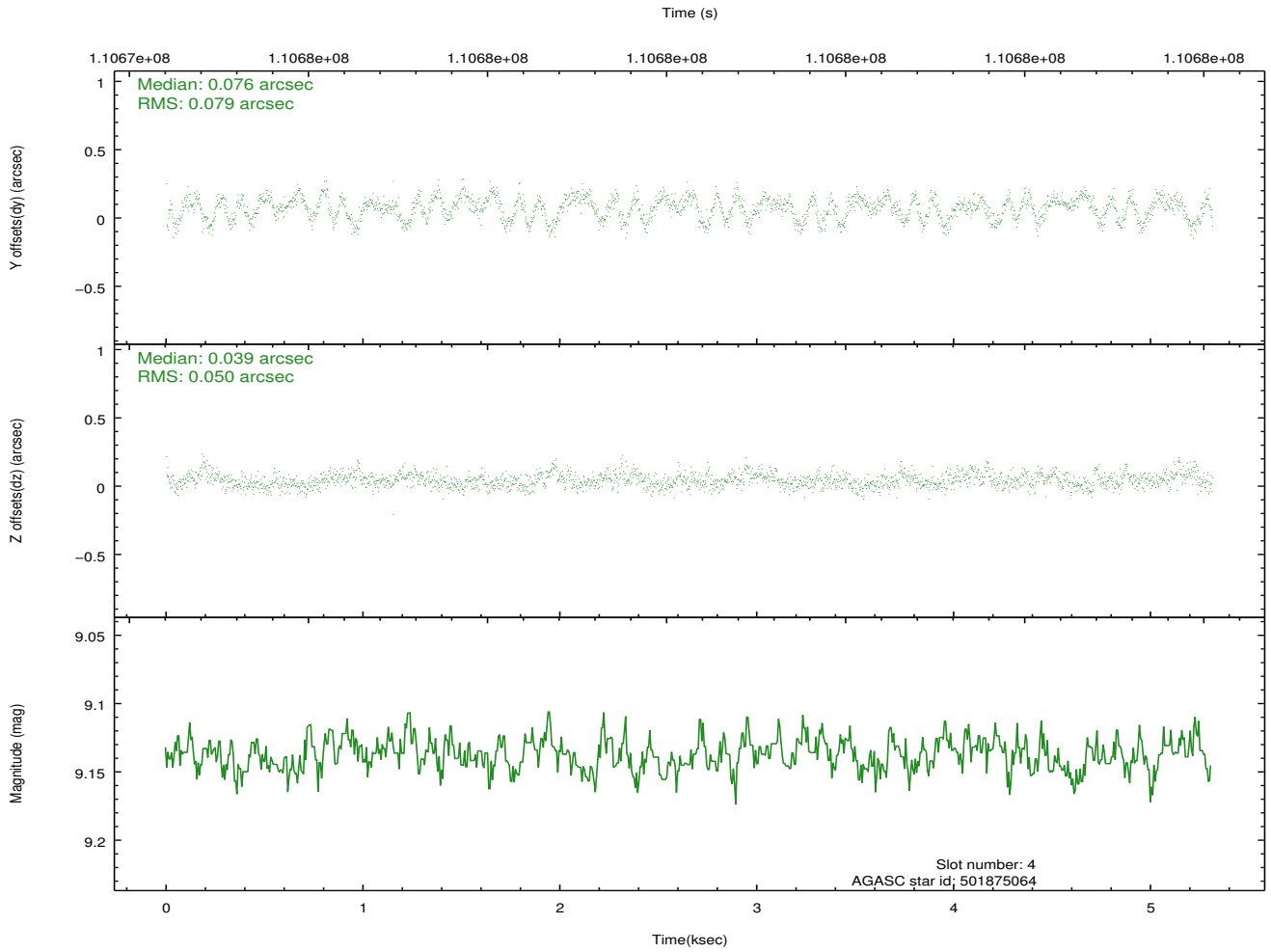
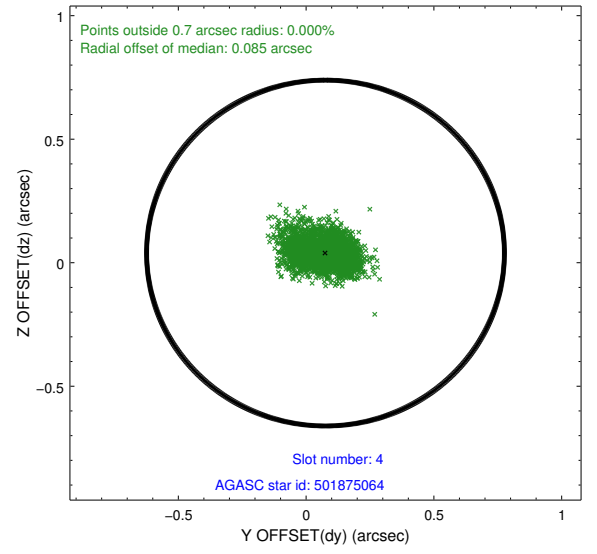
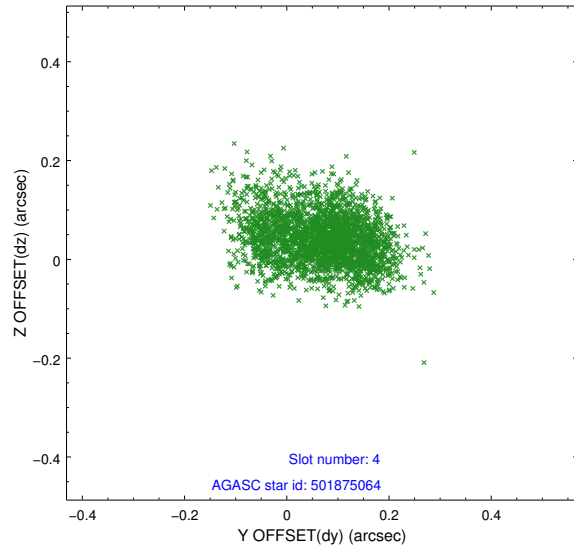
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1296	-0.055	-0.014	0.007	0.011	0.000000	0.000000	-755.72	-835.47
1	FID	ACIS-I-4	7.18	1295	-0.040	0.032	0.008	0.014	0.000000	0.000000	2157.79	1070.24
2	FID	ACIS-I-6	7.27	1295	-0.004	0.046	0.011	0.018	0.000000	0.000000	405.81	1713.70
3	GUIDE	501488528	8.11	2591	0.074	-0.021	0.055	0.092	162.150935	57.312270	1393.74	-521.15
4	GUIDE	501875064	9.14	2591	0.076	0.039	0.101	0.162	163.017696	58.369846	-1882.57	2031.04
5	GUIDE	501876968	9.38	2591	-0.035	-0.159	0.107	0.173	161.243582	57.954681	-1295.53	-1606.23
6	GUIDE	501877264	9.29	2588	-0.062	0.137	0.107	0.163	163.254394	57.702218	557.77	1892.34
7	GUIDE	501882000	9.61	2568	-0.049	0.004	0.120	0.186	160.921161	57.857731	-1124.55	-2294.08

2.4 Star Slots

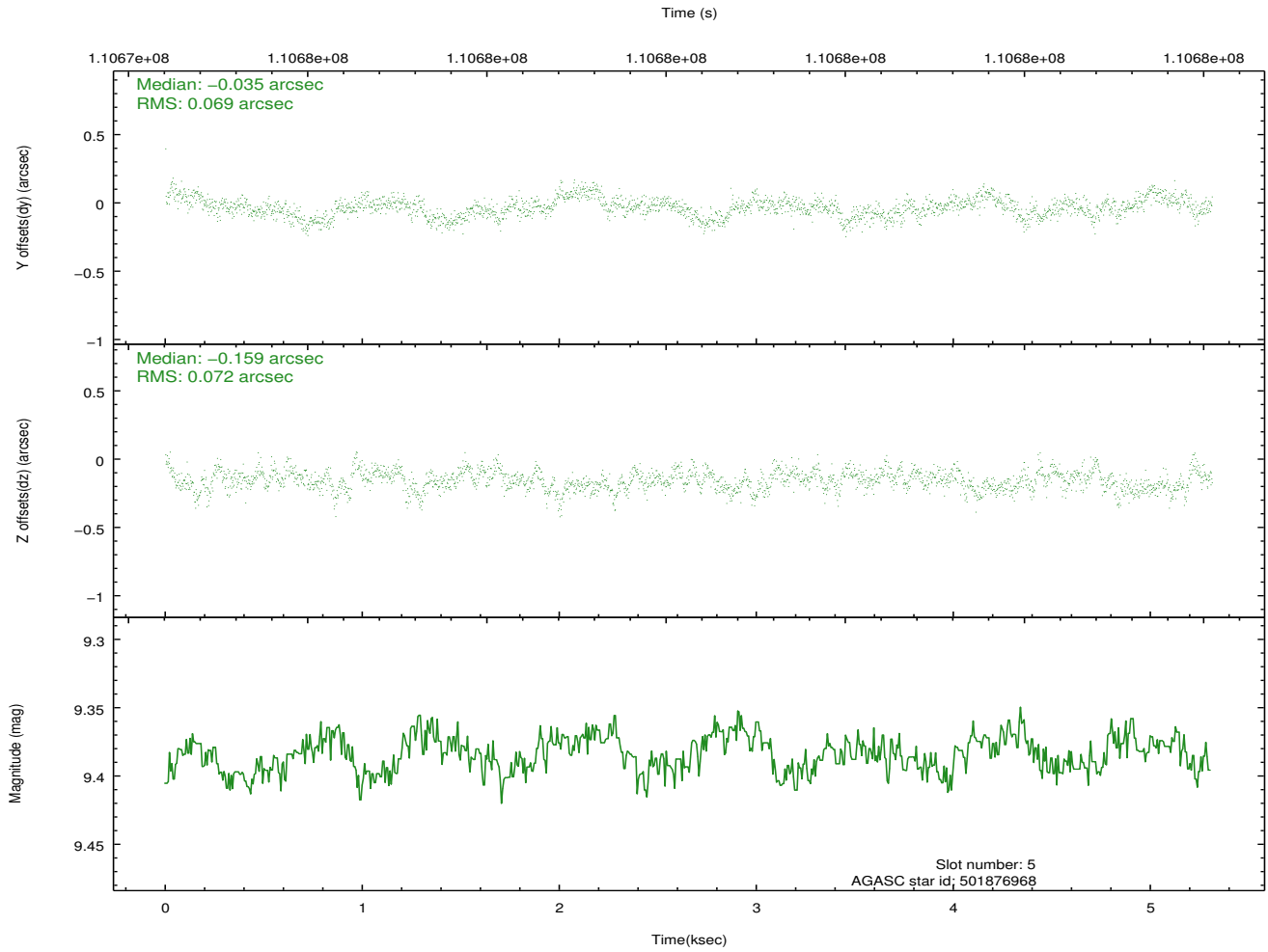
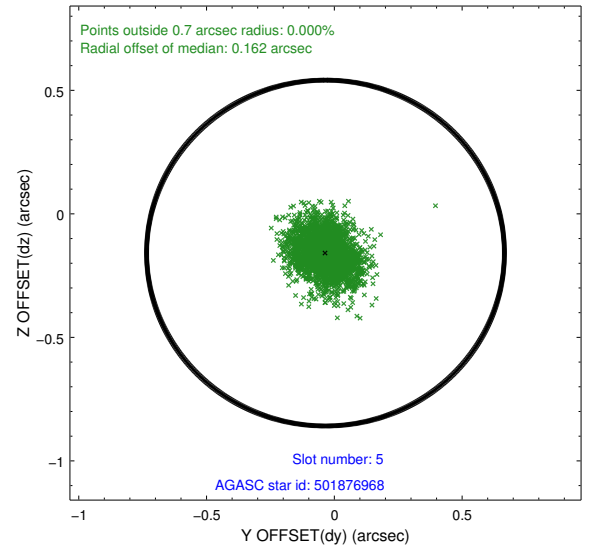
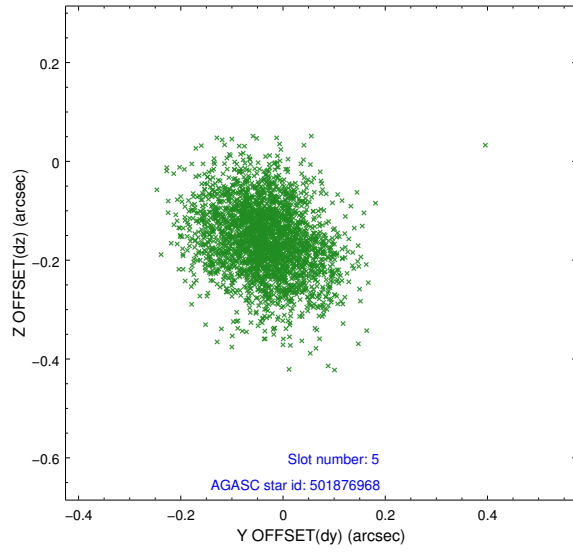
2.4.1 Slot 3



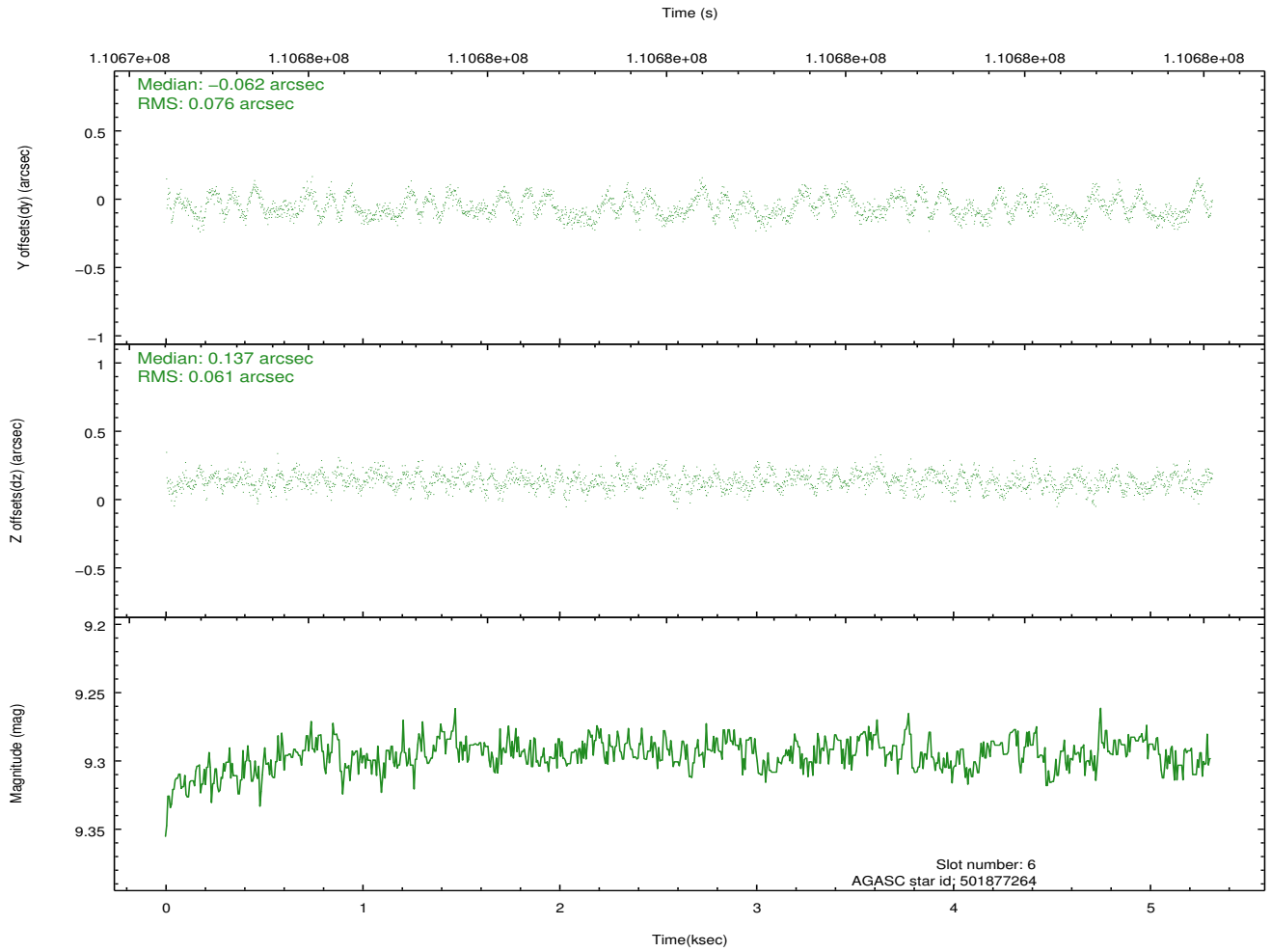
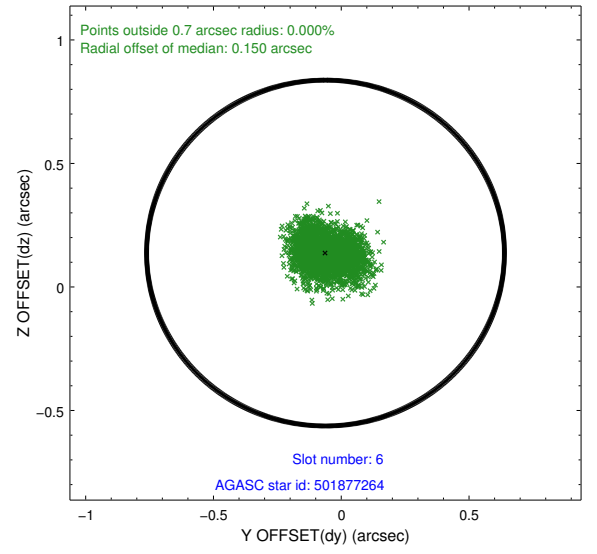
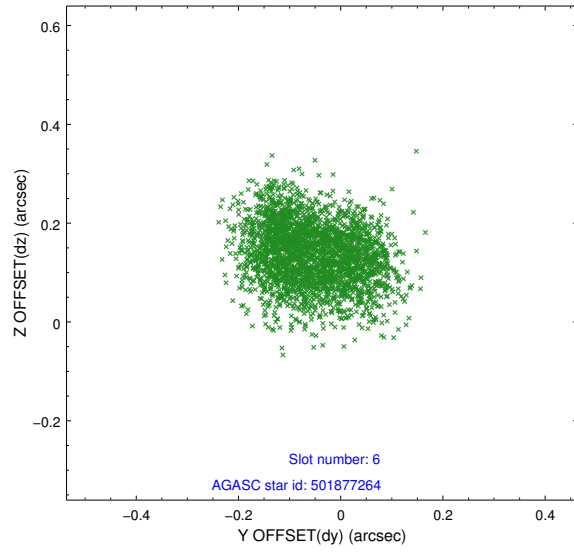
2.4.2 Slot 4



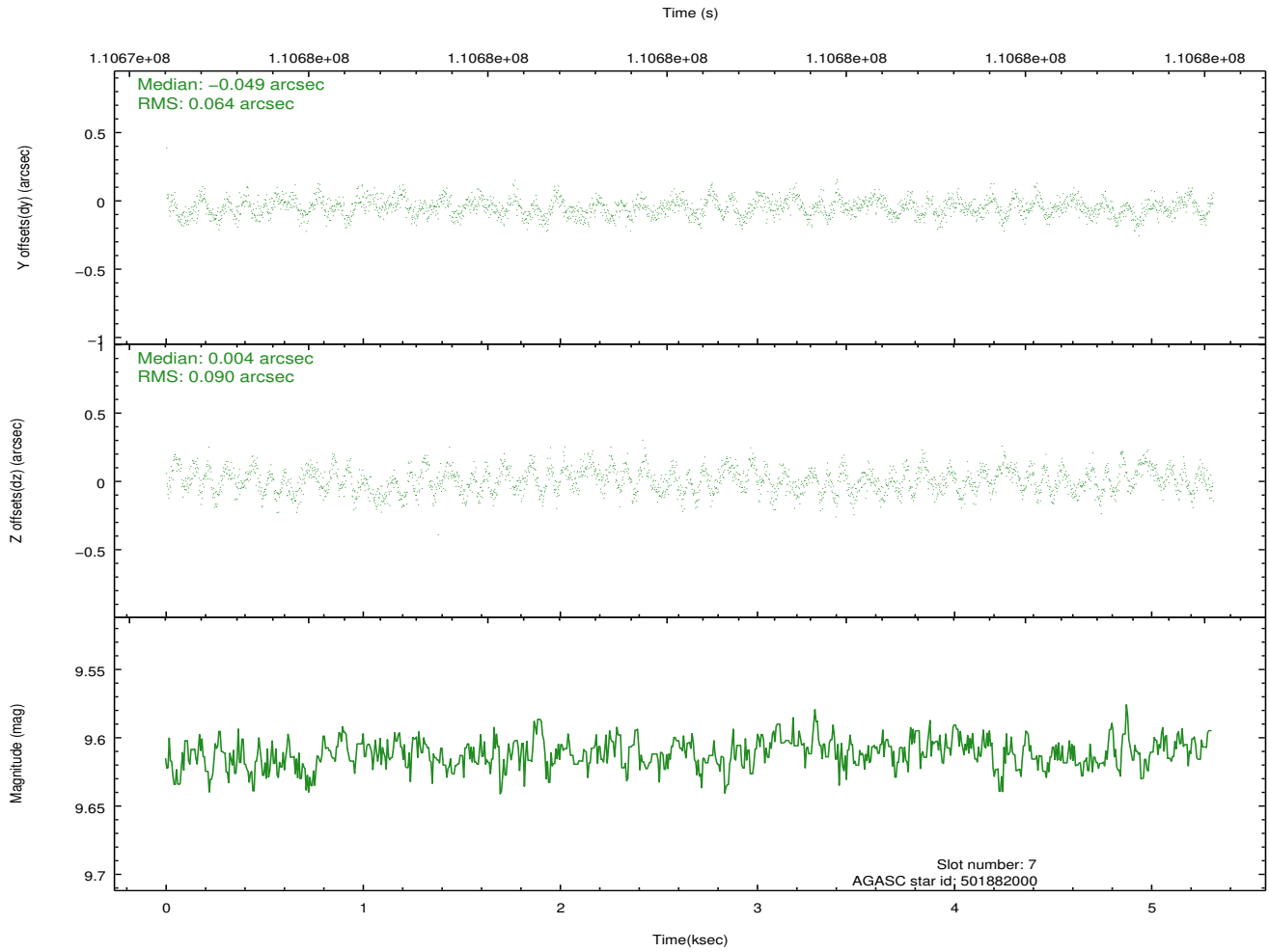
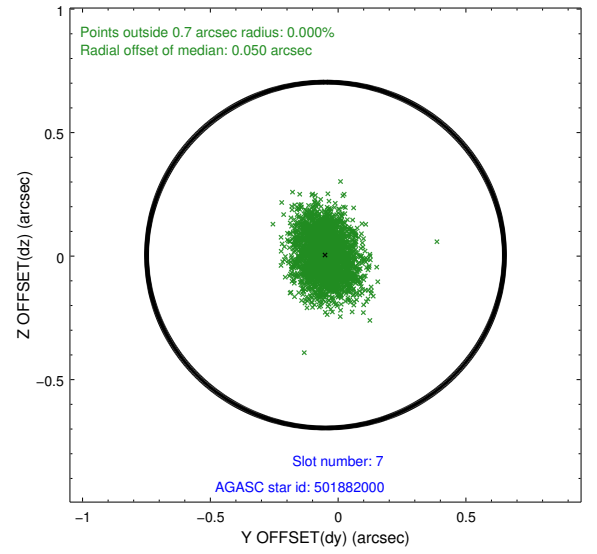
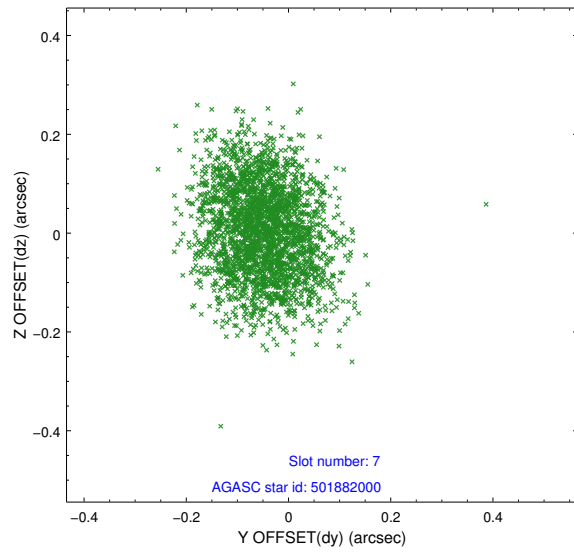
2.4.3 Slot 5



2.4.4 Slot 6

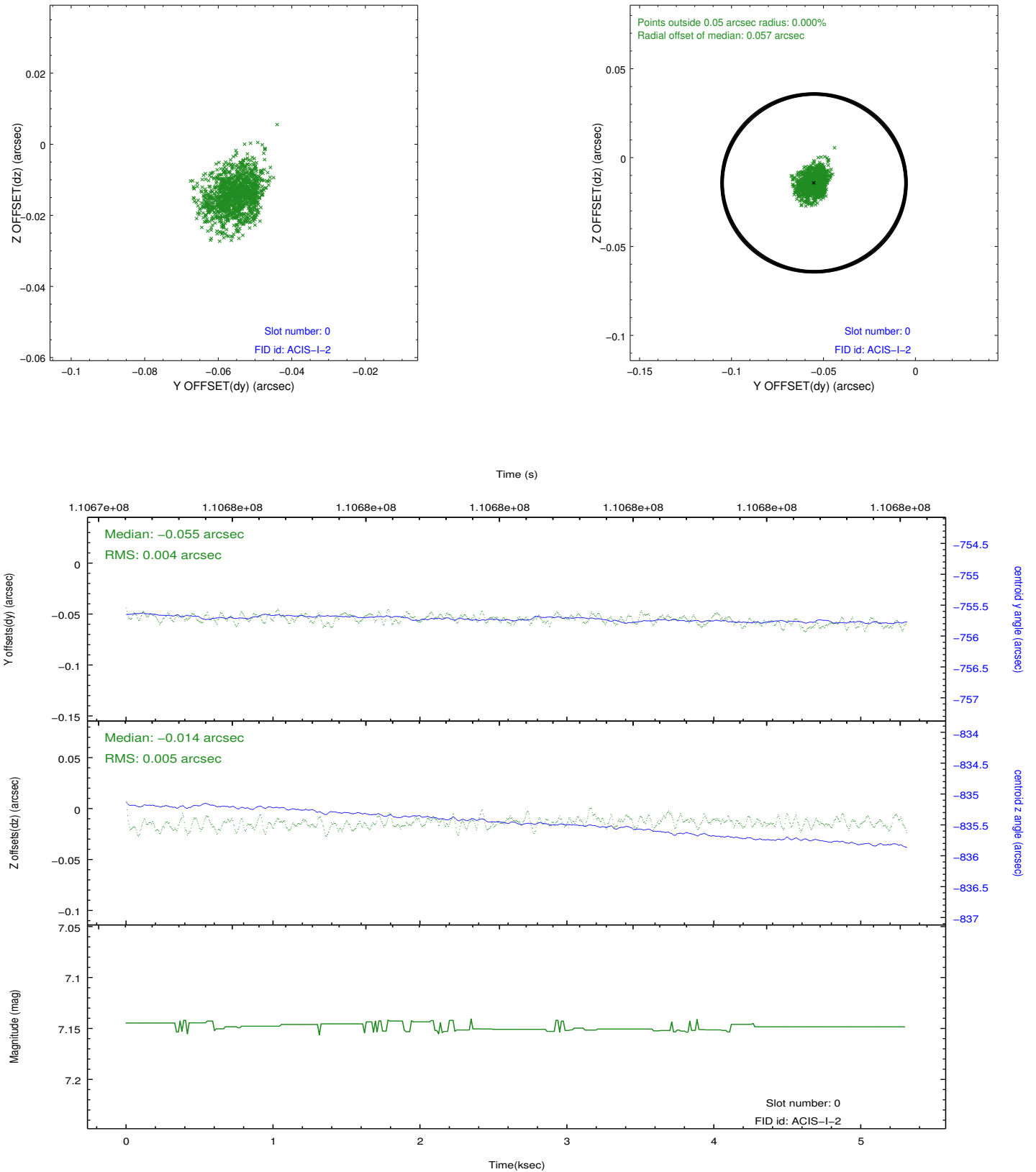


2.4.5 Slot 7

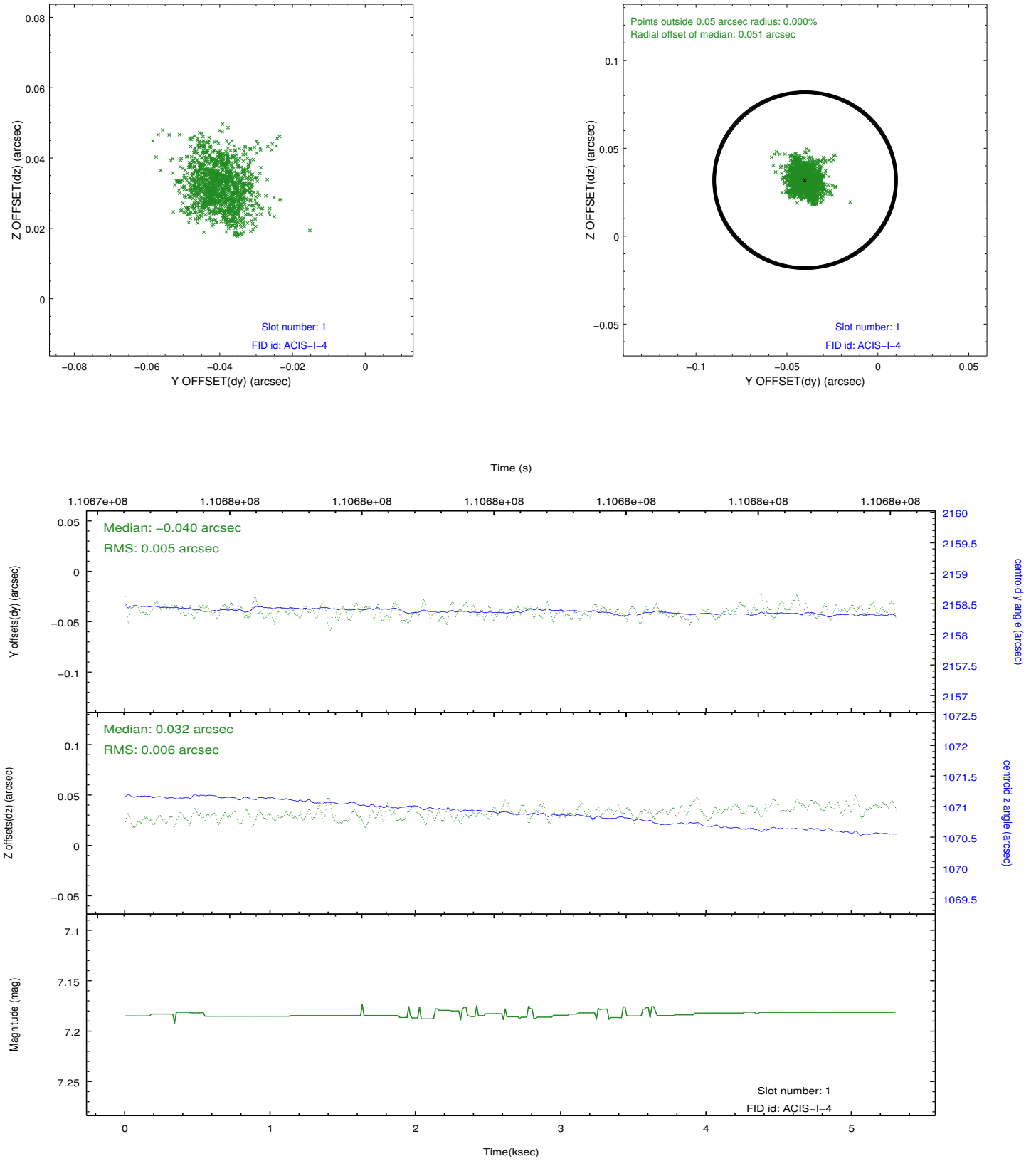


2.5 FID Slots

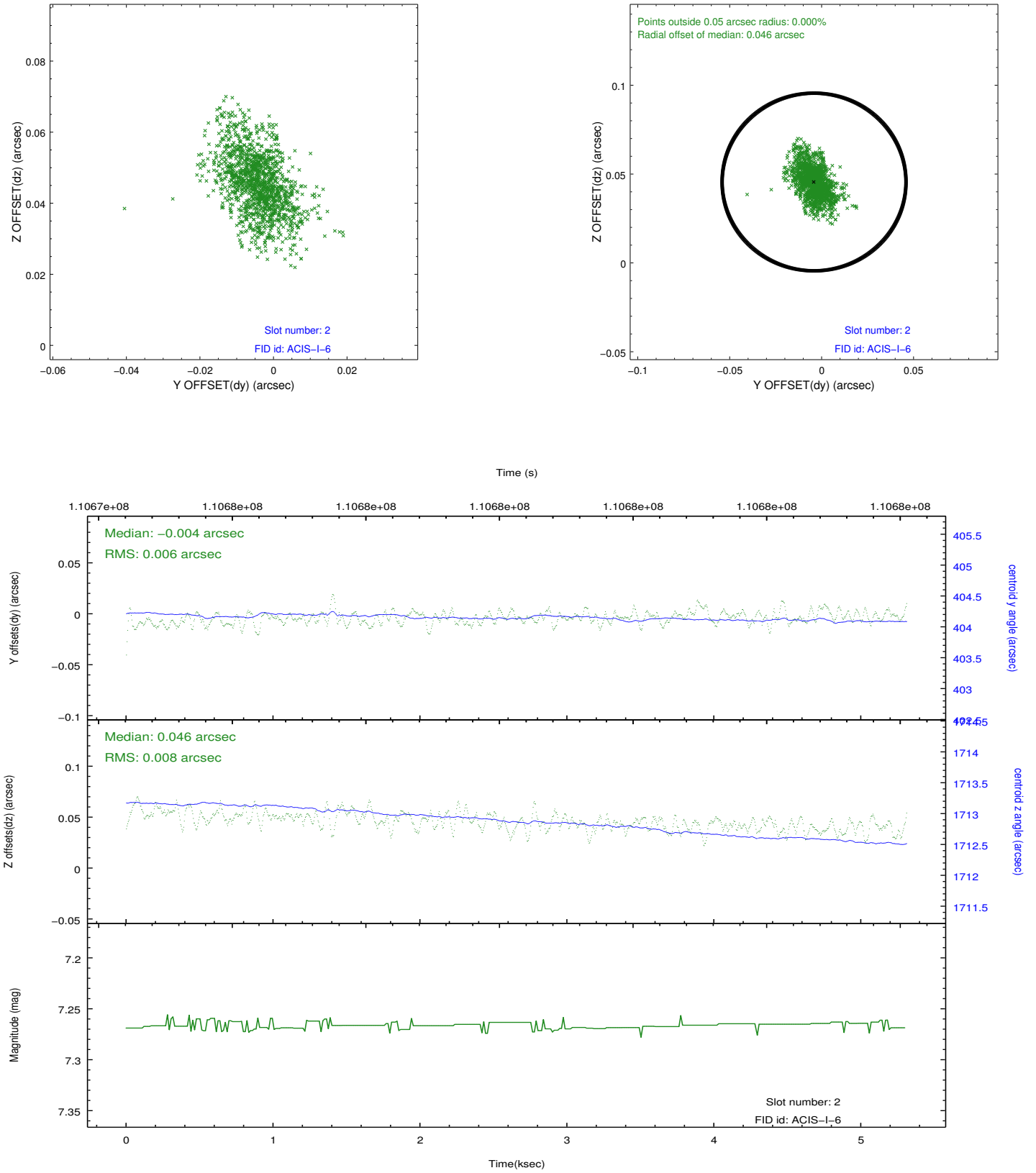
2.5.1 Slot 0



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	4.963

A.2 Comments