

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1682 - L2 Version 3
Chandra X-Ray Center

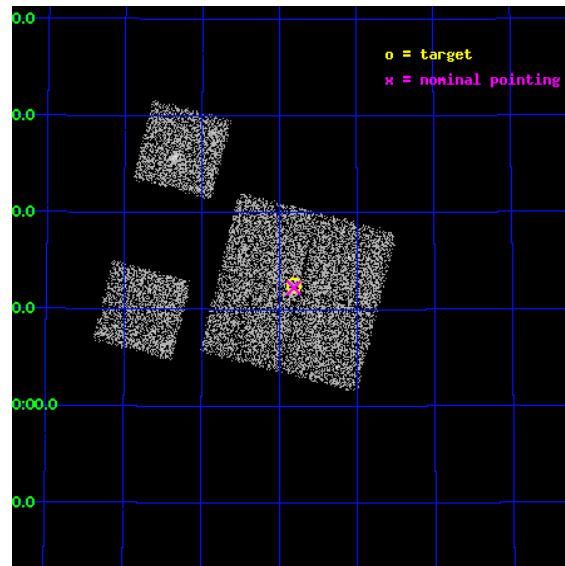
L2 Processing Date : Sep 20 2012

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1 Front

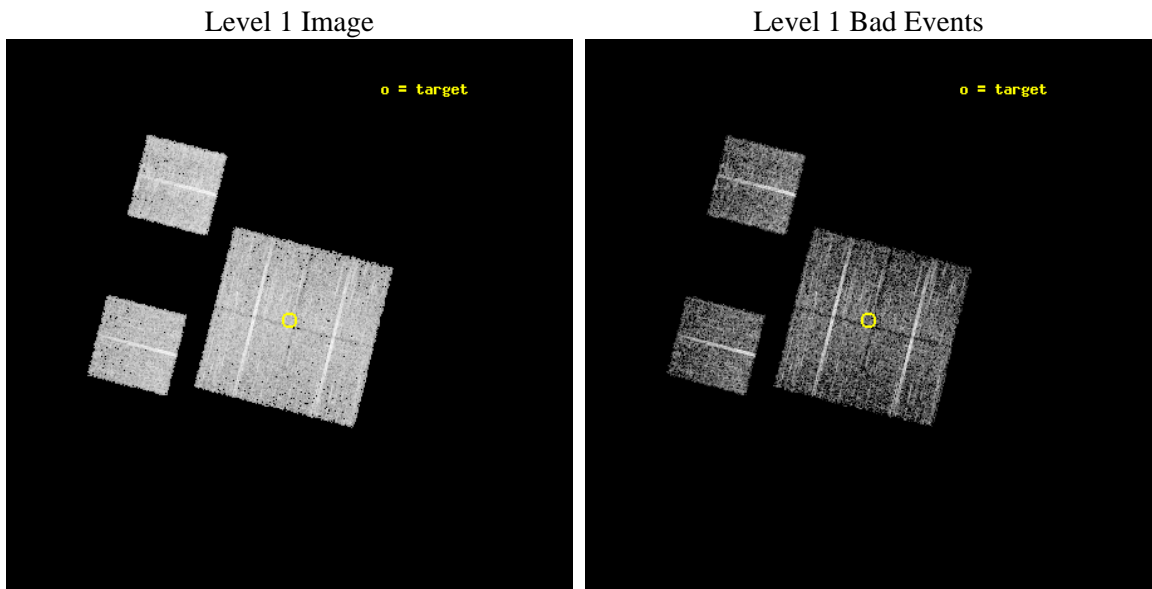
seq_num	900041	Sequence number
obs_id	1682	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.204167	Observer's specified target RA [deg]
dec_targ	57.208889	Observer's specified target Dec [deg]
ra_nom	163.20296094717	Nominal RA [deg]
dec_nom	57.204215015892	Nominal Dec [deg]
roll_nom	284.22853381013	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	17972	Number of level 2 events



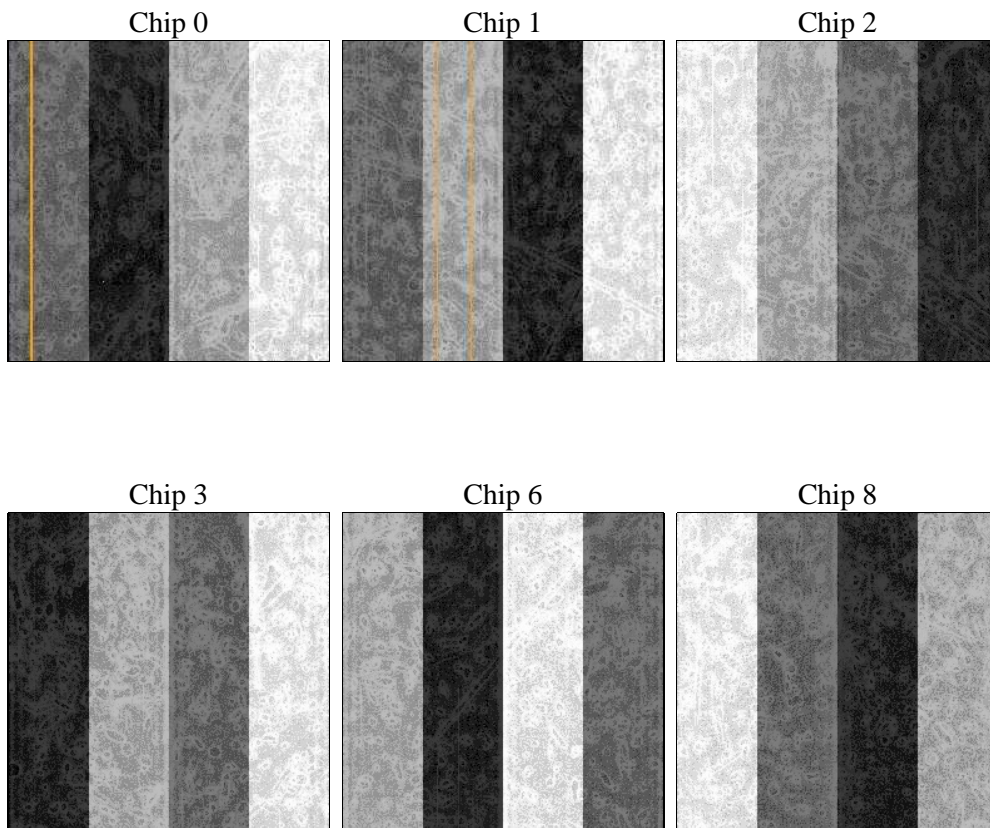
2 OBI

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	2012-09-20T12:43:08	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	185686	Number of level 1 events

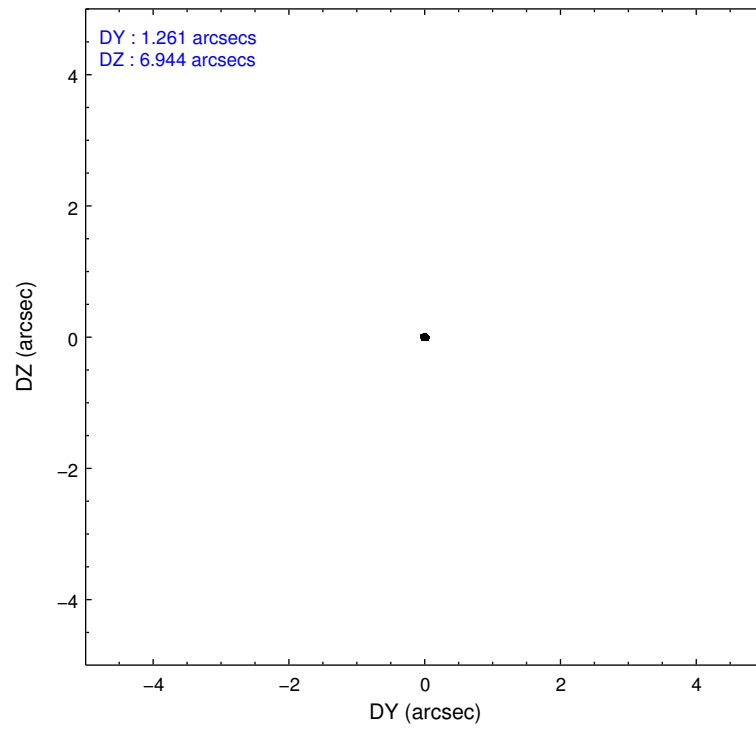
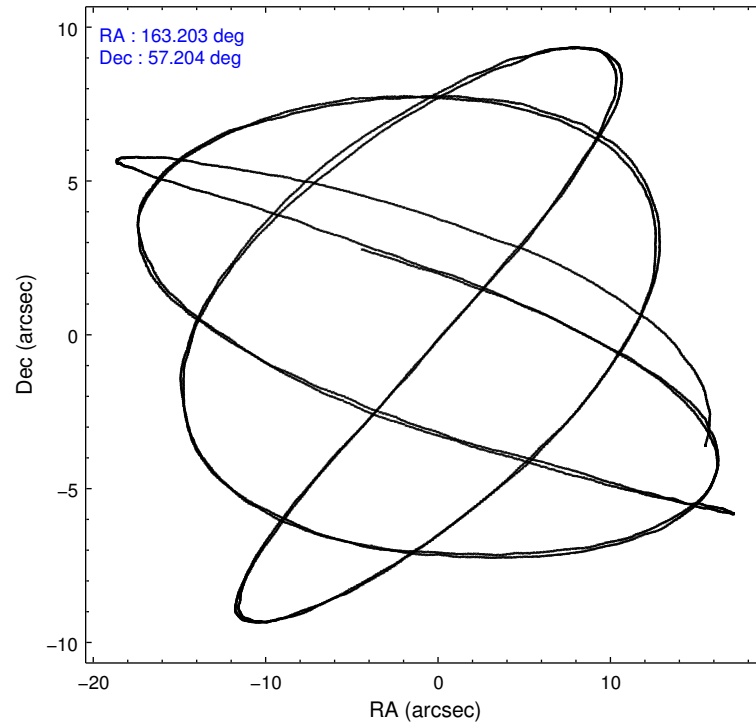
2.1.4 Events

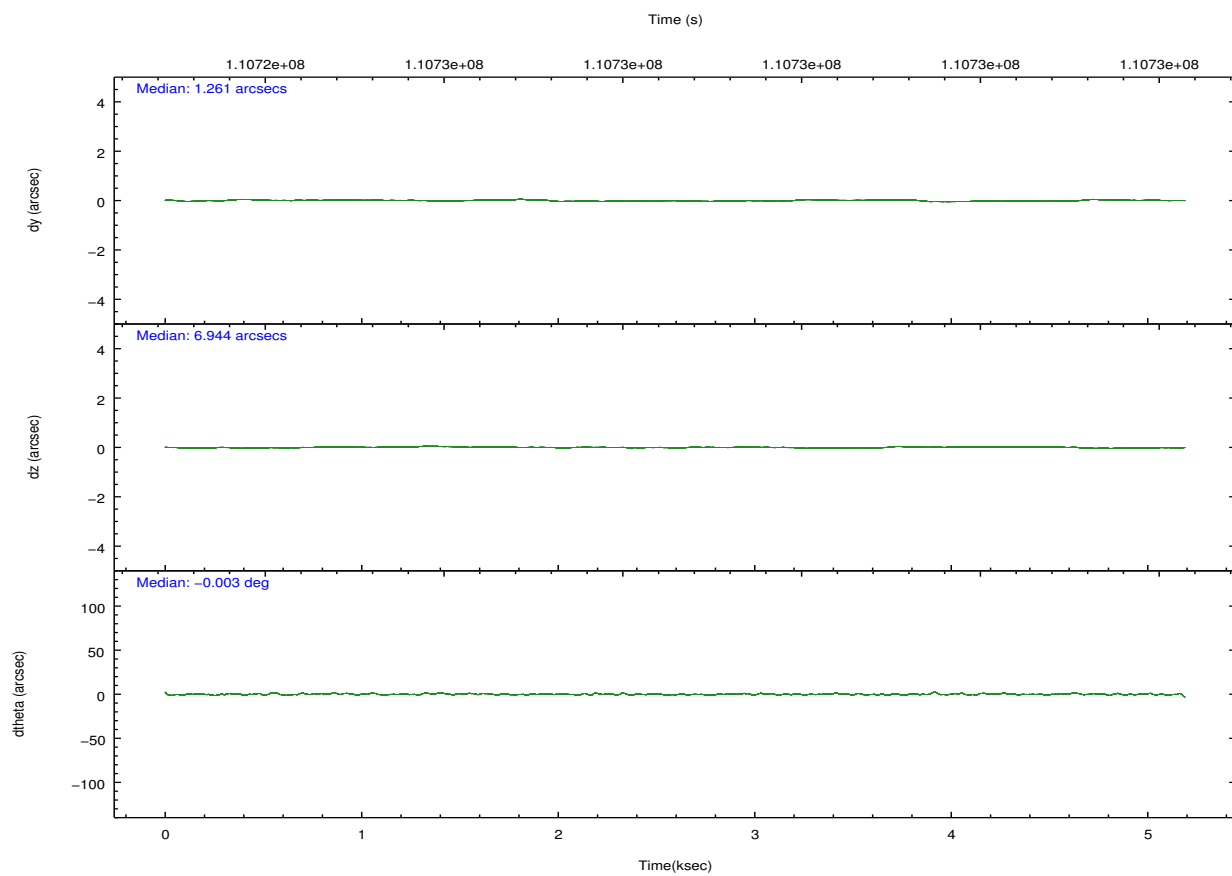
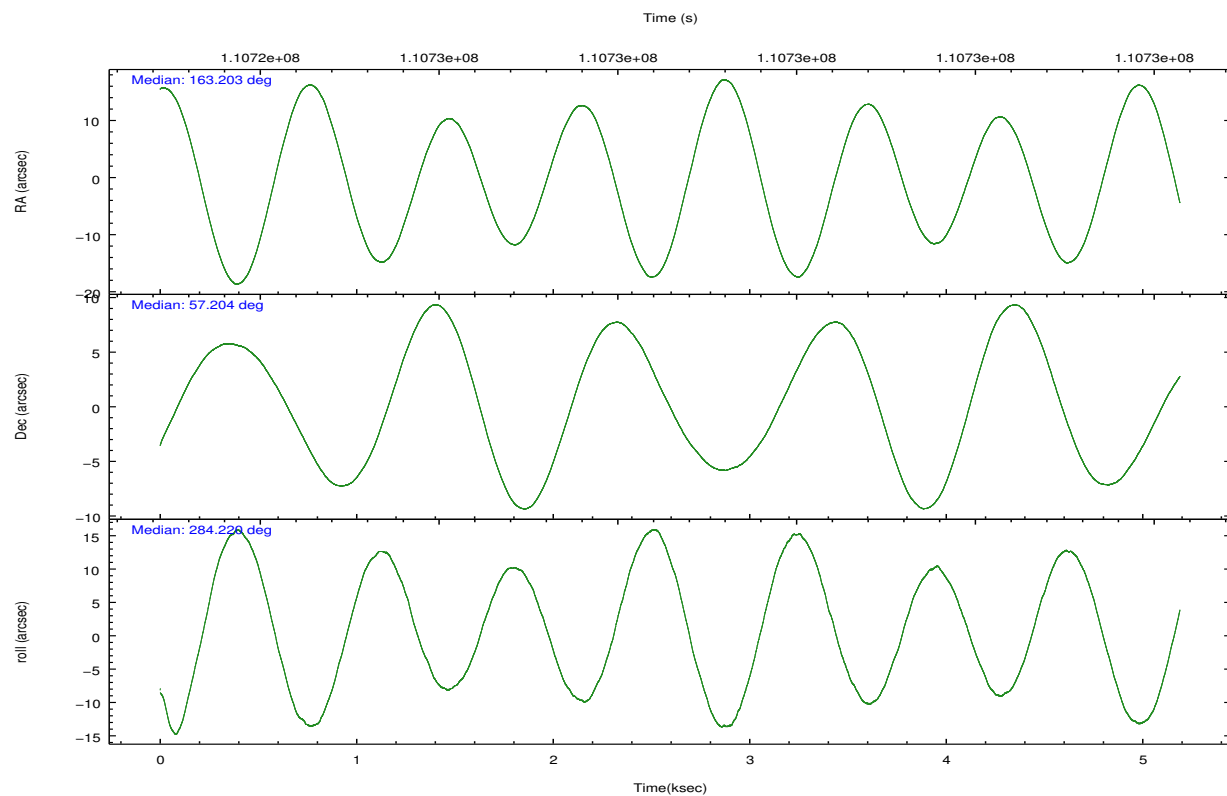
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	27831	28496	30677	31068	29476	38138	grade 0 events	1507	1403	1527	1423	1299	2333
rejected events	24296	24885	27208	27726	26138	30903		5%	4%	4%	4%	4%	6%
rejected %	87%	87%	88%	89%	88%	81%	grade 1 events	12	17	15	15	15	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	733	751	707	639	689	1558
								2%	2%	2%	2%	2%	4%
							grade 3 events	339	372	333	372	324	761
								1%	1%	1%	1%	1%	1%
							grade 4 events	306	376	320	334	329	765
								1%	1%	1%	1%	1%	2%
							grade 5 events	1090	1196	970	1202	1290	1553
								3%	4%	3%	3%	4%	4%
							grade 6 events	651	713	589	574	705	1821
								2%	2%	1%	1%	2%	4%
							grade 7 events	23193	23668	26216	26509	24825	29319
								83%	83%	85%	85%	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	163.167445	163.2029609471735	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.223853	57.20421501589199	Alternating exposures requested	N	N
[deg] Pointing Roll	284.049715	284.2285338101337	[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)	110724885.184000	110724509.59697			
Observation start date	2001-07-05T12:53:41	2001-07-05T12:48:29			
[s] Observation end time (MET)	110729885.184000	110730019.48469			
Observation end date	2001-07-05T14:17:01	2001-07-05T14:20:19			
Read mode	TIMED	TIMED			

2.3 Aspect



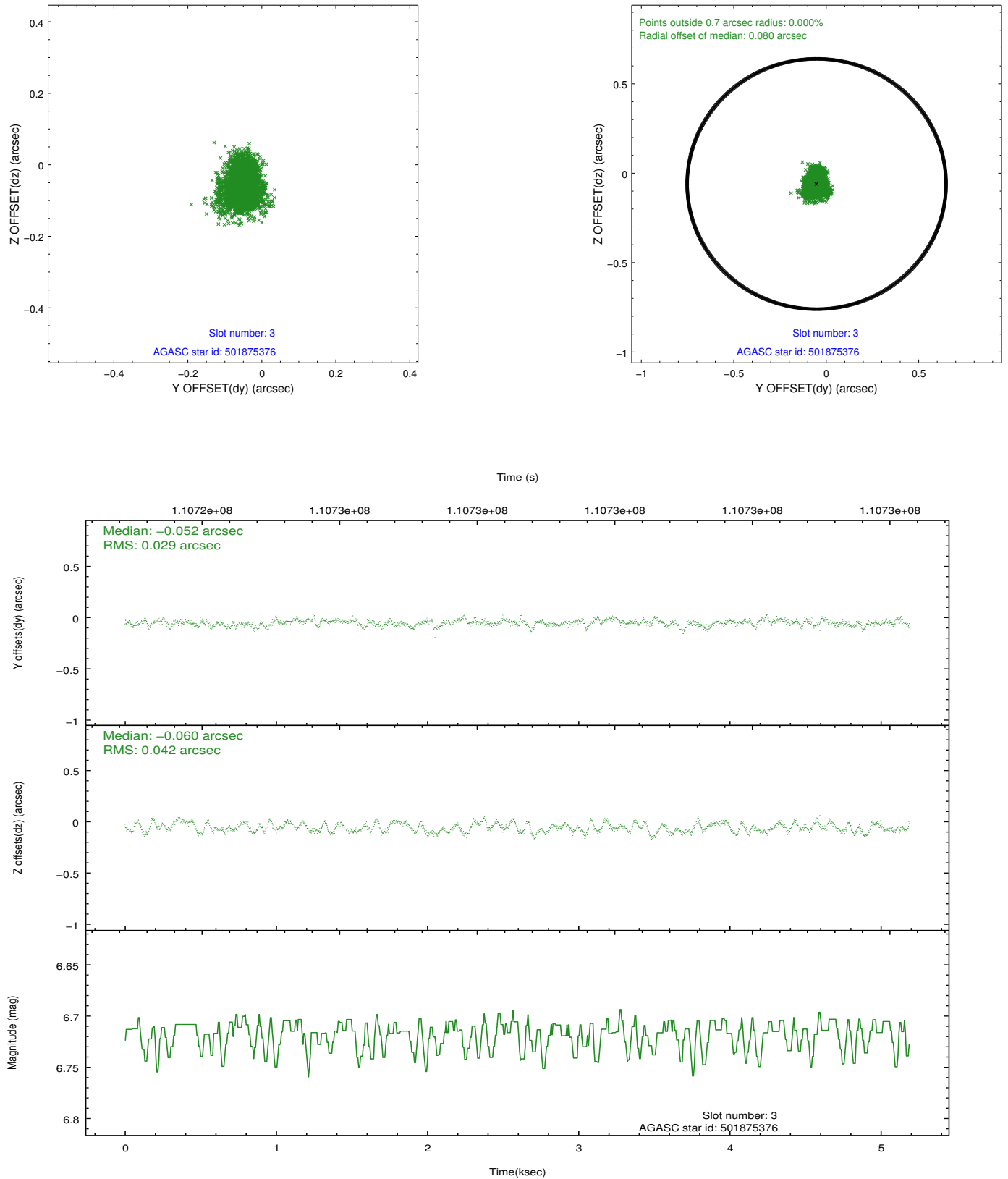


Slot Statistics

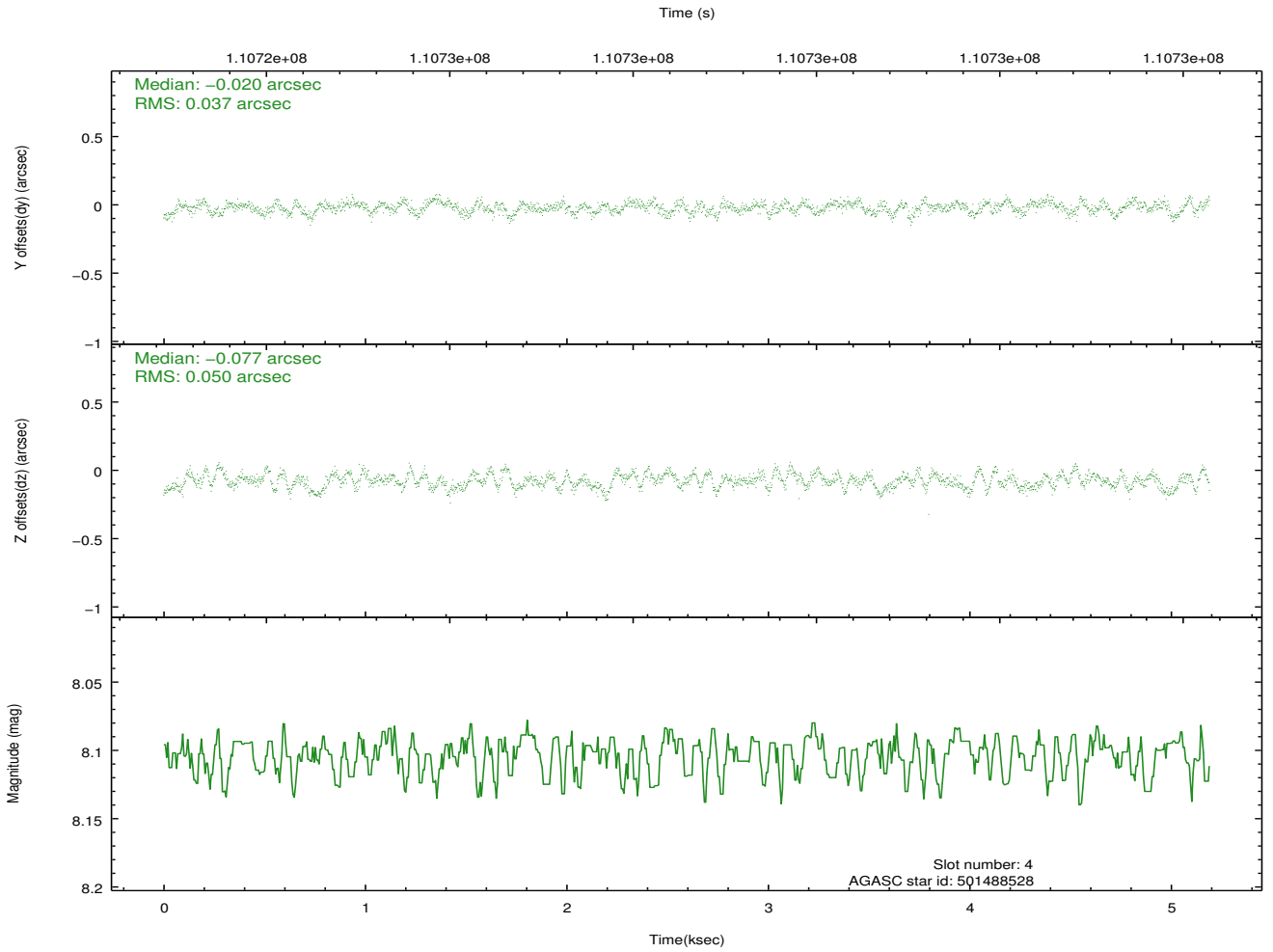
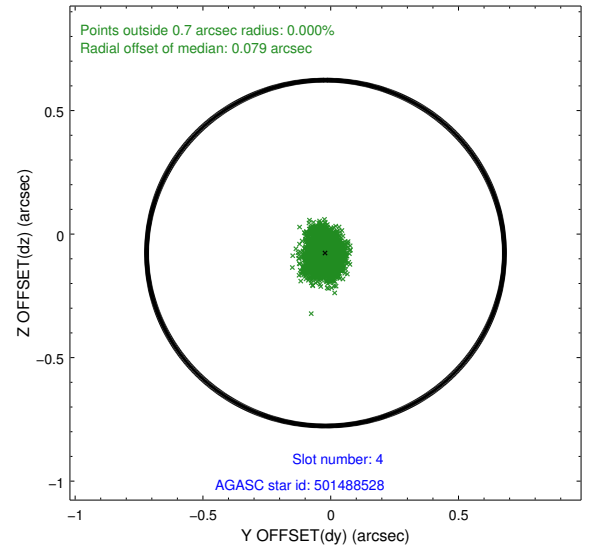
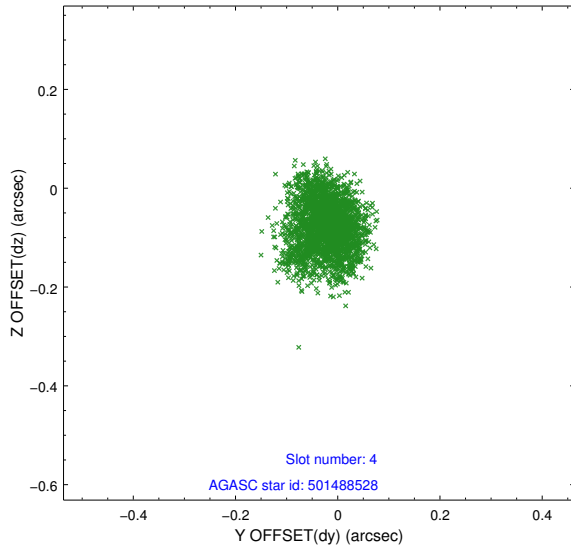
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1266	-0.036	-0.068	0.009	0.015	0.000000	0.000000	-755.62	-836.78
1	FID	ACIS-I-4	7.18	1265	-0.050	0.047	0.007	0.011	0.000000	0.000000	2157.88	1068.96
2	FID	ACIS-I-5	7.23	1266	-0.014	0.090	0.009	0.014	0.000000	0.000000	-1807.94	1068.14
3	GUIDE	501875376	6.72	2533	-0.052	-0.060	0.055	0.088	164.111621	57.502963	-544.15	2018.20
4	GUIDE	501488528	8.10	2531	-0.020	-0.077	0.067	0.106	162.150935	57.312270	-802.89	-1835.82
5	GUIDE	501876472	8.99	2530	0.014	0.064	0.088	0.138	163.621724	57.867447	-2039.91	1405.85
6	GUIDE	501486400	9.29	2531	0.124	-0.045	0.095	0.155	162.514901	56.545412	2048.47	-1847.09
7	GUIDE	501877264	9.30	2528	-0.069	0.113	0.086	0.139	163.254394	57.702218	-1629.58	579.44

2.4 Star Slots

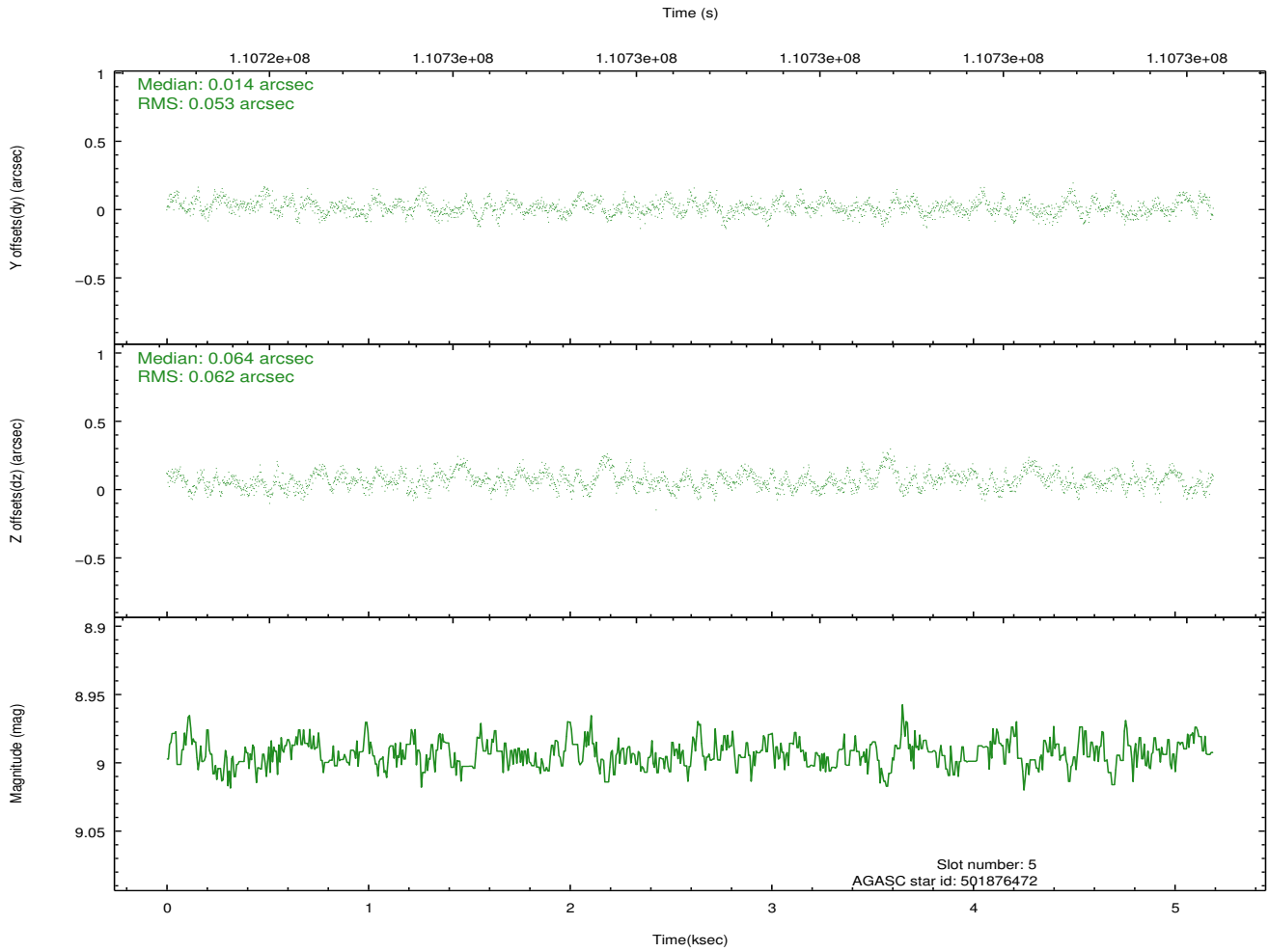
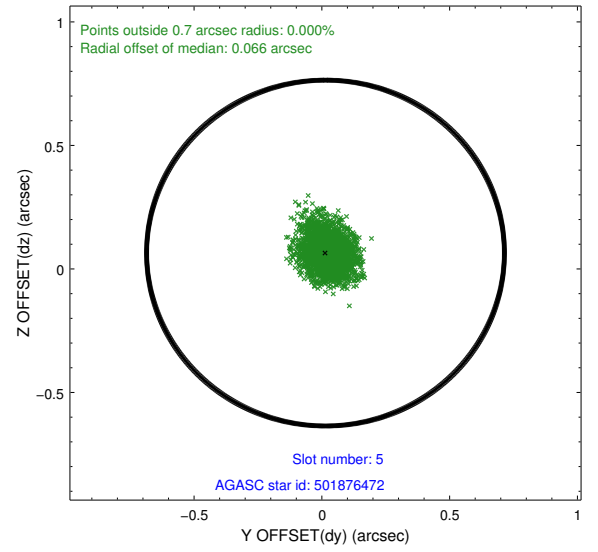
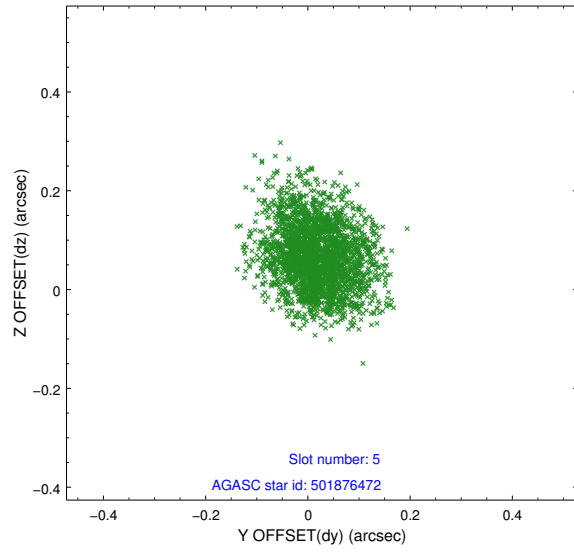
2.4.1 Slot 3



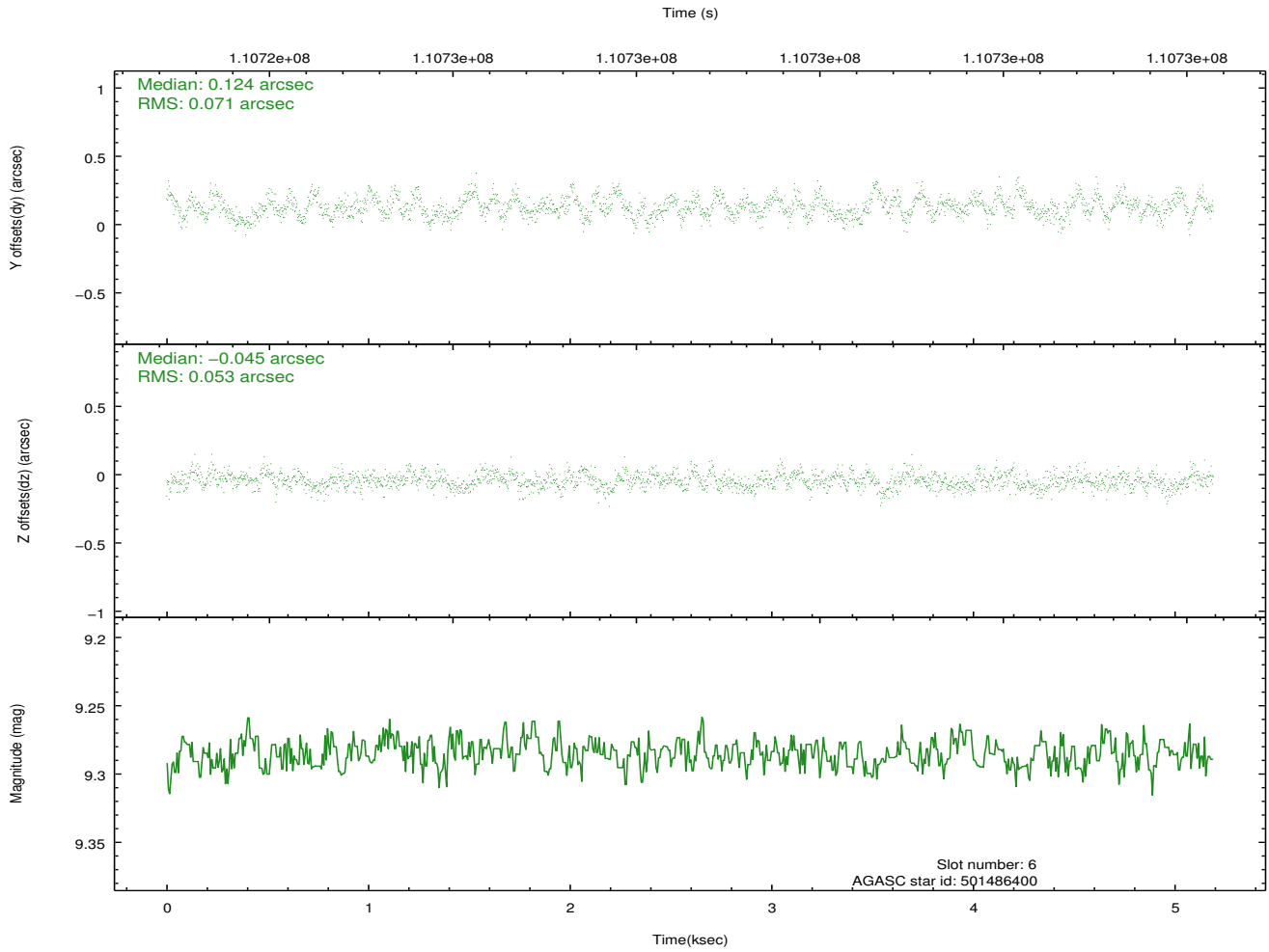
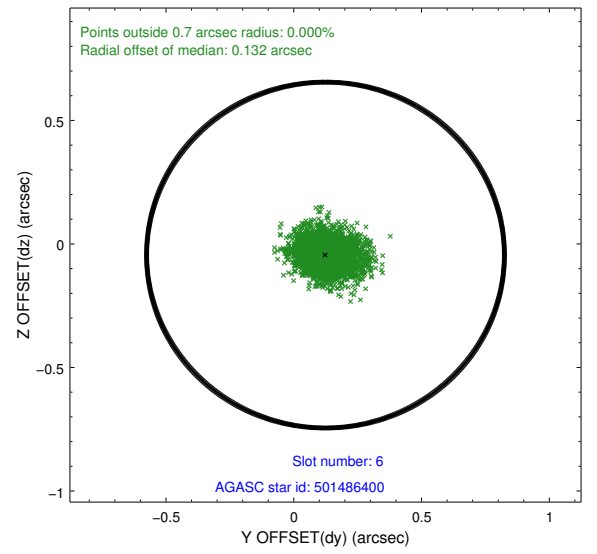
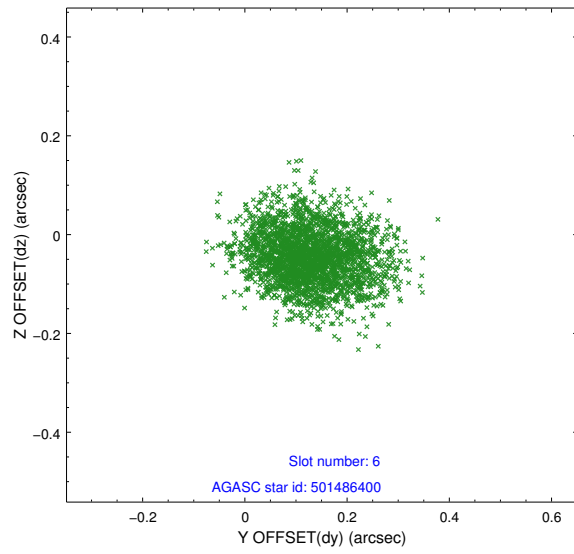
2.4.2 Slot 4



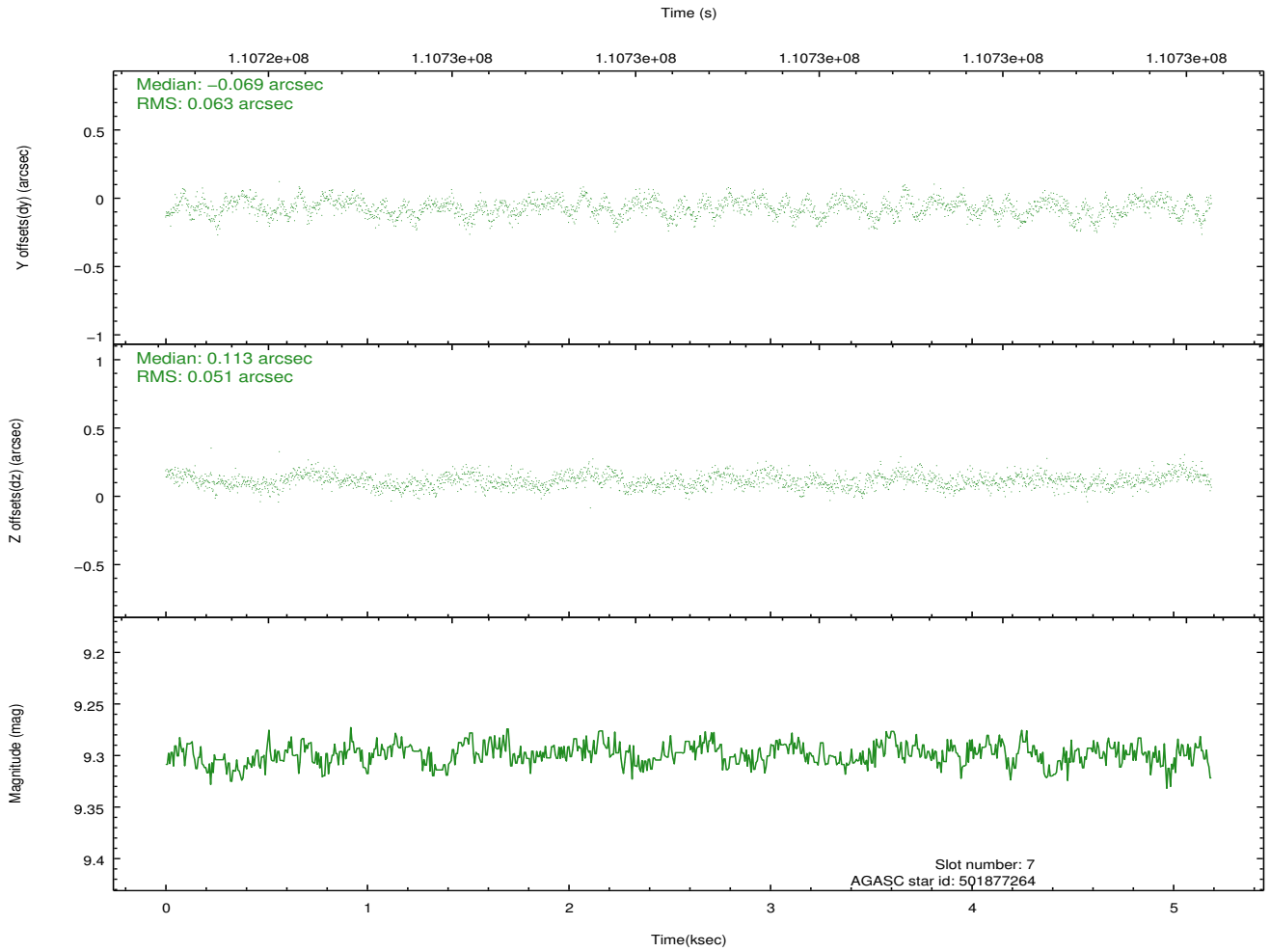
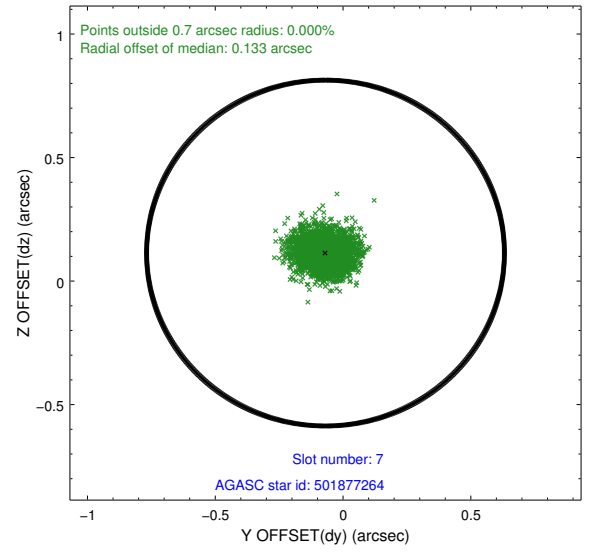
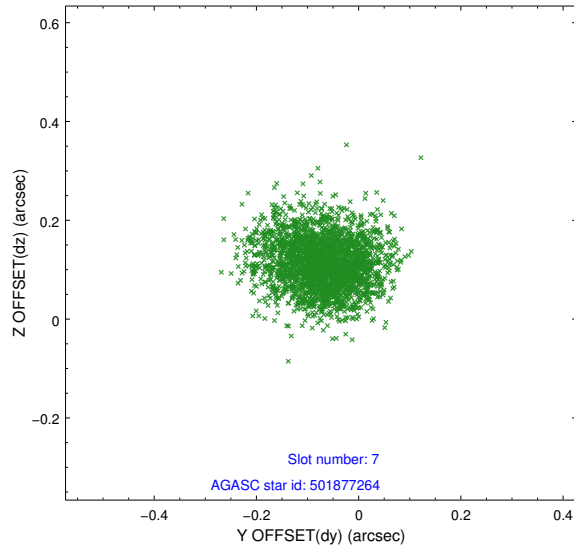
2.4.3 Slot 5



2.4.4 Slot 6

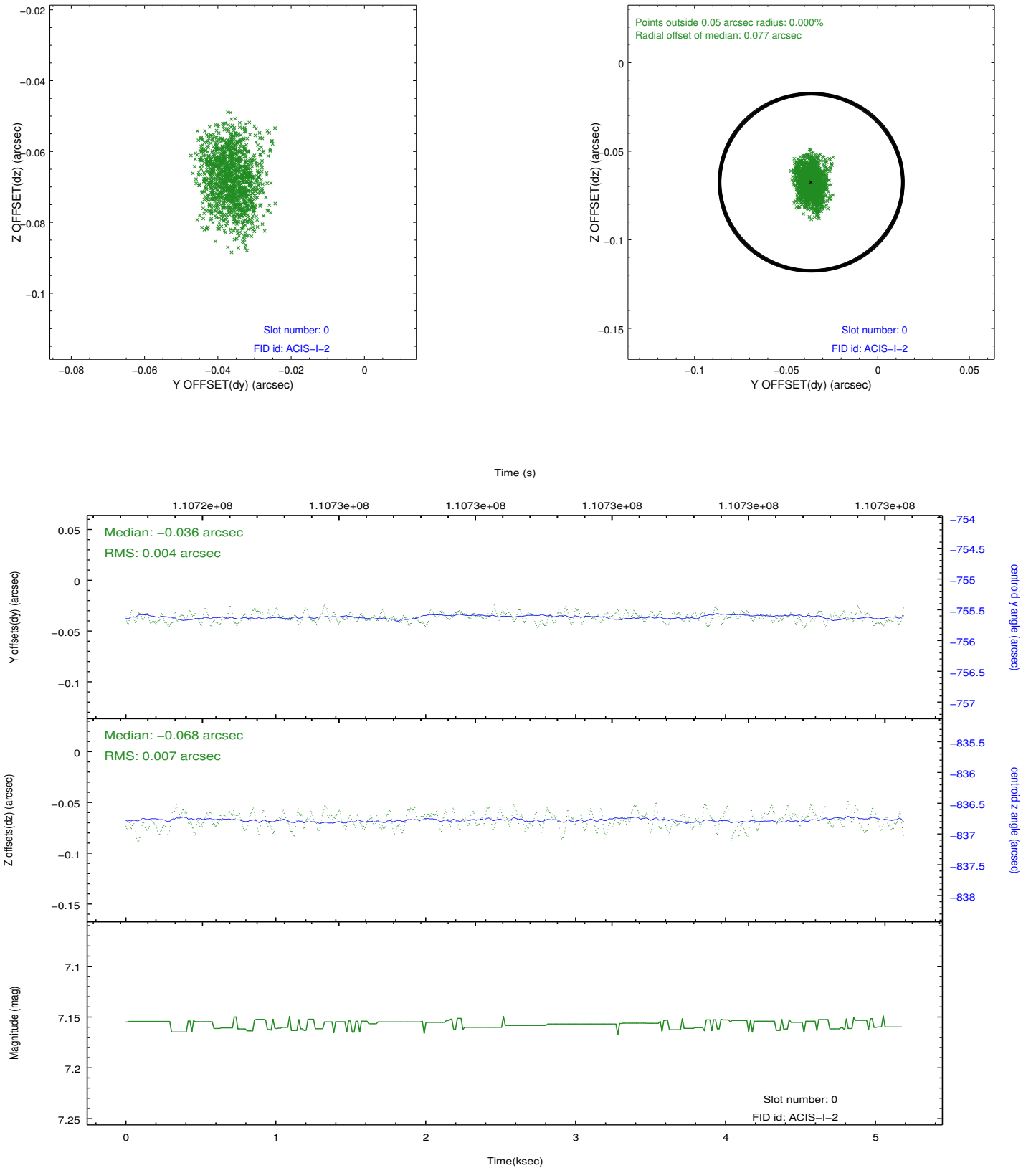


2.4.5 Slot 7

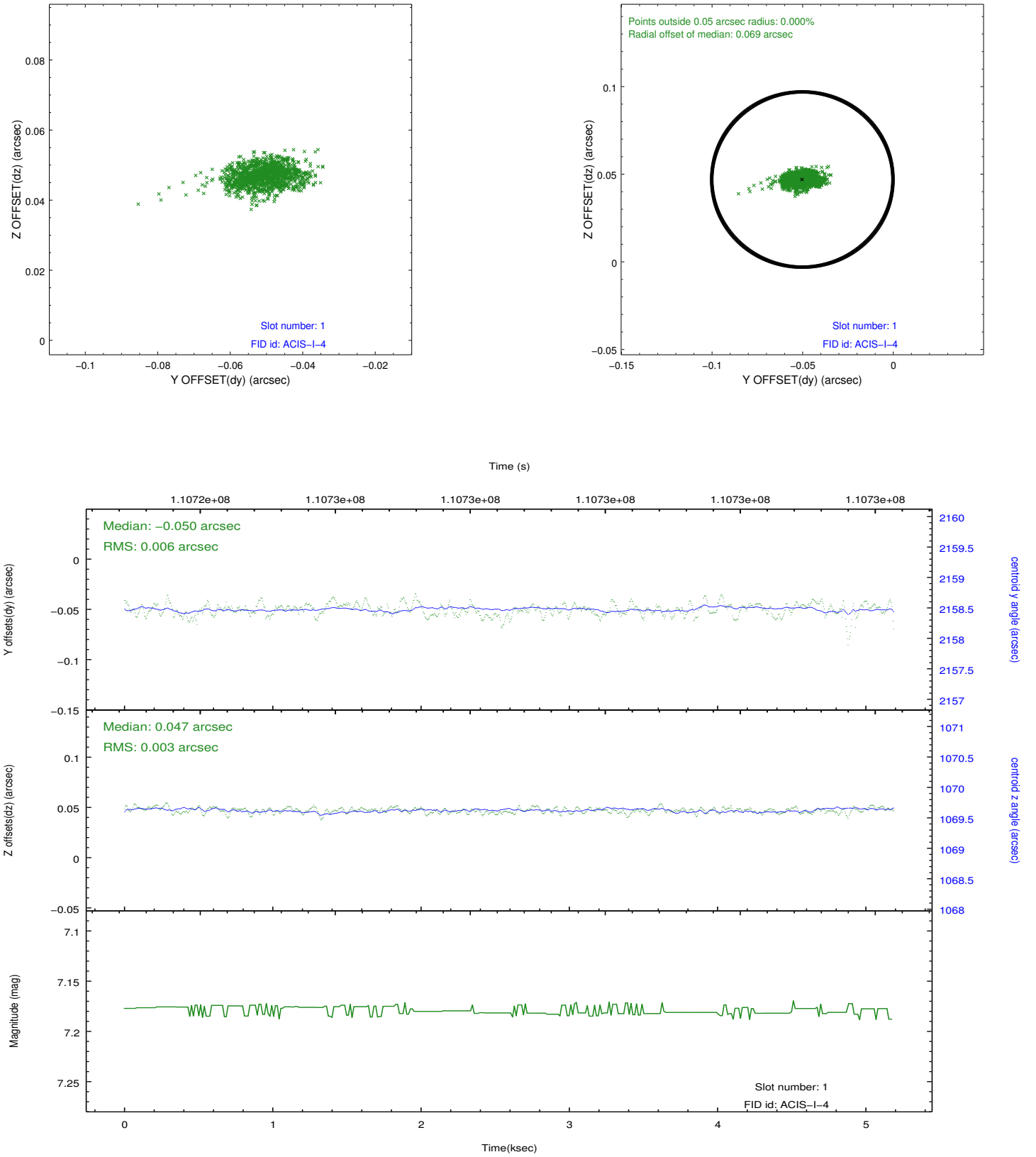


2.5 FID Slots

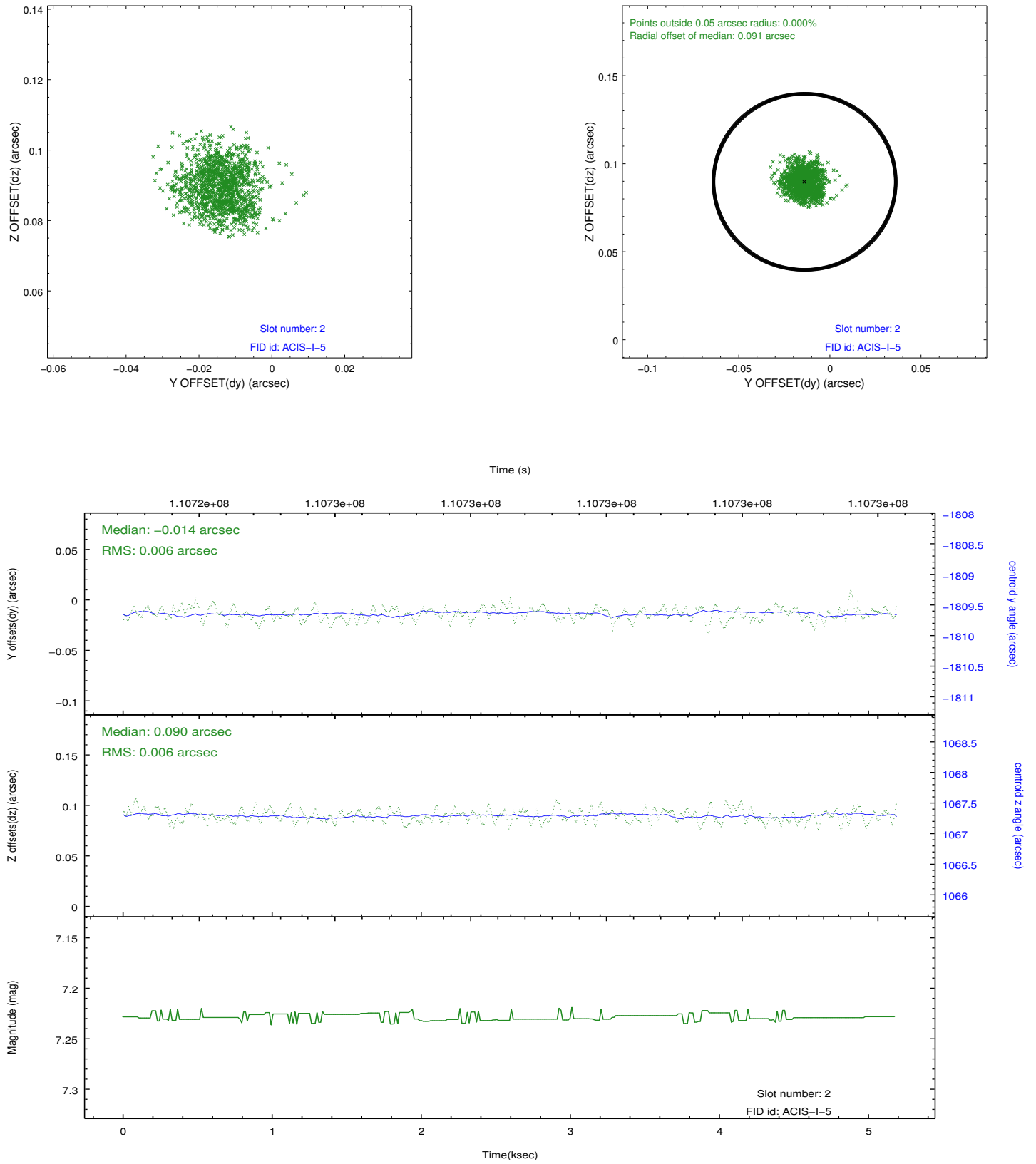
2.5.1 Slot 0



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	4.8

A.2 Comments

Charge time for this observation remains at previous value of 4.8 ksec.