

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1678 - L2 Version 3
Chandra X-Ray Center

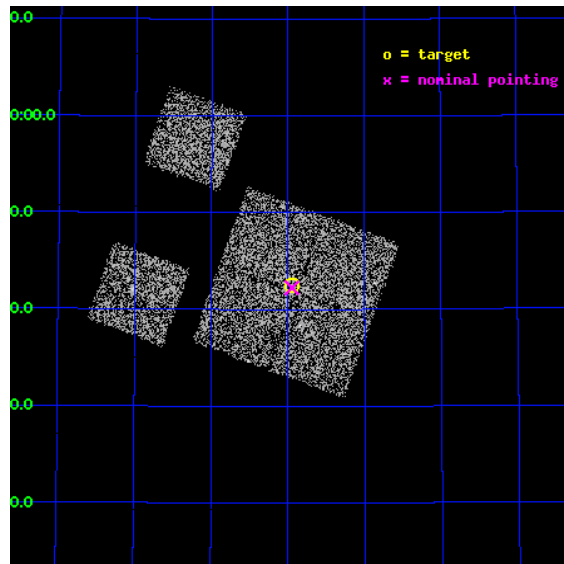
L2 Processing Date : Sep 20 2012

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1 Front

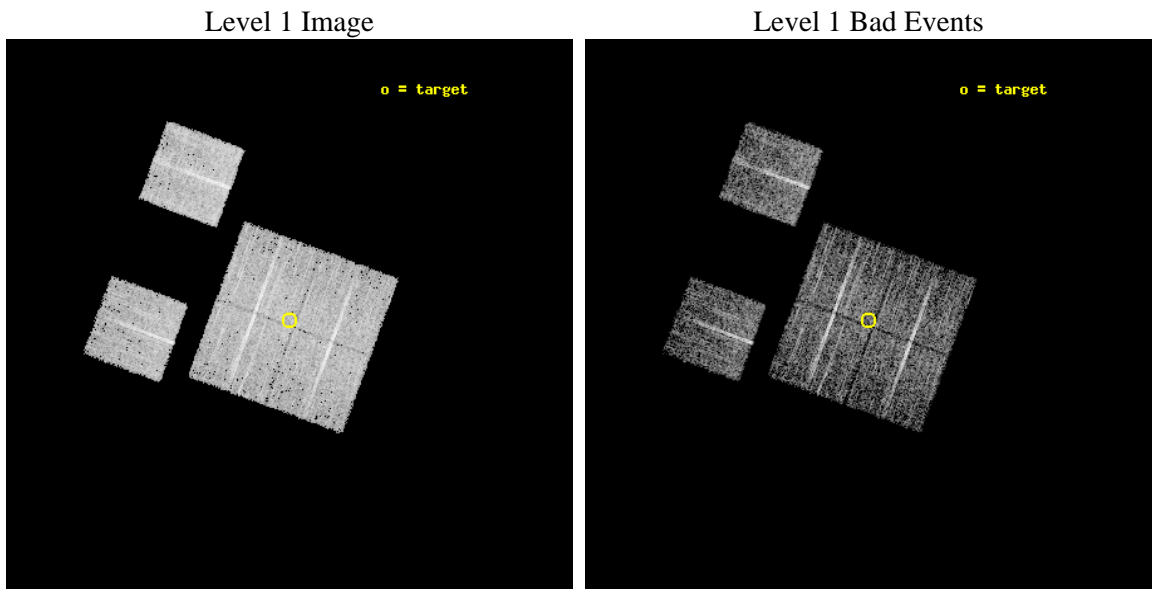
seq_num	900037	Sequence number
obs_id	1678	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #15	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.7375	Observer's specified target RA [deg]
dec_targ	57.708889	Observer's specified target Dec [deg]
ra_nom	162.73698947933	Nominal RA [deg]
dec_nom	57.704072415411	Nominal Dec [deg]
roll_nom	290.17952116191	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	18239	Number of level 2 events



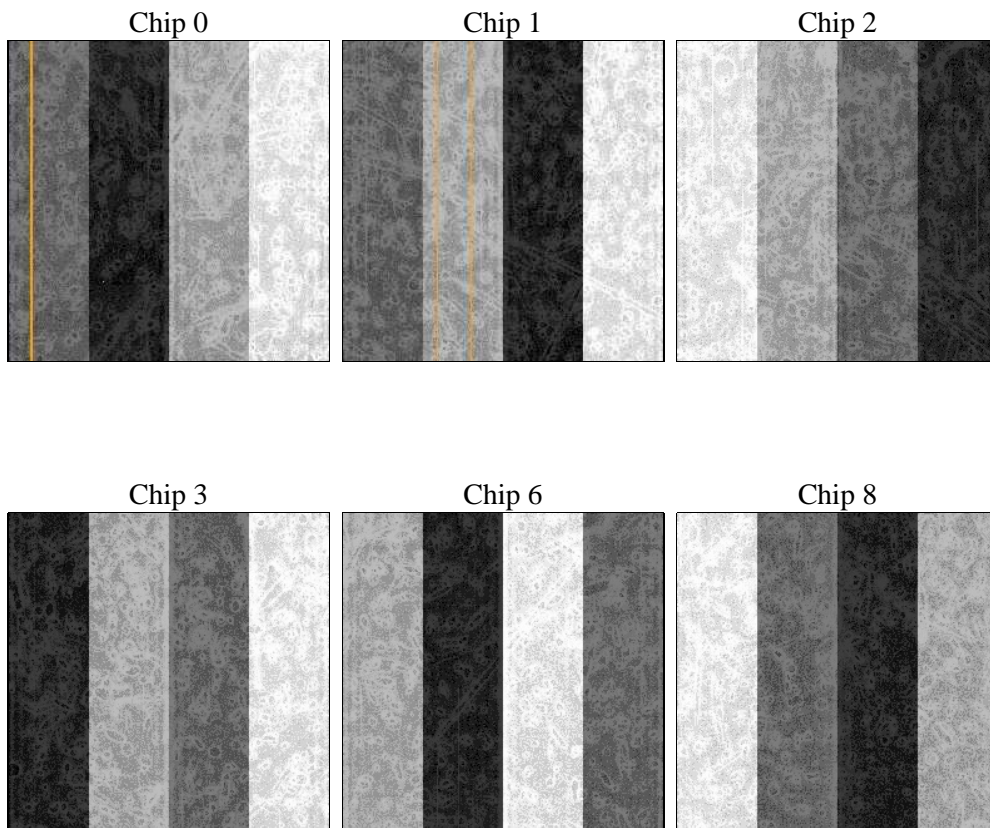
2 OBI

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	2012-09-20T12:39:23	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	191706	Number of level 1 events

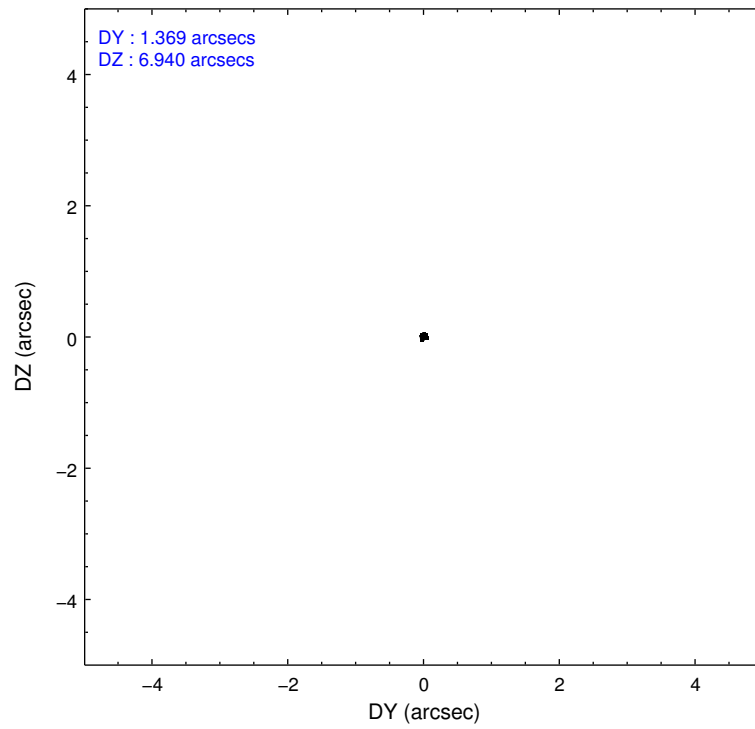
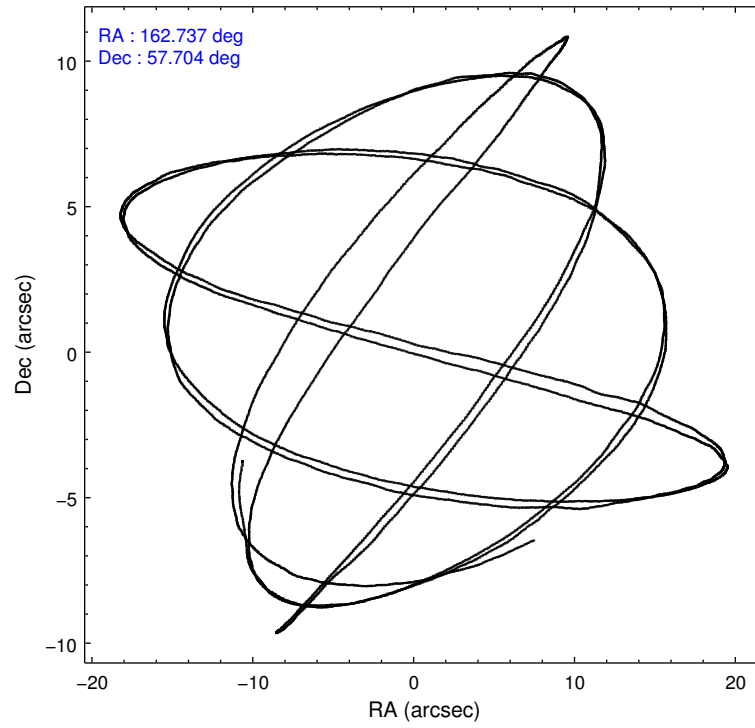
2.1.4 Events

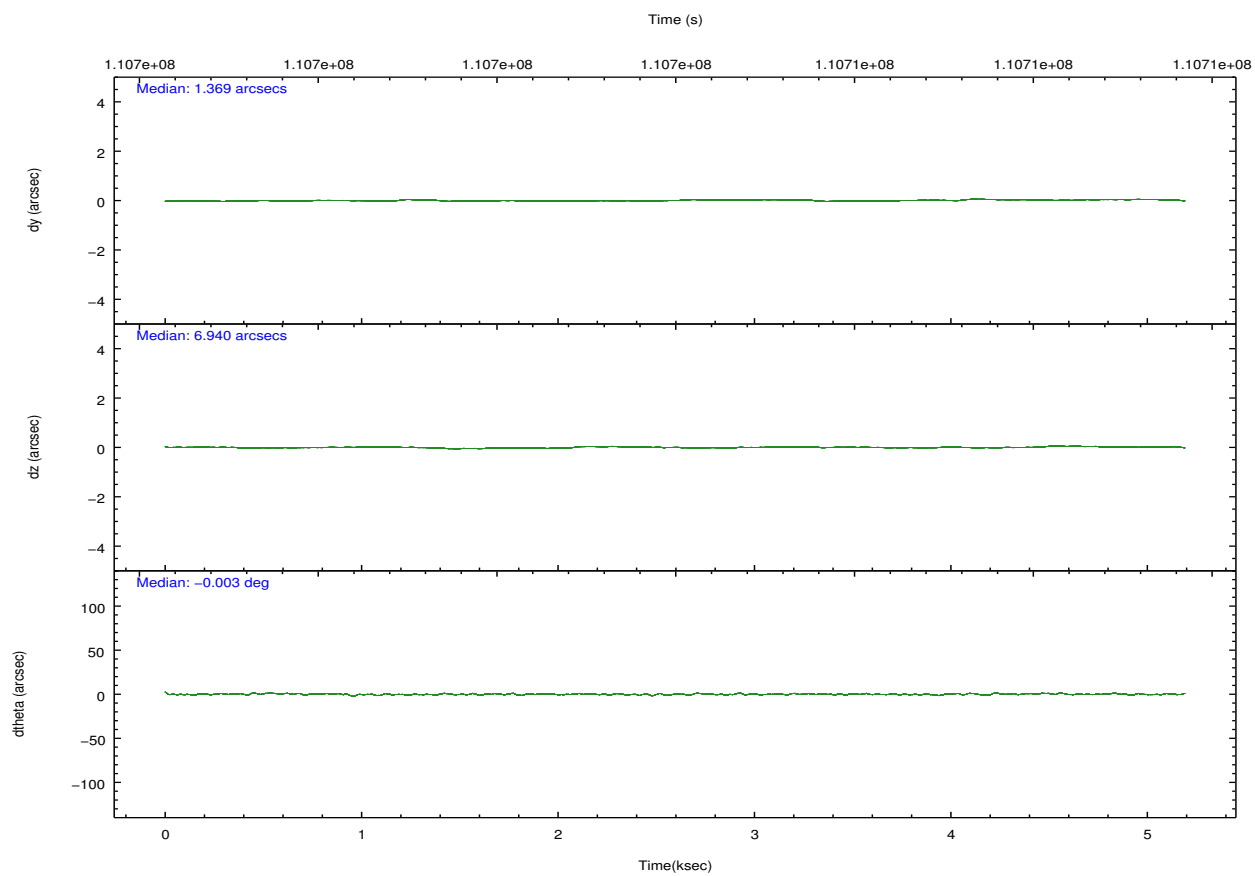
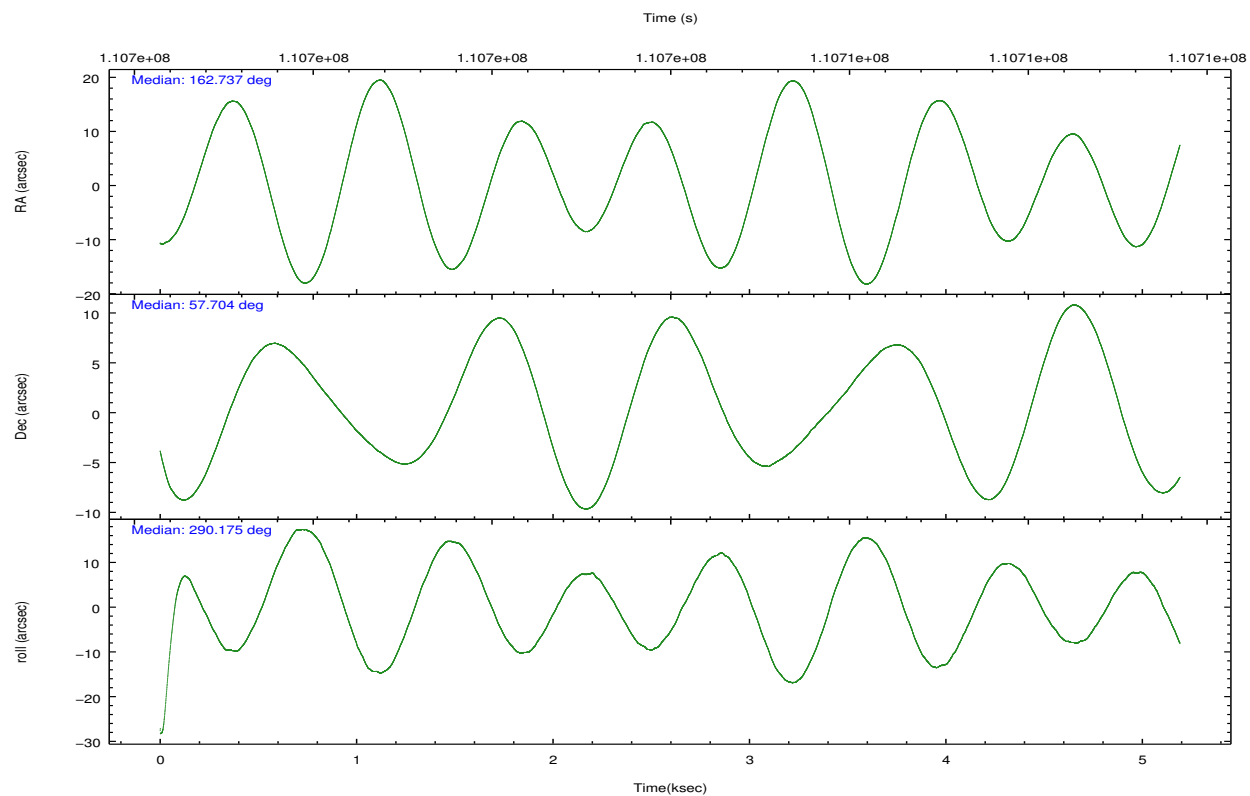
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	28524	29953	30953	32352	29399	40525	grade 0 events	1508	1483	1540	1412	1373	2224
rejected events	24982	26152	27479	28932	25990	32990		5%	4%	4%	4%	4%	5%
rejected %	87%	87%	88%	89%	88%	81%	grade 1 events	24	19	12	17	15	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	767	787	723	762	660	1743
								2%	2%	2%	2%	2%	4%
							grade 3 events	321	379	329	321	378	778
								1%	1%	1%	0%	1%	1%
							grade 4 events	336	397	302	326	356	755
								1%	1%	0%	1%	1%	1%
							grade 5 events	1106	1164	1051	1164	1266	1615
								3%	3%	3%	3%	4%	3%
							grade 6 events	614	758	586	605	653	2044
								2%	2%	1%	1%	2%	5%
							grade 7 events	23848	24966	26410	27745	24698	31344
								83%	83%	85%	85%	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	162.697567	162.7369894793269	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.721708	57.70407241541073	Alternating exposures requested	N	N
[deg] Pointing Roll	290.004168	290.179521161909	[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)	110702593.184000	110702091.3086			
Observation start date	2001-07-05T06:42:09	2001-07-05T06:34:51			
[s] Observation end time (MET)	110707593.184000	110707852.83382			
Observation end date	2001-07-05T08:05:29	2001-07-05T08:10:52			
Read mode	TIMED	TIMED			

2.3 Aspect



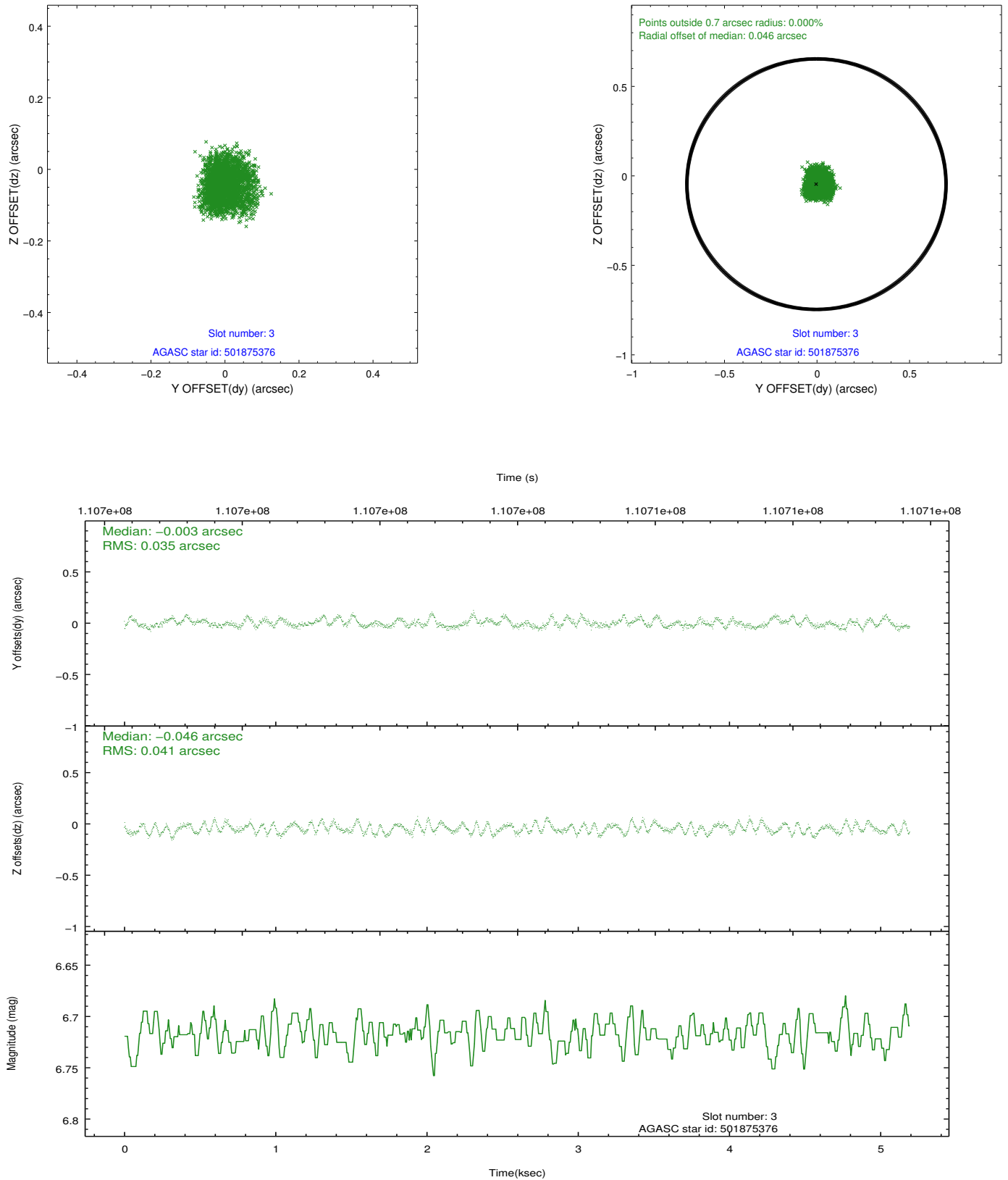


Slot Statistics

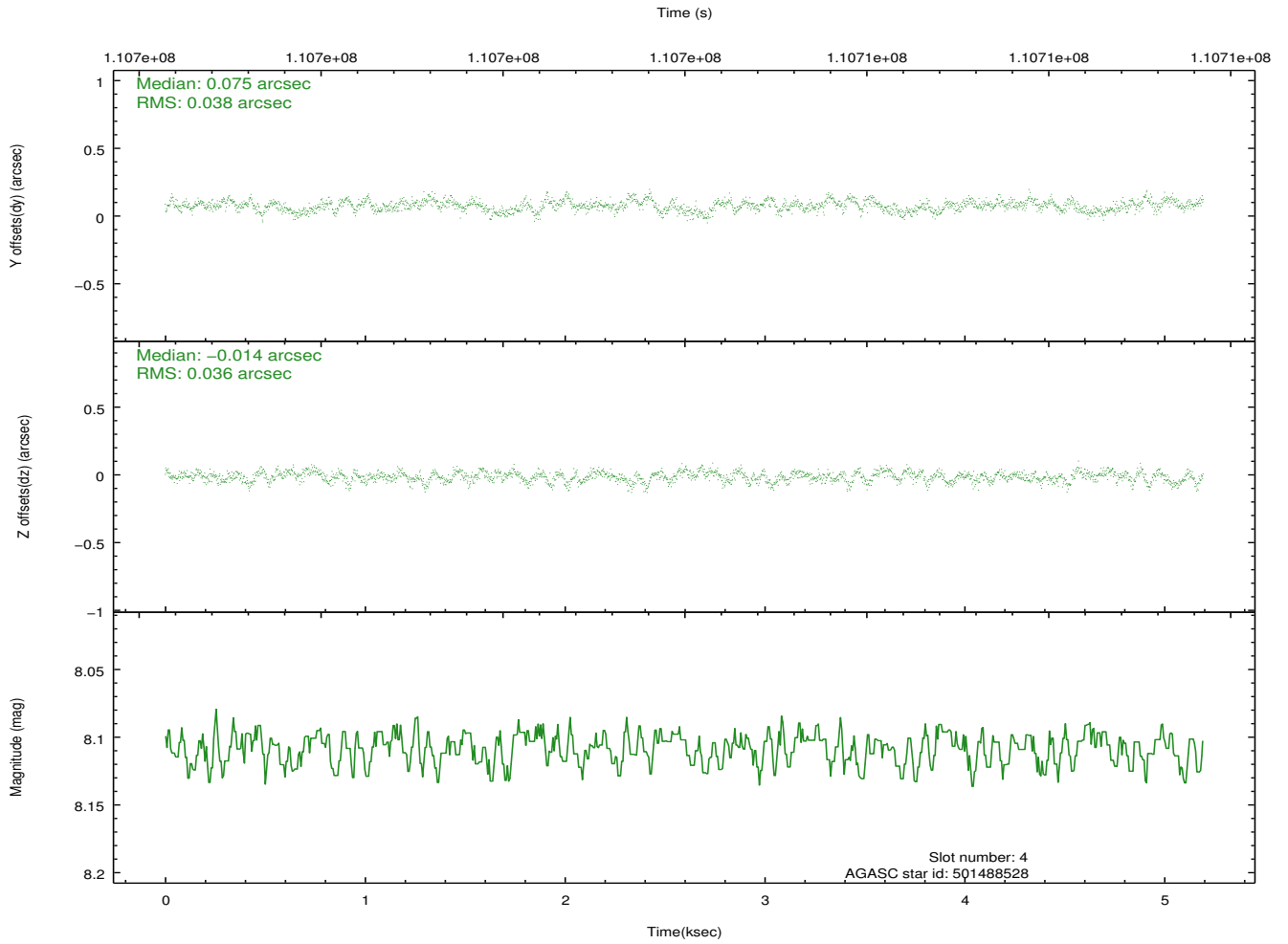
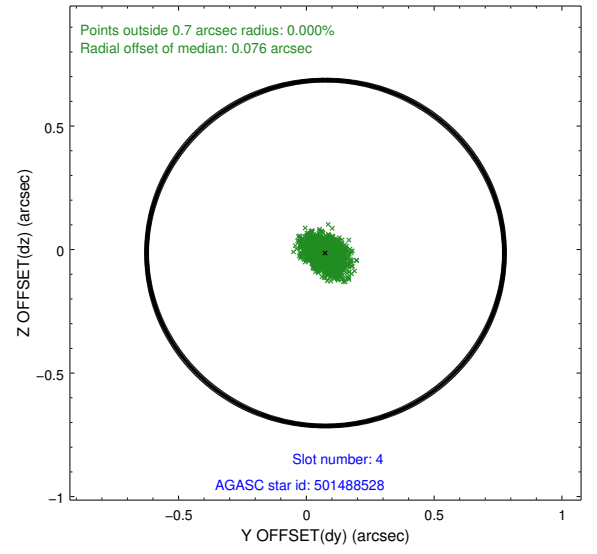
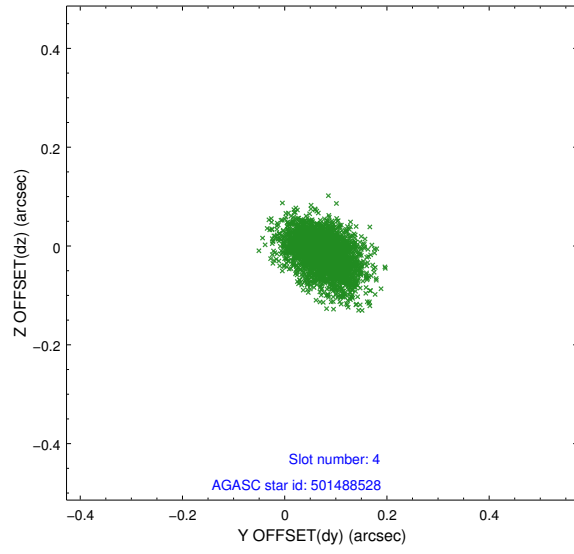
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1267	-0.038	-0.068	0.009	0.015	0.000000	0.000000	-755.74	-836.77
1	FID	ACIS-I-4	7.18	1267	-0.046	0.048	0.006	0.010	0.000000	0.000000	2157.77	1068.96
2	FID	ACIS-I-5	7.23	1265	-0.017	0.089	0.009	0.015	0.000000	0.000000	-1808.06	1068.14
3	GUIDE	501875376	6.72	2534	-0.003	-0.046	0.059	0.090	164.111621	57.502963	1648.18	2310.85
4	GUIDE	501488528	8.11	2534	0.075	-0.014	0.056	0.093	162.150935	57.312270	1017.98	-1499.88
5	GUIDE	501876472	9.00	2533	-0.075	0.048	0.082	0.133	163.621724	57.867447	100.72	1846.26
6	GUIDE	501875064	9.13	2532	0.040	0.070	0.088	0.143	163.017696	58.369846	-1987.56	1367.51
7	GUIDE	501876968	9.39	2530	-0.035	-0.065	0.104	0.166	161.243582	57.954681	-1767.25	-2311.52

2.4 Star Slots

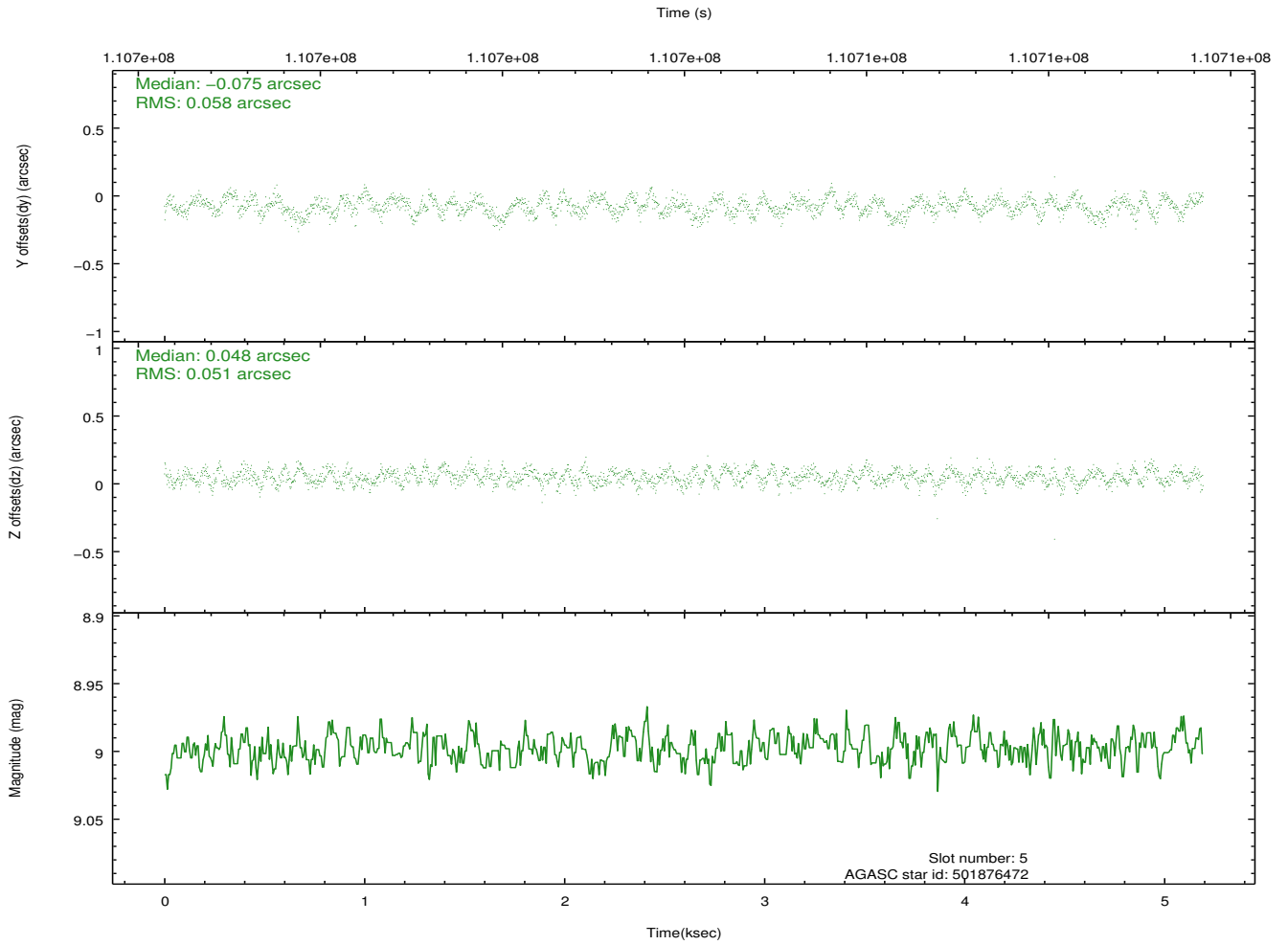
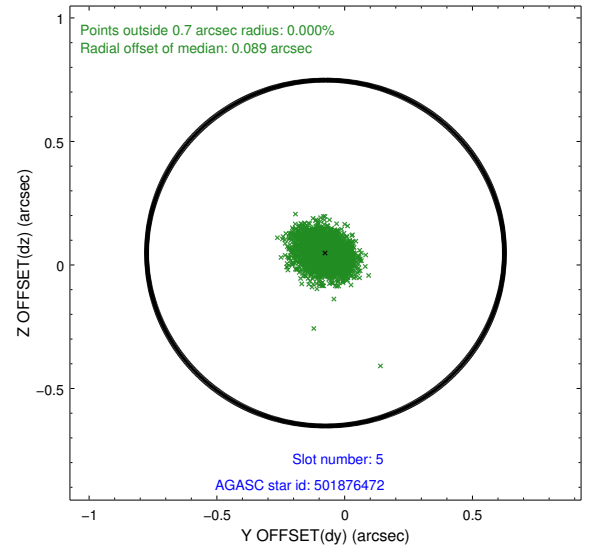
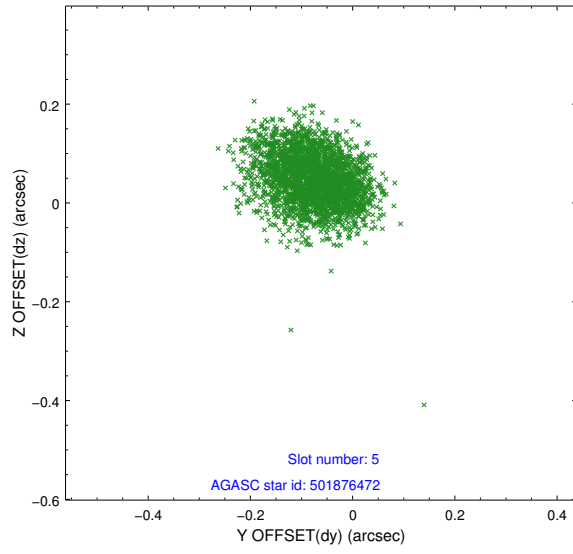
2.4.1 Slot 3



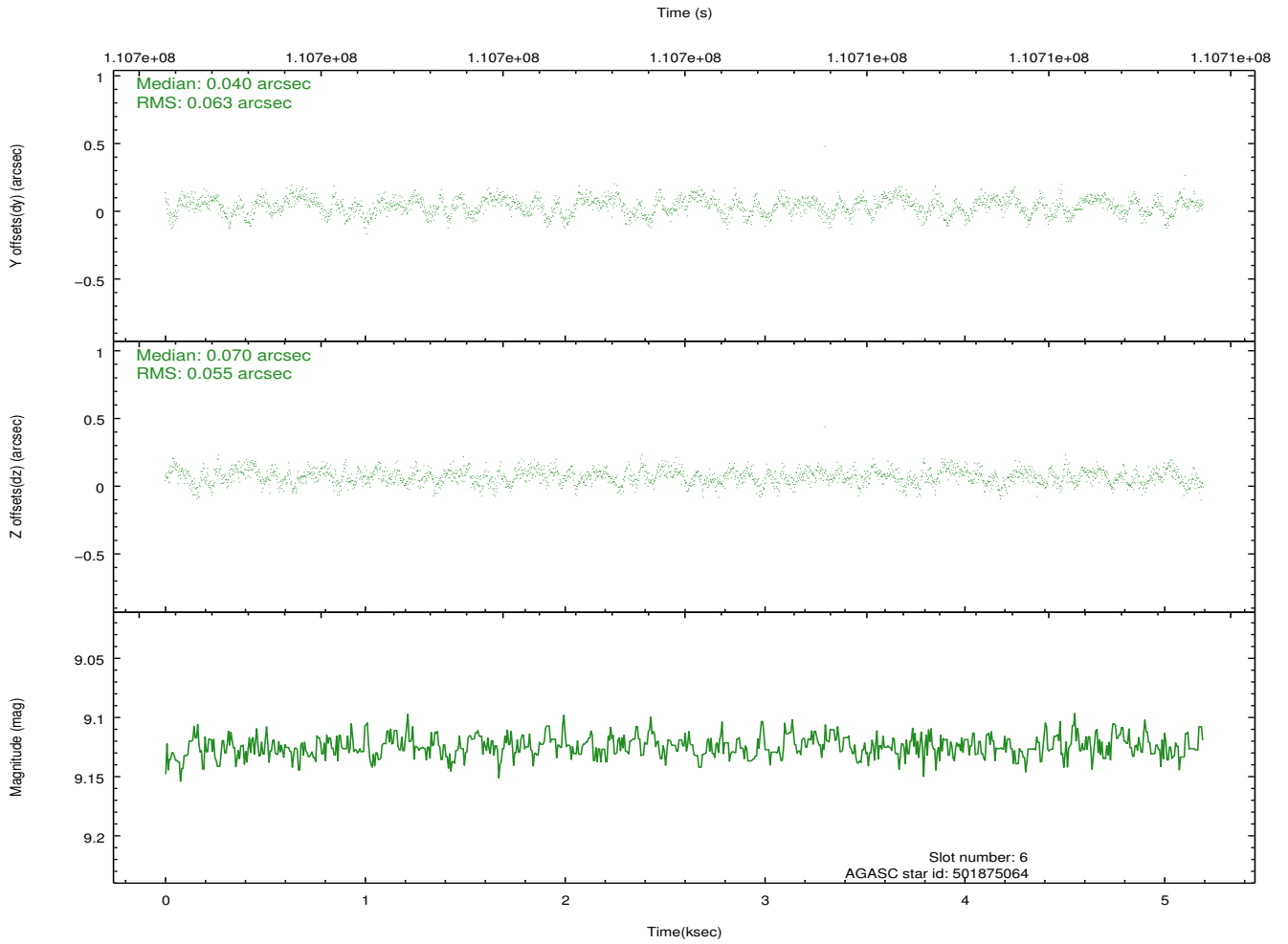
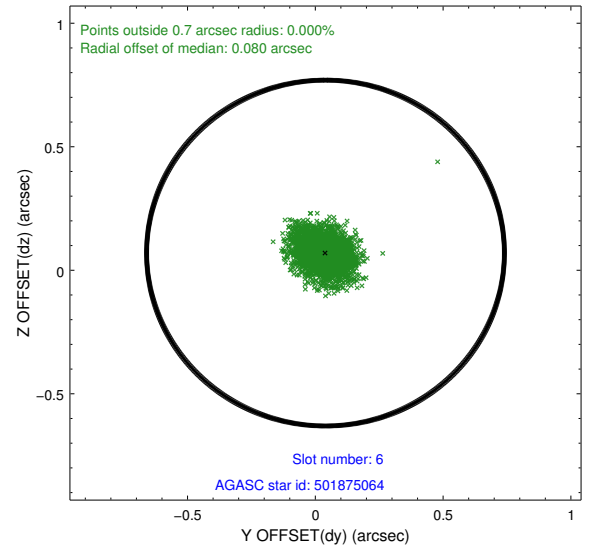
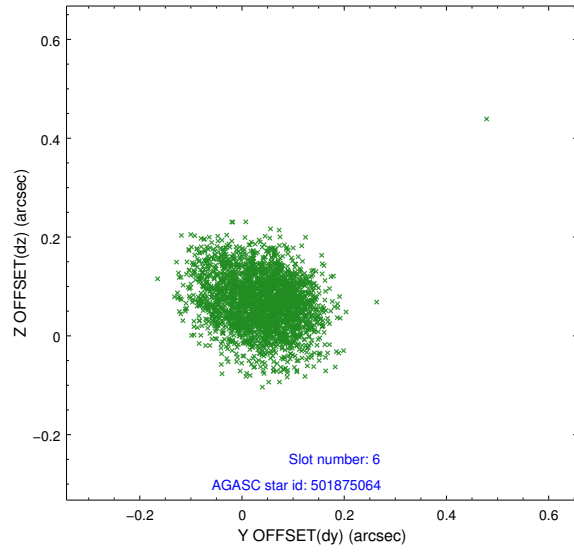
2.4.2 Slot 4



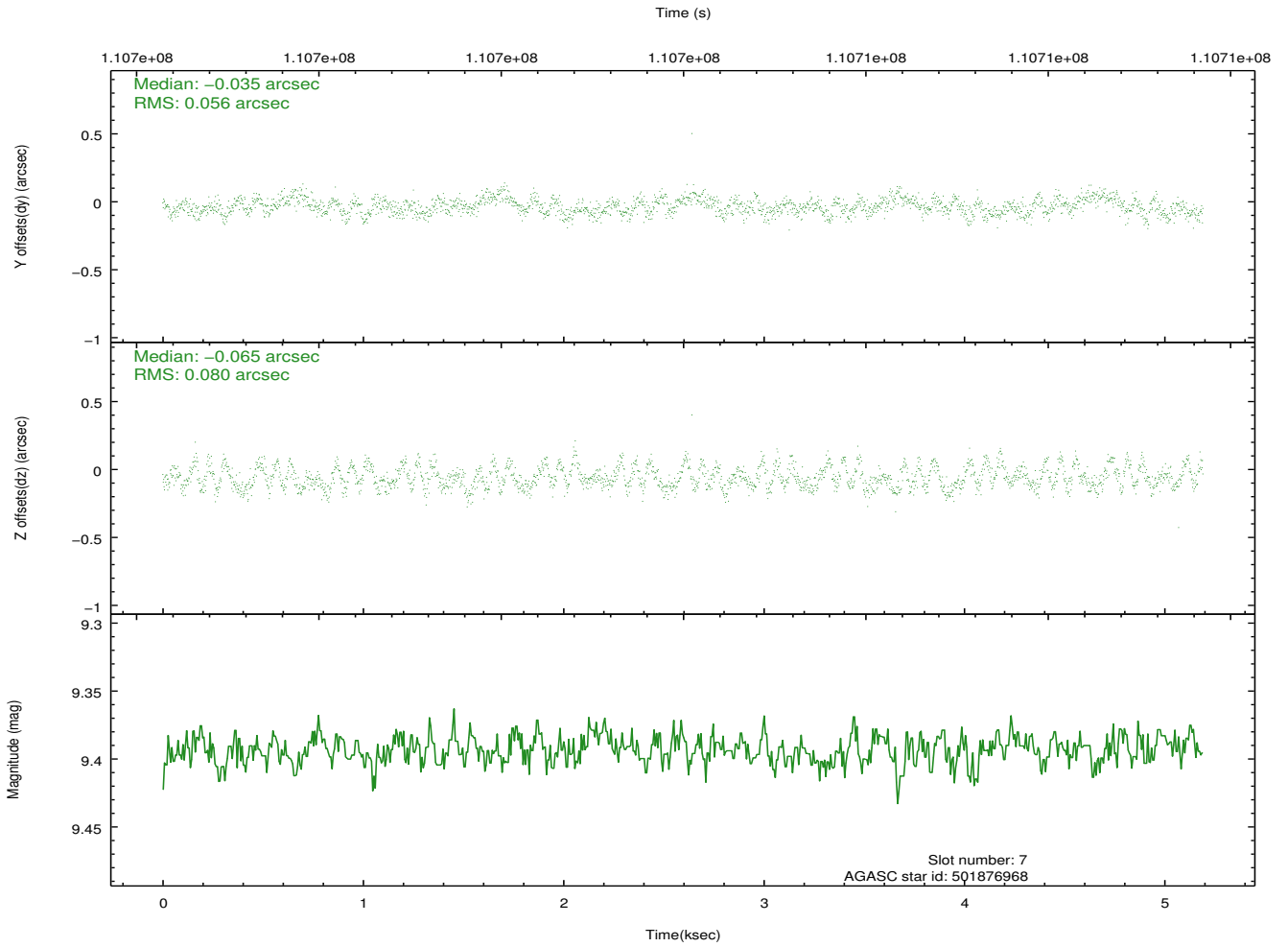
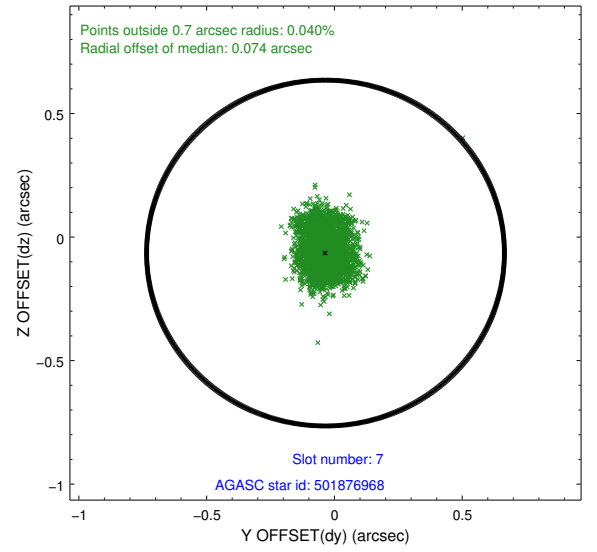
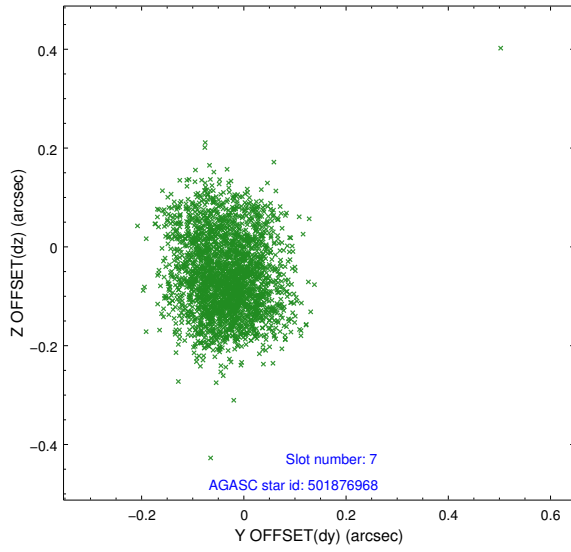
2.4.3 Slot 5



2.4.4 Slot 6

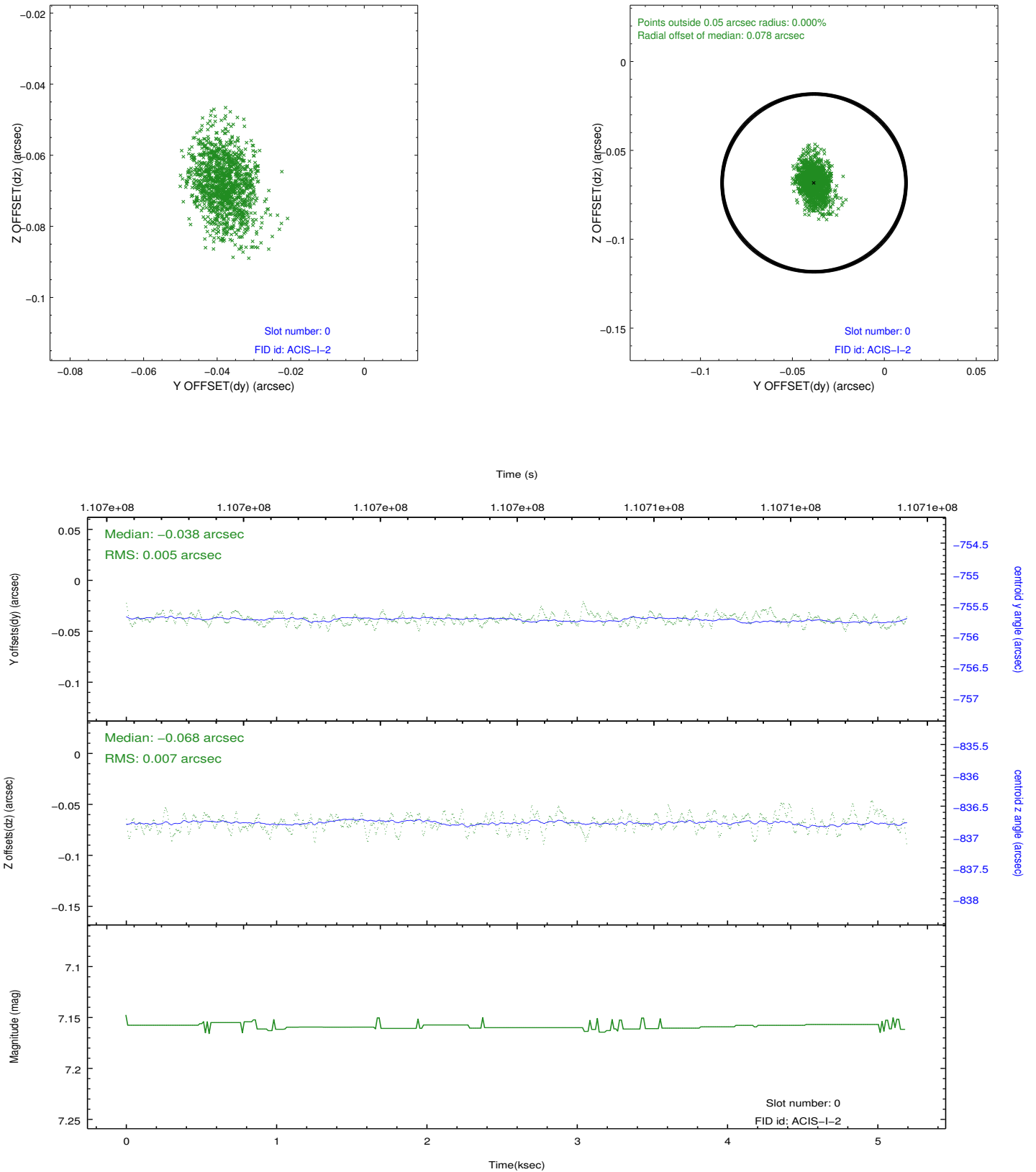


2.4.5 Slot 7

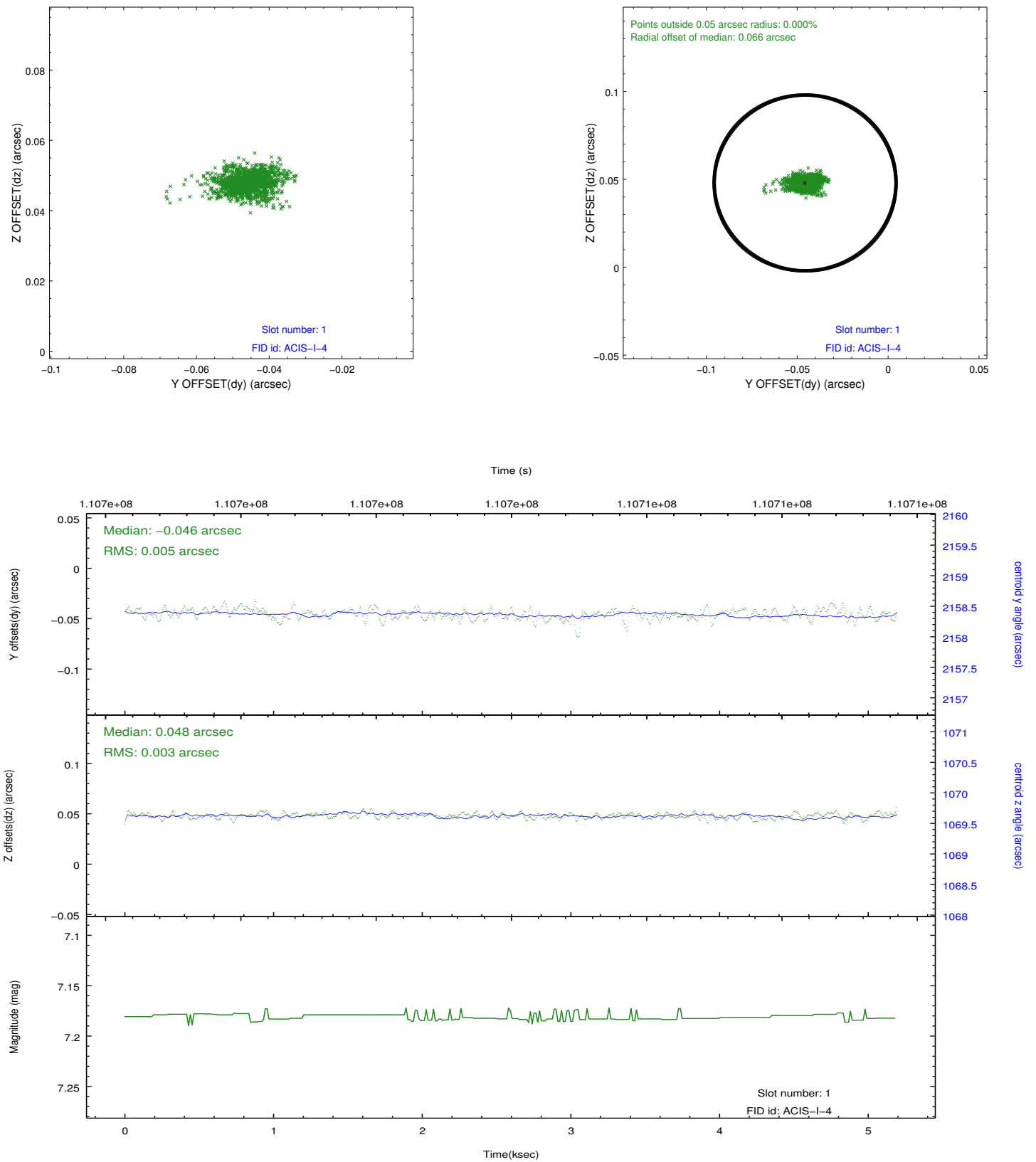


2.5 FID Slots

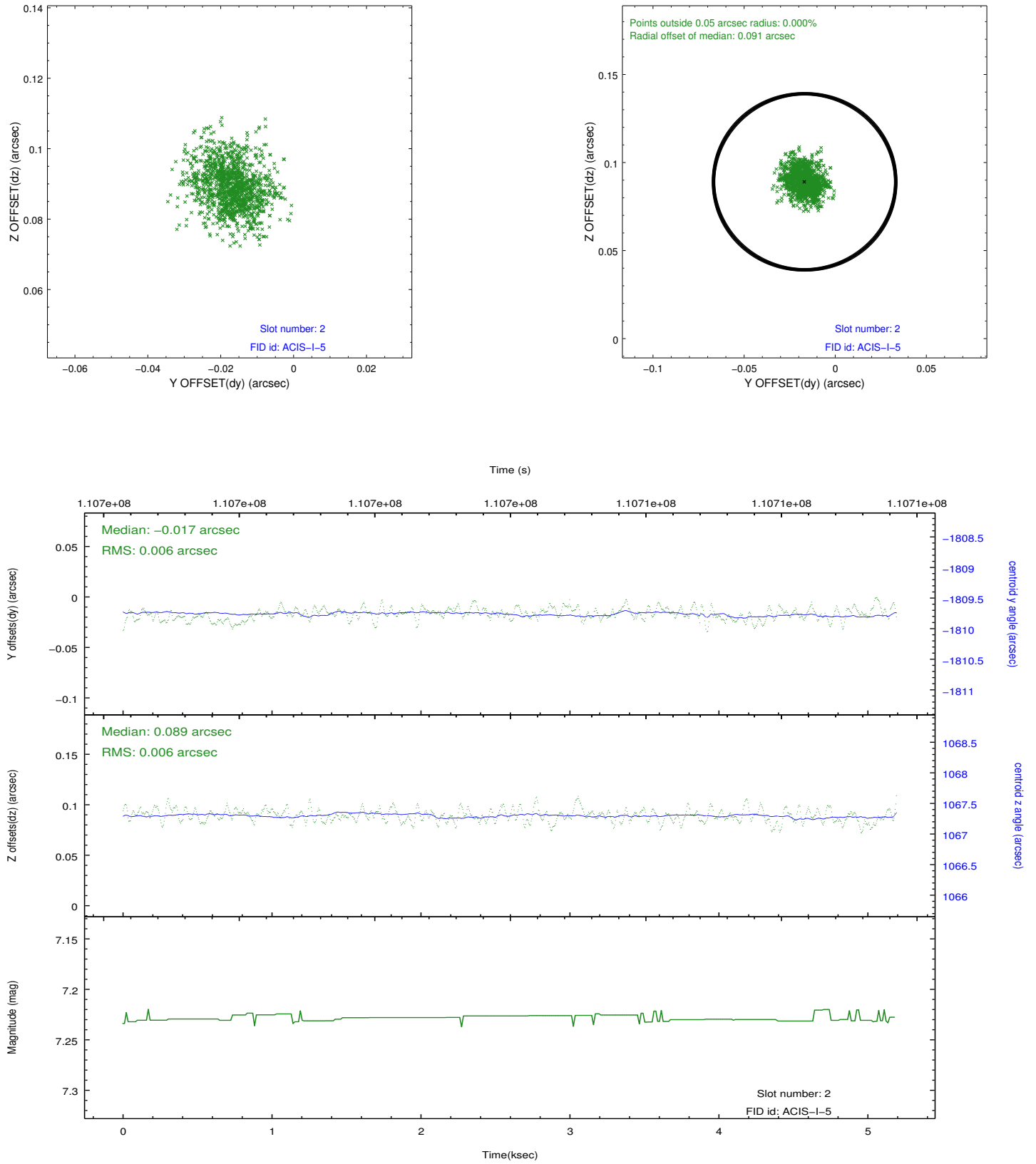
2.5.1 Slot 0



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.