

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1684 - L2 Version 4
Chandra X-Ray Center

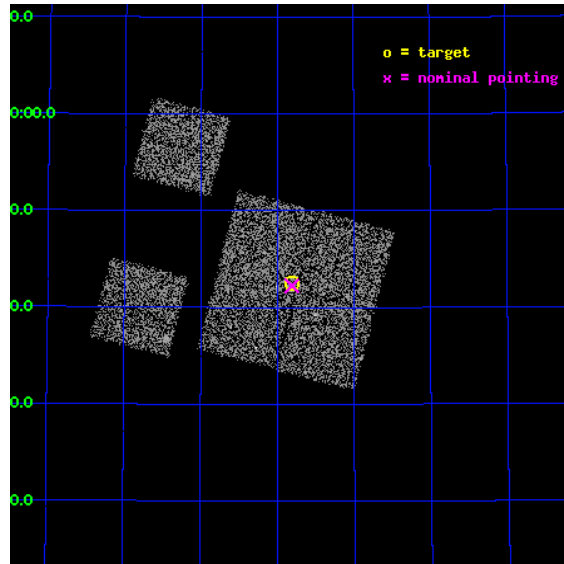
L2 Processing Date : Sep 20 2012

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1 Front

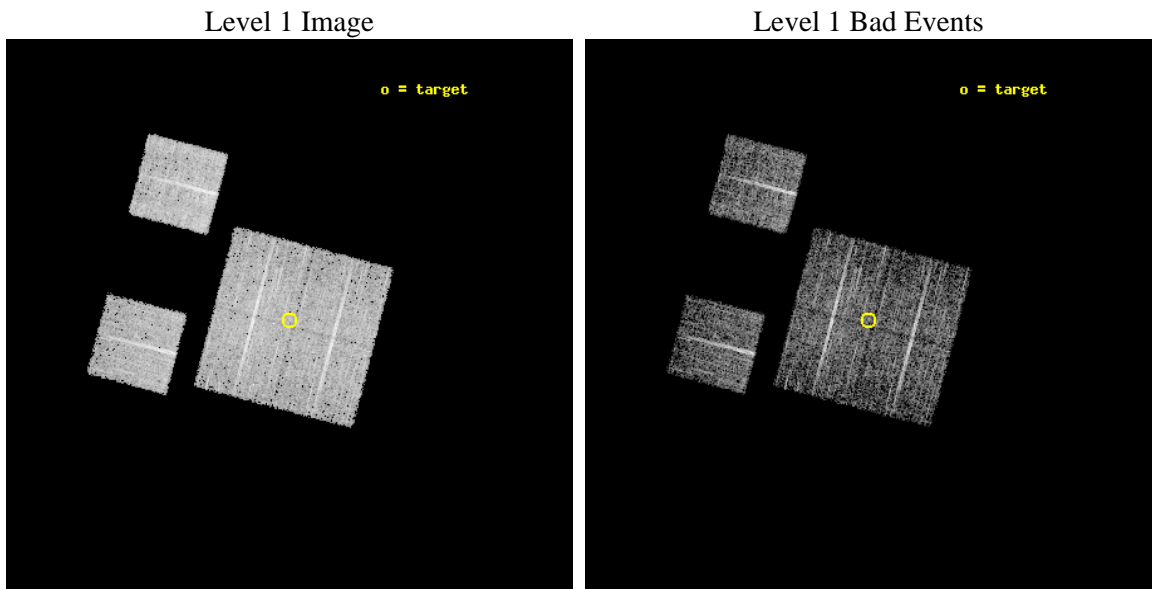
seq_num	900043	Sequence number
obs_id	1684	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #16	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.204167	Observer's specified target RA [deg]
dec_targ	57.708889	Observer's specified target Dec [deg]
ra_nom	163.20283189806	Nominal RA [deg]
dec_nom	57.704191338648	Nominal Dec [deg]
roll_nom	284.71167526788	Nominal Roll [deg]
revision	4	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	18312	Number of level 2 events



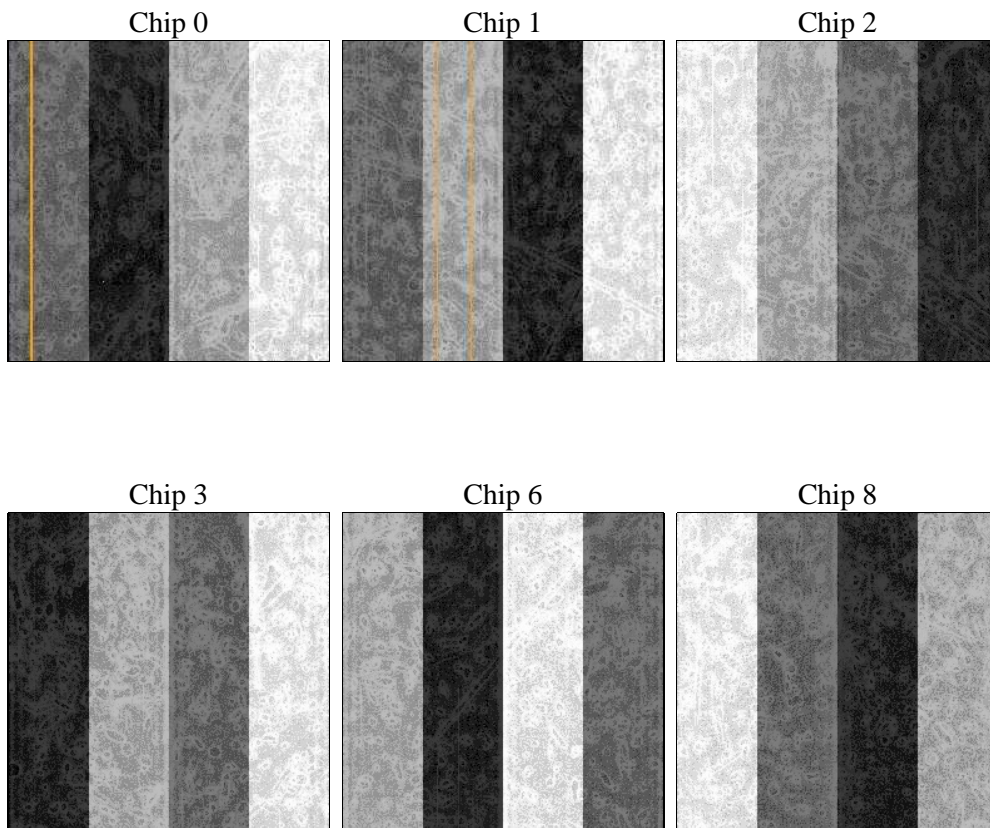
2 OBI

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	2012-09-20T12:41:39	Date and time of file creation	ontime1	4758.4000044167	Sum of GTIs [s]
revision	4	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	189606	Number of level 1 events

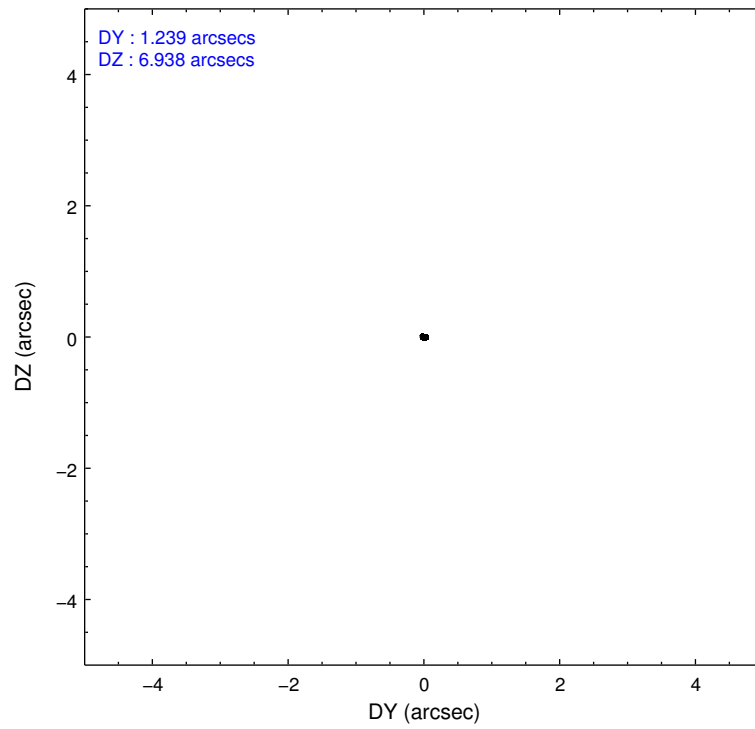
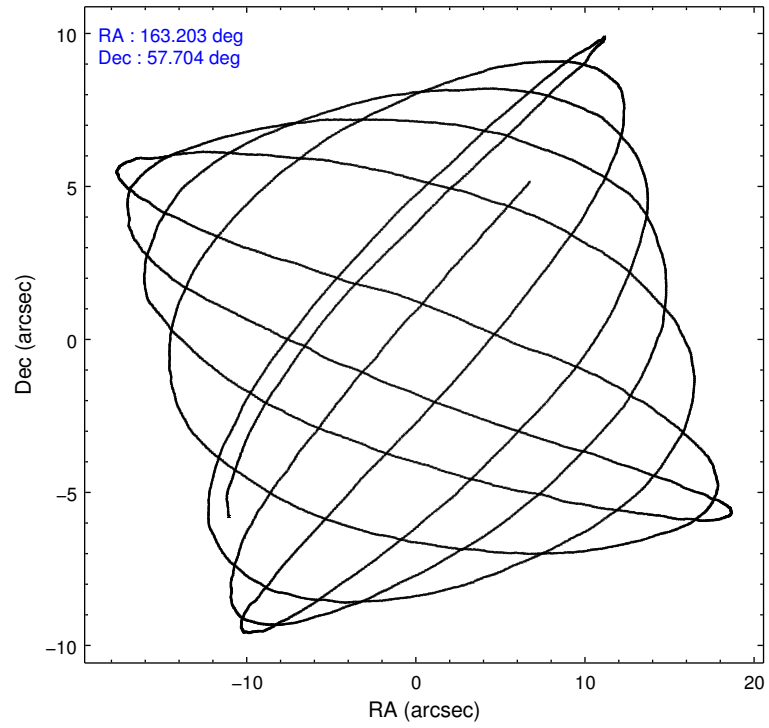
2.1.4 Events

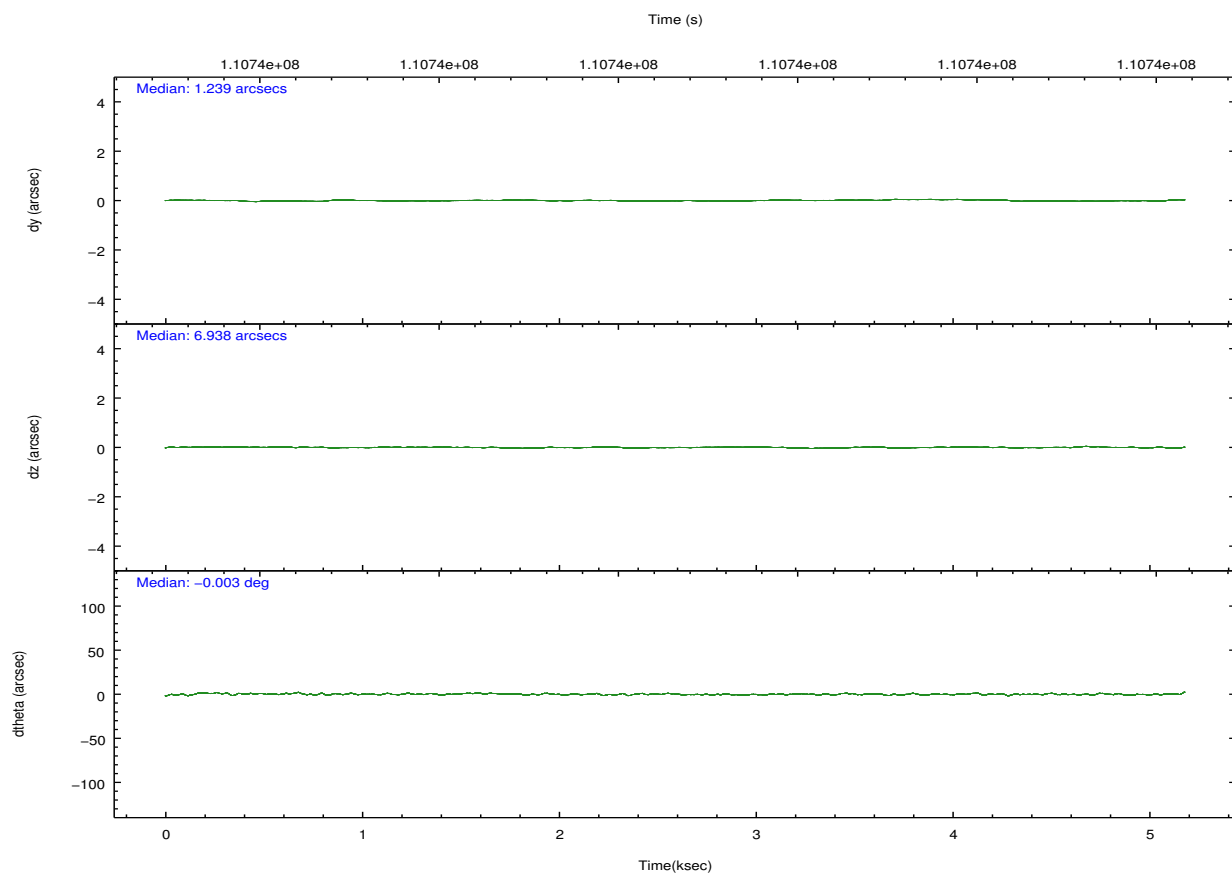
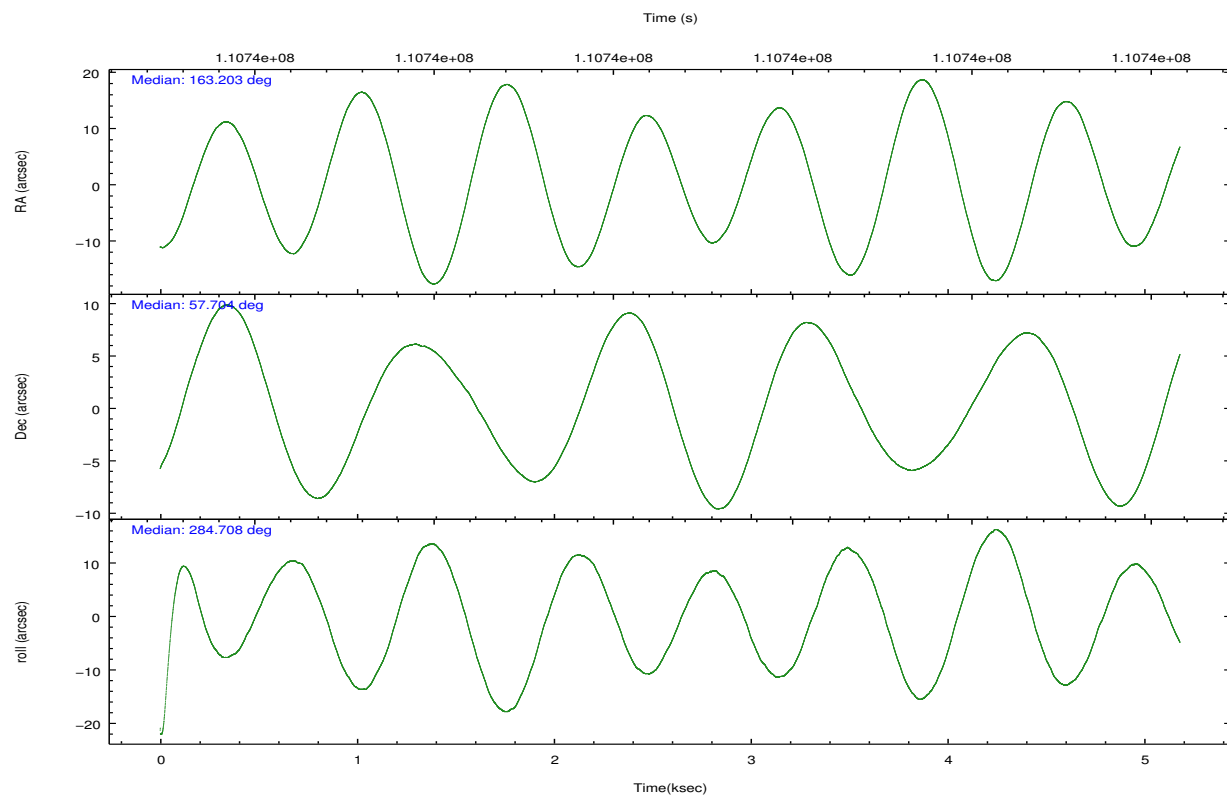
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	28214	28786	30620	31251	30325	40410	grade 0 events	1529	1485	1657	1461	1360	2358
rejected events	24683	25079	26993	27875	26927	32745		5%	5%	5%	4%	4%	5%
rejected %	87%	87%	88%	89%	88%	81%	grade 1 events	13	17	17	16	16	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	712	797	770	707	683	1605
								2%	2%	2%	2%	2%	3%
							grade 3 events	363	363	314	315	324	819
								1%	1%	1%	1%	1%	2%
							grade 4 events	332	393	309	310	332	803
								1%	1%	1%	0%	1%	1%
							grade 5 events	1088	1175	1020	1149	1189	1594
								3%	4%	3%	3%	3%	3%
							grade 6 events	601	673	582	586	703	2083
								2%	2%	1%	1%	2%	5%
							grade 7 events	23576	23883	25951	26707	25718	31122
								83%	82%	84%	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	163.166695	163.2028318980602	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.723682	57.7041913386477	Alternating exposures requested	N	N
[deg] Pointing Roll	284.533551	284.7116752678834	[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)	110735905.184000	110735529.37241			
Observation start date	2001-07-05T15:57:21	2001-07-05T15:52:09			
[s] Observation end time (MET)	110740905.184000	110741039.77262			
Observation end date	2001-07-05T17:20:41	2001-07-05T17:23:59			
Read mode	TIMED	TIMED			

2.3 Aspect



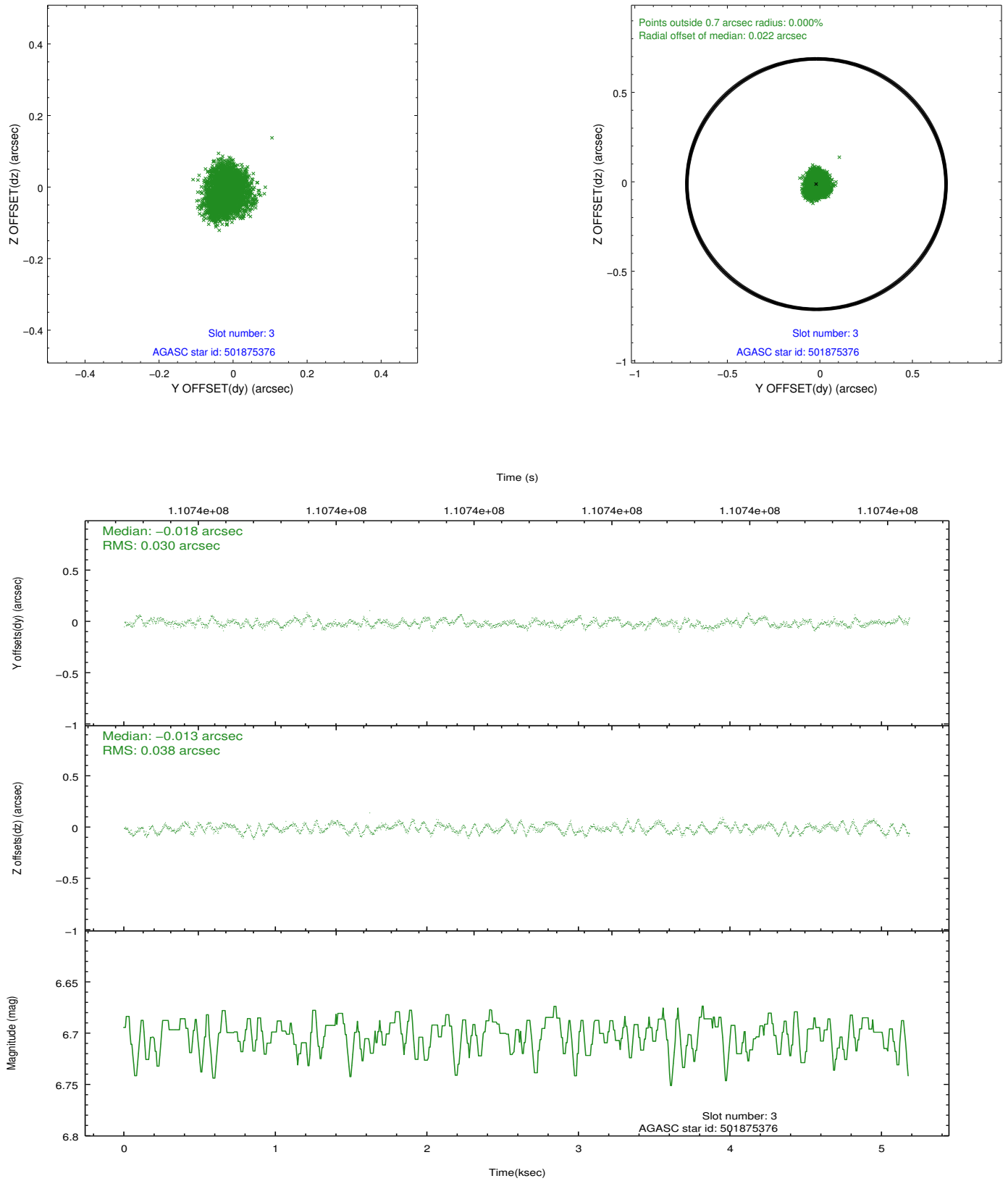


Slot Statistics

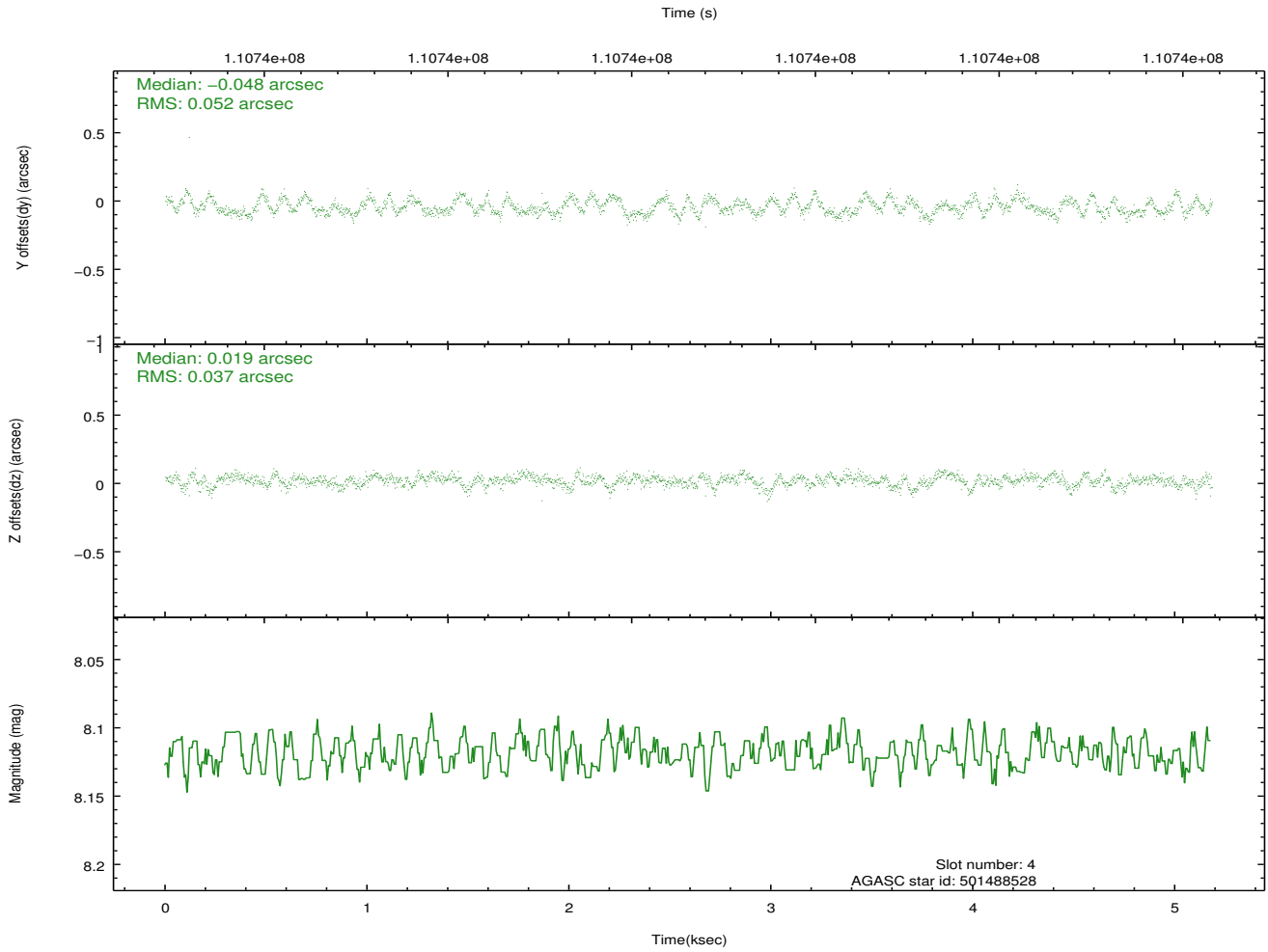
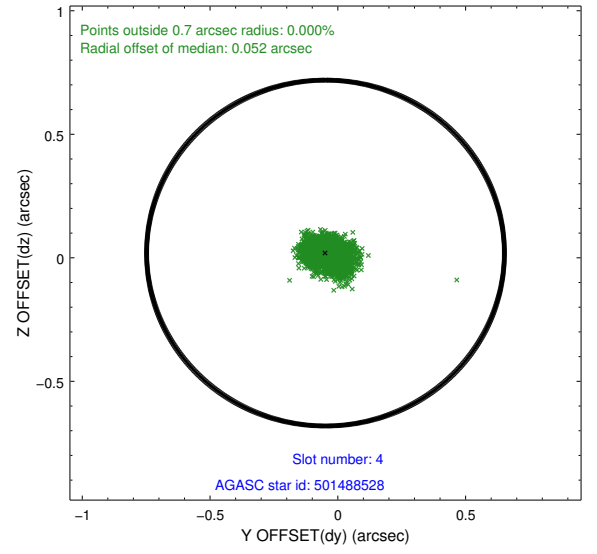
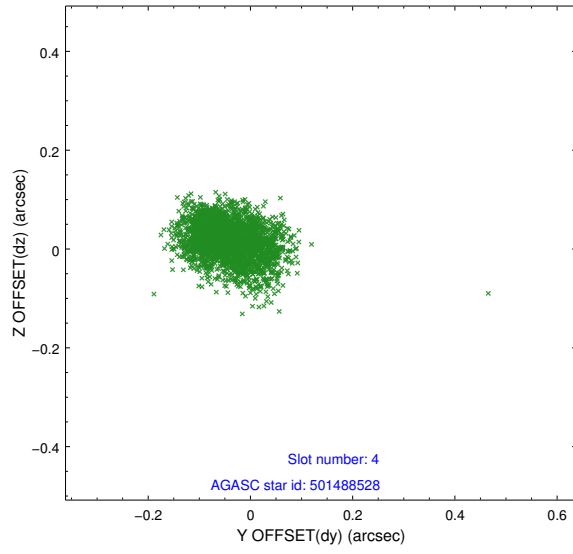
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1264	-0.036	-0.070	0.009	0.016	0.000000	0.000000	-755.60	-836.77
1	FID	ACIS-I-4	7.18	1264	-0.050	0.047	0.006	0.011	0.000000	0.000000	2157.90	1068.97
2	FID	ACIS-I-5	7.23	1264	-0.016	0.092	0.009	0.015	0.000000	0.000000	-1807.92	1068.15
3	GUIDE	501875376	6.70	2529	-0.018	-0.013	0.053	0.080	164.111621	57.502963	1215.36	1572.90
4	GUIDE	501488528	8.12	2528	-0.048	0.019	0.067	0.109	162.150935	57.312270	924.50	-2278.93
5	GUIDE	501876472	8.99	2529	0.061	0.054	0.075	0.124	163.621724	57.867447	-284.82	972.97
6	GUIDE	501877264	9.30	2529	-0.032	0.008	0.071	0.113	163.254394	57.702218	116.84	144.37
7	GUIDE	501875064	9.11	2527	0.033	-0.067	0.080	0.128	163.017696	58.369846	-2322.54	310.98

2.4 Star Slots

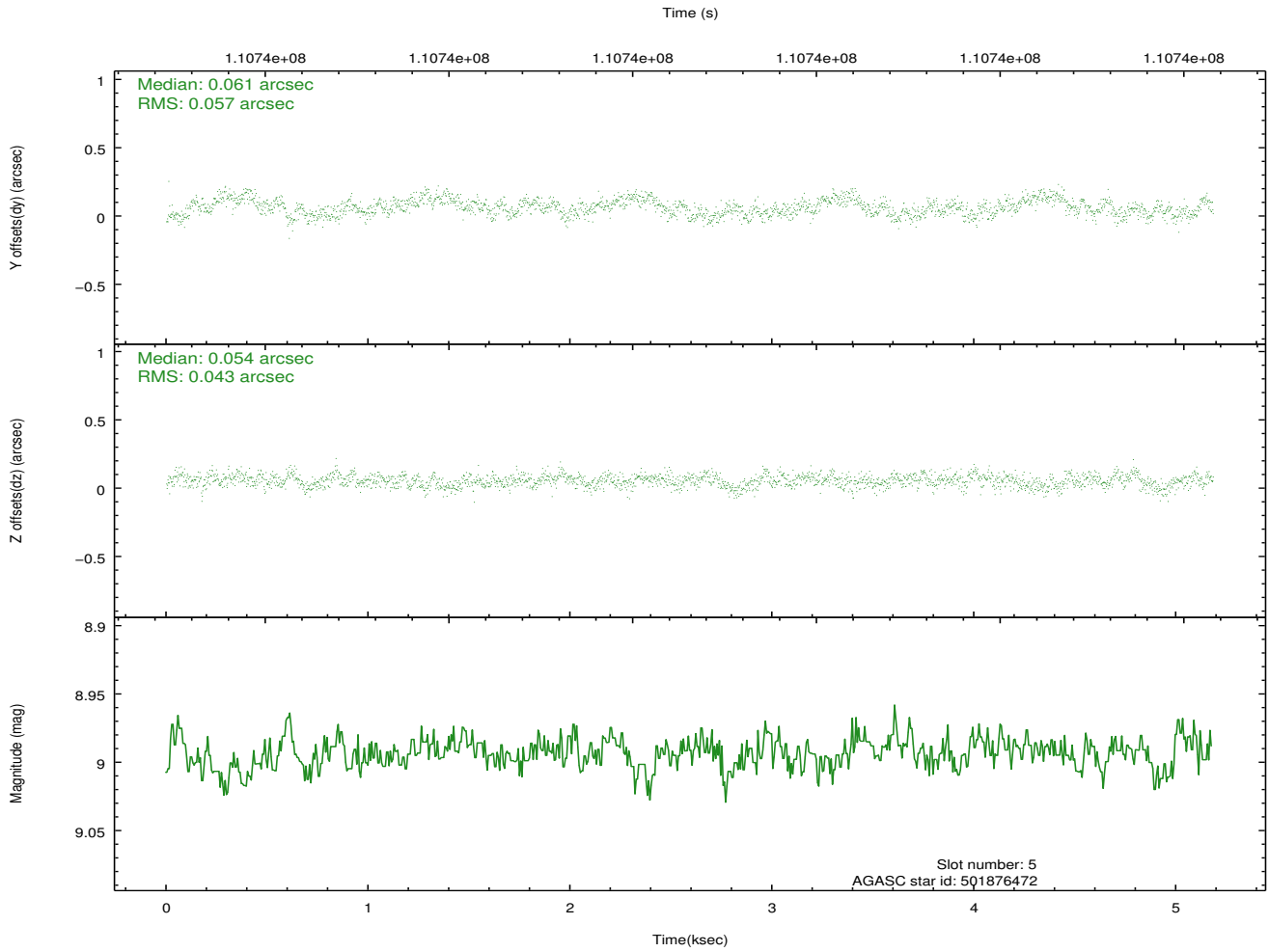
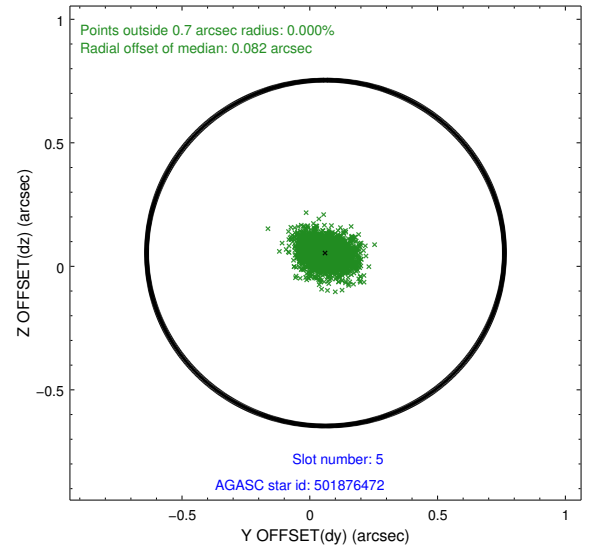
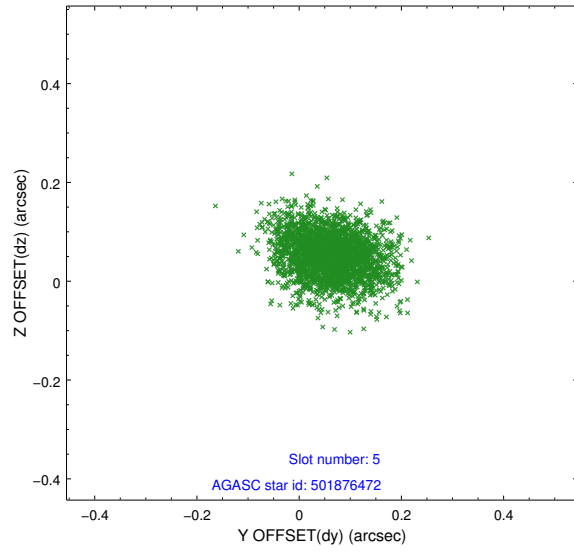
2.4.1 Slot 3



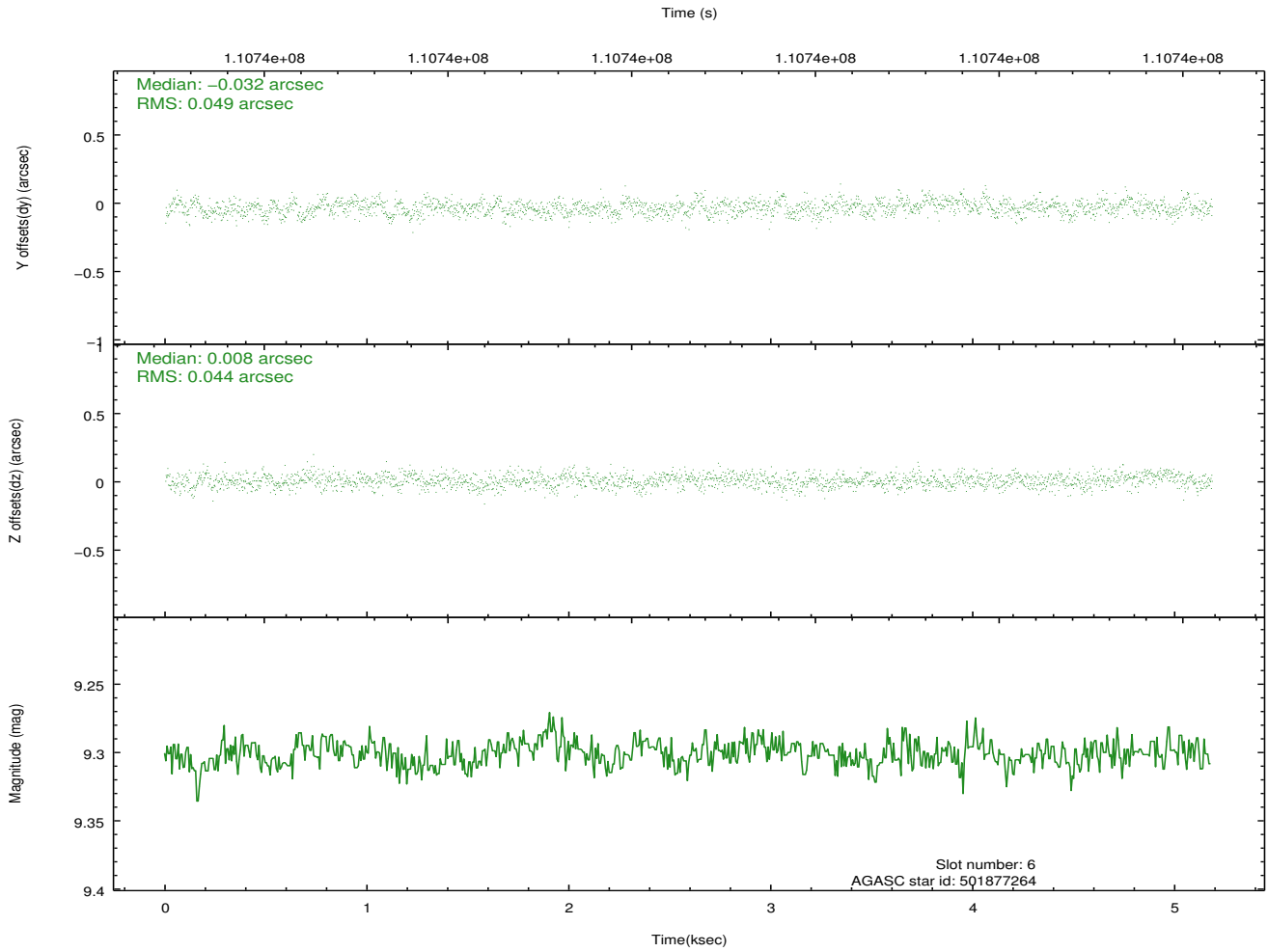
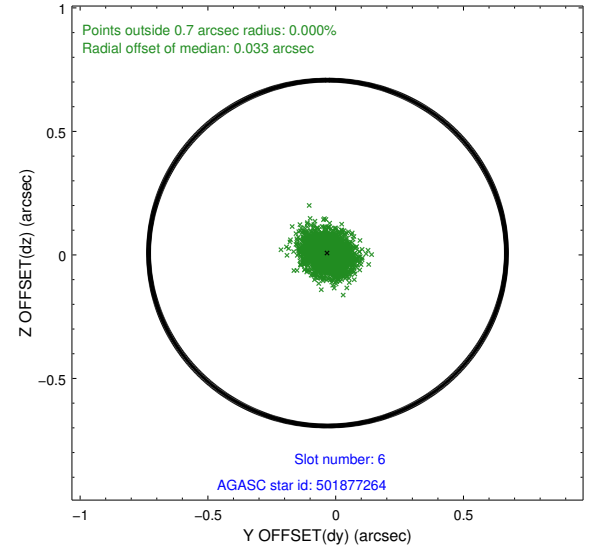
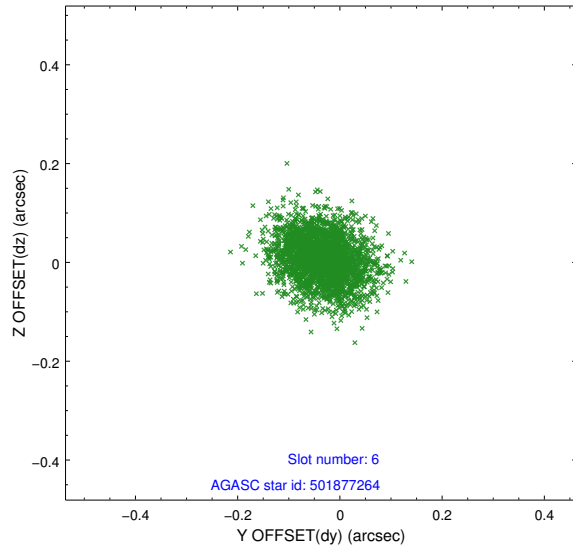
2.4.2 Slot 4



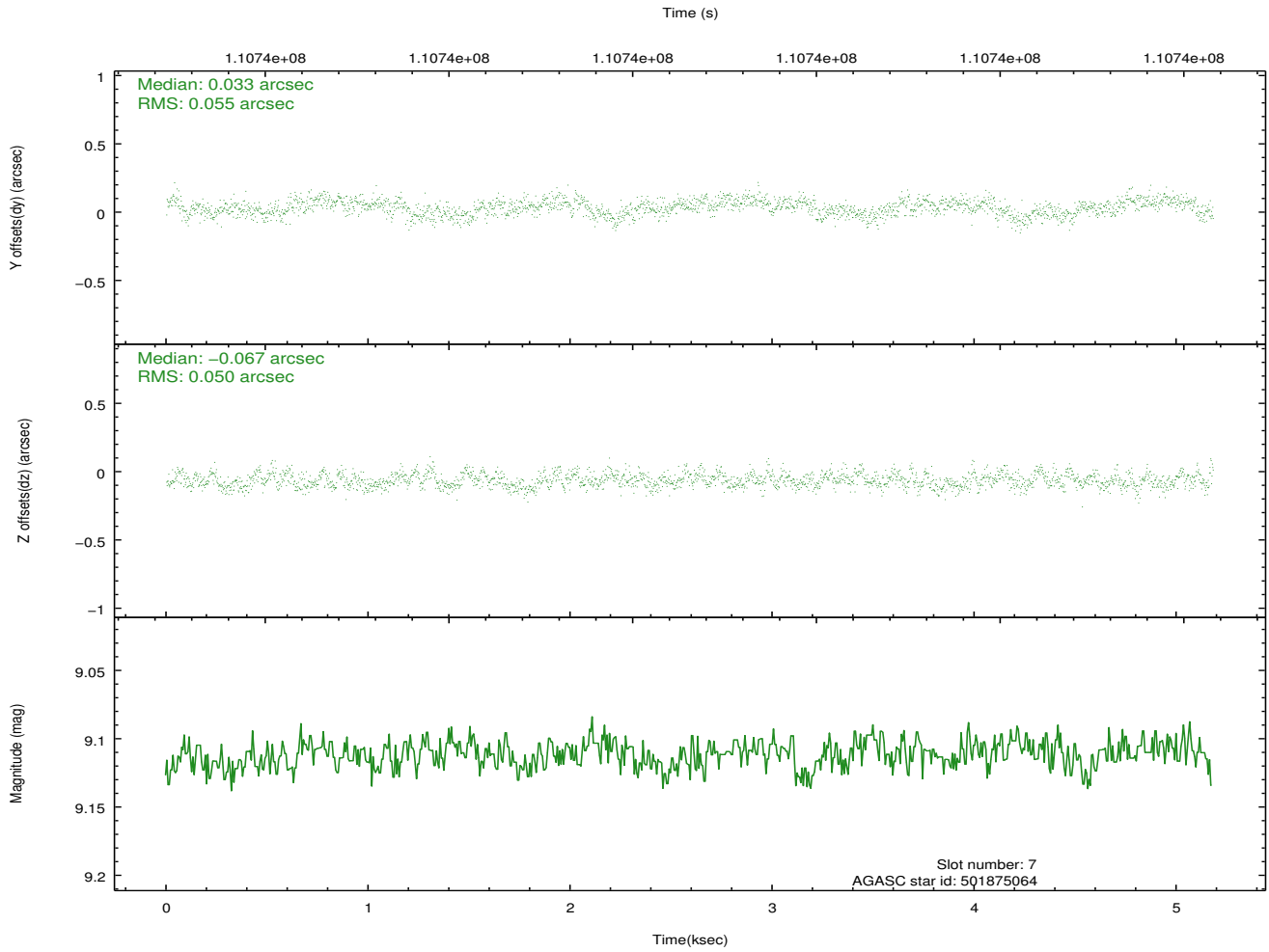
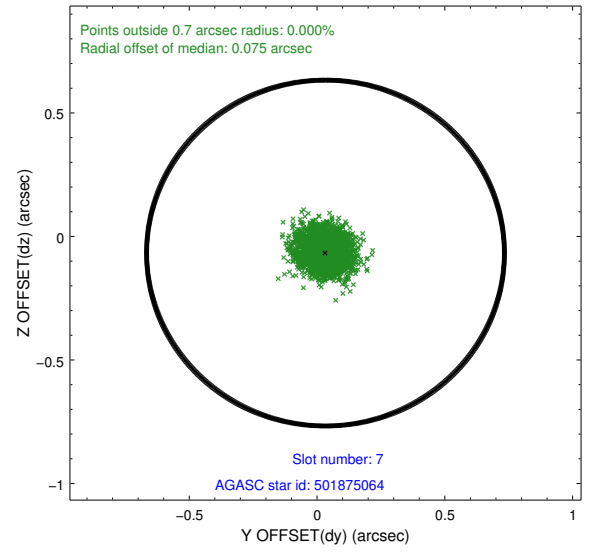
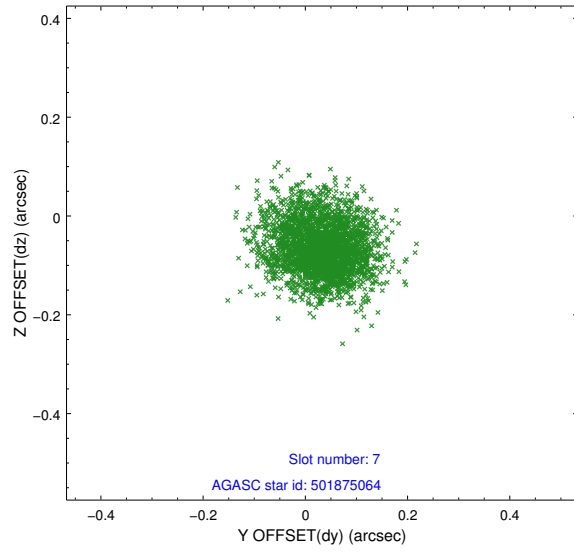
2.4.3 Slot 5



2.4.4 Slot 6

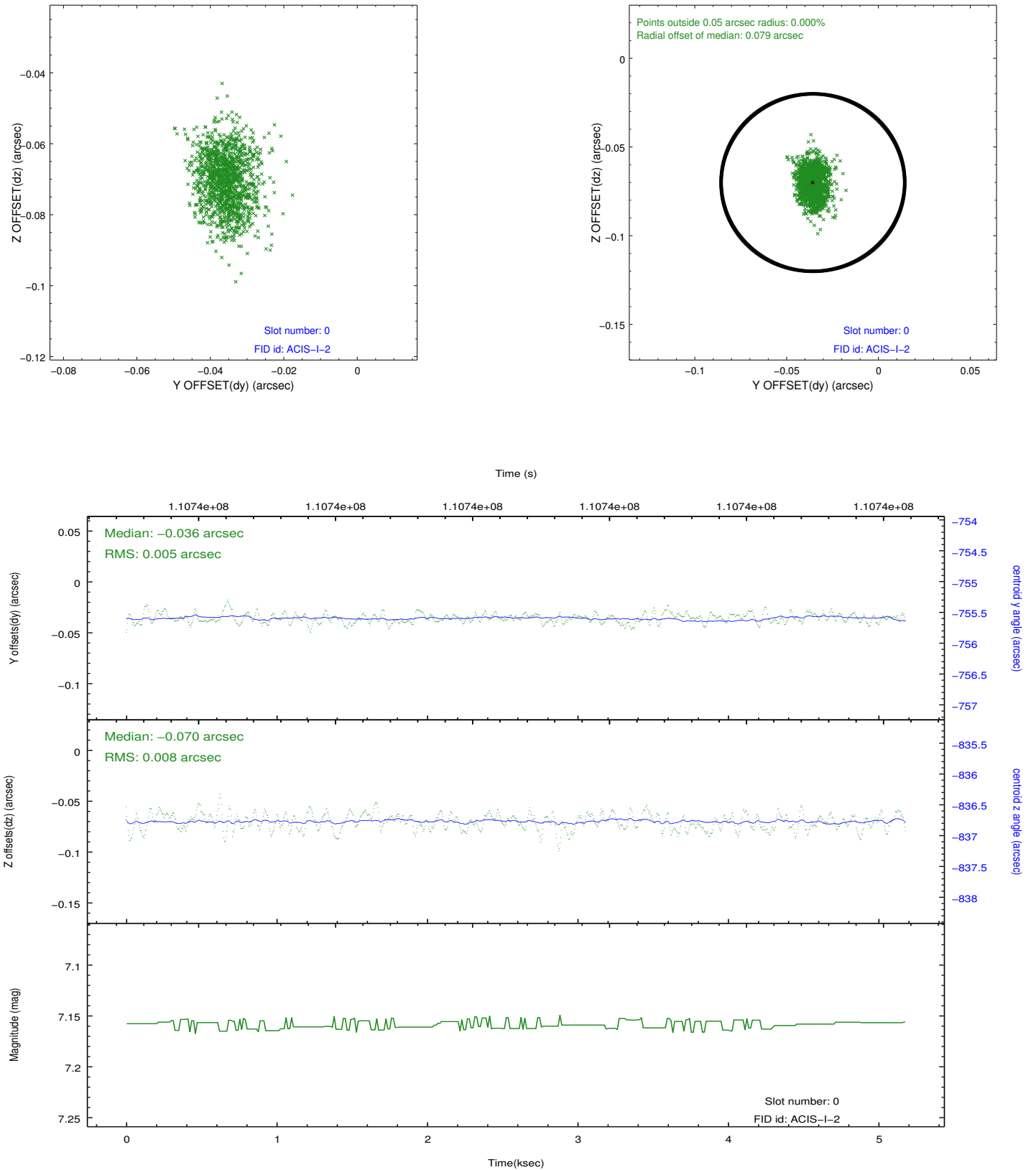


2.4.5 Slot 7

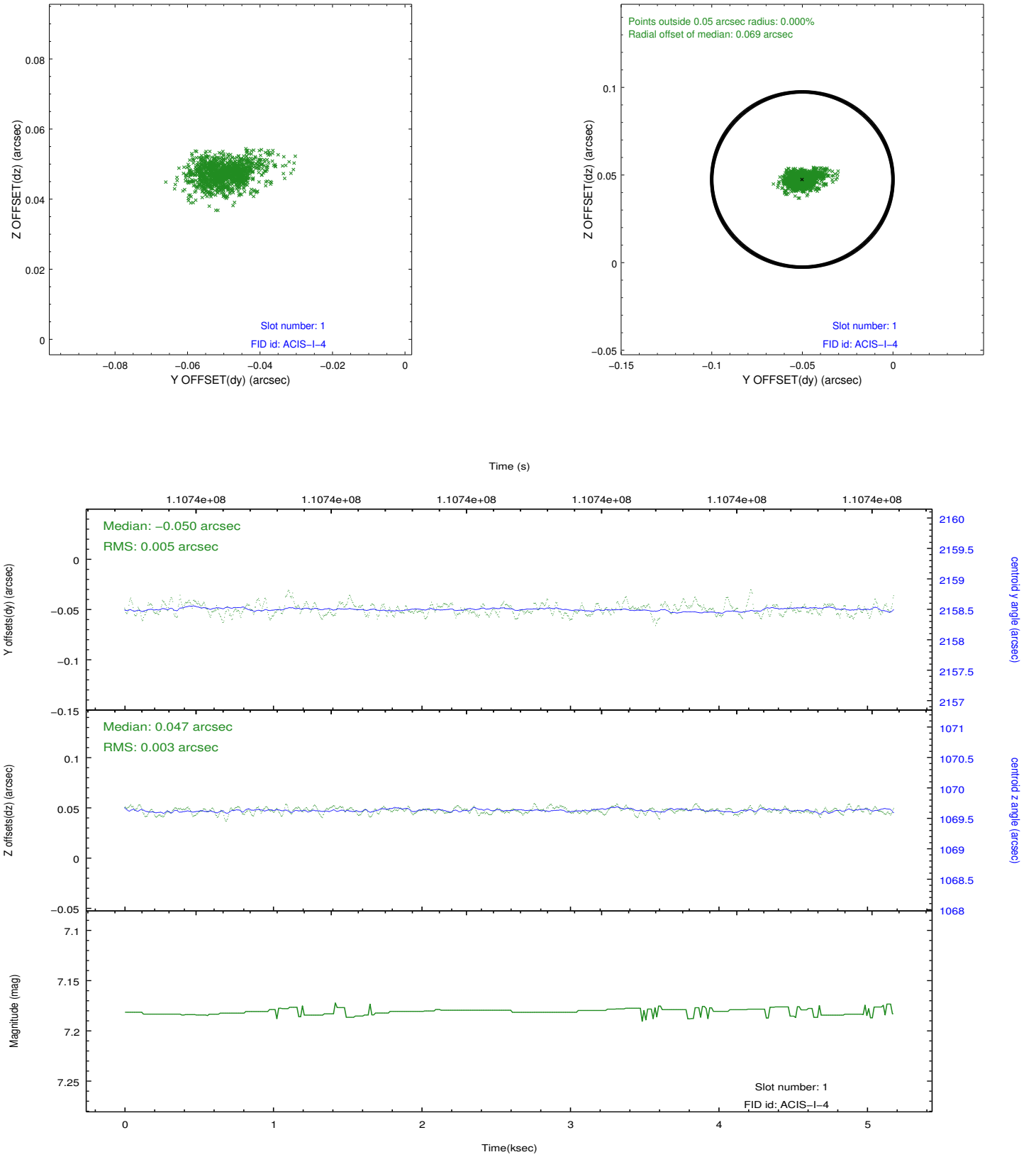


2.5 FID Slots

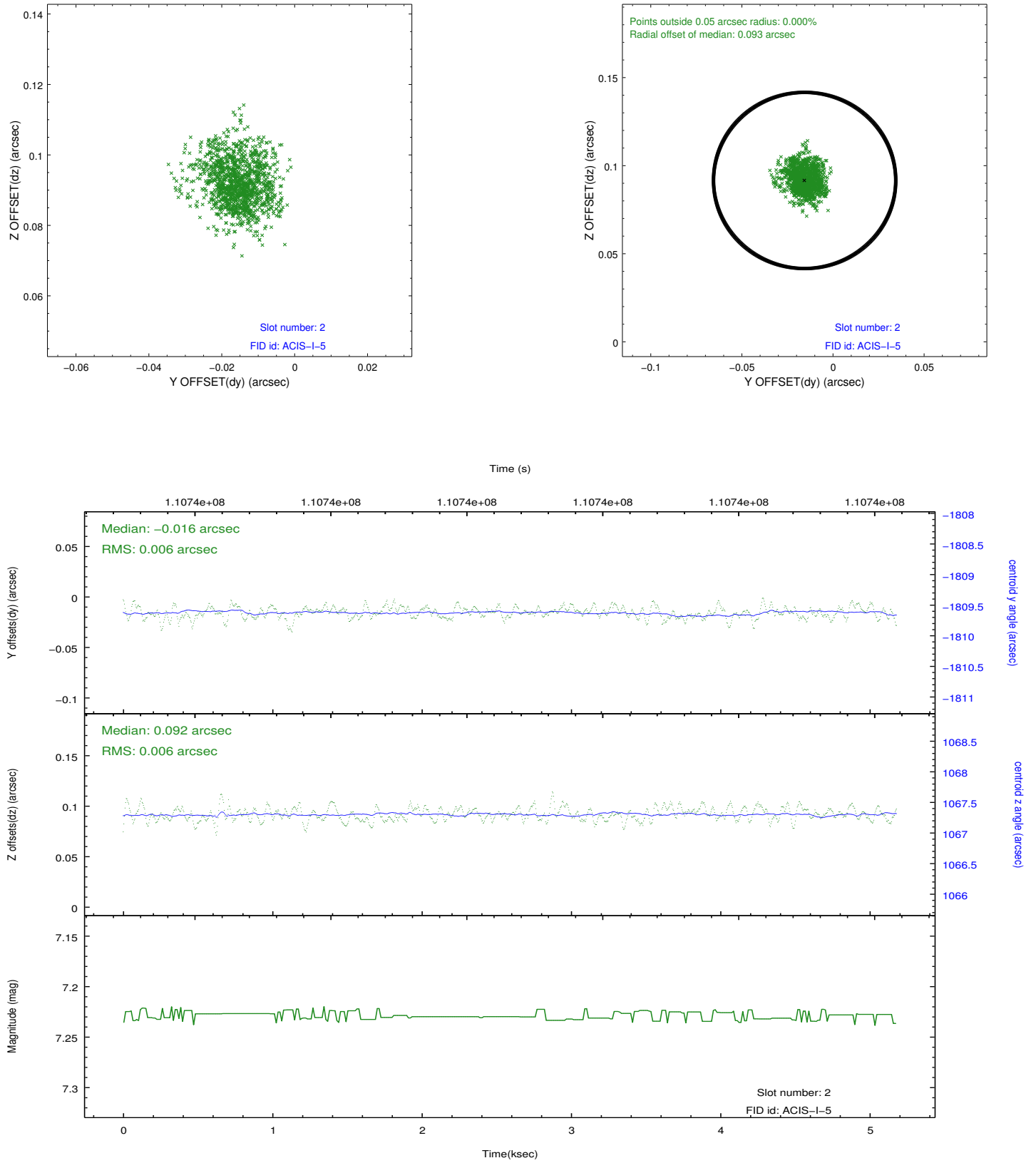
2.5.1 Slot 0



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.