

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5140 - L2 Version 3
Chandra X-Ray Center

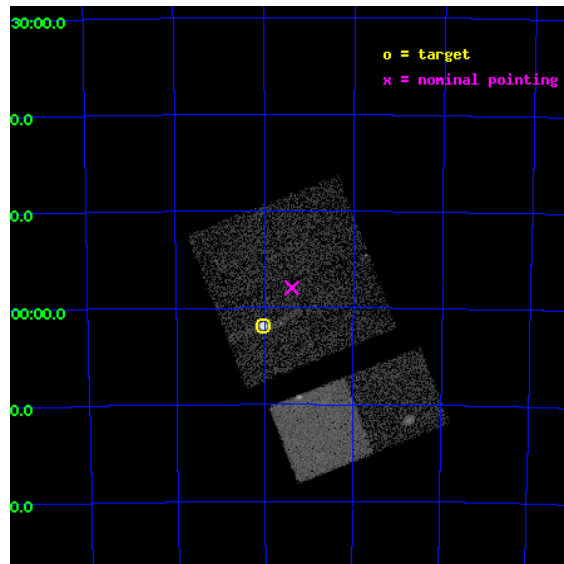
L2 Processing Date : Nov 30 2012

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1 Front

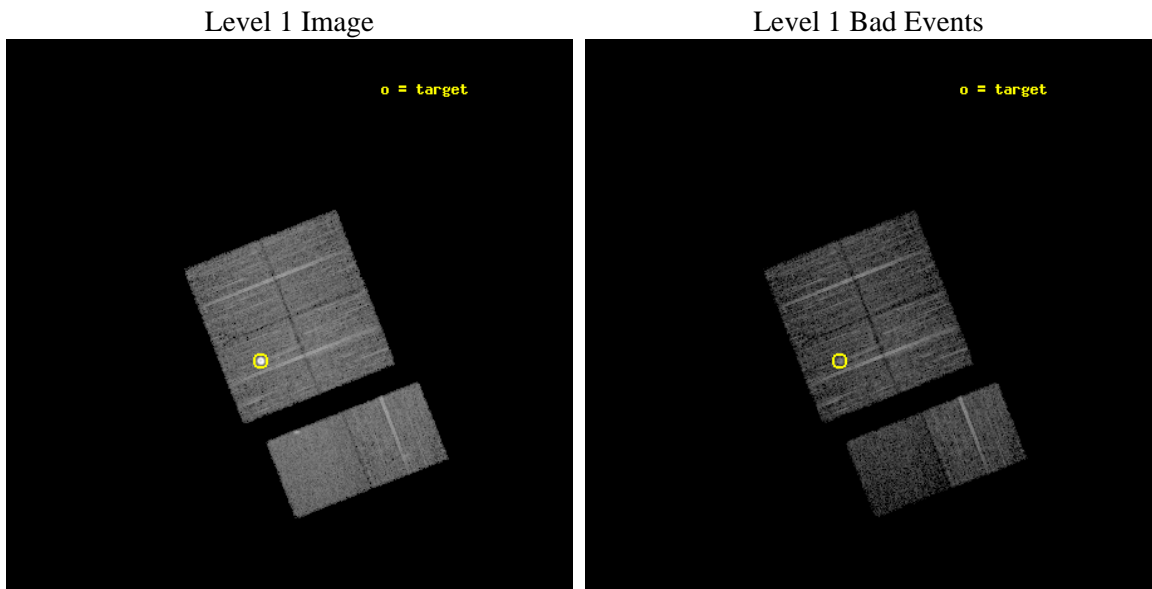
seq_num	590338	Sequence number
obs_id	5140	Observation id
title	AO5B ACIS-I Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I3,-120,-4.0,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.847777486546	Nominal RA [deg]
dec_nom	-71.965686133365	Nominal Dec [deg]
roll_nom	158.66773828278	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8143.9999696612	Sum of GTIs [s]
livetime	8040.8757383173	Livetime [s]
ontime0	8143.9999696612	Sum of GTIs [s]
ontime1	8143.9999696612	Sum of GTIs [s]
ontime2	8143.9999696612	Sum of GTIs [s]
ontime3	8143.9999696612	Sum of GTIs [s]
ontime6	8143.9999696612	Sum of GTIs [s]
ontime7	8143.9999696612	Sum of GTIs [s]
l2events	63629	Number of level 2 events



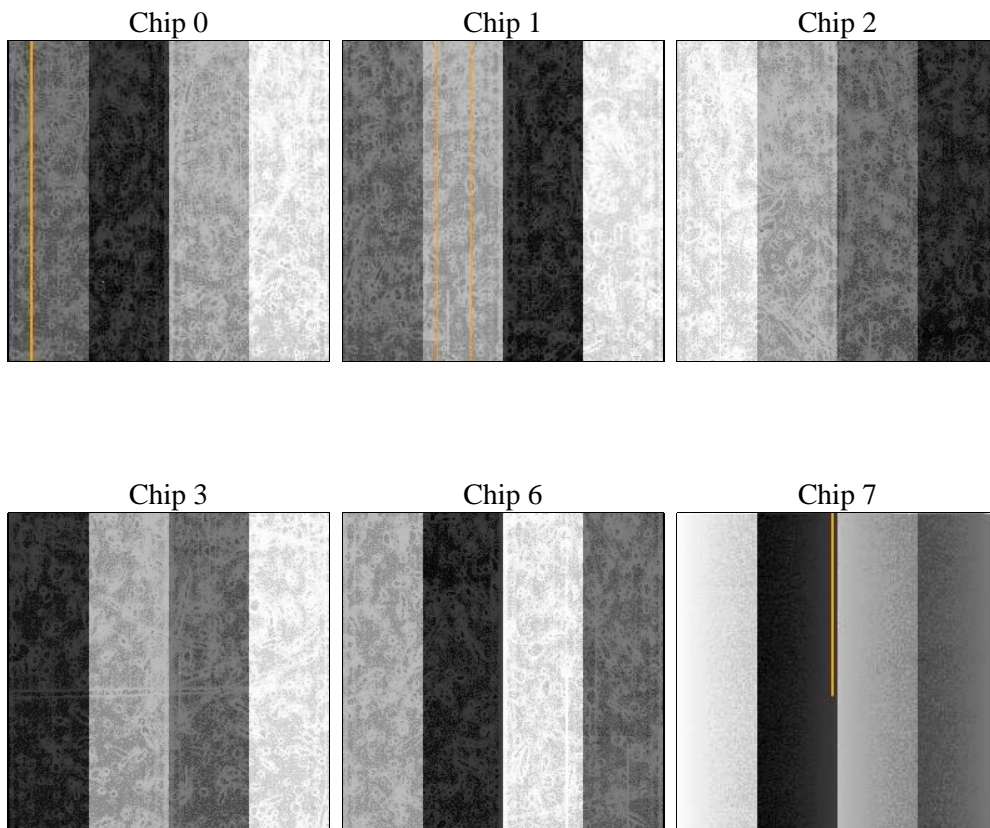
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8143.9999696612	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	8143.9999696612	Sum of GTIs [s]
date	2012-11-30T16:06:40	Date and time of file creation	ontime1	8143.9999696612	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	8143.9999696612	Sum of GTIs [s]
			ontime3	8143.9999696612	Sum of GTIs [s]
			ontime6	8143.9999696612	Sum of GTIs [s]
			ontime7	8143.9999696612	Sum of GTIs [s]
			l1events	300624	Number of level 1 events

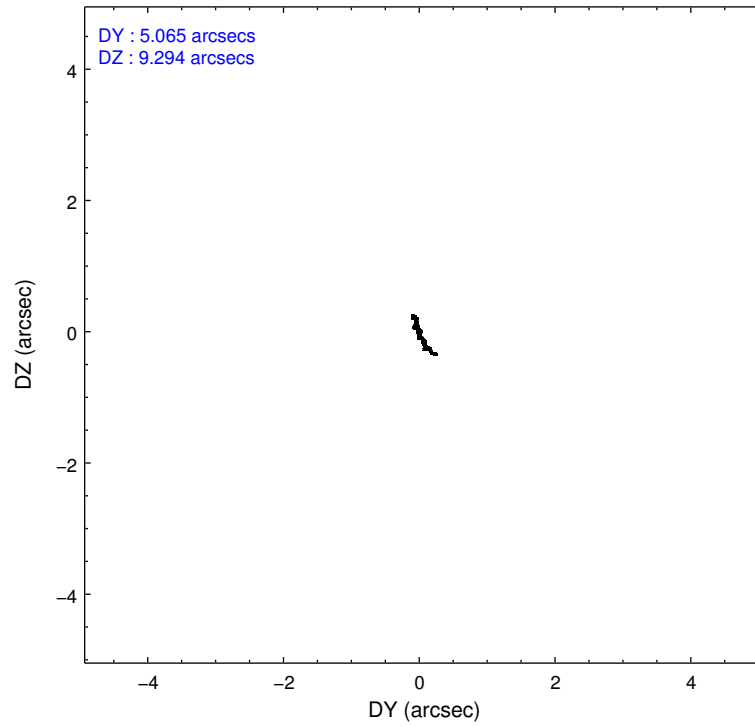
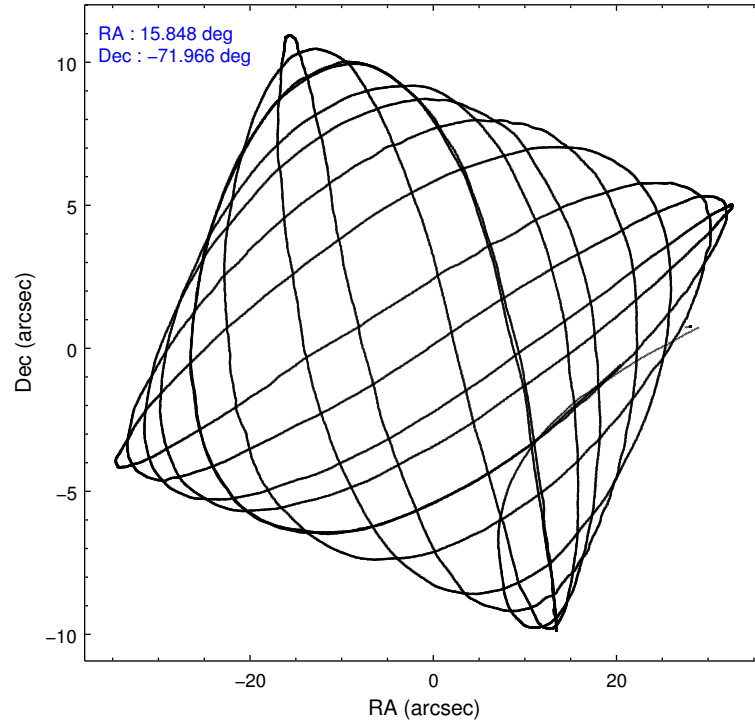
2.1.4 Events

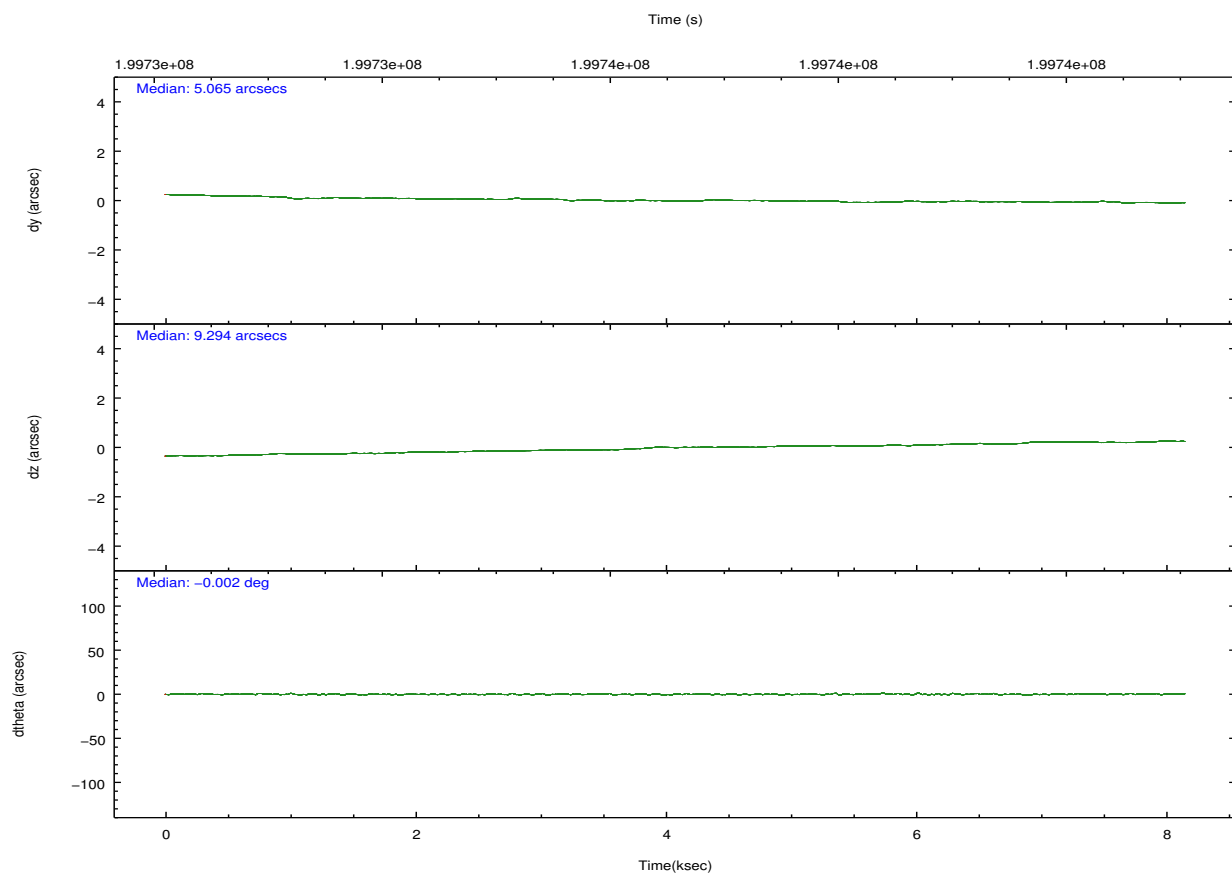
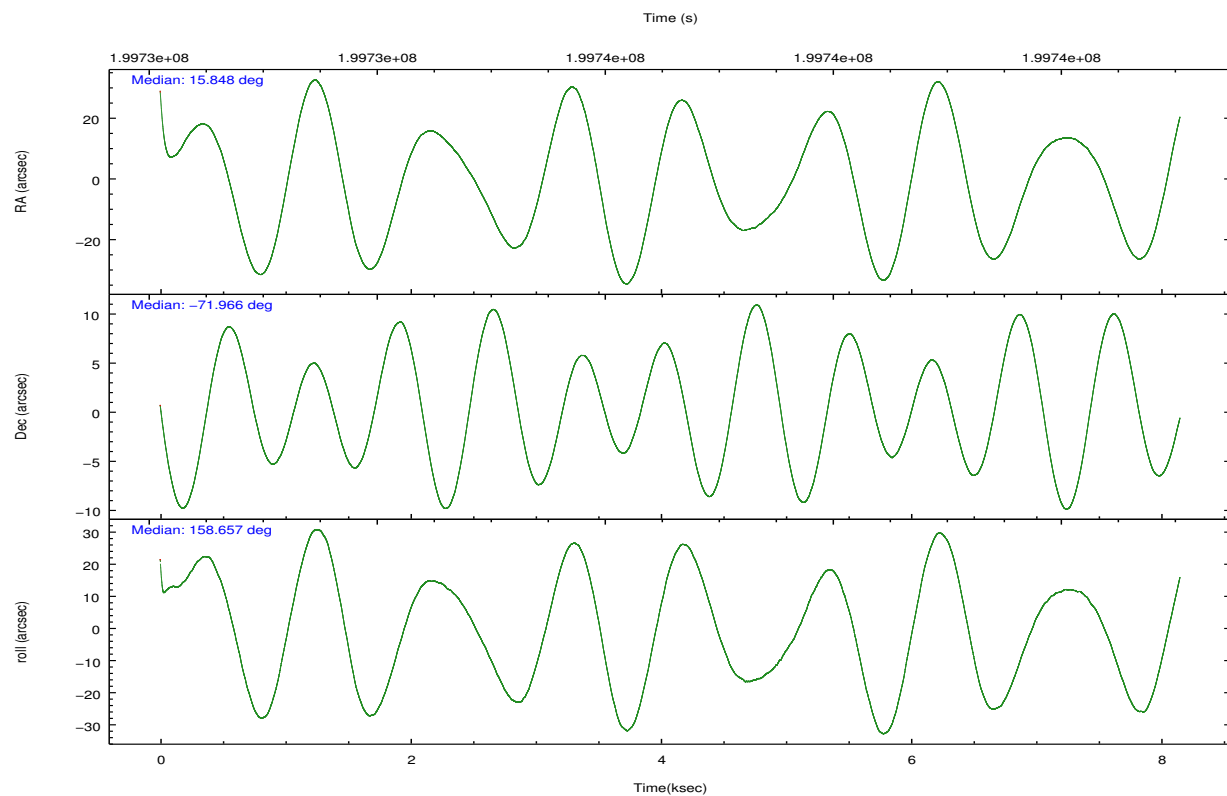
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41627	43317	50077	73561	47918	44124	grade 0 events	1759	1700	1784	24843	2199	2356
rejected events	37177	38680	45621	43870	42781	22722		4%	3%	3%	33%	4%	5%
rejected %	89%	89%	91%	59%	89%	51%	grade 1 events	10	10	33	235	29	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	1094	1019	1049	2780	1049	4743
								2%	2%	2%	3%	2%	10%
							grade 3 events	504	564	483	925	561	2152
								1%	1%	0%	1%	1%	4%
							grade 4 events	472	563	480	943	529	2141
								1%	1%	0%	1%	1%	4%
							grade 5 events	1365	1503	1340	1607	1664	4823
								3%	3%	2%	2%	3%	10%
							grade 6 events	747	964	786	888	926	10599
								1%	2%	1%	1%	1%	24%
							grade 7 events	35676	36994	44122	41340	40961	17269
								85%	85%	88%	56%	85%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.935189	15.84777748654619	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.961351	-71.96568613336547	Alternating exposures requested	N	N
[deg] Pointing Roll	158.542186	158.6677382827805	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	197164864.184000	197164864.184000			
[s] Window stop time (MET)	199670464.184000	199670464.184000			
[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)	199732639.184000	199731474.80488			
Observation start date	2004-04-30T17:16:15	2004-04-30T16:57:54			
[s] Observation end time (MET)	199740639.184000	199740773.60529			
Observation end date	2004-04-30T19:29:35	2004-04-30T19:32:53			
Read mode	TIMED	TIMED			

2.3 Aspect



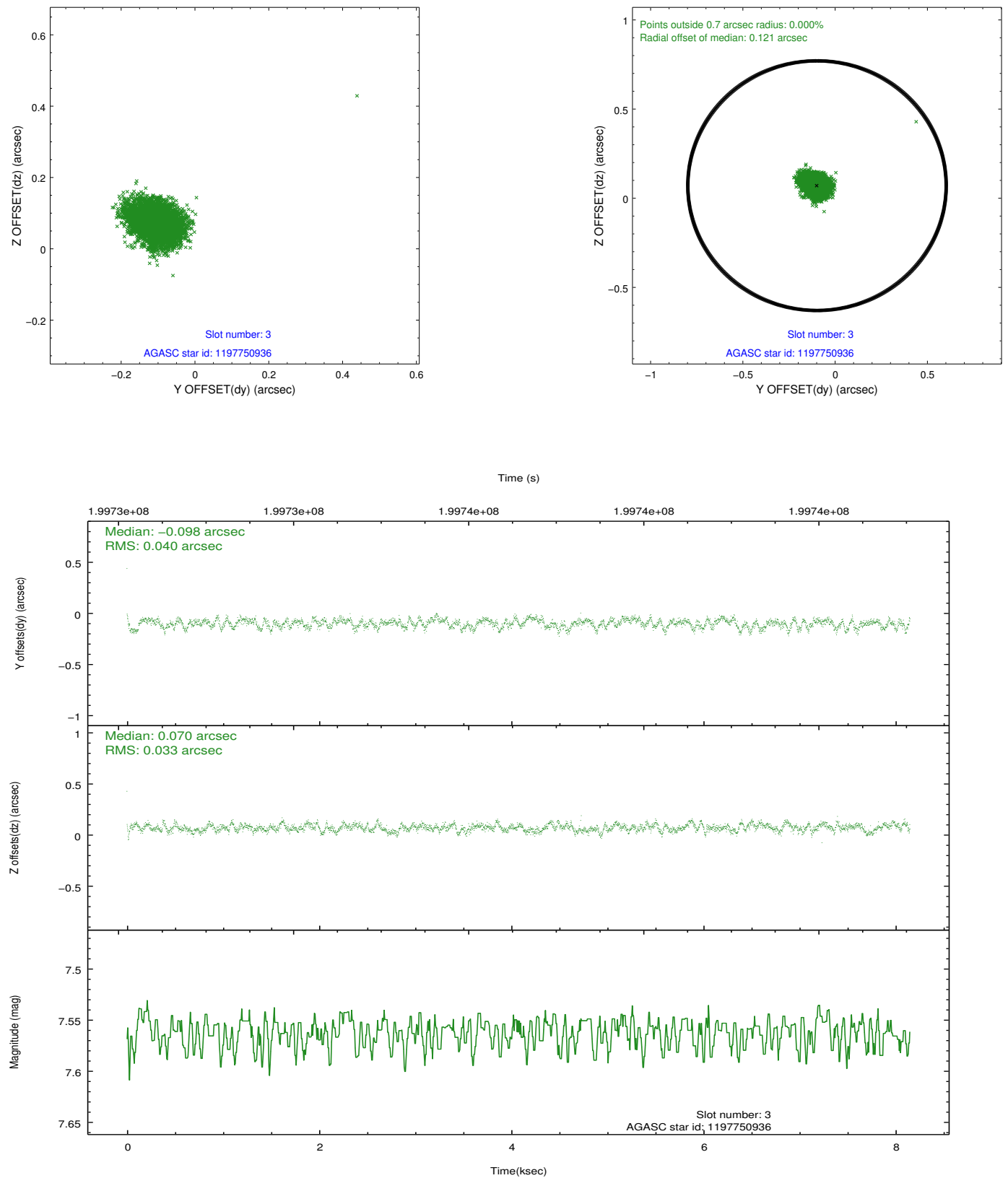


Slot Statistics

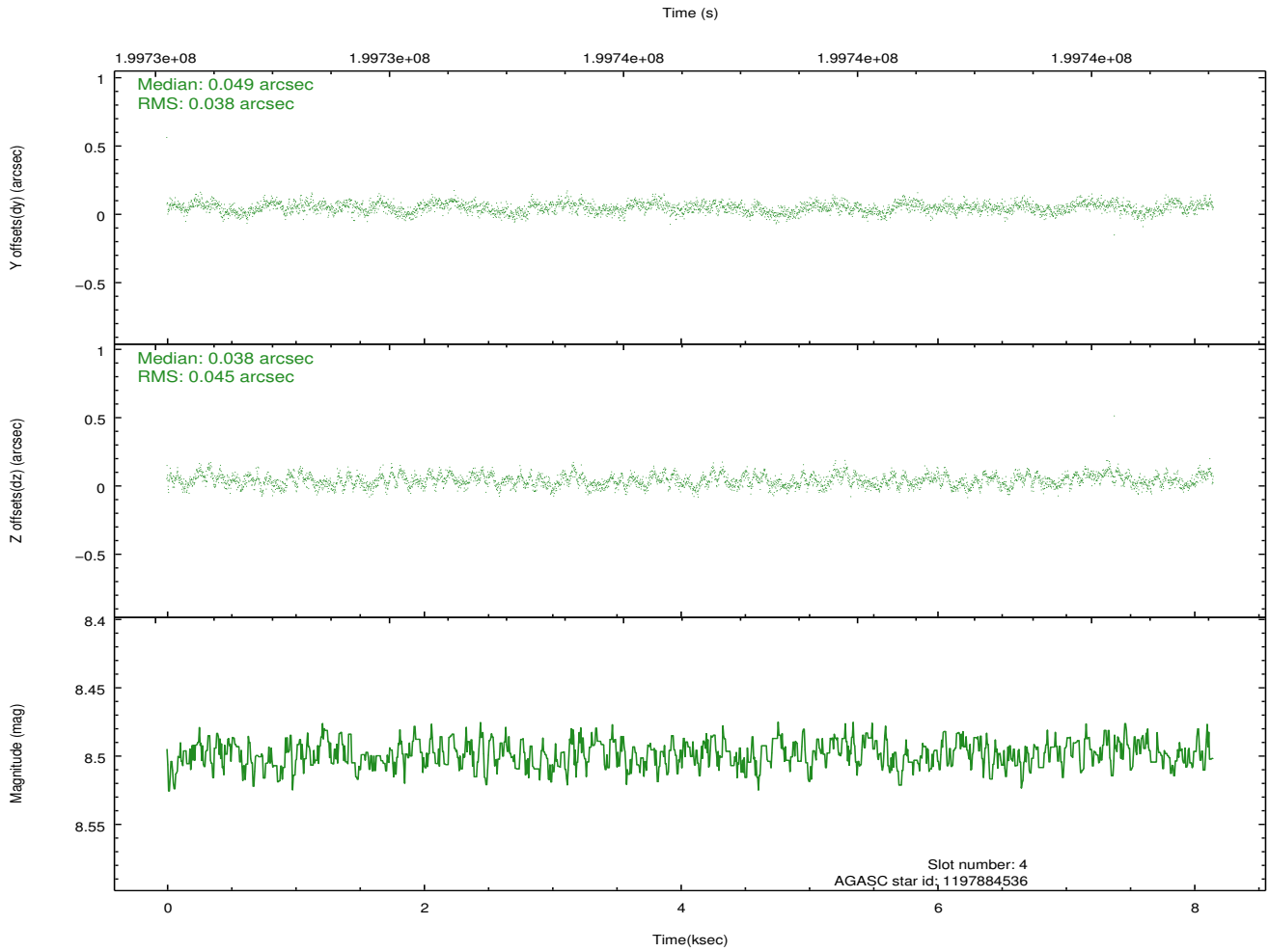
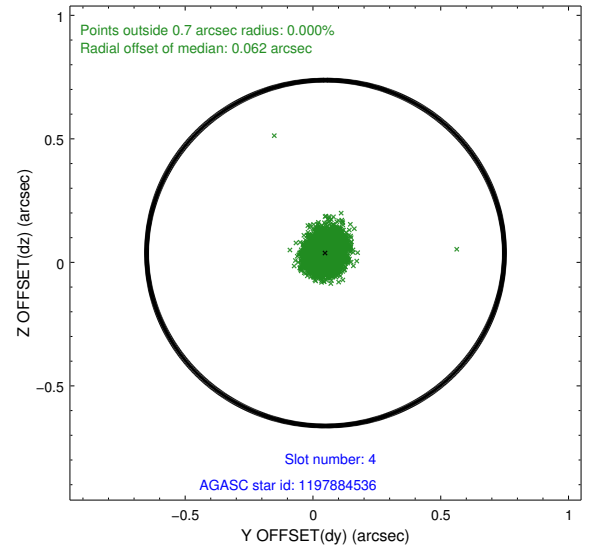
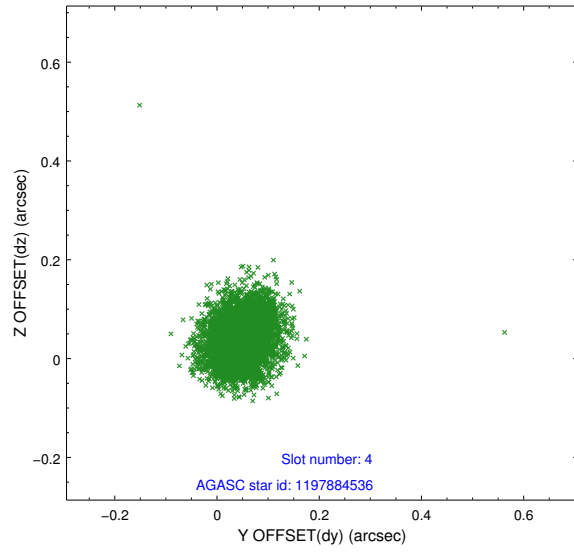
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1989	0.008	0.047	0.007	0.012	0.000000	0.000000	934.66	-832.65
1	FID	ACIS-I-5	7.23	1989	-0.164	0.035	0.006	0.010	0.000000	0.000000	-1813.25	1064.47
2	FID	ACIS-I-6	7.25	1989	0.065	-0.012	0.008	0.014	0.000000	0.000000	399.50	1709.71
3	GUIDE	1197750936	7.56	3977	-0.098	0.070	0.054	0.087	15.387940	-71.549550	1122.06	-1148.63
4	GUIDE	1197884536	8.50	3976	0.049	0.038	0.063	0.098	17.160729	-71.835289	-1118.12	-913.02
5	GUIDE	1197884712	8.31	3971	0.020	-0.036	0.061	0.096	16.087398	-72.252690	-539.21	914.79
6	GUIDE	1197885328	7.24	3976	0.008	0.076	0.052	0.082	16.283090	-71.733943	-66.10	-904.60
7	GUIDE	1198190968	10.03	3975	0.021	-0.151	0.115	0.187	15.749622	-72.545972	-583.50	2031.79

2.4 Star Slots

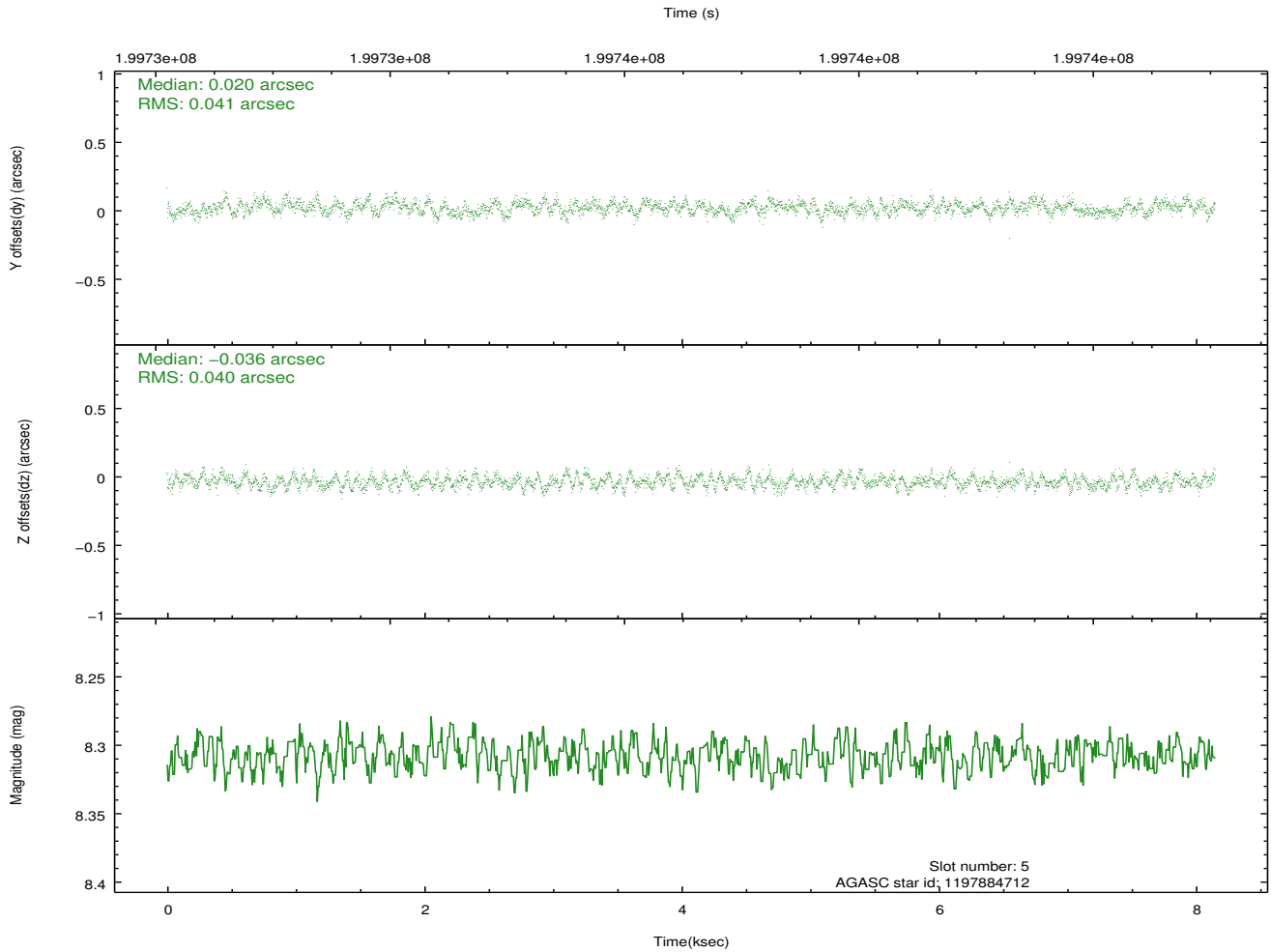
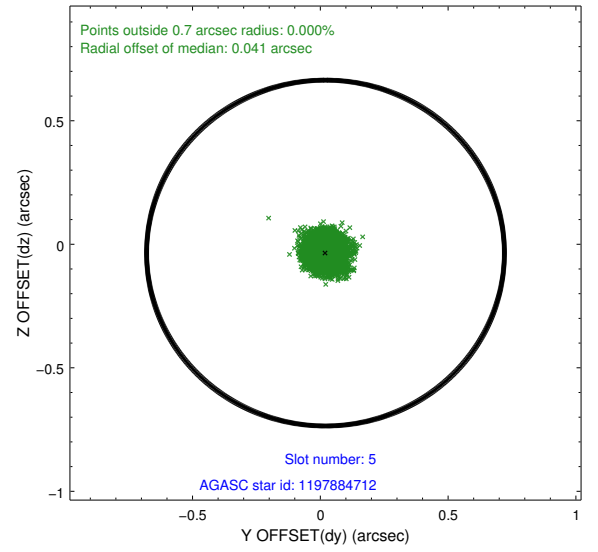
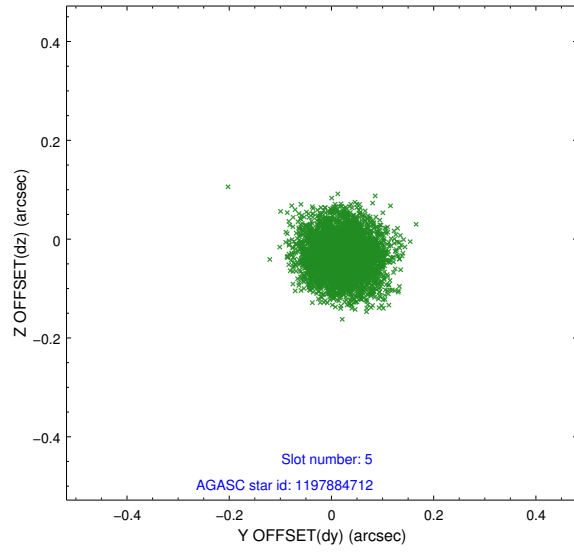
2.4.1 Slot 3



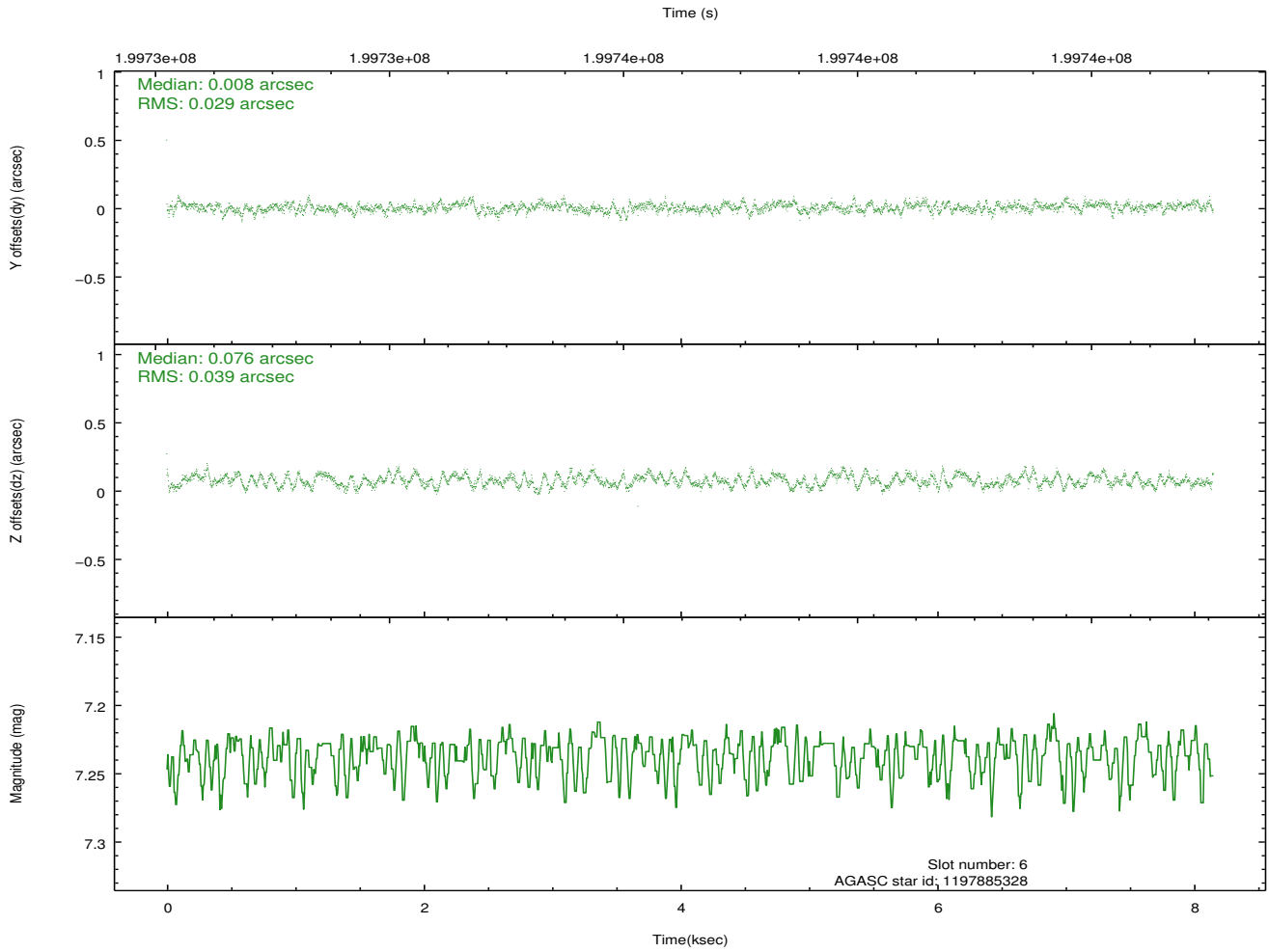
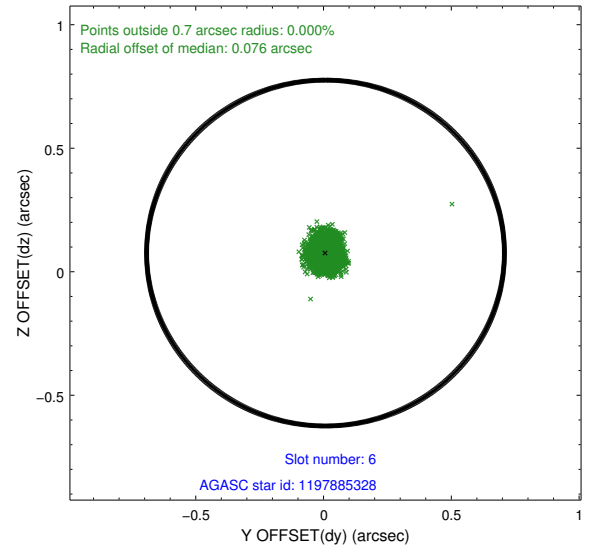
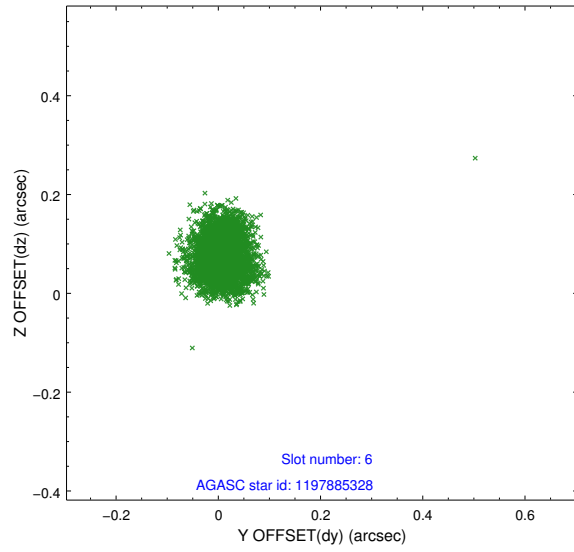
2.4.2 Slot 4



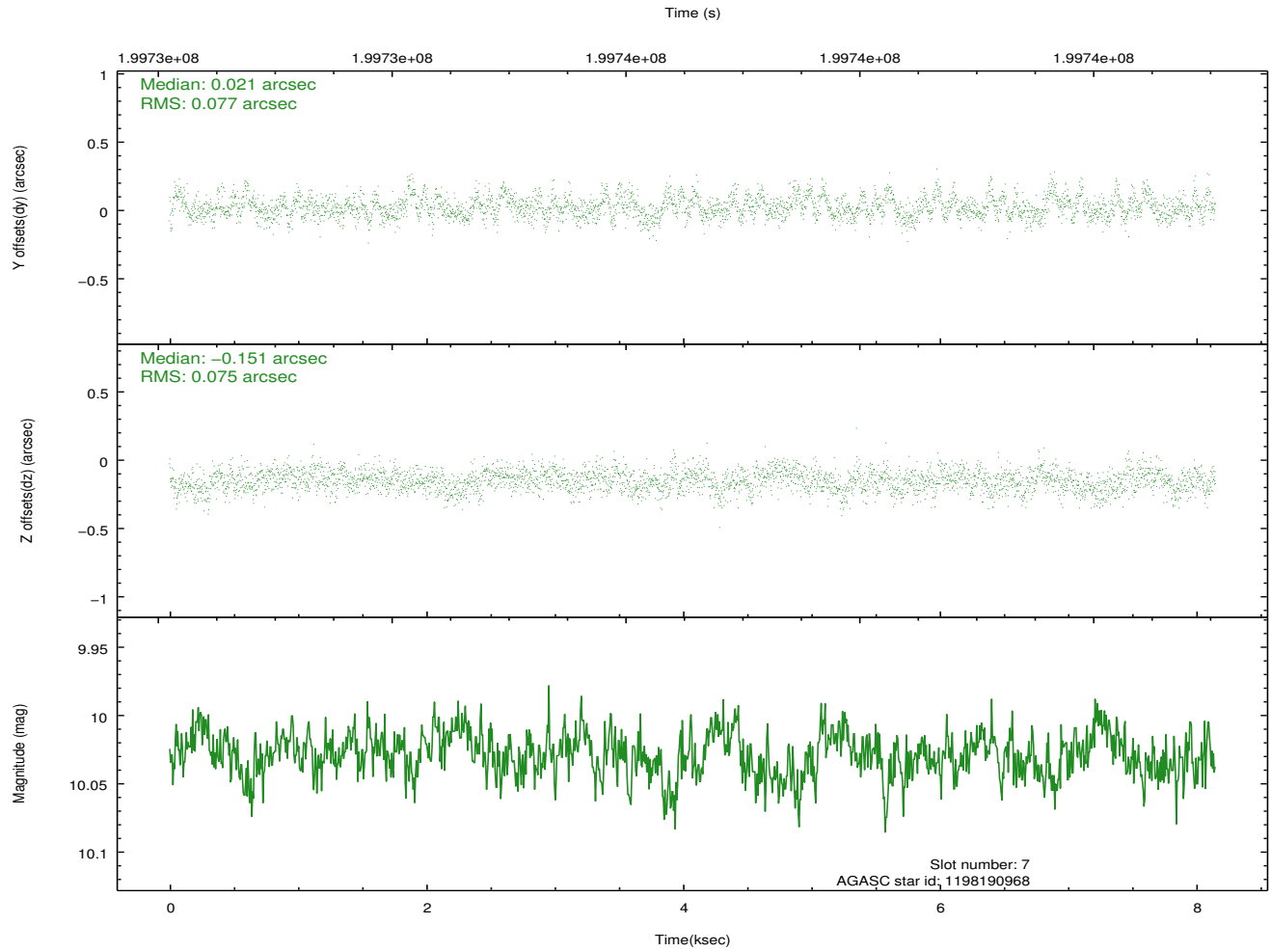
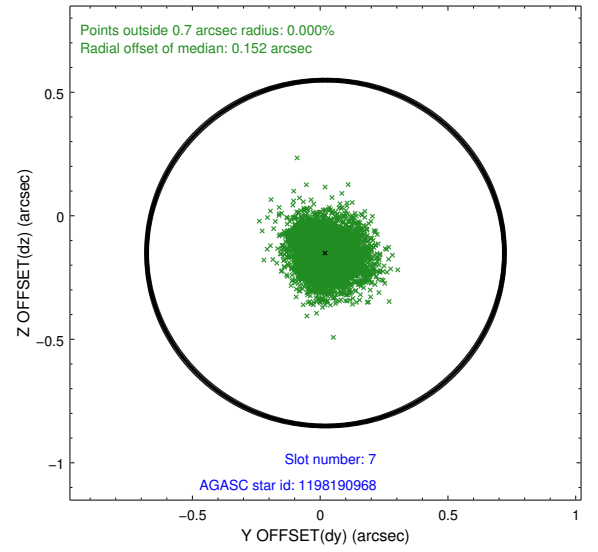
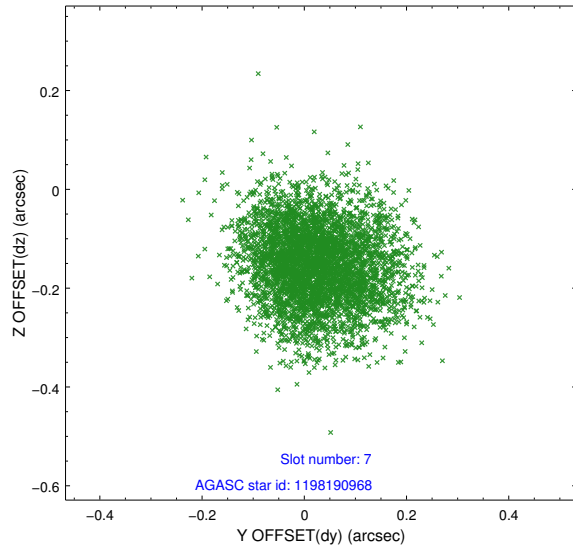
2.4.3 Slot 5



2.4.4 Slot 6

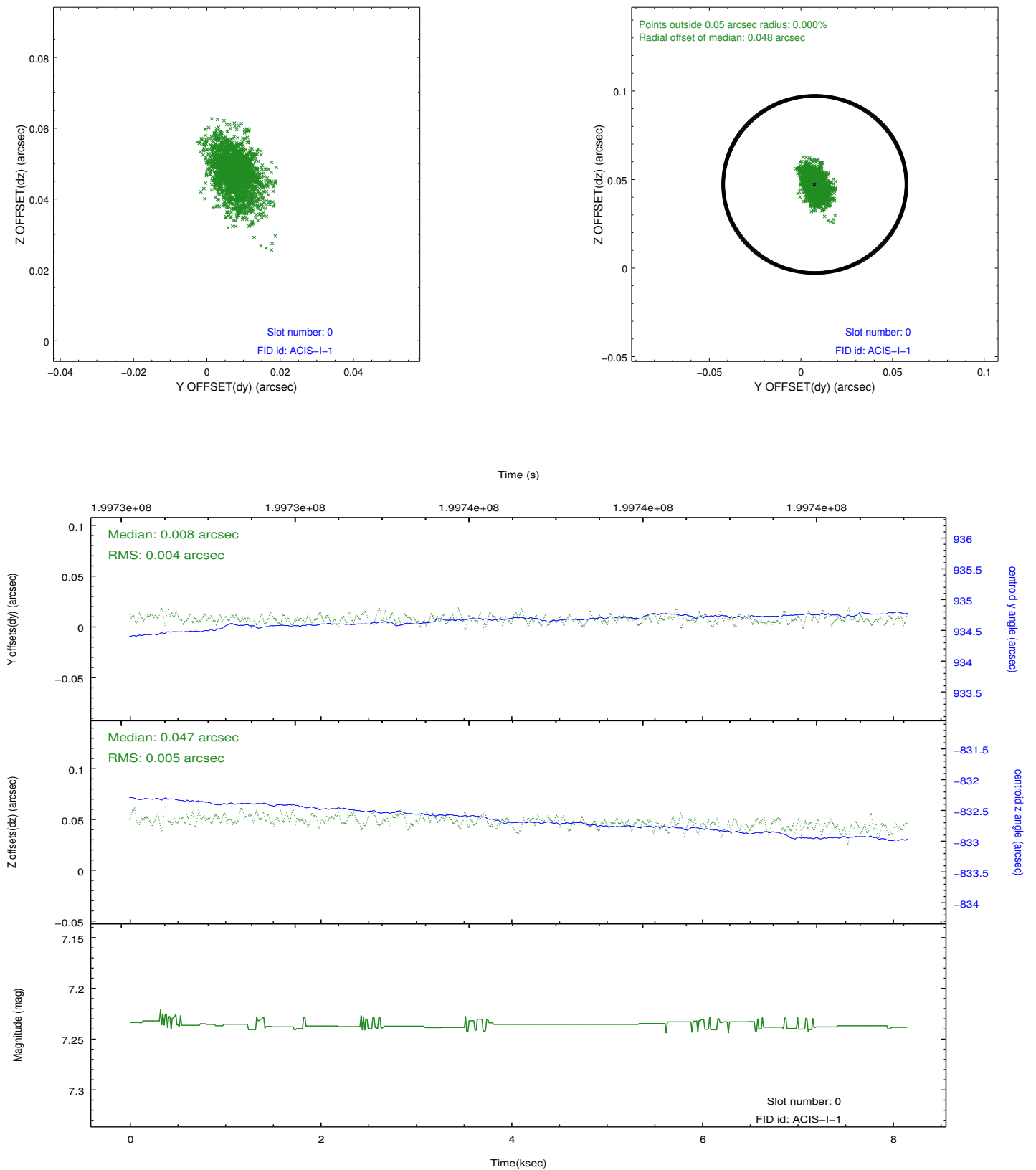


2.4.5 Slot 7

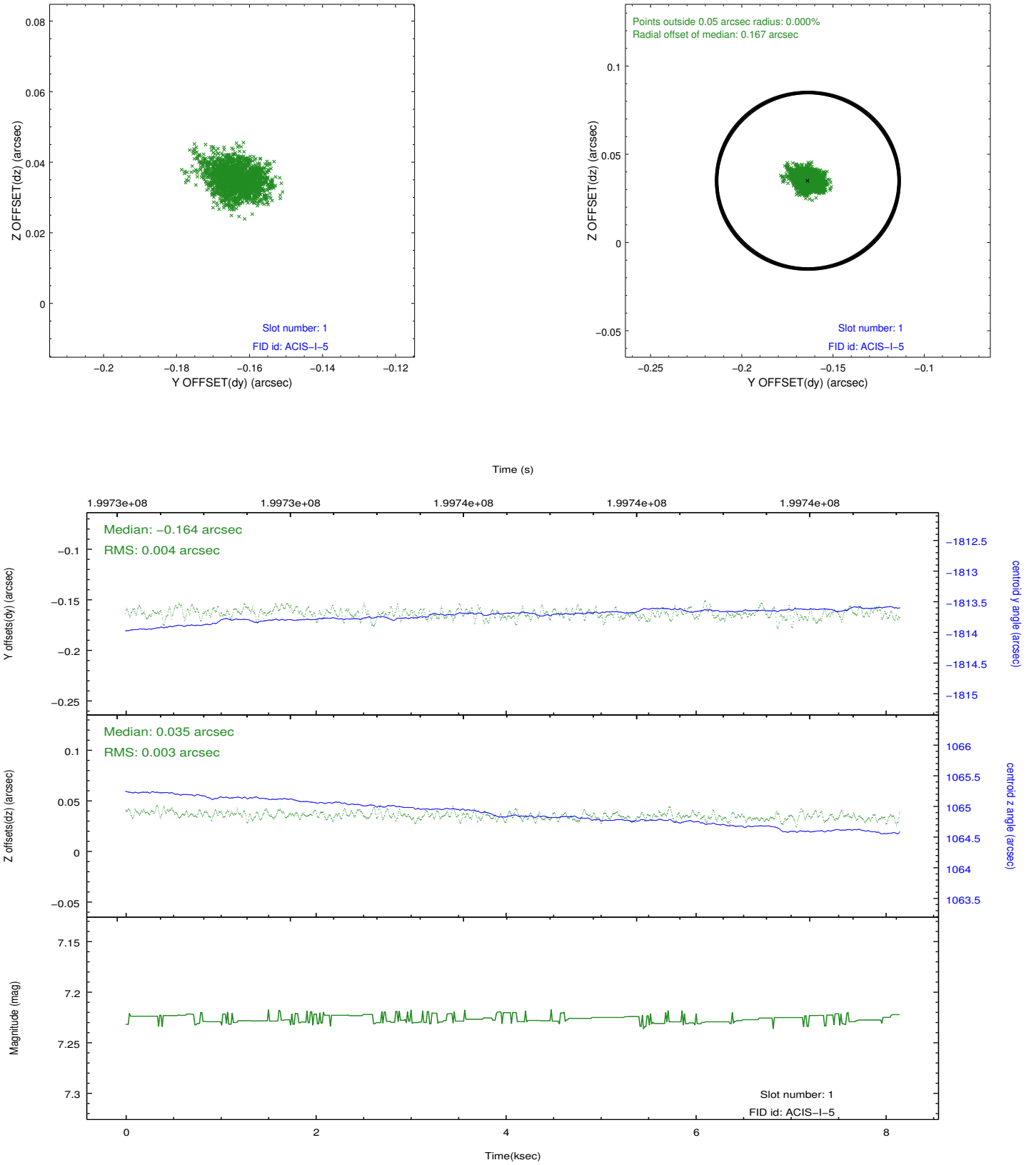


2.5 FID Slots

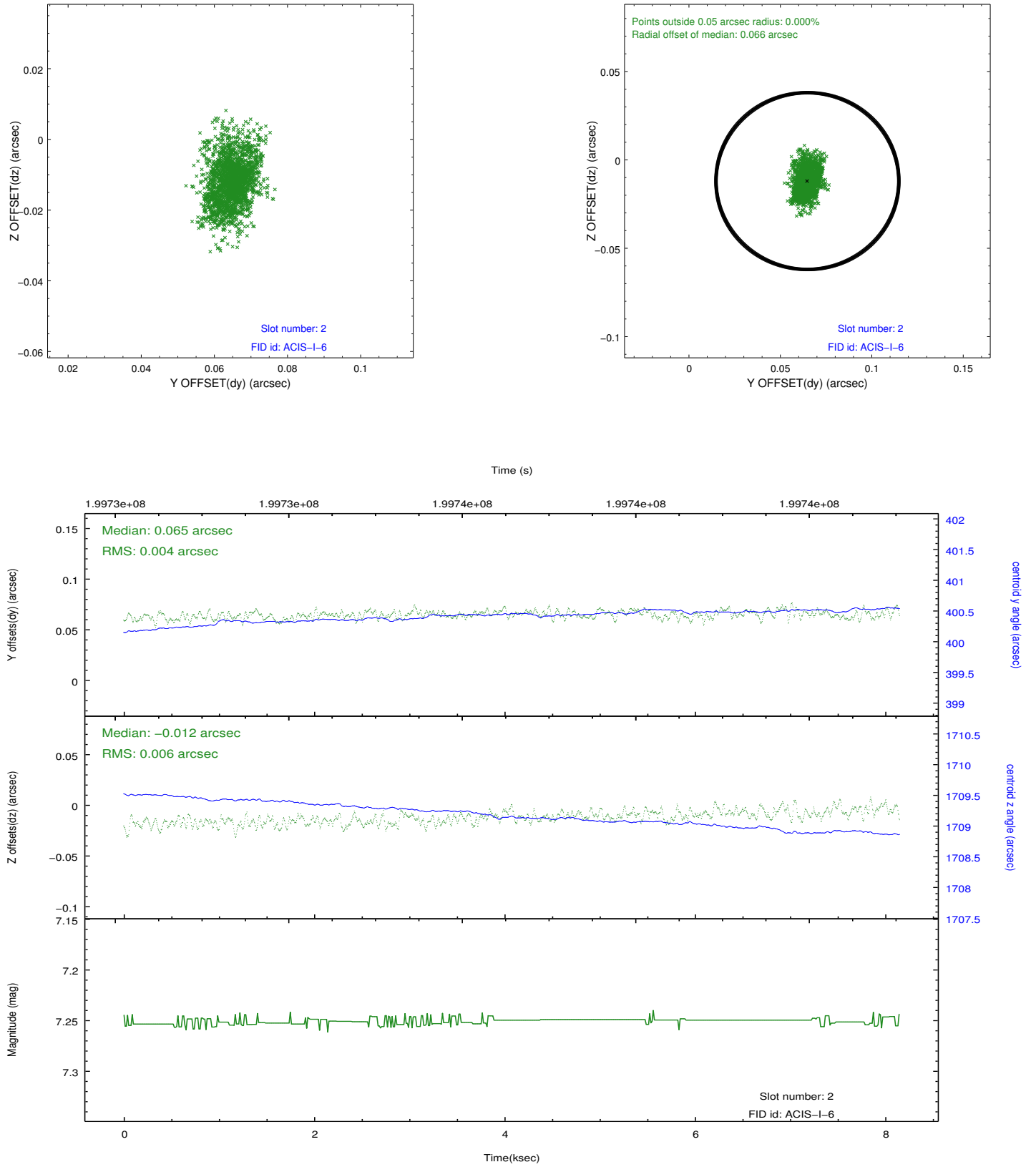
2.5.1 Slot 0



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)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.143

A.2 Comments

Window constraint not satisfied.