

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9445 - L2 Version 2
Chandra X-Ray Center

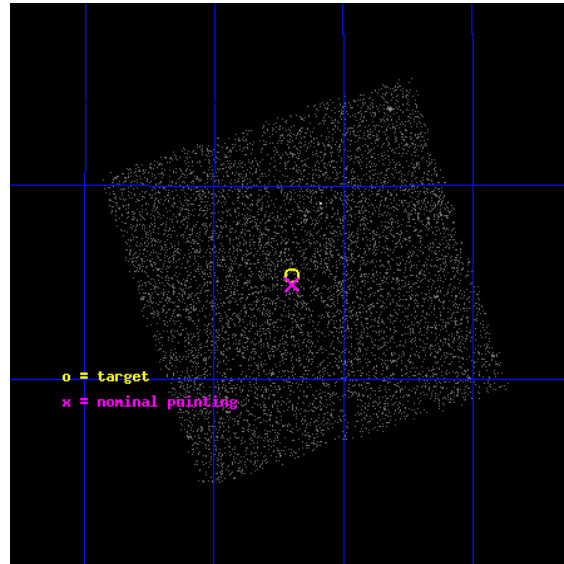
L2 Processing Date : May 17 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

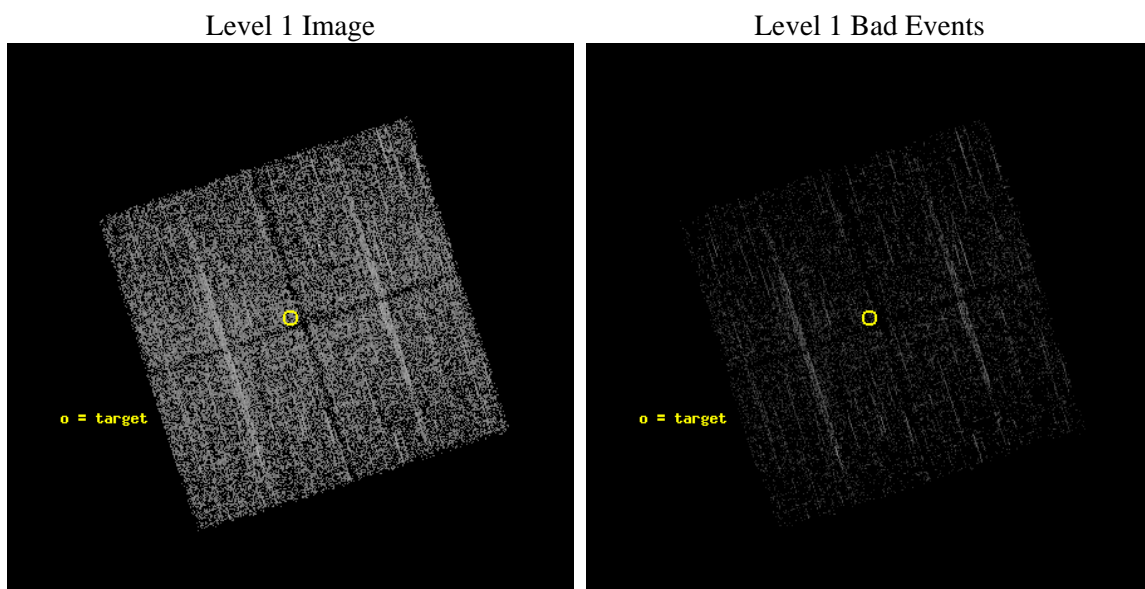
seq_num	900791	Sequence number
obs_id	9445	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	IGR J12072+2535	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.8	Observer's specified target RA [deg]
dec_targ	25.589444	Observer's specified target Dec [deg]
ra_nom	181.79985650903	Nominal RA [deg]
dec_nom	25.581384069783	Nominal Dec [deg]
roll_nom	252.02048288973	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2173.1000167131	Sum of GTIs [s]
livetime	2144.7068651818	Livetime [s]
ontime0	2173.1000167131	Sum of GTIs [s]
ontime1	2173.1000167131	Sum of GTIs [s]
ontime2	2173.1000167131	Sum of GTIs [s]
ontime3	2173.1000167131	Sum of GTIs [s]
l2events	9377	Number of level 2 events



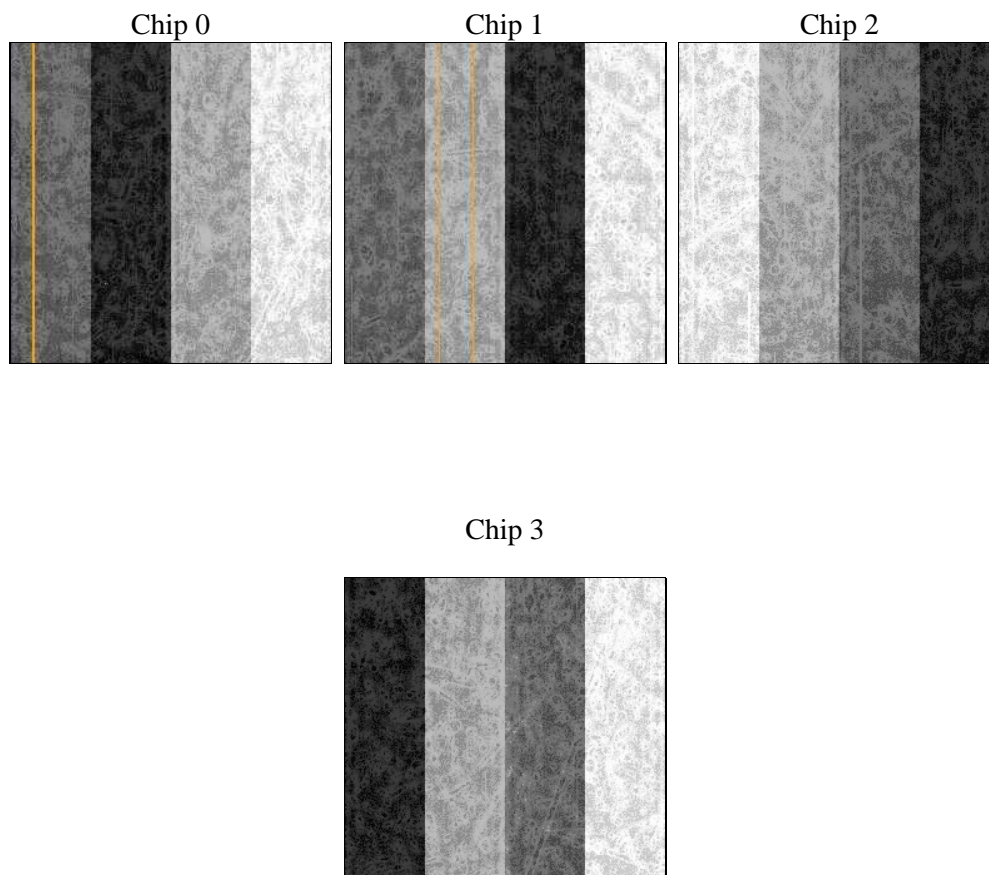
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2173.1000167131	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2173.1000167131	Sum of GTIs [s]
date	2012-05-17T03:51:19	Date and time of file creation	ontime1	2173.1000167131	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2173.1000167131	Sum of GTIs [s]
			ontime3	2173.1000167131	Sum of GTIs [s]
			l1events	102642	Number of level 1 events

2.1.4 Events

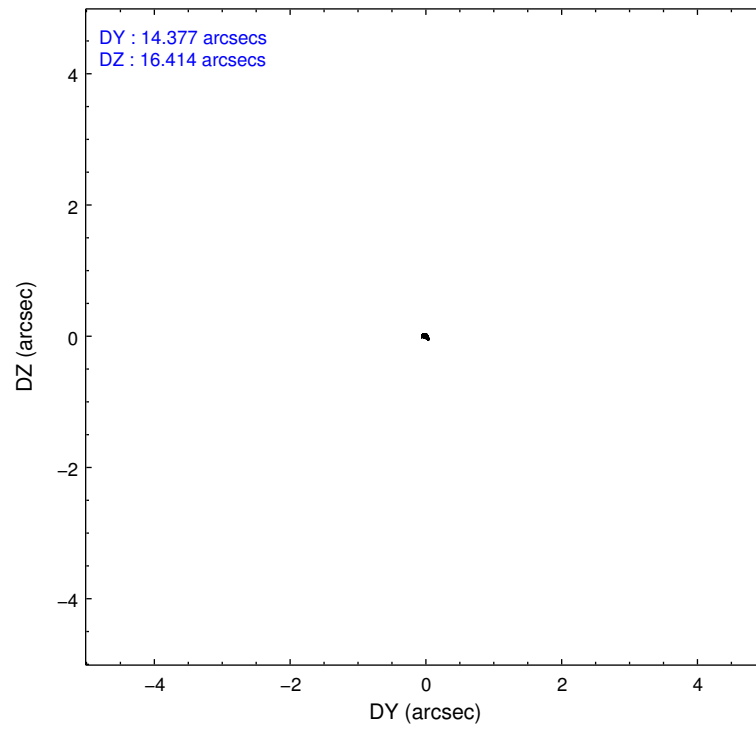
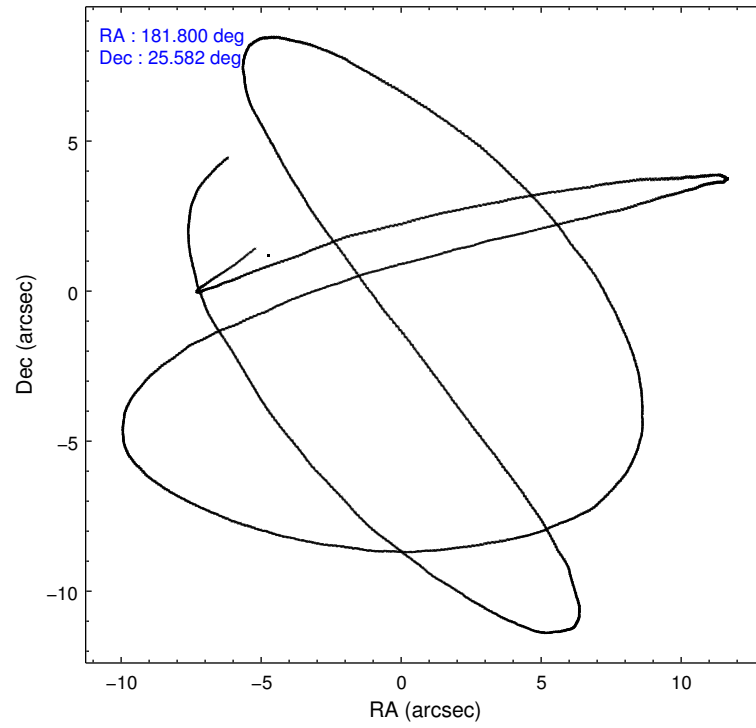
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	24618	25038	26962	26024
rejected events	22011	21951	24392	23470
rejected %	89%	87%	90%	90%

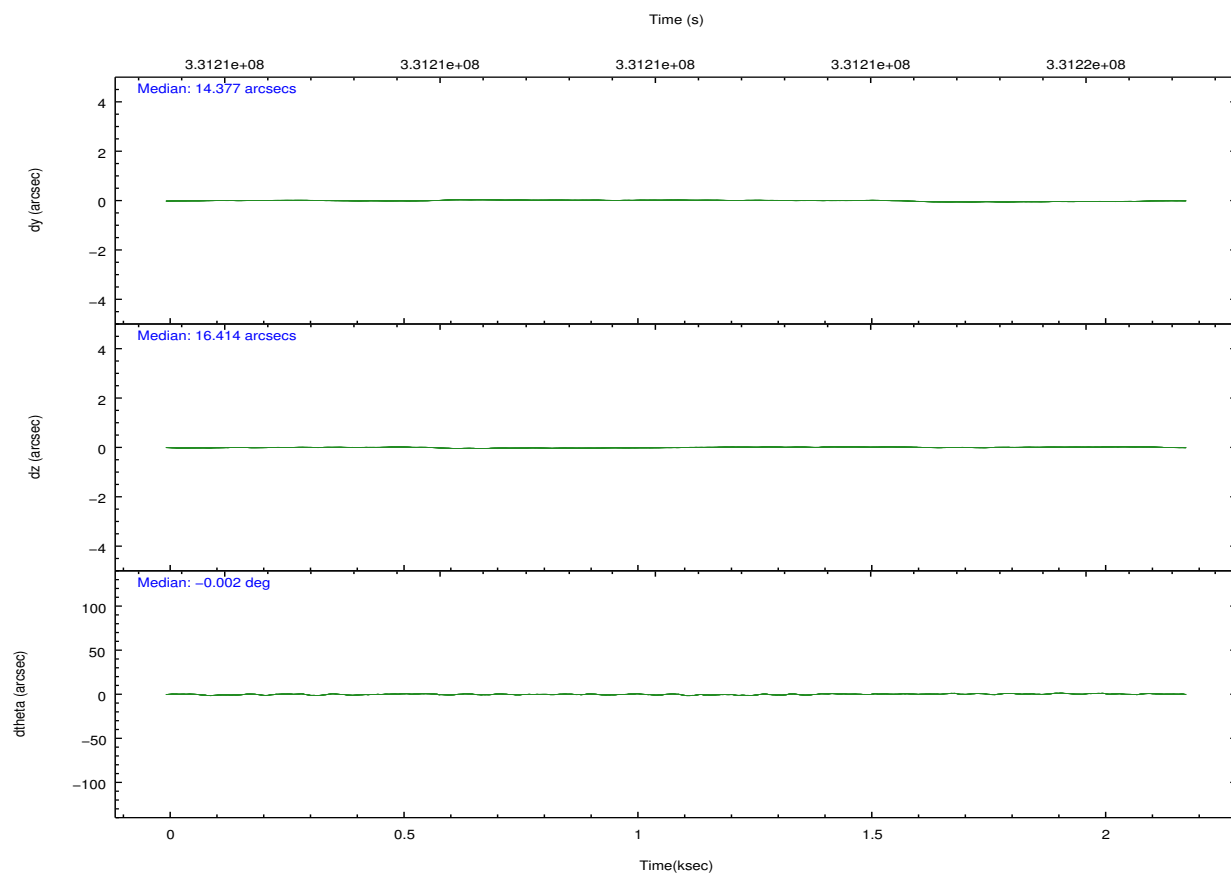
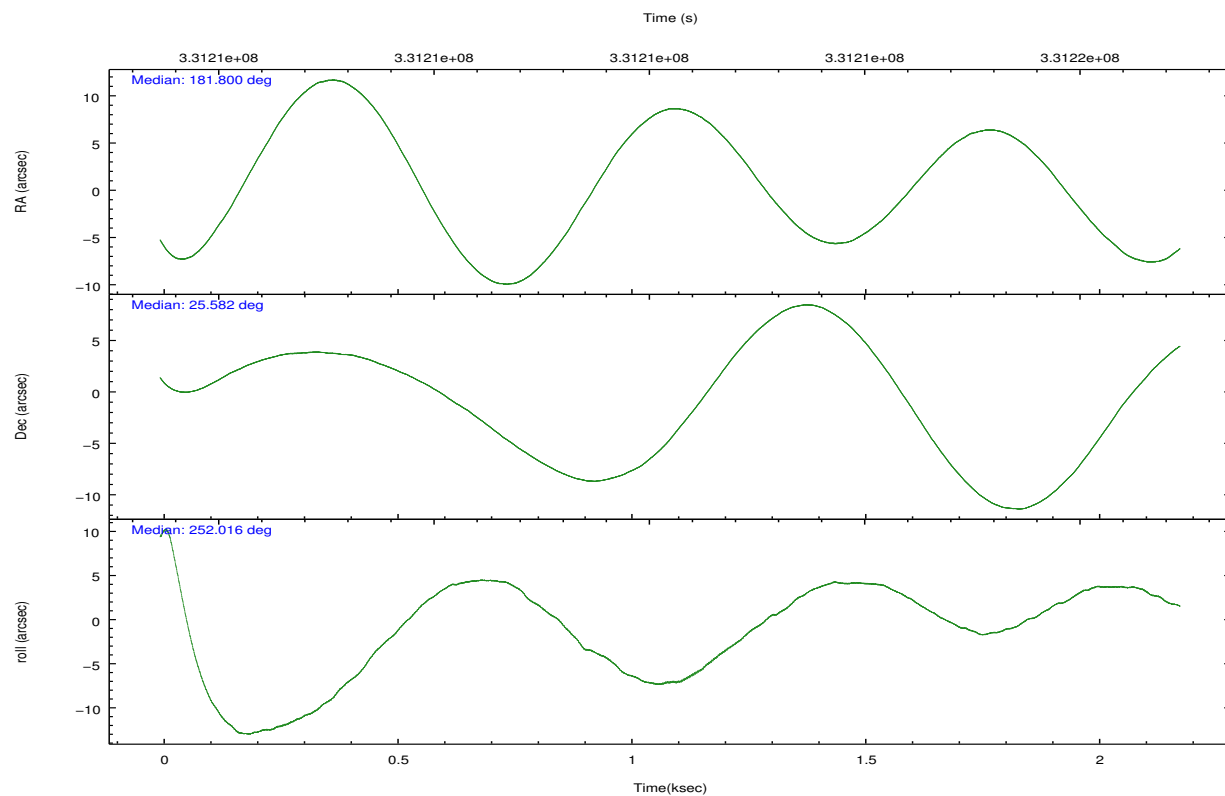
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1378	1590	1478	1541
	5%	6%	5%	5%
grade 1 events	14	20	19	15
	0%	0%	0%	0%
grade 2 events	764	906	698	649
	3%	3%	2%	2%
grade 3 events	292	366	308	291
	1%	1%	1%	1%
grade 4 events	317	359	290	320
	1%	1%	1%	1%
grade 5 events	1119	1239	1082	1325
	4%	4%	4%	5%
grade 6 events	594	743	558	598
	2%	2%	2%	2%
grade 7 events	20140	19815	22529	21285
	81%	79%	83%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	181.793427	181.7998565090334	Subarray requested	NONE	NONE
[deg] Pointing Dec	25.608234	25.58138406978326	Alternating exposures requested	N	N
[deg] Pointing Roll	251.814466	252.0204828897325	[s] Primary exposure time	0.000000	3.1
[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)	331213131.184000	331211871.74084			
Observation start date	2008-06-30T11:37:46	2008-06-30T11:17:51			
[s] Observation end time (MET)	331215131.184000	331216313.57856			
Observation end date	2008-06-30T12:11:06	2008-06-30T12:31:53			
Read mode	TIMED	TIMED			

2.3 Aspect



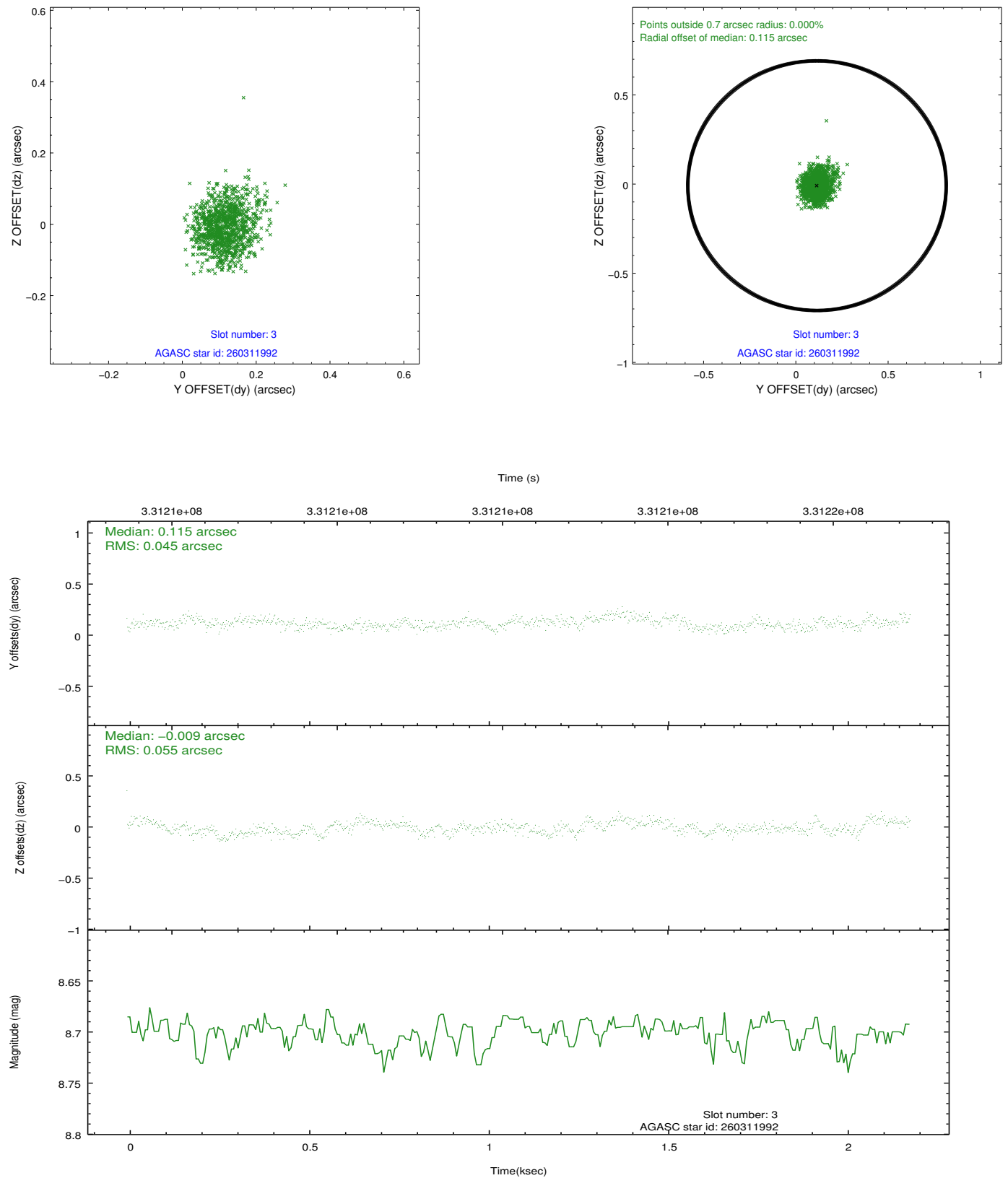


Slot Statistics

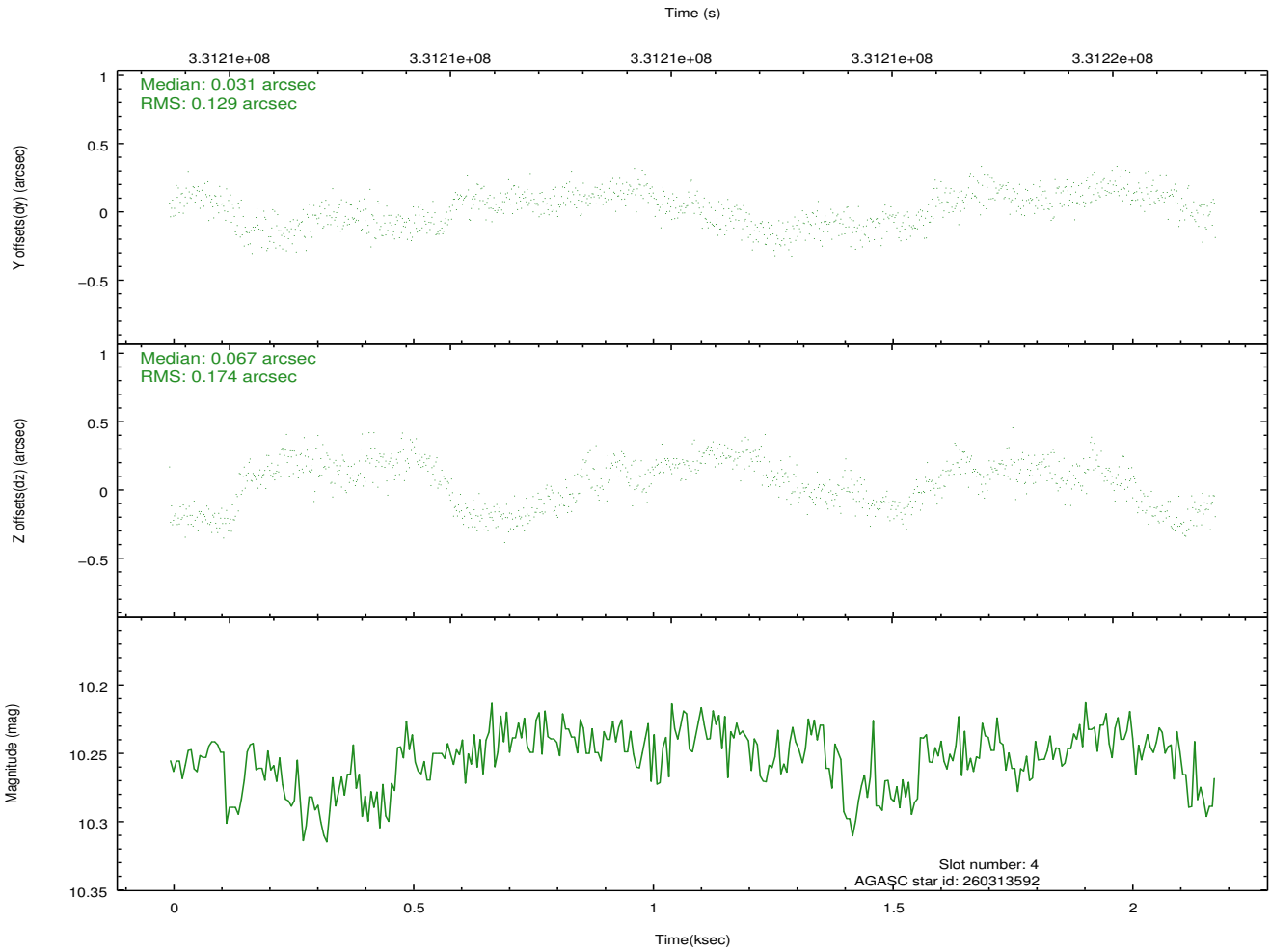
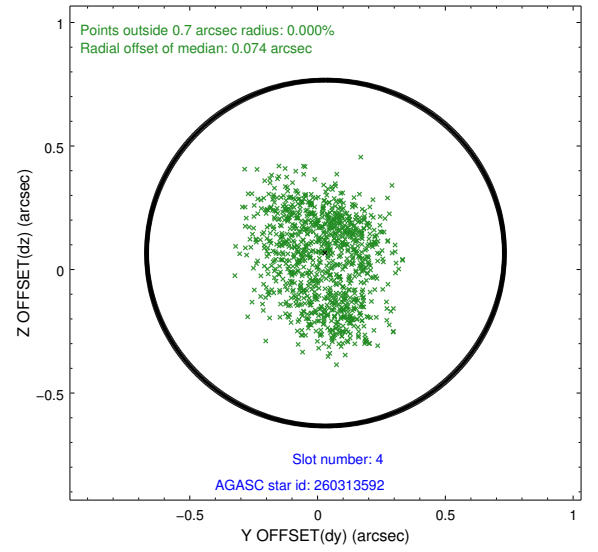
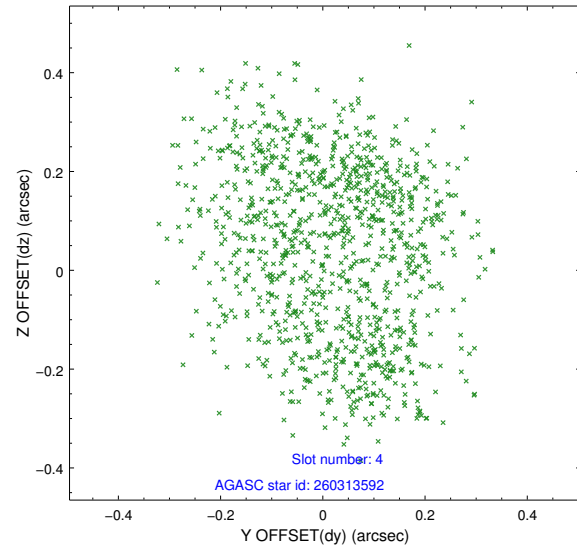
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	532	-0.006	-0.065	0.010	0.018	0.000000	0.000000	925.11	-840.10
1	FID	ACIS-I-4	6.95	532	0.094	0.071	0.008	0.013	0.000000	0.000000	2146.89	1058.34
2	FID	ACIS-I-5	7.01	532	-0.187	0.064	0.007	0.012	0.000000	0.000000	-1819.25	1059.55
3	GUIDE	260311992	8.70	1064	0.115	-0.009	0.076	0.120	181.523883	25.770356	-281.72	-1012.15
4	GUIDE	260313592	10.25	1064	0.031	0.067	0.236	0.357	181.232713	25.453630	1094.32	-1559.22
5	GUIDE	260320728	8.69	1064	-0.261	0.059	0.091	0.139	182.535274	25.895372	-1737.30	1956.63
6	GUIDE	260581192	9.47	1065	-0.089	-0.044	0.126	0.210	181.389298	26.361347	-2172.03	-2083.62
7	GUIDE	260310952	8.93	1064	0.210	-0.044	0.104	0.156	182.132157	24.800209	2415.28	1957.77

2.4 Star Slots

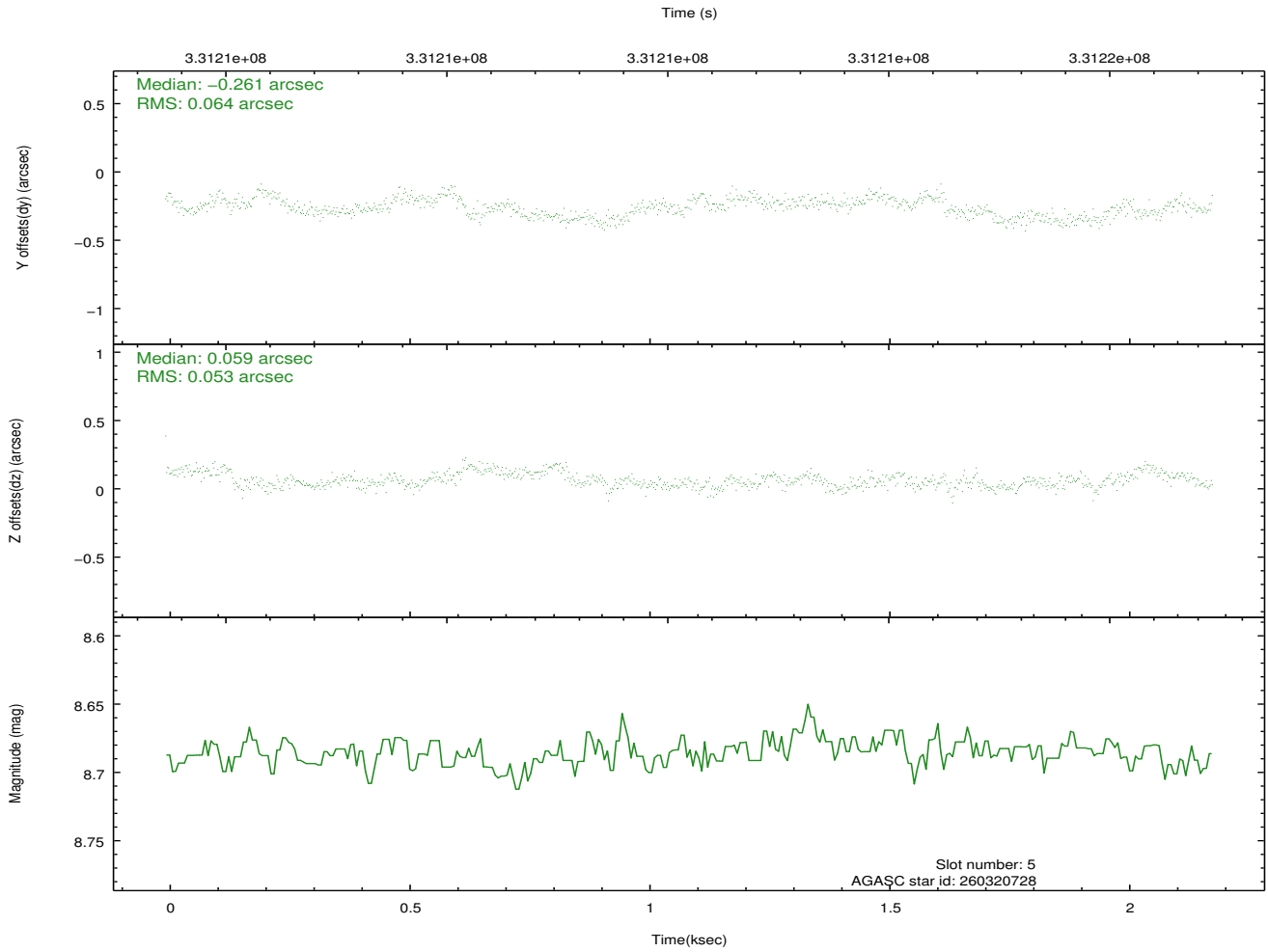
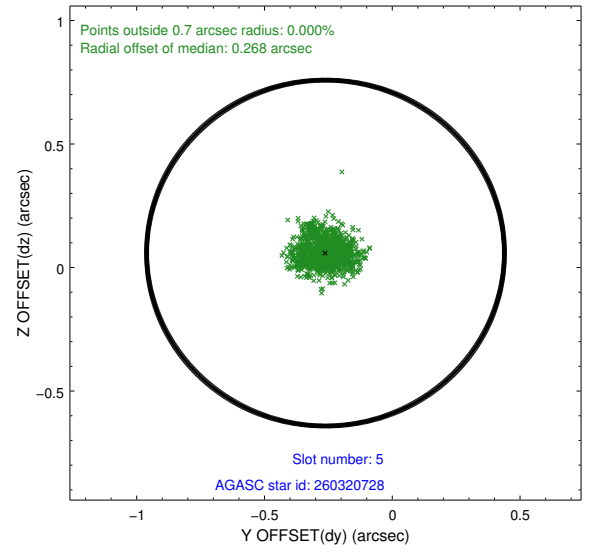
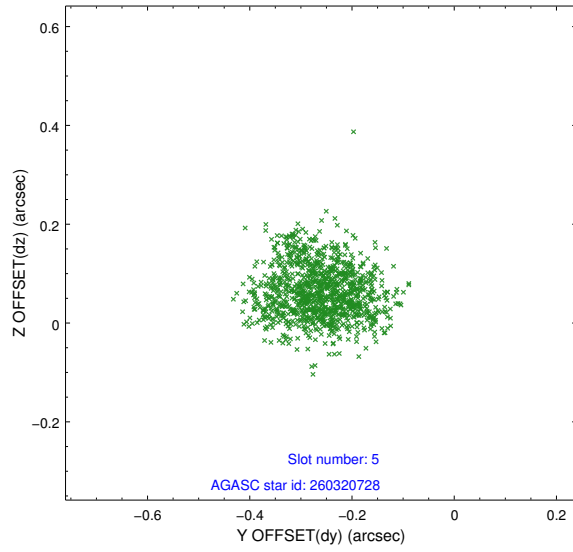
2.4.1 Slot 3



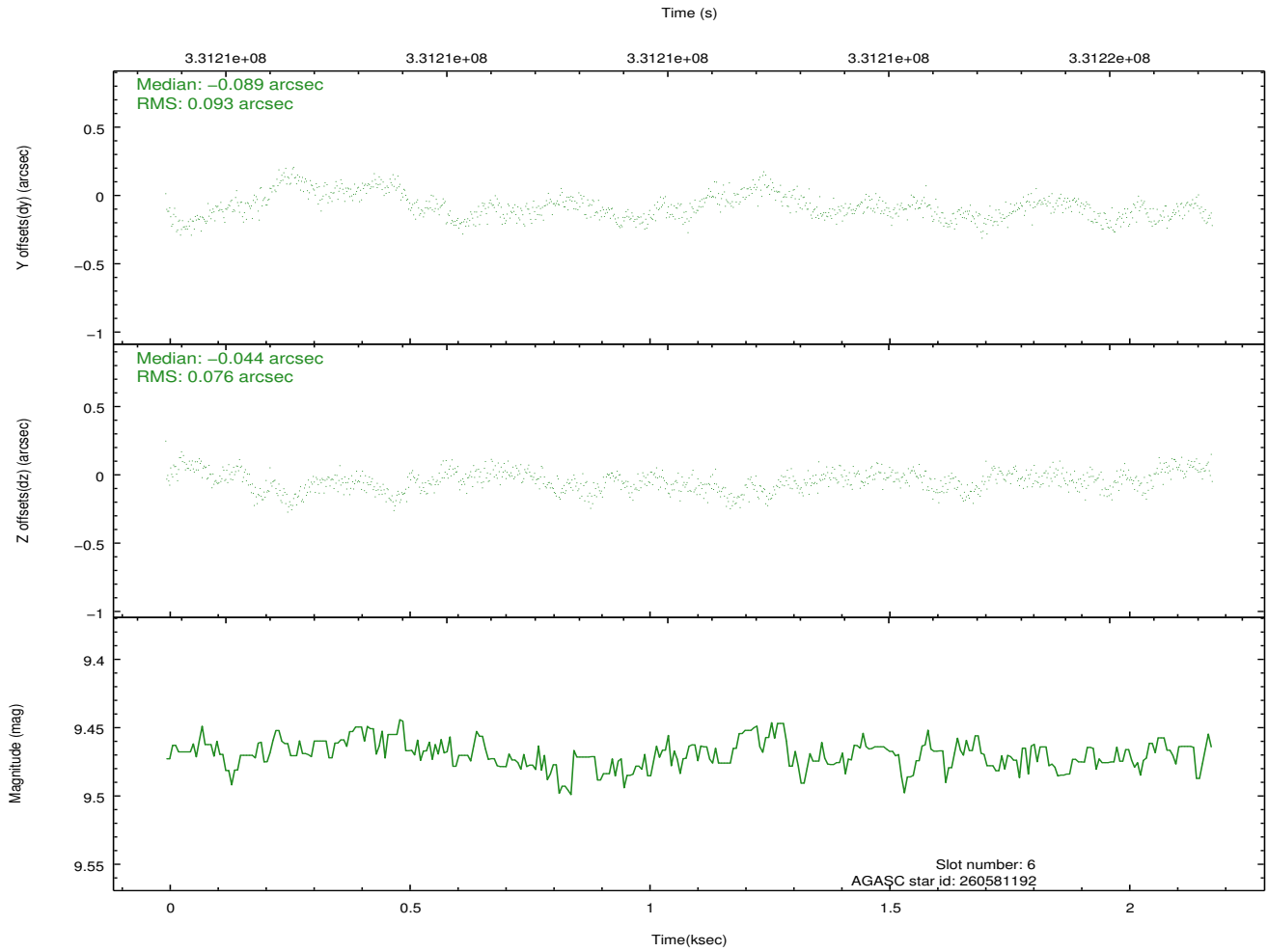
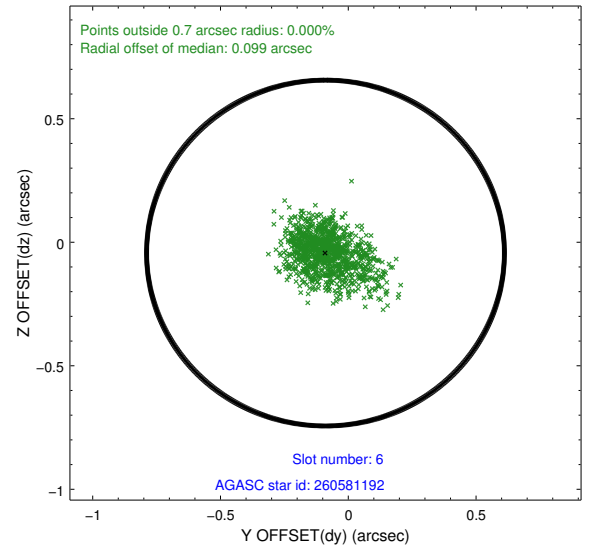
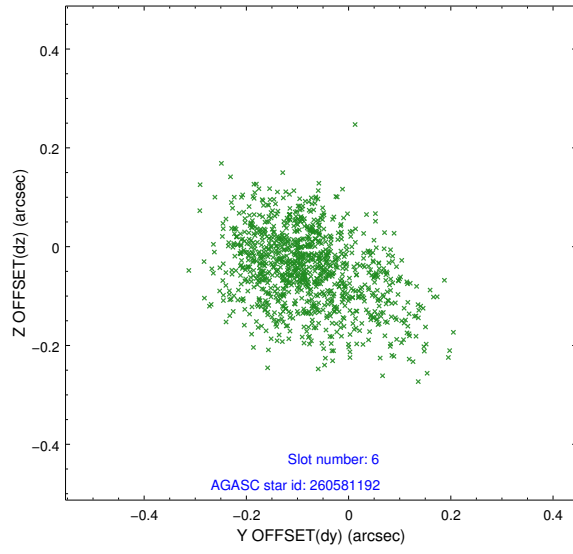
2.4.2 Slot 4



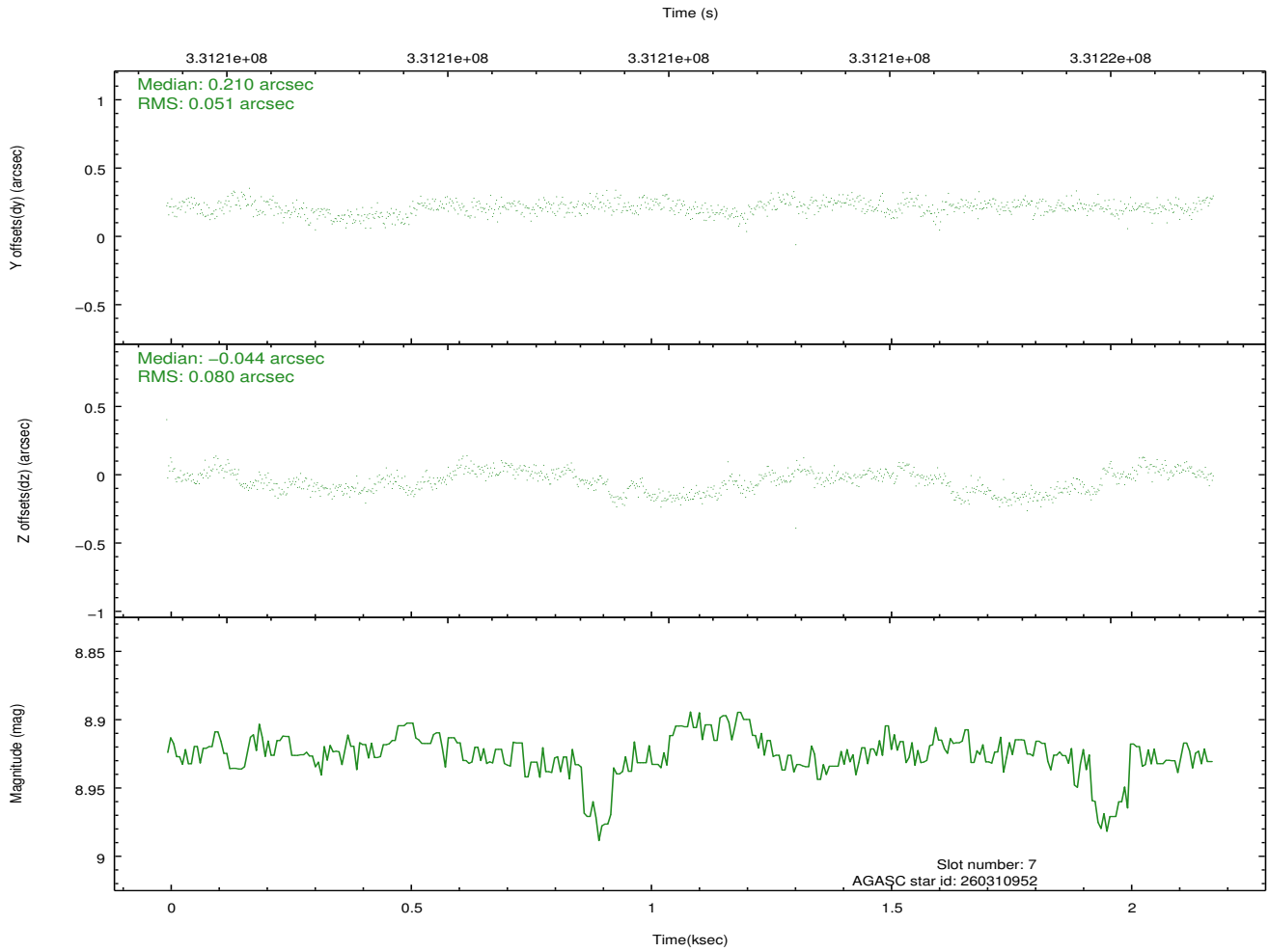
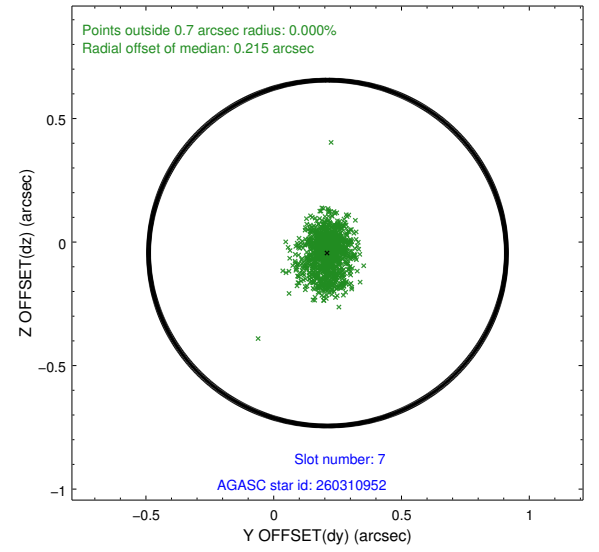
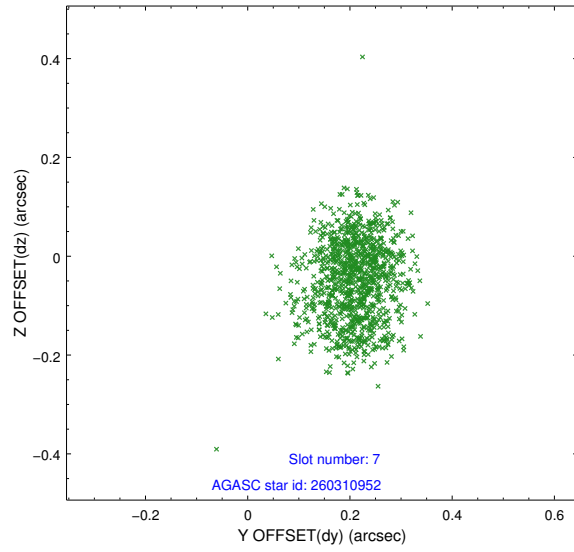
2.4.3 Slot 5



2.4.4 Slot 6

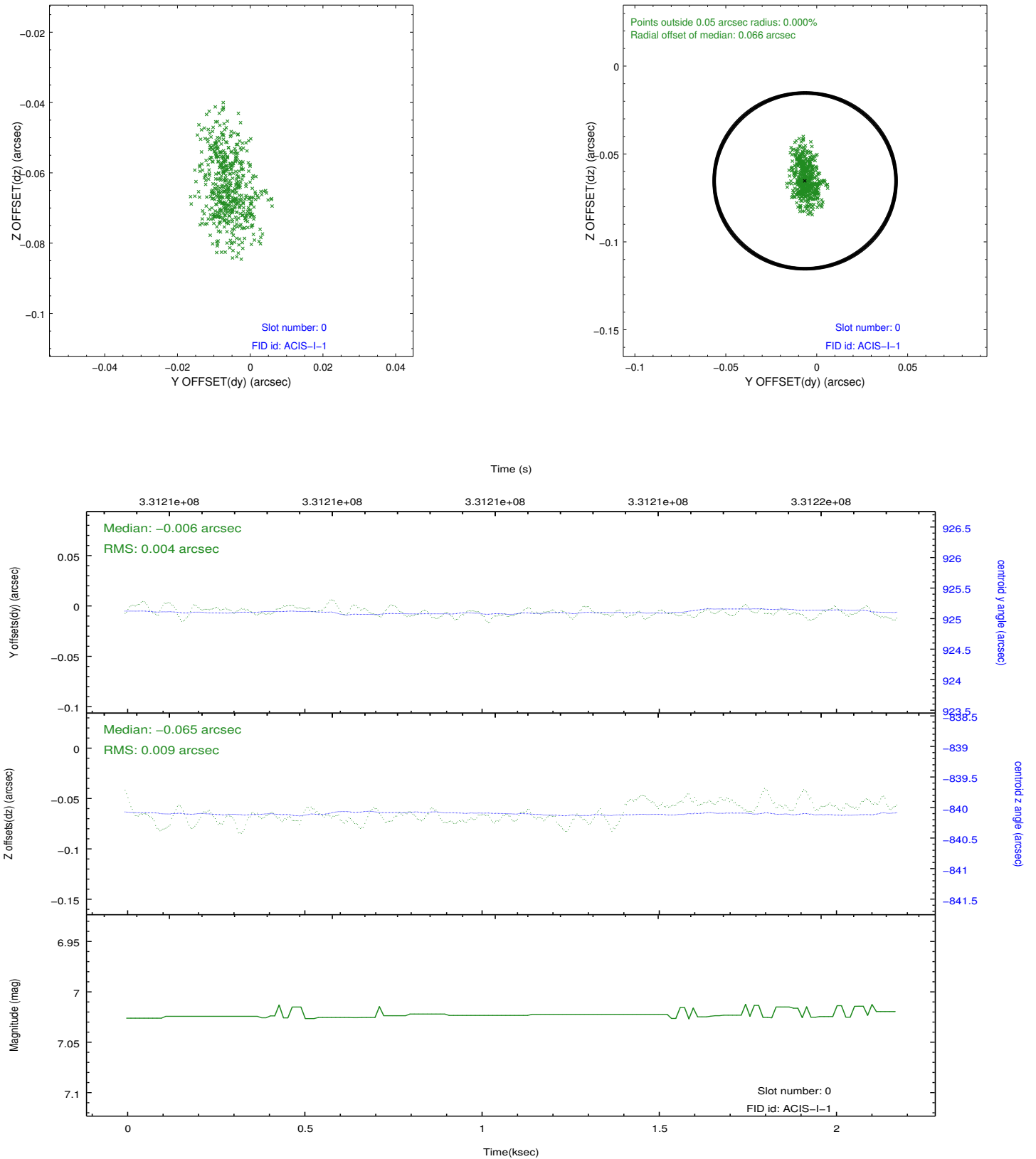


2.4.5 Slot 7

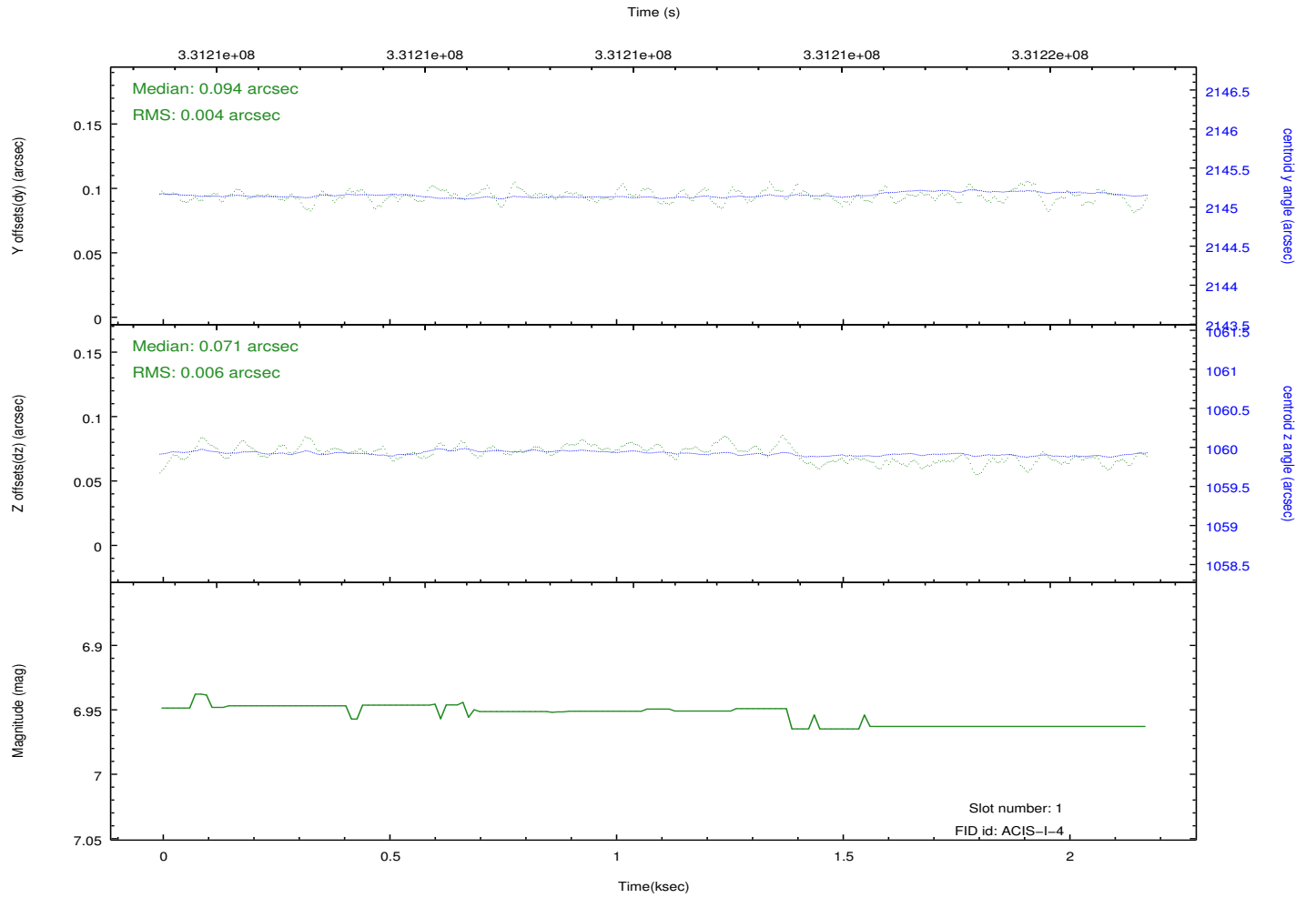
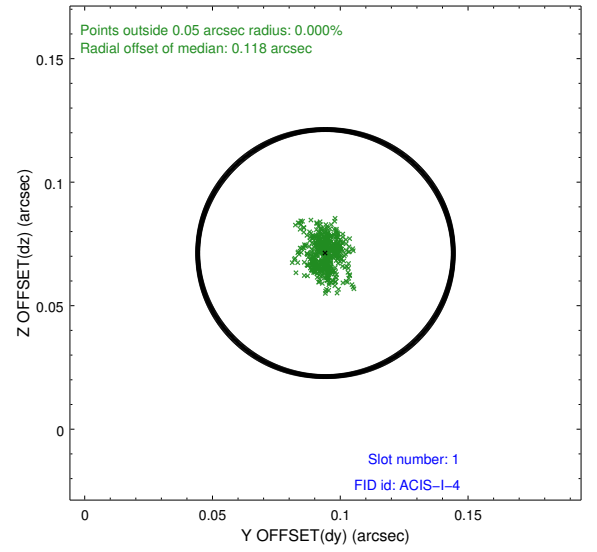
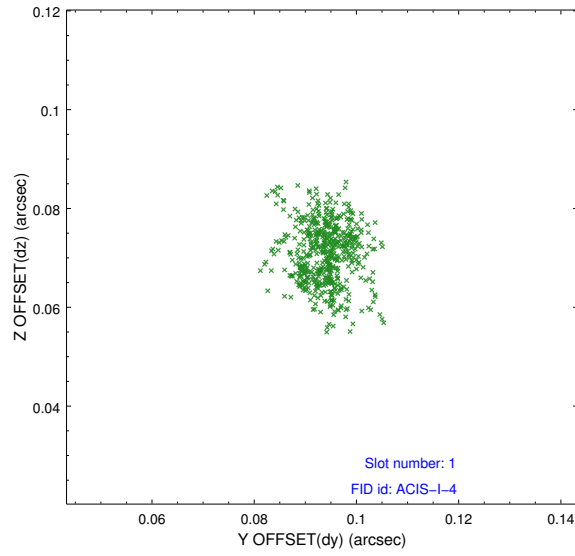


2.5 FID Slots

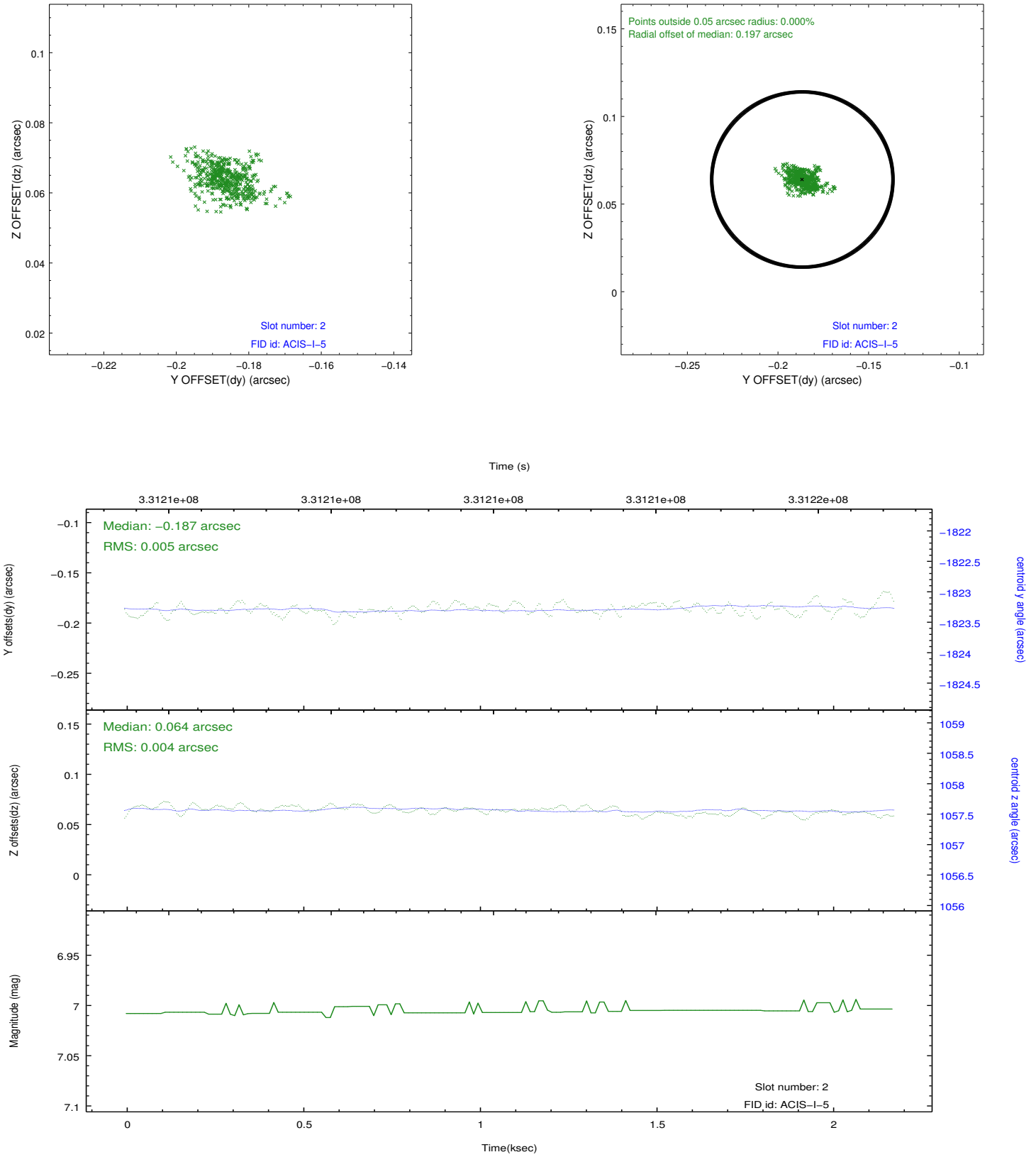
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17310001

A.2 Comments