

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9446 - L2 Version 2  
Chandra X-Ray Center

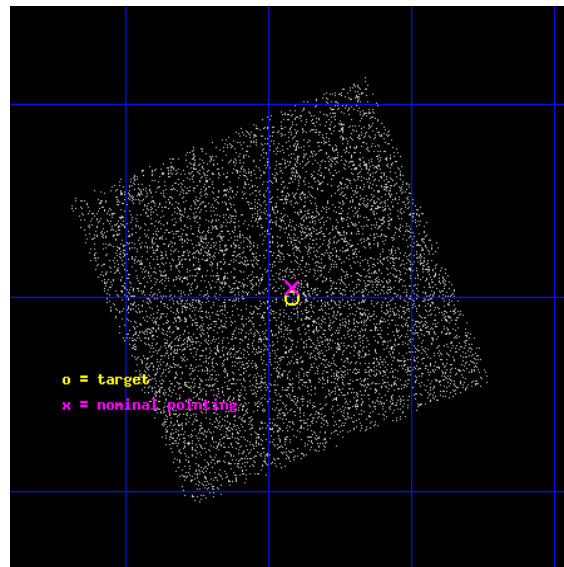
L2 Processing Date : May 23 2012

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# 1 Front

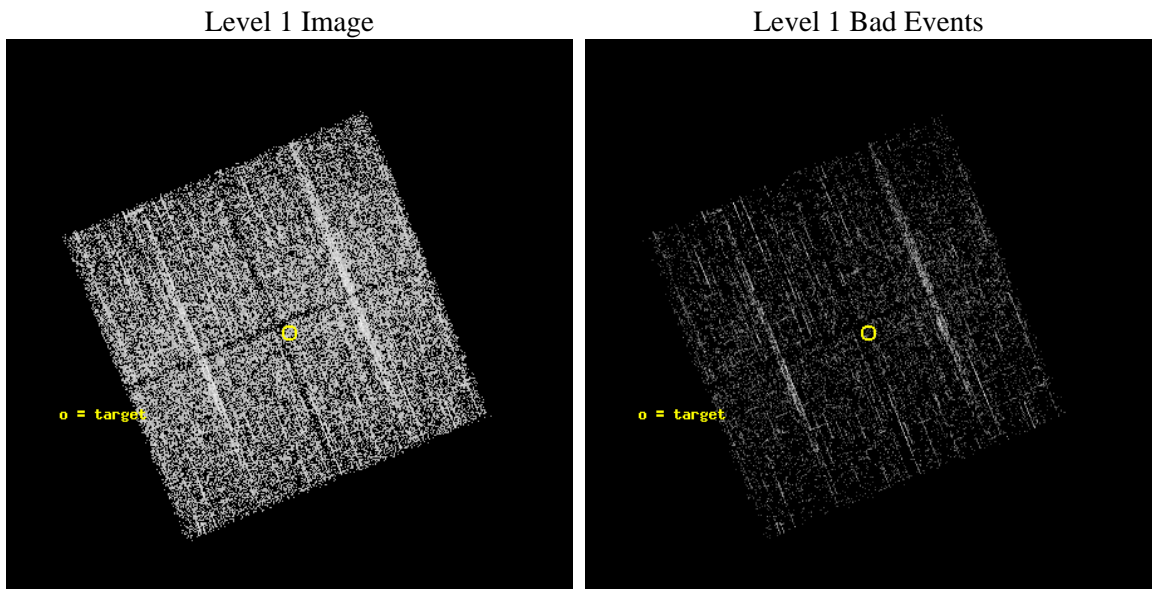
seq_num	900792	Sequence number
obs_id	9446	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	IGR J12205-0320	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.229167	Observer's specified target RA [deg]
dec_targ	-3.333056	Observer's specified target Dec [deg]
ra_nom	185.22977967835	Nominal RA [deg]
dec_nom	-3.3247406237135	Nominal Dec [deg]
roll_nom	67.706337800599	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1970.9756790996	Sum of GTIs [s]
livetime	1945.2234308409	Livetime [s]
ontime0	1973.9935393333	Sum of GTIs [s]
ontime1	1974.0345793366	Sum of GTIs [s]
ontime2	1974.0756193399	Sum of GTIs [s]
ontime3	1970.9756790996	Sum of GTIs [s]
l2events	8500	Number of level 2 events



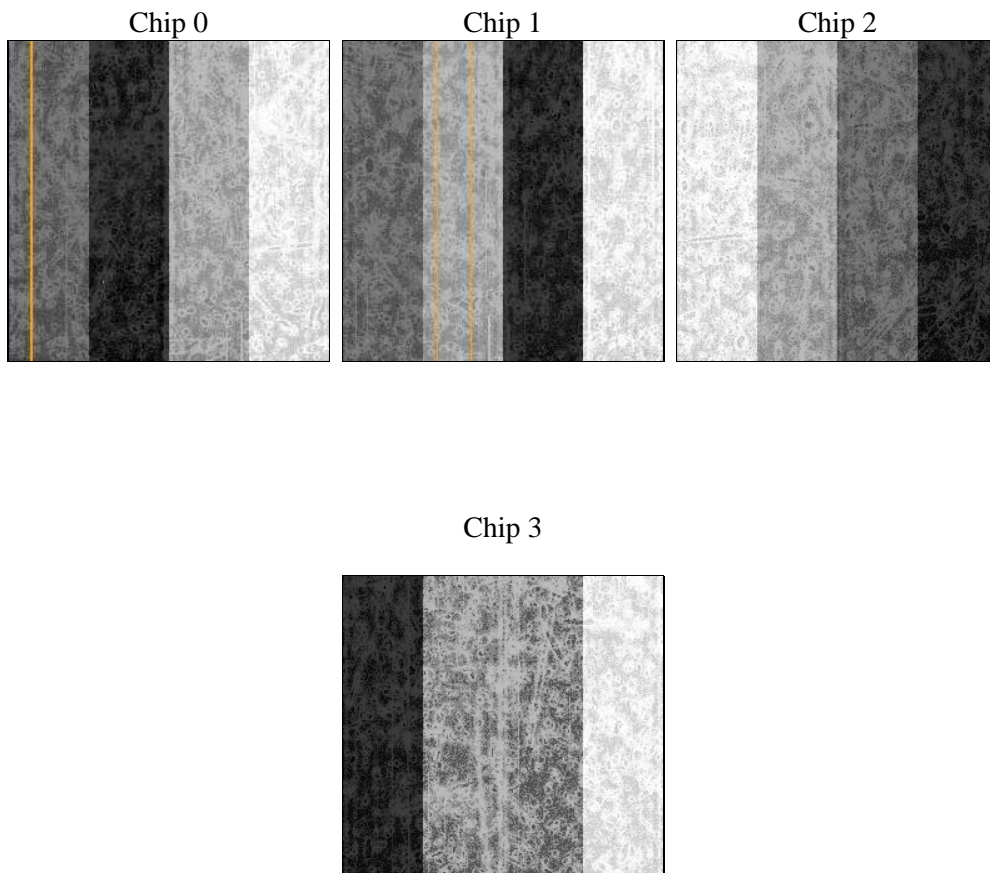
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1970.9756790996	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	1973.9935393333	Sum of GTIs [s]
date	2012-05-24T02:17:40	Date and time of file creation	ontime1	1974.0345793366	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1974.0756193399	Sum of GTIs [s]
			ontime3	1970.9756790996	Sum of GTIs [s]
			l1events	75771	Number of level 1 events

### 2.1.4 Events

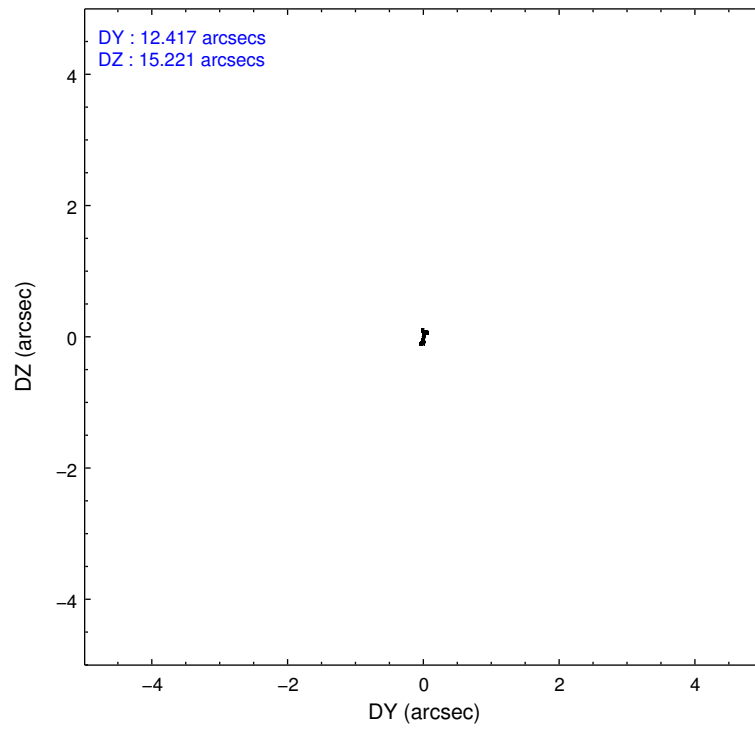
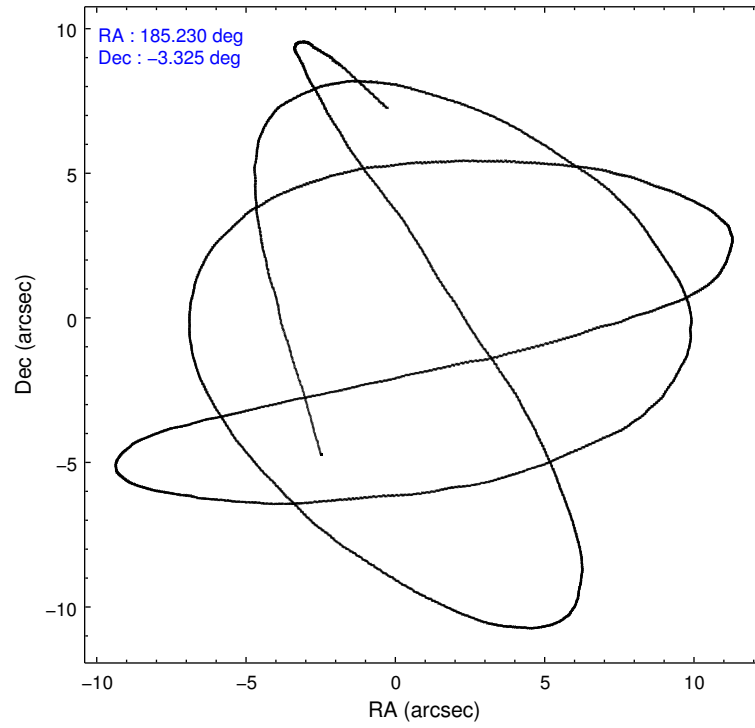
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	19311	17999	19042	19419
rejected events	16812	15439	16545	16988
rejected %	87%	85%	86%	87%

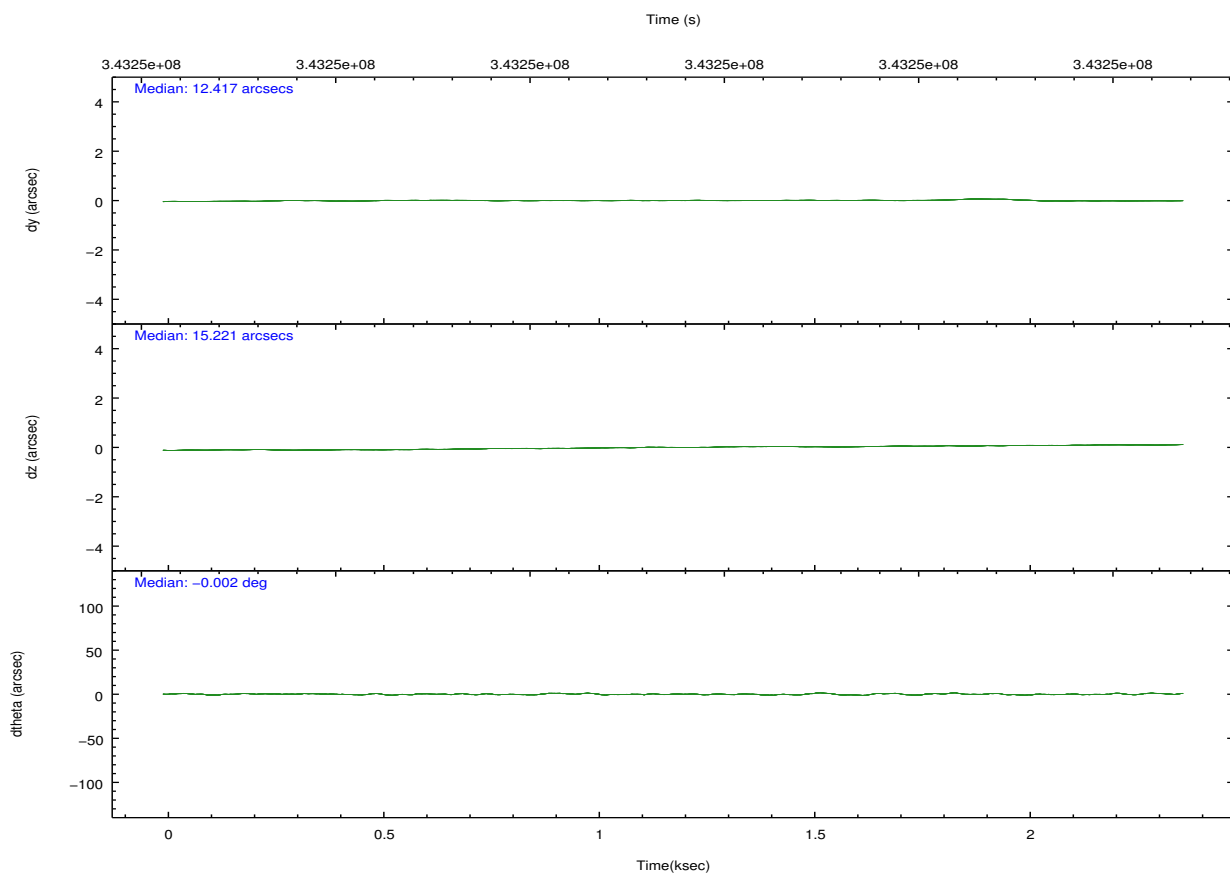
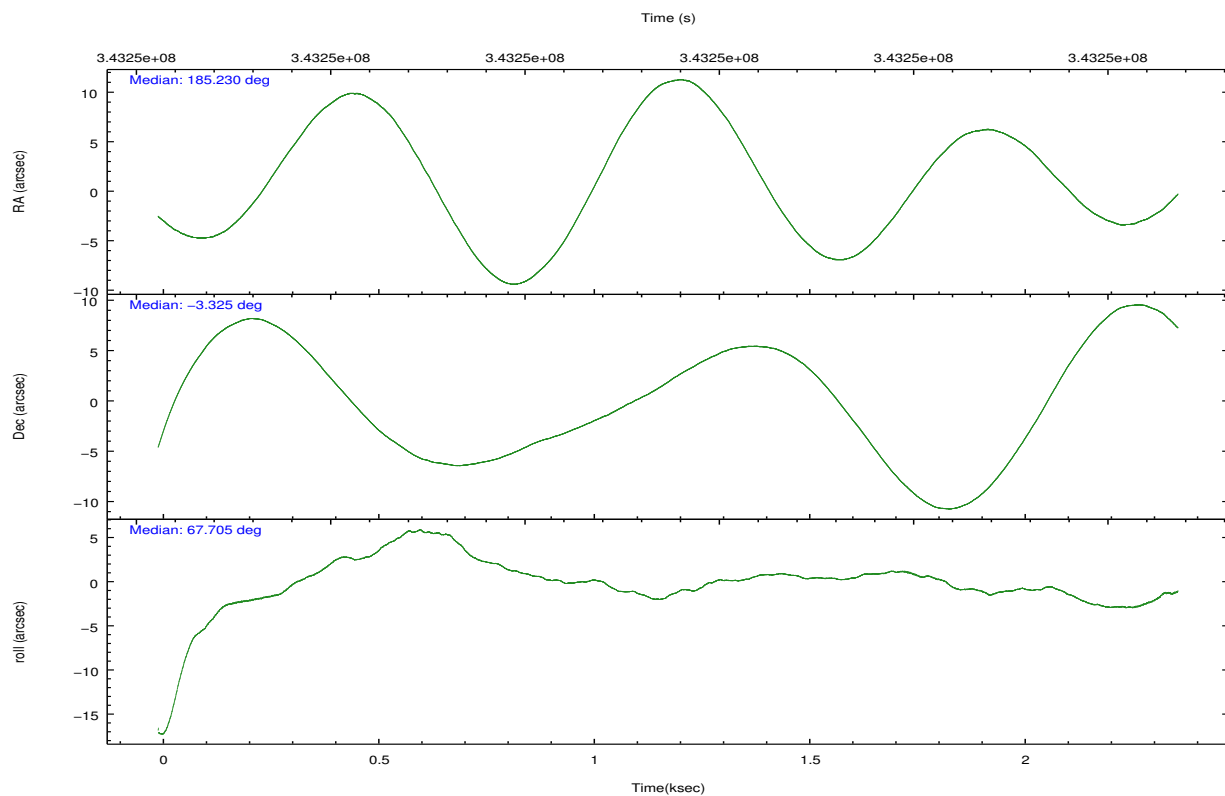
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1045	905	1104	1082
	5%	5%	5%	5%
grade 1 events	14	11	15	20
	0%	0%	0%	0%
grade 2 events	614	645	540	460
	3%	3%	2%	2%
grade 3 events	228	240	227	241
	1%	1%	1%	1%
grade 4 events	226	264	219	215
	1%	1%	1%	1%
grade 5 events	839	857	827	949
	4%	4%	4%	4%
grade 6 events	395	514	415	442
	2%	2%	2%	2%
grade 7 events	15950	14563	15695	16010
	82%	80%	82%	82%

## 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	185.233675	185.2297796783541	Subarray requested	NONE	NONE
[deg] Pointing Dec	-3.352238	-3.324740623713509	Alternating exposures requested	N	N
[deg] Pointing Roll	67.497968	67.7063378005993	[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)	343249359.184000	343248747.94215			
Observation start date	2008-11-16T19:01:34	2008-11-16T18:52:27			
[s] Observation end time (MET)	343251539.184000	343252298.02983			
Observation end date	2008-11-16T19:37:54	2008-11-16T19:51:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect



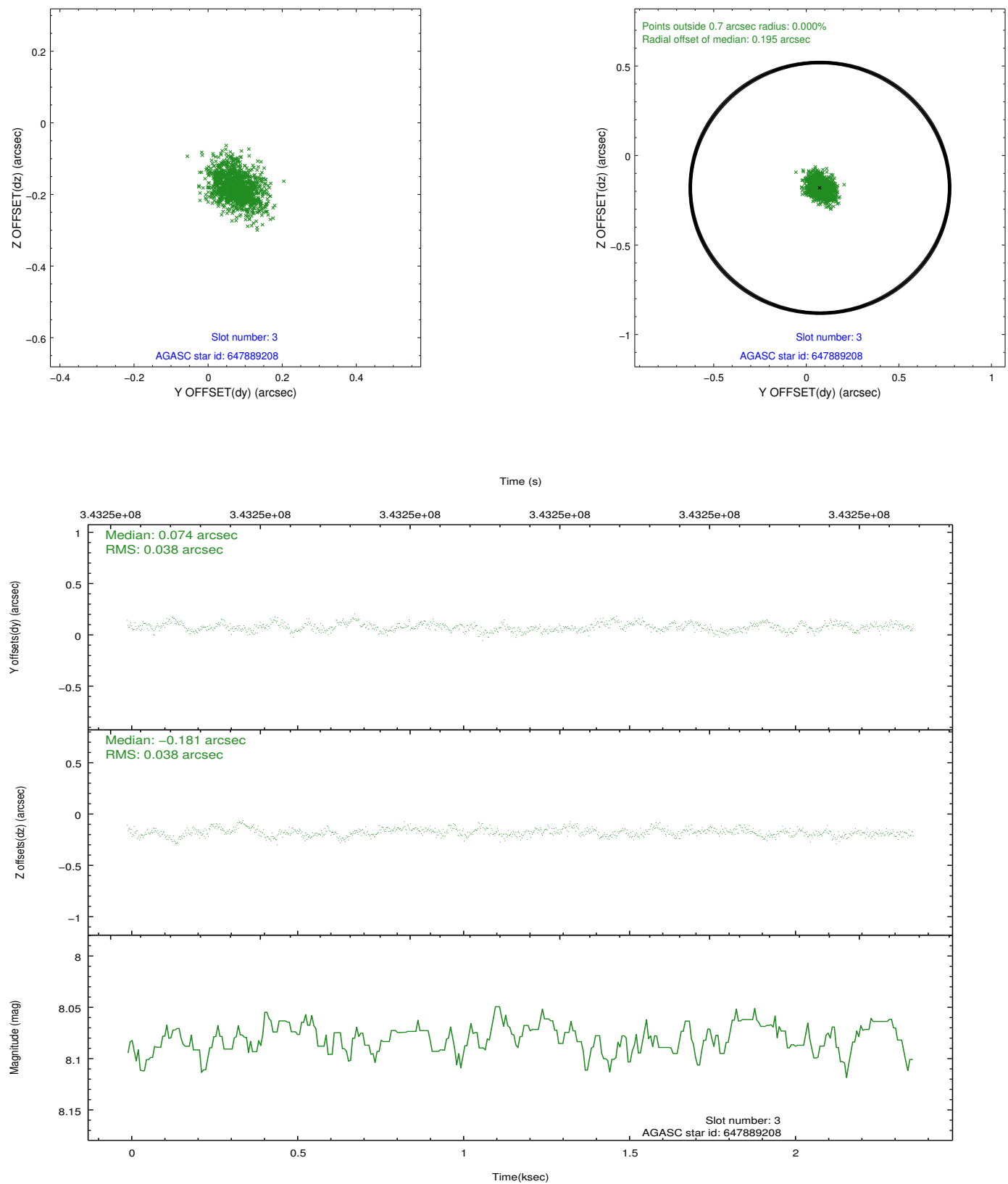


### Slot Statistics

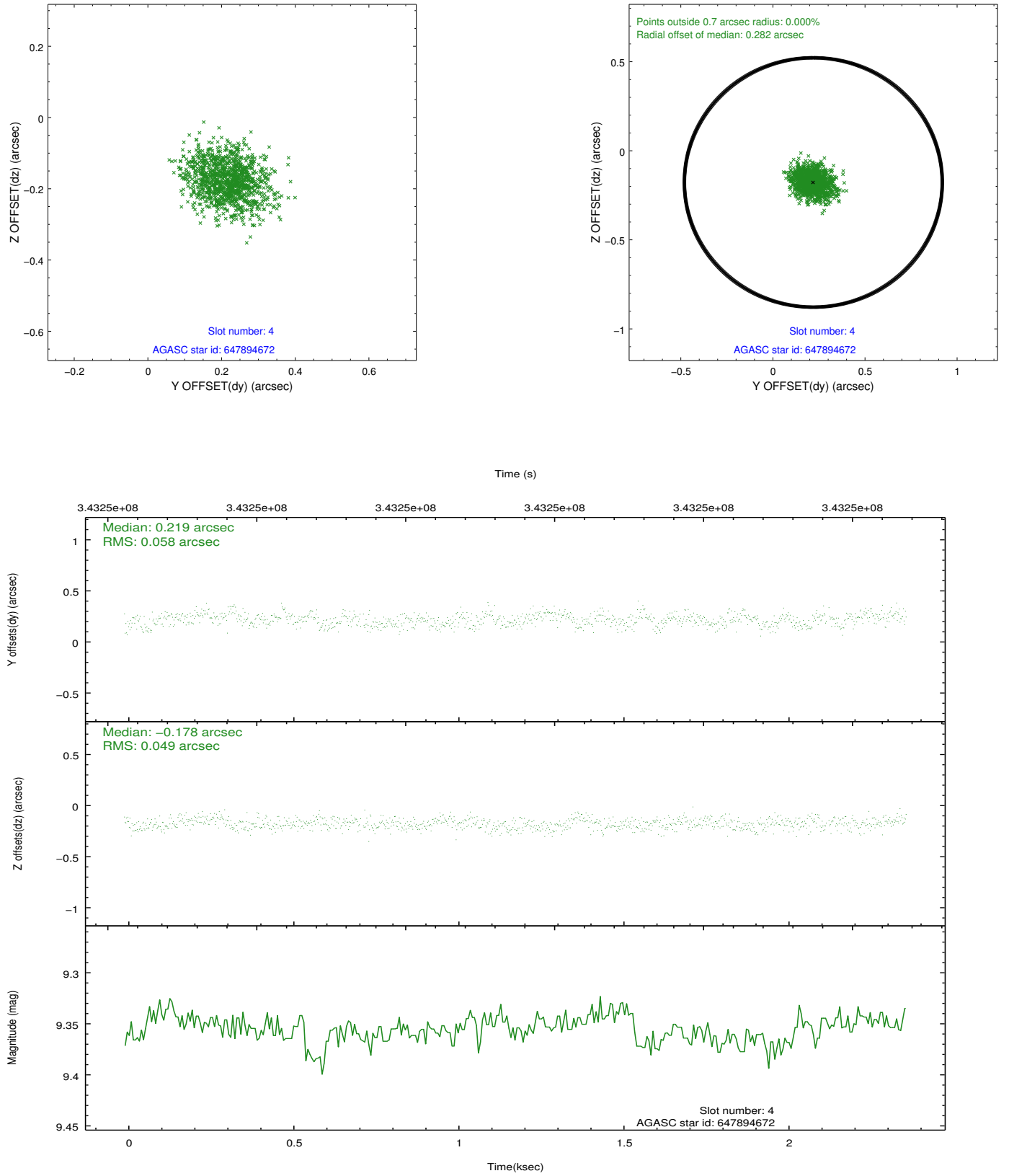
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	578	-0.021	-0.004	0.010	0.015	0.000000	0.000000	927.09	-838.82
1	FID	ACIS-I-4	6.97	578	0.142	0.037	0.007	0.012	0.000000	0.000000	2148.82	1059.65
2	FID	ACIS-I-5	7.02	578	-0.219	0.038	0.007	0.013	0.000000	0.000000	-1817.59	1060.61
3	GUIDE	647889208	8.08	1156	0.074	-0.181	0.058	0.094	184.806211	-3.319788	-481.48	1463.58
4	GUIDE	647894672	9.35	1150	0.219	-0.178	0.082	0.131	184.676485	-3.599838	-1591.08	1509.10
5	GUIDE	648028536	8.07	1156	0.080	0.218	0.063	0.103	185.163606	-3.995187	-2237.57	-651.74
6	GUIDE	648021728	8.99	1155	-0.134	0.101	0.105	0.174	185.585999	-2.776193	2397.39	-376.79
7	GUIDE	648022024	9.99	1150	-0.245	0.035	0.131	0.218	185.138352	-2.829113	1609.90	1036.77

## 2.4 Star Slots

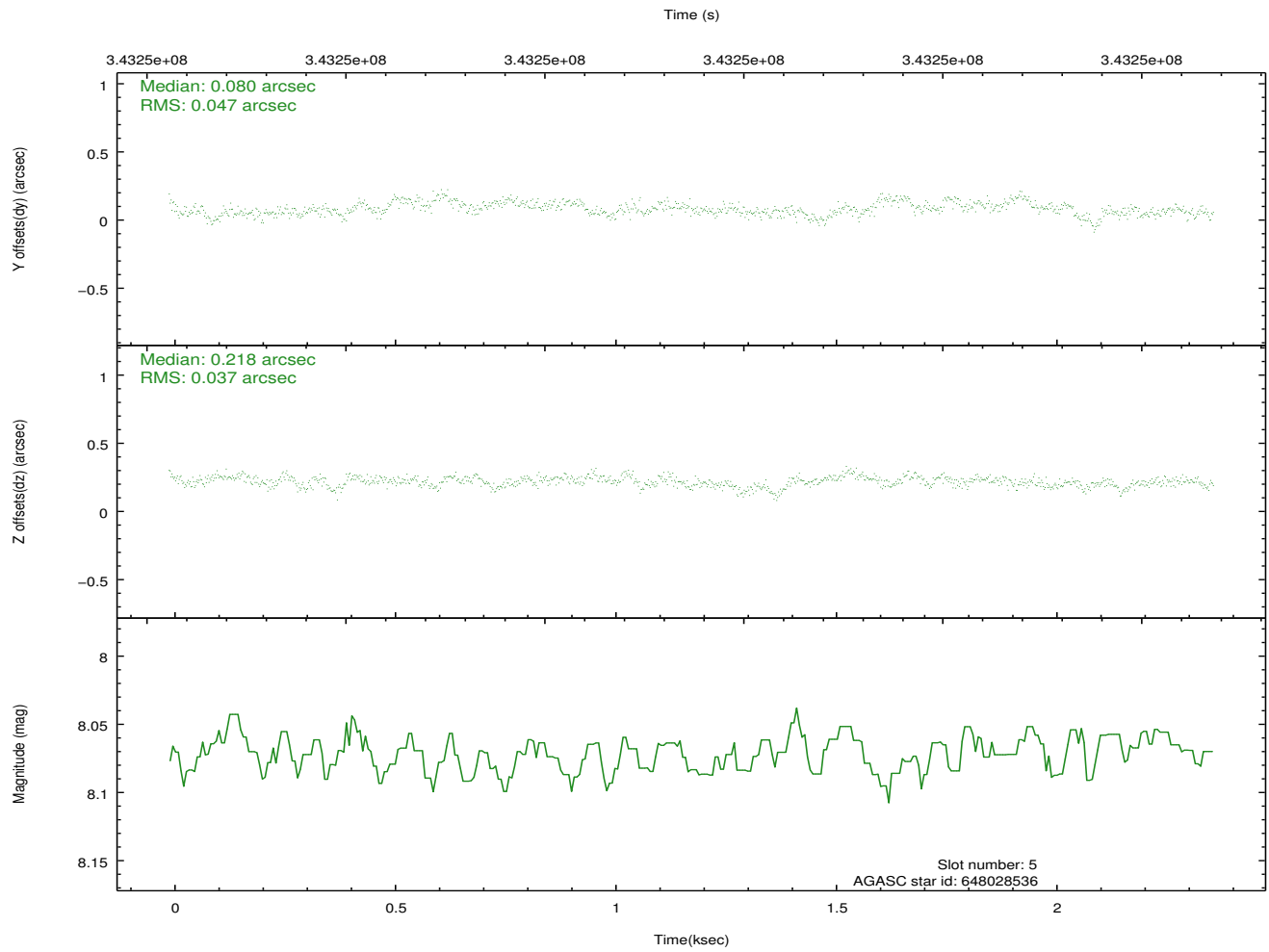
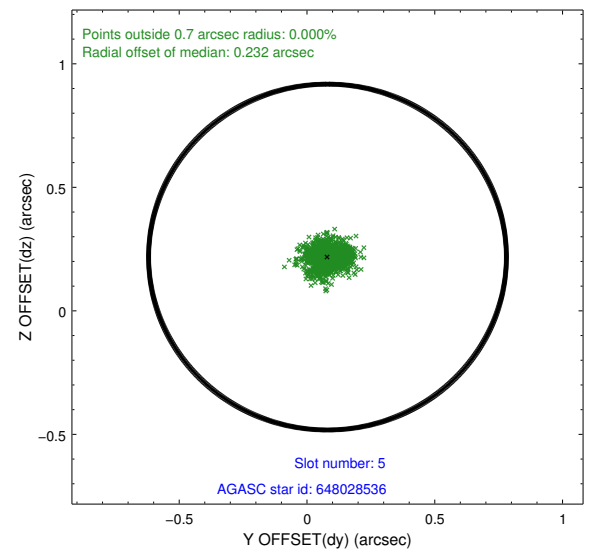
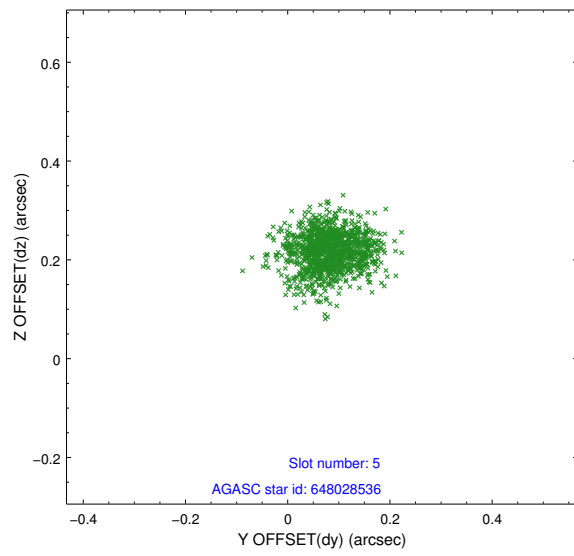
### 2.4.1 Slot 3



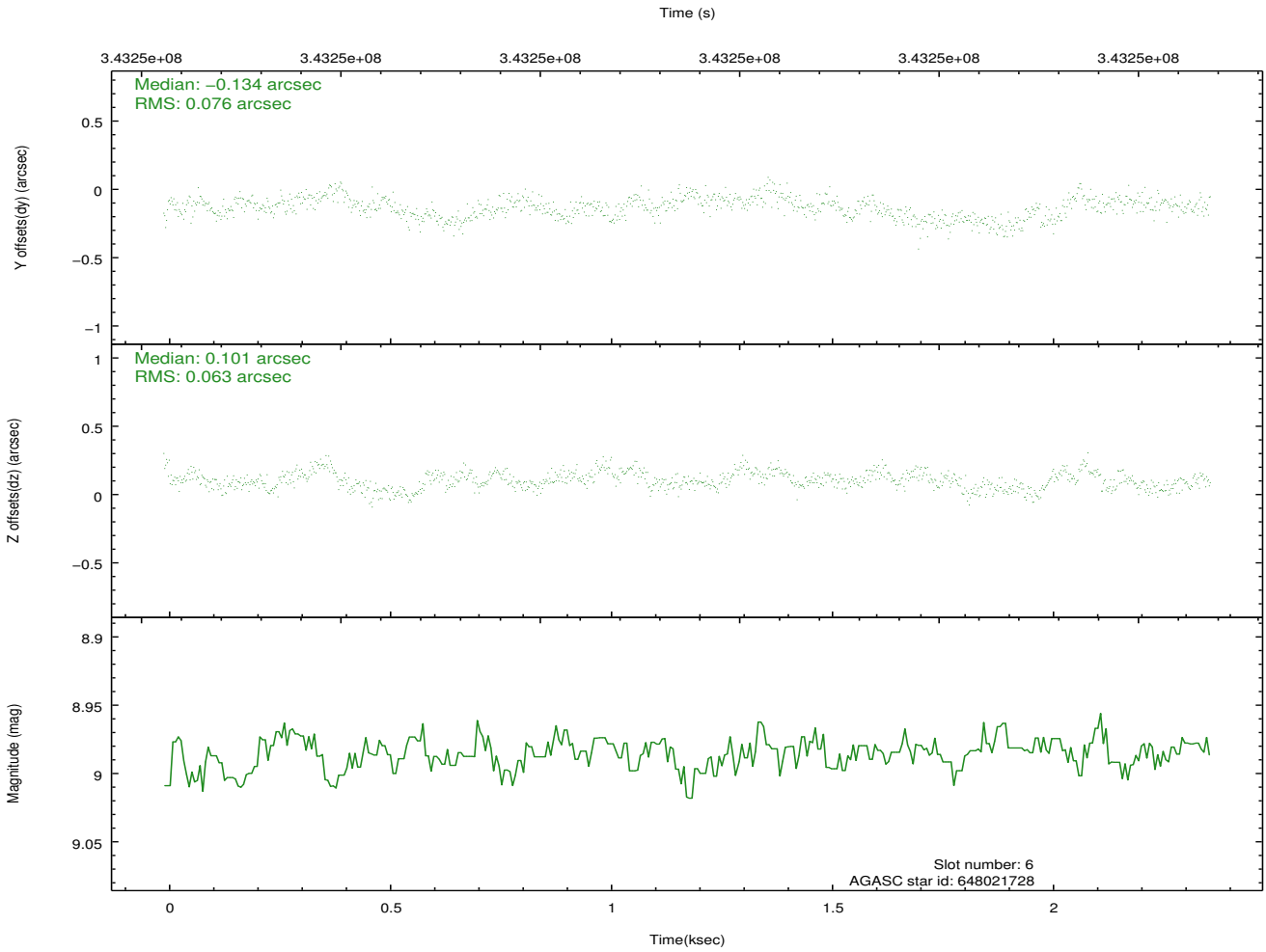
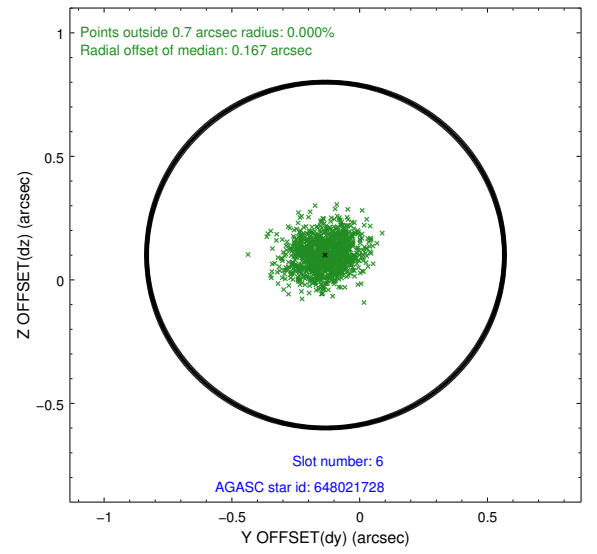
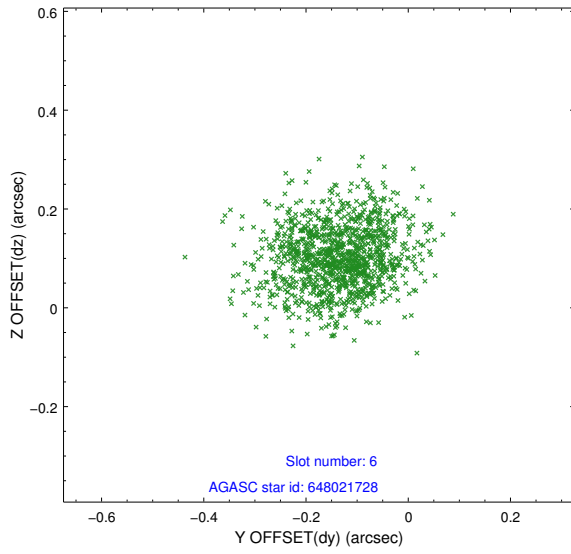
## 2.4.2 Slot 4



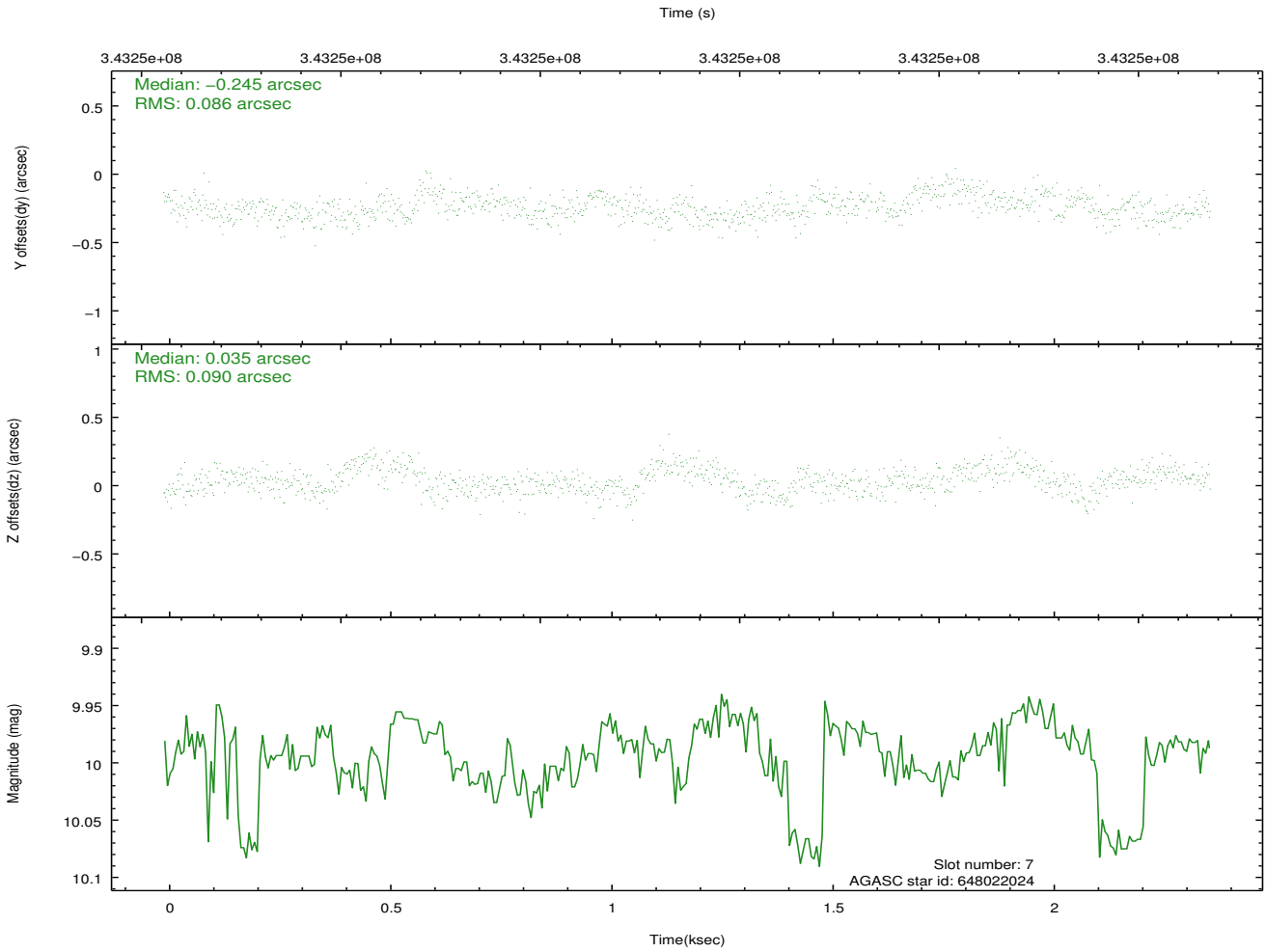
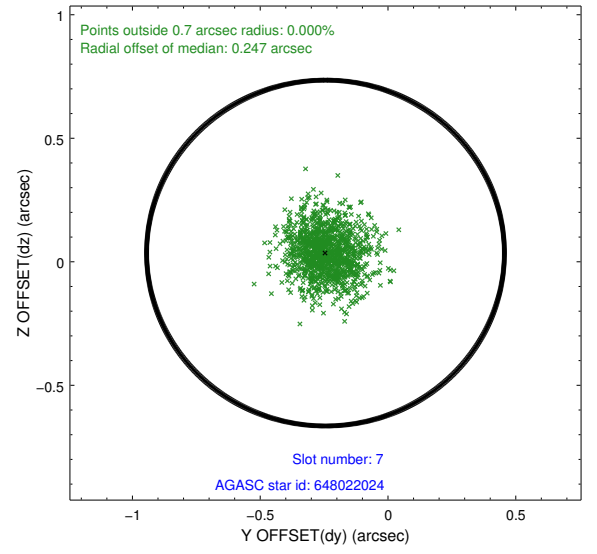
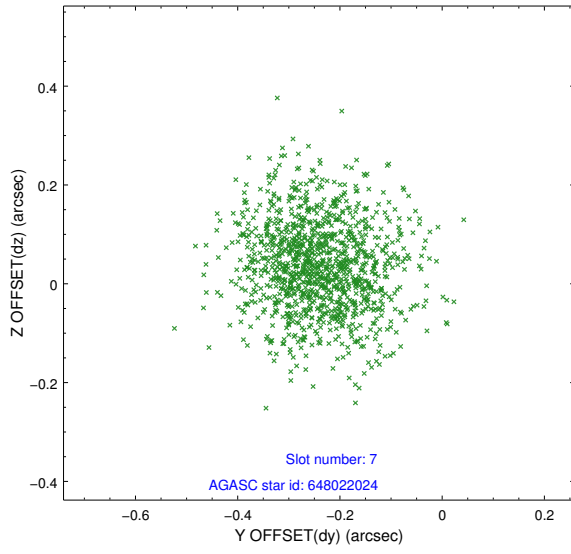
### 2.4.3 Slot 5



## 2.4.4 Slot 6

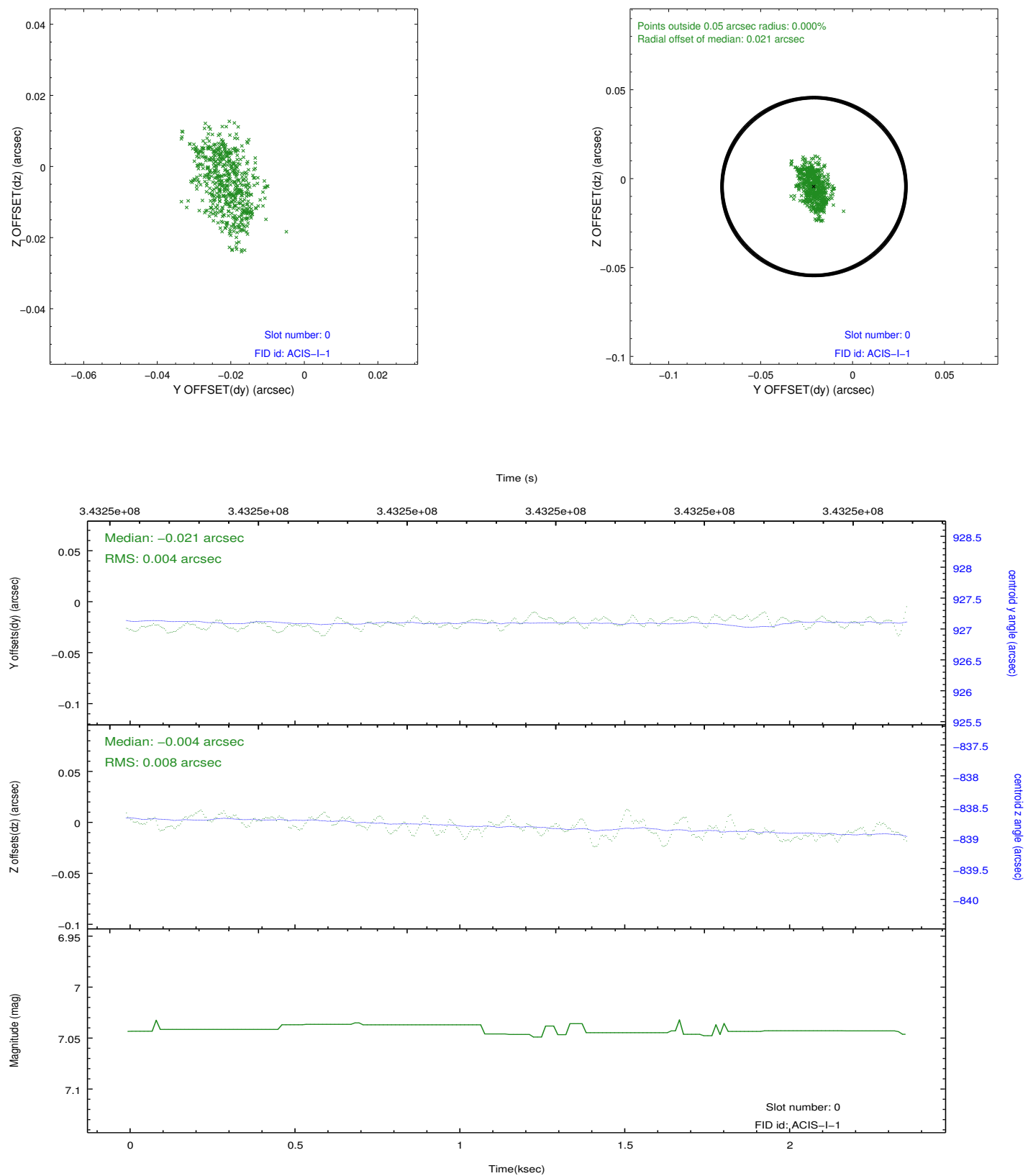


## 2.4.5 Slot 7

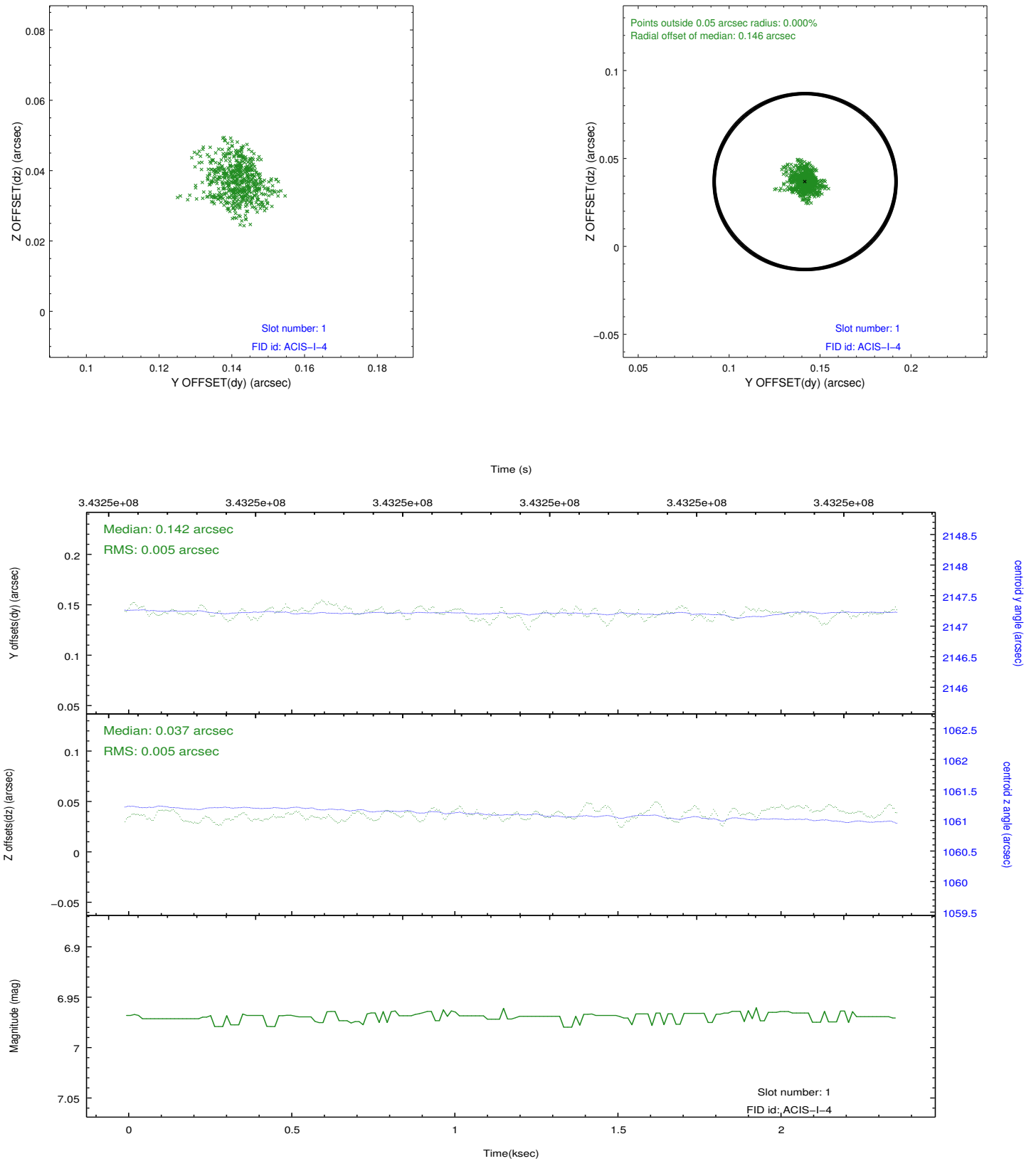


## 2.5 FID Slots

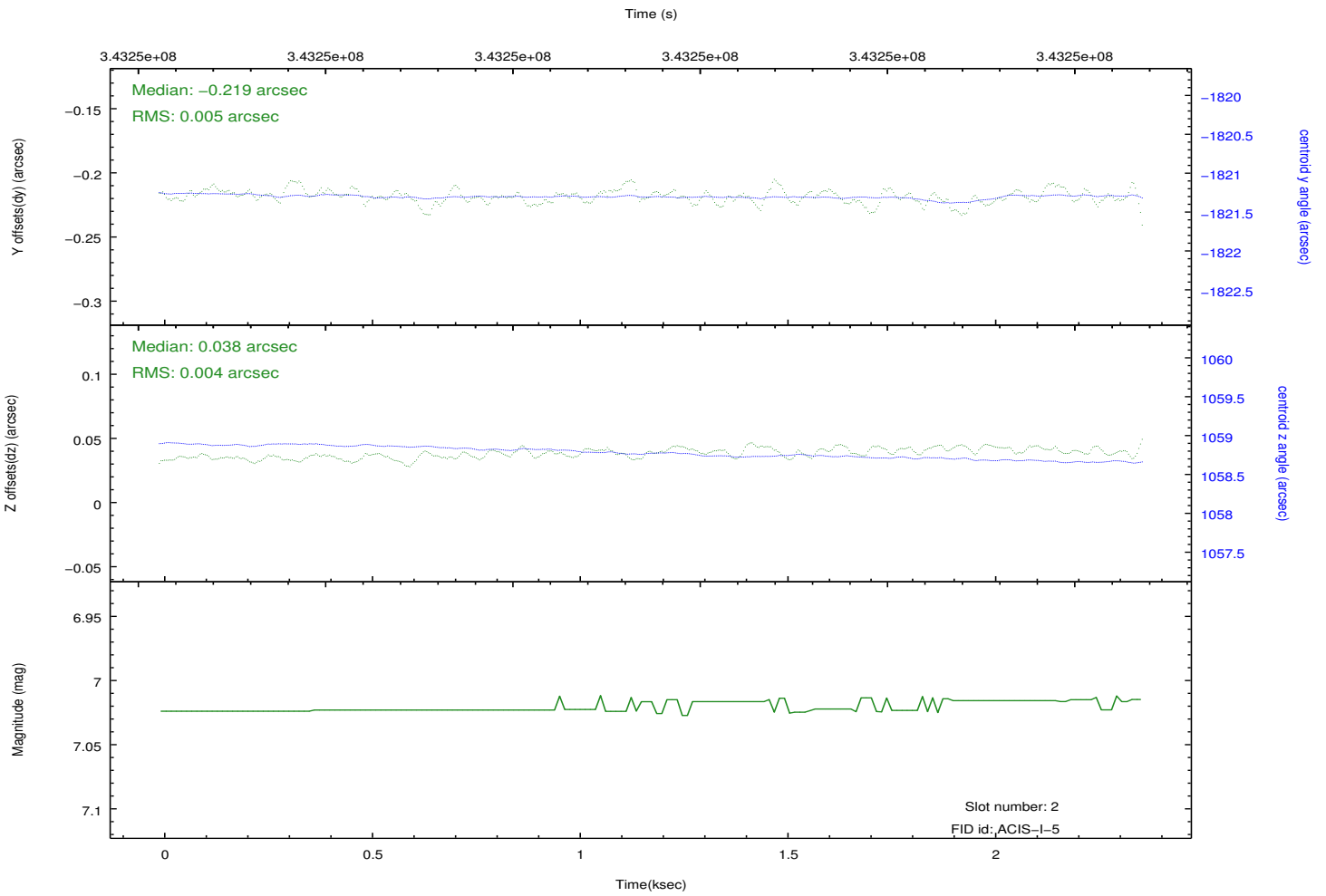
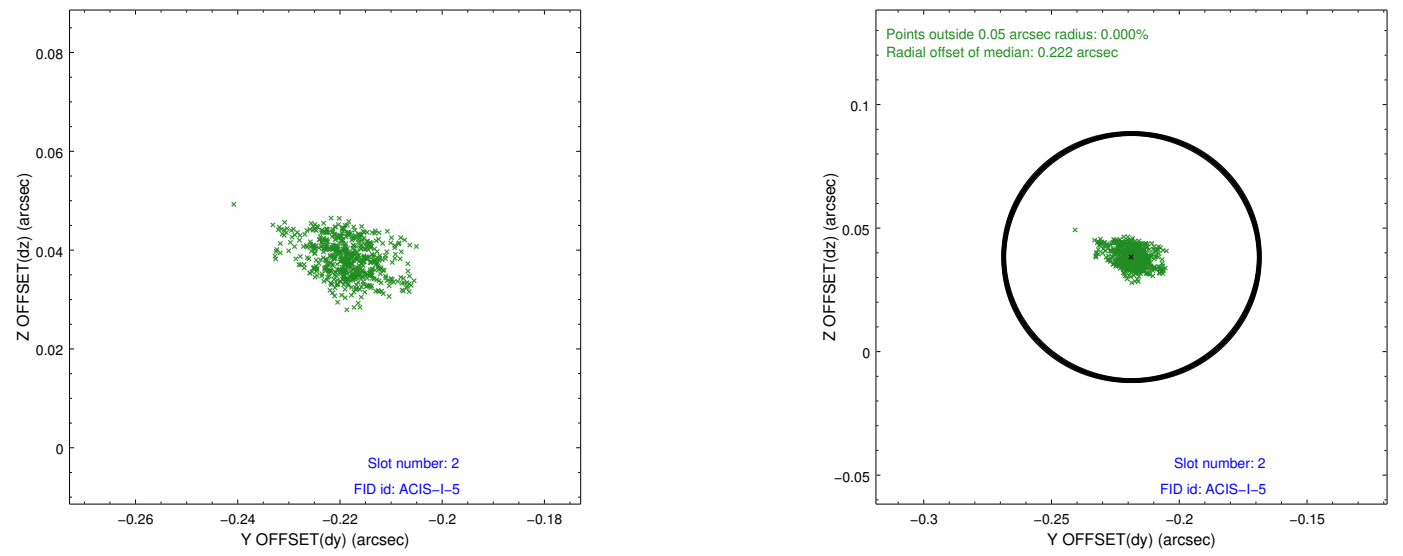
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.97155903

### A.2 Comments