

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 7387 - L2 Version 2  
Chandra X-Ray Center

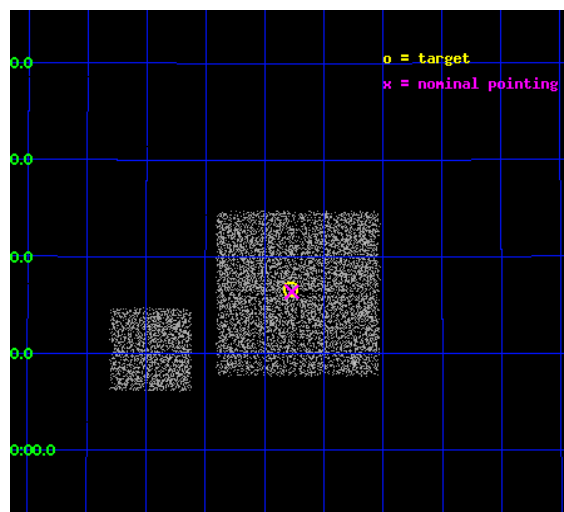
L2 Processing Date : Apr 7 2012

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# 1 Front

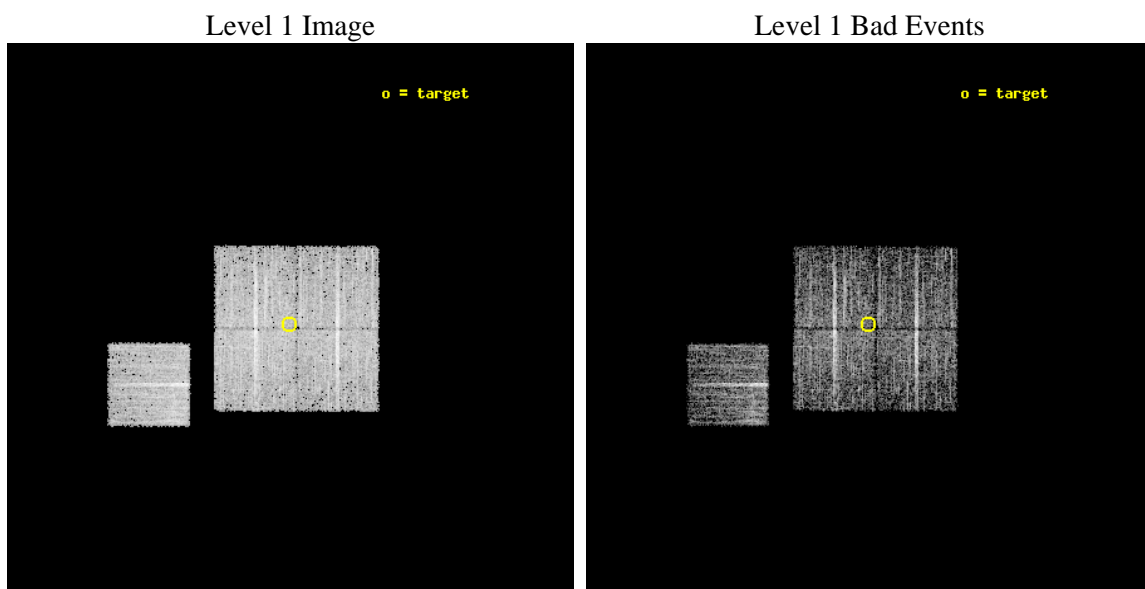
seq_num	900484	Sequence number
obs_id	7387	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr Stephen Murray	Principal investigator
object	Bootes2 30	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.94461	Observer's specified target RA [deg]
dec_targ	34.277532	Observer's specified target Dec [deg]
ra_nom	216.94243565585	Nominal RA [deg]
dec_nom	34.273223264609	Nominal Dec [deg]
roll_nom	270.20989235714	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4479.0006369352	Sum of GTIs [s]
livetime	4420.4791962214	Livetime [s]
ontime0	4478.8775169253	Sum of GTIs [s]
ontime1	4475.7775866389	Sum of GTIs [s]
ontime2	4478.9596167803	Sum of GTIs [s]
ontime3	4479.0006369352	Sum of GTIs [s]
ontime6	4475.6955166459	Sum of GTIs [s]
l2events	12109	Number of level 2 events



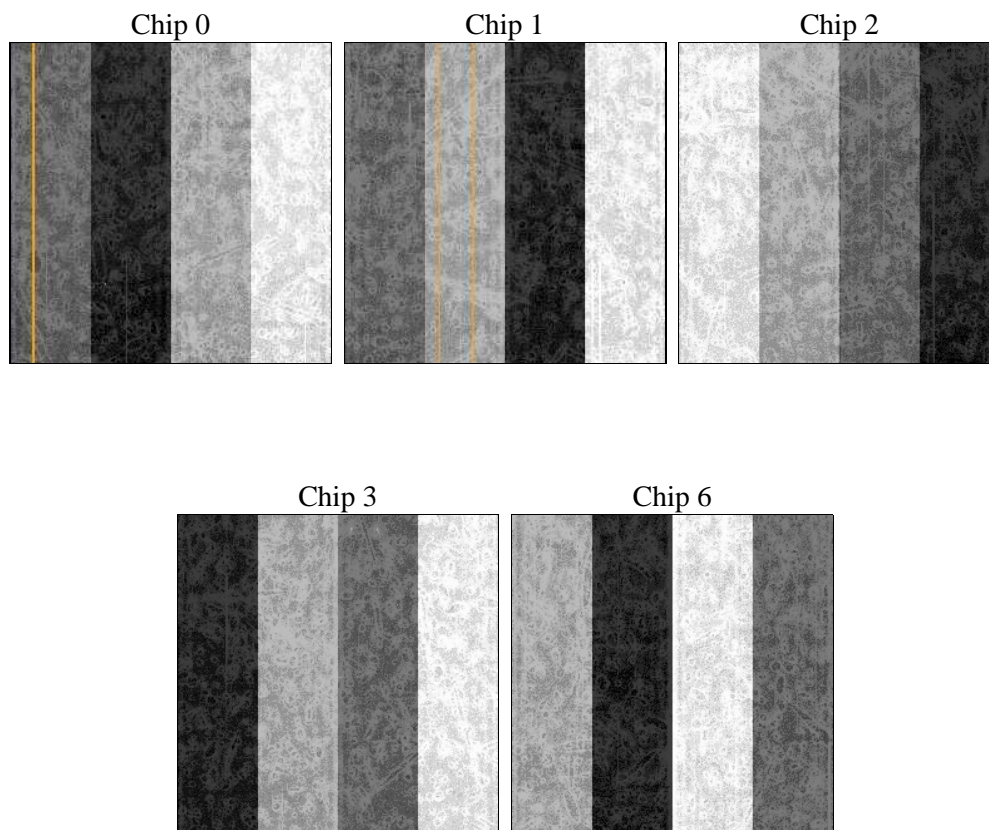
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4479.0006369352	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	4478.8775169253	Sum of GTIs [s]
date	2012-04-07T12:57:28	Date and time of file creation	ontime1	4475.7775866389	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4478.9596167803	Sum of GTIs [s]
			ontime3	4479.0006369352	Sum of GTIs [s]
			ontime6	4475.6955166459	Sum of GTIs [s]
			l1events	147859	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	28547	27530	32042	29662	30078
rejected events	25440	24417	29028	26867	27209
rejected %	89%	88%	90%	90%	90%

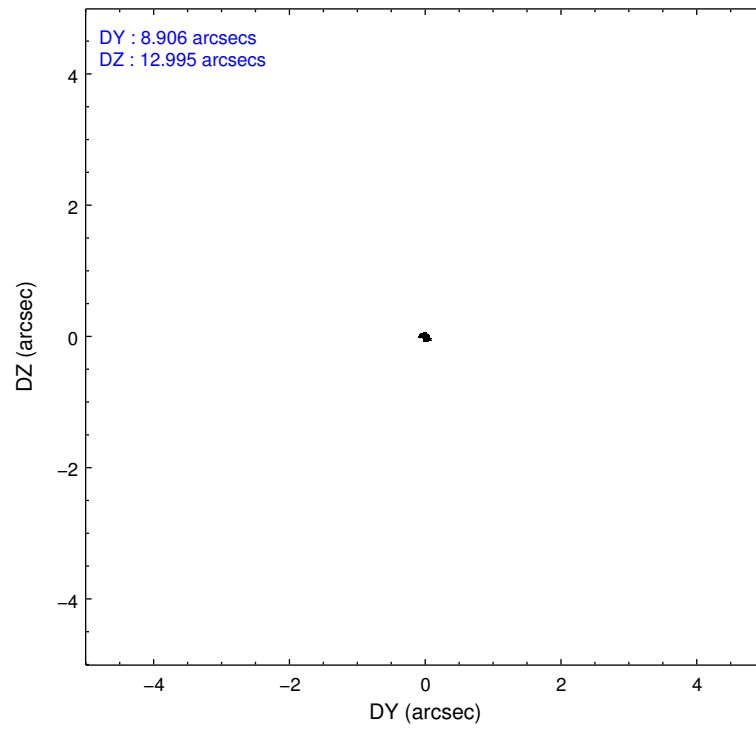
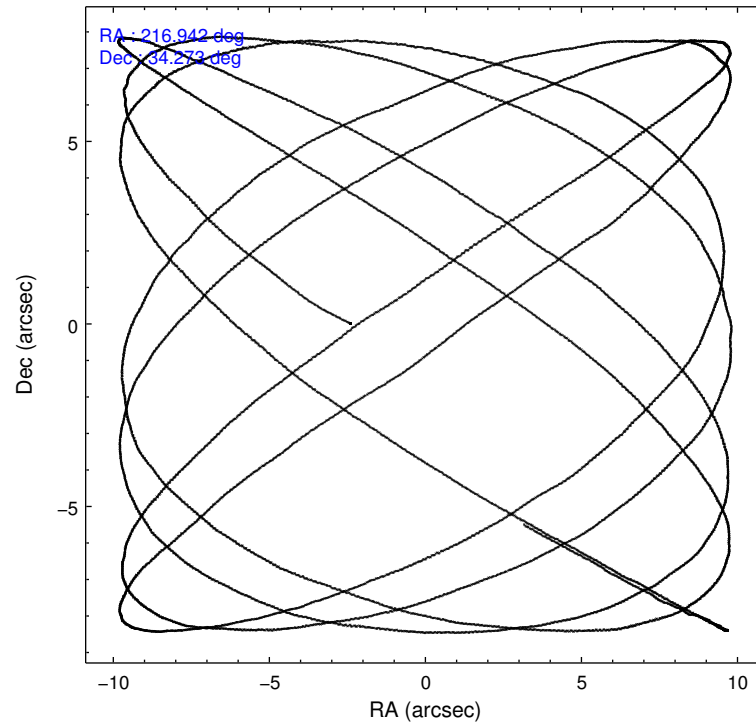
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1160	1096	1138	1056	1013
	4%	3%	3%	3%	3%
grade 1 events	15	12	24	21	11
	0%	0%	0%	0%	0%
grade 2 events	758	676	701	623	613
	2%	2%	2%	2%	2%
grade 3 events	345	370	316	317	322
	1%	1%	0%	1%	1%
grade 4 events	304	364	344	319	332
	1%	1%	1%	1%	1%
grade 5 events	859	991	858	1048	967
	3%	3%	2%	3%	3%
grade 6 events	542	608	519	482	593
	1%	2%	1%	1%	1%
grade 7 events	24564	23413	28142	25796	26227
	86%	85%	87%	86%	87%

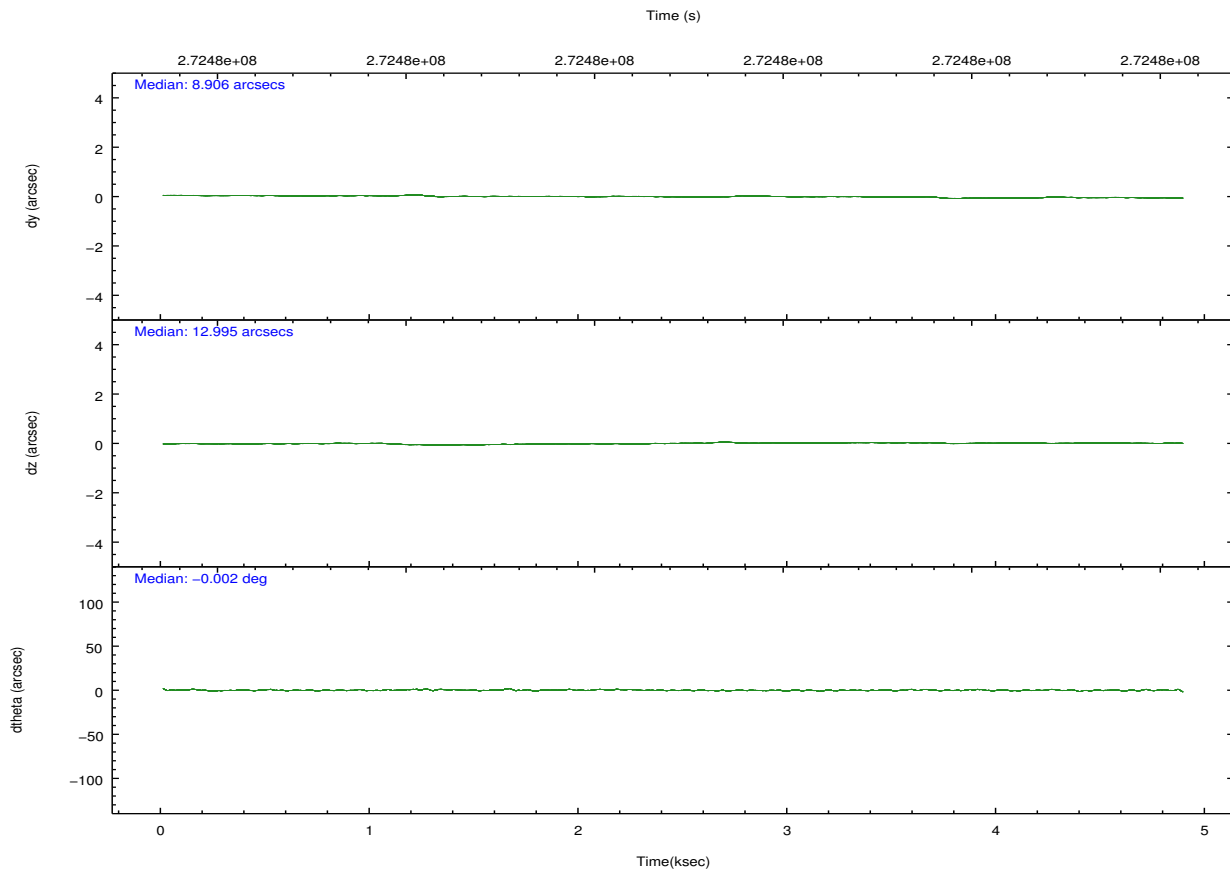
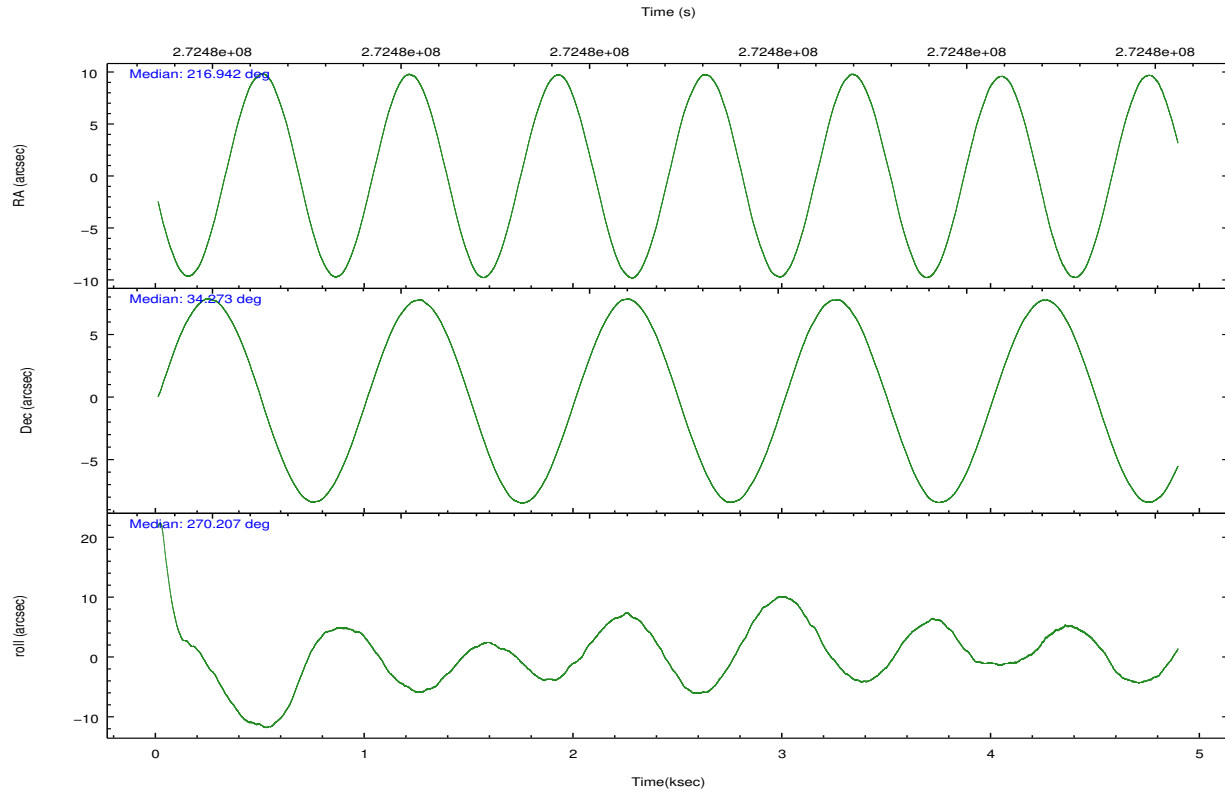


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	216.925640	216.9424356558504	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.296826	34.27322326460887	Alternating exposures requested	N	N
[deg] Pointing Roll	270.010685	270.2098923571439	[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)	272480166.184000	272479790.19939			
Observation start date	2006-08-20T16:55:01	2006-08-20T16:49:50			
[s] Observation end time (MET)	272484866.184000	272485000.27464			
Observation end date	2006-08-20T18:13:21	2006-08-20T18:16:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



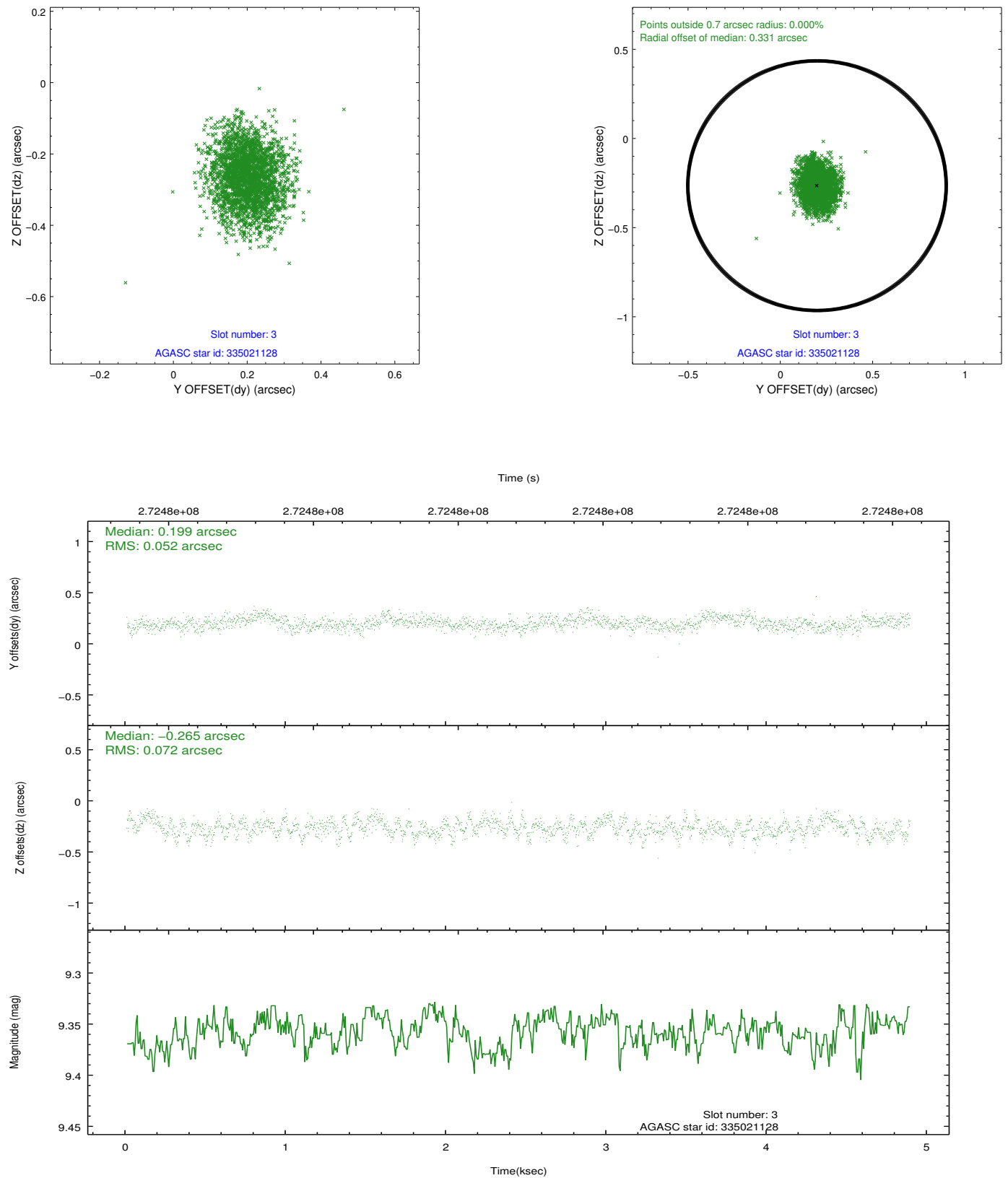


### Slot Statistics

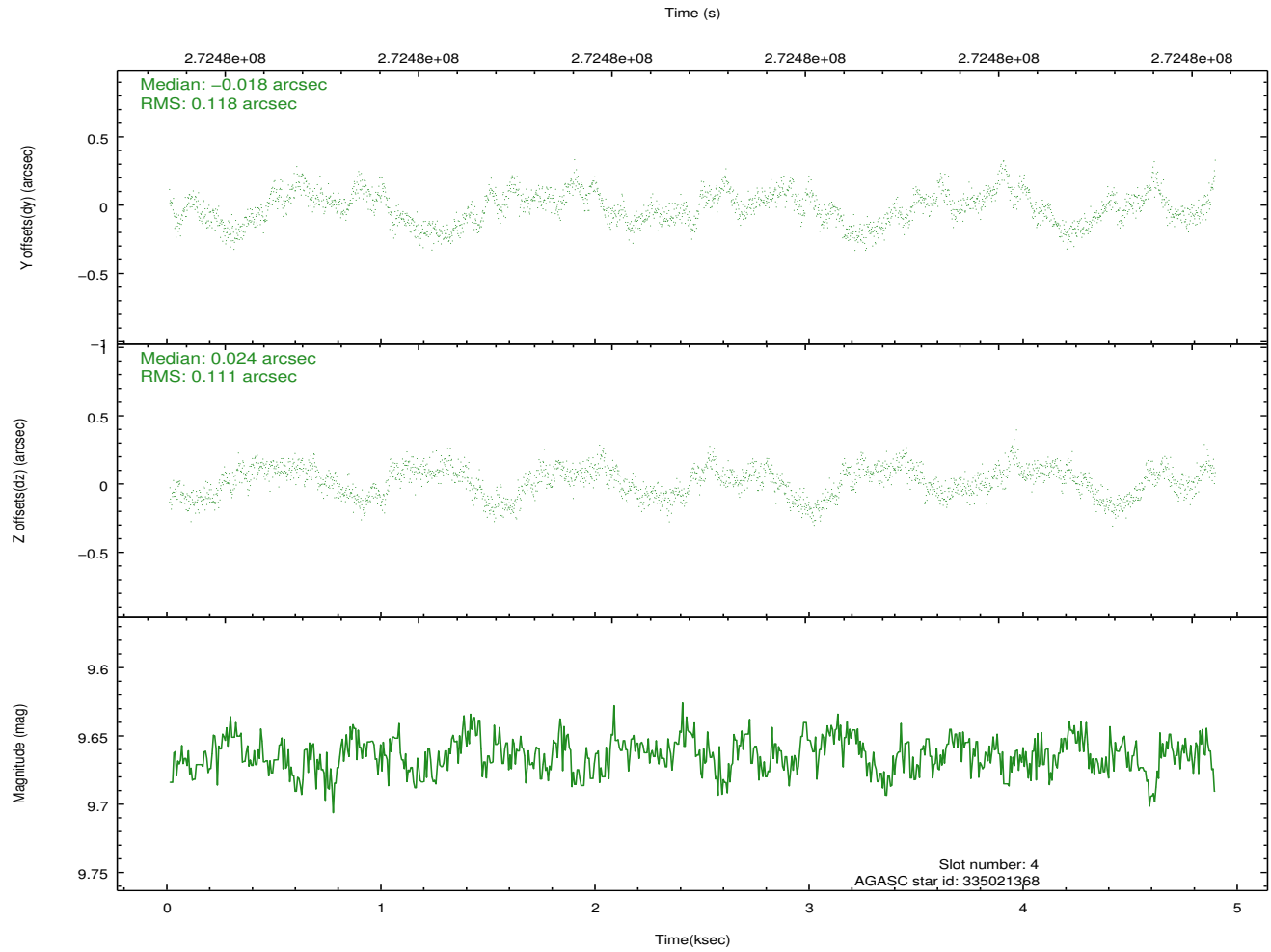
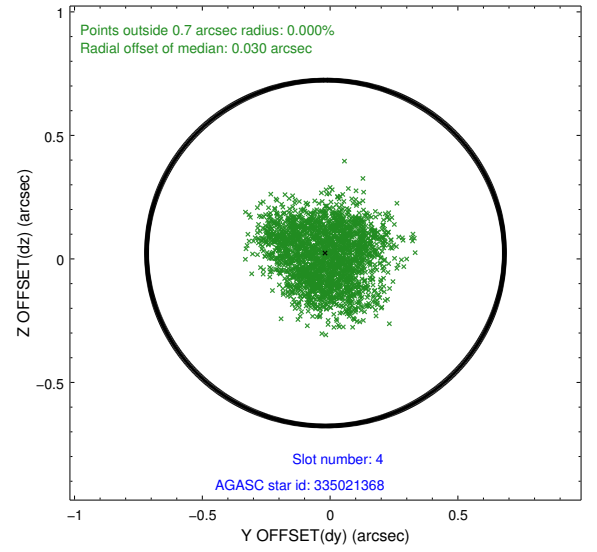
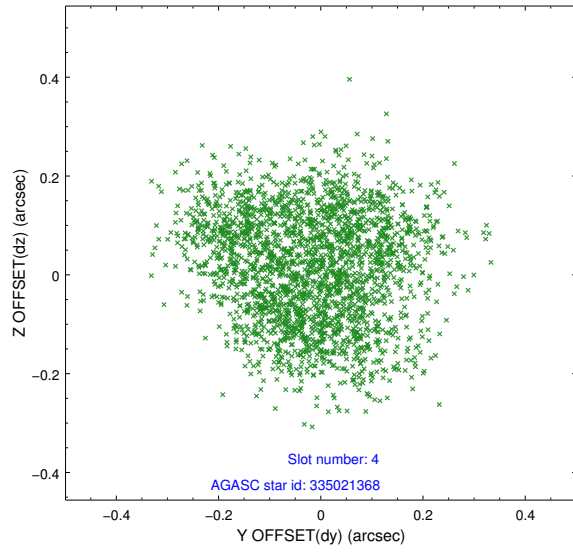
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1192	0.045	-0.011	0.006	0.011	0.000000	0.000000	930.76	-836.56
1	FID	ACIS-I-5	7.23	1192	-0.201	0.053	0.007	0.012	0.000000	0.000000	-1816.88	1060.39
2	FID	ACIS-I-6	7.24	1192	0.064	0.028	0.007	0.012	0.000000	0.000000	394.99	1706.27
3	GUIDE	335021128	9.36	2384	0.199	-0.265	0.095	0.154	216.159551	34.422539	-461.00	-2275.12
4	GUIDE	335021368	9.66	2380	-0.018	0.024	0.176	0.264	217.529643	33.934817	1298.25	1803.02
5	GUIDE	335028696	9.19	2383	0.105	-0.179	0.084	0.137	217.260519	33.844112	1629.22	1001.72
6	GUIDE	335030384	8.84	2384	-0.023	0.268	0.077	0.123	216.806407	34.722197	-1530.65	-351.86
7	GUIDE	335023248	8.94	2379	-0.264	0.165	0.108	0.171	217.634832	34.944512	-2339.43	2093.31

## 2.4 Star Slots

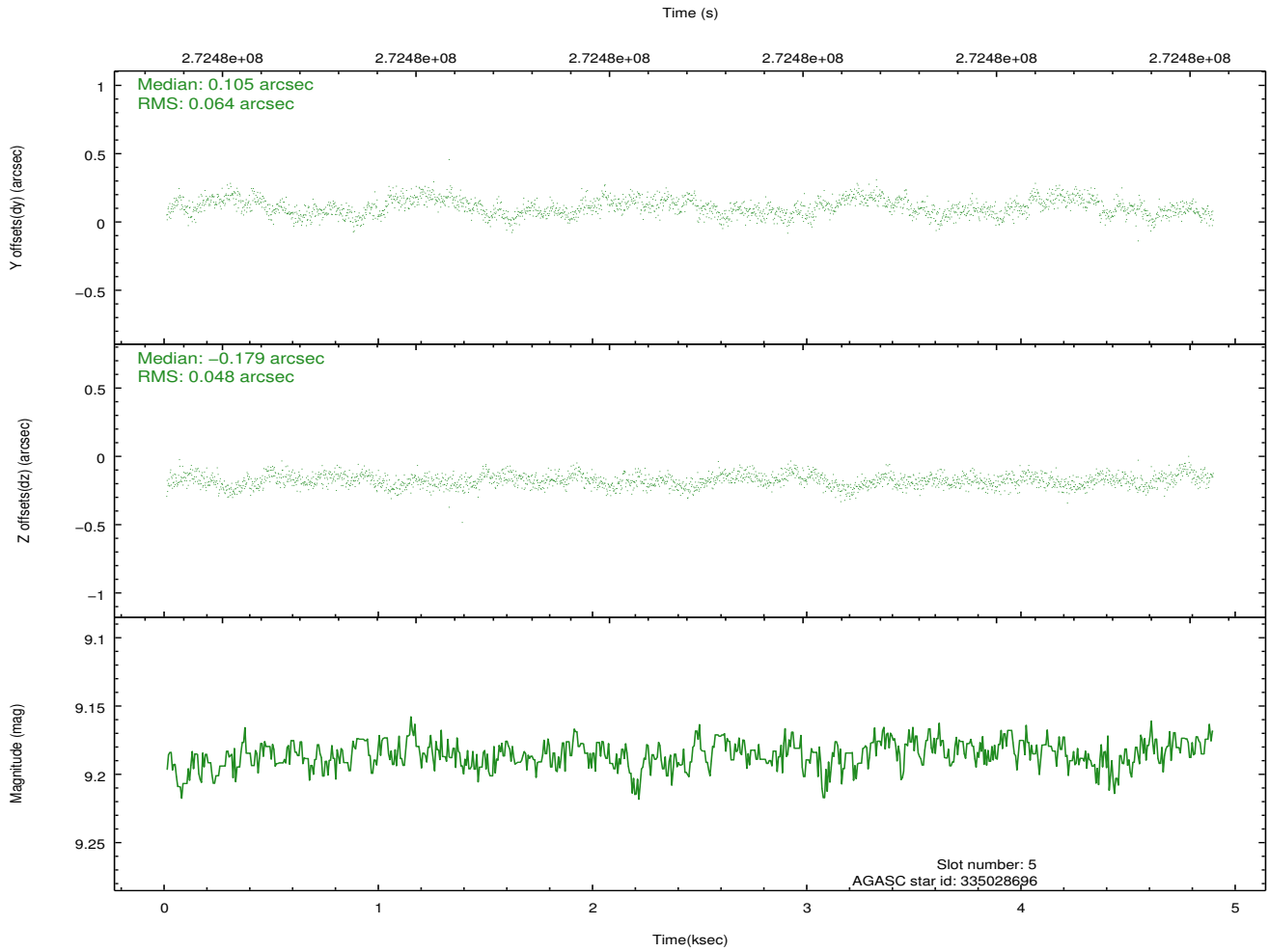
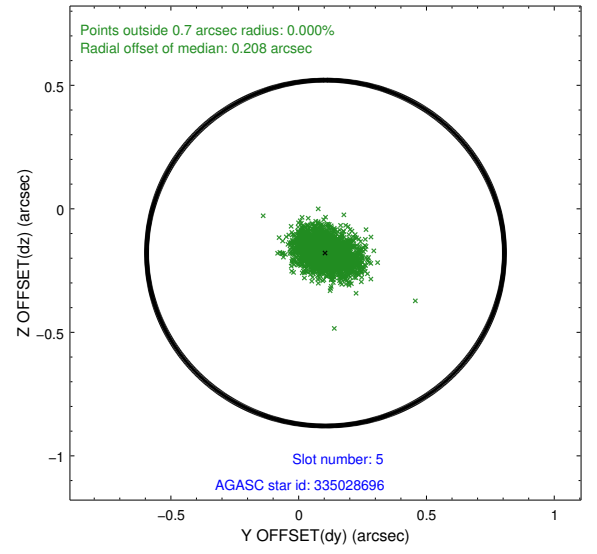
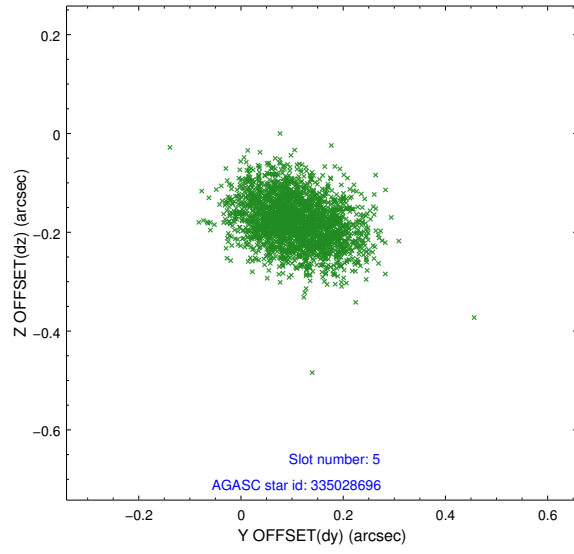
### 2.4.1 Slot 3



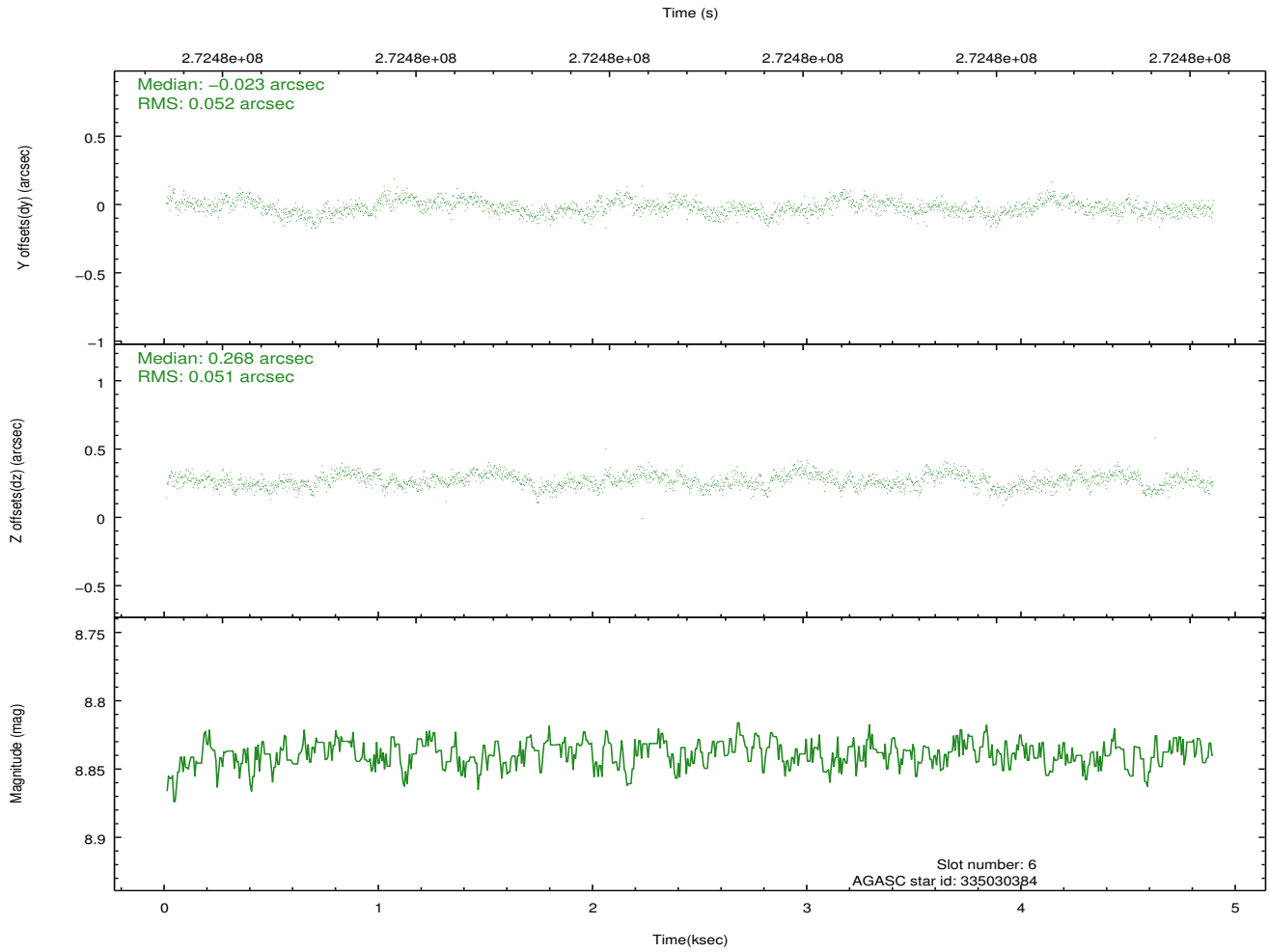
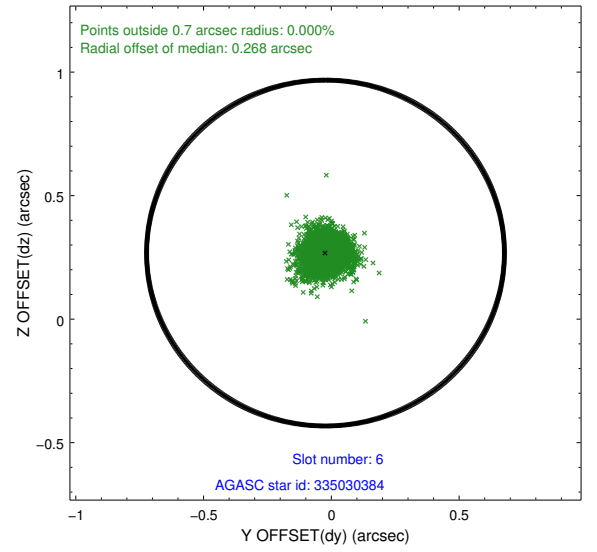
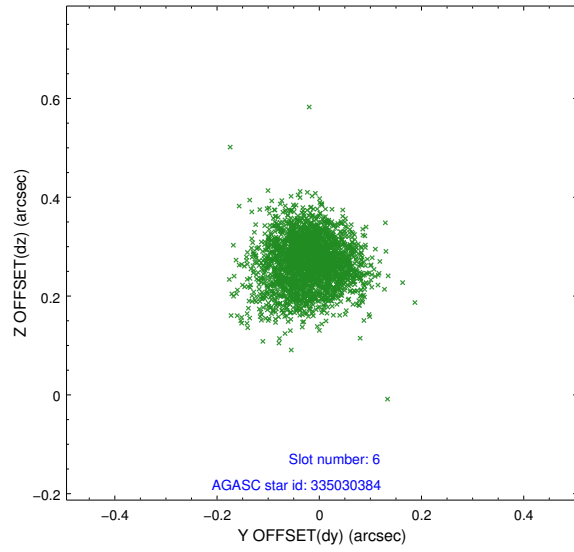
## 2.4.2 Slot 4



### 2.4.3 Slot 5

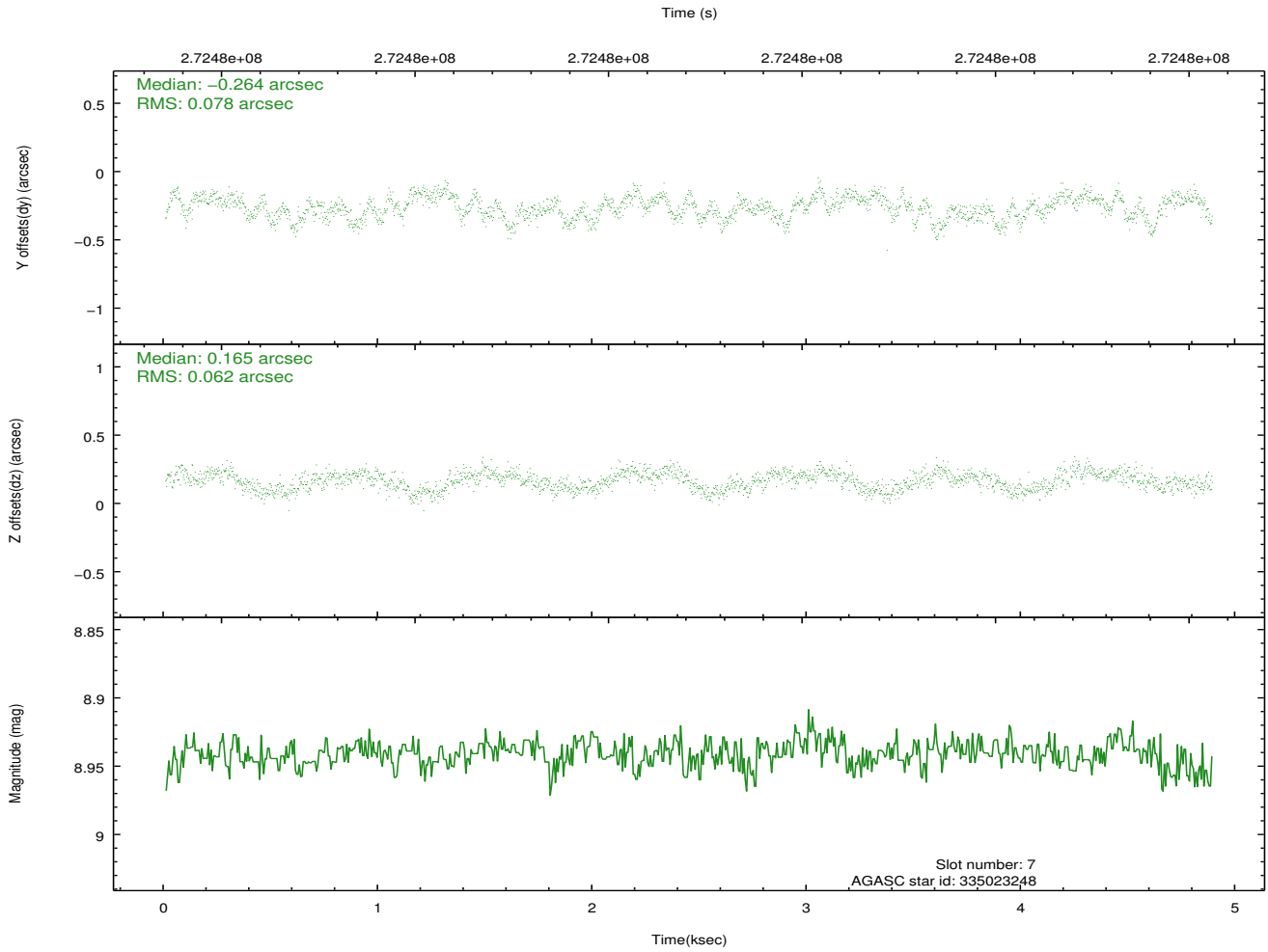
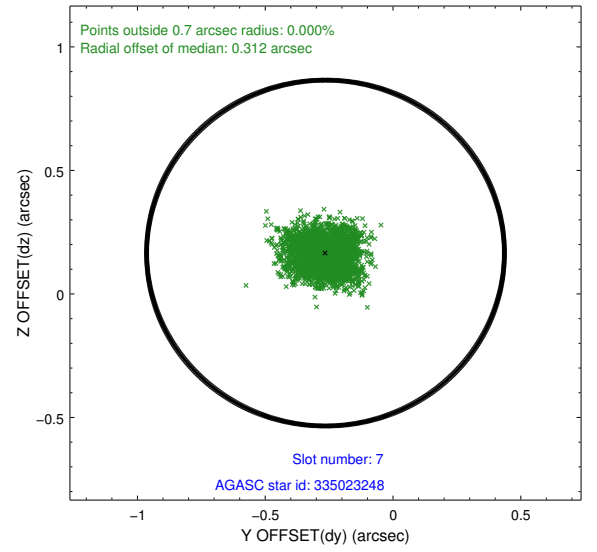
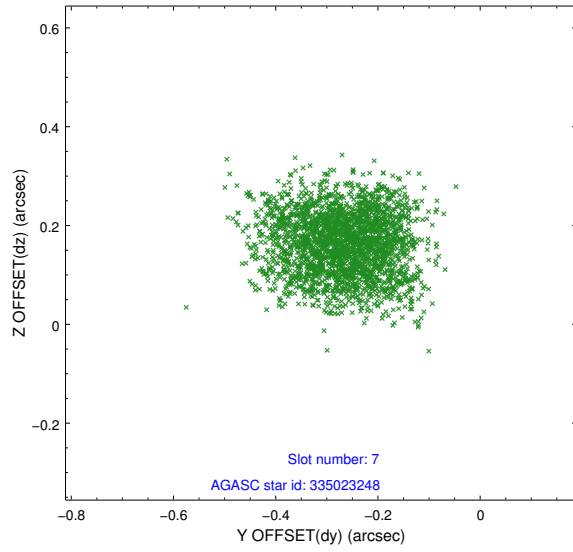


## 2.4.4 Slot 6



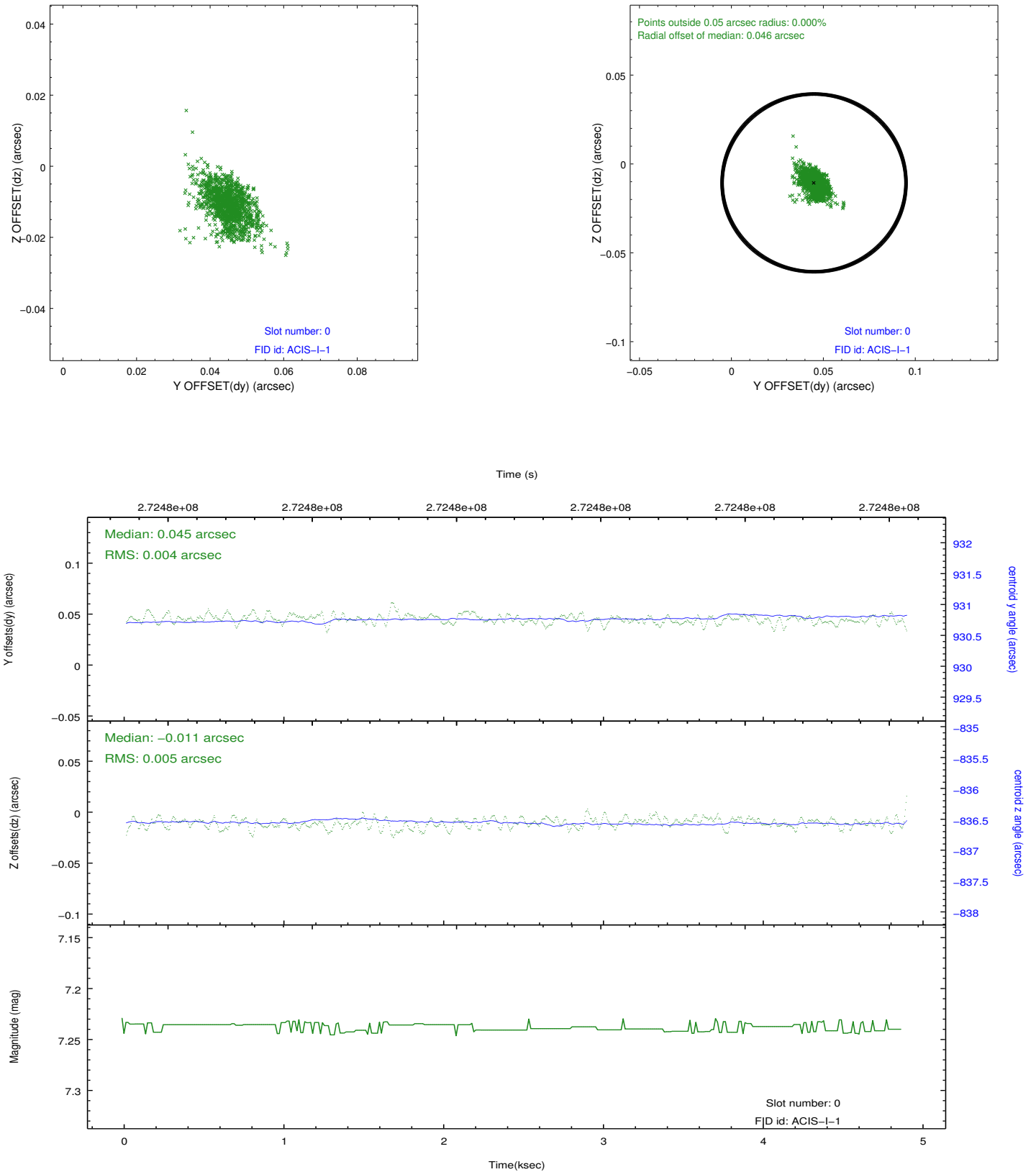


### 2.4.5 Slot 7

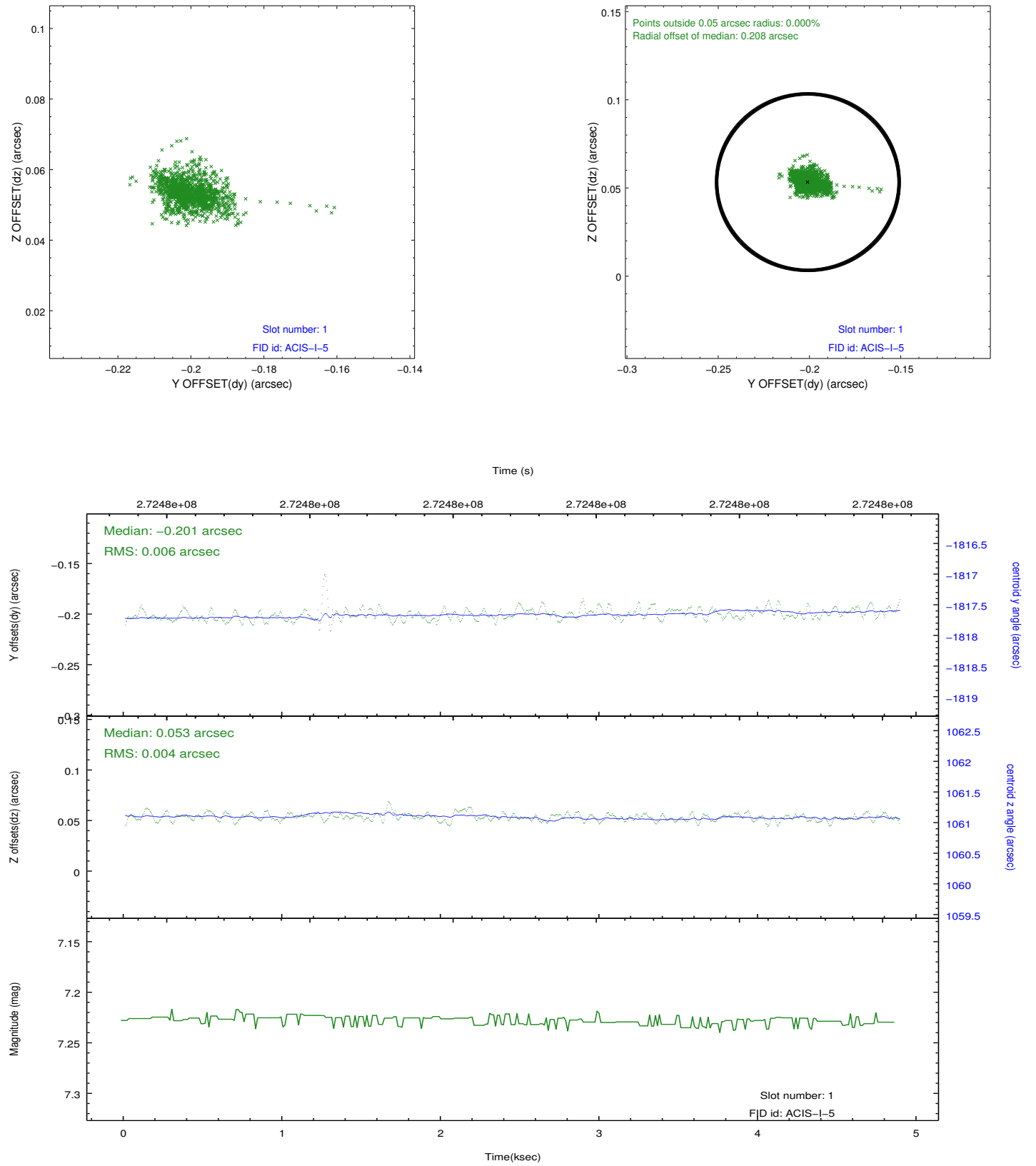


## 2.5 FID Slots

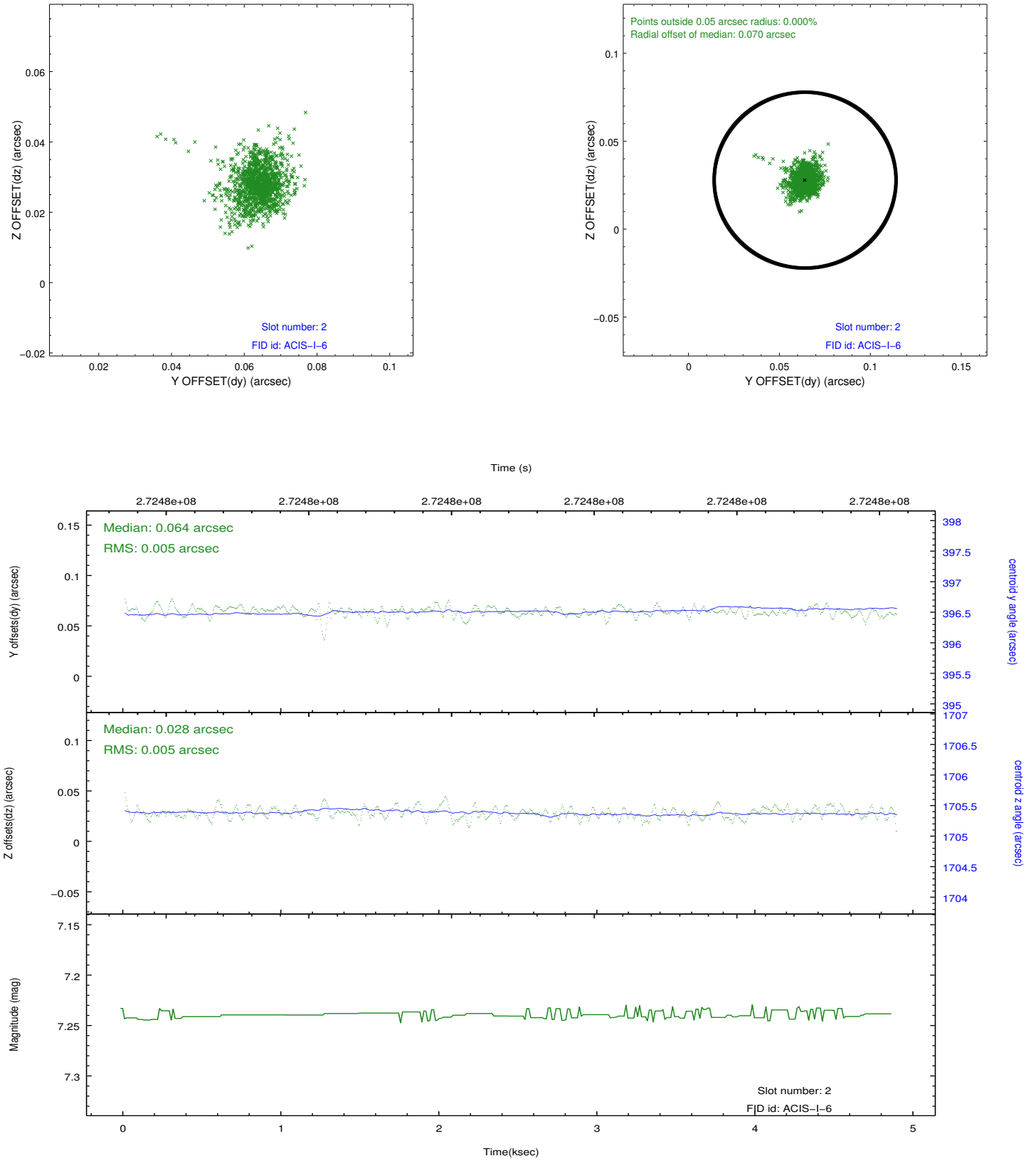
### 2.5.1 Slot 0



## 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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.47950003

### A.2 Comments