

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4245 - L2 Version 3  
Chandra X-Ray Center

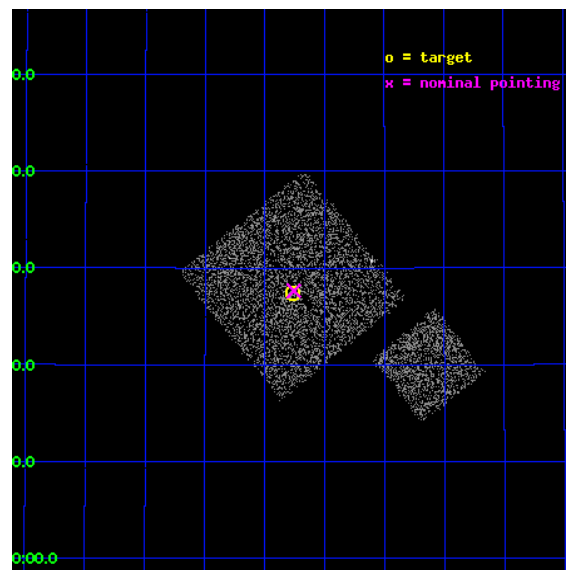
L2 Processing Date : Oct 25 2012

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# 1 Front

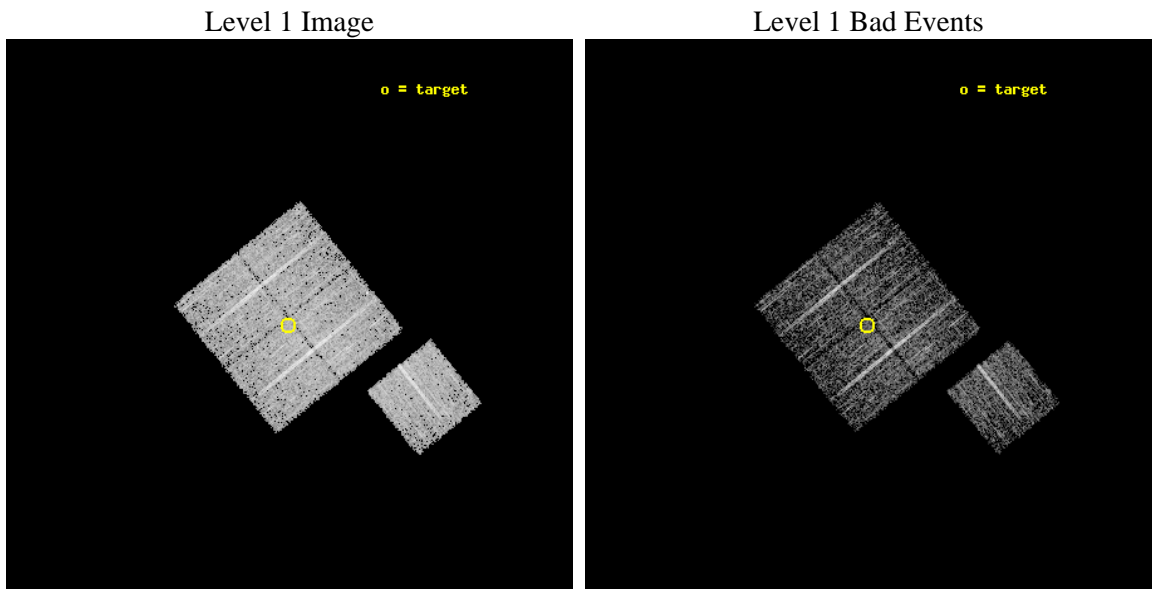
seq_num	900288	Sequence number
obs_id	4245	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SD28	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.816997	Observer's specified target RA [deg]
dec_targ	33.456918	Observer's specified target Dec [deg]
ra_nom	217.81435247105	Nominal RA [deg]
dec_nom	33.460949260444	Nominal Dec [deg]
roll_nom	141.01013933746	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.5544809401	Sum of GTIs [s]
livetime	4613.4779852897	Livetime [s]
ontime0	4671.2903806567	Sum of GTIs [s]
ontime1	4674.4724009335	Sum of GTIs [s]
ontime2	4668.2314804792	Sum of GTIs [s]
ontime3	4674.5544809401	Sum of GTIs [s]
ontime6	4674.3903209269	Sum of GTIs [s]
l2events	9105	Number of level 2 events



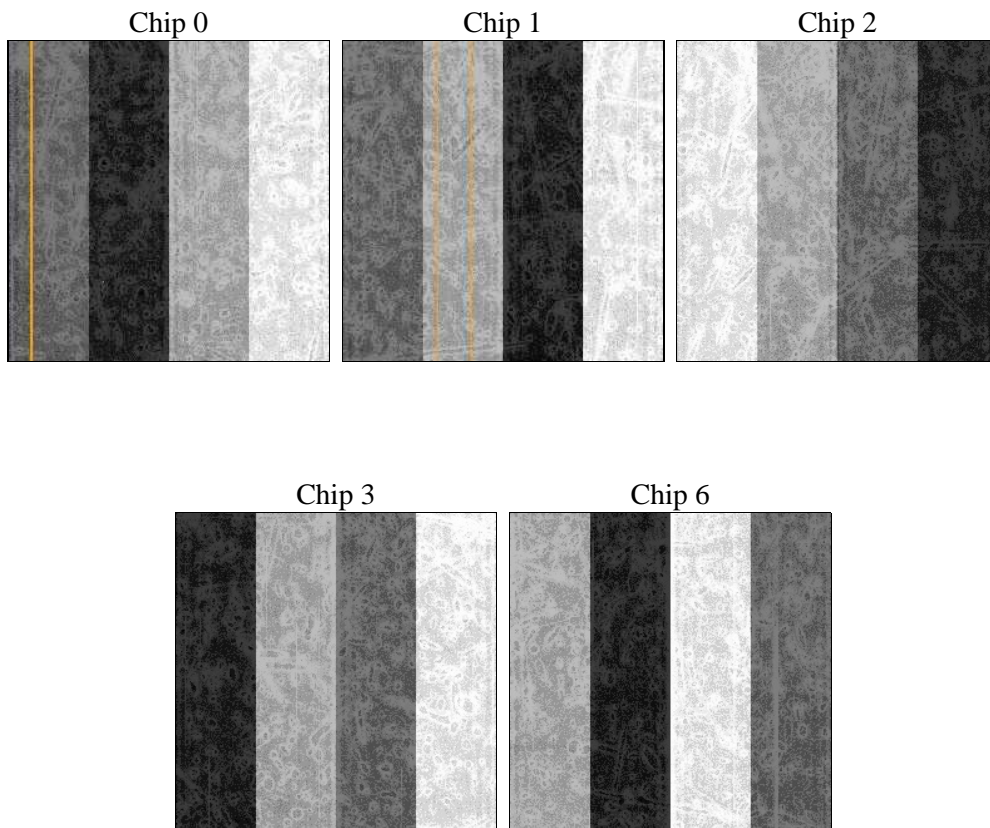
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4674.5544809401	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4671.2903806567	Sum of GTIs [s]
date	2012-10-25T15:29:05	Date and time of file creation	ontime1	4674.4724009335	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4668.2314804792	Sum of GTIs [s]
			ontime3	4674.5544809401	Sum of GTIs [s]
			ontime6	4674.3903209269	Sum of GTIs [s]
			l1events	113544	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21077	21494	24324	22871	23778
rejected events	18863	19209	21970	20830	21468
rejected %	89%	89%	90%	91%	90%

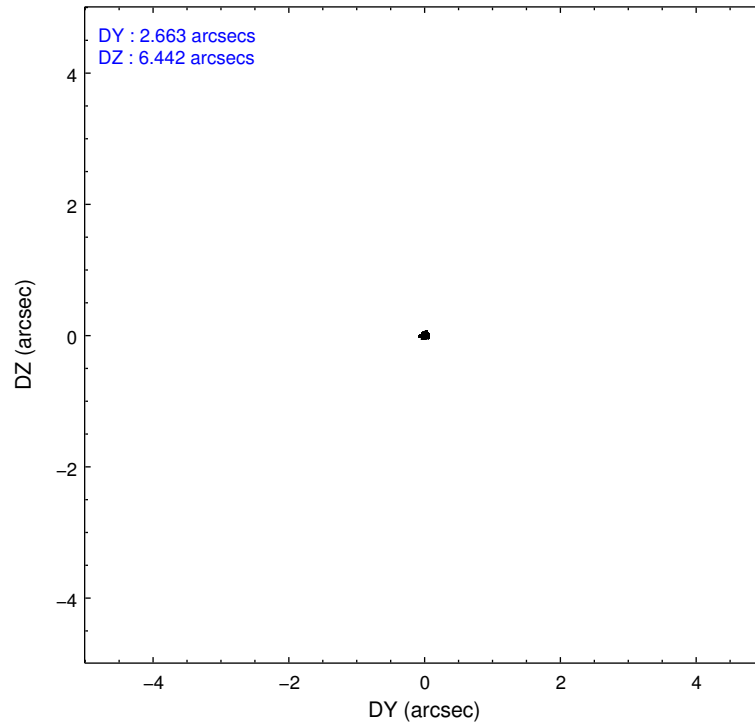
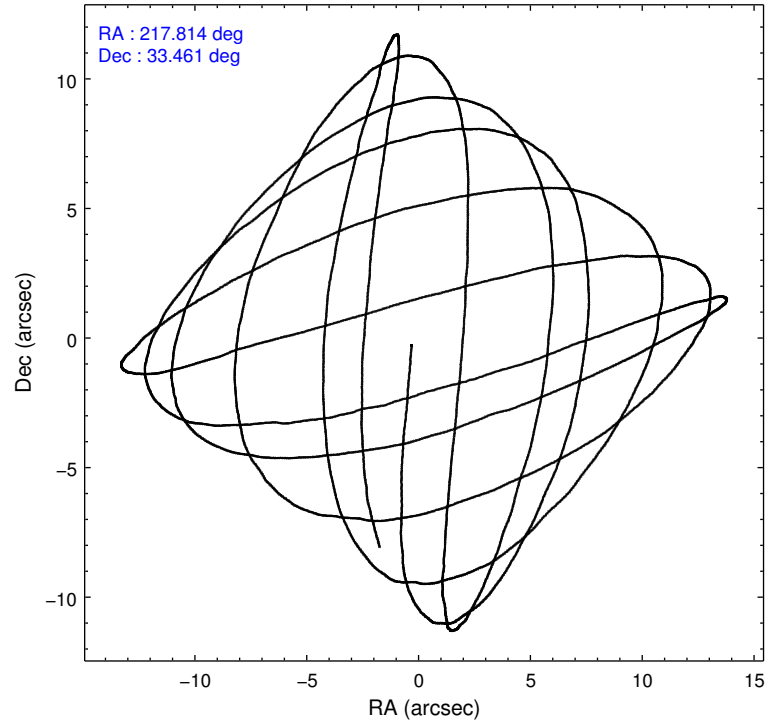
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	775	758	924	755	851
	3%	3%	3%	3%	3%
grade 1 events	11	10	12	11	15
	0%	0%	0%	0%	0%
grade 2 events	537	501	523	430	467
	2%	2%	2%	1%	1%
grade 3 events	247	275	256	259	276
	1%	1%	1%	1%	1%
grade 4 events	240	290	277	237	275
	1%	1%	1%	1%	1%
grade 5 events	696	682	630	773	766
	3%	3%	2%	3%	3%
grade 6 events	416	463	378	362	443
	1%	2%	1%	1%	1%
grade 7 events	18155	18515	21324	20044	20685
	86%	86%	87%	87%	86%

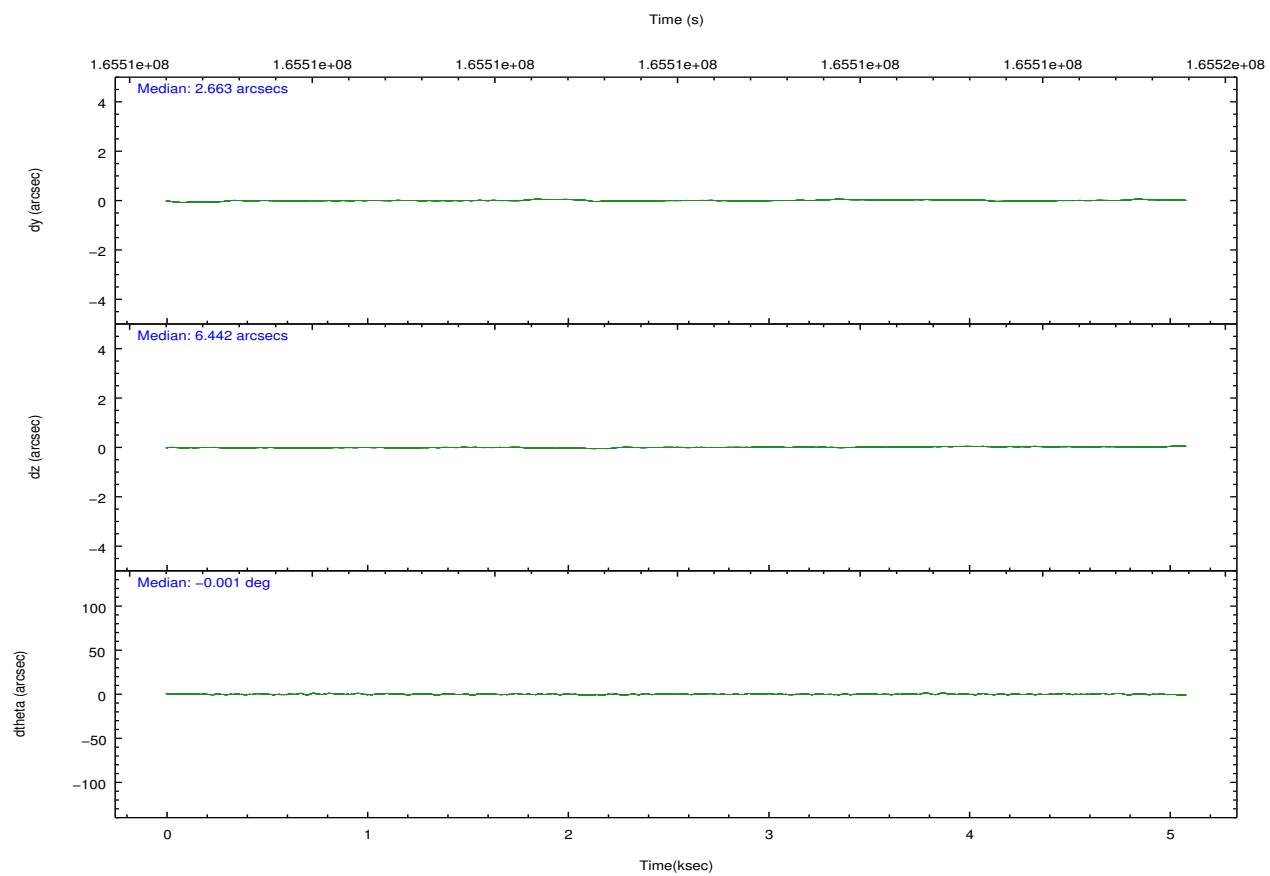
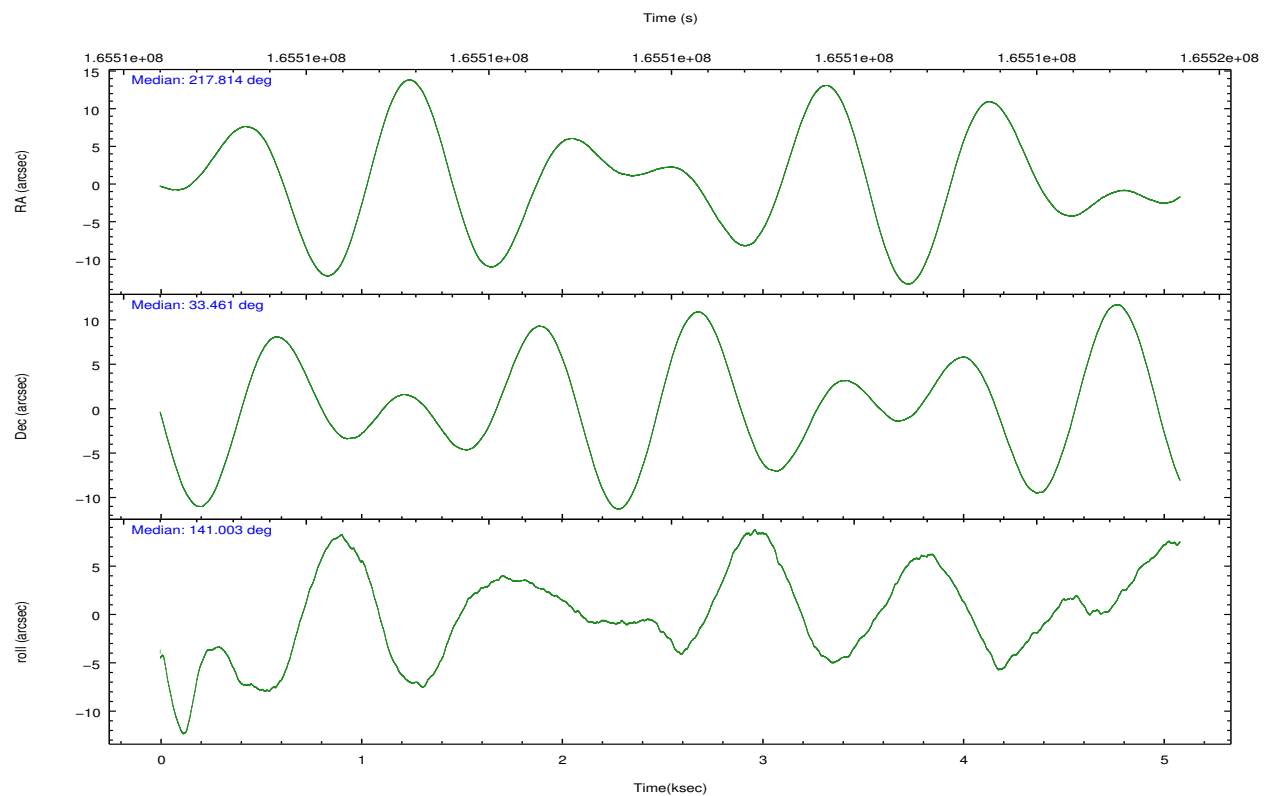


## 2.2 Compared Parameters

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	217.846827	217.8143524710517	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.456840	33.46094926044406	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783552	141.0101393374575	[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)	165509634.184000	165509258.15494			
Observation start date	2003-03-31T14:52:50	2003-03-31T14:47:38			
[s] Observation end time (MET)	165514534.184000	165514668.10517			
Observation end date	2003-03-31T16:14:30	2003-03-31T16:17:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect



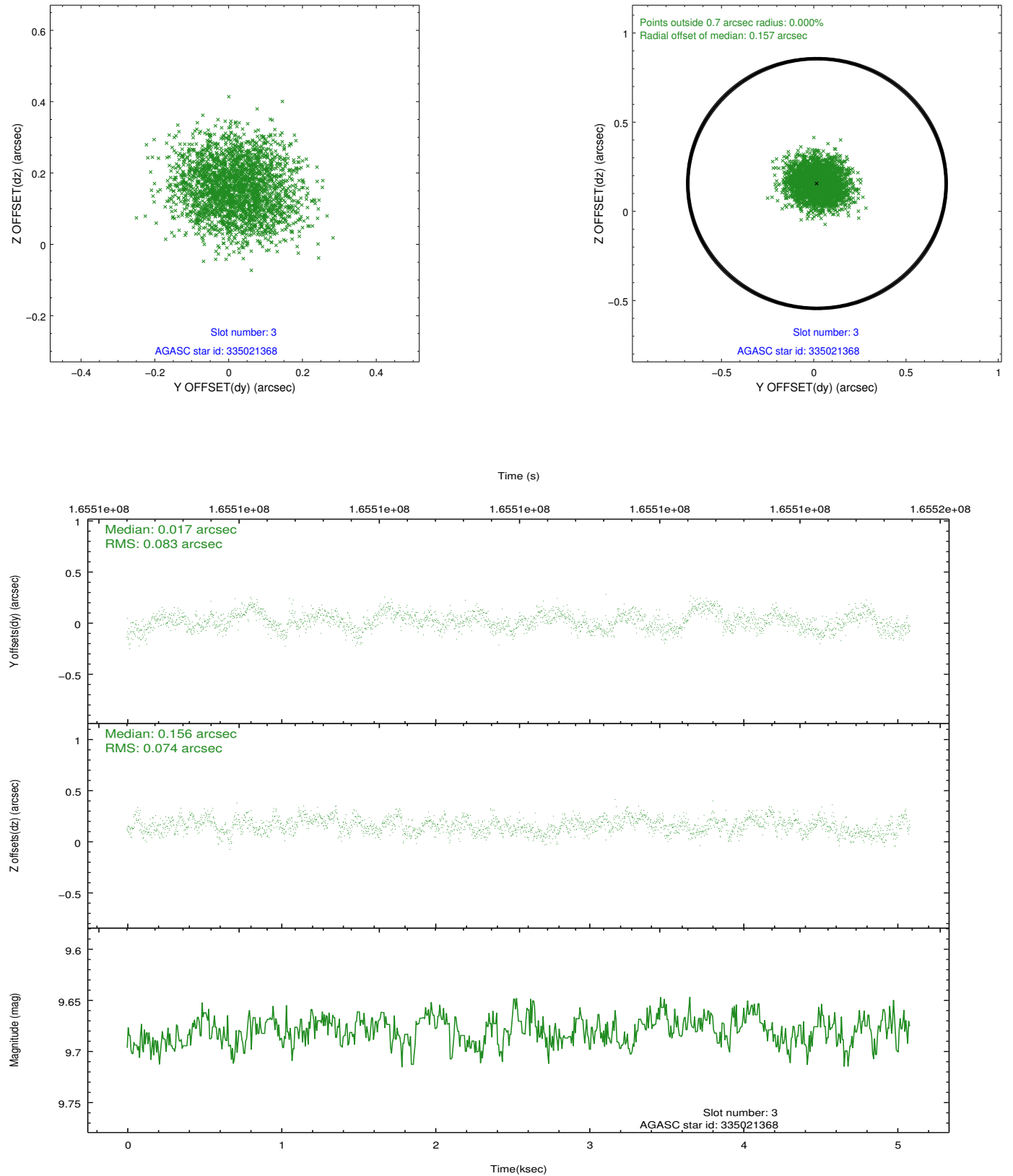


### Slot Statistics

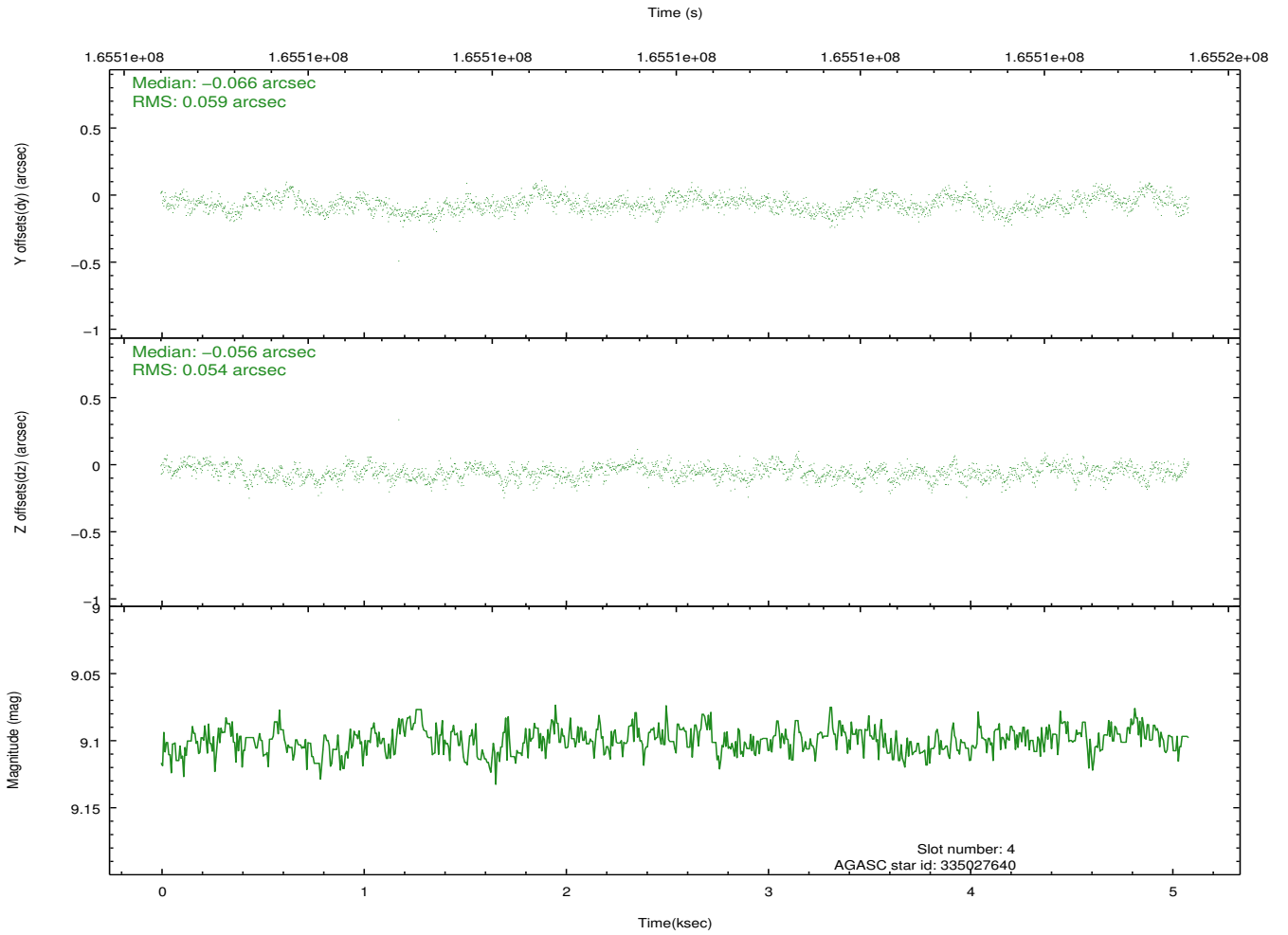
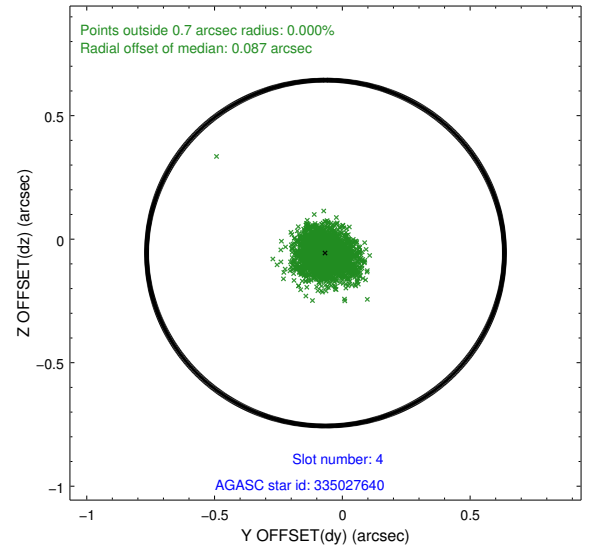
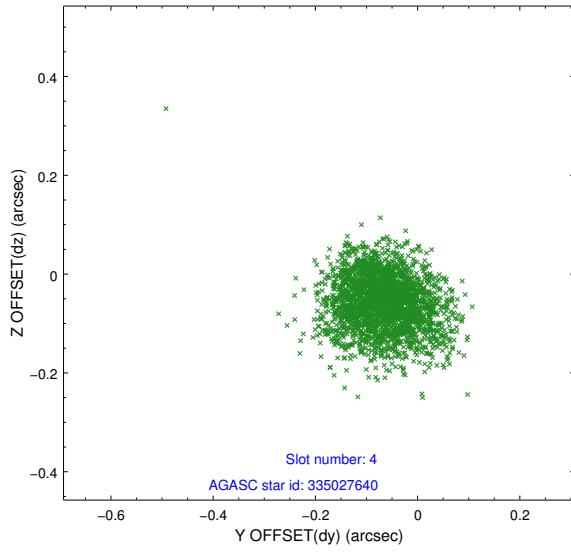
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.26	1239	0.011	-0.008	0.006	0.011	0.000000	0.000000	937.13	-829.84
1	FID	ACIS-I-5	7.24	1240	-0.081	0.050	0.006	0.010	0.000000	0.000000	-1810.37	1067.15
2	FID	ACIS-I-6	7.26	1240	-0.022	0.028	0.006	0.010	0.000000	0.000000	401.39	1712.95
3	GUIDE	335021368	9.68	2481	0.017	0.156	0.120	0.185	217.529643	33.934817	1823.18	-735.01
4	GUIDE	335027640	9.10	2481	-0.066	-0.056	0.083	0.134	218.092211	33.193770	-1170.11	265.10
5	GUIDE	335028696	9.23	2479	-0.022	-0.009	0.087	0.148	217.260519	33.844112	2242.53	24.68
6	GUIDE	335029384	8.50	2481	-0.078	-0.030	0.063	0.101	217.848061	33.088477	-840.54	1024.89
7	GUIDE	335028240	9.17	2476	0.145	-0.059	0.086	0.145	216.746851	33.385009	2409.31	2278.03

## 2.4 Star Slots

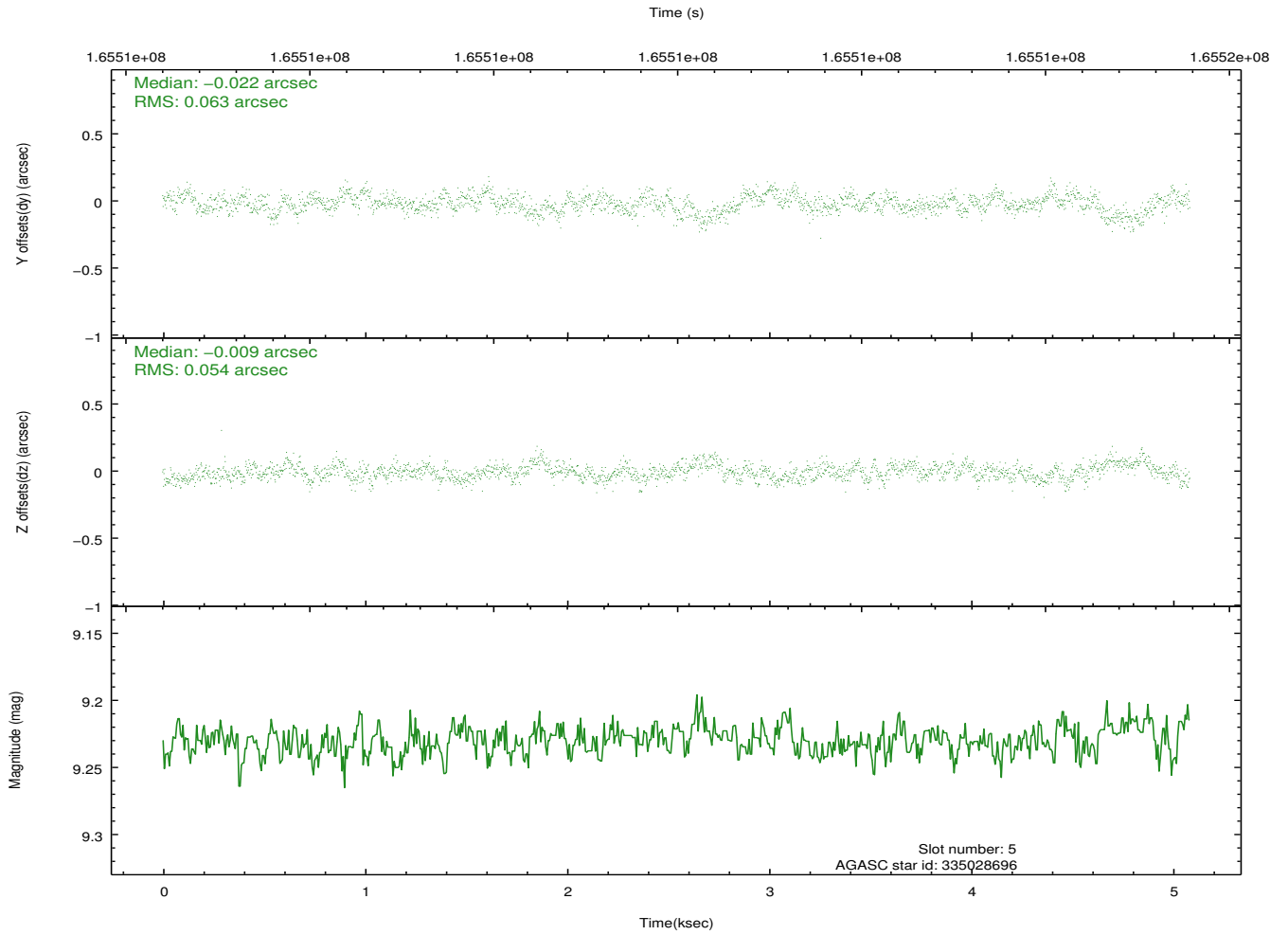
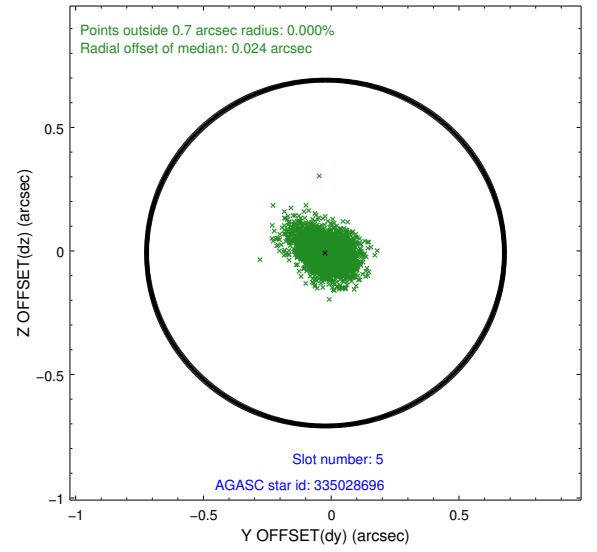
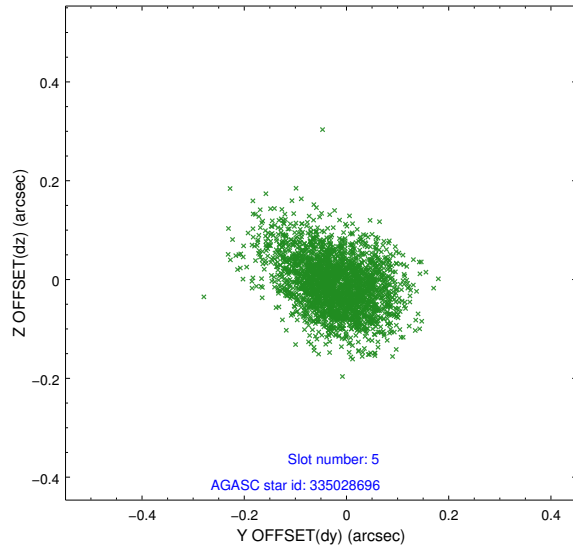
### 2.4.1 Slot 3



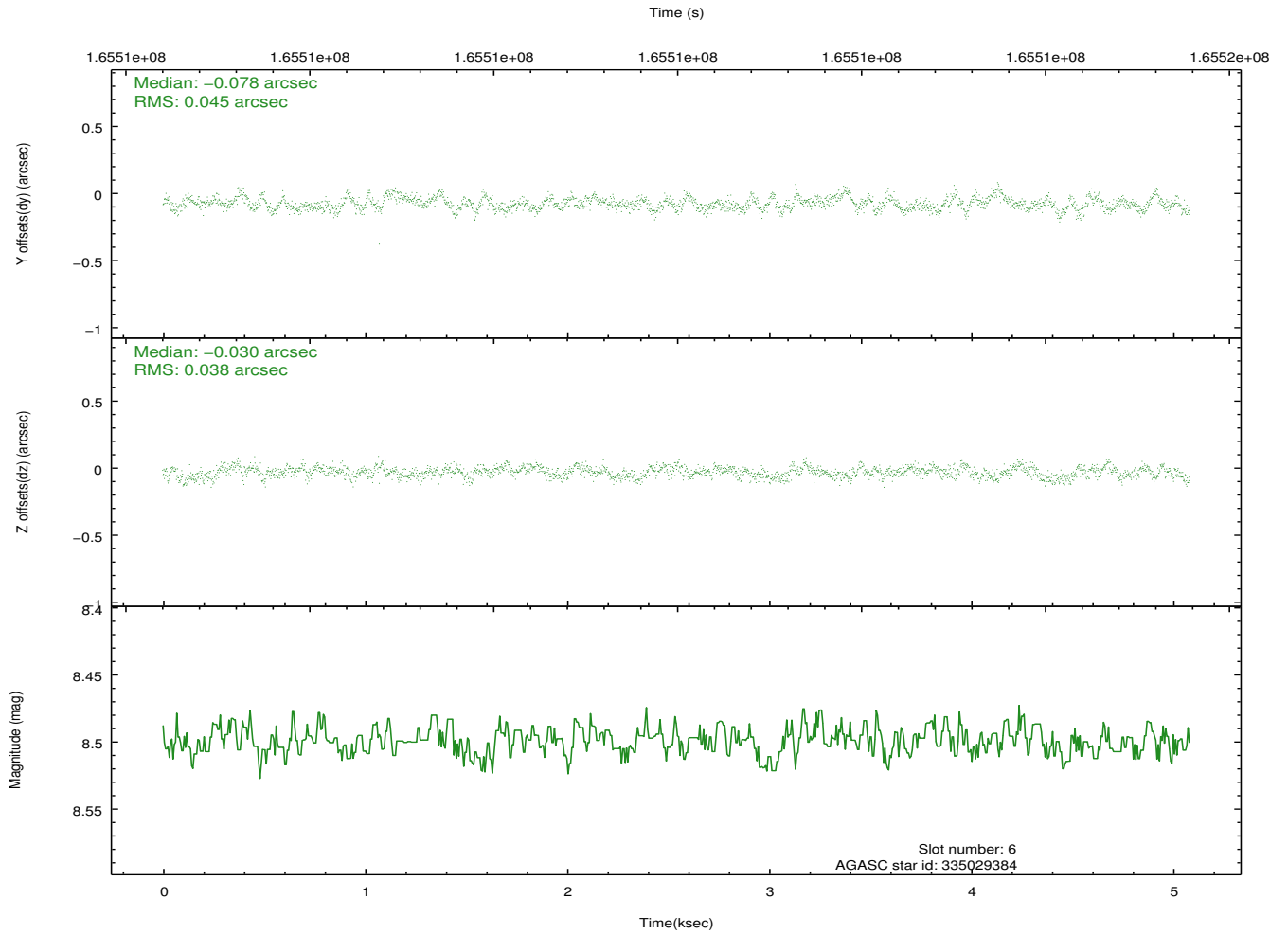
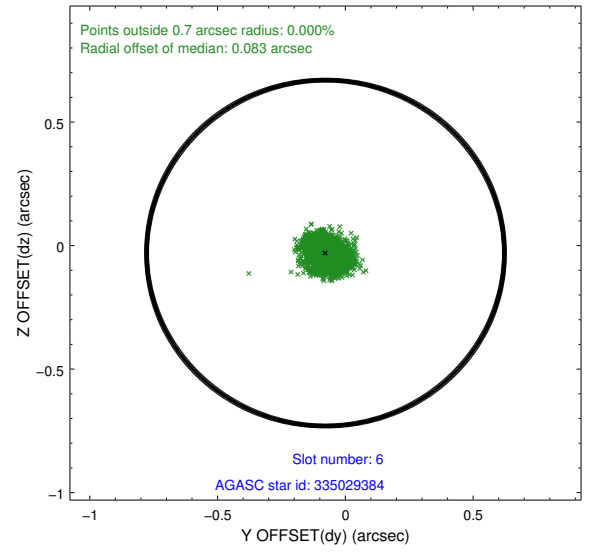
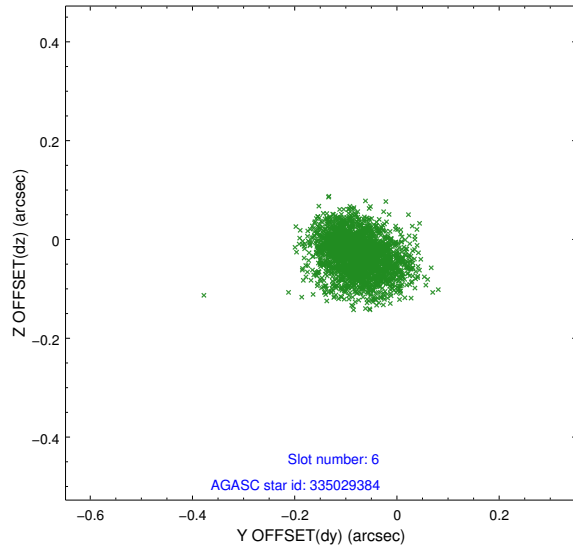
## 2.4.2 Slot 4



### 2.4.3 Slot 5

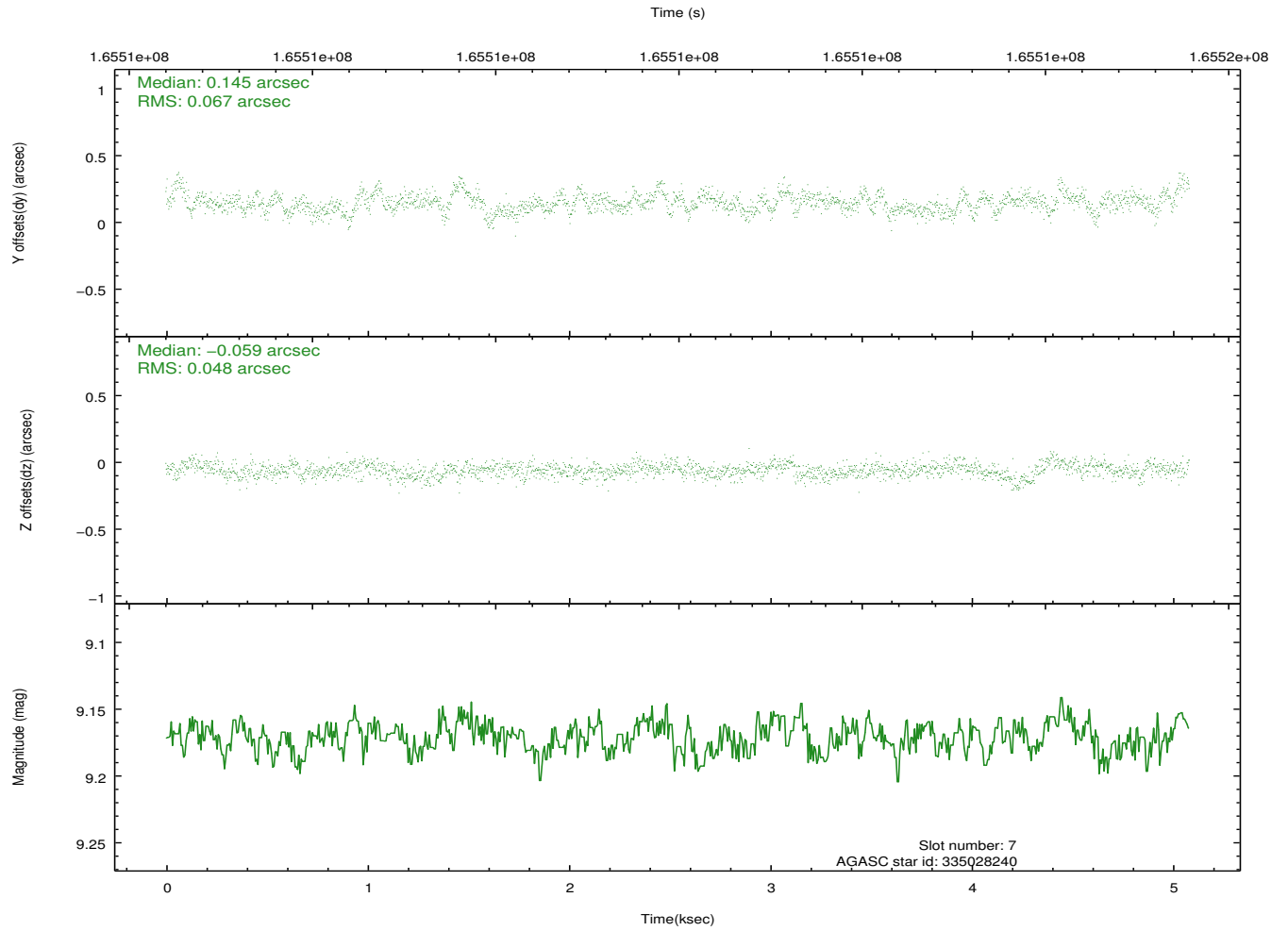
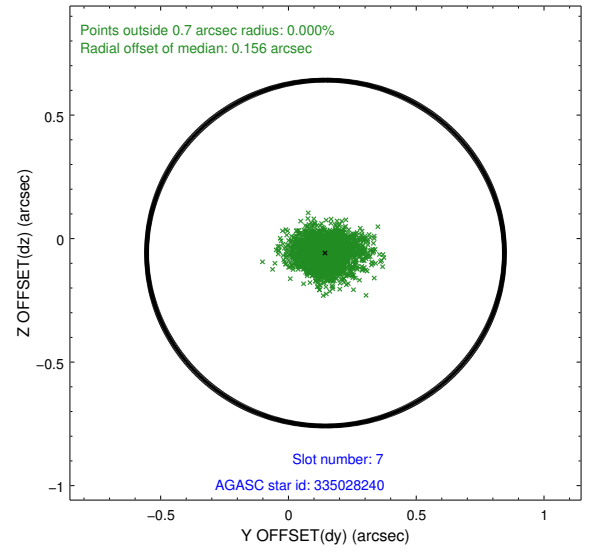
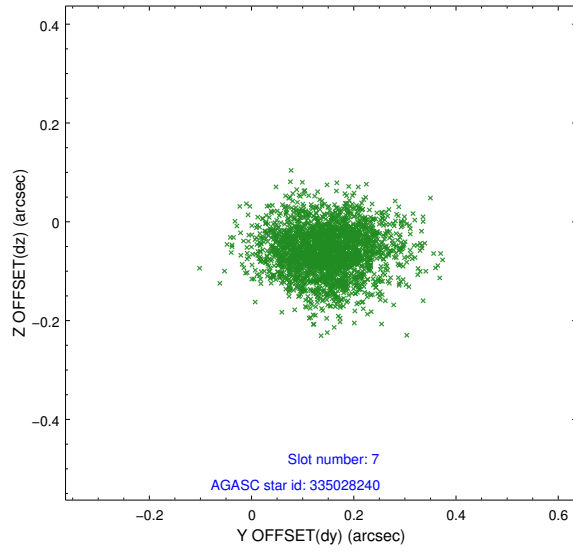


## 2.4.4 Slot 6



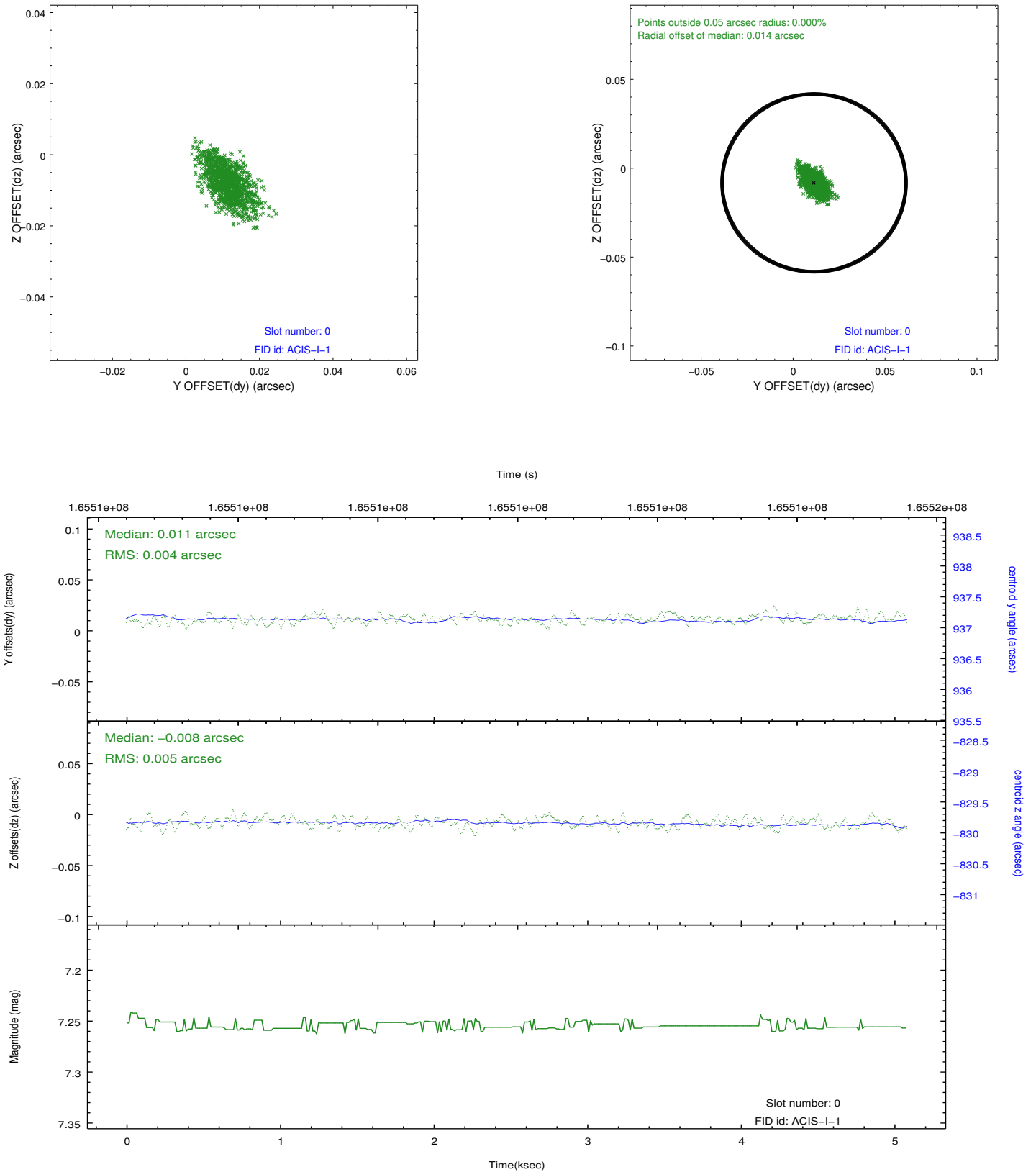


## 2.4.5 Slot 7

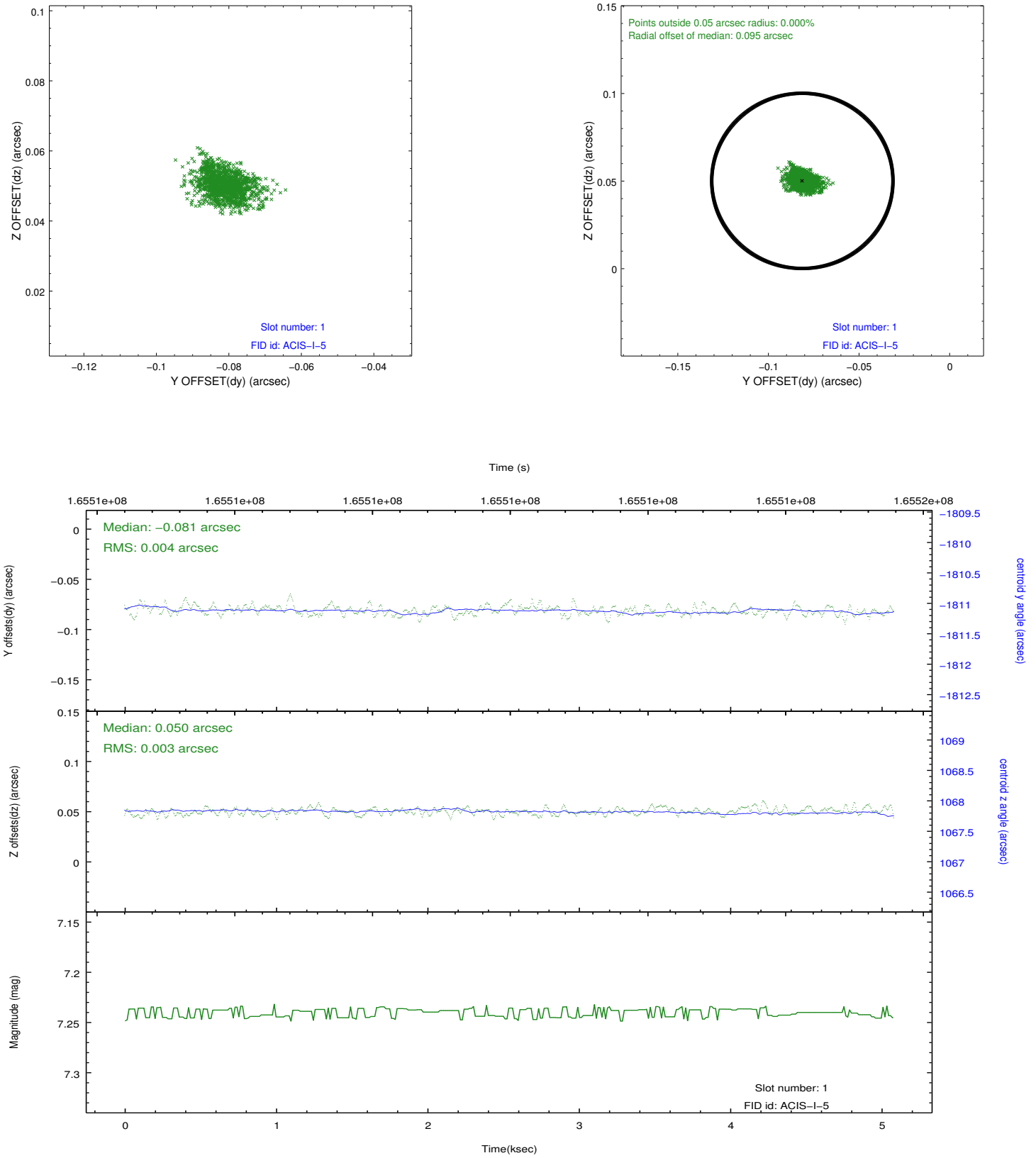


## 2.5 FID Slots

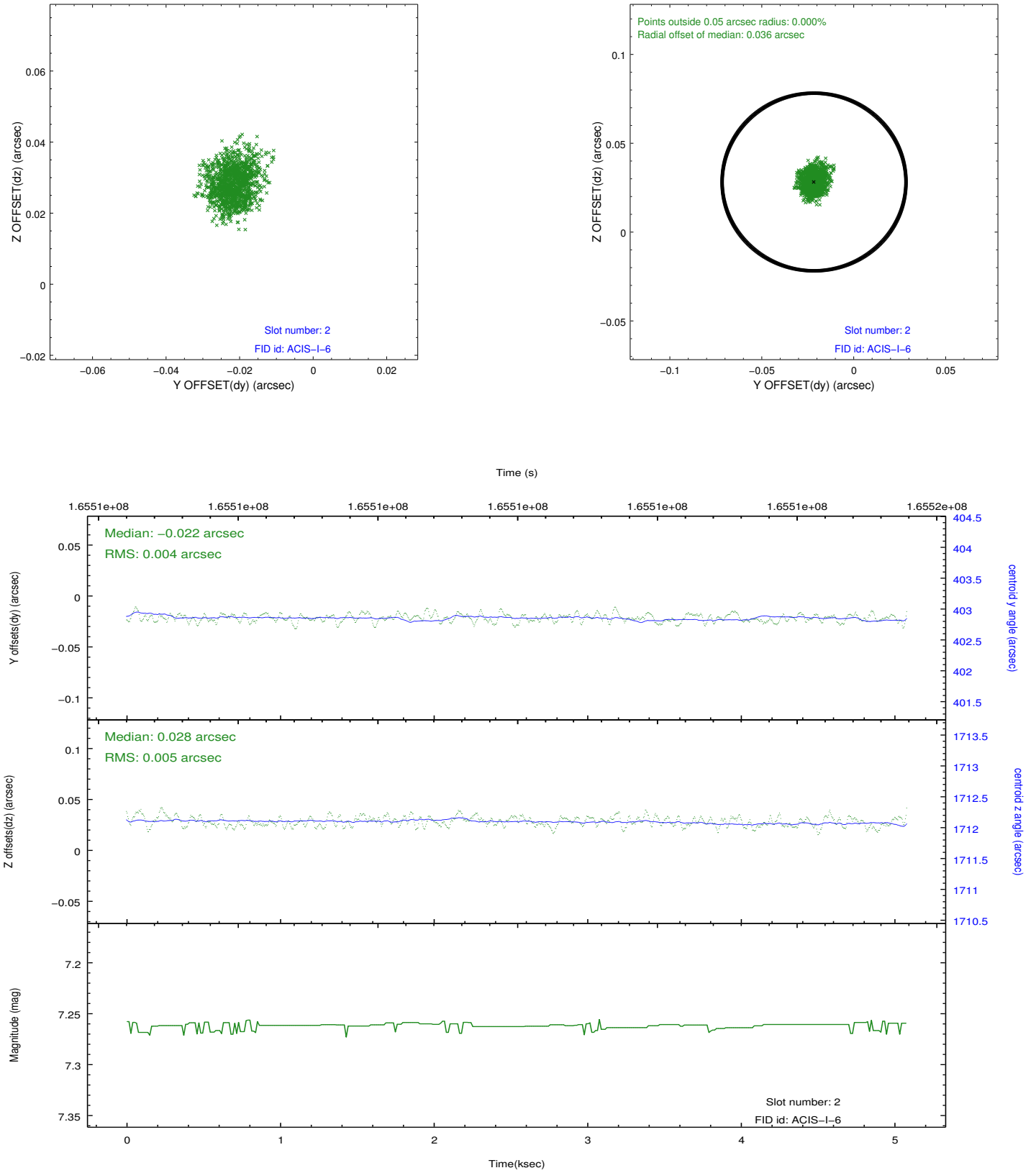
### 2.5.1 Slot 0



## 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)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.674

### A.2 Comments