

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4266 - L2 Version 3  
Chandra X-Ray Center

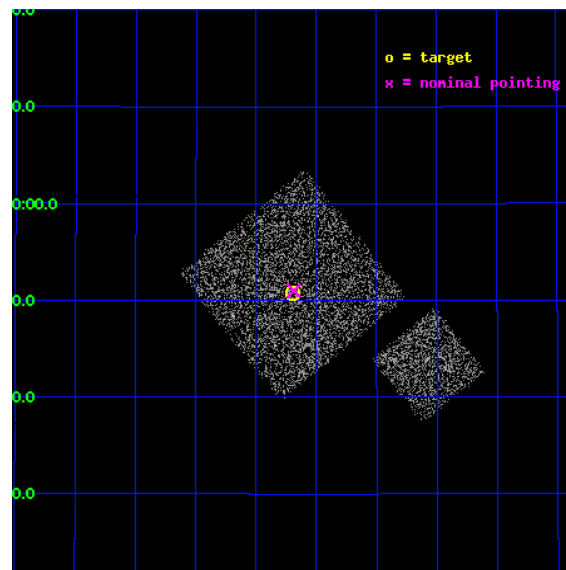
L2 Processing Date : Oct 26 2012

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# 1 Front

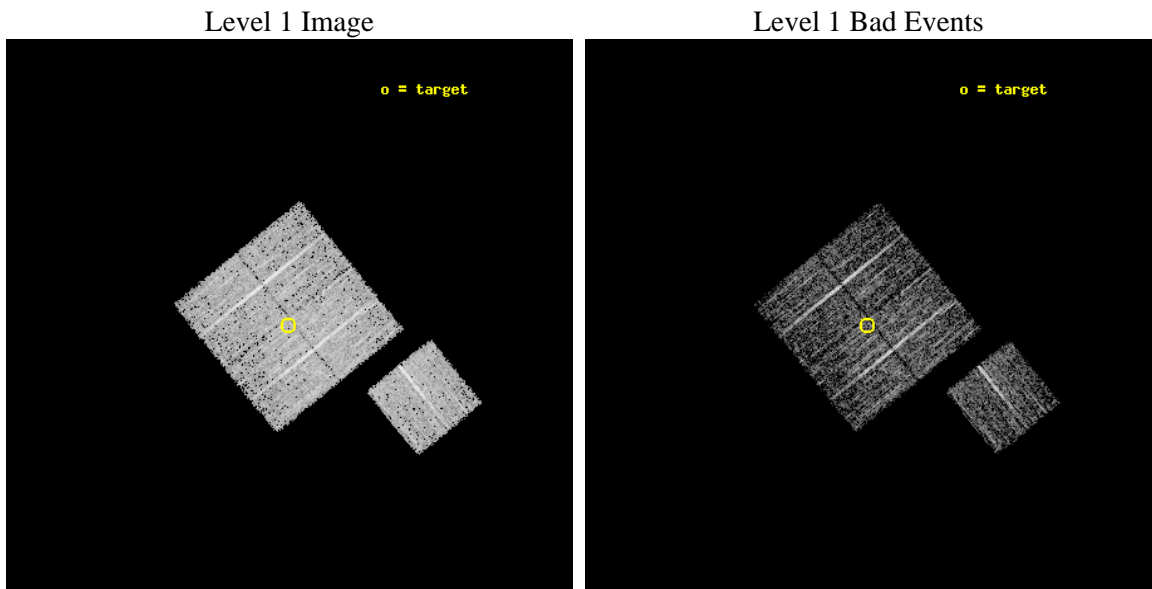
seq_num	900309	Sequence number
obs_id	4266	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS43	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.17418	Observer's specified target RA [deg]
dec_targ	32.845836	Observer's specified target Dec [deg]
ra_nom	217.17155828144	Nominal RA [deg]
dec_nom	32.849884162239	Nominal Dec [deg]
roll_nom	141.01010785172	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4578.1949627995	Sum of GTIs [s]
livetime	4518.3774751925	Livetime [s]
ontime0	4578.0718427896	Sum of GTIs [s]
ontime1	4578.1128827929	Sum of GTIs [s]
ontime2	4578.1539227962	Sum of GTIs [s]
ontime3	4578.1949627995	Sum of GTIs [s]
ontime6	4578.0308027864	Sum of GTIs [s]
l2events	9470	Number of level 2 events



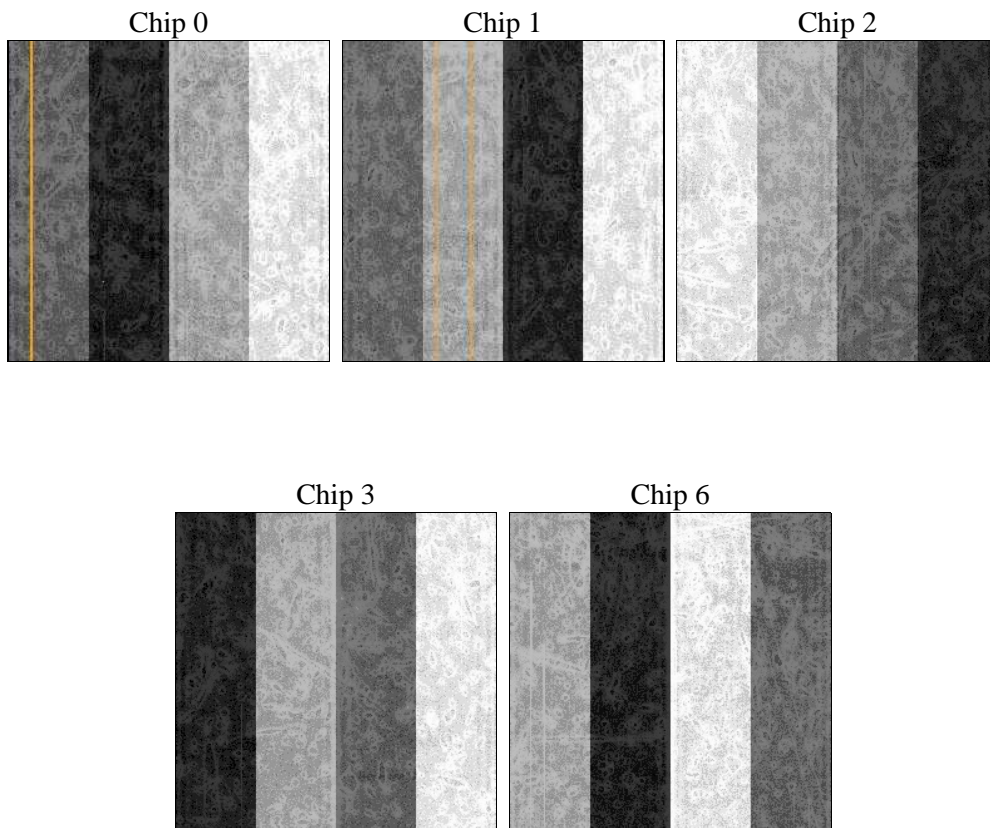
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4578.1949627995	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4578.0718427896	Sum of GTIs [s]
date	2012-10-26T00:16:05	Date and time of file creation	ontime1	4578.1128827929	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4578.1539227962	Sum of GTIs [s]
			ontime3	4578.1949627995	Sum of GTIs [s]
			ontime6	4578.0308027864	Sum of GTIs [s]
			l1events	114578	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	20952	21972	25268	23498	22888
rejected events	18746	19477	22955	21312	20504
rejected %	89%	88%	90%	90%	89%

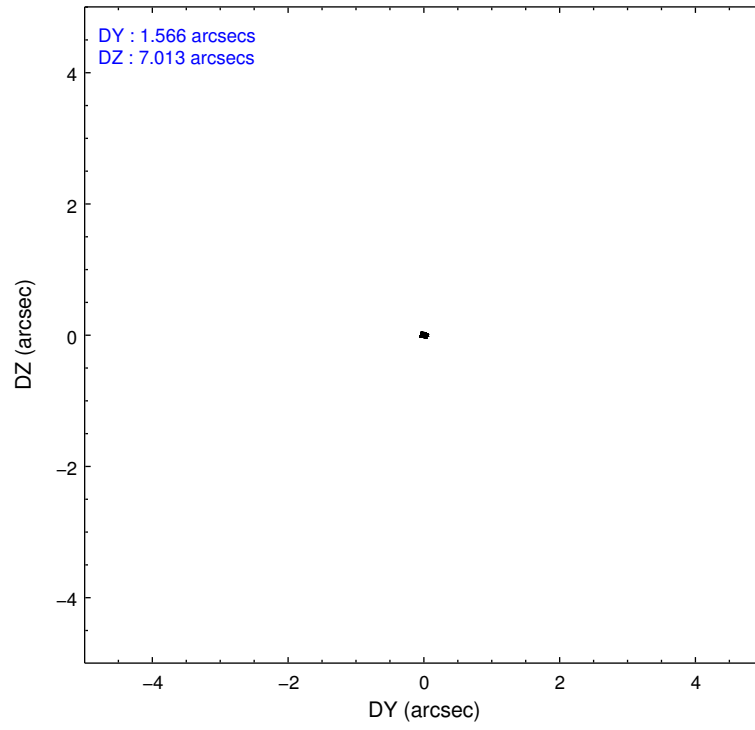
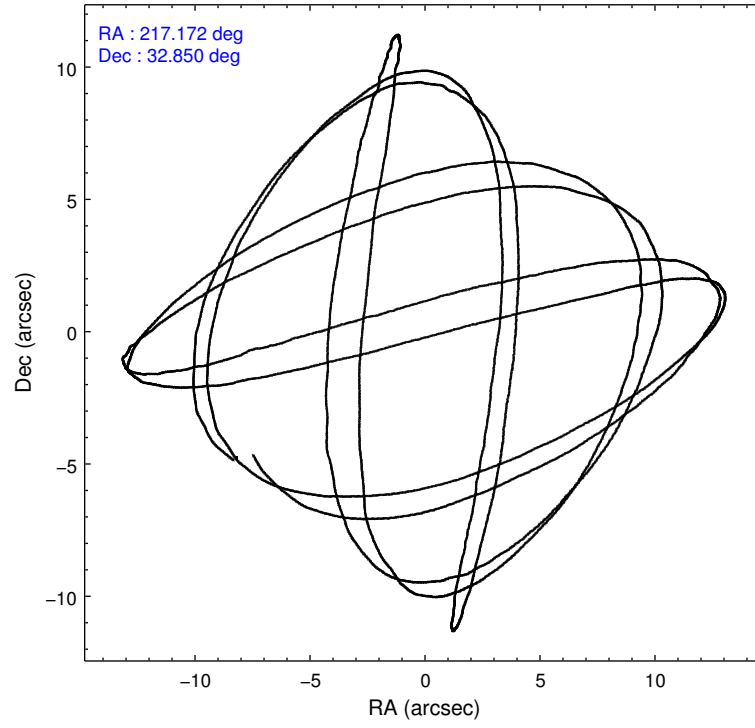
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	794	908	905	801	857
	3%	4%	3%	3%	3%
grade 1 events	10	12	10	13	7
	0%	0%	0%	0%	0%
grade 2 events	483	548	542	440	491
	2%	2%	2%	1%	2%
grade 3 events	292	302	274	277	288
	1%	1%	1%	1%	1%
grade 4 events	245	274	238	250	276
	1%	1%	0%	1%	1%
grade 5 events	665	720	628	774	758
	3%	3%	2%	3%	3%
grade 6 events	392	465	356	420	473
	1%	2%	1%	1%	2%
grade 7 events	18071	18743	22315	20523	19738
	86%	85%	88%	87%	86%

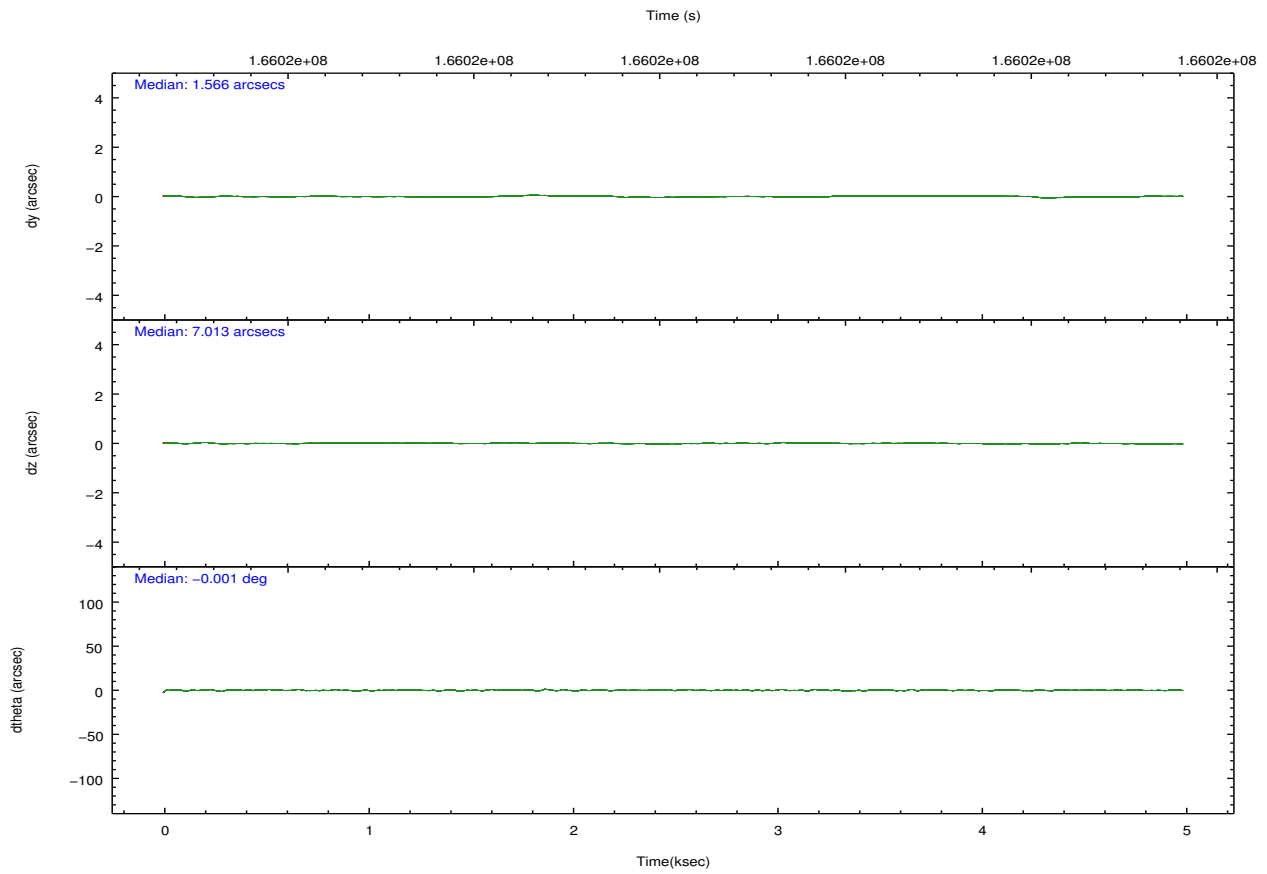
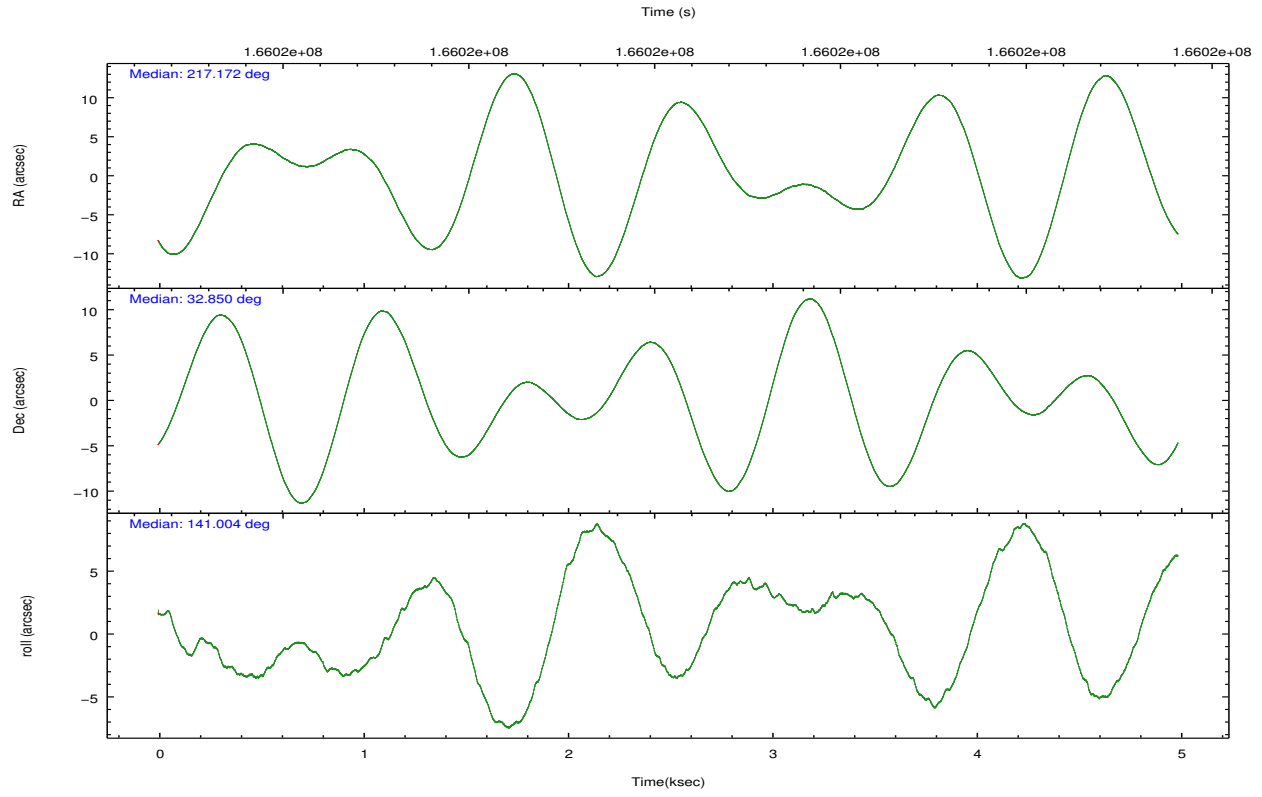


## 2.2 Compared Parameters

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	217.203802	217.1715582814408	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.845754	32.84988416223882	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783932	141.0101078517188	[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)	166015765.184000	166015389.3388			
Observation start date	2003-04-06T11:28:21	2003-04-06T11:23:09			
[s] Observation end time (MET)	166020565.184000	166020699.35153			
Observation end date	2003-04-06T12:48:21	2003-04-06T12:51:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



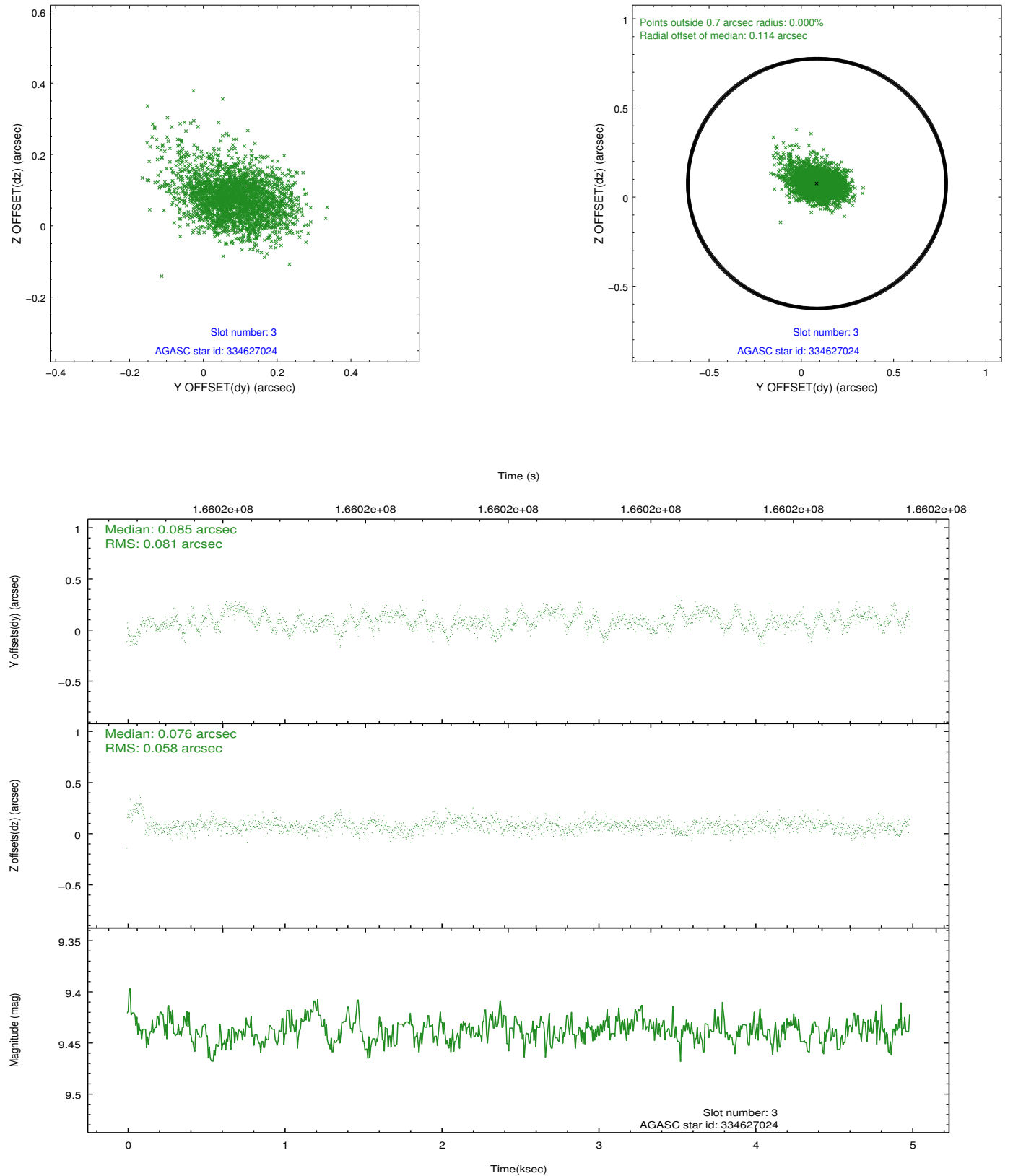


### Slot Statistics

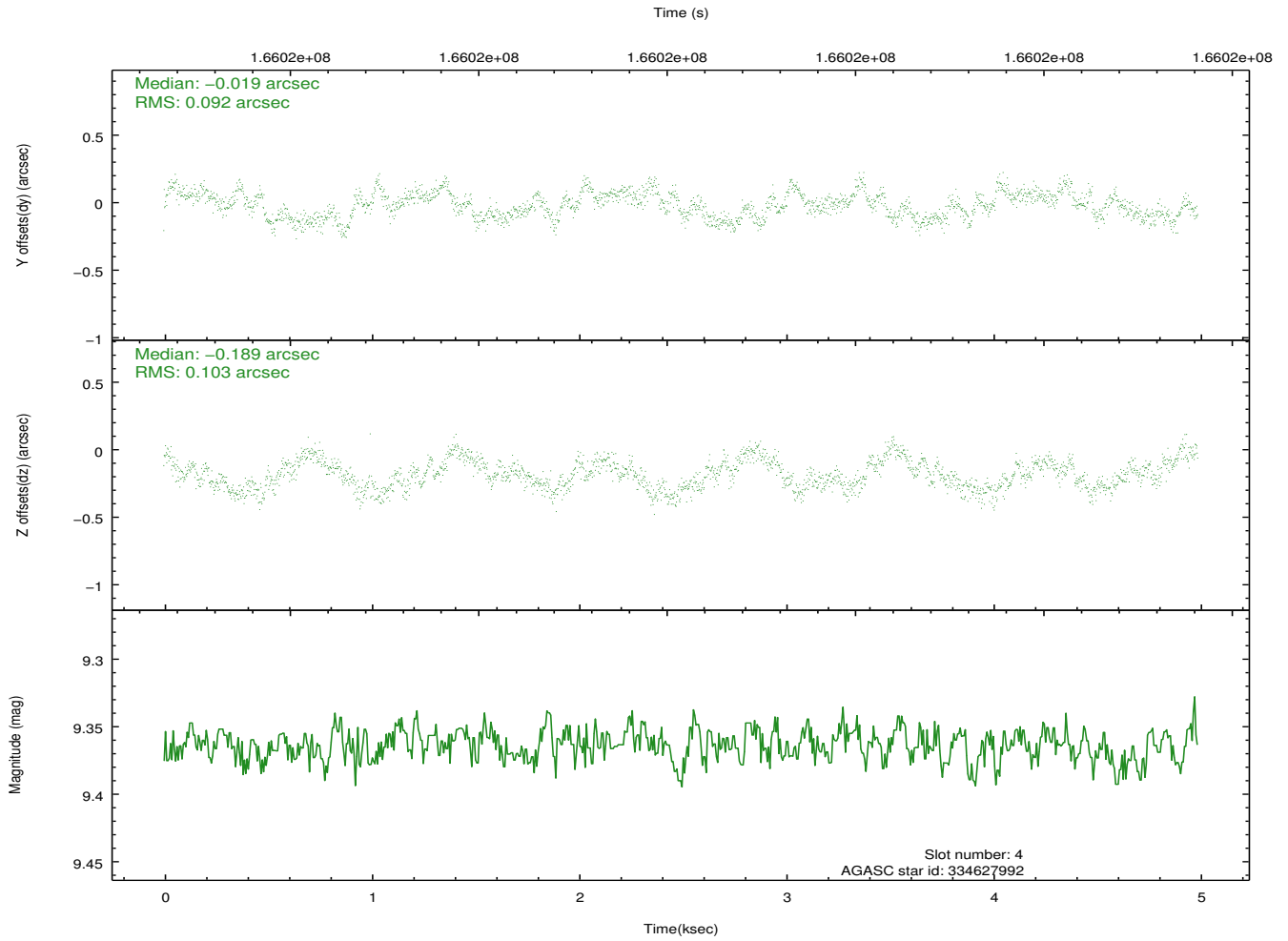
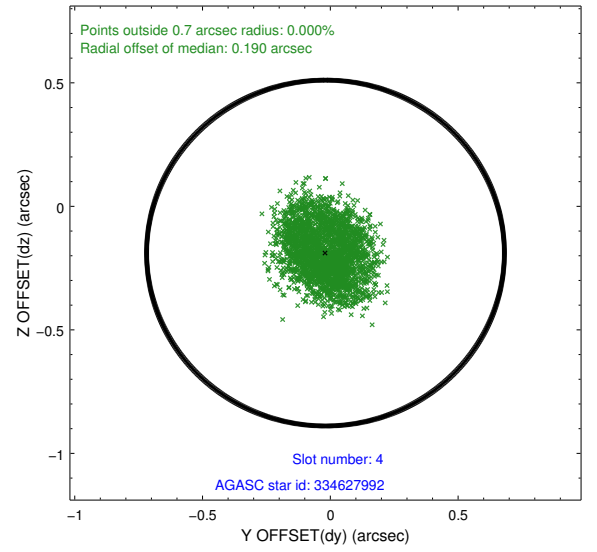
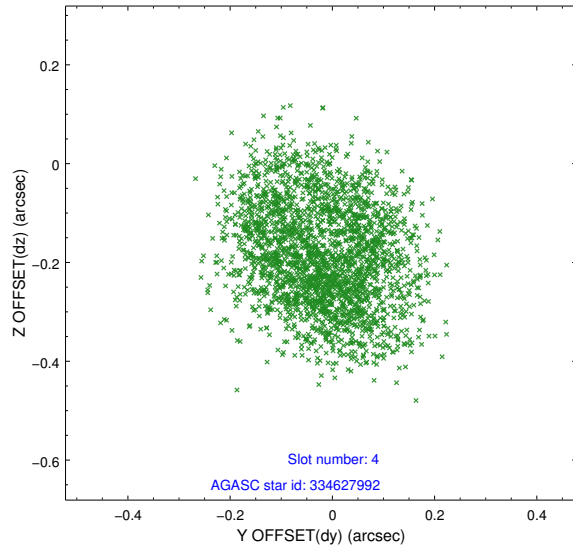
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1218	0.009	0.011	0.006	0.010	0.000000	0.000000	938.25	-830.42
1	FID	ACIS-I-5	7.24	1217	-0.078	0.053	0.006	0.010	0.000000	0.000000	-1809.21	1066.57
2	FID	ACIS-I-6	7.26	1218	-0.022	0.006	0.007	0.012	0.000000	0.000000	402.51	1712.36
3	GUIDE	334627024	9.44	2433	0.085	0.076	0.102	0.177	217.318801	32.278221	-1562.96	1361.39
4	GUIDE	334627992	9.36	2430	-0.019	-0.189	0.151	0.227	216.814353	32.274859	-380.48	2340.38
5	GUIDE	335021200	8.86	2432	-0.074	-0.060	0.079	0.128	216.377257	32.627867	1451.64	2185.66
6	GUIDE	335028240	9.18	2432	0.020	0.062	0.093	0.148	216.746851	33.385009	2294.48	-636.76
7	GUIDE	335029384	8.51	2434	-0.009	0.121	0.131	0.223	217.848061	33.088477	-948.27	-1910.46

## 2.4 Star Slots

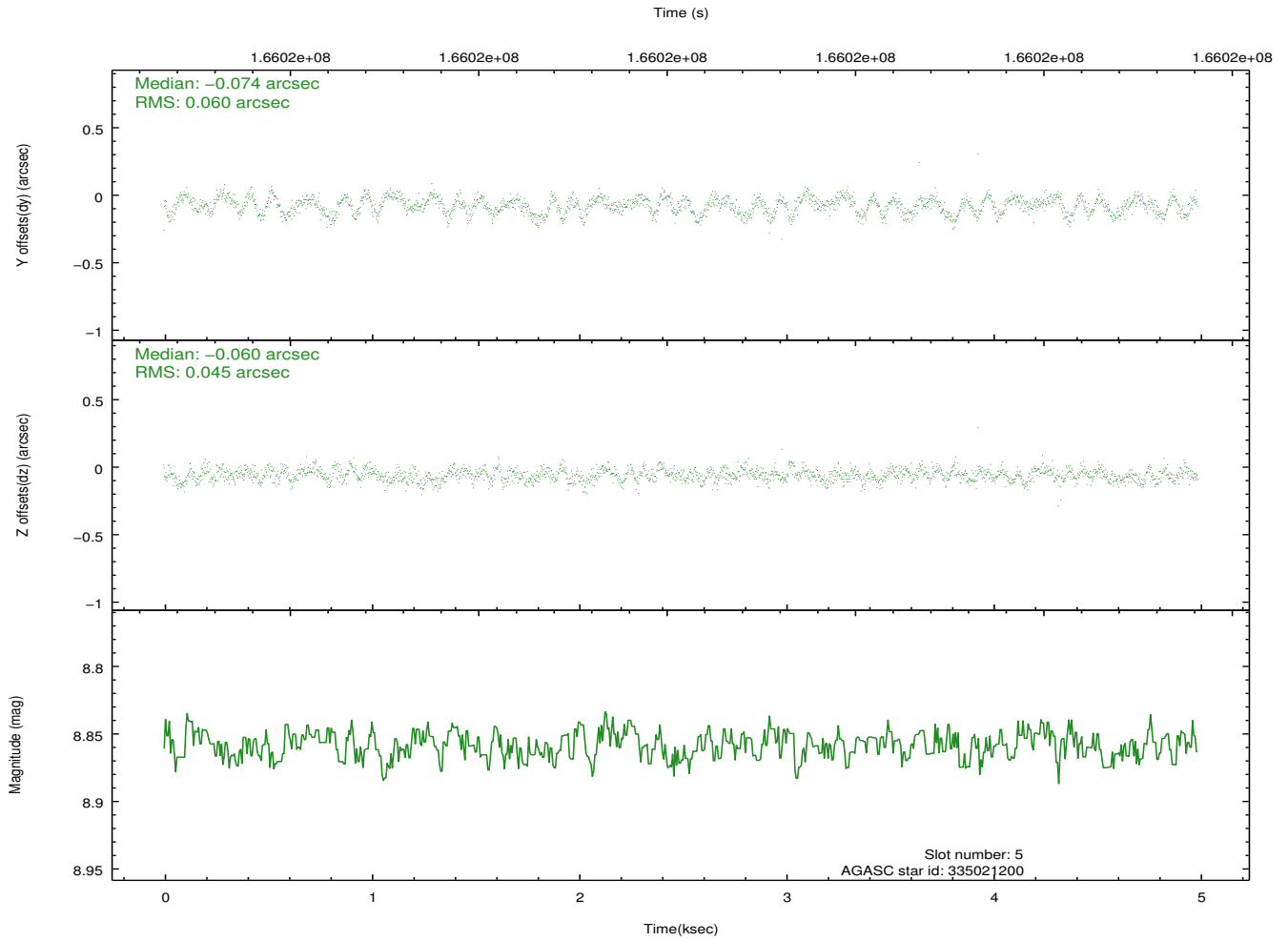
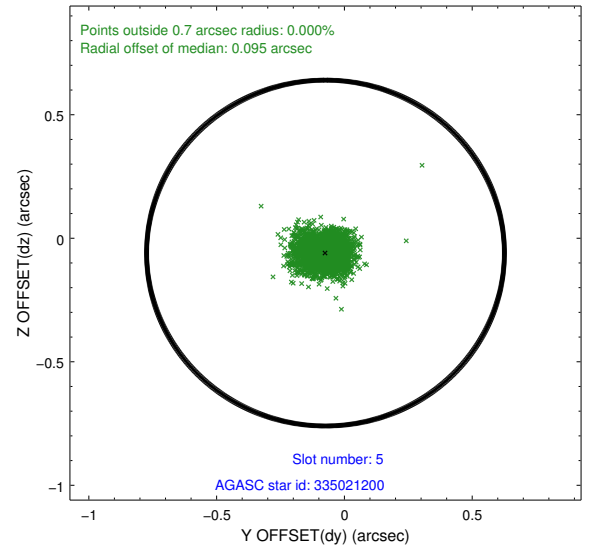
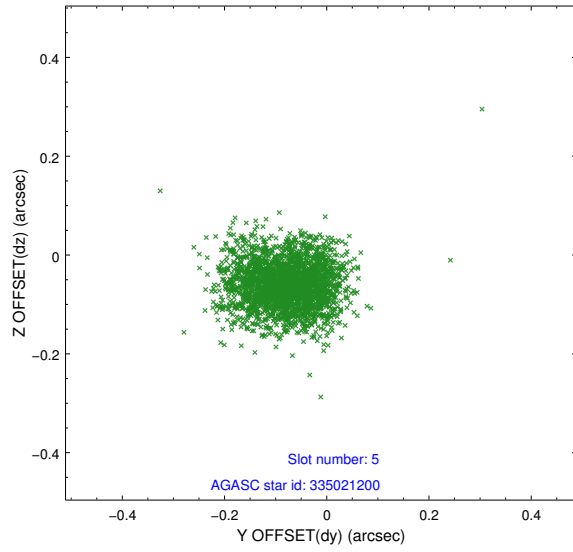
### 2.4.1 Slot 3



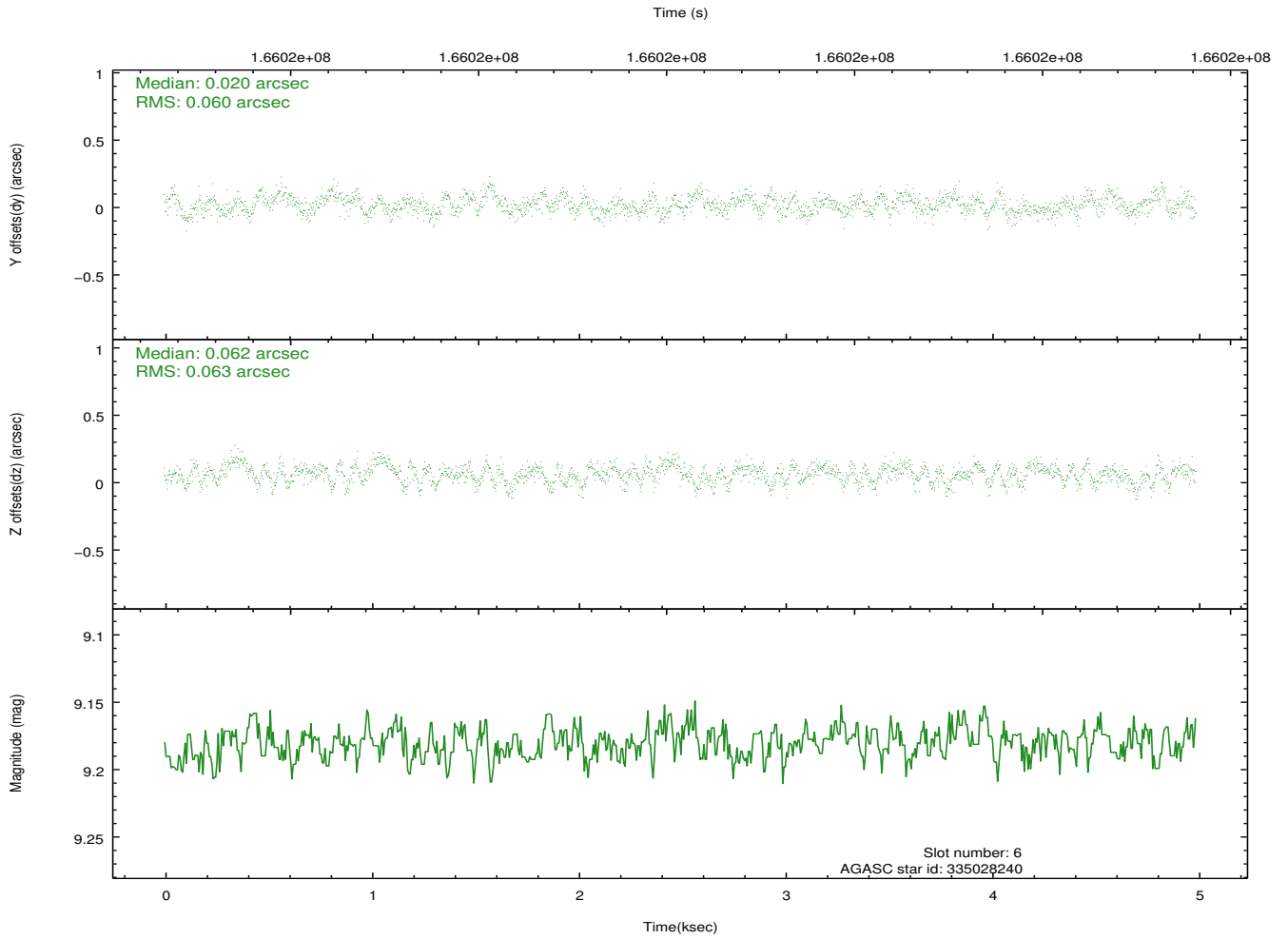
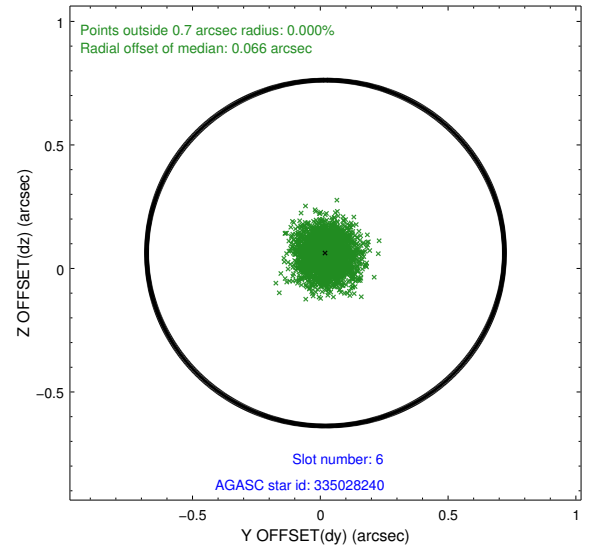
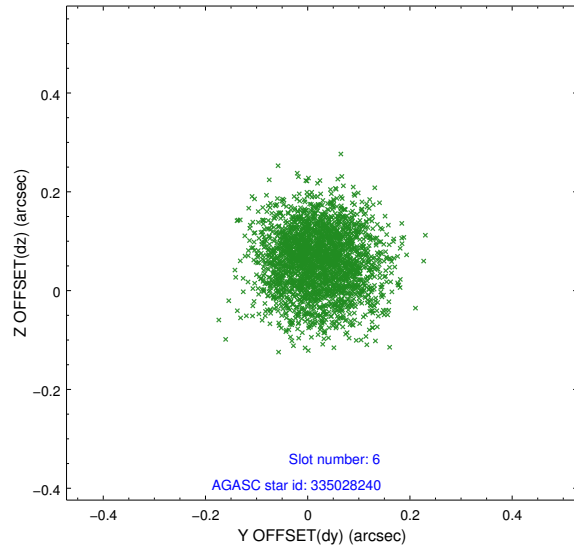
## 2.4.2 Slot 4



### 2.4.3 Slot 5

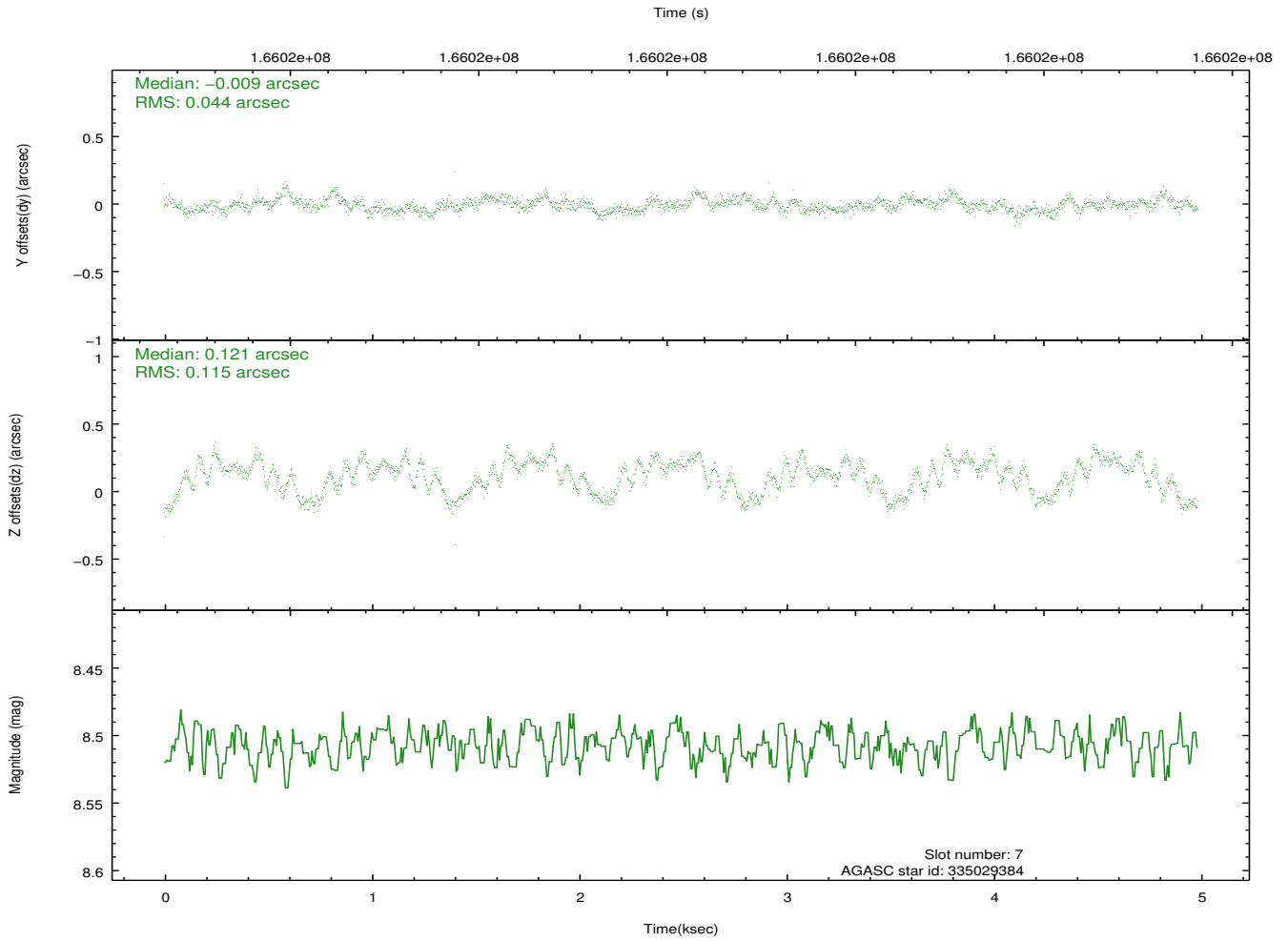
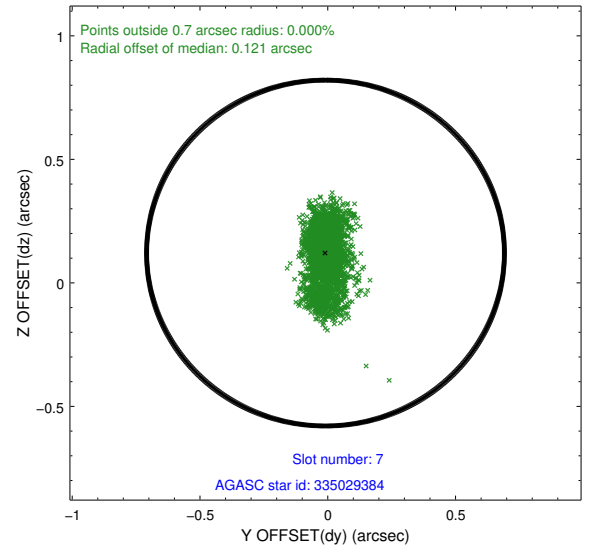
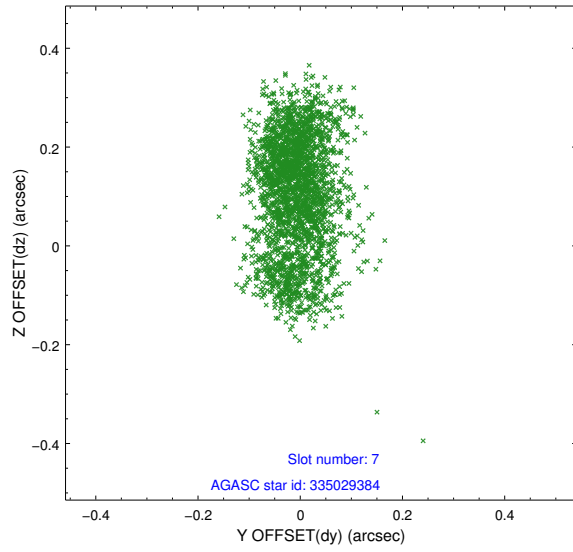


## 2.4.4 Slot 6



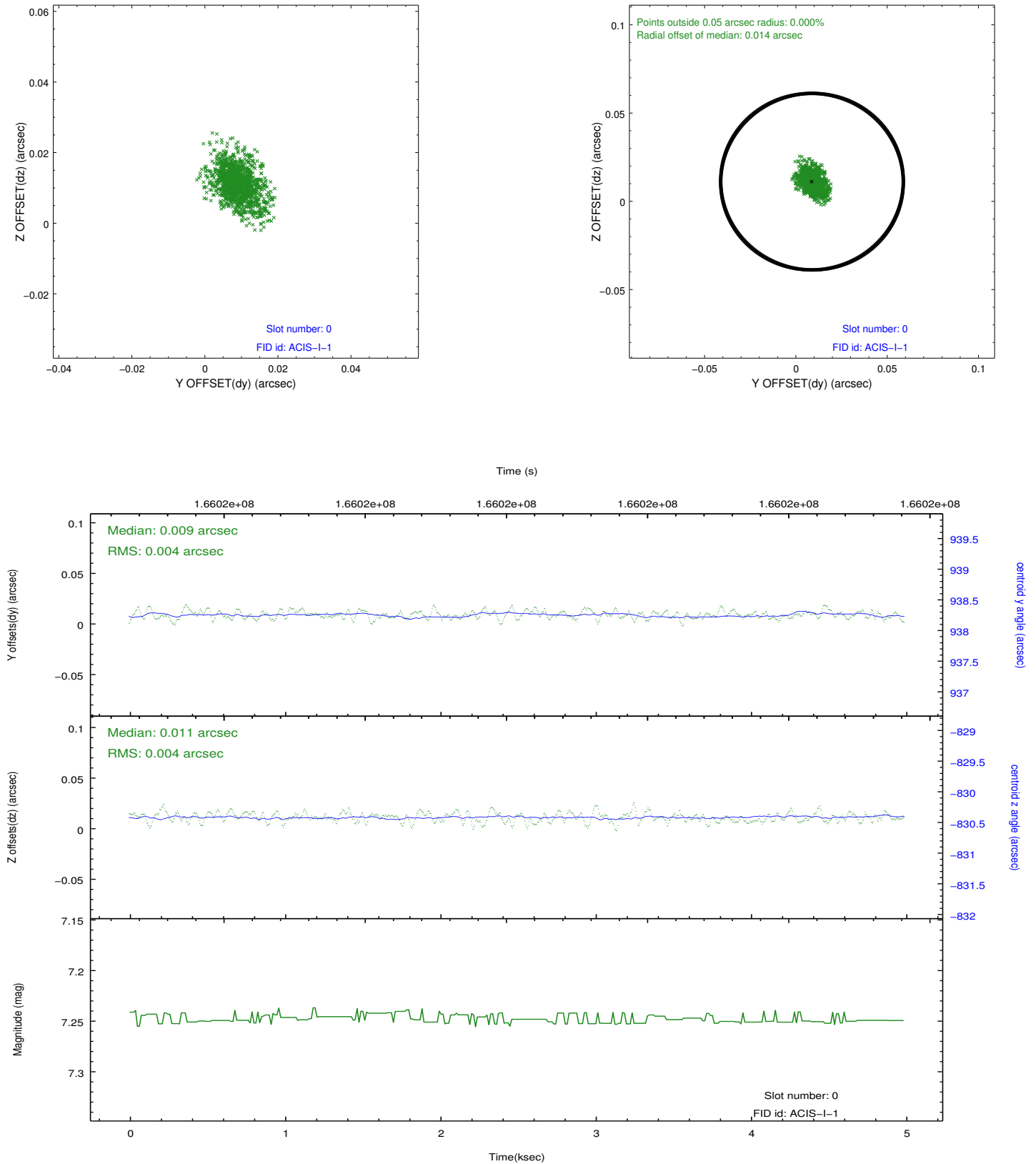


## 2.4.5 Slot 7

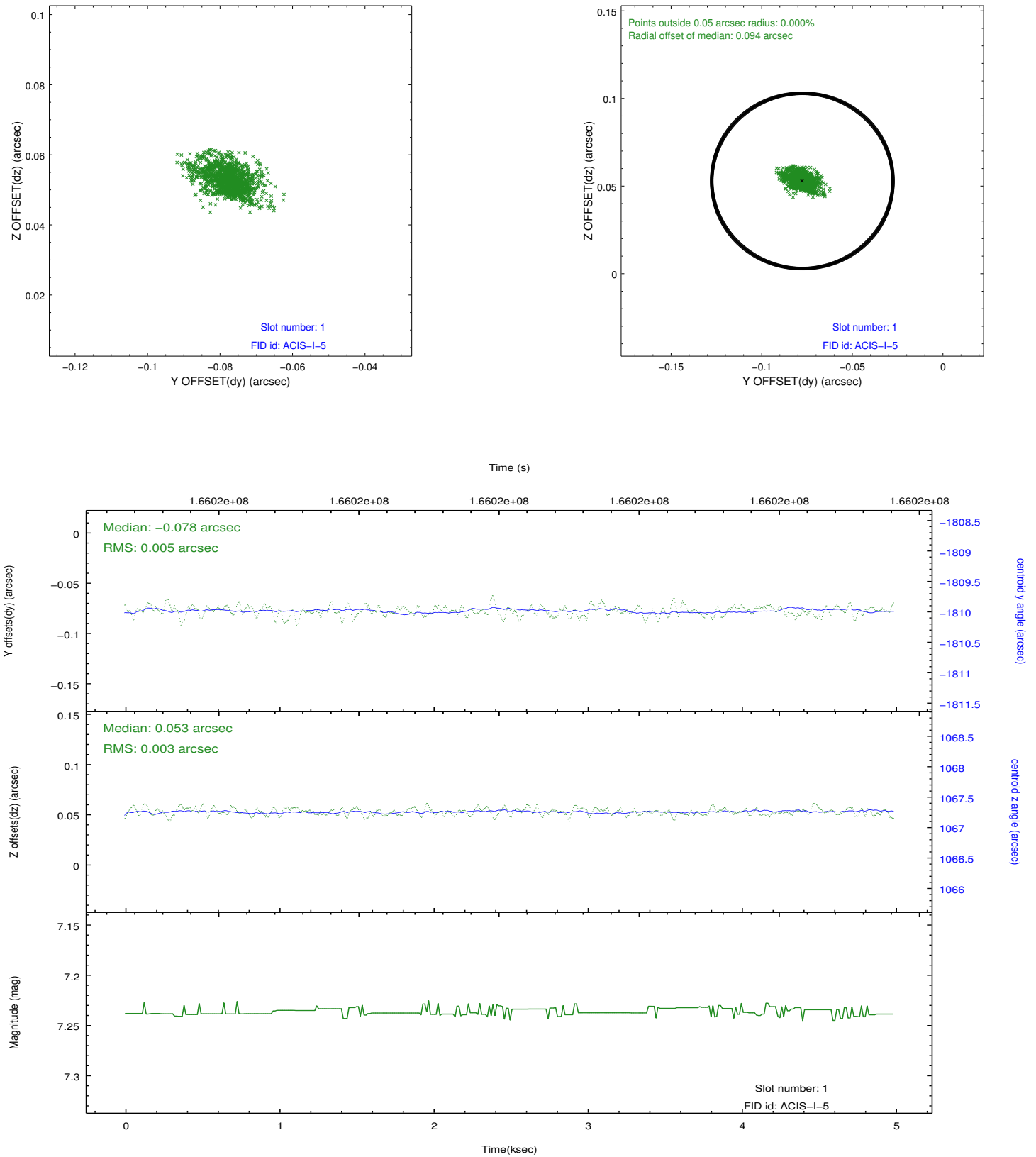


## 2.5 FID Slots

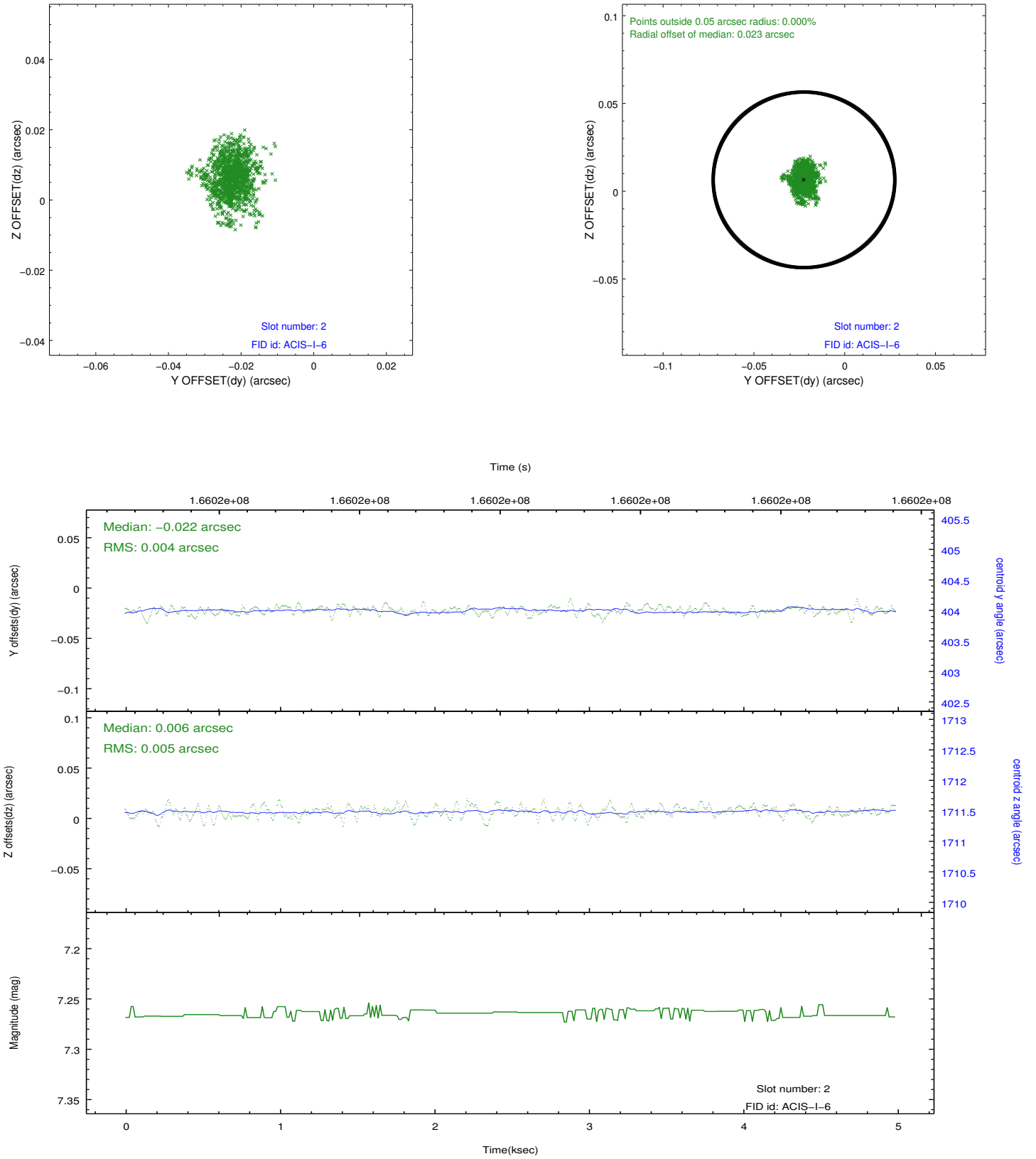
### 2.5.1 Slot 0



## 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)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.578

### **A.2 Comments**