

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4226 - L2 Version 3  
Chandra X-Ray Center

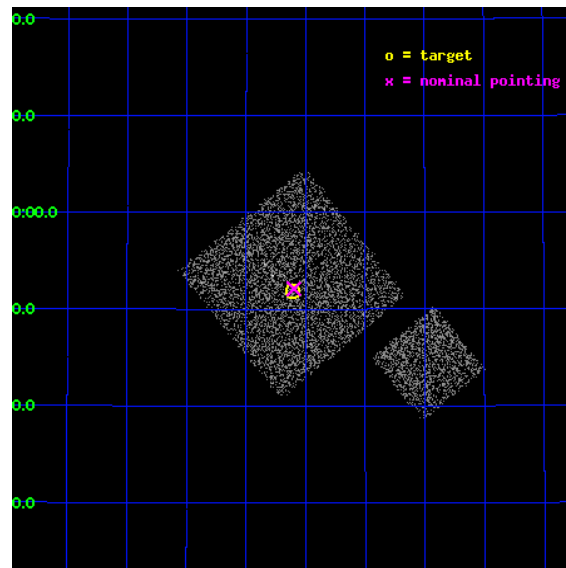
L2 Processing Date : Oct 24 2012

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# 1 Front

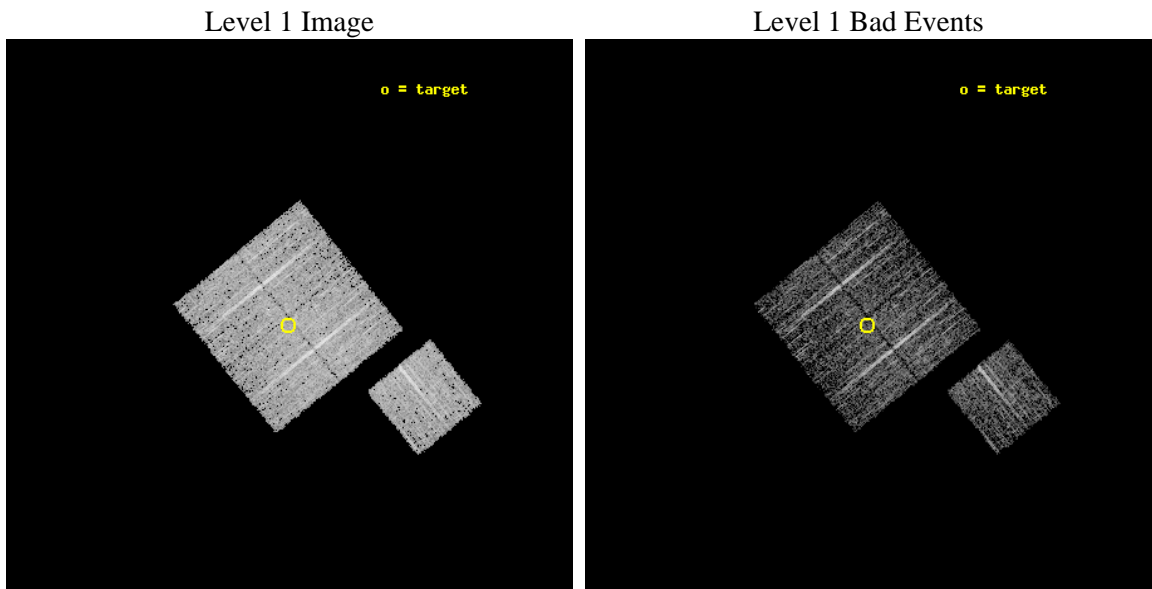
seq_num	900269	Sequence number
obs_id	4226	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS13	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.527246	Observer's specified target RA [deg]
dec_targ	33.864306	Observer's specified target Dec [deg]
ra_nom	216.52466617132	Nominal RA [deg]
dec_nom	33.868430516965	Nominal Dec [deg]
roll_nom	141.01014543658	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4776.4244973361	Sum of GTIs [s]
livetime	4714.0169949259	Livetime [s]
ontime0	4776.3013773263	Sum of GTIs [s]
ontime1	4773.2014271021	Sum of GTIs [s]
ontime2	4776.3834573328	Sum of GTIs [s]
ontime3	4776.4244973361	Sum of GTIs [s]
ontime6	4776.260337323	Sum of GTIs [s]
l2events	9886	Number of level 2 events



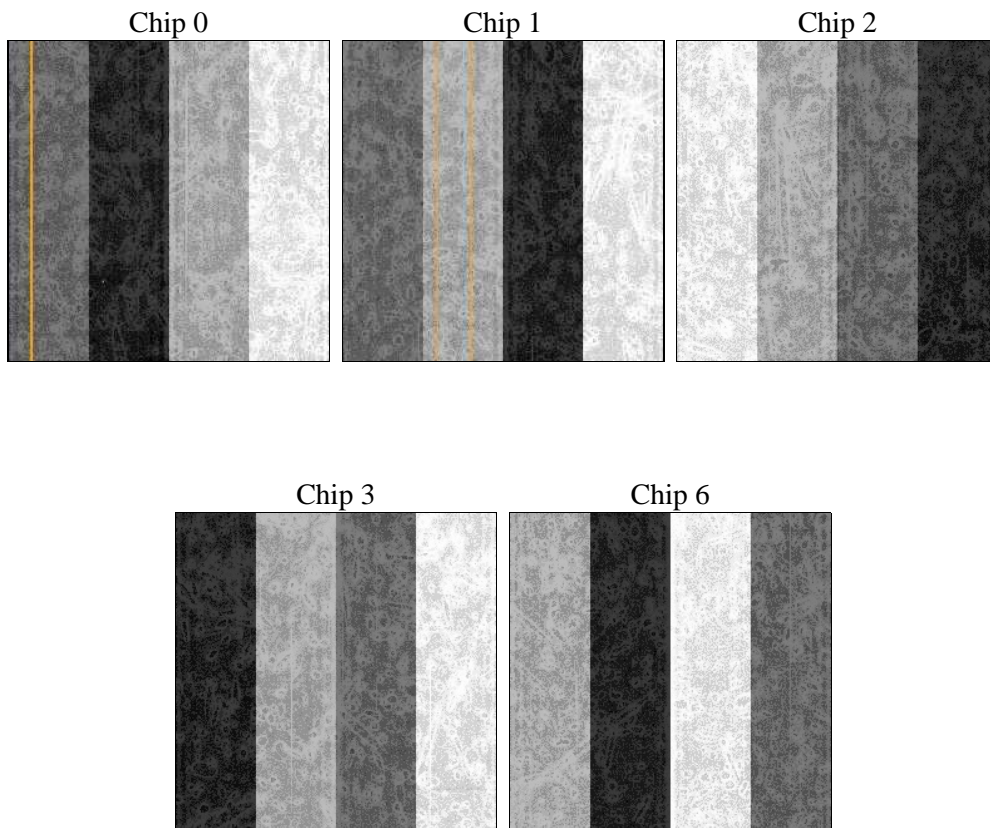
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4776.4244973361	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4776.3013773263	Sum of GTIs [s]
date	2012-10-24T20:55:25	Date and time of file creation	ontime1	4773.2014271021	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.3834573328	Sum of GTIs [s]
			ontime3	4776.4244973361	Sum of GTIs [s]
			ontime6	4776.260337323	Sum of GTIs [s]
			l1events	121811	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23235	23426	26643	23630	24877
rejected events	20821	20759	24233	21449	22406
rejected %	89%	88%	90%	90%	90%

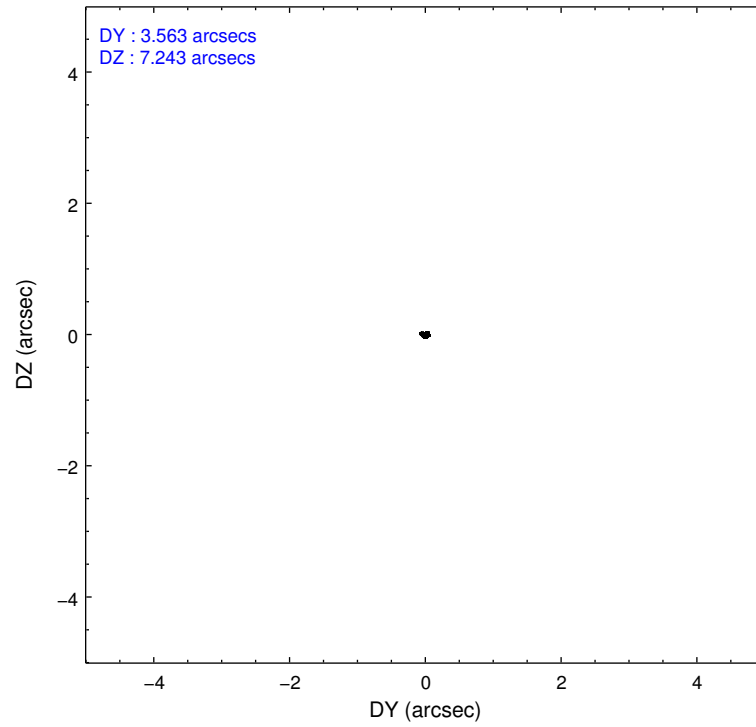
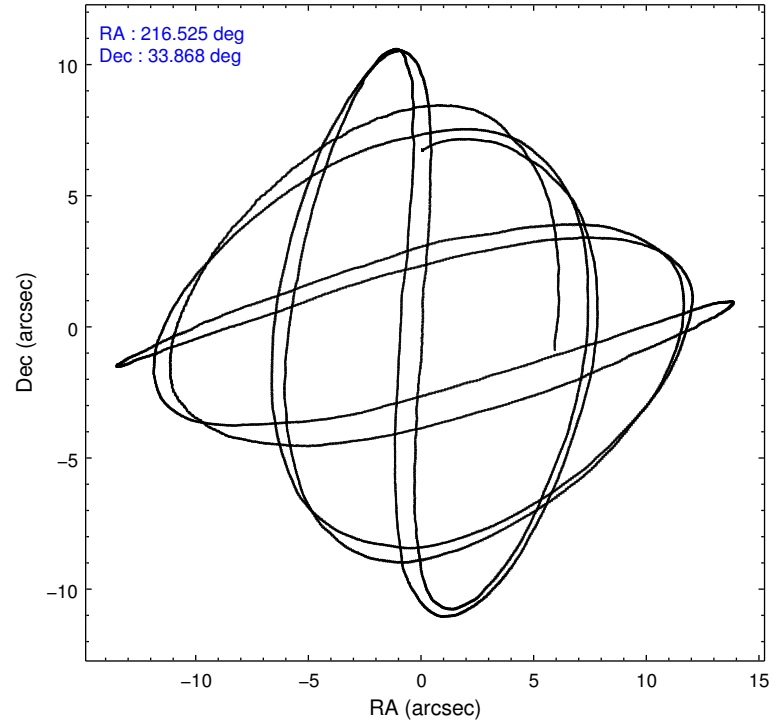
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	889	991	949	796	869
	3%	4%	3%	3%	3%
grade 1 events	10	14	12	14	12
	0%	0%	0%	0%	0%
grade 2 events	558	539	546	480	499
	2%	2%	2%	2%	2%
grade 3 events	268	322	268	268	305
	1%	1%	1%	1%	1%
grade 4 events	256	323	245	247	273
	1%	1%	0%	1%	1%
grade 5 events	761	763	627	787	774
	3%	3%	2%	3%	3%
grade 6 events	444	492	404	391	527
	1%	2%	1%	1%	2%
grade 7 events	20049	19982	23592	20647	21618
	86%	85%	88%	87%	86%

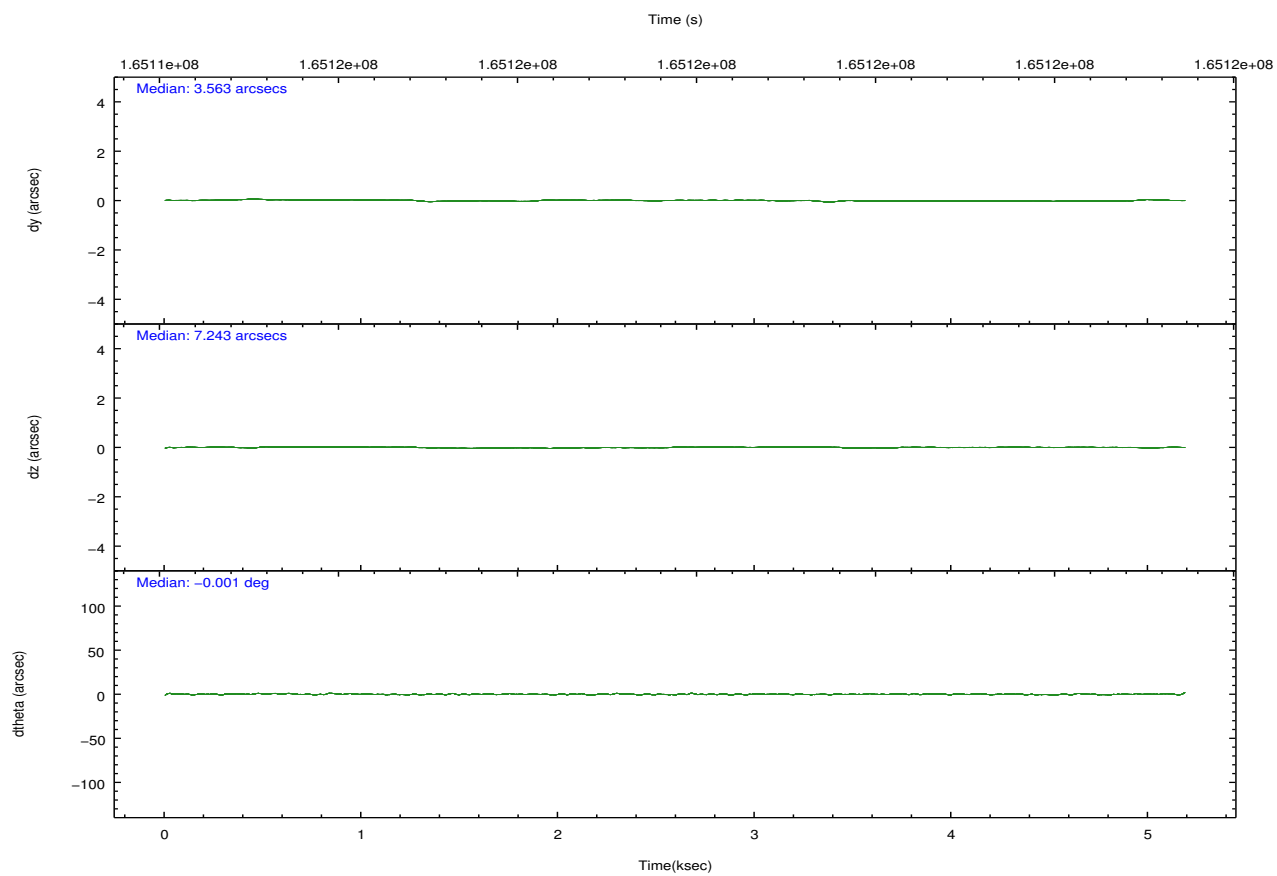
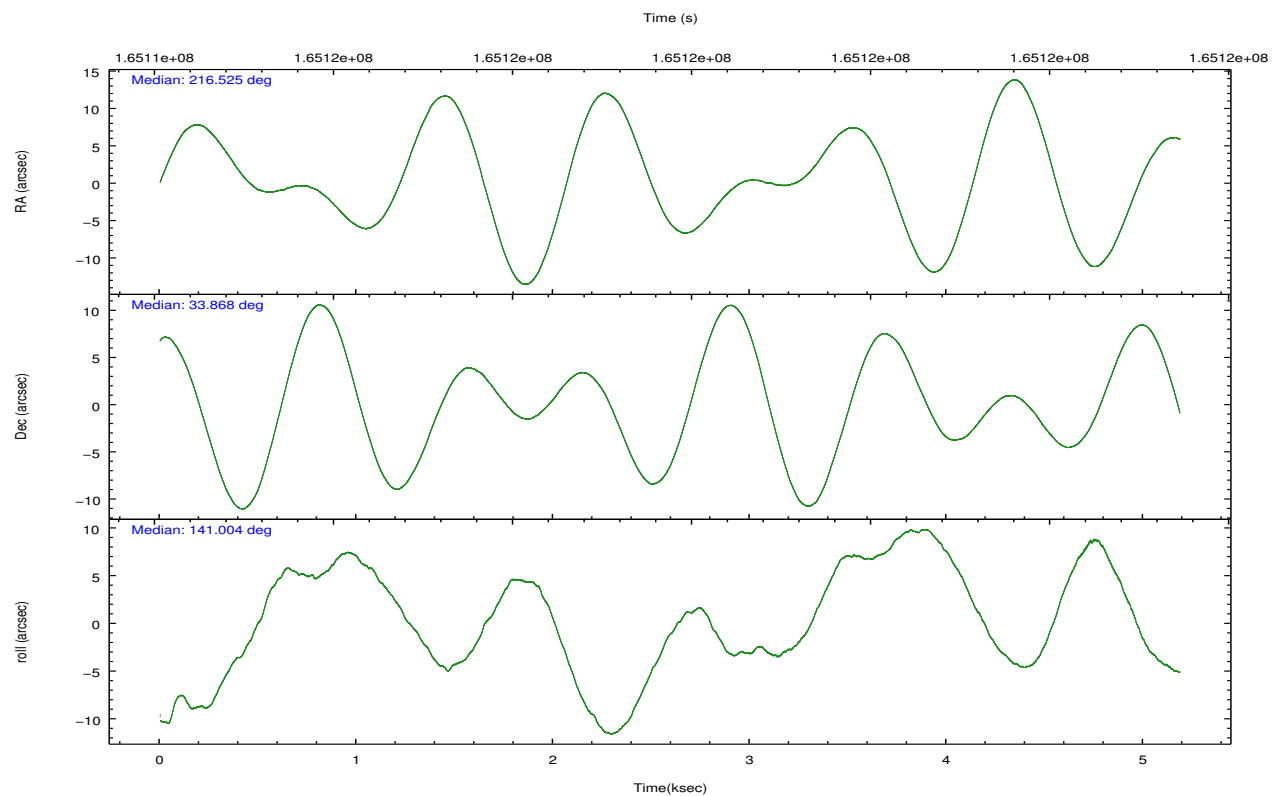


## 2.2 Compared Parameters

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	216.557218	216.5246661713162	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.864229	33.86843051696471	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783296	141.0101454365809	[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)	165114479.184000	165114103.21329			
Observation start date	2003-03-27T01:06:55	2003-03-27T01:01:43			
[s] Observation end time (MET)	165119479.184000	165119613.61352			
Observation end date	2003-03-27T02:30:15	2003-03-27T02:33:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect



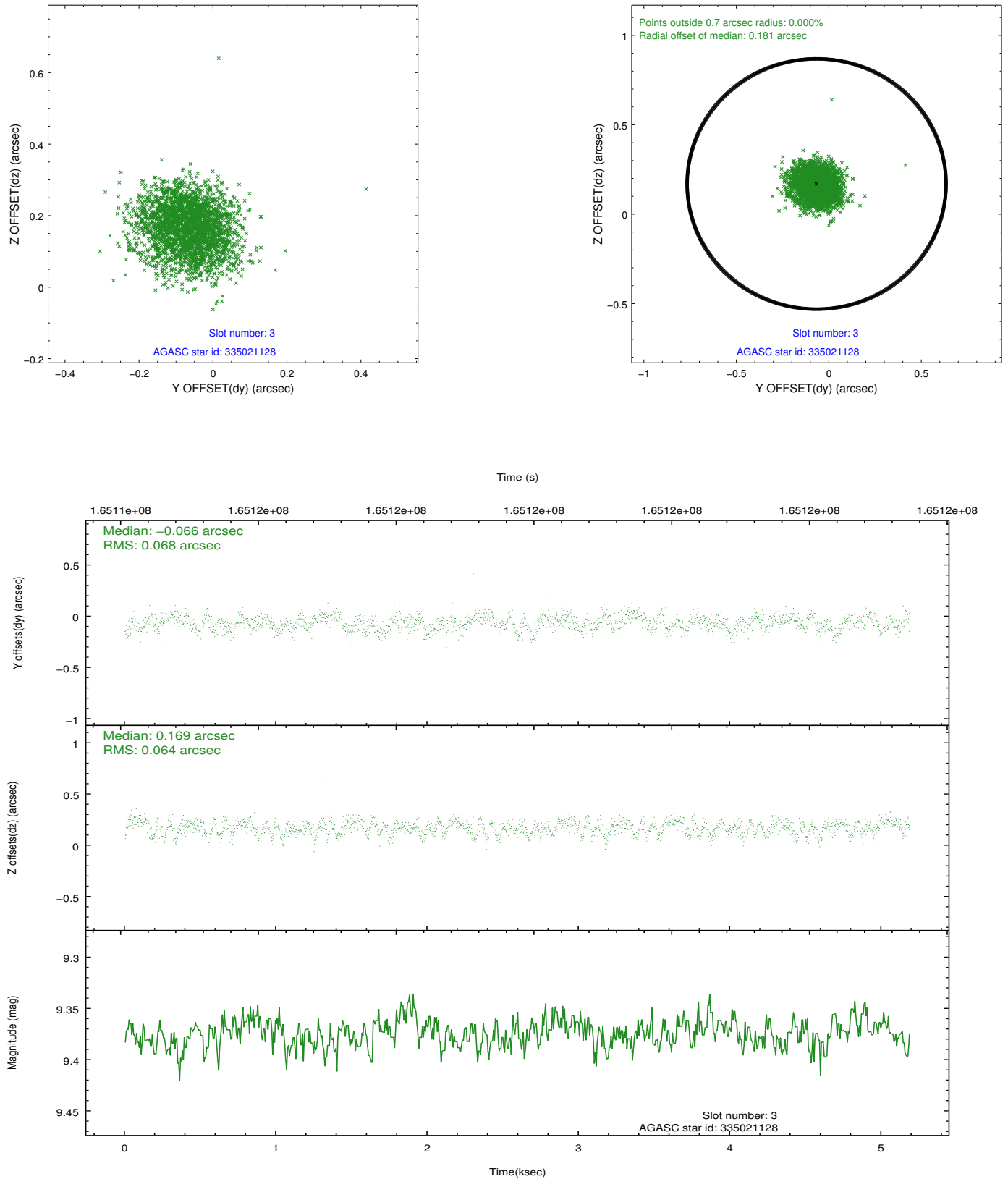


### Slot Statistics

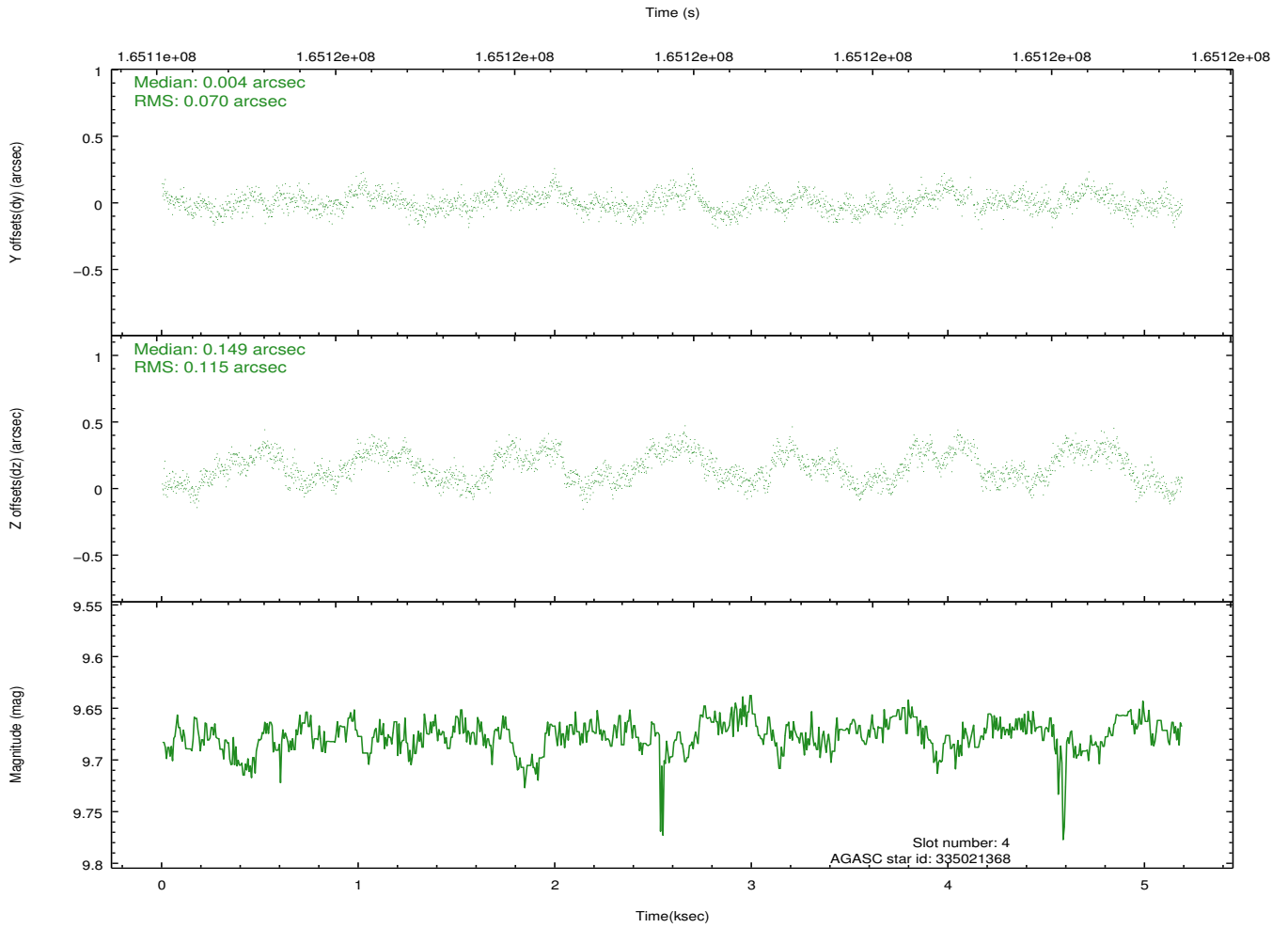
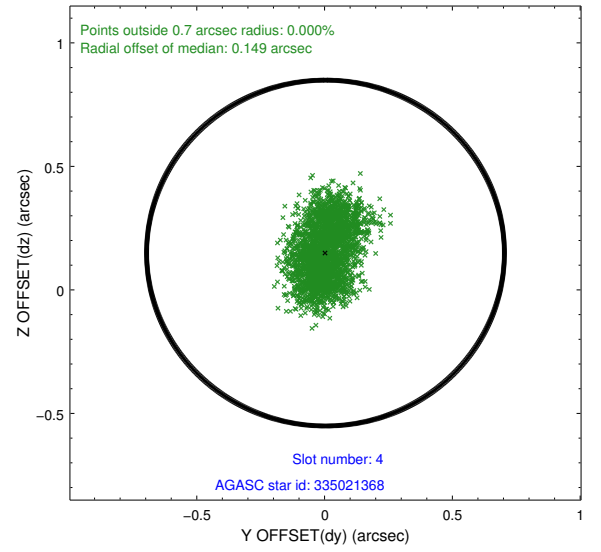
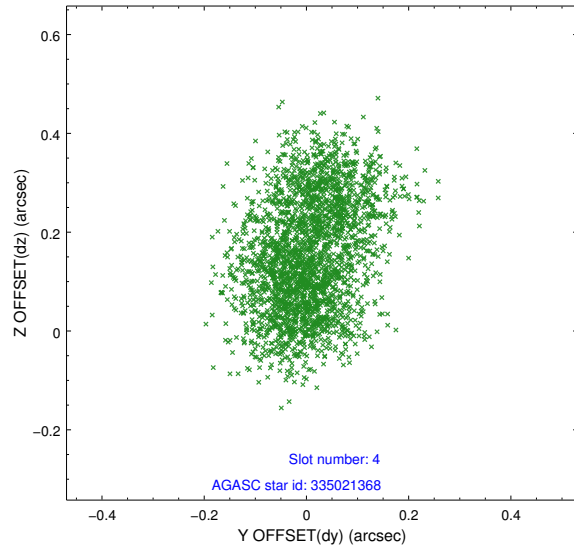
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1264	0.023	0.015	0.006	0.011	0.000000	0.000000	936.22	-830.64
1	FID	ACIS-I-5	7.24	1264	-0.099	0.064	0.006	0.011	0.000000	0.000000	-1811.32	1066.36
2	FID	ACIS-I-6	7.26	1264	-0.015	-0.008	0.007	0.013	0.000000	0.000000	400.50	1712.08
3	GUIDE	335021128	9.37	2528	-0.066	0.169	0.099	0.158	216.159551	34.422539	2187.40	-811.49
4	GUIDE	335021368	9.68	2499	0.004	0.149	0.148	0.227	217.529643	33.934817	-2079.64	-2043.79
5	GUIDE	335028696	9.19	2526	0.106	0.148	0.097	0.153	217.260519	33.844112	-1670.86	-1279.40
6	GUIDE	335029808	9.06	2530	0.044	-0.143	0.093	0.151	216.789548	33.180488	-2098.68	1463.49
7	GUIDE	334103232	8.70	2527	-0.079	-0.322	0.089	0.138	215.850271	33.571936	981.26	2151.15

## 2.4 Star Slots

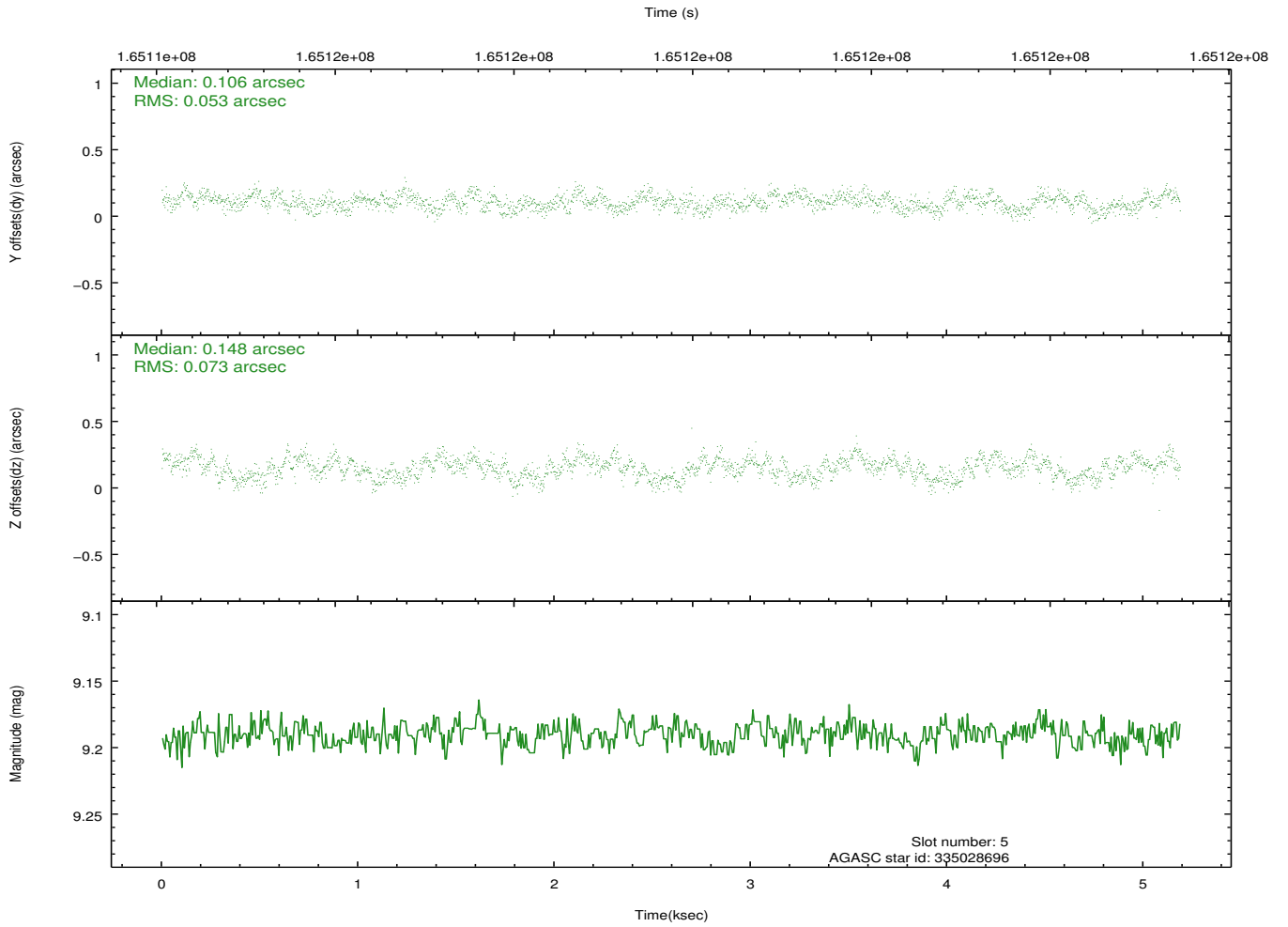
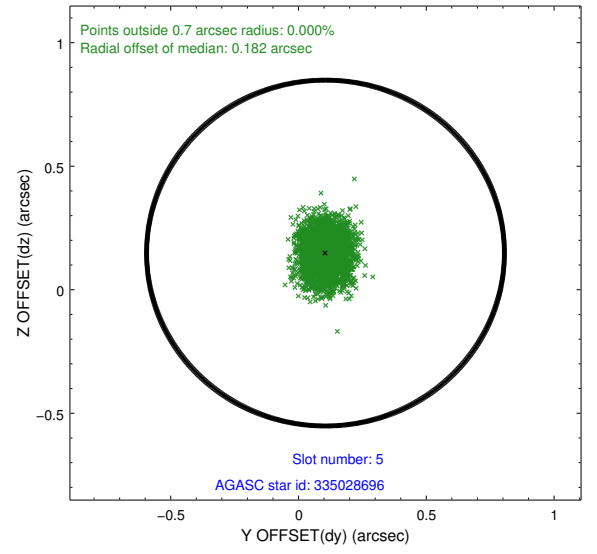
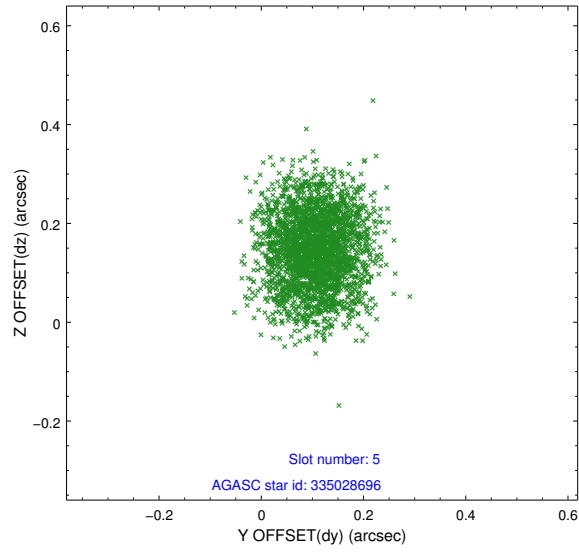
### 2.4.1 Slot 3



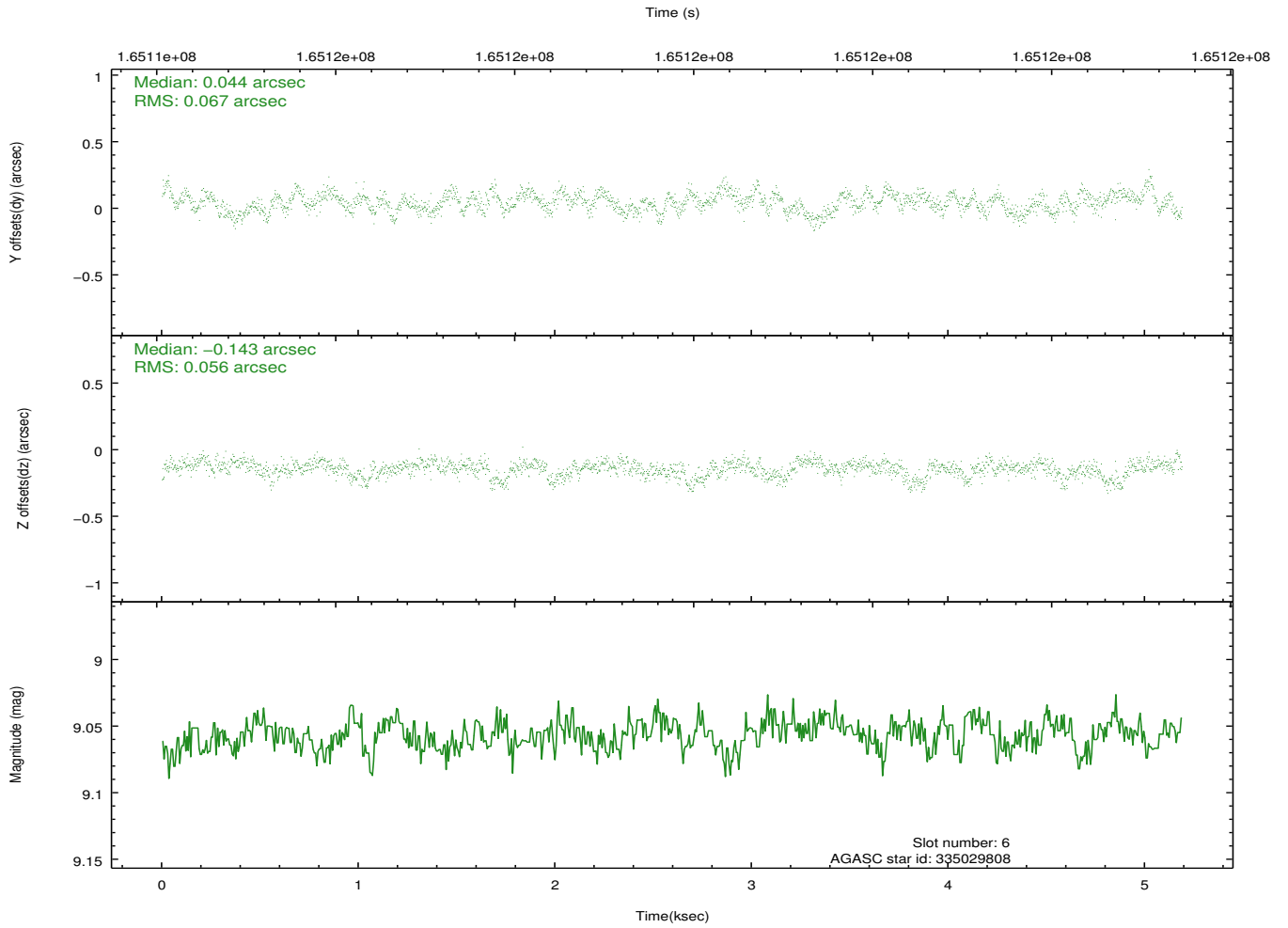
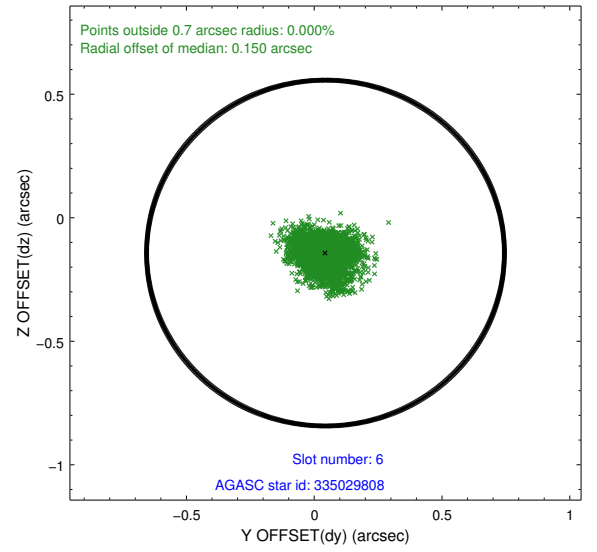
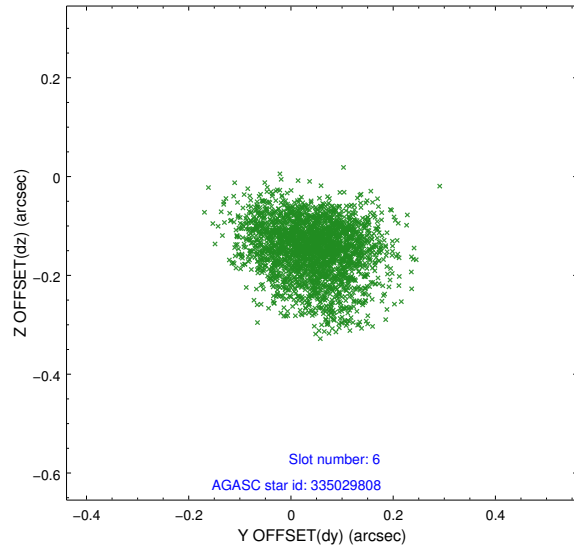
## 2.4.2 Slot 4



### 2.4.3 Slot 5

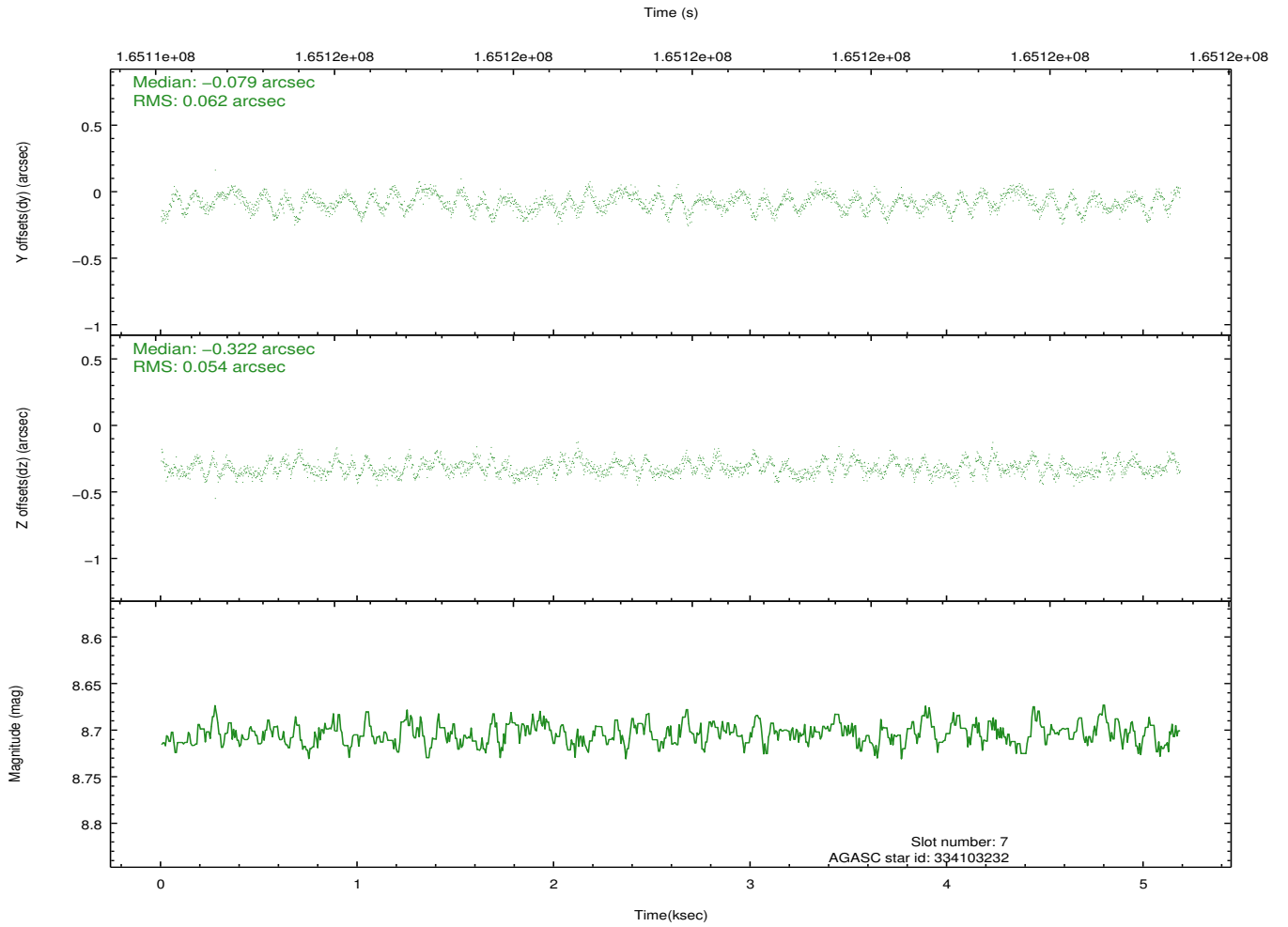
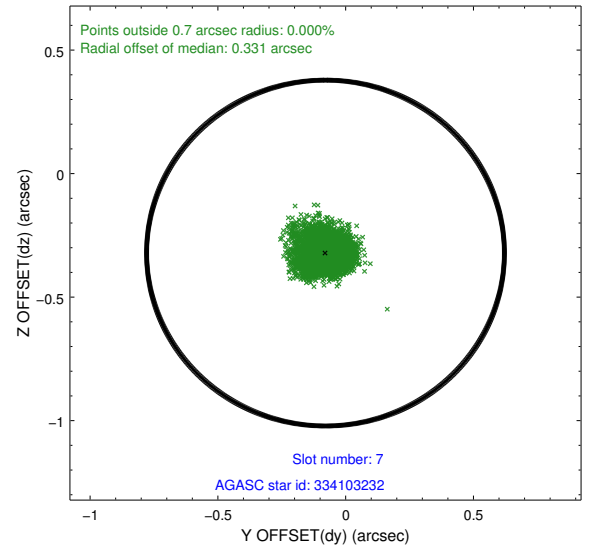
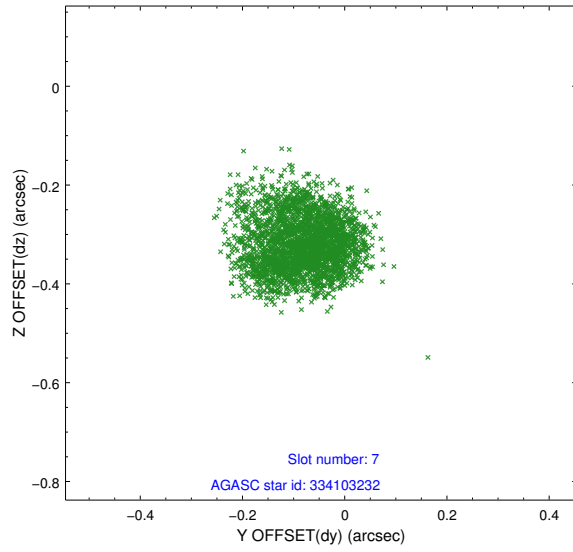


## 2.4.4 Slot 6



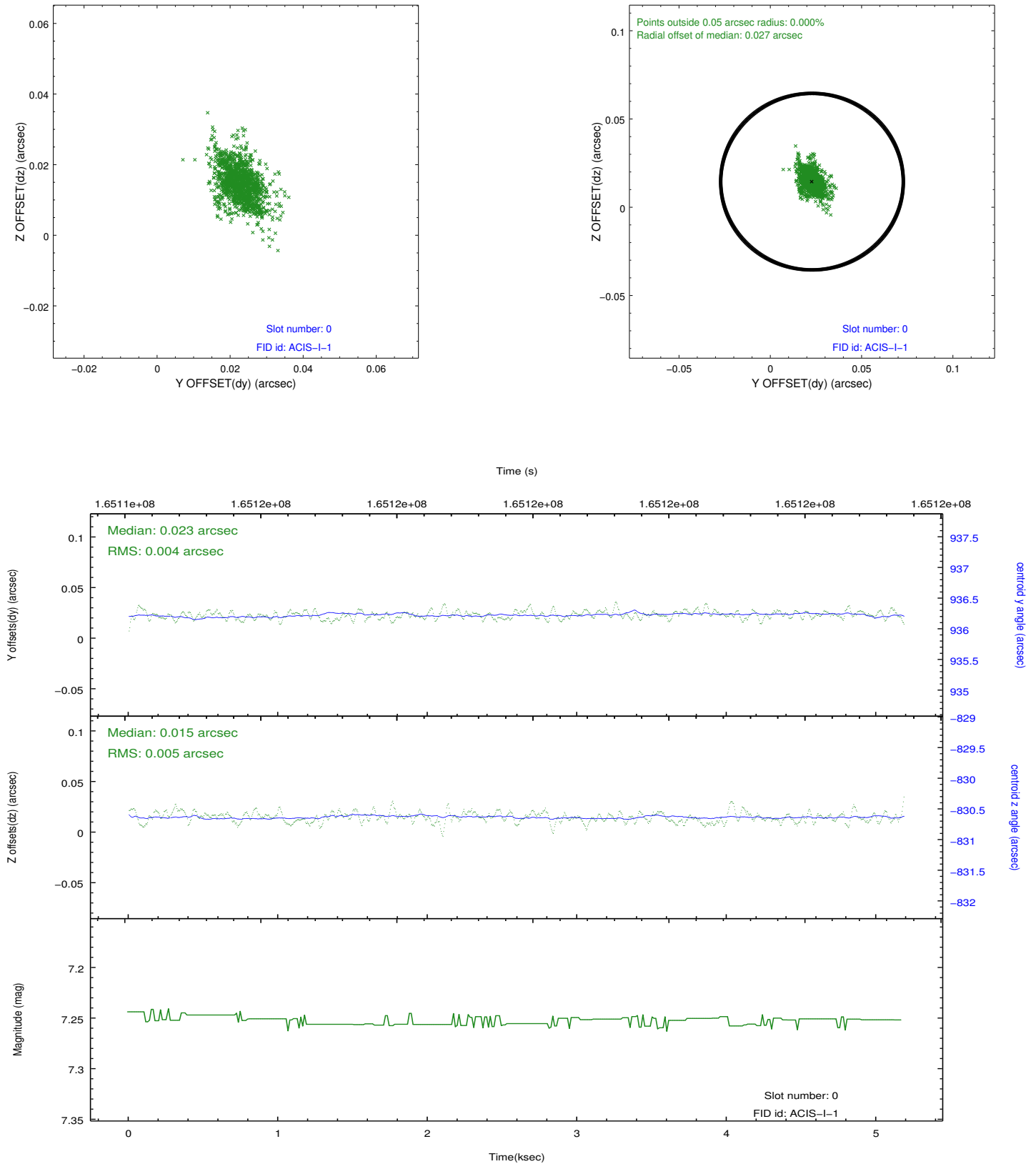


## 2.4.5 Slot 7

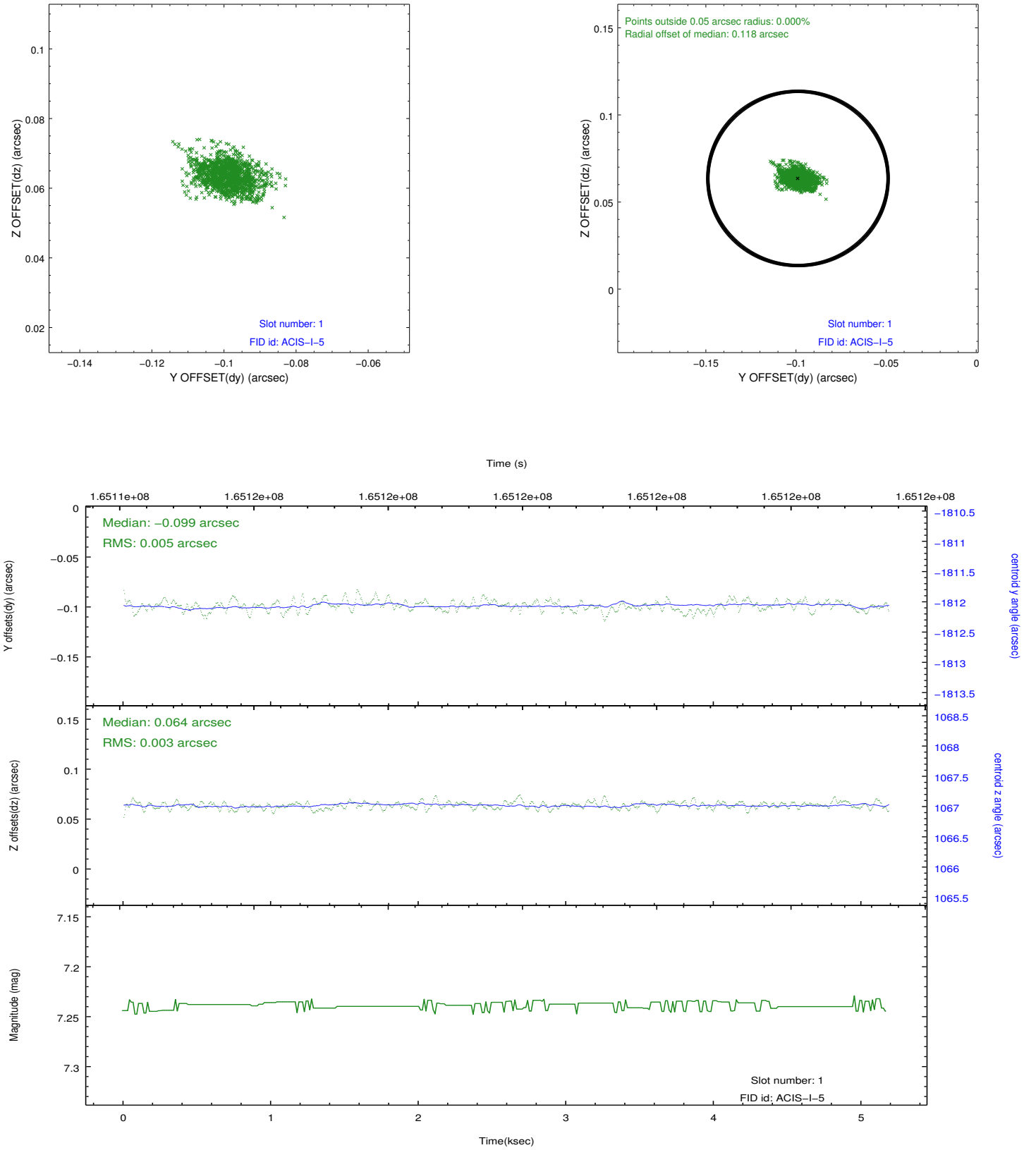


## 2.5 FID Slots

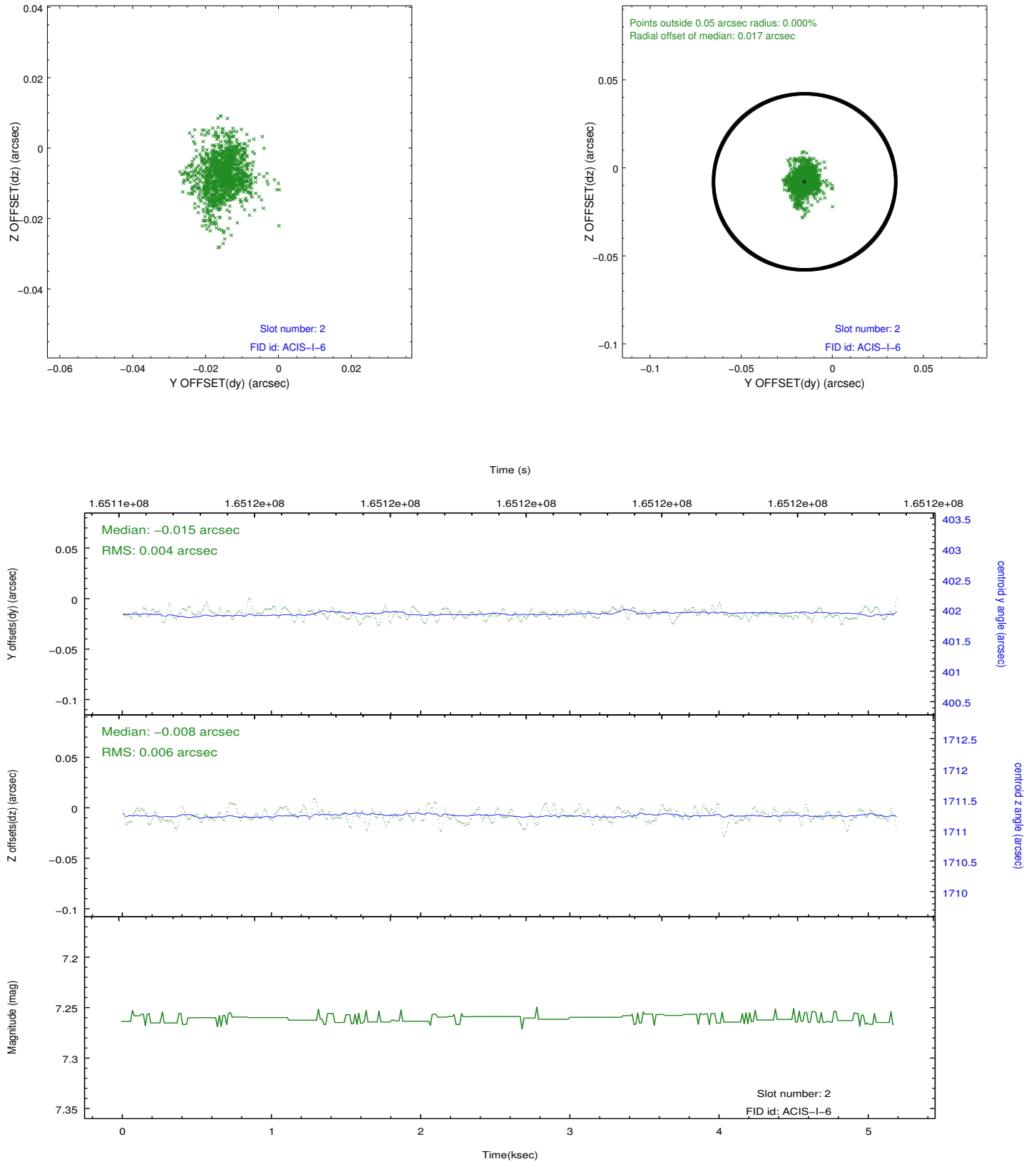
### 2.5.1 Slot 0



## 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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

### A.2 Comments