

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4237 - L2 Version 3  
Chandra X-Ray Center

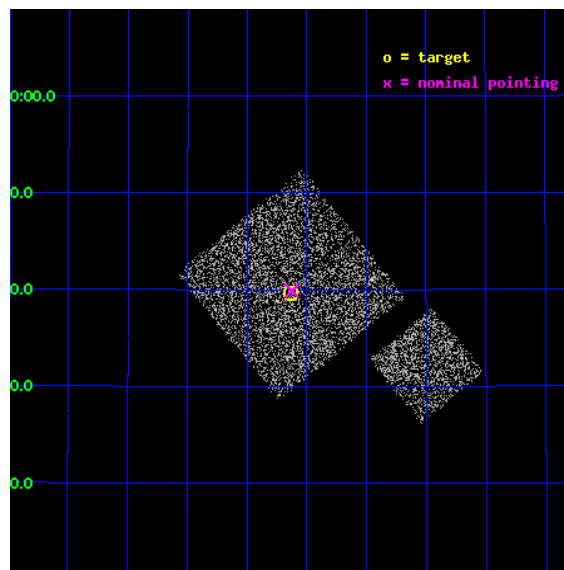
L2 Processing Date : Oct 25 2012

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# 1 Front

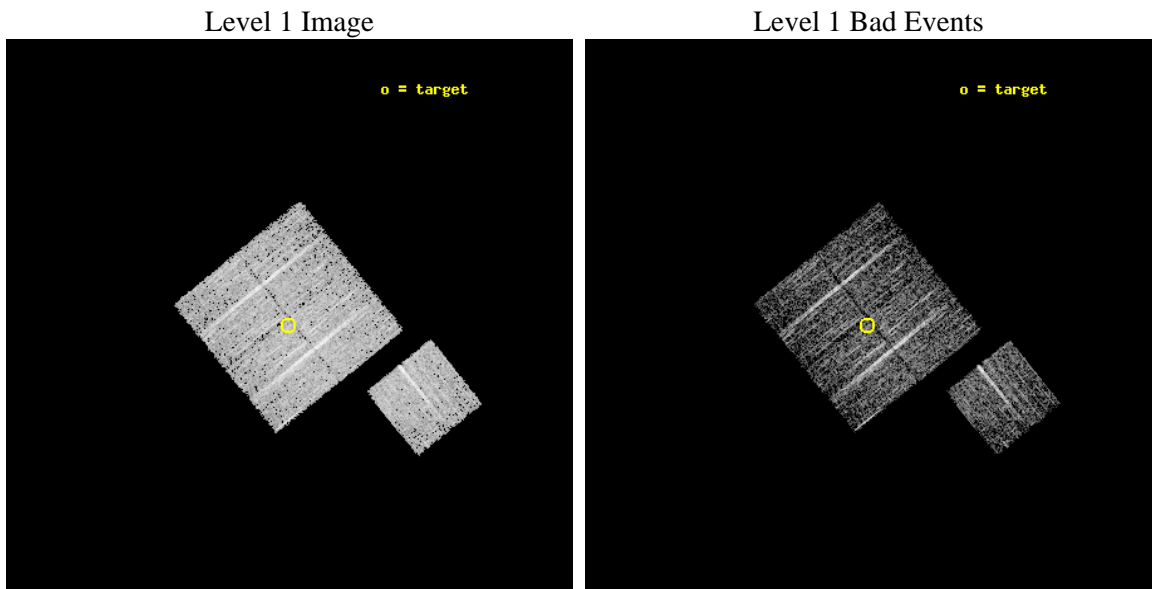
seq_num	900280	Sequence number
obs_id	4237	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.034014	Observer's specified target RA [deg]
dec_targ	33.660612	Observer's specified target Dec [deg]
ra_nom	218.03135234422	Nominal RA [deg]
dec_nom	33.664623223772	Nominal Dec [deg]
roll_nom	141.01017017671	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.188628763	Sum of GTIs [s]
livetime	4613.1169132406	Livetime [s]
ontime0	4674.0655286908	Sum of GTIs [s]
ontime1	4674.1065487564	Sum of GTIs [s]
ontime2	4674.1476086974	Sum of GTIs [s]
ontime3	4674.188628763	Sum of GTIs [s]
ontime6	4674.0244687498	Sum of GTIs [s]
l2events	9135	Number of level 2 events



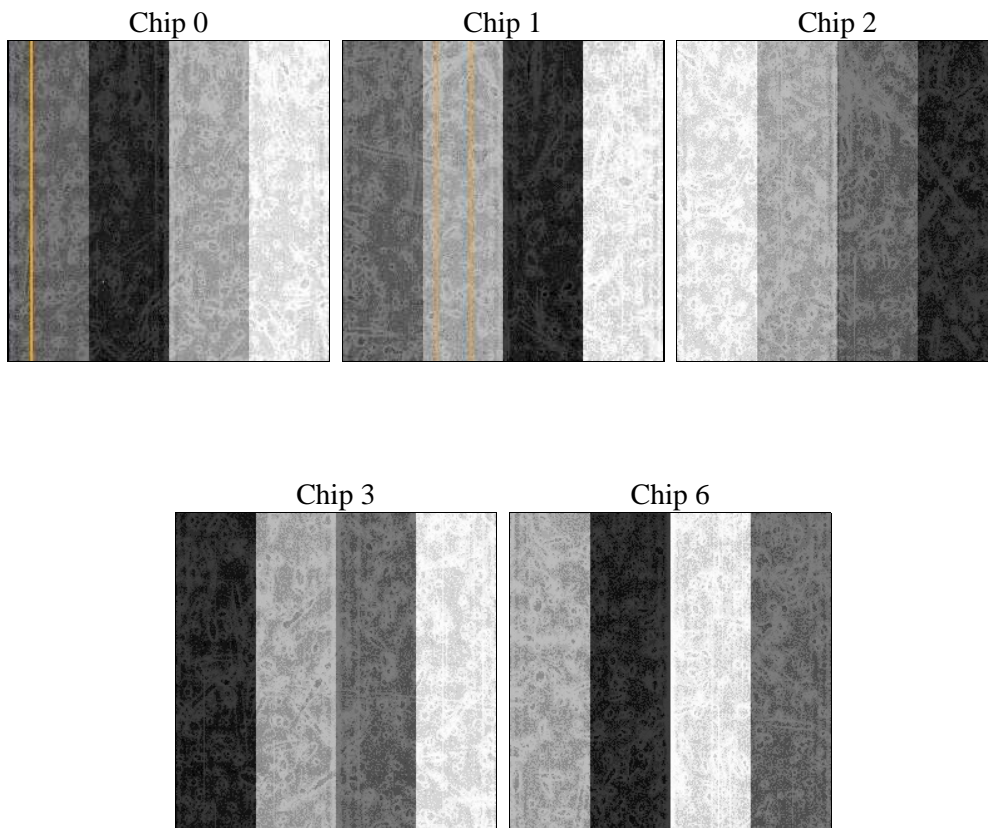
## 2 OBI

### 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	4674.188628763	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4674.0655286908	Sum of GTIs [s]
date	2012-10-25T22:48:32	Date and time of file creation	ontime1	4674.1065487564	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4674.1476086974	Sum of GTIs [s]
			ontime3	4674.188628763	Sum of GTIs [s]
			ontime6	4674.0244687498	Sum of GTIs [s]
			l1events	117617	Number of level 1 events

### 2.1.4 Events

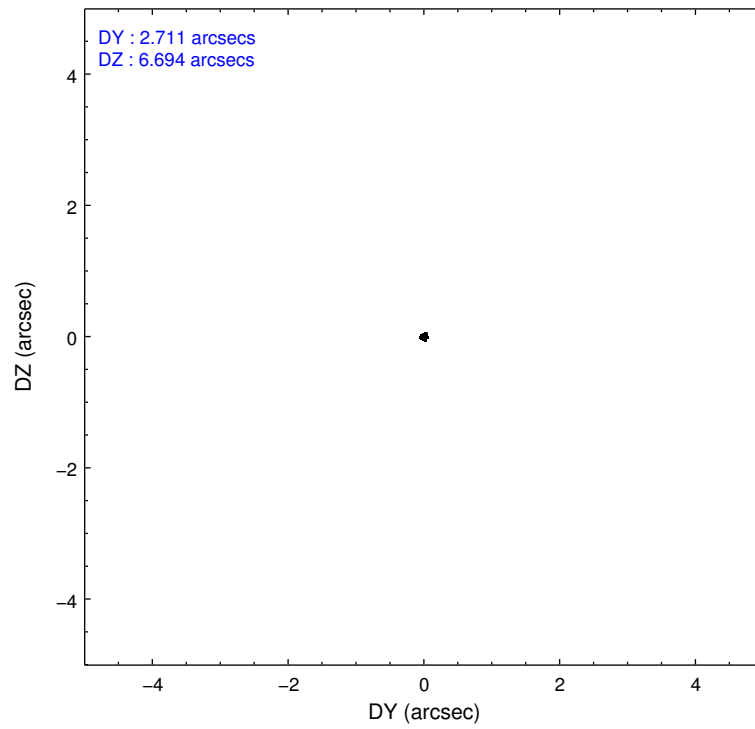
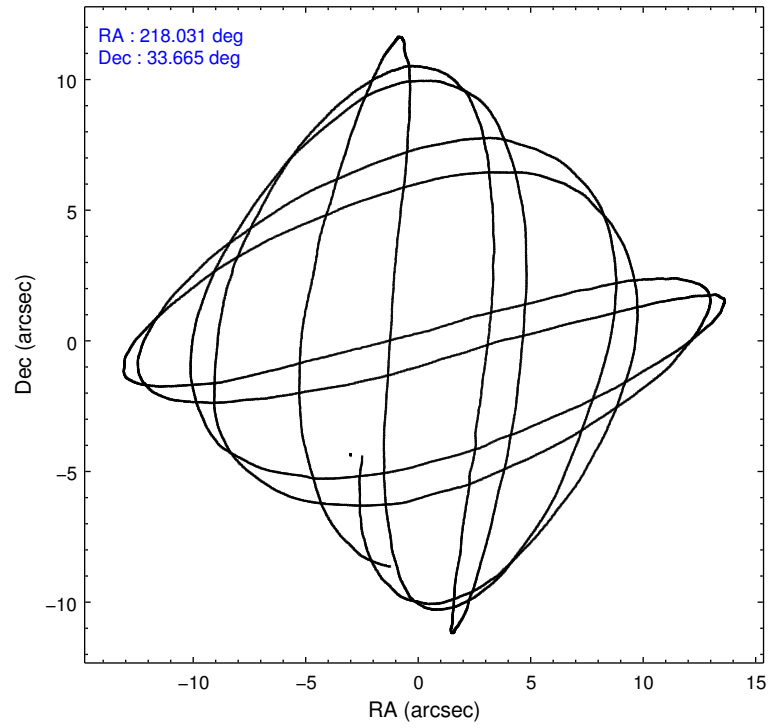
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	20652	22457	25742	24812	23954
rejected events	18575	20023	23387	22688	21680
rejected %	89%	89%	90%	91%	90%

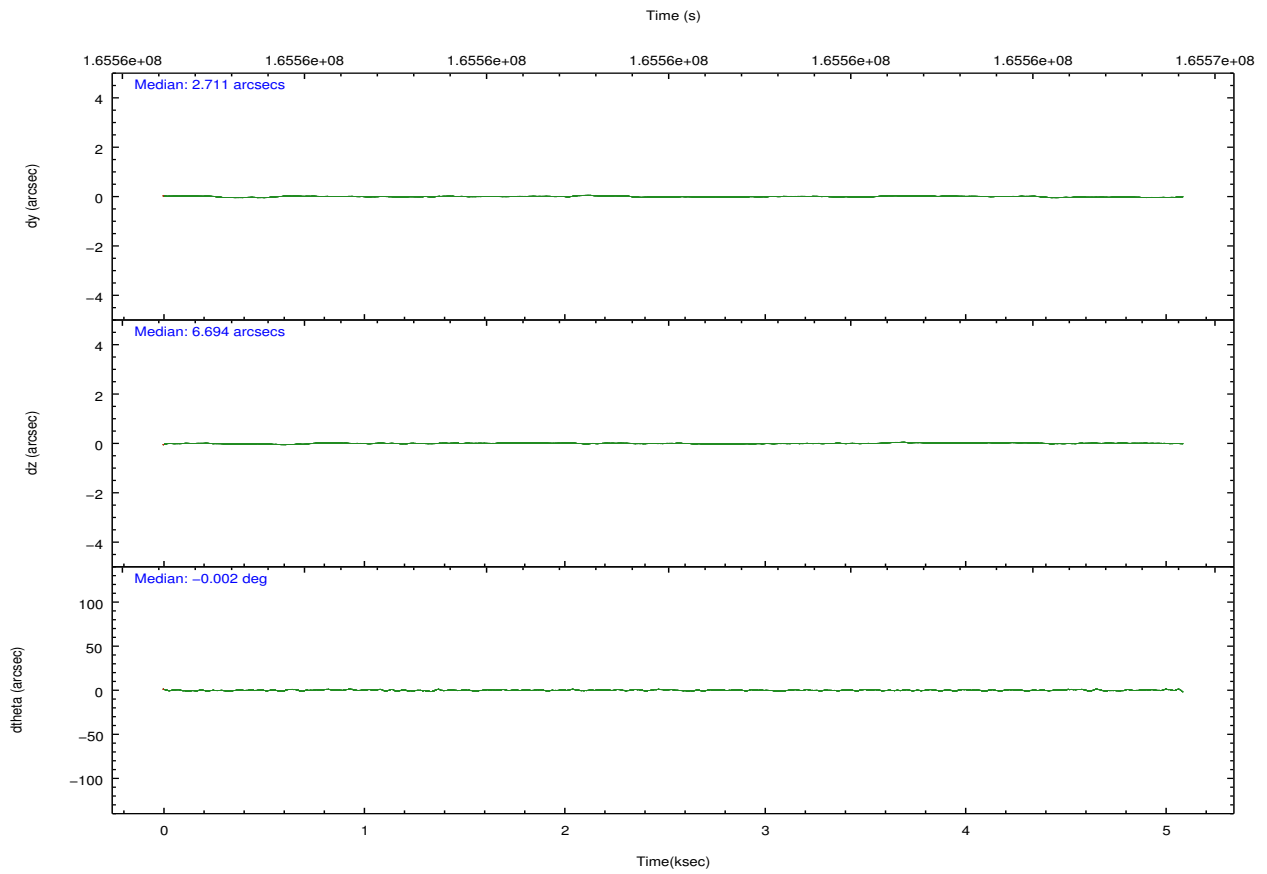
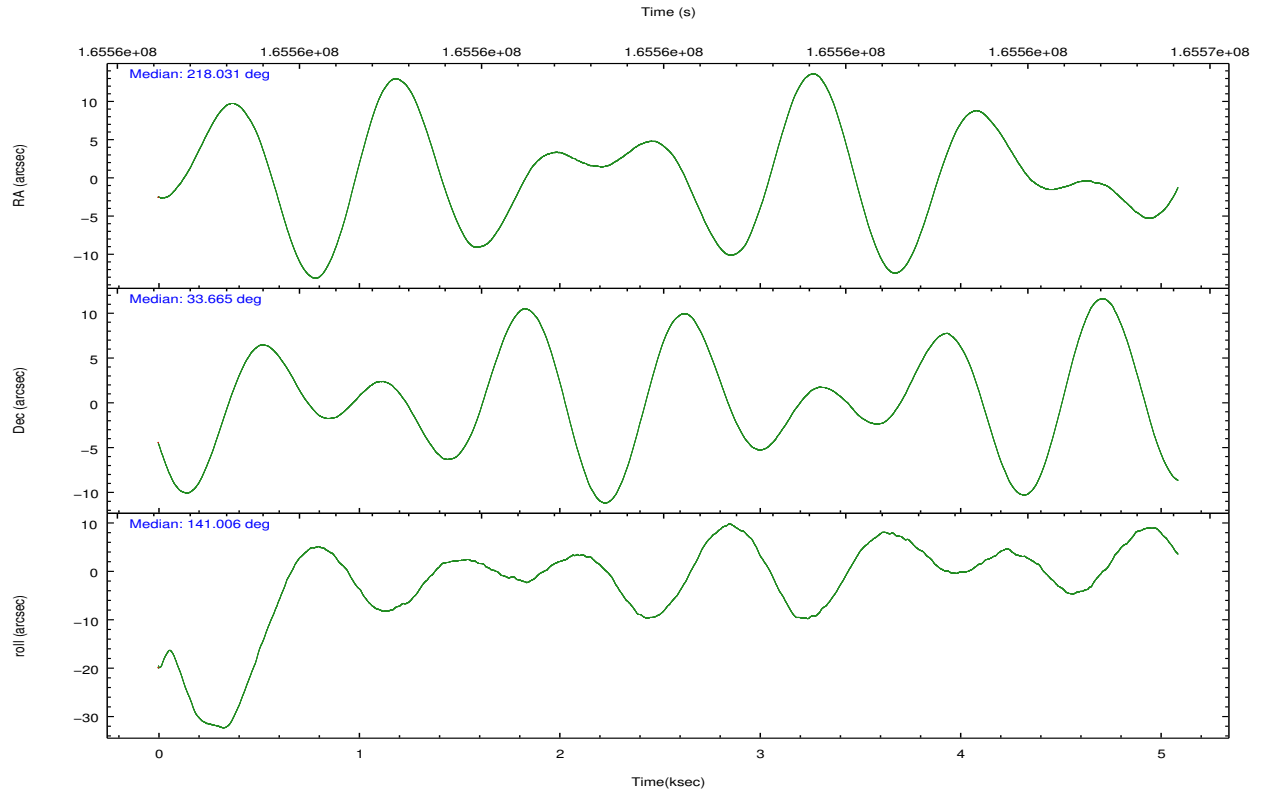
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	728	831	975	761	835
	3%	3%	3%	3%	3%
grade 1 events	7	13	15	15	4
	0%	0%	0%	0%	0%
grade 2 events	473	513	470	467	496
	2%	2%	1%	1%	2%
grade 3 events	249	287	264	268	255
	1%	1%	1%	1%	1%
grade 4 events	220	312	285	227	268
	1%	1%	1%	0%	1%
grade 5 events	660	759	643	766	793
	3%	3%	2%	3%	3%
grade 6 events	410	491	364	404	424
	1%	2%	1%	1%	1%
grade 7 events	17905	19251	22726	21904	20879
	86%	85%	88%	88%	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	218.063908	218.0313523442151	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.660533	33.6646232237723	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783433	141.0101701767141	[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)	165560664.184000	165560287.7821			
Observation start date	2003-04-01T05:03:20	2003-04-01T04:58:07			
[s] Observation end time (MET)	165565564.184000	165565697.73232			
Observation end date	2003-04-01T06:25:00	2003-04-01T06:28:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



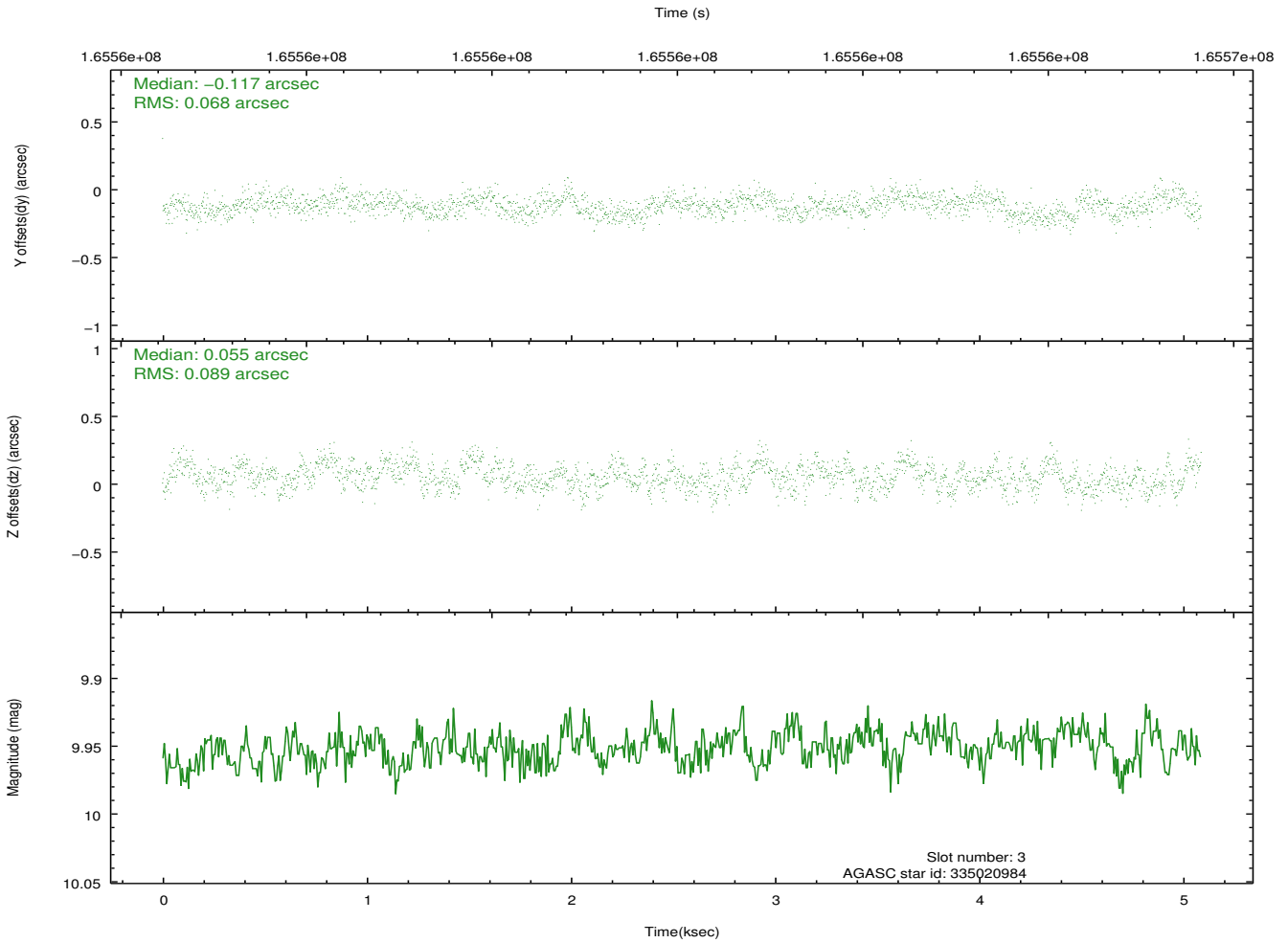
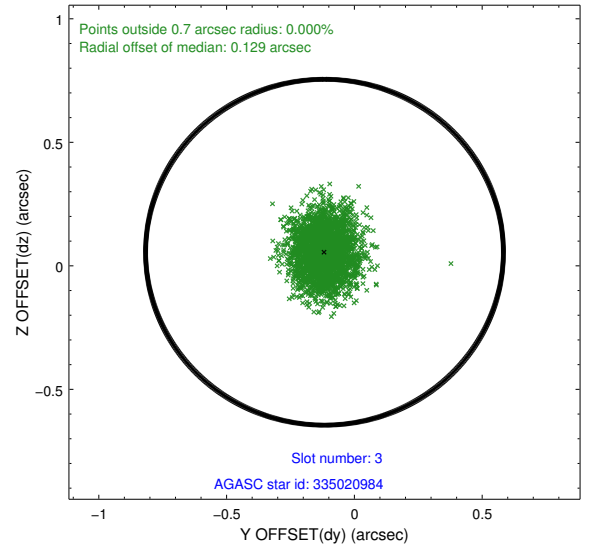
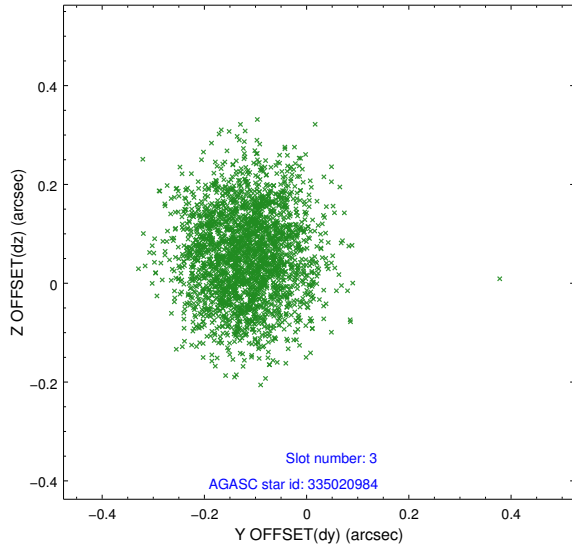


### Slot Statistics

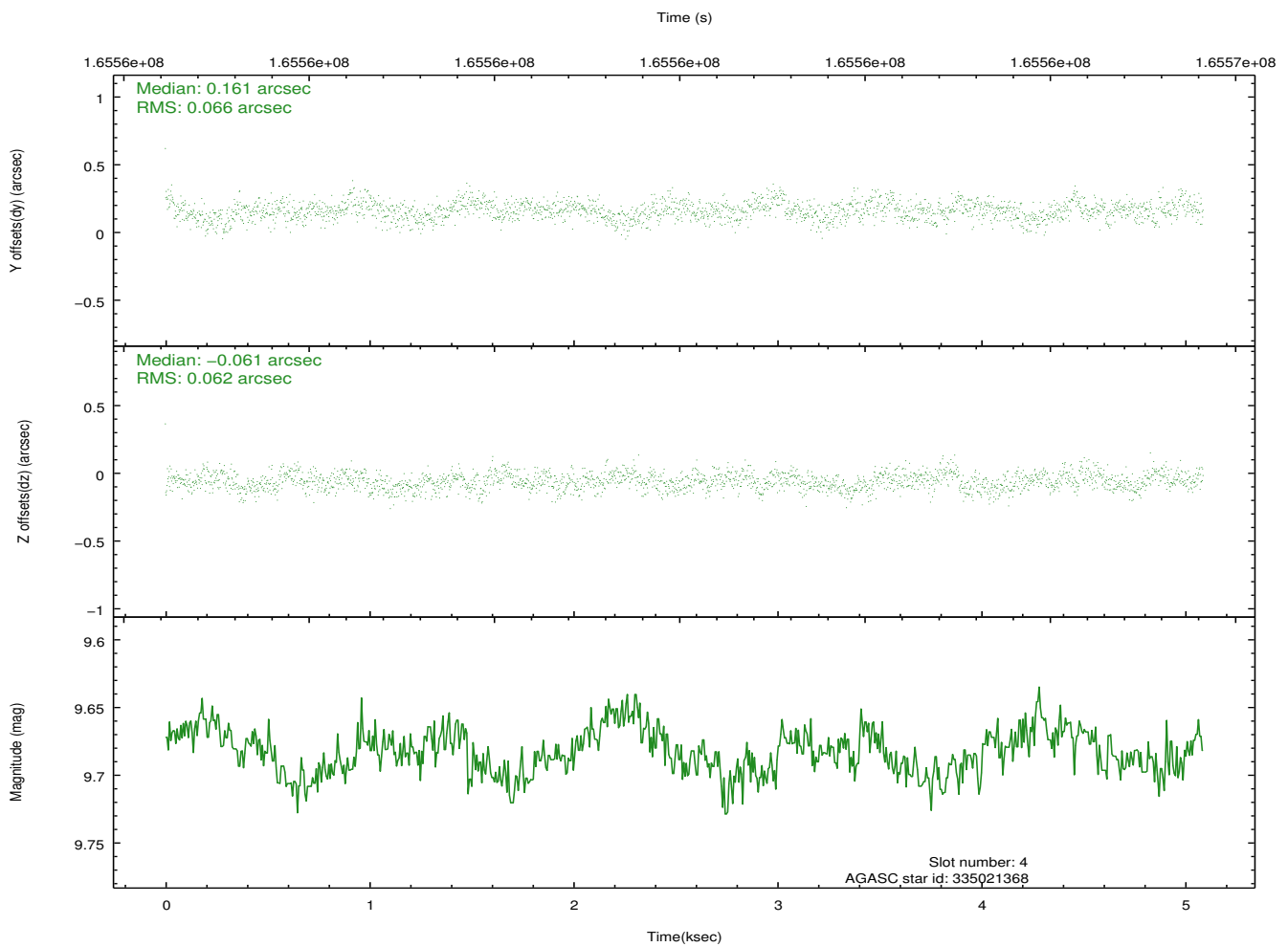
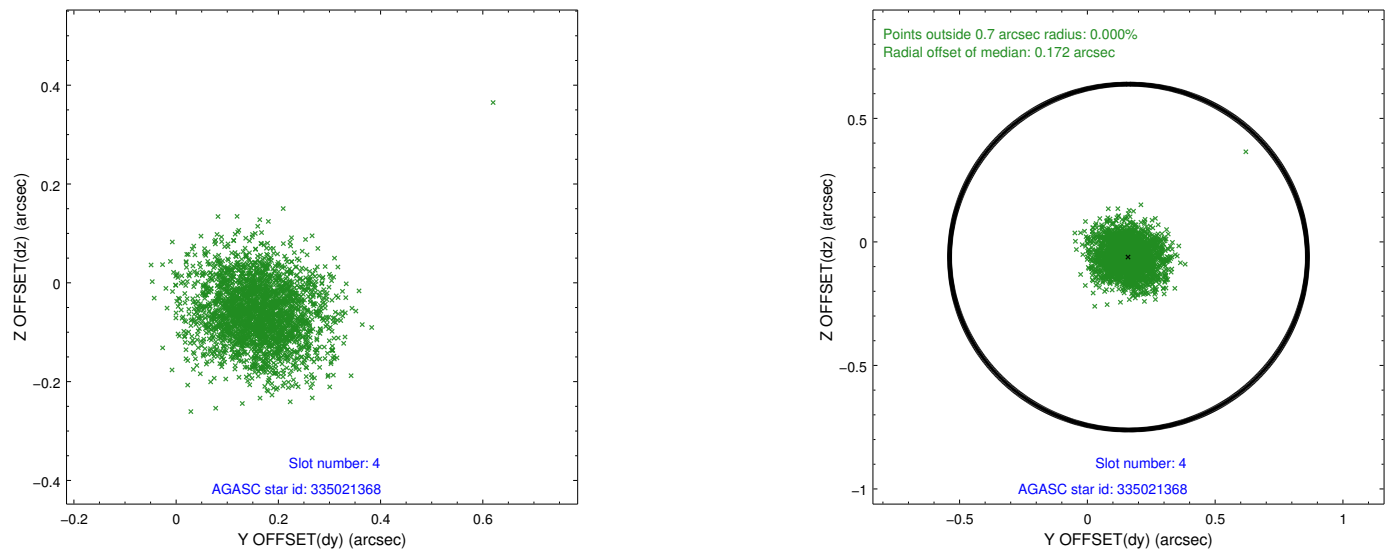
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1242	-0.013	0.019	0.008	0.014	0.000000	0.000000	937.08	-830.06
1	FID	ACIS-I-2	7.15	1241	0.011	-0.069	0.009	0.017	0.000000	0.000000	-756.32	-837.18
2	FID	ACIS-I-5	7.24	1242	-0.089	0.122	0.007	0.015	0.000000	0.000000	-1811.80	1066.94
3	GUIDE	335020984	9.95	2479	-0.117	0.055	0.119	0.191	218.841668	33.815112	-1444.21	-1909.01
4	GUIDE	335021368	9.68	2479	0.161	-0.061	0.095	0.159	217.529643	33.934817	1863.05	239.98
5	GUIDE	335027640	9.11	2483	0.003	0.033	0.073	0.119	218.092211	33.193770	-1127.58	1247.94
6	GUIDE	335028696	9.22	2480	0.041	0.115	0.103	0.161	217.260519	33.844112	2284.58	1000.27
7	GUIDE	335029384	8.50	2481	-0.079	-0.141	0.071	0.114	217.848061	33.088477	-796.47	2006.83

## 2.4 Star Slots

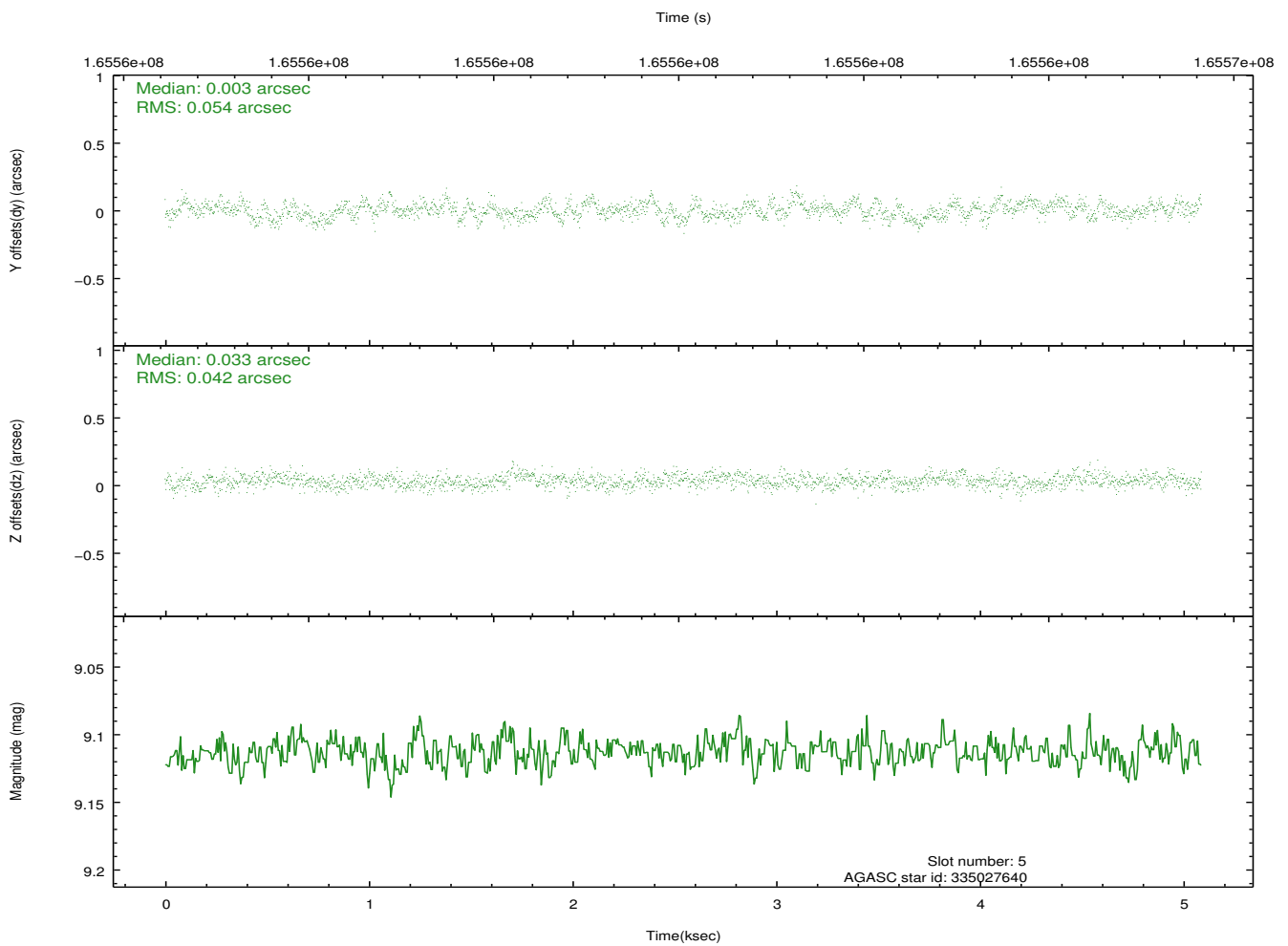
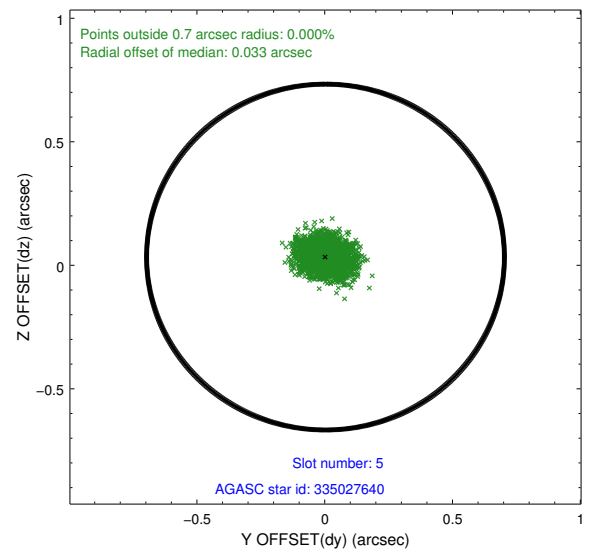
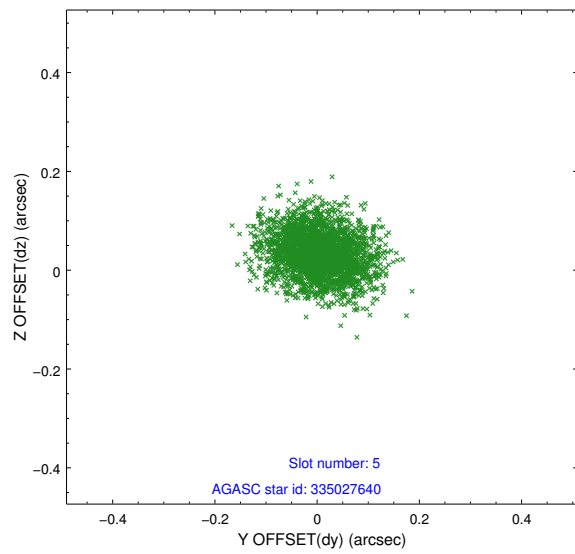
### 2.4.1 Slot 3



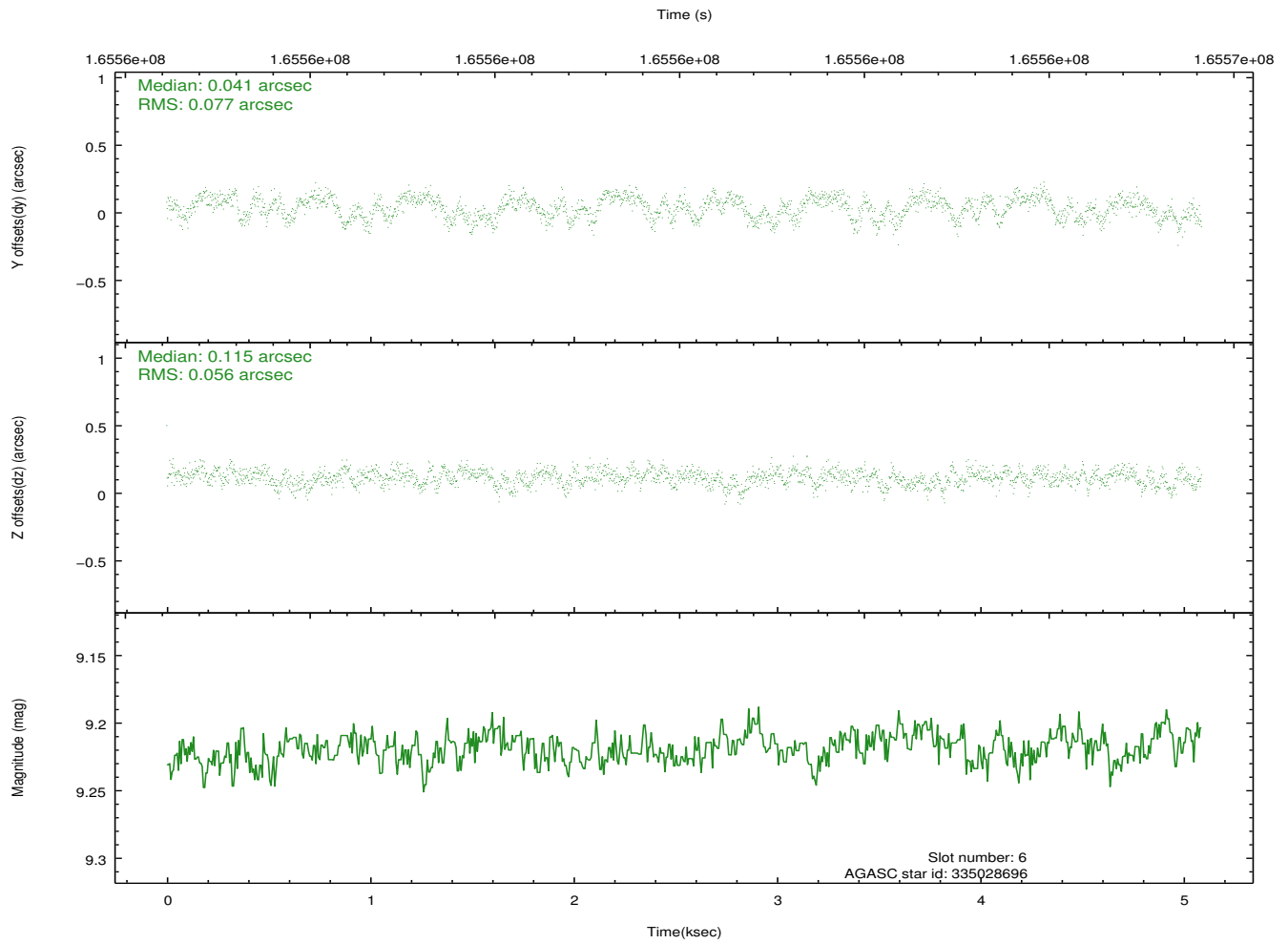
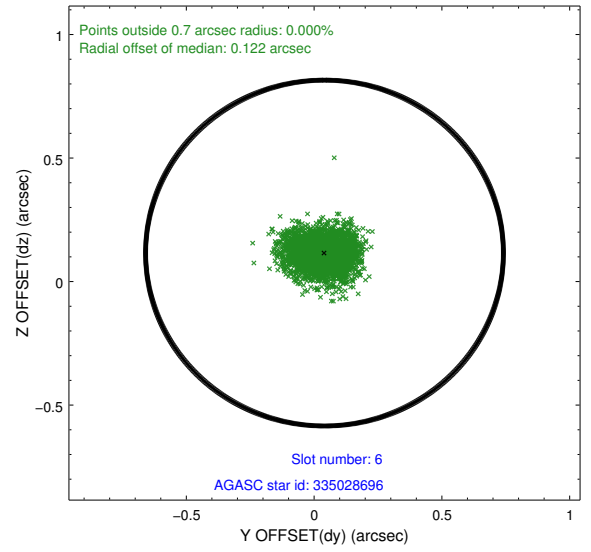
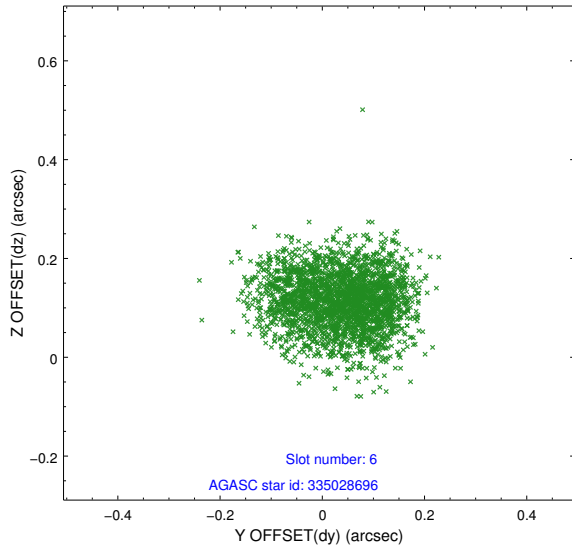
## 2.4.2 Slot 4



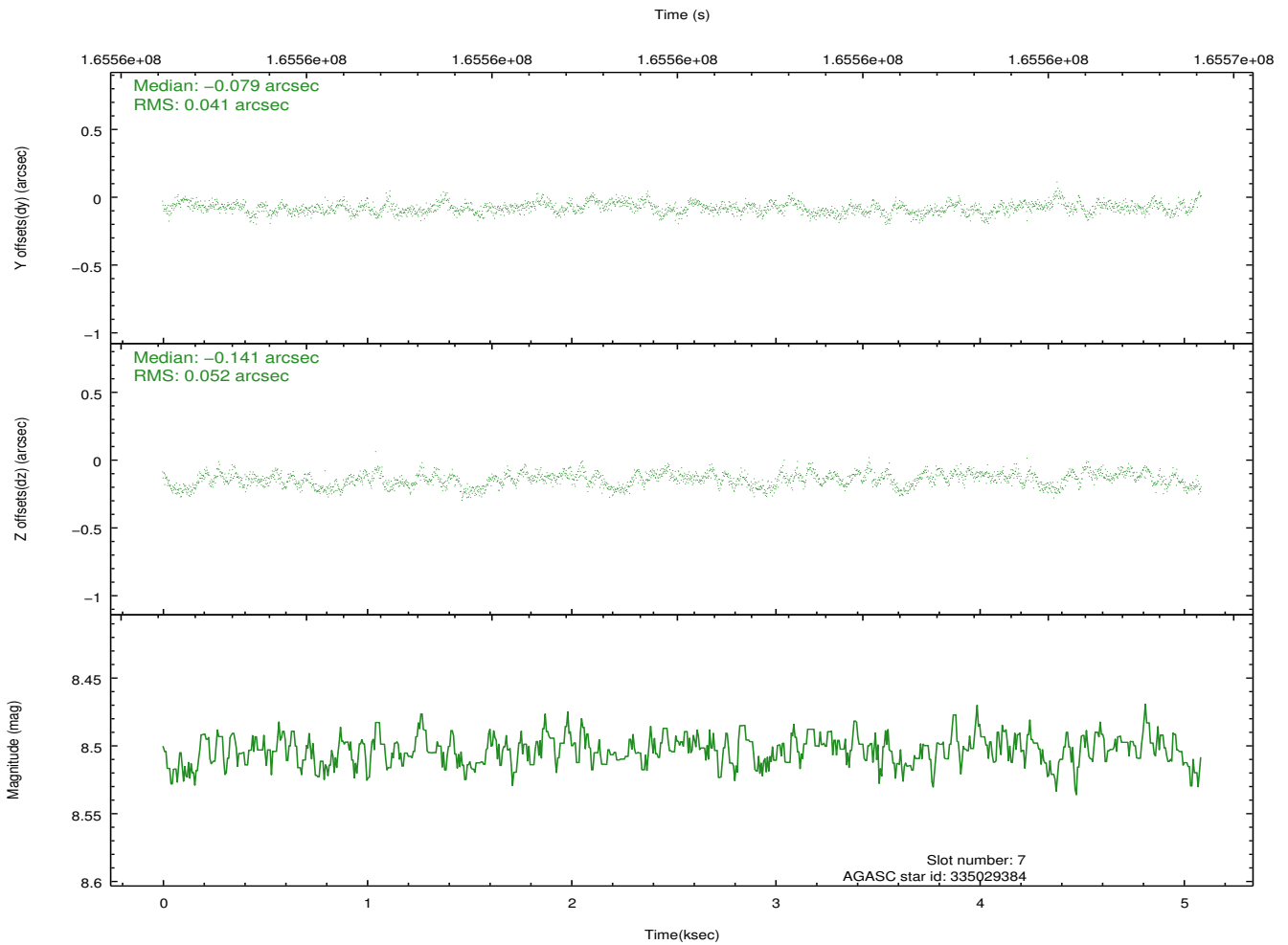
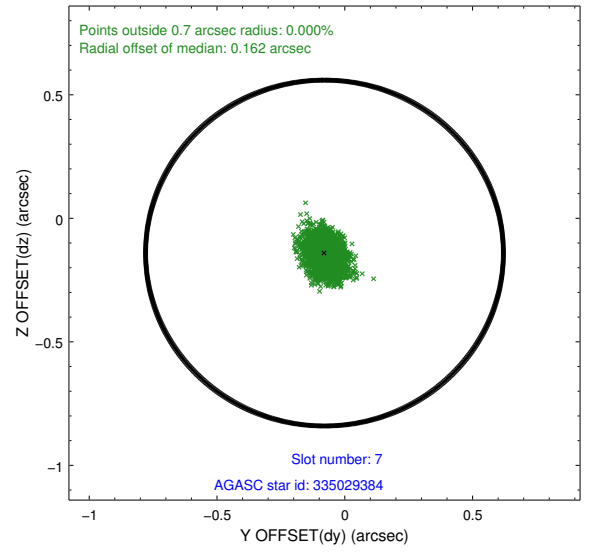
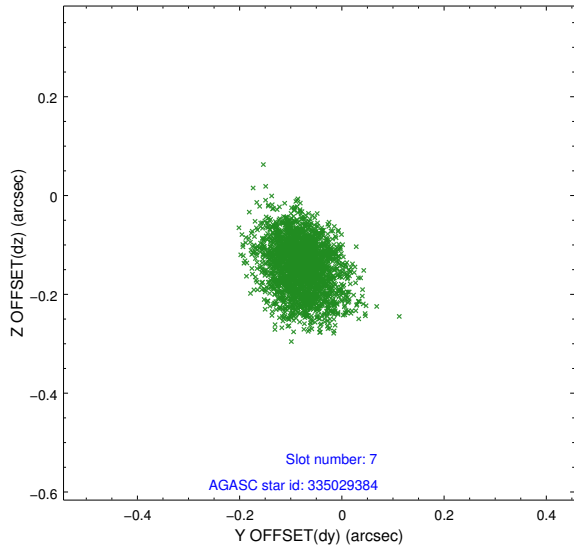
### 2.4.3 Slot 5



## 2.4.4 Slot 6

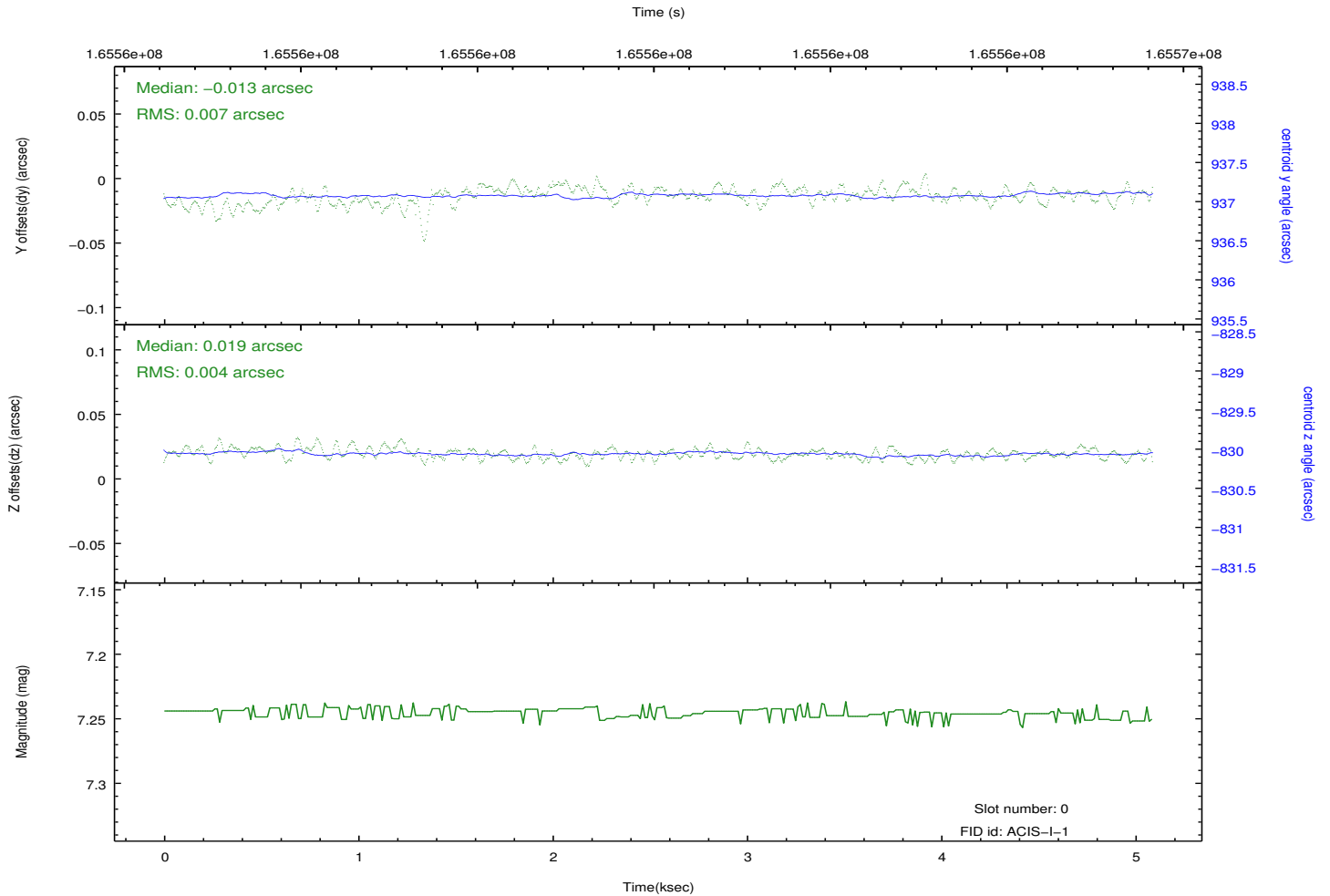
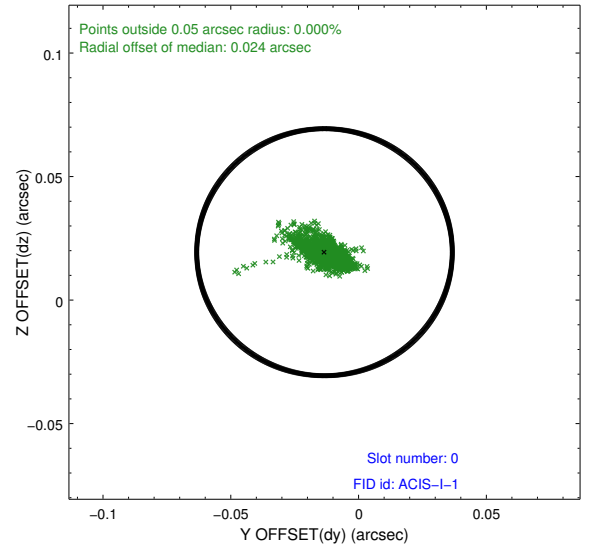
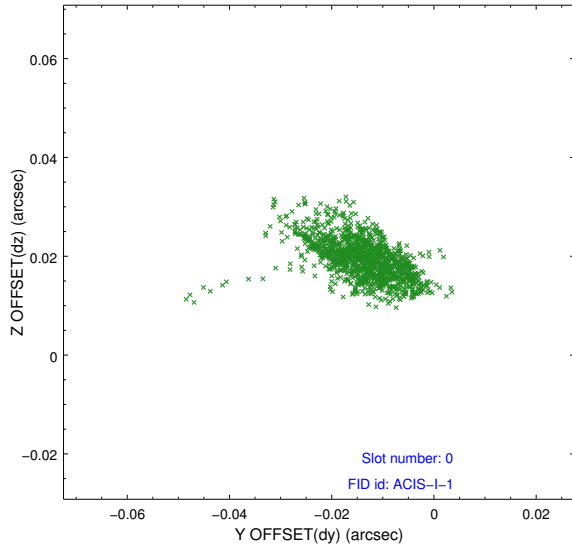


### 2.4.5 Slot 7

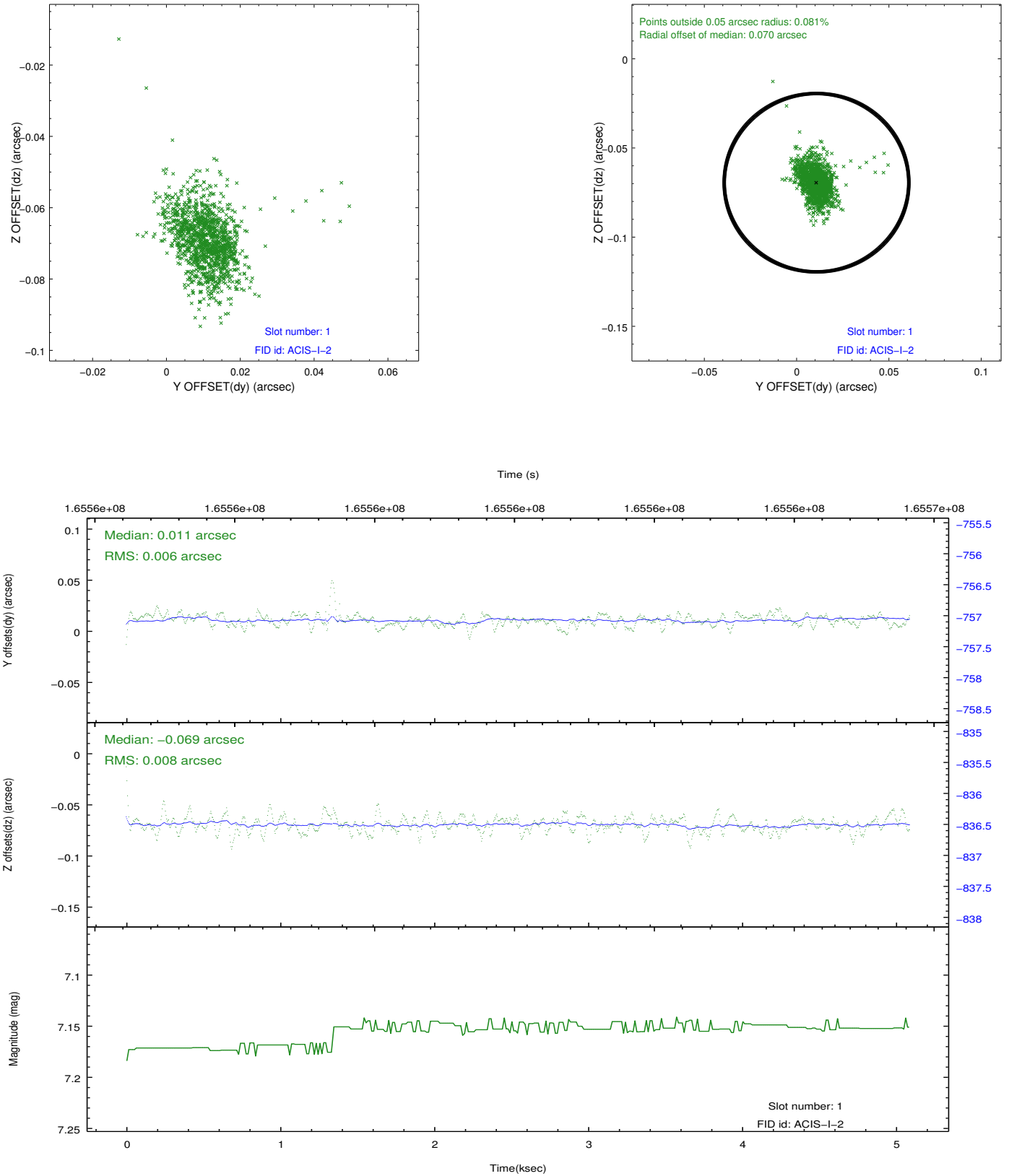


## 2.5 FID Slots

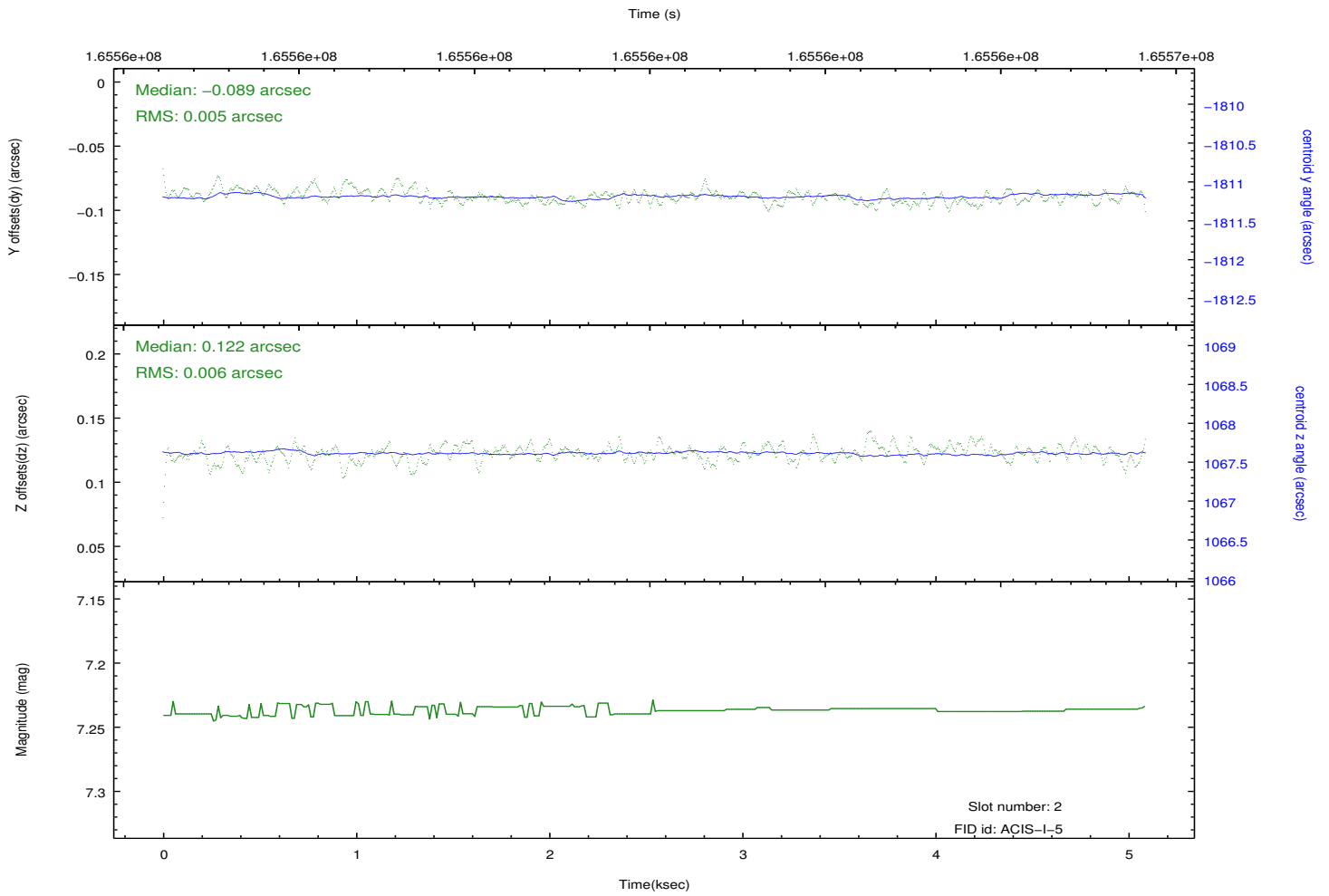
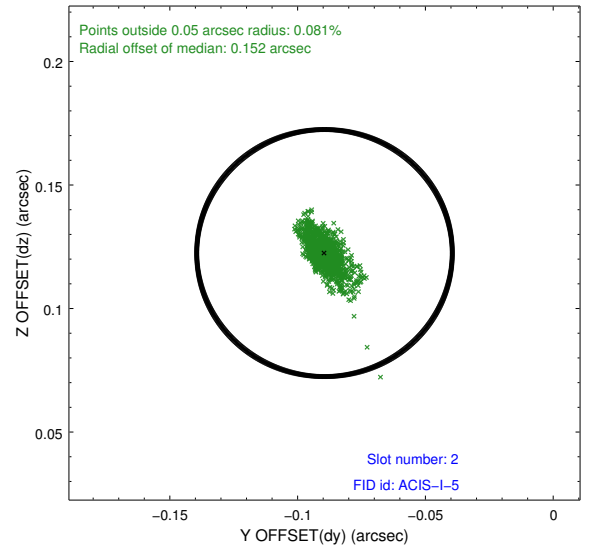
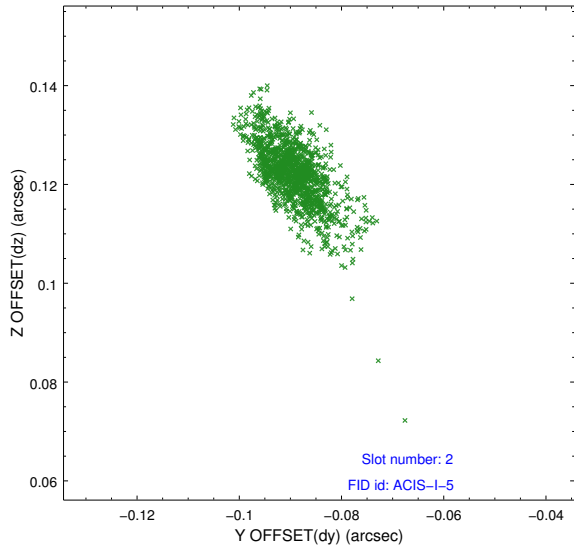
### 2.5.1 Slot 0



## 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