

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4265 - L2 Version 3  
Chandra X-Ray Center

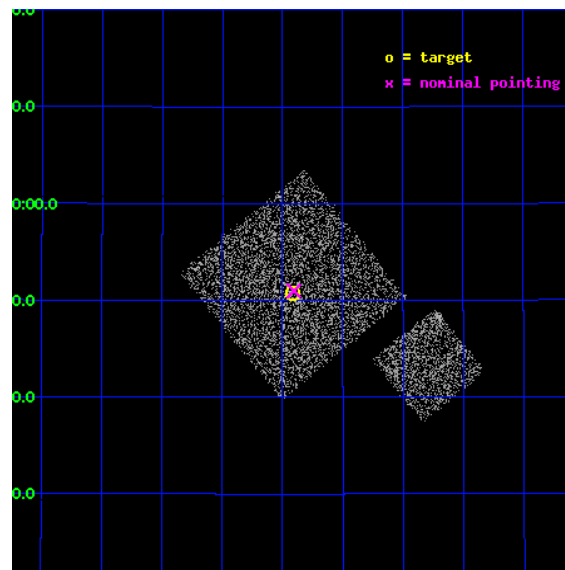
L2 Processing Date : Oct 25 2012

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# 1 Front

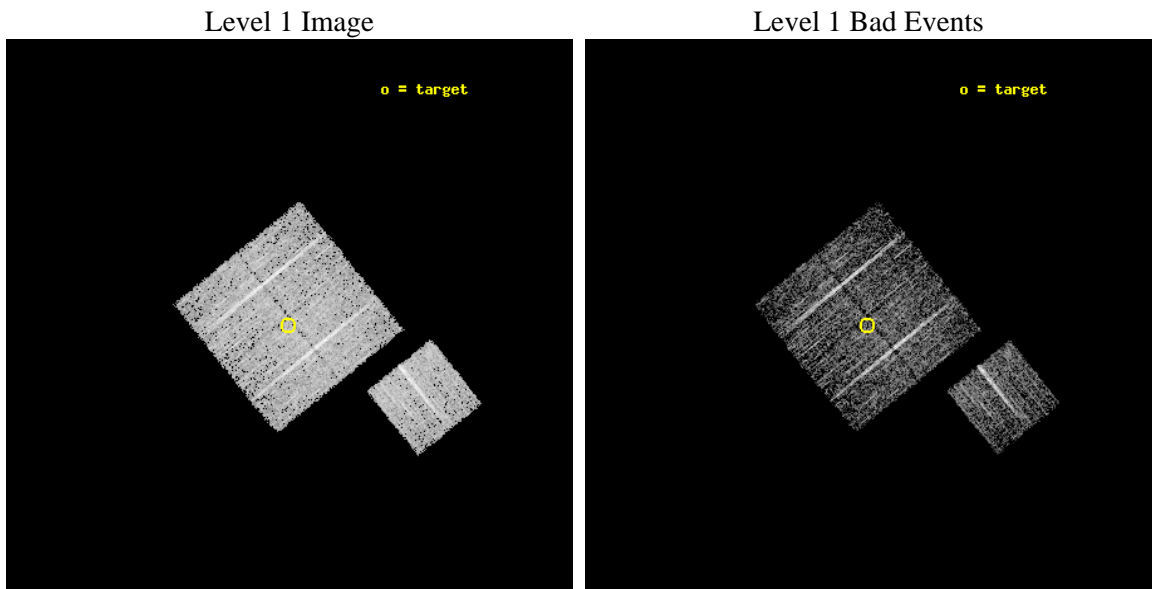
seq_num	900308	Sequence number
obs_id	4265	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS32	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.604097	Observer's specified target RA [deg]
dec_targ	32.845836	Observer's specified target Dec [deg]
ra_nom	217.60146051558	Nominal RA [deg]
dec_nom	32.84984637216	Nominal Dec [deg]
roll_nom	141.01012712922	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.7999909818	Sum of GTIs [s]
livetime	4613.720287562	Livetime [s]
ontime0	4674.7999909818	Sum of GTIs [s]
ontime1	4671.6590107381	Sum of GTIs [s]
ontime2	4674.7999909818	Sum of GTIs [s]
ontime3	4674.7999909818	Sum of GTIs [s]
ontime6	4674.7876722217	Sum of GTIs [s]
l2events	9171	Number of level 2 events



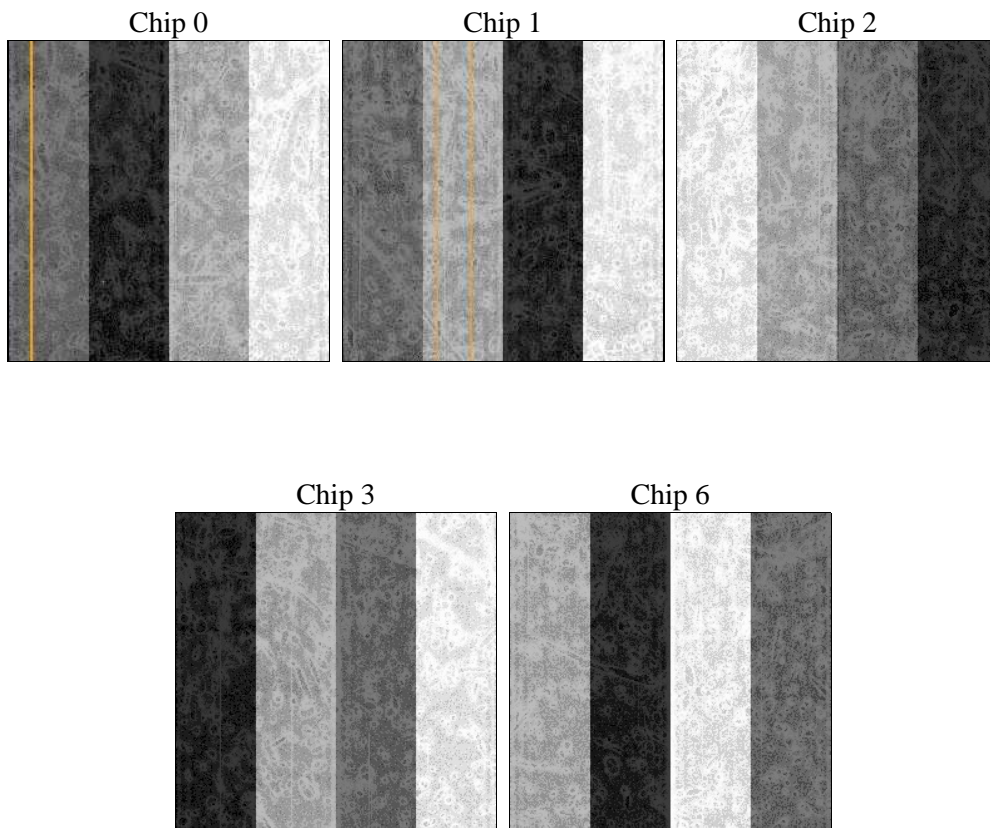
## 2 OBI

### 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	4674.7999909818	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4674.7999909818	Sum of GTIs [s]
date	2012-10-25T15:31:44	Date and time of file creation	ontime1	4671.6590107381	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4674.7999909818	Sum of GTIs [s]
			ontime3	4674.7999909818	Sum of GTIs [s]
			ontime6	4674.7876722217	Sum of GTIs [s]
			l1events	110142	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	20418	21870	22809	21596	23449
rejected events	18200	19530	20639	19579	21101
rejected %	89%	89%	90%	90%	89%

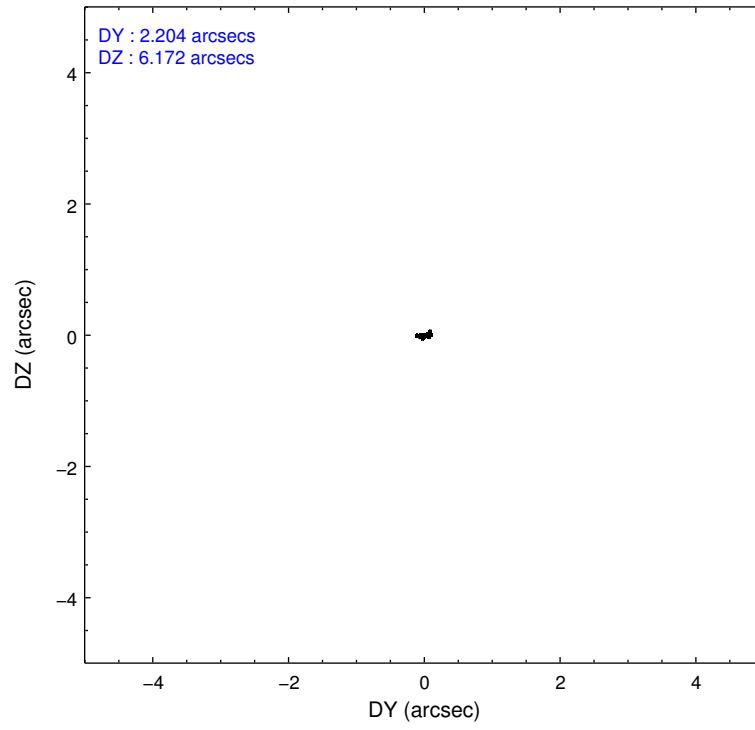
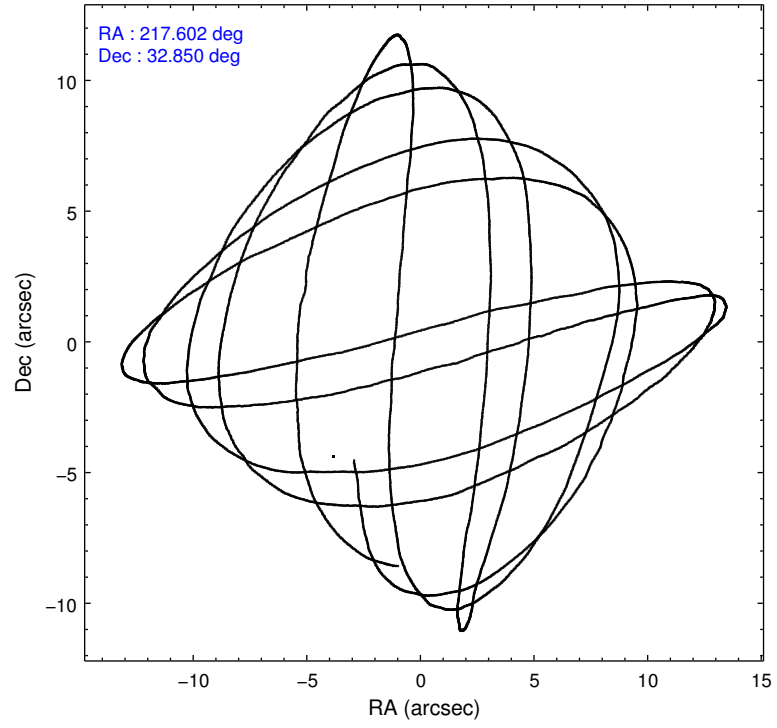
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	807	843	814	758	866
	3%	3%	3%	3%	3%
grade 1 events	12	14	11	15	7
	0%	0%	0%	0%	0%
grade 2 events	484	497	470	411	465
	2%	2%	2%	1%	1%
grade 3 events	260	287	261	247	286
	1%	1%	1%	1%	1%
grade 4 events	250	284	259	219	281
	1%	1%	1%	1%	1%
grade 5 events	645	750	619	723	742
	3%	3%	2%	3%	3%
grade 6 events	418	433	371	384	451
	2%	1%	1%	1%	1%
grade 7 events	17542	18762	20004	18839	20351
	85%	85%	87%	87%	86%

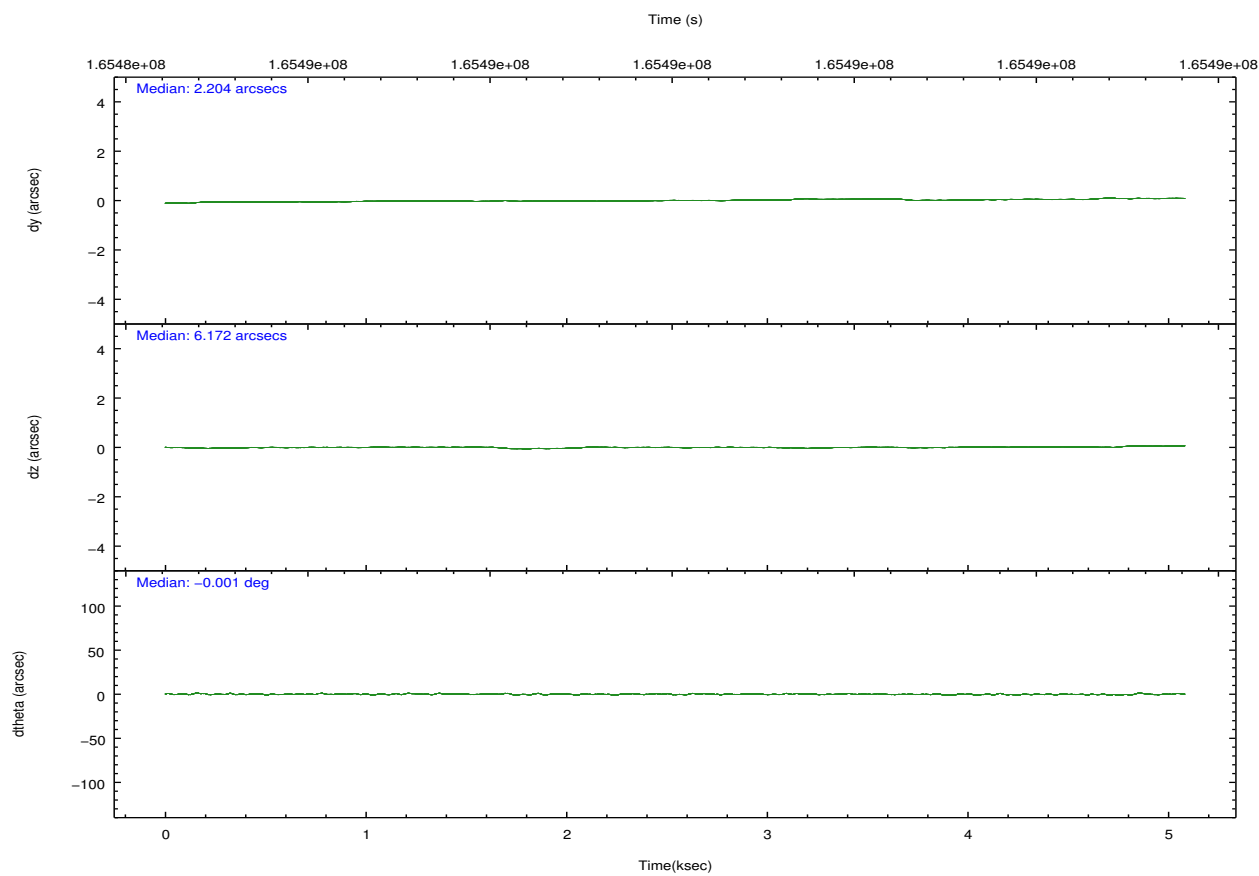
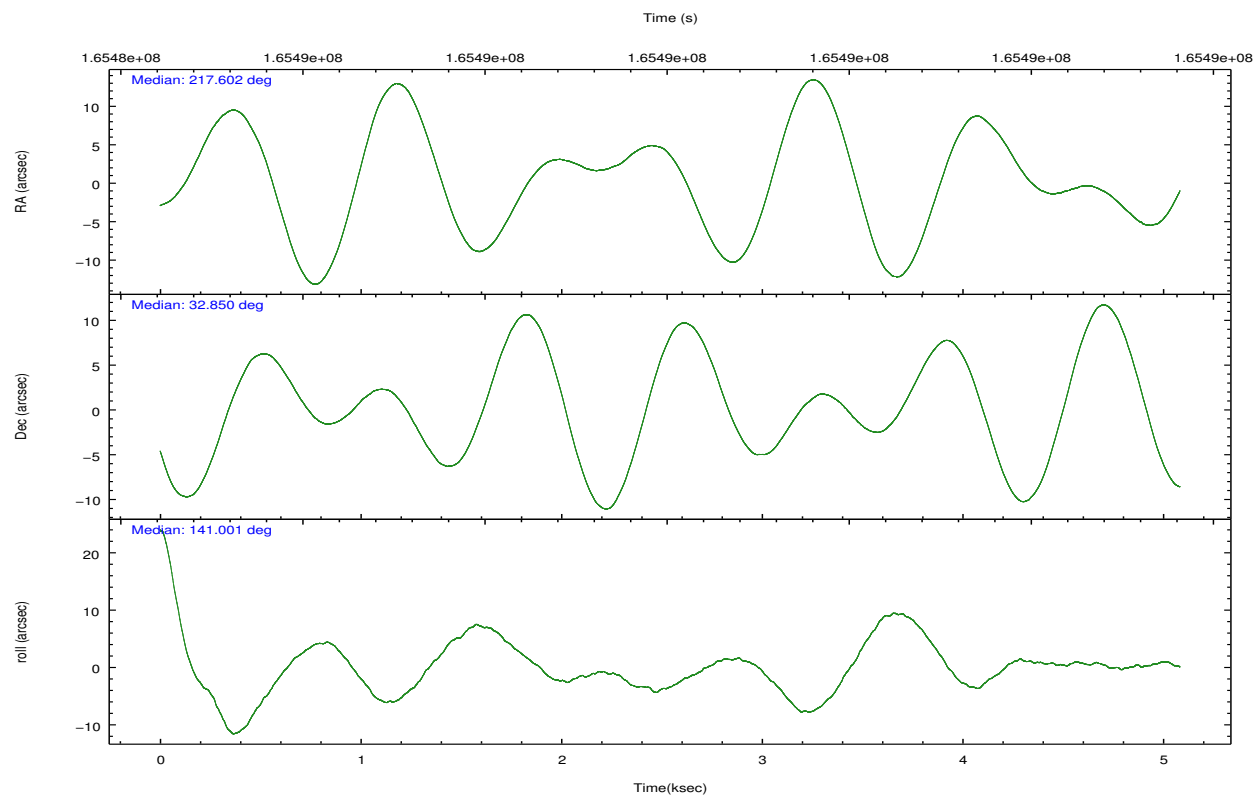


## 2.2 Compared Parameters

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	217.633717	217.6014605155843	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.845749	32.84984637216019	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783935	141.0101271292208	[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)	165485654.184000	165485278.27893			
Observation start date	2003-03-31T08:13:10	2003-03-31T08:07:58			
[s] Observation end time (MET)	165490554.184000	165490688.22916			
Observation end date	2003-03-31T09:34:50	2003-03-31T09:38:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect



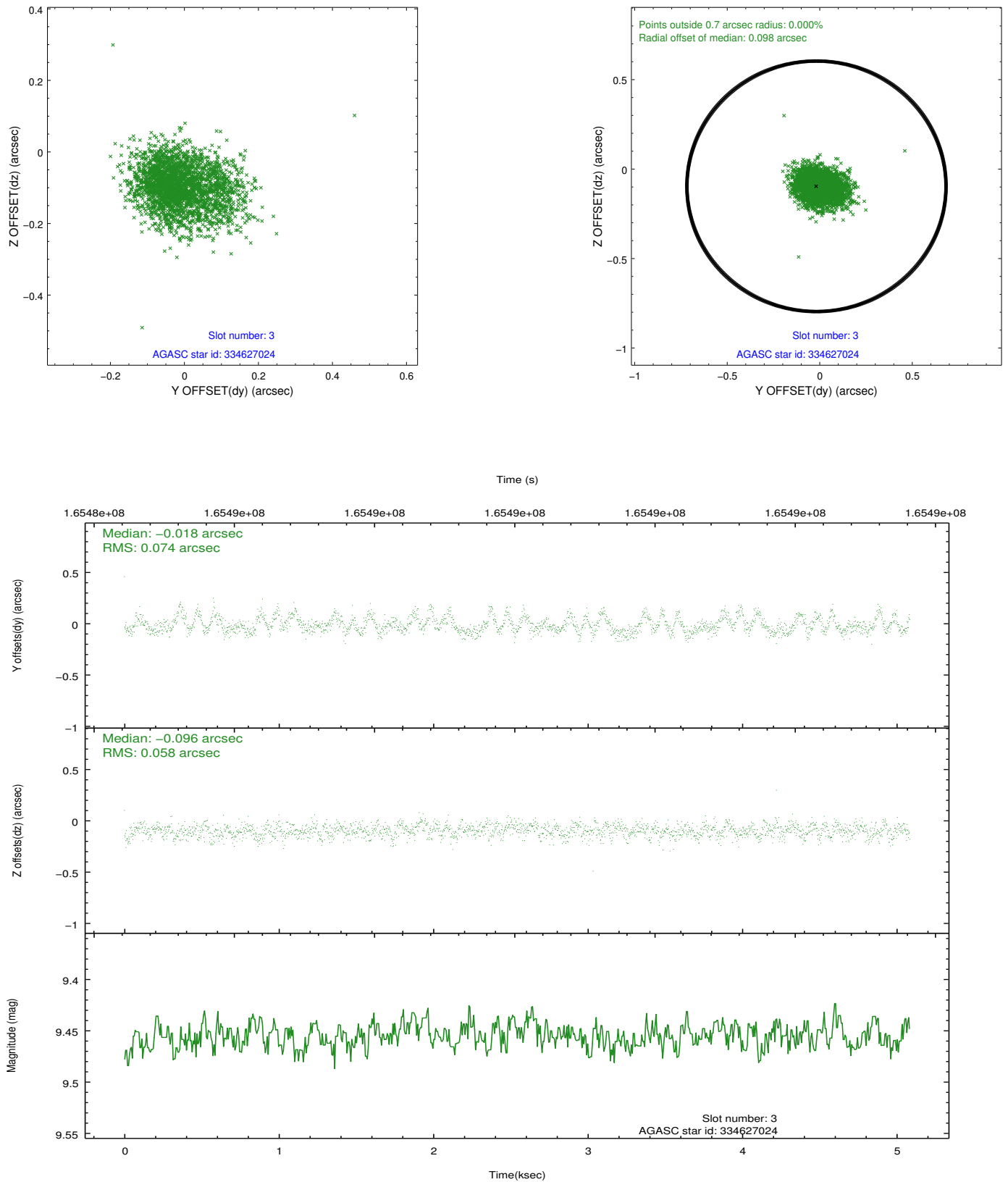


### Slot Statistics

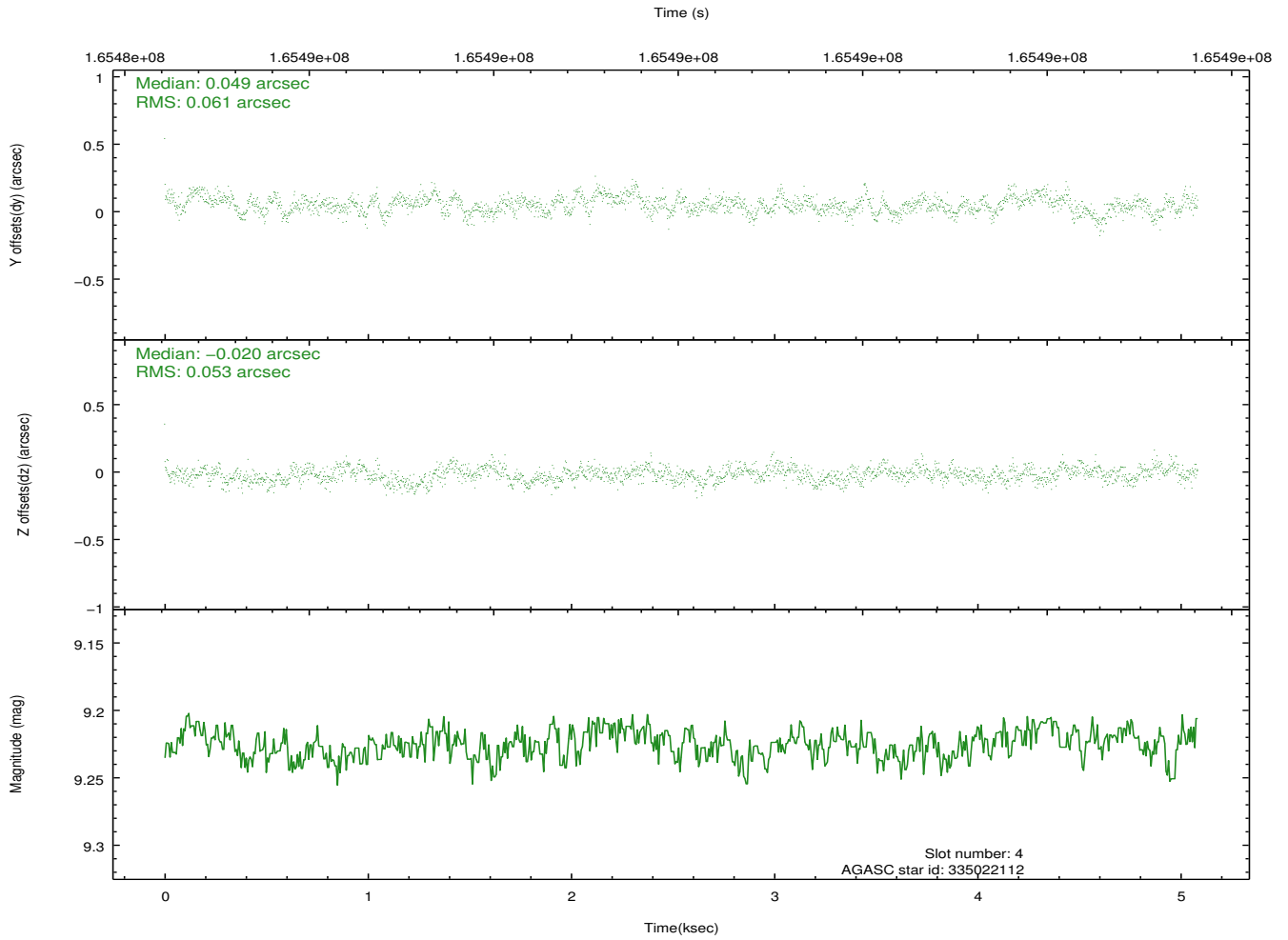
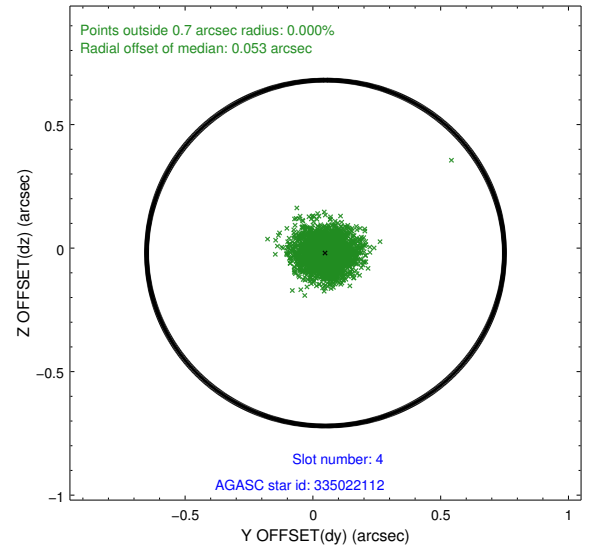
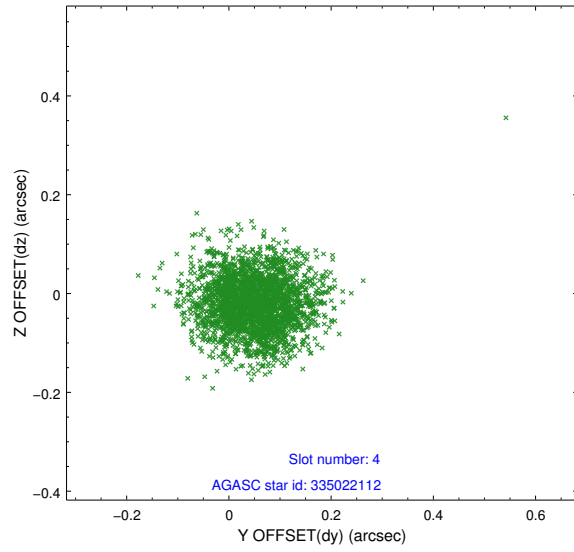
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1240	-0.006	0.006	0.006	0.011	0.000000	0.000000	937.59	-829.55
1	FID	ACIS-I-5	7.24	1240	-0.062	0.039	0.006	0.010	0.000000	0.000000	-1809.88	1067.42
2	FID	ACIS-I-6	7.26	1240	-0.024	0.024	0.007	0.011	0.000000	0.000000	401.86	1713.23
3	GUIDE	334627024	9.45	2480	-0.018	-0.096	0.099	0.164	217.318801	32.278221	-548.35	2187.47
4	GUIDE	335022112	9.23	2481	0.049	-0.020	0.085	0.138	216.659296	32.794758	2176.94	1997.19
5	GUIDE	335025848	9.74	2458	0.057	-0.051	0.119	0.192	217.530531	33.778292	2363.63	-2405.08
6	GUIDE	335027640	9.11	2481	-0.011	0.119	0.087	0.153	218.092211	33.193770	-274.59	-1847.41
7	GUIDE	335029368	10.14	2478	-0.087	0.048	0.141	0.232	217.181018	33.065030	1559.20	248.98

## 2.4 Star Slots

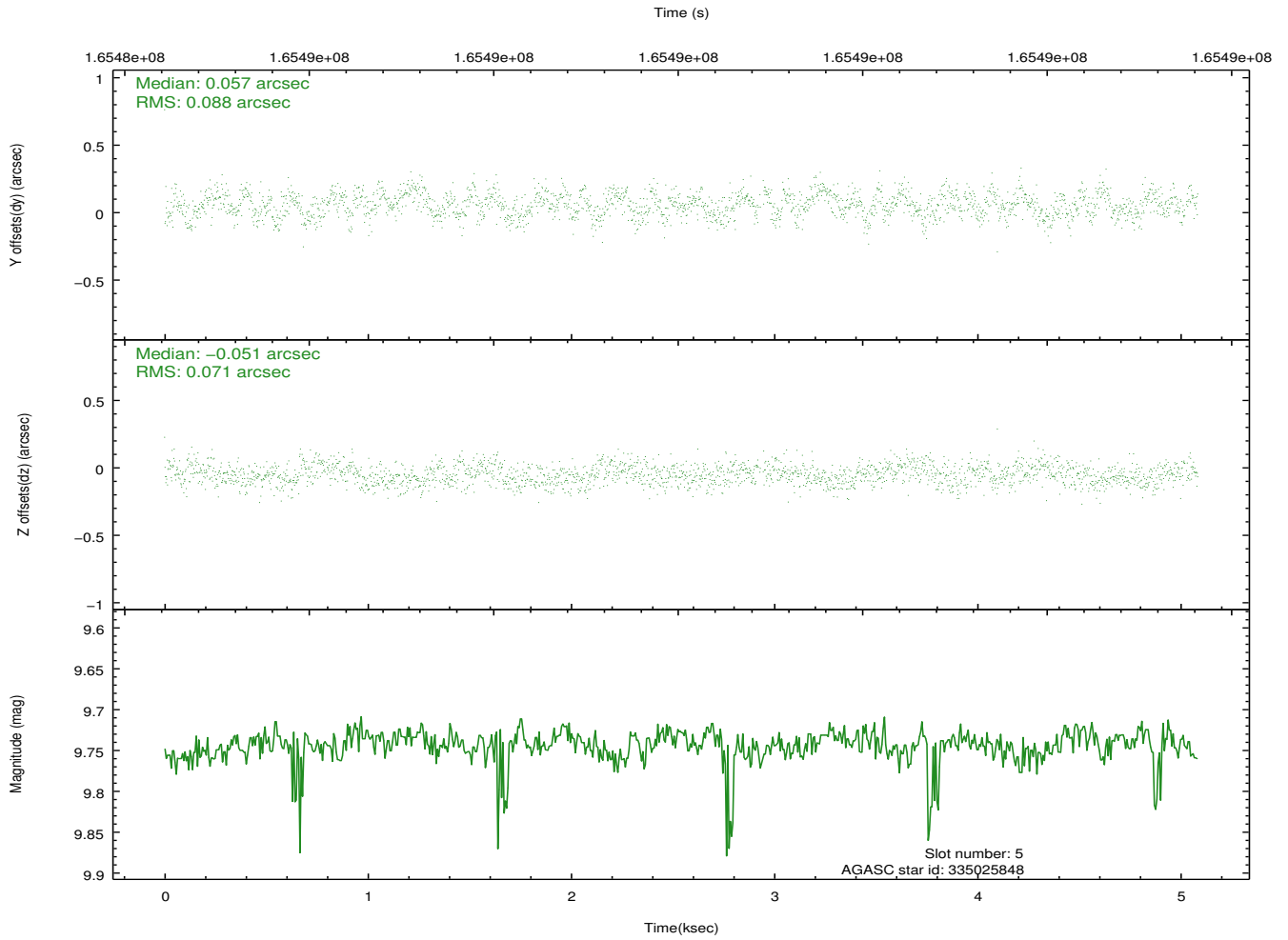
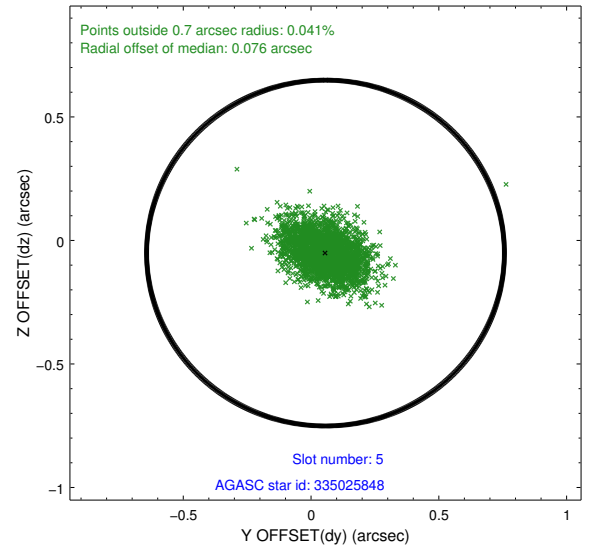
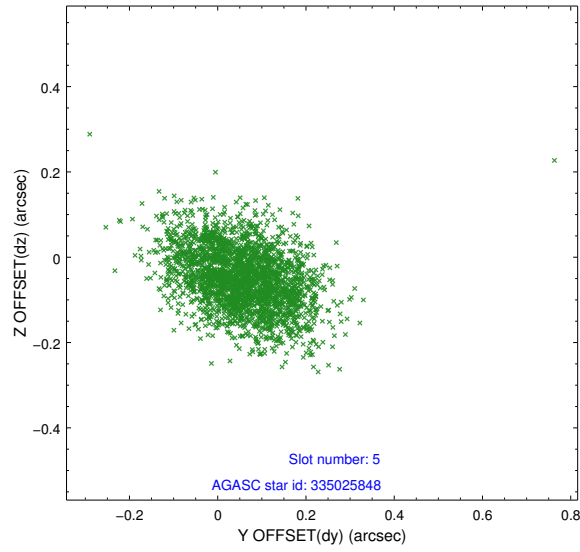
### 2.4.1 Slot 3



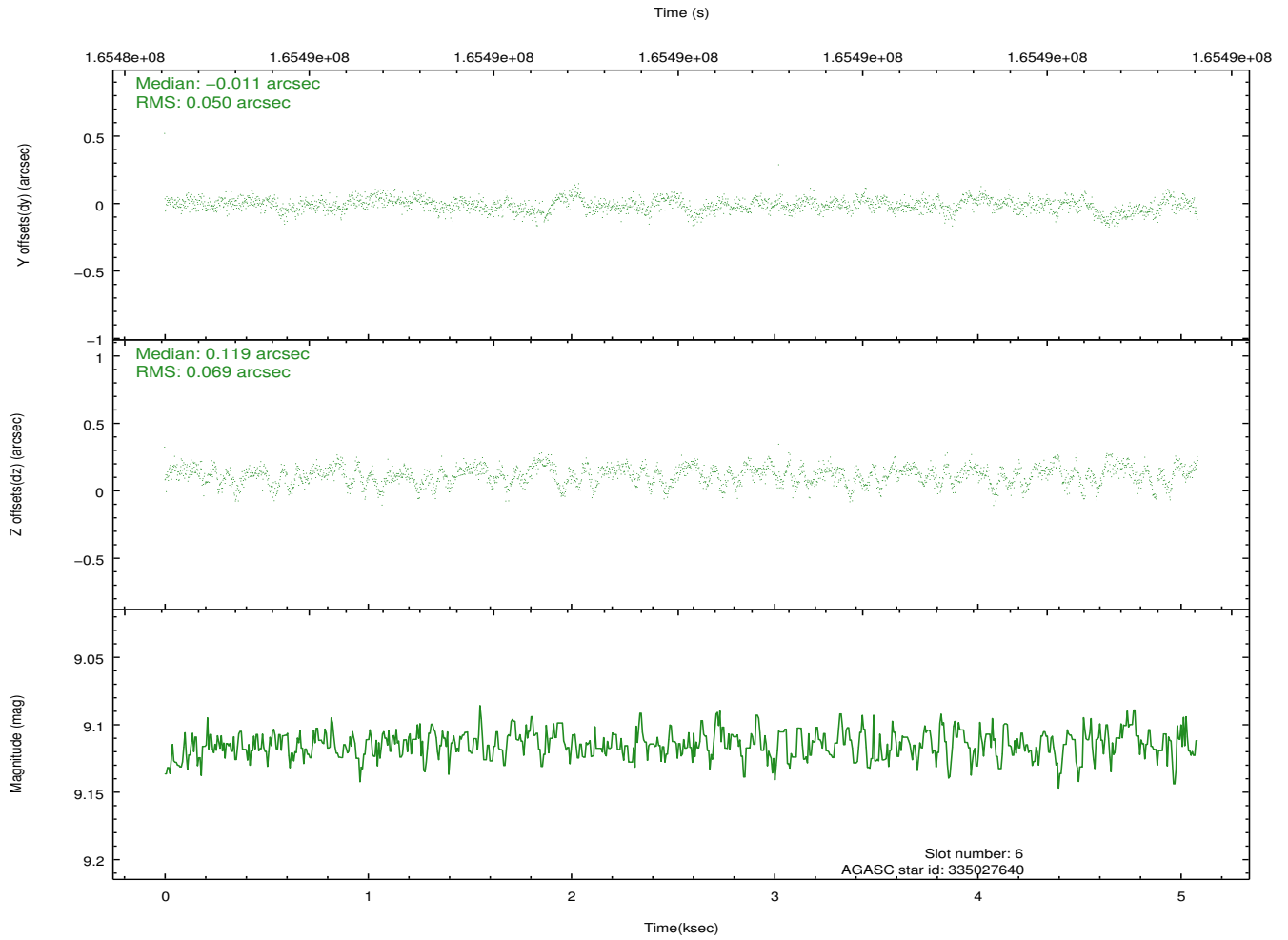
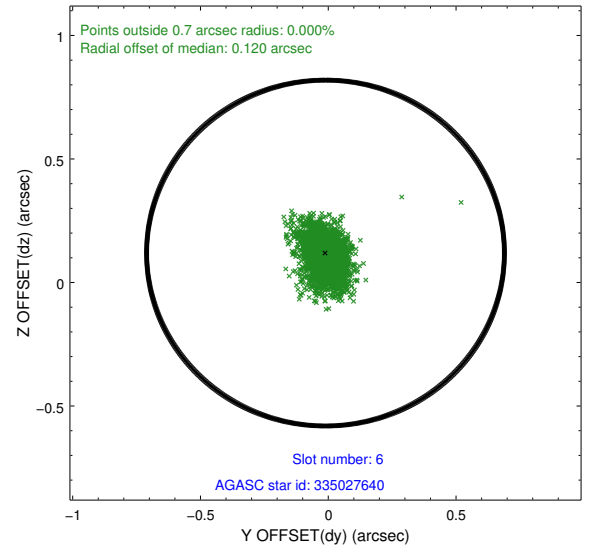
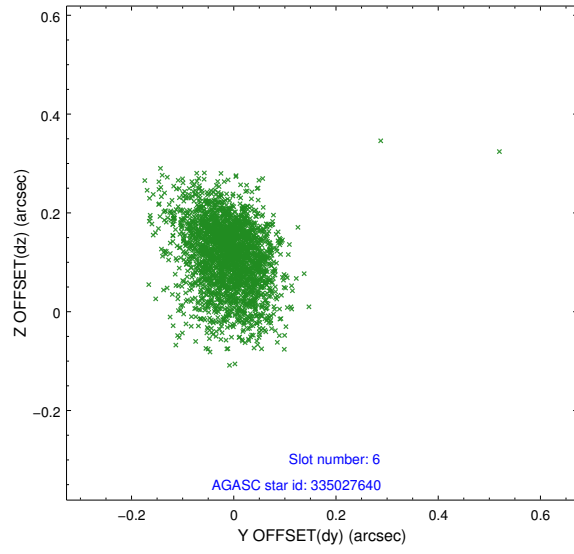
## 2.4.2 Slot 4



### 2.4.3 Slot 5

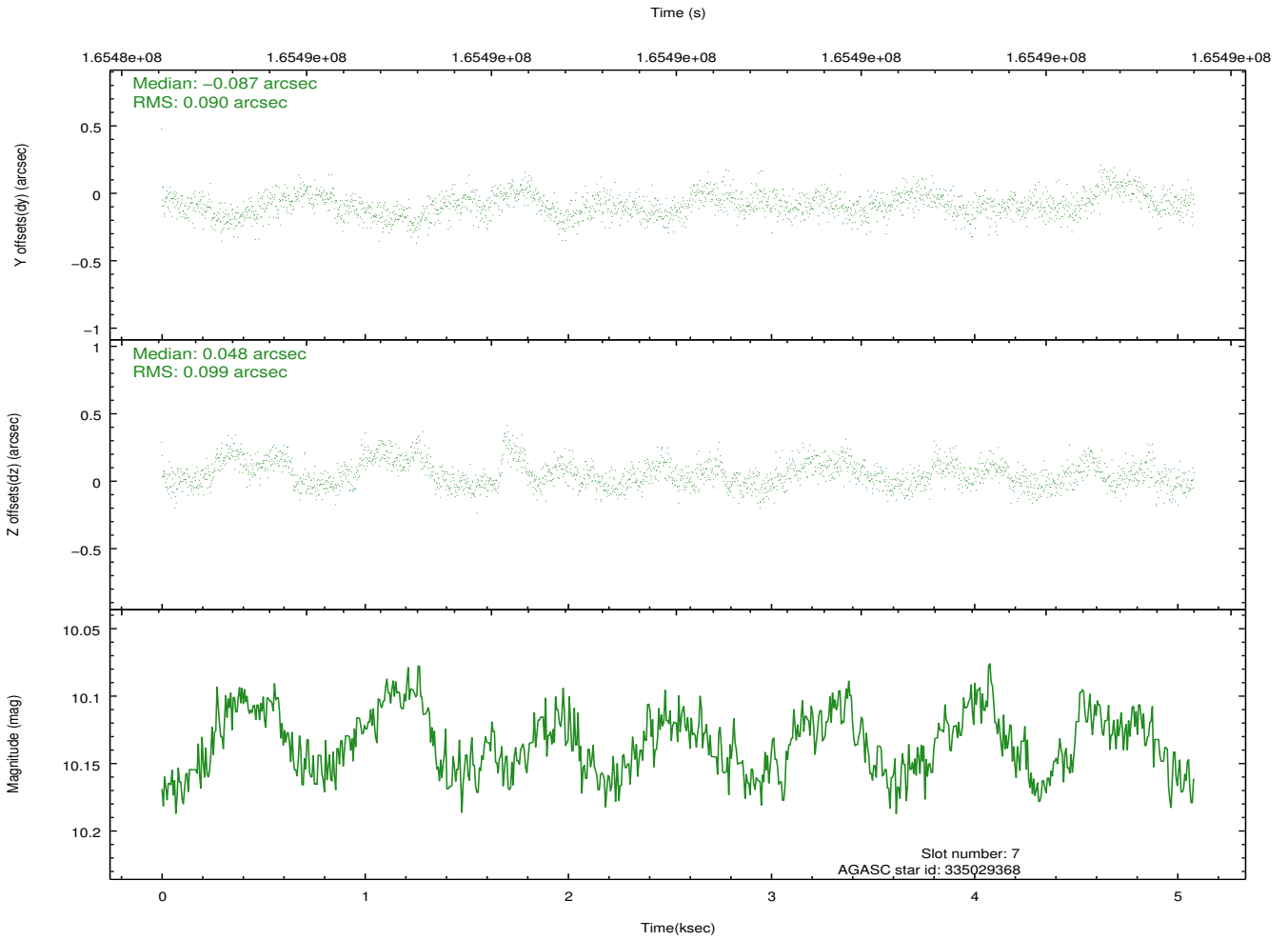
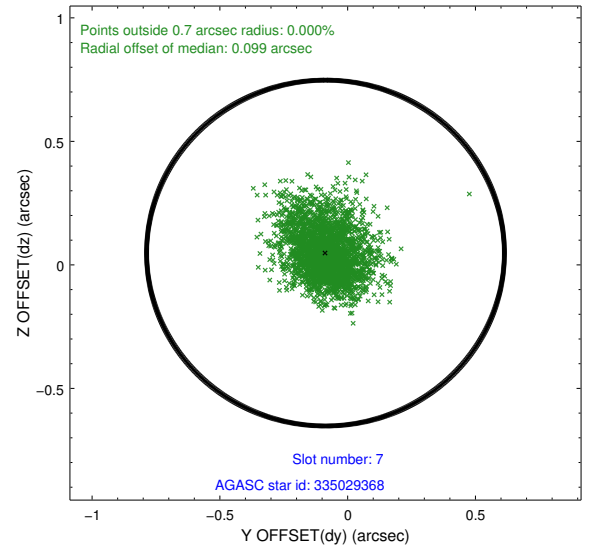
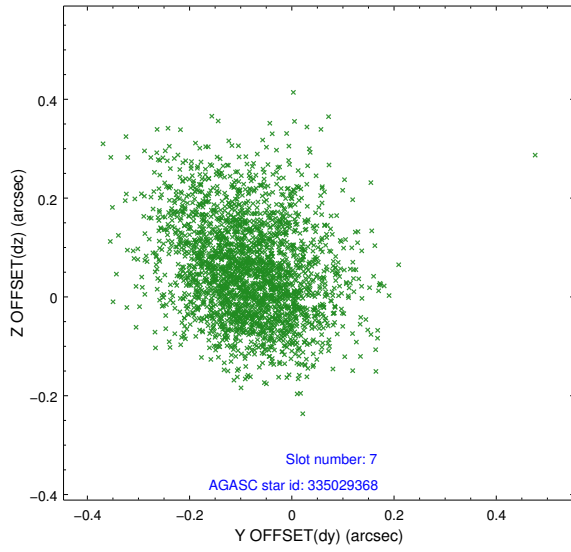


## 2.4.4 Slot 6



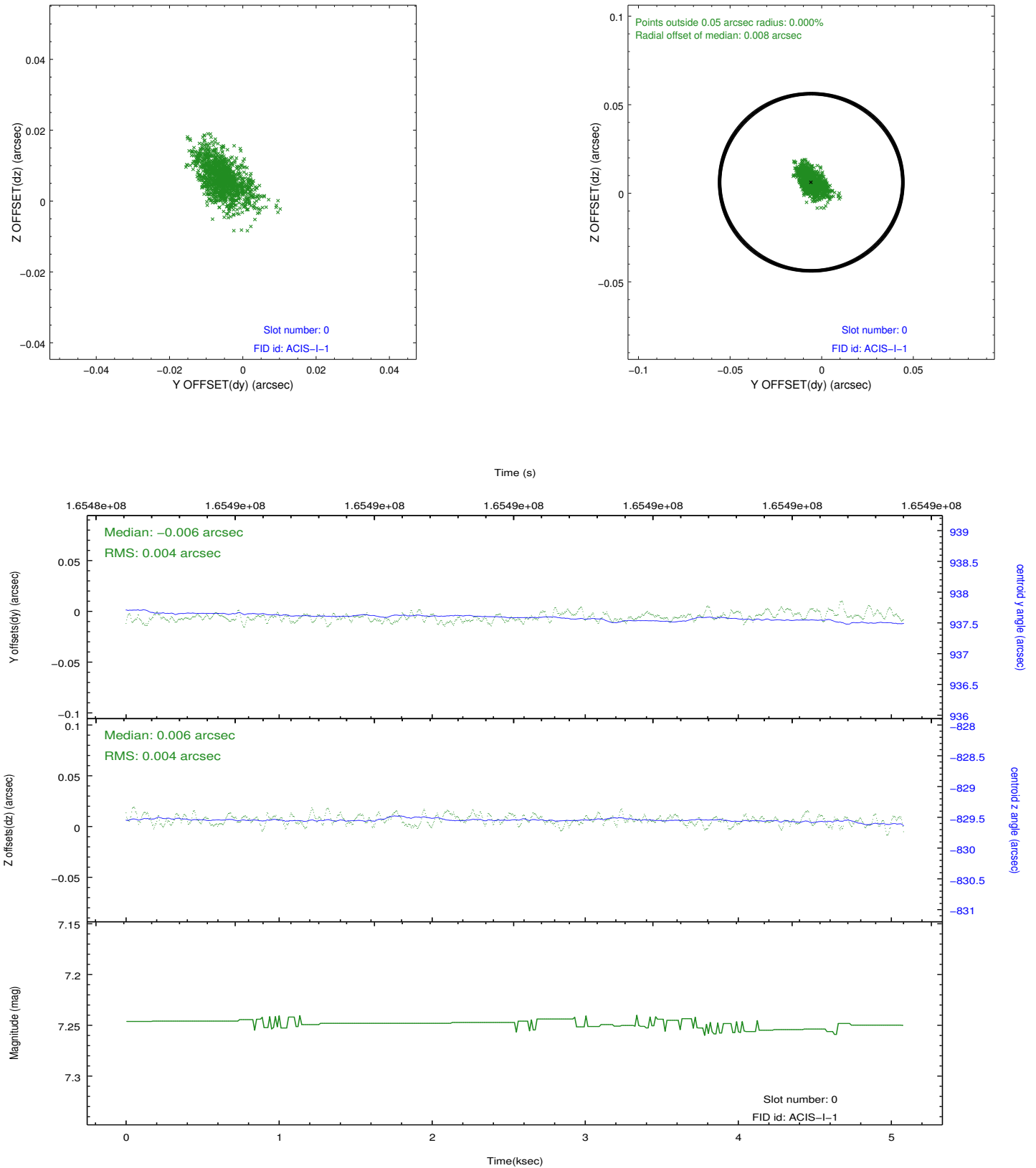


## 2.4.5 Slot 7

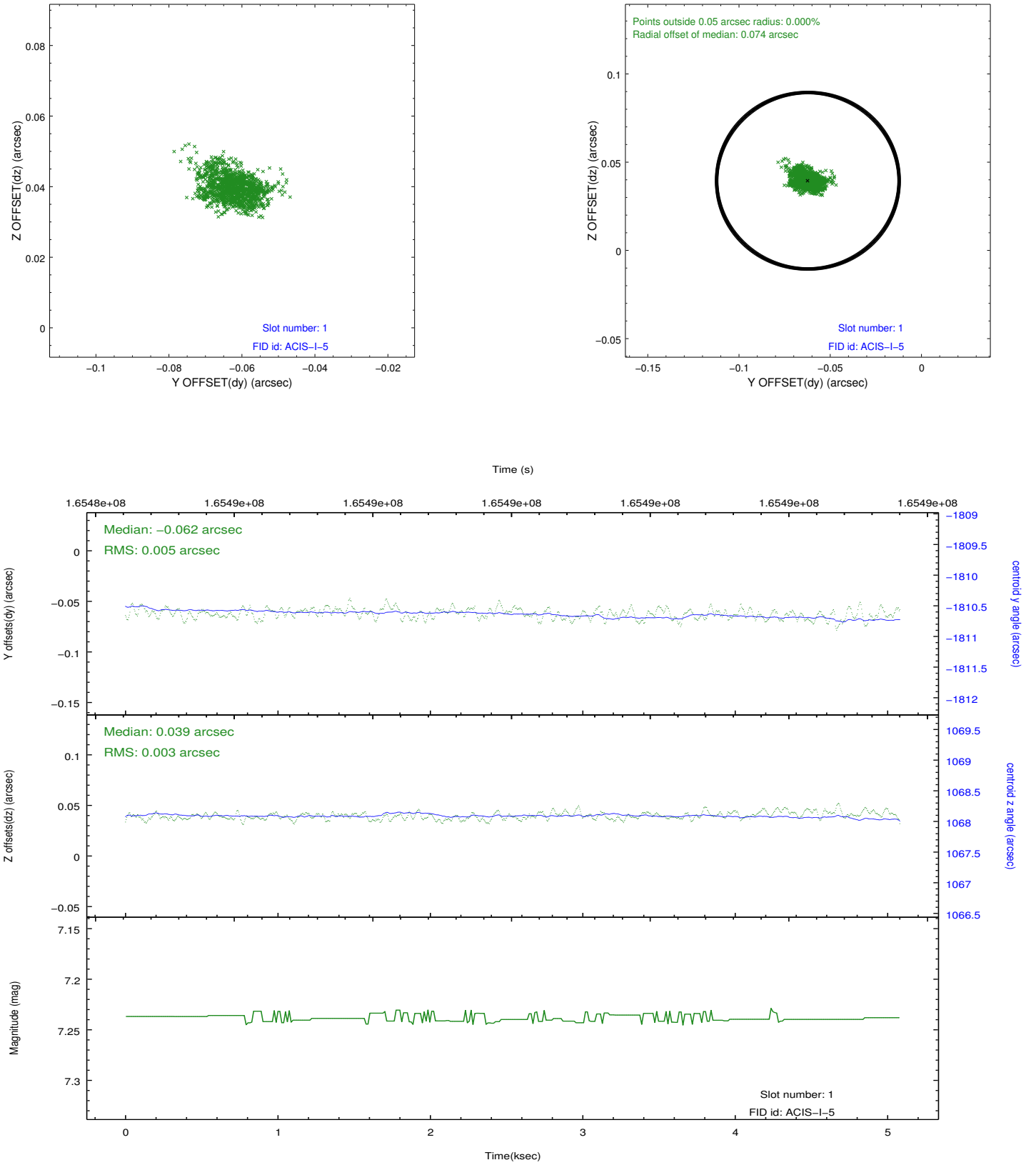


## 2.5 FID Slots

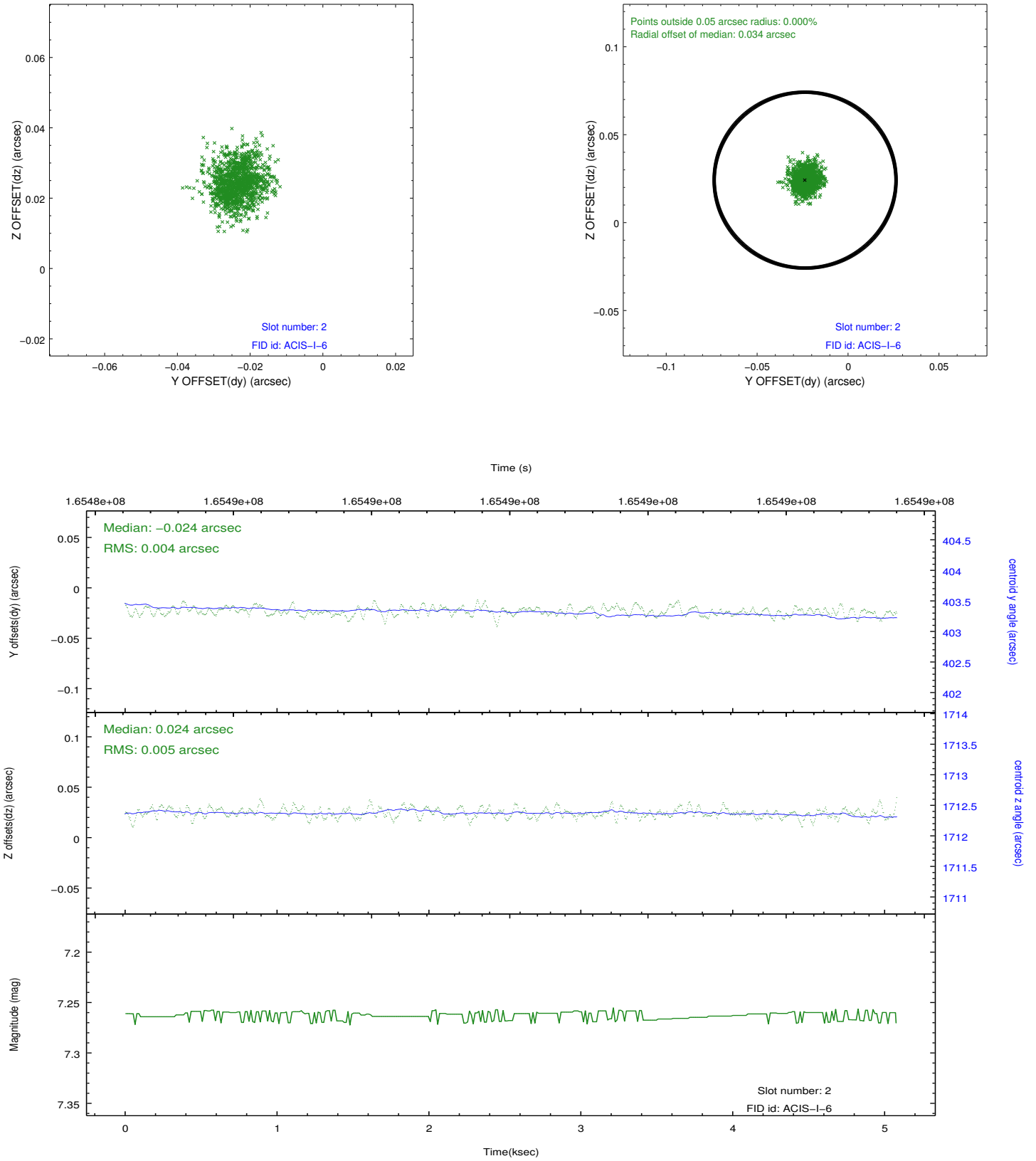
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.677

### A.2 Comments