

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4272 - L2 Version 3  
Chandra X-Ray Center

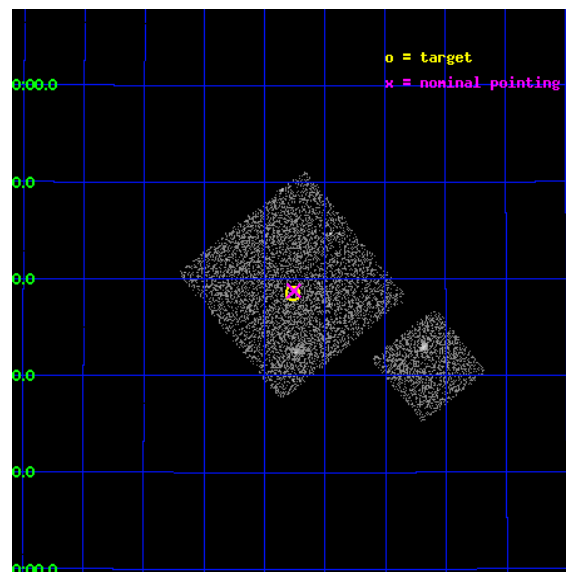
L2 Processing Date : Oct 25 2012

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# 1 Front

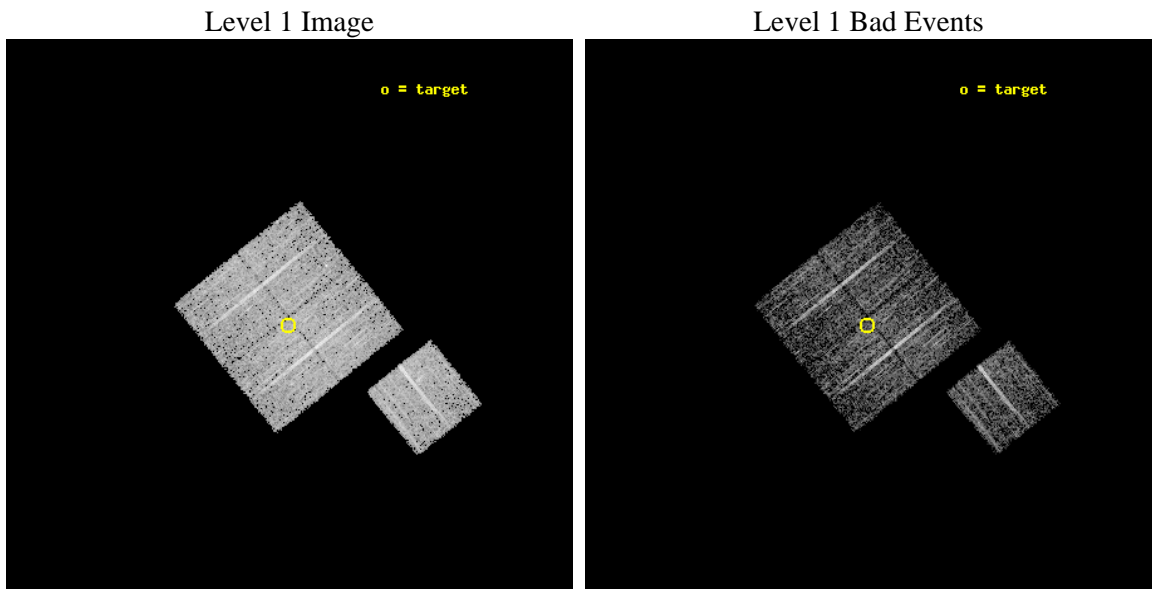
seq_num	900315	Sequence number
obs_id	4272	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS55	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.816997	Observer's specified target RA [deg]
dec_targ	32.642142	Observer's specified target Dec [deg]
ra_nom	217.81444890748	Nominal RA [deg]
dec_nom	32.646164818674	Nominal Dec [deg]
roll_nom	141.01006815542	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5021.9999903142	Sum of GTIs [s]
livetime	4956.3838632982	Livetime [s]
ontime0	5021.896499753	Sum of GTIs [s]
ontime1	5021.9375397563	Sum of GTIs [s]
ontime2	5021.9785797596	Sum of GTIs [s]
ontime3	5021.9999903142	Sum of GTIs [s]
ontime6	5021.8554597497	Sum of GTIs [s]
l2events	10469	Number of level 2 events



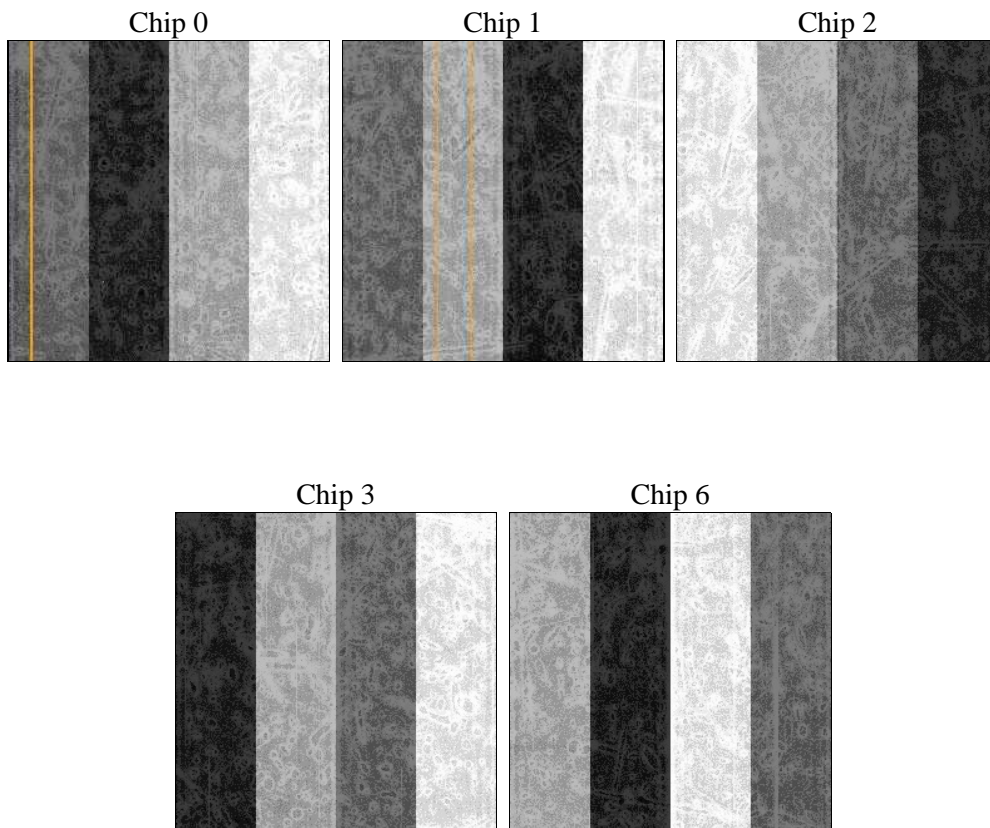
## 2 OBI

### 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	5021.9999903142	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	5021.896499753	Sum of GTIs [s]
date	2012-10-25T15:32:07	Date and time of file creation	ontime1	5021.9375397563	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5021.9785797596	Sum of GTIs [s]
			ontime3	5021.9999903142	Sum of GTIs [s]
			ontime6	5021.8554597497	Sum of GTIs [s]
			l1events	120714	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23008	22451	25693	24513	25049
rejected events	20436	19908	23320	21980	22395
rejected %	88%	88%	90%	89%	89%

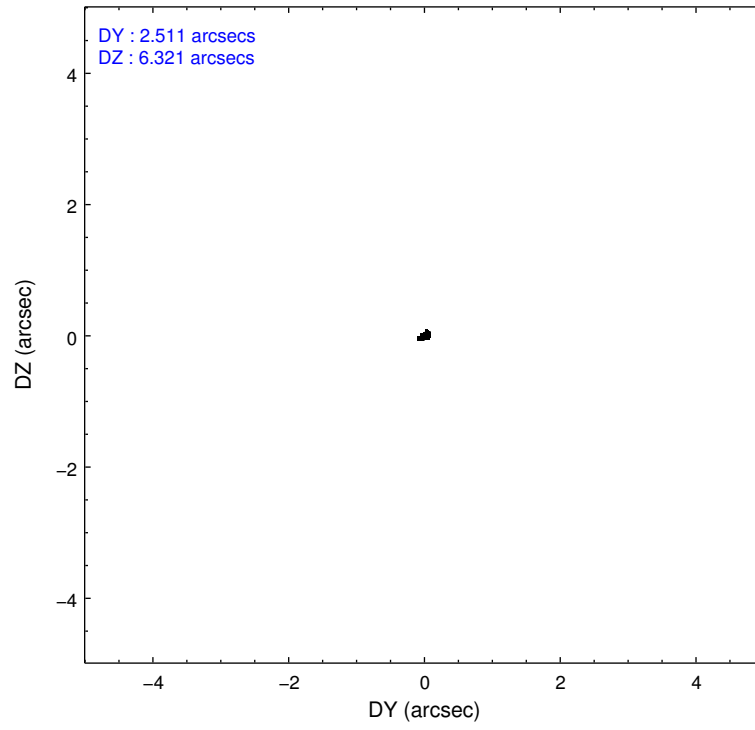
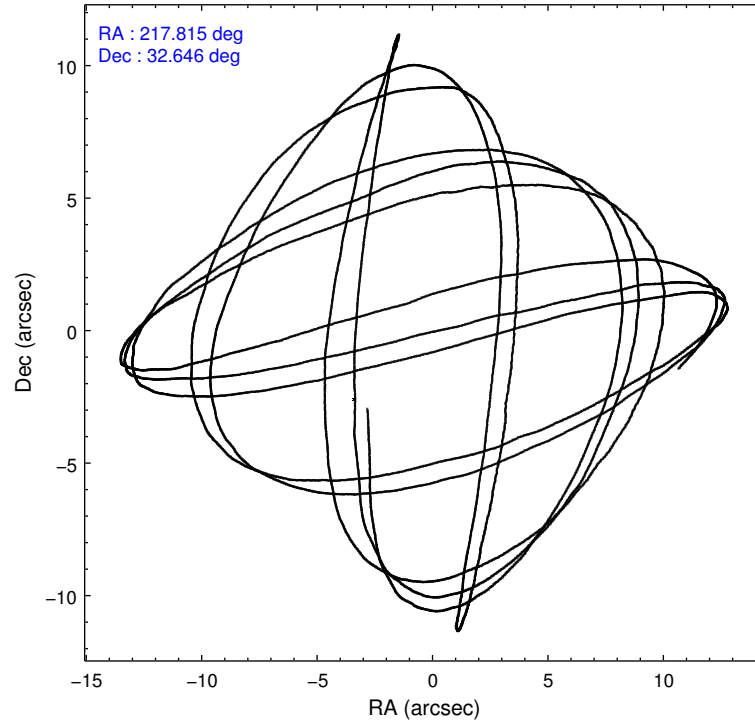
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1027	880	856	1053	1048
	4%	3%	3%	4%	4%
grade 1 events	17	8	9	19	8
	0%	0%	0%	0%	0%
grade 2 events	556	532	555	508	549
	2%	2%	2%	2%	2%
grade 3 events	288	302	272	266	310
	1%	1%	1%	1%	1%
grade 4 events	263	306	270	286	286
	1%	1%	1%	1%	1%
grade 5 events	664	763	691	761	818
	2%	3%	2%	3%	3%
grade 6 events	438	526	420	422	462
	1%	2%	1%	1%	1%
grade 7 events	19755	19134	22620	21198	21568
	85%	85%	88%	86%	86%

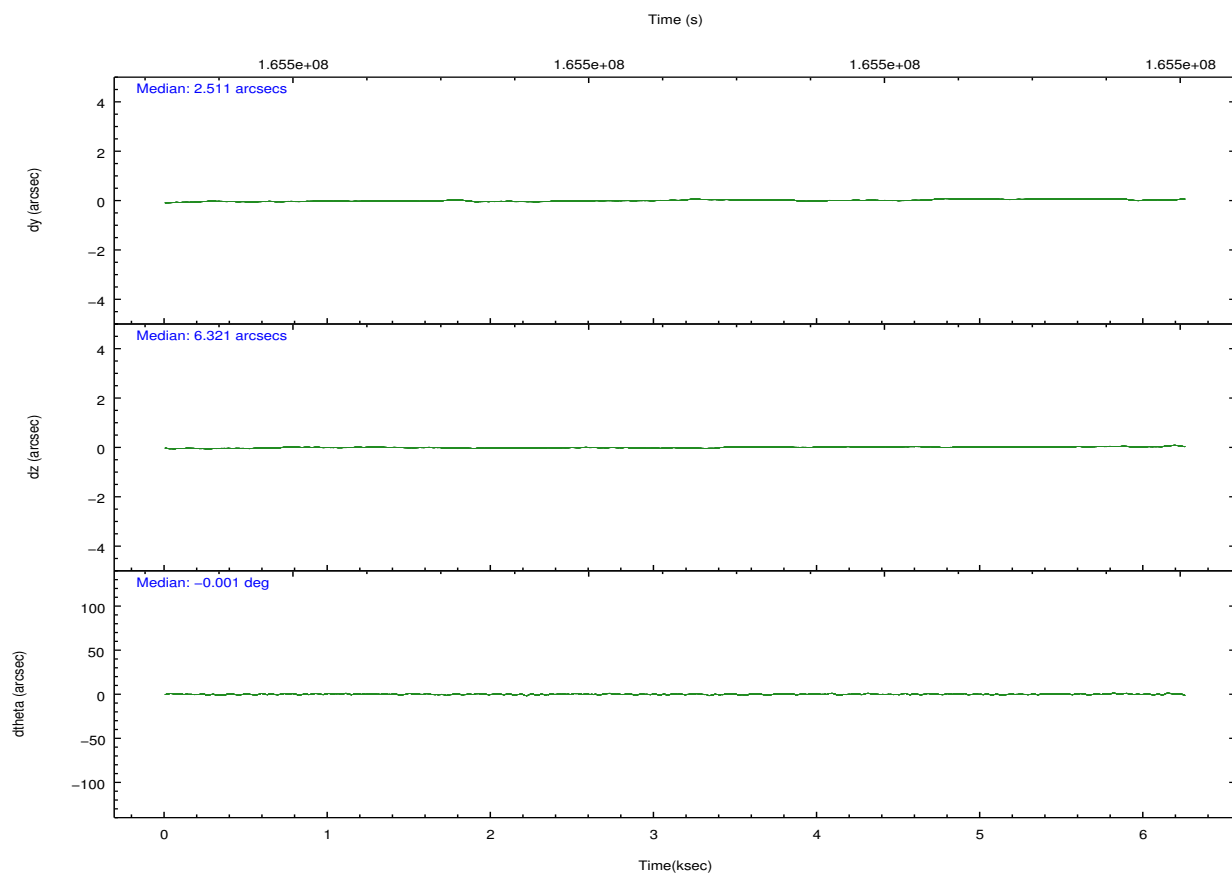
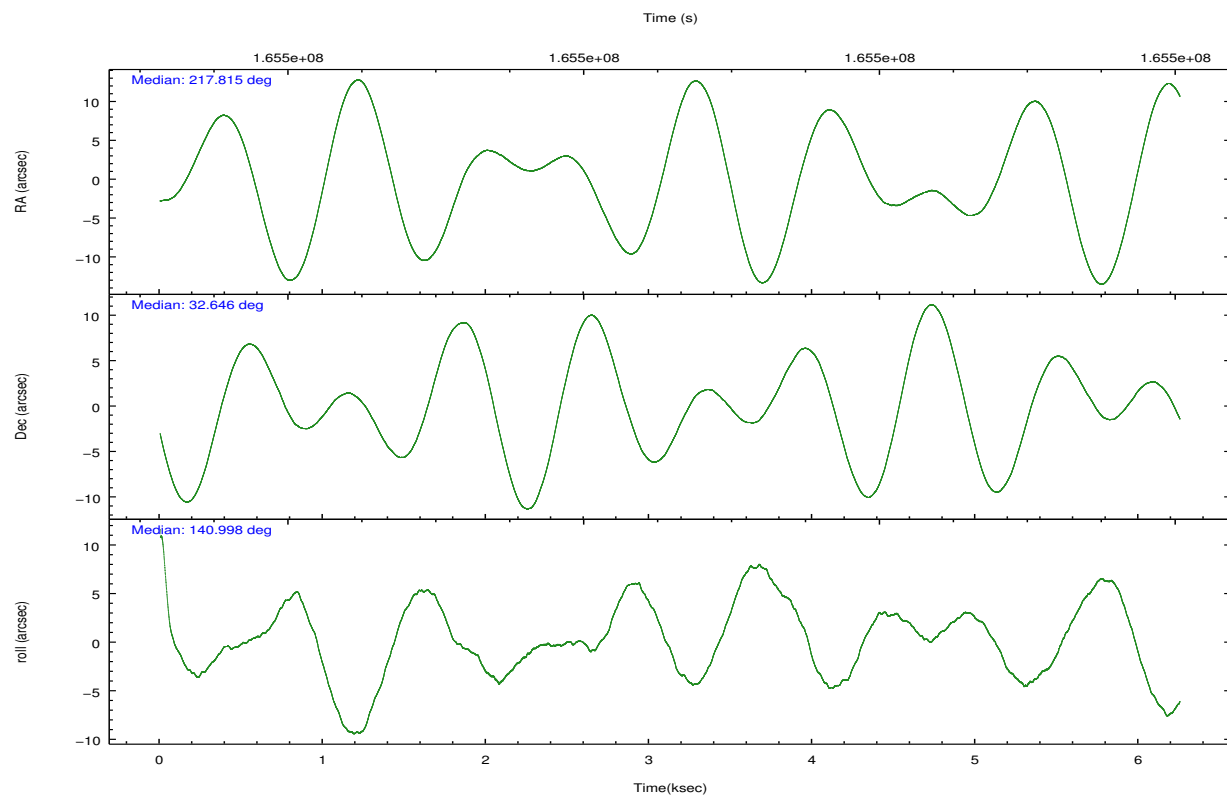


## 2.2 Compared Parameters

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	217.846552	217.8144489074764	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.642056	32.64616481867444	Alternating exposures requested	N	N
[deg] Pointing Roll	140.784057	141.0100681554208	[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)	165498814.184000	165497267.70444			
Observation start date	2003-03-31T11:52:30	2003-03-31T11:27:47			
[s] Observation end time (MET)	165503714.184000	165503848.20472			
Observation end date	2003-03-31T13:14:10	2003-03-31T13:17:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect



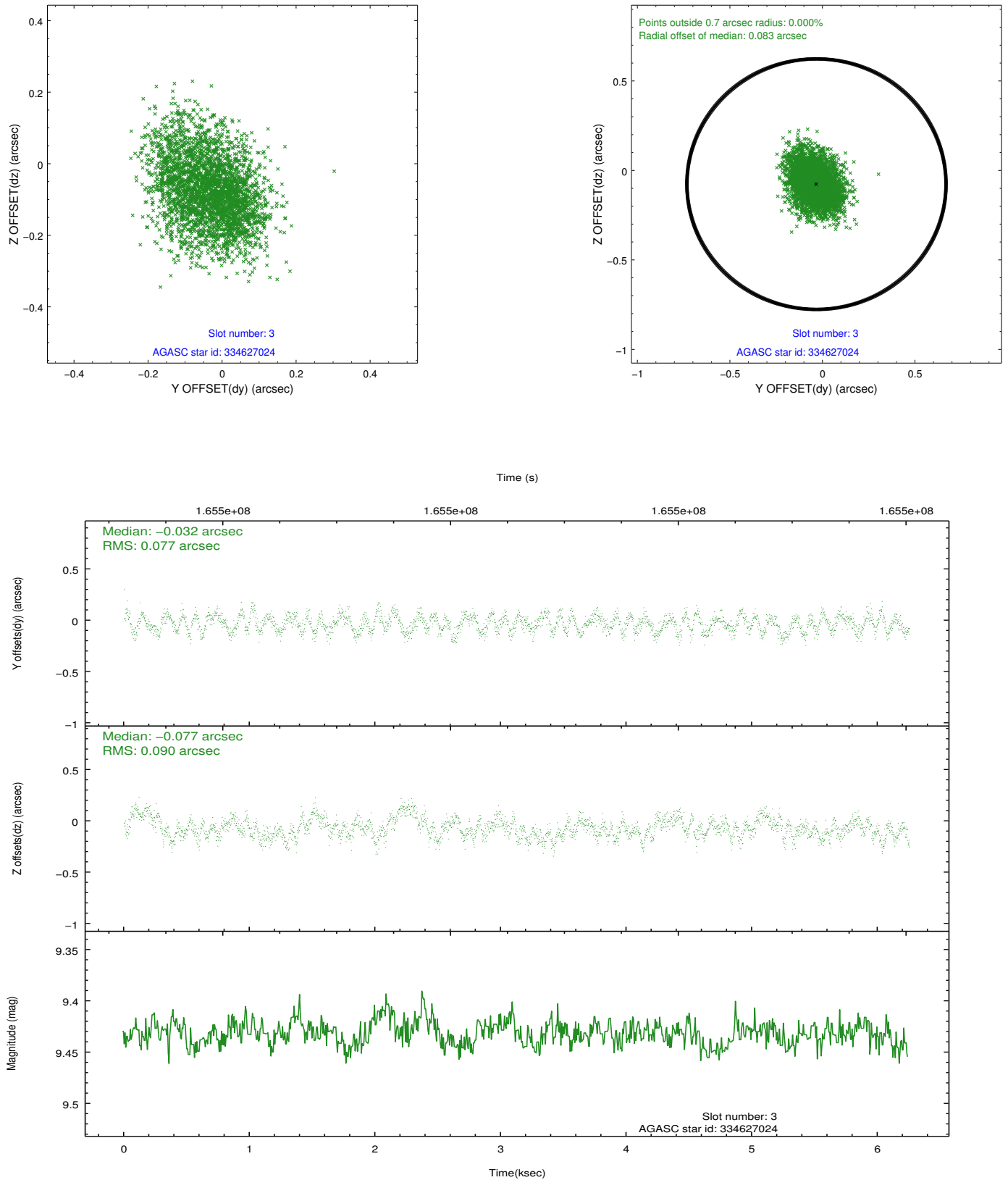


### Slot Statistics

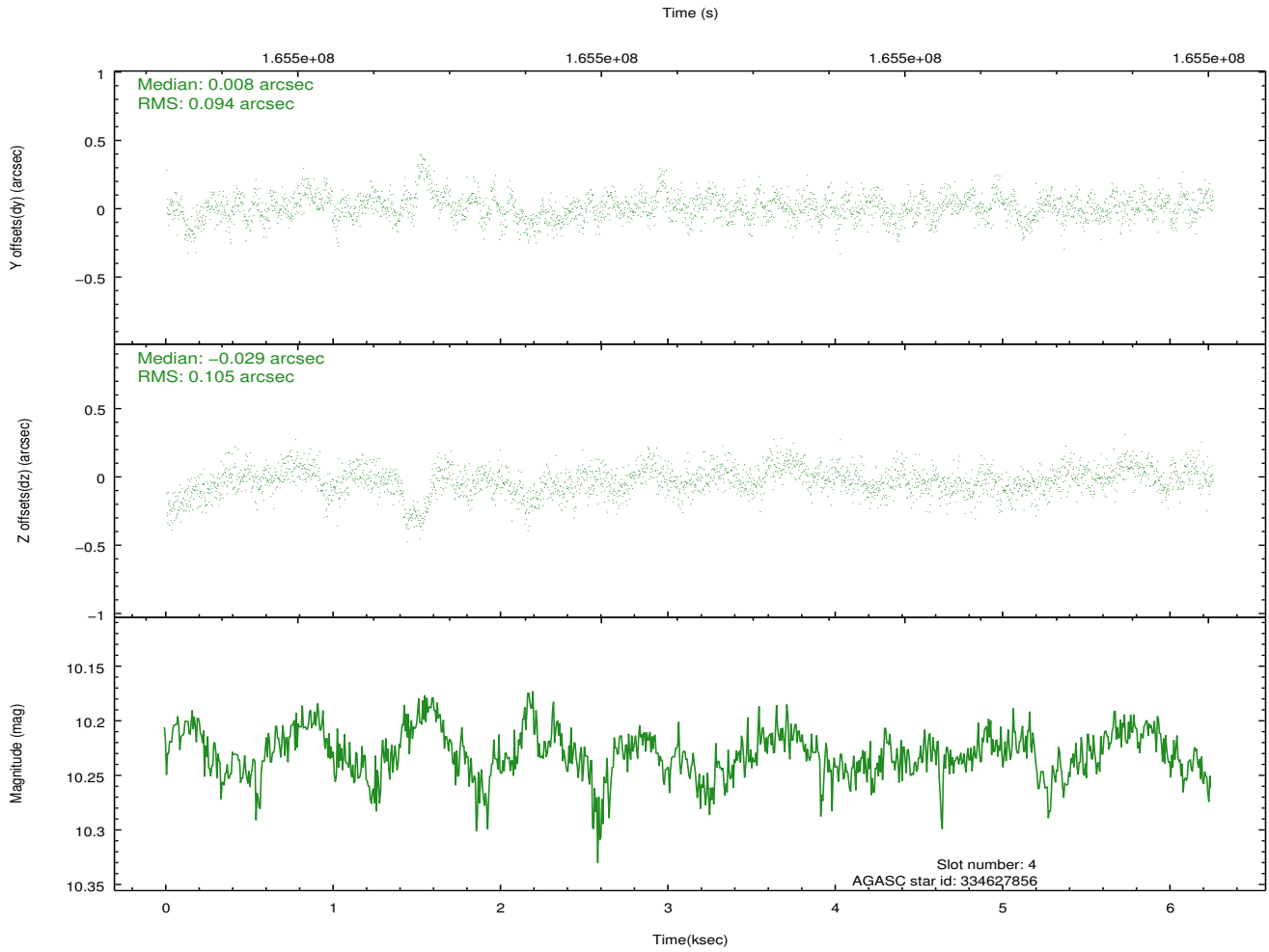
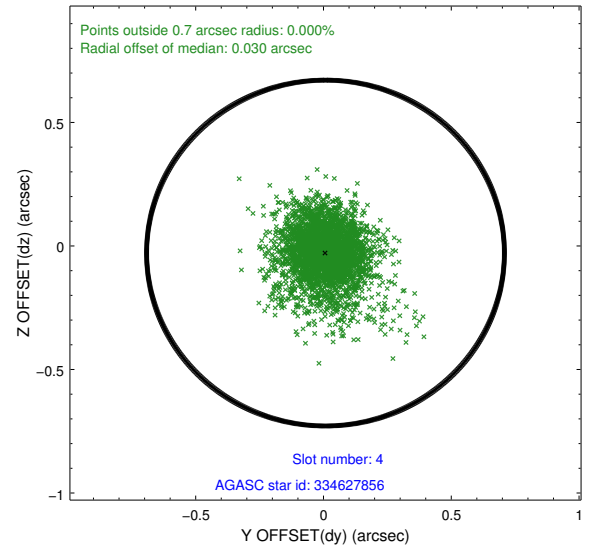
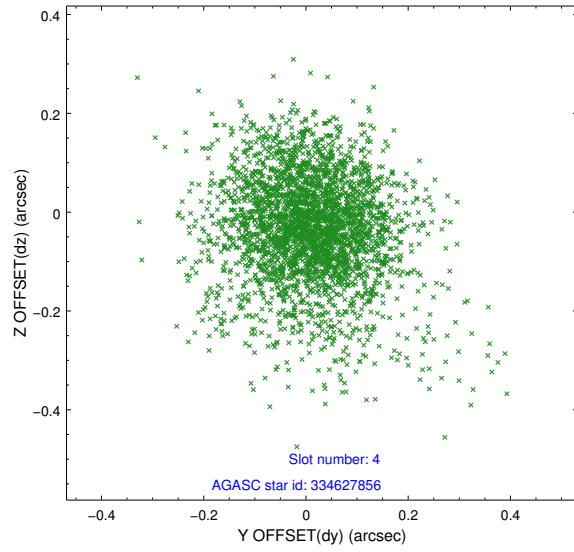
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1525	0.007	-0.004	0.007	0.013	0.000000	0.000000	937.29	-829.71
1	FID	ACIS-I-5	7.24	1525	-0.076	0.048	0.007	0.012	0.000000	0.000000	-1810.35	1067.40
2	FID	ACIS-I-6	7.26	1525	-0.023	0.026	0.007	0.011	0.000000	0.000000	401.82	1712.92
3	GUIDE	334627024	9.43	3050	-0.032	-0.077	0.128	0.205	217.318801	32.278221	418.76	2027.50
4	GUIDE	334627856	10.23	3046	0.008	-0.029	0.143	0.254	217.544668	32.407167	177.51	1235.03
5	GUIDE	334629976	9.93	3049	0.051	-0.017	0.119	0.185	217.912342	31.982896	-1655.81	1711.79
6	GUIDE	335027640	9.10	3049	-0.017	0.068	0.088	0.143	218.092211	33.193770	683.16	-2006.45
7	GUIDE	335029384	8.49	3044	-0.014	0.057	0.074	0.115	217.848061	33.088477	1013.29	-1248.21

## 2.4 Star Slots

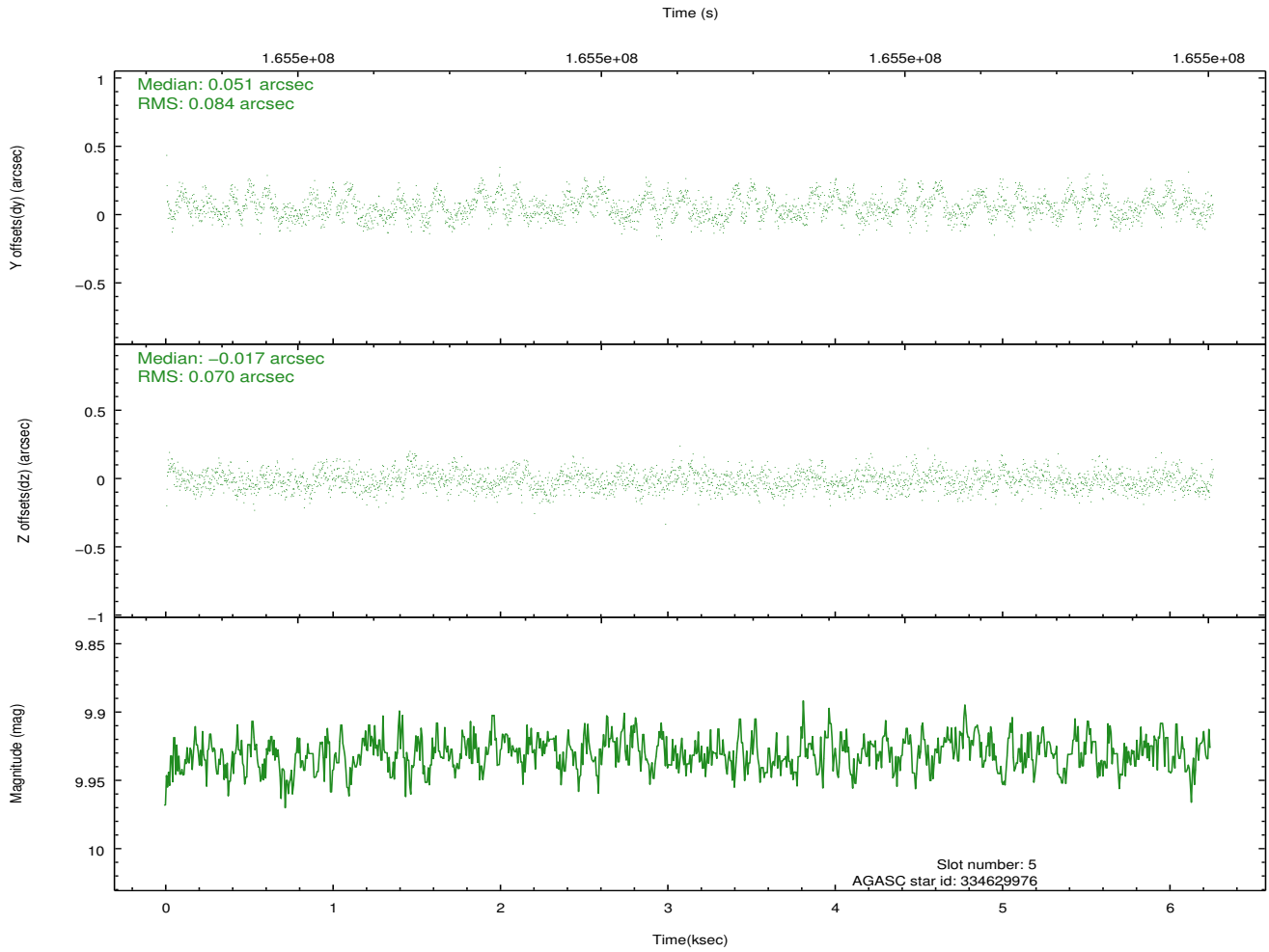
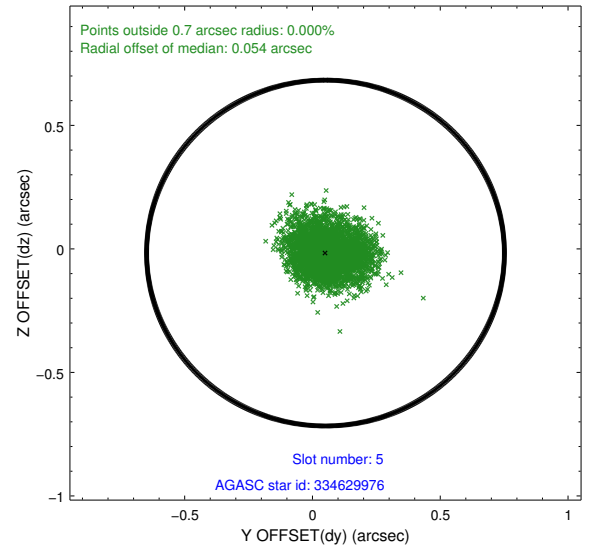
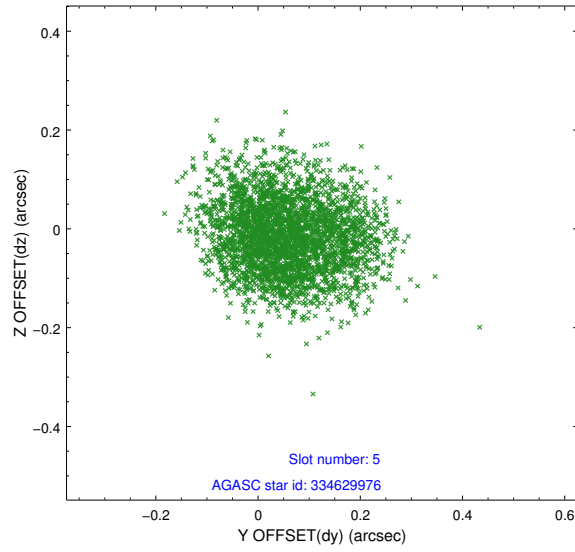
### 2.4.1 Slot 3



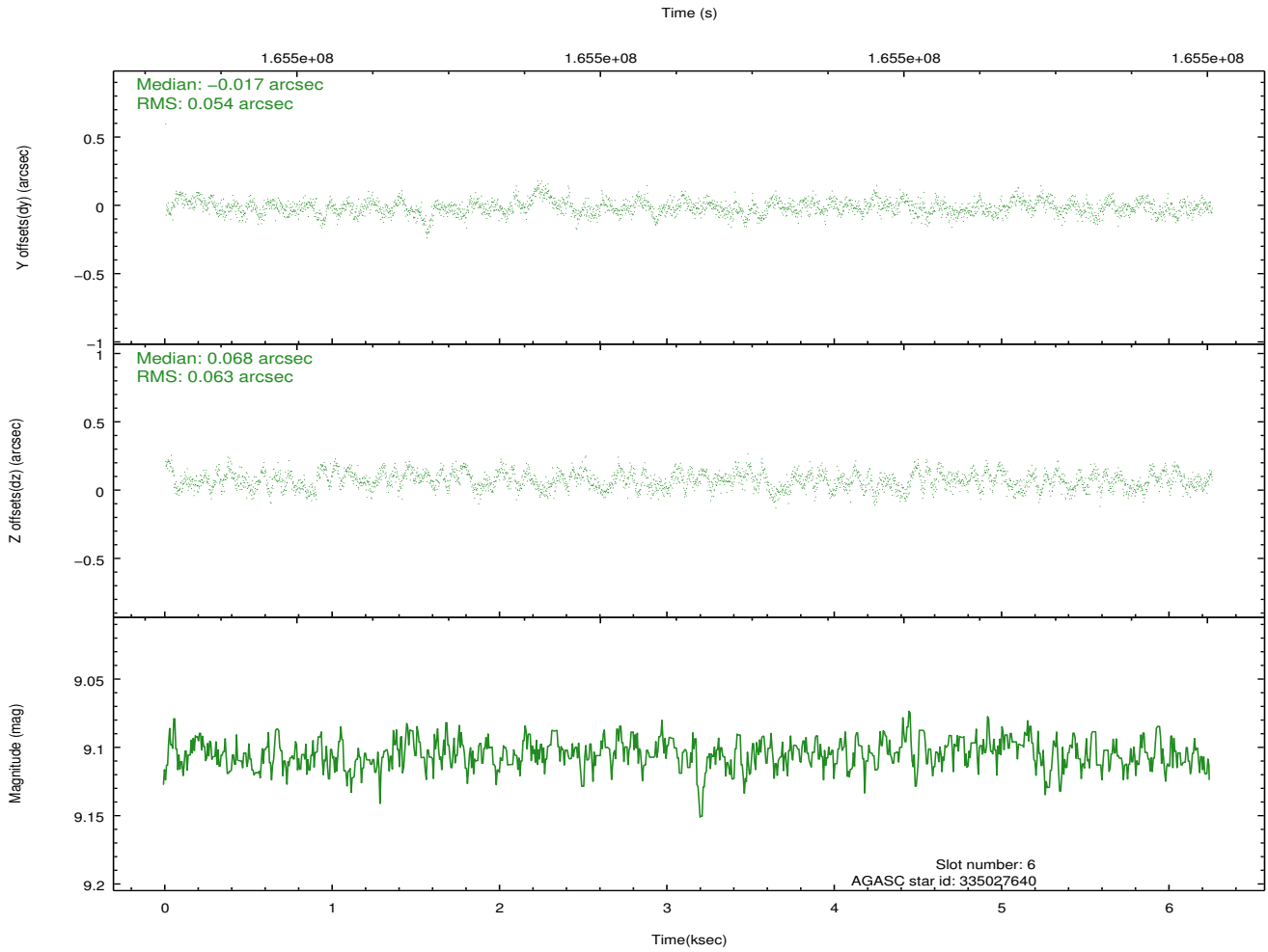
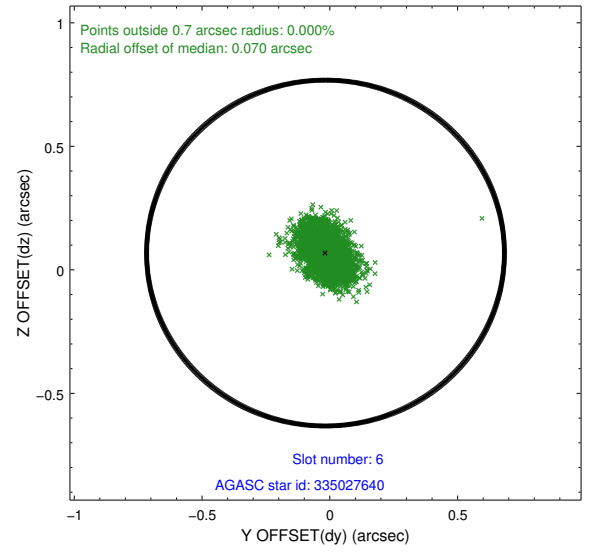
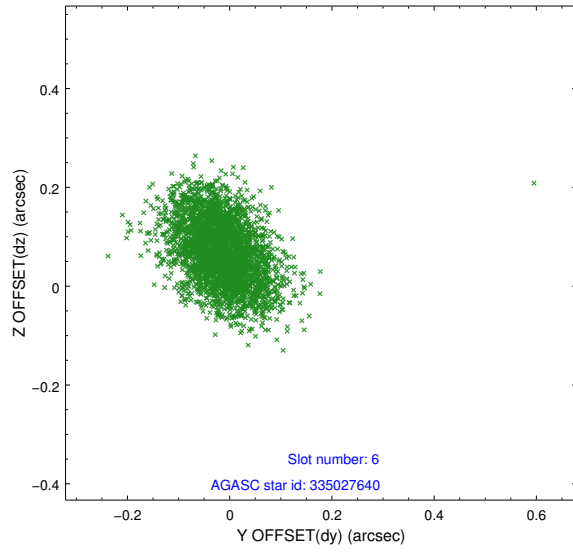
## 2.4.2 Slot 4



### 2.4.3 Slot 5

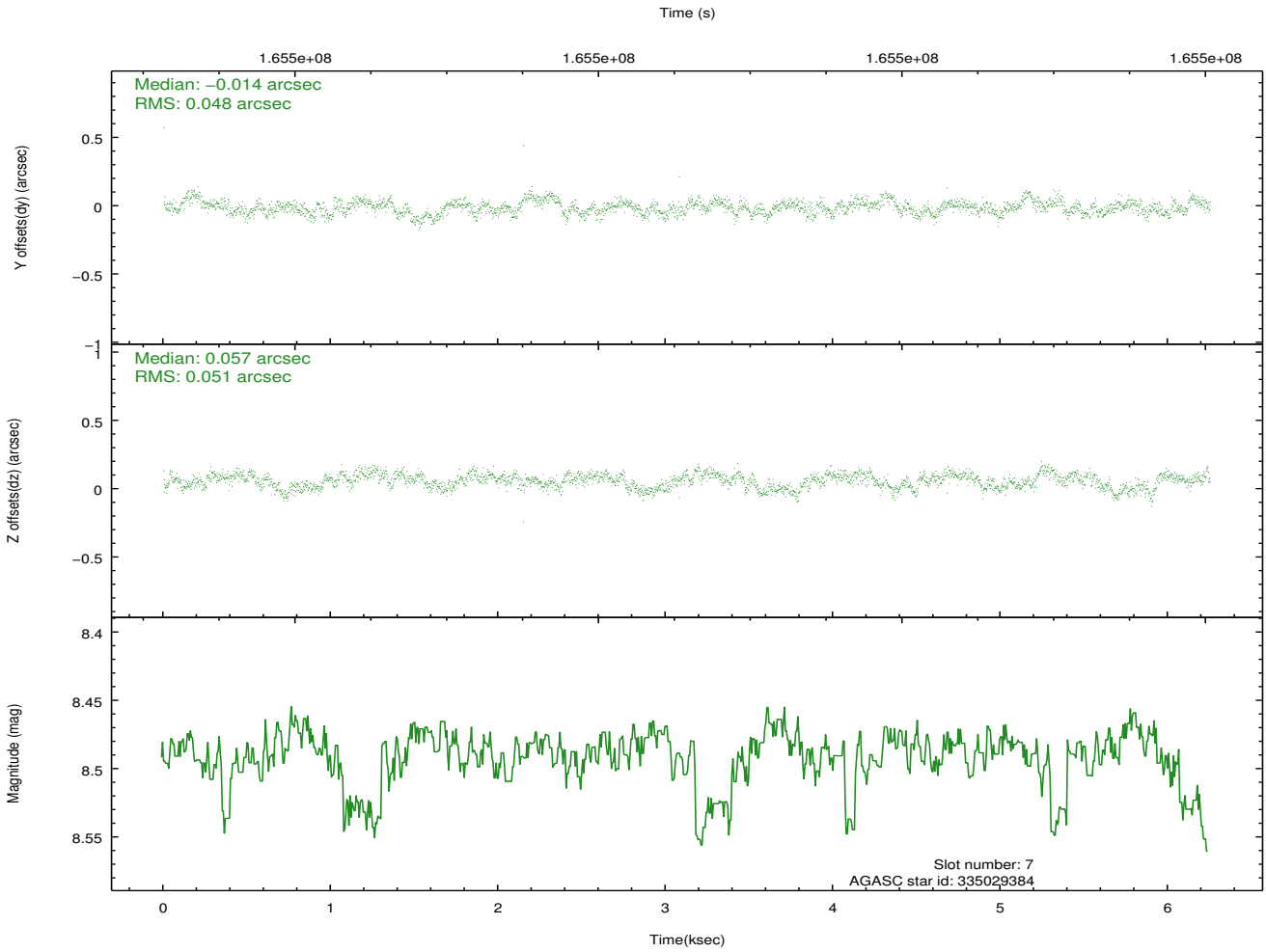
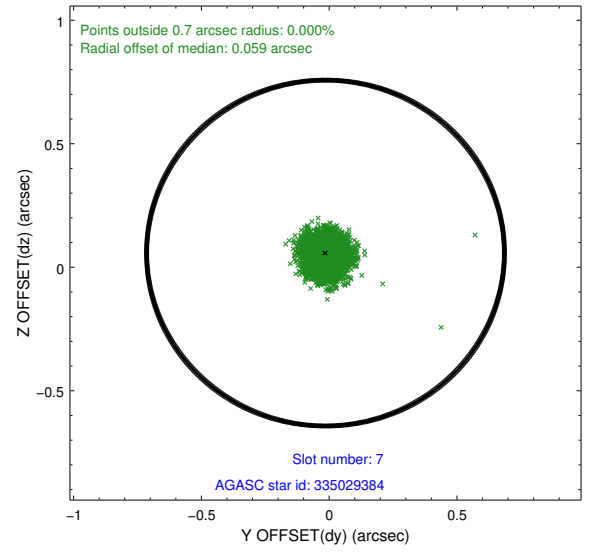
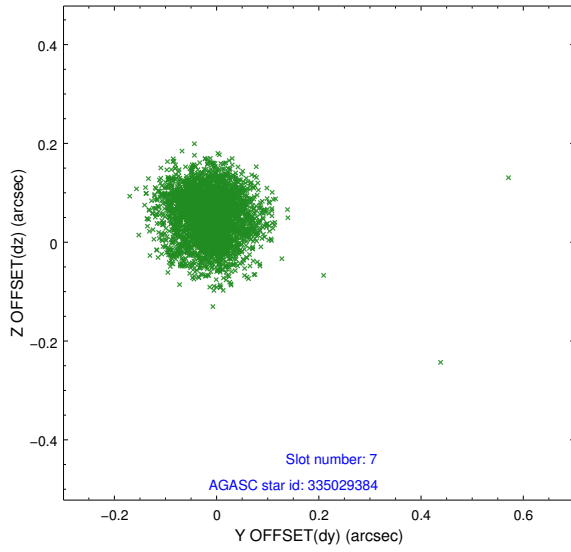


## 2.4.4 Slot 6



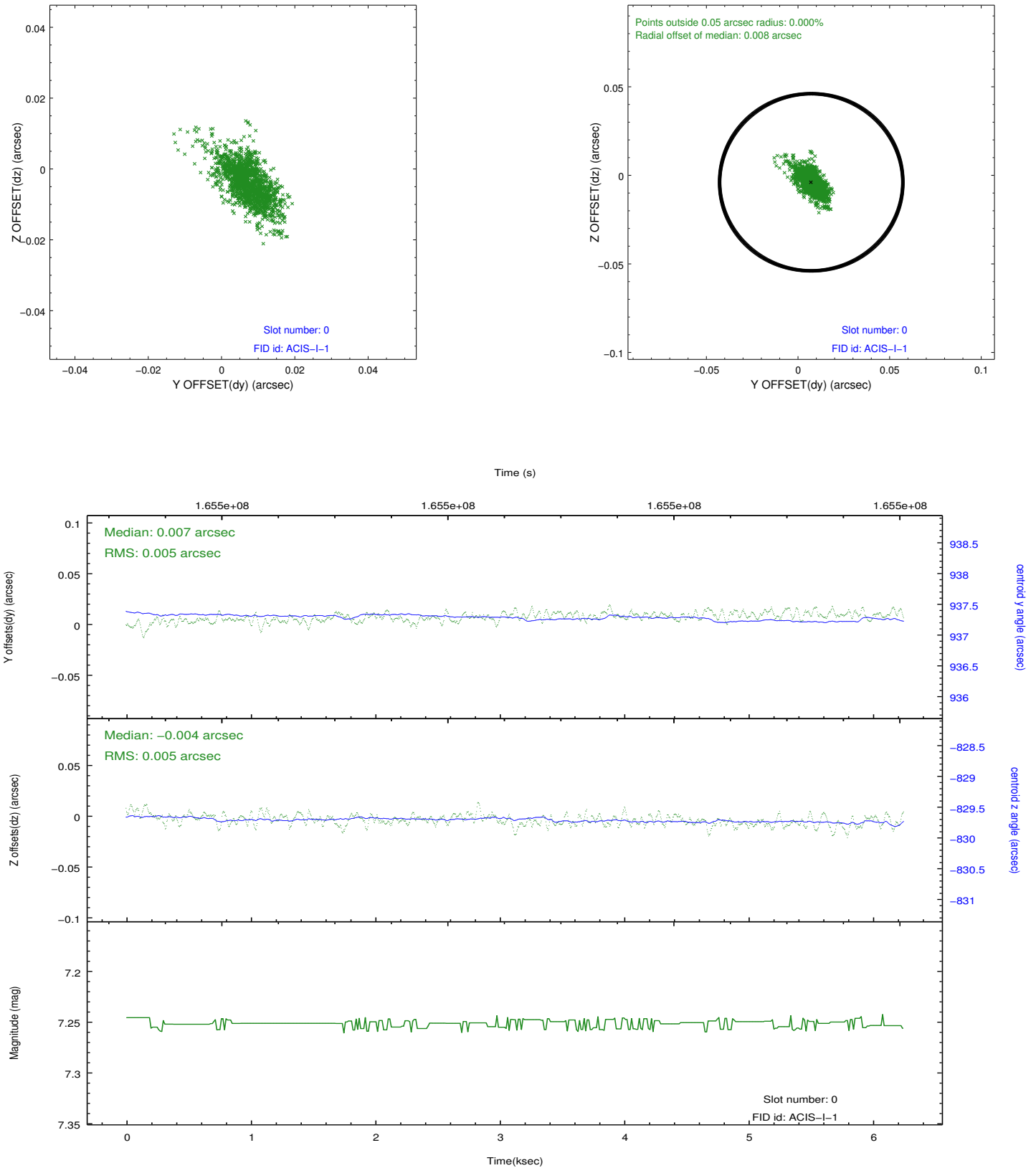


## 2.4.5 Slot 7

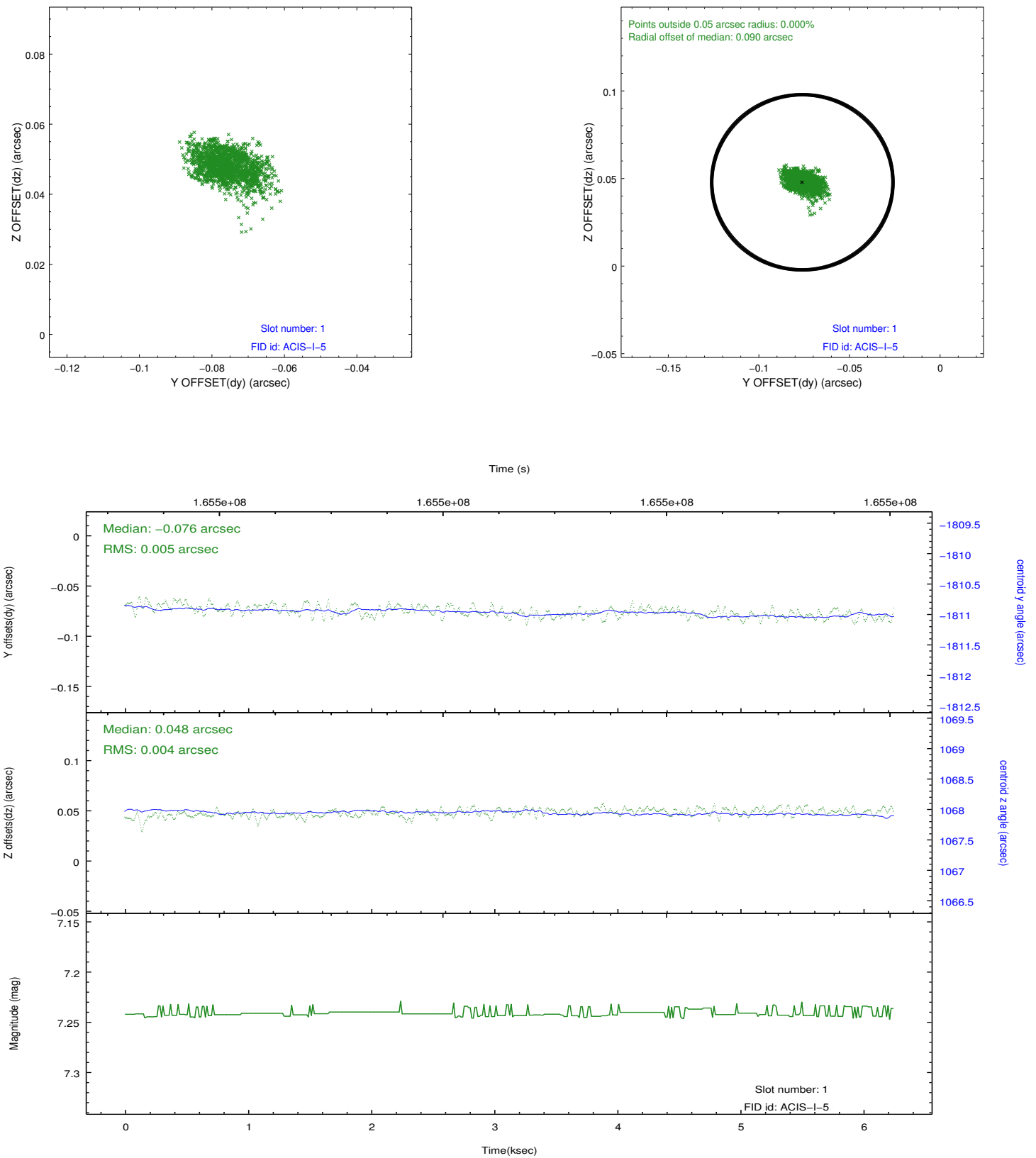


## 2.5 FID Slots

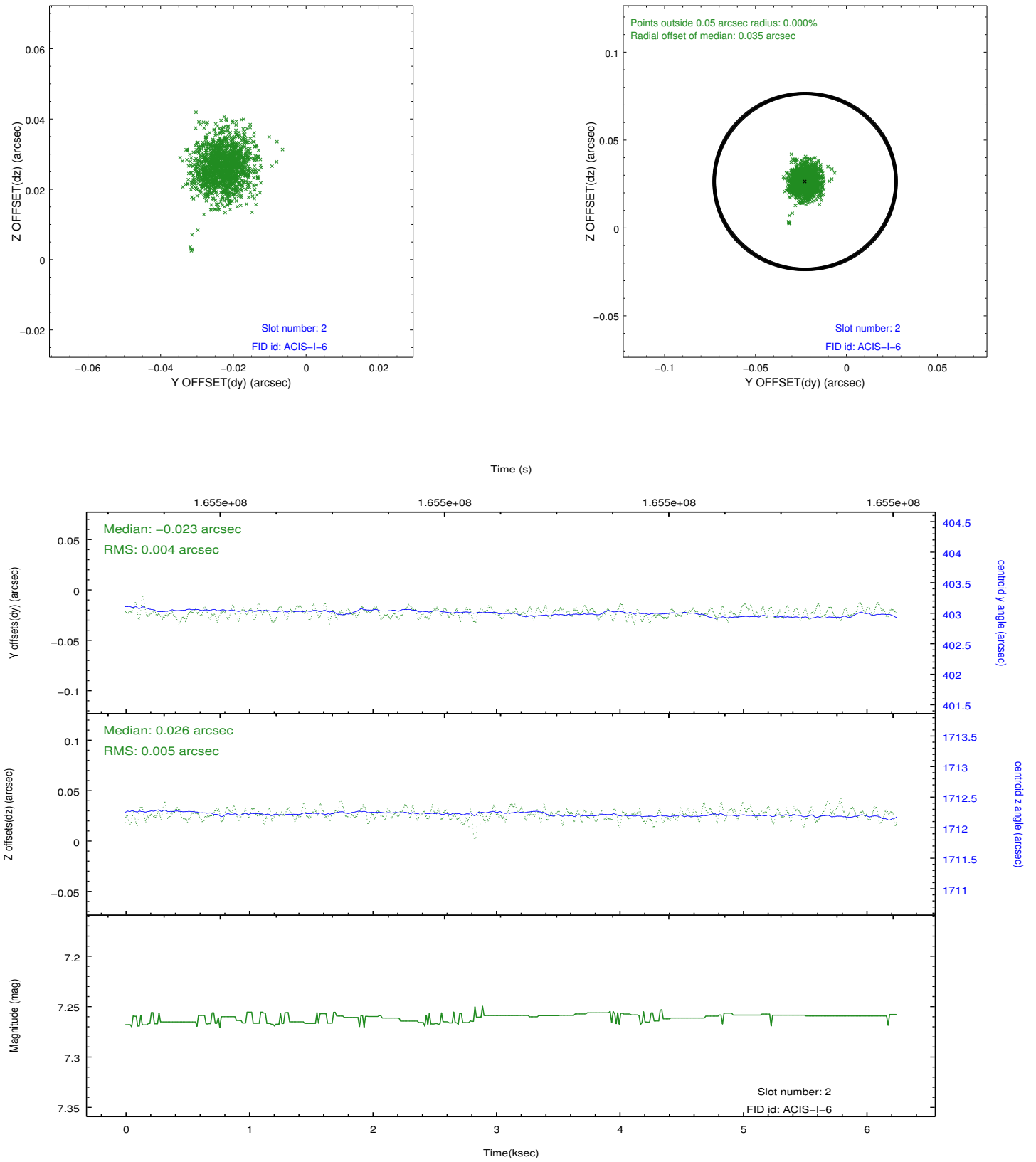
### 2.5.1 Slot 0



## 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	5.025

### **A.2 Comments**