

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9437 - L2 Version 2  
Chandra X-Ray Center

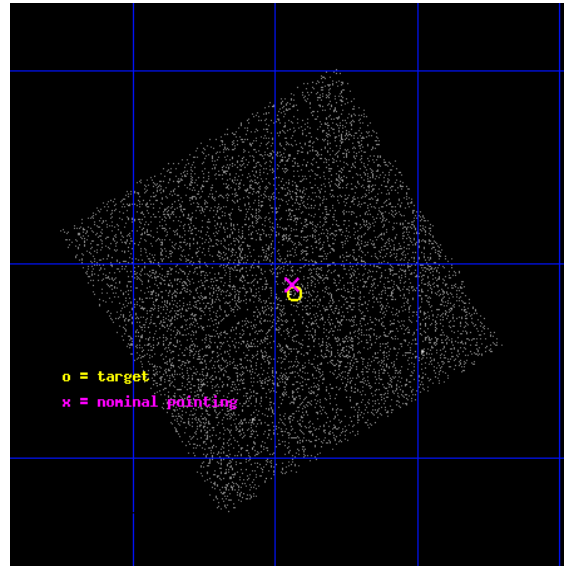
L2 Processing Date : May 23 2012

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# 1 Front

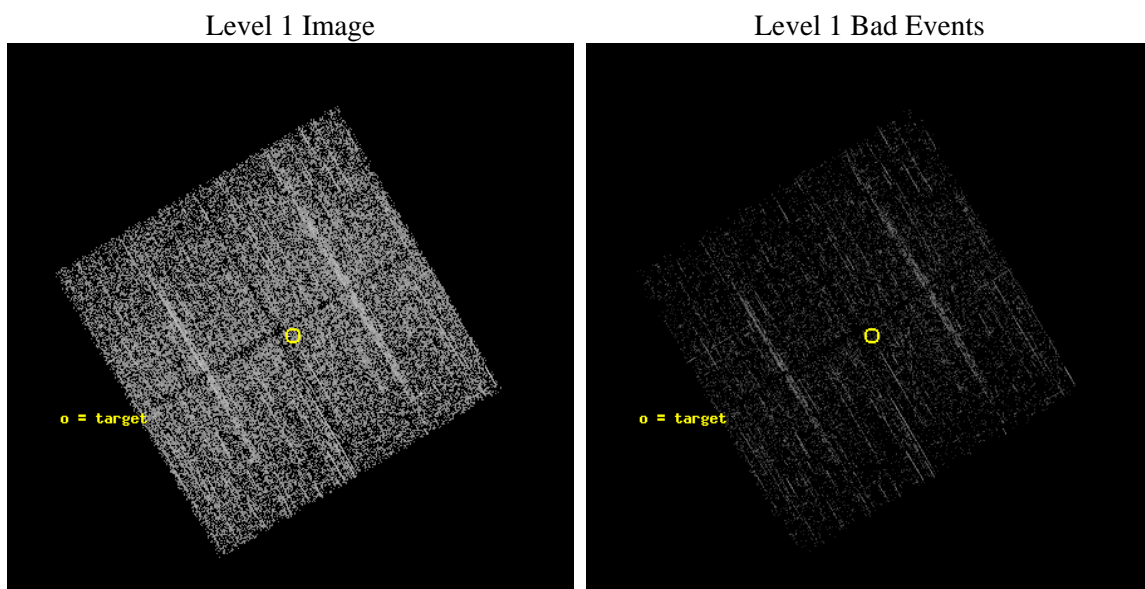
seq_num	900783	Sequence number
obs_id	9437	Observation id
title	Comparing the emission from an unbiased AGN sample with the X-ray background	Proposal title
observer	Dr Roland Walter	Principal investigator
object	RXS J122826.6+063828	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.108333	Observer's specified target RA [deg]
dec_targ	6.641111	Observer's specified target Dec [deg]
ra_nom	187.11034802774	Nominal RA [deg]
dec_nom	6.6488779184785	Nominal Dec [deg]
roll_nom	59.423533513352	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.8515538573	Sum of GTIs [s]
livetime	1948.0617301778	Livetime [s]
ontime0	1973.7284338474	Sum of GTIs [s]
ontime1	1973.7694738507	Sum of GTIs [s]
ontime2	1973.810513854	Sum of GTIs [s]
ontime3	1973.8515538573	Sum of GTIs [s]
l2events	8679	Number of level 2 events



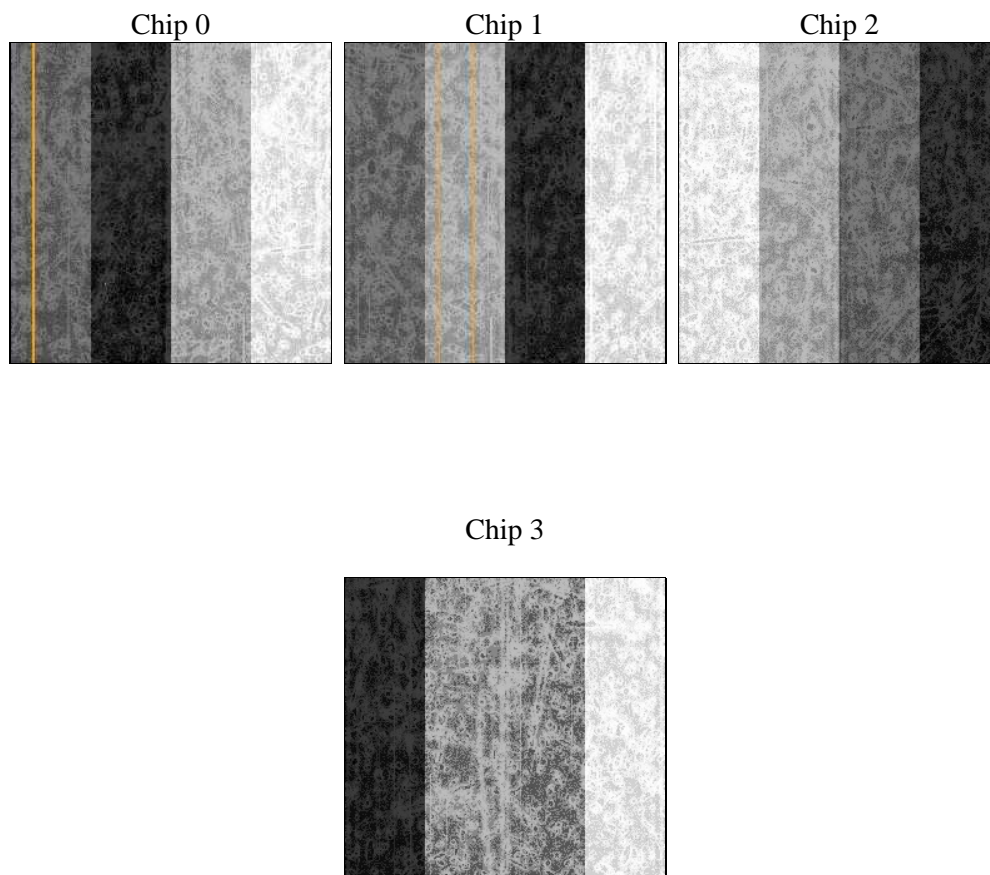
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1973.8515538573	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	1973.7284338474	Sum of GTIs [s]
date	2012-05-24T02:17:33	Date and time of file creation	ontime1	1973.7694738507	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.810513854	Sum of GTIs [s]
			ontime3	1973.8515538573	Sum of GTIs [s]
			l1events	78354	Number of level 1 events

### 2.1.4 Events

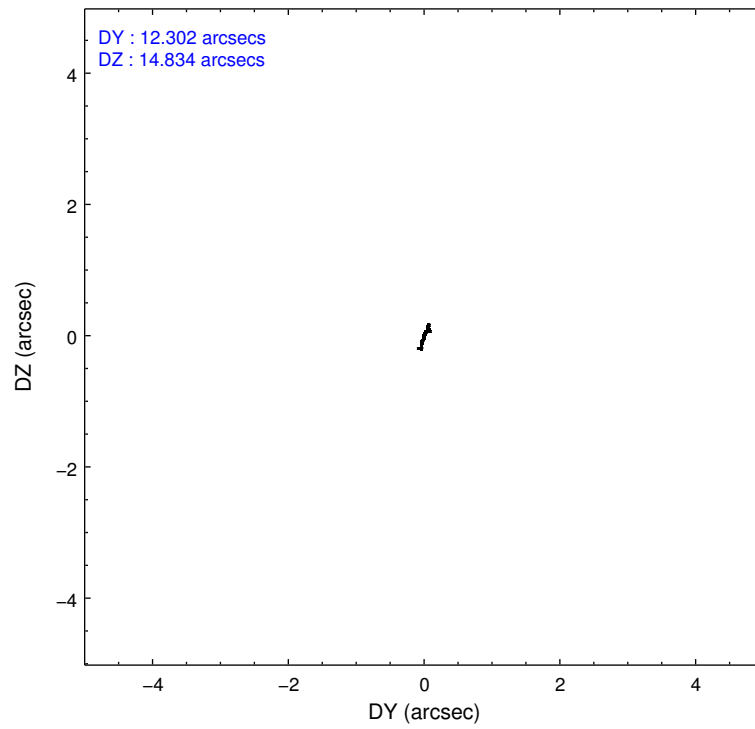
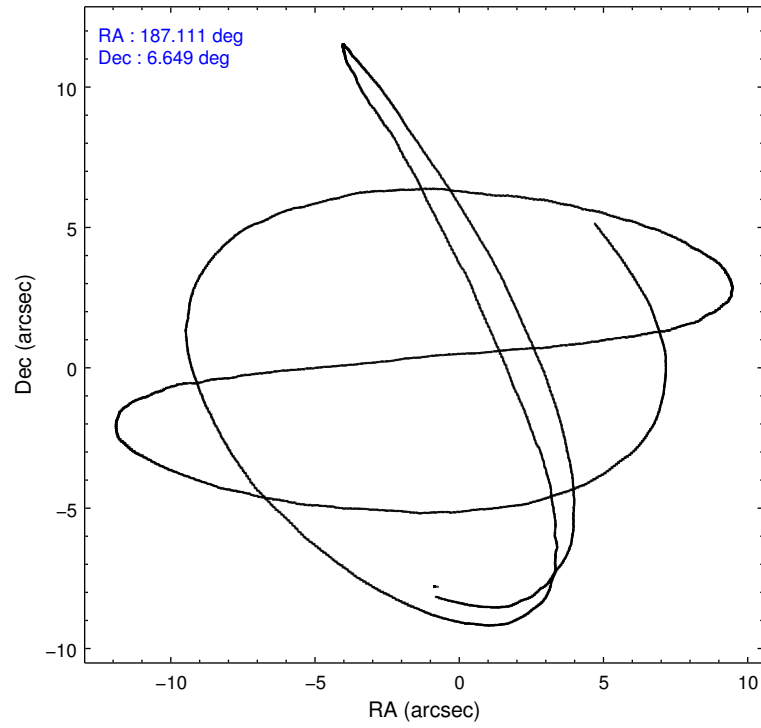
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	18143	19993	20227	19991
rejected events	15653	17351	17734	17440
rejected %	86%	86%	87%	87%

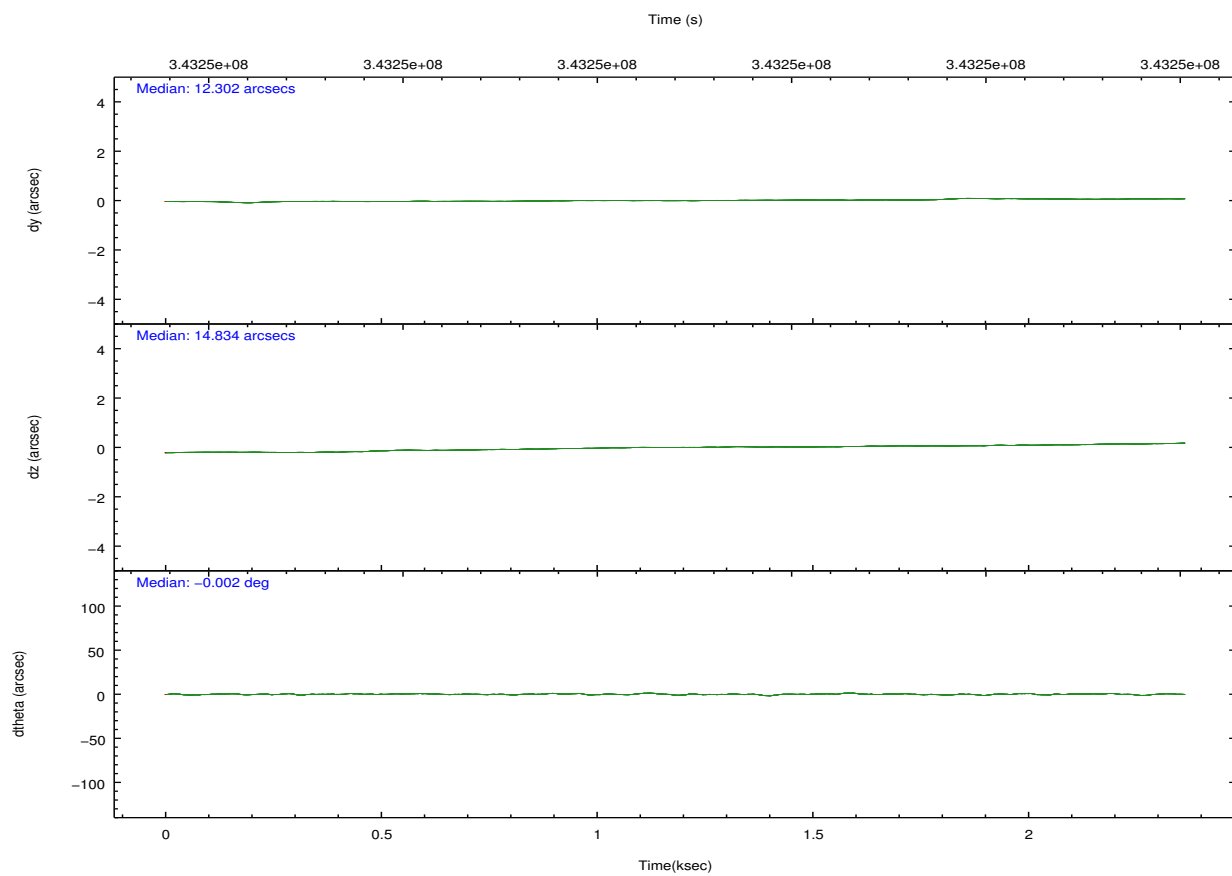
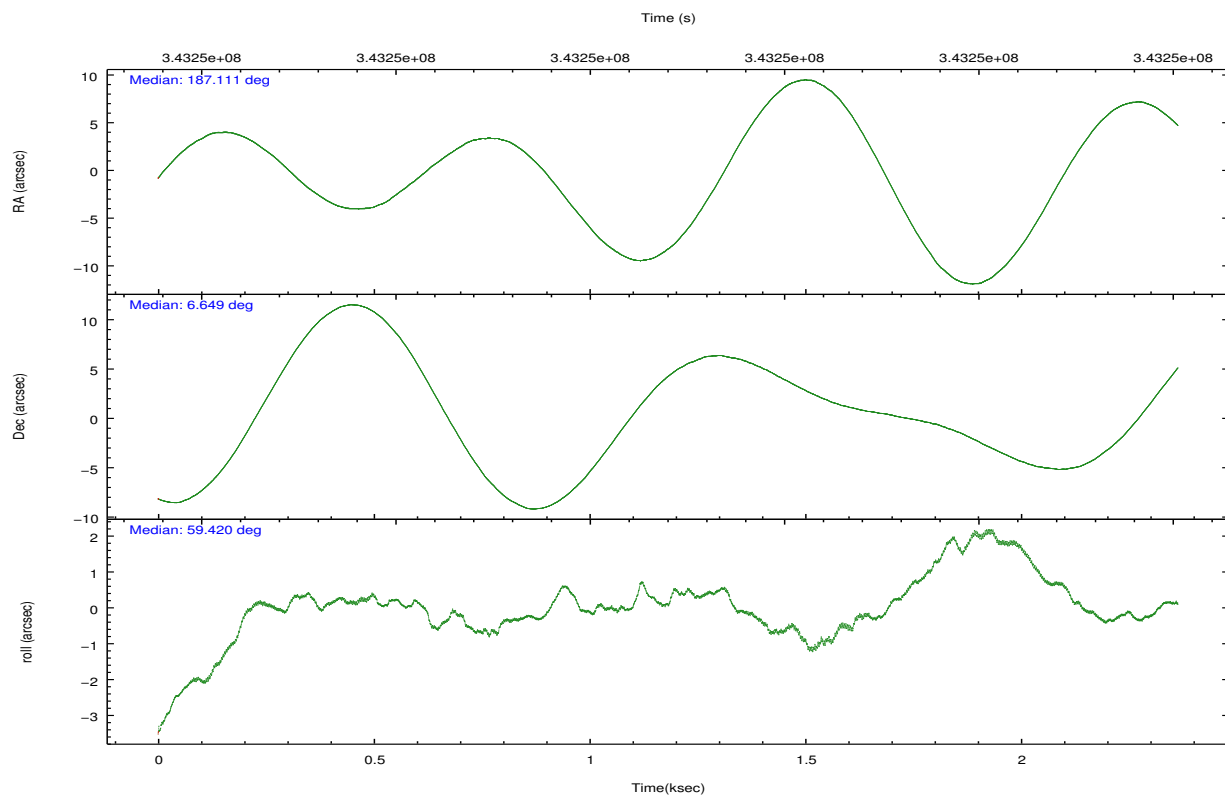
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1087	974	1126	1173
	5%	4%	5%	5%
grade 1 events	18	13	20	19
	0%	0%	0%	0%
grade 2 events	544	639	545	487
	2%	3%	2%	2%
grade 3 events	245	272	198	233
	1%	1%	0%	1%
grade 4 events	198	246	210	224
	1%	1%	1%	1%
grade 5 events	882	881	814	960
	4%	4%	4%	4%
grade 6 events	424	520	418	444
	2%	2%	2%	2%
grade 7 events	14745	16448	16896	16451
	81%	82%	83%	82%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	187.110033	187.1103480277432	Subarray requested	NONE	NONE
[deg] Pointing Dec	6.621479	6.648877918478471	Alternating exposures requested	N	N
[deg] Pointing Roll	59.214905	59.42353351335154	[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)	343246199.184000	343245762.117			
Observation start date	2008-11-16T18:08:54	2008-11-16T18:02:42			
[s] Observation end time (MET)	343248379.184000	343248747.94215			
Observation end date	2008-11-16T18:45:14	2008-11-16T18:52:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect





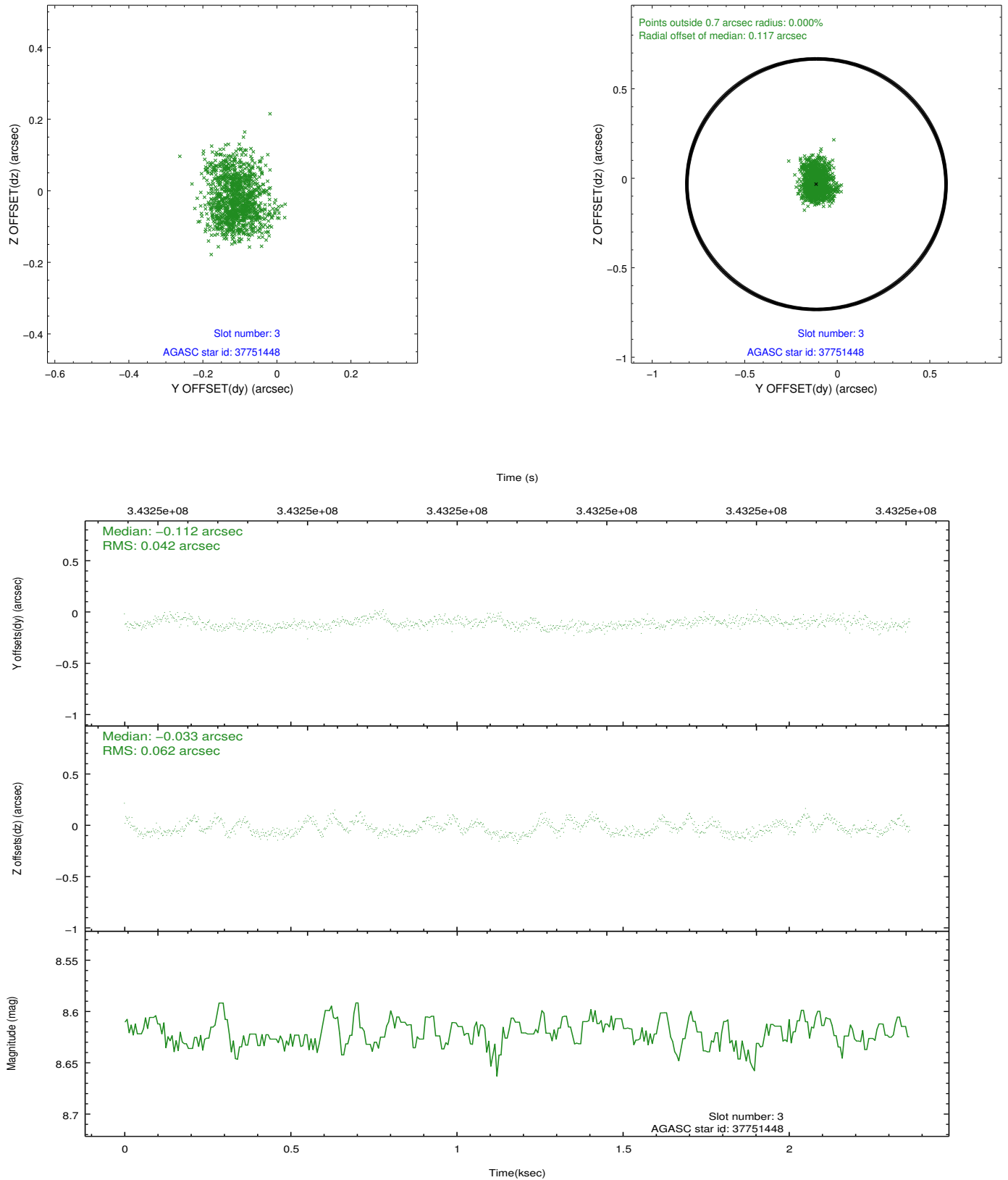
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	577	-0.028	0.030	0.010	0.019	0.000000	0.000000	927.20	-838.37
1	FID	ACIS-I-4	6.98	577	0.136	0.017	0.009	0.015	0.000000	0.000000	2148.93	1060.05
2	FID	ACIS-I-5	7.03	577	-0.205	0.024	0.007	0.012	0.000000	0.000000	-1817.45	1061.02
3	GUIDE	37751448	8.62	1154	-0.112	-0.033	0.079	0.129	186.840242	7.148441	1136.73	1799.84
4	GUIDE	37753024	7.98	1154	-0.210	-0.265	0.076	0.118	186.830113	7.241612	1407.32	2004.23
5	GUIDE	37755024	8.14	1154	-0.072	-0.230	0.068	0.109	187.037308	7.093611	1328.32	1095.93
6	GUIDE	37755216	9.01	1153	0.102	0.499	0.108	0.166	187.461192	6.009786	-1246.44	-2204.82
7	GUIDE	37757304	8.23	1153	0.284	0.023	0.072	0.119	187.266098	5.960690	-1757.89	-1699.00

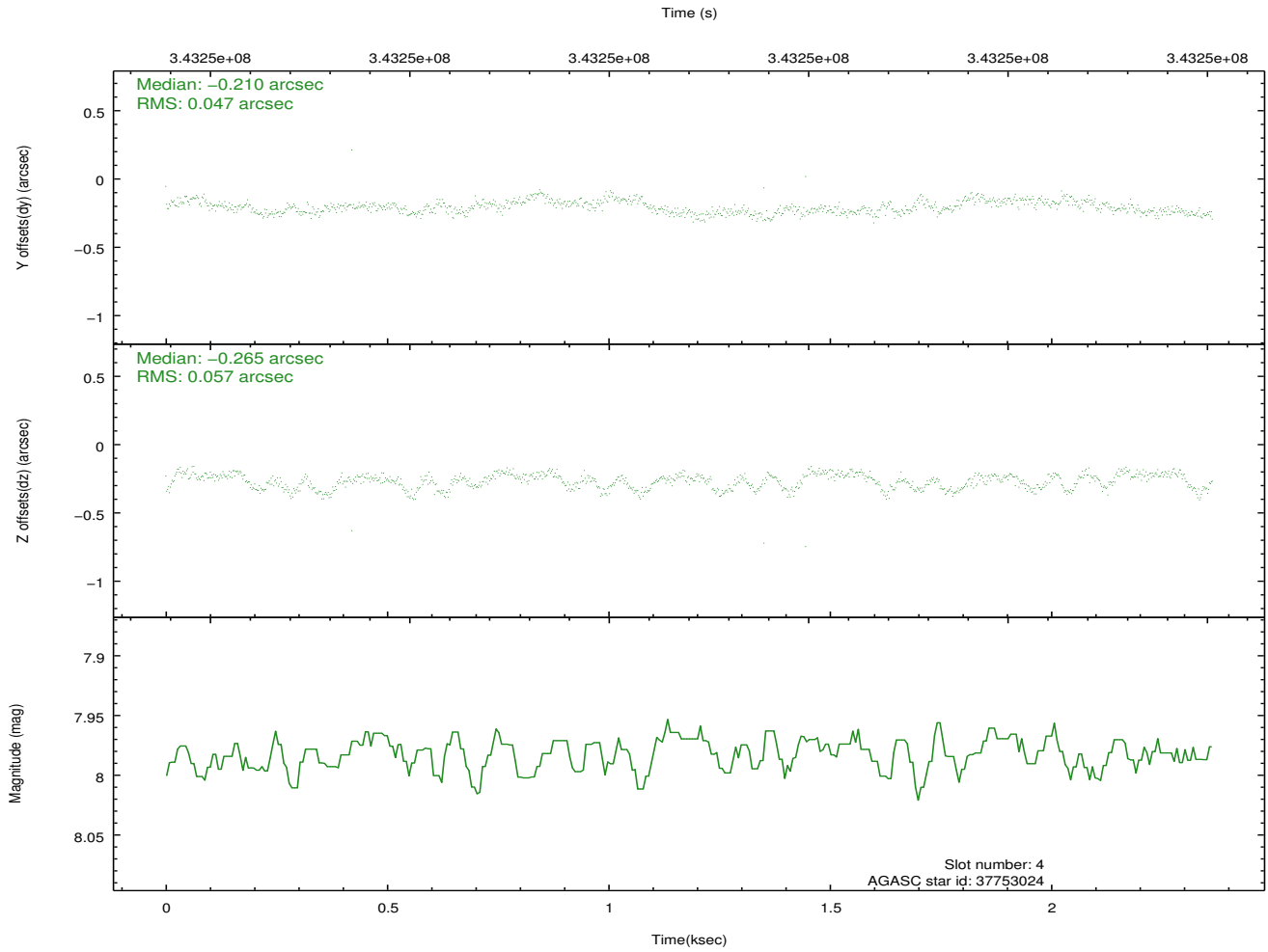
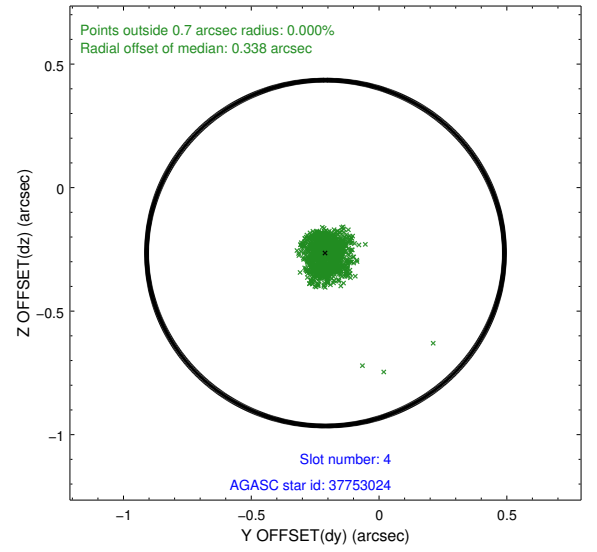
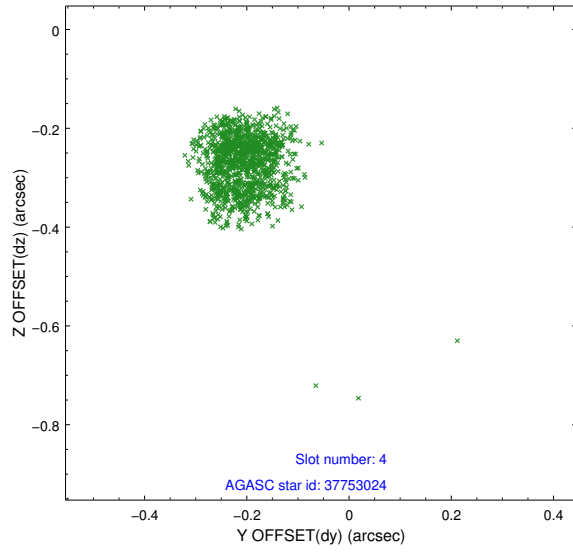


## 2.4 Star Slots

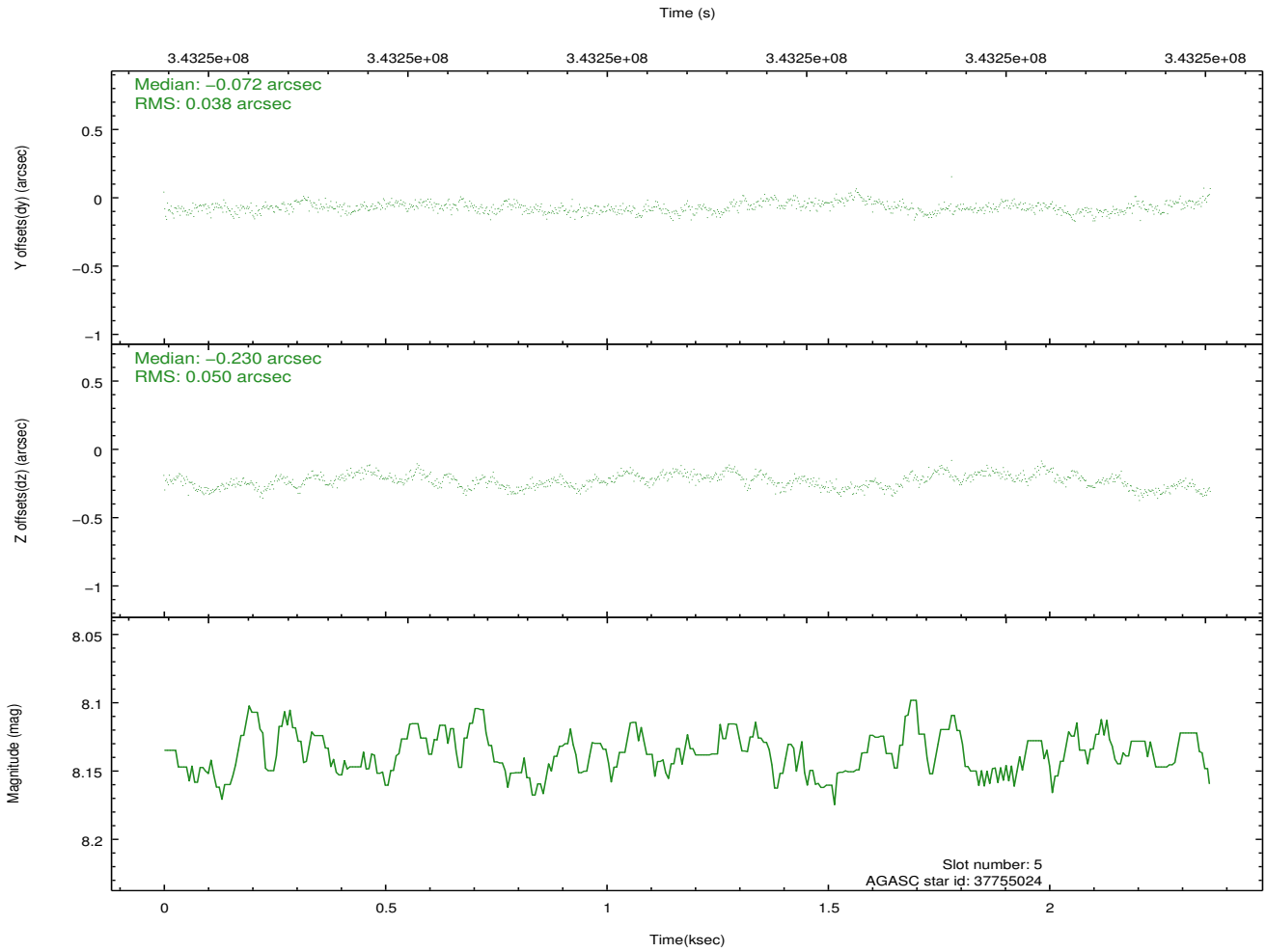
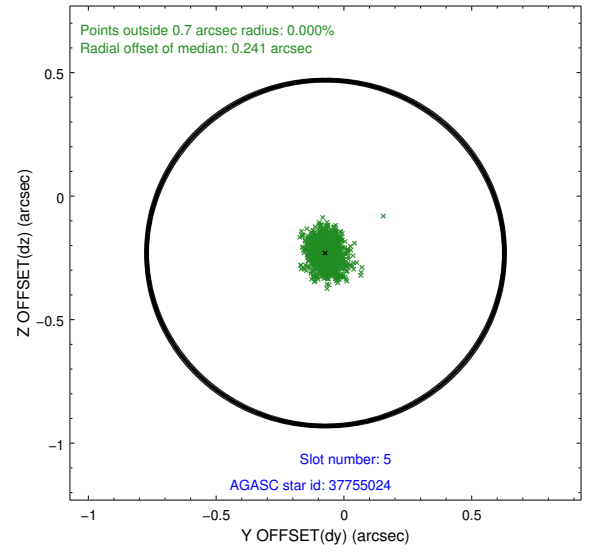
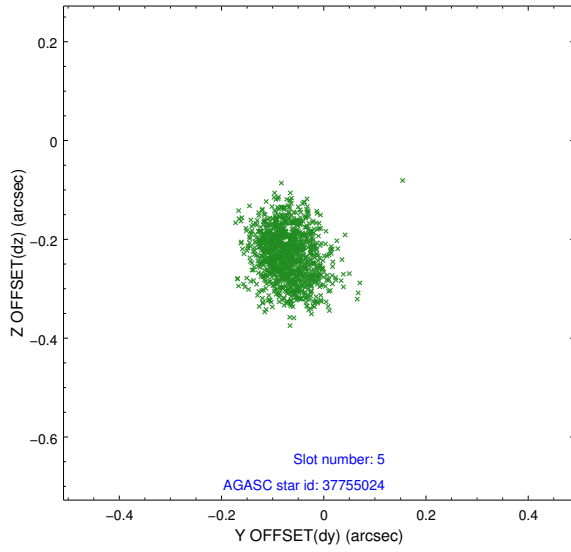
### 2.4.1 Slot 3



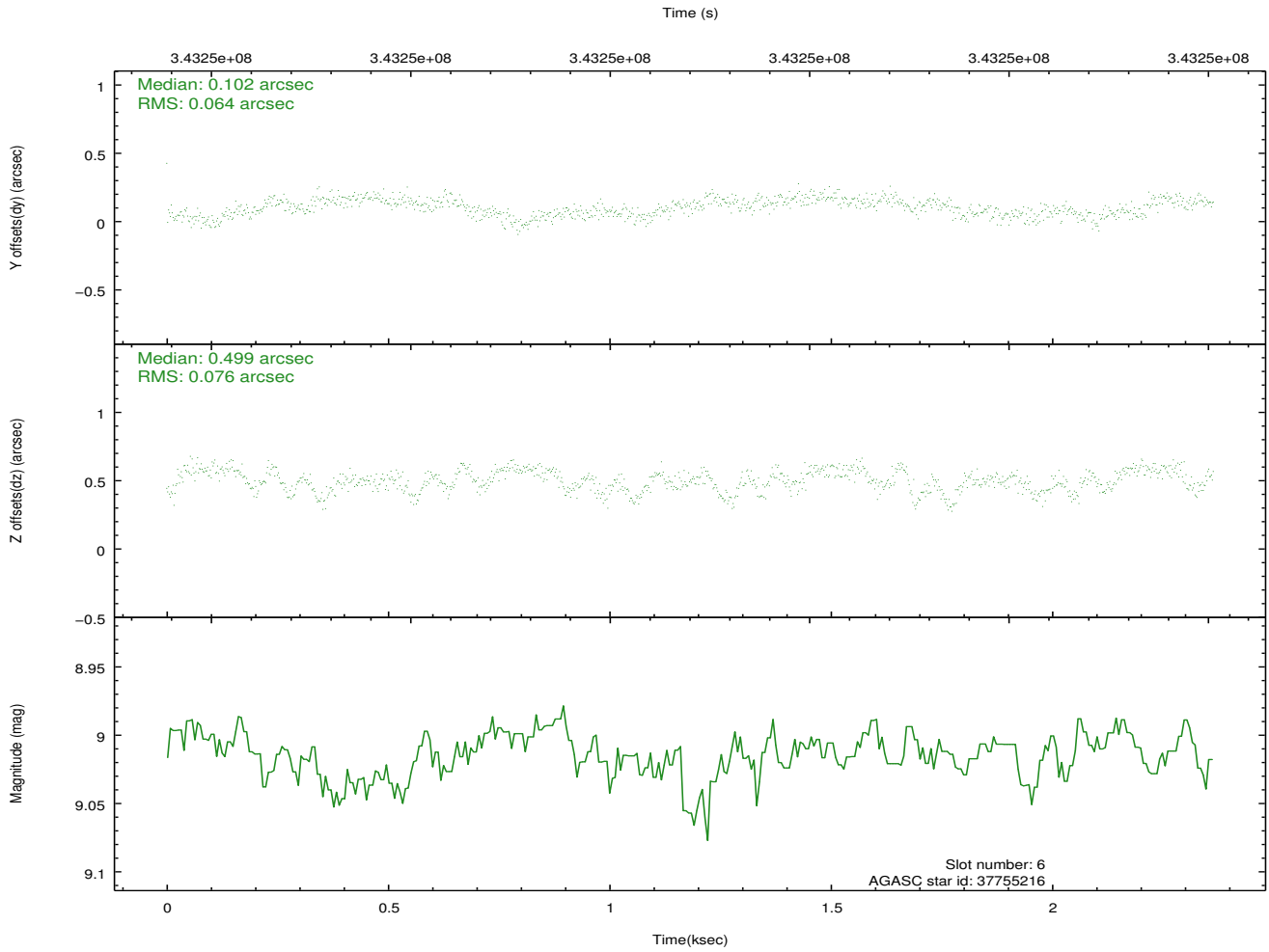
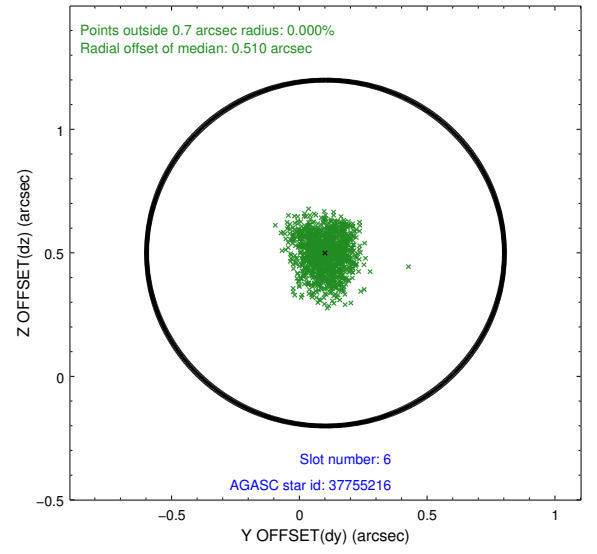
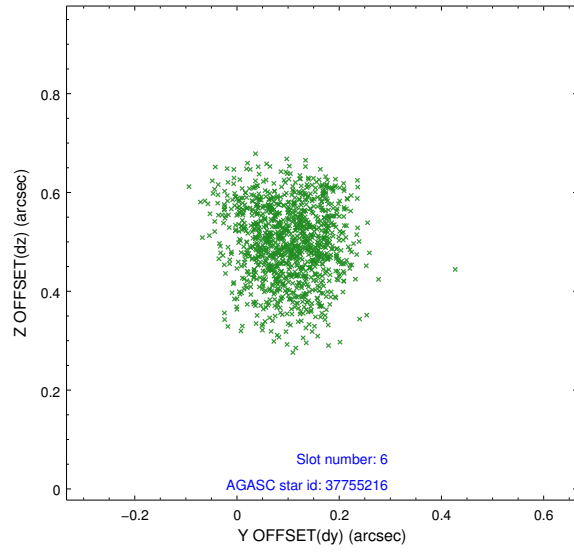
## 2.4.2 Slot 4



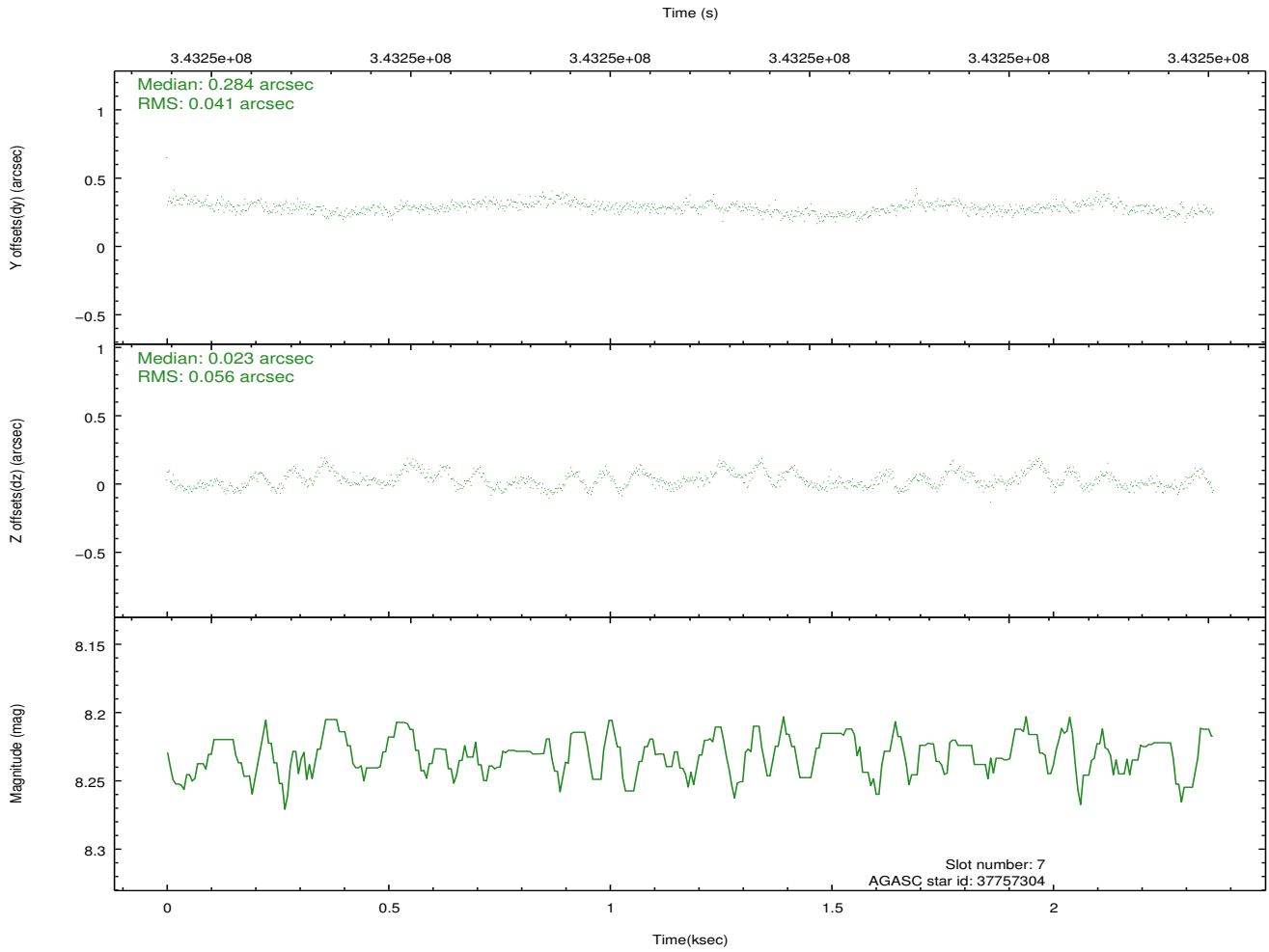
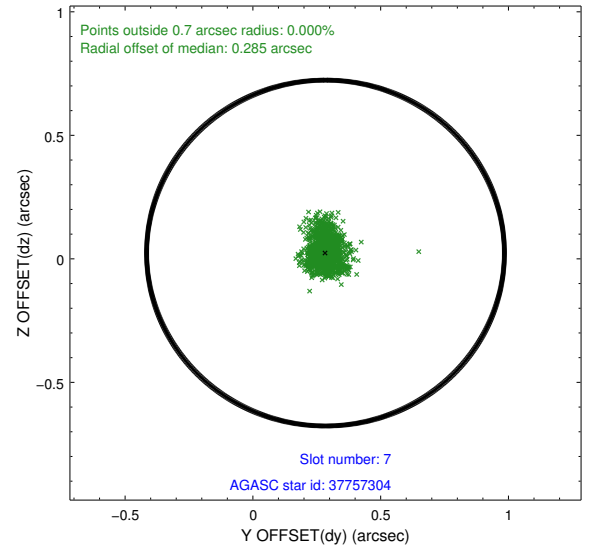
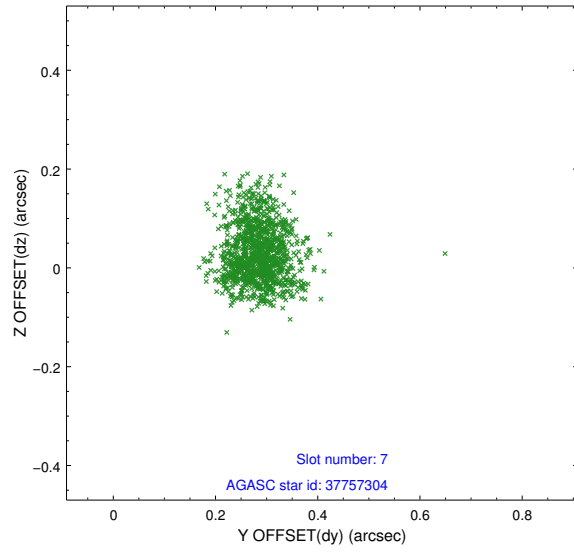
### 2.4.3 Slot 5



## 2.4.4 Slot 6

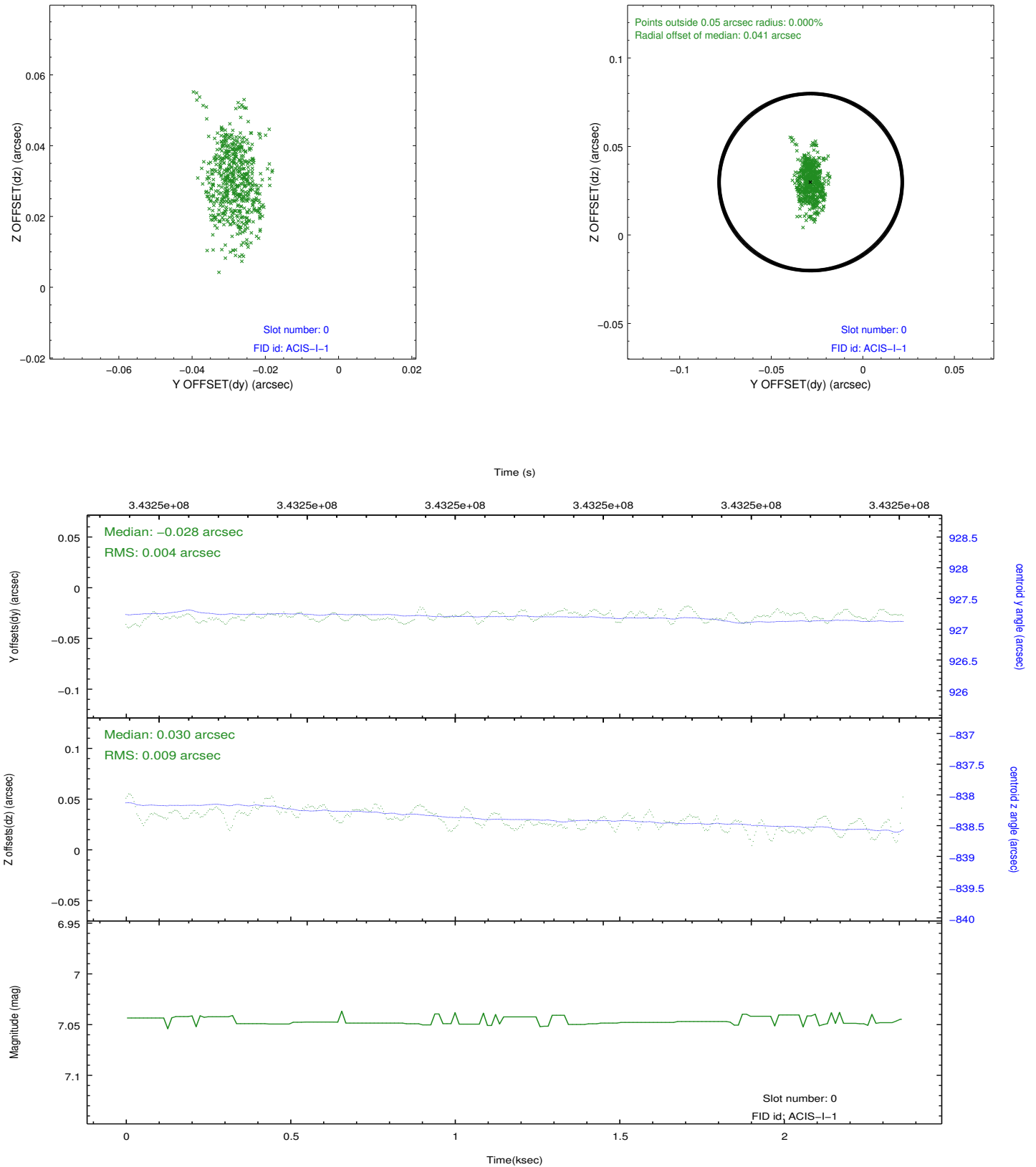


## 2.4.5 Slot 7

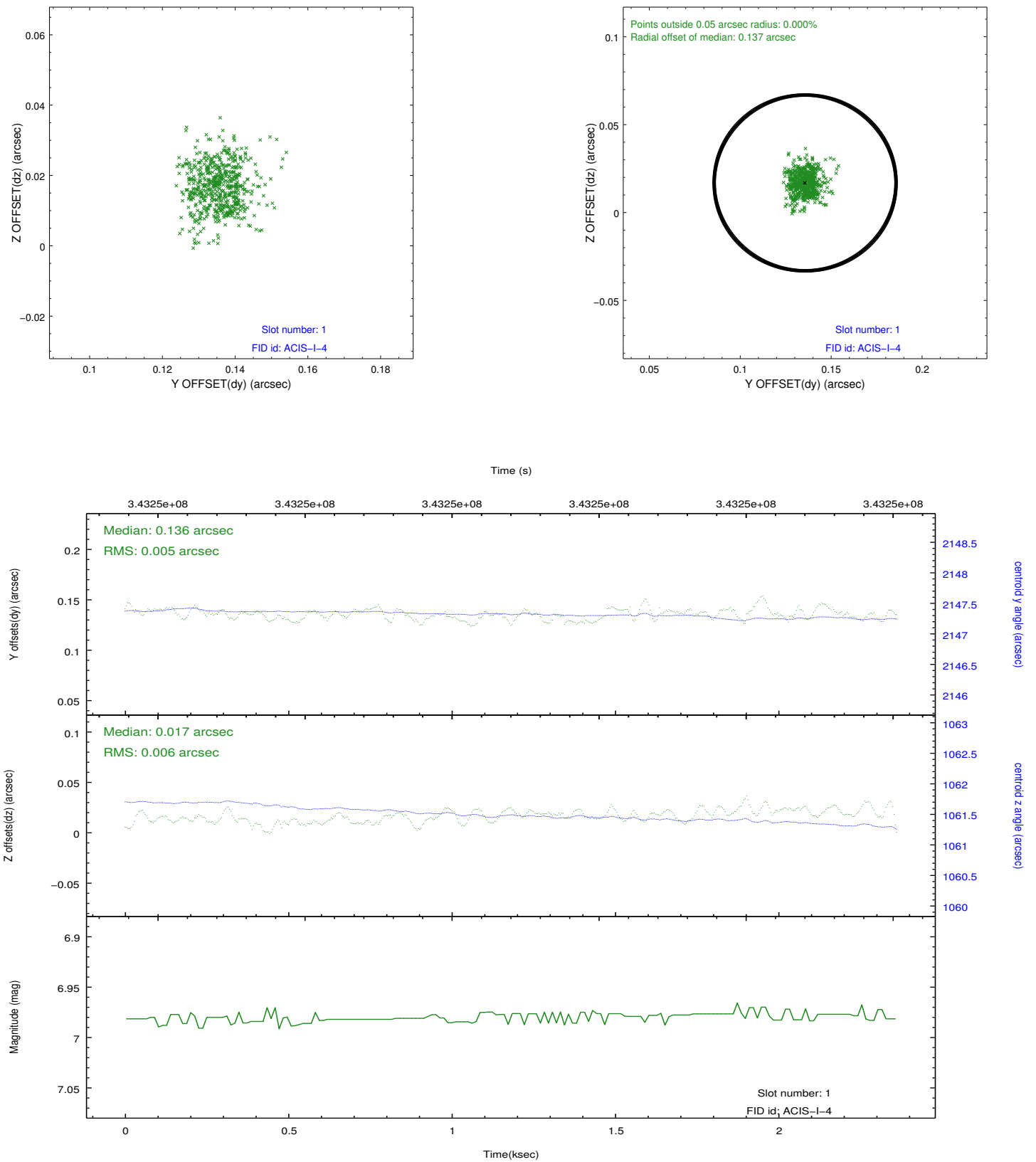


## 2.5 FID Slots

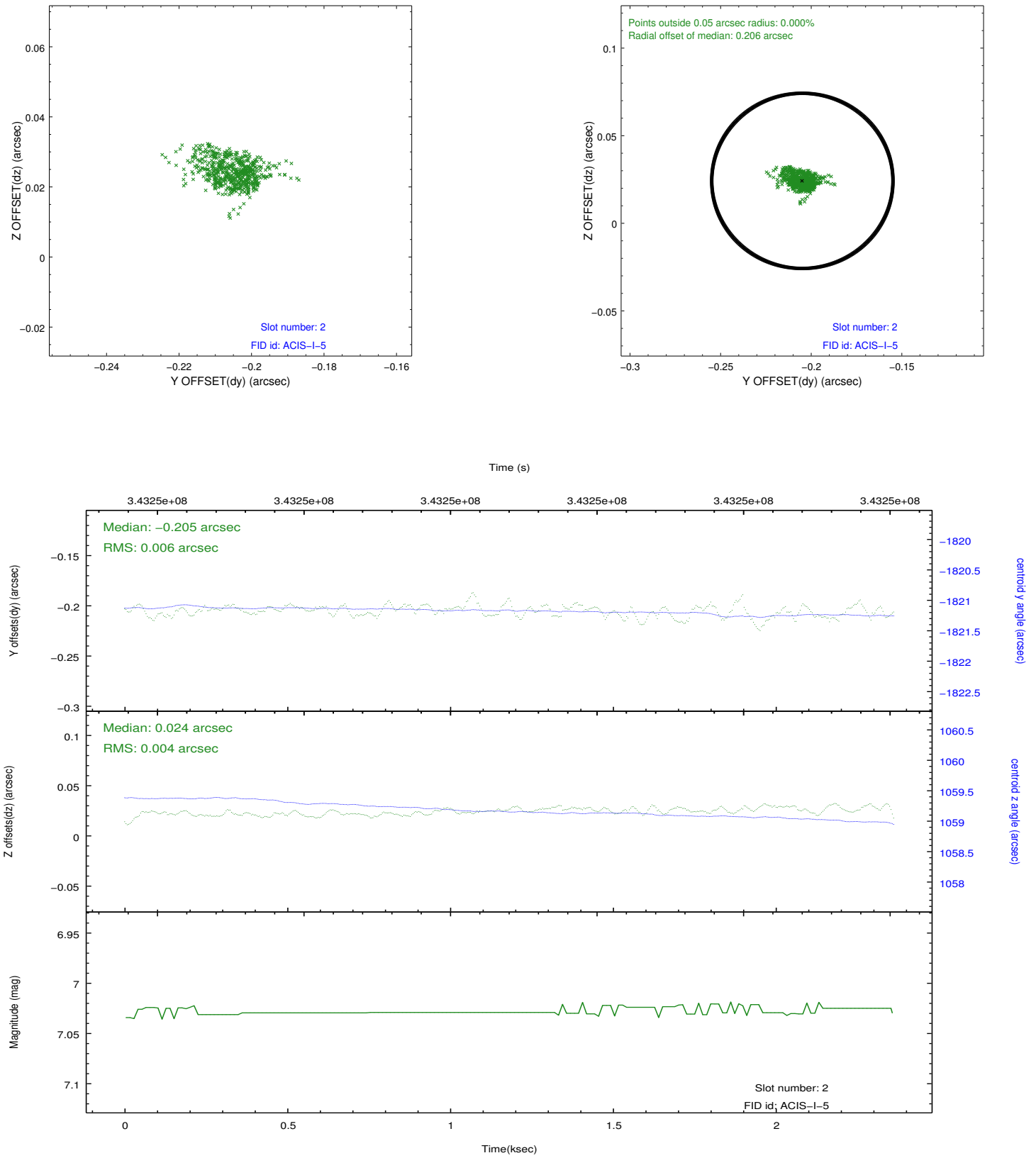
### 2.5.1 Slot 0



## 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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.97470001

### A.2 Comments