

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5594 - L2 Version 3  
Chandra X-Ray Center

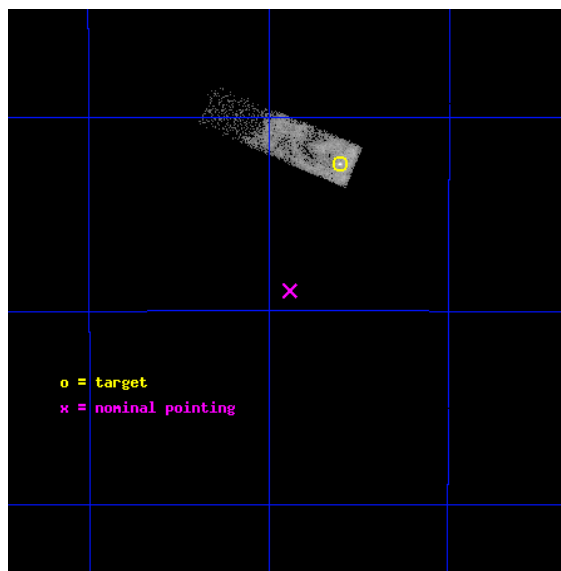
L2 Processing Date : Dec 25 2012

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# 1 Front

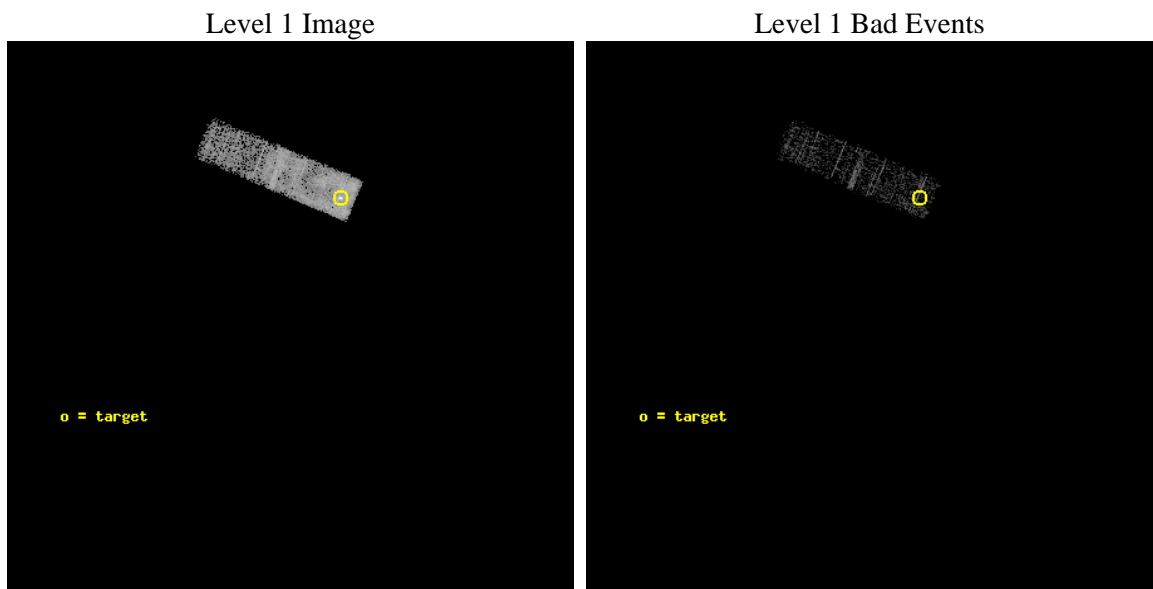
seq_num	500583	Sequence number
obs_id	5594	Observation id
title	Monitoring of the Central Object in RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.47081781944	Nominal RA [deg]
dec_nom	-51.14944065325	Nominal Dec [deg]
roll_nom	292.87020467209	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5183.2000772357	Sum of GTIs [s]
livetime	4930.2768736191	Livetime [s]
ontime3	5183.2000772357	Sum of GTIs [s]
l2events	11184	Number of level 2 events



## 2 OBI

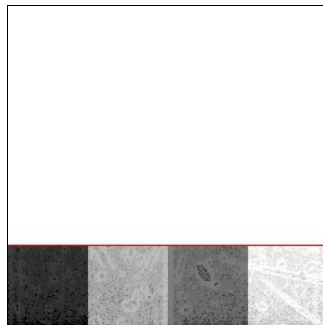
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5183.2000772357	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime3	5183.2000772357	Sum of GTIs [s]
date	2012-12-25T23:53:48	Date and time of file creation	l1events	20637	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	20637
rejected events	9118
rejected %	44%

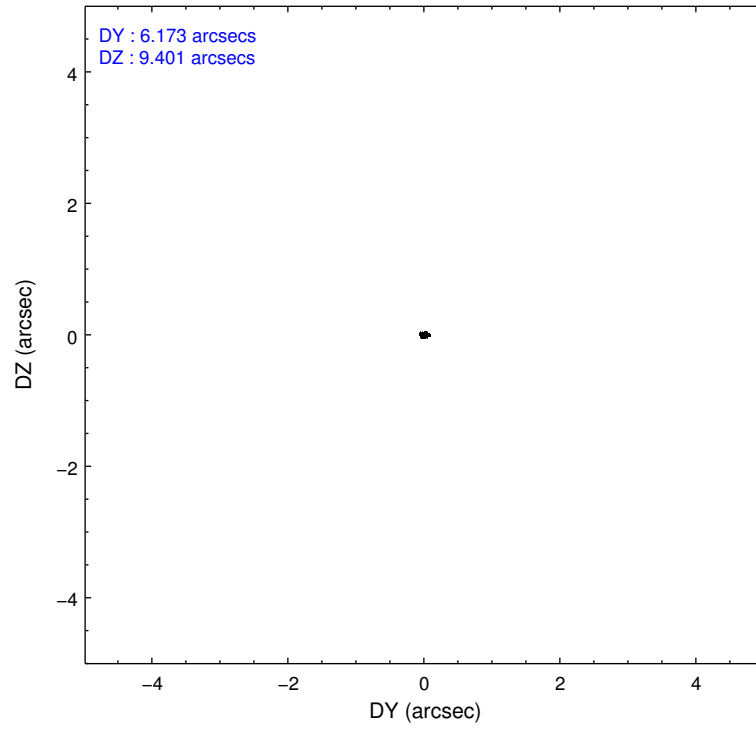
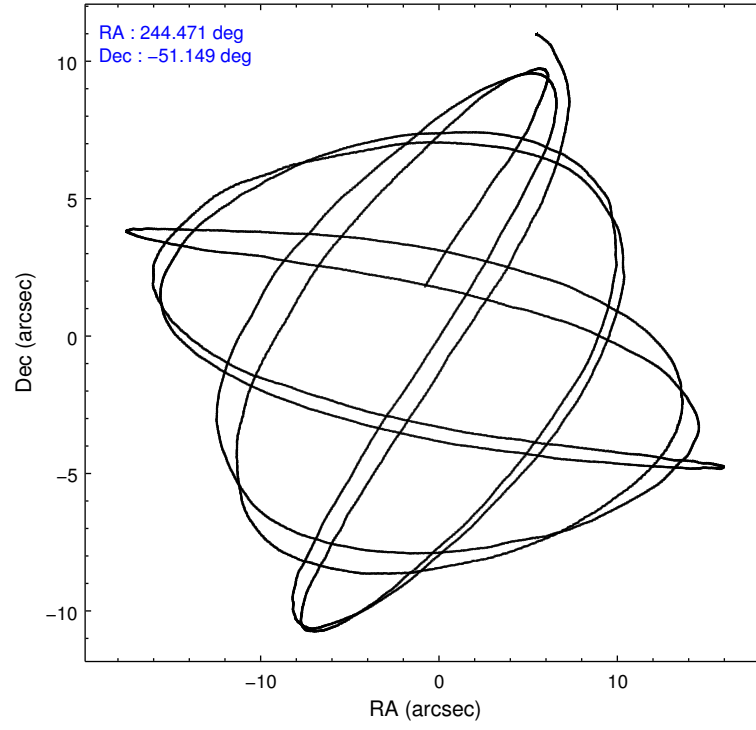
	<b>ccd 3</b>
grade 0 events	9428
	45%
grade 1 events	13
	0%
grade 2 events	1108
	5%
grade 3 events	425
	2%
grade 4 events	367
	1%
grade 5 events	156
	0%
grade 6 events	251
	1%
grade 7 events	8889
	43%

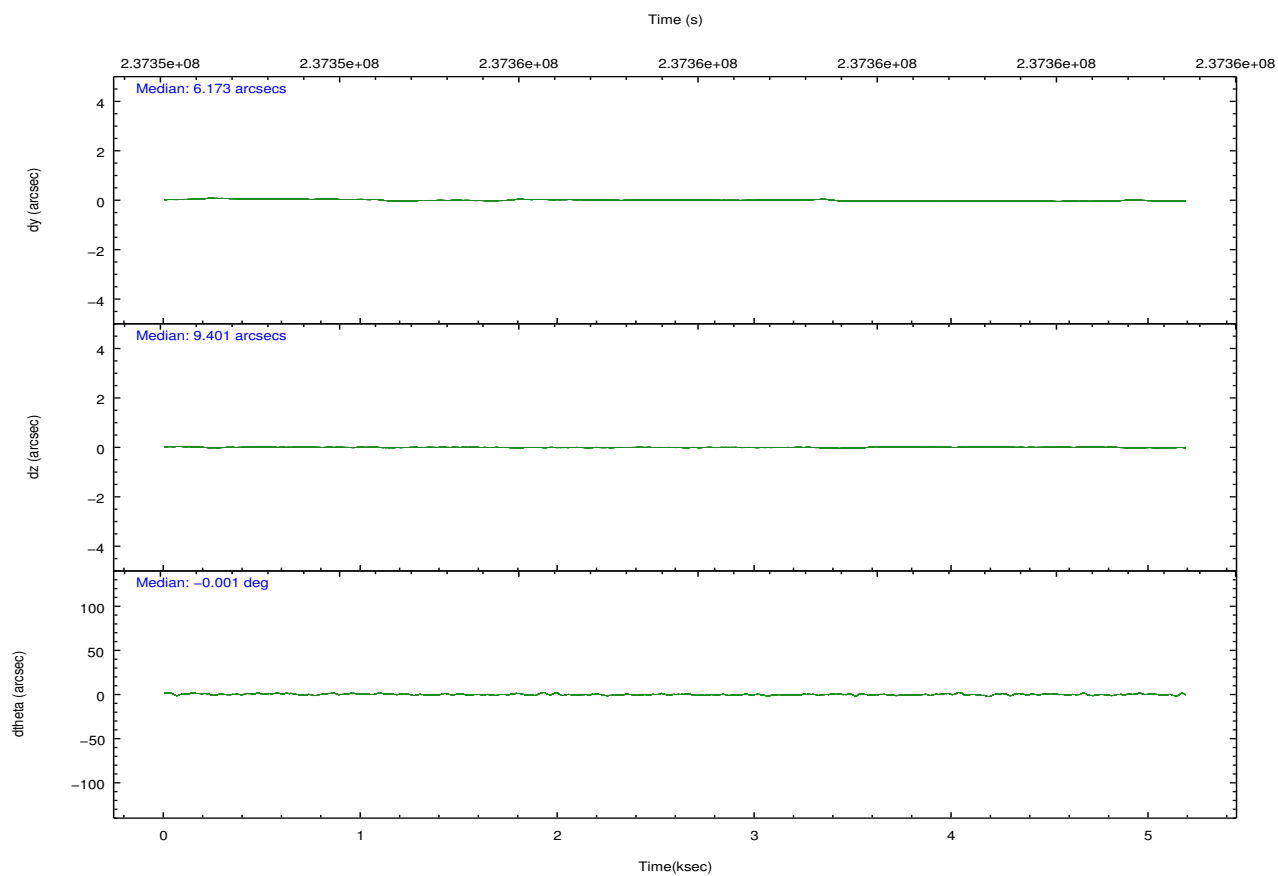
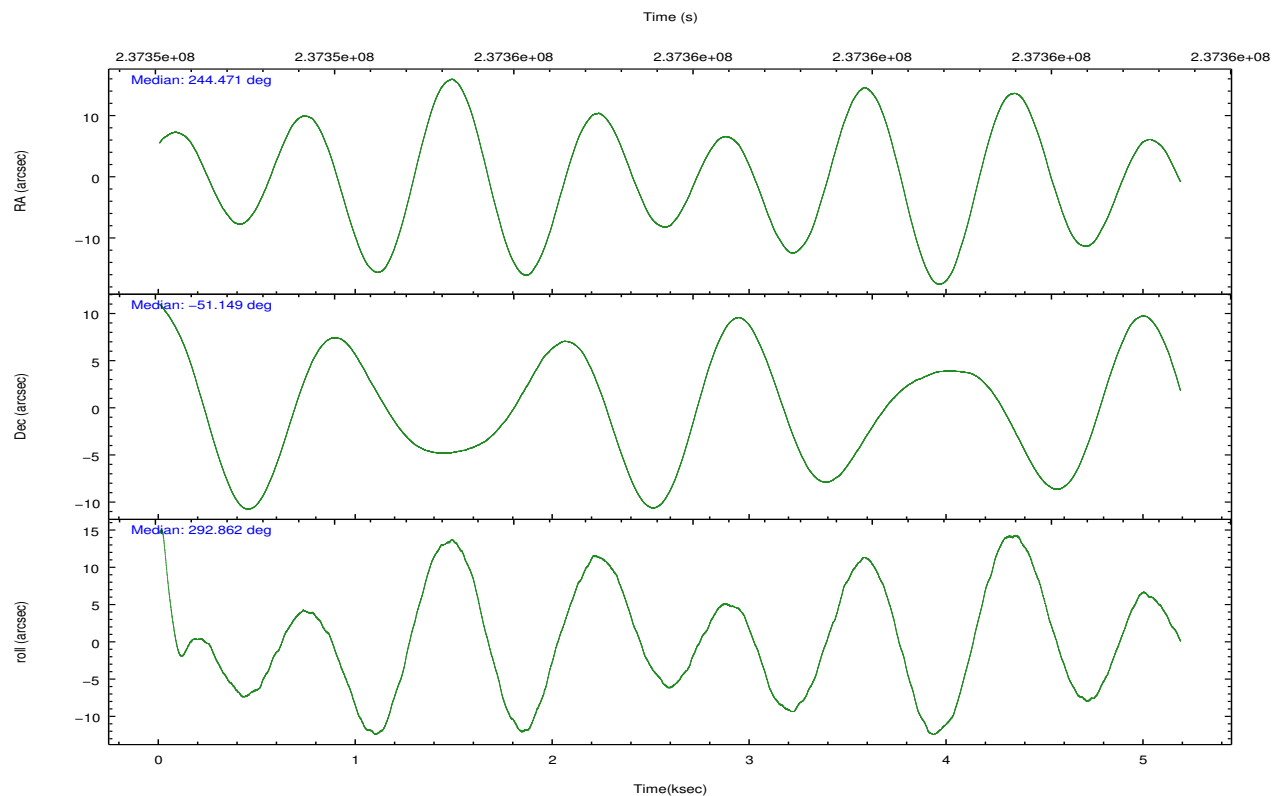


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	244.435790	244.4708178194407	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-51.133067	-51.14944065324957	Subarray start row	1	1
[deg] Pointing Roll	292.634234	292.8702046720948	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	237353471.184000	237352819.73308			
Observation start date	2005-07-10T03:30:07	2005-07-10T03:20:19			
[s] Observation end time (MET)	237358471.184000	237359397.67088			
Observation end date	2005-07-10T04:53:27	2005-07-10T05:09:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect



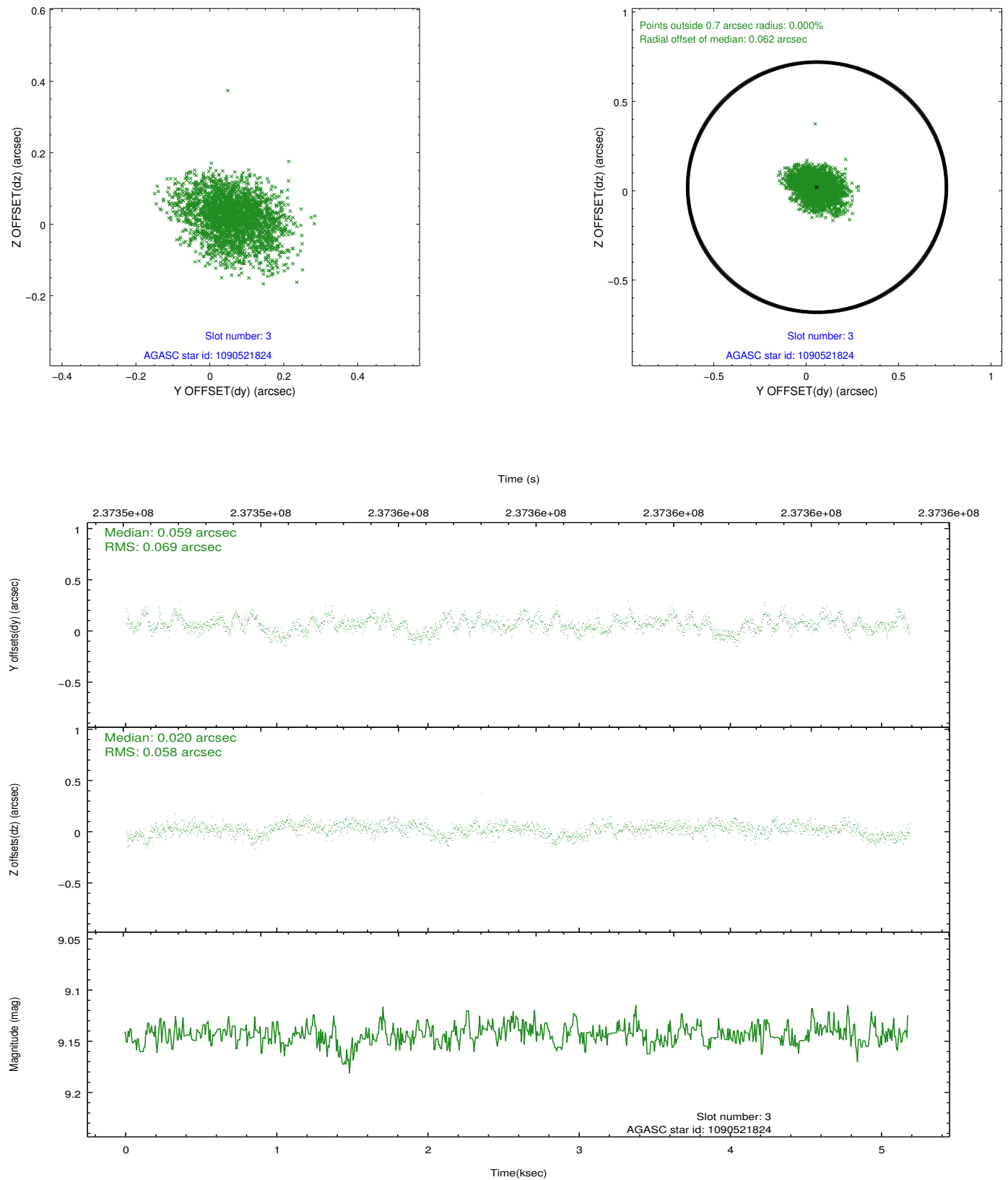


### Slot Statistics

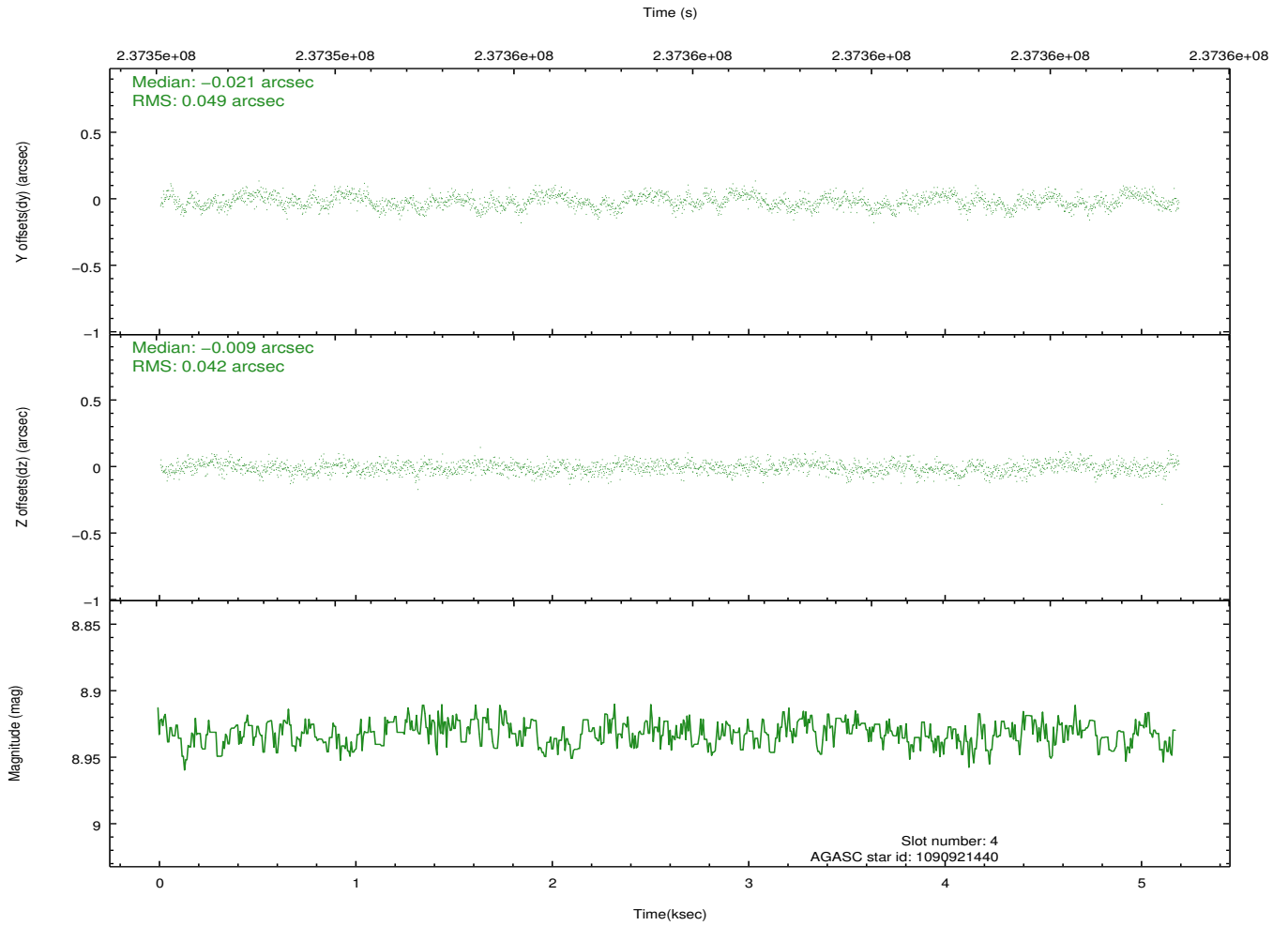
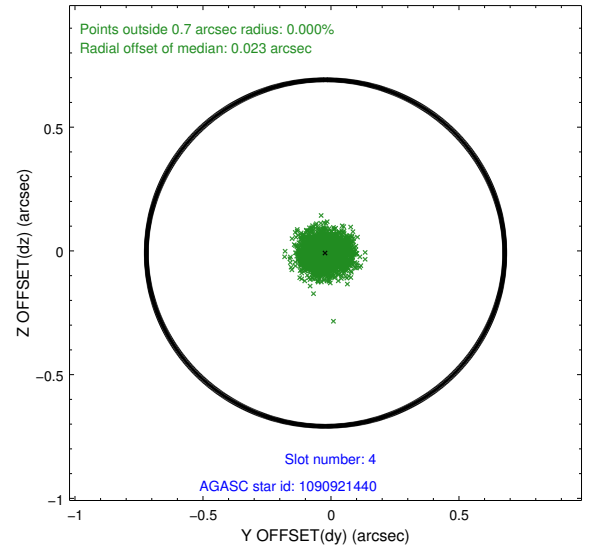
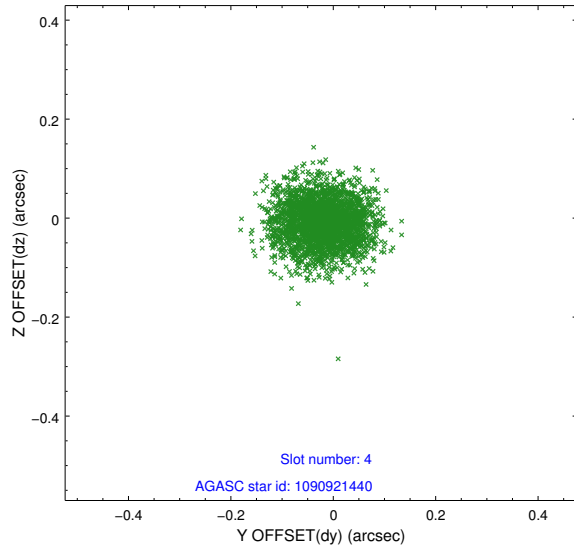
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1265	-0.053	0.034	0.007	0.013	0.000000	0.000000	933.46	-832.84
1	FID	ACIS-I-4	7.18	1265	0.026	0.030	0.009	0.015	0.000000	0.000000	2154.28	1066.35
2	FID	ACIS-I-6	7.26	1265	-0.070	0.002	0.008	0.014	0.000000	0.000000	400.92	1709.87
3	GUIDE	1090521824	9.14	2529	0.059	0.020	0.098	0.159	244.711253	-50.470098	-1958.64	1500.49
4	GUIDE	1090921440	8.93	2529	-0.021	-0.009	0.070	0.110	243.292741	-50.752608	-2247.60	-1883.34
5	GUIDE	1090924096	8.06	2530	0.069	-0.022	0.057	0.090	243.849549	-51.016855	-892.49	-1067.28
6	GUIDE	1090924384	8.06	2530	-0.043	0.005	0.074	0.118	243.330505	-50.934017	-1608.85	-2046.74
7	GUIDE	1091059112	9.07	2528	-0.071	0.012	0.079	0.128	245.180420	-50.736664	-656.92	2110.86

## 2.4 Star Slots

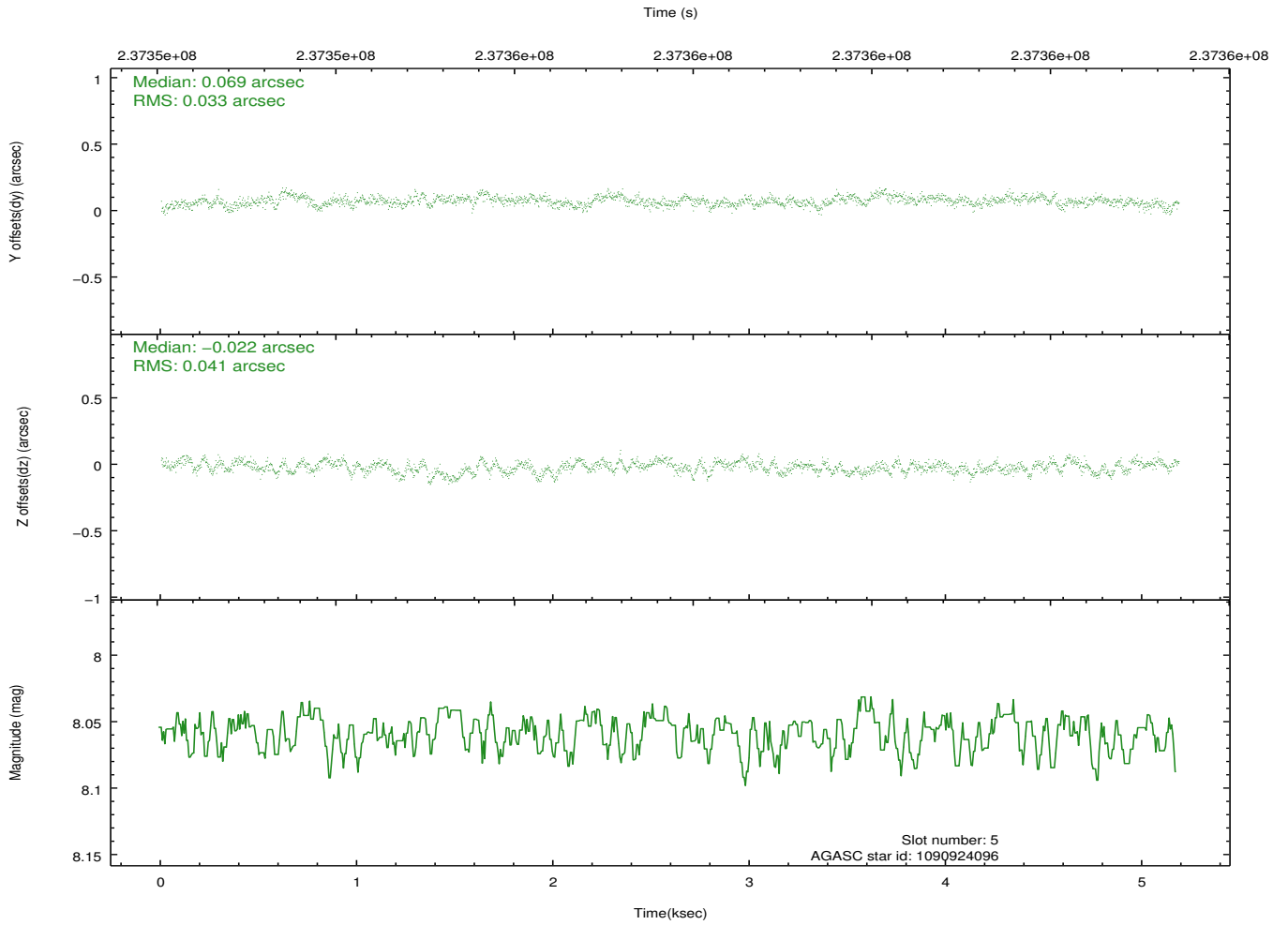
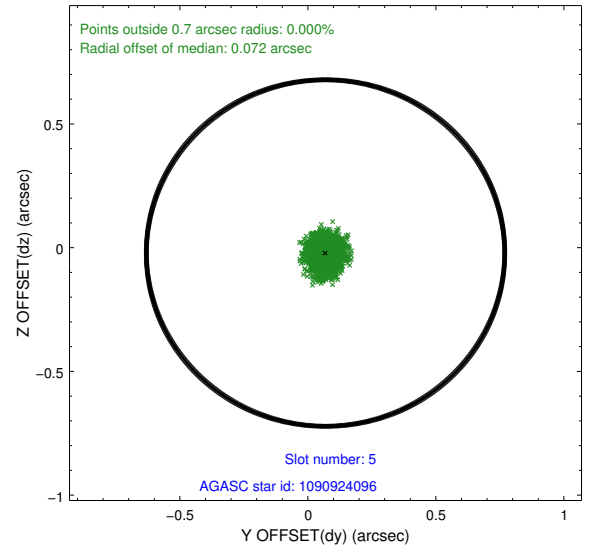
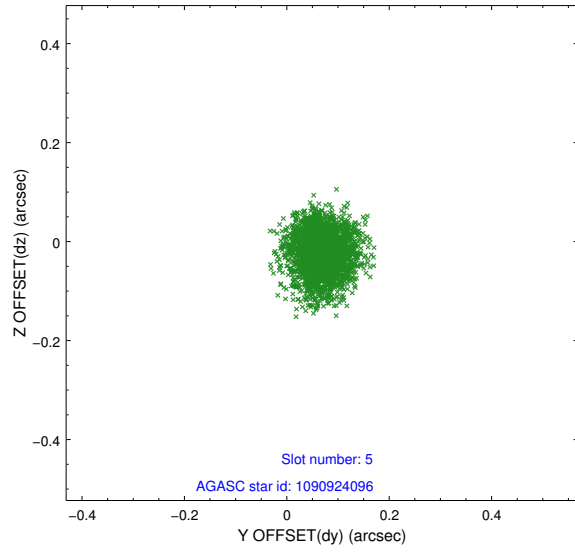
### 2.4.1 Slot 3



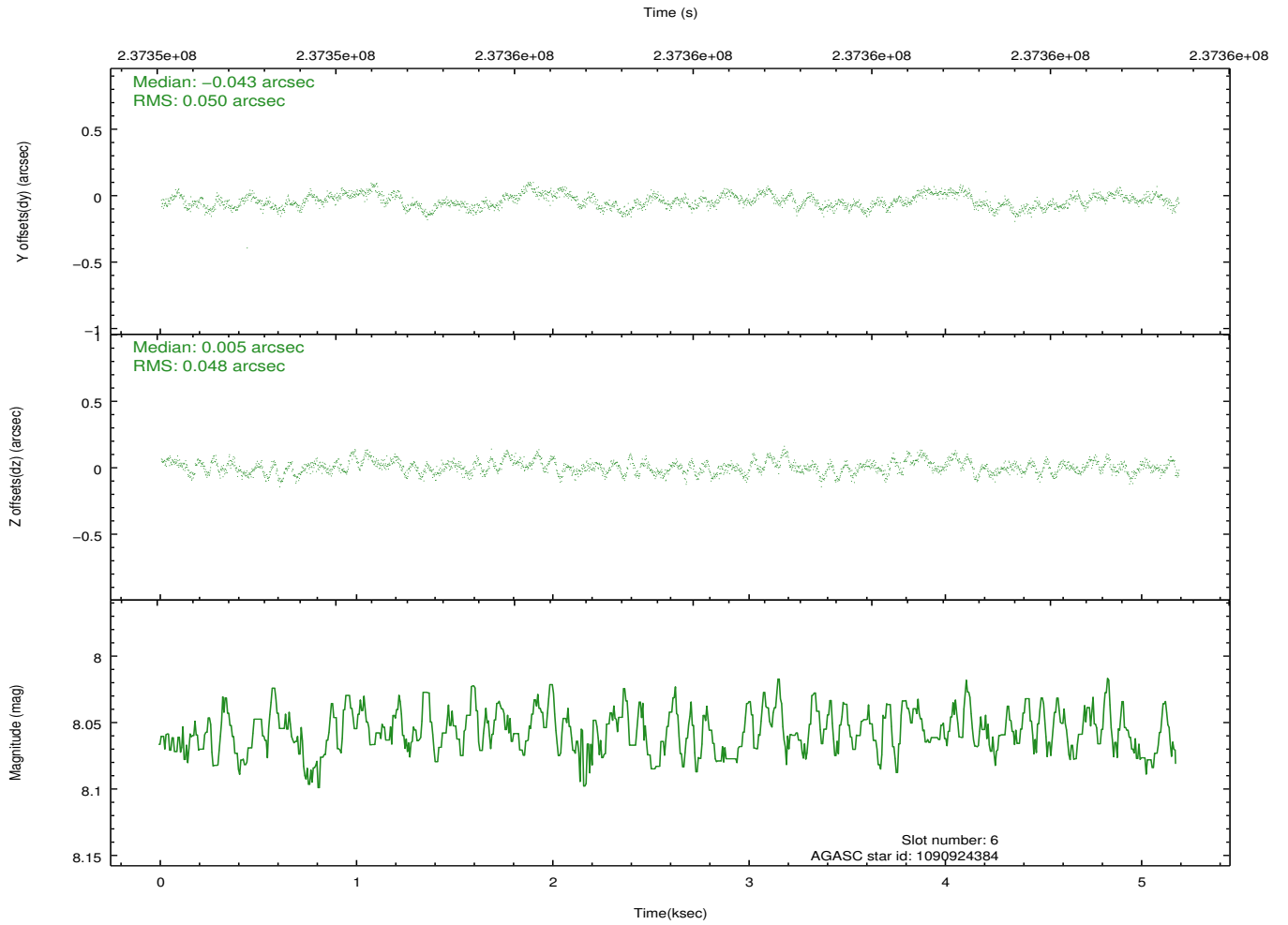
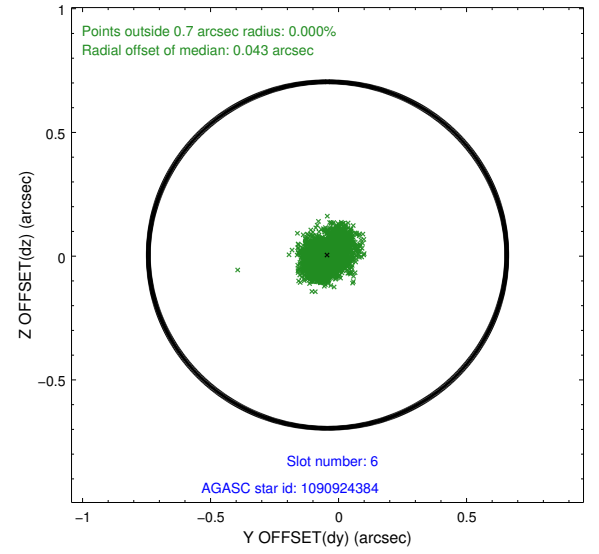
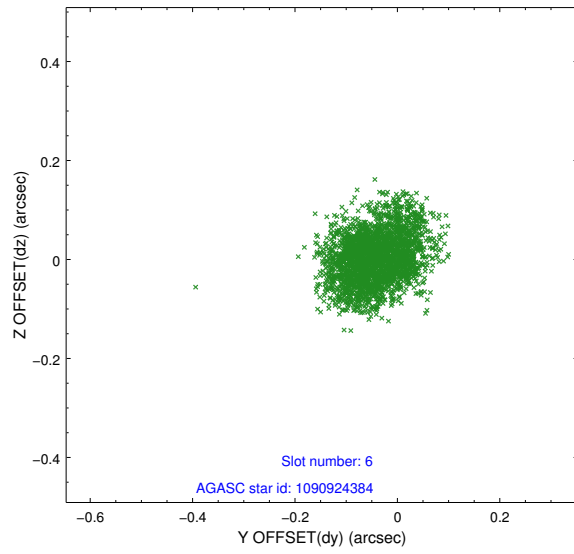
## 2.4.2 Slot 4



### 2.4.3 Slot 5

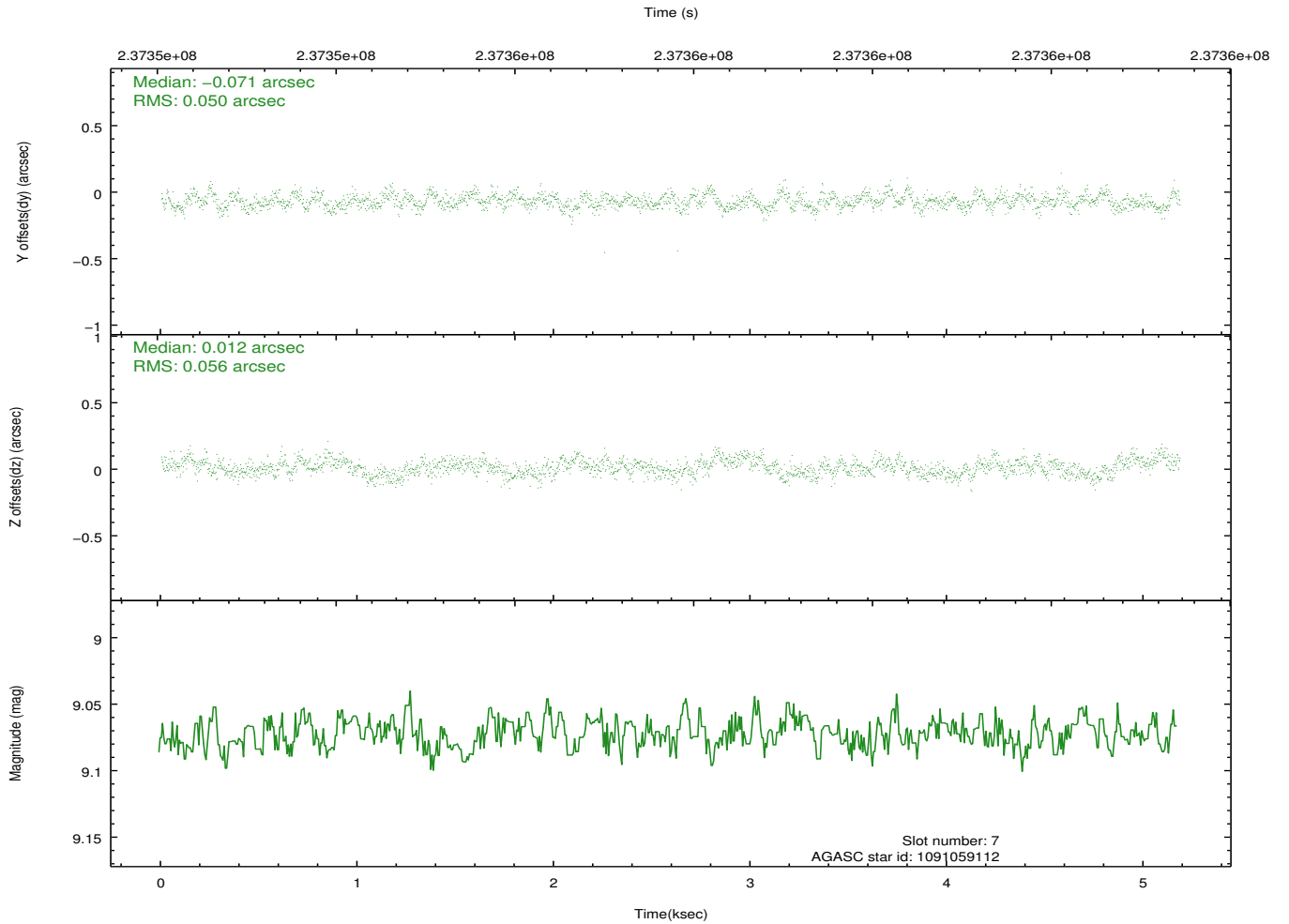
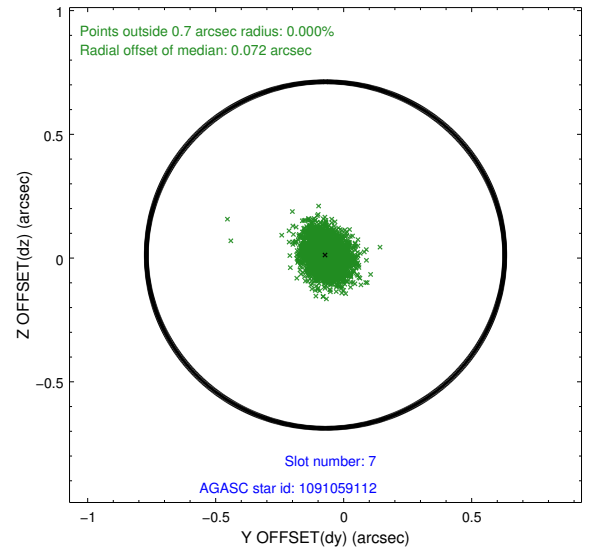
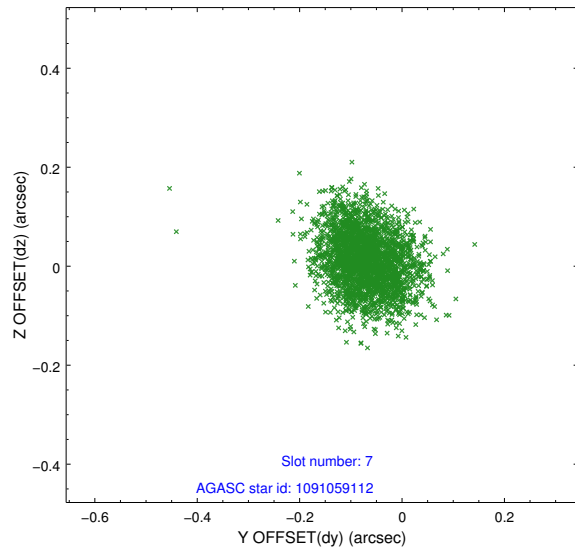


## 2.4.4 Slot 6



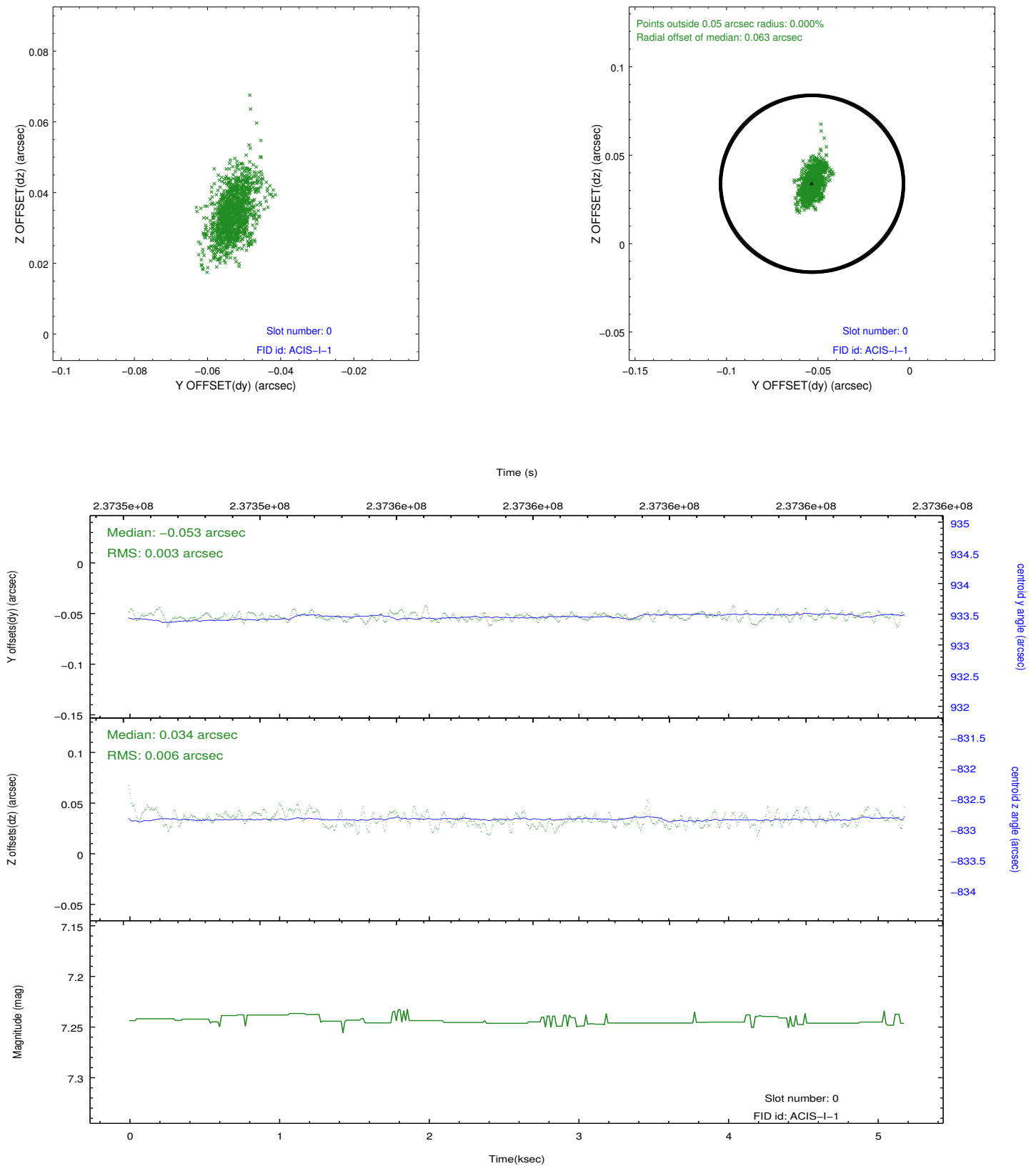


## 2.4.5 Slot 7

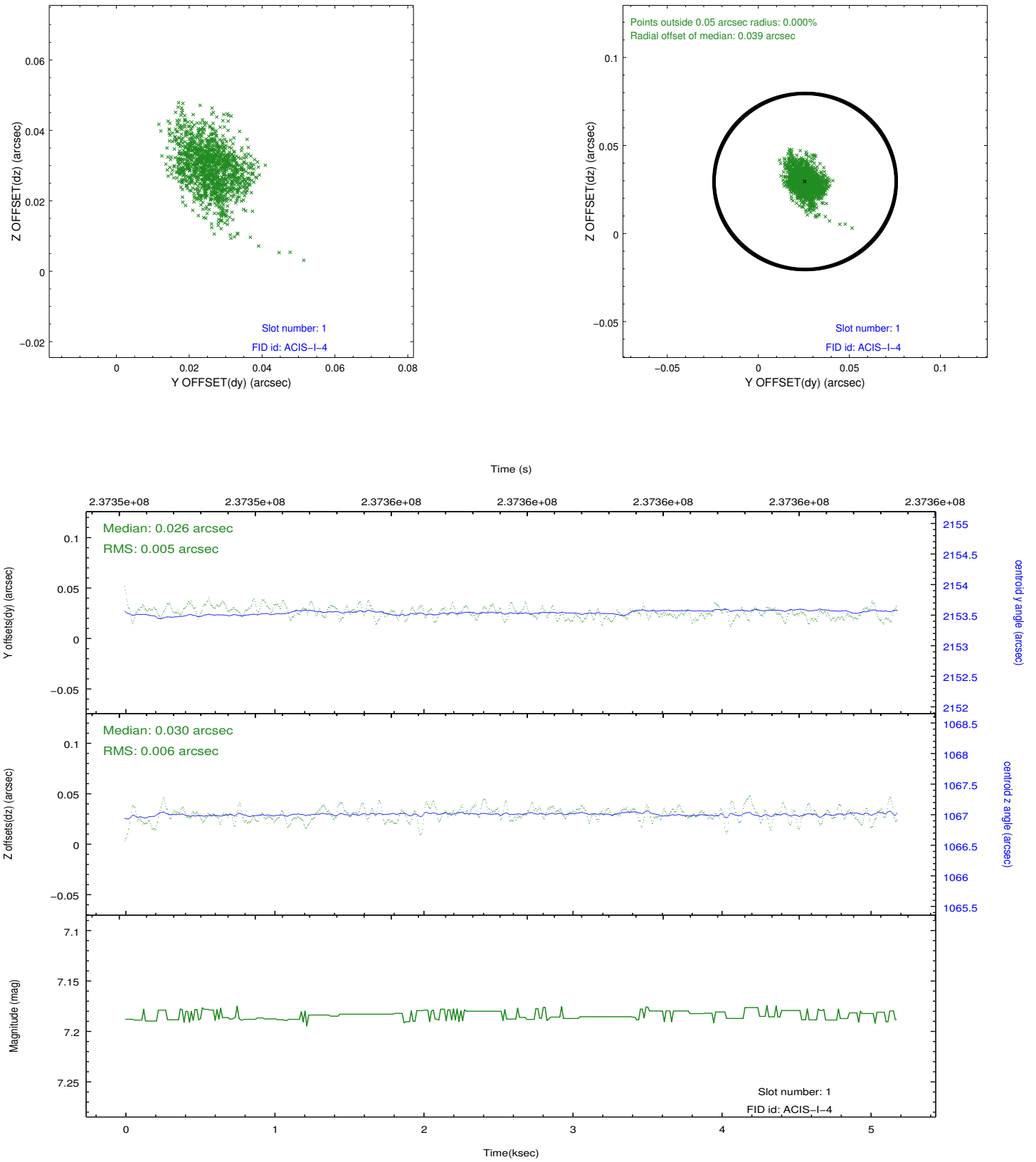


## 2.5 FID Slots

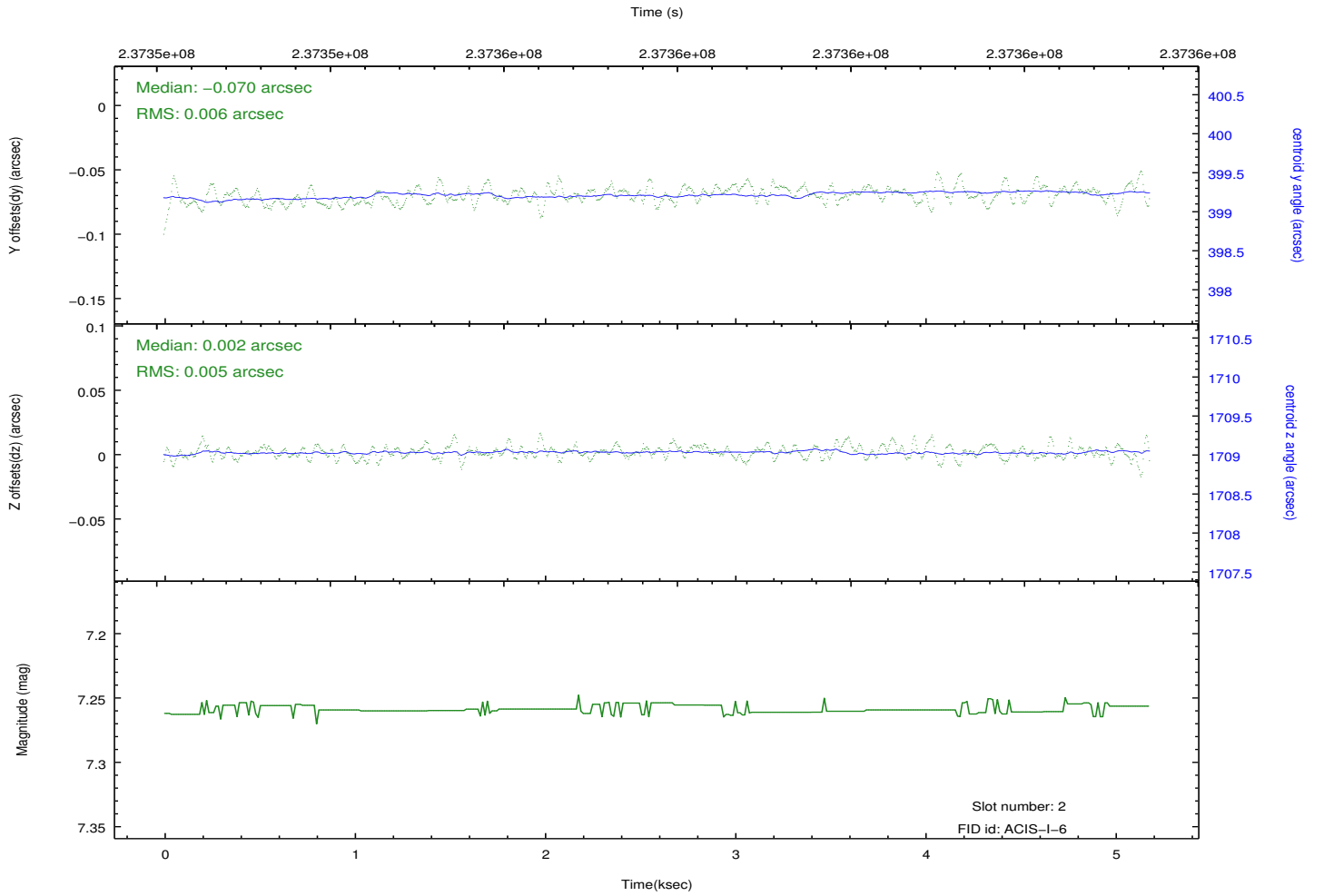
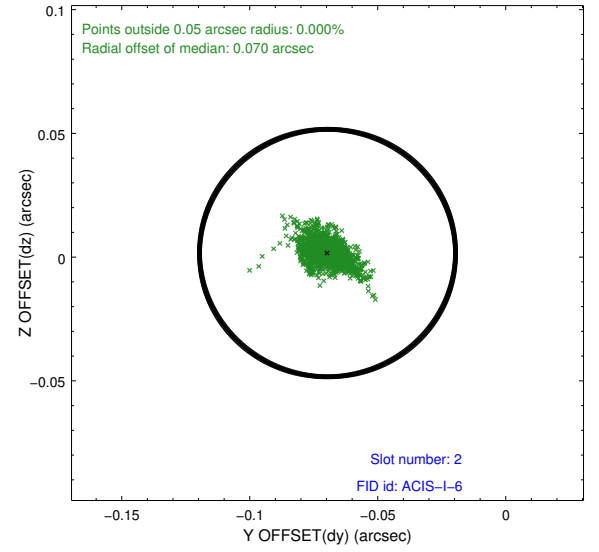
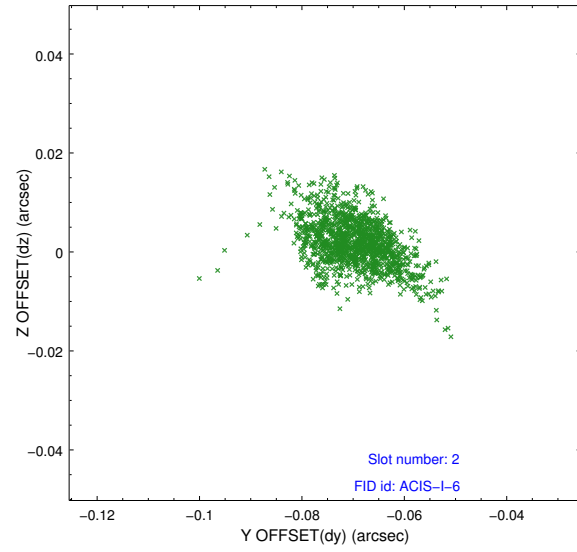
### 2.5.1 Slot 0



## 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)	2013.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1832

### A.2 Comments