

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3514 - L2 Version 3  
Chandra X-Ray Center

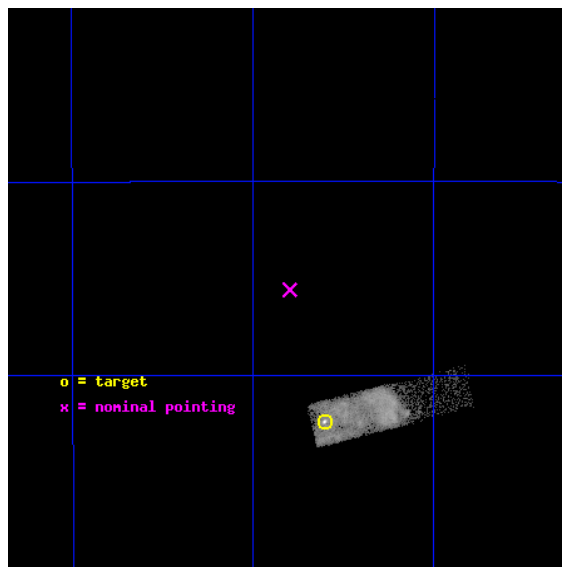
L2 Processing Date : Oct 24 2012

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# 1 Front

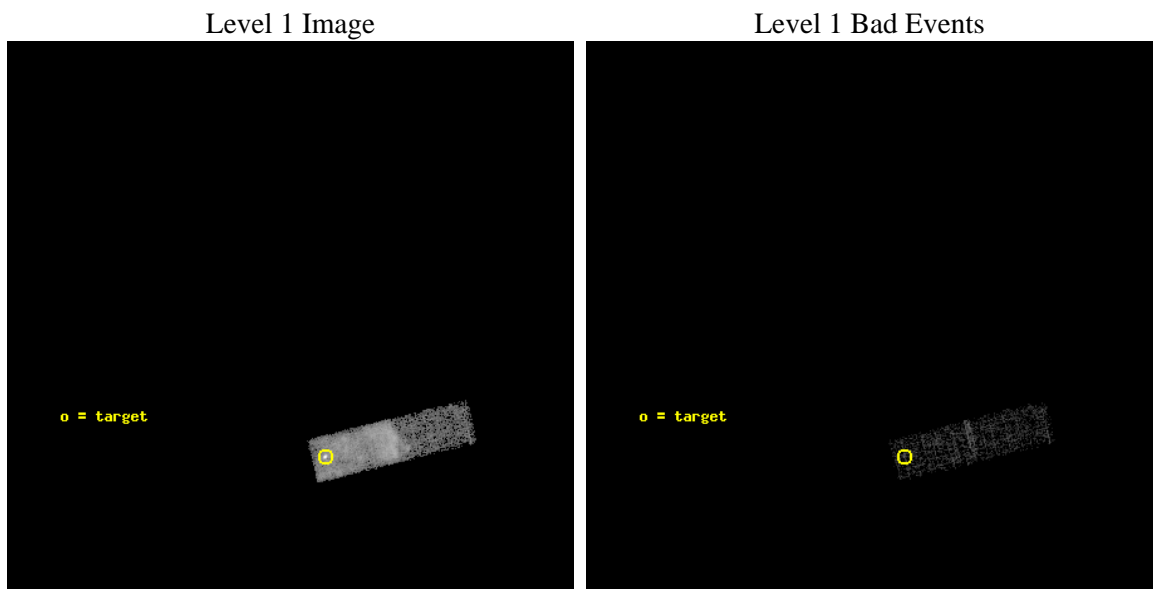
seq_num	500302	Sequence number
obs_id	3514	Observation id
title	OBSERVATION OF SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.449207167	Nominal RA [deg]
dec_nom	-50.926662981752	Nominal Dec [deg]
roll_nom	76.174496563077	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5248.8000782132	Sum of GTIs [s]
livetime	4992.6758092012	Livetime [s]
ontime3	5248.8000782132	Sum of GTIs [s]
l2events	24083	Number of level 2 events



## 2 OBI

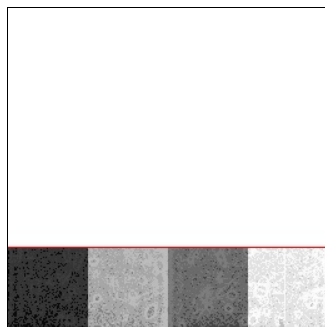
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5248.8000782132	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime3	5248.8000782132	Sum of GTIs [s]
date	2012-10-24T12:45:46	Date and time of file creation	l1events	36850	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	36850
rejected events	11971
rejected %	32%

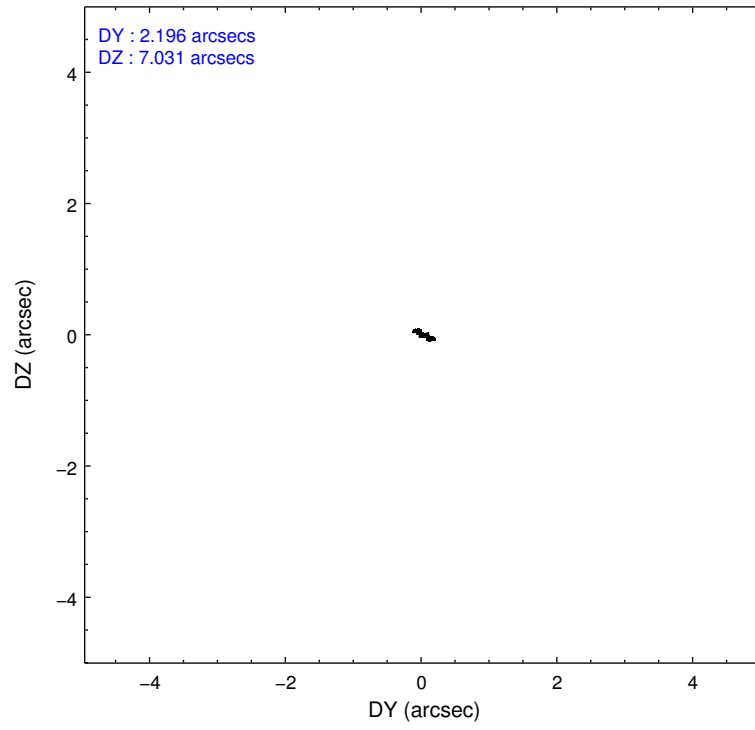
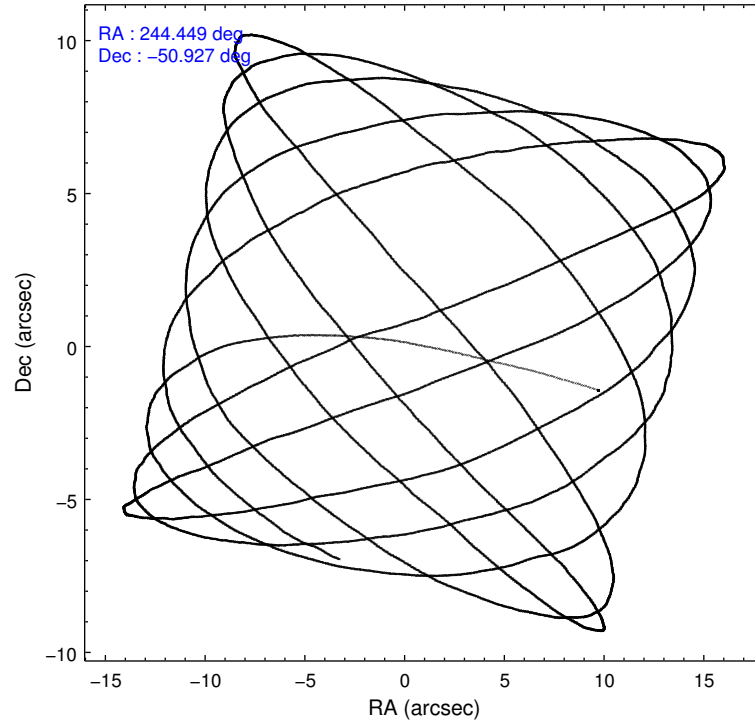
	<b>ccd 3</b>
grade 0 events	21404
	58%
grade 1 events	38
	0%
grade 2 events	2254
	6%
grade 3 events	833
	2%
grade 4 events	797
	2%
grade 5 events	395
	1%
grade 6 events	523
	1%
grade 7 events	10606
	28%

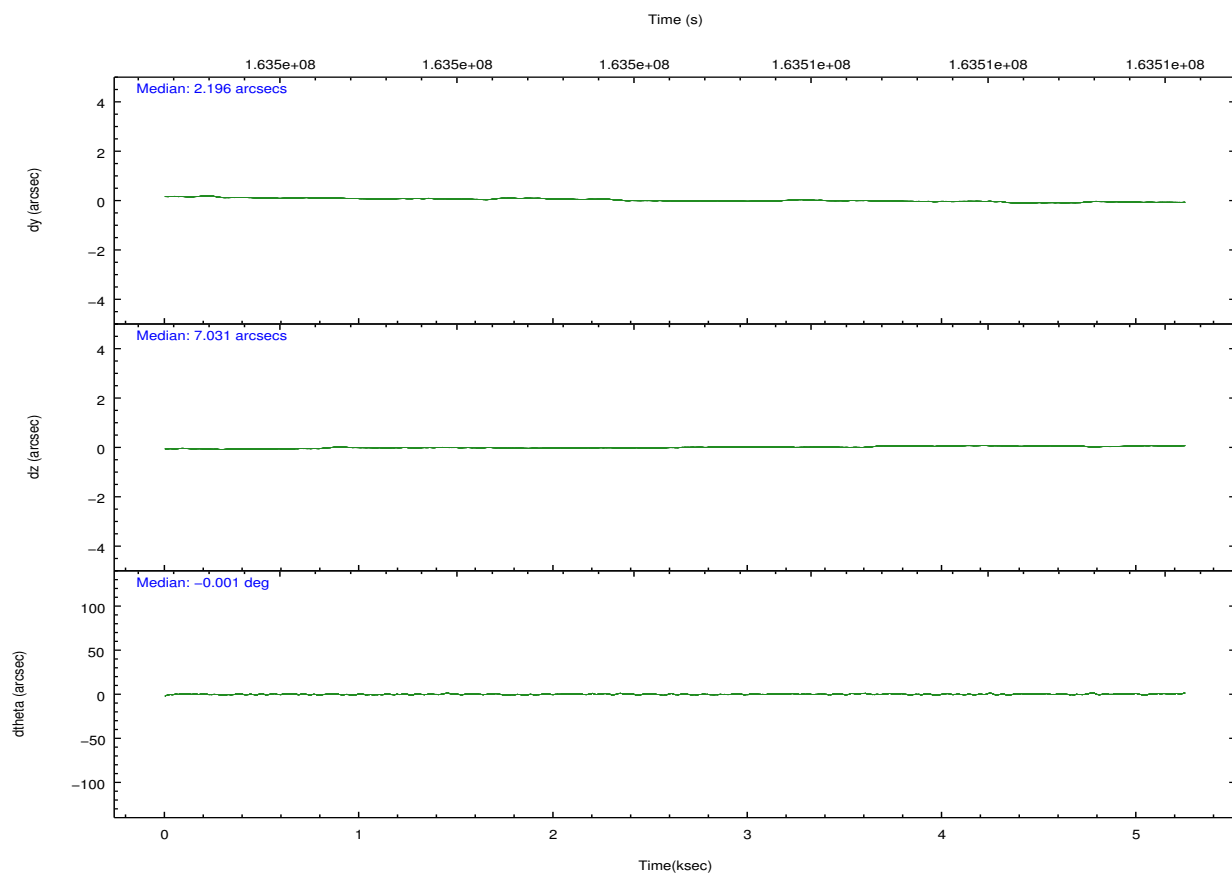
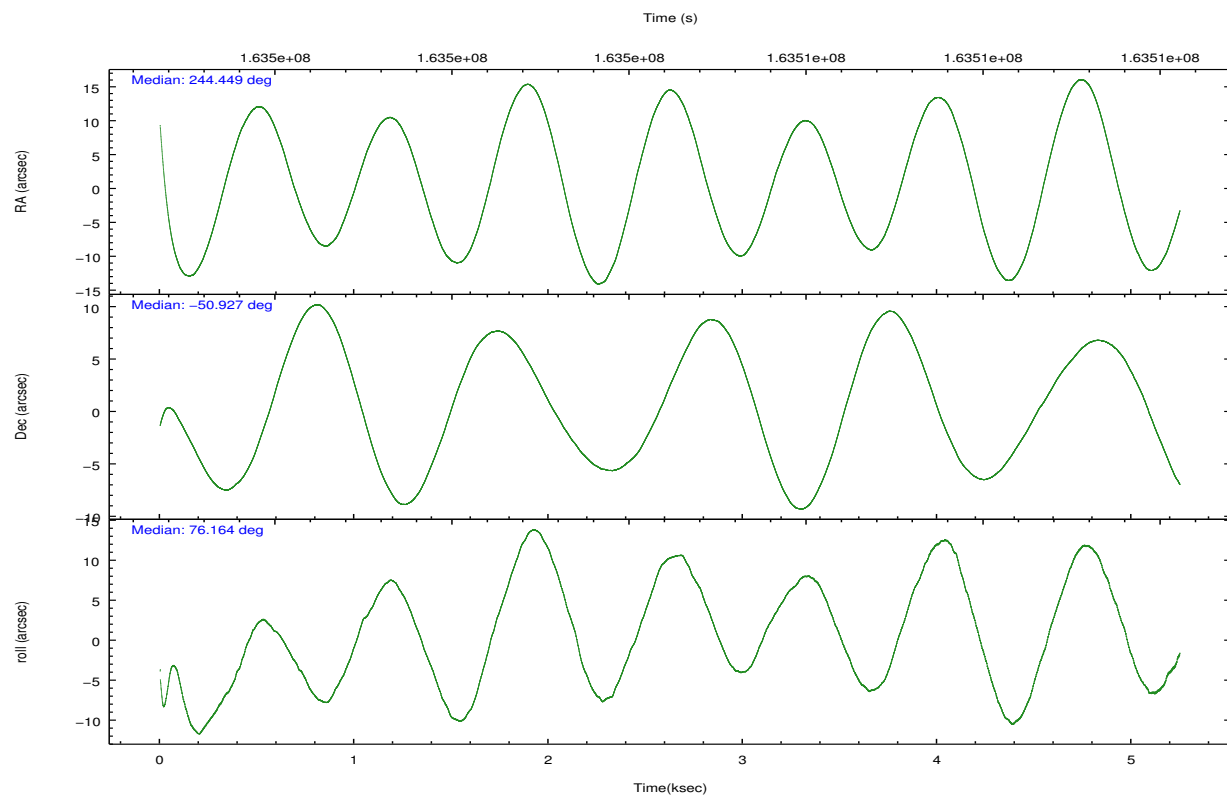


## 2.2 Compared Parameters

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	244.461658	244.4492071670044	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-50.952893	-50.92666298175234	Subarray start row	1	1
[deg] Pointing Roll	75.975519	76.1744965630772	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)	163502761.184000	163501751.49536			
Observation start date	2003-03-08T09:24:57	2003-03-08T09:09:11			
[s] Observation end time (MET)	163507861.184000	163508582.60814			
Observation end date	2003-03-08T10:49:57	2003-03-08T11:03:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect



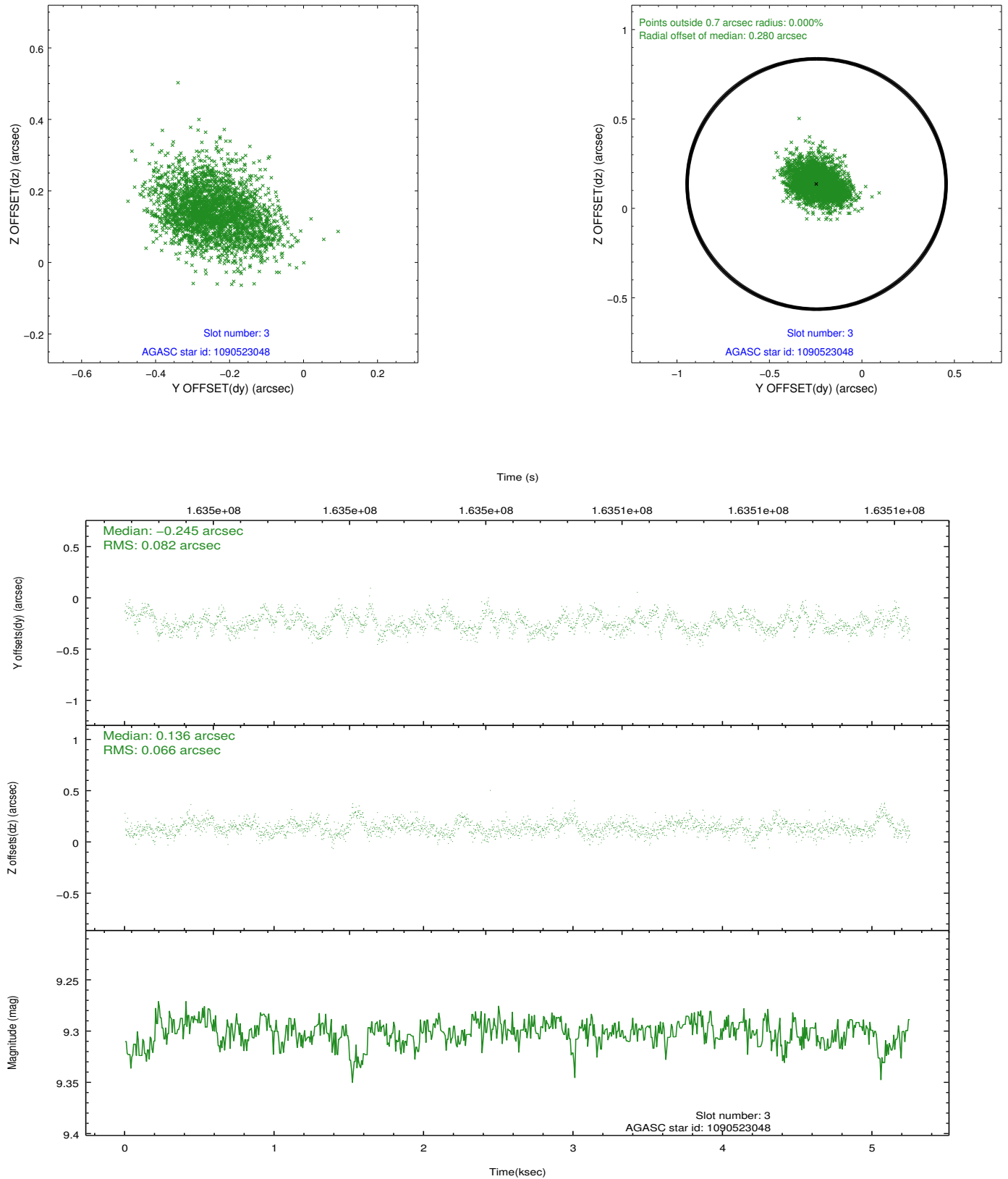


### Slot Statistics

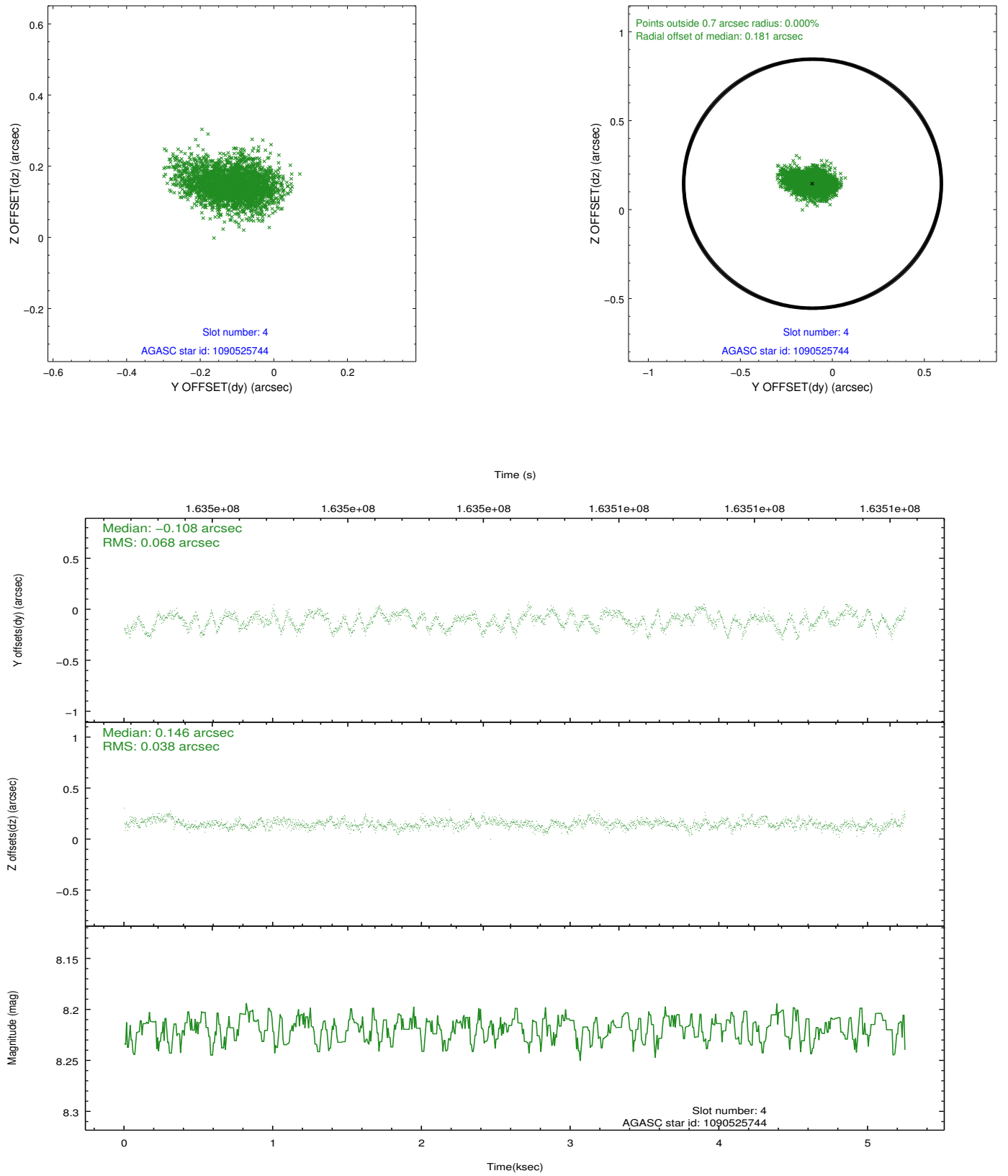
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1280	0.012	0.008	0.006	0.011	0.000000	0.000000	937.59	-830.44
1	FID	ACIS-I-5	7.24	1280	-0.073	0.057	0.006	0.011	0.000000	0.000000	-1809.92	1066.58
2	FID	ACIS-I-6	7.26	1281	-0.029	0.006	0.007	0.013	0.000000	0.000000	401.90	1712.29
3	GUIDE	1090523048	9.30	2562	-0.245	0.136	0.112	0.180	245.527897	-50.473448	2250.02	-1955.83
4	GUIDE	1090525744	8.22	2562	-0.108	0.146	0.082	0.138	245.649389	-50.543894	2067.42	-2285.20
5	GUIDE	1090915080	9.70	2555	0.083	-0.215	0.091	0.152	243.713143	-50.912849	-279.30	1679.72
6	GUIDE	1090924096	8.06	2562	0.090	-0.198	0.046	0.076	243.849549	-51.016855	-564.72	1287.81
7	GUIDE	1091061384	9.34	2559	0.185	0.127	0.083	0.140	245.043918	-51.237076	-678.89	-1522.22

## 2.4 Star Slots

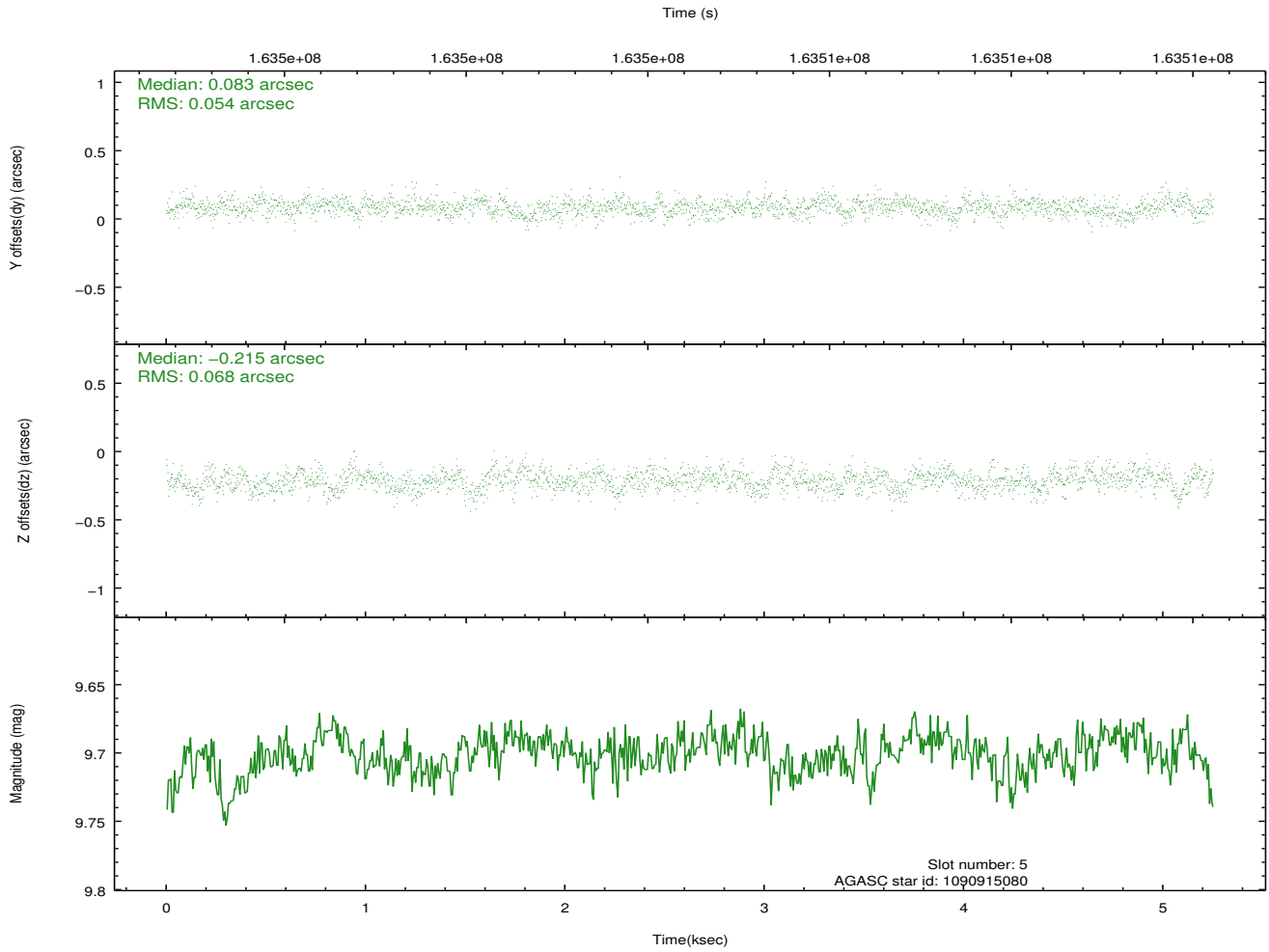
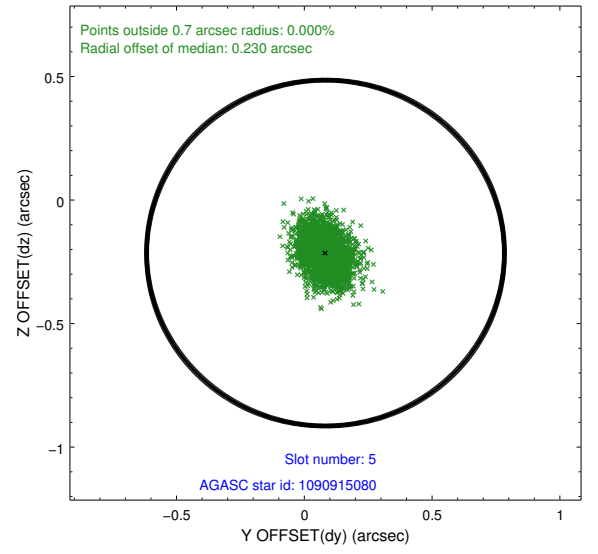
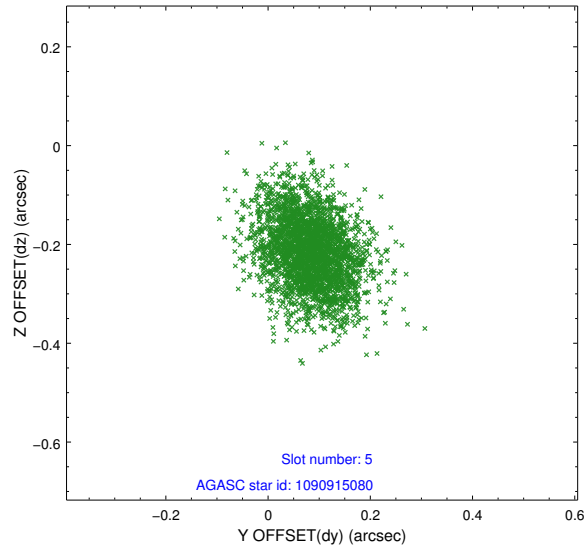
### 2.4.1 Slot 3



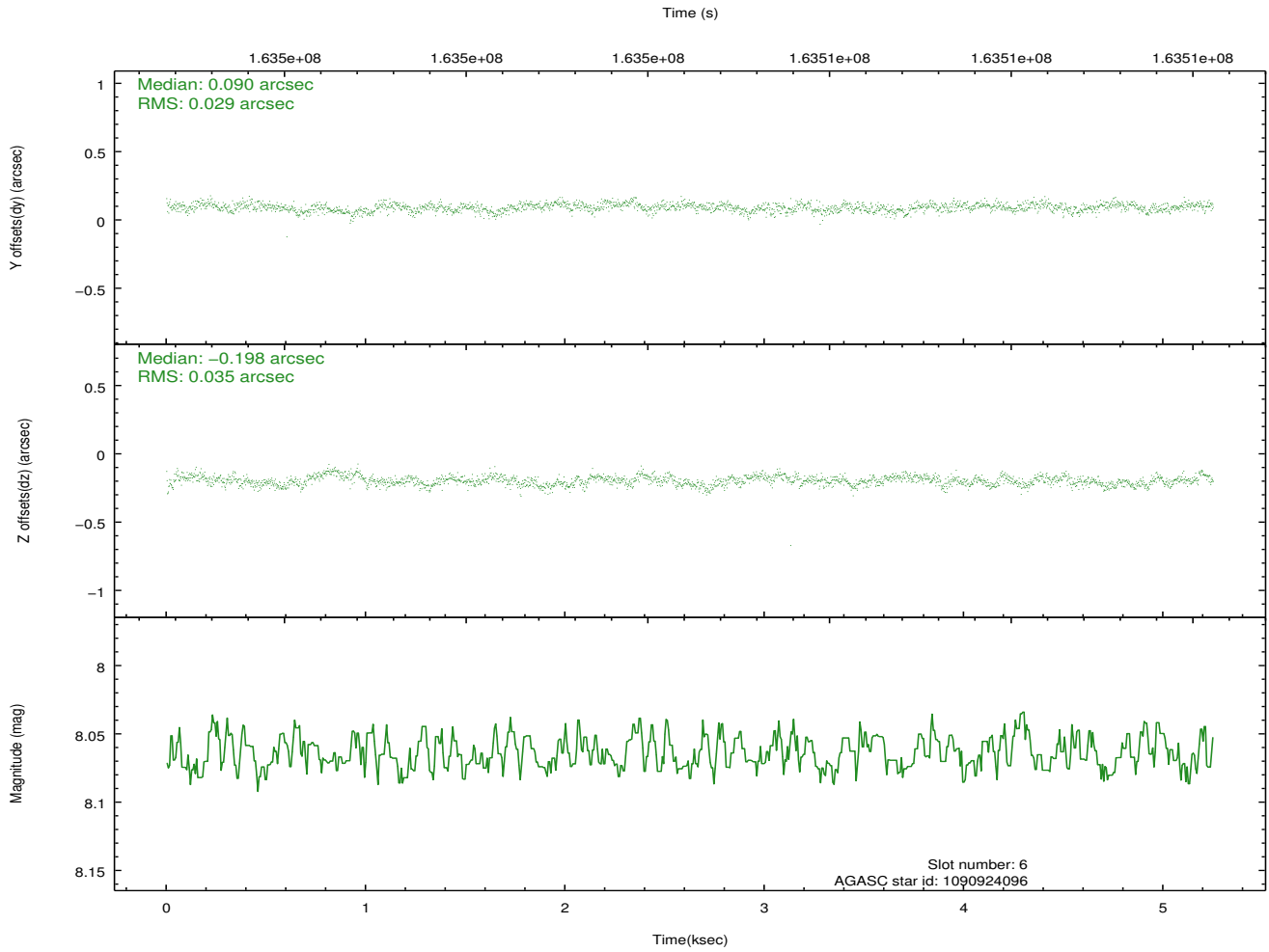
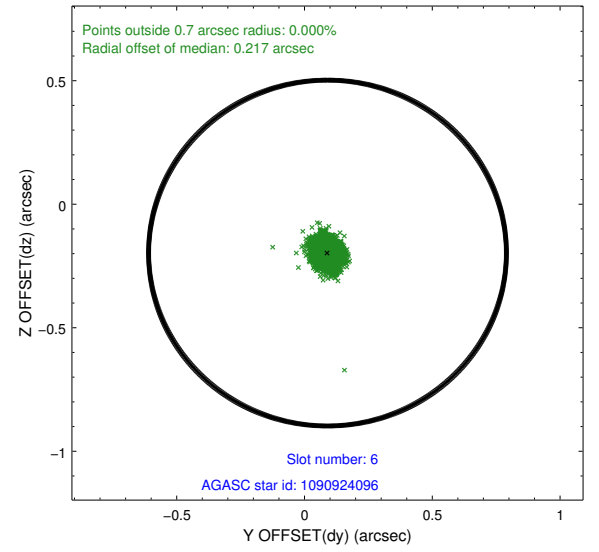
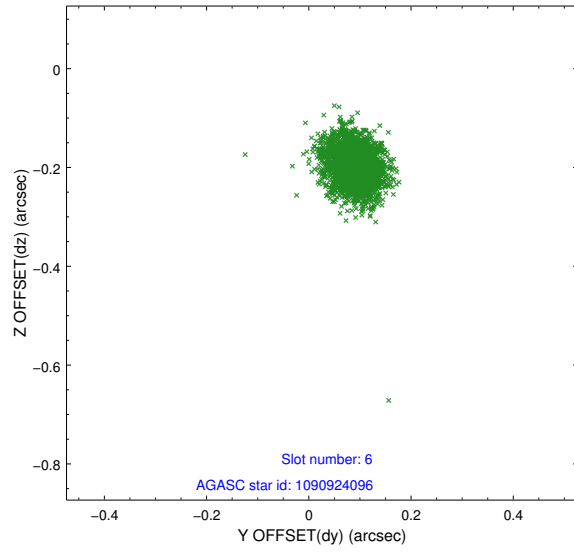
## 2.4.2 Slot 4



### 2.4.3 Slot 5

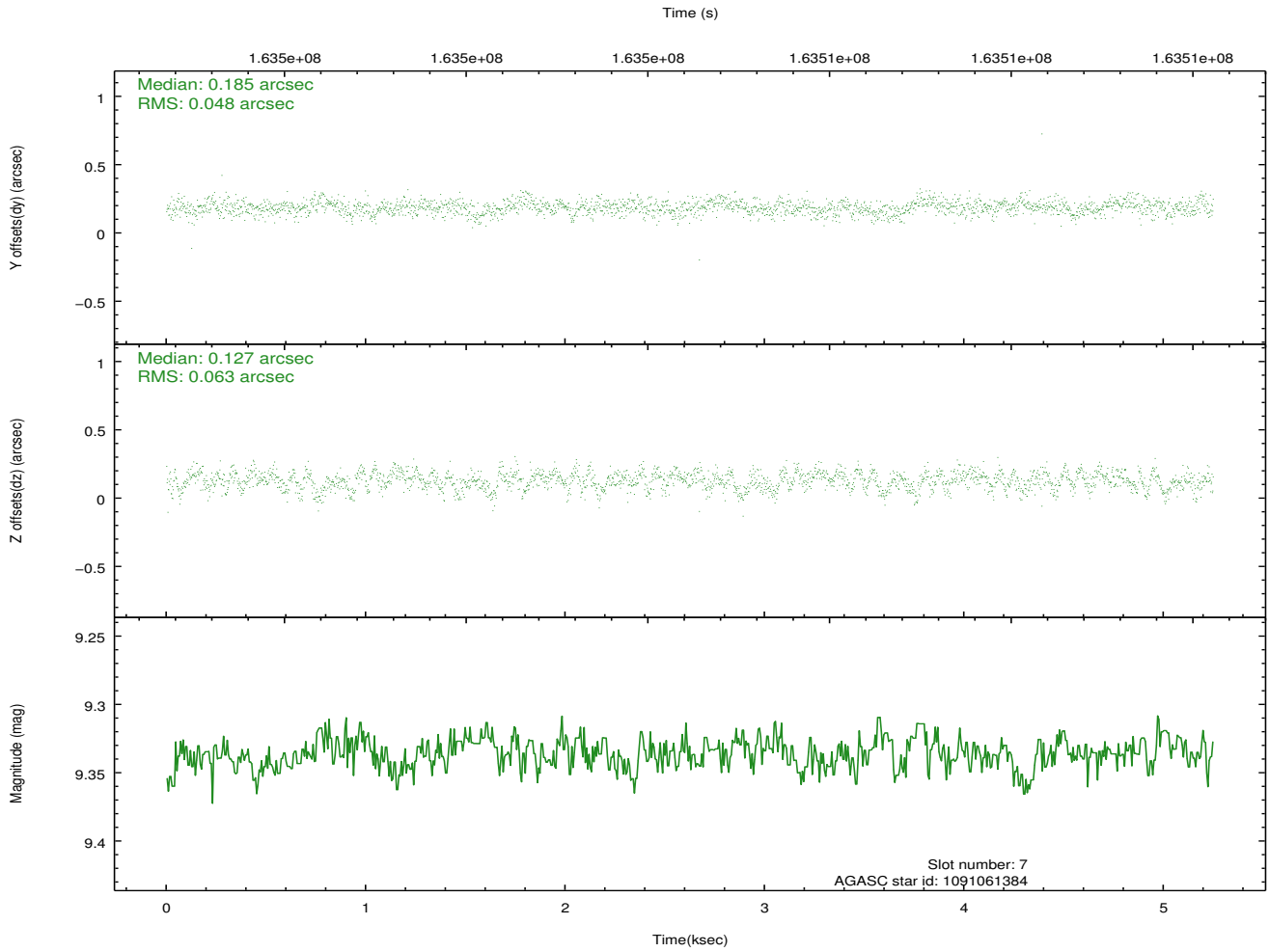
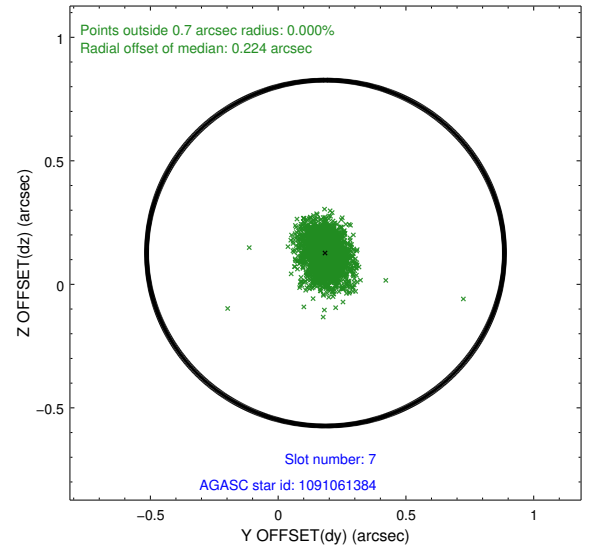
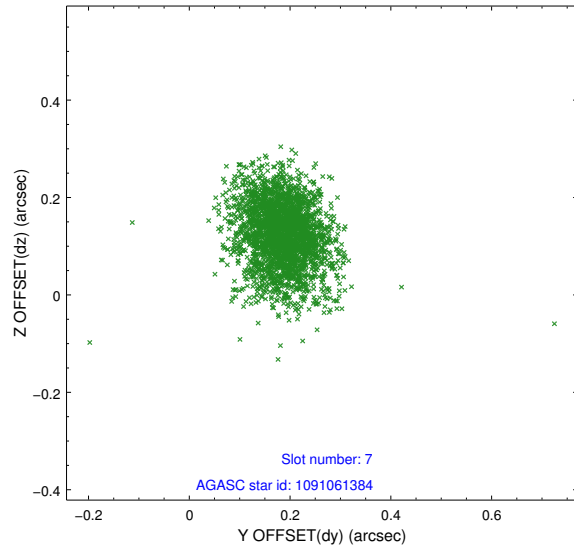


## 2.4.4 Slot 6



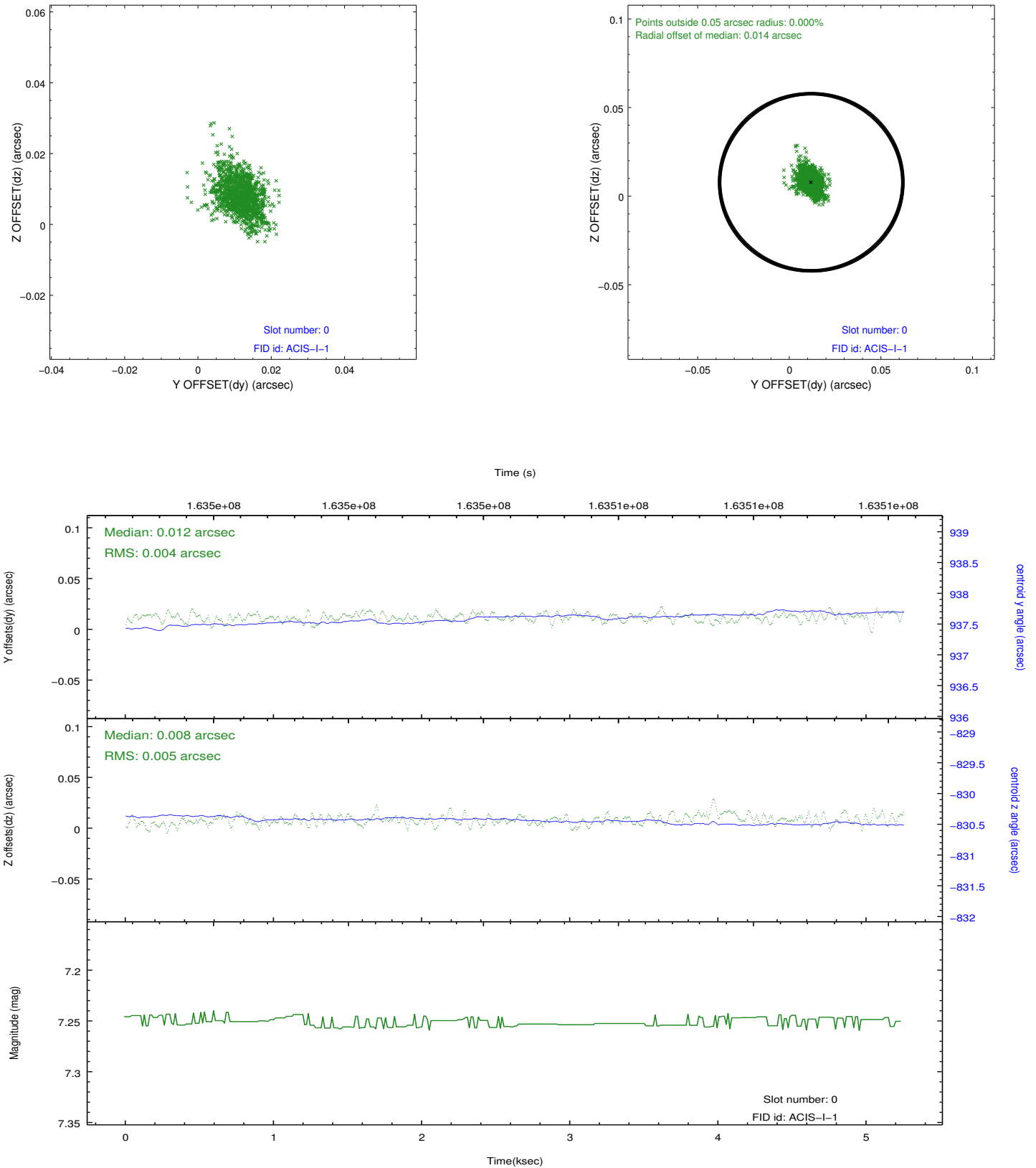


## 2.4.5 Slot 7

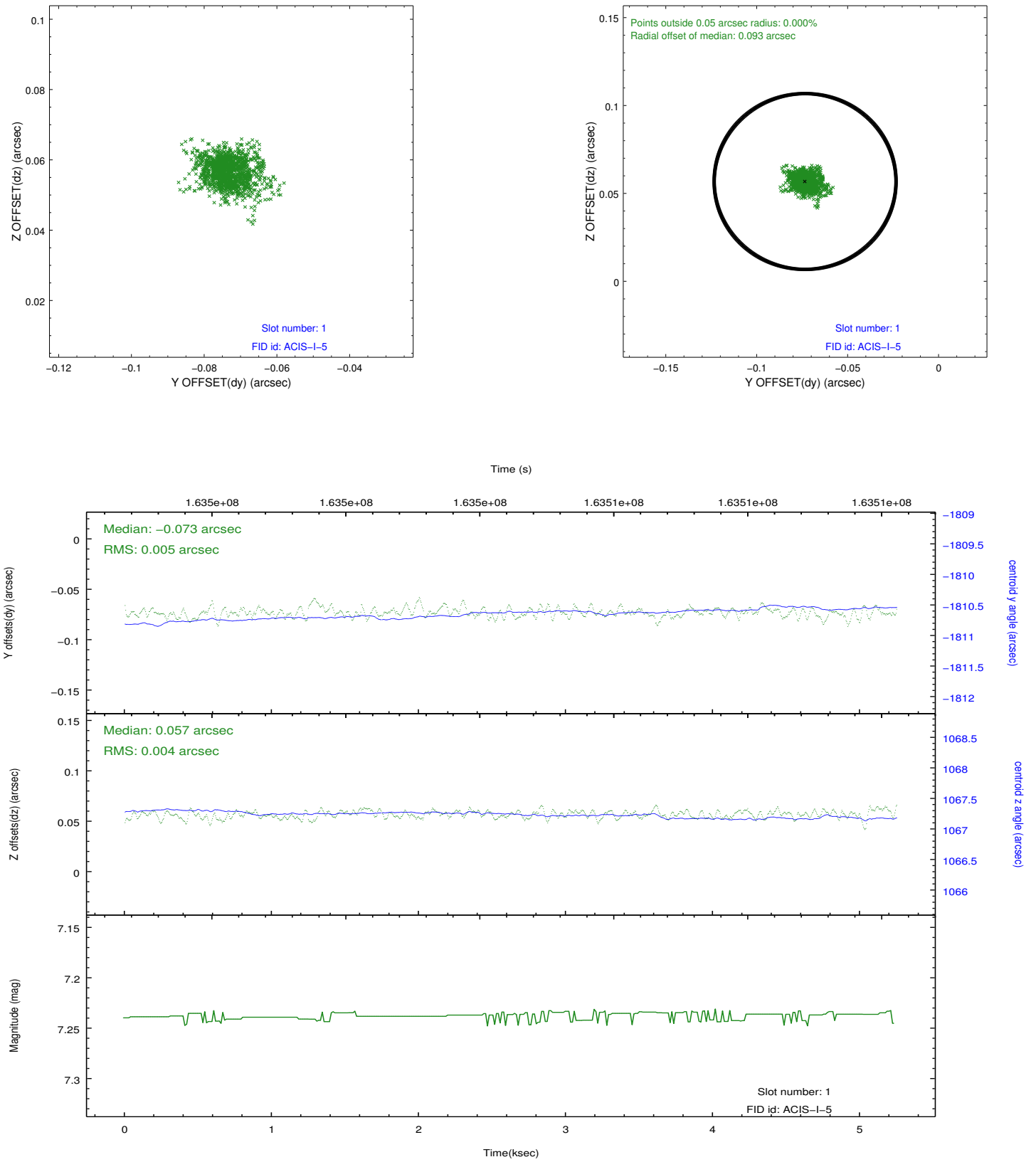


## 2.5 FID Slots

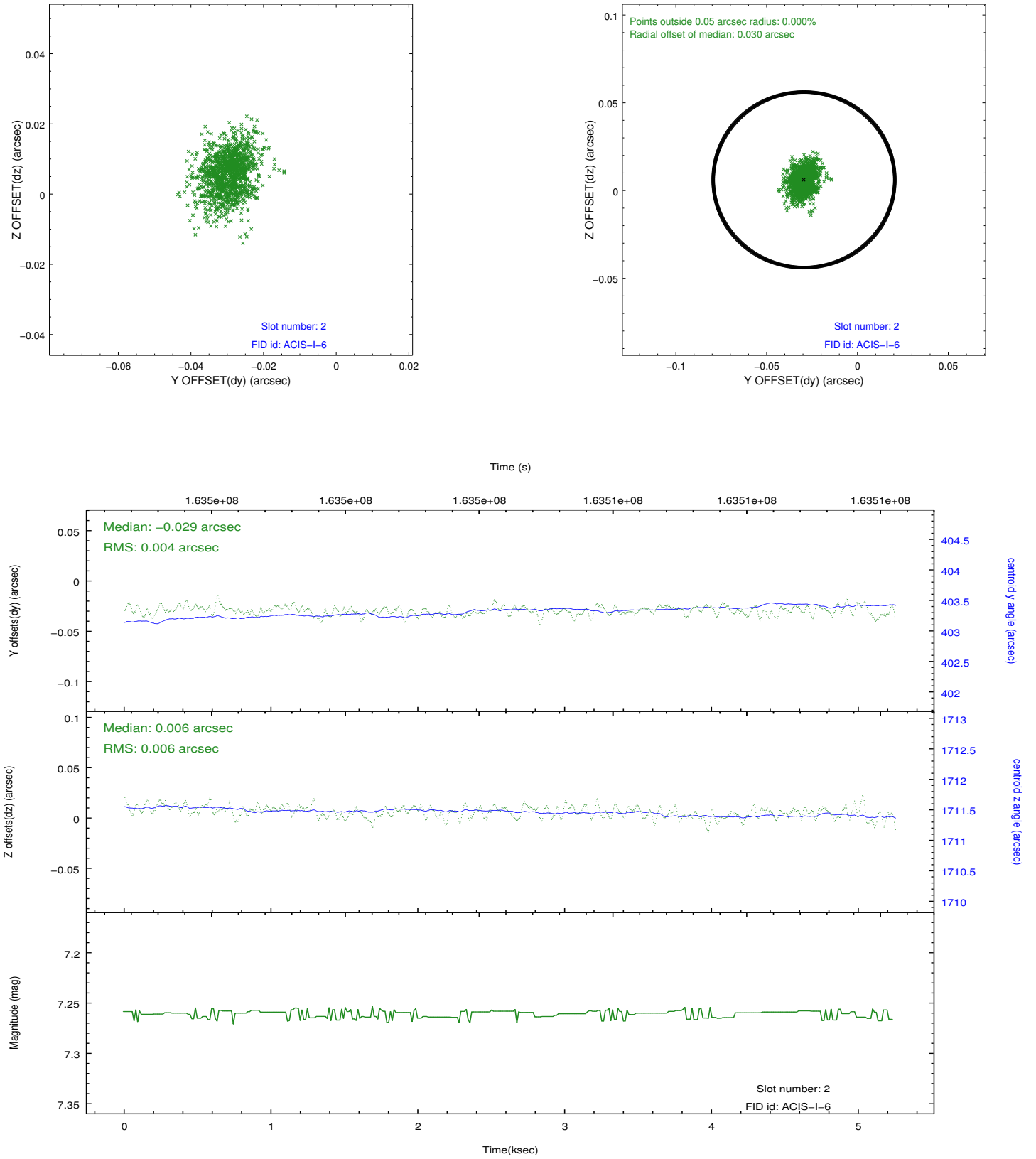
### 2.5.1 Slot 0



## 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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.248

### **A.2 Comments**