

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7788 - L2 Version 3  
Chandra X-Ray Center

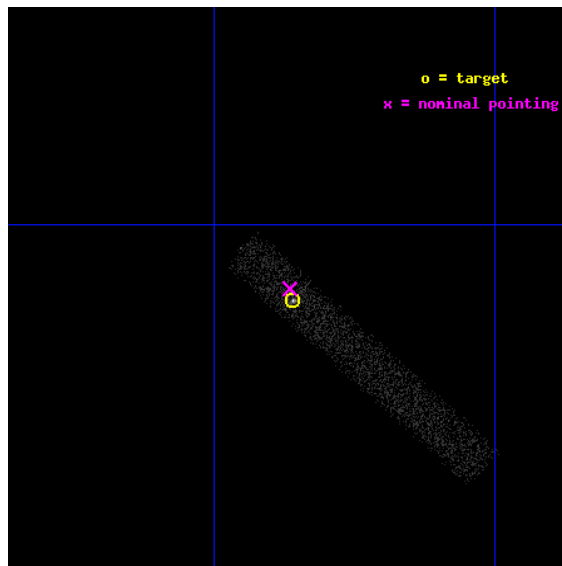
L2 Processing Date : Apr 20 2012

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# 1 Front

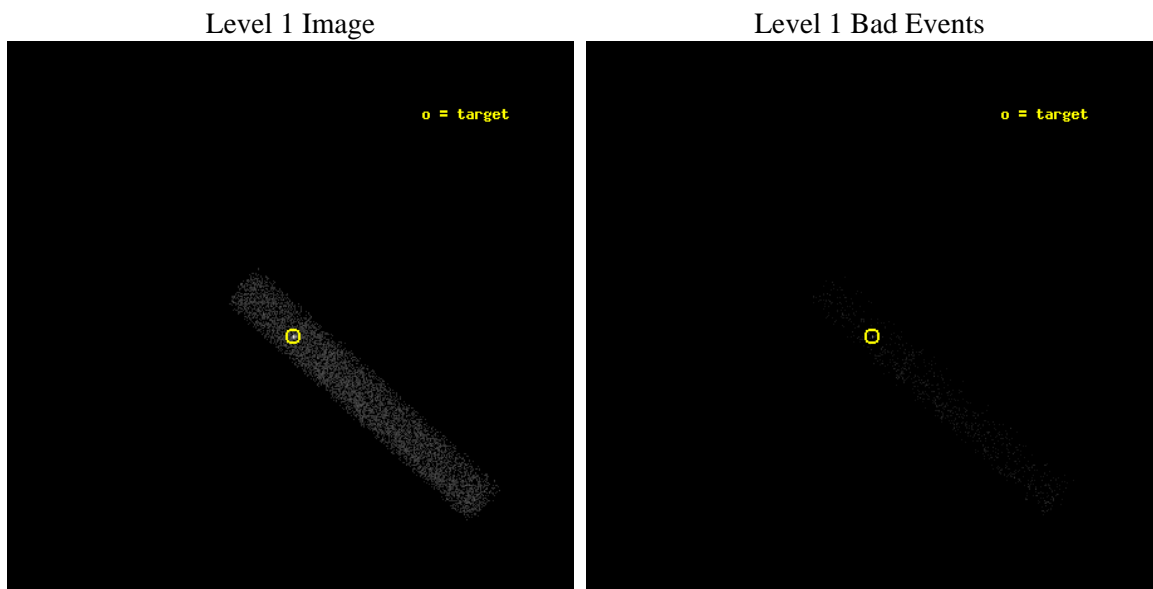
seq_num	701456	Sequence number
obs_id	7788	Observation id
title	Dissecting an Accretion Disk	Proposal title
observer	Prof. Christopher Kochanek	Principal investigator
object	RXJ1131-1231	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.965	Observer's specified target RA [deg]
dec_targ	-12.5325	Observer's specified target Dec [deg]
ra_nom	172.96642158973	Nominal RA [deg]
dec_nom	-12.527827469807	Nominal Dec [deg]
roll_nom	41.815535045416	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4882.3997089863	Sum of GTIs [s]
livetime	4428.0788218631	Livetime [s]
ontime7	4882.3997089863	Sum of GTIs [s]
l2events	6847	Number of level 2 events



## 2 OBI

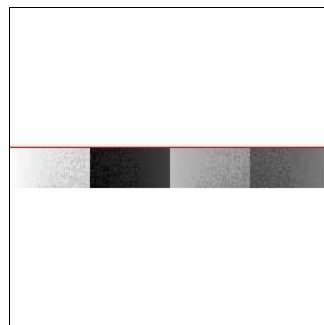
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4882.3997089863	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	4882.3997089863	Sum of GTIs [s]
date	2012-04-20T04:20:49	Date and time of file creation	l1events	12553	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	12553
rejected events	5566
rejected %	44%

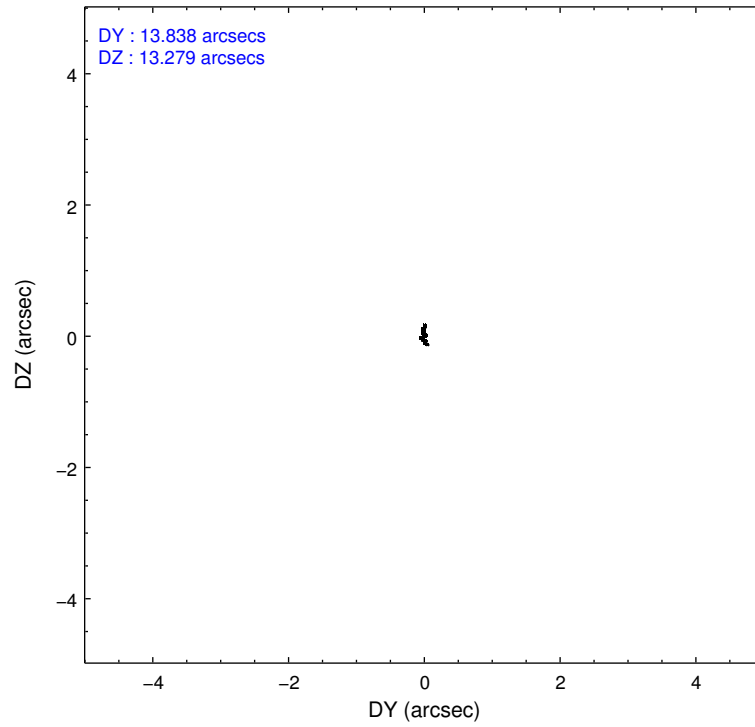
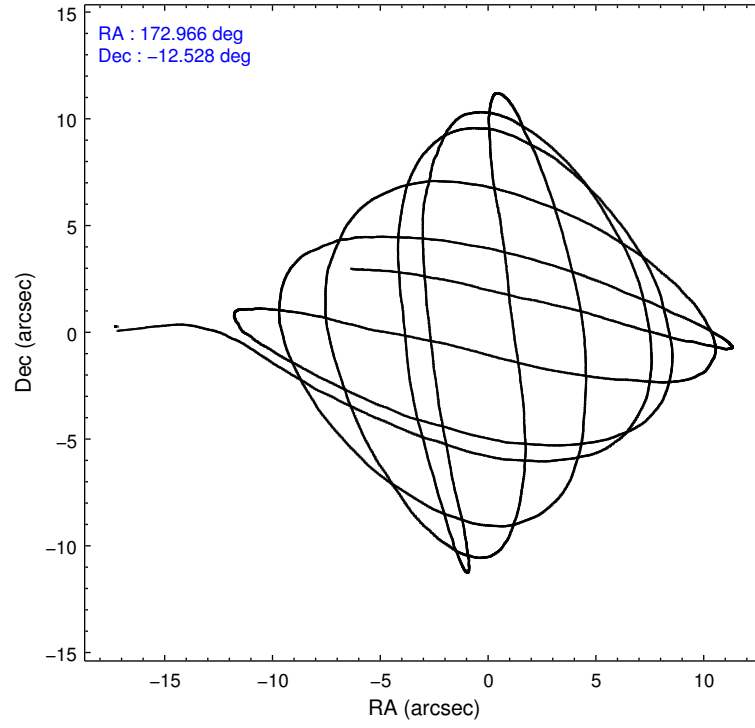
	<b>ccd 7</b>
grade 0 events	1380
	10%
grade 1 events	31
	0%
grade 2 events	1702
	13%
grade 3 events	930
	7%
grade 4 events	922
	7%
grade 5 events	878
	6%
grade 6 events	2633
	20%
grade 7 events	4077
	32%

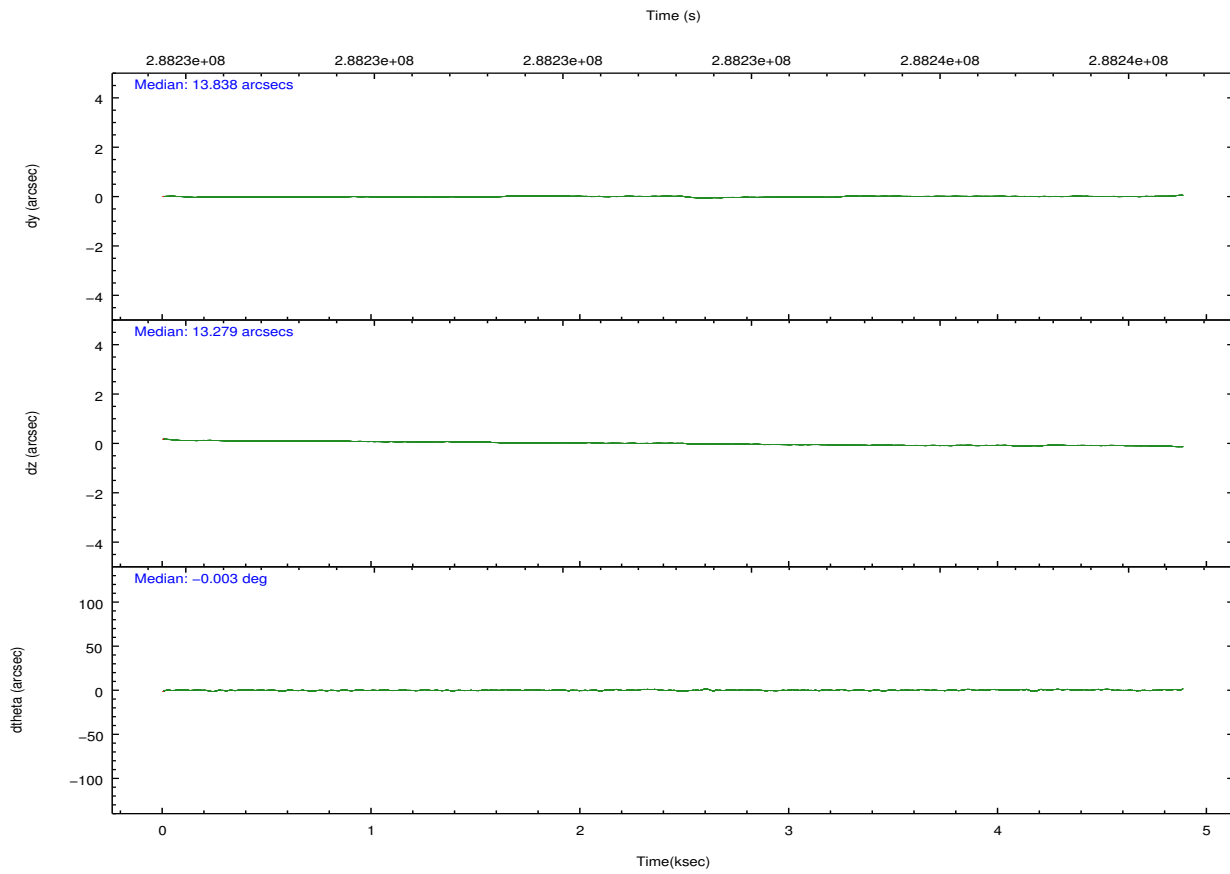
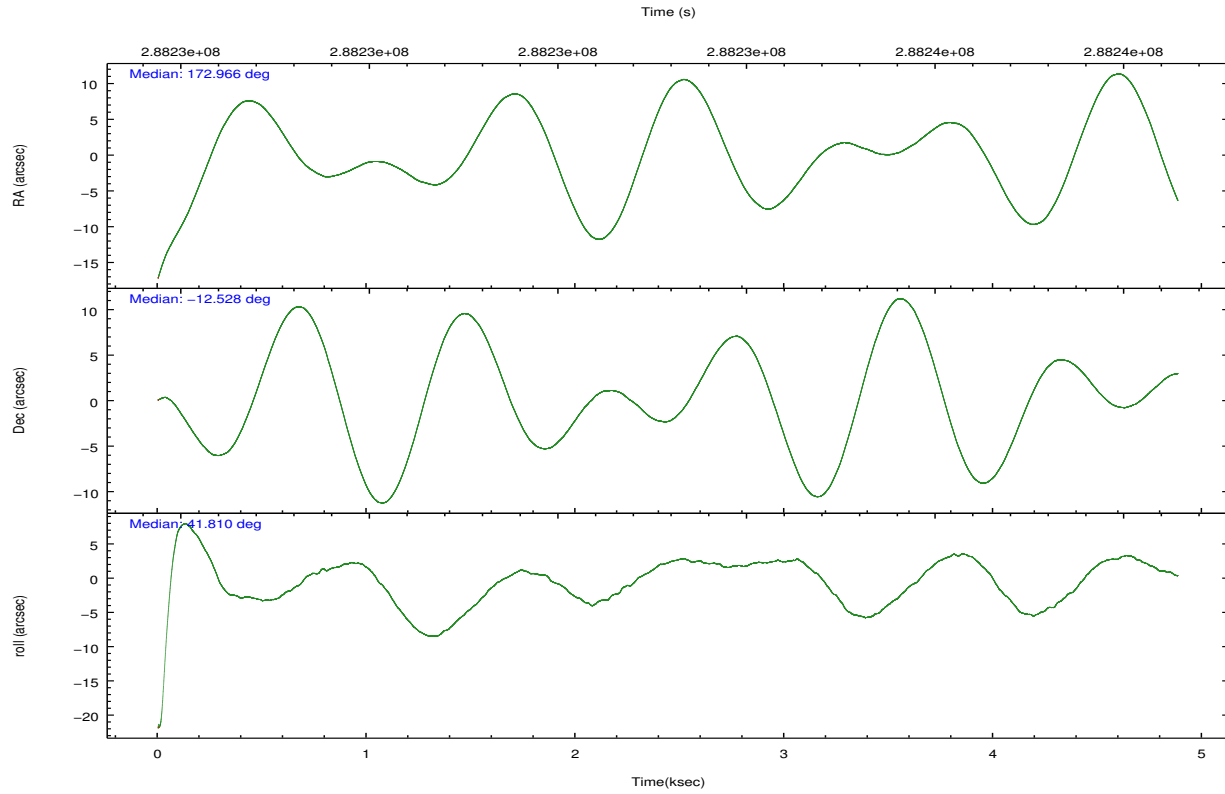


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	172.958033	172.9664215897309	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-12.553941	-12.52782746980701	Subarray start row	449	449
[deg] Pointing Roll	41.657165	41.81553504541588	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	288231324.184000	288230387.84338			
Observation start date	2007-02-19T00:14:19	2007-02-18T23:59:47			
[s] Observation end time (MET)	288236024.184000	288236947.33119			
Observation end date	2007-02-19T01:32:39	2007-02-19T01:49:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect



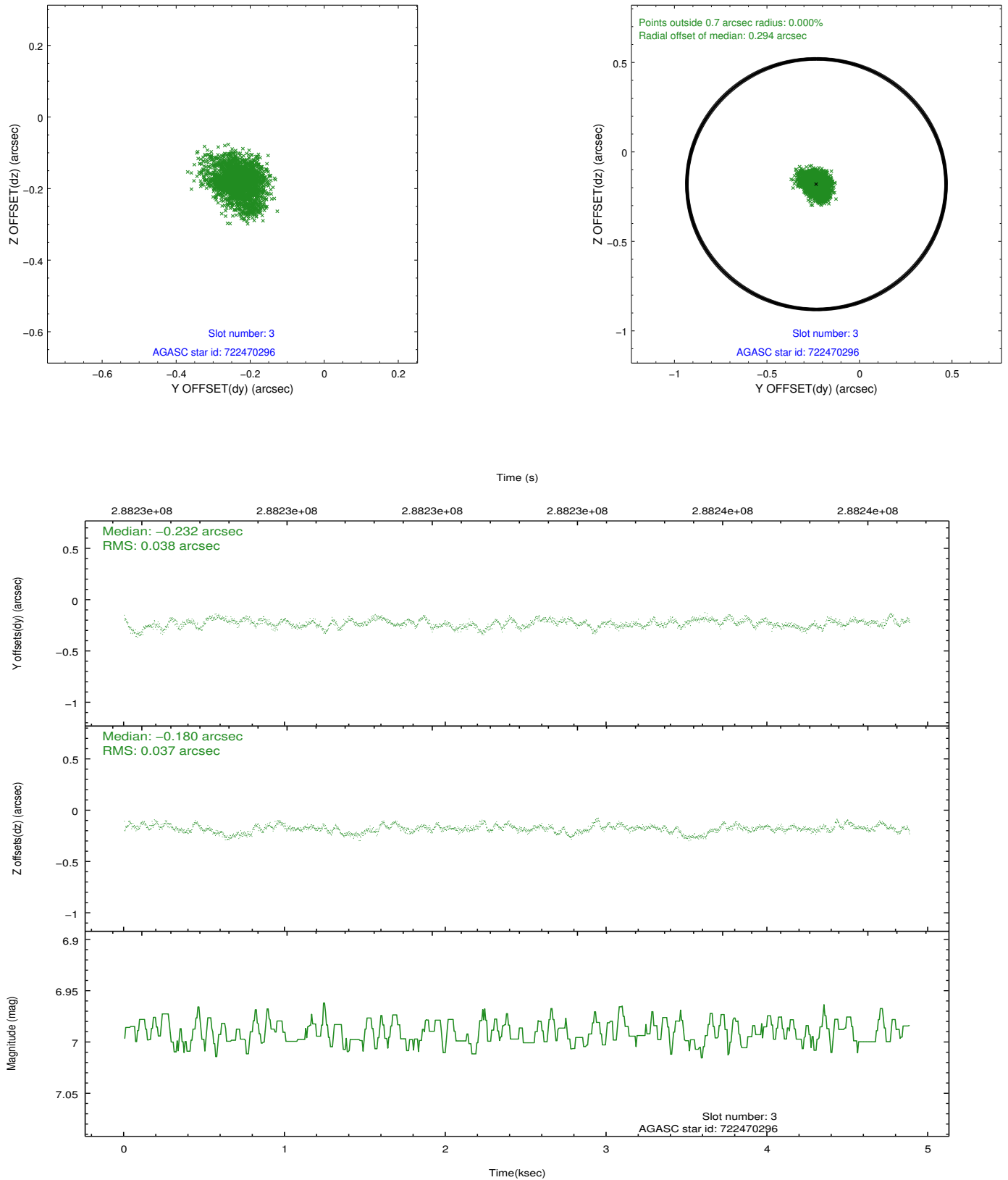


### Slot Statistics

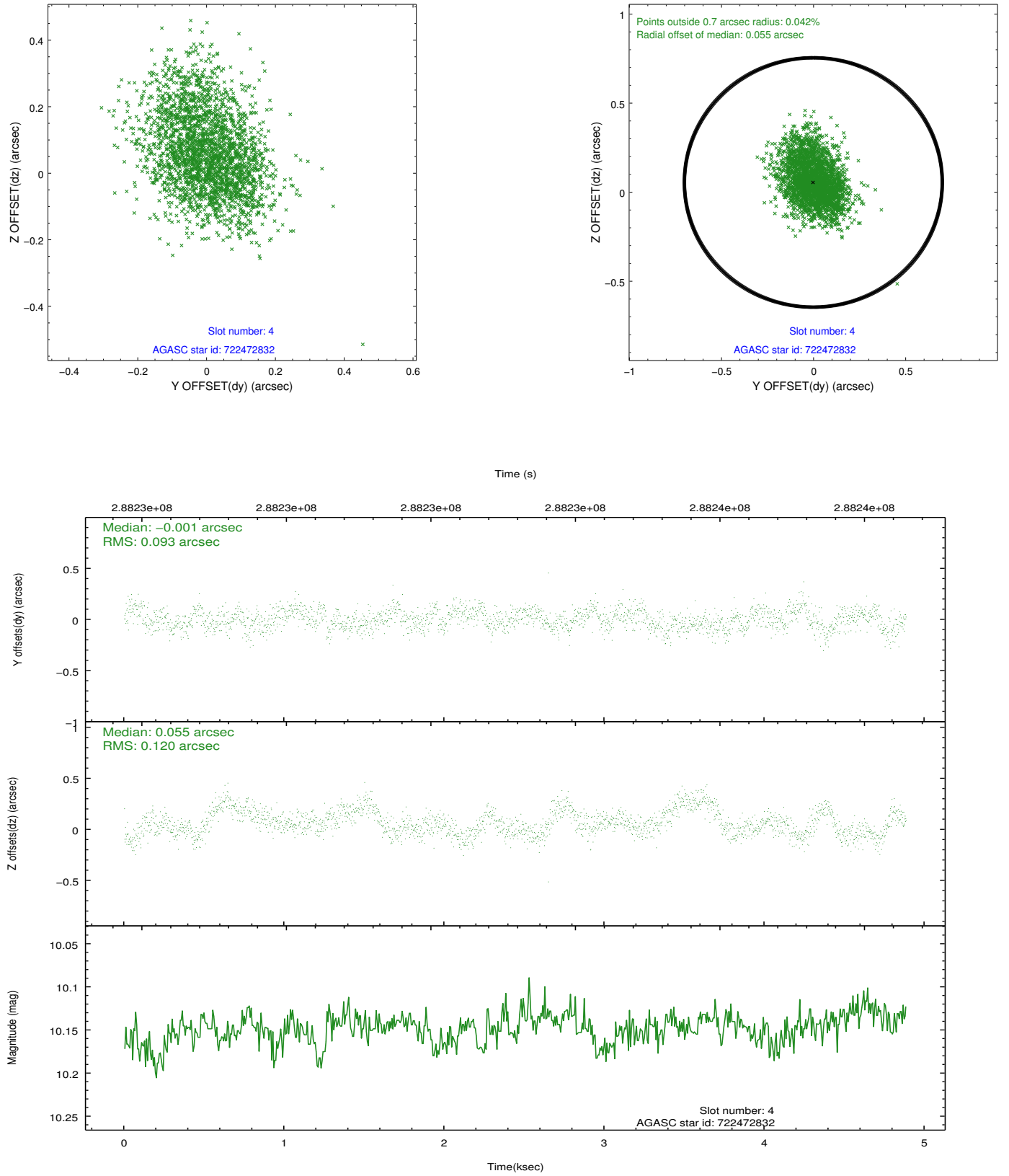
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1192	-0.042	-0.074	0.007	0.011	0.000000	0.000000	-766.83	-1734.62
1	FID	ACIS-S-4	7.20	1192	0.190	0.040	0.006	0.010	0.000000	0.000000	2146.13	172.65
2	FID	ACIS-S-5	7.23	1192	-0.179	0.043	0.007	0.011	0.000000	0.000000	-1818.19	167.79
3	GUIDE	722470296	6.99	2383	-0.232	-0.180	0.056	0.093	172.921689	-12.381367	317.14	549.22
4	GUIDE	722472832	10.15	2378	-0.001	0.055	0.159	0.264	173.078970	-12.015349	1606.95	1166.07
5	GUIDE	722473176	9.49	2380	0.001	-0.188	0.105	0.169	172.599746	-12.066793	223.05	2148.47
6	GUIDE	722871728	9.67	2381	0.153	0.120	0.113	0.198	173.202235	-12.568355	606.63	-608.13
7	GUIDE	722873464	7.30	2382	0.078	0.180	0.070	0.106	172.661543	-13.050266	-1964.54	-644.88

## 2.4 Star Slots

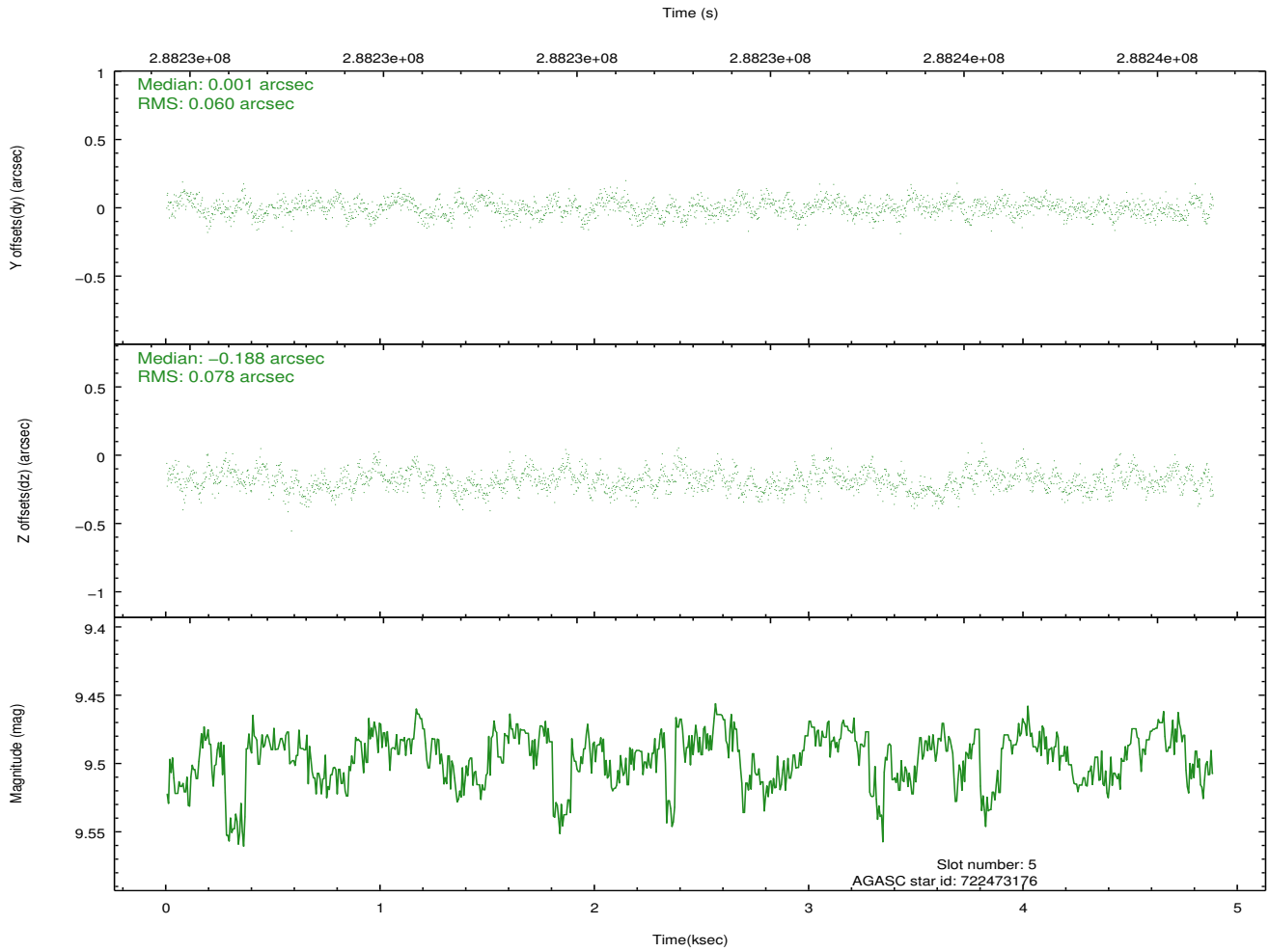
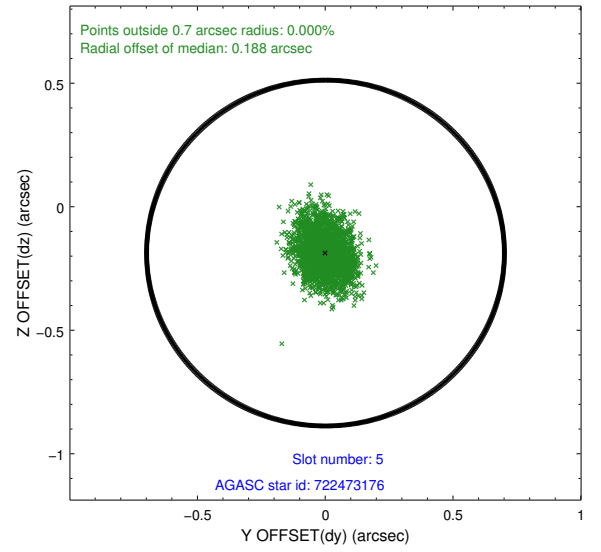
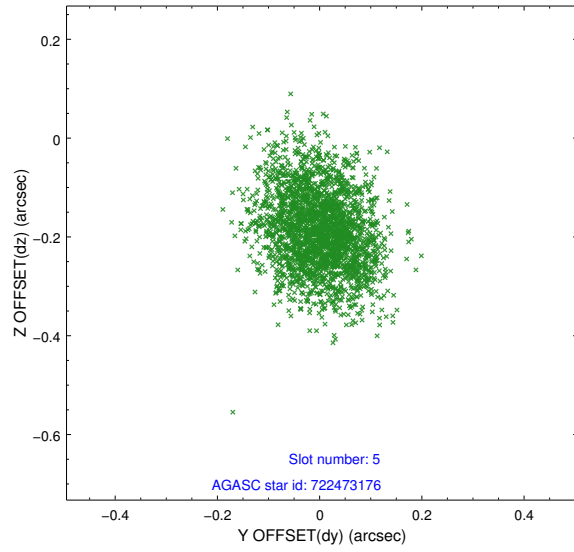
### 2.4.1 Slot 3



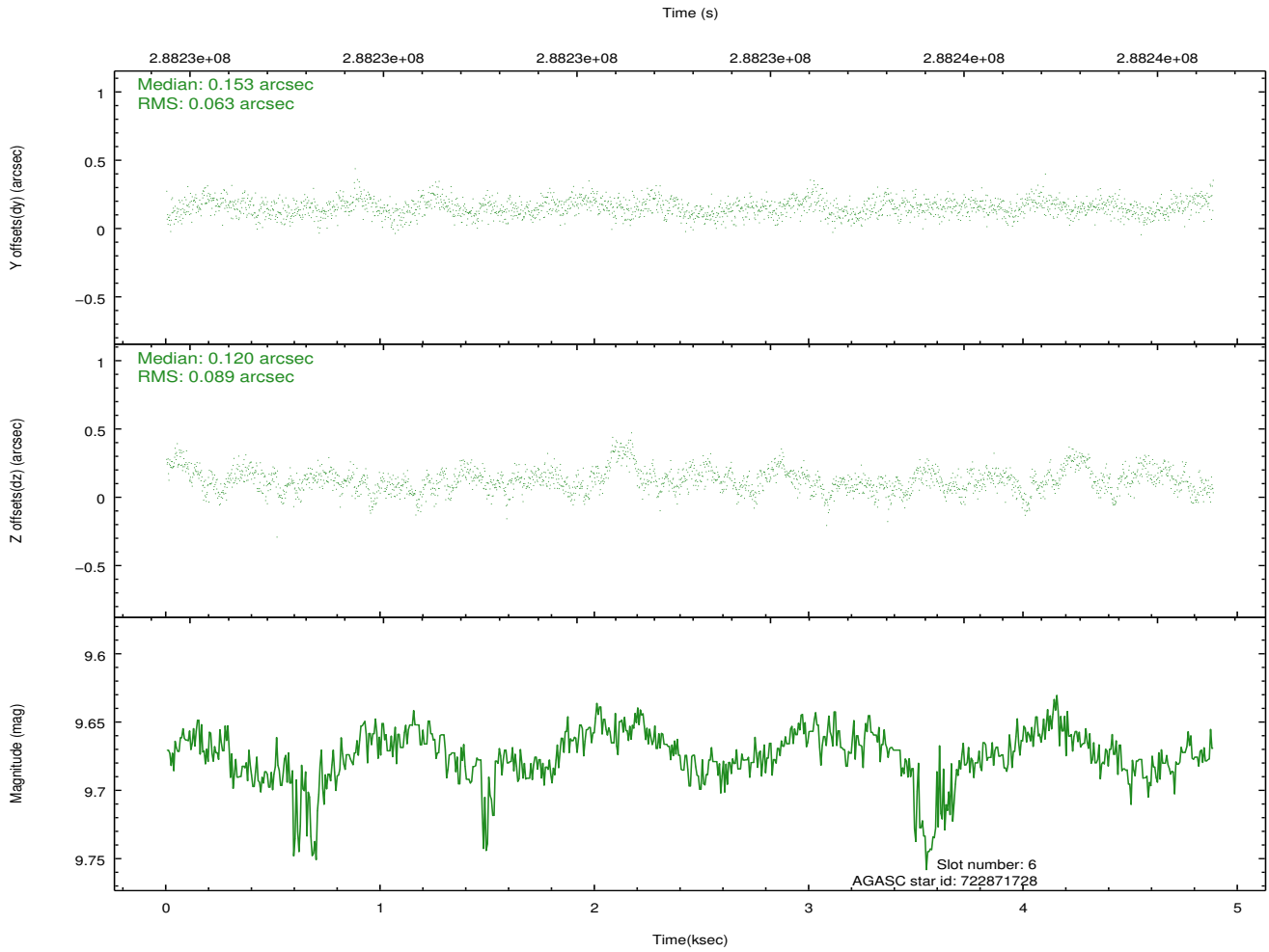
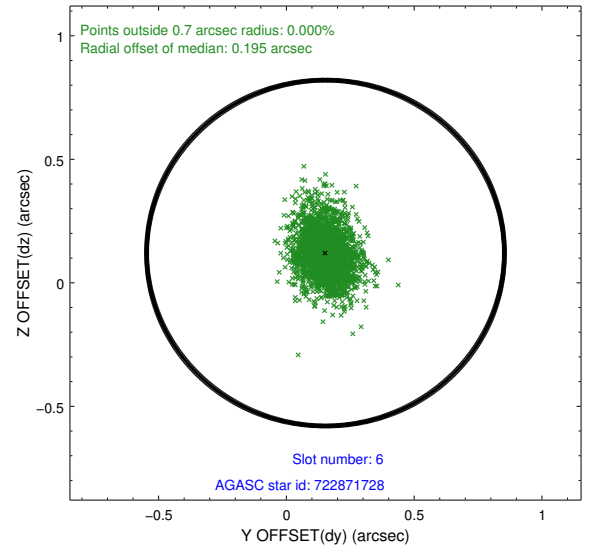
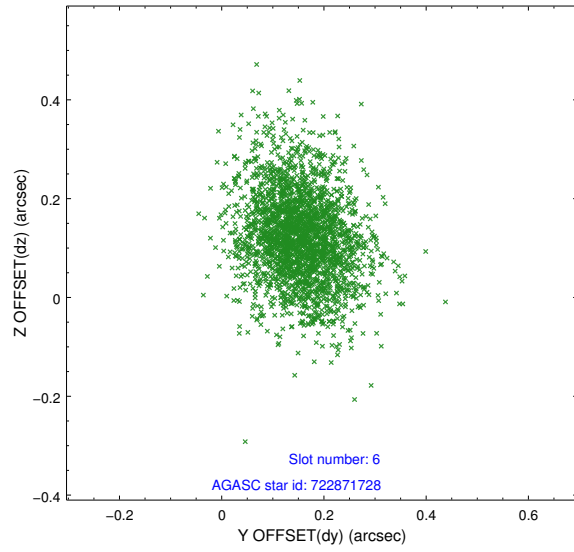
## 2.4.2 Slot 4



### 2.4.3 Slot 5

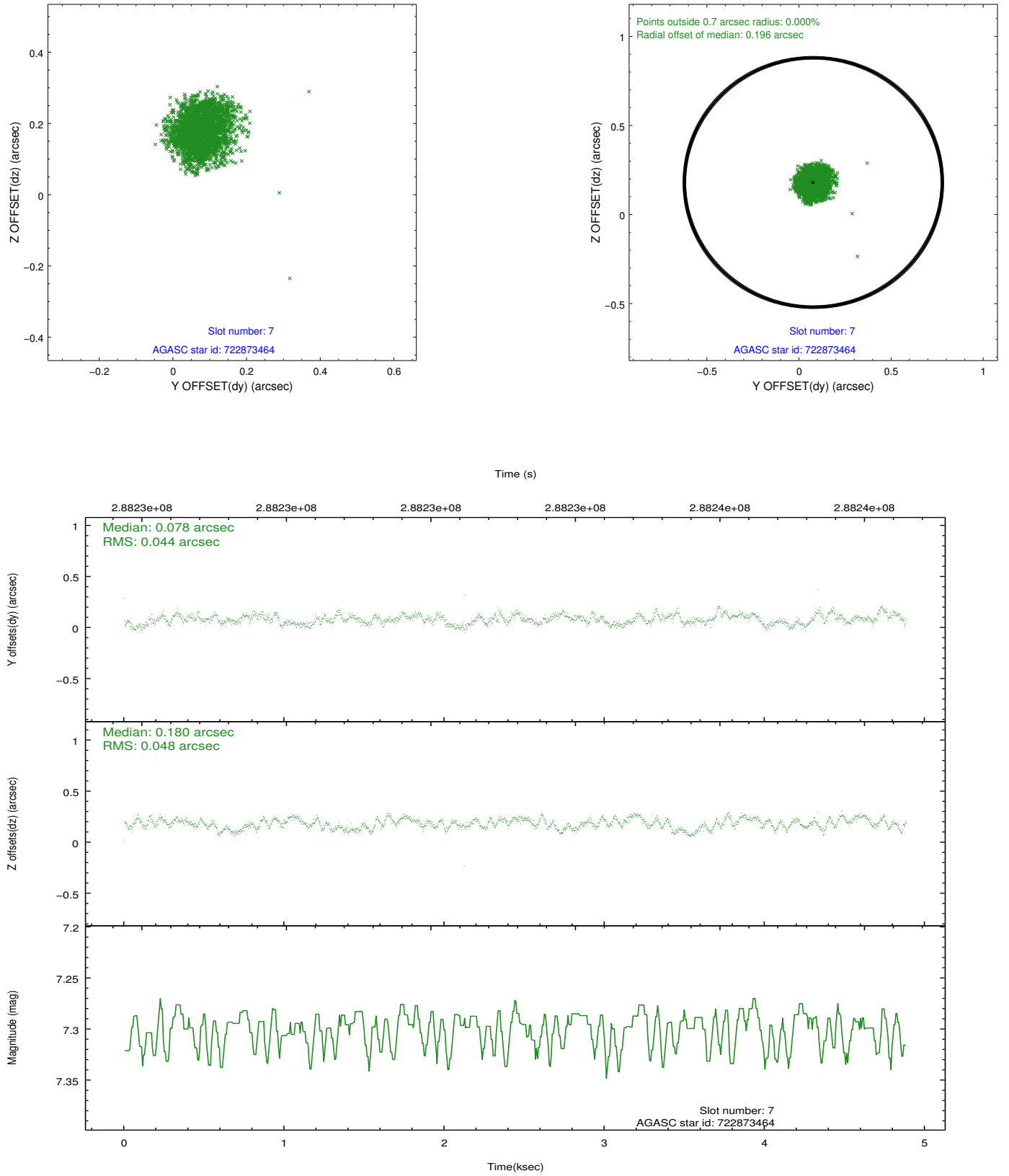


## 2.4.4 Slot 6



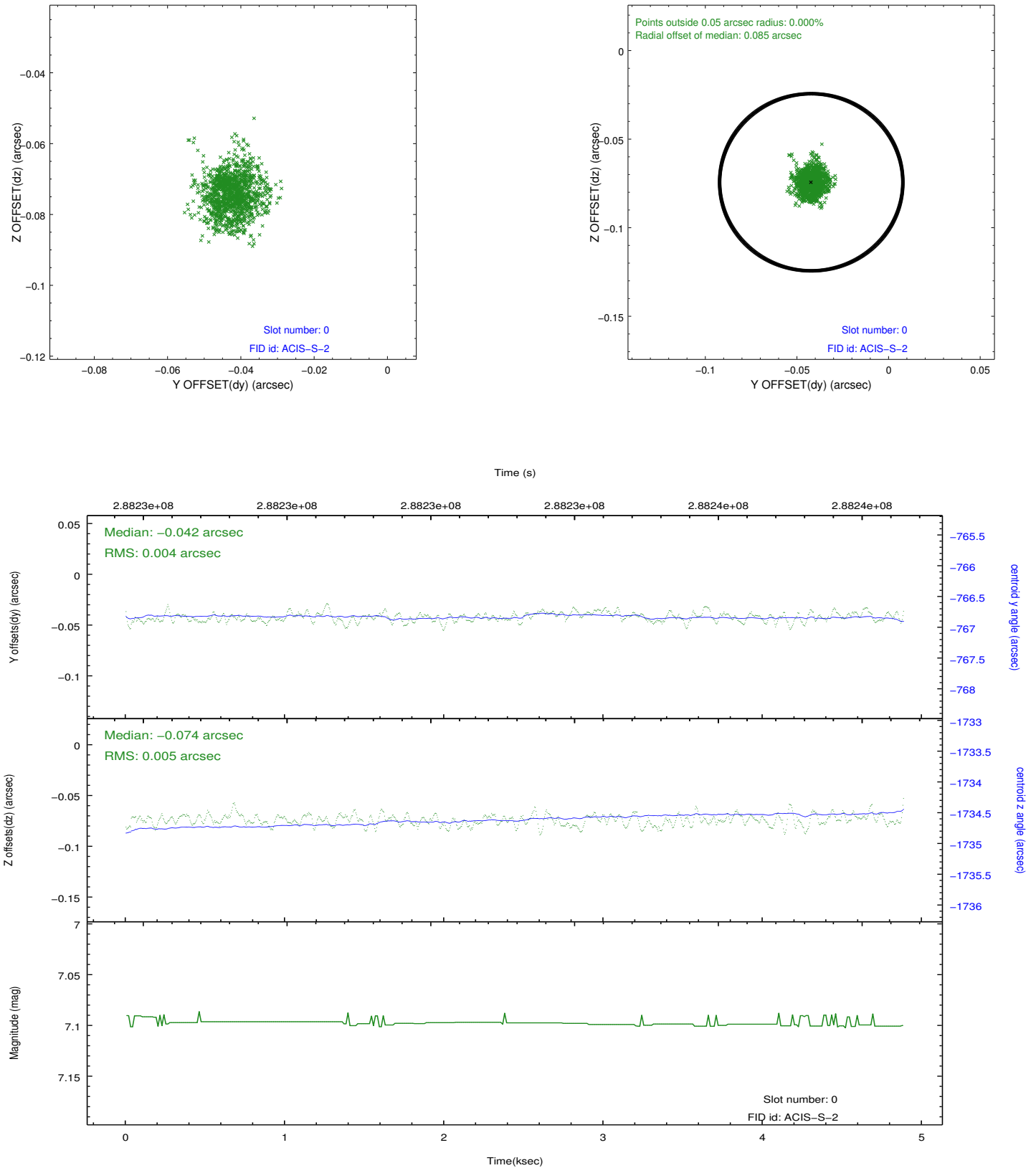


## 2.4.5 Slot 7

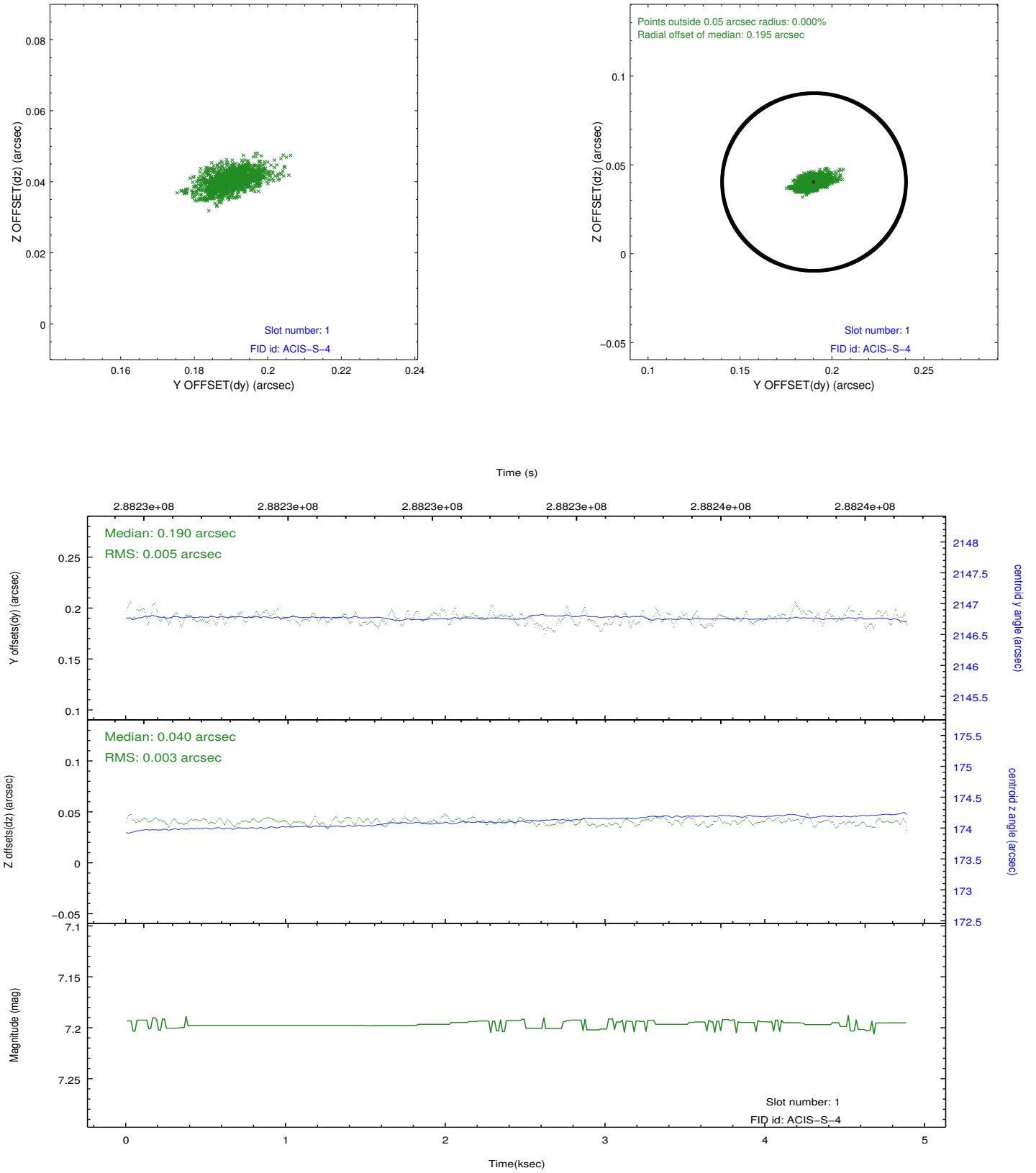


## 2.5 FID Slots

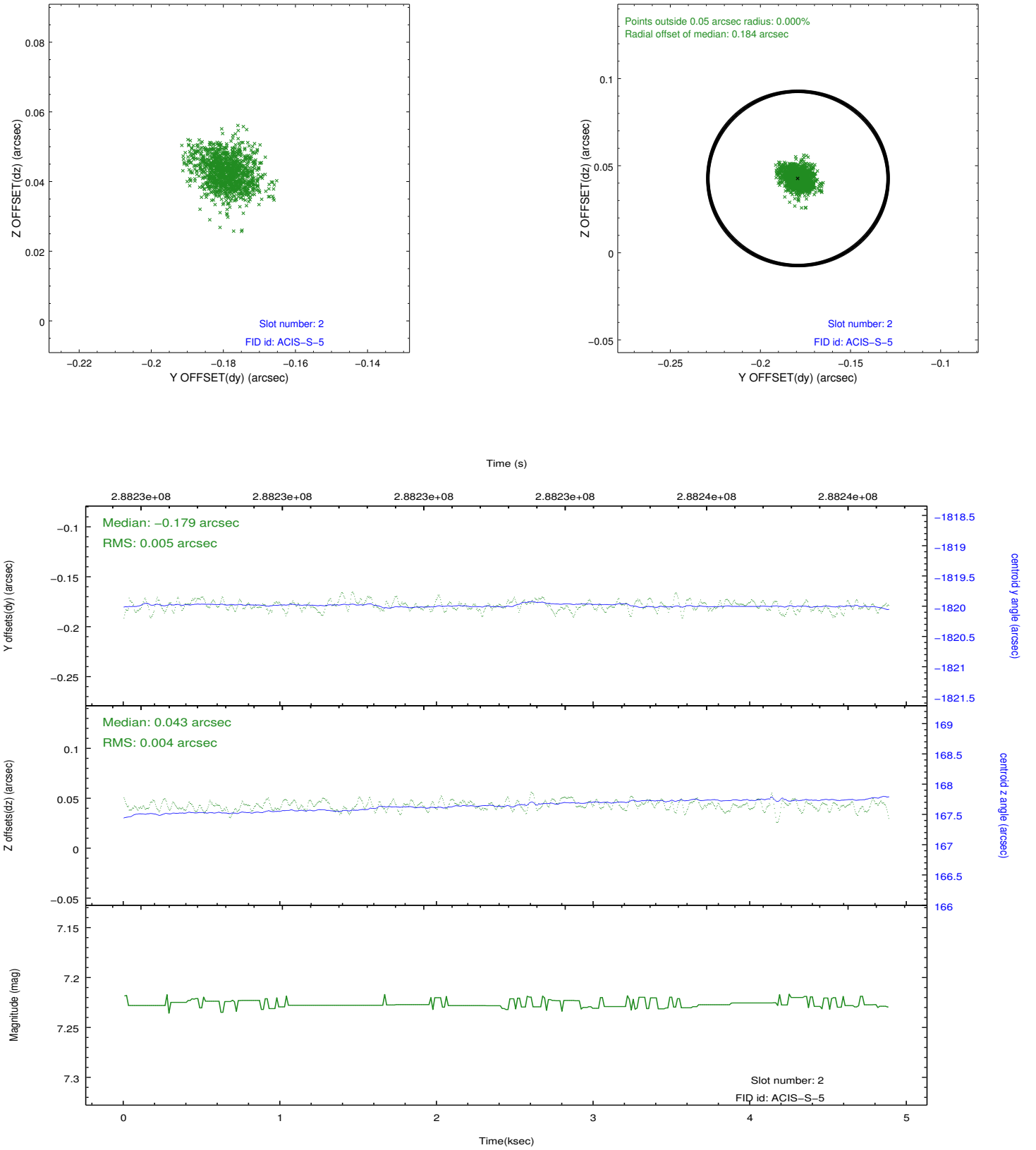
### 2.5.1 Slot 0



## 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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8823997

### A.2 Comments

Joint proposal with HST.