

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5596 - L2 Version 3  
Chandra X-Ray Center

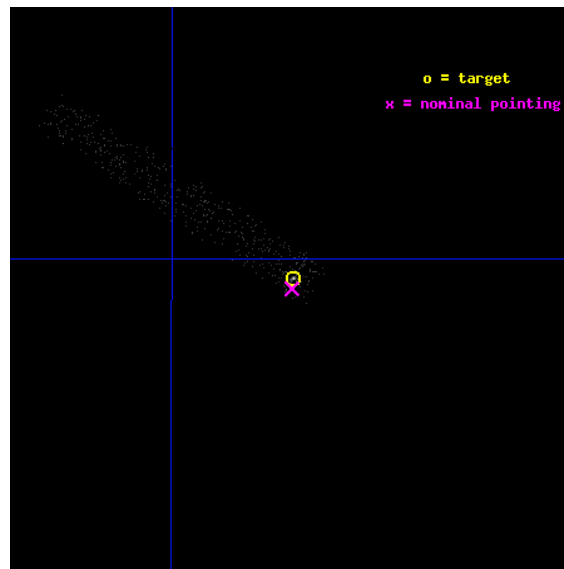
L2 Processing Date : Dec 20 2012

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# 1 Front

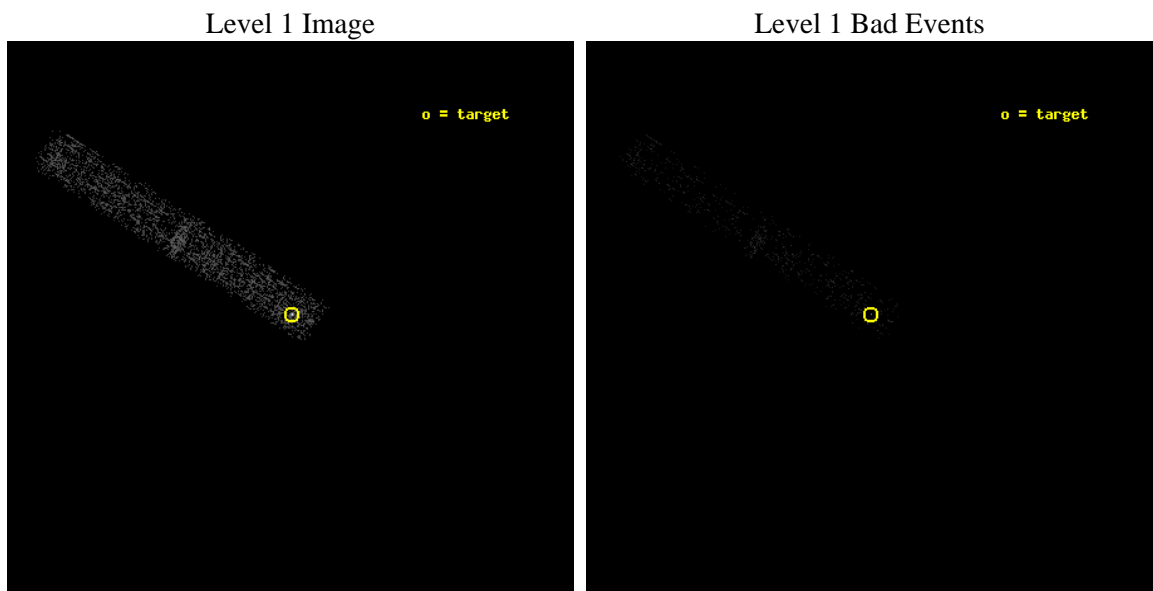
seq_num	701020	Sequence number
obs_id	5596	Observation id
title	An X-ray study of the hot gas environment around the nearby radio galaxy IC 310	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	IC 310	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.179167	Observer's specified target RA [deg]
dec_targ	41.324833	Observer's specified target Dec [deg]
ra_nom	49.180215130599	Nominal RA [deg]
dec_nom	41.320306732624	Nominal Dec [deg]
roll_nom	302.95970880216	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5181.75	Sum of GTIs [s]
livetime	1506.3226744186	Livetime [s]
ontime3	5181.75	Sum of GTIs [s]
l2events	1601	Number of level 2 events



## 2 OBI

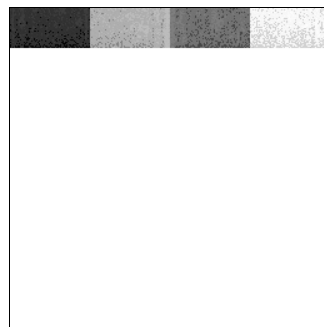
### 2.1 OBI

#### 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	5181.75	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime3	5181.75	Sum of GTIs [s]
date	2012-12-20T23:14:37	Date and time of file creation	l1events	5889	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	5889
rejected events	4203
rejected %	71%

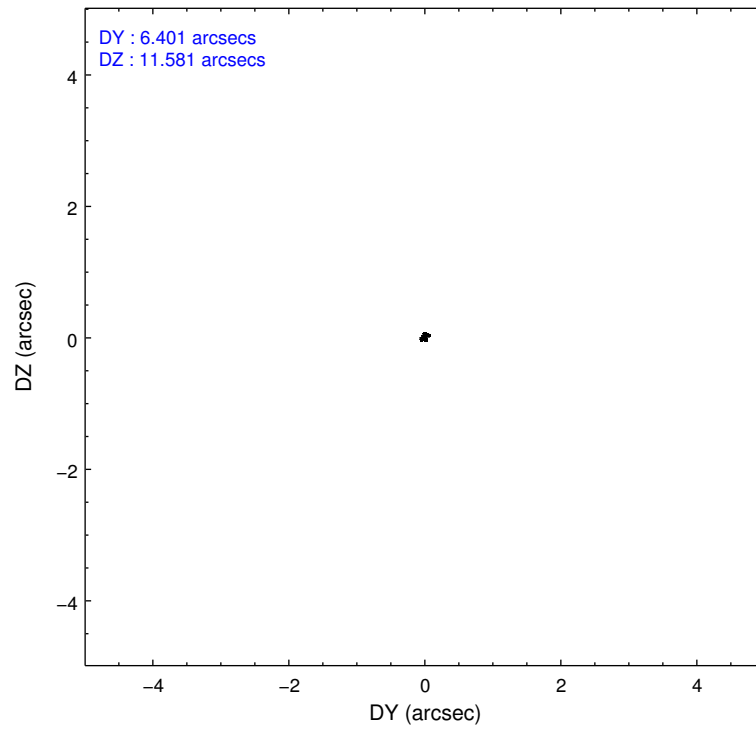
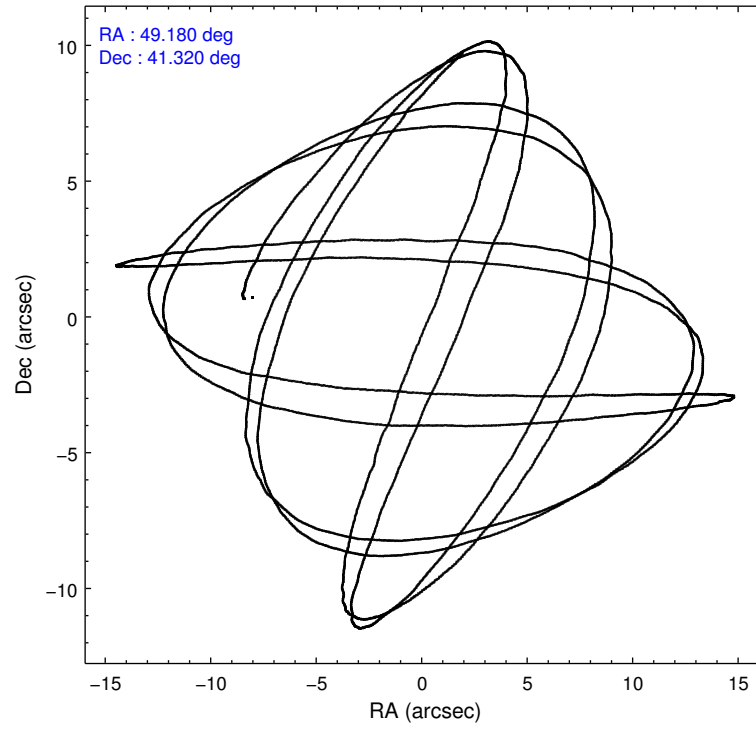
	<b>ccd 3</b>
grade 0 events	1246
	21%
grade 1 events	19
	0%
grade 2 events	180
	3%
grade 3 events	131
	2%
grade 4 events	124
	2%
grade 5 events	117
	1%
grade 6 events	85
	1%
grade 7 events	3987
	67%

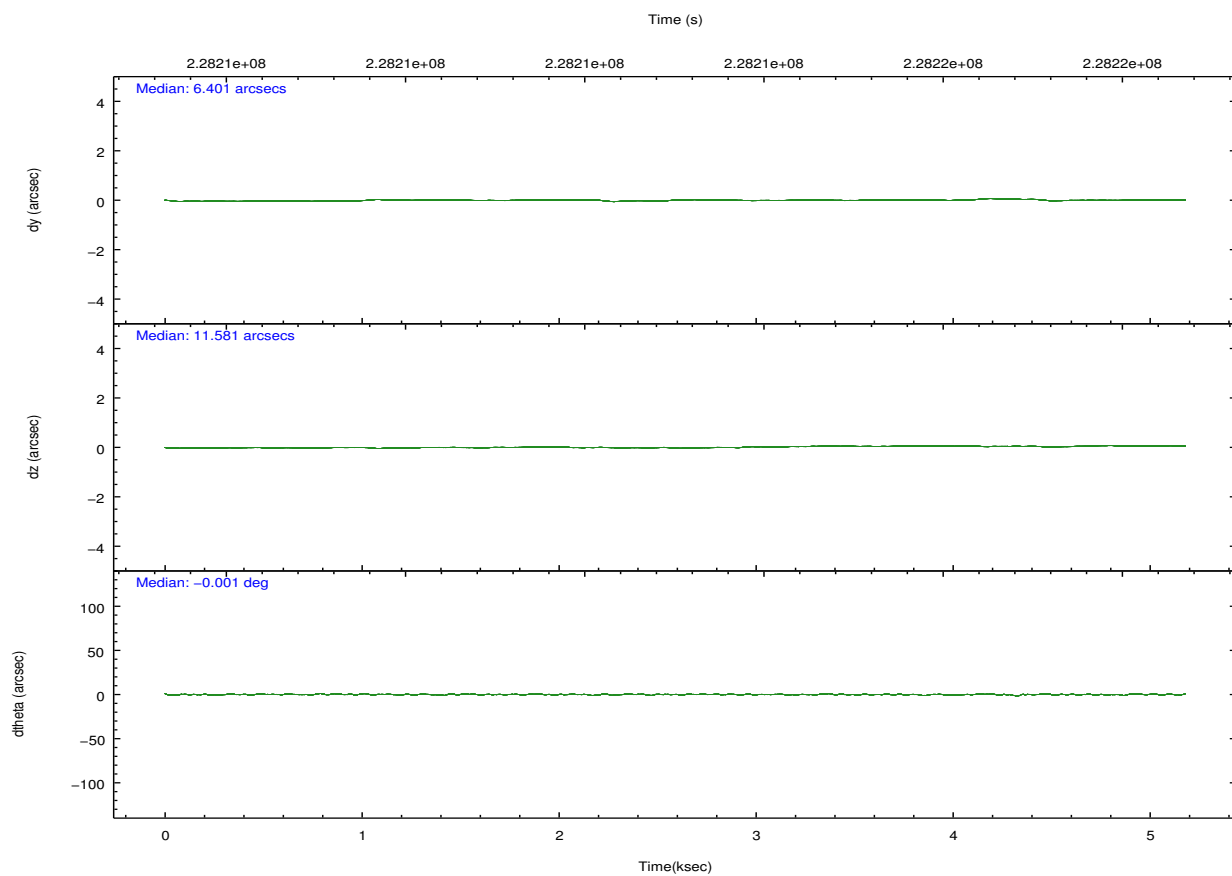
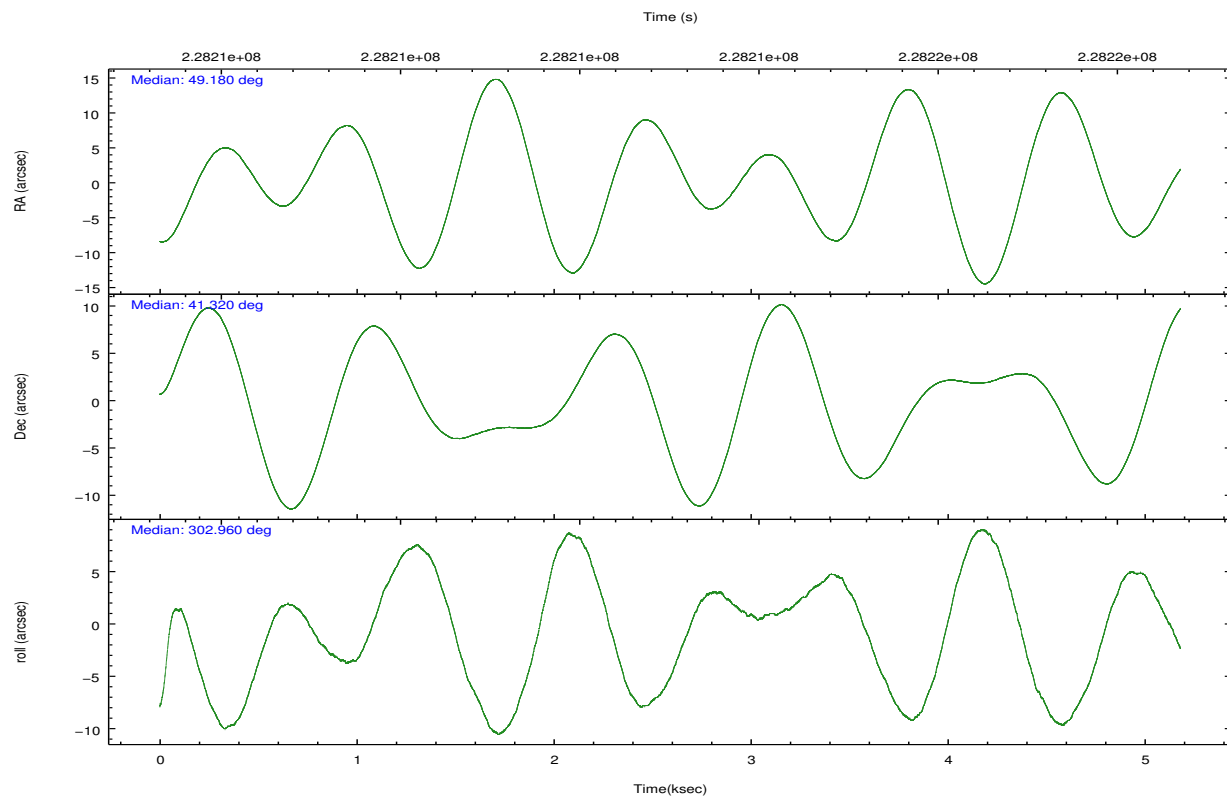


## 2.2 Compared Parameters

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	49.147685	49.18021513059929	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	41.332613	41.32030673262365	Subarray start row	897	897
[deg] Pointing Roll	302.772532	302.9597088021609	Subarray row count	128	128
[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	0.2
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	228211092.184000	228210183.19151			
Observation start date	2005-03-26T07:57:08	2005-03-26T07:43:03			
[s] Observation end time (MET)	228216092.184000	228216799.56681			
Observation end date	2005-03-26T09:20:28	2005-03-26T09:33:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect



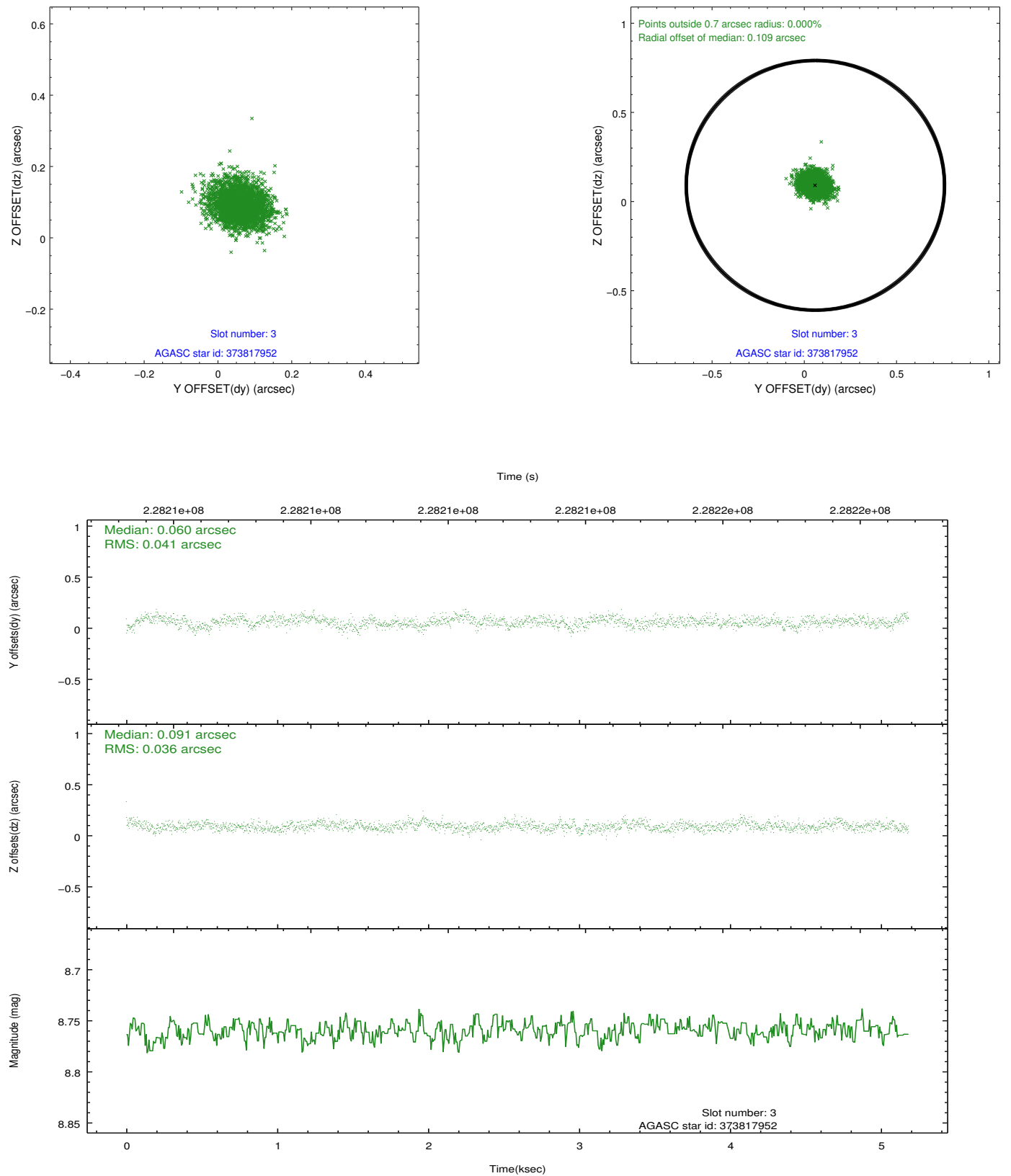


### Slot Statistics

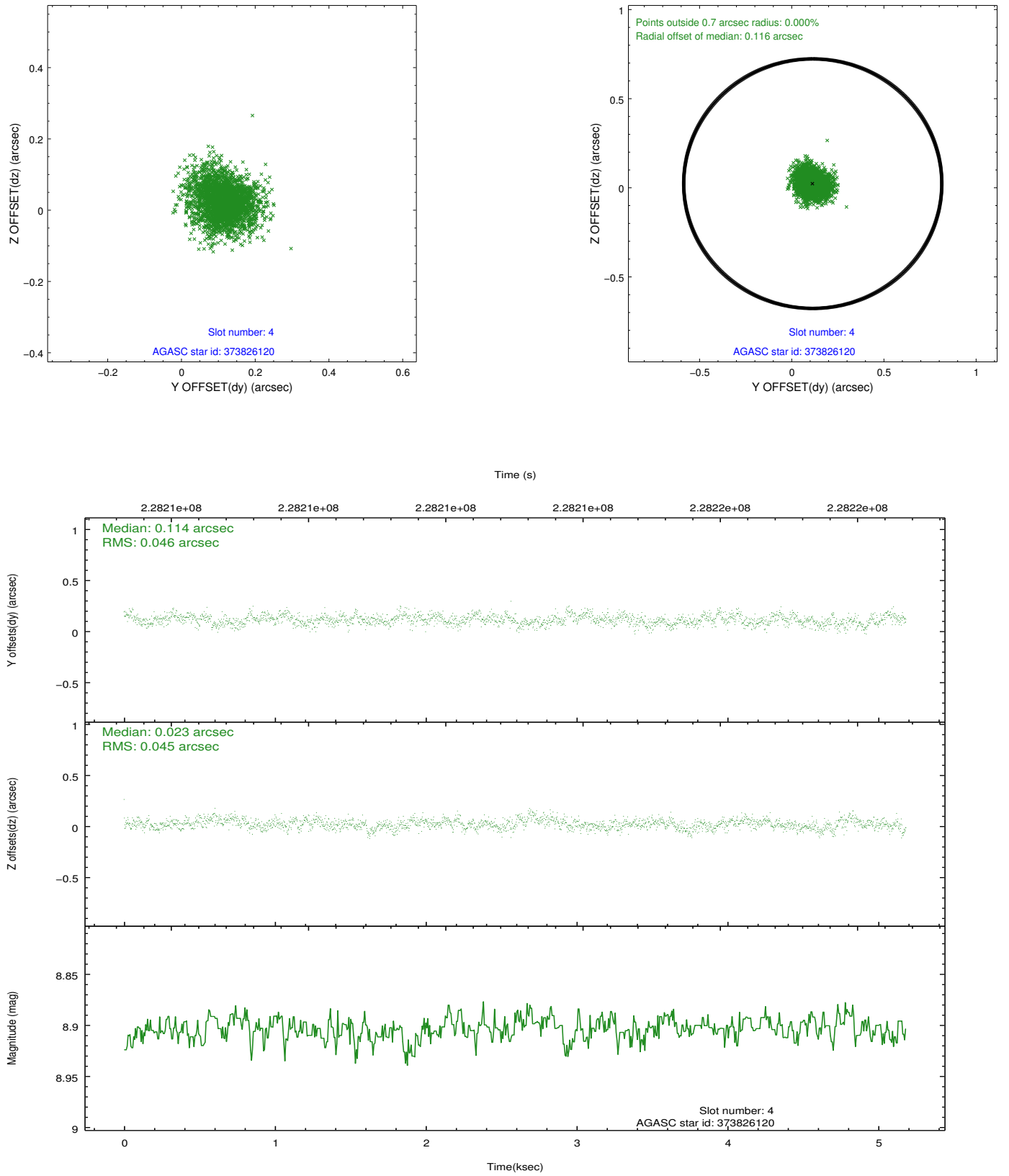
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1264	0.041	-0.016	0.006	0.011	0.000000	0.000000	933.32	-835.14
1	FID	ACIS-I-5	7.22	1264	-0.157	0.060	0.006	0.011	0.000000	0.000000	-1814.29	1061.90
2	FID	ACIS-I-6	7.25	1264	0.025	0.026	0.006	0.011	0.000000	0.000000	397.64	1707.64
3	GUIDE	373817952	8.76	2528	0.060	0.091	0.057	0.094	49.913424	40.978510	2191.20	1065.09
4	GUIDE	373826120	8.90	2529	0.114	0.023	0.068	0.113	49.738165	41.186341	1305.48	1063.64
5	GUIDE	374353904	8.33	2529	-0.129	-0.113	0.089	0.136	48.175092	41.439059	-1754.53	-1991.13
6	GUIDE	374355168	8.55	2528	-0.004	-0.064	0.061	0.100	48.517523	41.466988	-1332.20	-1164.77
7	GUIDE	374358688	9.30	2528	-0.035	0.064	0.099	0.159	49.259903	42.100043	-2161.17	1747.44

## 2.4 Star Slots

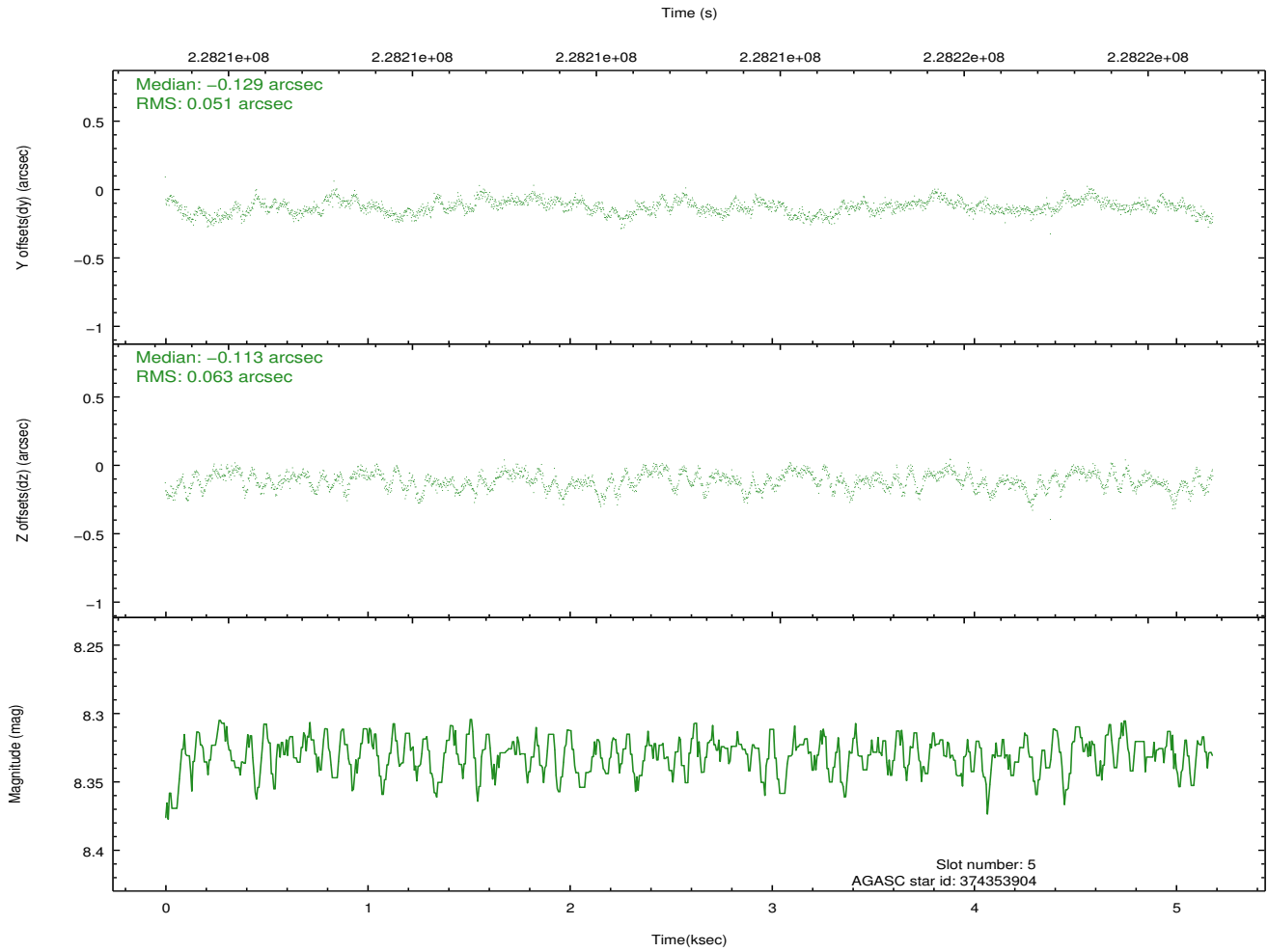
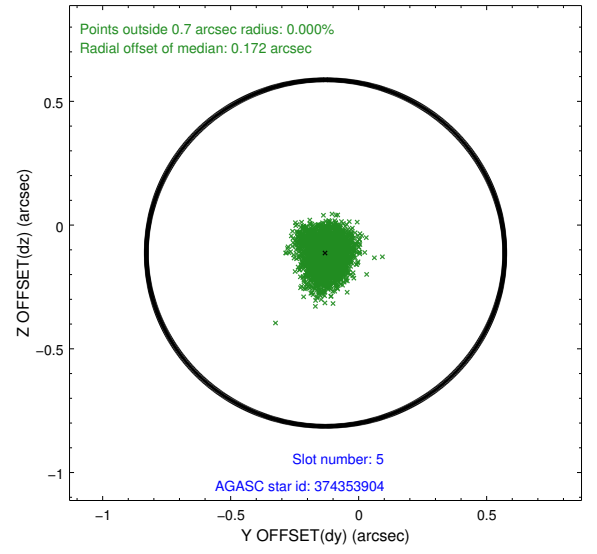
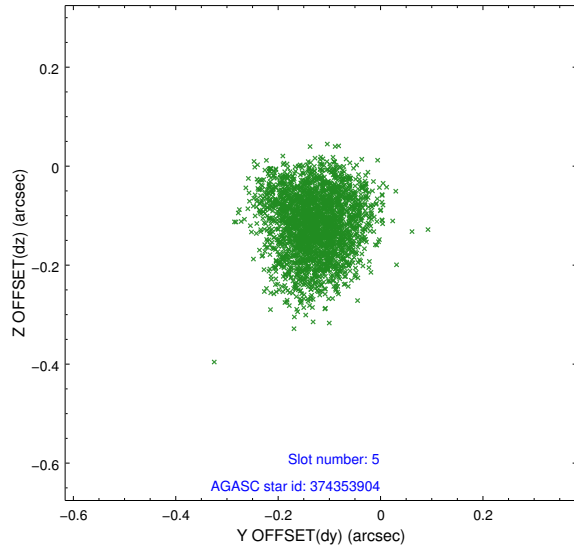
### 2.4.1 Slot 3



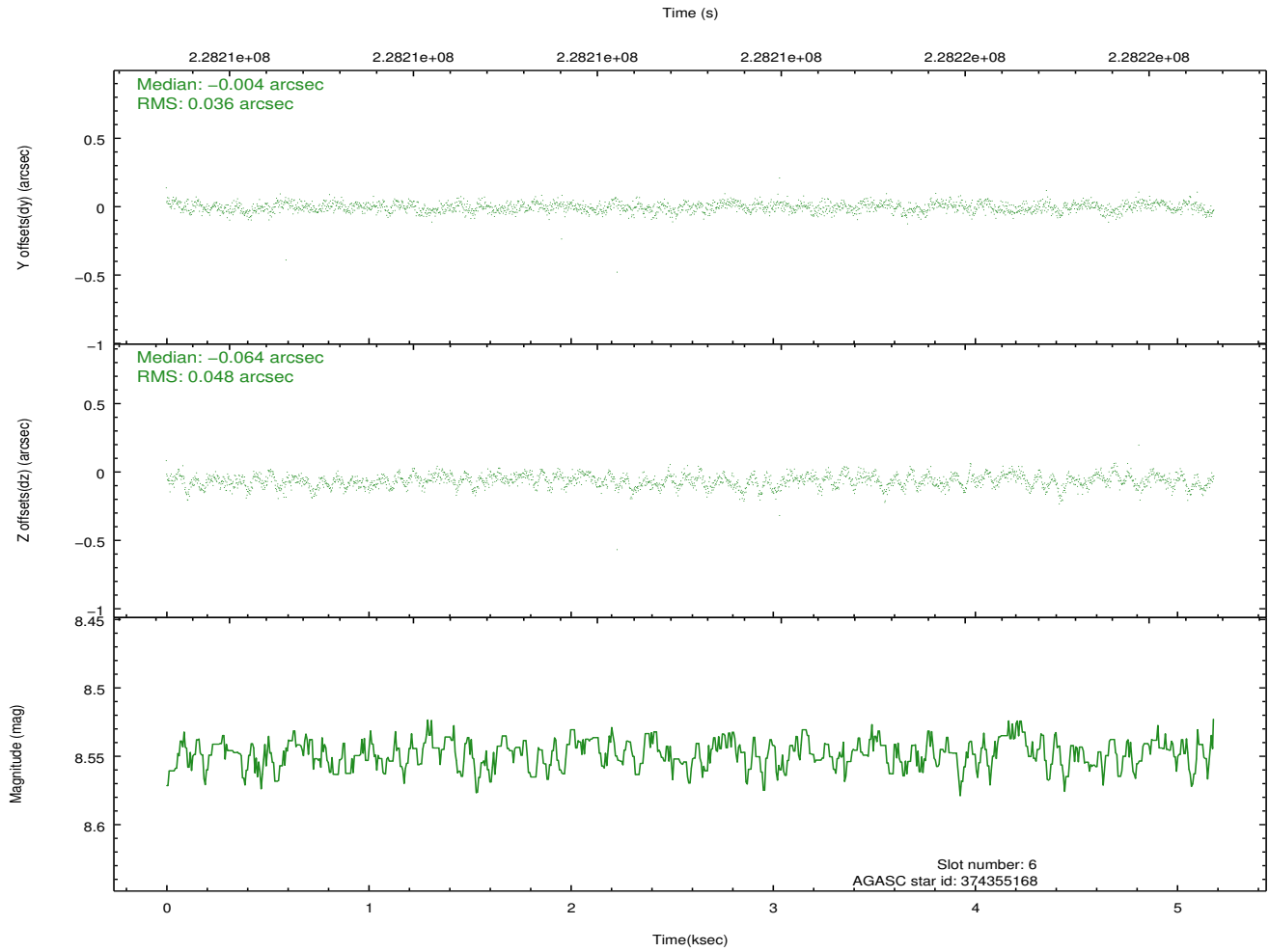
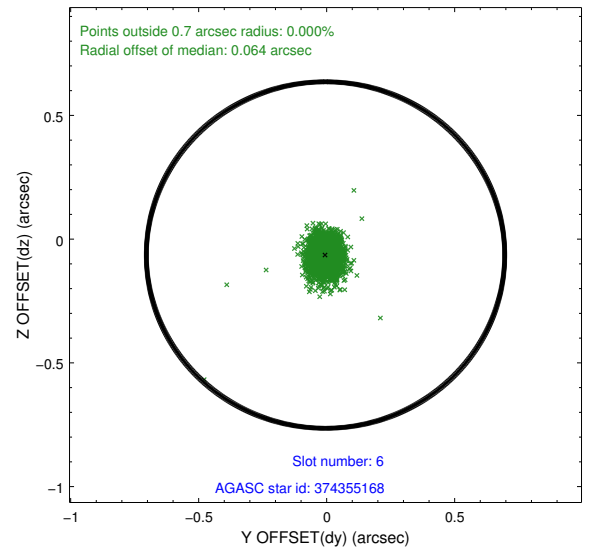
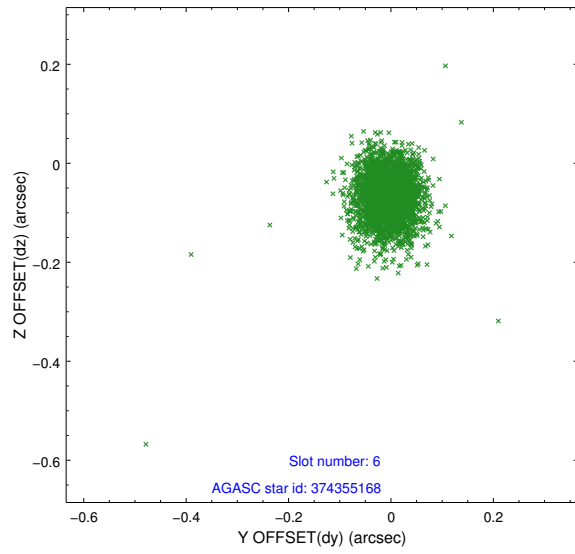
## 2.4.2 Slot 4



### 2.4.3 Slot 5

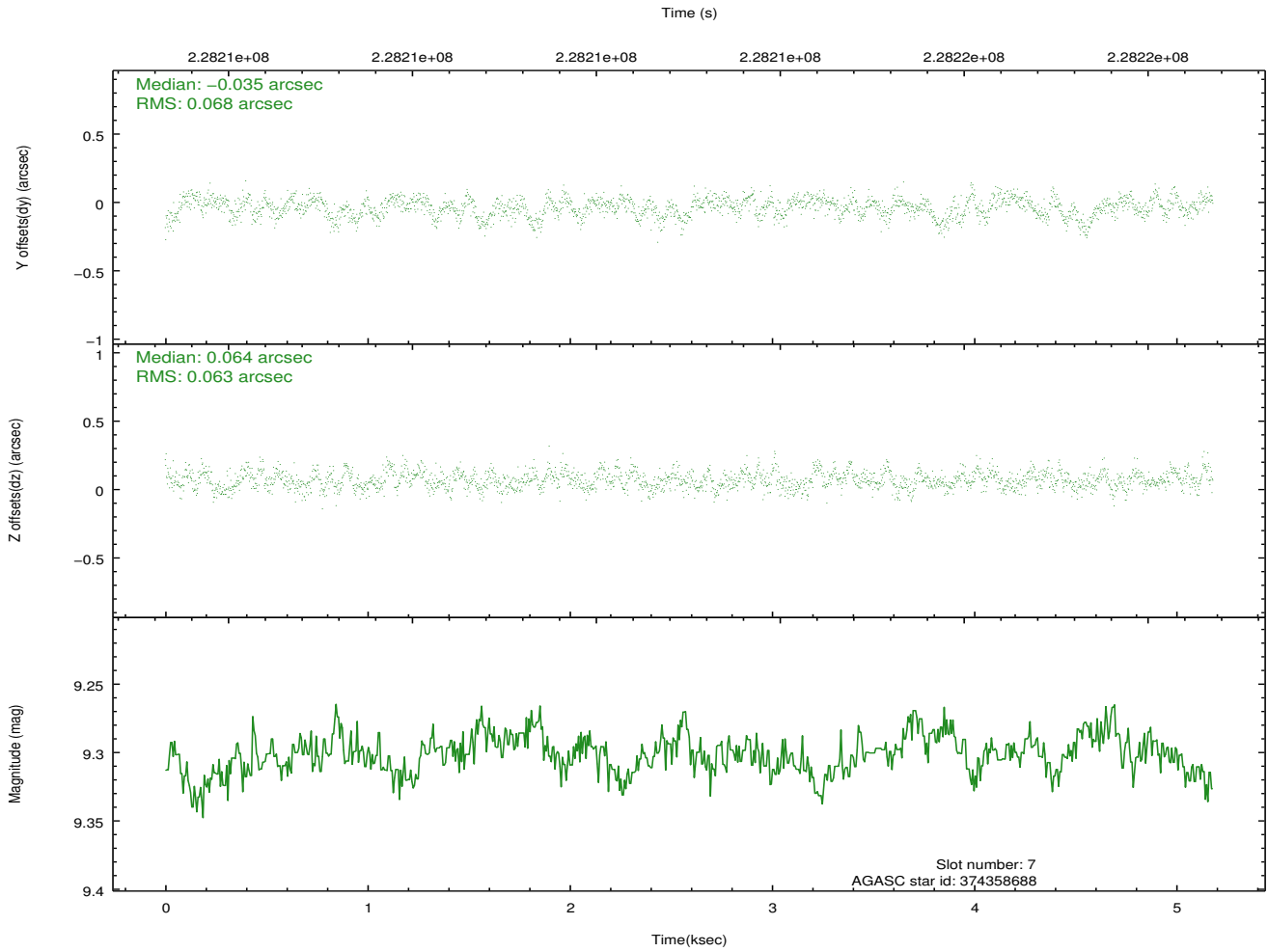
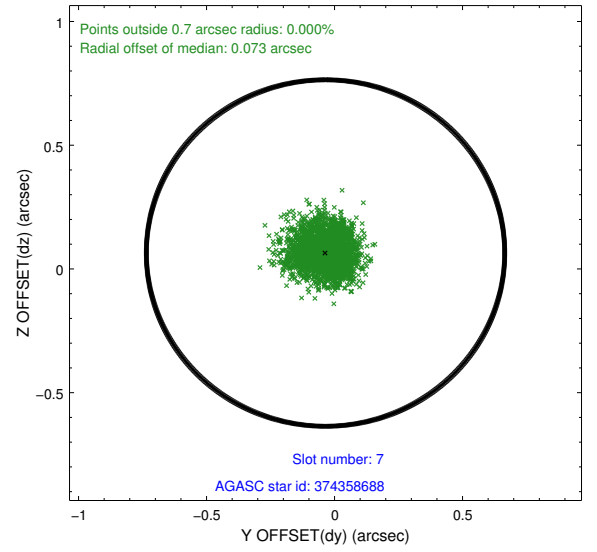
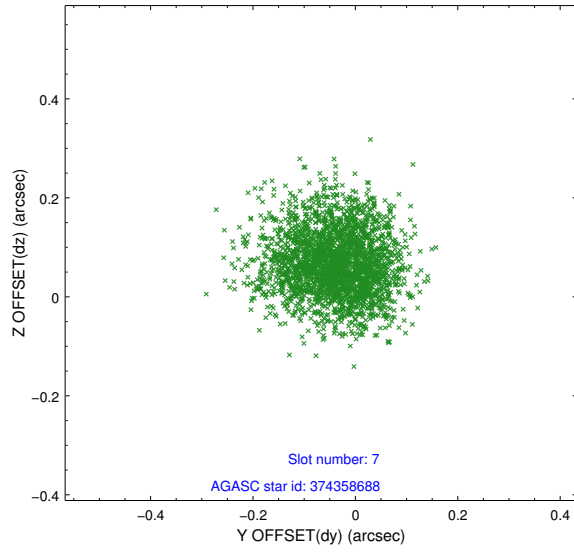


## 2.4.4 Slot 6



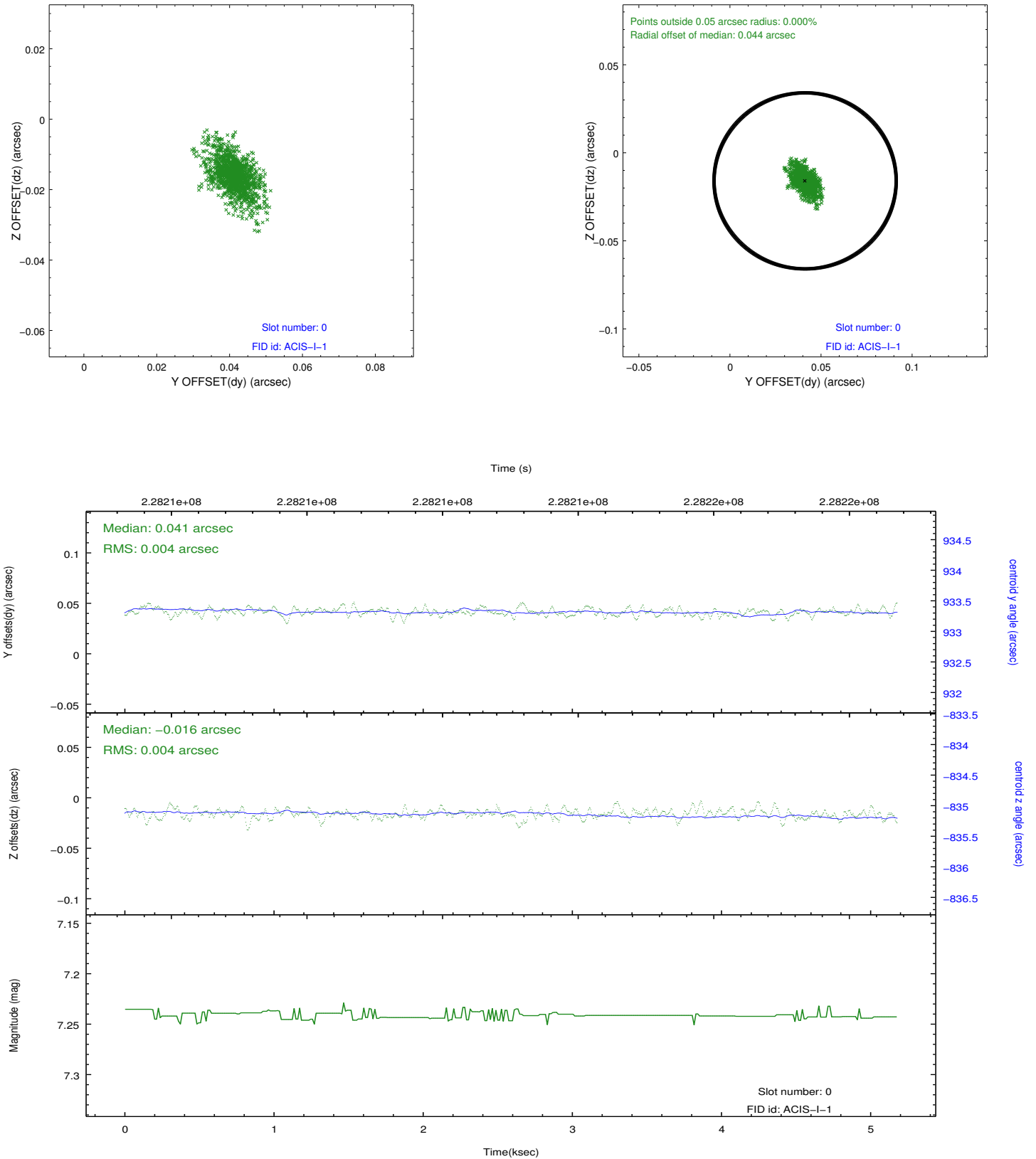


## 2.4.5 Slot 7

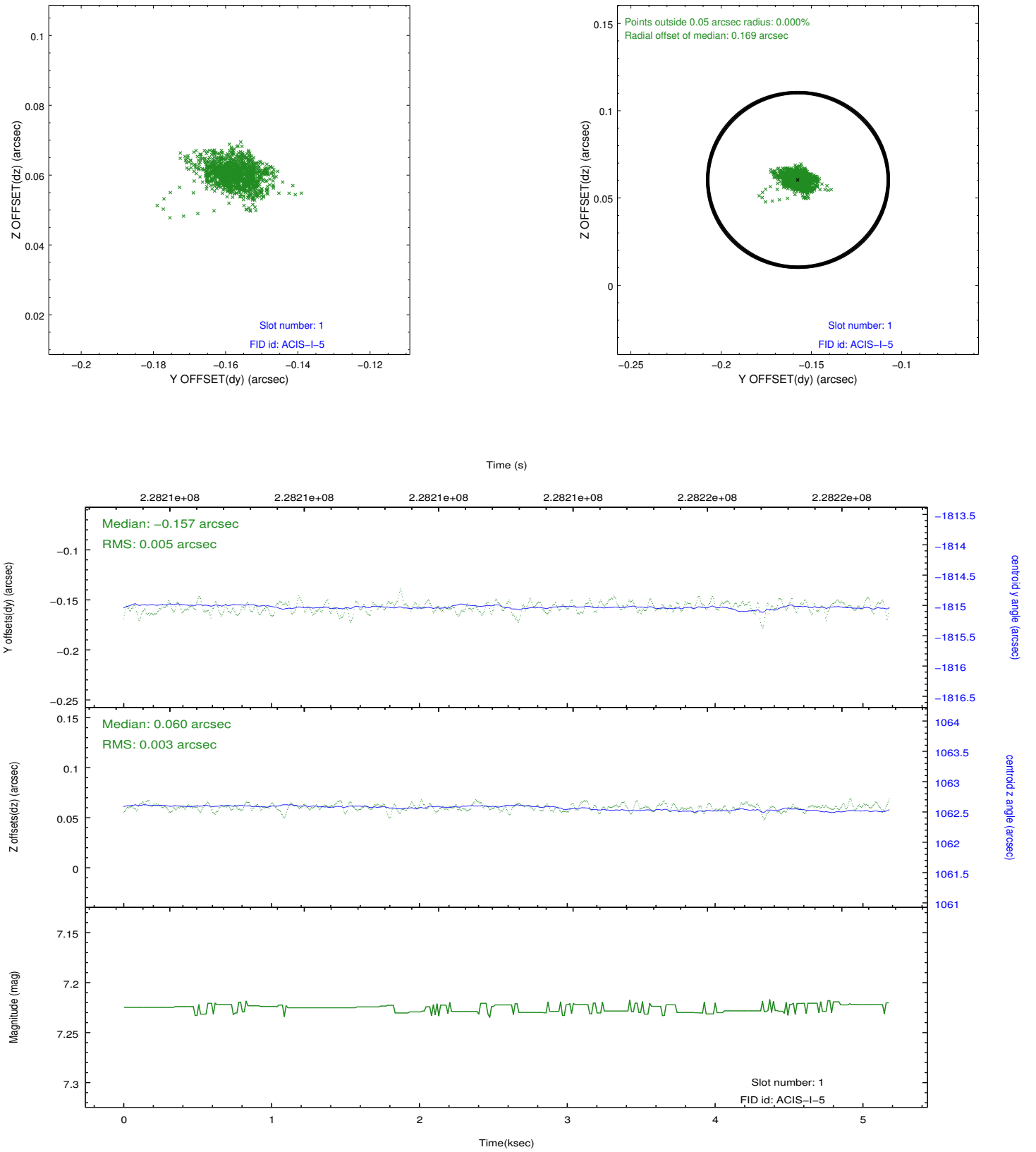


## 2.5 FID Slots

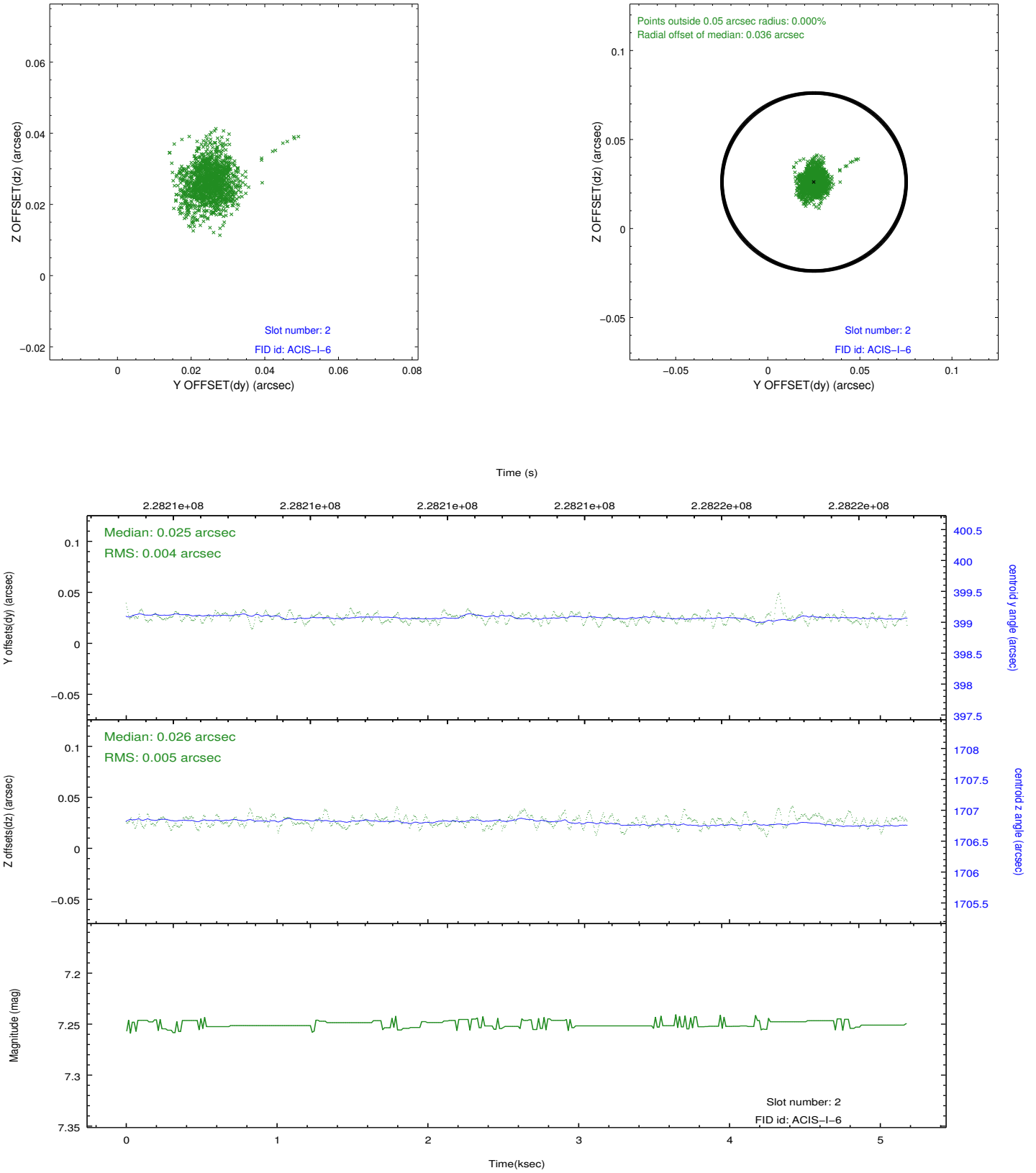
### 2.5.1 Slot 0



## 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)	2013.01.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18175

### A.2 Comments