

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 4558 - L2 Version 002  
Chandra X-Ray Center

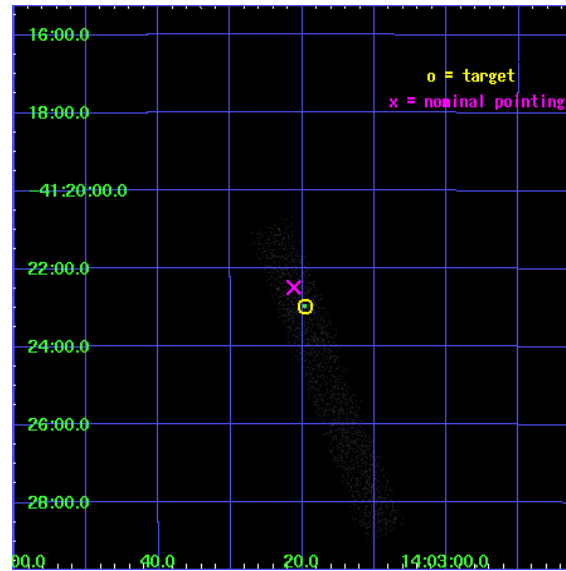
L2 Processing Date: Feb 19 2006

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# 1 Front

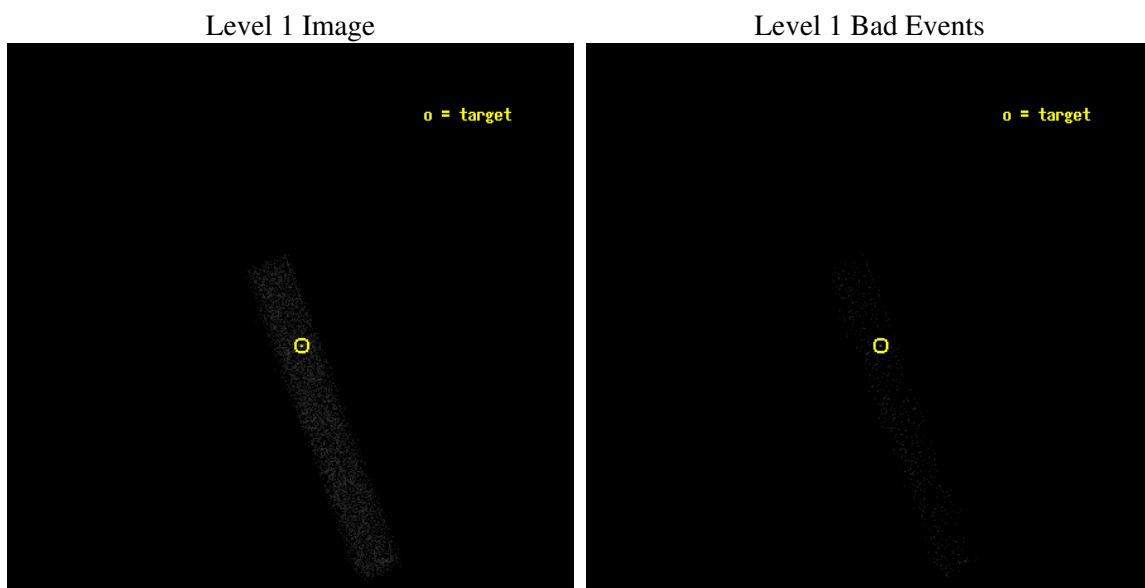
seq_num	400341
obs_id	4558
title	Monitoring the ultraluminous x-ray source in NGC 5408
observer	Prof. Philip Kaaret
object	NGC 5408 ULX
dtcycle	0
cycle	P
ra_targ	210.831667
dec_targ	-41.382972
ra_nom	210.83829828081
dec_nom	-41.374724721193
roll_nom	69.462784653904
revision	2
ontime	5158.8000768721
livetime	4678.7593659279
ontime7	5158.8000768721
l2events	4468



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-19T19:45:58
revision	2

sched_exp_time	5000.000000
ontime	6023.2262824476
ontime7	6023.2262824476
l1events	9806

### 2.1.4 Events

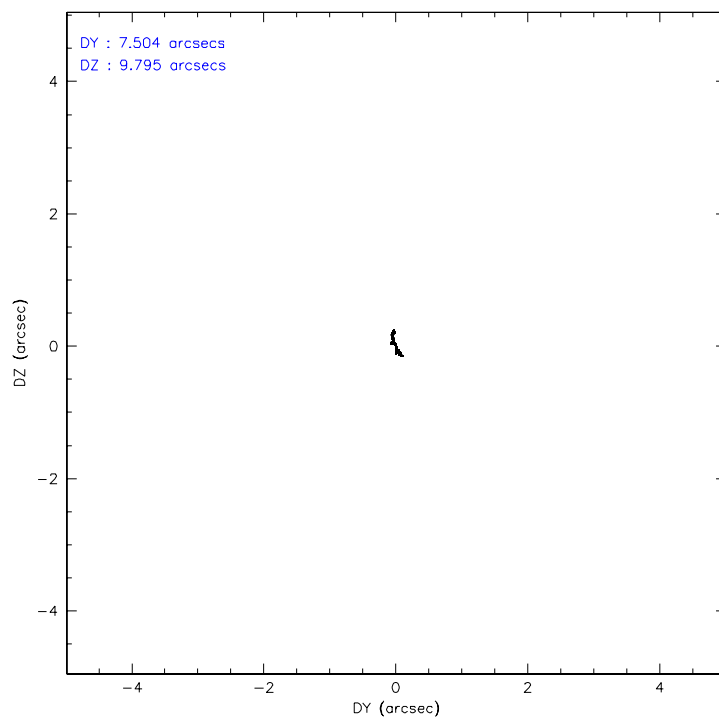
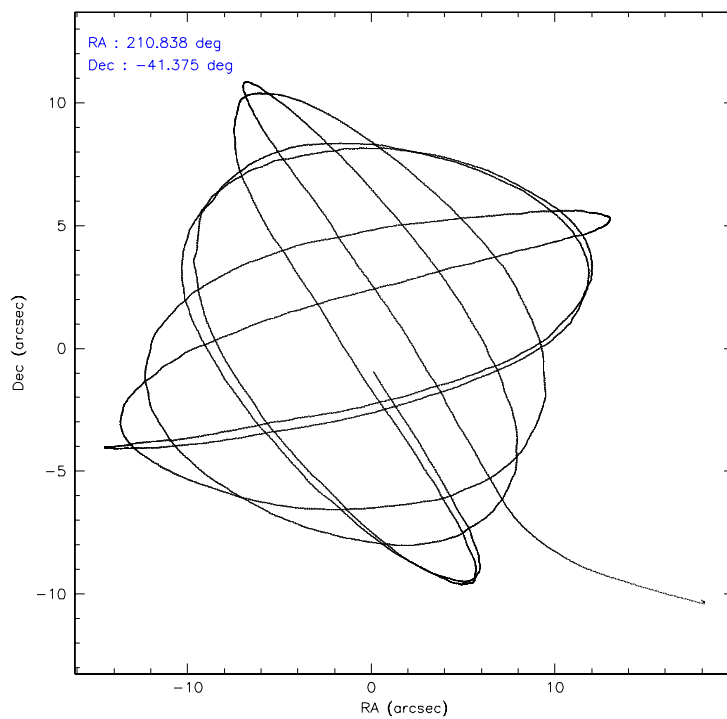
	<b>ccd 7</b>
level 1 events	9806
rejected events	5182
rejected %	52%

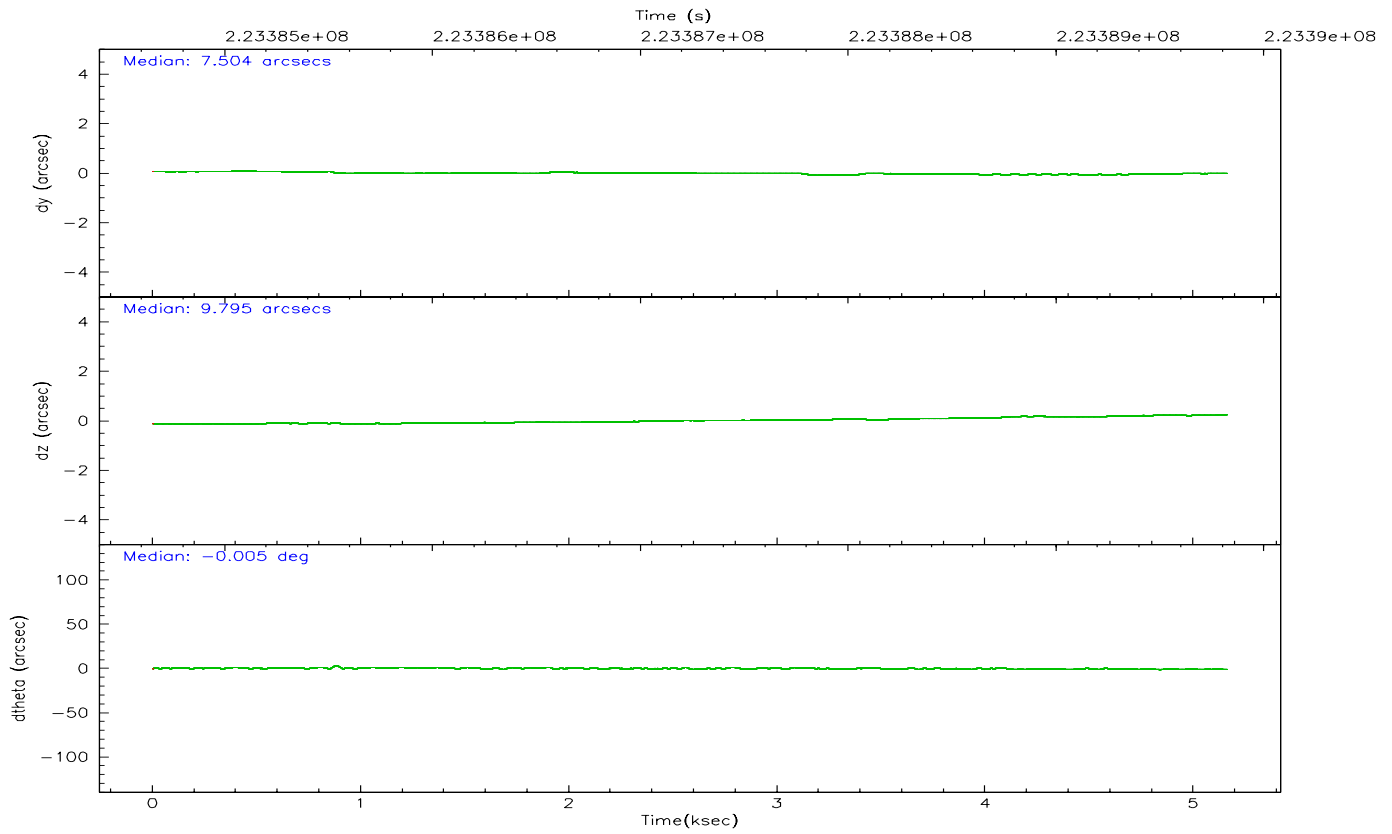
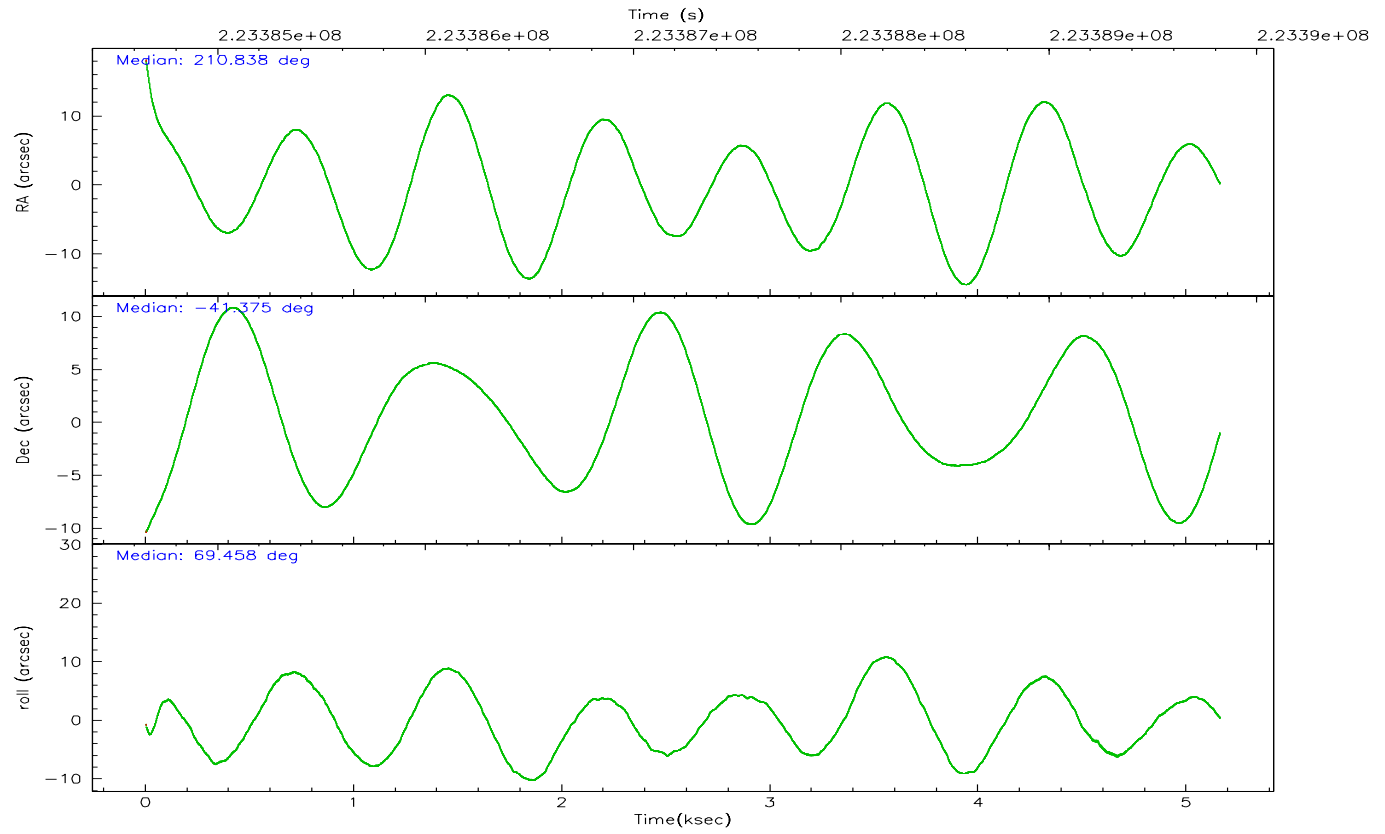
	<b>ccd 7</b>
grade 0 events	761
	7%
grade 1 events	16
	0%
grade 2 events	1212
	12%
grade 3 events	573
	5%
grade 4 events	549
	5%
grade 5 events	582
	5%
grade 6 events	2050
	20%
grade 7 events	4063
	41%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	210.844689	210.8382982808145	Subarray start row	0	449
Pointing Dec	-41.401450	-41.37472472119254	Subarray row count	1024	128
Pointing Roll	69.310410	69.46278465390434	Alternating exposures requested	N	N
Window start time	222566464.184000	222566464.184000	Primary exposure time	0.000000	0.4
Window stop time	233452863.184000	233452863.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	223384820.184000	223383769.57292			
Observation start date	2005-01-29T11:19:16	2005-01-29T11:02:49			
Observation end time	223389820.184000	223390554.56073			
Observation end date	2005-01-29T12:42:36	2005-01-29T12:55:54			
Read mode	TIMED	TIMED			

## 2.3 Aspect





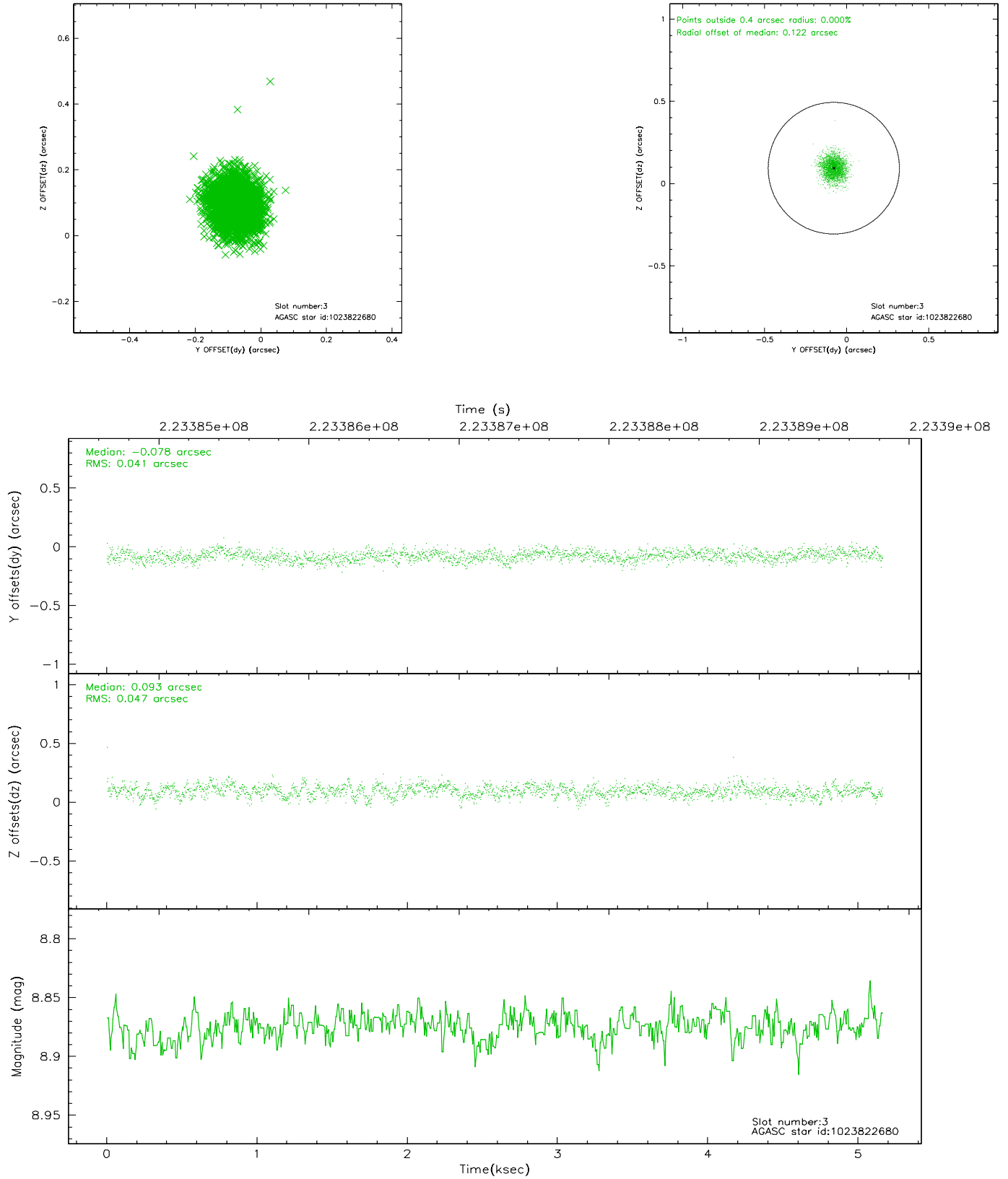
### Slot Statistics

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	1259	-0.032	-0.004	0.009	0.014	0.000000	0.000000	-760.26	-1731.07
1	FID	ACIS-S-4	7.21	1259	0.057	0.016	0.013	0.021	0.000000	0.000000	2152.53	176.28
2	FID	ACIS-S-5	7.24	1259	-0.056	-0.004	0.009	0.016	0.000000	0.000000	-1811.66	171.19
3	GUIDE	1023822680	8.87	2518	-0.078	0.093	0.066	0.107	211.176618	-41.286245	703.66	-693.33
4	GUIDE	1023824024	7.52	2517	0.044	0.177	0.061	0.094	210.697872	-41.987484	-2112.21	-377.78
5	GUIDE	1023825800	8.70	2517	-0.064	-0.170	0.067	0.109	210.501956	-41.389570	-289.46	880.52
6	GUIDE	1023829016	6.61	2518	-0.065	0.124	0.074	0.143	210.864452	-41.423345	-54.94	-76.73
7	GUIDE	1022113240	8.68	2516	0.157	-0.228	0.085	0.141	209.911894	-41.827693	-2332.02	1794.03

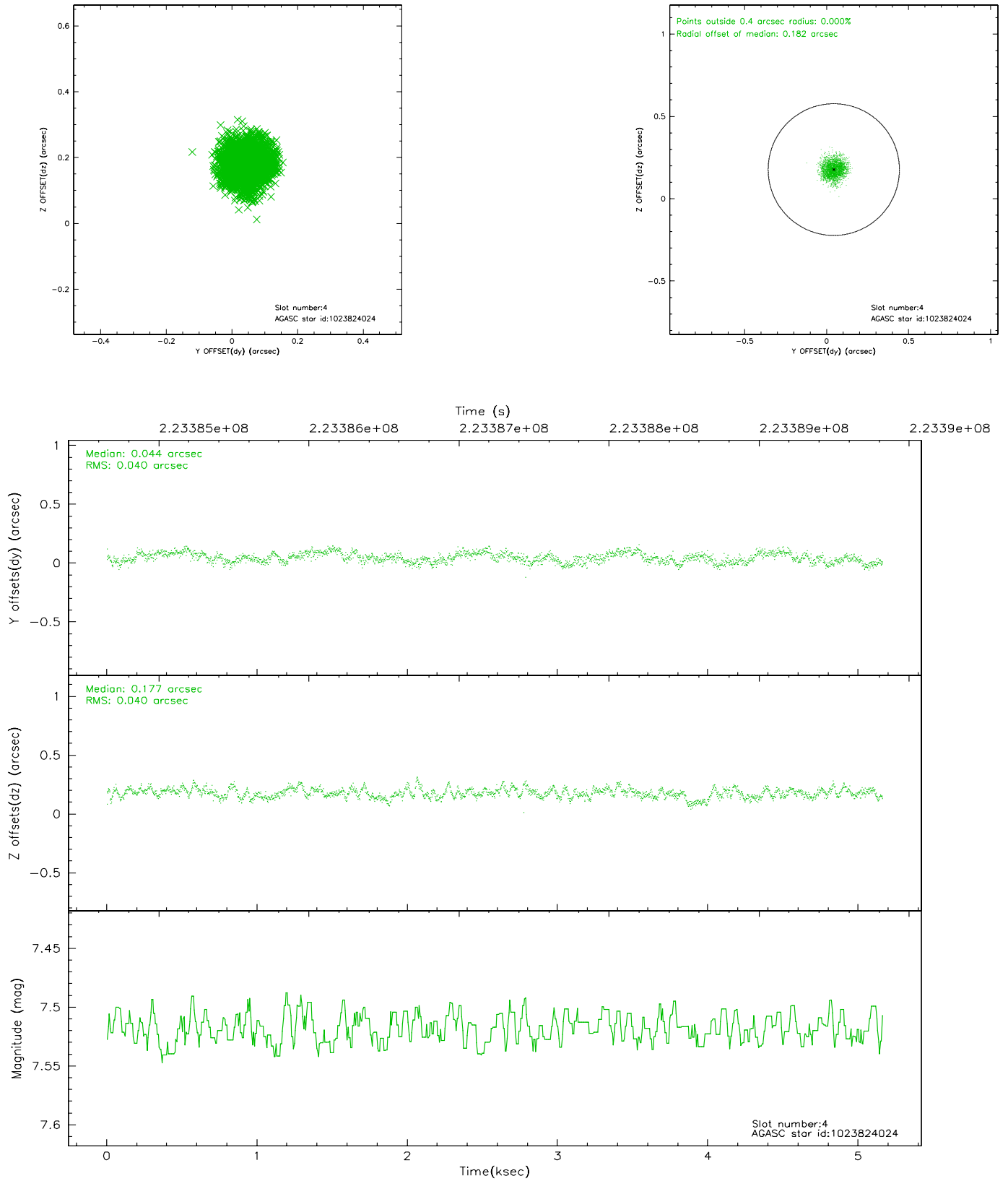


## 2.4 Star Slots

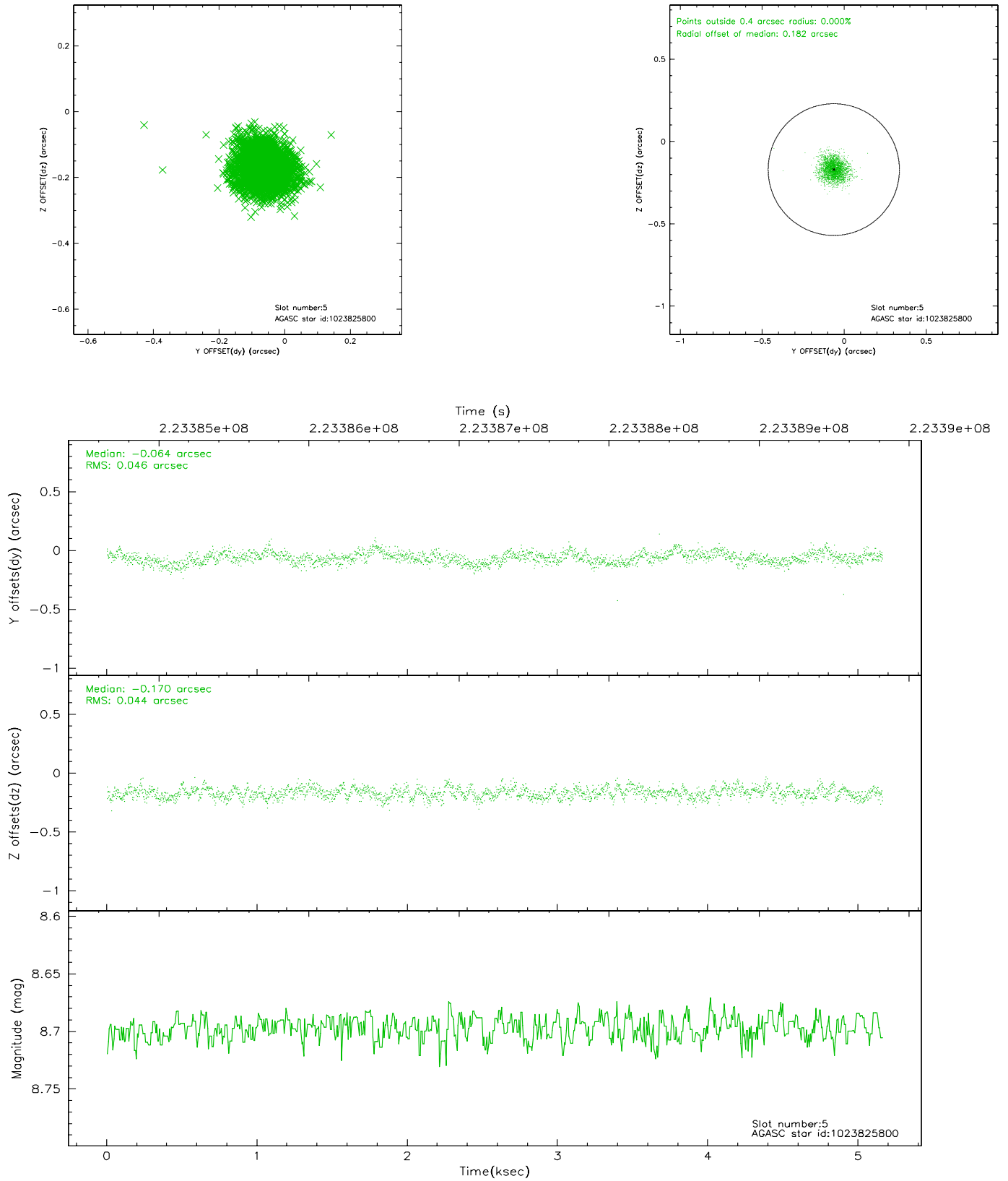
### 2.4.1 Slot 3



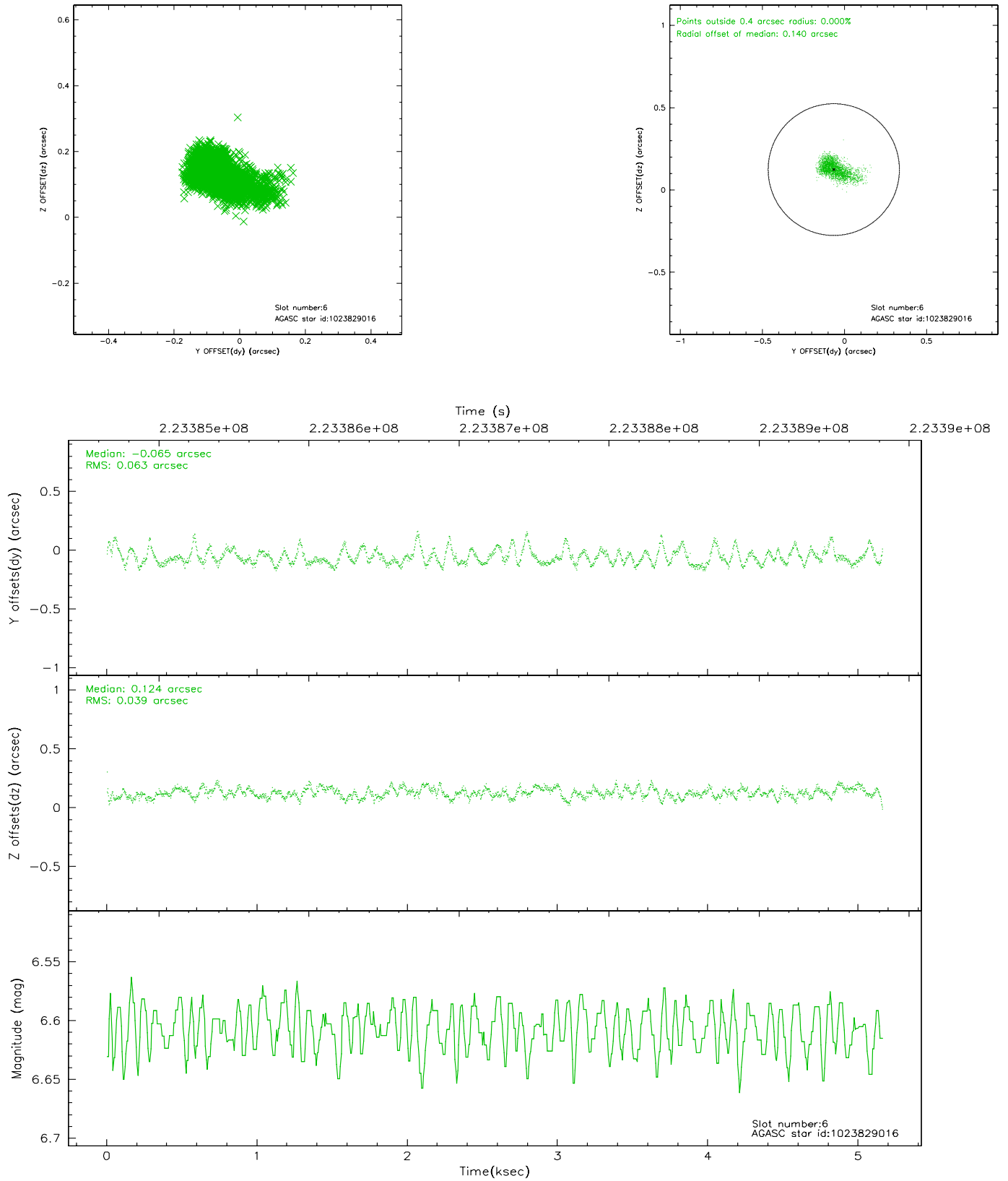
## 2.4.2 Slot 4



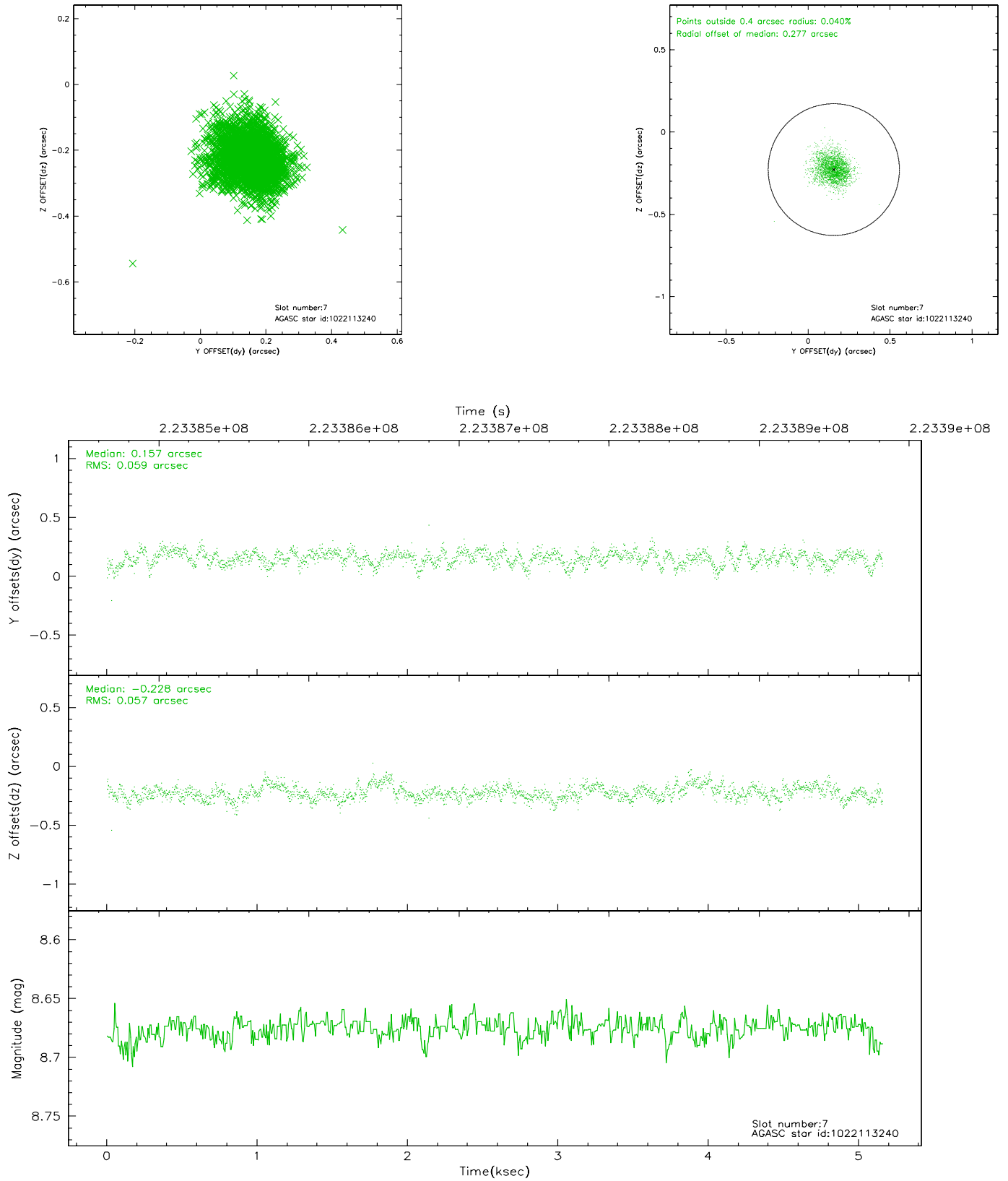
### 2.4.3 Slot 5



## 2.4.4 Slot 6

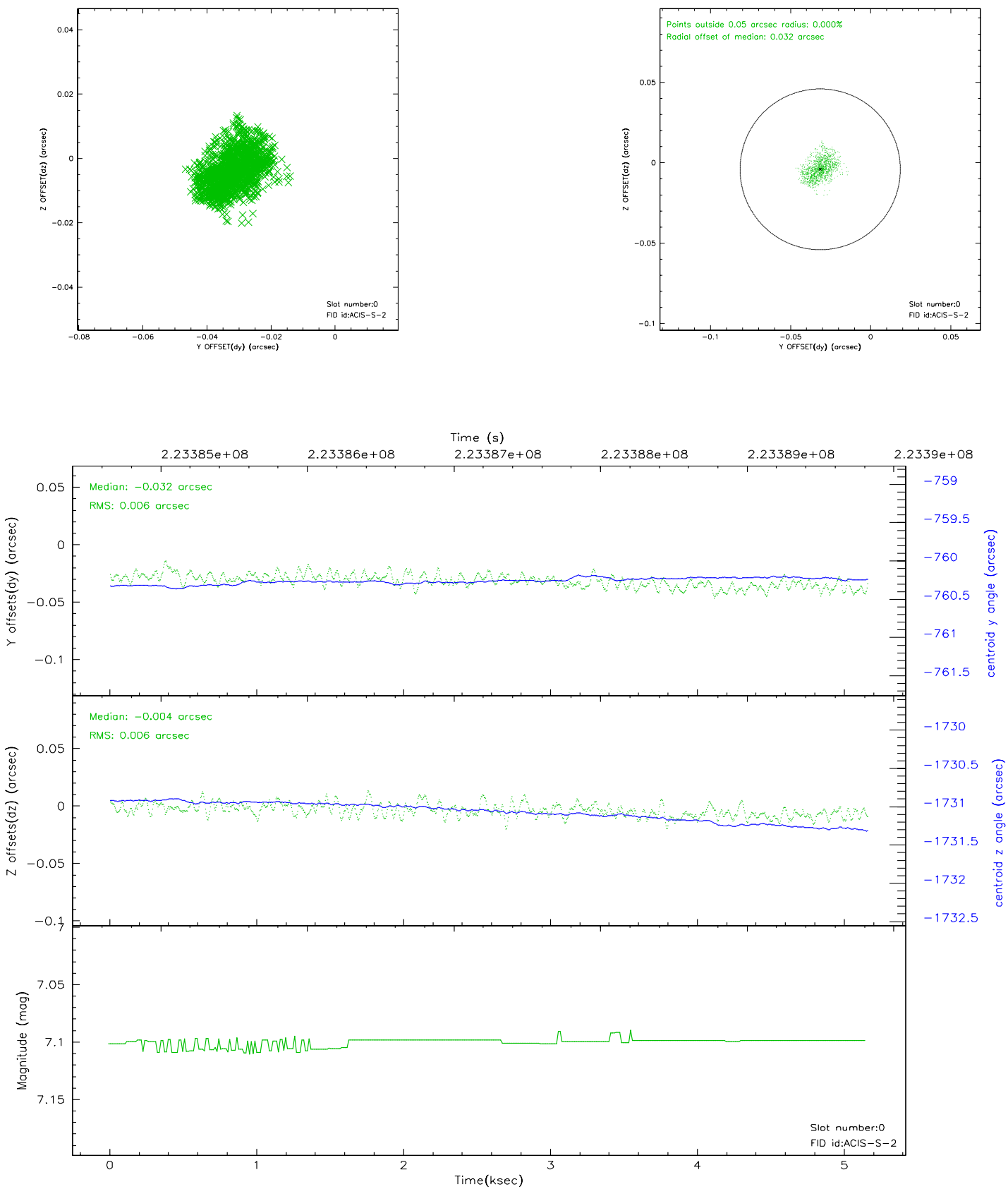


## 2.4.5 Slot 7

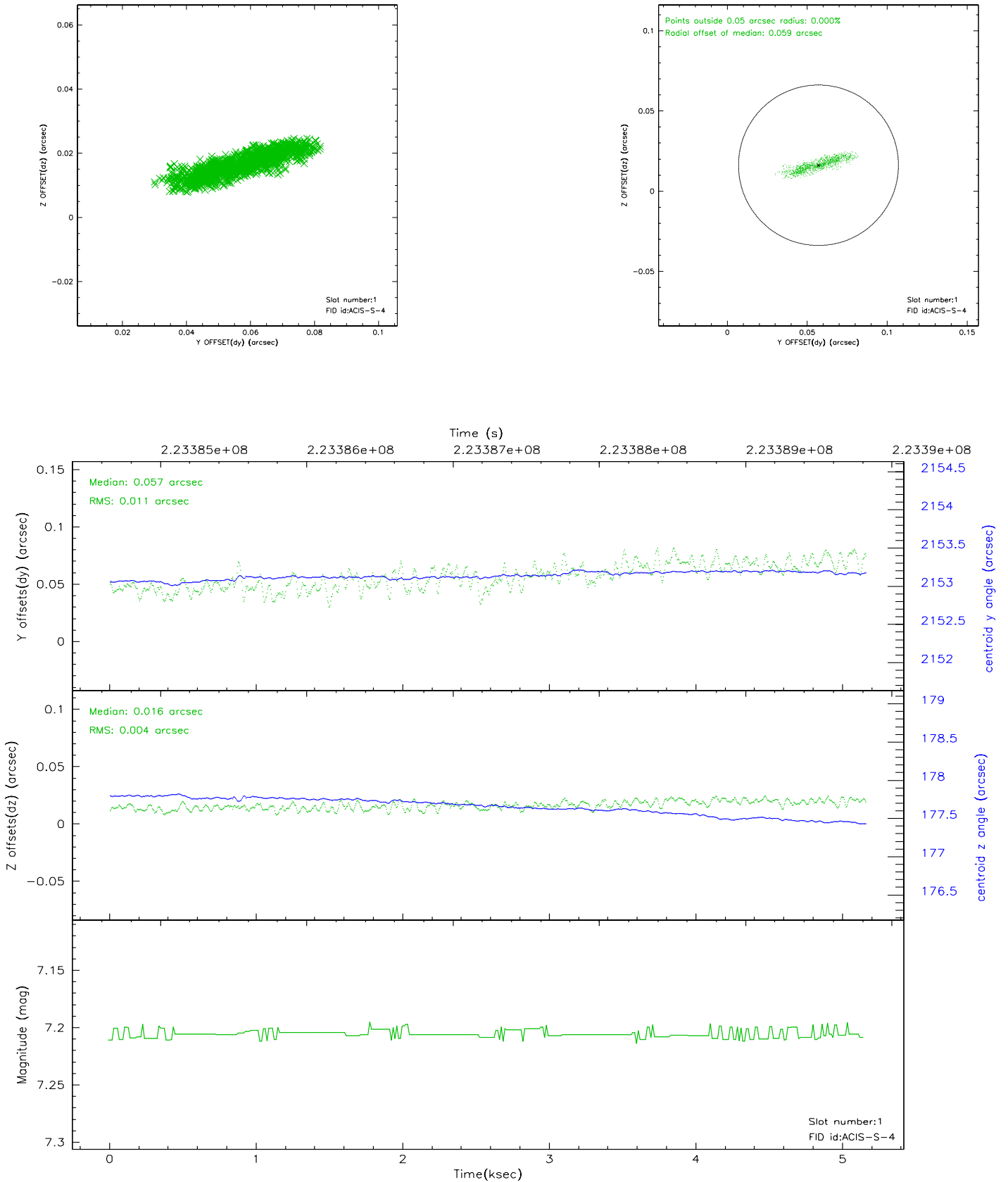


## 2.5 FID Slots

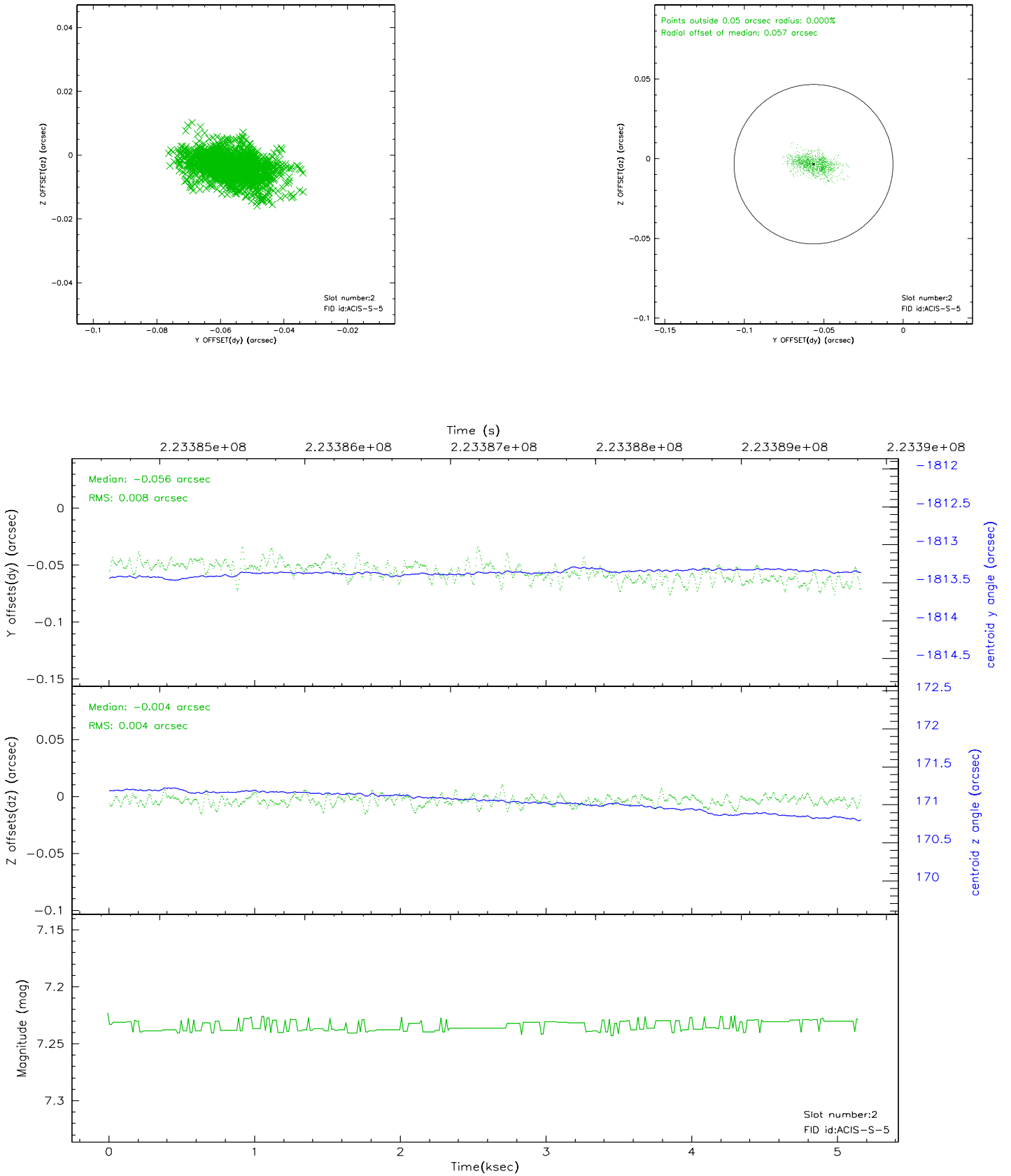
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1588

### A.2 Comments