

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5189 - L2 Version 002  
Chandra X-Ray Center

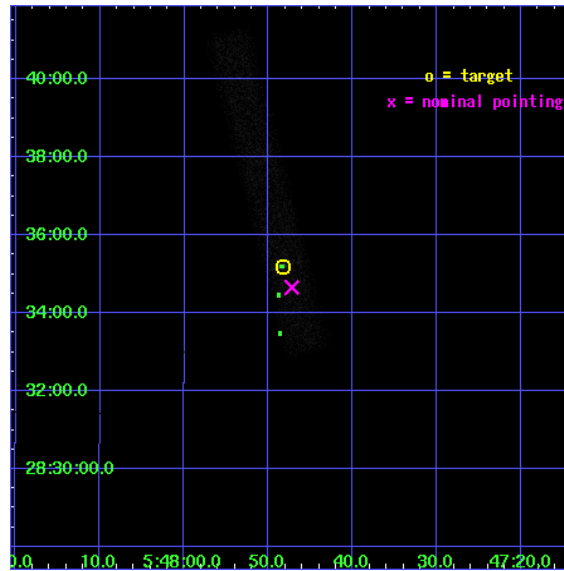
L2 Processing Date : Mar 16 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

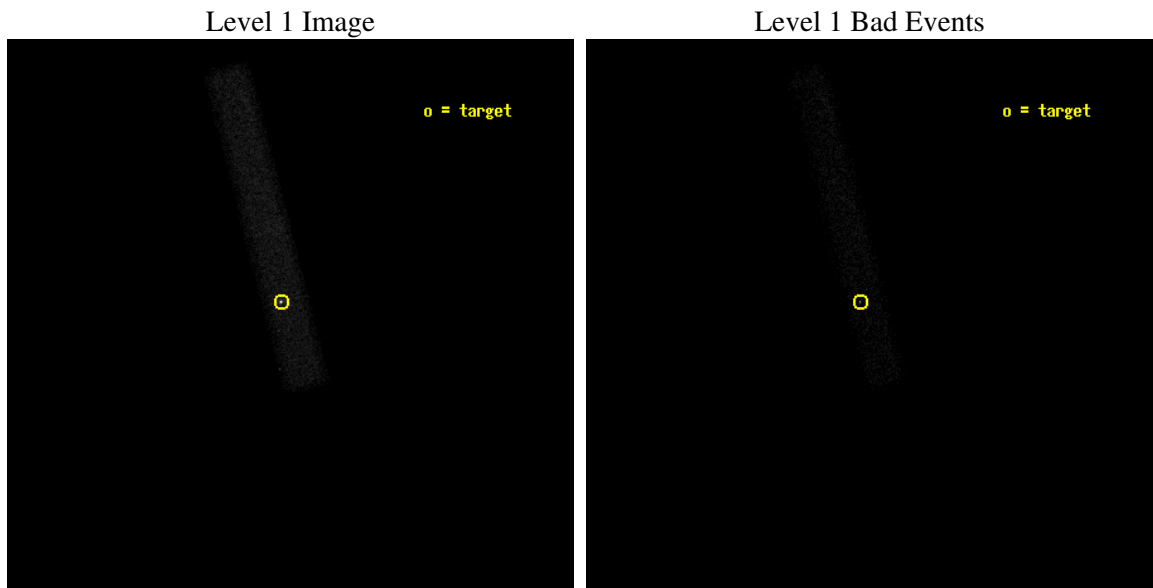
seq_num	300142
obs_id	5189
title	FS Aur - A new class of cataclysmic variables
observer	Dr Gagik Tovmassian
object	FS Aur
dtcycle	0
cycle	P
ra_targ	86.951417
dec_targ	28.586417
ra_nom	86.946861703277
dec_nom	28.577636483037
roll_nom	255.48736588006
revision	2
ontime	25183.200375259
livetime	22839.833462052
ontime7	25183.200375259
l2events	21796



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-16T18:06:23
revision	2

sched_exp_time	25000.000000
ontime	25321.64415136
ontime7	25321.64415136
l1events	39995

### 2.1.4 Events

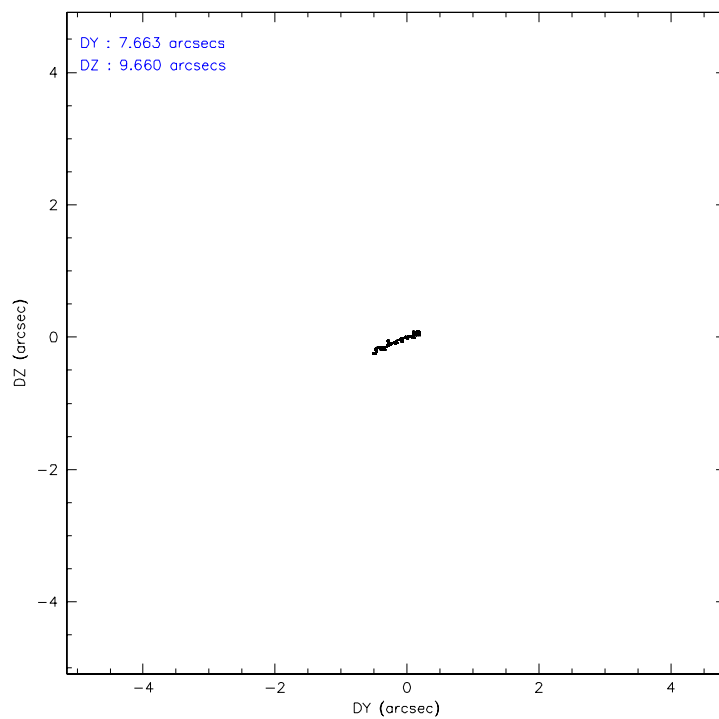
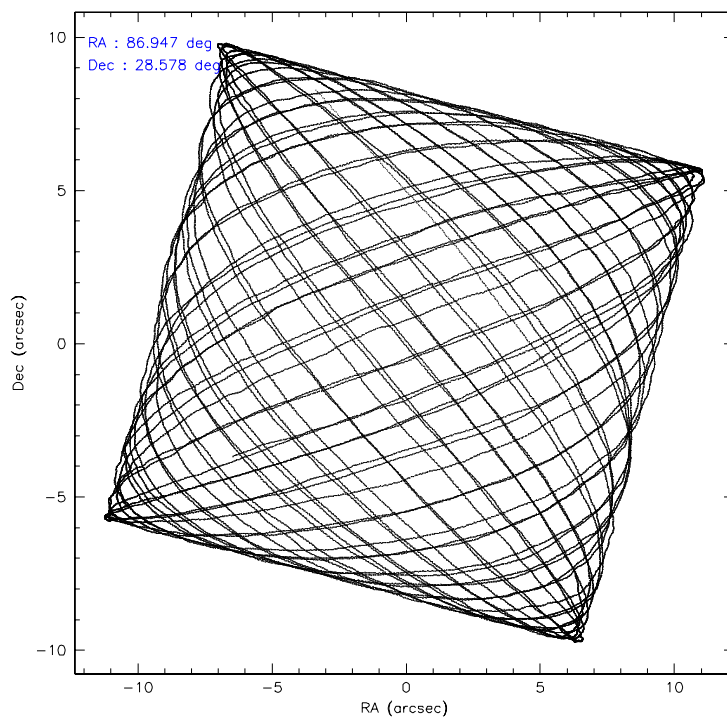
	<b>ccd 7</b>
level 1 events	39995
rejected events	17528
rejected %	43%

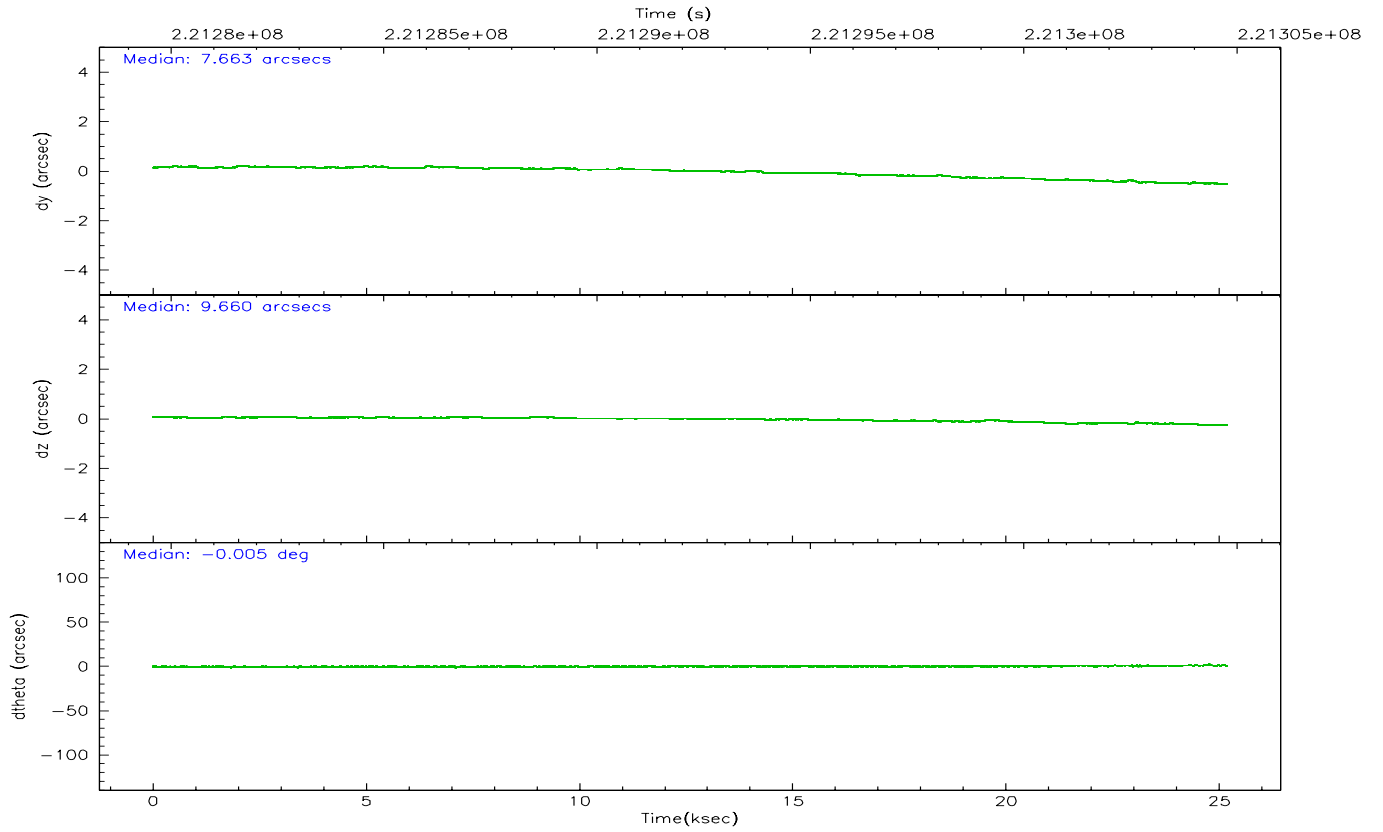
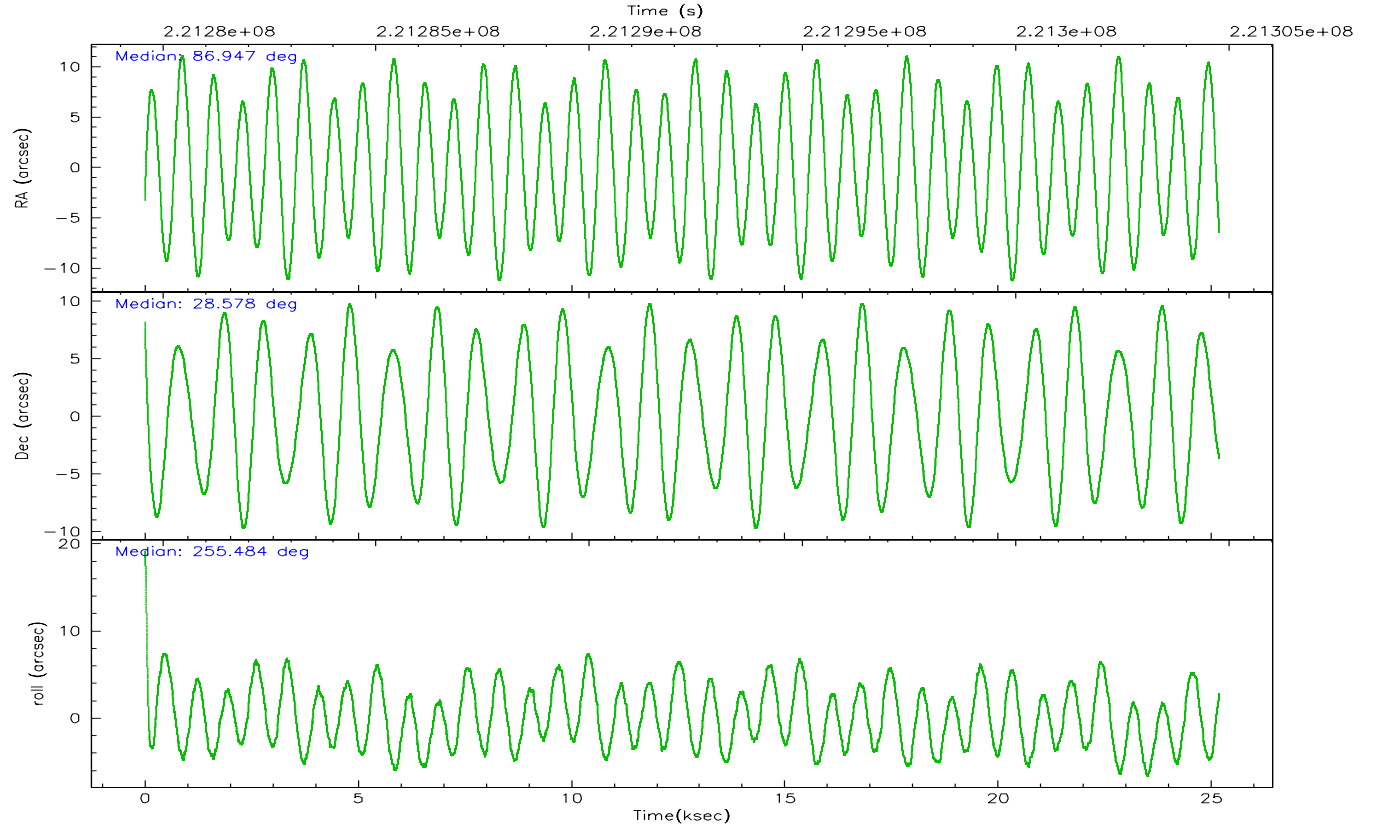
	<b>ccd 7</b>
grade 0 events	3674
	9%
grade 1 events	56
	0%
grade 2 events	5458
	13%
grade 3 events	2502
	6%
grade 4 events	2373
	5%
grade 5 events	2392
	5%
grade 6 events	8573
	21%
grade 7 events	14967
	37%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	86.938151	86.94686170327651	Subarray start row	0	449
Pointing Dec	28.603766	28.57763648303703	Subarray row count	1024	128
Pointing Roll	255.334897	255.4873658800642	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	221279769.184000	221279076.50297			
Observation start date	2005-01-05T02:35:05	2005-01-05T02:24:36			
Observation end time	221304769.184000	221305868.97918			
Observation end date	2005-01-05T09:31:45	2005-01-05T09:51:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect





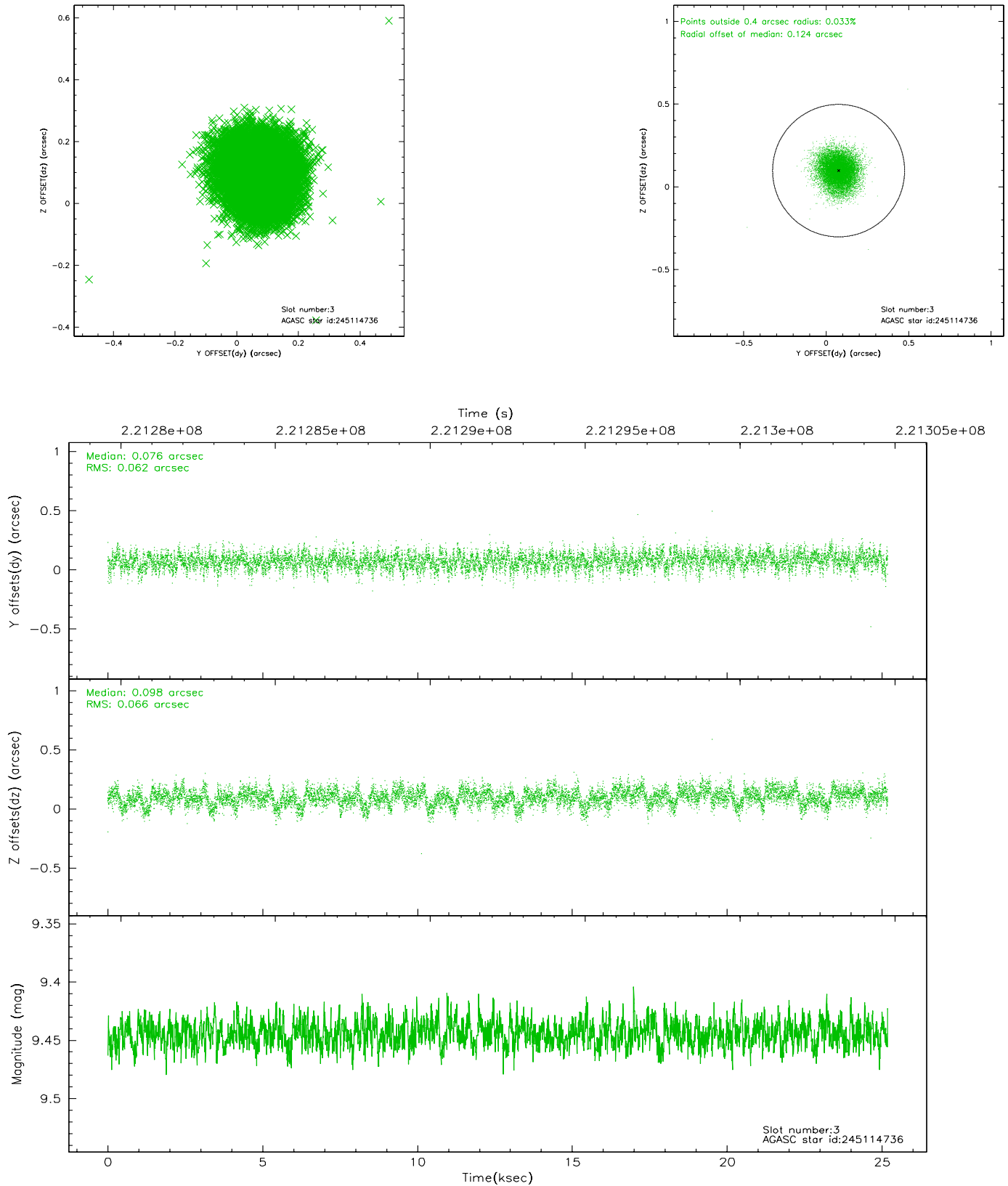
### Slot Statistics

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	6143	-0.028	-0.007	0.014	0.022	0.000000	0.000000	-760.37	-1730.84
1	FID	ACIS-S-4	7.20	6142	0.057	0.015	0.011	0.019	0.000000	0.000000	2152.90	177.61
2	FID	ACIS-S-5	7.23	6143	-0.061	0.002	0.009	0.014	0.000000	0.000000	-1813.13	171.32
3	GUIDE	245114736	9.44	12277	0.076	0.098	0.097	0.156	87.359066	27.978928	1835.34	1863.95
4	GUIDE	245629496	8.45	12283	0.161	-0.010	0.089	0.138	86.245893	28.194524	1975.93	-1753.10
5	GUIDE	245630128	7.43	12285	-0.211	-0.033	0.067	0.113	86.382366	29.298520	-1981.57	-2322.49
6	GUIDE	245632760	9.01	12215	0.026	0.012	0.091	0.144	87.257604	28.347720	634.22	1212.24
7	GUIDE	245636176	8.44	12280	-0.048	-0.062	0.068	0.110	87.223532	29.136111	-2082.02	382.81

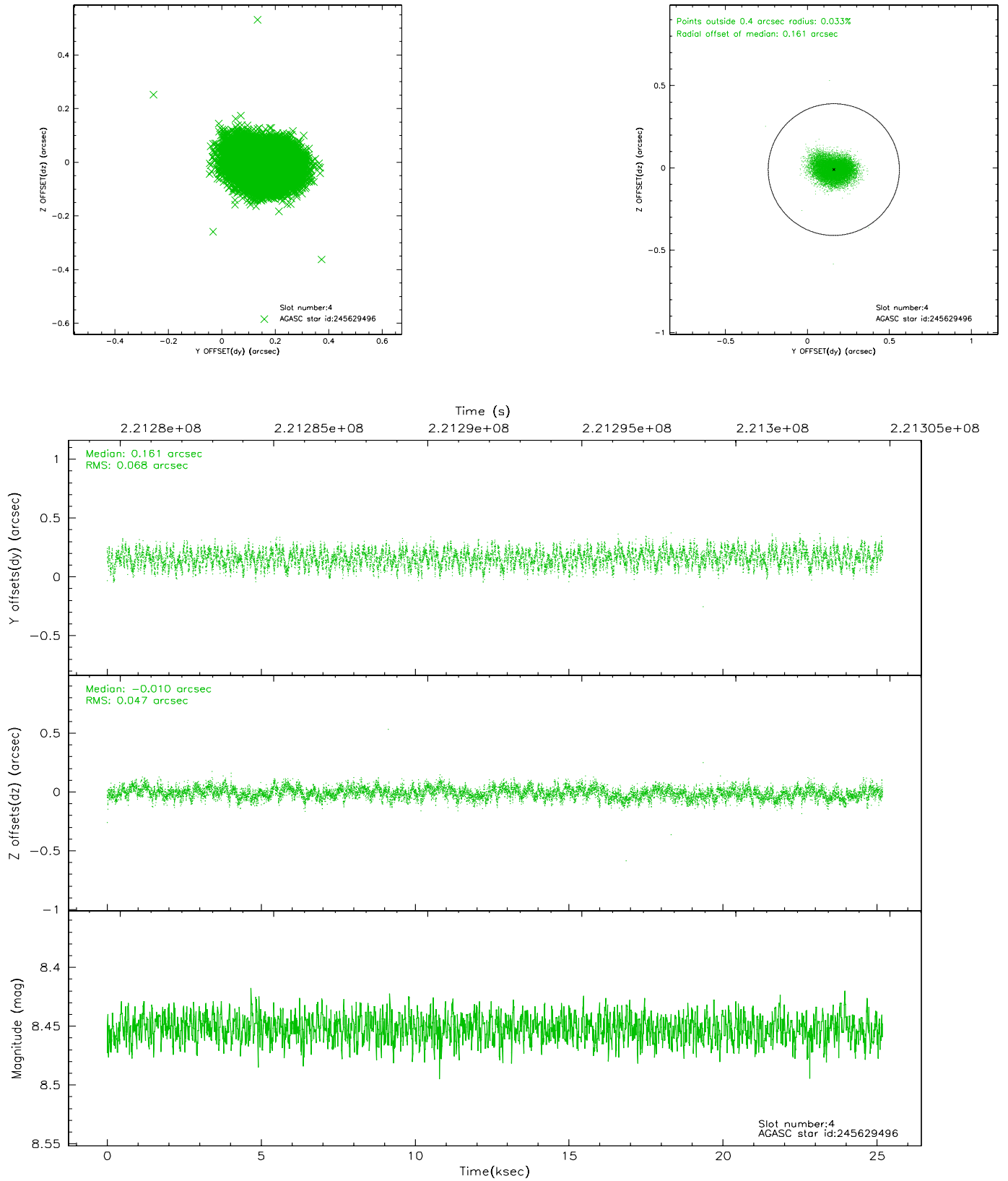


## 2.4 Star Slots

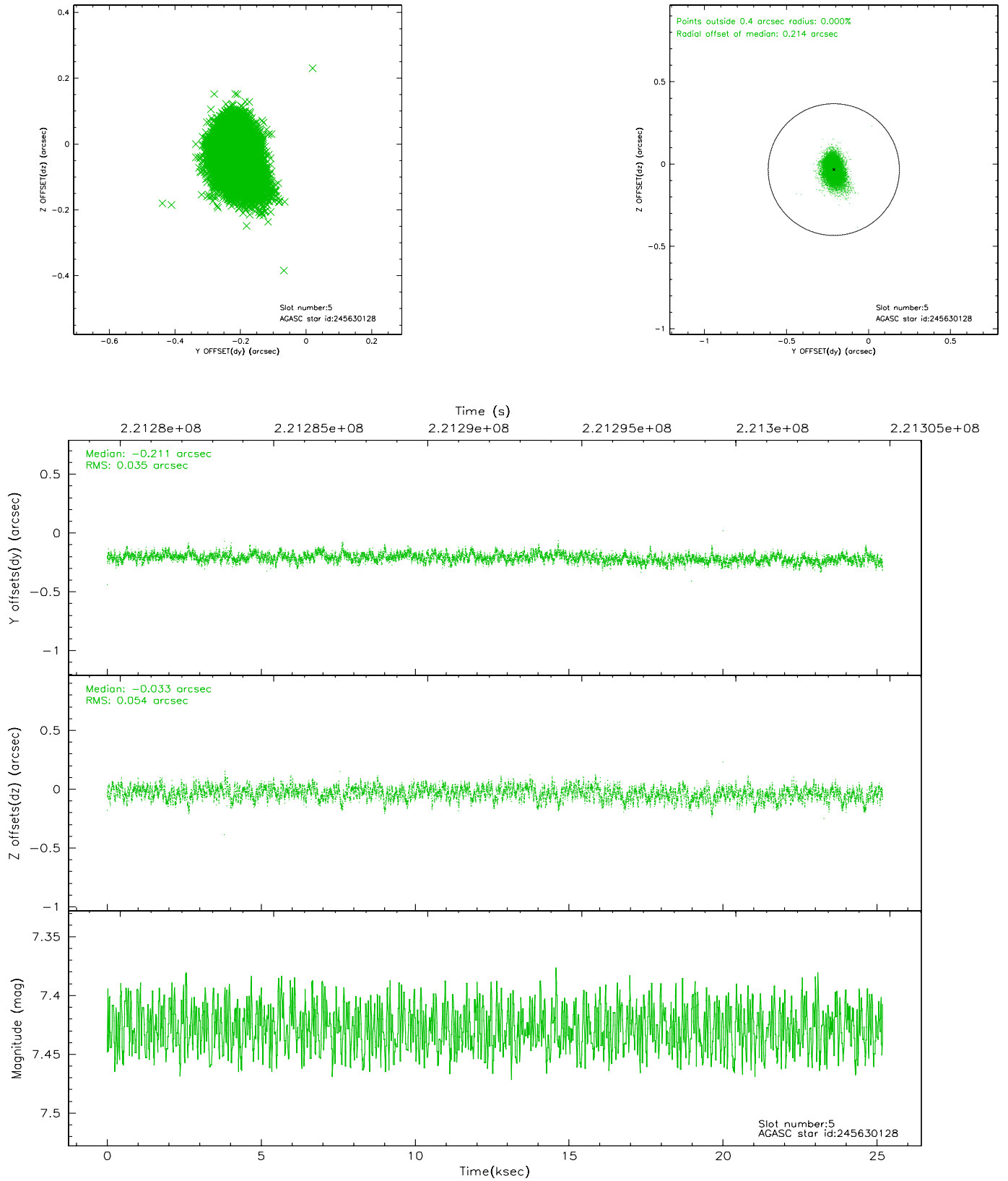
### 2.4.1 Slot 3



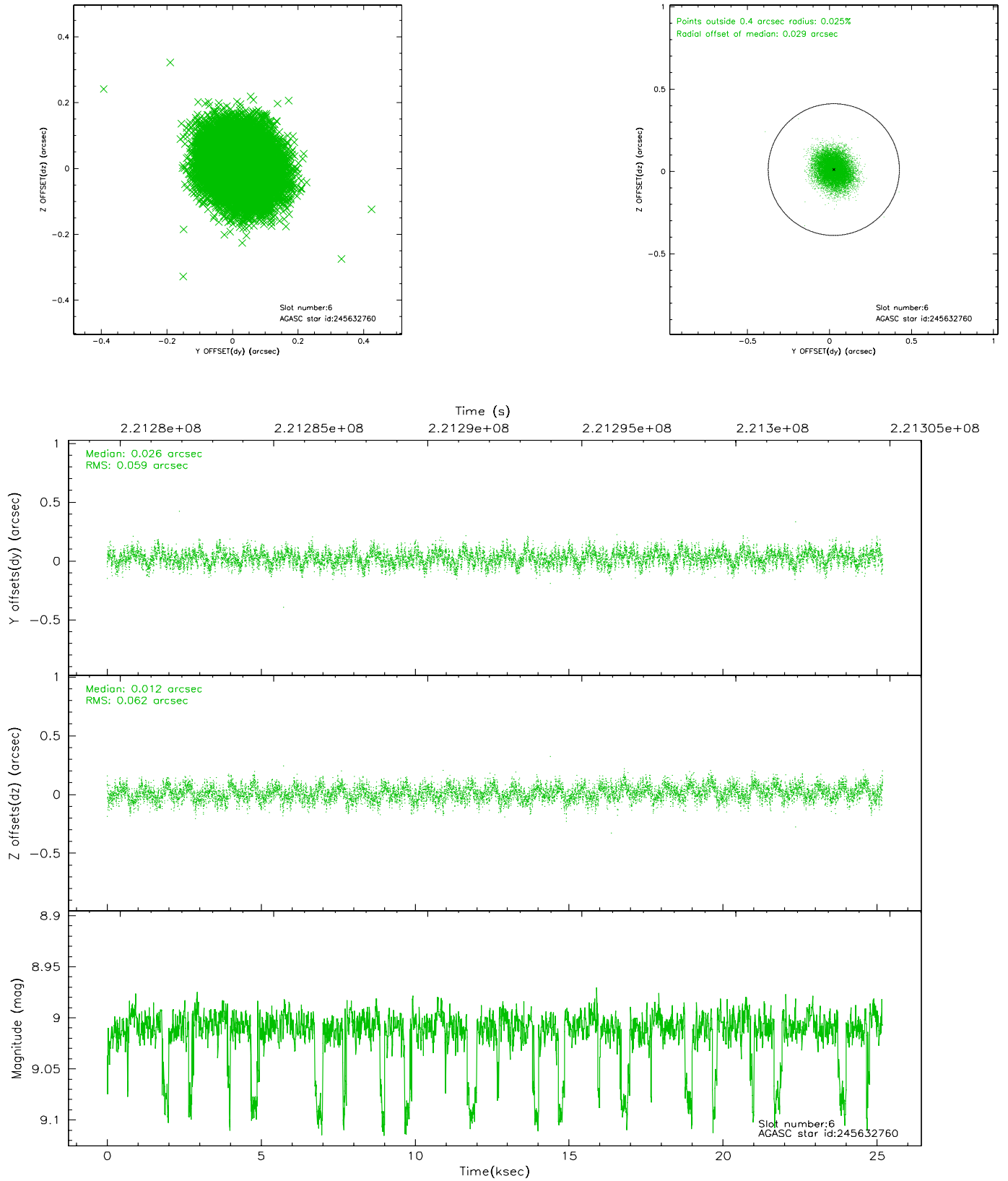
## 2.4.2 Slot 4



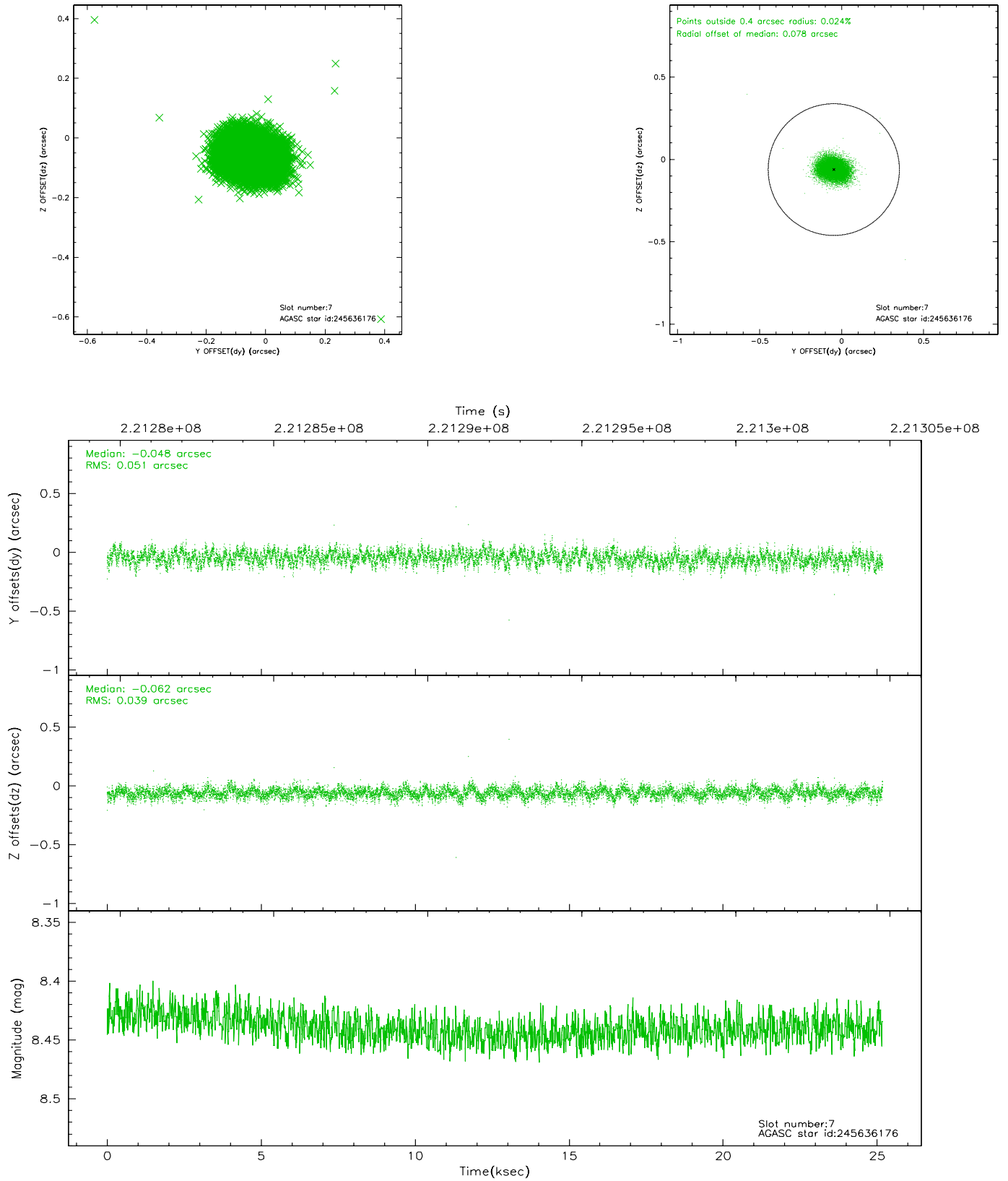
### 2.4.3 Slot 5



## 2.4.4 Slot 6

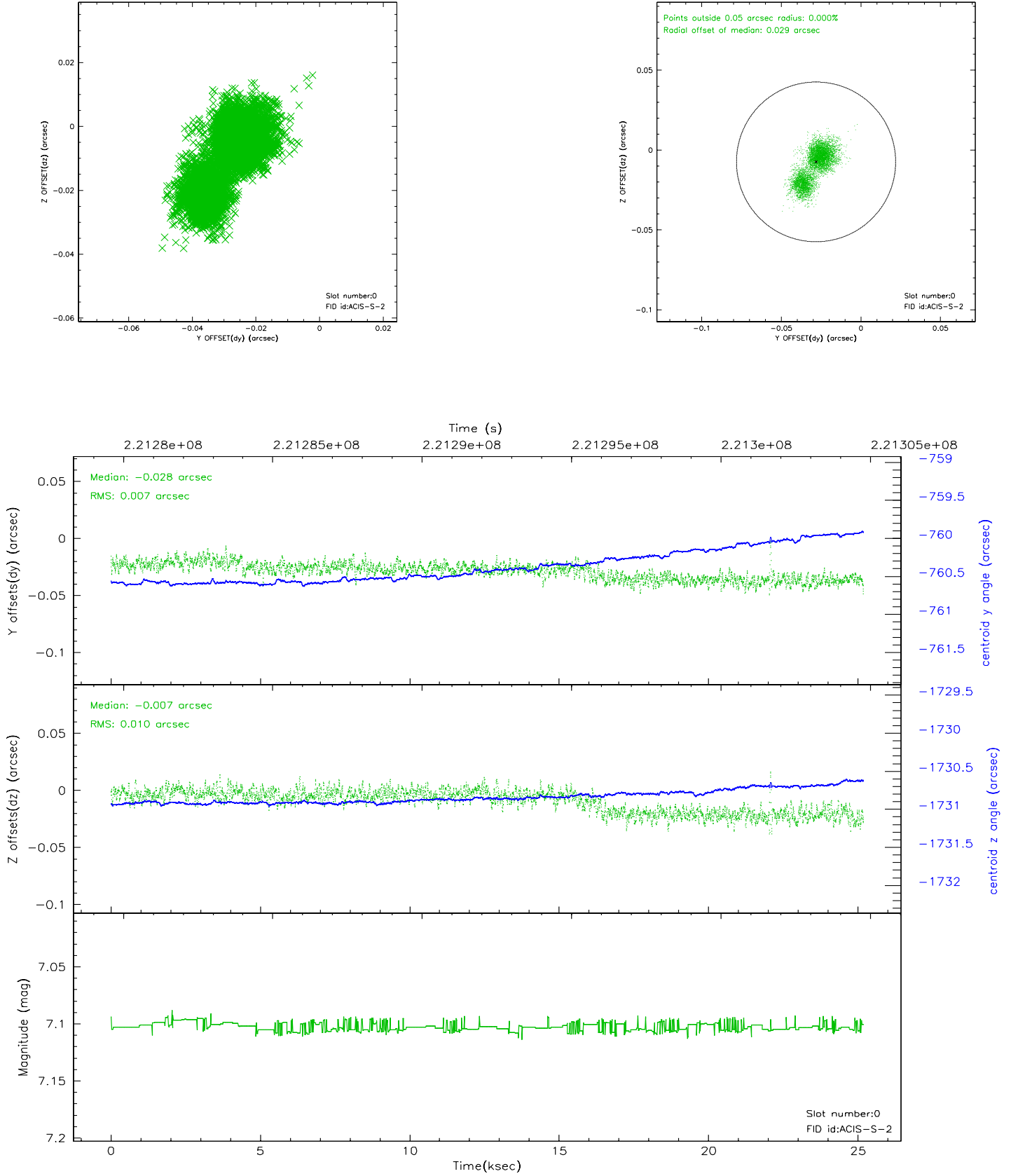


## 2.4.5 Slot 7

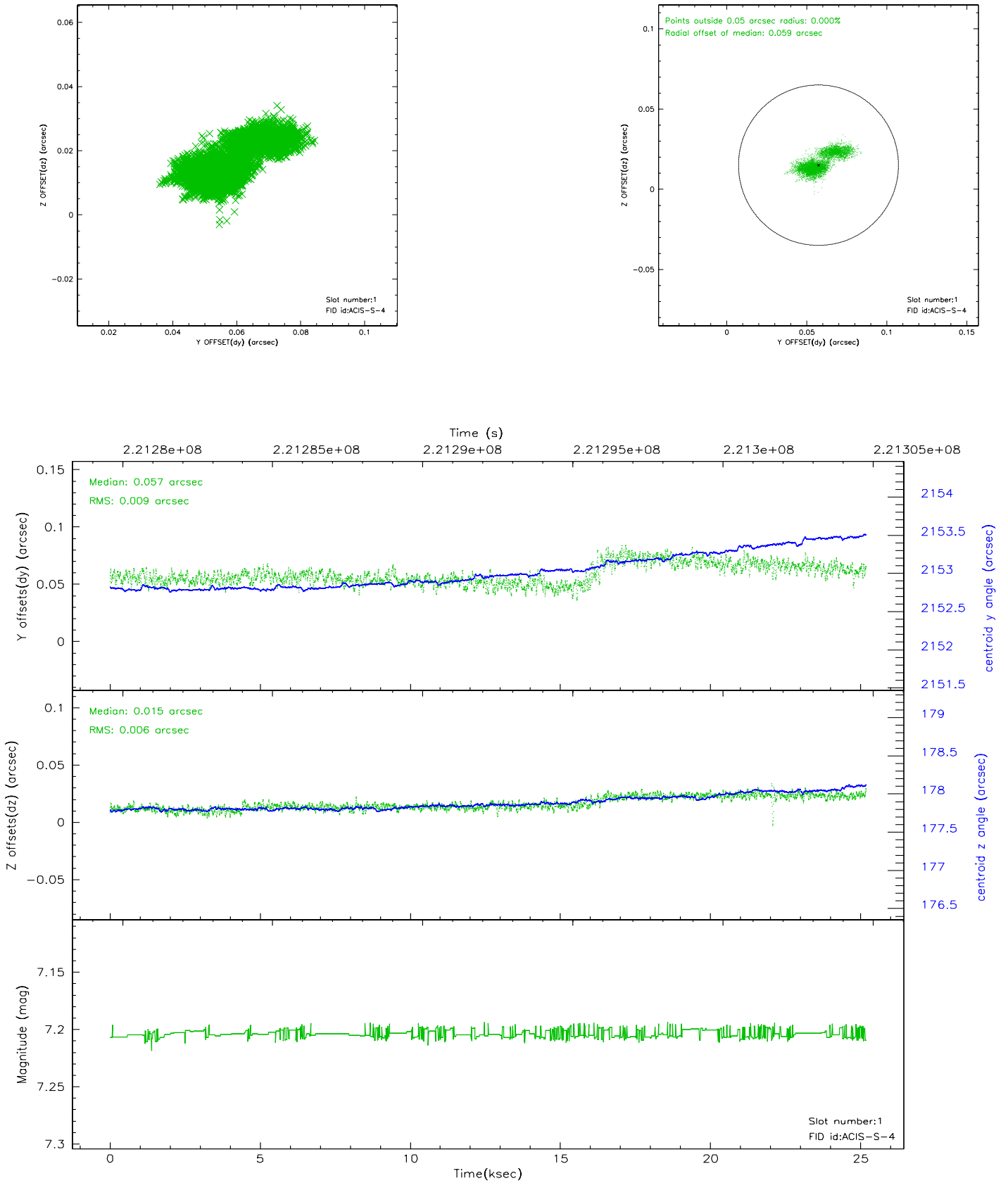


## 2.5 FID Slots

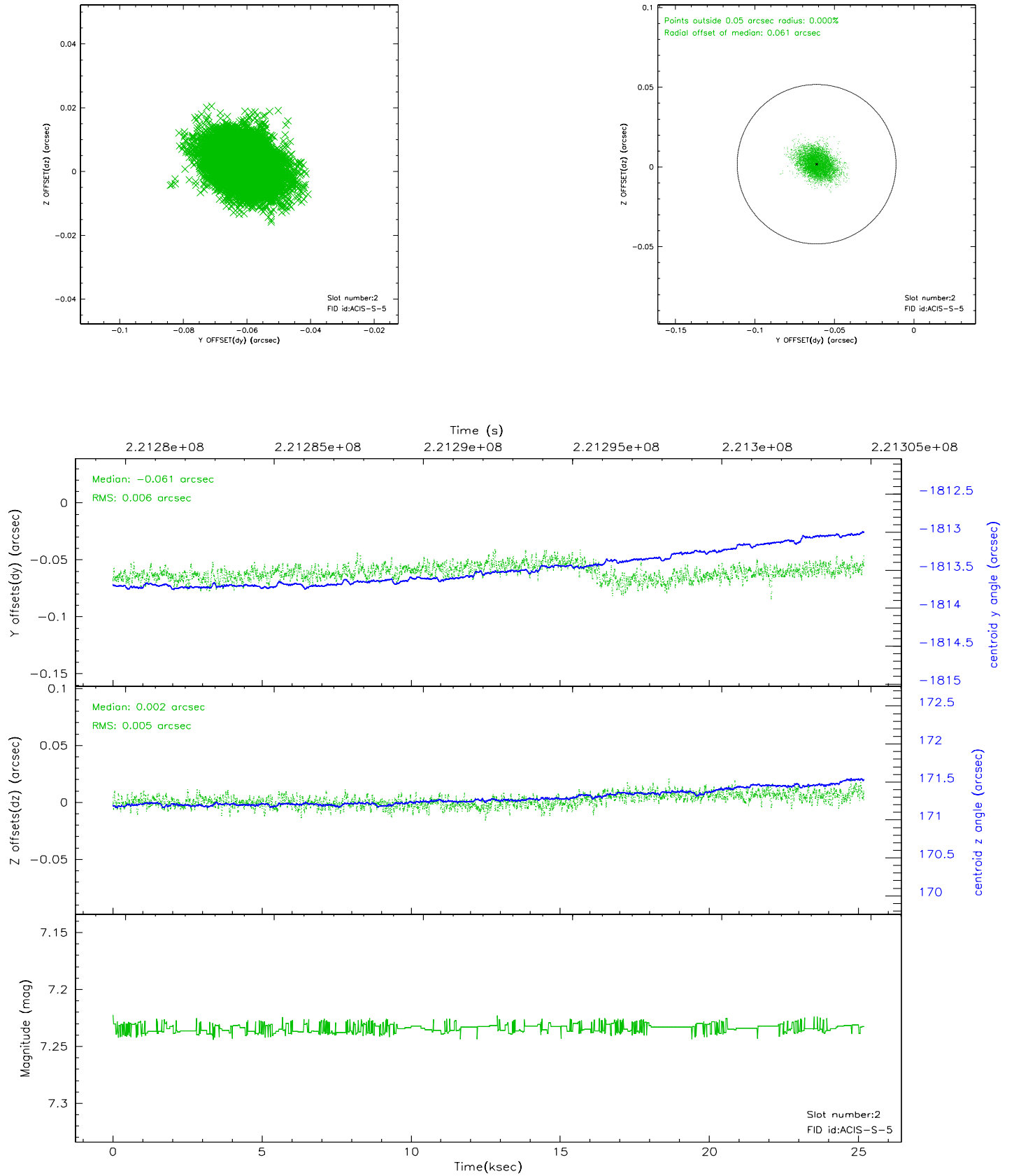
### 2.5.1 Slot 0



## 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)	2006.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1832

### A.2 Comments