

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2160 - L2 Version 001  
Chandra X-Ray Center

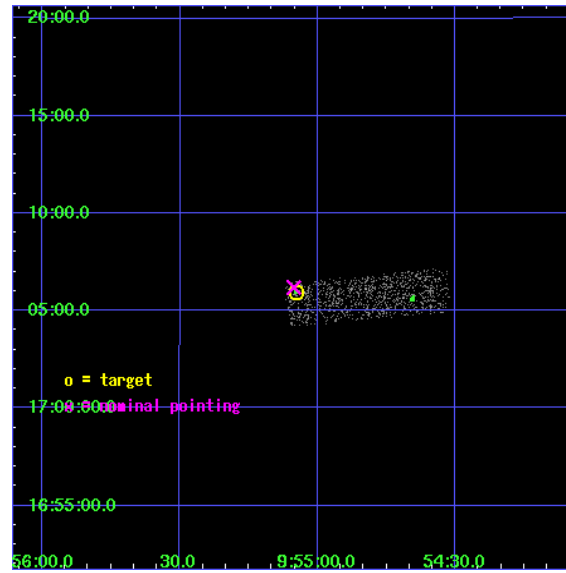
L2 Processing Date : Nov 4 2006

## 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

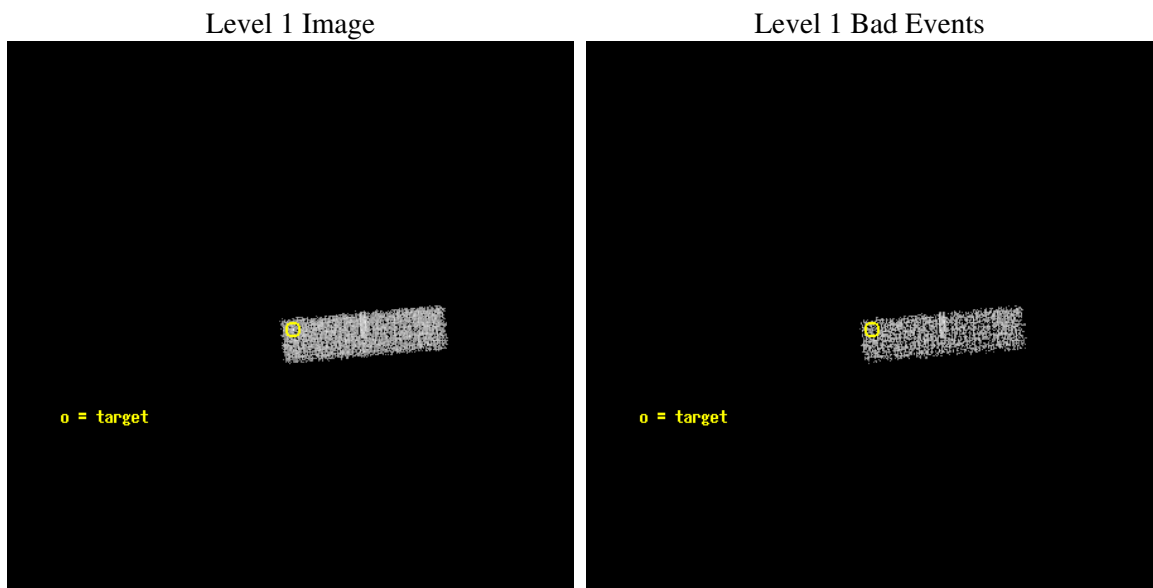
seq_num	700350
obs_id	2160
title	RED QUASARS AND THE X-RAY BACKGROUND
observer	Dr. BELINDA WILKES
object	2MASSJ095504+1705
dtcycle	0
cycle	P
ra_targ	148.769167
dec_targ	17.098917
ra_nom	148.77155322431
dec_nom	17.103231417663
roll_nom	84.955967090794
revision	2
ontime	4131.9999846071
livetime	3930.3719058376
ontime3	4131.9999846071
l2events	1203



## 2 OBI

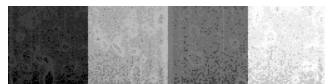
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-04T12:01:04
revision	2

sched_exp_time	4000.000000
ontime	5458.2870400846
ontime3	5458.2870400846
l1events	18943

### 2.1.4 Events

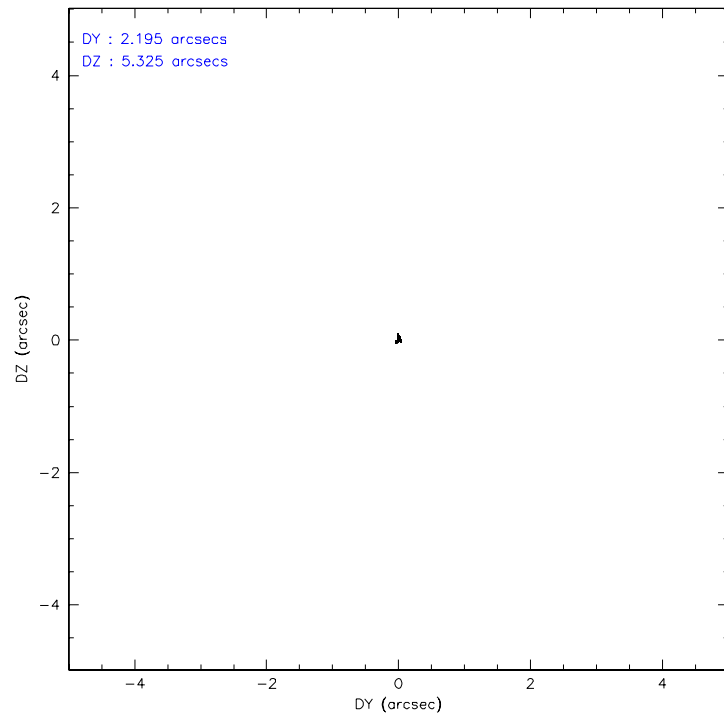
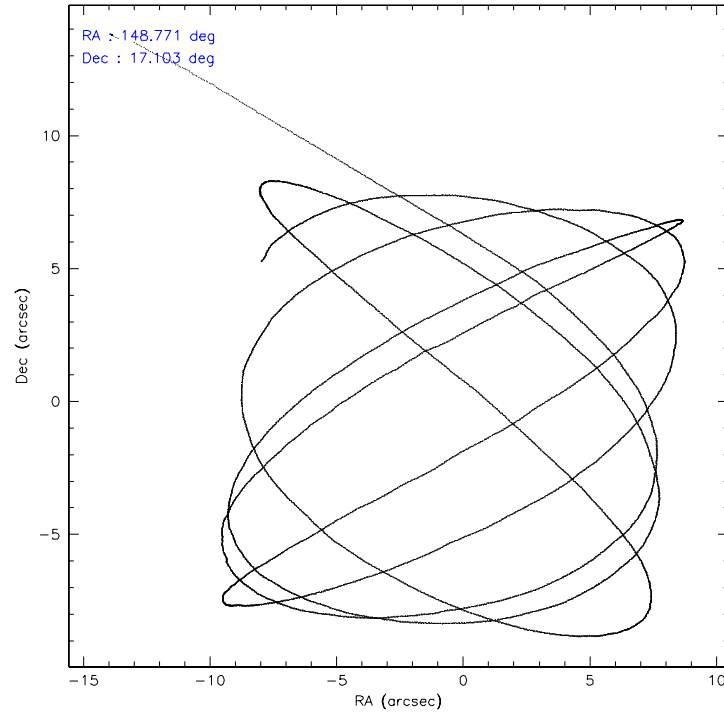
	<b>ccd 3</b>
level 1 events	18943
rejected events	17530
rejected %	92%

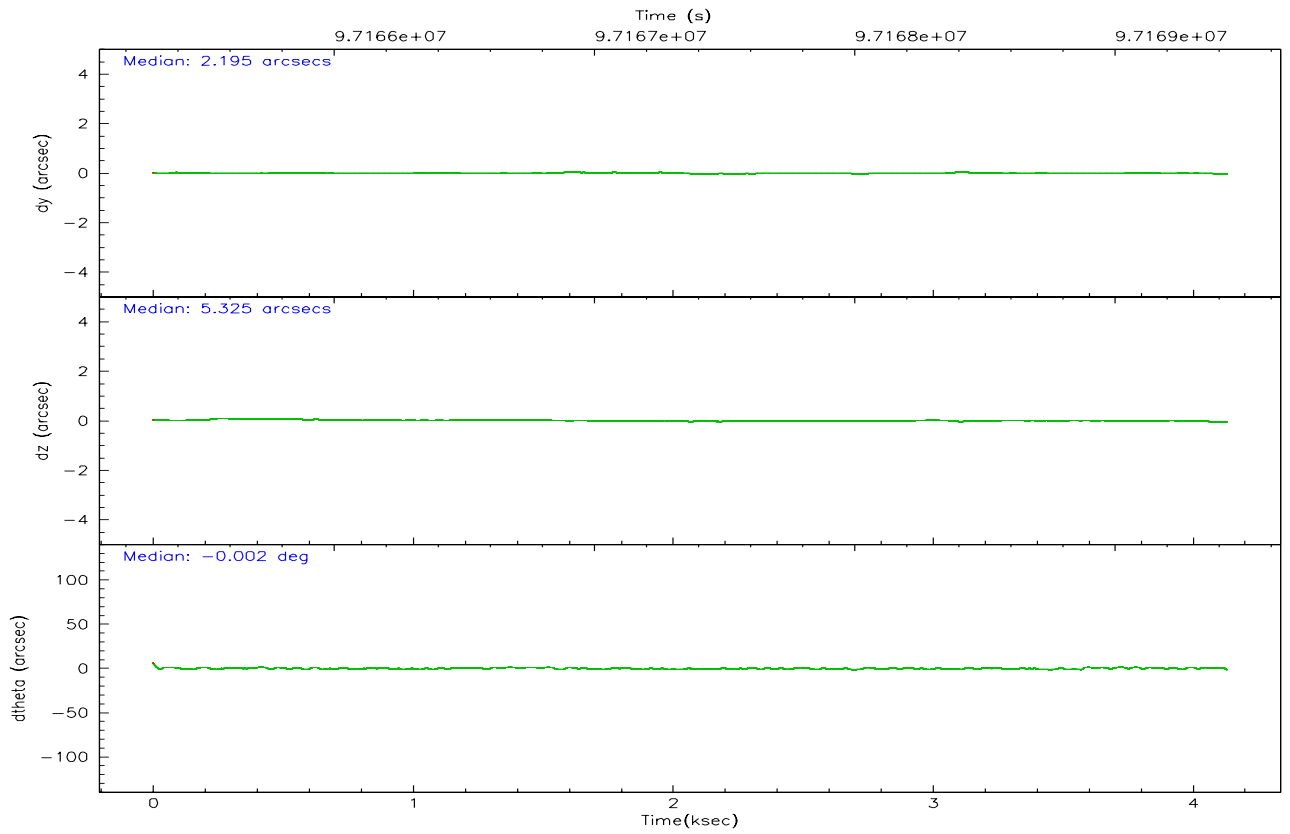
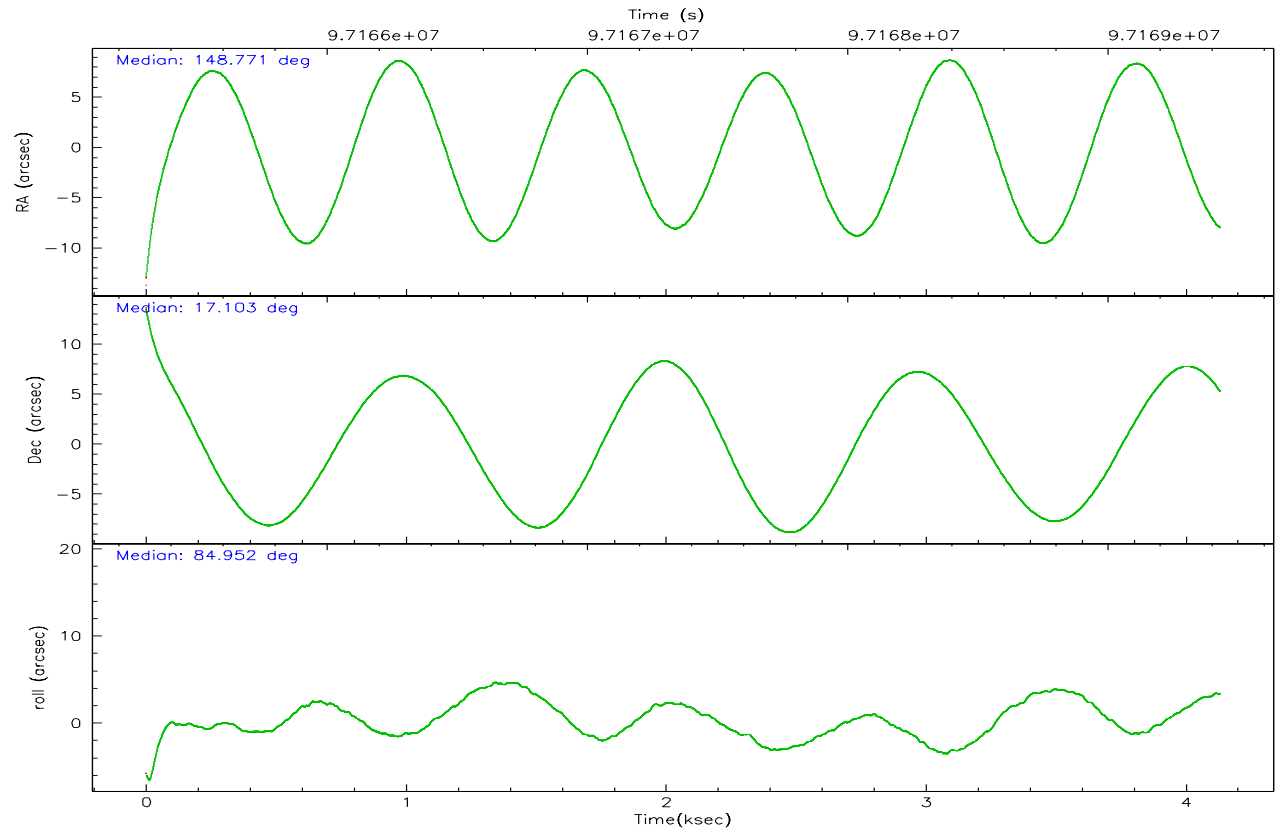
	<b>ccd 3</b>
grade 0 events	612
	3%
grade 1 events	4
	0%
grade 2 events	421
	2%
grade 3 events	200
	1%
grade 4 events	192
	1%
grade 5 events	306
	1%
grade 6 events	420
	2%
grade 7 events	16788
	88%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	148.783636	148.7715532243139	Subarray requested	1/4	1/4
Pointing Dec	17.078227	17.10323141766276	Subarray start row	0	769
Pointing Roll	84.743746	84.95596709079423	Subarray row count	1024	256
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001439871863259334	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	97165435.184000	97163977.908611			
Observation start date	2001-01-29T14:22:51	2001-01-29T13:59:37			
Observation end time	97169435.184000	97170425.67136			
Observation end date	2001-01-29T15:29:31	2001-01-29T15:47:05			
Read mode	TIMED	TIMED			

## 2.3 Aspect





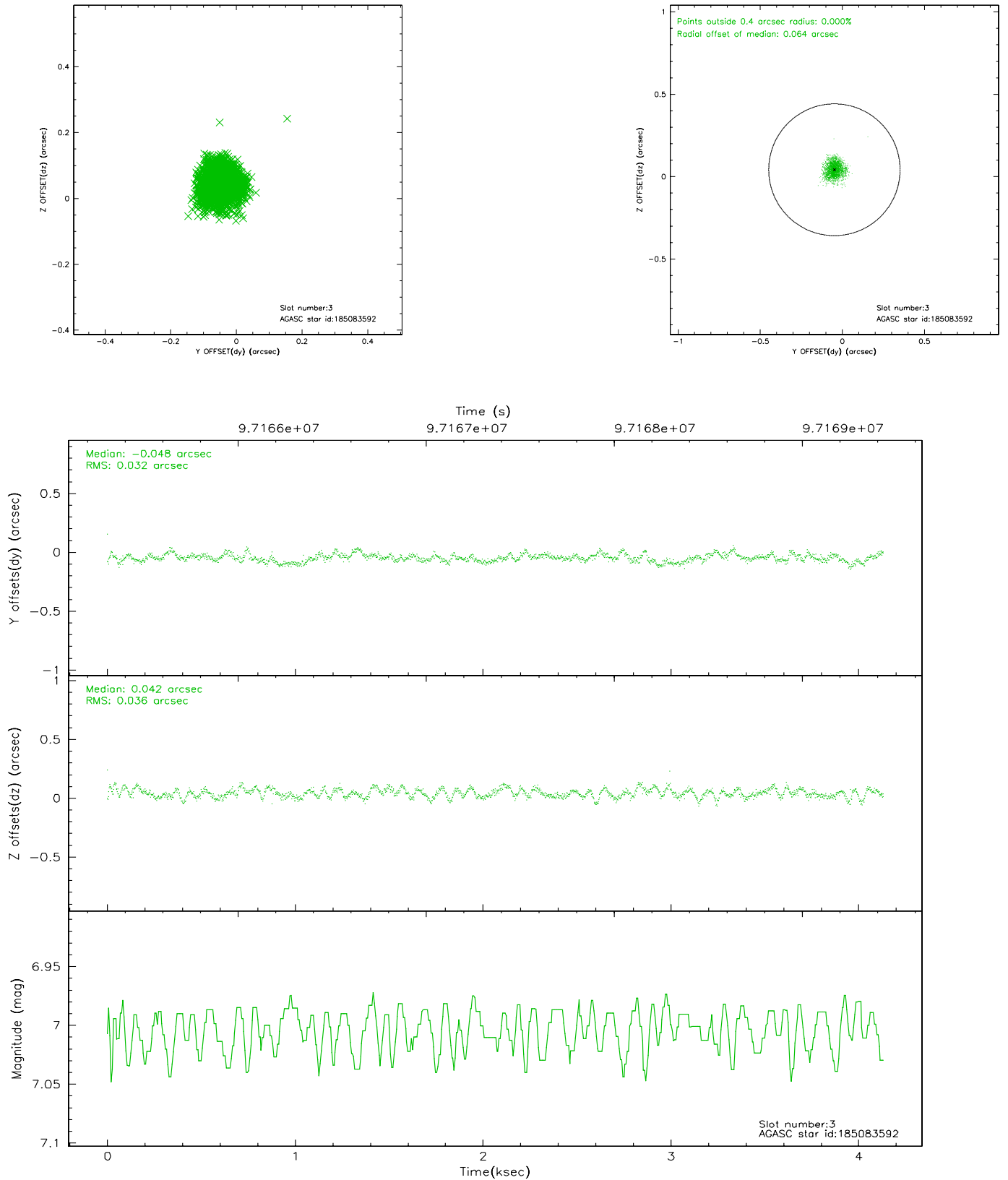
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1009	-0.009	-0.011	0.009	0.015	0.000000	0.000000	-756.56	-835.06
1	FID	ACIS-I-4	7.18	1008	-0.082	0.019	0.005	0.010	0.000000	0.000000	2156.75	1070.39
2	FID	ACIS-I-5	7.23	1009	-0.010	0.061	0.009	0.014	0.000000	0.000000	-1808.45	1070.00
3	GUIDE	185083592	7.00	2017	-0.048	0.042	0.052	0.080	149.390481	16.459076	-2023.94	-2290.79
4	GUIDE	185339440	8.60	2017	0.074	0.072	0.060	0.098	148.983258	17.541515	1723.48	-530.85
5	GUIDE	184945256	8.85	2017	0.012	-0.028	0.064	0.109	148.379093	16.950394	-583.23	1344.48
6	GUIDE	184943544	8.91	2017	0.013	-0.075	0.070	0.119	148.569156	17.169263	259.34	764.93
7	GUIDE	185342864	9.38	2014	-0.052	-0.012	0.079	0.125	148.362201	17.656961	1944.27	1630.81

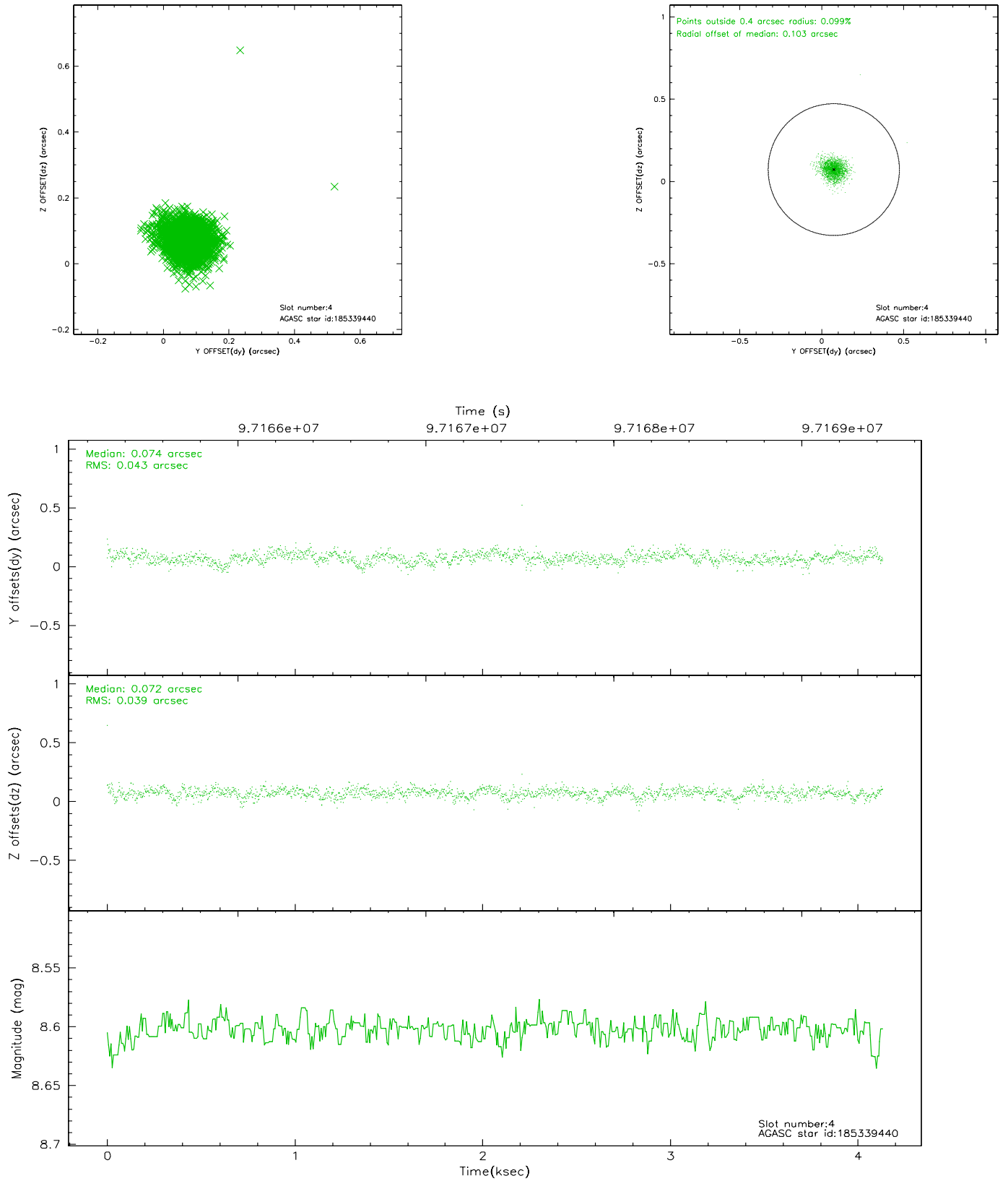


## 2.4 Star Slots

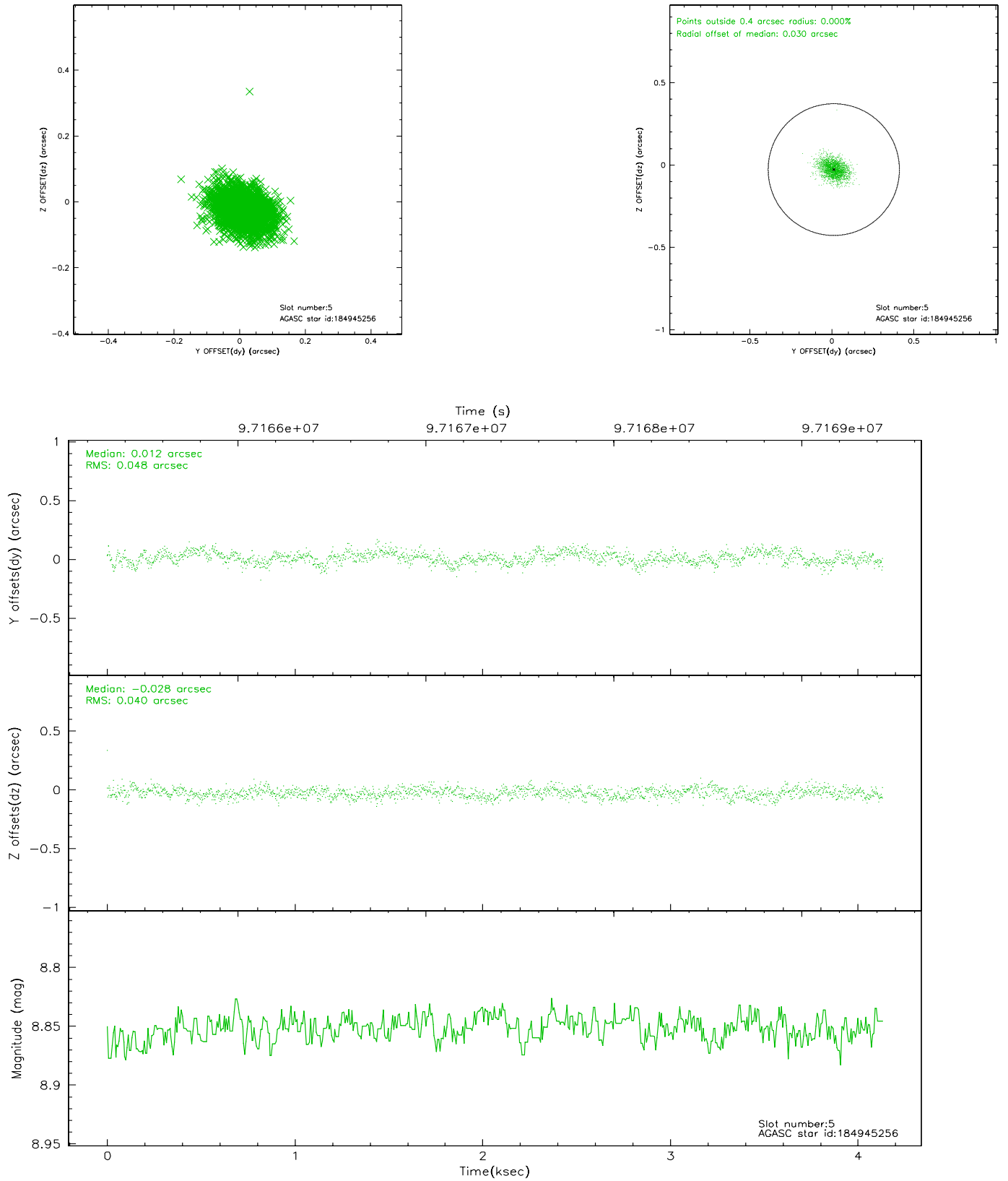
### 2.4.1 Slot 3



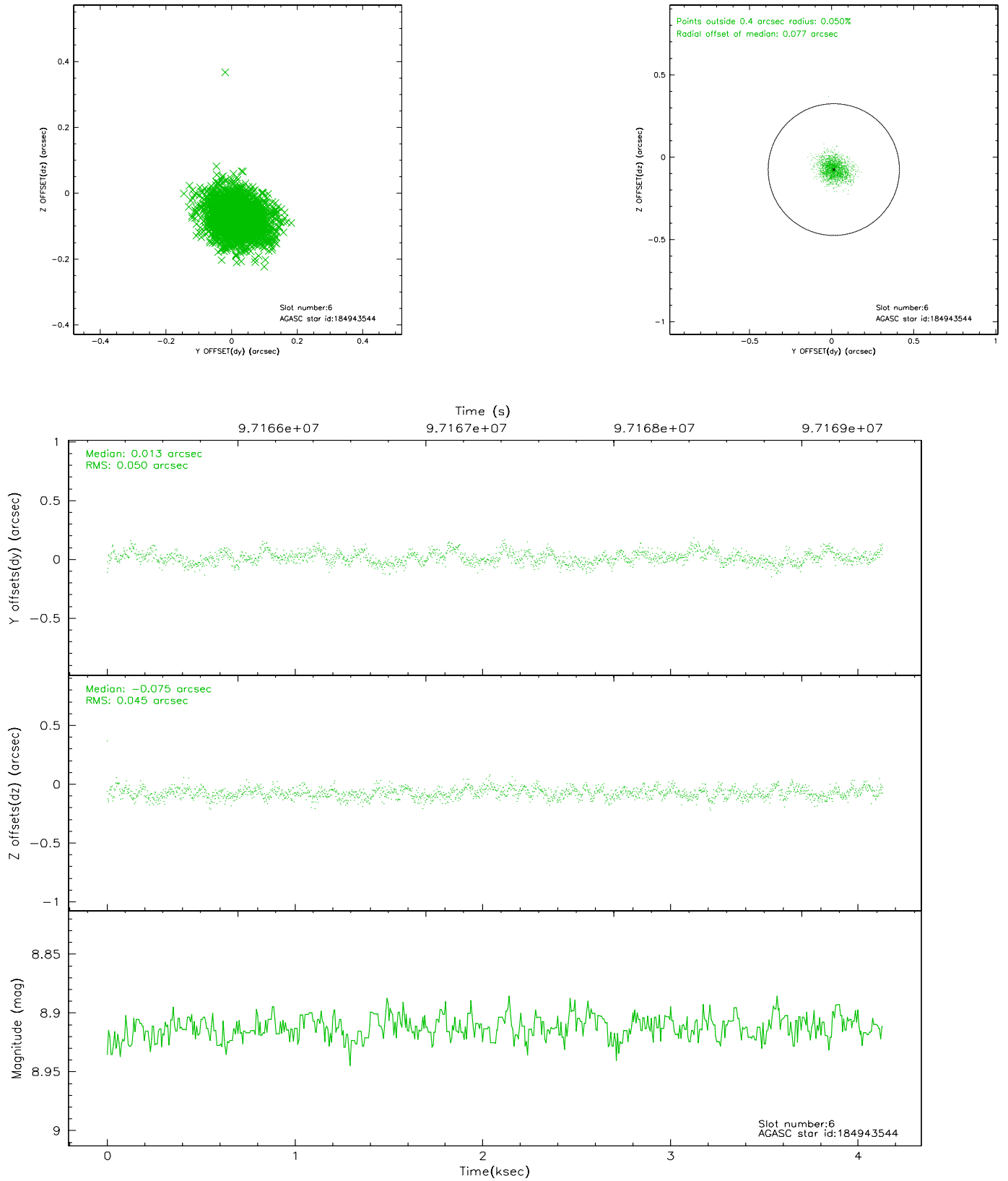
## 2.4.2 Slot 4



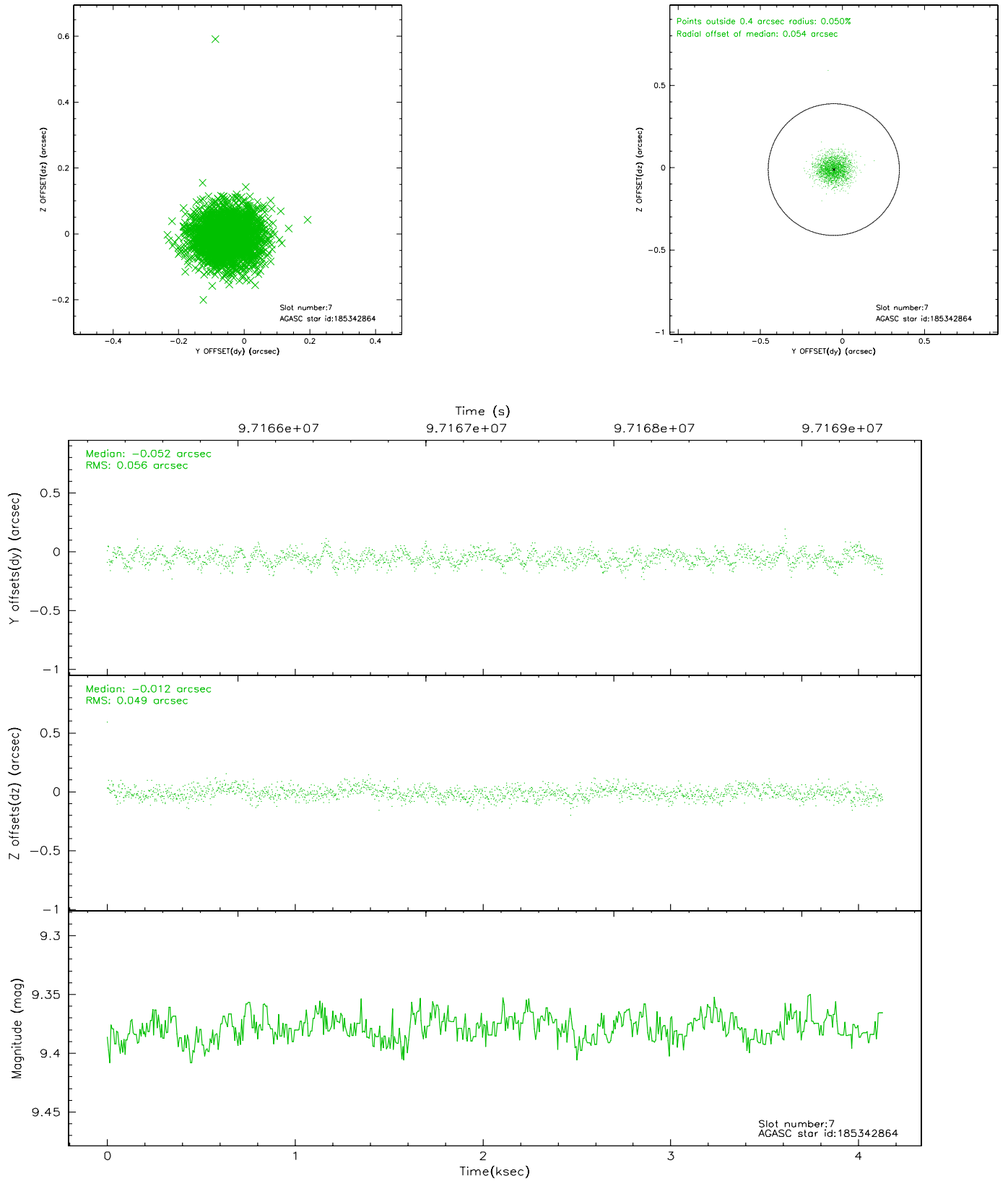
### 2.4.3 Slot 5



## 2.4.4 Slot 6

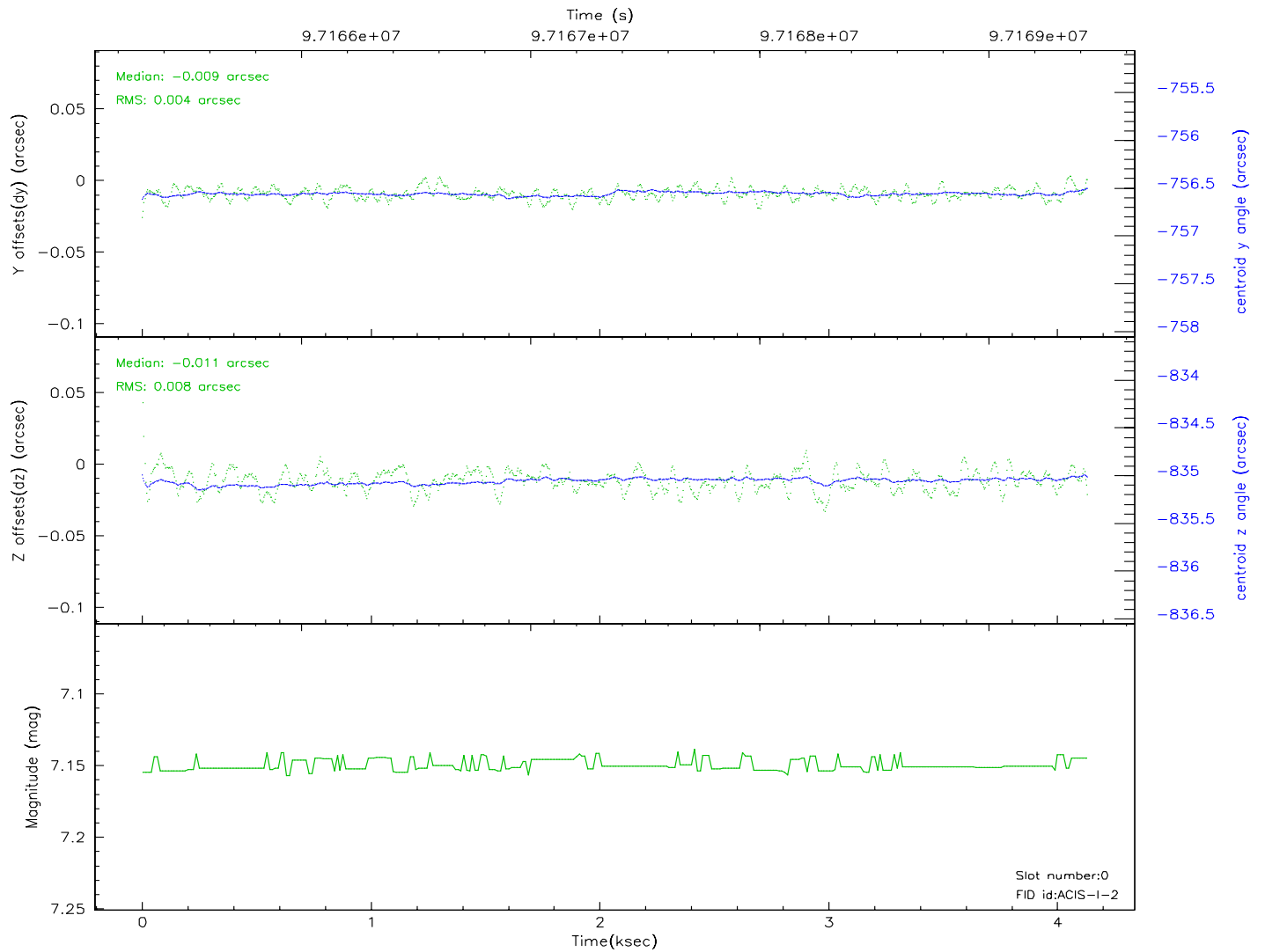
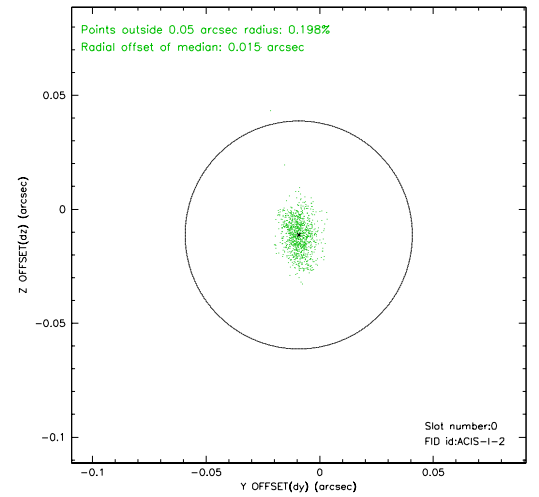
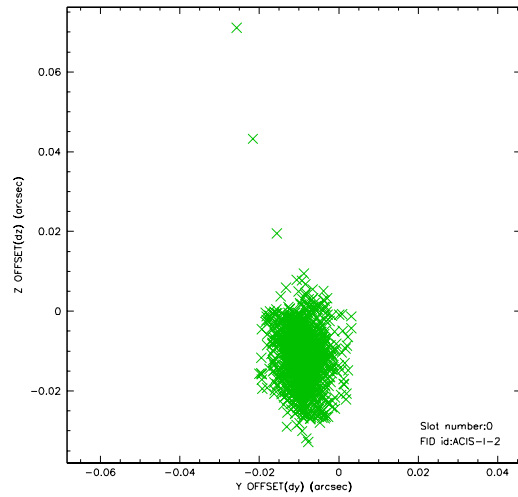


## 2.4.5 Slot 7

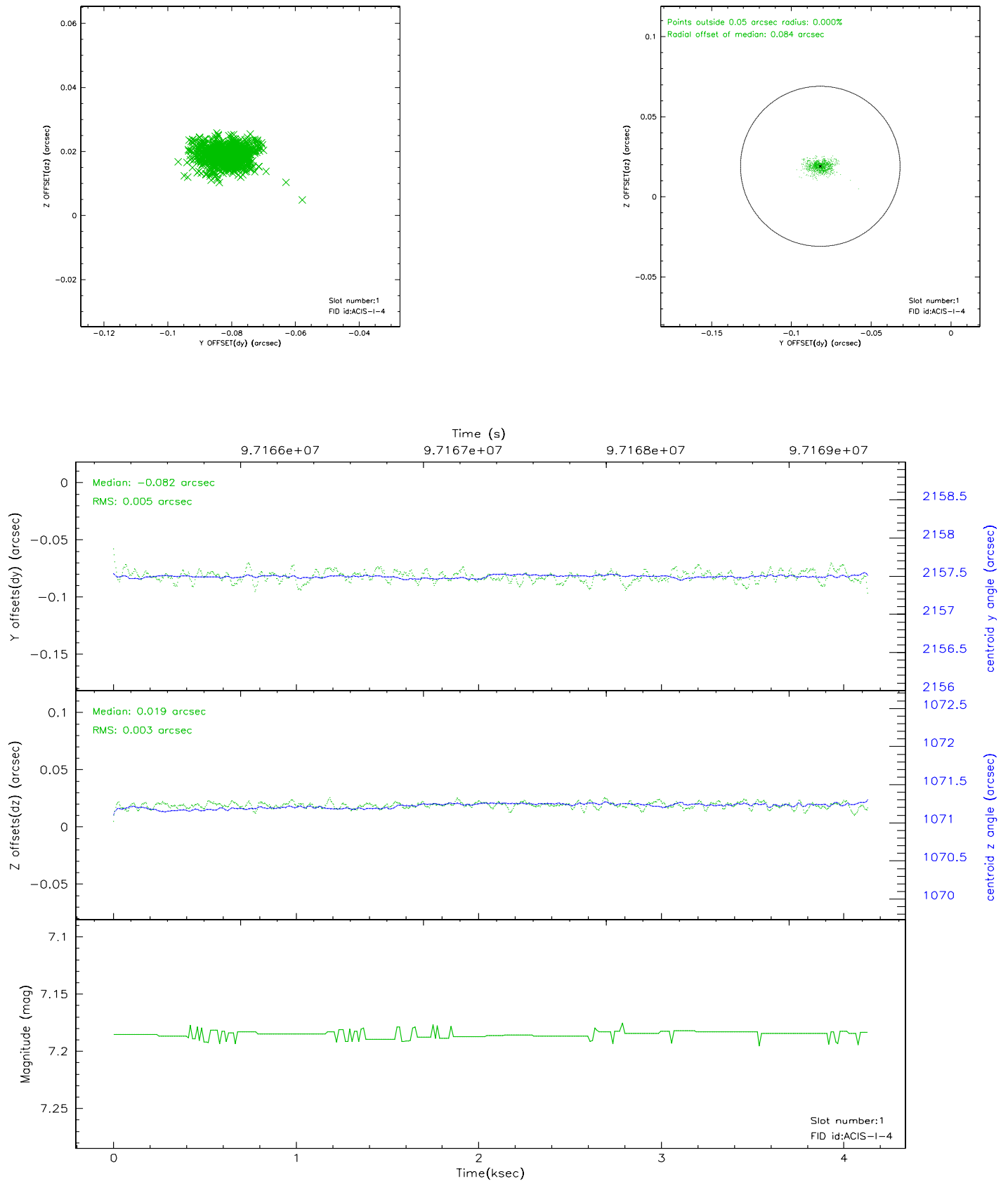


## 2.5 FID Slots

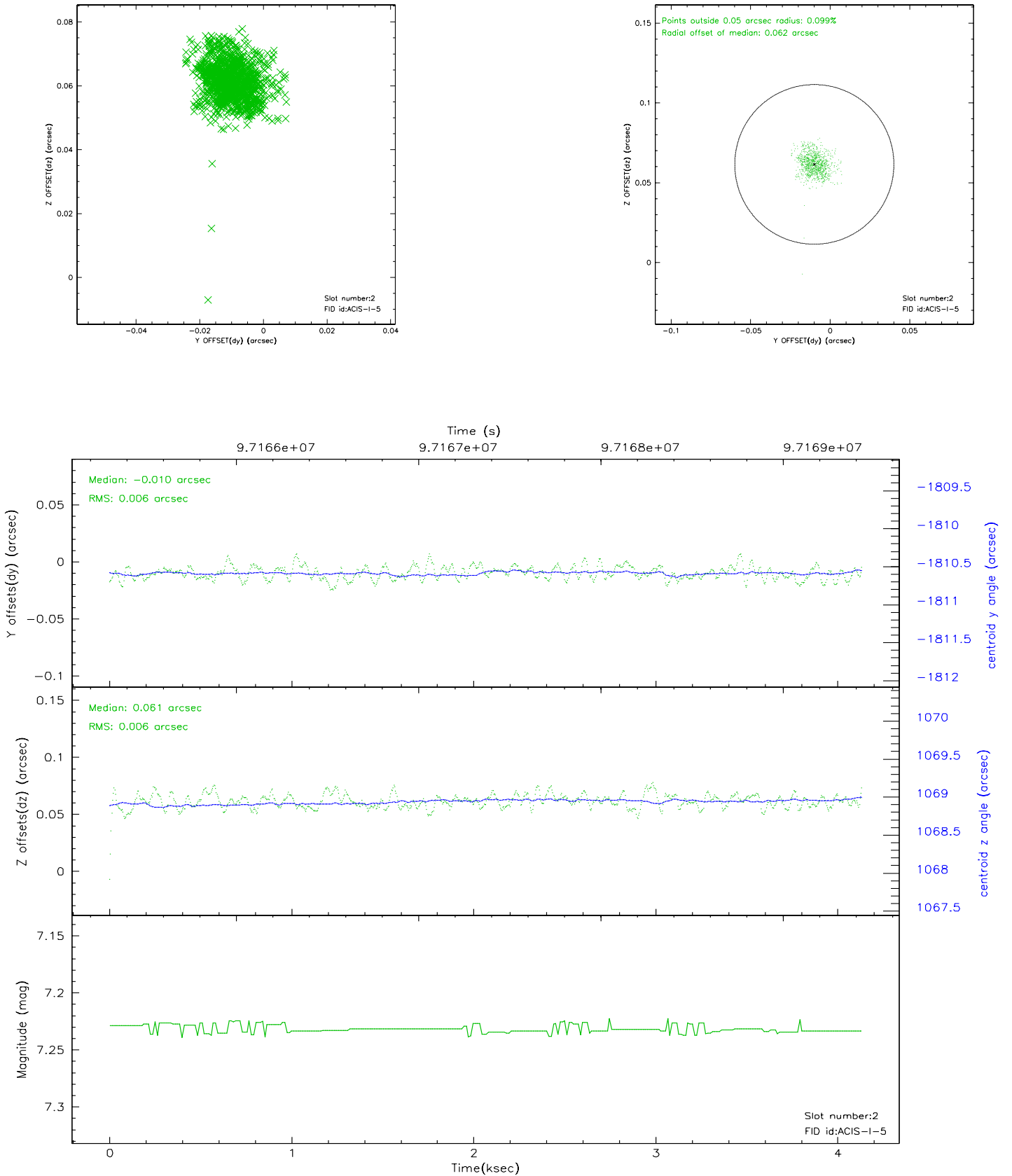
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

6.24 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.132

### A.2 Comments