

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3922 - L2 Version 001  
Chandra X-Ray Center

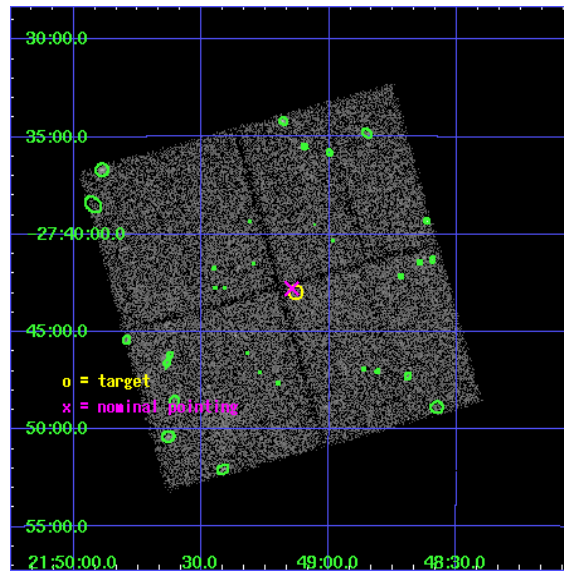
L2 Processing Date : Jul 12 2006

## 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

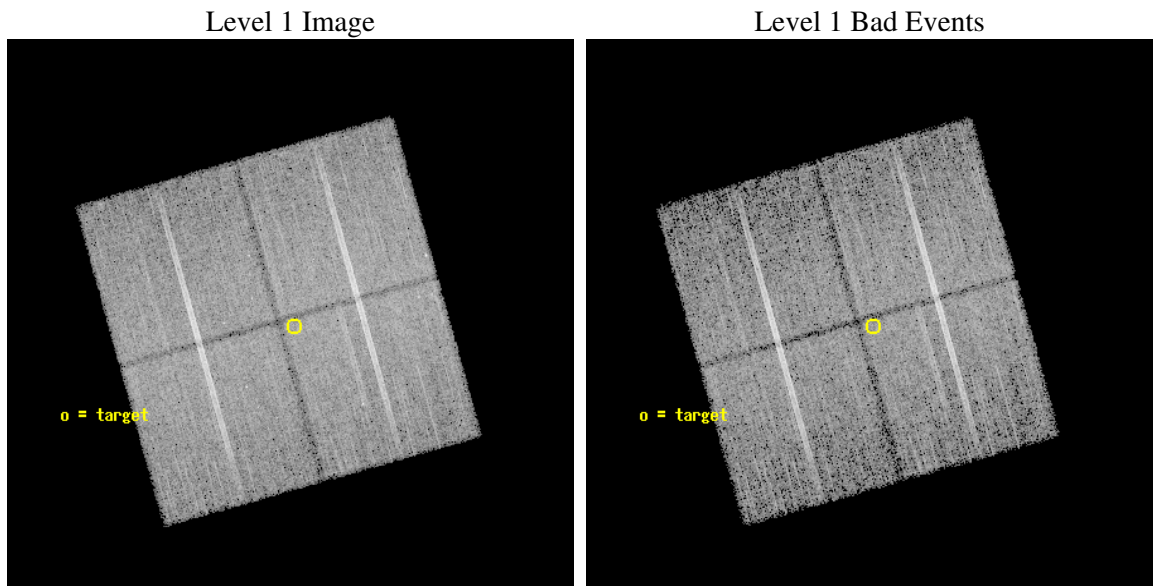
seq_num	500401
obs_id	3922
title	LOCALIZATION OF OPTICALLY-DARK GRBS WITH FAST TOO OBSERVATIONS
observer	Professor Gordon Garmire
object	H2777
dtcycle	0
cycle	P
ra_targ	327.283333
dec_targ	-27.716667
ra_nom	327.28654176516
dec_nom	-27.713070971244
roll_nom	74.3170640559
revision	2
ontime	25128.435981005
liveltime	24800.114465628
ontime0	25137.858981401
ontime1	25131.5770109
ontime2	25137.858951539
ontime3	25128.435981005
l2events	66415



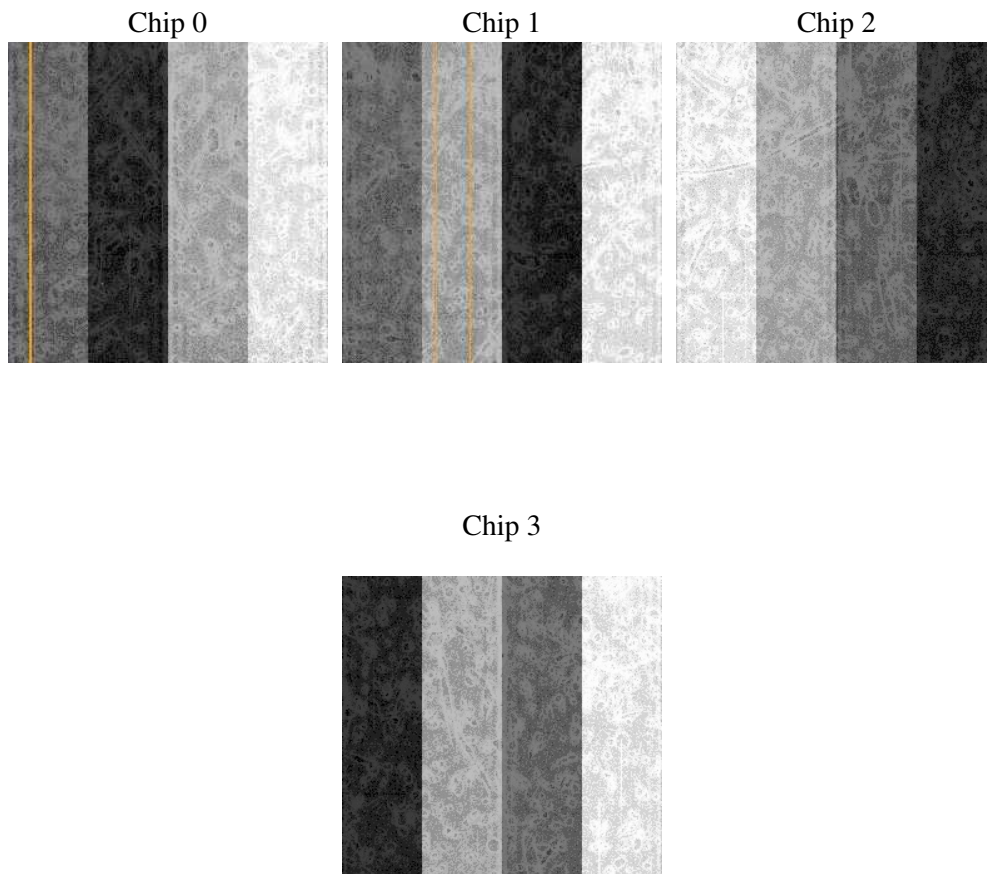
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-12T12:52:29
revision	2

sched_exp_time	25000.000000
ontime	25982.419197887
ontime0	25988.701178193
ontime1	25982.419237614
ontime2	25991.842168421
ontime3	25982.419197887
l1events	620639

### 2.1.4 Events

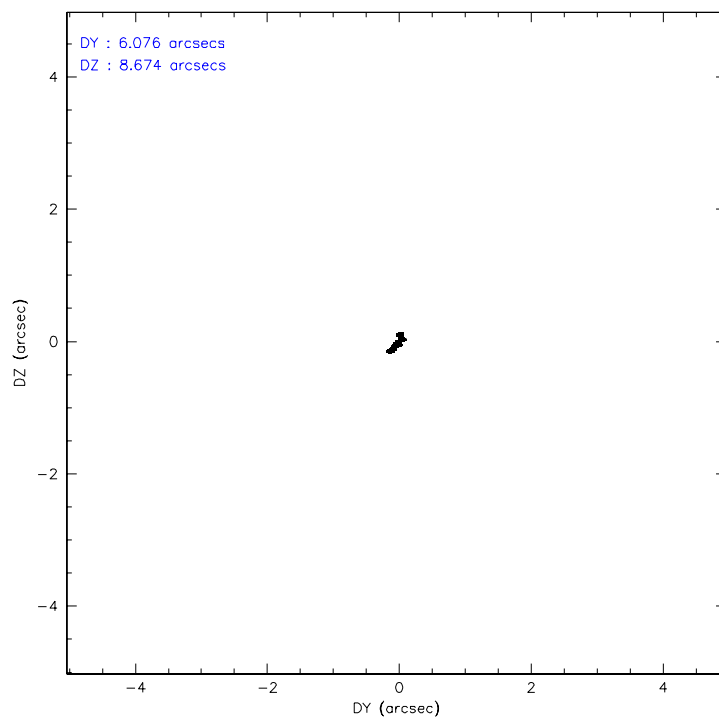
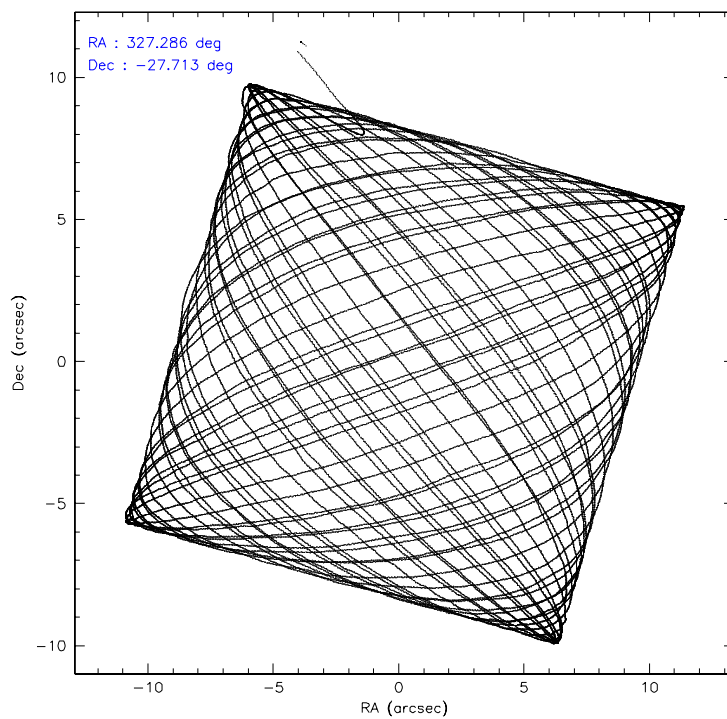
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	145291	150976	163432	160940
rejected events	126333	130187	144578	142179
rejected %	86%	86%	88%	88%

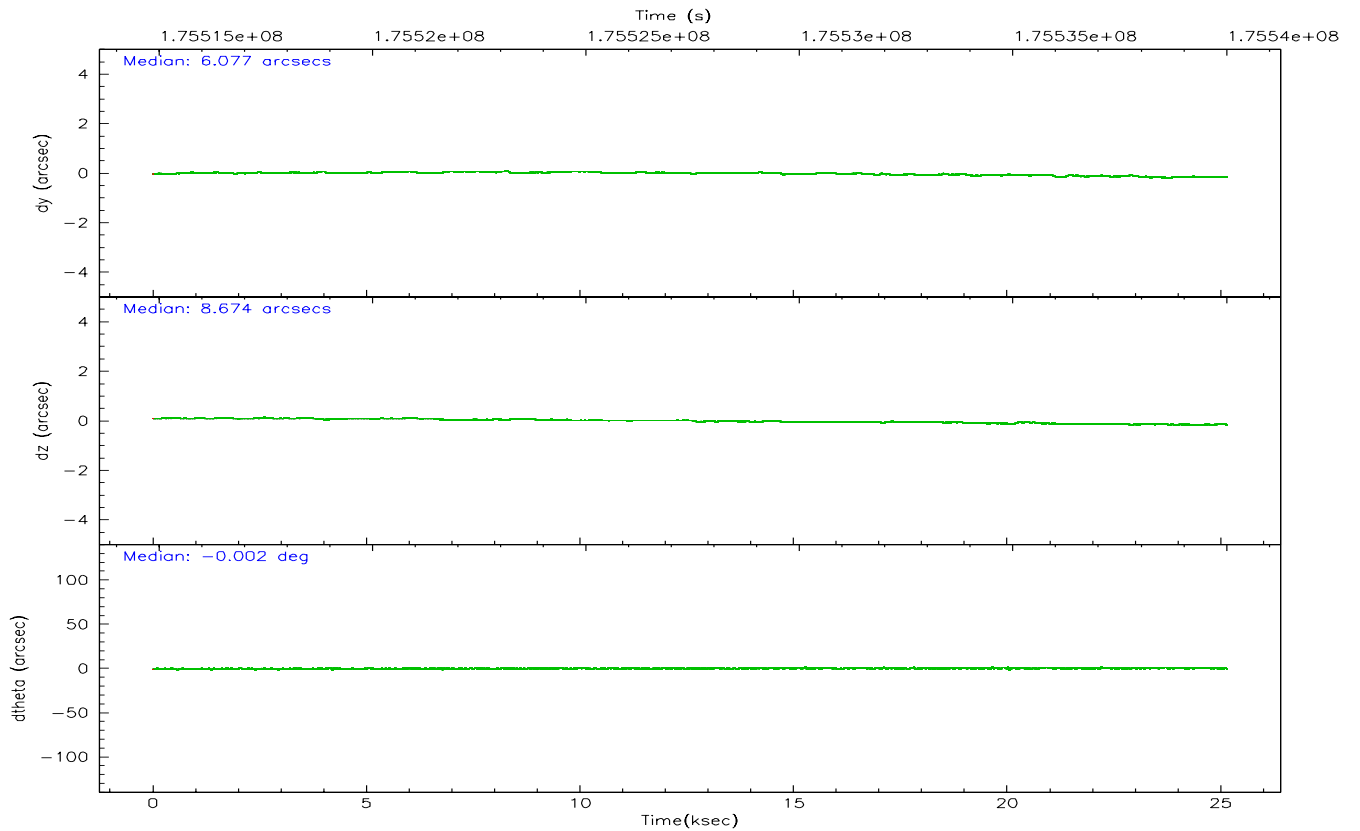
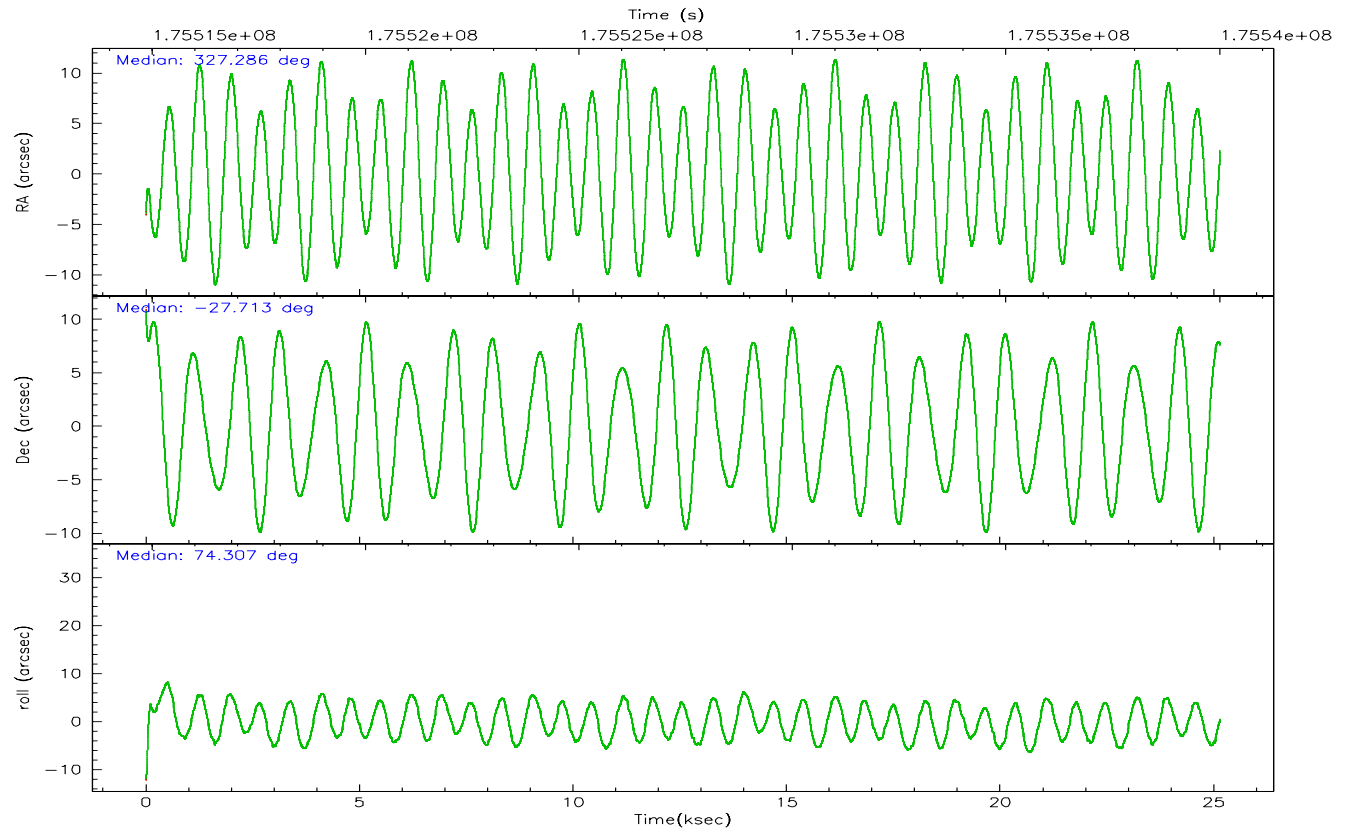
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	8345	9014	8828	8665
	5%	5%	5%	5%
grade 1 events	88	86	87	88
	0%	0%	0%	0%
grade 2 events	3884	4419	3793	3558
	2%	2%	2%	2%
grade 3 events	1954	2060	1892	1894
	1%	1%	1%	1%
grade 4 events	1858	2076	1835	1901
	1%	1%	1%	1%
grade 5 events	6414	6732	6189	7129
	4%	4%	3%	4%
grade 6 events	3512	3953	3170	3370
	2%	2%	1%	2%
grade 7 events	119236	122636	137638	134335
	82%	81%	84%	83%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	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	NONE	NONE
Pointing RA	327.294338	327.2865417651635	Alternating exposures requested	N	N
Pointing Dec	-27.739586	-27.713070971244	Primary exposure time	0.000000	3.1
Pointing Roll	74.112012	74.31706405590026			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	175515018.184000	175513683.44171			
Observation start date	2003-07-25T10:09:14	2003-07-25T09:48:03			
Observation end time	175540018.184000	175541295.91788			
Observation end date	2003-07-25T17:05:54	2003-07-25T17:28:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect





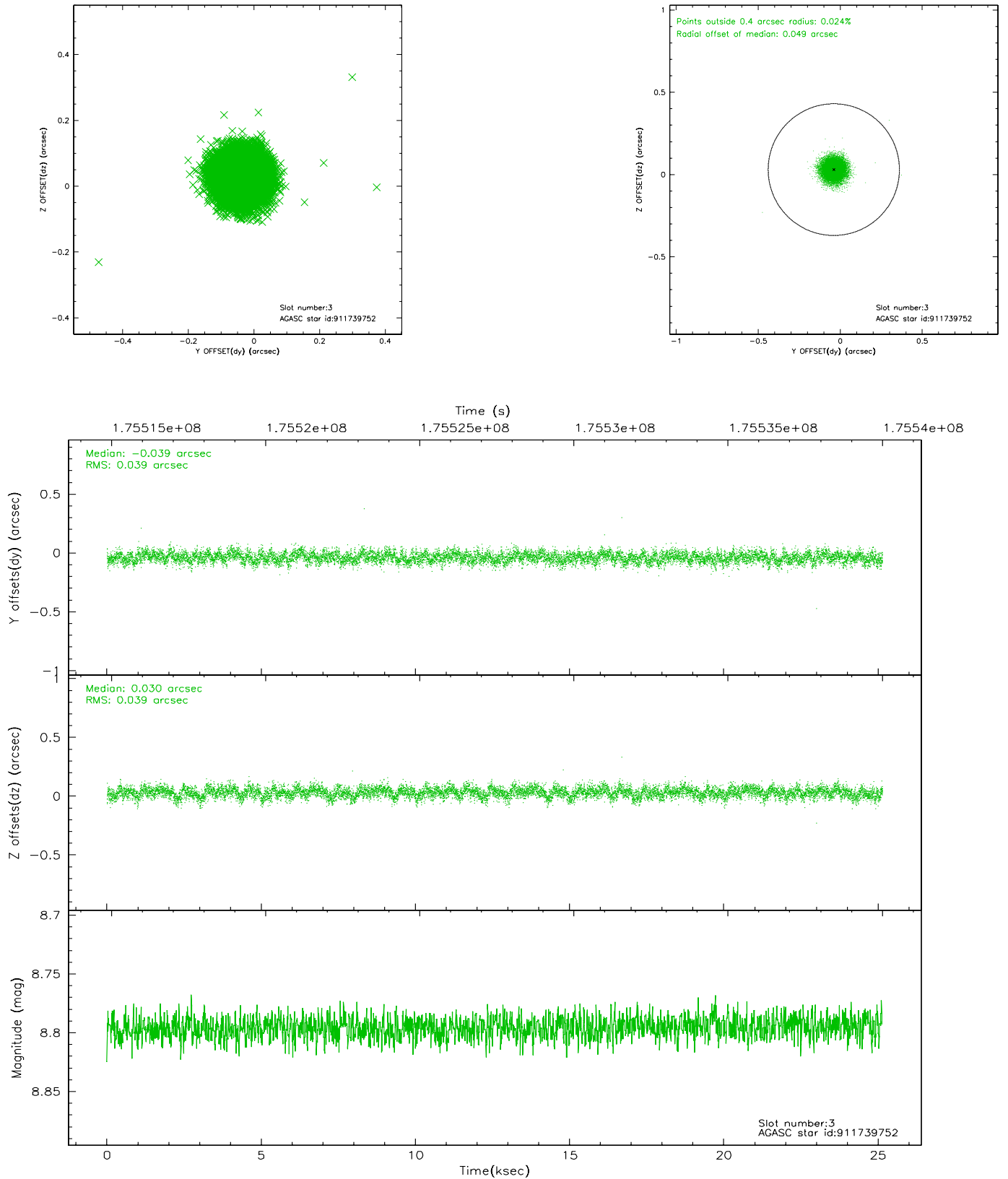
### Slot Statistics

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	6134	-0.014	0.071	0.006	0.011	0.000000	0.000000	933.64	-832.03
1	FID	ACIS-I-5	7.23	6133	-0.106	0.033	0.006	0.011	0.000000	0.000000	-1814.49	1065.36
2	FID	ACIS-I-6	7.26	6132	0.028	-0.033	0.007	0.011	0.000000	0.000000	399.10	1709.93
3	GUIDE	911739752	8.80	12263	-0.039	0.030	0.059	0.095	327.086125	-27.144025	1878.92	1228.53
4	GUIDE	911741176	9.16	12259	-0.006	-0.186	0.081	0.129	326.822970	-27.113376	1751.99	2069.21
5	GUIDE	911745080	7.67	12268	-0.092	0.129	0.051	0.082	327.881685	-27.399142	1688.87	-1470.97
6	GUIDE	911746640	7.72	12267	0.030	0.097	0.064	0.108	328.120982	-27.315217	2185.46	-2127.16
7	GUIDE	912130672	9.53	12260	0.106	-0.071	0.102	0.162	326.690090	-27.778712	-666.88	1810.71

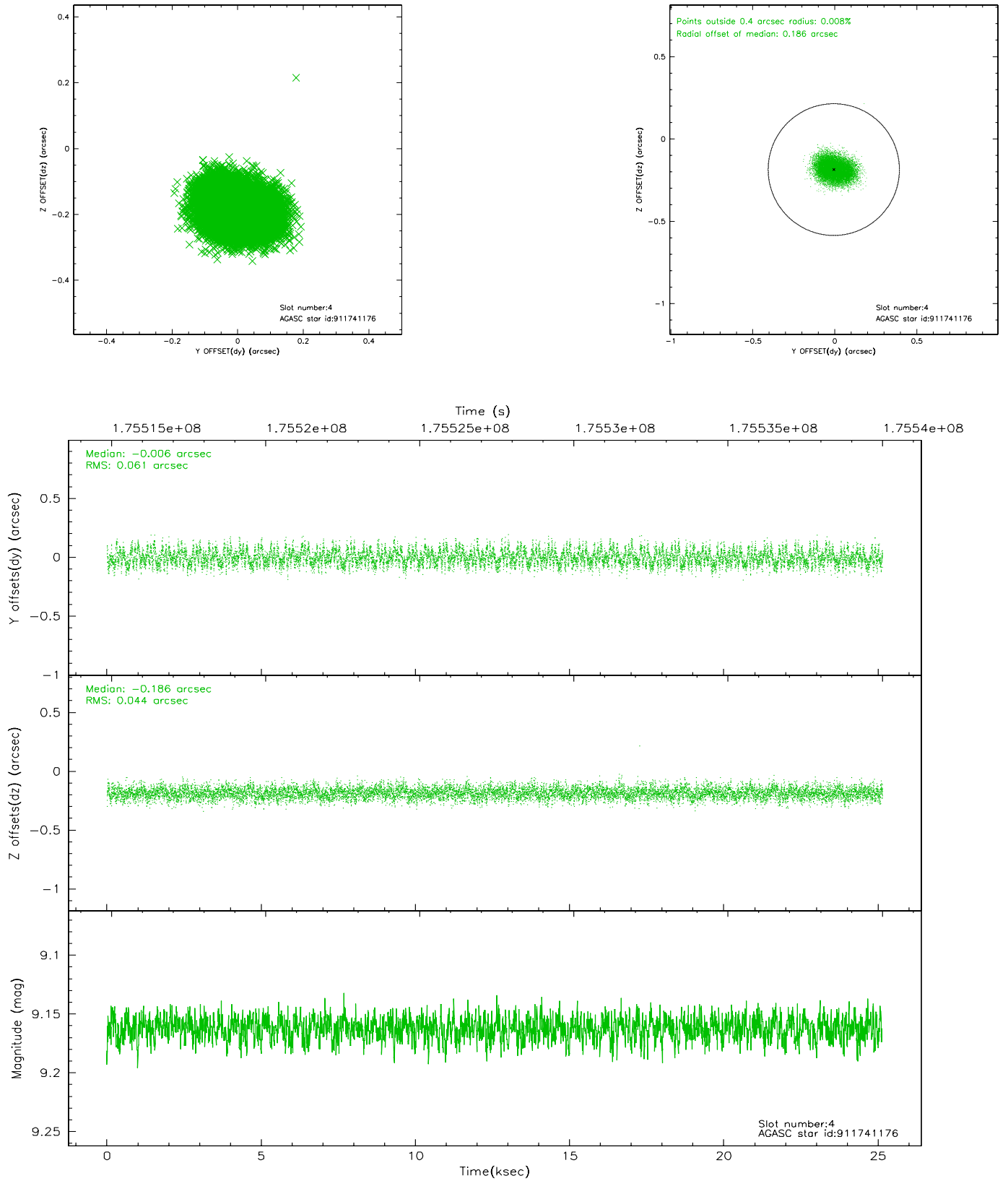


## 2.4 Star Slots

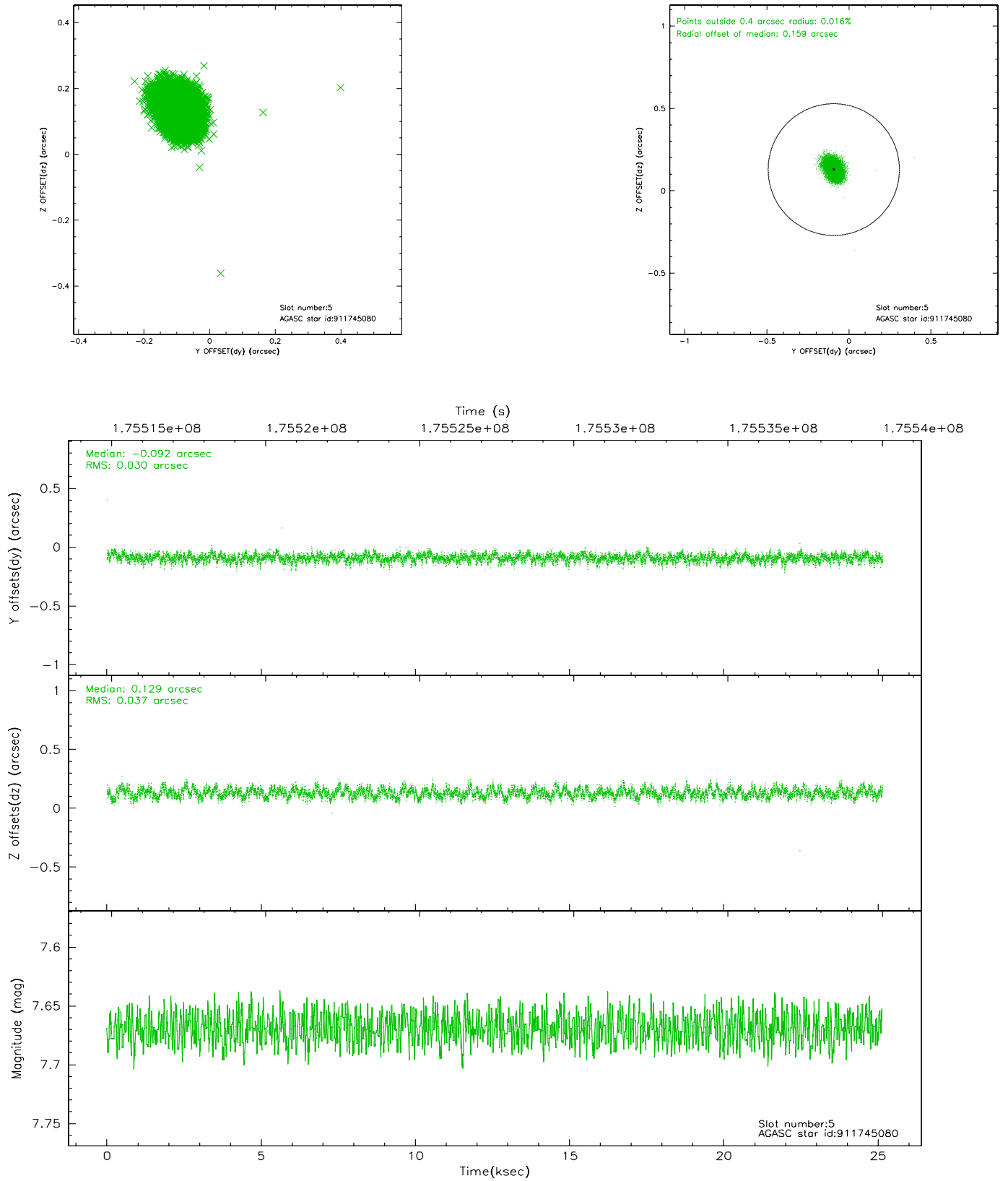
### 2.4.1 Slot 3



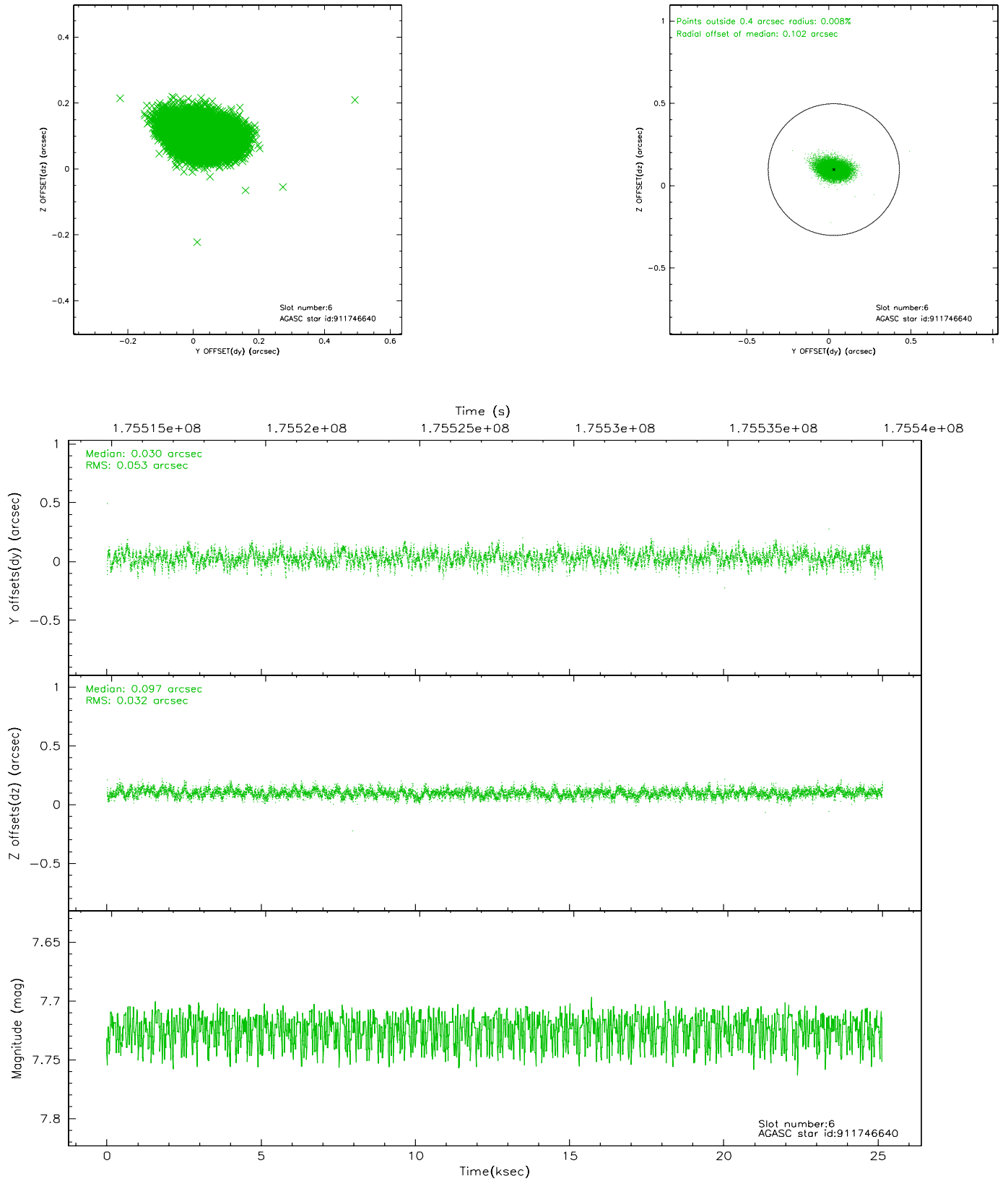
## 2.4.2 Slot 4



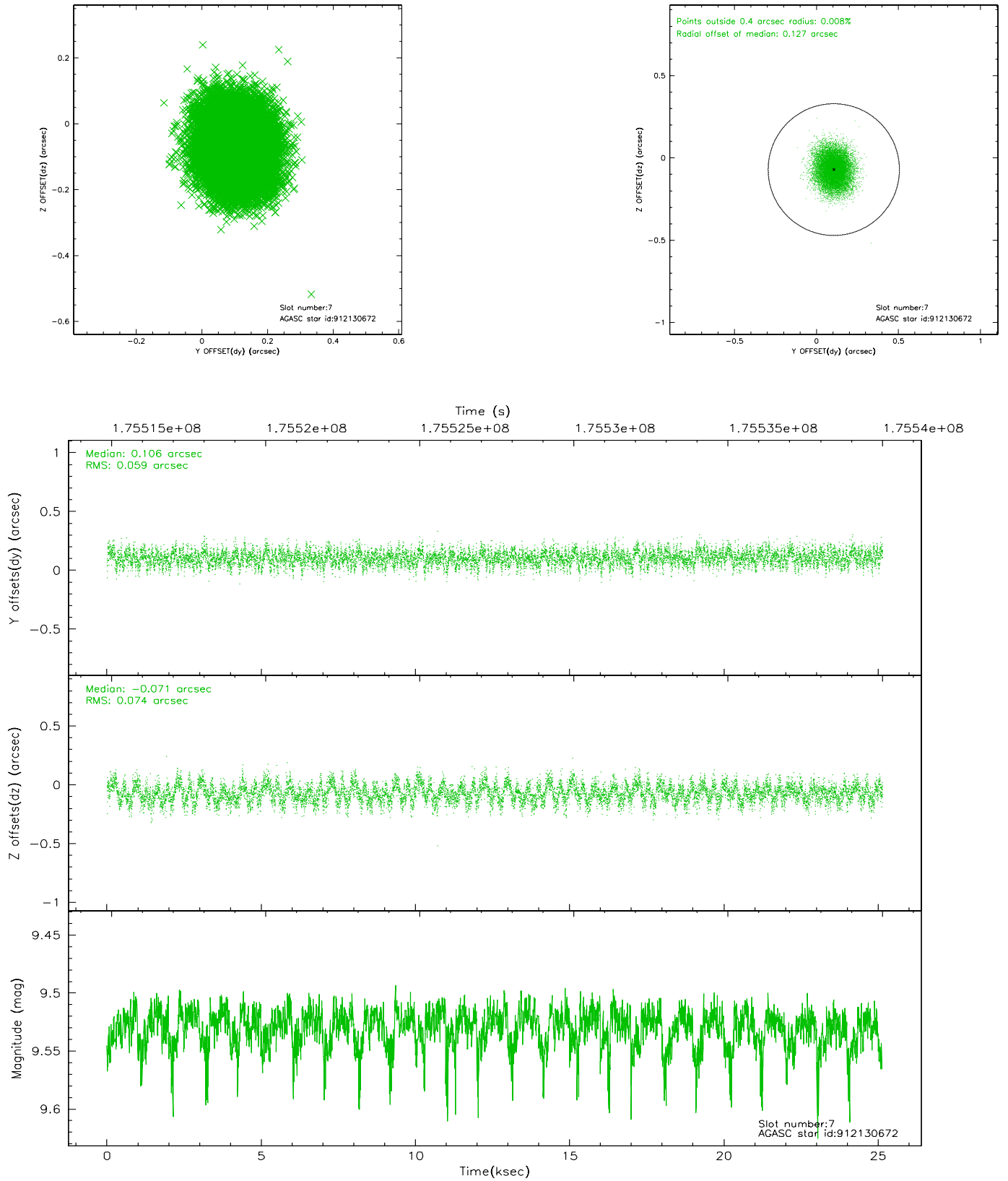
### 2.4.3 Slot 5



## 2.4.4 Slot 6

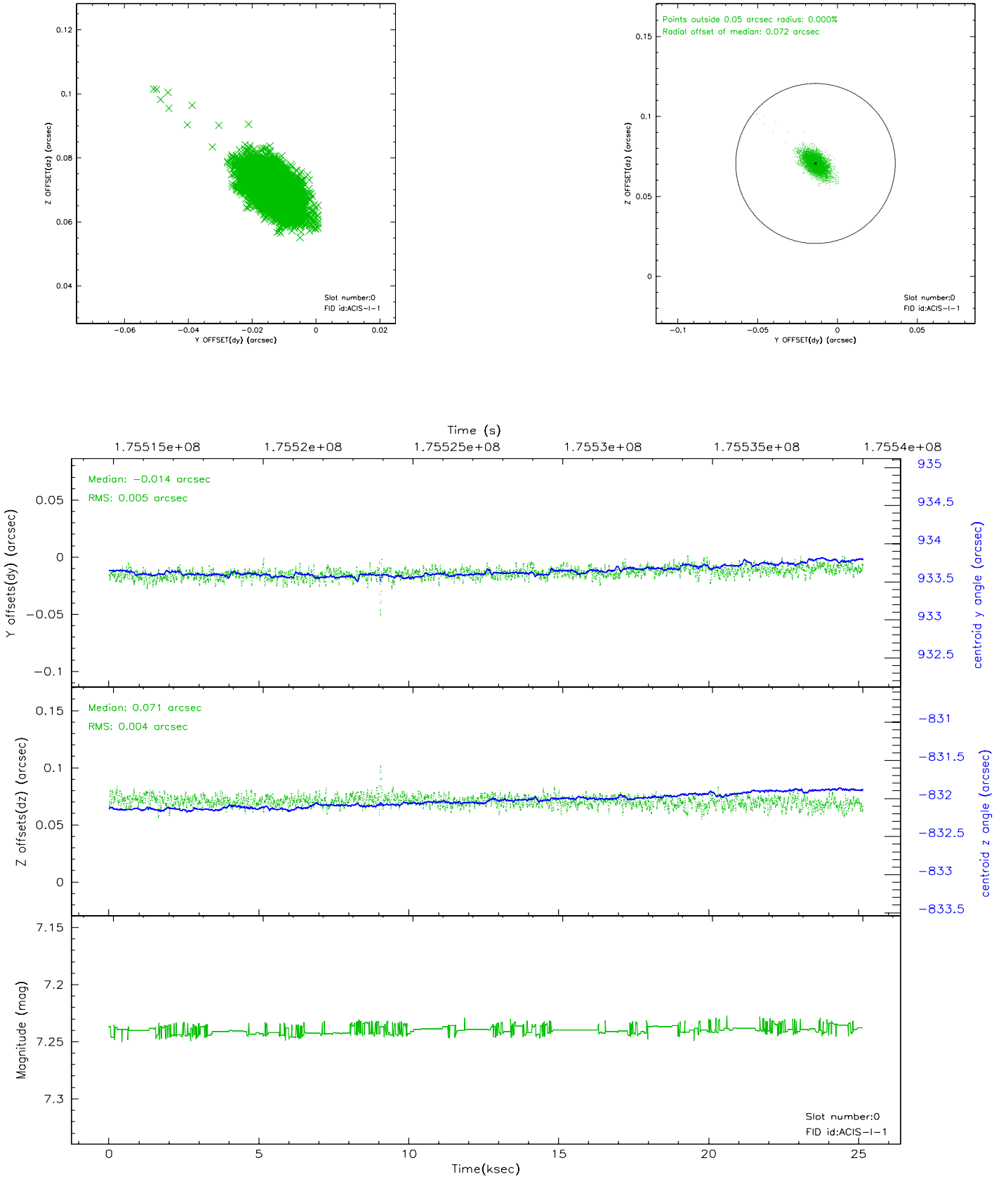


## 2.4.5 Slot 7

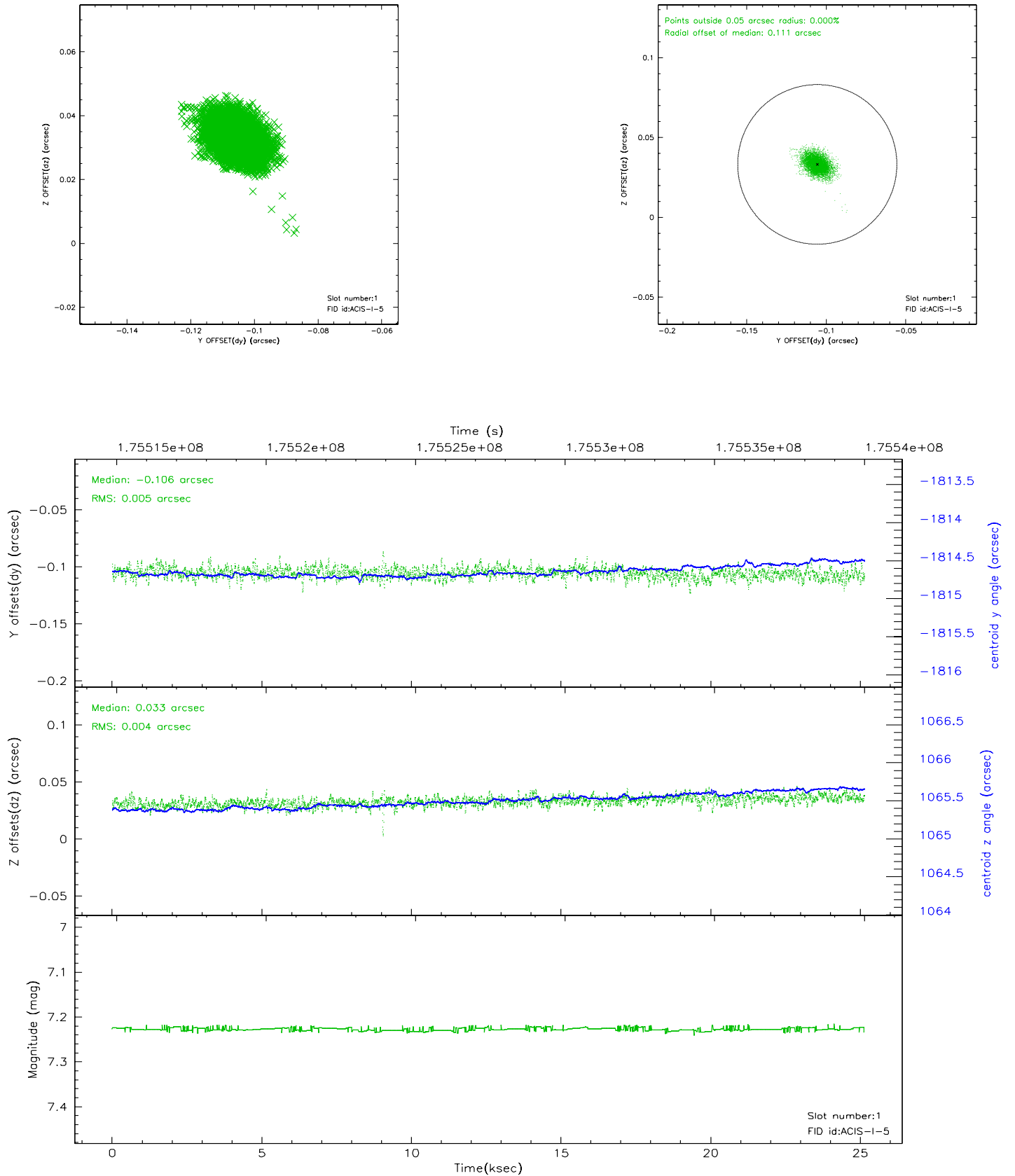


## 2.5 FID Slots

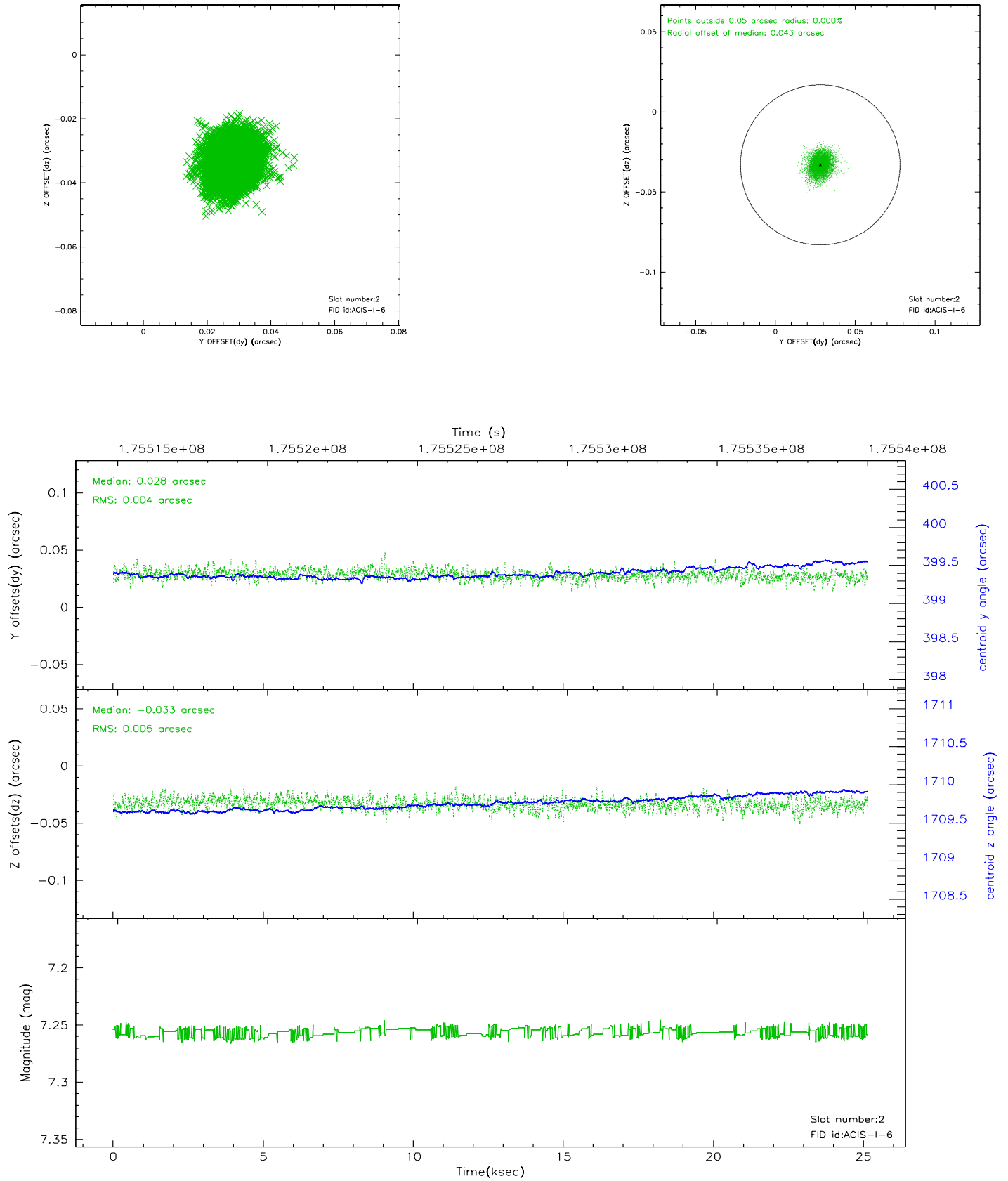
### 2.5.1 Slot 0



## 2.5.2 Slot 1

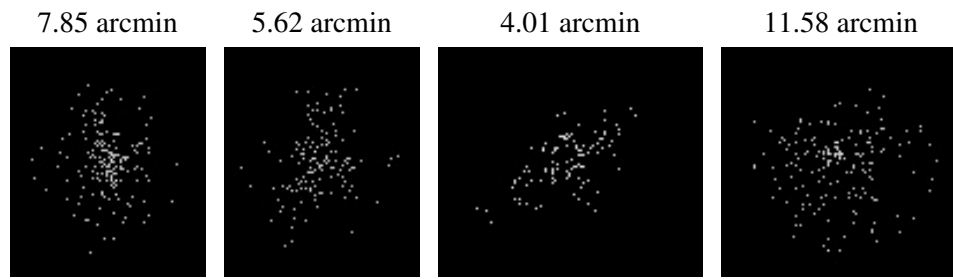


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.128

### A.2 Comments

The ACIS focal plane temperature decreases by a degree during the first 5 ksec of the observation.