

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4004 - L2 Version 001  
Chandra X-Ray Center

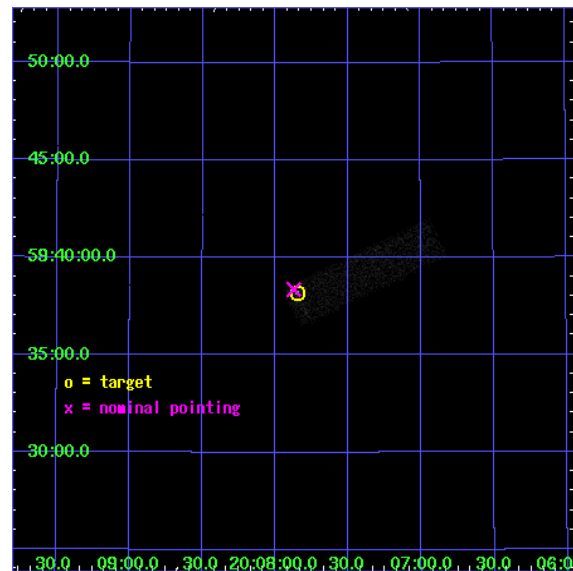
L2 Processing Date : Jul 25 2006

## 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

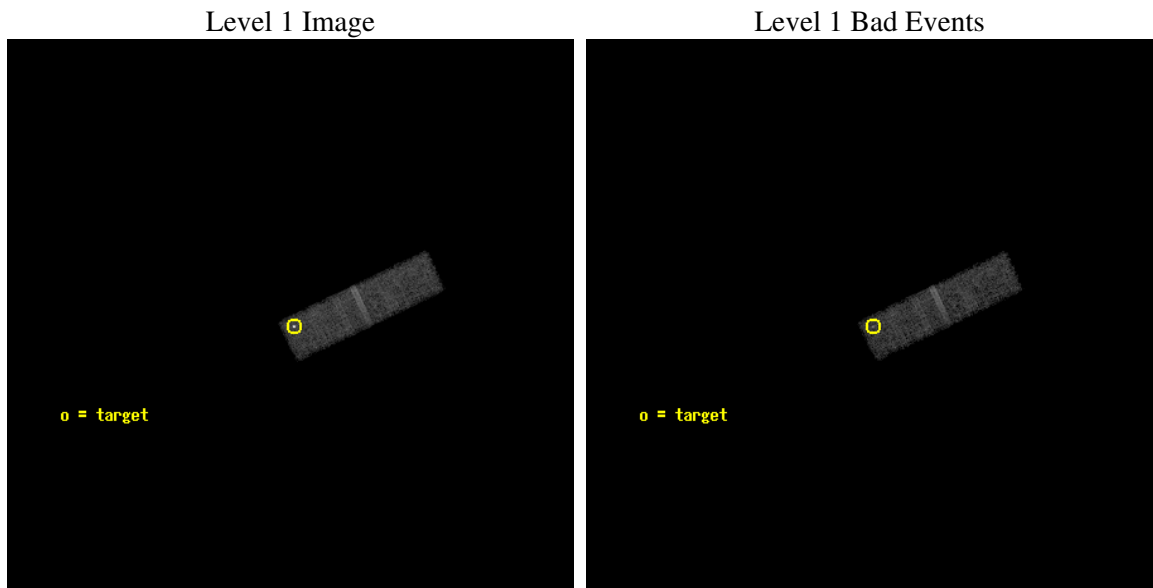
seq_num	700683
obs_id	4004
title	THE NATURE OF THE ``COMPOSITE" SEYFERT/STAR-FORMING GALAXIES
observer	Dr. Anna Wolter
object	IRAS20069+5929
dtcycle	0
cycle	P
ra_targ	301.96125
dec_targ	59.636389
ra_nom	301.96812725427
dec_nom	59.639461015358
roll_nom	64.589312818368
revision	2
ontime	25184.759365201
liveltime	23955.825516219
ontime3	25184.759365201
l2events	9285



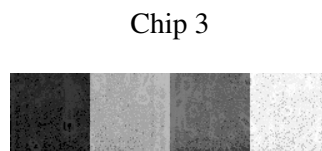
## 2 OBI

### 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	2006-07-25T17:29:17
revision	2

sched_exp_time	25000.000000
ontime	26288.903877765
ontime3	26288.903877765
l1events	61363

### 2.1.4 Events

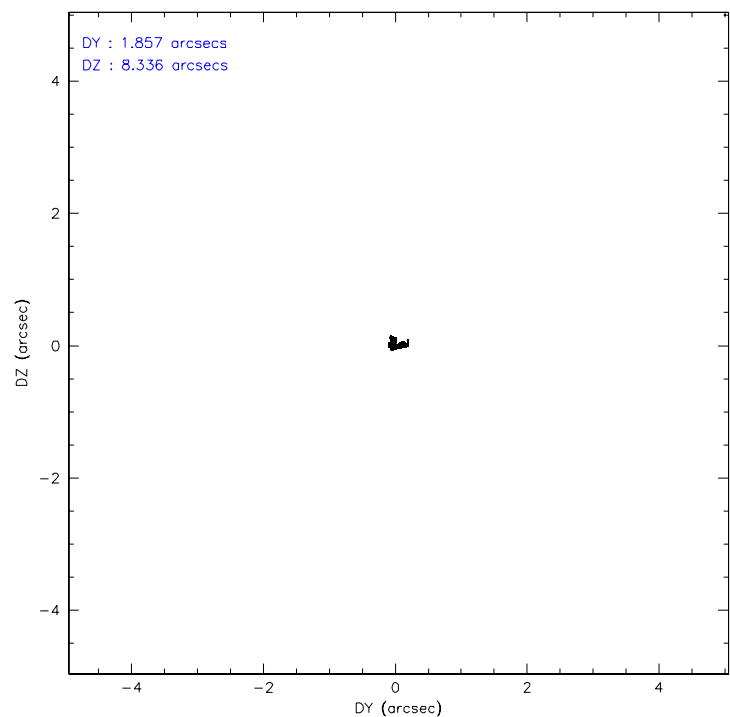
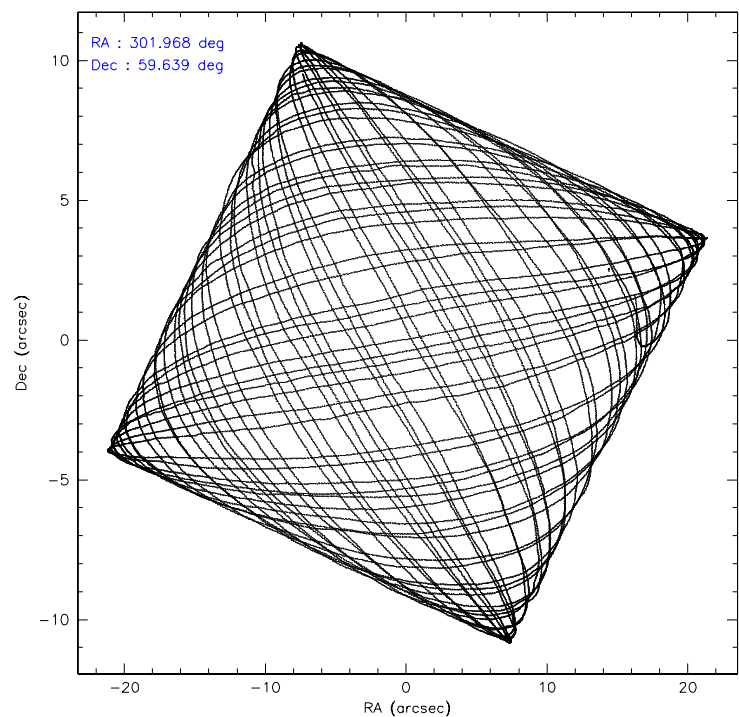
	<b>ccd 3</b>
level 1 events	61363
rejected events	51134
rejected %	83%

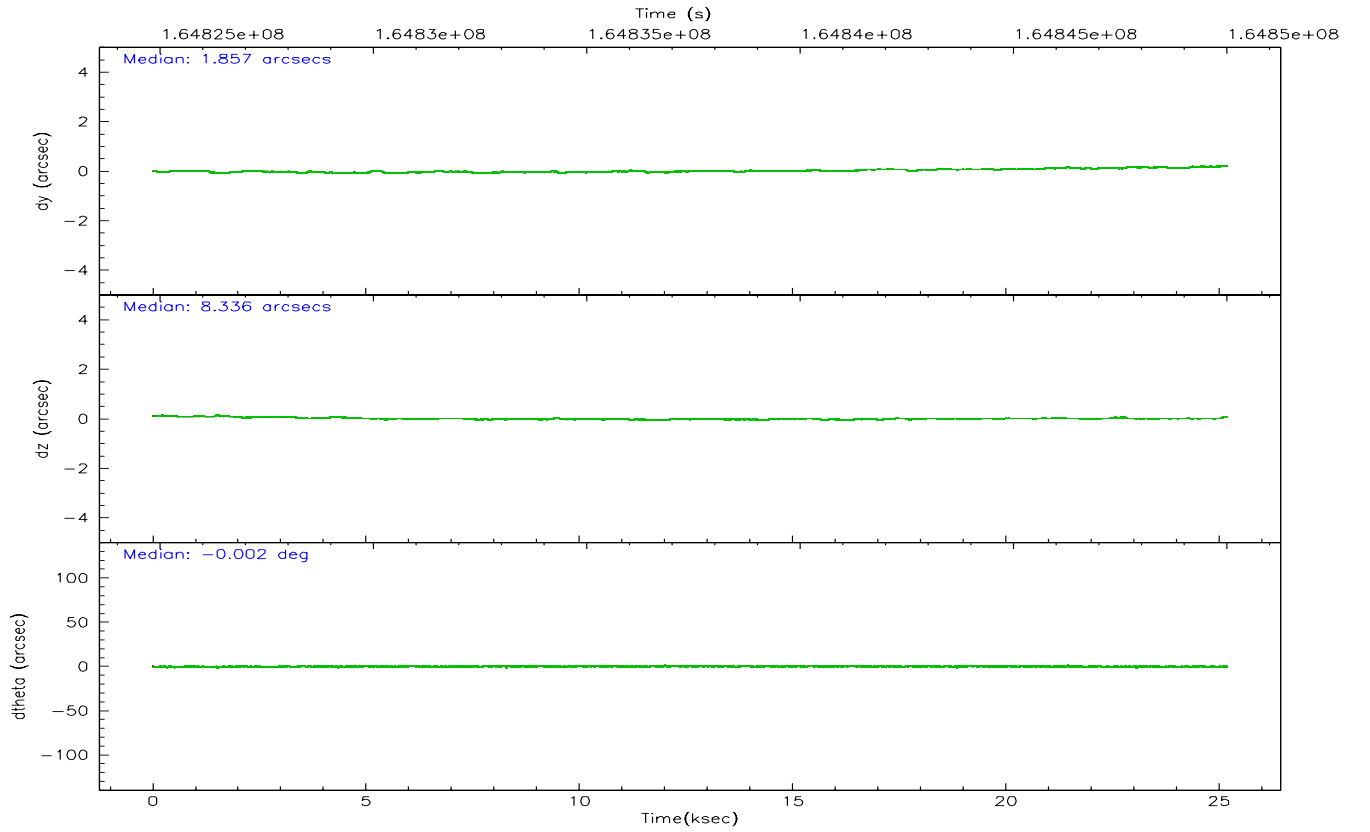
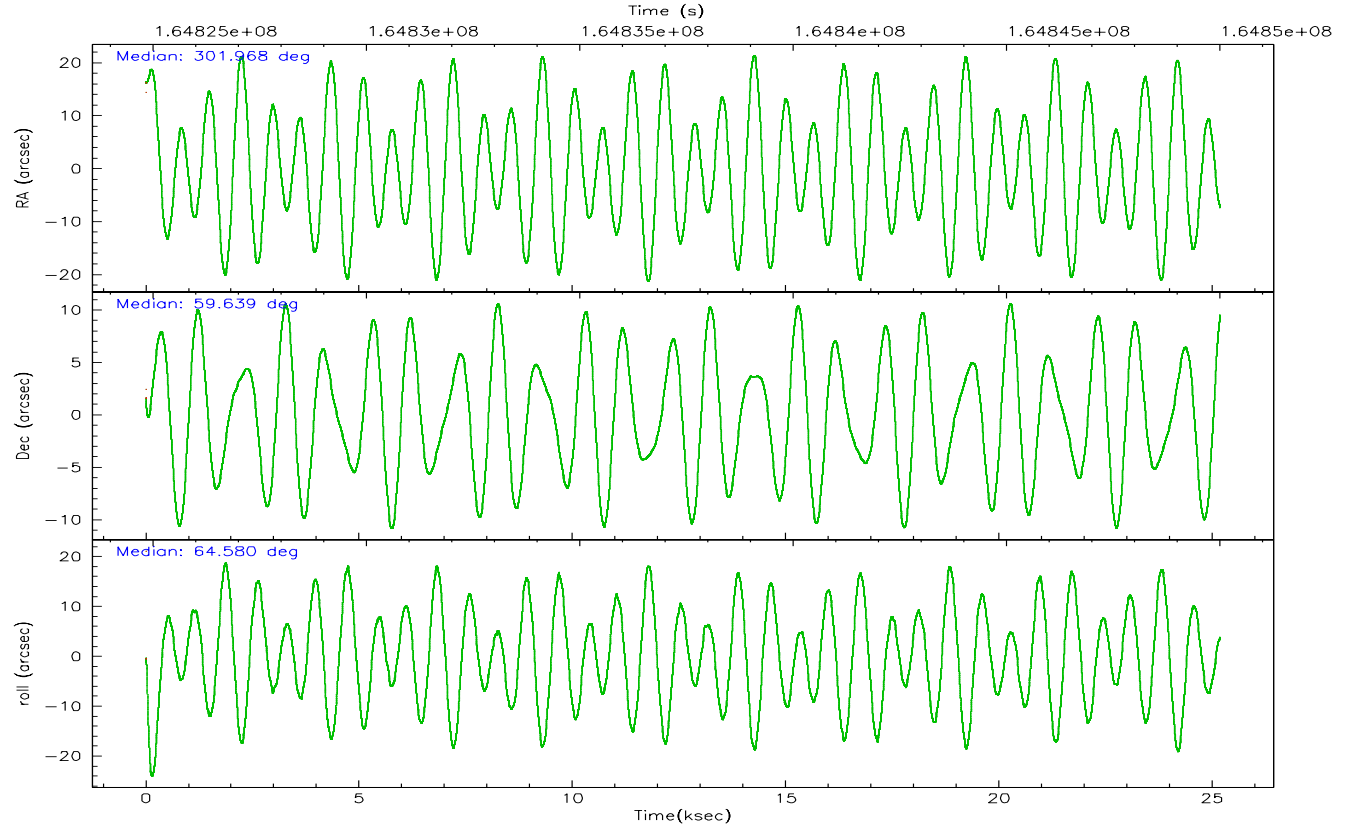
	<b>ccd 3</b>
grade 0 events	5811
	9%
grade 1 events	77
	0%
grade 2 events	1365
	2%
grade 3 events	1131
	1%
grade 4 events	1097
	1%
grade 5 events	2105
	3%
grade 6 events	1085
	1%
grade 7 events	48692
	79%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/4	1/4
Pointing RA	301.972655	301.9681272542749	Subarray start row	0	769
Pointing Dec	59.612188	59.63946101535781	Subarray row count	1024	256
Pointing Roll	64.376712	64.58931281836828	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Primary exposure time	0.000000	0.8
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	164825024.184000	164823735.56355			
Observation start date	2003-03-23T16:42:40	2003-03-23T16:22:15			
Observation end time	164850024.184000	164850724.83969			
Observation end date	2003-03-23T23:39:20	2003-03-23T23:52:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect





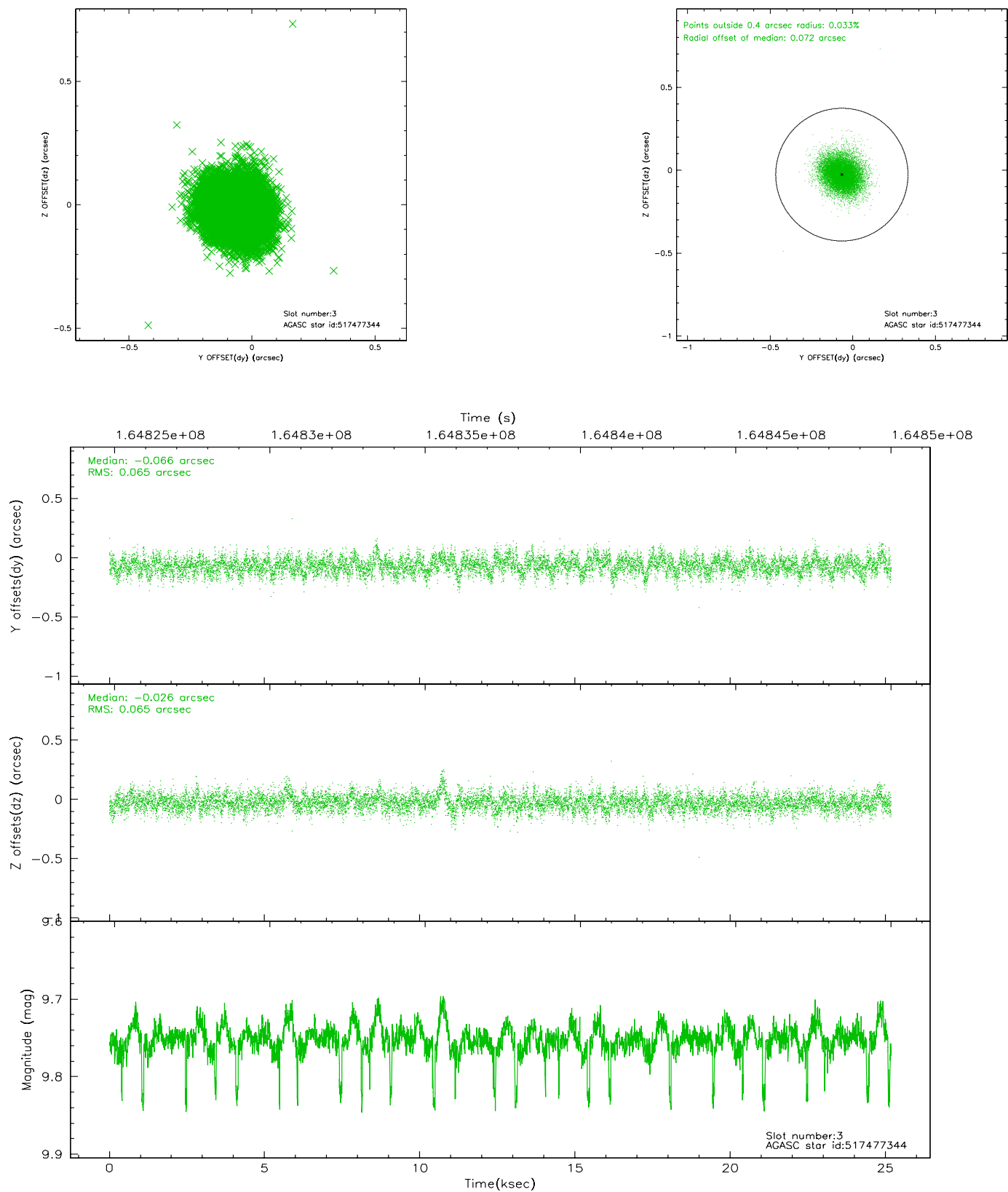
### Slot Statistics

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	6141	-0.053	0.099	0.006	0.011	0.000000	0.000000	937.89	-831.68
1	FID	ACIS-I-5	7.24	6142	-0.014	0.021	0.006	0.010	0.000000	0.000000	-1810.11	1065.68
2	FID	ACIS-I-6	7.26	6142	-0.024	-0.050	0.007	0.011	0.000000	0.000000	403.35	1710.24
3	GUIDE	517477344	9.75	12260	-0.066	-0.026	0.097	0.159	301.507004	59.779255	180.11	1022.21
4	GUIDE	517485312	7.89	12286	-0.031	-0.142	0.055	0.088	301.032870	59.662296	-565.49	1623.95
5	GUIDE	517473376	9.61	12276	-0.050	0.066	0.117	0.192	302.709648	59.024693	-1309.19	-2142.55
6	GUIDE	517475800	9.23	12280	-0.003	0.109	0.107	0.168	303.181010	59.931462	1997.17	-1459.19
7	GUIDE	554710096	9.50	12280	0.156	-0.004	0.105	0.168	301.819415	60.290524	2084.30	1303.04

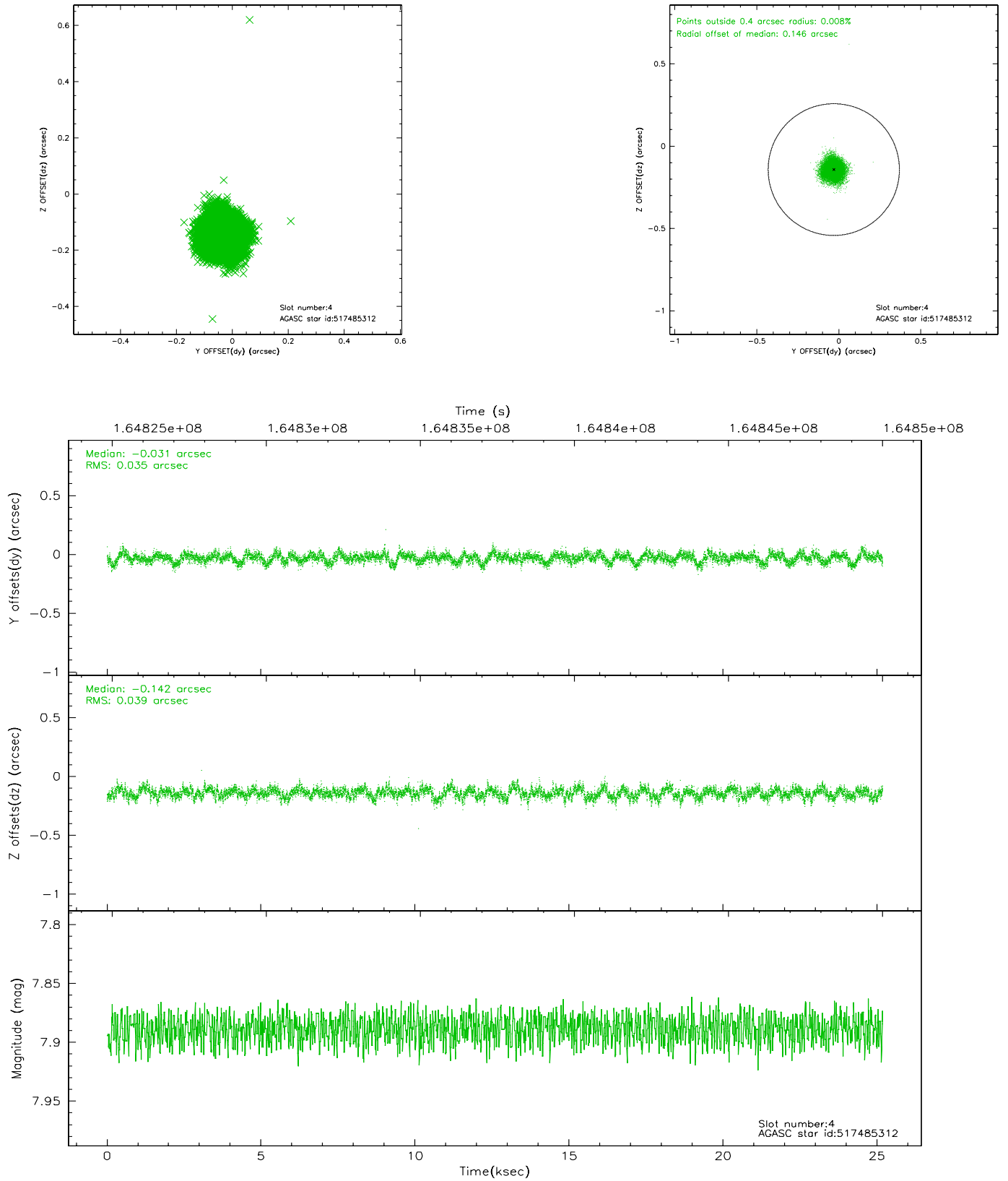


## 2.4 Star Slots

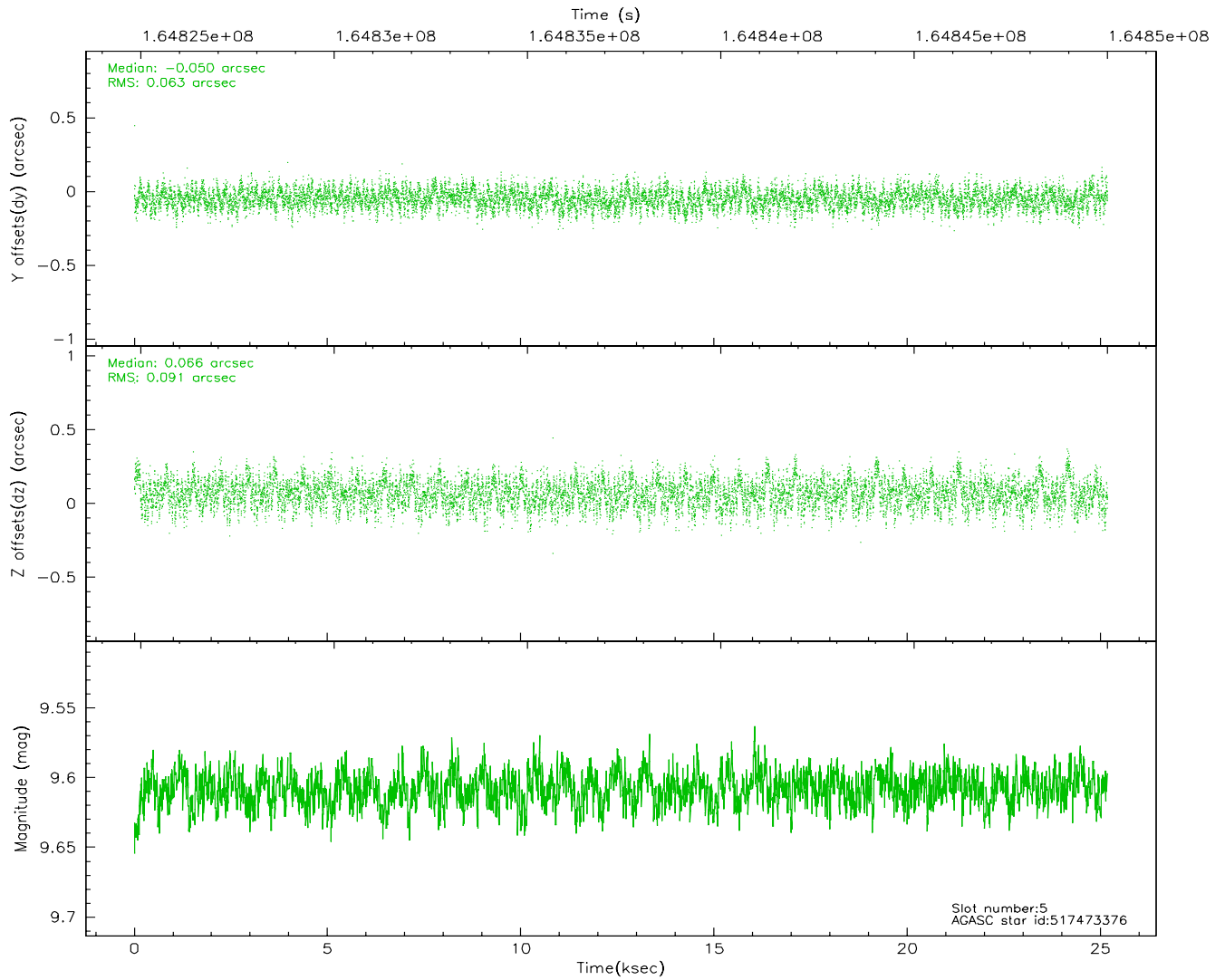
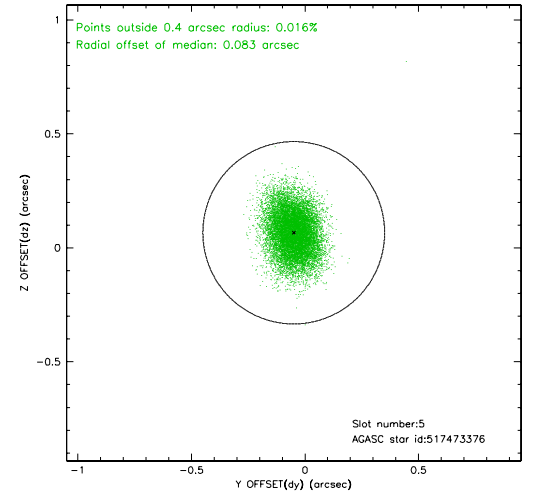
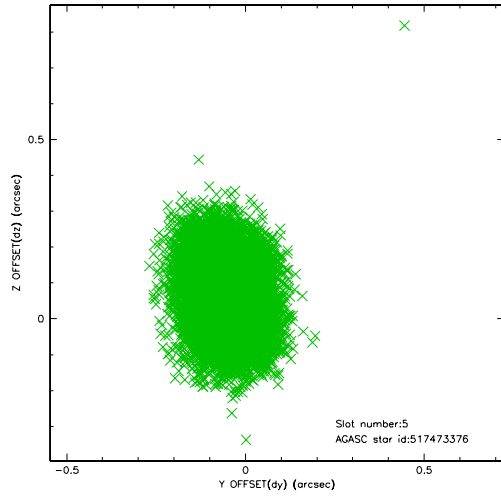
### 2.4.1 Slot 3



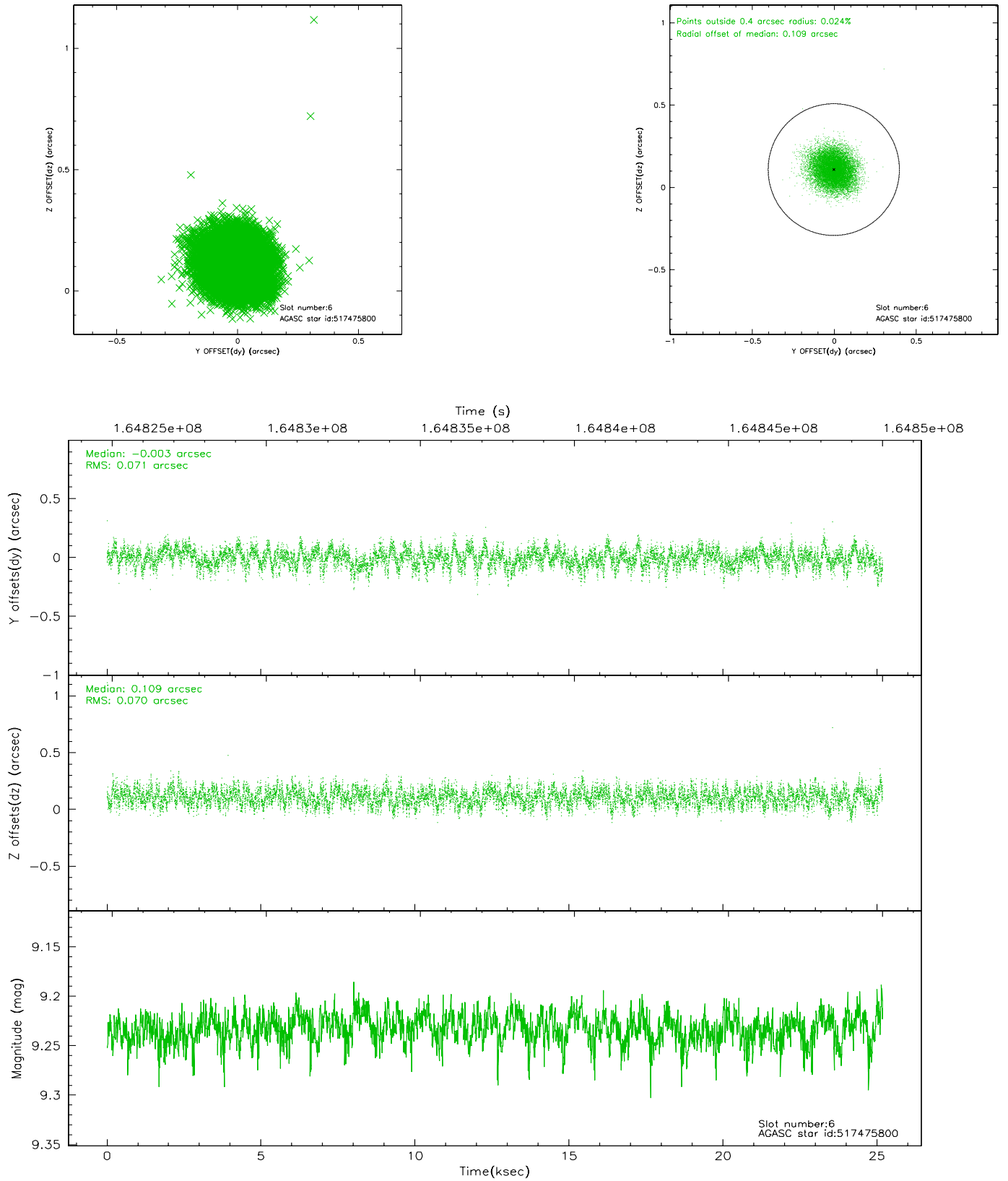
## 2.4.2 Slot 4



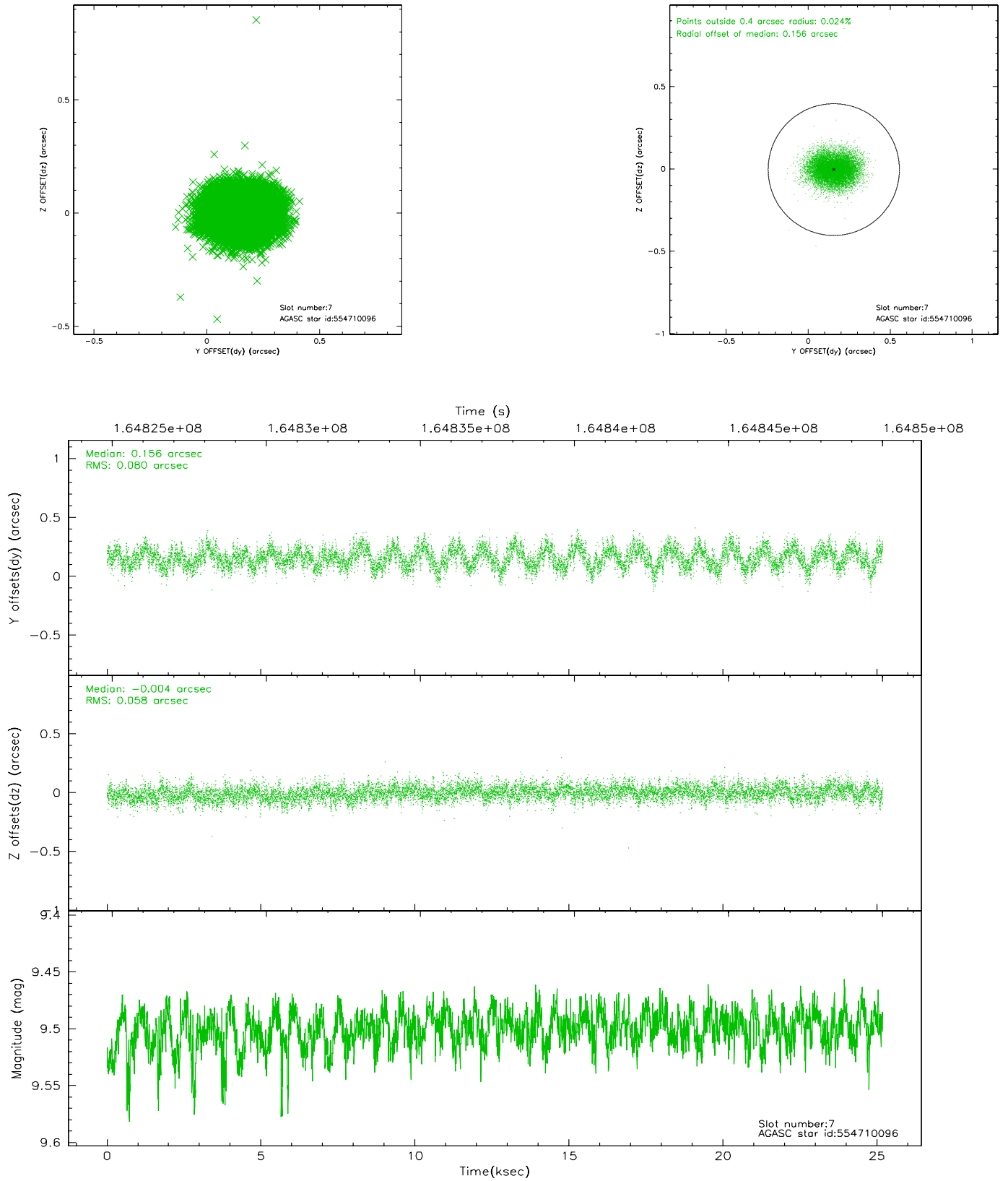
### 2.4.3 Slot 5



## 2.4.4 Slot 6

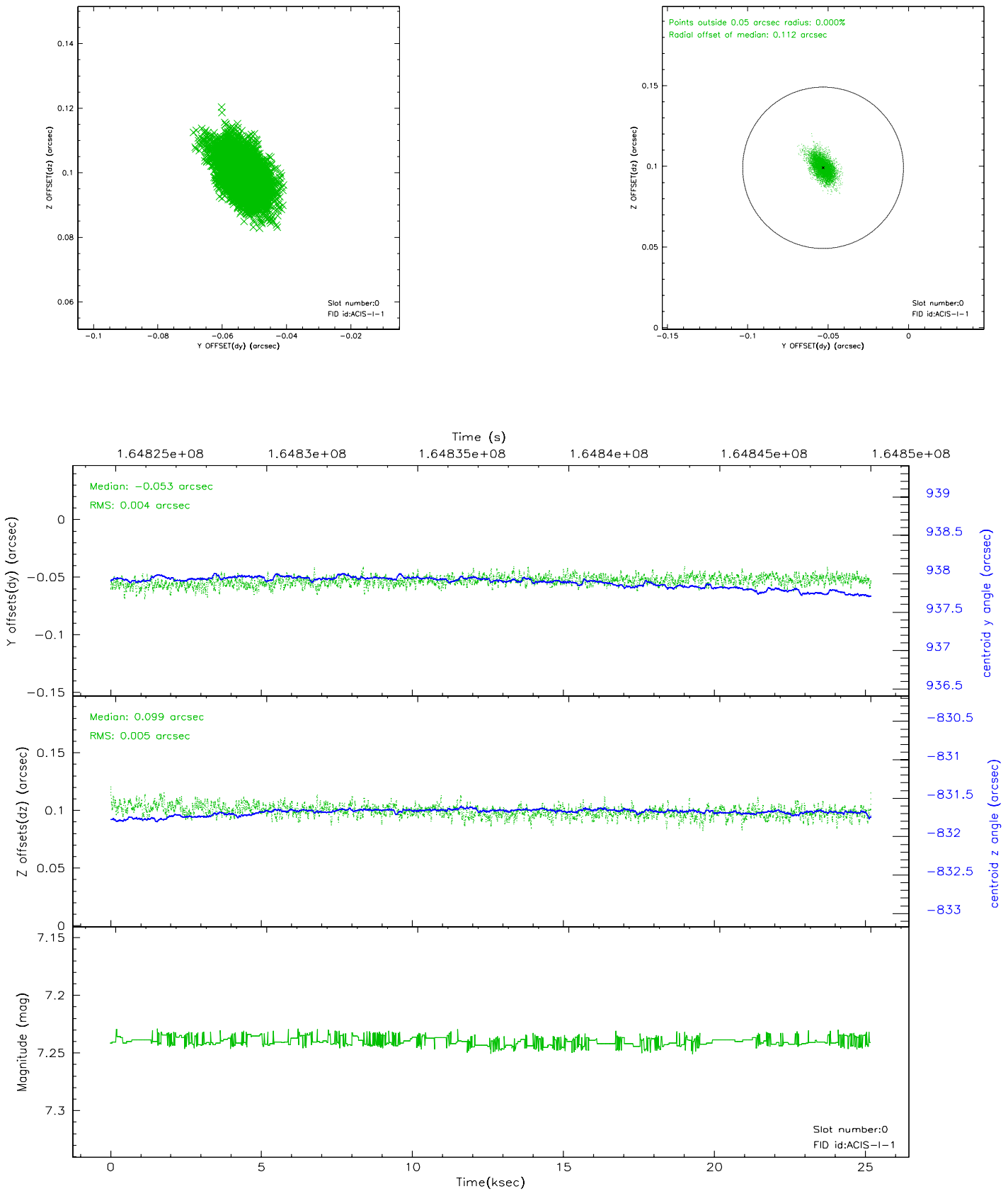


## 2.4.5 Slot 7

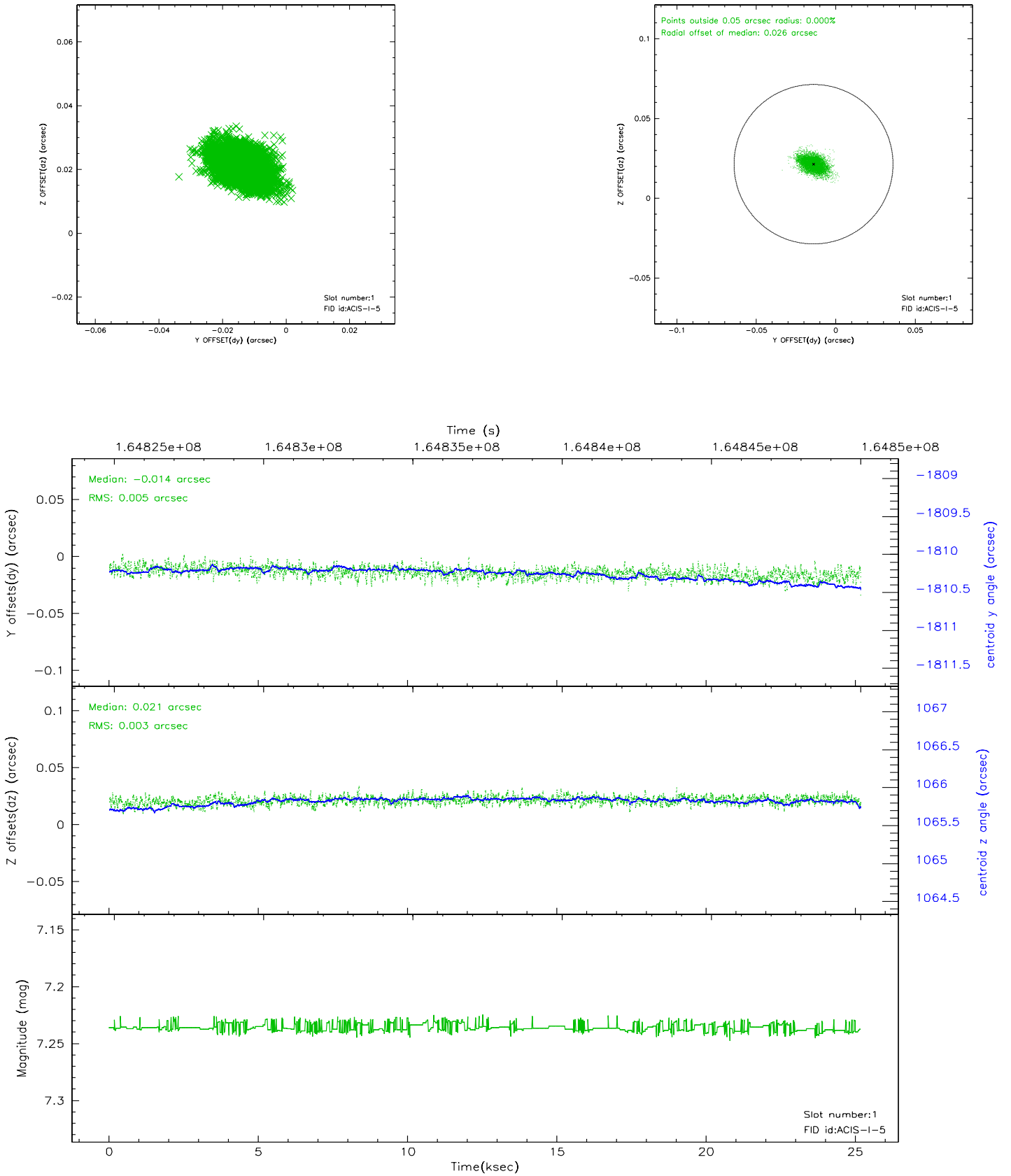


## 2.5 FID Slots

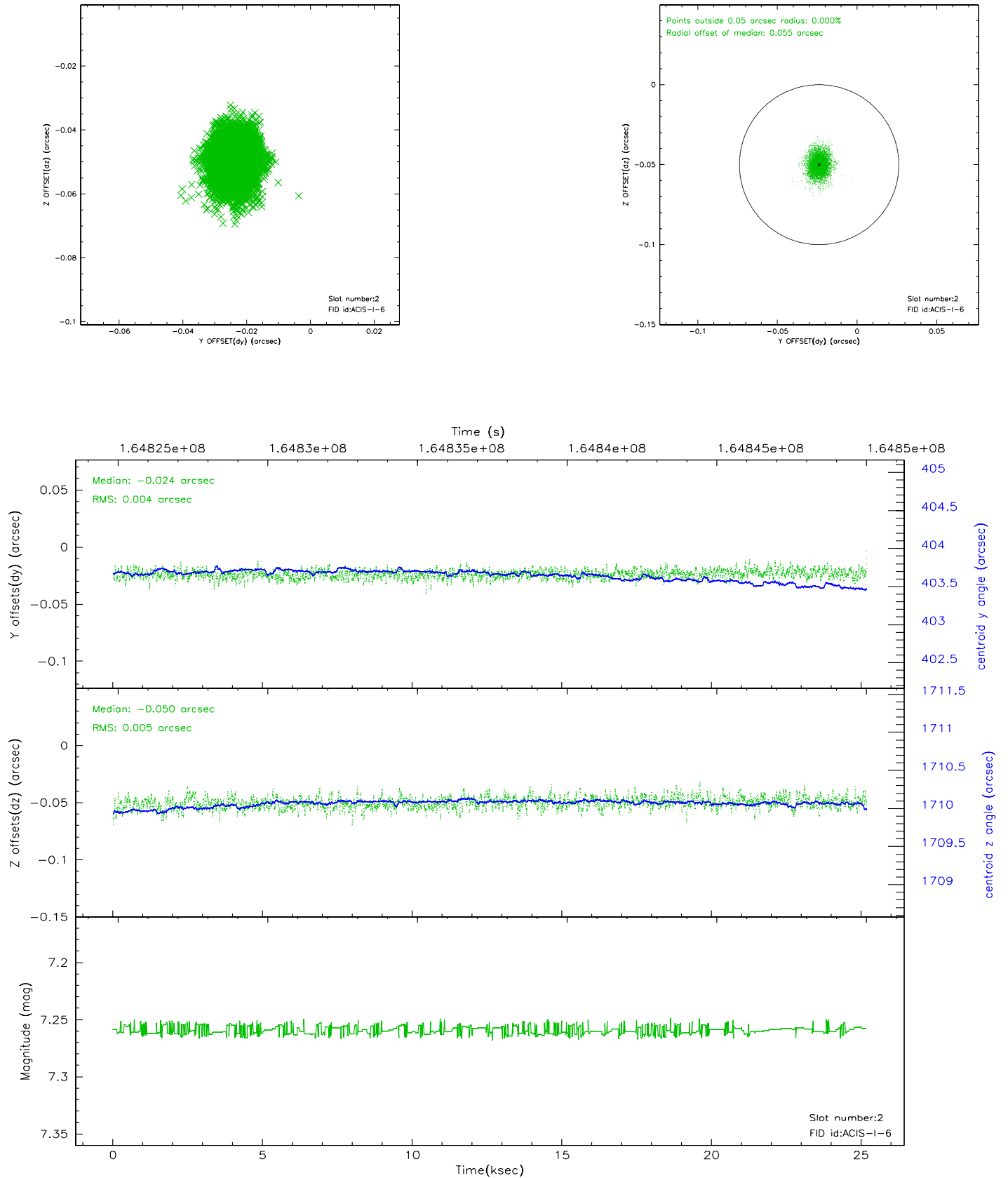
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.184

### A.2 Comments