

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4902 - L2 Version 001  
Chandra X-Ray Center

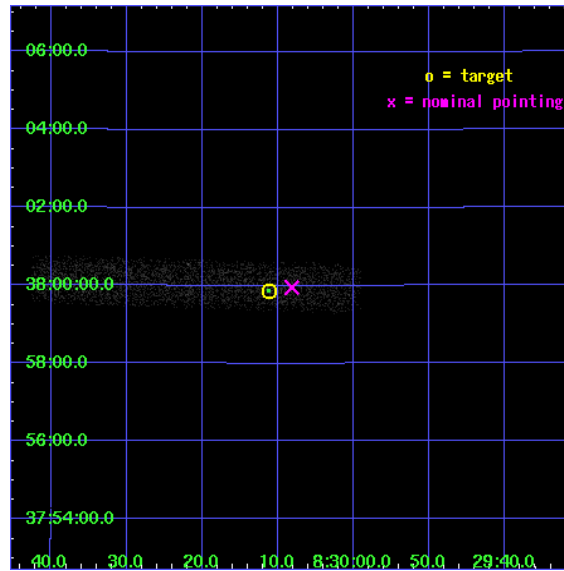
L2 Processing Date : Jun 7 2006

## 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

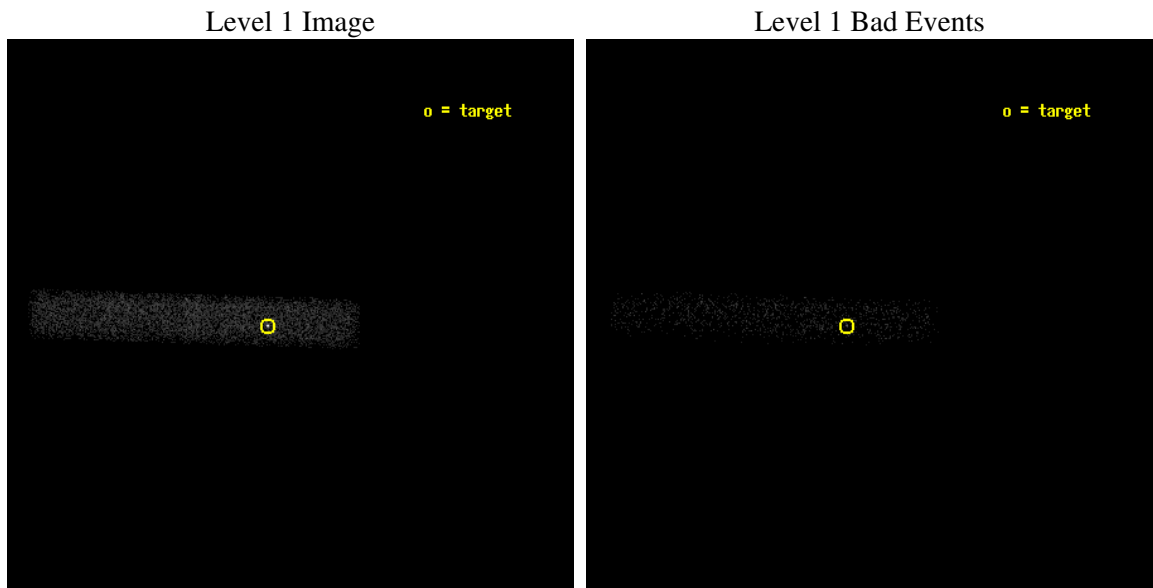
seq_num	700983
obs_id	4902
title	The X-ray Spectra of Red Quasars
observer	Dr Mark Lacy
object	FTM 0830+3759
dtcycle	0
cycle	P
ra_targ	127.54625
dec_targ	37.99775
ra_nom	127.53409672022
dec_nom	37.999135698462
roll_nom	181.86768794022
revision	2
ontime	10146.800151199
livetime	9202.6121451108
ontime7	10146.800151199
l2events	5316



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-07T04:08:44
revision	2

sched_exp_time	10000.000000
ontime	11092.912274271
ontime7	11092.912274271
l1events	12294

### 2.1.4 Events

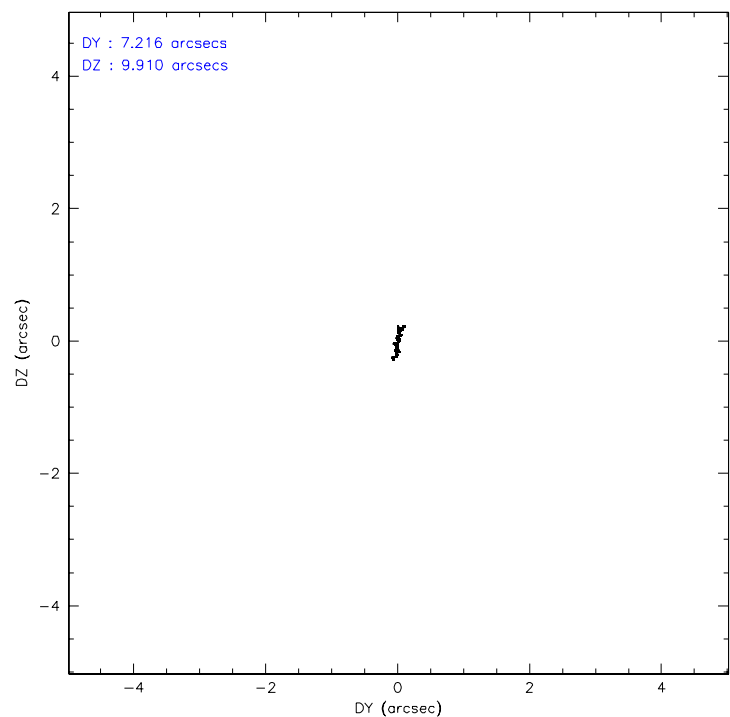
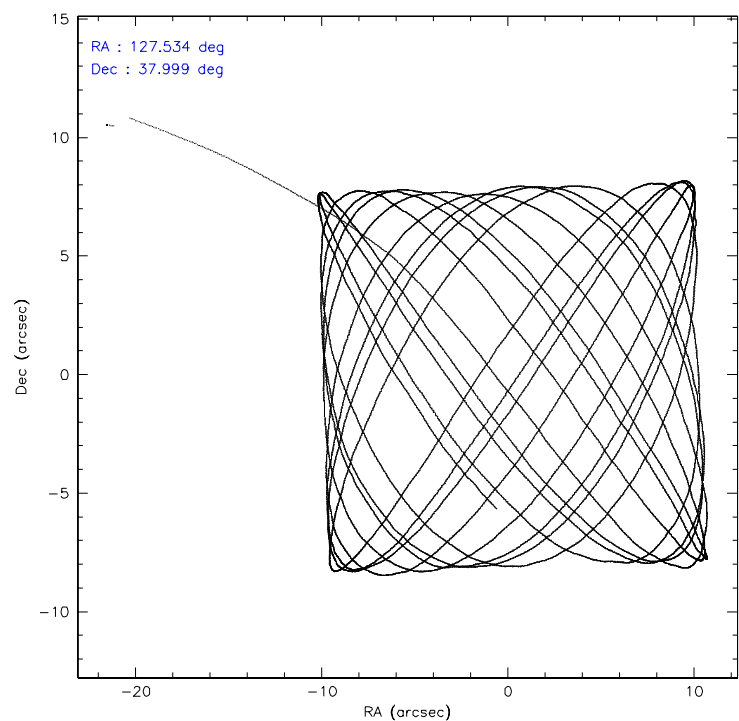
	<b>ccd 7</b>
level 1 events	12294
rejected events	6776
rejected %	55%

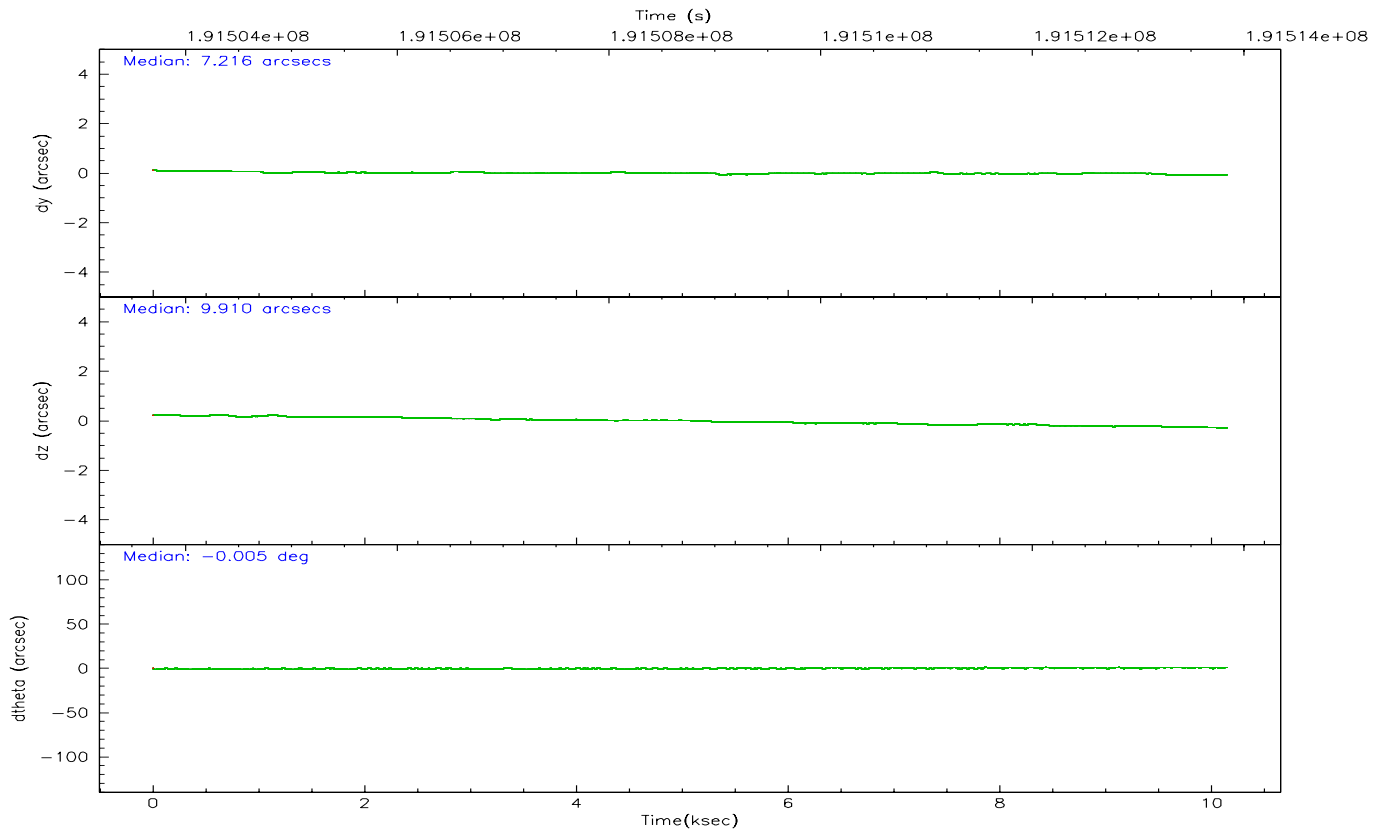
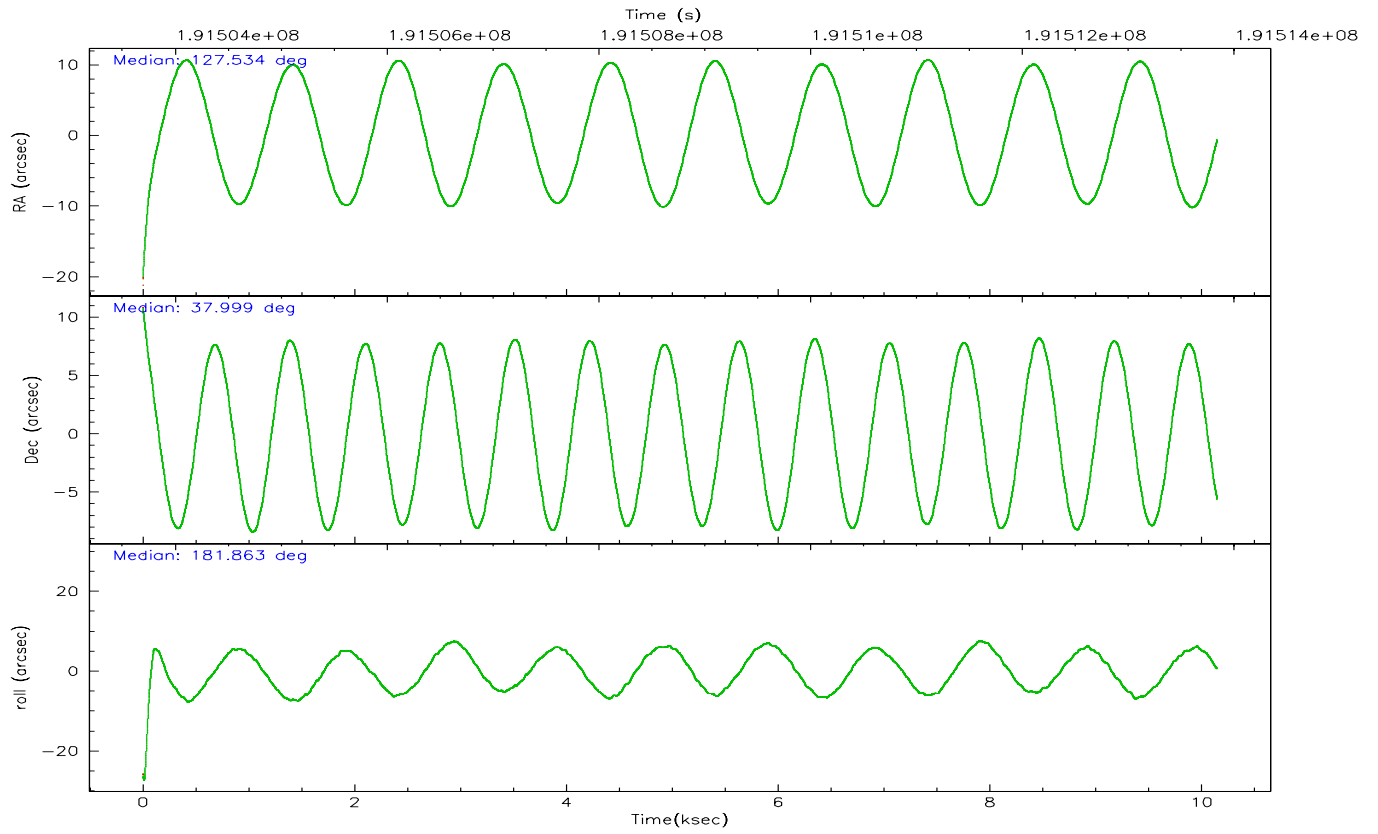
	<b>ccd 7</b>
grade 0 events	655
	5%
grade 1 events	9
	0%
grade 2 events	1364
	11%
grade 3 events	636
	5%
grade 4 events	597
	4%
grade 5 events	832
	6%
grade 6 events	2667
	21%
grade 7 events	5534
	45%

## 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	127.563213	127.5340967202209	Subarray start row	0	449
Pointing Dec	38.013814	37.99913569846248	Subarray row count	1024	128
Pointing Roll	181.693184	181.8676879402221	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	191503846.184000	191502754.45633			
Observation start date	2004-01-26T11:29:42	2004-01-26T11:12:34			
Observation end time	191513846.184000	191514698.26935			
Observation end date	2004-01-26T14:16:22	2004-01-26T14:31:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect





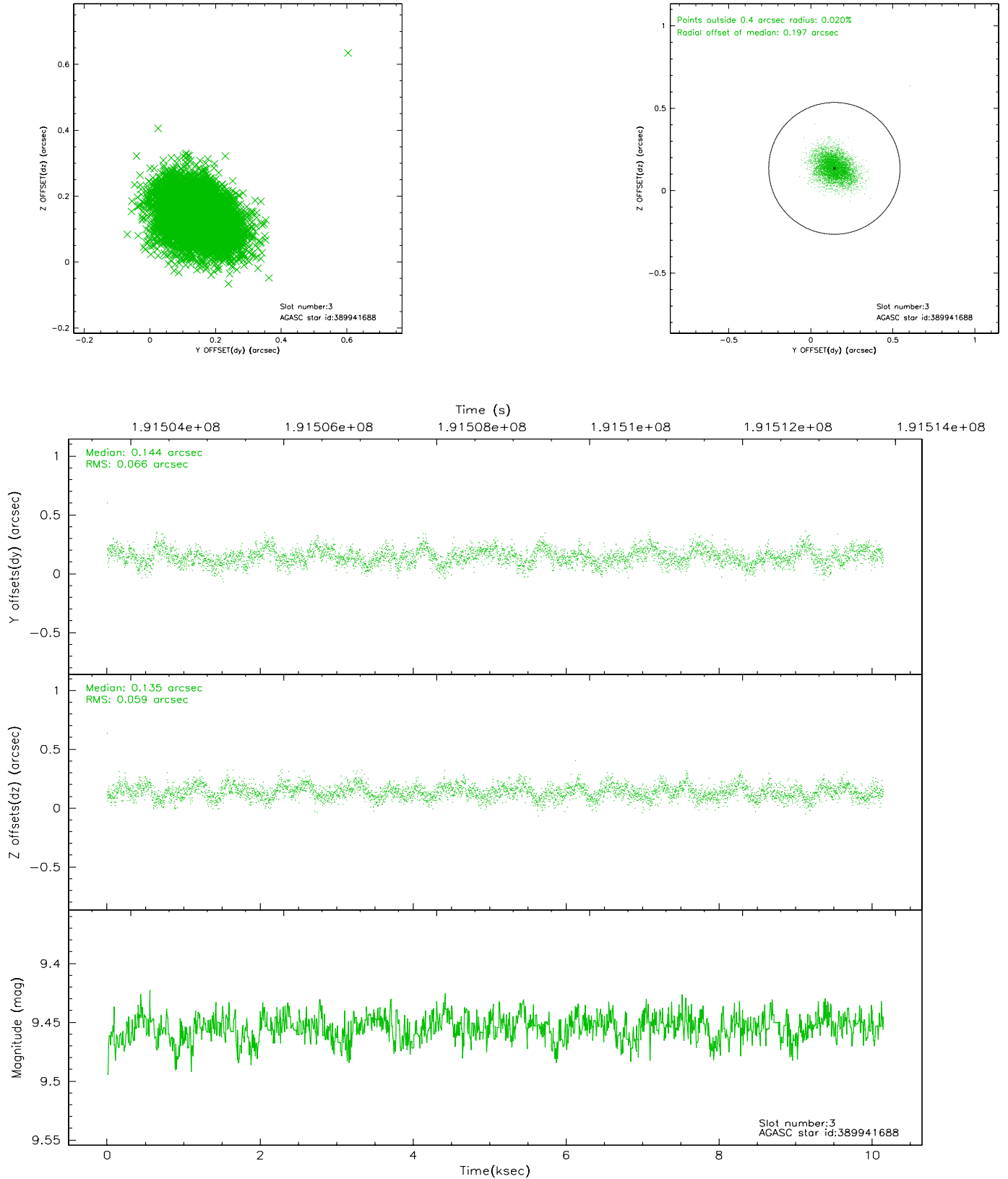
### Slot Statistics

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	2476	-0.030	0.008	0.008	0.013	0.000000	0.000000	-759.97	-1731.14
1	FID	ACIS-S-4	7.20	2476	0.027	0.012	0.005	0.009	0.000000	0.000000	2153.09	176.86
2	FID	ACIS-S-5	7.23	2476	-0.028	-0.012	0.007	0.012	0.000000	0.000000	-1812.18	171.03
3	GUIDE	389941688	9.45	4949	0.144	0.135	0.093	0.153	127.096763	38.100167	1311.74	-352.54
4	GUIDE	389943192	8.41	4950	-0.110	0.028	0.063	0.100	127.620263	38.598604	-222.33	-2099.37
5	GUIDE	389944848	8.16	4951	-0.108	-0.111	0.059	0.095	126.949244	37.500847	1806.91	1788.28
6	GUIDE	389948112	8.02	4951	0.048	-0.029	0.048	0.079	127.973824	37.693433	-1134.87	1185.43
7	GUIDE	389947560	8.01	4949	0.030	-0.023	0.055	0.091	128.370020	37.895863	-2278.88	482.79

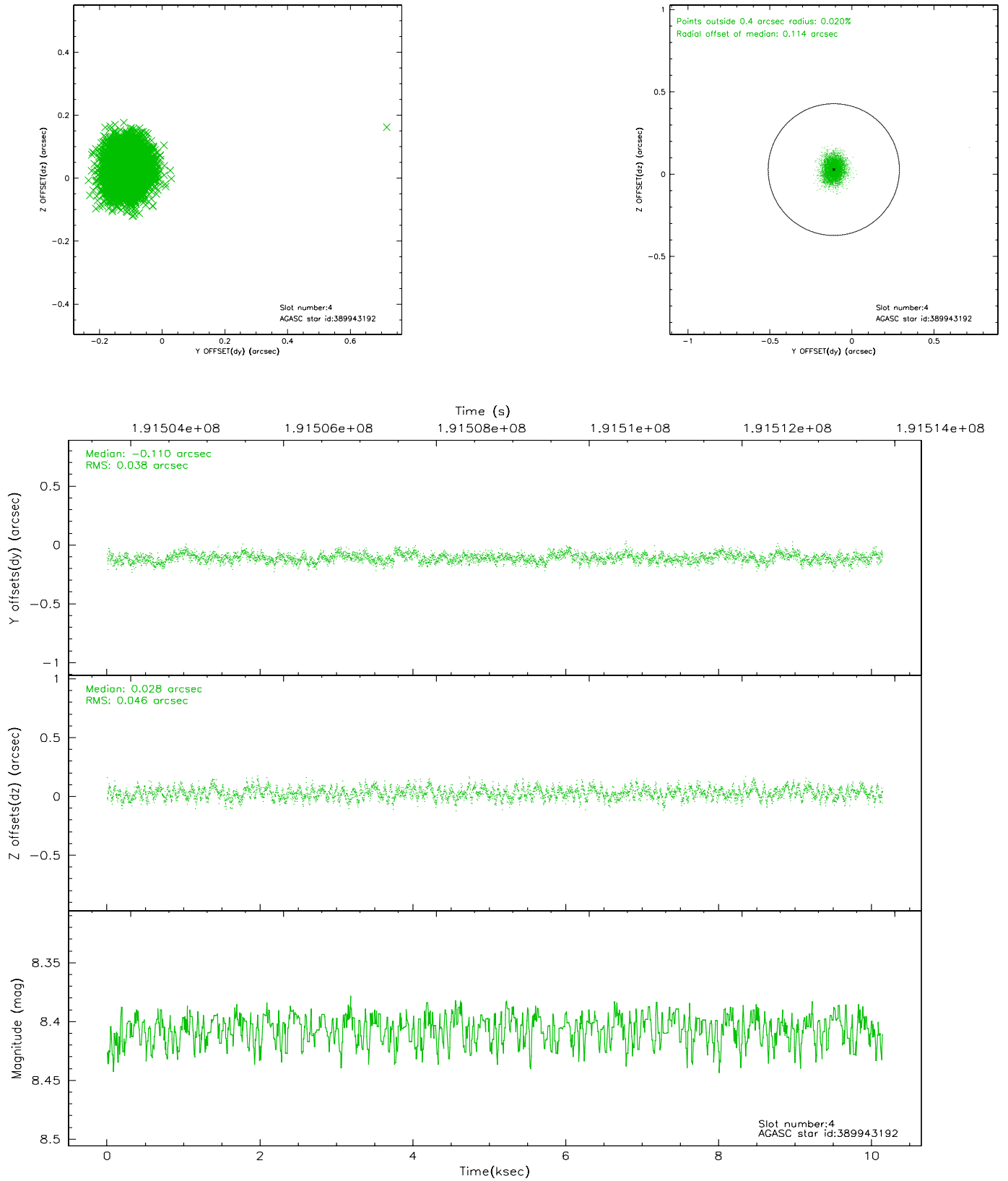


## 2.4 Star Slots

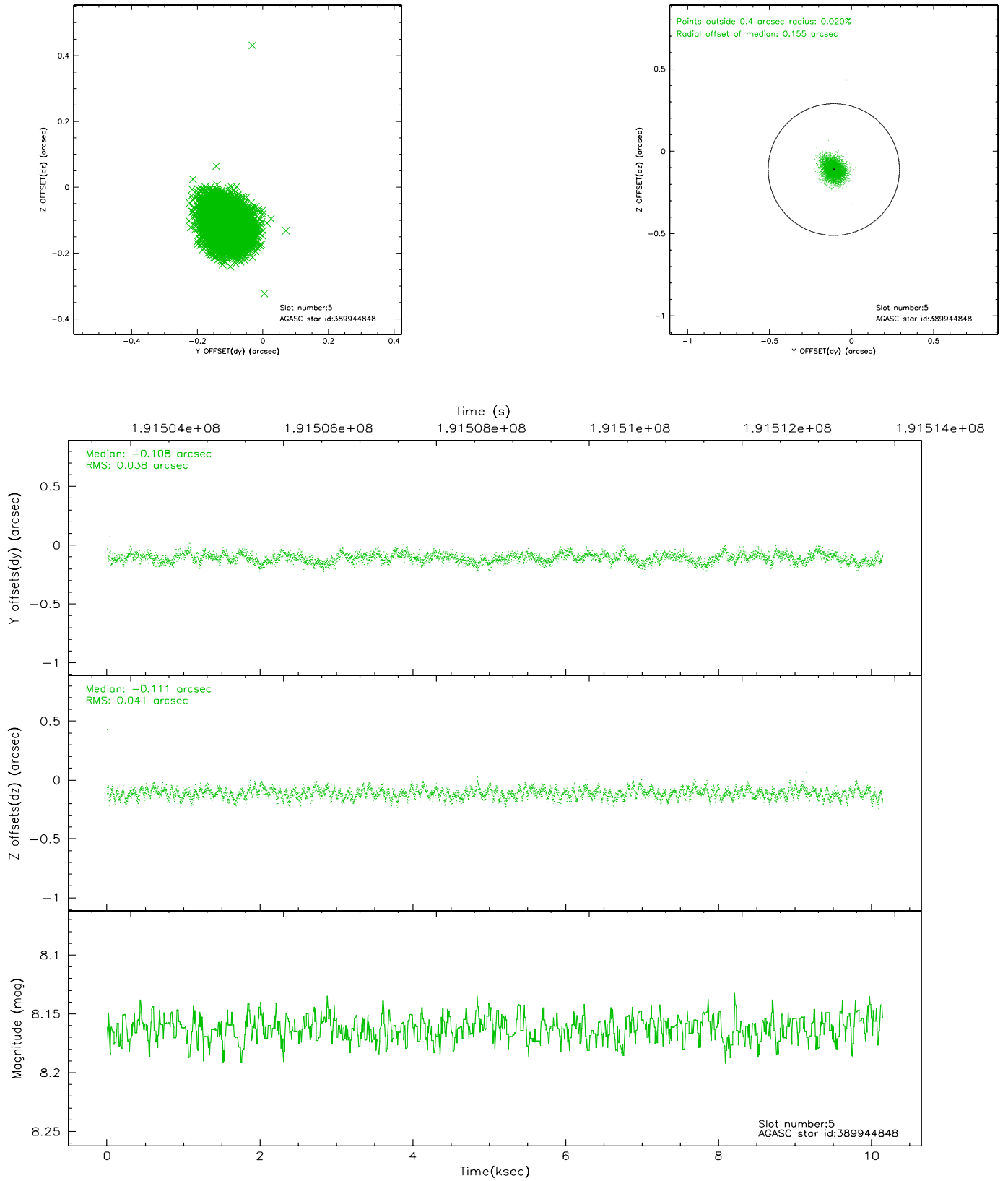
### 2.4.1 Slot 3



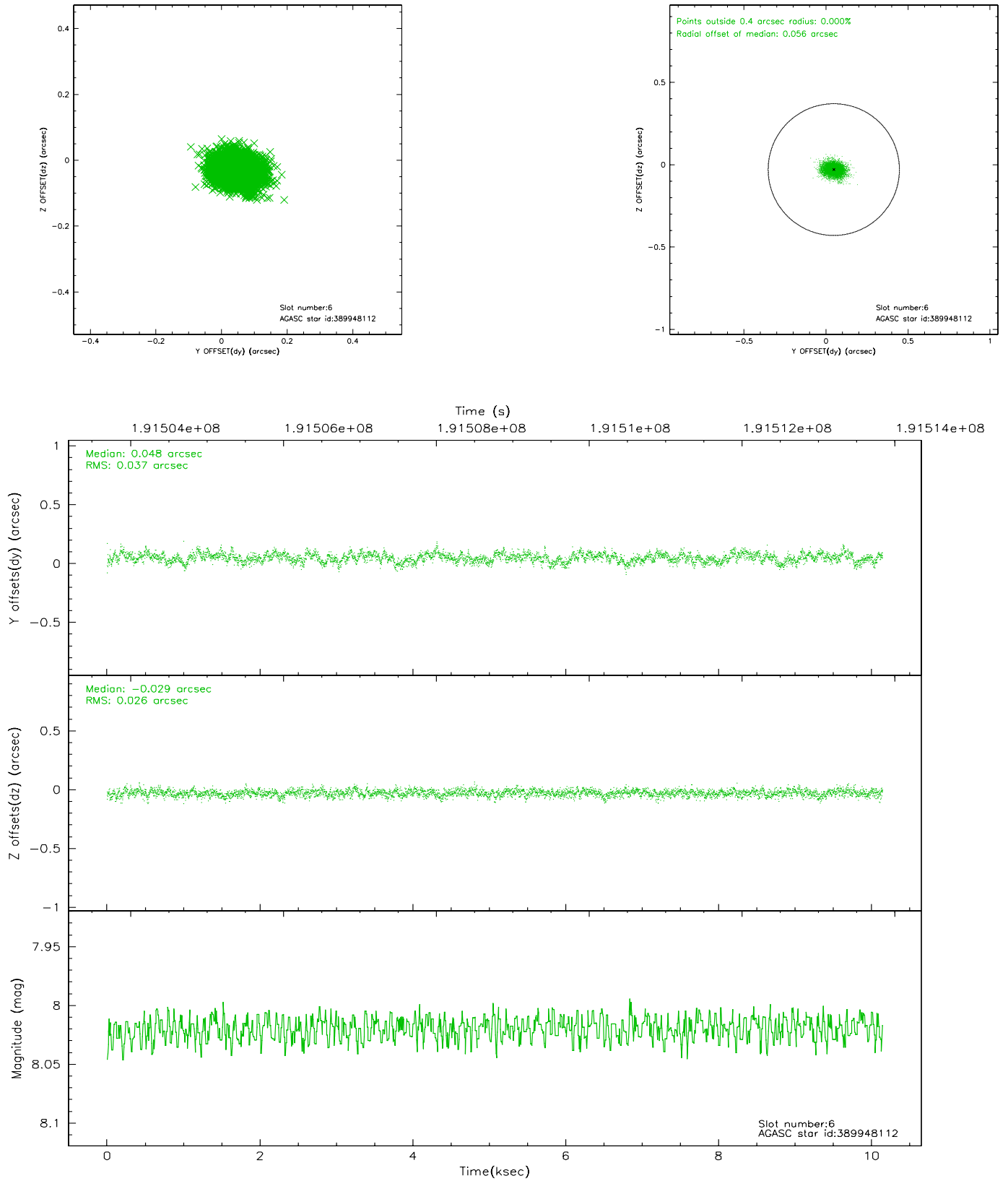
## 2.4.2 Slot 4



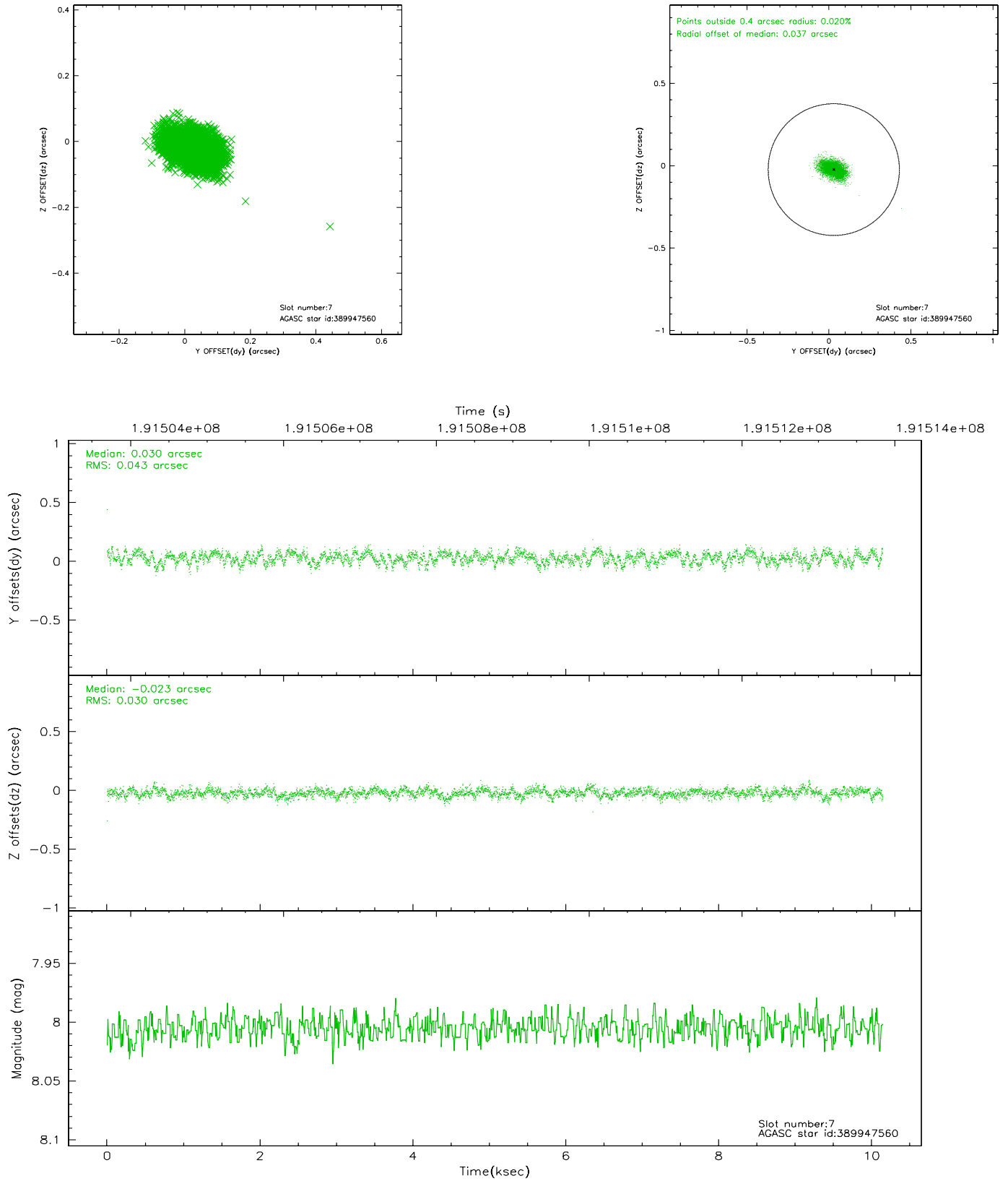
### 2.4.3 Slot 5



## 2.4.4 Slot 6

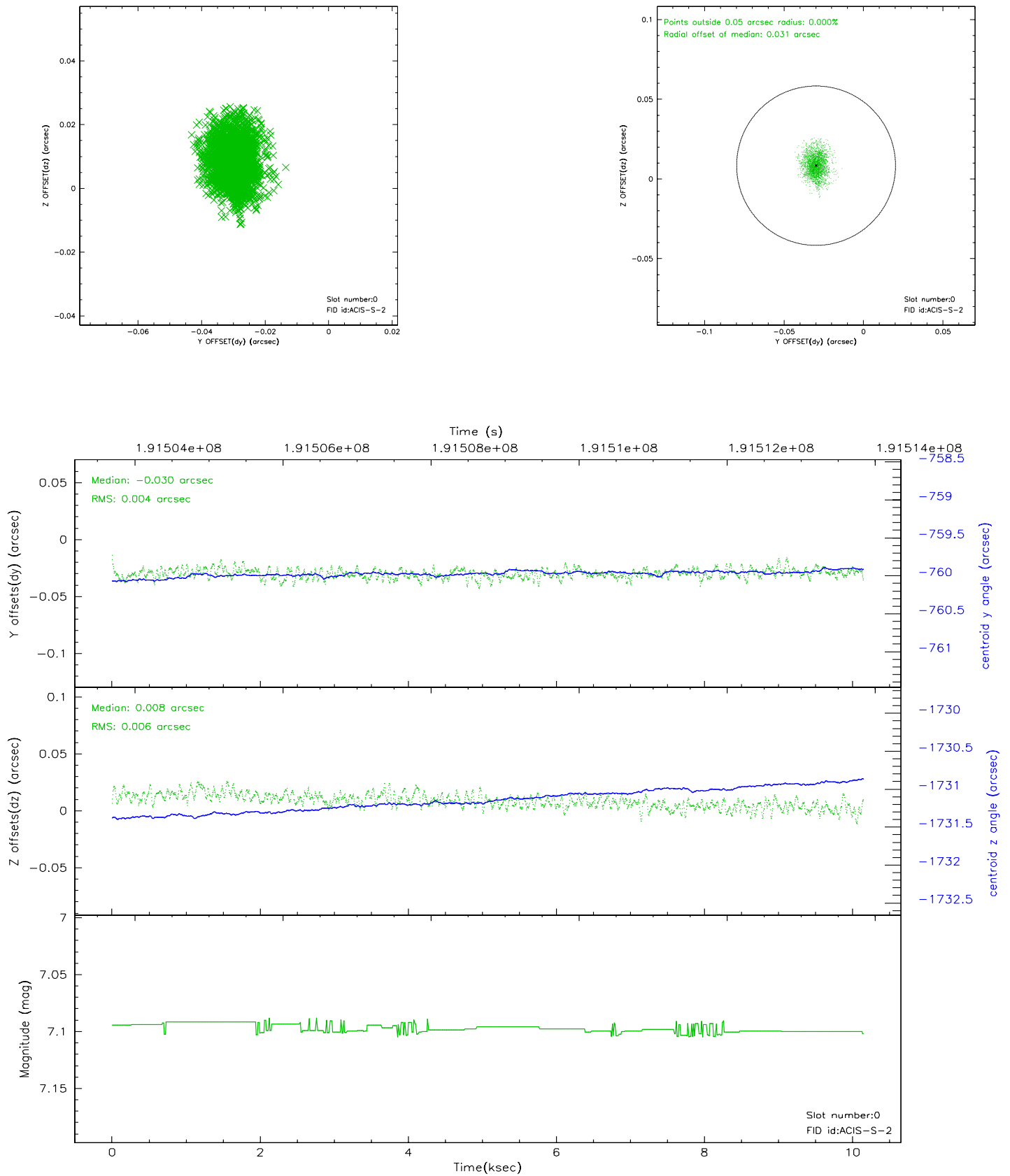


## 2.4.5 Slot 7

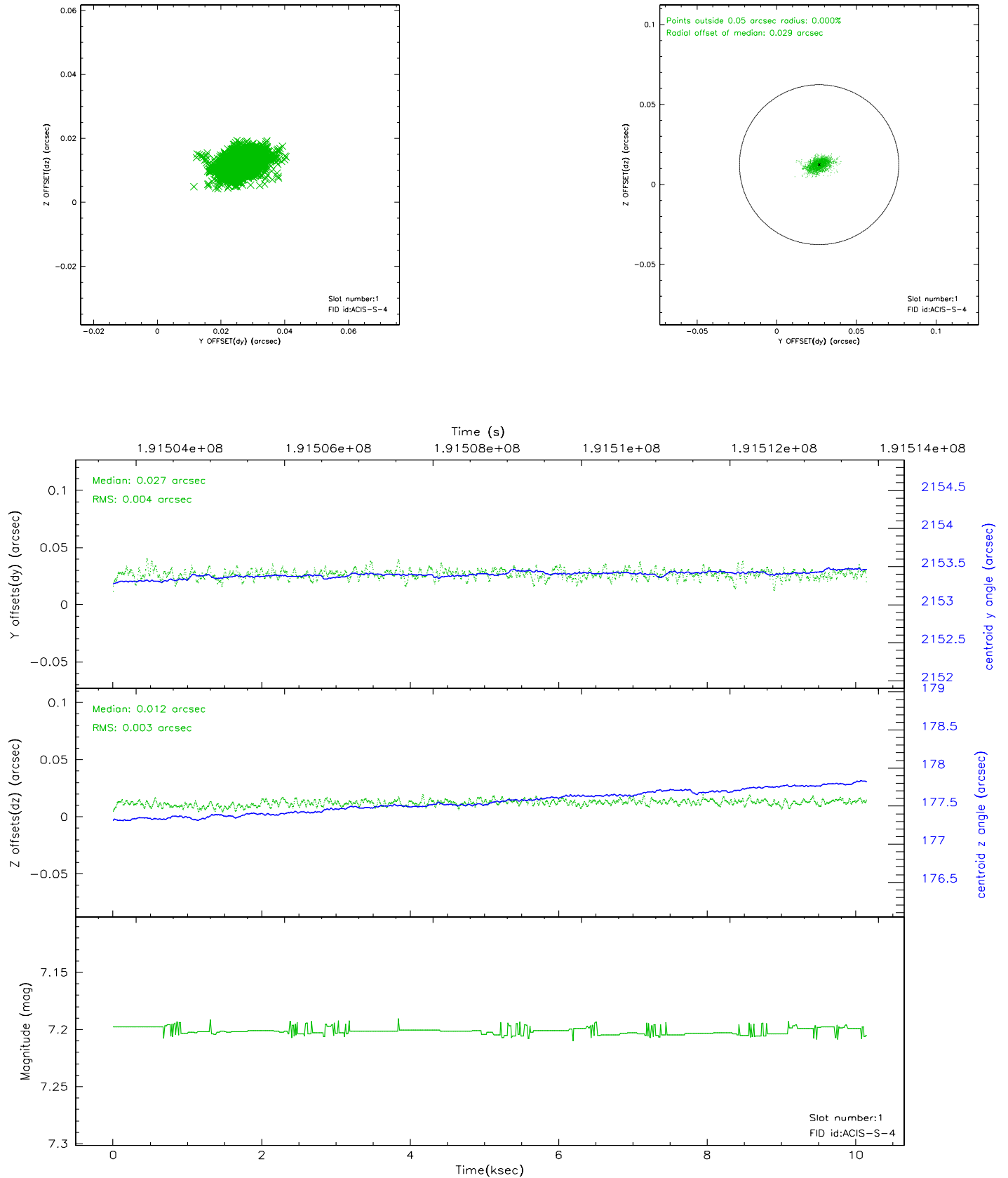


## 2.5 FID Slots

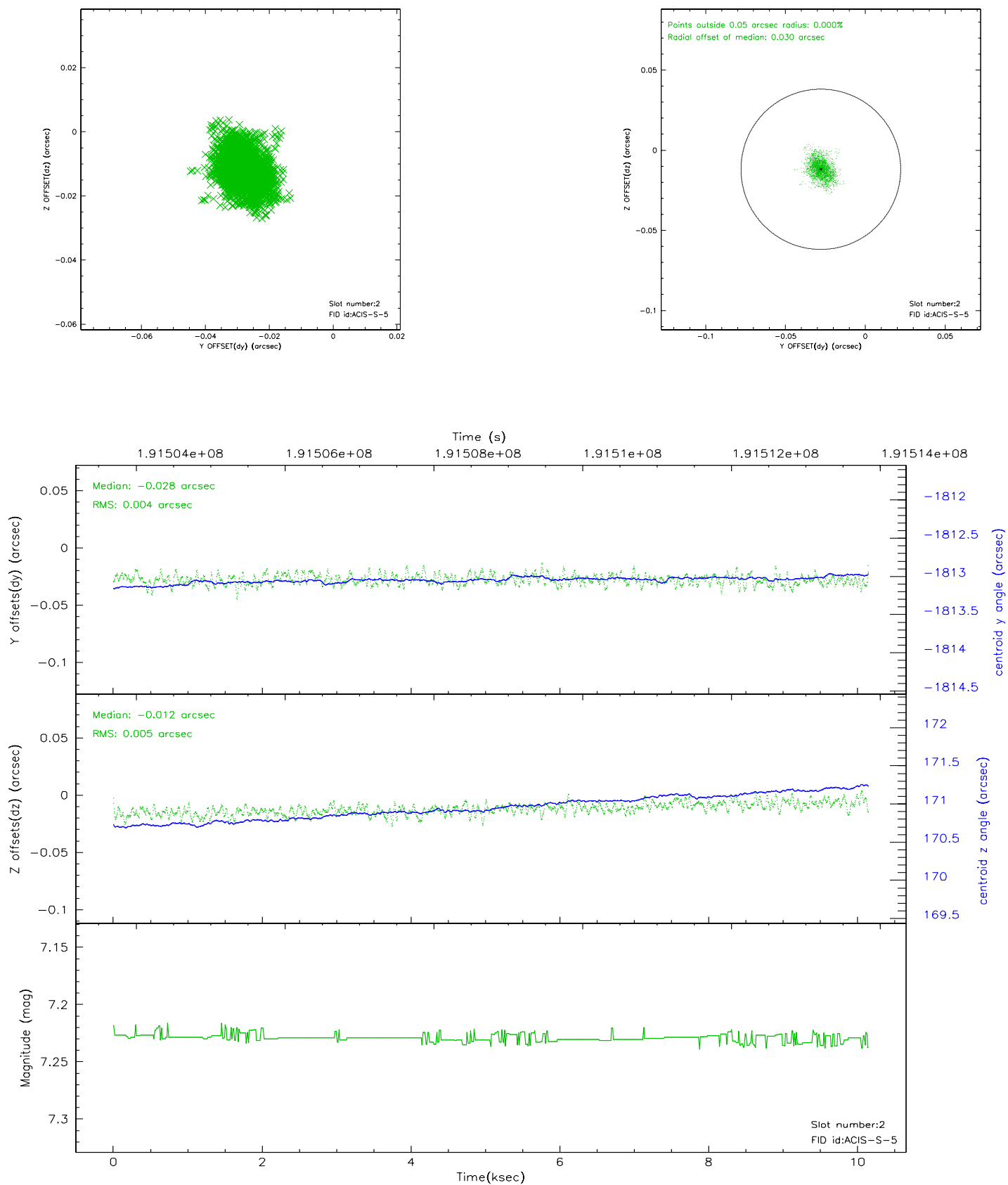
### 2.5.1 Slot 0



## 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)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.146

### A.2 Comments