

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5730 - L2 Version 002  
Chandra X-Ray Center

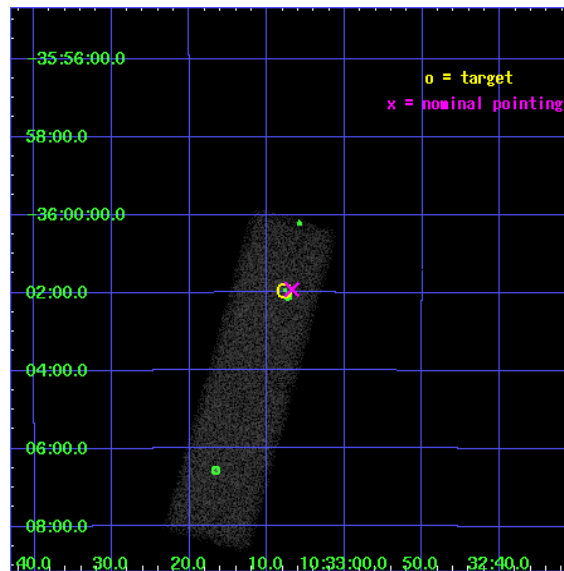
L2 Processing Date : Apr 2 2006

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# 1 Front

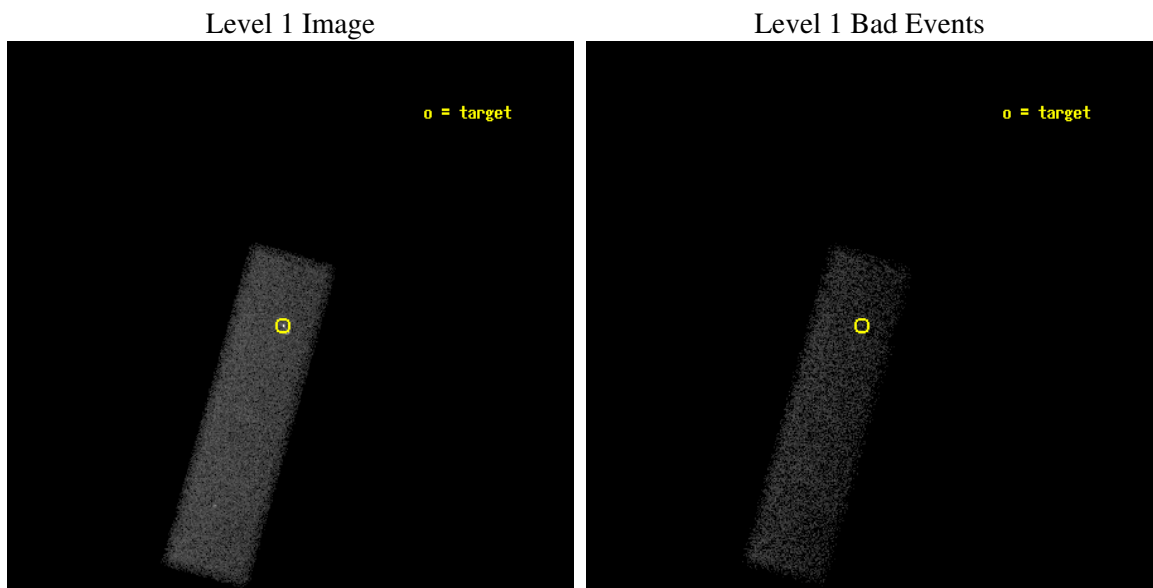
seq_num	701152
obs_id	5730
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey
observer	Dr. Jonathan Gelbord
object	PKS 1030-357
dtcycle	0
cycle	P
ra_targ	158.282083
dec_targ	-36.032472
ra_nom	158.27838415754
dec_nom	-36.032034534278
roll_nom	105.80661400613
revision	2
ontime	30044.800447702
livetime	28578.712496626
ontime7	30044.800447702
l2events	35256



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-02T17:07:18
revision	2

sched_exp_time	29938.524000
ontime	31209.789028257
ontime7	31209.789028257
l1events	84762

### 2.1.4 Events

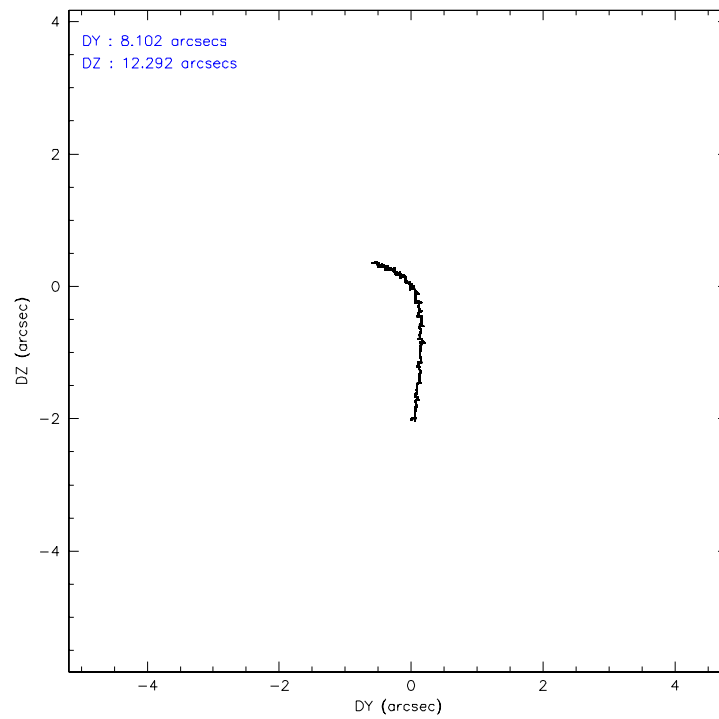
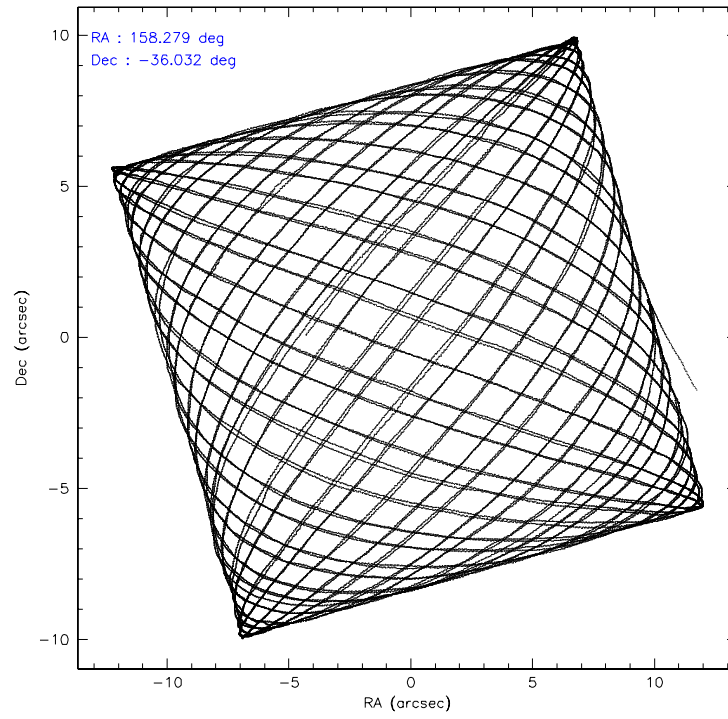
	<b>ccd 7</b>
level 1 events	84762
rejected events	48652
rejected %	57%

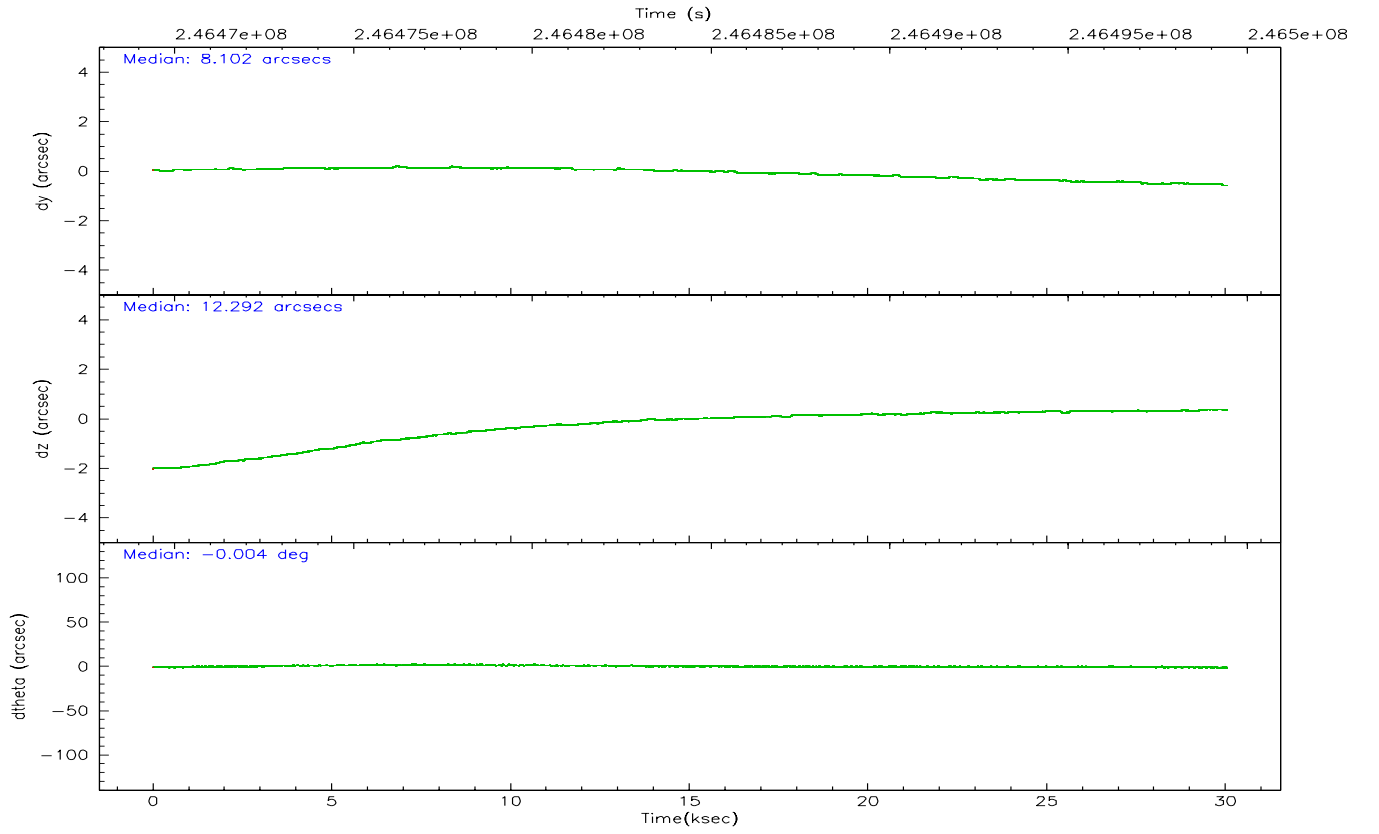
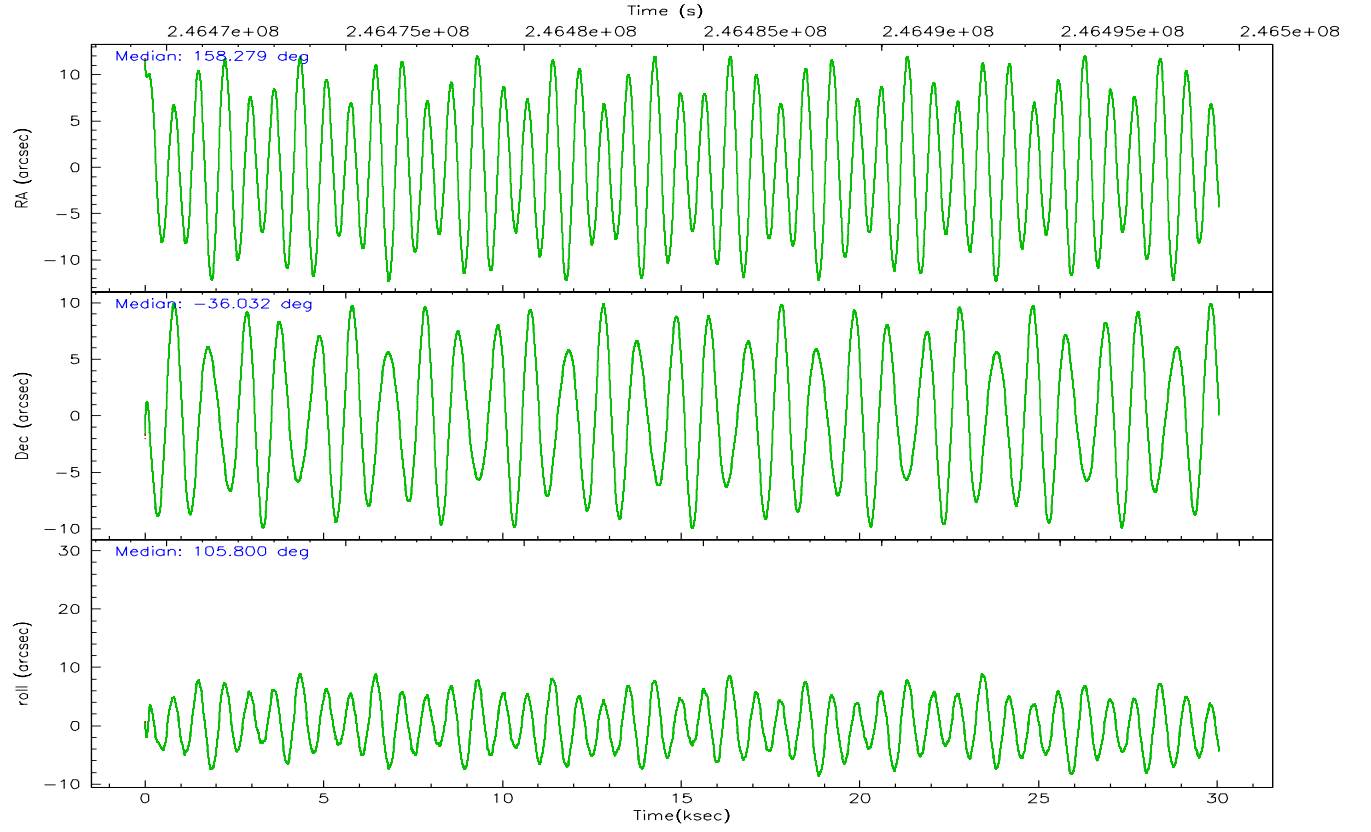
	<b>ccd 7</b>
grade 0 events	3019
	3%
grade 1 events	82
	0%
grade 2 events	8042
	9%
grade 3 events	3478
	4%
grade 4 events	3329
	3%
grade 5 events	6461
	7%
grade 6 events	19465
	22%
grade 7 events	40886
	48%

## 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	CUSTOM	1/4
Pointing RA	158.302831	158.2783841575438	Subarray start row	1	1
Pointing Dec	-36.050739	-36.03203453427827	Subarray row count	256	256
Pointing Roll	105.664378	105.8066140061277	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.8
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-179.932523	-179.9244029796336			
SIM translation stage offset (mm)	-10.2	-10.2081196033742			
Observation start time	246469504.184000	246468233.30157			
Observation start date	2005-10-23T15:44:00	2005-10-23T15:23:53			
Observation end time	246499443.184000	246499655.19051			
Observation end date	2005-10-24T00:02:59	2005-10-24T00:07:35			
Read mode	TIMED	TIMED			

## 2.3 Aspect





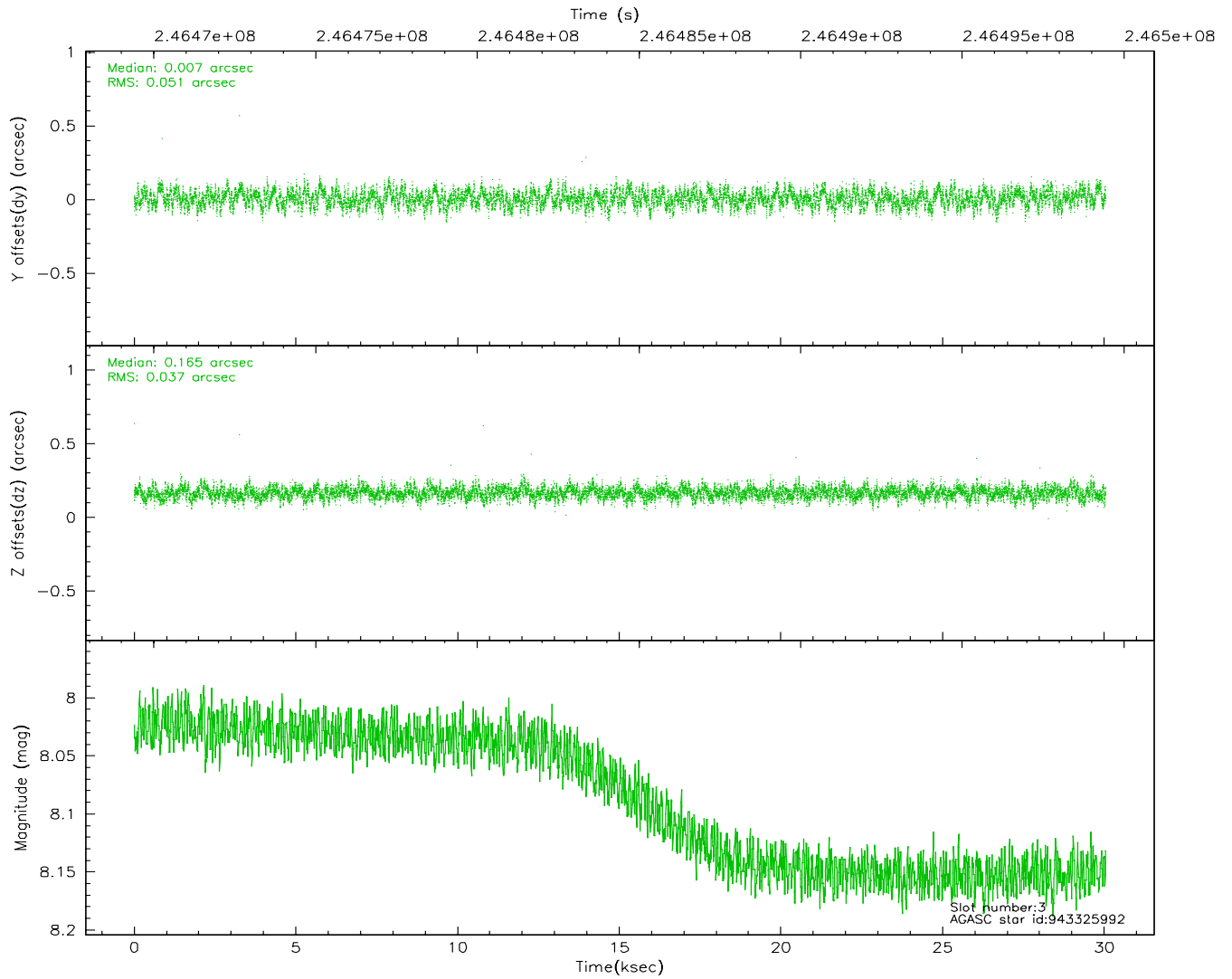
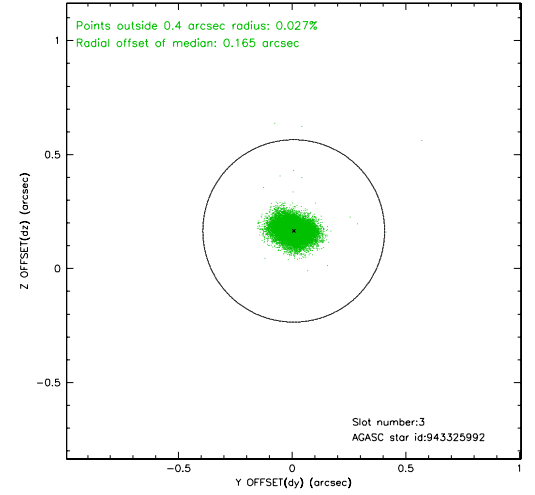
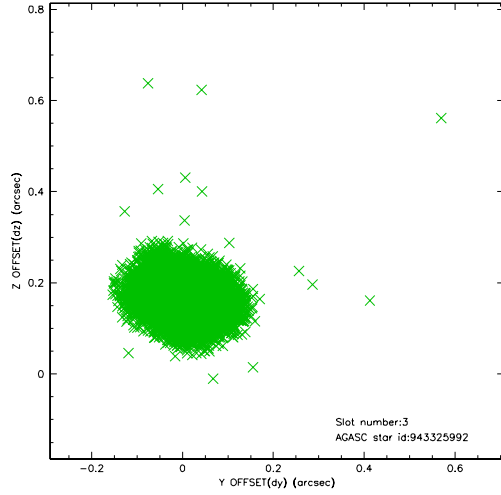
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.07	7329	-0.090	-0.371	0.025	0.040	0.000000	0.000000	-760.13	-1943.84
1	FID	ACIS-S-4	7.17	7329	0.074	0.141	0.014	0.025	0.000000	0.000000	2153.27	-34.96
2	FID	ACIS-S-5	7.23	7329	-0.018	0.238	0.024	0.032	0.000000	0.000000	-1812.81	-41.11
3	GUIDE	943325992	8.08	14656	0.007	0.165	0.067	0.106	158.372385	-36.065991	-107.32	-179.33
4	GUIDE	943334424	7.74	14658	-0.028	-0.090	0.066	0.101	158.168911	-36.456574	-1302.04	768.39
5	GUIDE	943337000	8.33	14656	-0.097	0.151	0.061	0.101	159.054920	-36.366983	-1692.89	-1789.32
6	GUIDE	943342224	8.36	14652	0.084	-0.072	0.053	0.086	158.218692	-36.637369	-1967.77	804.13
7	GUIDE	943331040	9.21	14649	0.031	-0.149	0.097	0.164	157.716739	-36.786172	-2098.71	2343.38

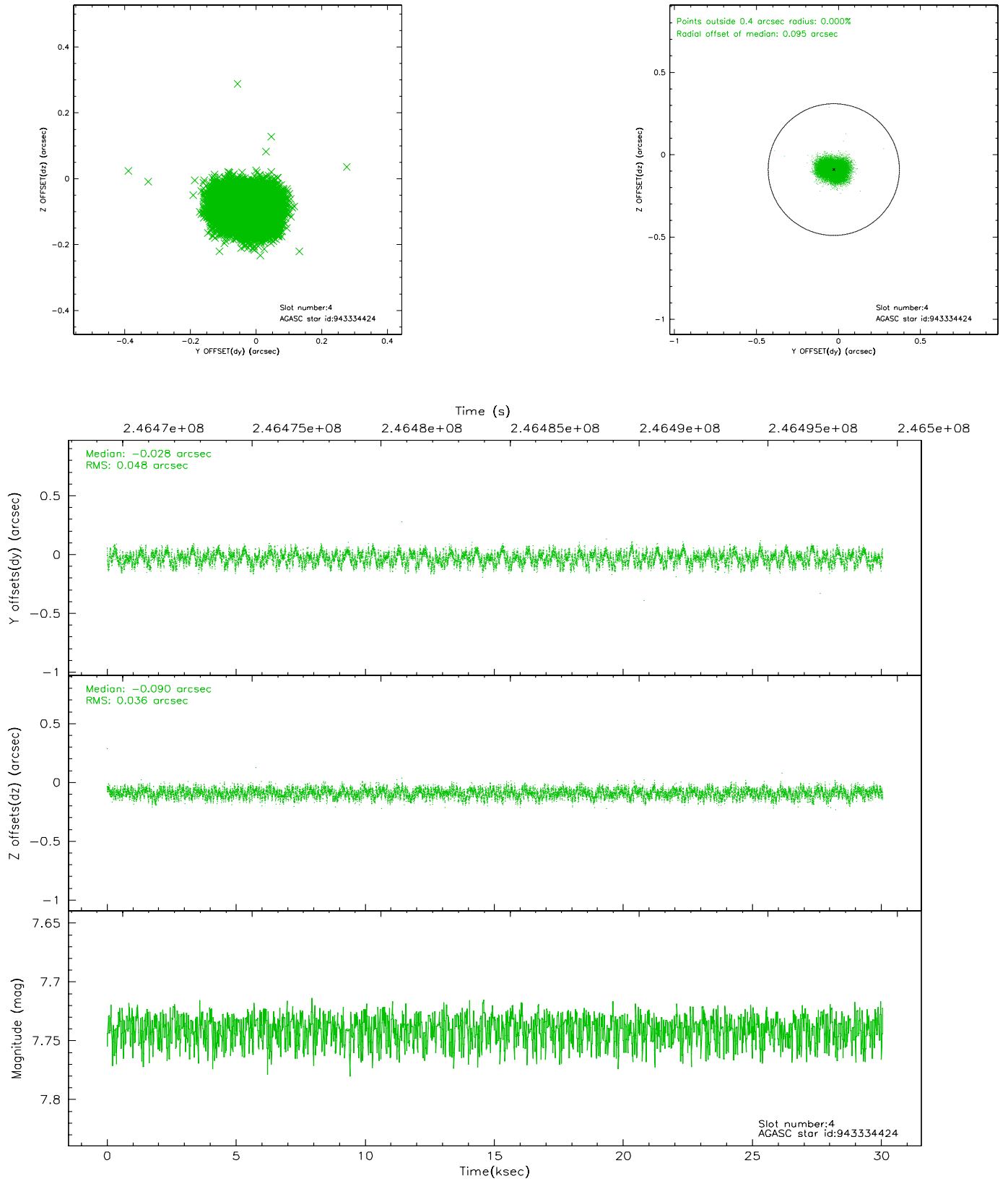


## 2.4 Star Slots

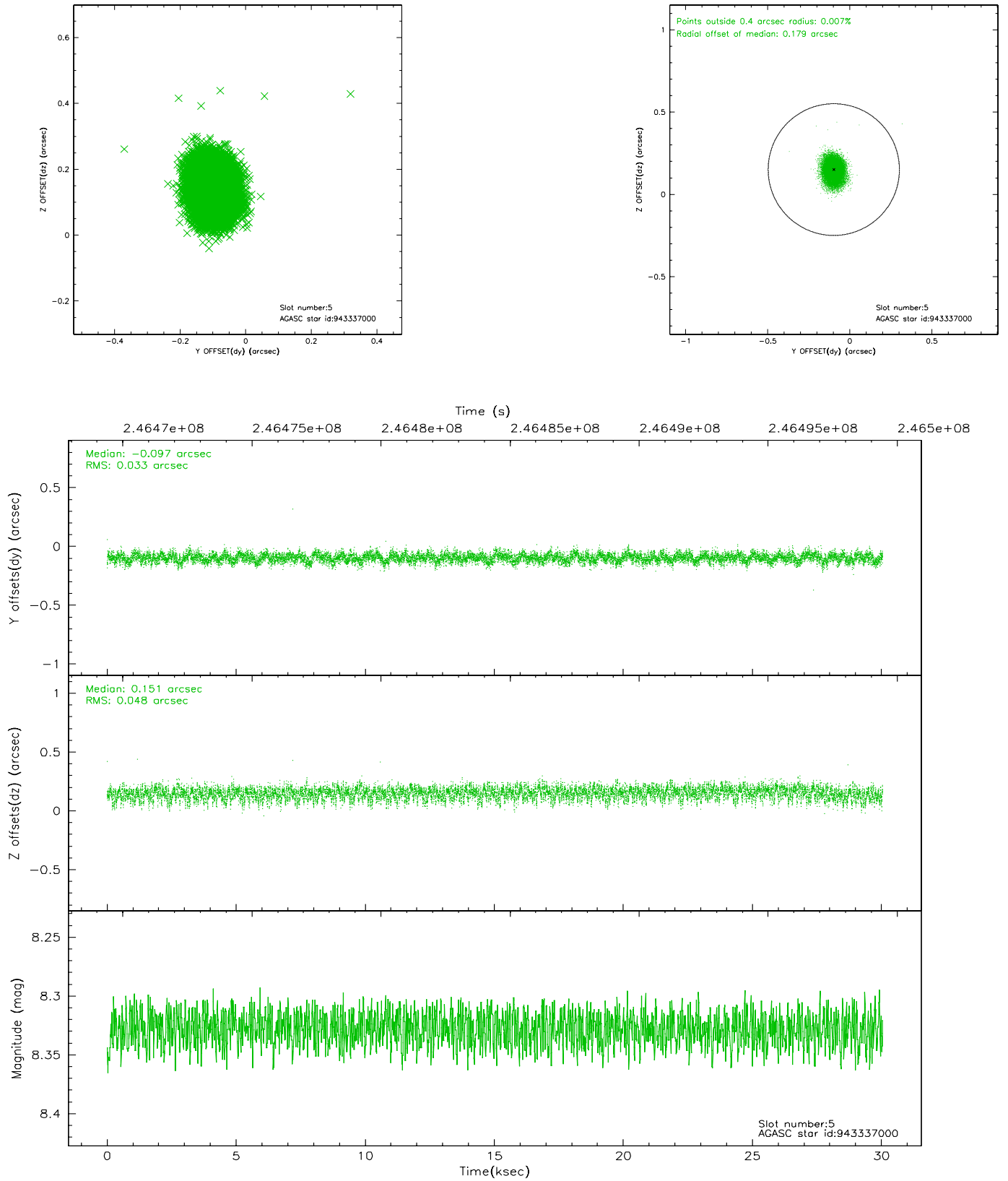
### 2.4.1 Slot 3



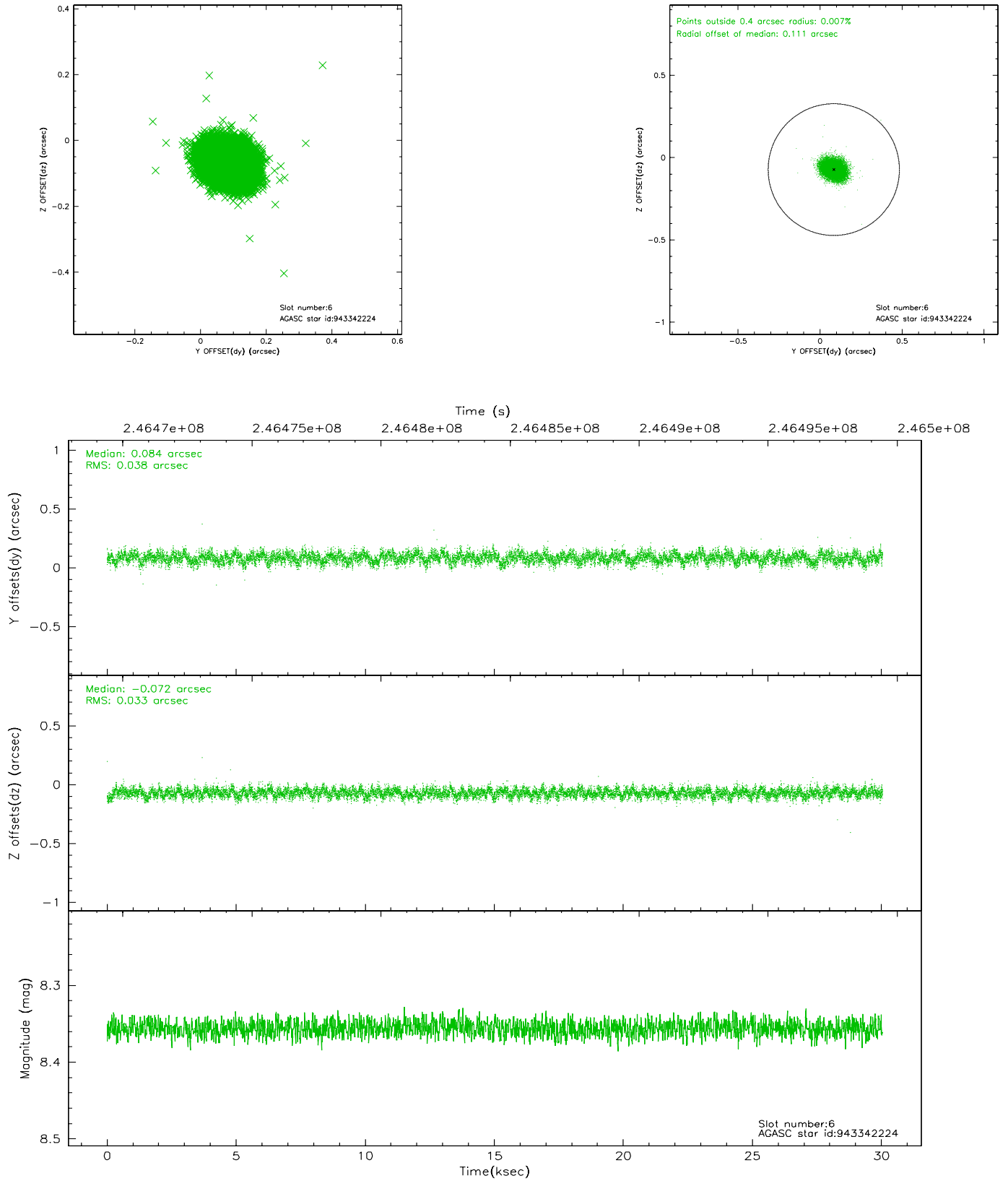
## 2.4.2 Slot 4



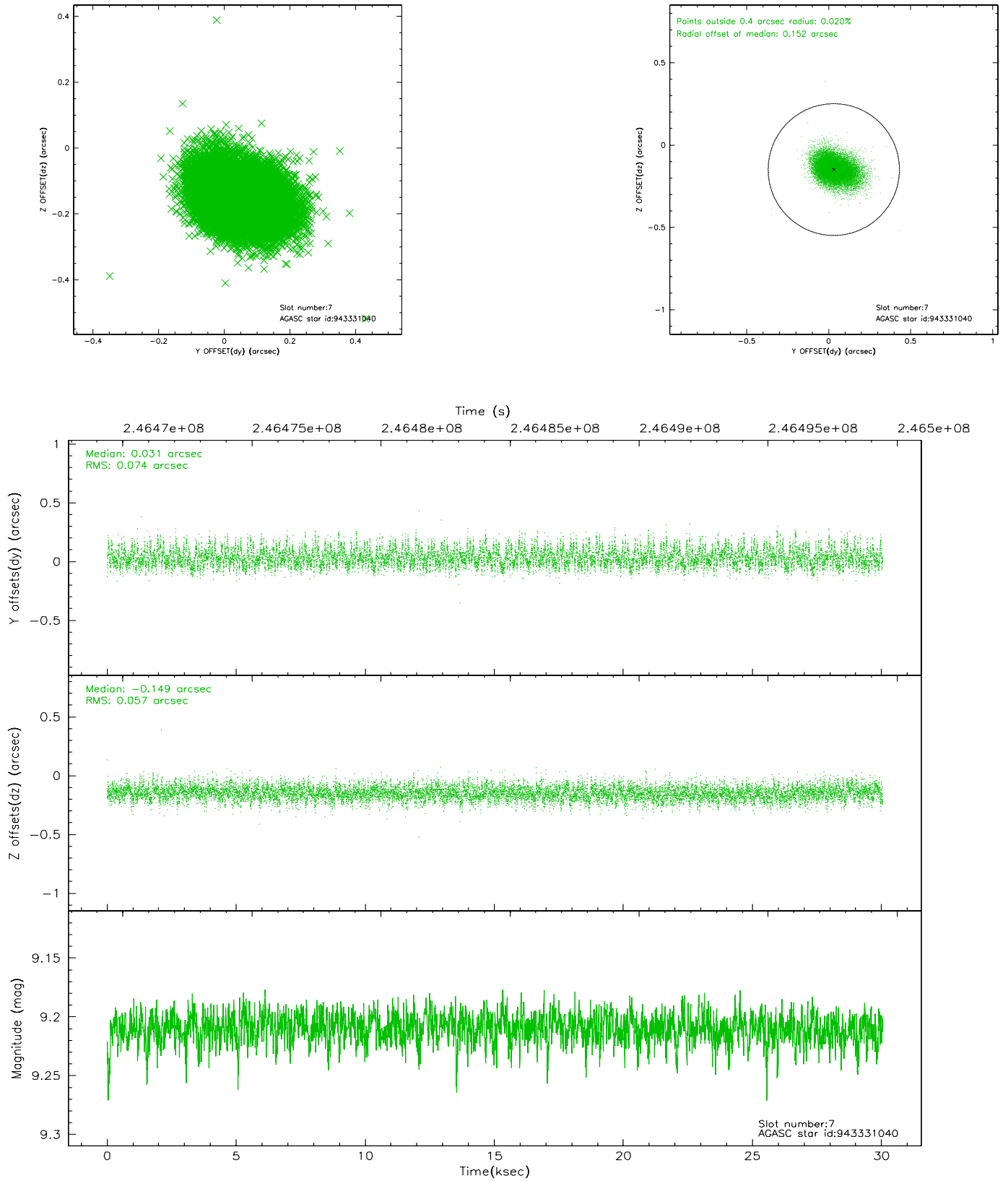
### 2.4.3 Slot 5



## 2.4.4 Slot 6

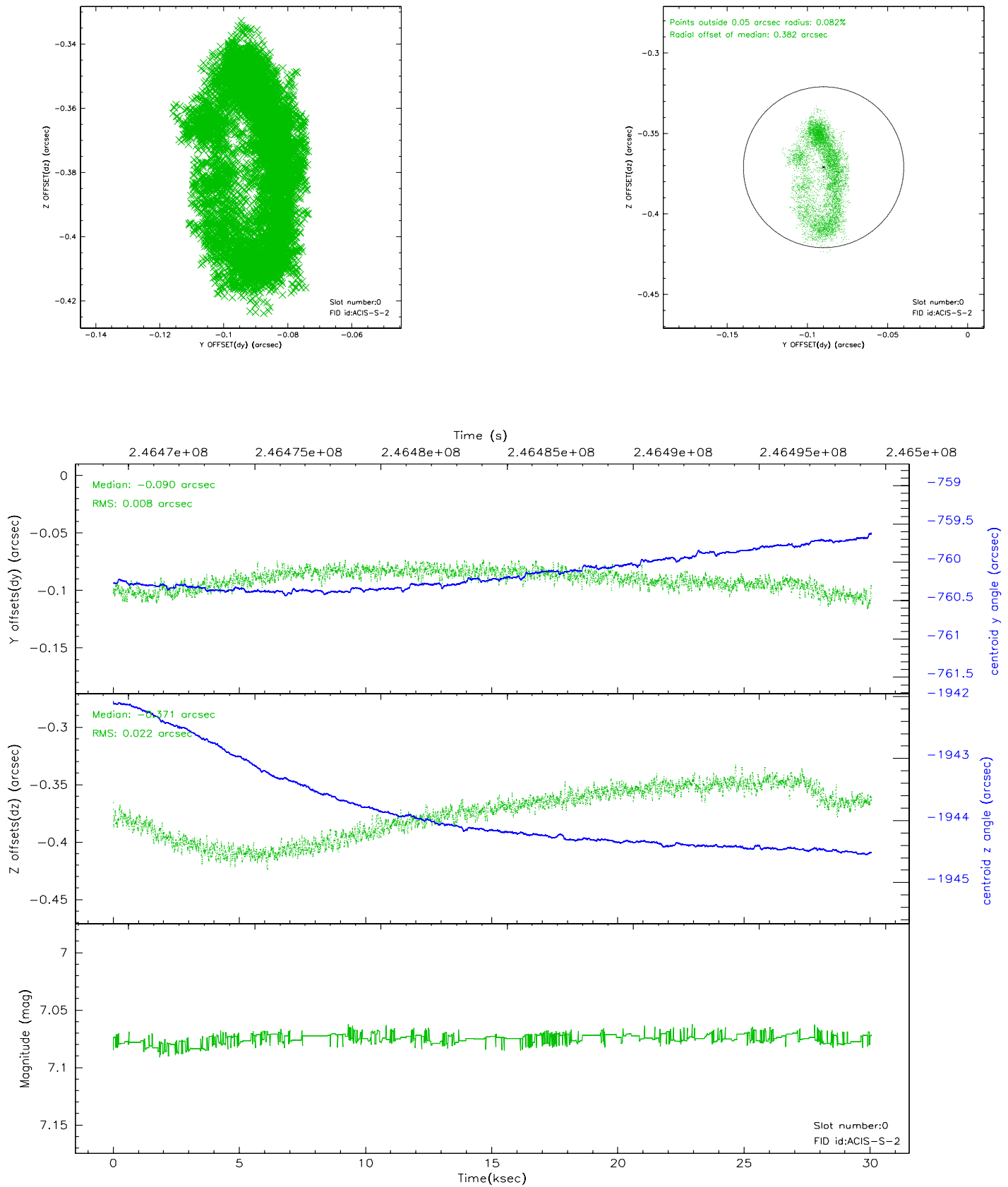


## 2.4.5 Slot 7

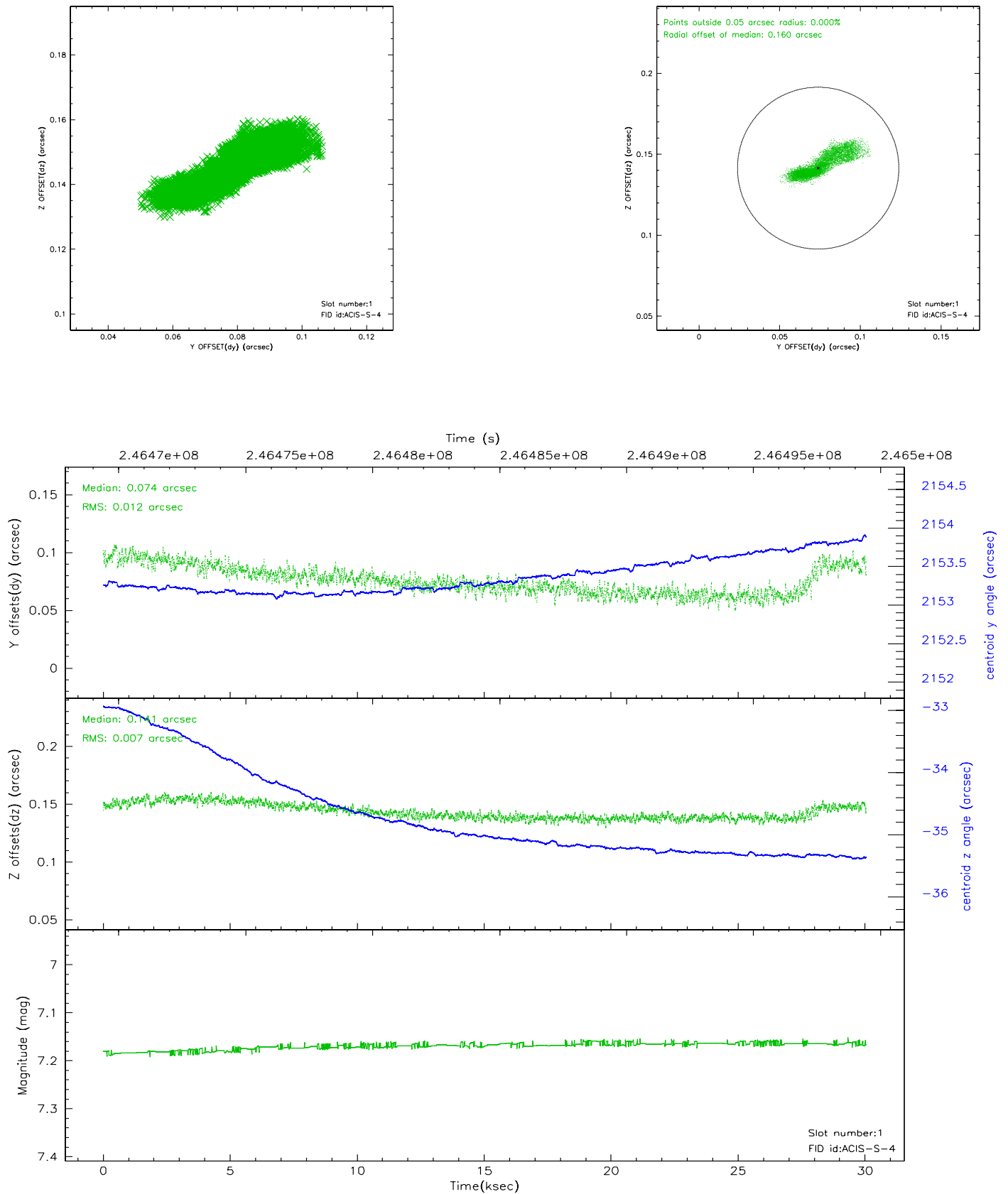


## 2.5 FID Slots

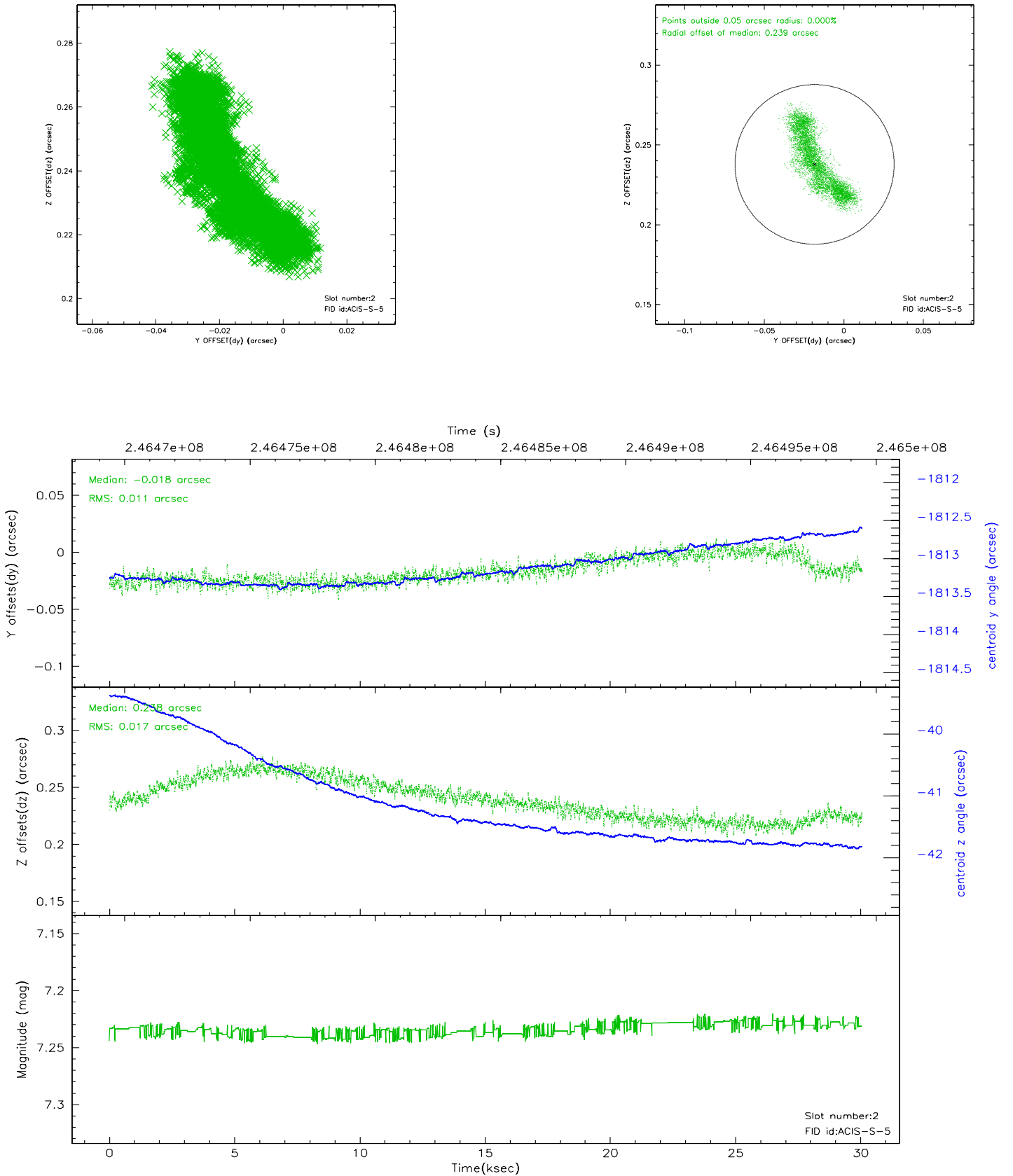
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

5.05 arcmin



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.0448

### A.2 Comments