

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6154 - L2 Version 002  
Chandra X-Ray Center

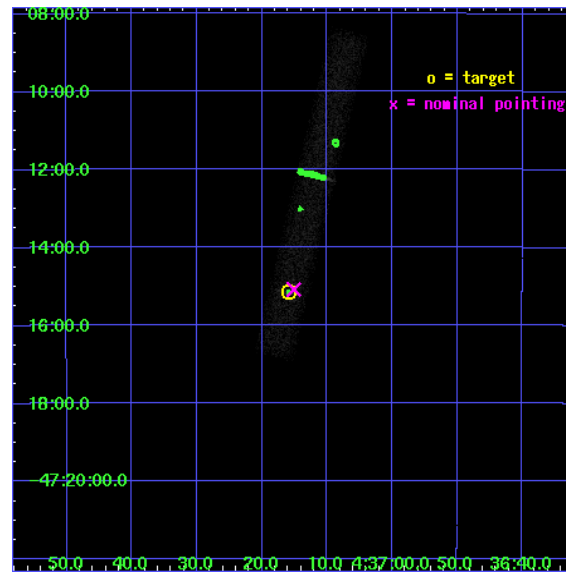
L2 Processing Date: Feb 23 2006

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# 1 Front

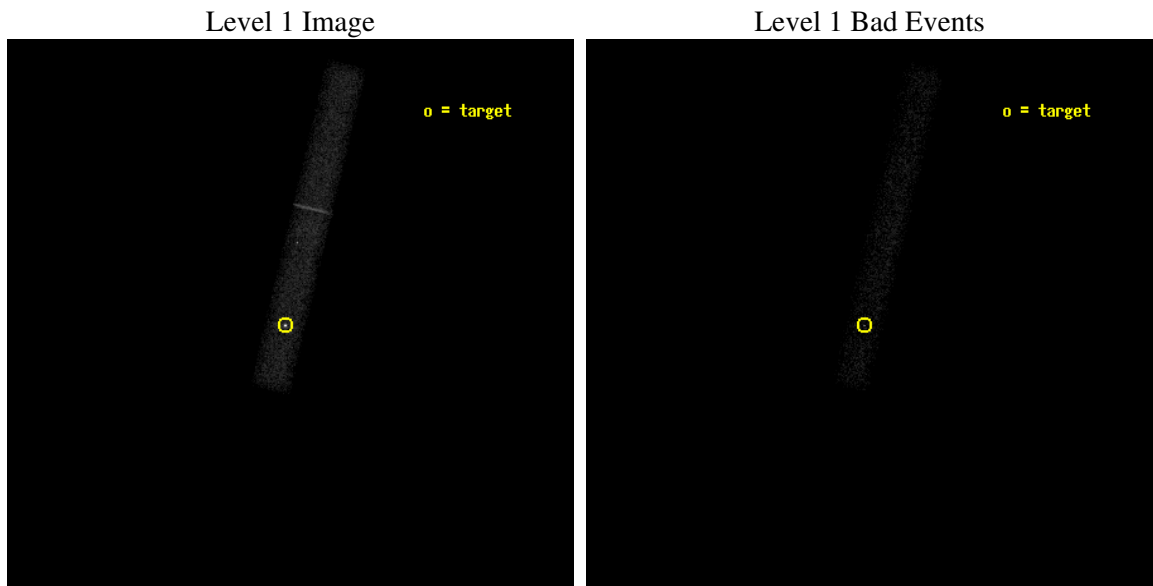
seq_num	590415
obs_id	6154
title	Calibrating Pile-up in ACIS Imaging Data with PSRJ0437-4715
observer	Dr. CXC Calibration
object	PSR J0437-4715
dtcycle	0
cycle	P
ra_targ	69.315833
dec_targ	-47.252333
ra_nom	69.312949201095
dec_nom	-47.251271765069
roll_nom	283.41203033489
revision	2
ontime	25187.600375324
livetime	22843.824029861
ontime7	25187.600375324
l2events	17101



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-23T21:49:39
revision	2

sched_exp_time	25000.000000
ontime	25541.656455547
ontime7	25541.656455547
l1events	31025

### 2.1.4 Events

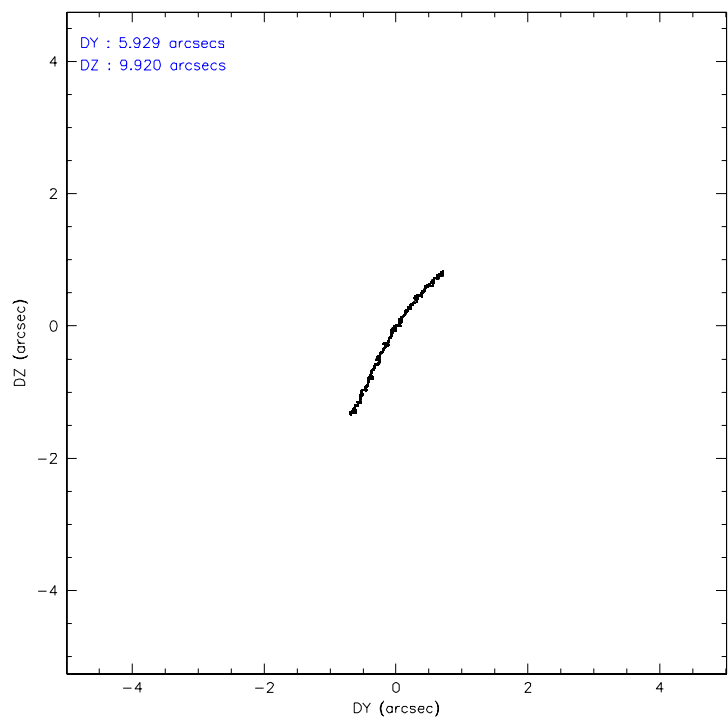
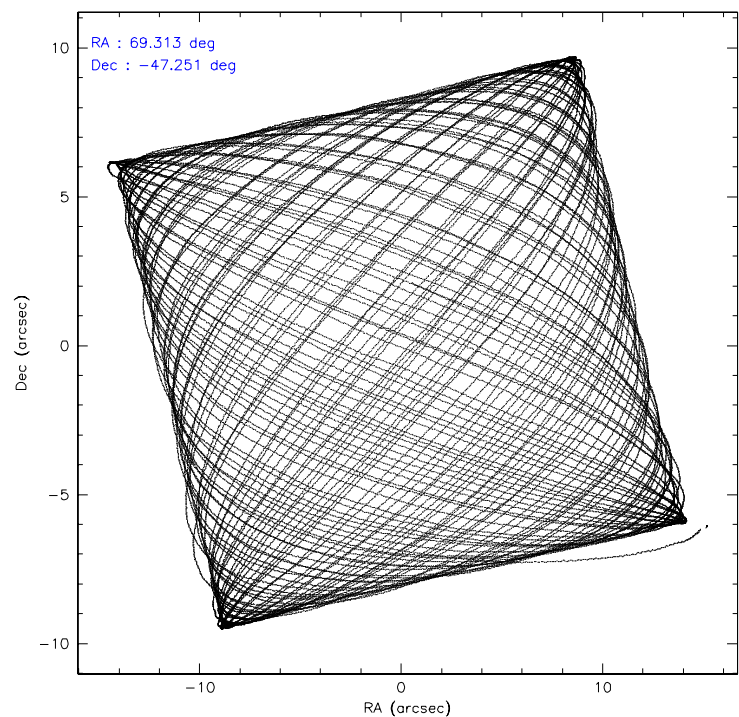
	<b>ccd 7</b>
level 1 events	31025
rejected events	13468
rejected %	43%

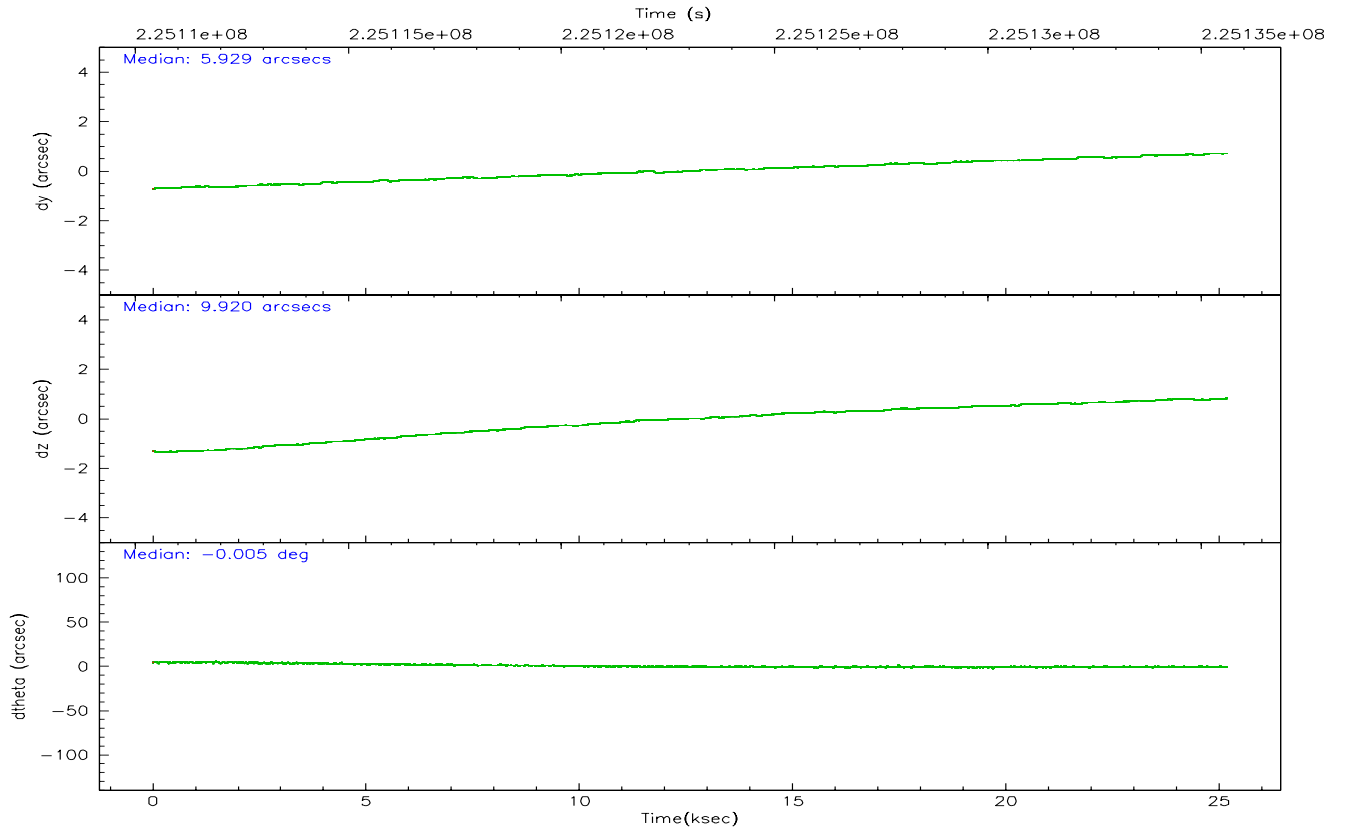
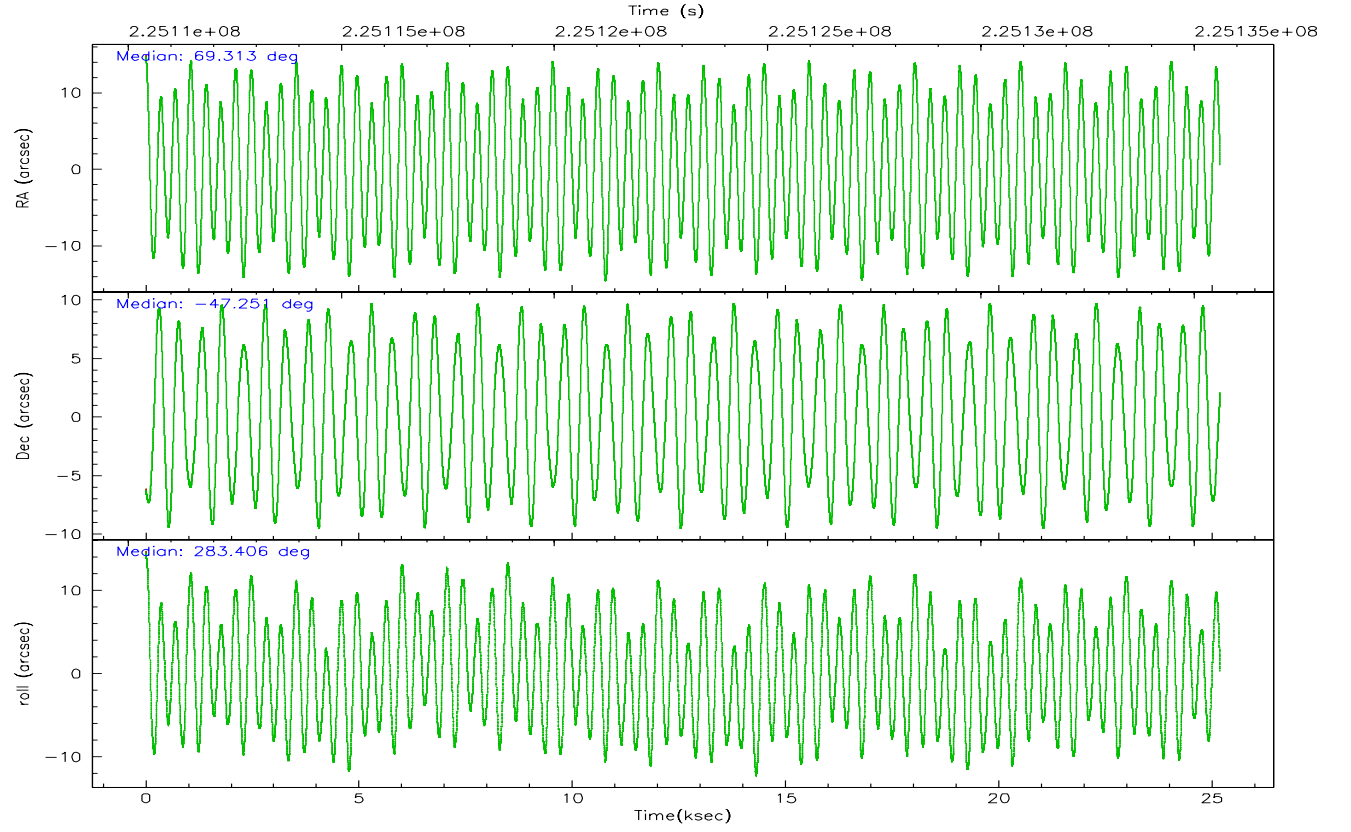
	<b>ccd 7</b>
grade 0 events	3490
	11%
grade 1 events	26
	0%
grade 2 events	4211
	13%
grade 3 events	1819
	5%
grade 4 events	1804
	5%
grade 5 events	1901
	6%
grade 6 events	6395
	20%
grade 7 events	11379
	36%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	CUSTOM
Pointing RA	69.284984	69.31294920109519	Subarray start row	447	447
Pointing Dec	-47.231753	-47.25127176506897	Subarray row count	101	101
Pointing Roll	283.234870	283.4120303348949	Alternating exposures requested	N	N
Window start time	218246464.184000	218246464.184000	Primary exposure time	0.000000	0.4
Window stop time	226022404.184000	226022404.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	225110609.184000	225109775.351			
Observation start date	2005-02-18T10:42:25	2005-02-18T10:29:35			
Observation end time	225135609.184000	225136409.9772			
Observation end date	2005-02-18T17:39:05	2005-02-18T17:53:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect





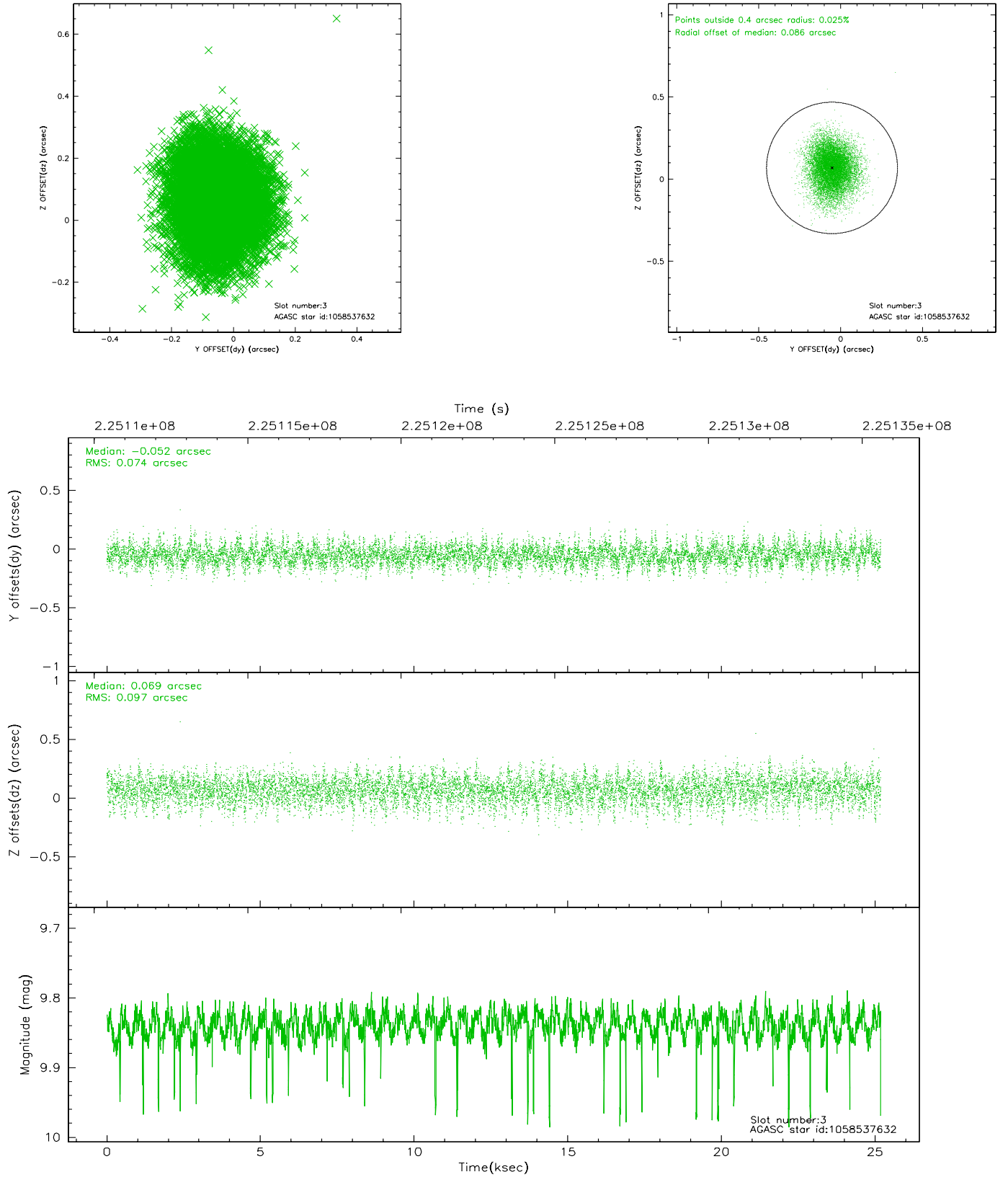
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	6144	-0.001	0.004	0.025	0.033	0.000000	0.000000	937.35	-1726.63
1	FID	ACIS-S-5	7.23	6144	-0.047	-0.001	0.026	0.036	0.000000	0.000000	-1811.60	170.84
2	FID	ACIS-S-6	7.35	6144	0.028	0.014	0.036	0.045	0.000000	0.000000	402.84	814.91
3	GUIDE	1058537632	9.84	12184	-0.052	0.069	0.130	0.214	68.291617	-47.025396	-1265.66	-2206.13
4	GUIDE	1058541272	9.23	12279	0.048	-0.026	0.095	0.153	68.392275	-46.921735	-1576.27	-1884.03
5	GUIDE	1058542336	9.61	12283	-0.058	-0.020	0.112	0.182	69.740954	-46.597293	-1961.96	1620.18
6	GUIDE	1058544032	8.99	12212	0.054	-0.005	0.087	0.136	69.576631	-47.141596	-150.98	769.68
7	GUIDE	1058931064	9.48	12235	0.004	-0.015	0.116	0.183	69.760694	-47.722390	1986.91	716.92

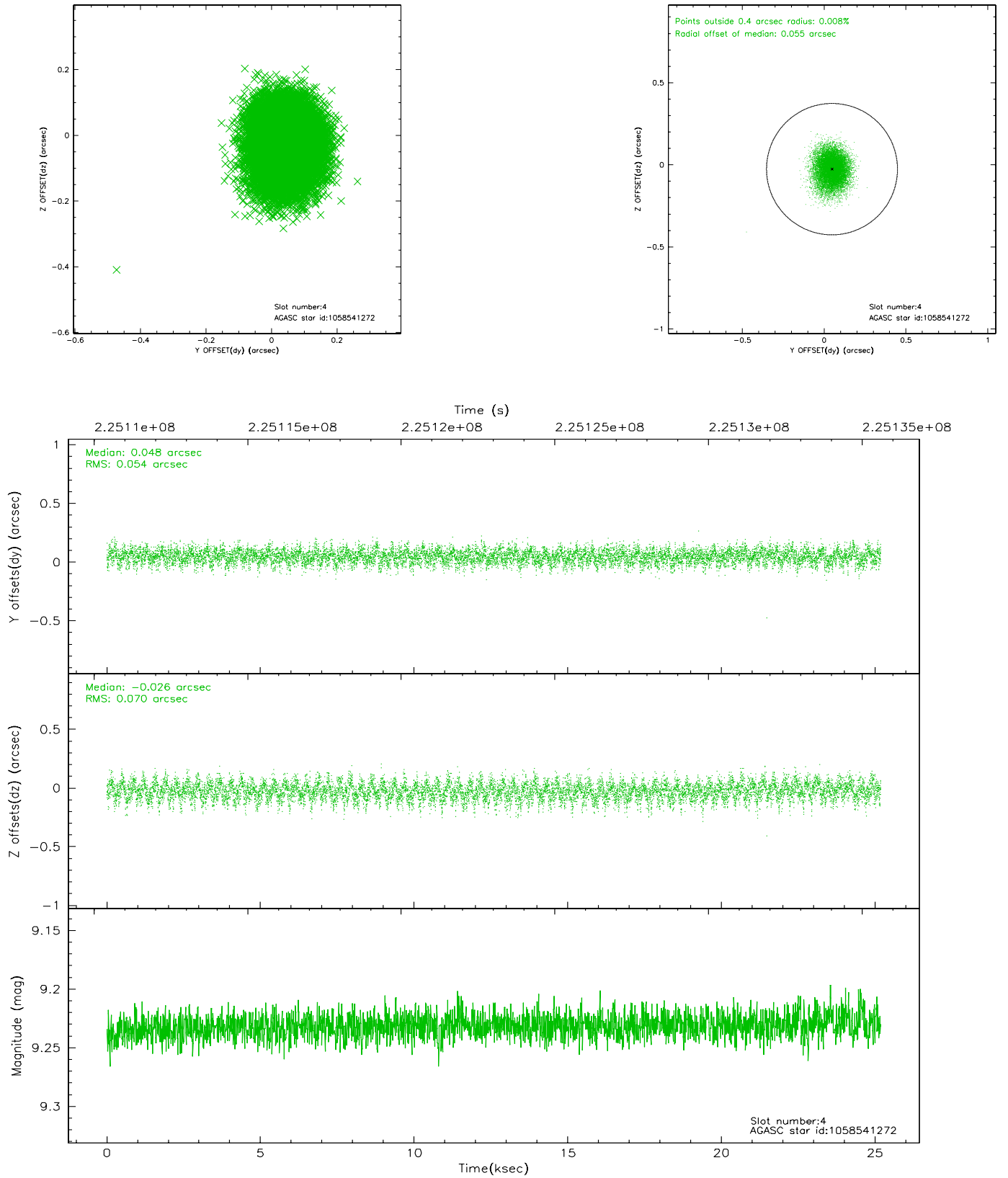


## 2.4 Star Slots

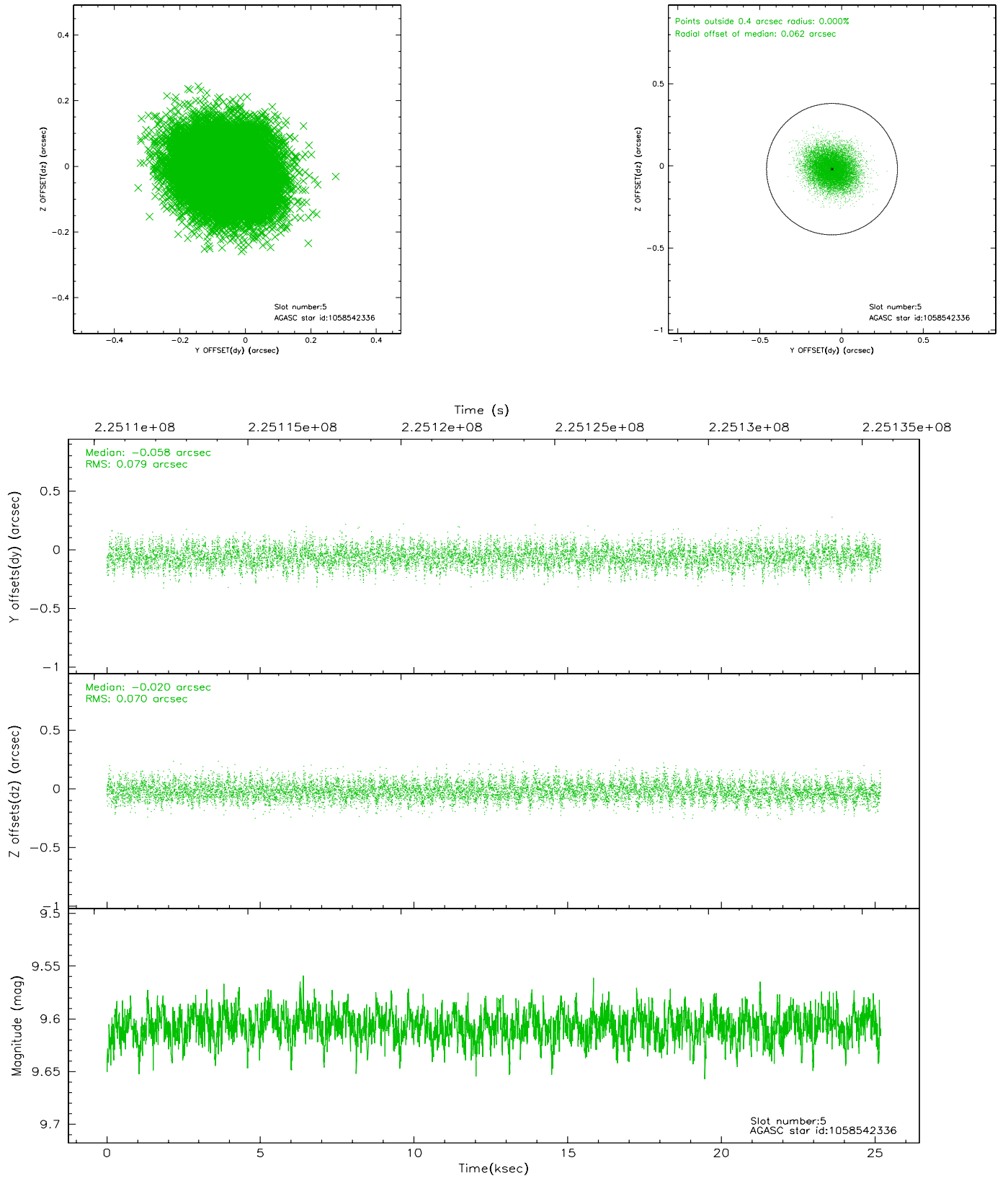
### 2.4.1 Slot 3



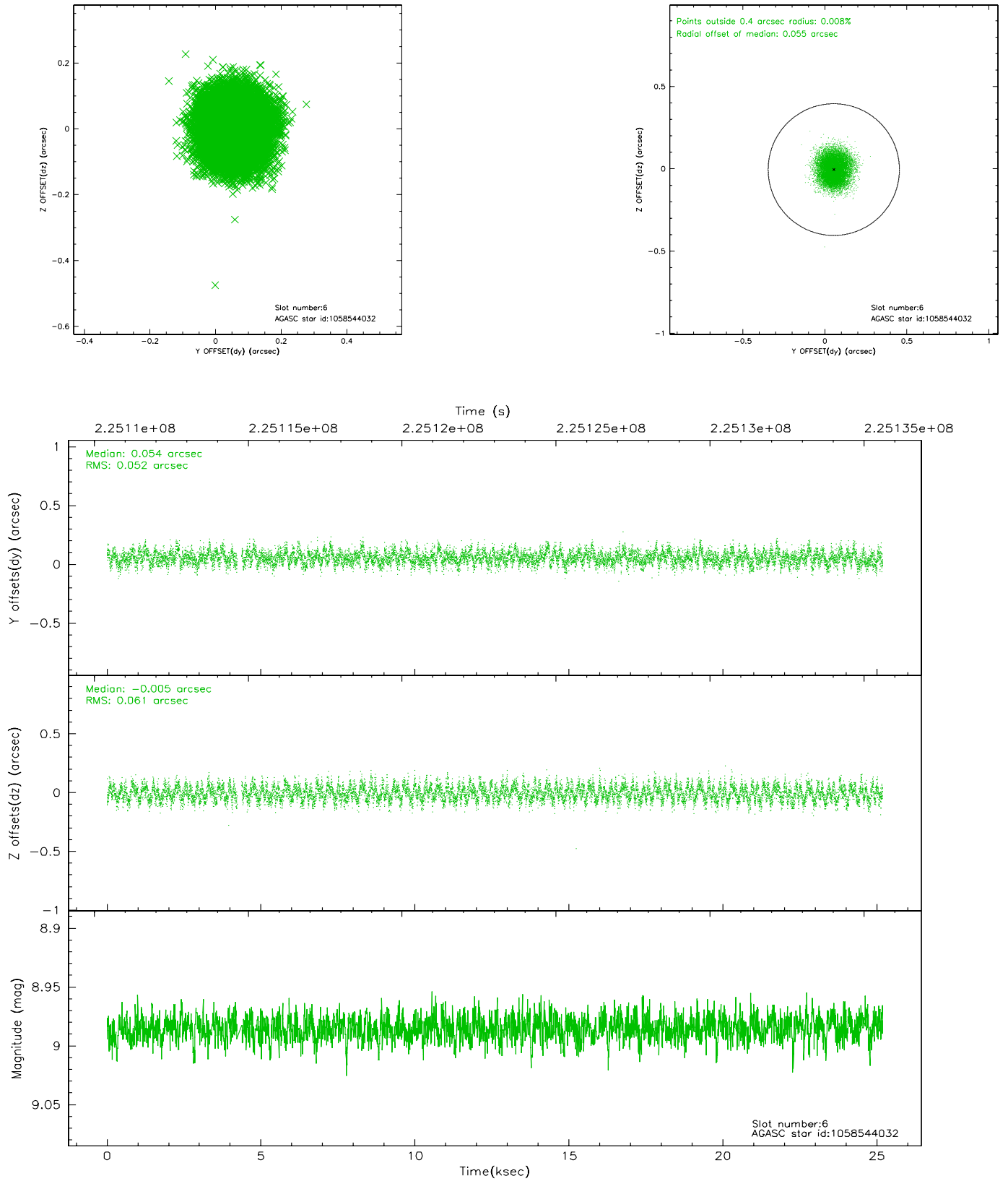
## 2.4.2 Slot 4



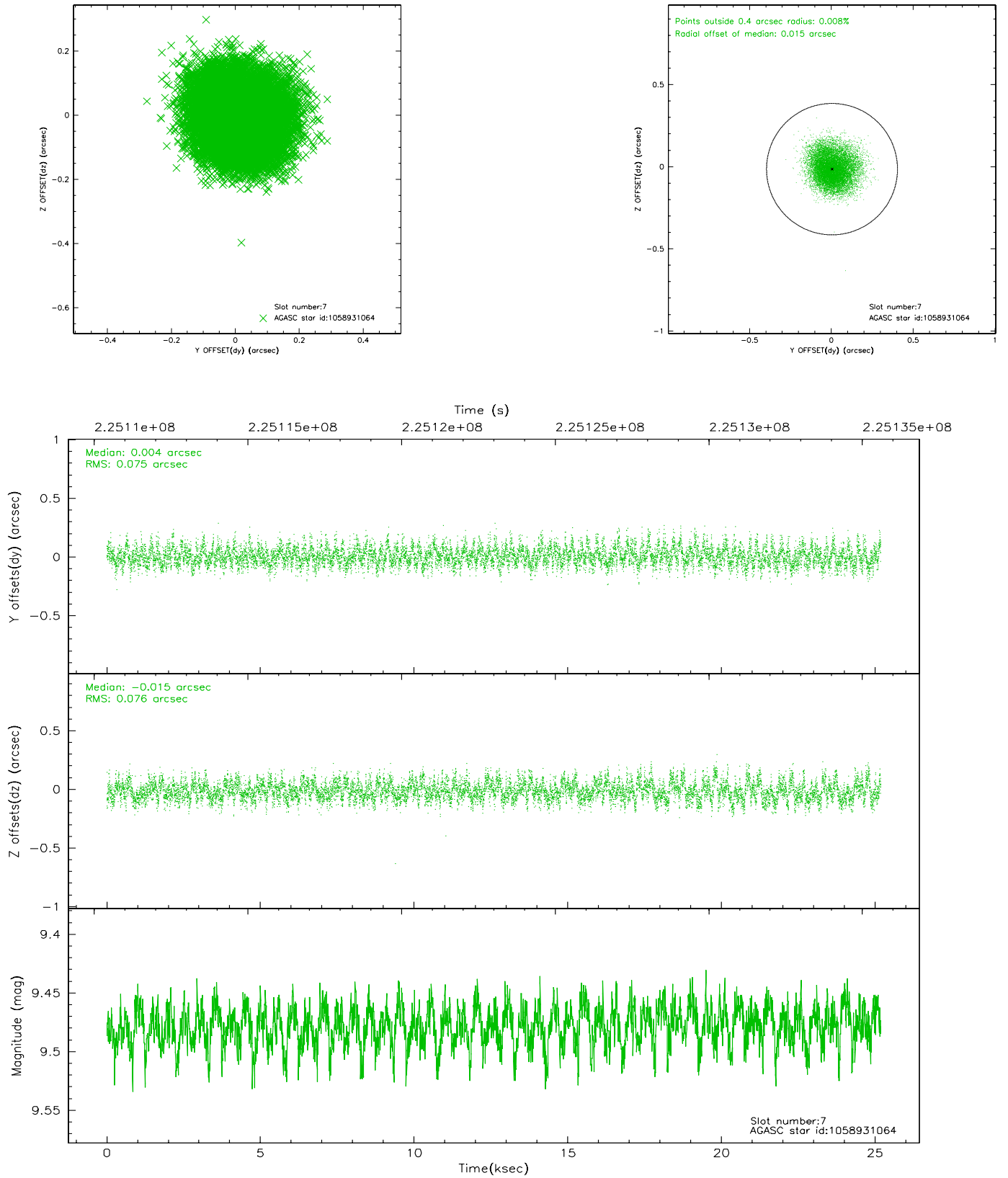
### 2.4.3 Slot 5



## 2.4.4 Slot 6

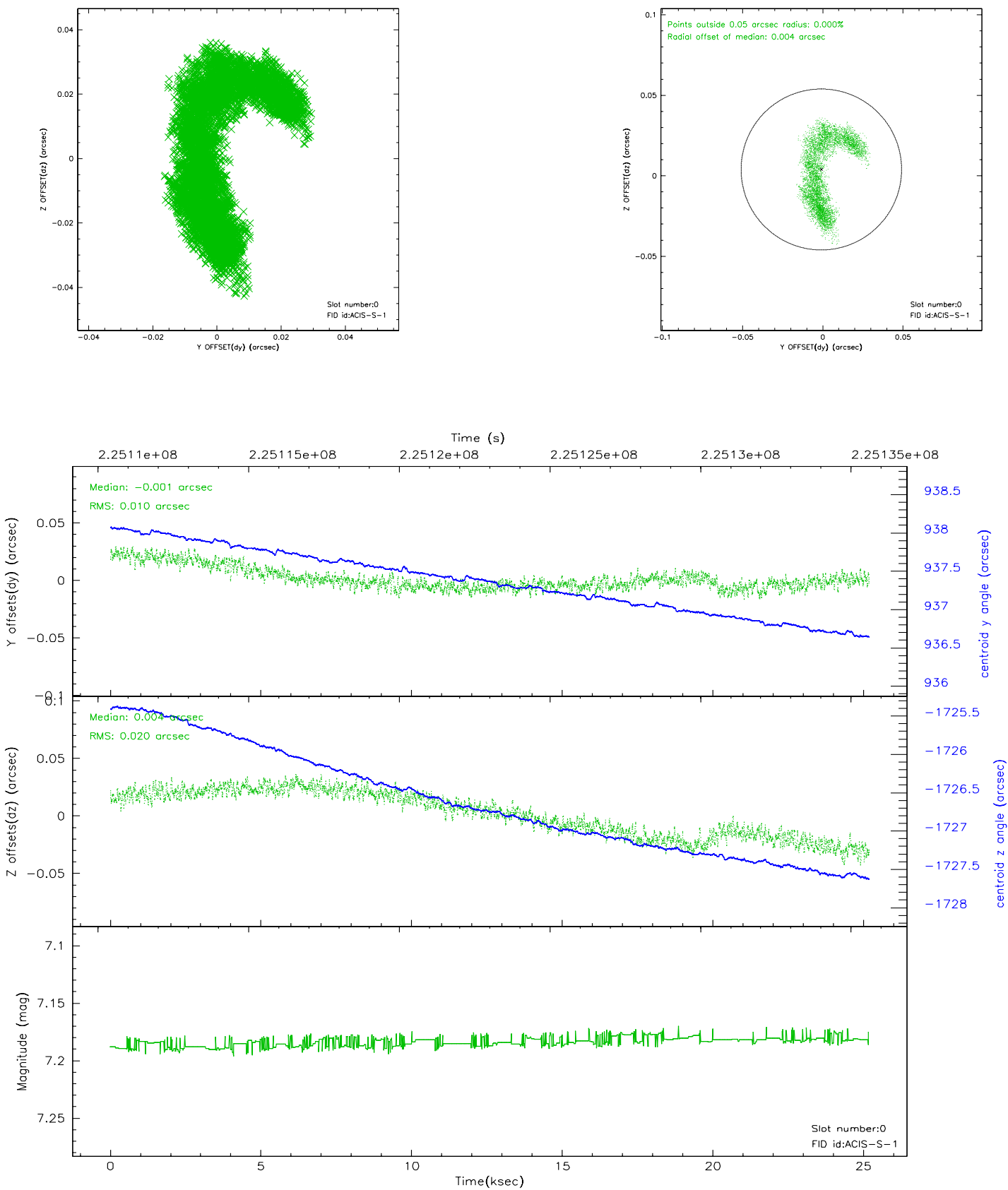


## 2.4.5 Slot 7

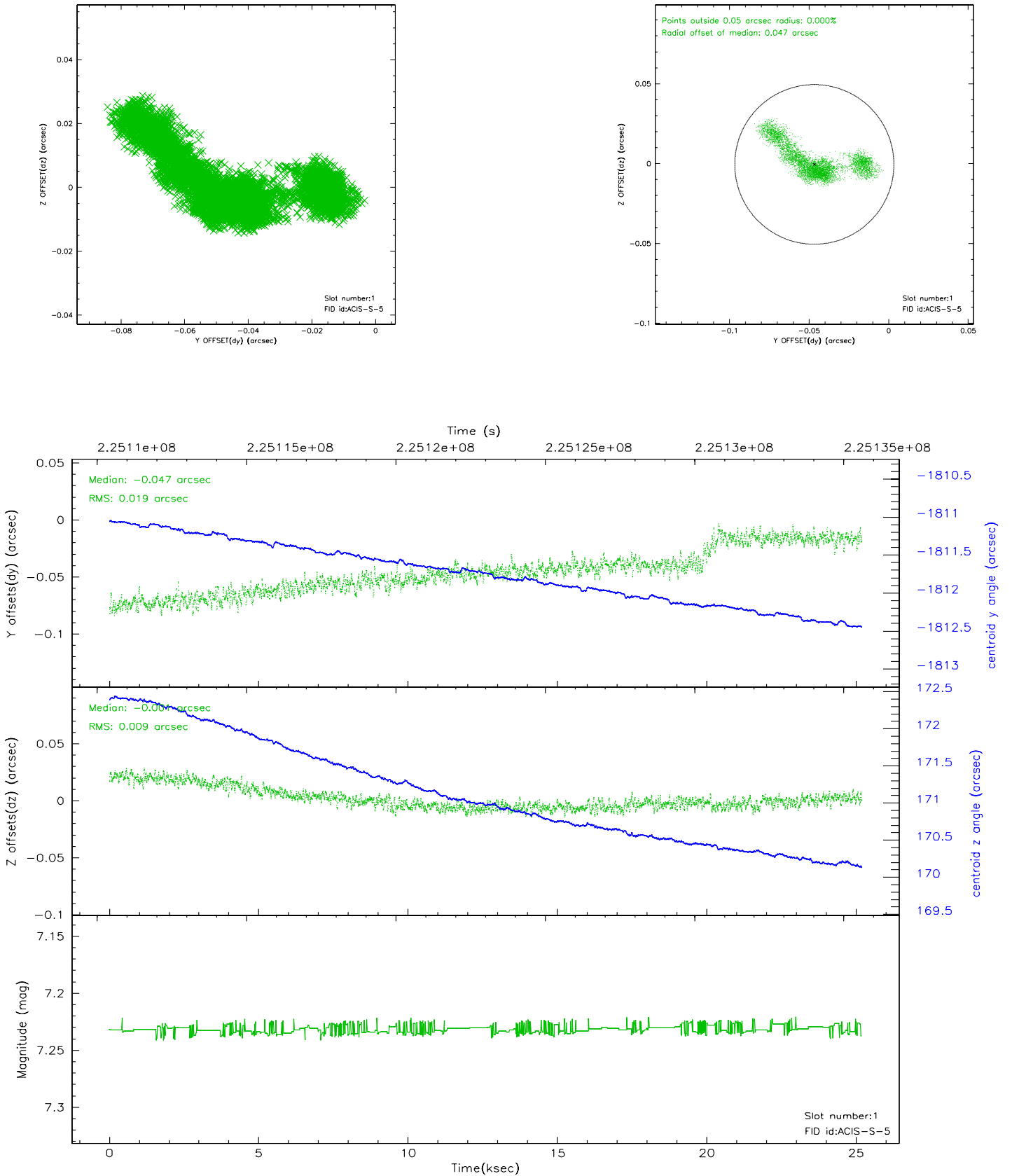


## 2.5 FID Slots

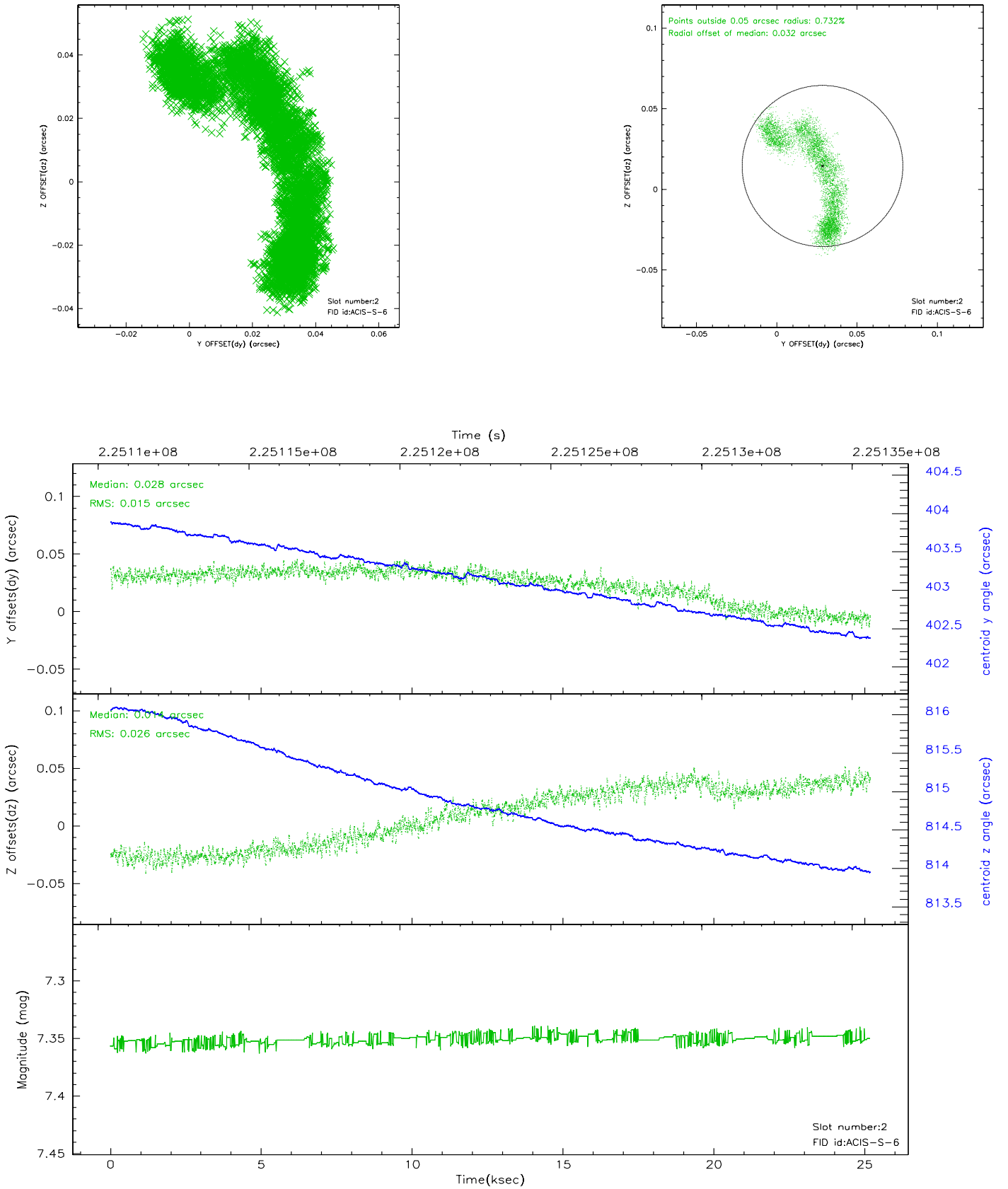
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

2.06 arcmin



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.1876

### A.2 Comments

Window constraint satisfied.