

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4576 - L2 Version 001  
Chandra X-Ray Center

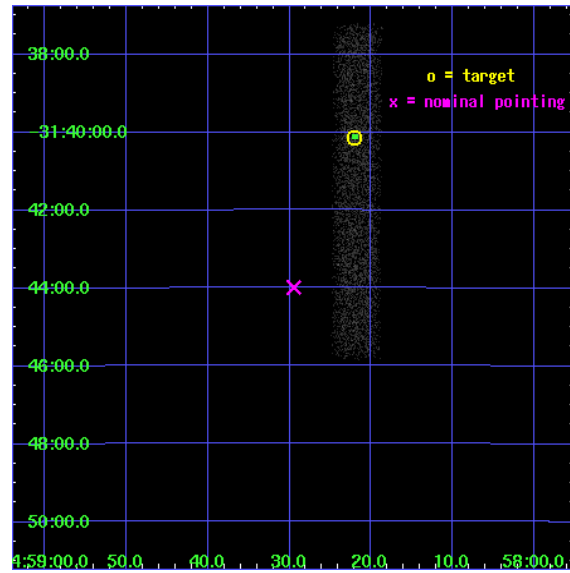
L2 Processing Date : May 23 2006

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# 1 Front

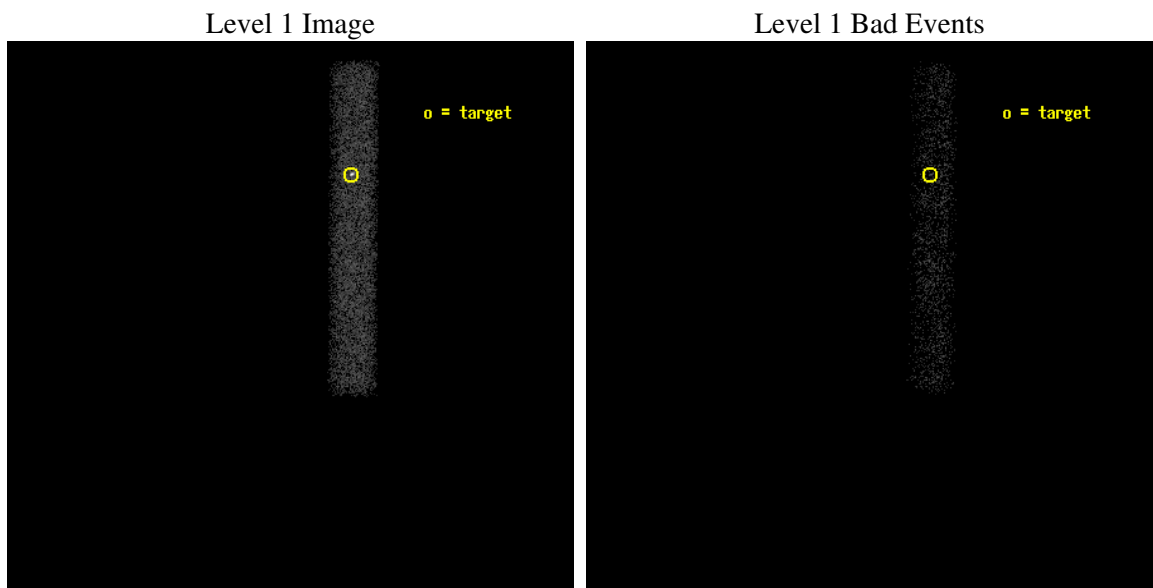
seq_num	400358
obs_id	4576
title	The Spectral Energy Distribution of Cen X-4
observer	Dr. MICHAEL GARCIA
object	Cen X-4
dtcycle	0
cycle	P
ra_targ	224.591667
dec_targ	-31.66875
ra_nom	224.62283133121
dec_nom	-31.733147705477
roll_nom	270.32107342439
revision	2
ontime	11182.000166625
livetime	10141.483916765
ontime7	11182.000166625
l2events	6808



## 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
caldsver	3.2.2
date	2006-05-23T13:43:59
revision	2

sched_exp_time	10999.865000
ontime	12048.65833354
ontime7	12048.65833354
l1events	16636

### 2.1.4 Events

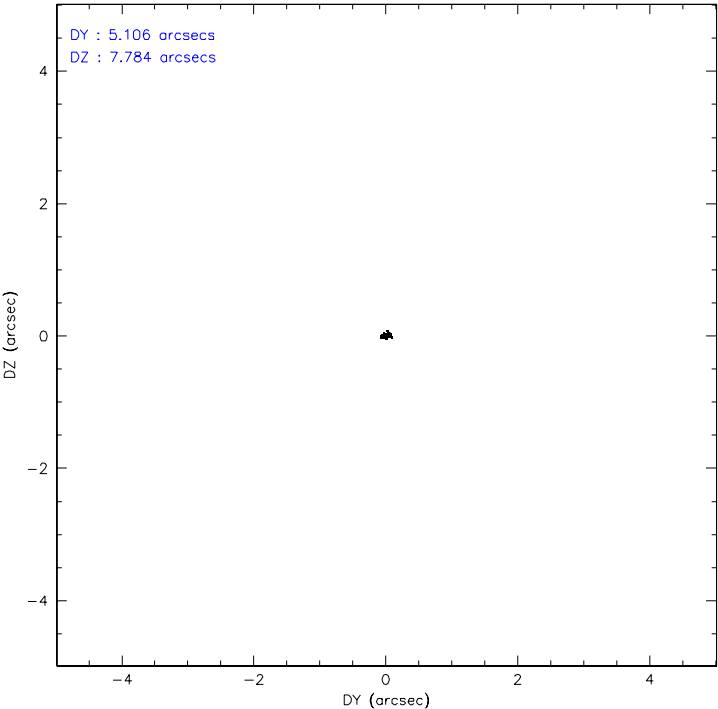
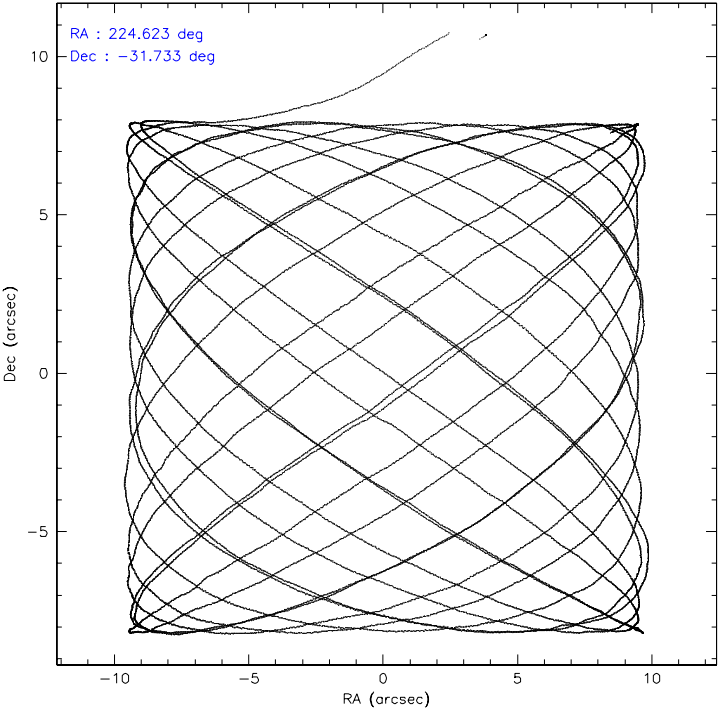
	<b>ccd 7</b>
level 1 events	16636
rejected events	9569
rejected %	57%

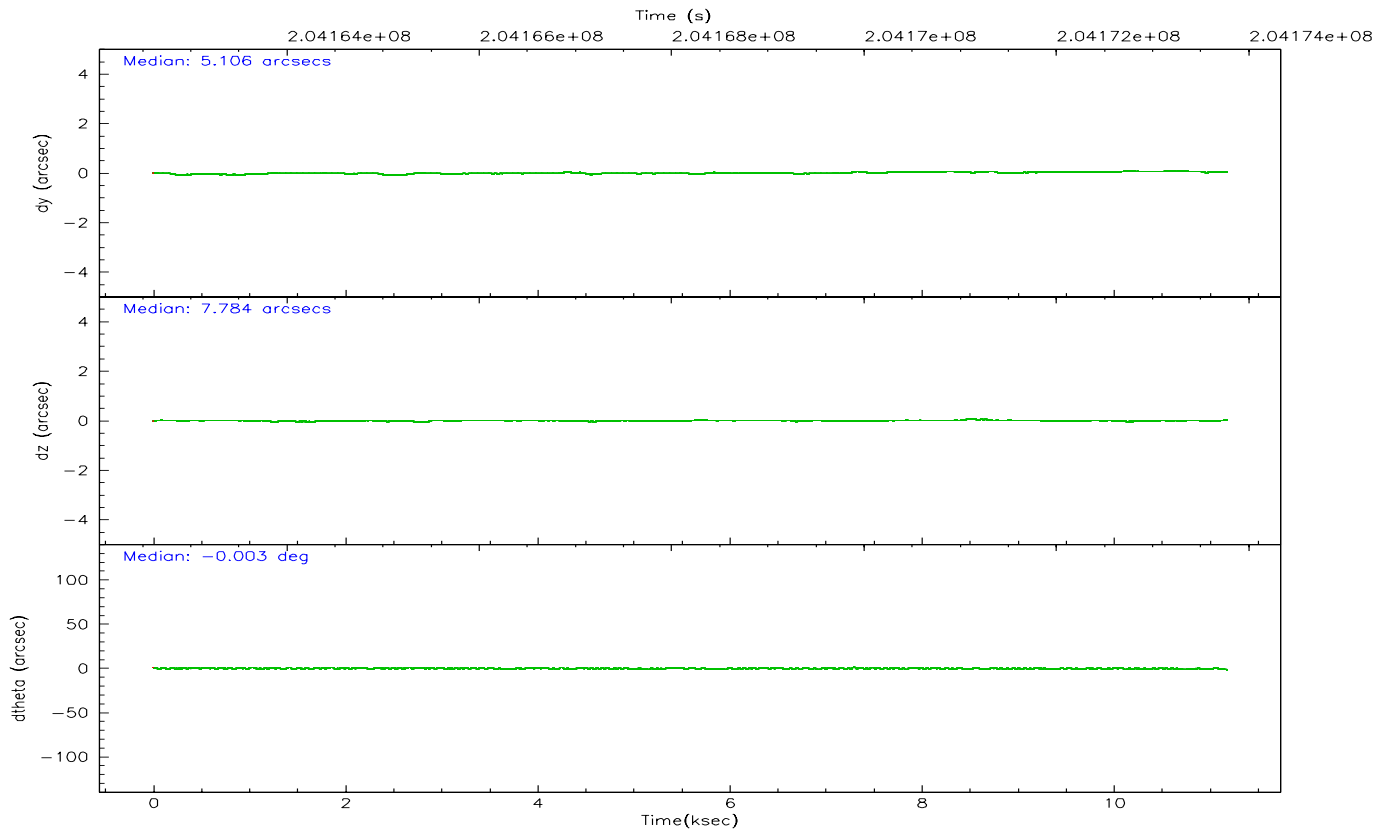
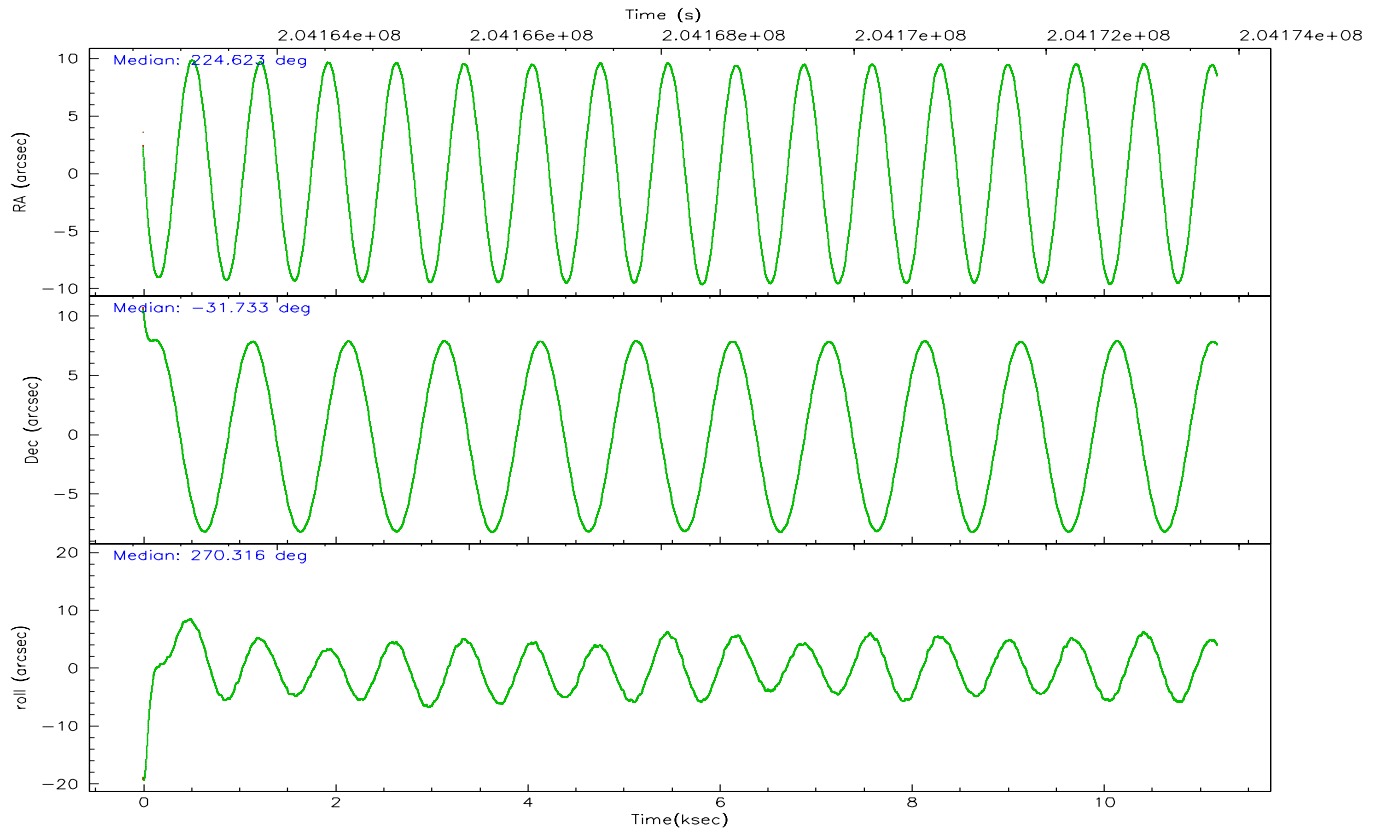
	<b>ccd 7</b>
grade 0 events	863
	5%
grade 1 events	15
	0%
grade 2 events	1727
	10%
grade 3 events	775
	4%
grade 4 events	676
	4%
grade 5 events	1062
	6%
grade 6 events	3485
	20%
grade 7 events	8033
	48%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	1/8
Pointing RA	224.606287	224.6228313312075	Subarray start row	650	650
Pointing Dec	-31.709886	-31.73314770547668	Subarray row count	128	128
Pointing Roll	270.155774	270.321073424387	Alternating exposures requested	N	N
Window start time	204078484.184000	204078484.184000	Primary exposure time	0.000000	0.4
Window stop time	204100264.184000	204100264.184000			
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	204162784.184000	204161728.9756			
Observation start date	2004-06-20T23:52:00	2004-06-20T23:35:28			
Observation end time	204173784.184000	204174544.55117			
Observation end date	2004-06-21T02:55:20	2004-06-21T03:09:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect





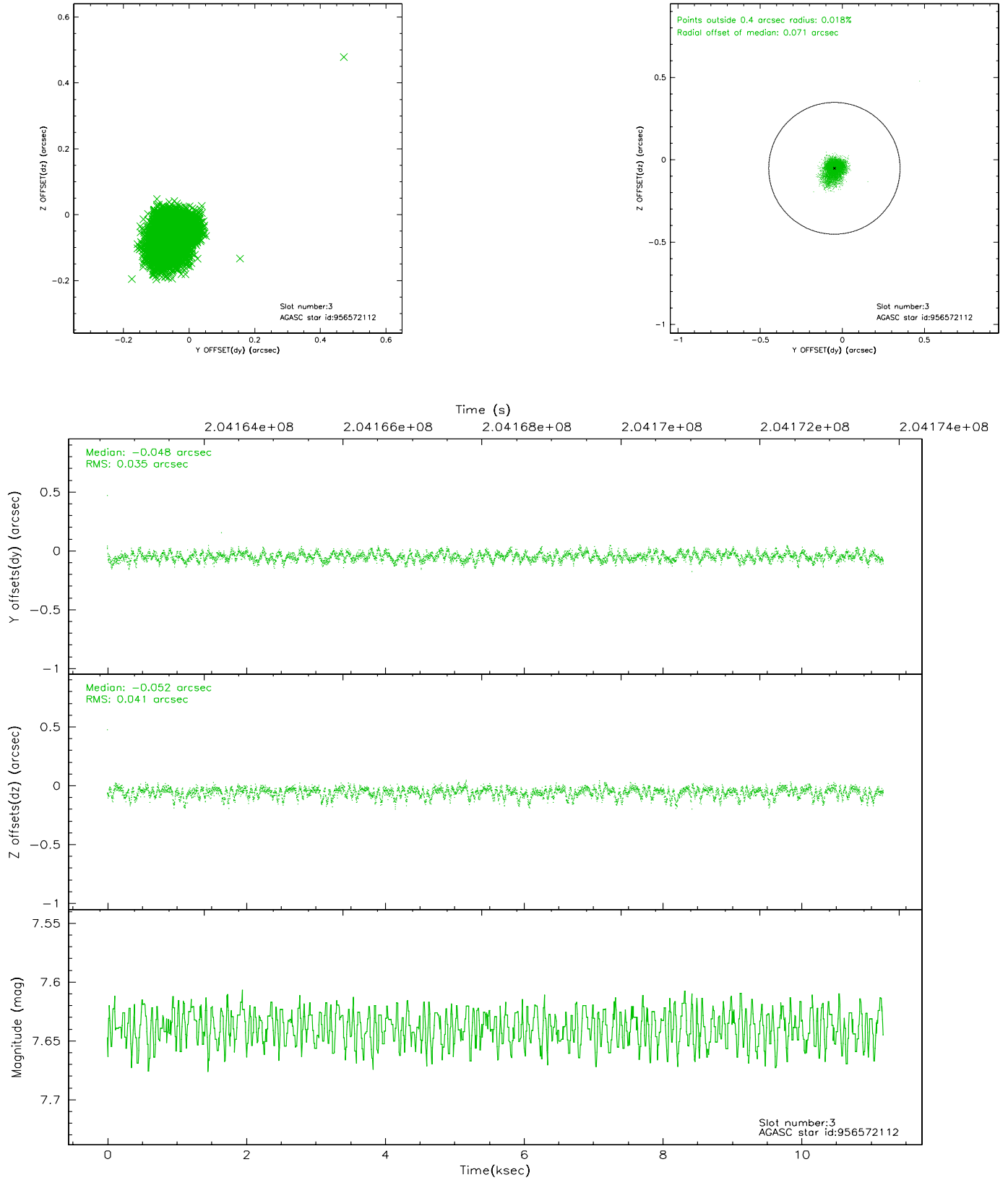
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2728	-0.059	-0.030	0.005	0.009	0.000000	0.000000	-757.90	-1728.93
1	FID	ACIS-S-4	7.21	2727	0.029	0.043	0.006	0.009	0.000000	0.000000	2155.29	179.09
2	FID	ACIS-S-6	7.35	2728	0.002	-0.006	0.007	0.011	0.000000	0.000000	404.78	817.00
3	GUIDE	956572112	7.64	5456	-0.048	-0.052	0.055	0.095	223.861077	-31.418161	-1048.27	-2286.67
4	GUIDE	956573840	8.75	5456	-0.060	-0.057	0.074	0.115	223.997560	-31.088122	-2237.95	-1871.20
5	GUIDE	956575352	8.54	5453	0.052	-0.022	0.069	0.107	223.873030	-31.529443	-647.99	-2248.44
6	GUIDE	958277040	8.92	5452	0.036	0.084	0.070	0.117	225.059014	-31.205389	-1809.38	1398.63
7	GUIDE	957091448	7.82	5455	0.025	0.055	0.051	0.083	224.977023	-32.370724	2384.05	1121.66

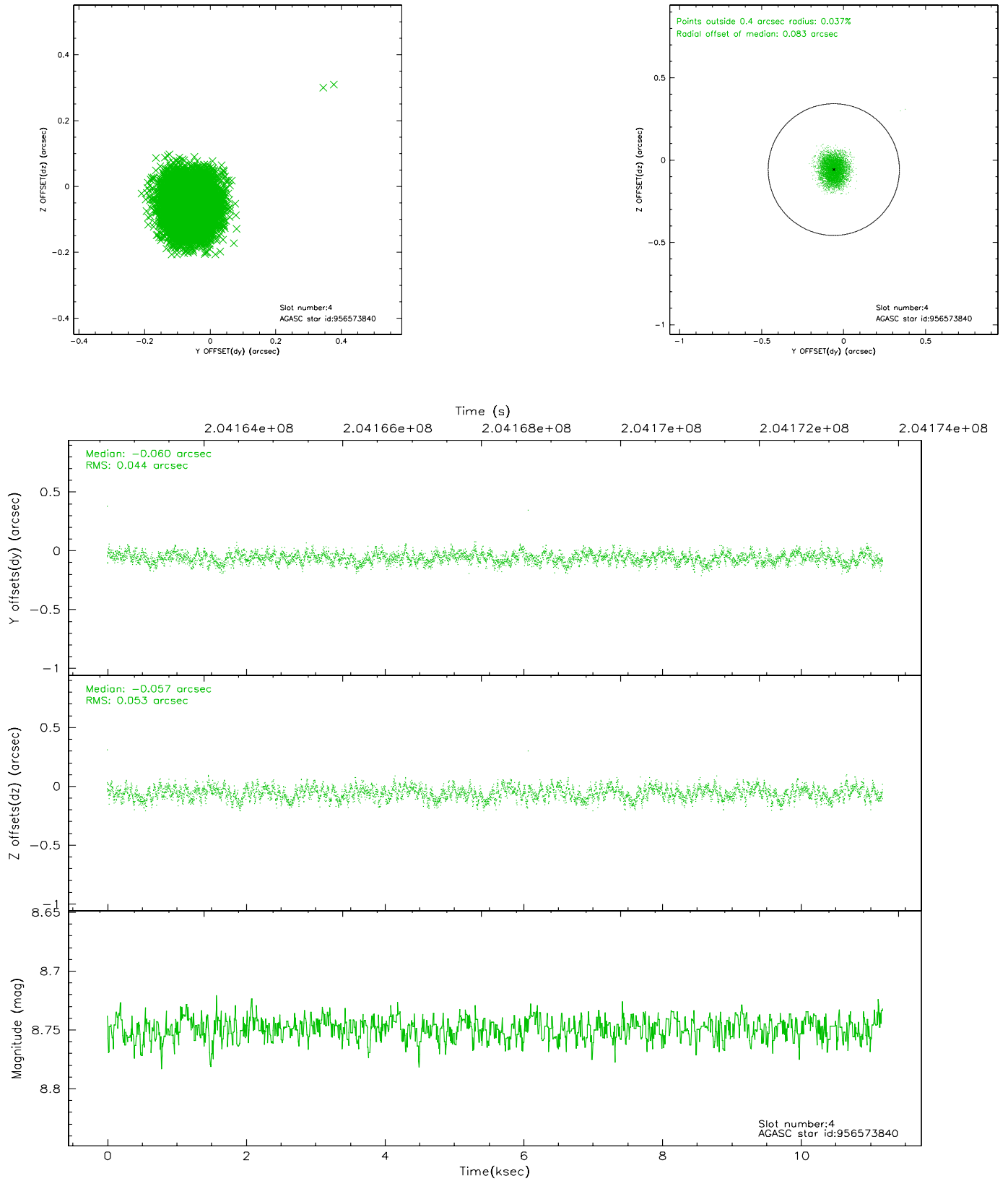


## 2.4 Star Slots

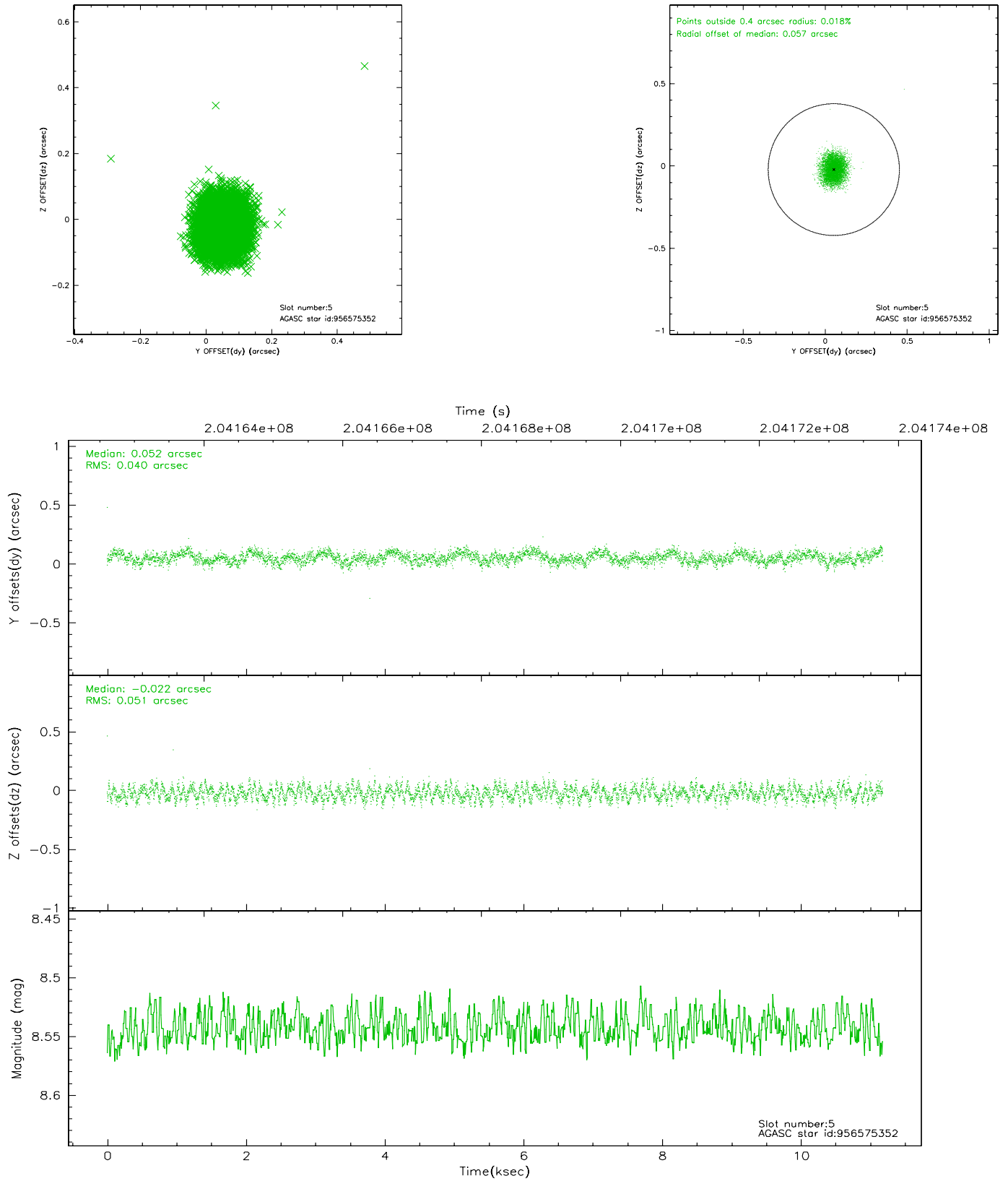
### 2.4.1 Slot 3



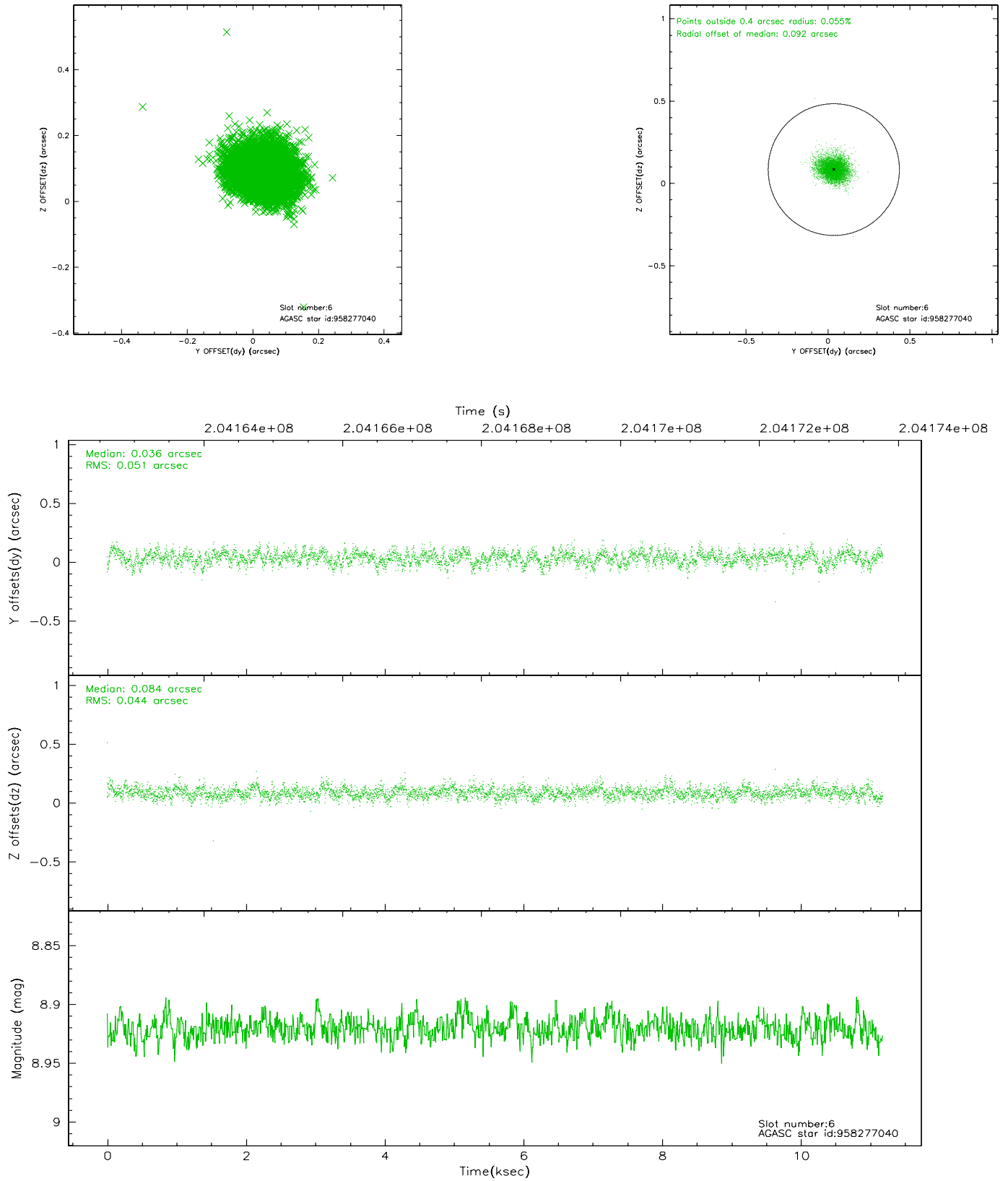
## 2.4.2 Slot 4



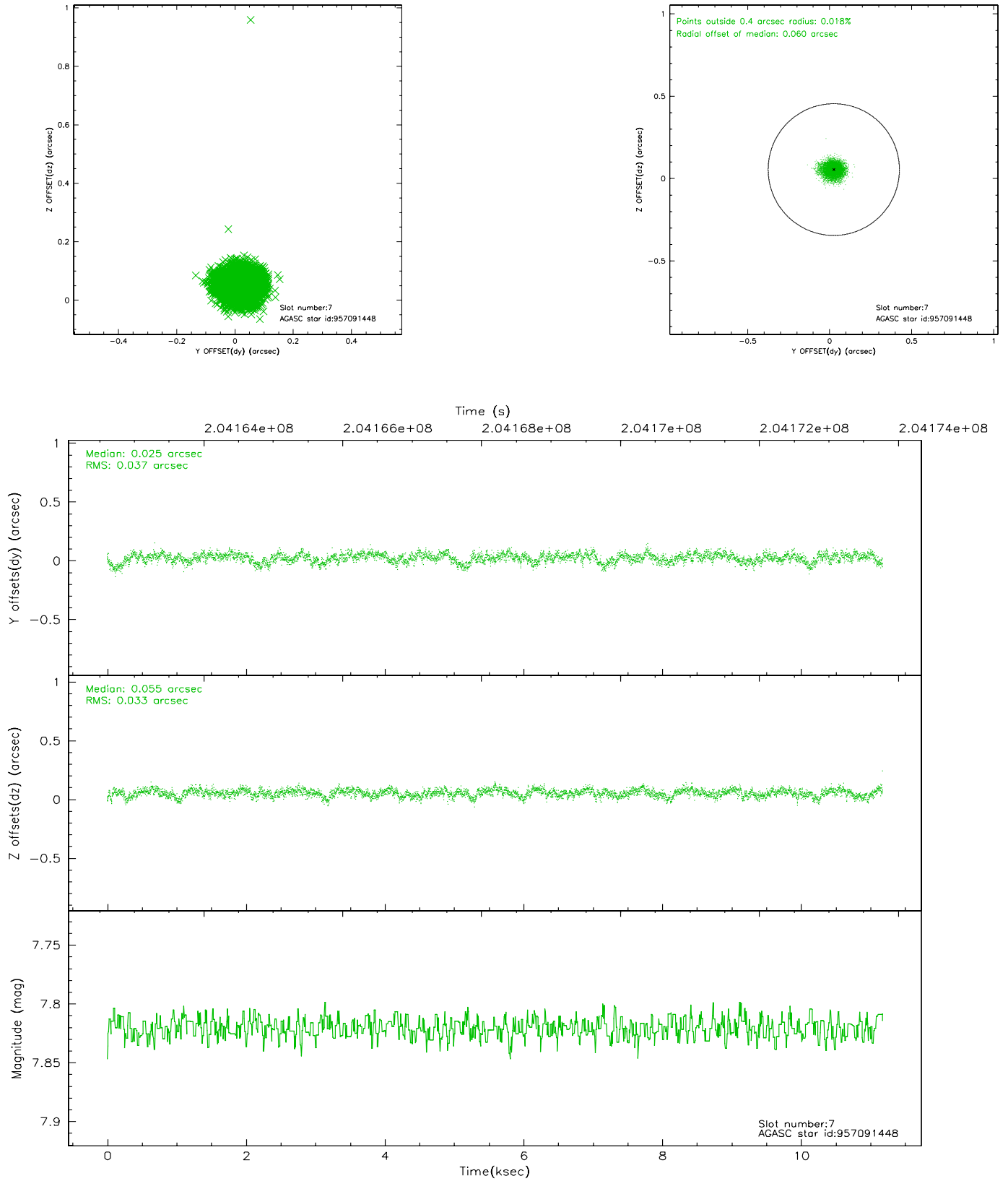
### 2.4.3 Slot 5



## 2.4.4 Slot 6

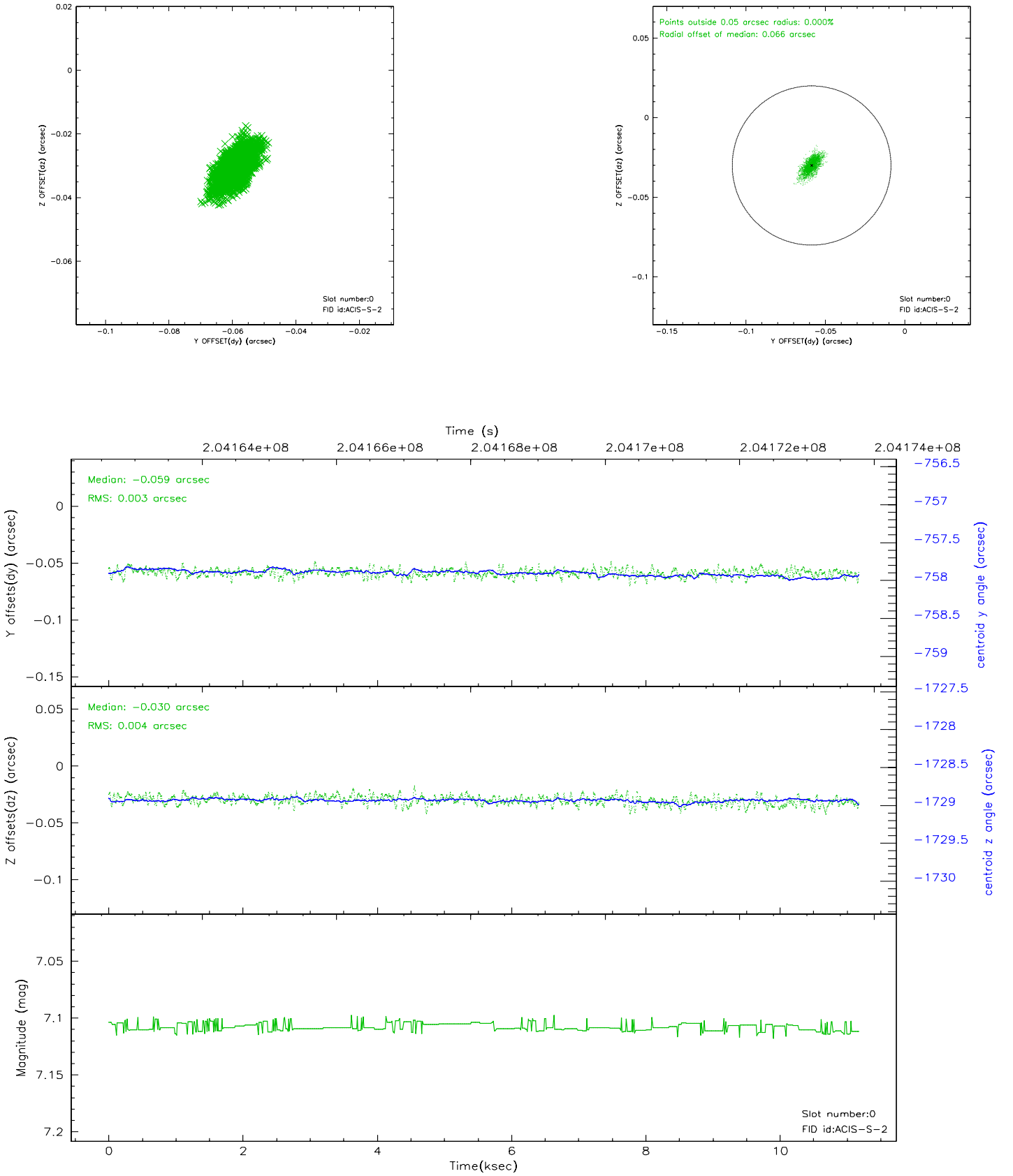


## 2.4.5 Slot 7

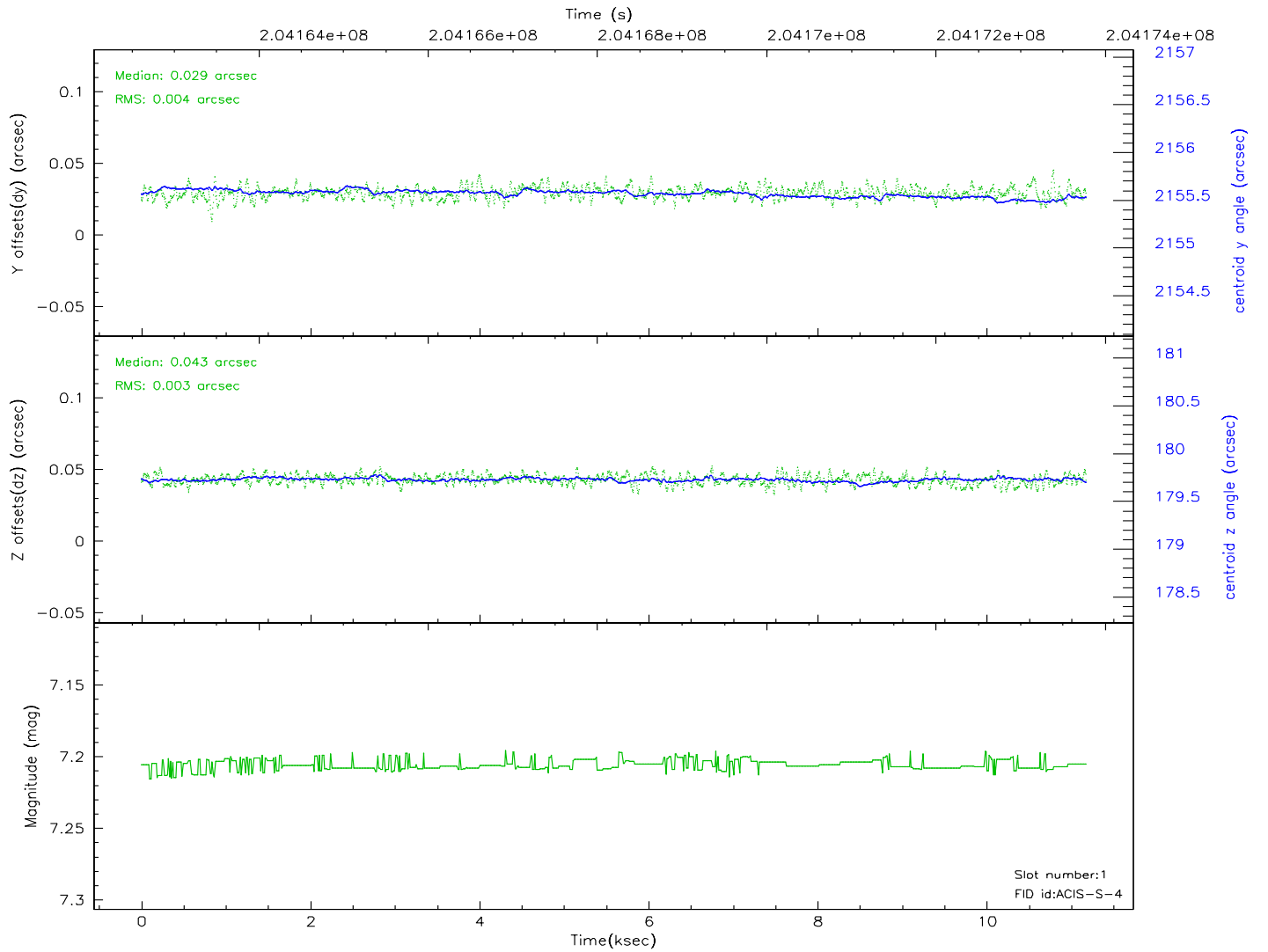
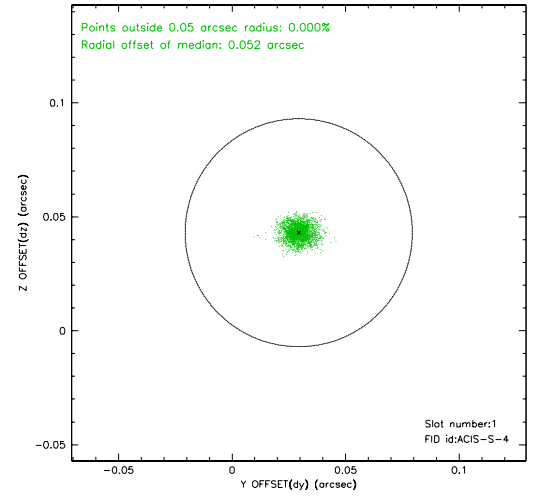
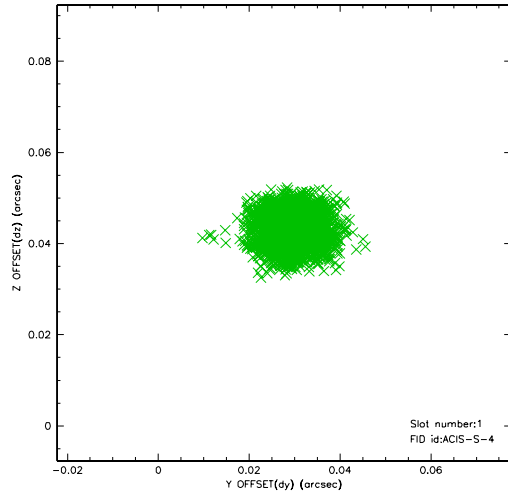


## 2.5 FID Slots

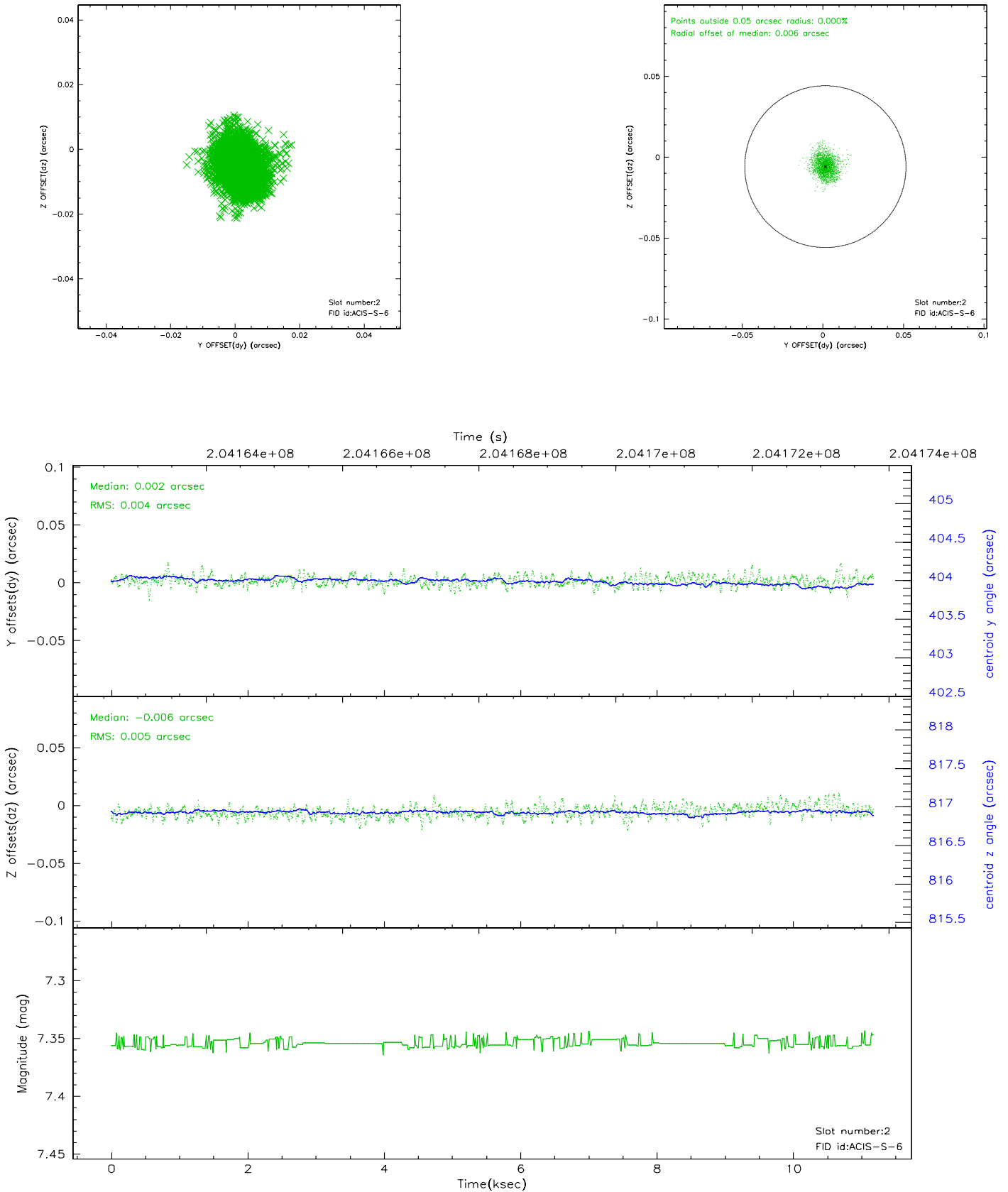
### 2.5.1 Slot 0



## 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)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.182

### A.2 Comments

Window constraint met.