

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3047 - L2 Version 001  
Chandra X-Ray Center

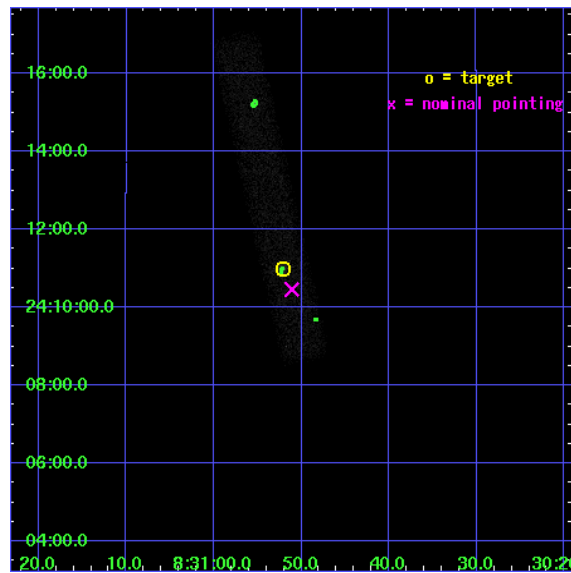
L2 Processing Date : Sep 15 2006

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# 1 Front

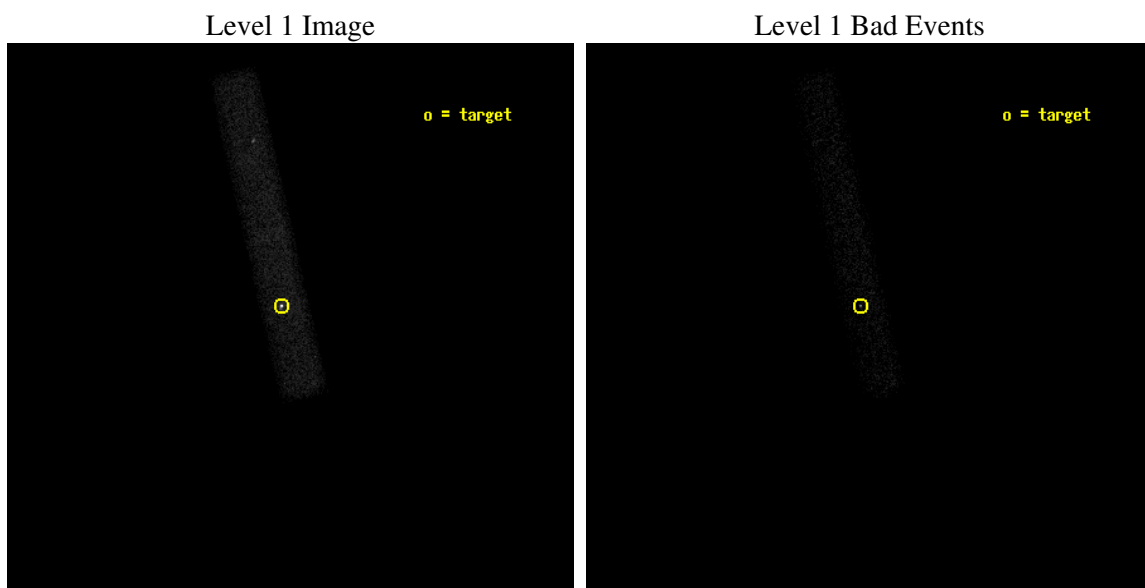
seq_num	700486
obs_id	3047
title	X-RAY IMAGING OF QUASAR JETS
observer	Professor Alan Marscher
object	0827+243
dtcycle	0
cycle	P
ra_targ	127.717083
dec_targ	24.183278
ra_nom	127.71292066539
dec_nom	24.174360971593
roll_nom	257.22540534465
revision	2
ontime	20142.000300139
livetime	18267.731090277
ontime7	20142.000300139
l2events	16830



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-15T04:26:15
revision	2

sched_exp_time	20000.000000
ontime	21004.710086107
ontime7	21004.710086107
l1events	31517

### 2.1.4 Events

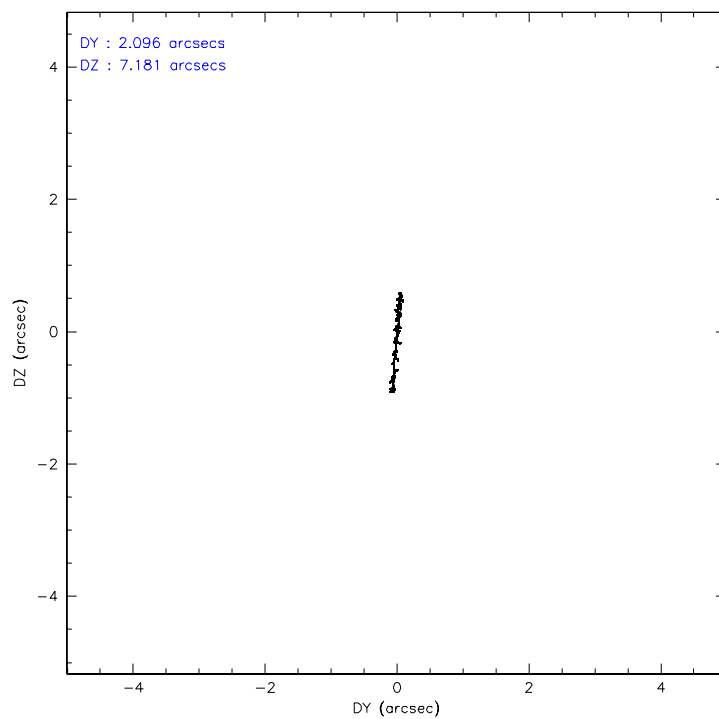
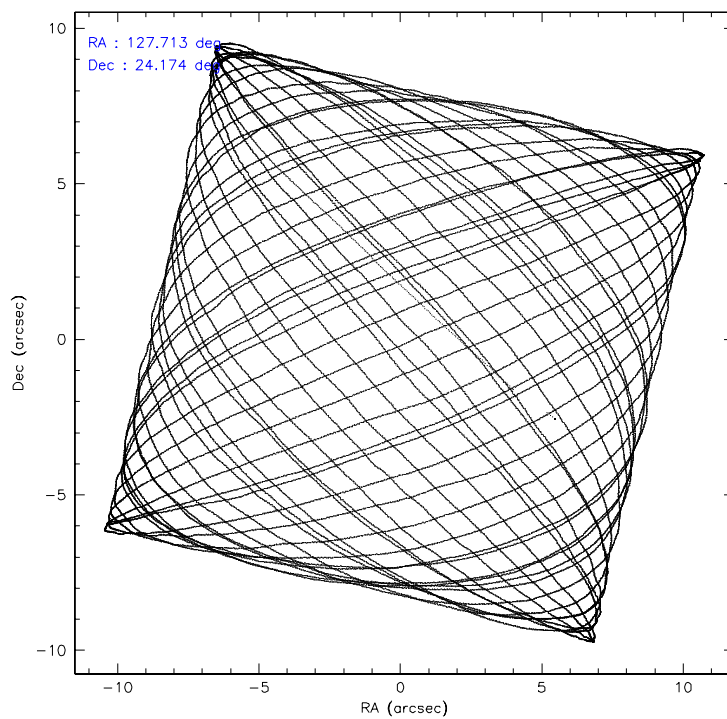
	<b>ccd 7</b>
level 1 events	31517
rejected events	14211
rejected %	45%

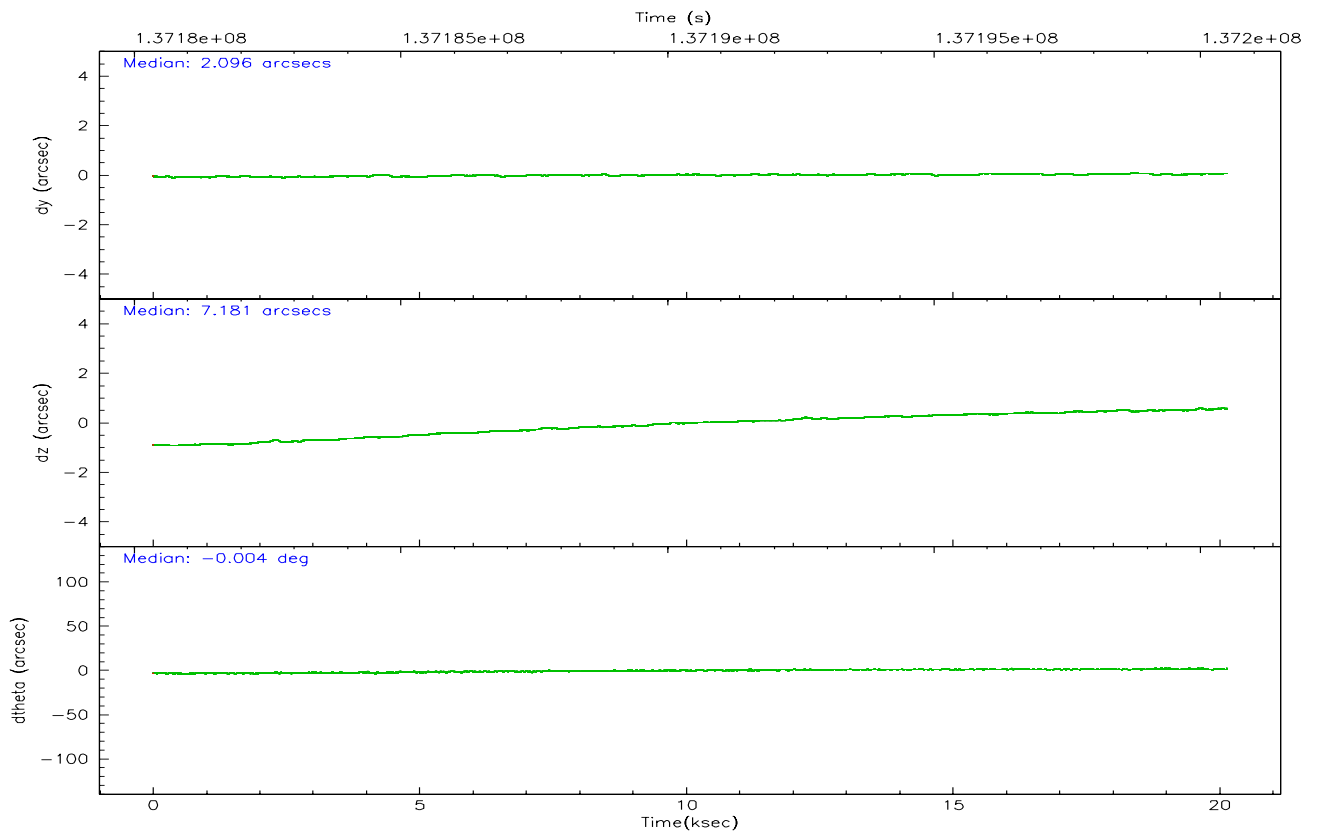
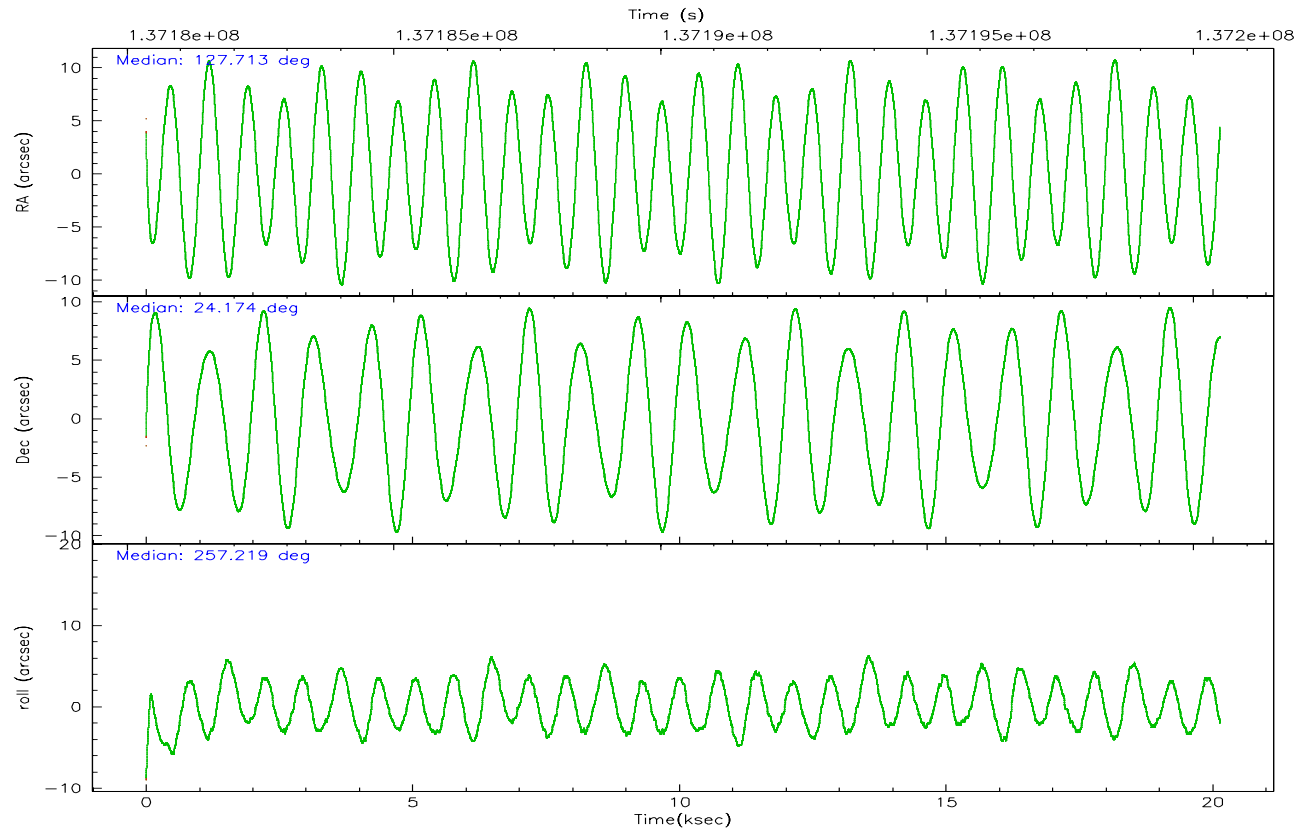
	<b>ccd 7</b>
grade 0 events	3085
	9%
grade 1 events	39
	0%
grade 2 events	4268
	13%
grade 3 events	2052
	6%
grade 4 events	1811
	5%
grade 5 events	1915
	6%
grade 6 events	6535
	20%
grade 7 events	11812
	37%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	127.703737	127.7129206653912	Subarray requested	1/8	1/8
Pointing Dec	24.200263	24.17436097159312	Subarray start row	0	449
Pointing Roll	257.072540	257.2254053446484	Subarray row count	1024	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.4
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	137180492.184000	137179458.27984			
Observation start date	2002-05-07T17:40:28	2002-05-07T17:24:18			
Observation end time	137200492.184000	137201158.55572			
Observation end date	2002-05-07T23:13:48	2002-05-07T23:25:58			
Read mode	TIMED	TIMED			

## 2.3 Aspect





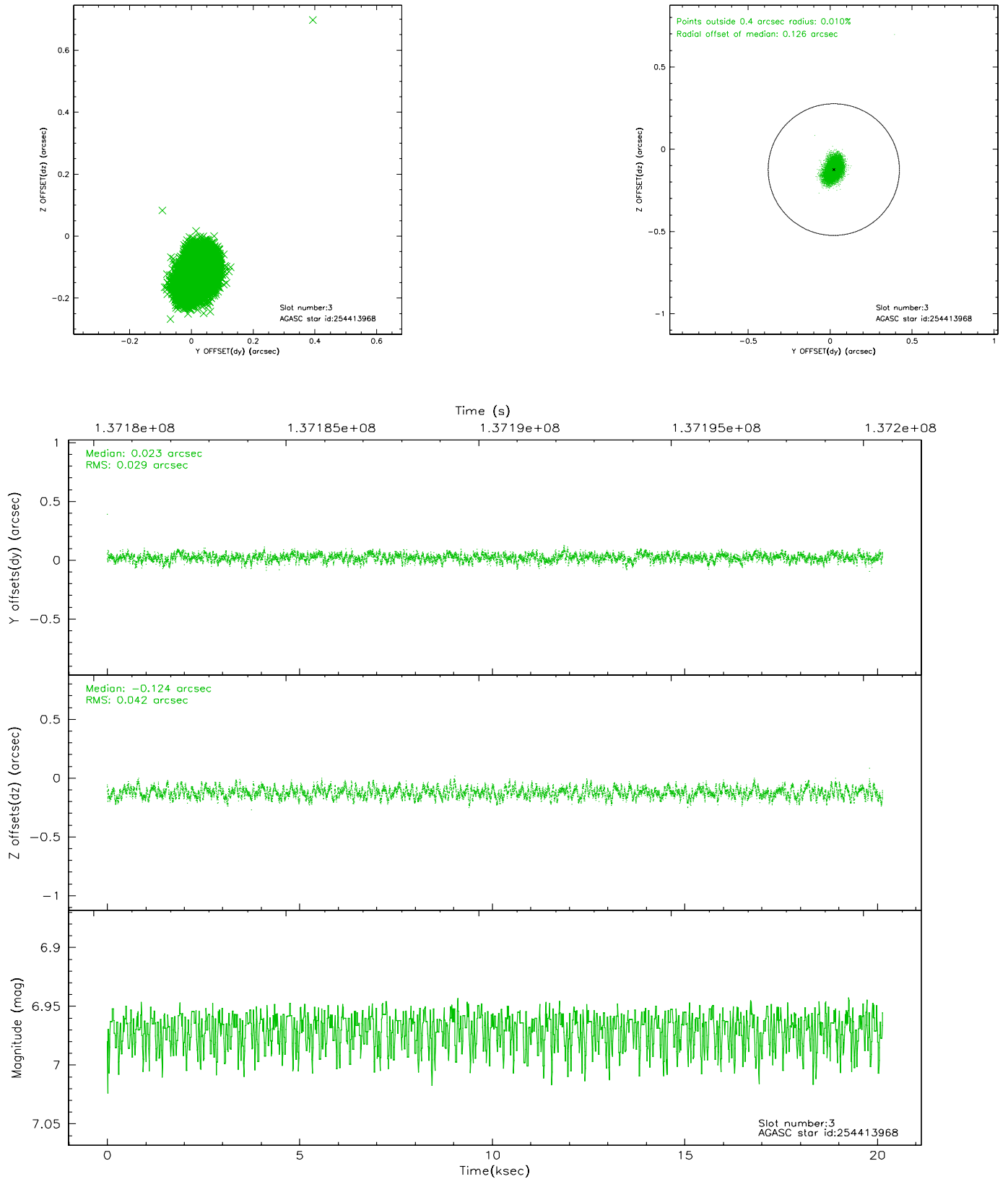
### Slot Statistics

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	4914	-0.023	0.015	0.012	0.020	0.000000	0.000000	-754.72	-1728.20
1	FID	ACIS-S-4	7.20	4914	-0.064	0.007	0.009	0.018	0.000000	0.000000	2158.42	180.11
2	FID	ACIS-S-5	7.23	4913	0.055	-0.013	0.010	0.016	0.000000	0.000000	-1807.26	173.94
3	GUIDE	254413968	6.97	9827	0.023	-0.124	0.054	0.088	127.416931	24.344707	-297.15	-1033.19
4	GUIDE	254546944	8.74	9827	-0.018	0.023	0.087	0.145	128.414418	24.421267	-1302.73	2091.39
5	GUIDE	254428672	8.90	9824	0.133	0.059	0.070	0.120	127.823928	23.623769	1933.82	851.55
6	GUIDE	254415136	8.87	9824	-0.011	-0.202	0.092	0.143	127.126183	24.541352	-777.08	-2118.83
7	GUIDE	254541888	9.38	9822	-0.119	0.237	0.125	0.199	128.542766	24.593320	-2002.19	2358.75

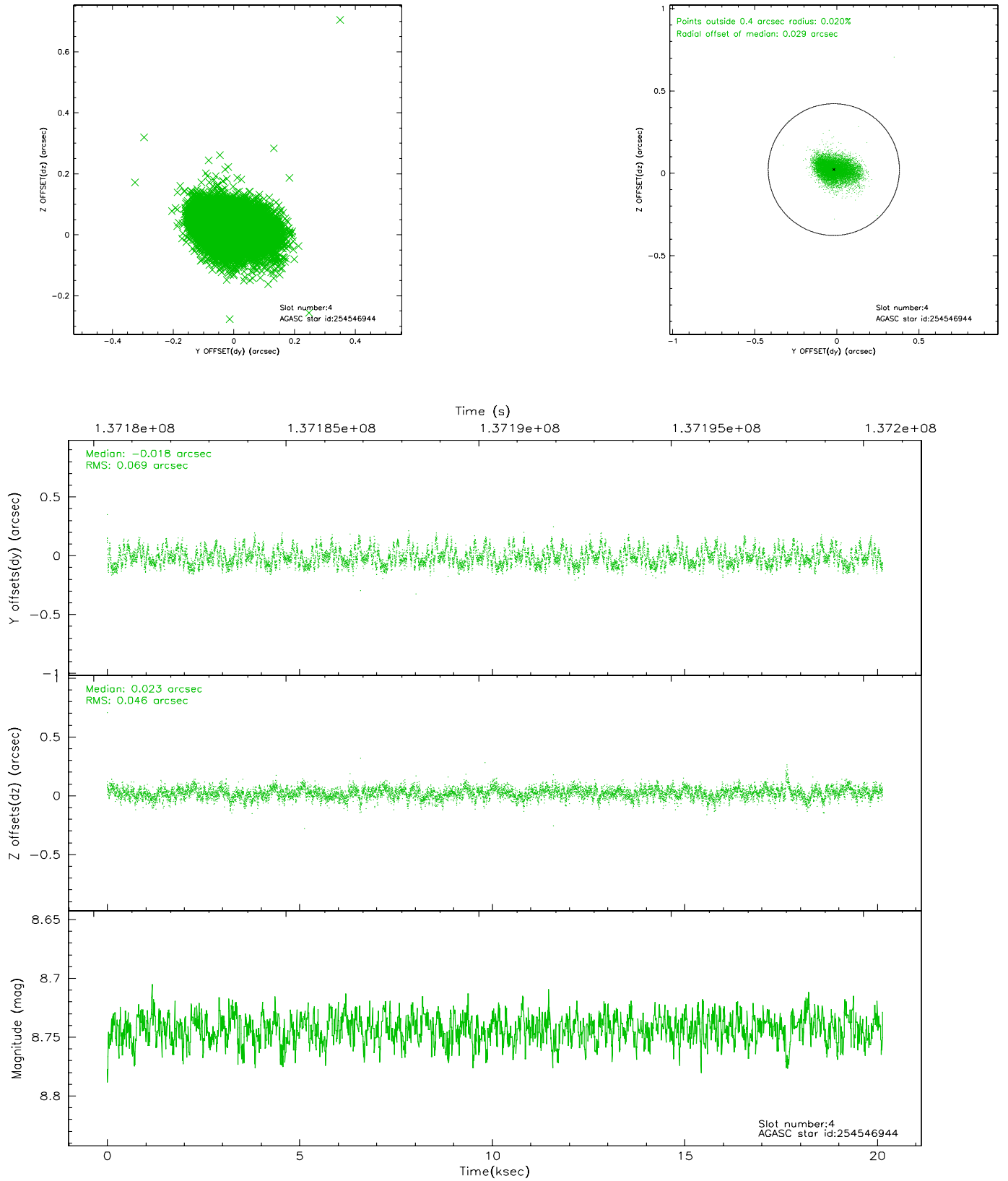


## 2.4 Star Slots

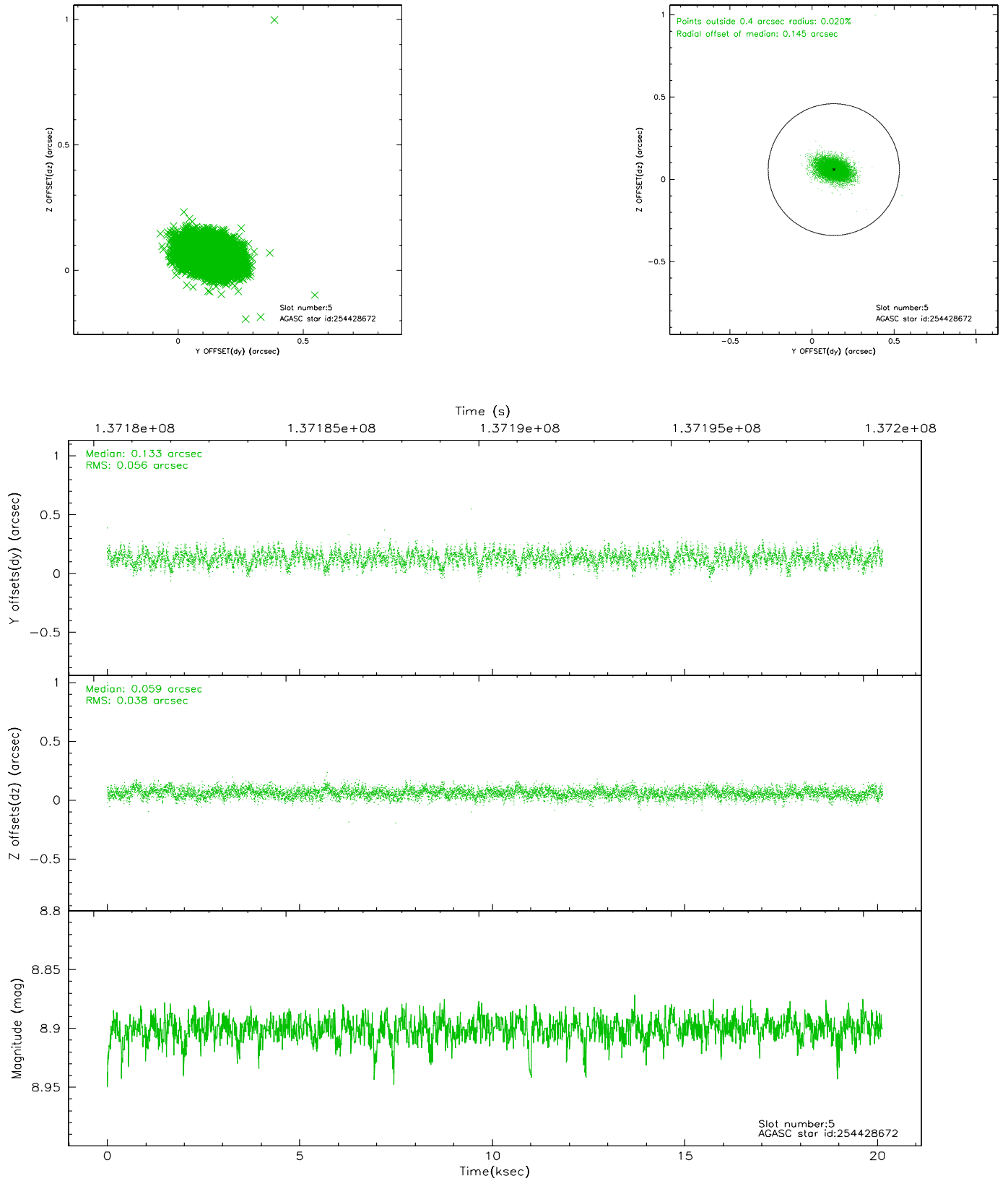
### 2.4.1 Slot 3



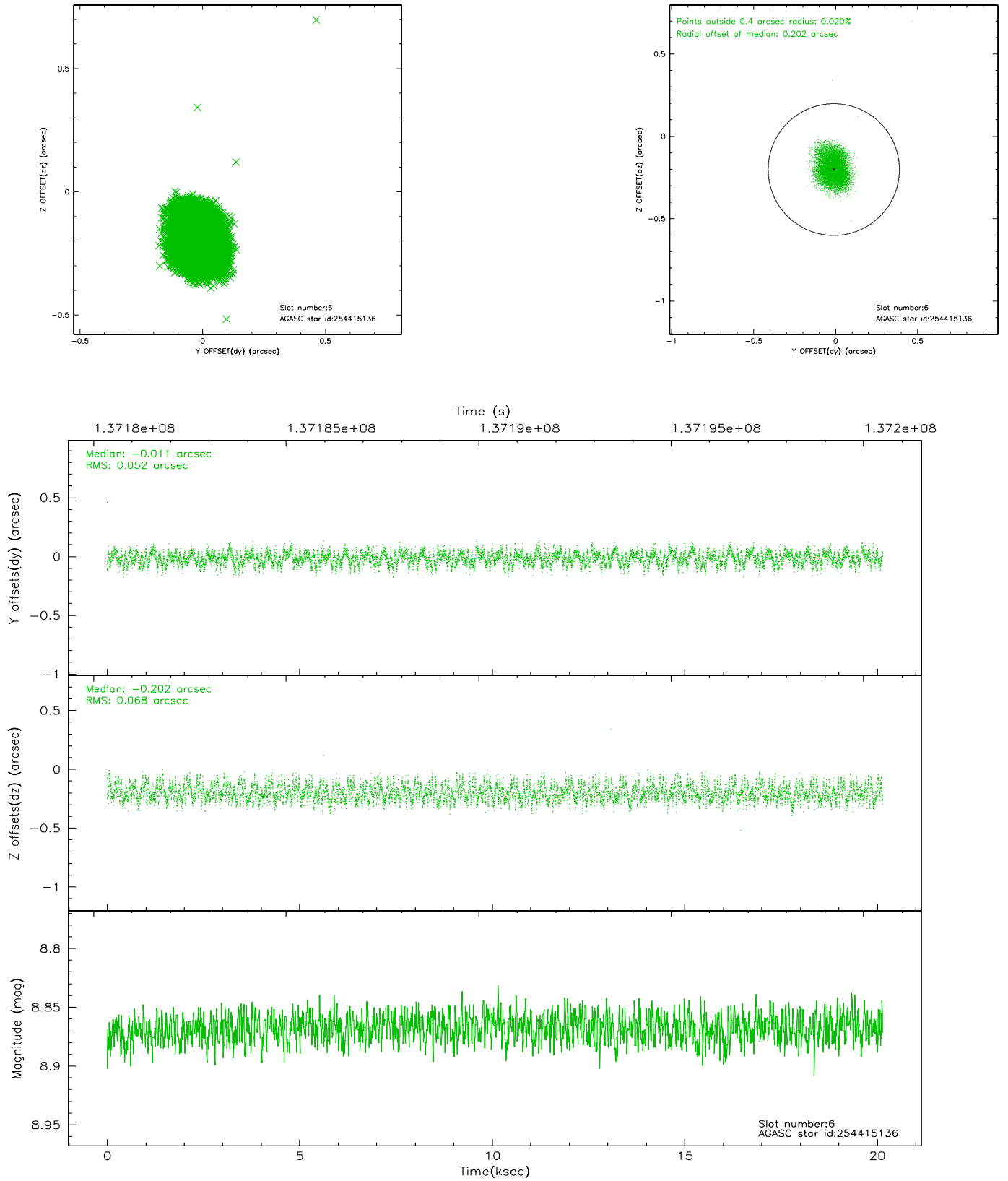
## 2.4.2 Slot 4



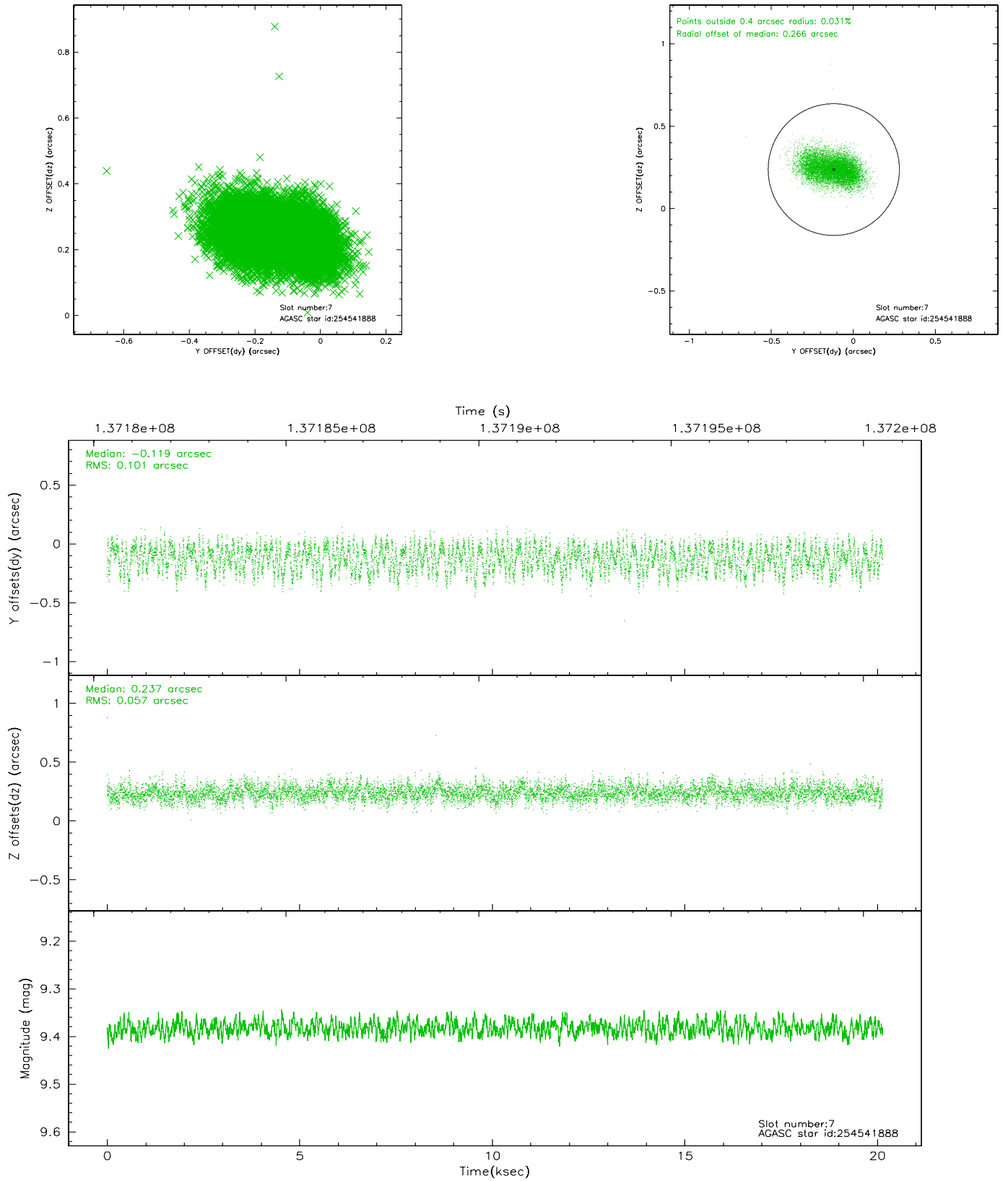
### 2.4.3 Slot 5



## 2.4.4 Slot 6

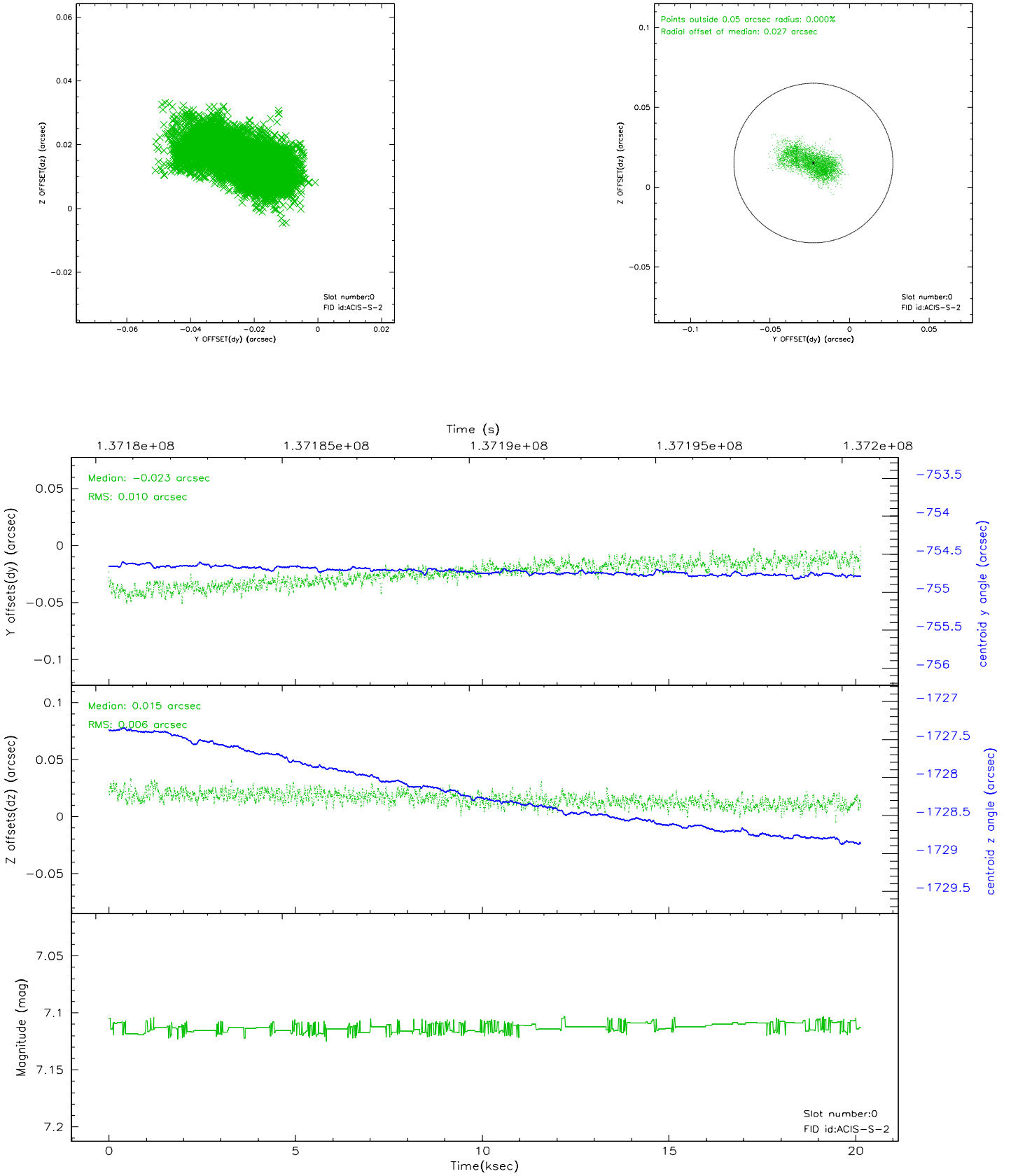


## 2.4.5 Slot 7

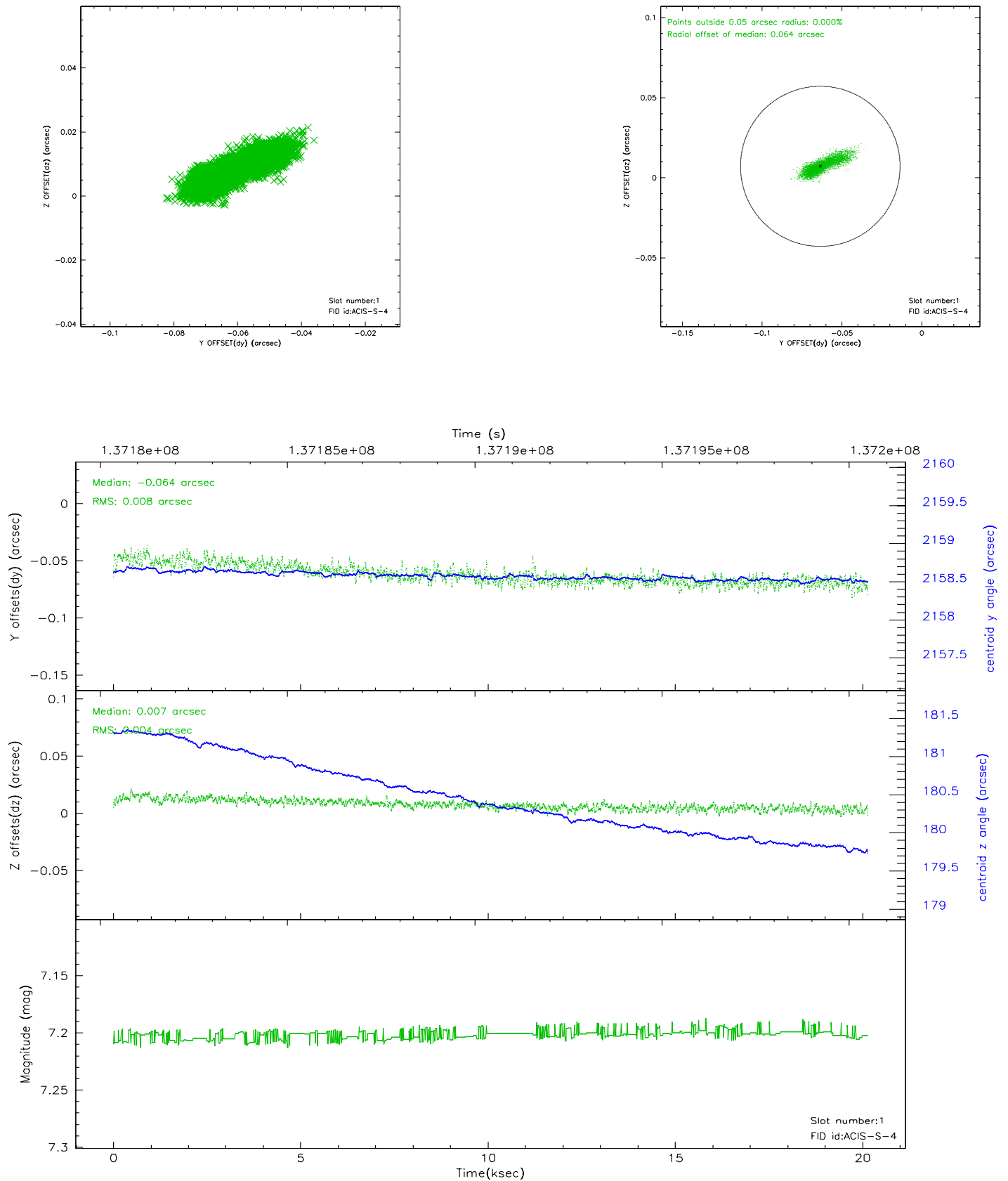


## 2.5 FID Slots

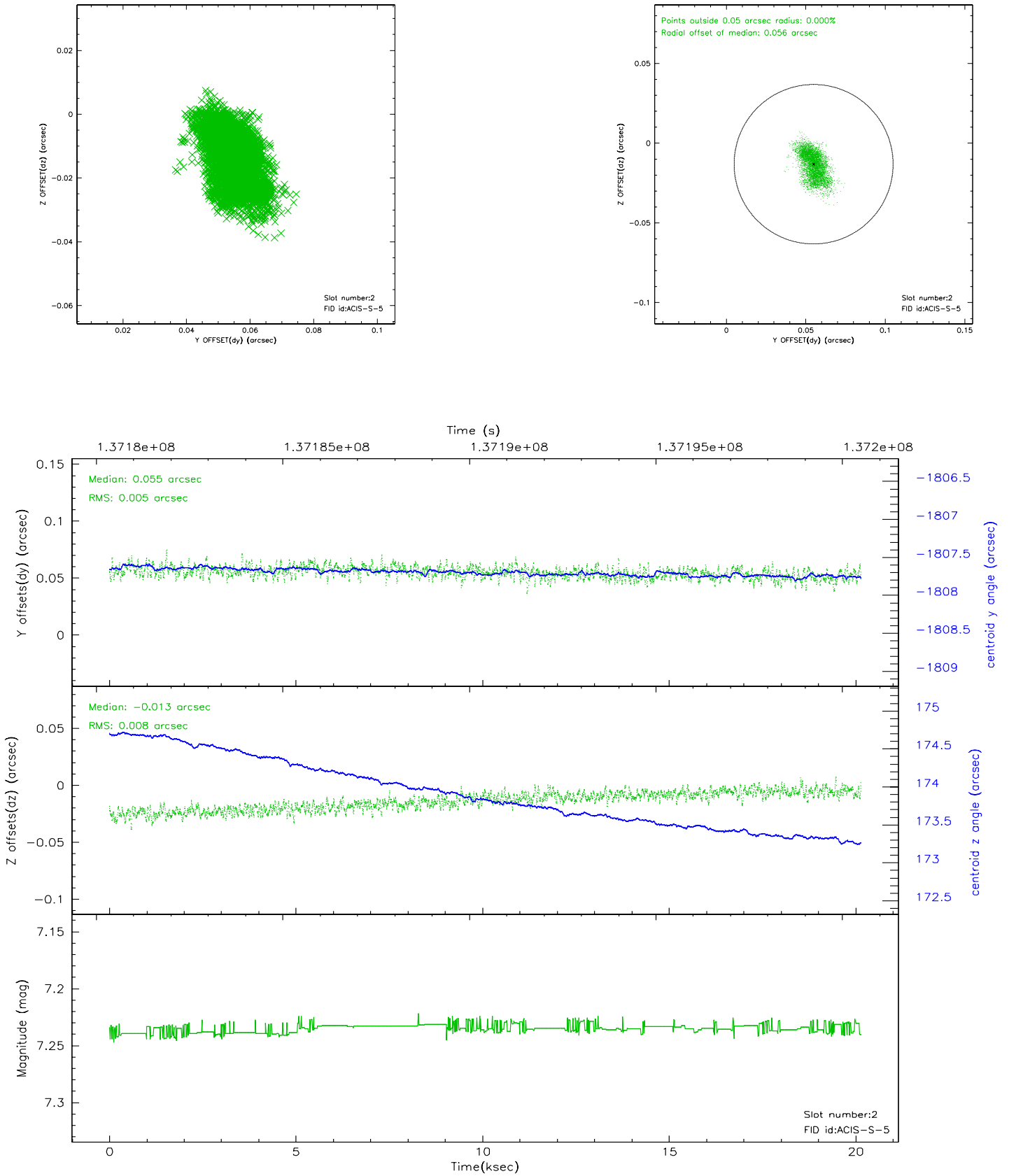
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

4.85 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.142

### A.2 Comments