

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2169 - L2 Version 001  
Chandra X-Ray Center

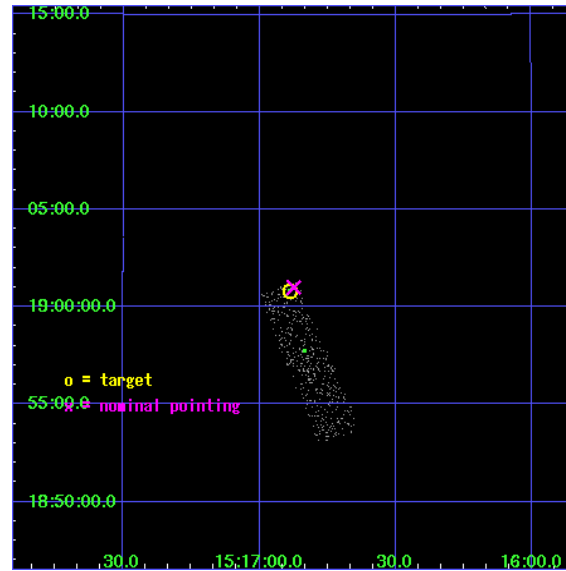
L2 Processing Date : Nov 29 2006

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# 1 Front

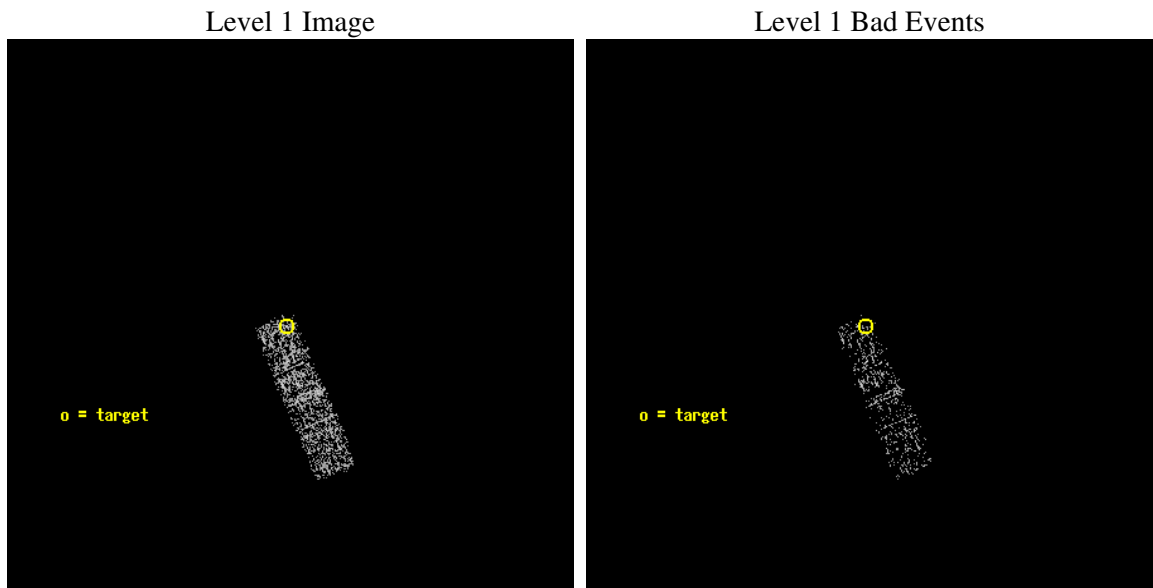
seq_num	700359
obs_id	2169
title	RED QUASARS AND THE X-RAY BACKGROUND
observer	Dr. BELINDA WILKES
object	2MASSJ151653+1900
dtcycle	0
cycle	P
ra_targ	229.221667
dec_targ	19.013444
ra_nom	229.21834685225
dec_nom	19.016602790002
roll_nom	156.57129695038
revision	2
ontime	1189.5999955684
livetime	1131.5514083215
ontime3	1189.5999955684
l2events	508



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-29T11:38:16
revision	2

sched_exp_time	1000.000000
ontime	2457.492045328
ontime3	2457.492045328
l1events	6531

### 2.1.4 Events

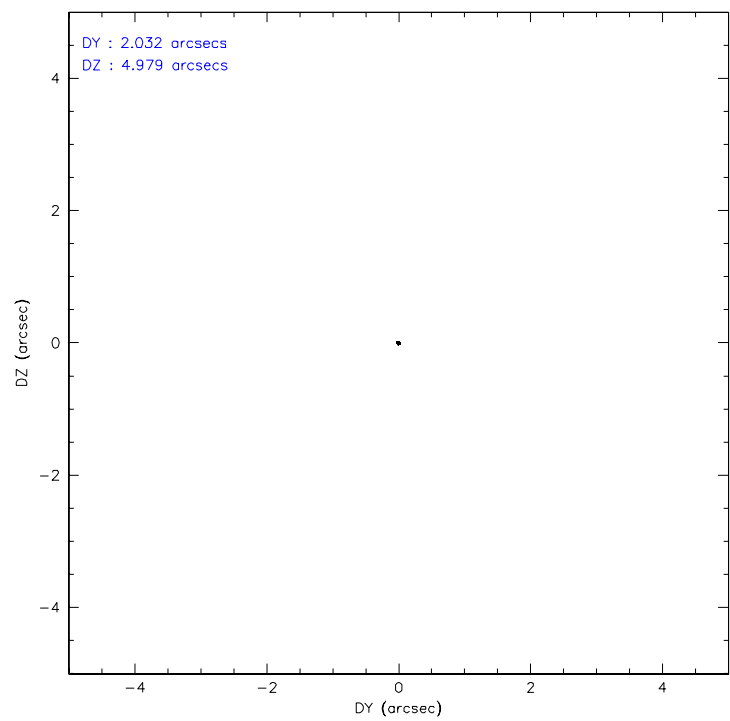
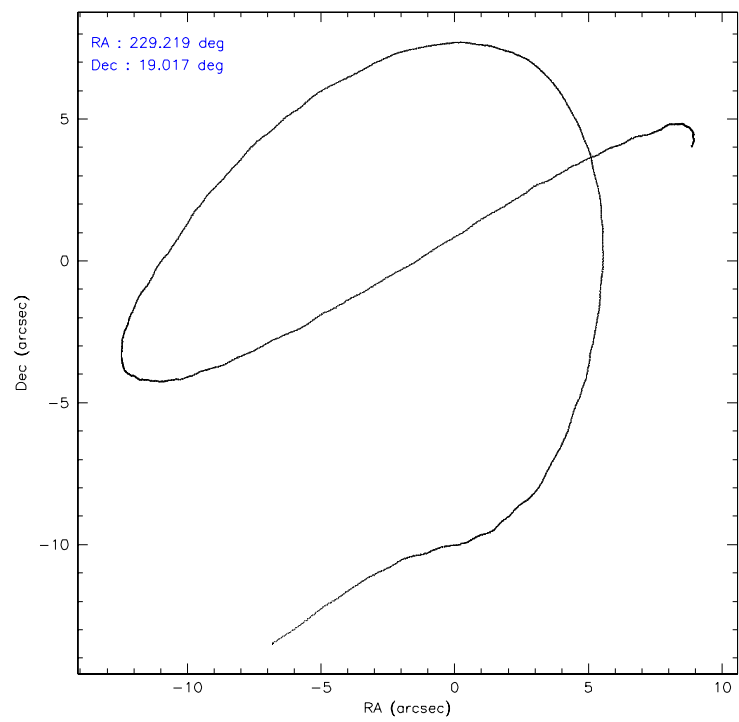
	<b>ccd 3</b>
level 1 events	6531
rejected events	5966
rejected %	91%

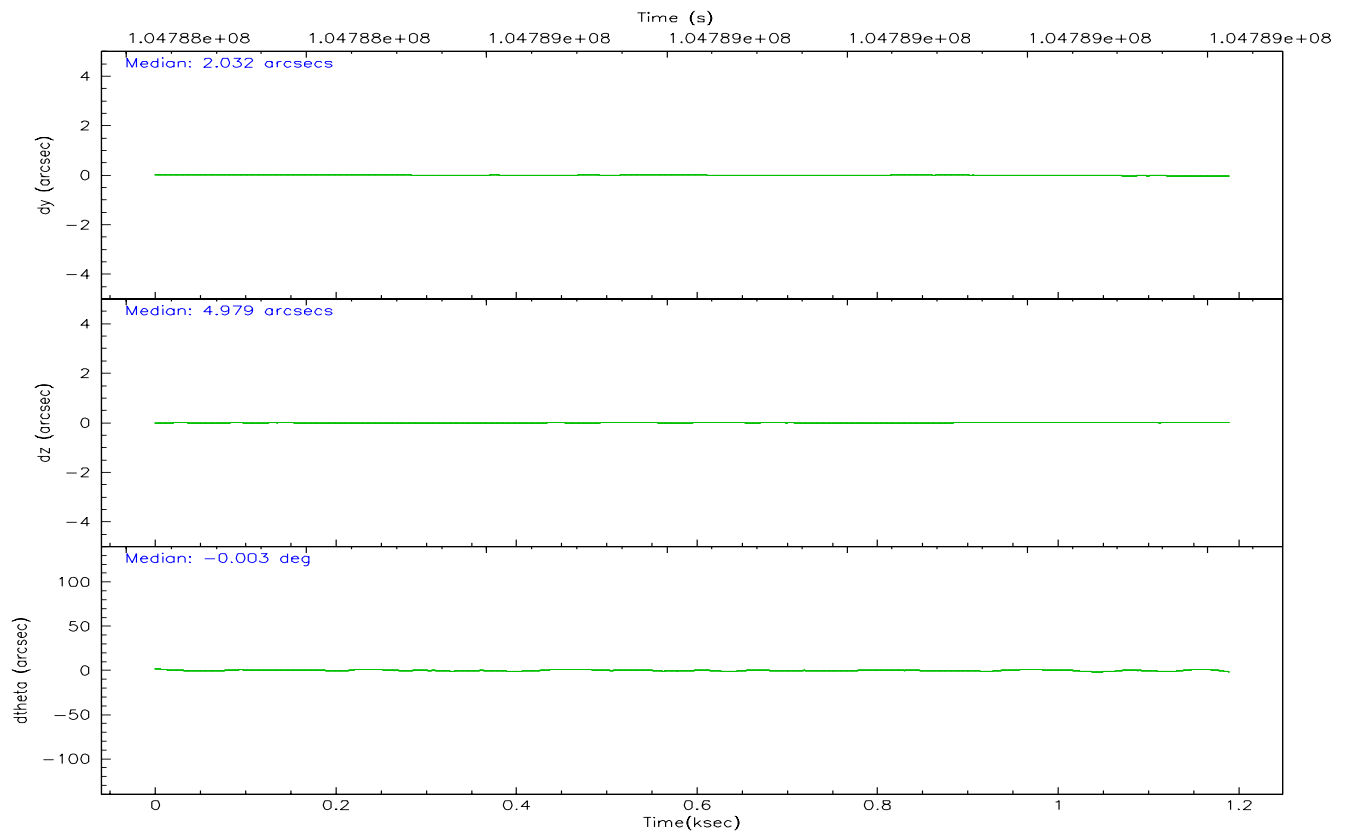
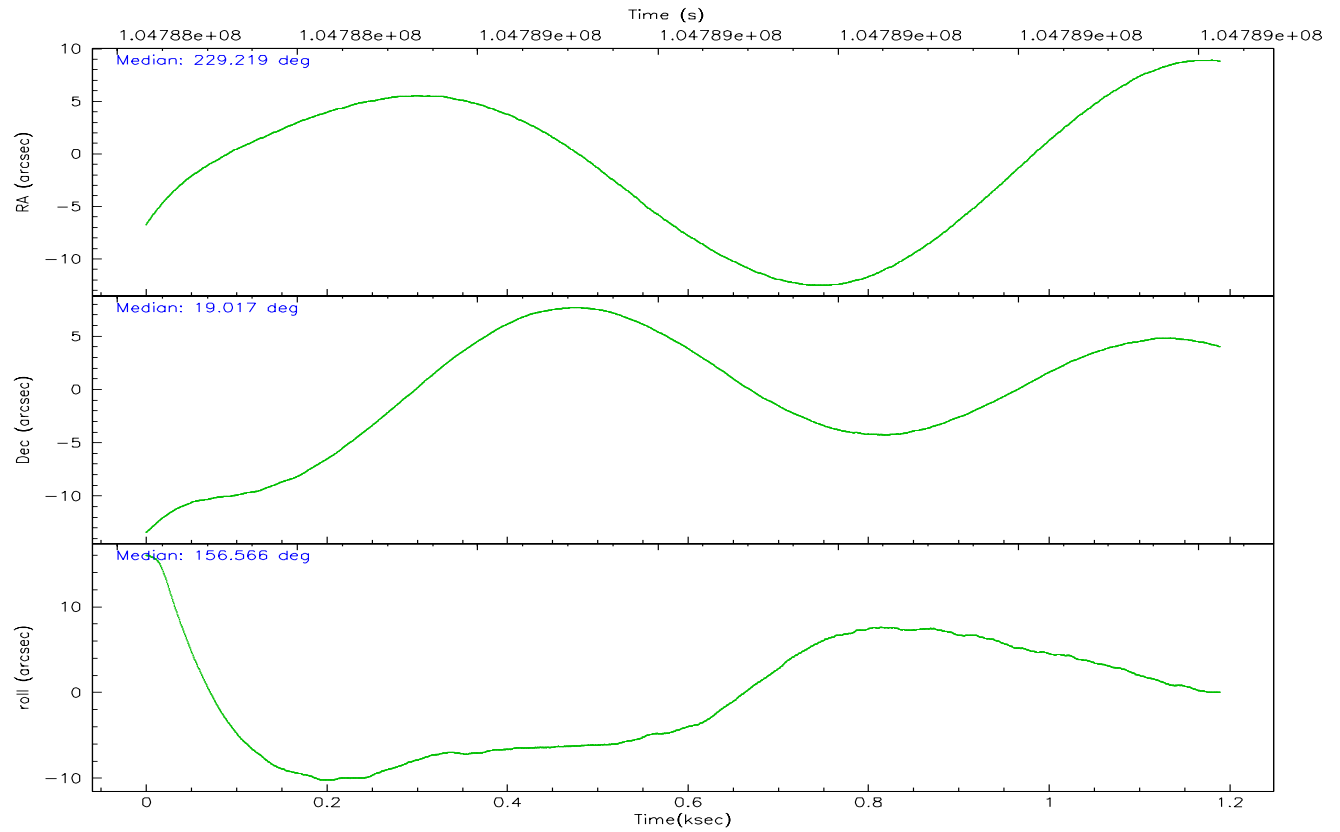
	<b>ccd 3</b>
grade 0 events	318
	4%
grade 1 events	2
	0%
grade 2 events	267
	4%
grade 3 events	108
	1%
grade 4 events	92
	1%
grade 5 events	142
	2%
grade 6 events	237
	3%
grade 7 events	5365
	82%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	229.247044	229.2183468522451	Subarray requested	1/4	1/4
Pointing Dec	19.020043	19.01660279000203	Subarray start row	0	769
Pointing Roll	156.353063	156.5712969503848	Subarray row count	1024	256
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001439871863259334	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	104788422.184000	104786964.7033			
Observation start date	2001-04-27T19:52:38	2001-04-27T19:29:24			
Observation end time	104789422.184000	104789942.32841			
Observation end date	2001-04-27T20:09:18	2001-04-27T20:19:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect





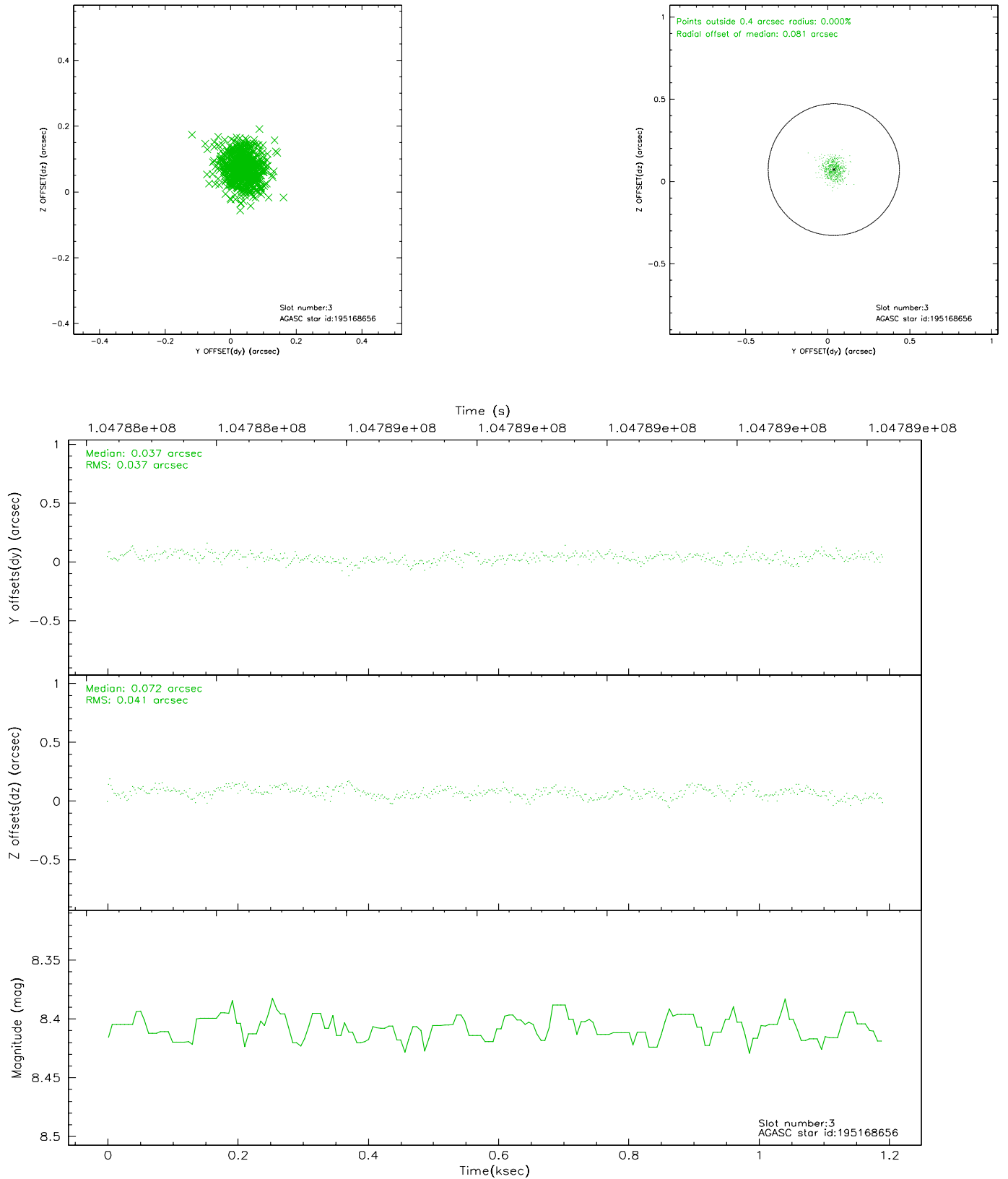
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	291	-0.021	-0.026	0.009	0.015	0.000000	0.000000	-756.40	-834.71
1	FID	ACIS-I-4	7.19	291	-0.052	0.029	0.004	0.008	0.000000	0.000000	2155.08	1068.75
2	FID	ACIS-I-5	7.23	291	-0.027	0.066	0.008	0.013	0.000000	0.000000	-1803.04	1072.96
3	GUIDE	195168656	8.41	582	0.037	0.072	0.059	0.095	229.108463	19.158882	633.13	-269.32
4	GUIDE	195167760	8.68	582	-0.148	0.091	0.078	0.134	229.245642	19.645231	909.01	-2060.43
5	GUIDE	195301576	8.80	582	0.022	-0.085	0.067	0.103	229.568288	18.854985	-1237.94	100.19
6	GUIDE	195168360	9.41	581	0.011	-0.006	0.090	0.145	228.705189	18.743252	1292.10	1651.00
7	GUIDE	195298984	9.96	581	0.077	-0.062	0.111	0.171	229.641033	18.827425	-1504.11	97.57

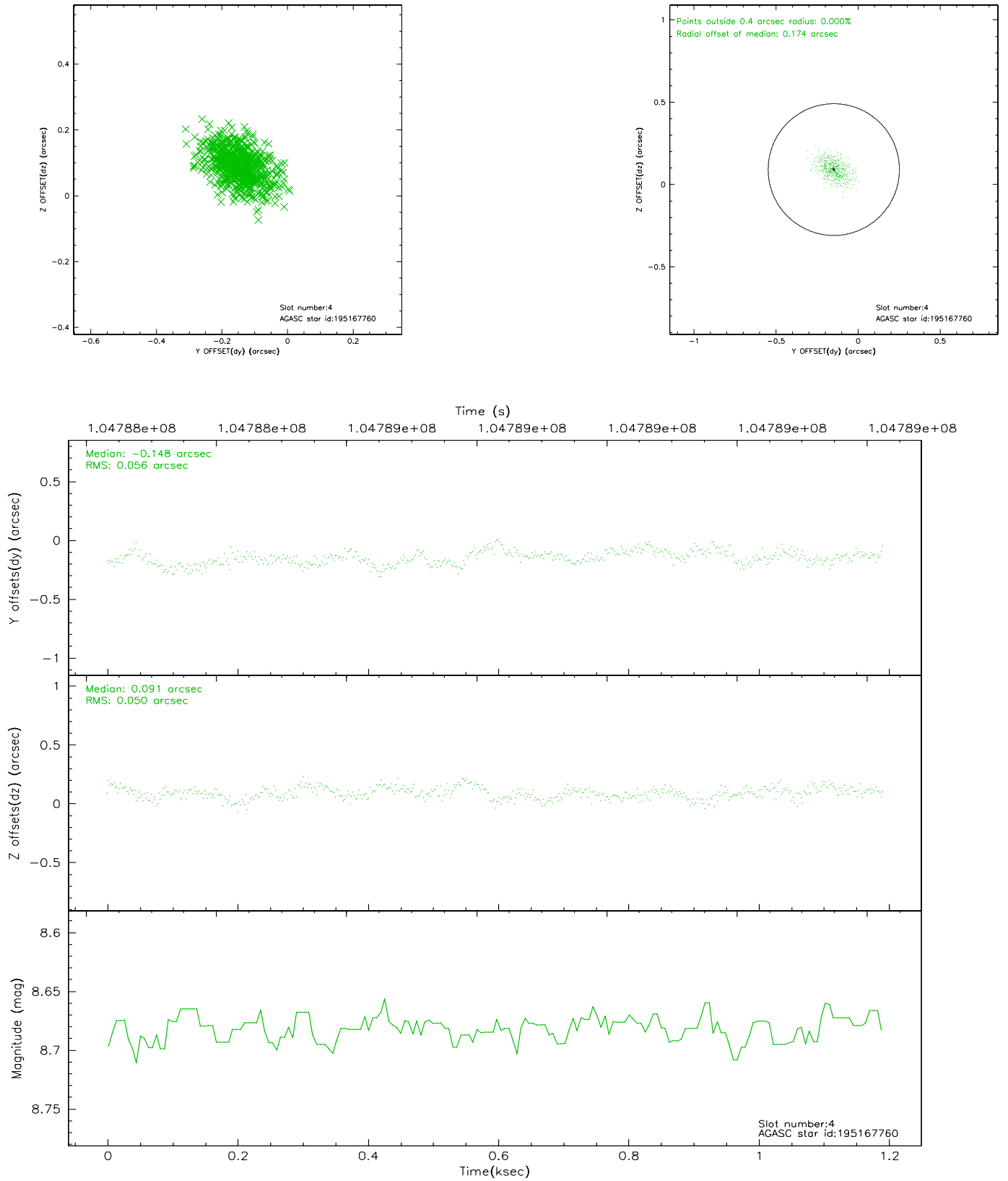


## 2.4 Star Slots

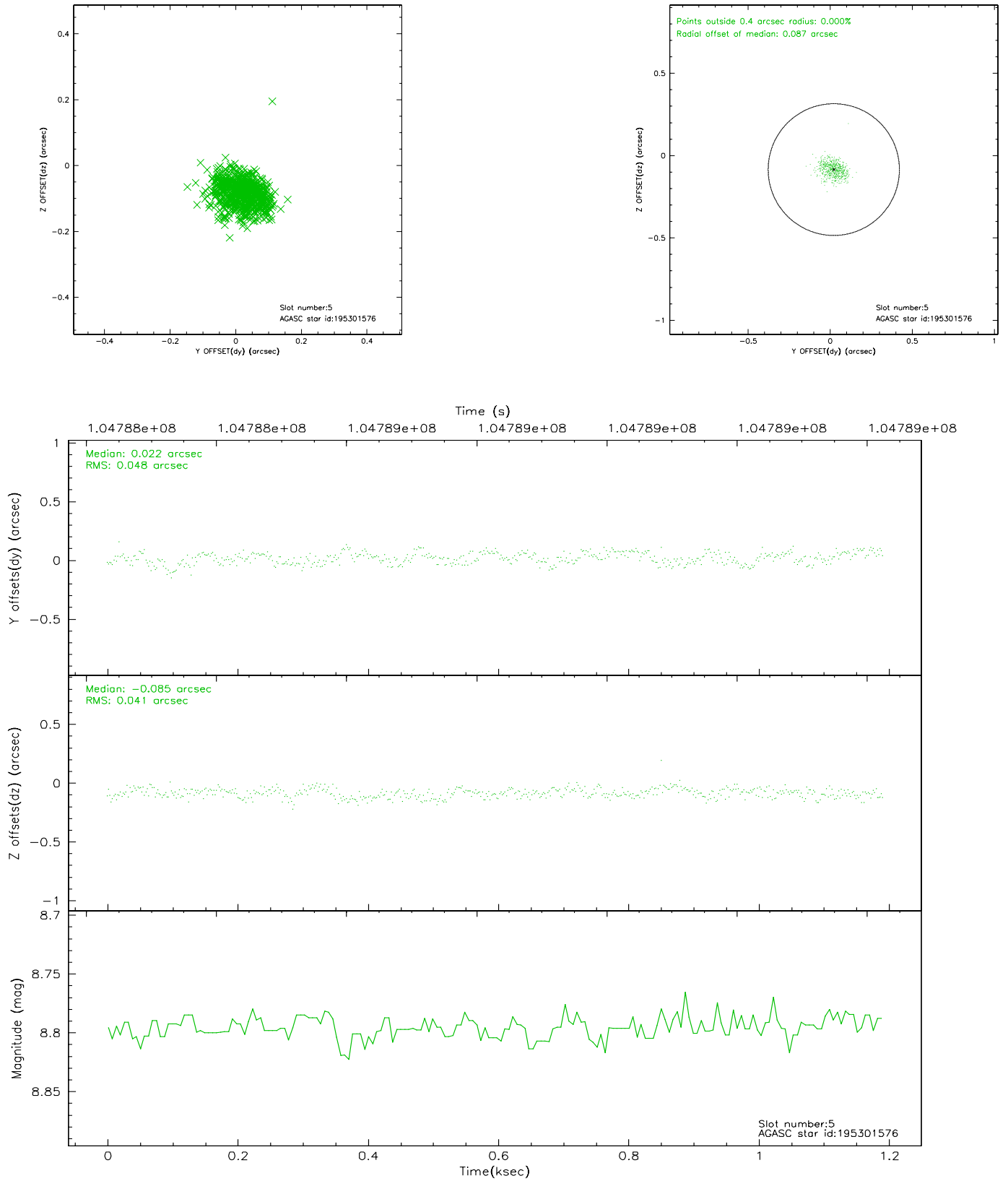
### 2.4.1 Slot 3



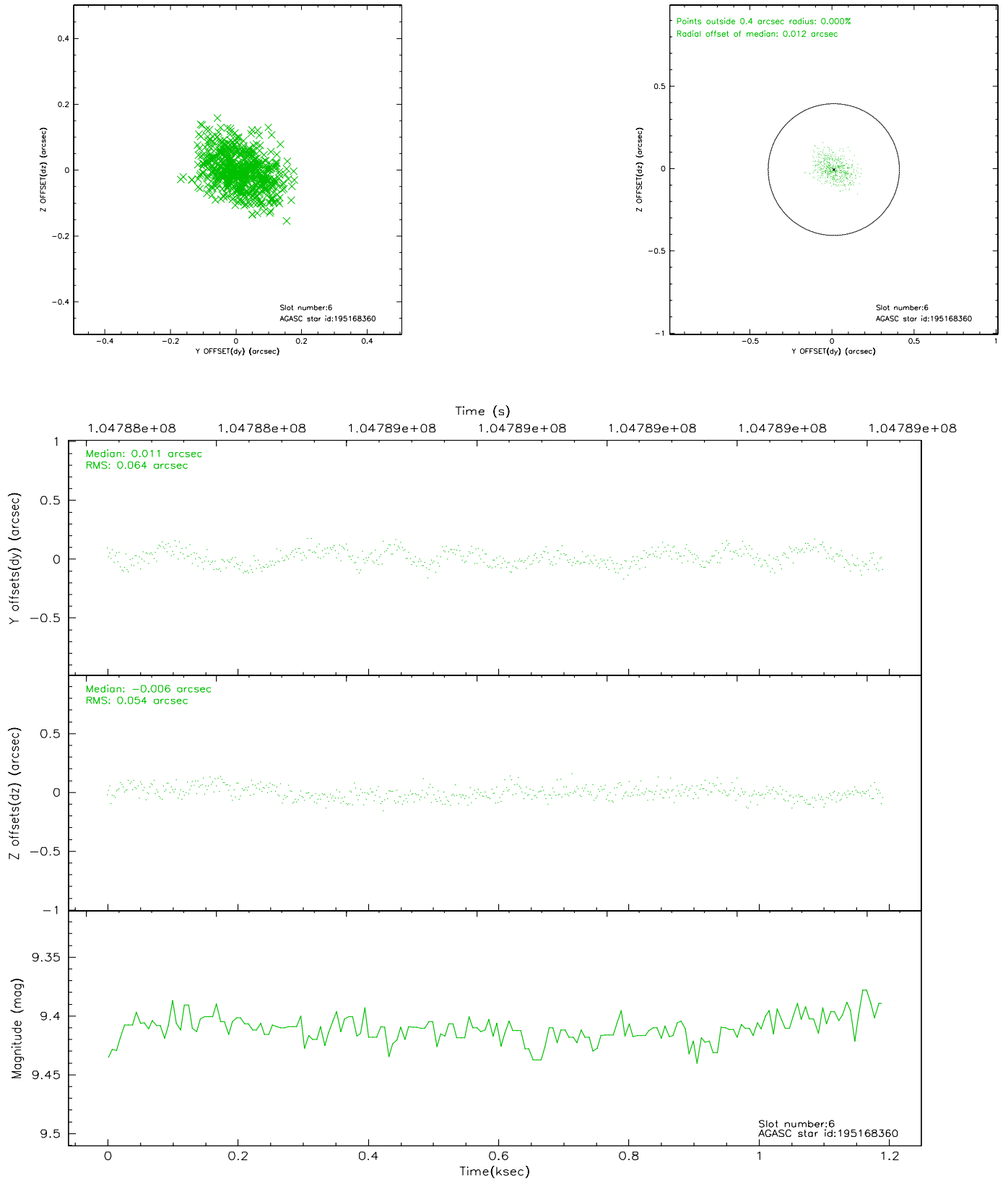
## 2.4.2 Slot 4



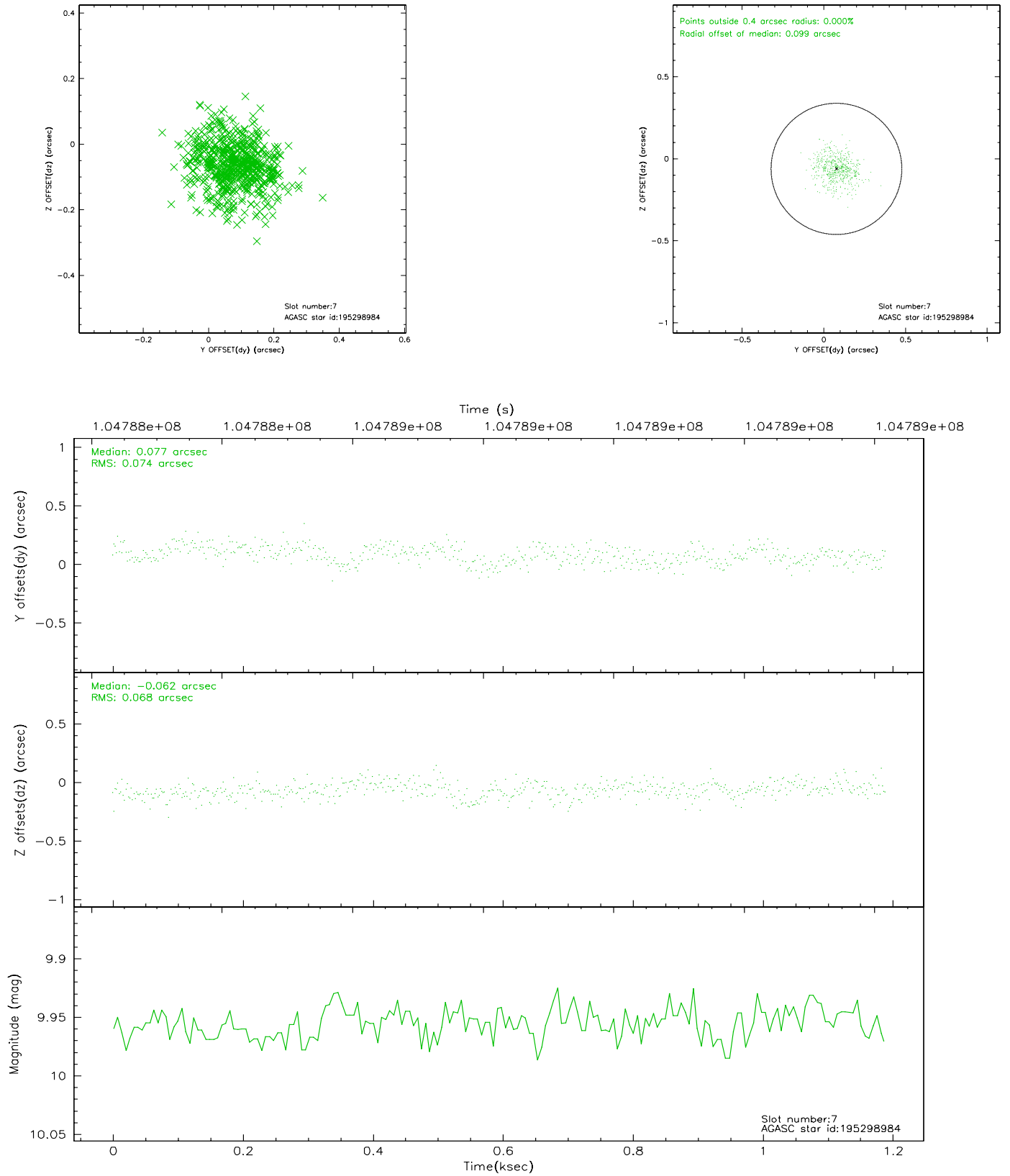
### 2.4.3 Slot 5



## 2.4.4 Slot 6

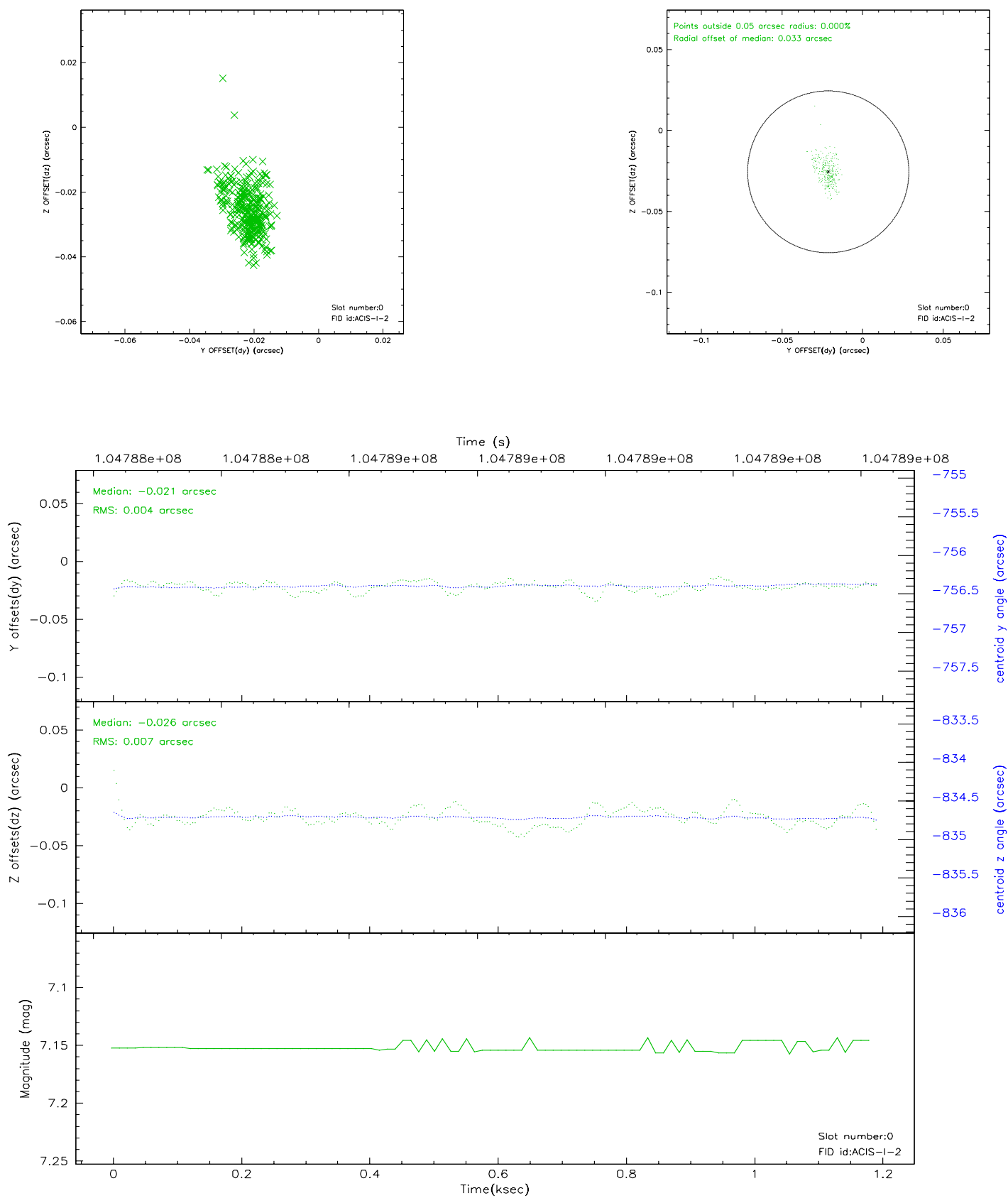


## 2.4.5 Slot 7

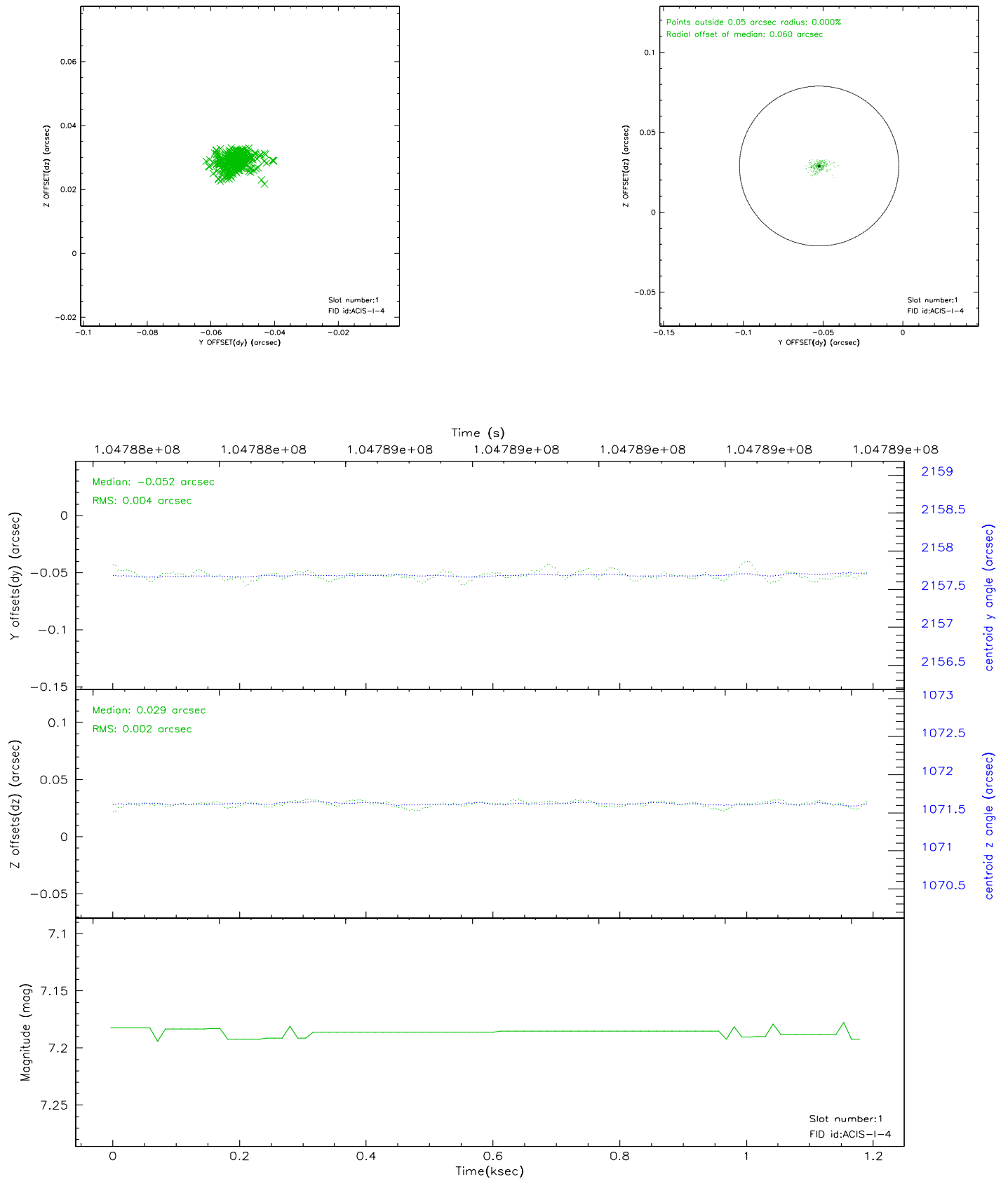


## 2.5 FID Slots

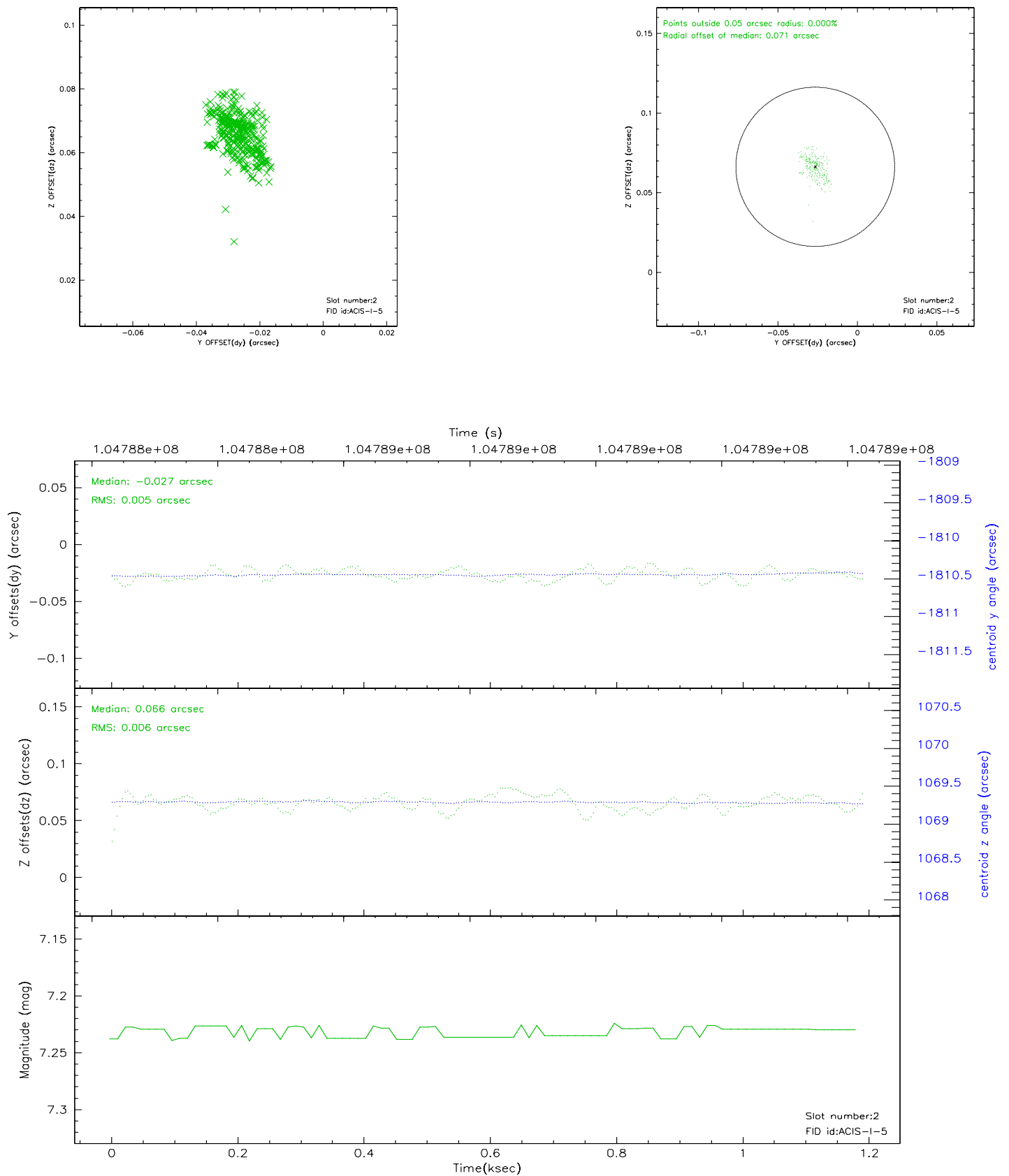
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

3.30 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.189

### A.2 Comments