

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2133 - L2 Version 001  
Chandra X-Ray Center

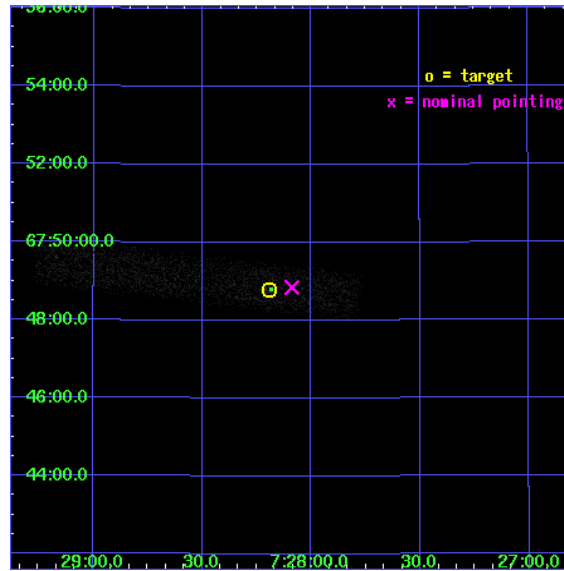
L2 Processing Date : Nov 2 2006

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# 1 Front

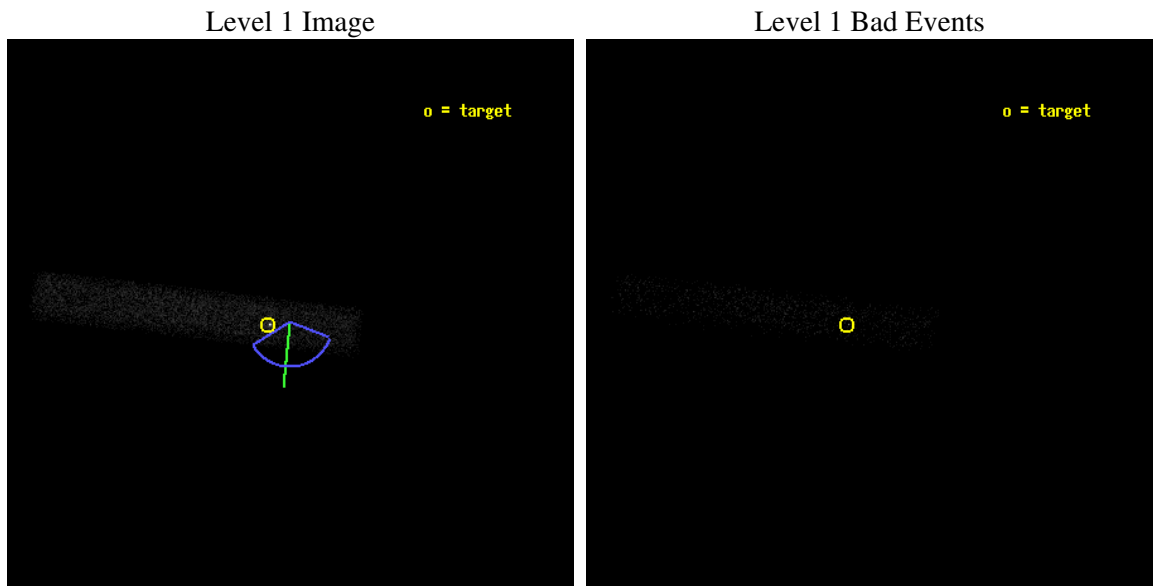
seq_num	700323
obs_id	2133
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN
observer	Dr. Rita Sambruna
object	0723+679
dtcycle	0
cycle	P
ra_targ	112.048333
dec_targ	67.813333
ra_nom	112.02222803155
dec_nom	67.813960502873
roll_nom	186.51575227088
revision	2
ontime	10291.559113368
livetime	9333.9008827938
ontime7	10291.559113368
l2events	6733



## 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
caldsver	3.2.3
date	2006-11-02T22:07:09
revision	2

sched_exp_time	10000.000000
ontime	10847.247856647
ontime7	10847.247856647
l1events	13575

### 2.1.4 Events

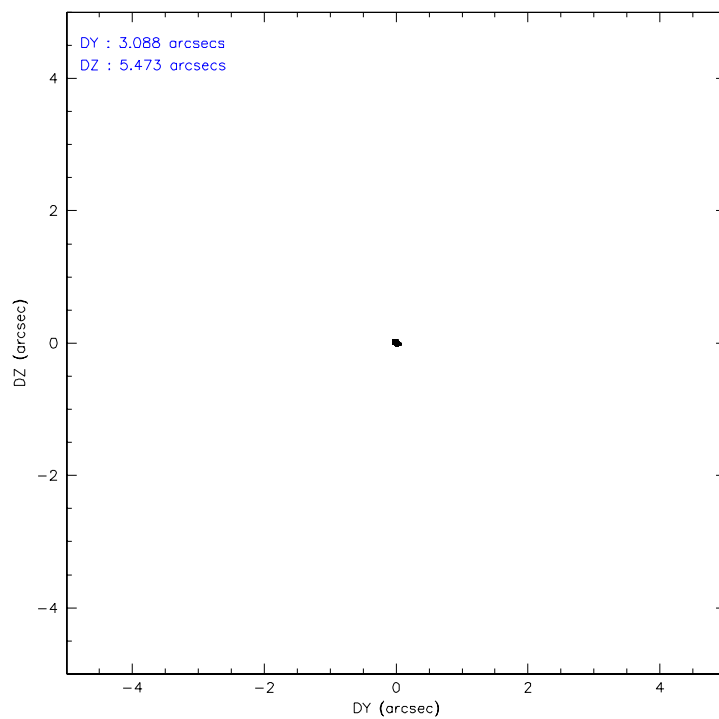
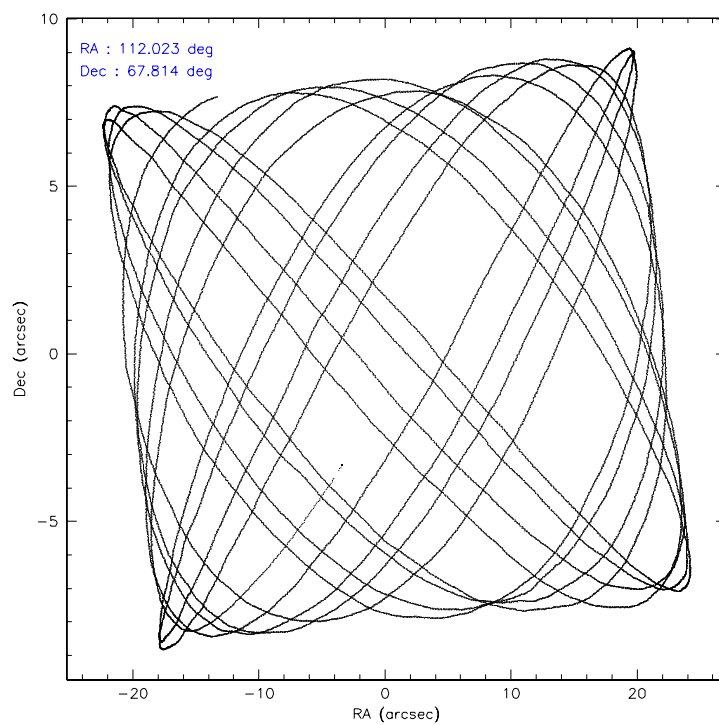
	<b>ccd 7</b>
level 1 events	13575
rejected events	6620
rejected %	48%

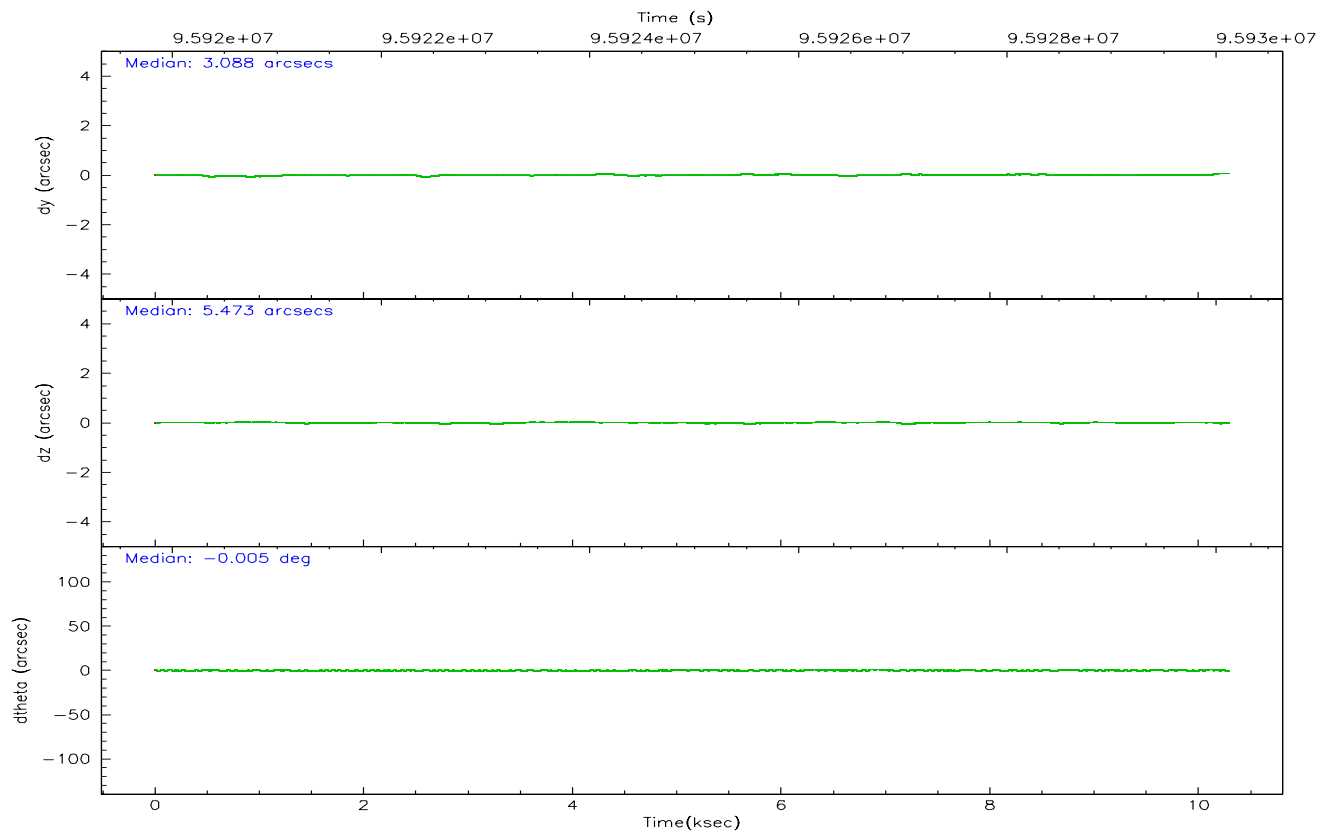
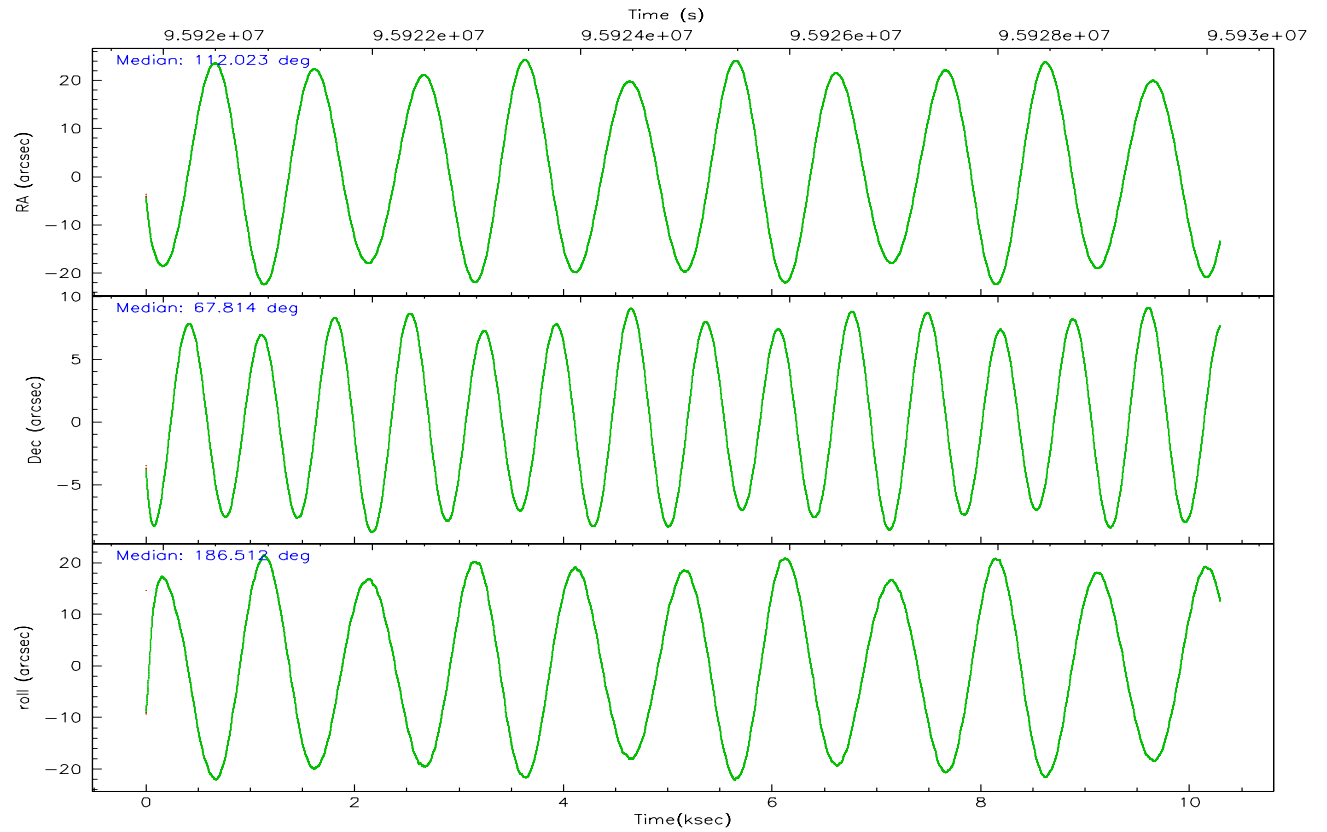
	<b>ccd 7</b>
grade 0 events	1128
	8%
grade 1 events	13
	0%
grade 2 events	1632
	12%
grade 3 events	823
	6%
grade 4 events	747
	5%
grade 5 events	837
	6%
grade 6 events	2923
	21%
grade 7 events	5472
	40%

## 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	112.080195	112.0222280315461	Subarray requested	1/8	1/8
Pointing Dec	67.830436	67.81396050287337	Subarray start row	0	449
Pointing Roll	186.305451	186.5157522708826	Subarray row count	1024	128
Roll angle	175.000000	175.000000	Alternating exposures requested	N	N
Roll tolerance	64.000000	64.000000	Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	N	N			
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	95920127.184000	95919119.46074601			
Observation start date	2001-01-15T04:27:43	2001-01-15T04:11:59			
Observation end time	95930127.184000	95930804.46119399			
Observation end date	2001-01-15T07:14:23	2001-01-15T07:26:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect





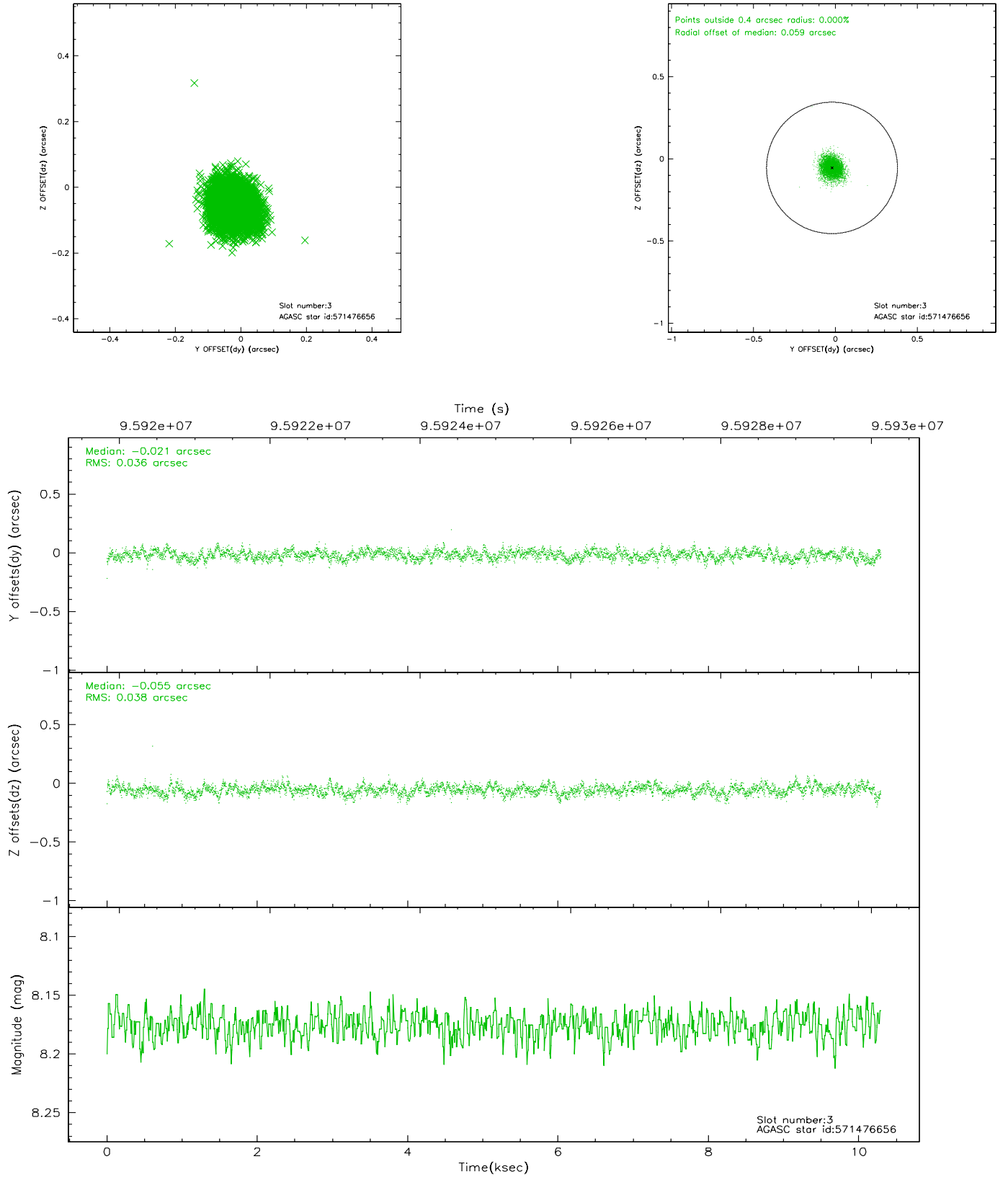
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2510	-0.020	0.028	0.007	0.011	0.000000	0.000000	-755.72	-1726.53
1	FID	ACIS-S-4	7.21	2510	-0.049	0.002	0.005	0.009	0.000000	0.000000	2157.26	181.45
2	FID	ACIS-S-5	7.24	2510	0.037	-0.021	0.006	0.011	0.000000	0.000000	-1807.88	175.61
3	GUIDE	571476656	8.17	5015	-0.021	-0.055	0.056	0.091	111.989788	67.671491	186.15	555.88
4	GUIDE	540410696	8.07	5020	0.019	0.073	0.044	0.073	110.852619	67.228012	1936.93	1952.15
5	GUIDE	540545968	6.91	5020	0.028	-0.021	0.038	0.061	113.923090	67.452723	-2382.27	1594.45
6	GUIDE	571487656	8.57	5019	0.060	0.010	0.057	0.091	111.009474	67.912426	1406.91	-463.74
7	GUIDE	571475128	9.60	5018	-0.086	-0.004	0.097	0.153	113.391030	68.405440	-1954.80	-1884.48

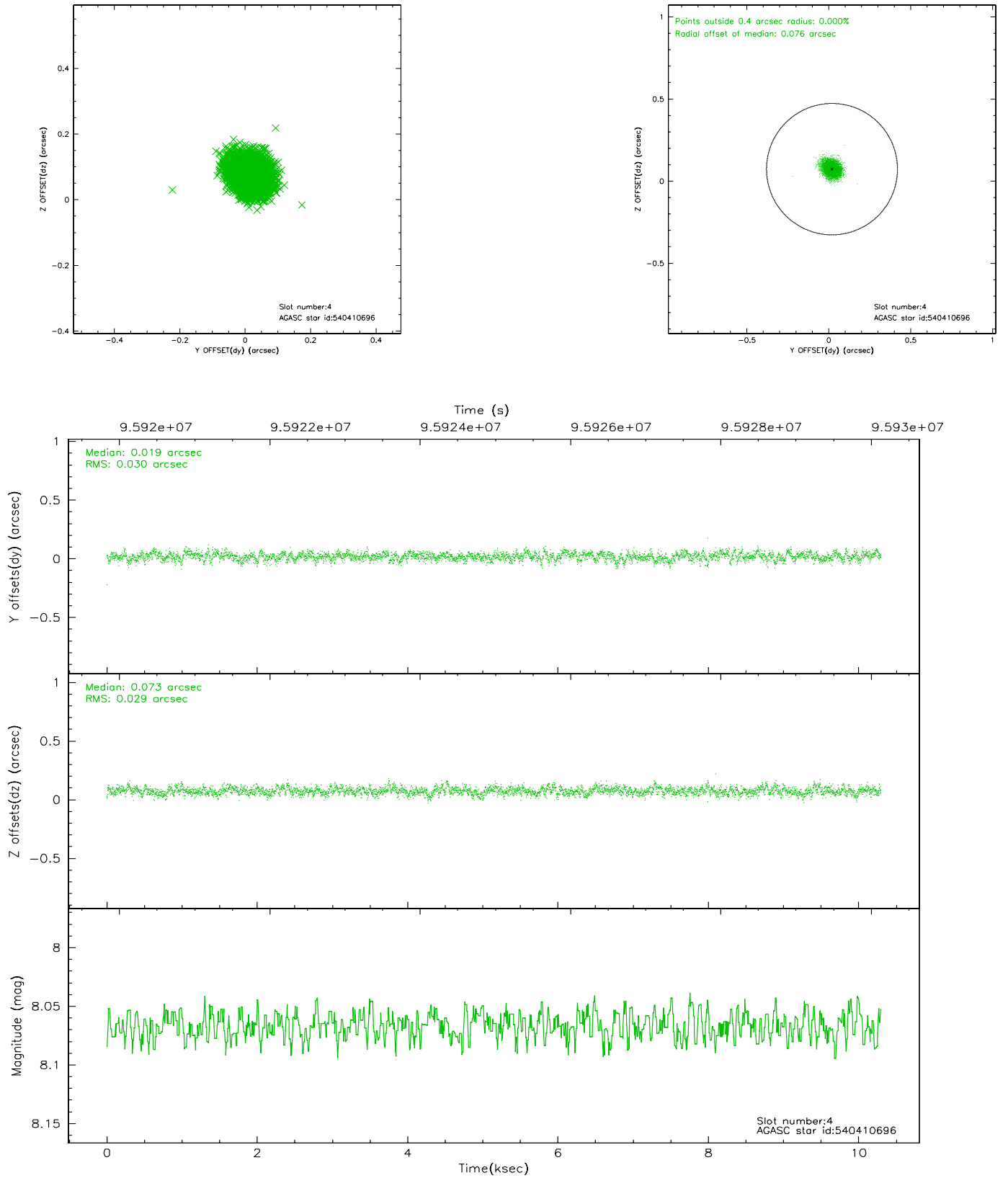


## 2.4 Star Slots

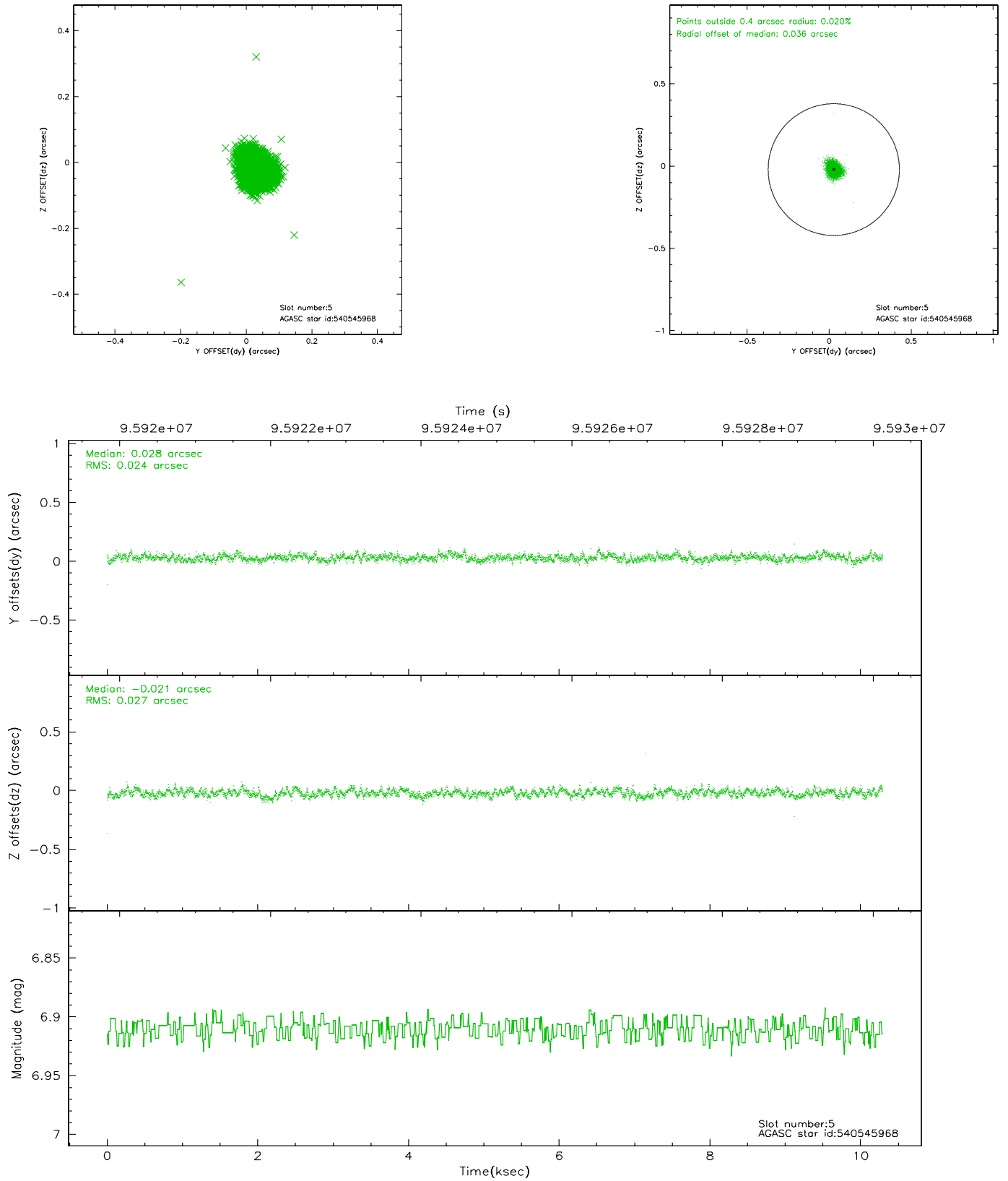
### 2.4.1 Slot 3



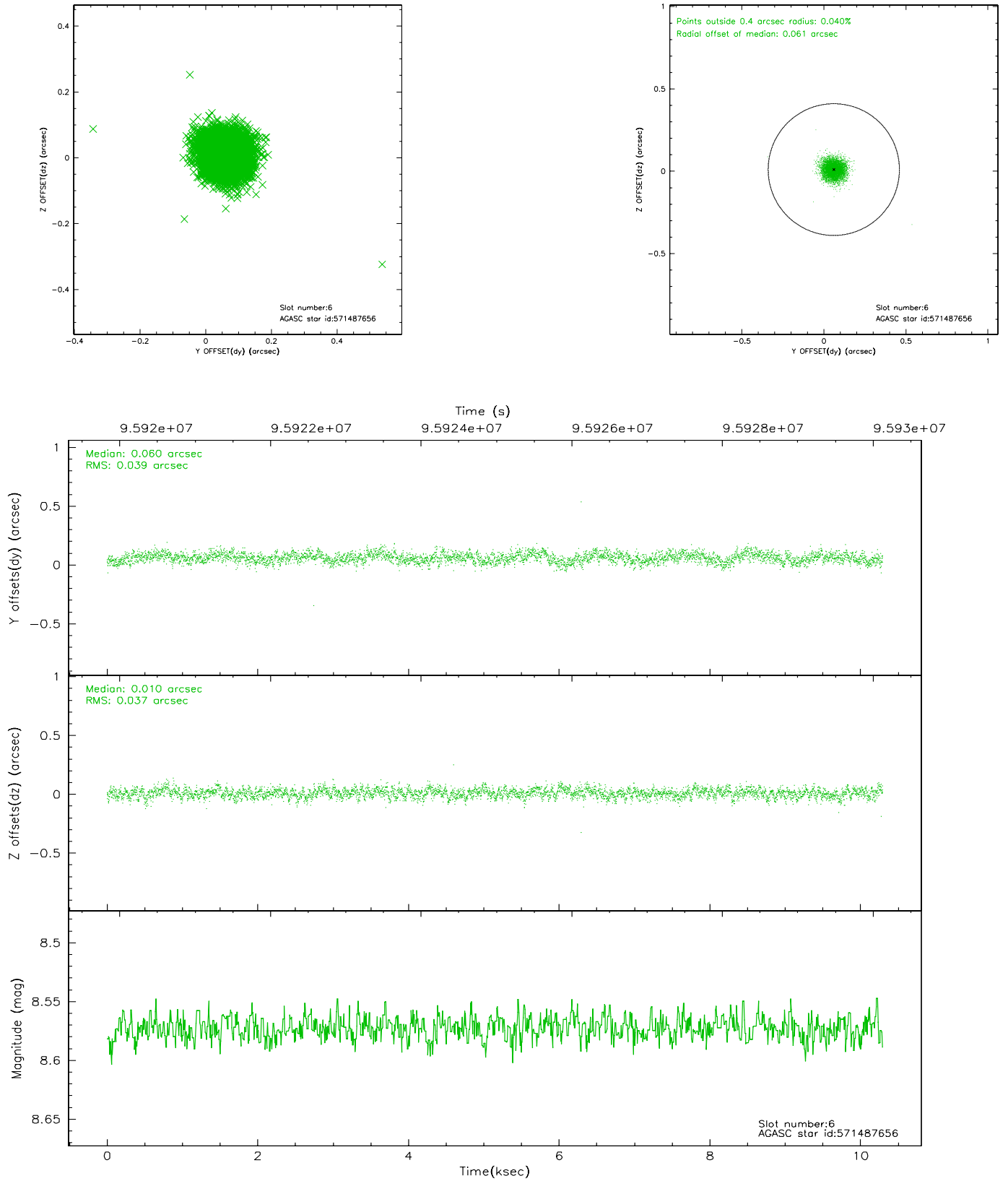
## 2.4.2 Slot 4



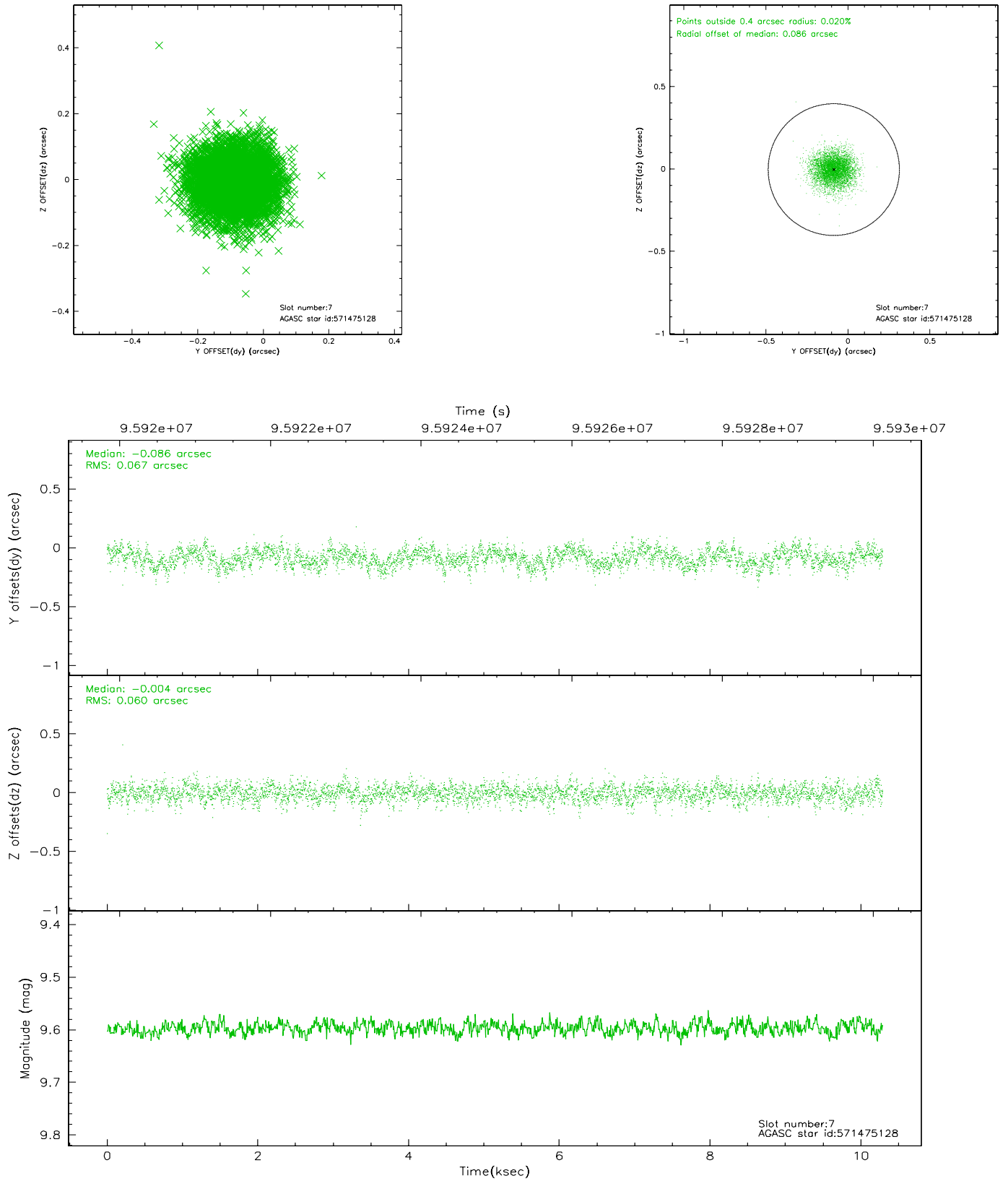
### 2.4.3 Slot 5



## 2.4.4 Slot 6

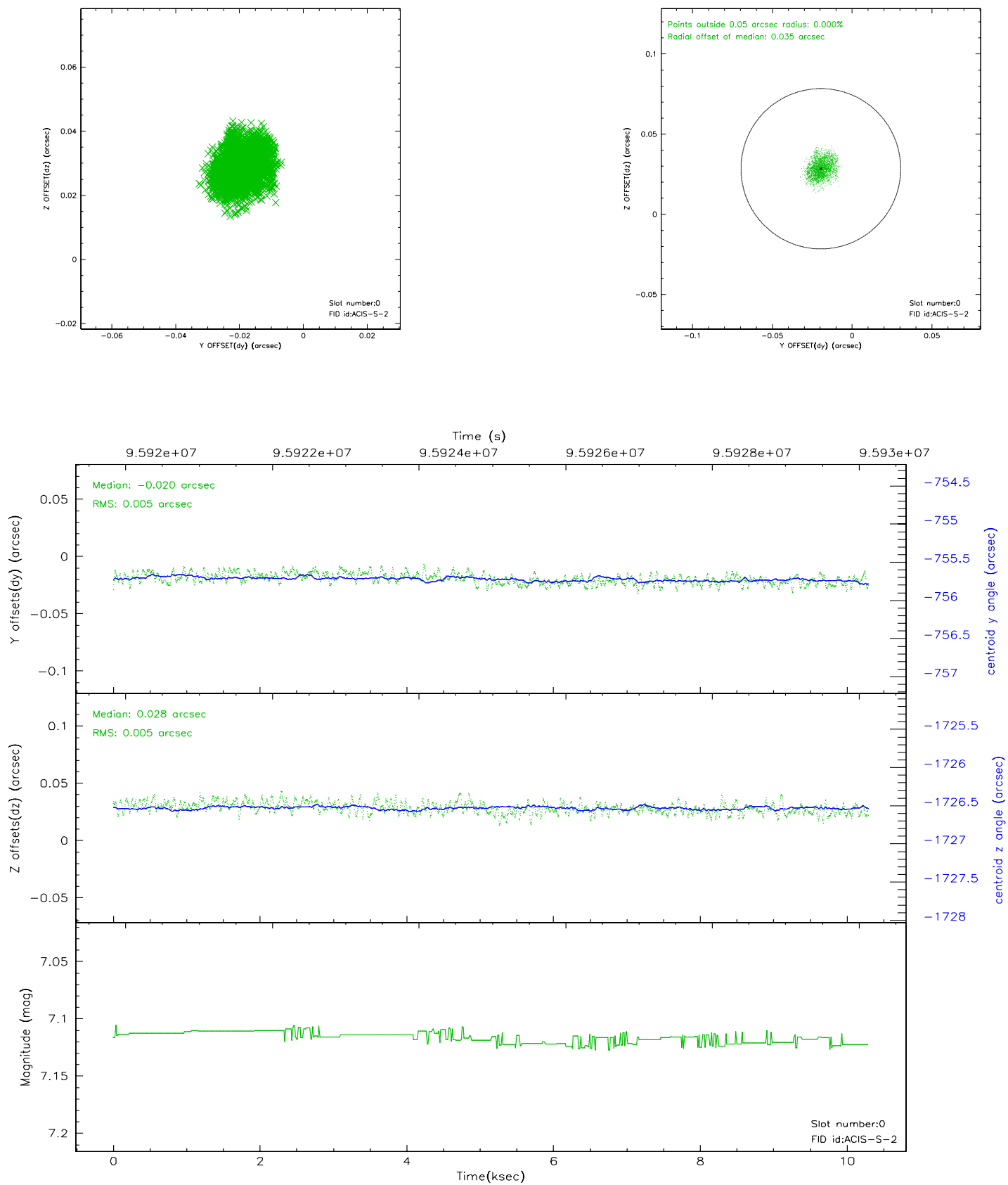


## 2.4.5 Slot 7

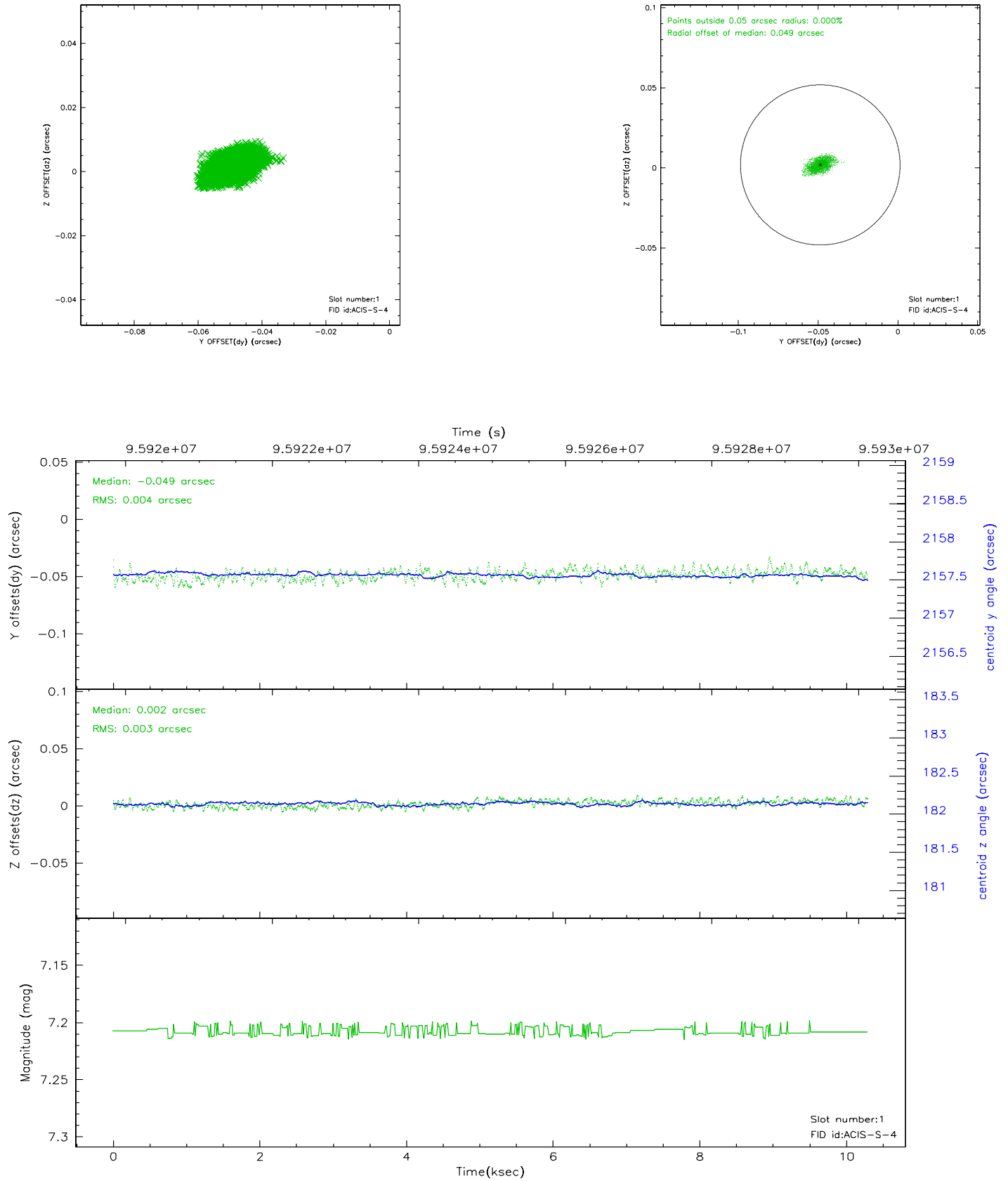


## 2.5 FID Slots

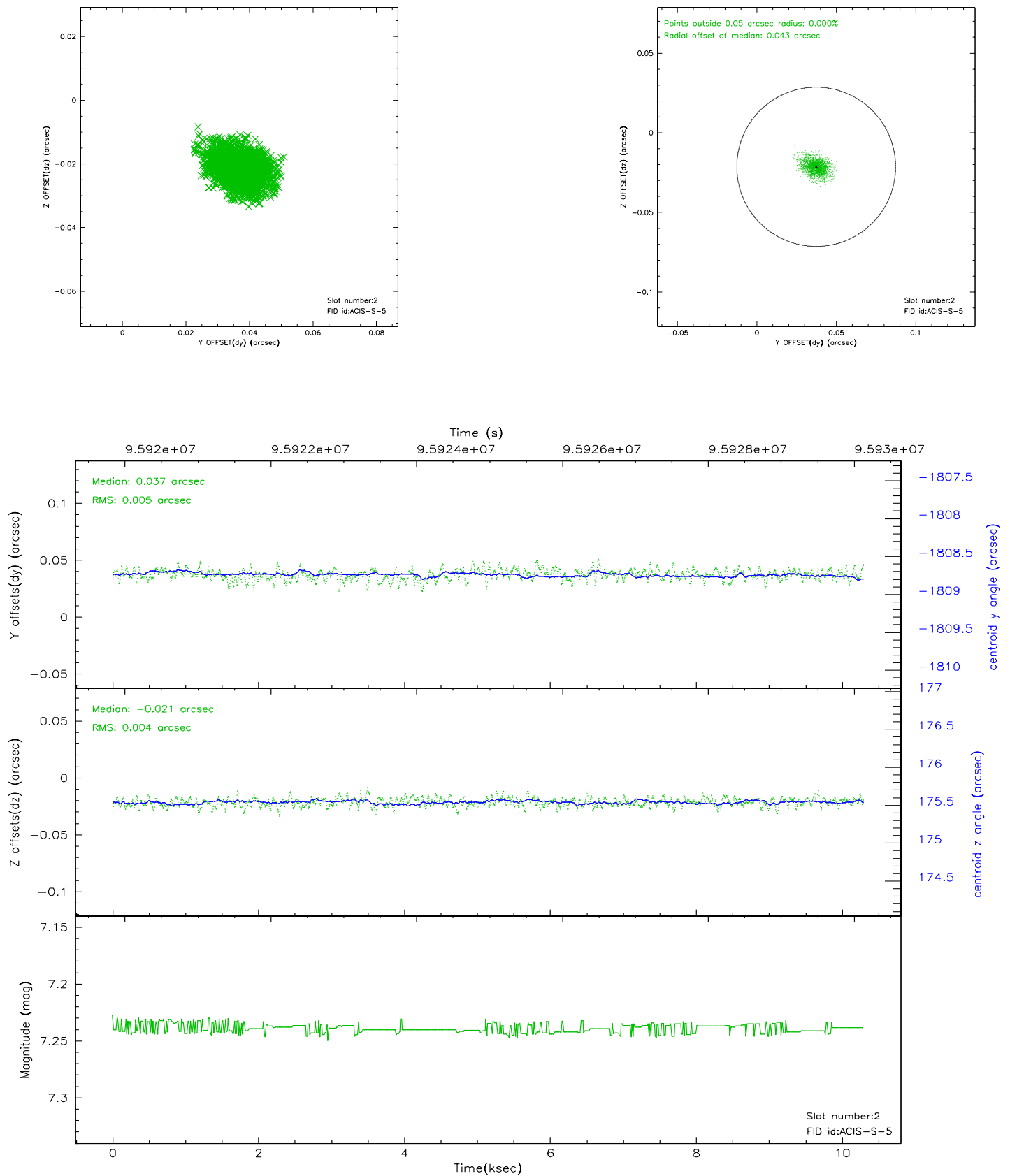
### 2.5.1 Slot 0



## 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)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.291

### A.2 Comments

Roll constraint met.