

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5746 - L2 Version 002  
Chandra X-Ray Center

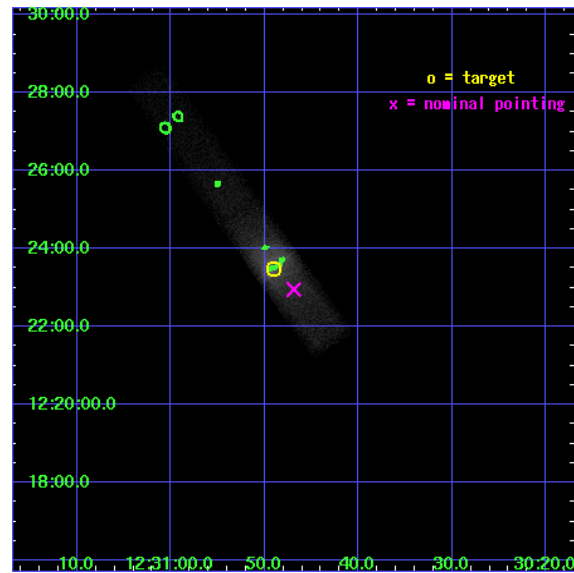
L2 Processing Date: Mar 3 2006

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# 1 Front

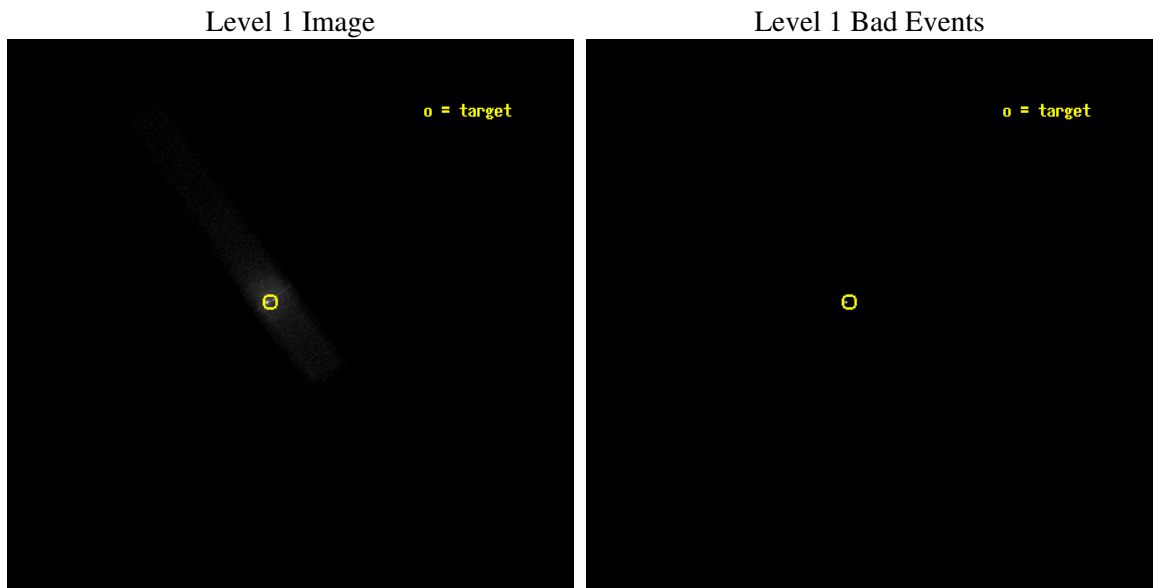
seq_num	701168
obs_id	5746
title	The X-ray Flares of Knot 'HST-1' in the M87 Jet (monitoring)
observer	Dr. John Biretta
object	M87
dtcycle	0
cycle	P
ra_targ	187.704167
dec_targ	12.391667
ra_nom	187.69540788632
dec_nom	12.382572089129
roll_nom	234.47175313786
revision	2
ontime	5669.6000844836
livetime	5142.0280105964
ontime7	5669.6000844836
l2events	68090



## 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	2006-03-03T10:17:03
revision	2

sched_exp_time	5486.249000
ontime	6582.9044596255
ontime7	6582.9044596255
l1events	87109

### 2.1.4 Events

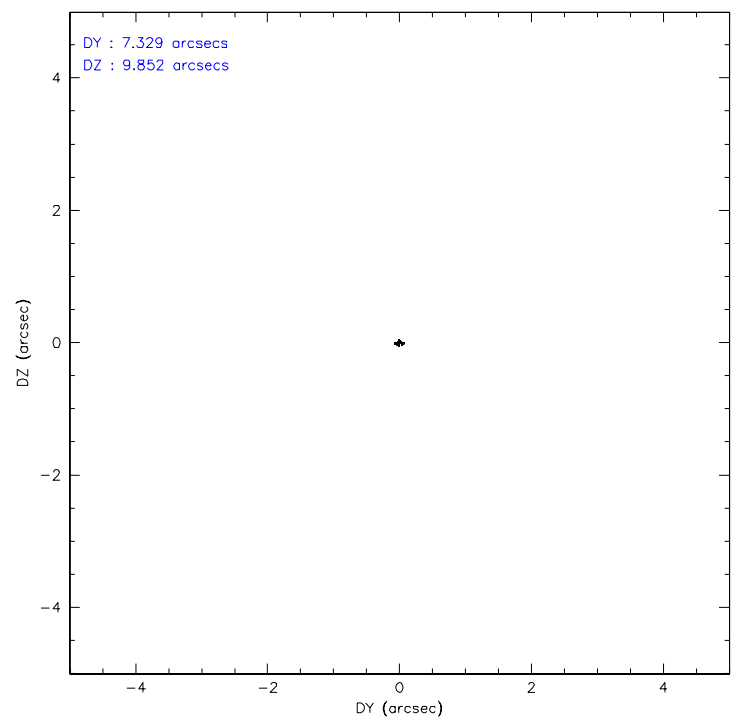
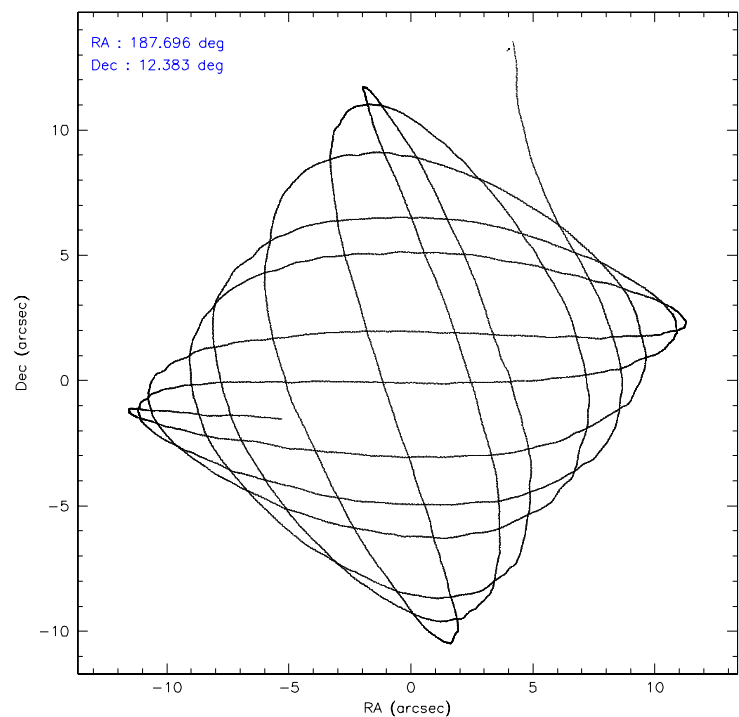
	<b>ccd 7</b>
level 1 events	87109
rejected events	18350
rejected %	21%

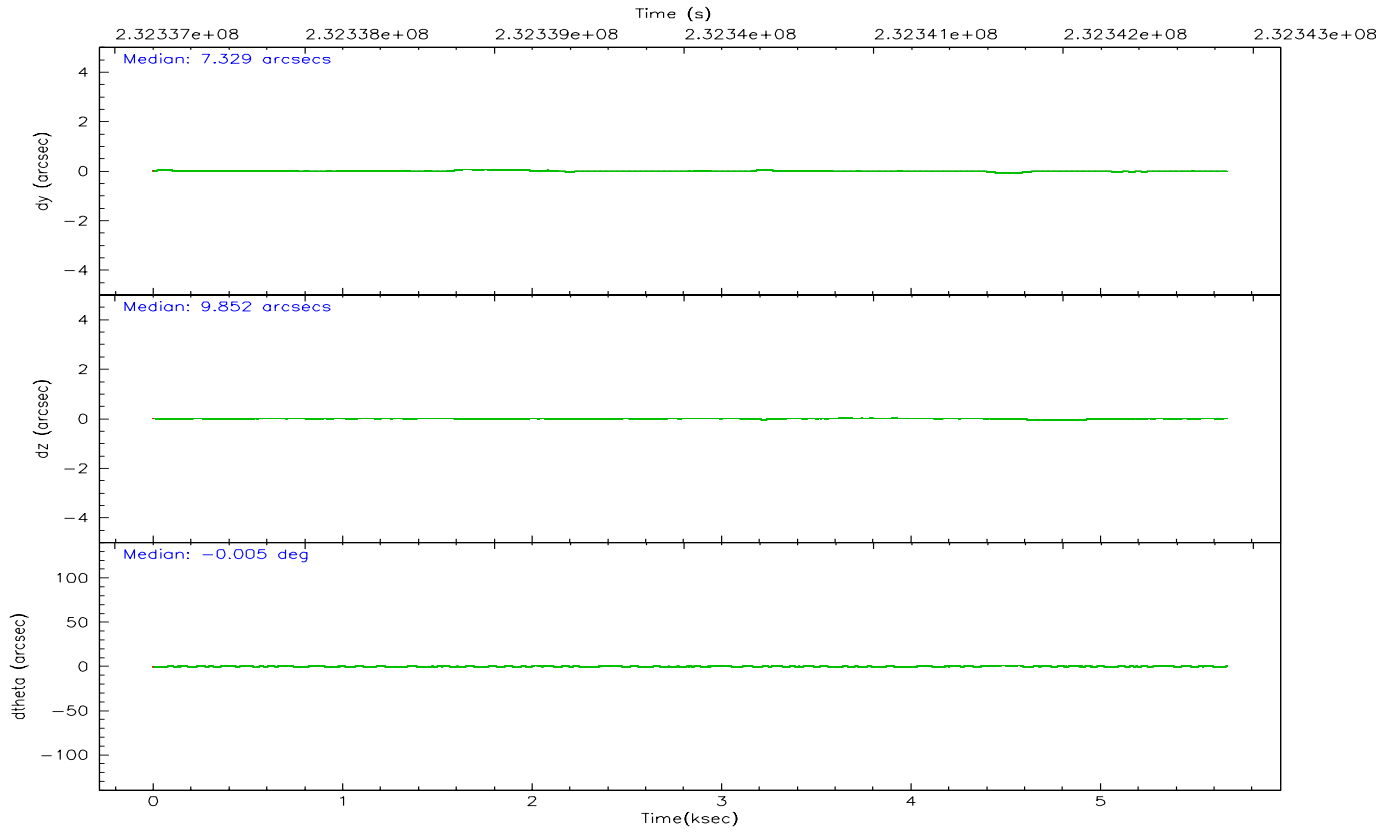
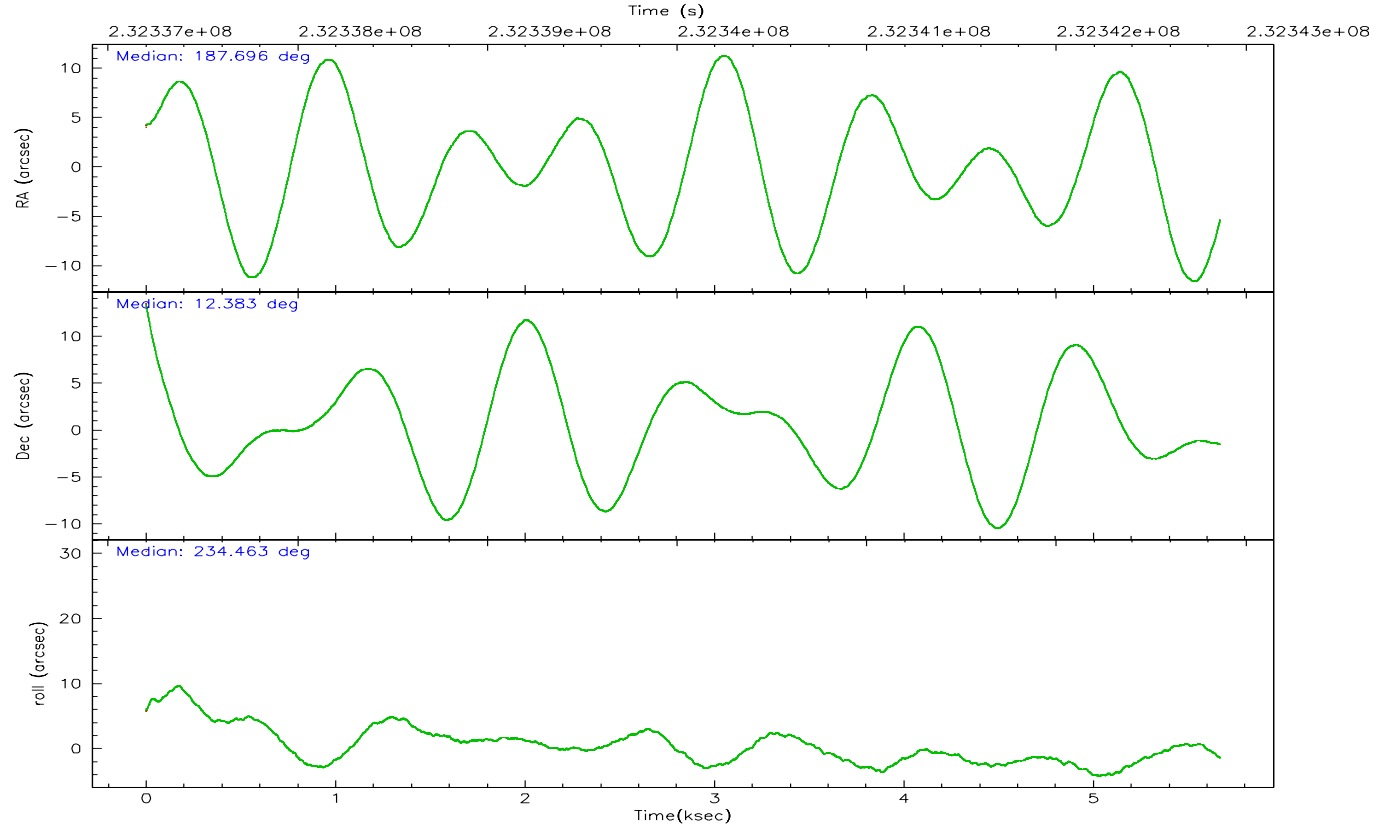
	<b>ccd 7</b>
grade 0 events	19233
	22%
grade 1 events	414
	0%
grade 2 events	18080
	20%
grade 3 events	7601
	8%
grade 4 events	7194
	8%
grade 5 events	2922
	3%
grade 6 events	18781
	21%
grade 7 events	12884
	14%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	187.697702	187.6954078863241	Subarray start row	0	449
Pointing Dec	12.409741	12.38257208912894	Subarray row count	1024	128
Pointing Roll	234.314625	234.4717531378574	Alternating exposures requested	N	N
Window start time	231984064.184000	231984064.184000	Primary exposure time	0.000000	0.4
Window stop time	232588864.184000	232588864.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	232337384.184000	232336288.07911			
Observation start date	2005-05-13T02:08:40	2005-05-13T01:51:28			
Observation end time	232342870.184000	232343086.39192			
Observation end date	2005-05-13T03:40:06	2005-05-13T03:44:46			
Read mode	TIMED	TIMED			

2.3 Aspect





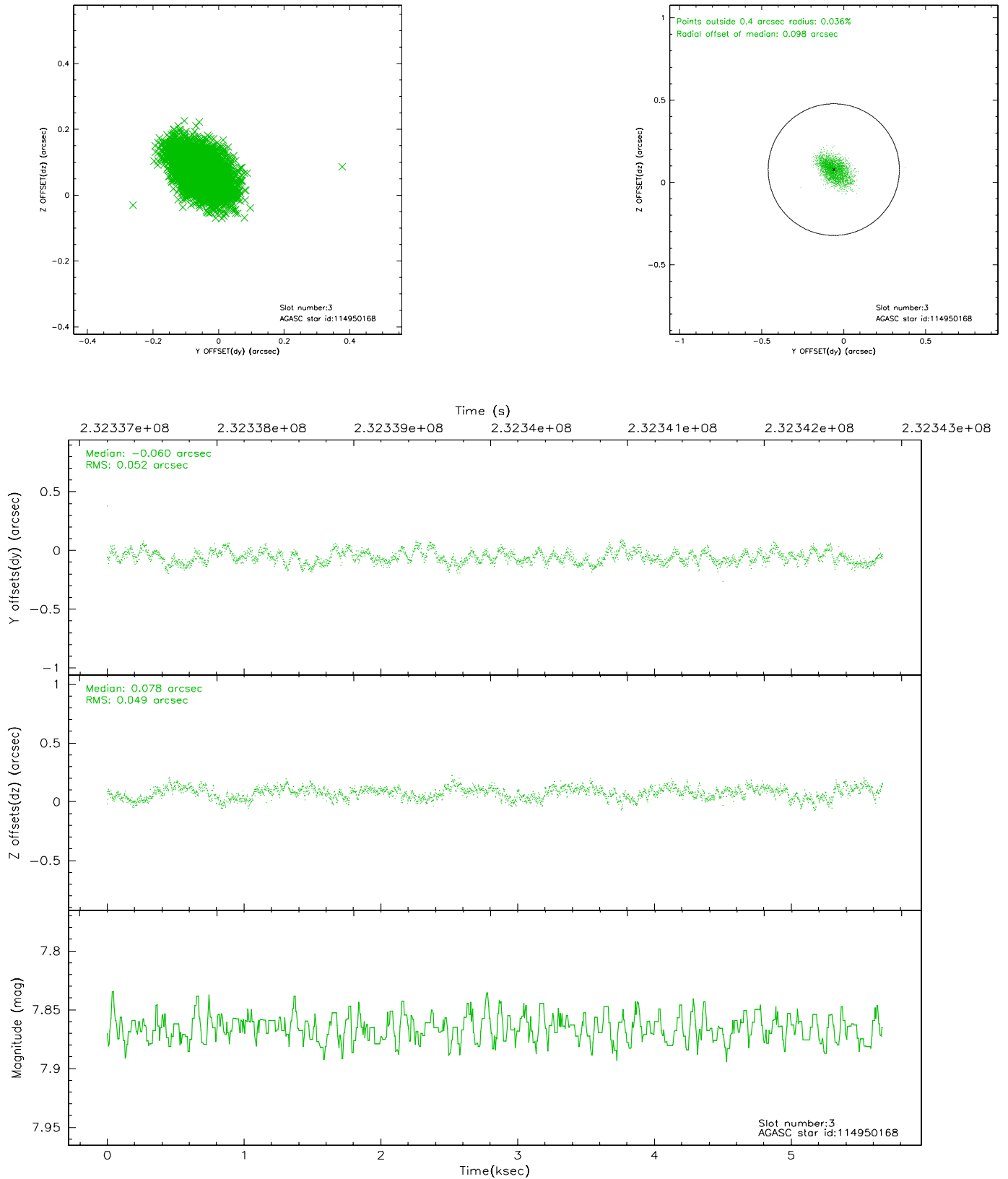
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1384	-0.041	-0.013	0.006	0.010	0.000000	0.000000	-760.09	-1731.12
1	FID	ACIS-S-4	7.21	1384	0.076	0.023	0.005	0.009	0.000000	0.000000	2152.78	176.37
2	FID	ACIS-S-5	7.24	1384	-0.066	-0.001	0.006	0.010	0.000000	0.000000	-1811.65	171.13
3	GUIDE	114950168	7.87	2765	-0.060	0.078	0.075	0.125	187.143398	12.117441	1991.58	-971.64
4	GUIDE	114950584	9.21	2766	-0.067	-0.029	0.101	0.162	187.487323	11.827248	2136.36	620.78
5	GUIDE	114952824	8.58	2765	-0.012	0.104	0.067	0.107	187.703904	12.486727	-236.66	-143.85
6	GUIDE	114954440	9.19	2765	0.089	-0.049	0.101	0.165	186.915066	12.219118	2160.80	-1838.03
7	GUIDE	114955056	8.32	2764	0.048	-0.096	0.060	0.103	187.914001	12.127854	380.82	1209.35

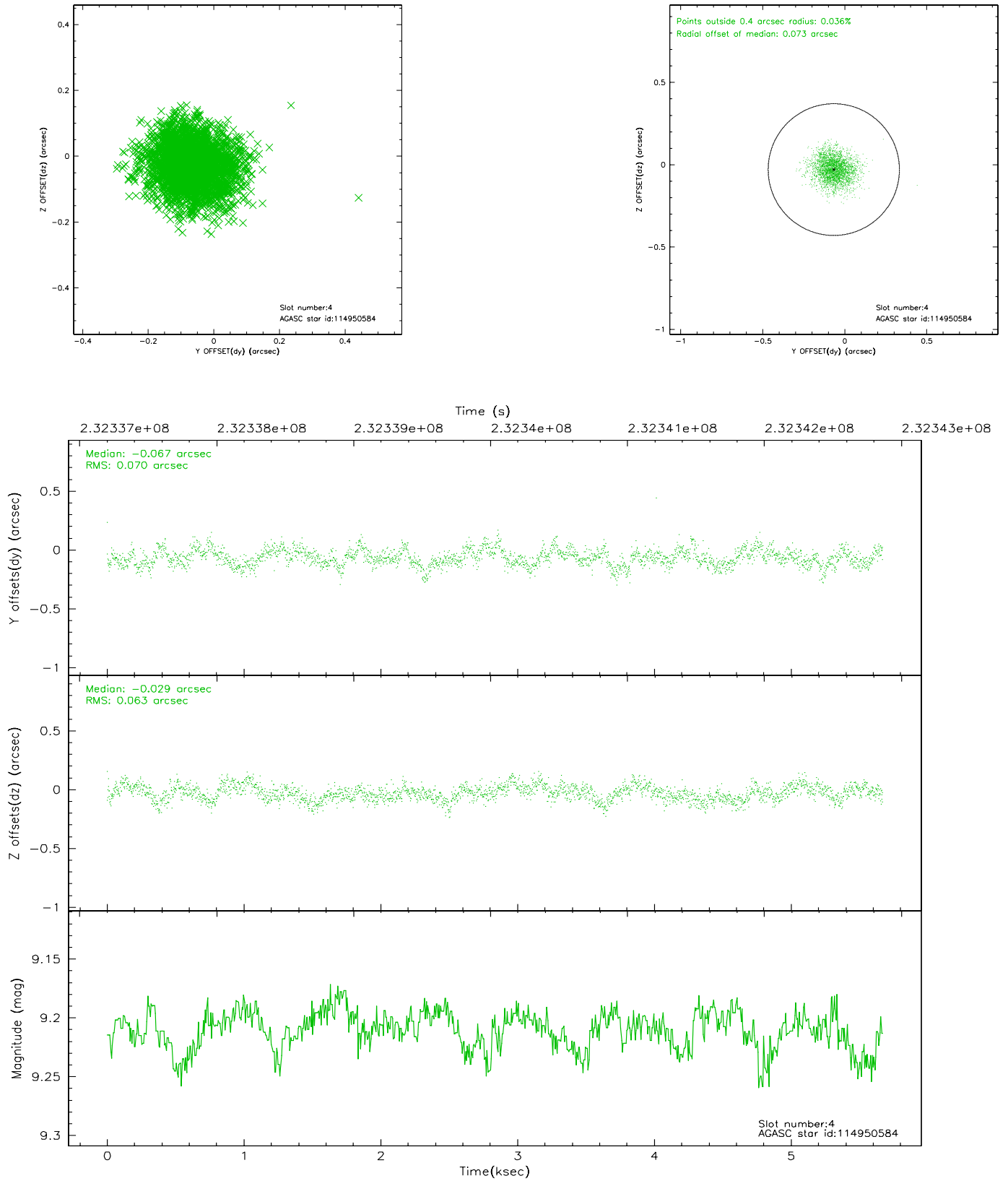


## 2.4 Star Slots

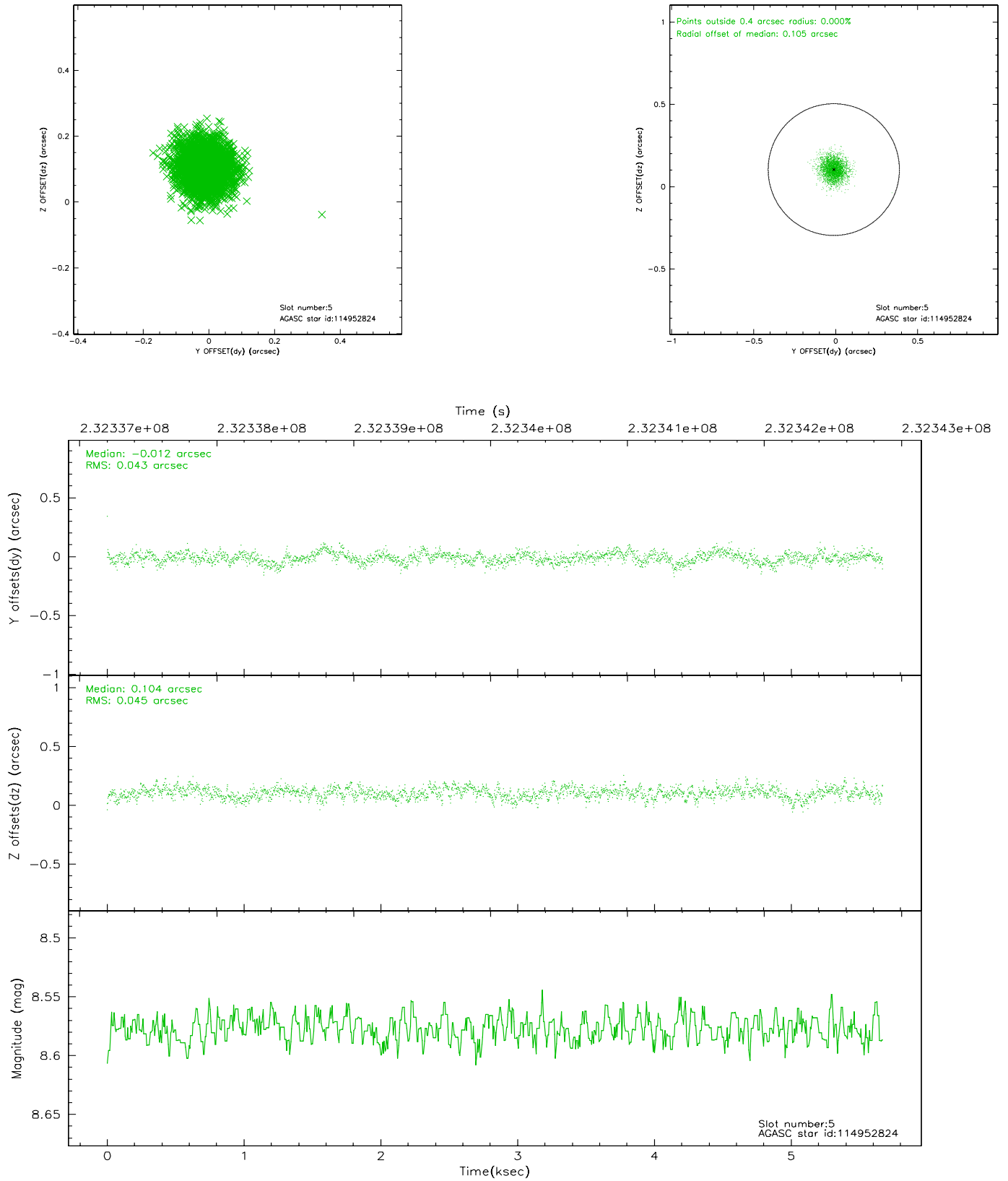
### 2.4.1 Slot 3



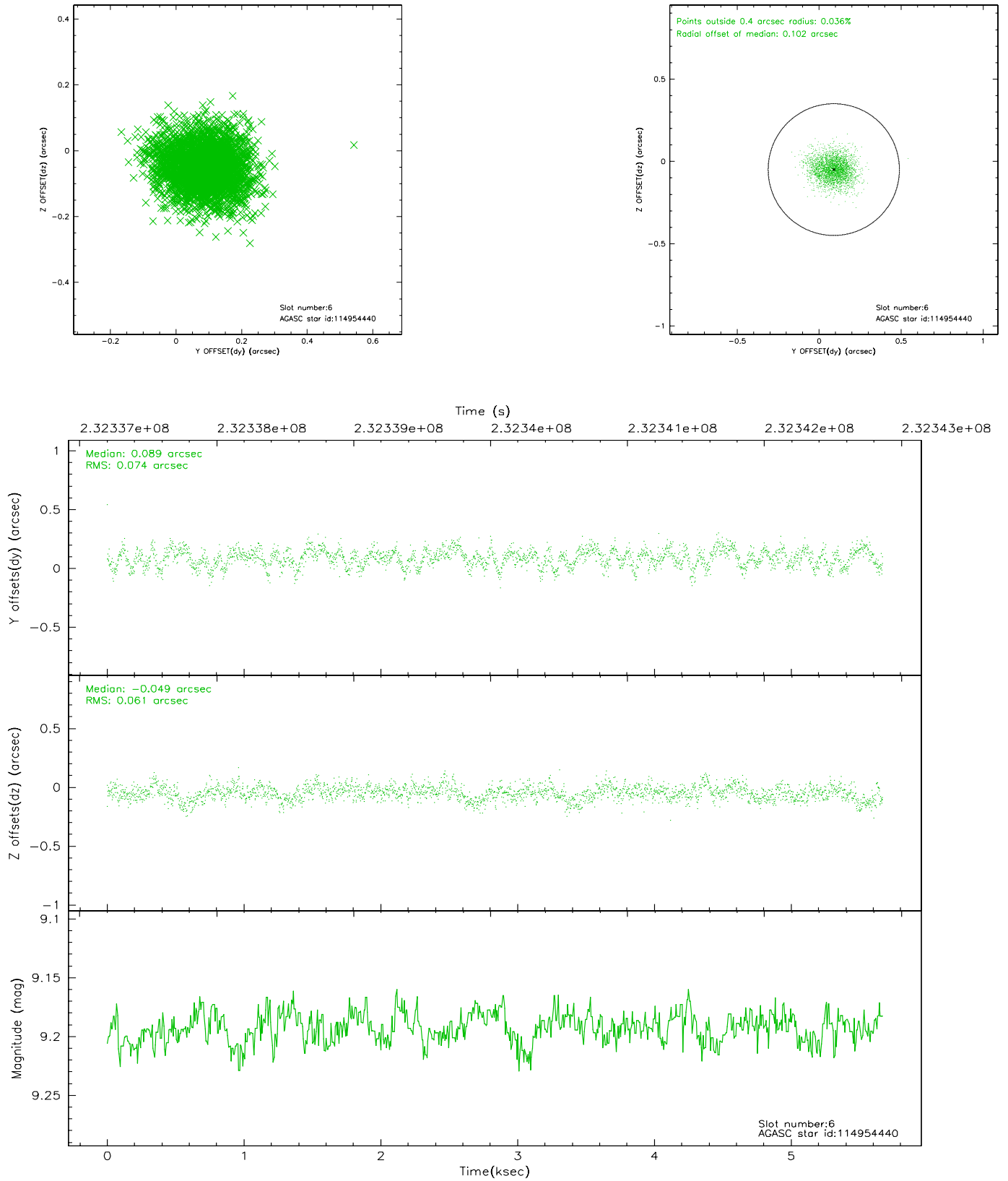
## 2.4.2 Slot 4



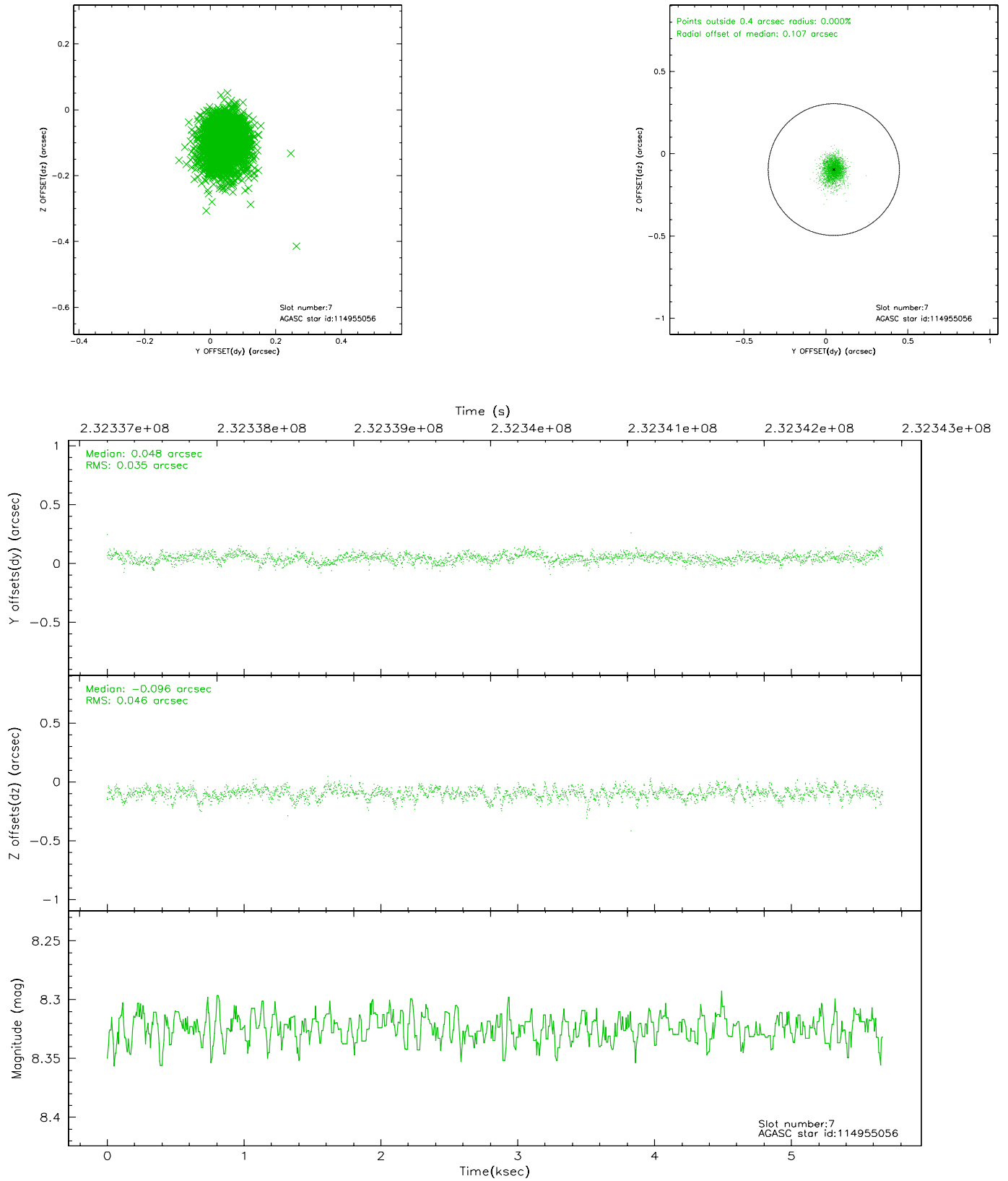
### 2.4.3 Slot 5



## 2.4.4 Slot 6

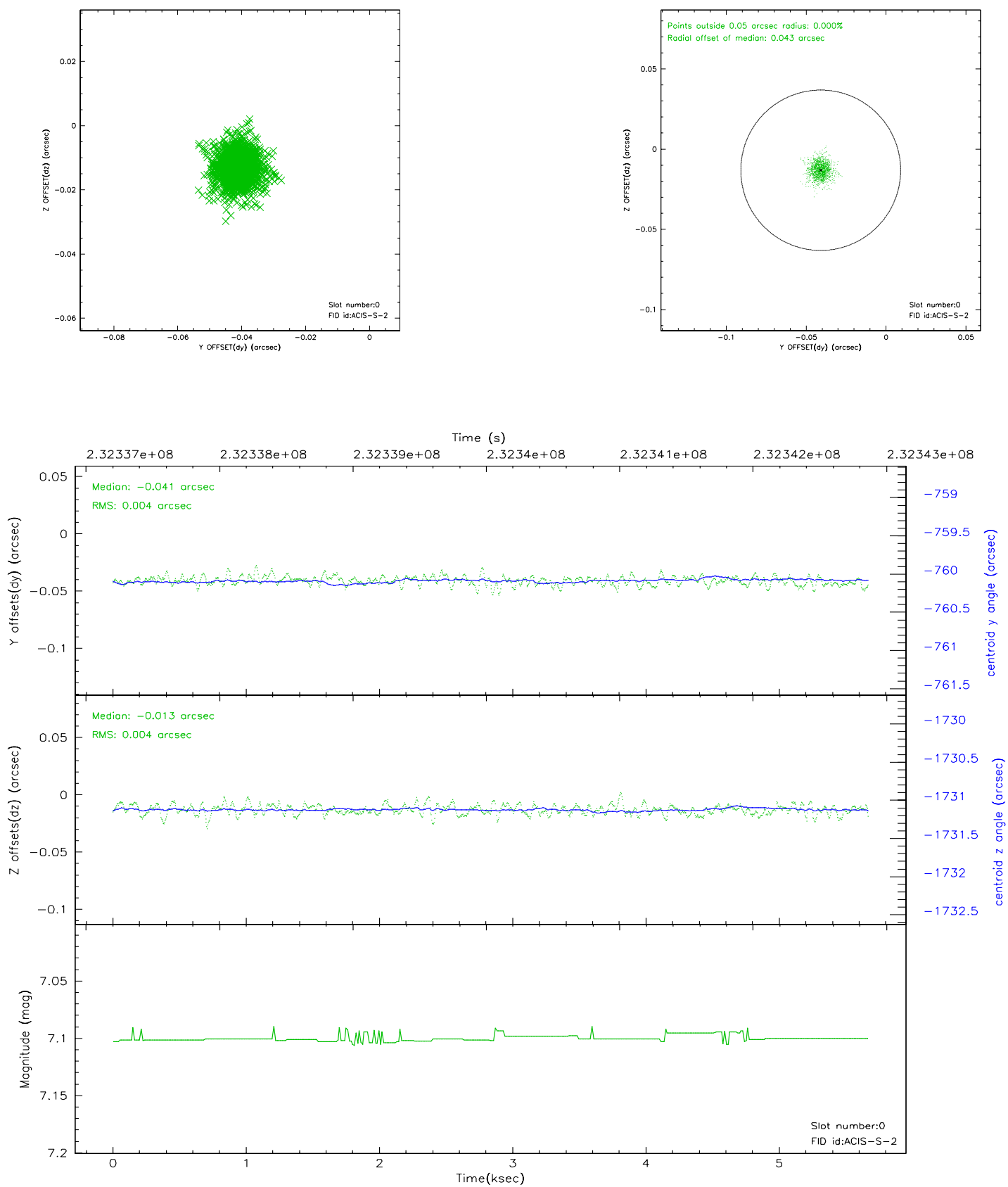


## 2.4.5 Slot 7

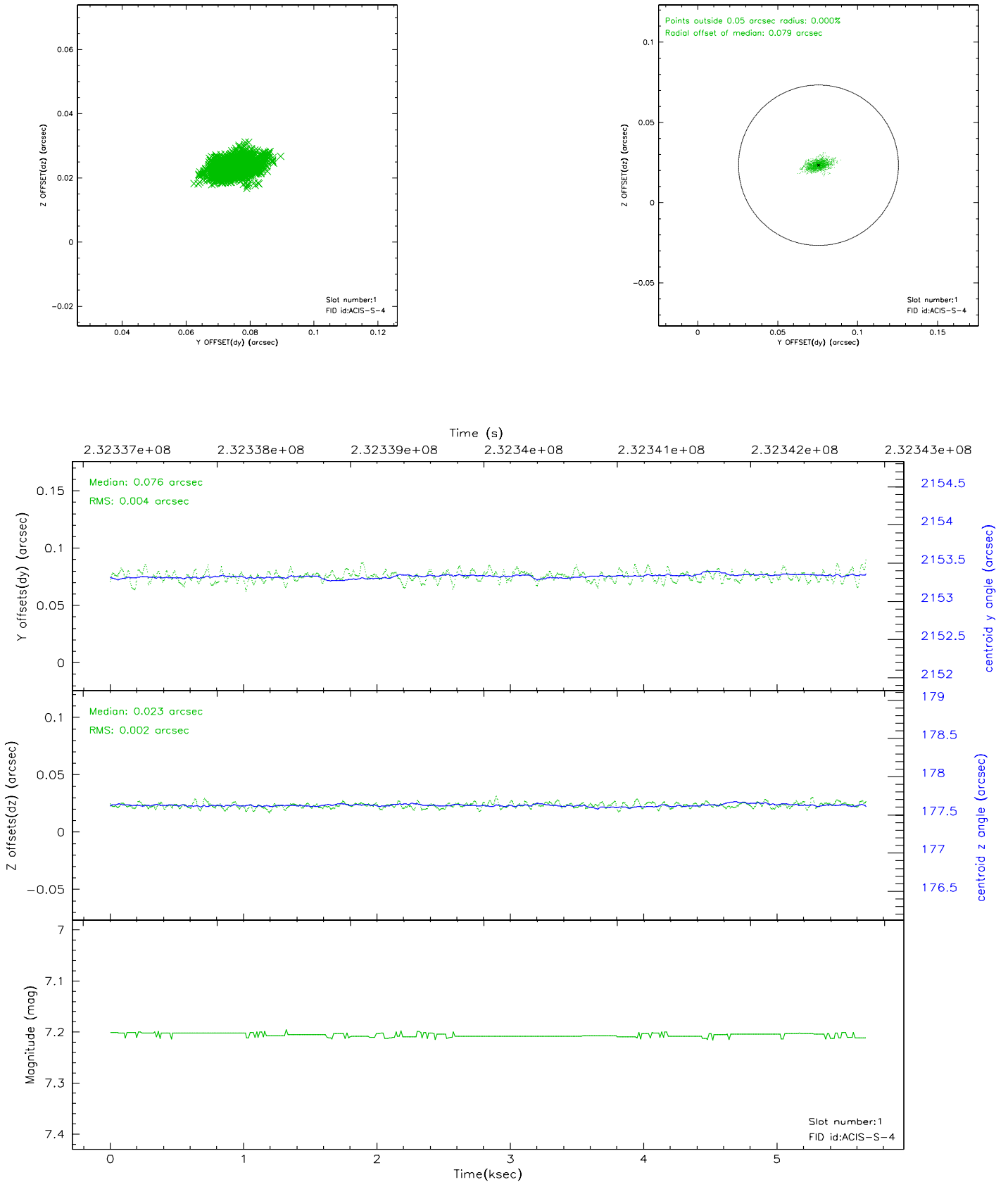


## 2.5 FID Slots

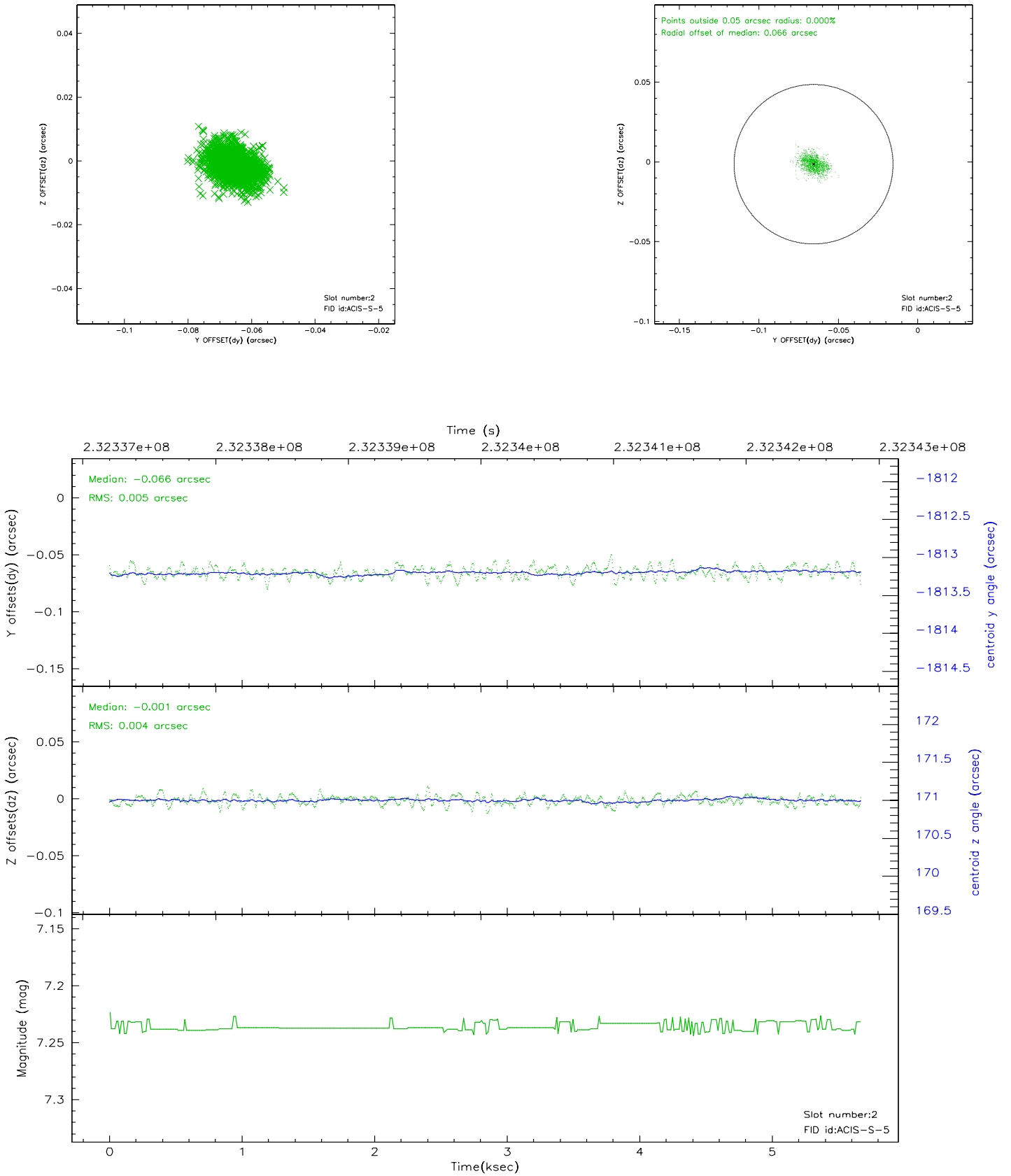
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6696

### A.2 Comments

Window constraint satisfied.