

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4451 - L2 Version 001  
Chandra X-Ray Center

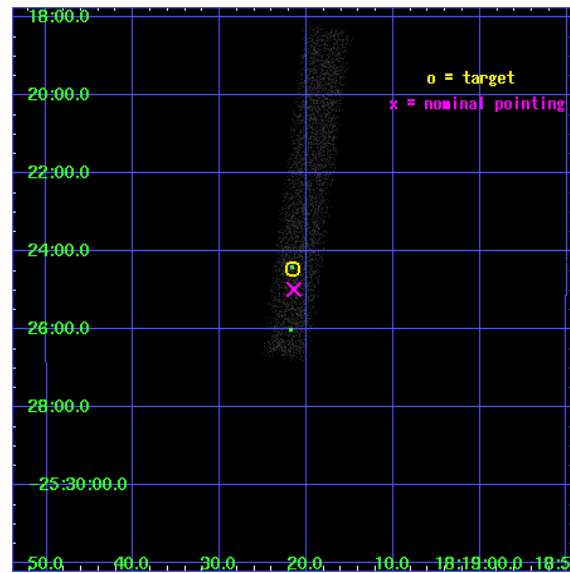
L2 Processing Date : Apr 27 2006

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# 1 Front

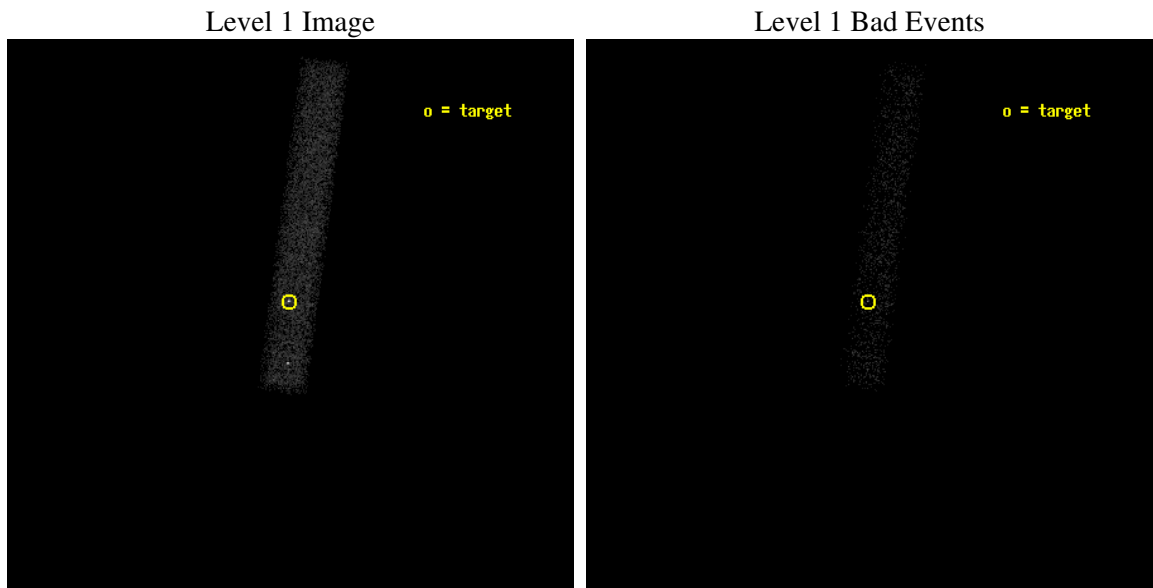
seq_num	400328
obs_id	4451
title	Following a black hole candidate soft X-ray transient returning to quiescence
observer	Dr Peter Jonker
object	V 4641 Sgr
dtcycle	0
cycle	P
ra_targ	274.84
dec_targ	-25.407167
ra_nom	274.83944285099
dec_nom	-25.416338930072
roll_nom	277.53814000785
revision	2
ontime	10154.153911293
livetime	9209.2816173522
ontime7	10154.153911293
l2events	7076



## 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
caldbver	3.2.1
date	2006-04-28T01:55:54
revision	2

sched_exp_time	10000.000000
ontime	11200.526967436
ontime7	11200.526967436
l1events	16459

### 2.1.4 Events

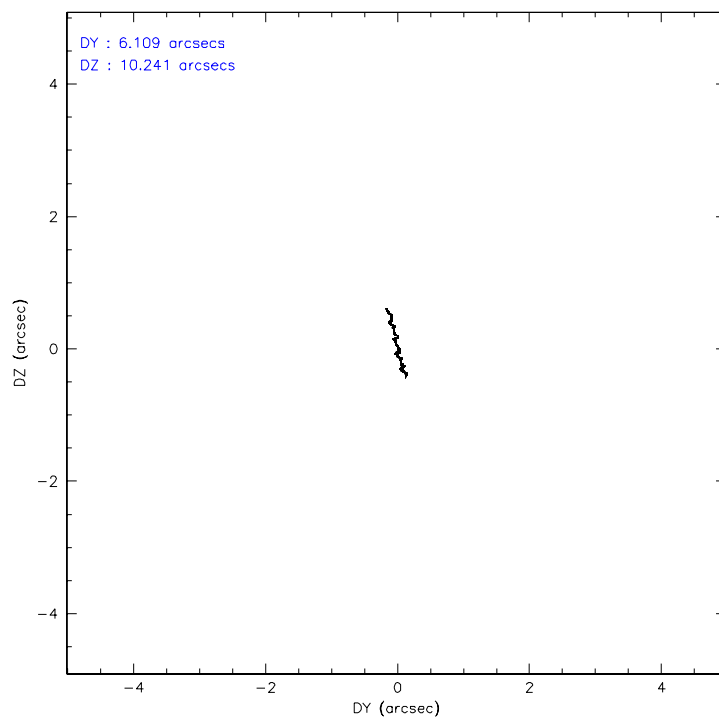
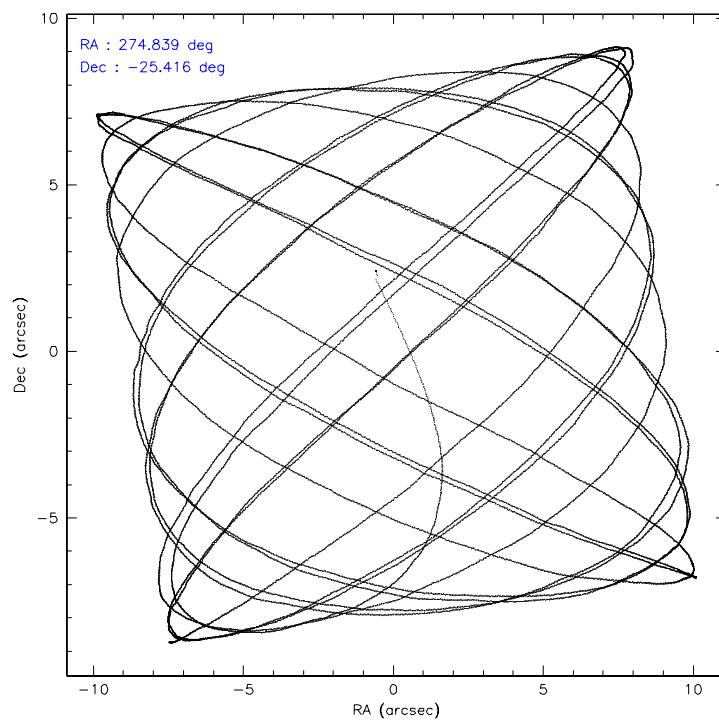
	<b>ccd 7</b>
level 1 events	16459
rejected events	9012
rejected %	54%

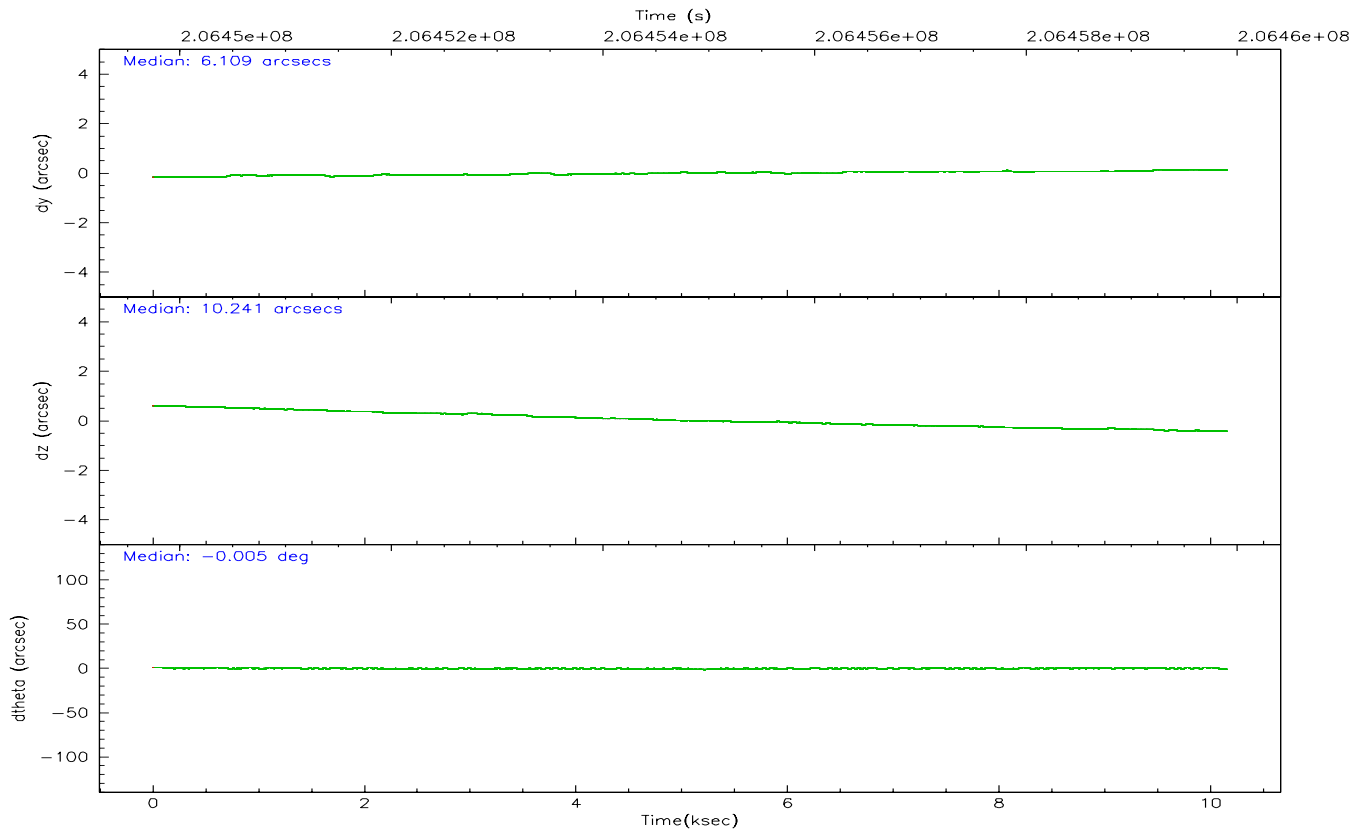
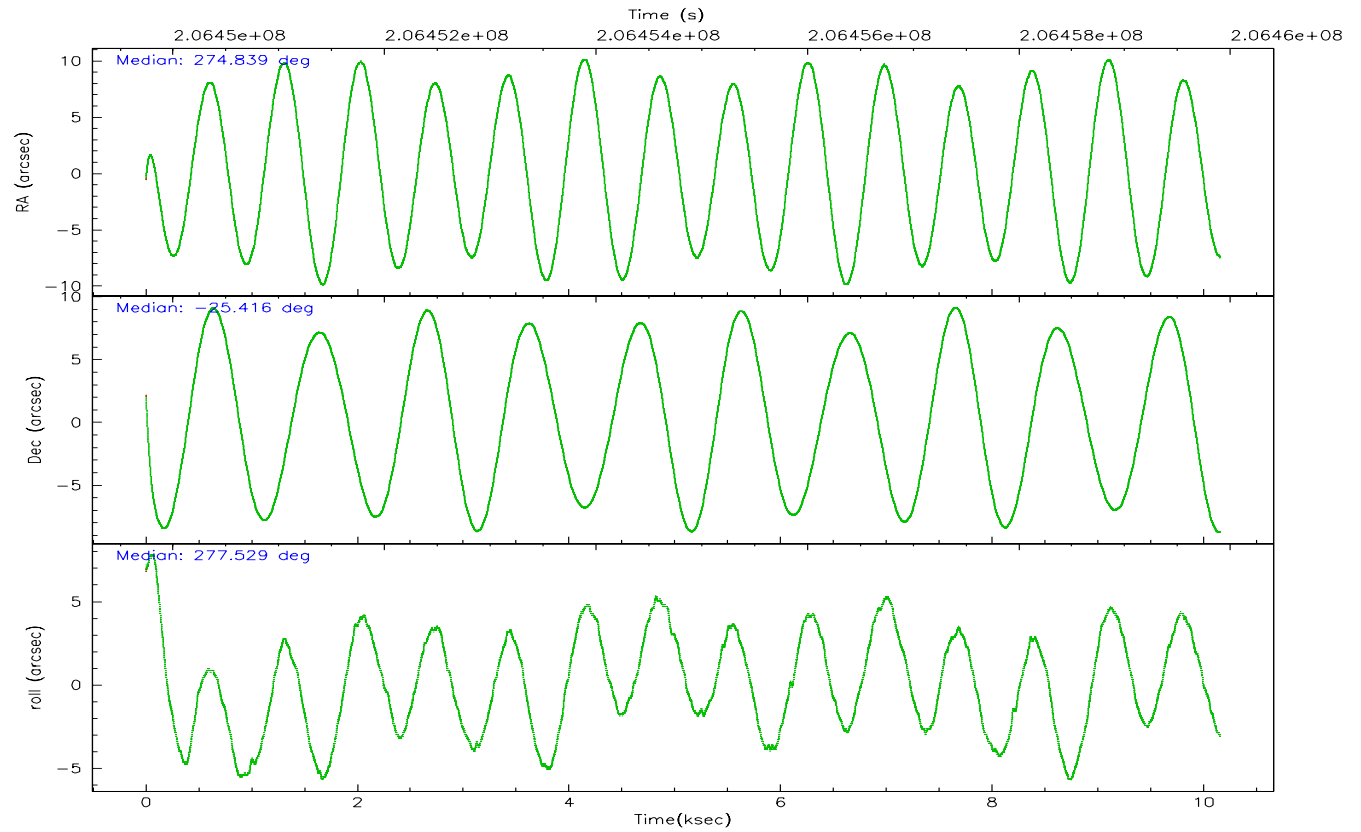
	<b>ccd 7</b>
grade 0 events	873
	5%
grade 1 events	15
	0%
grade 2 events	1997
	12%
grade 3 events	847
	5%
grade 4 events	761
	4%
grade 5 events	1094
	6%
grade 6 events	3604
	21%
grade 7 events	7268
	44%

## 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	274.820759	274.8394428509894	Subarray start row	0	449
Pointing Dec	-25.394966	-25.41633893007208	Subarray row count	1024	128
Pointing Roll	277.373491	277.5381400078527	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
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	206449902.184000	206448698.31451			
Observation start date	2004-07-17T11:10:38	2004-07-17T10:51:38			
Observation end time	206459902.184000	206460532.96503			
Observation end date	2004-07-17T13:57:18	2004-07-17T14:08:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect





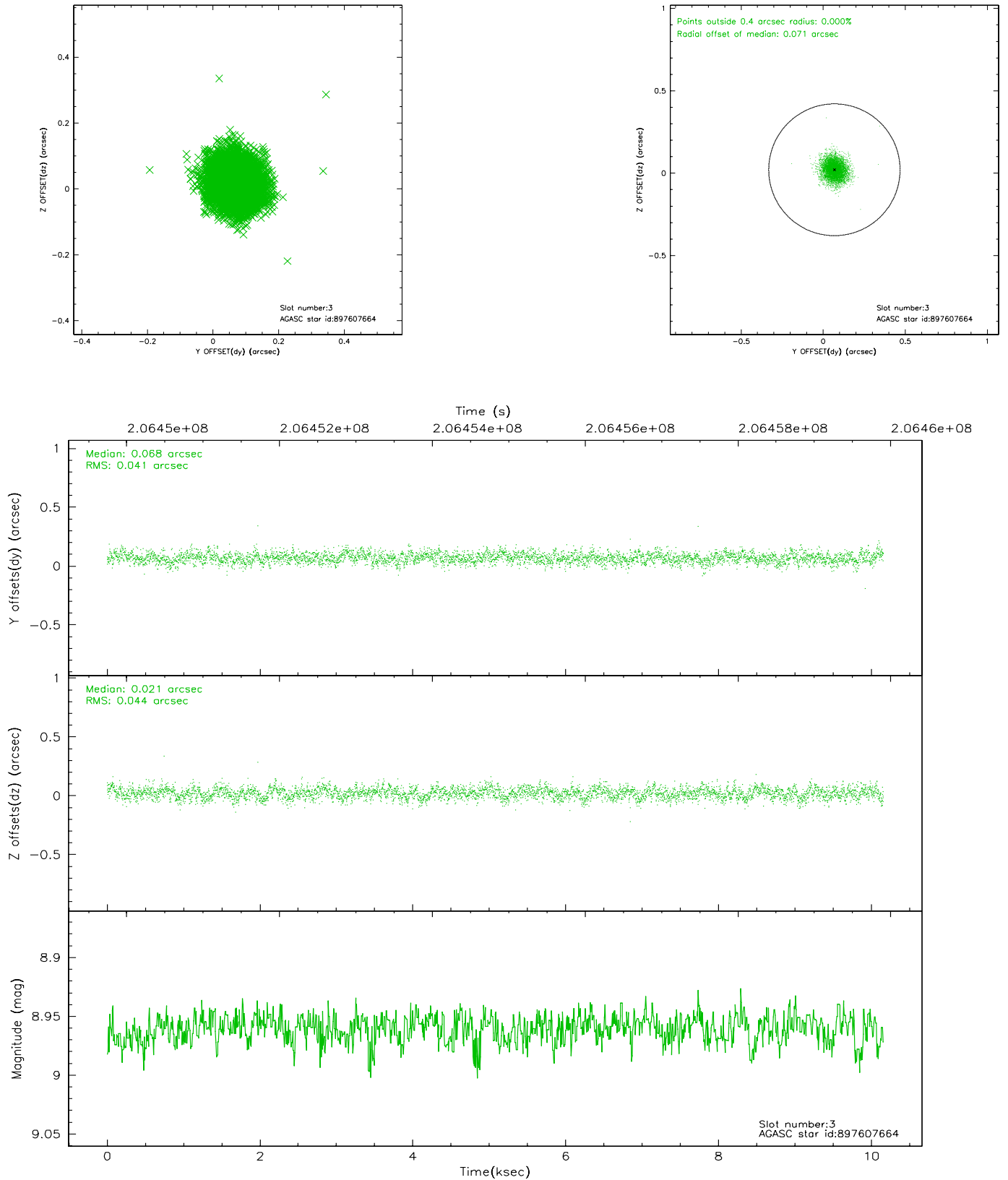
### Slot Statistics

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	2475	-0.053	-0.002	0.010	0.016	0.000000	0.000000	-758.85	-1731.51
1	FID	ACIS-S-4	7.21	2475	0.045	0.026	0.006	0.012	0.000000	0.000000	2154.25	176.51
2	FID	ACIS-S-5	7.23	2475	-0.023	-0.015	0.009	0.014	0.000000	0.000000	-1811.03	170.67
3	GUIDE	897607664	8.96	4949	0.068	0.021	0.064	0.104	274.763984	-25.327976	-262.15	-152.23
4	GUIDE	897610120	8.47	4949	-0.112	-0.015	0.087	0.131	275.375820	-25.427247	350.34	1774.40
5	GUIDE	897614272	8.74	4951	-0.036	0.084	0.074	0.121	275.179042	-25.471578	424.61	1119.75
6	GUIDE	897607632	9.04	4951	0.105	-0.090	0.097	0.151	275.528210	-25.239953	-251.68	2355.52
7	GUIDE	897601280	9.68	4948	-0.024	0.003	0.108	0.182	274.221964	-25.156854	-1095.78	-1825.26

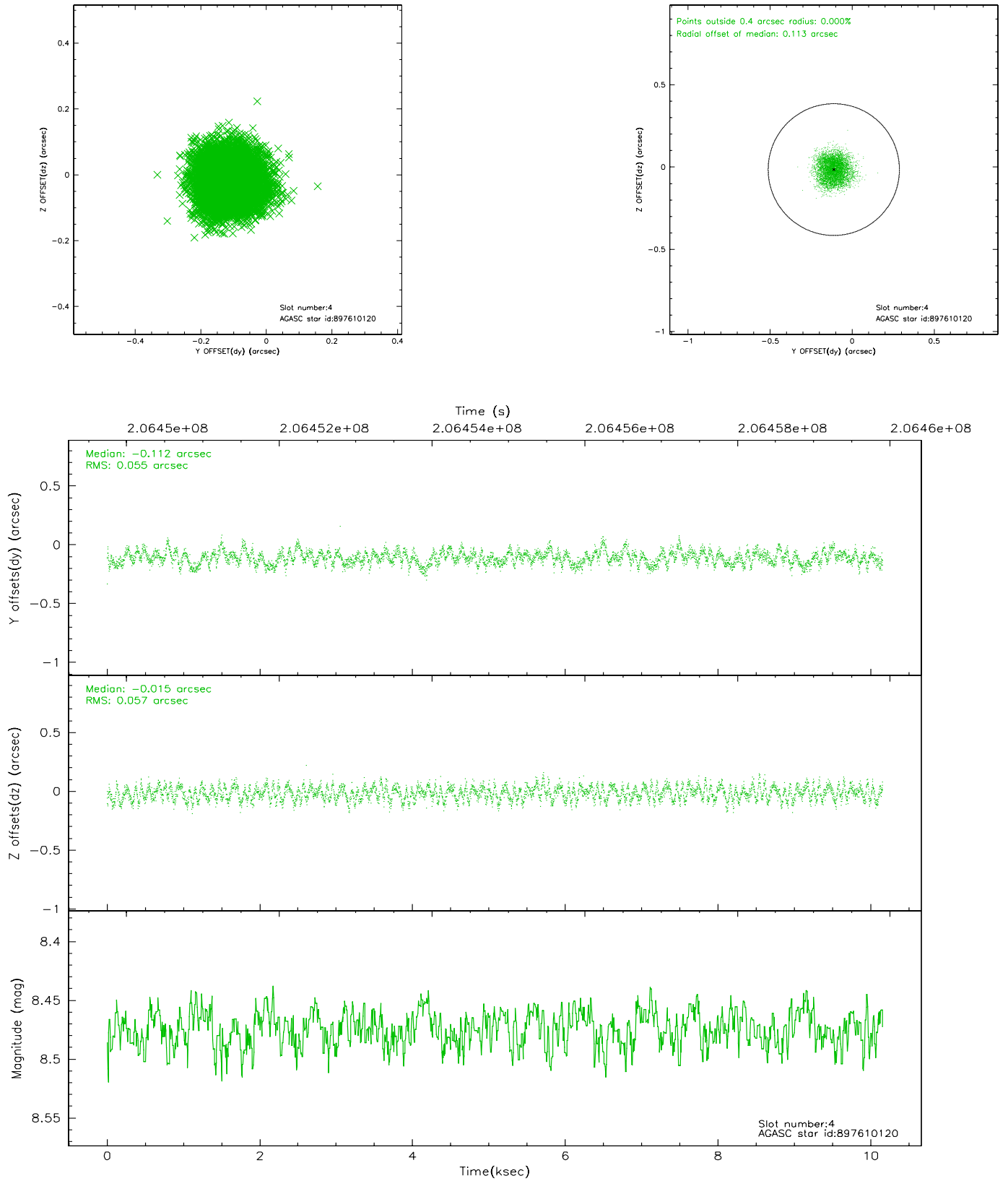


## 2.4 Star Slots

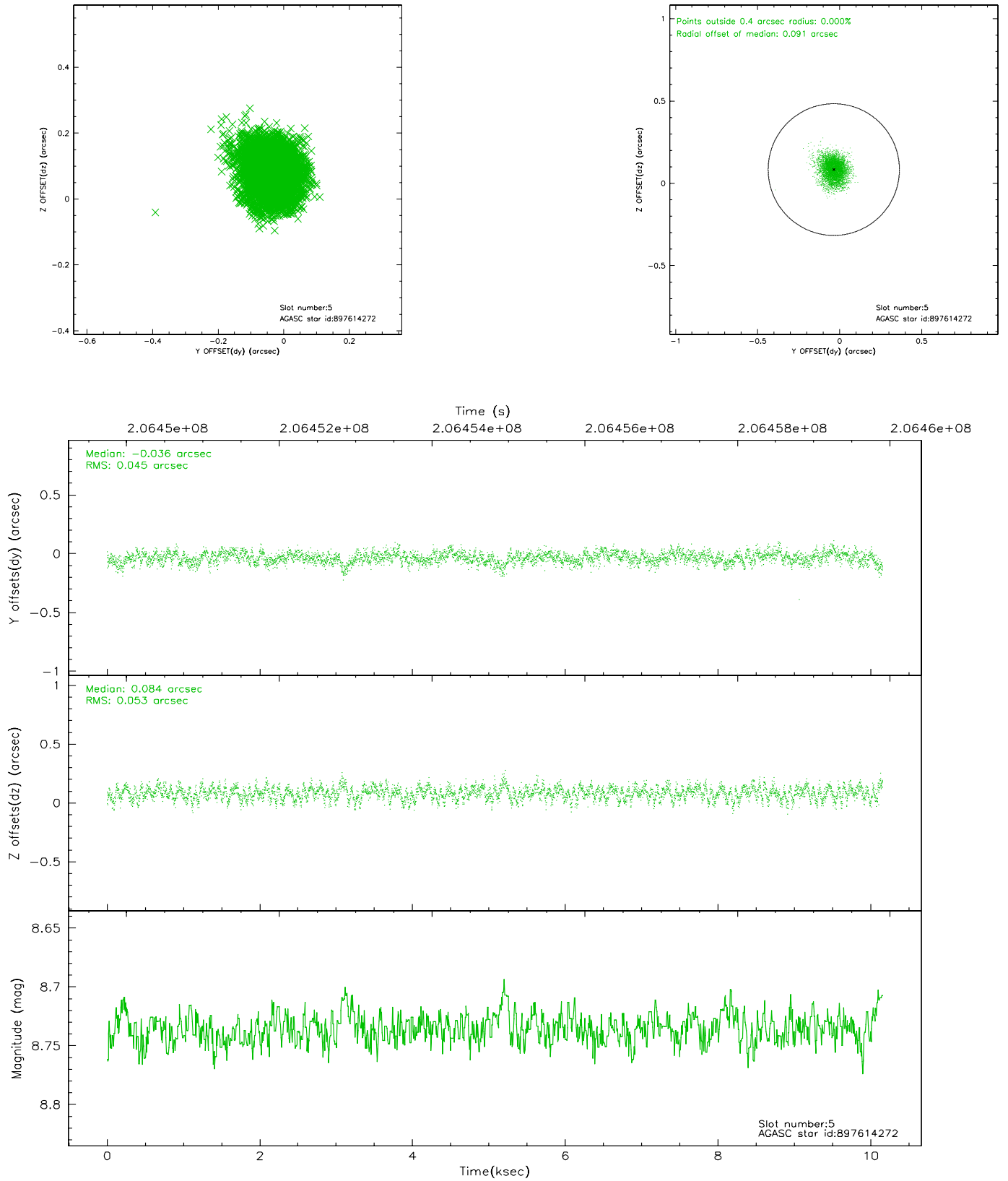
### 2.4.1 Slot 3



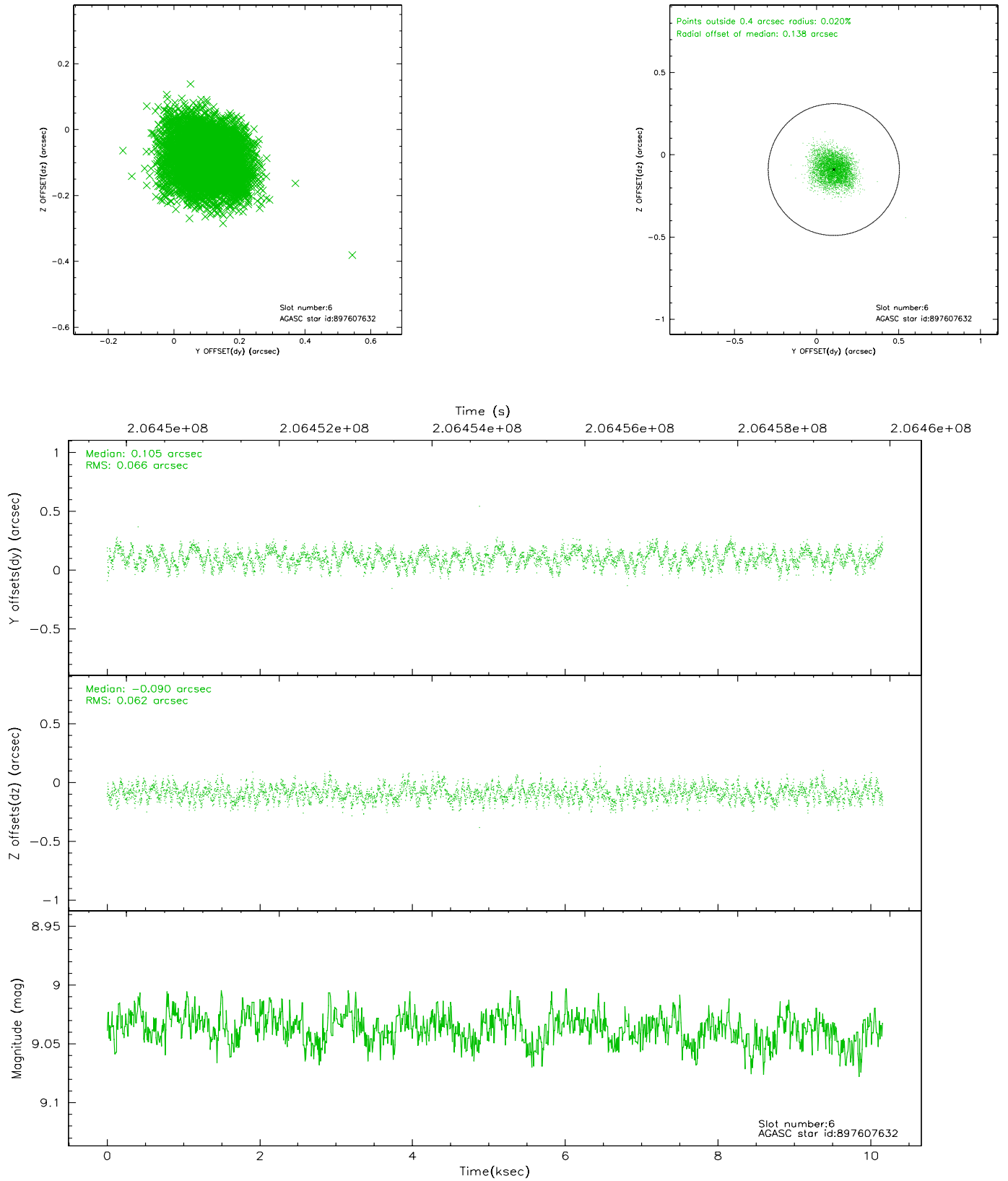
## 2.4.2 Slot 4



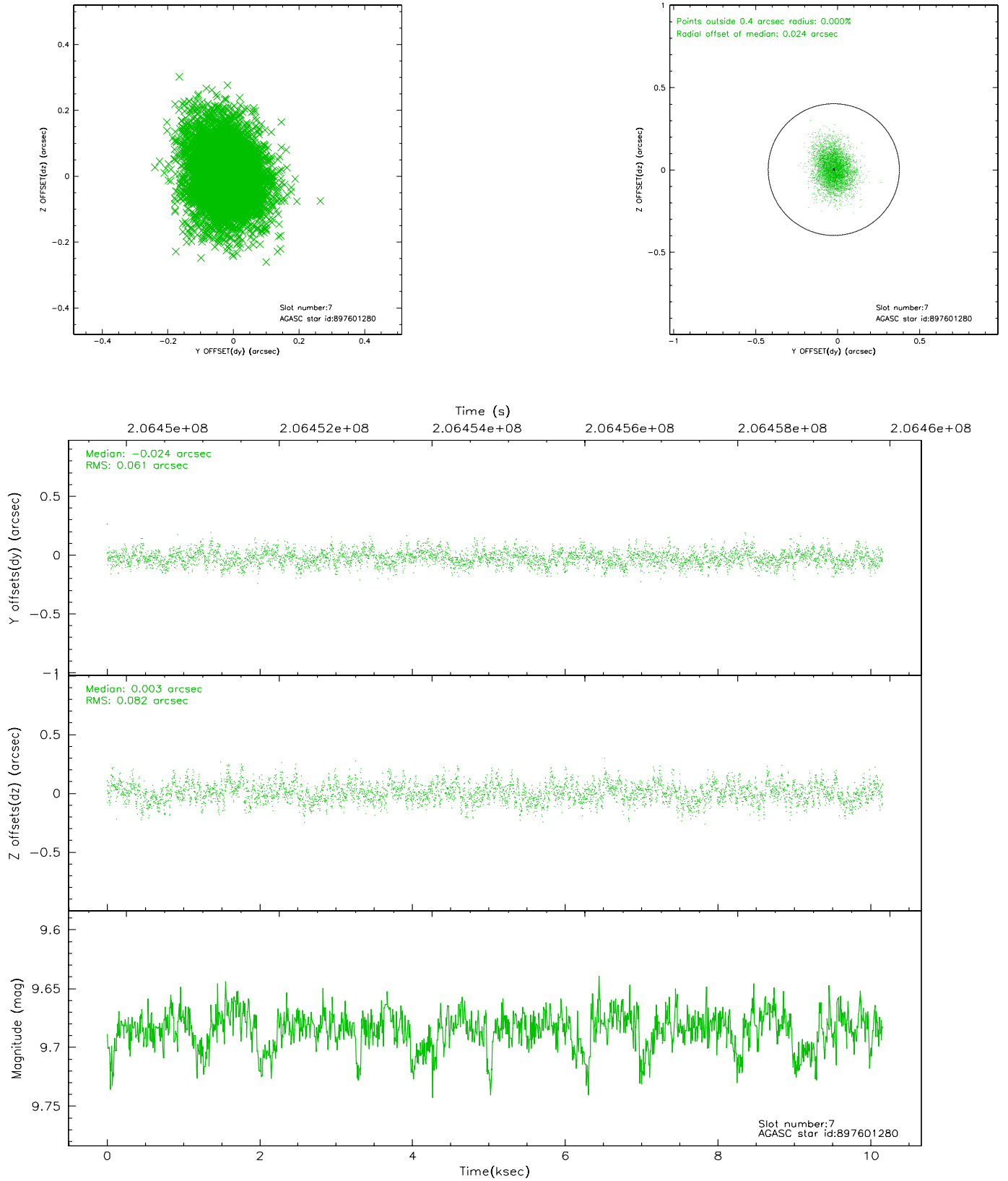
### 2.4.3 Slot 5



## 2.4.4 Slot 6

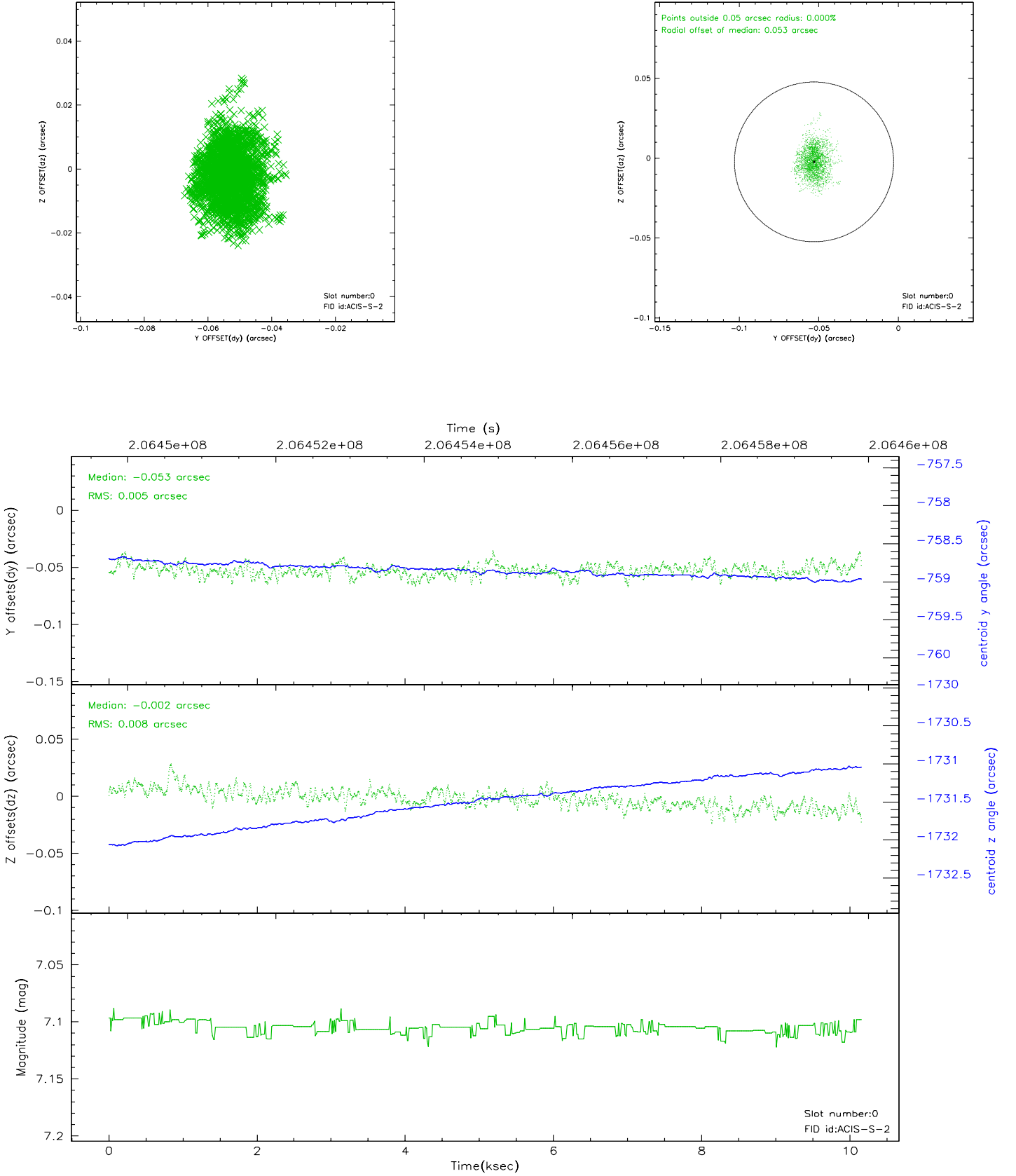


## 2.4.5 Slot 7

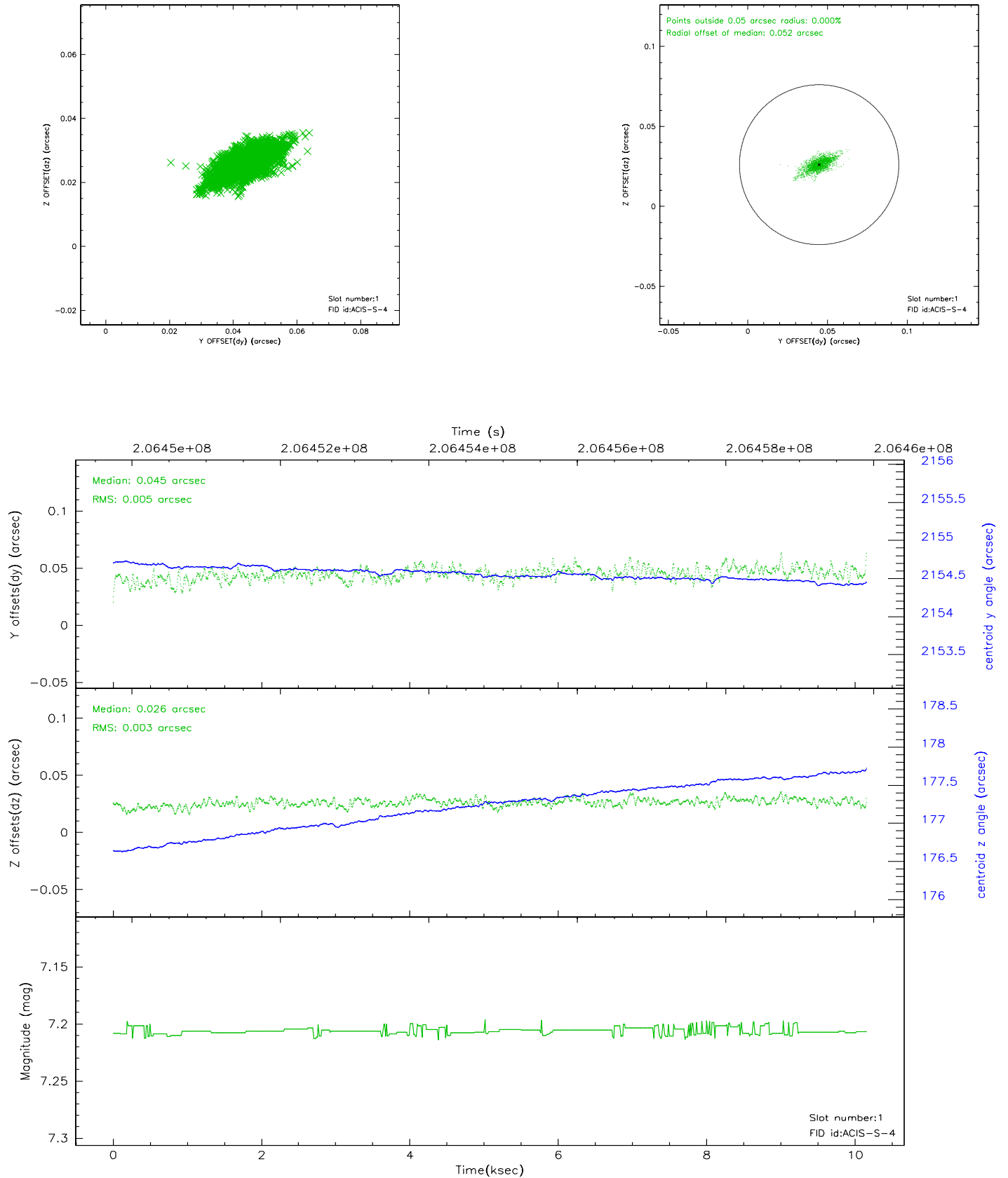


## 2.5 FID Slots

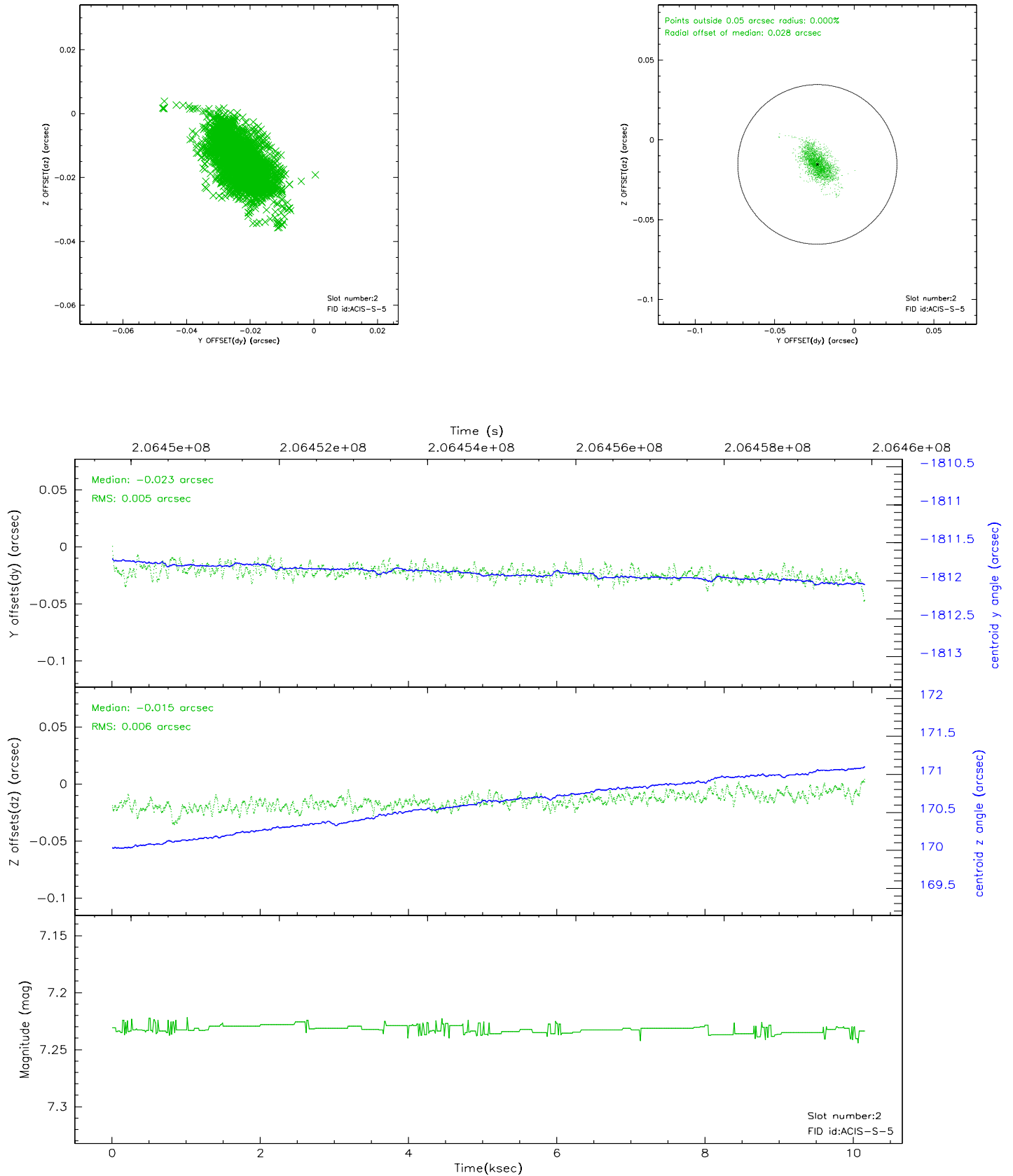
### 2.5.1 Slot 0



## 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)	2006.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.154

### A.2 Comments