

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4007 - L2 Version 001  
Chandra X-Ray Center

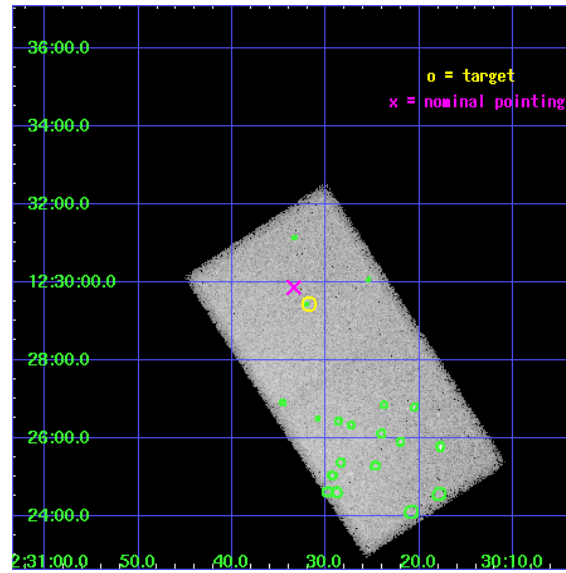
L2 Processing Date : Jun 26 2006

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# 1 Front

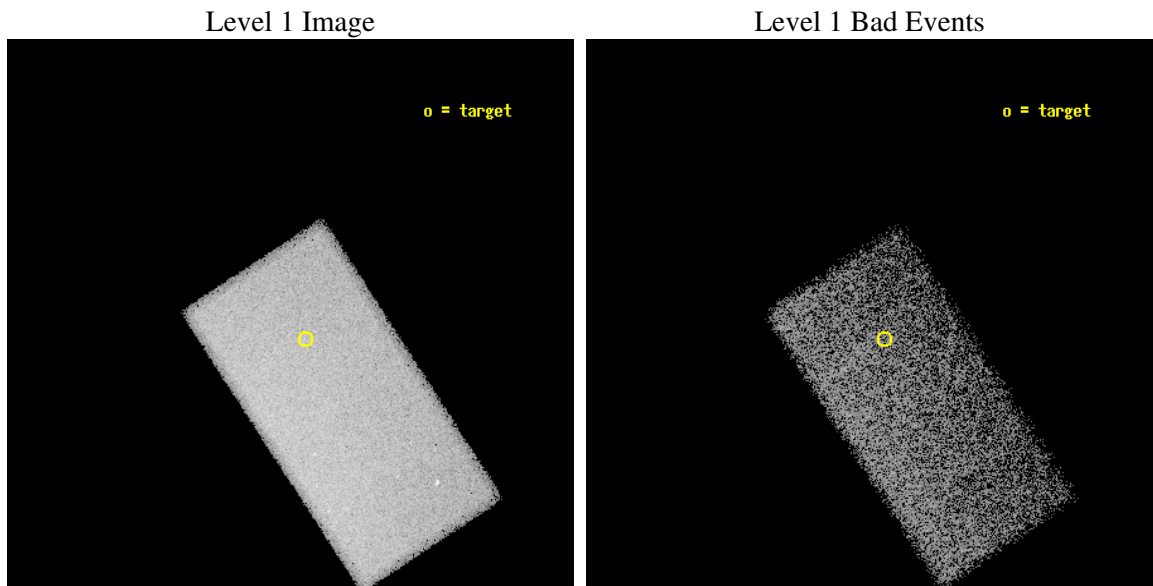
seq_num	700686
obs_id	4007
title	QUIESCENT SUPERMASSIVE BLACK HOLES
observer	Dr Giuseppina Fabbiano
object	NGC 4486B
dtcycle	0
cycle	P
ra_targ	187.6325
dec_targ	12.490556
ra_nom	187.6392880303
dec_nom	12.497585935358
roll_nom	56.770731223162
revision	2
ontime	37167.0
livetime	36177.192026164
ontime7	37167.0
l2events	247072



## 2 OBI

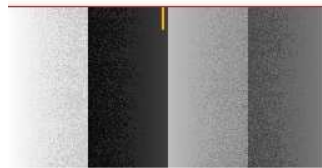
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-26T17:00:38
revision	2

sched_exp_time	37000.000000
ontime	37793.54052791
ontime7	37793.54052791
l1events	333383

### 2.1.4 Events

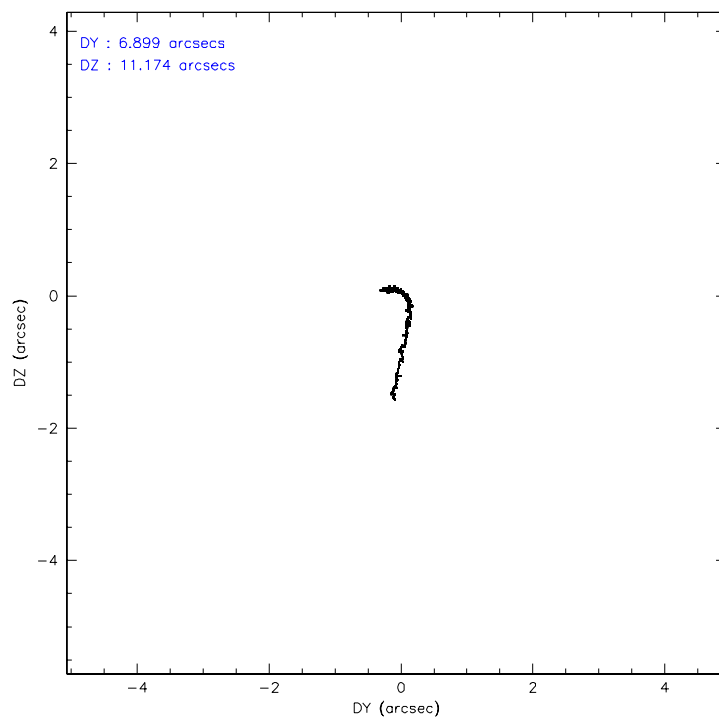
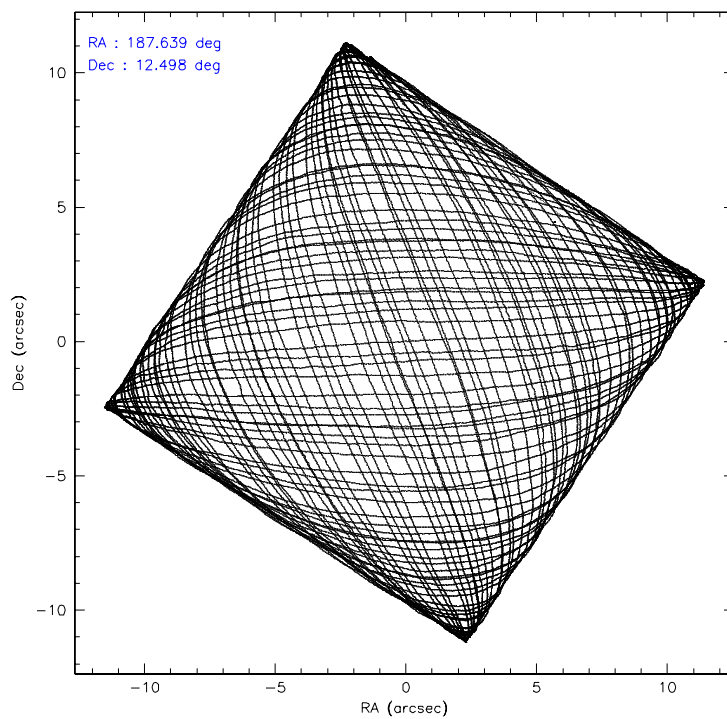
	<b>ccd 7</b>
level 1 events	333383
rejected events	83057
rejected %	24%

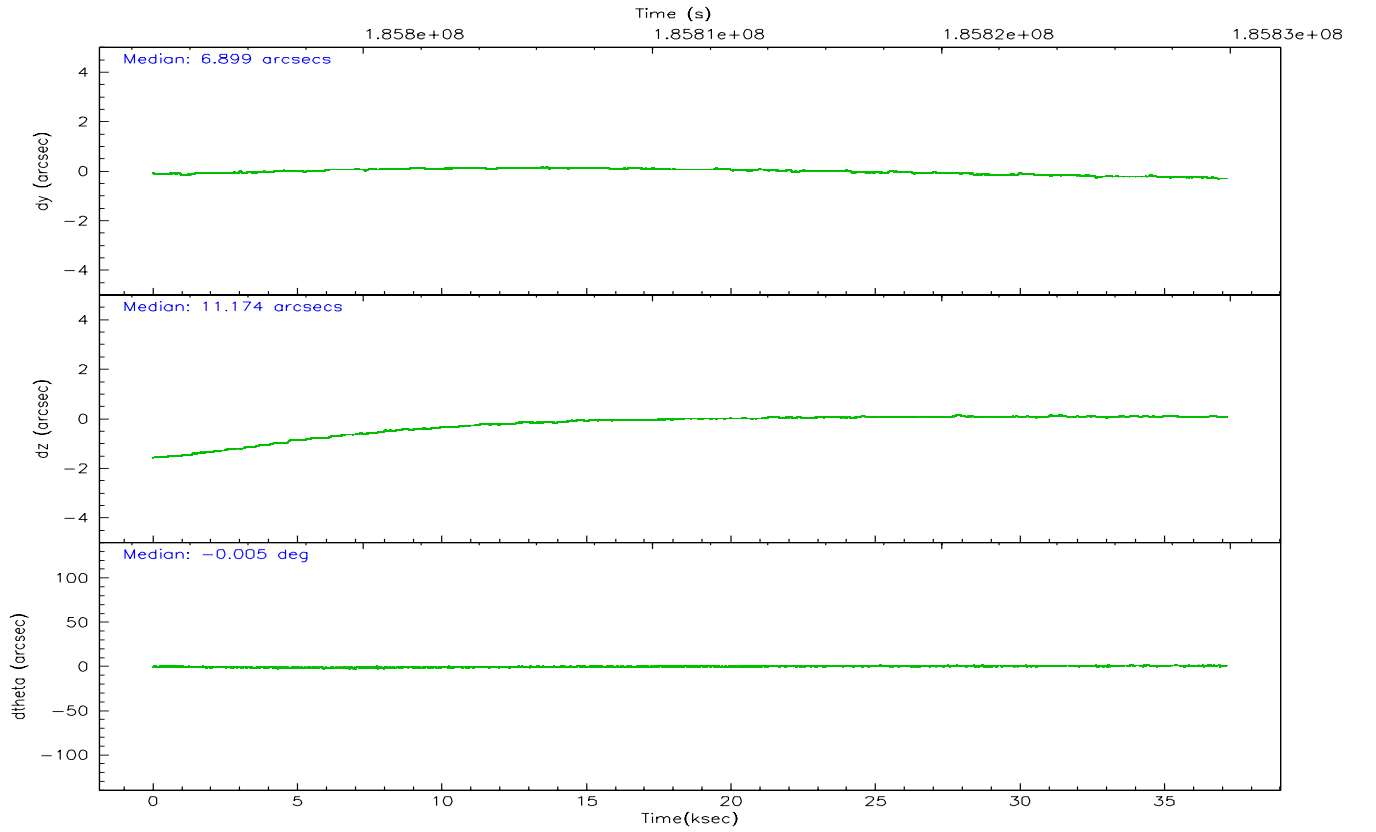
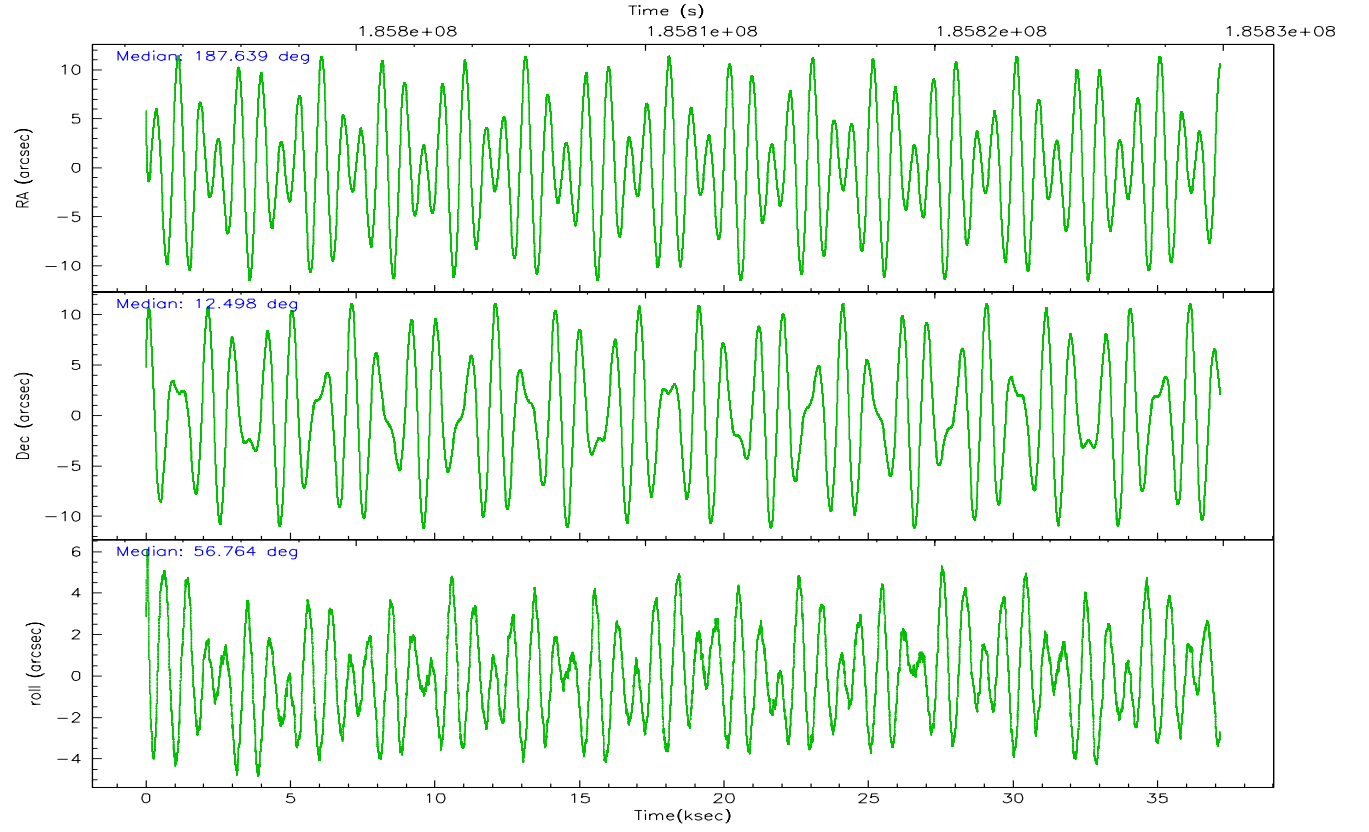
	<b>ccd 7</b>
grade 0 events	63546
	19%
grade 1 events	140
	0%
grade 2 events	69251
	20%
grade 3 events	24695
	7%
grade 4 events	24739
	7%
grade 5 events	10240
	3%
grade 6 events	69873
	20%
grade 7 events	70899
	21%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/2	1/2
Pointing RA	187.638109	187.6392880303012	Subarray start row	0	257
Pointing Dec	12.470383	12.49758593535823	Subarray row count	1024	512
Pointing Roll	56.614360	56.77073122316181	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.5
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	185792890.184000	185791927.24557			
Observation start date	2003-11-21T09:07:06	2003-11-21T08:52:07			
Observation end time	185829890.184000	185830057.75972			
Observation end date	2003-11-21T19:23:46	2003-11-21T19:27:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect





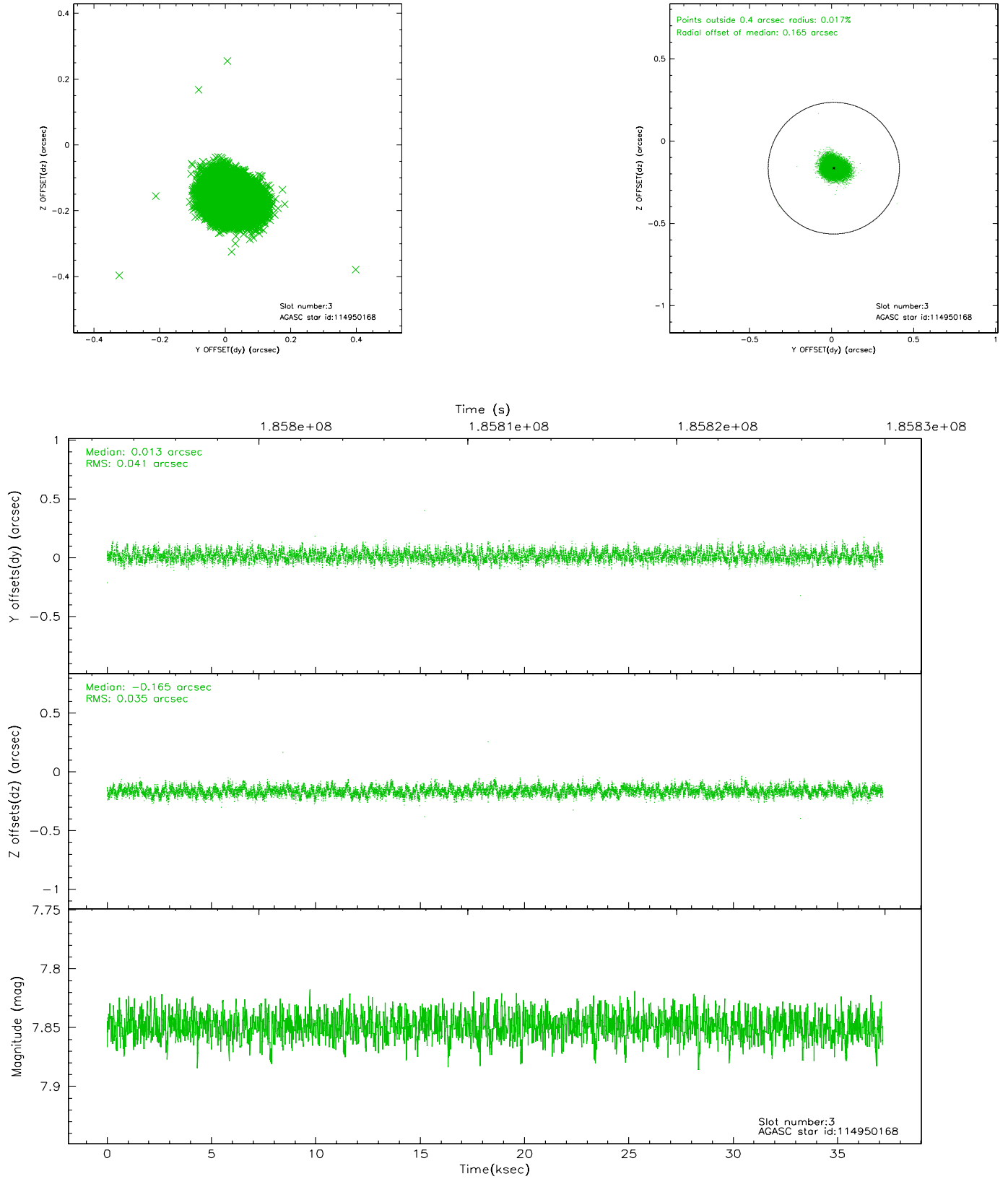
### Slot Statistics

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	9066	-0.038	0.005	0.009	0.018	0.000000	0.000000	-759.64	-1732.21
1	FID	ACIS-S-4	7.20	9066	0.027	0.017	0.013	0.022	0.000000	0.000000	2153.66	176.29
2	FID	ACIS-S-5	7.23	9066	-0.021	-0.013	0.009	0.016	0.000000	0.000000	-1812.45	169.91
3	GUIDE	114950168	7.85	18128	0.013	-0.165	0.058	0.091	187.143398	12.117441	-2017.77	755.62
4	GUIDE	114950584	9.21	18123	0.131	0.107	0.077	0.127	187.487323	11.827248	-2225.34	-829.97
5	GUIDE	114952824	8.57	18128	-0.161	0.076	0.057	0.093	187.703904	12.486727	176.17	-160.16
6	GUIDE	114954440	9.19	18124	0.167	-0.185	0.085	0.141	186.915066	12.219118	-2152.10	1627.99
7	GUIDE	114955056	8.33	18128	-0.151	0.169	0.067	0.112	187.914001	12.127854	-494.86	-1488.46

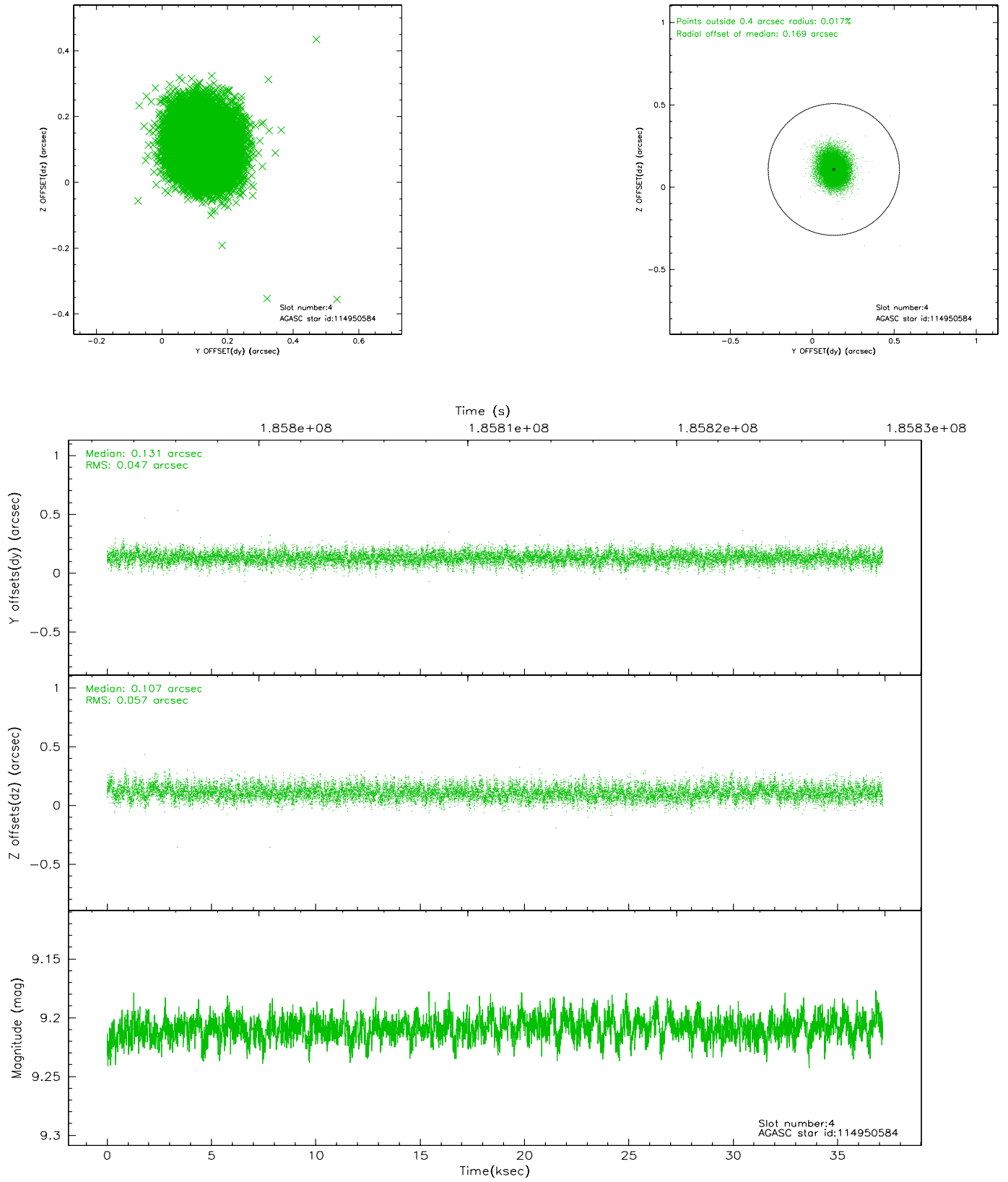


## 2.4 Star Slots

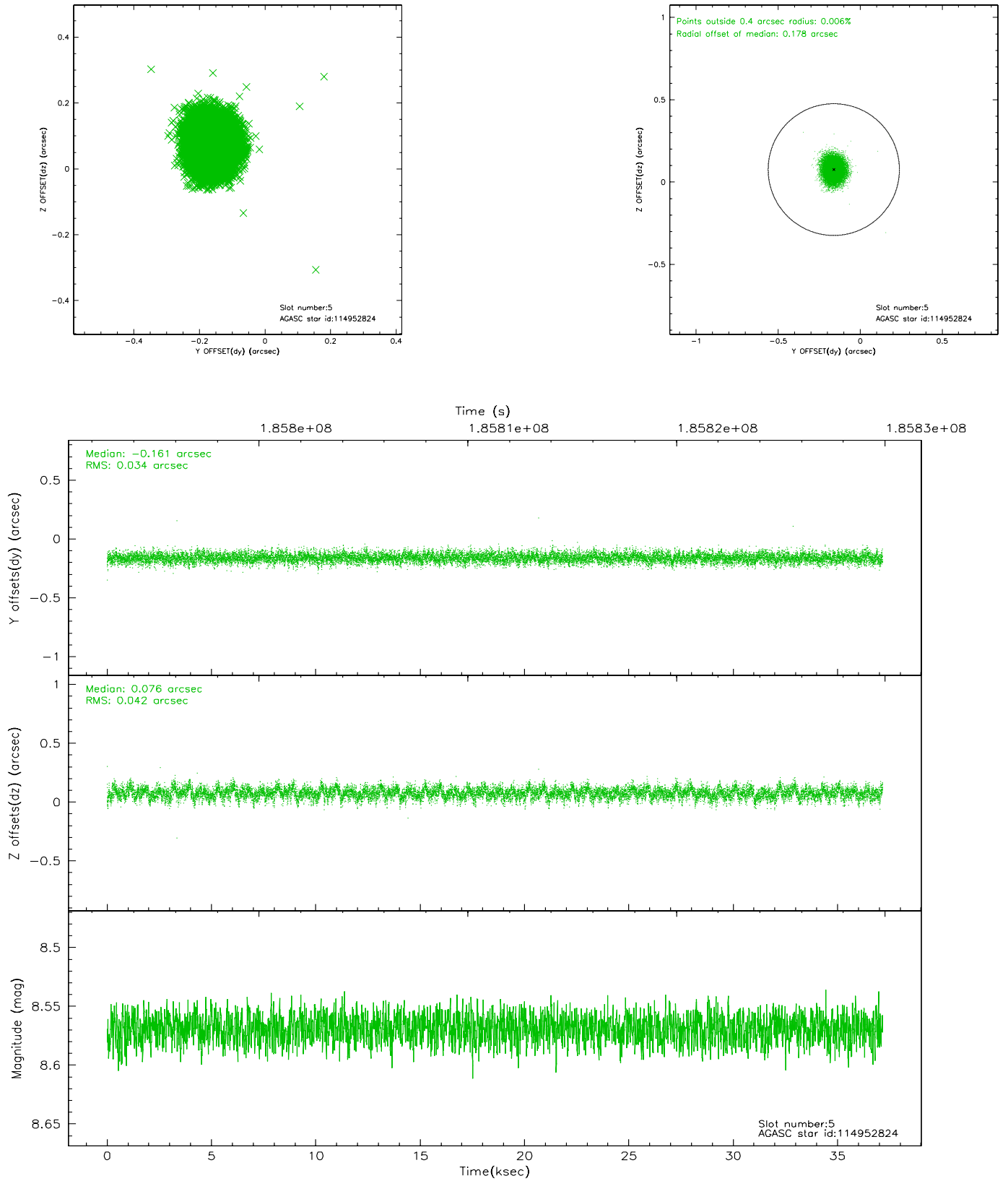
### 2.4.1 Slot 3



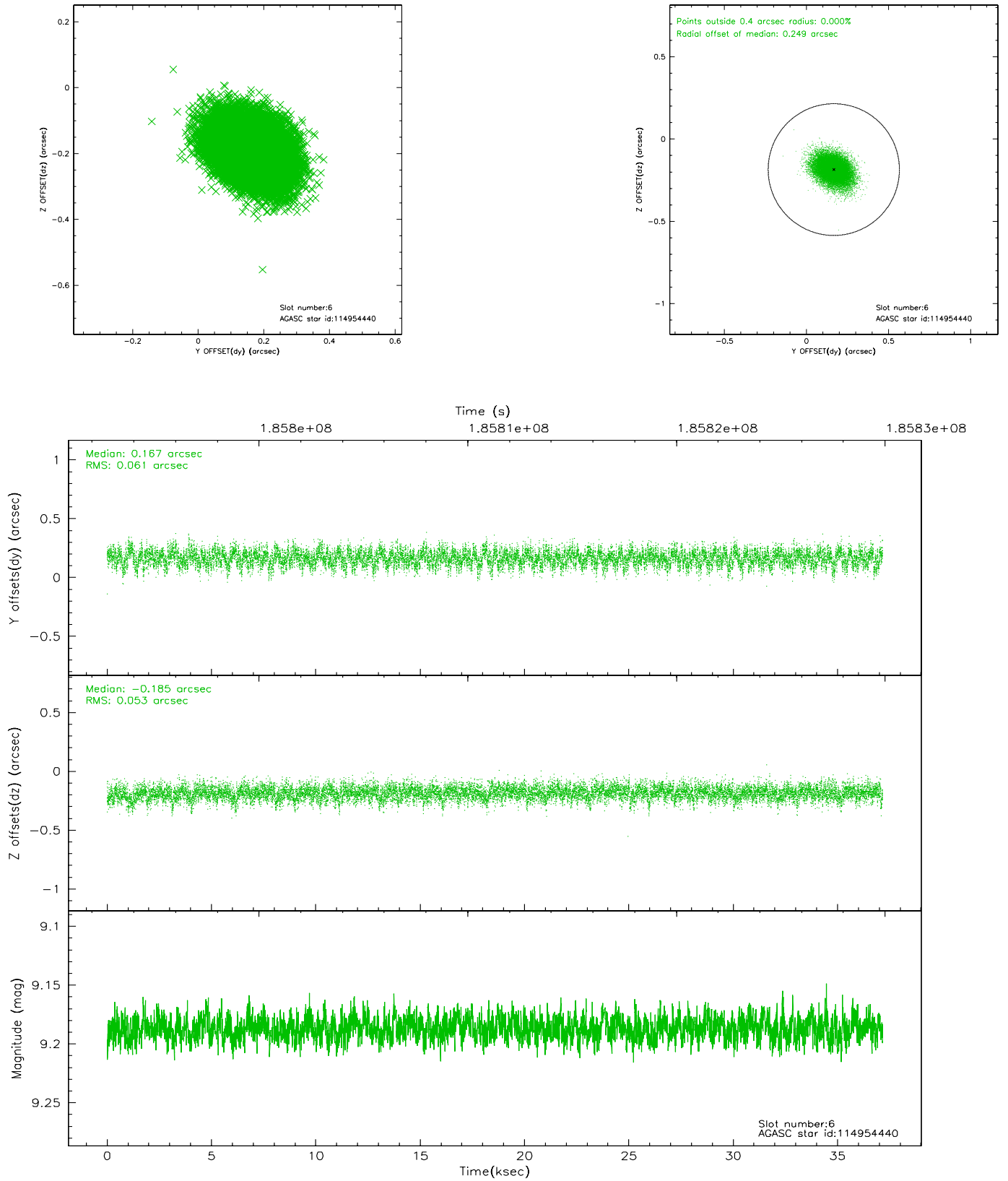
## 2.4.2 Slot 4



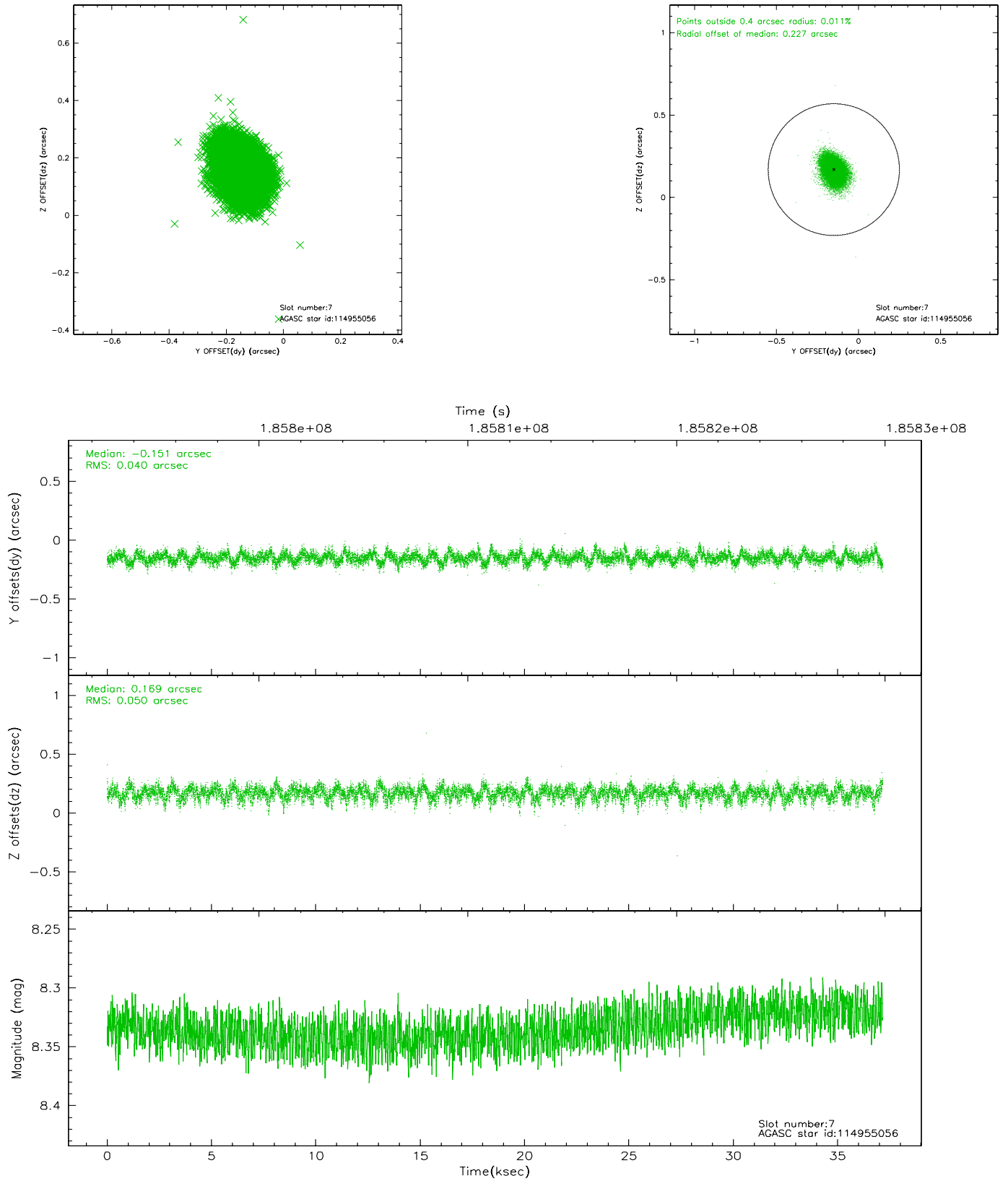
### 2.4.3 Slot 5



## 2.4.4 Slot 6

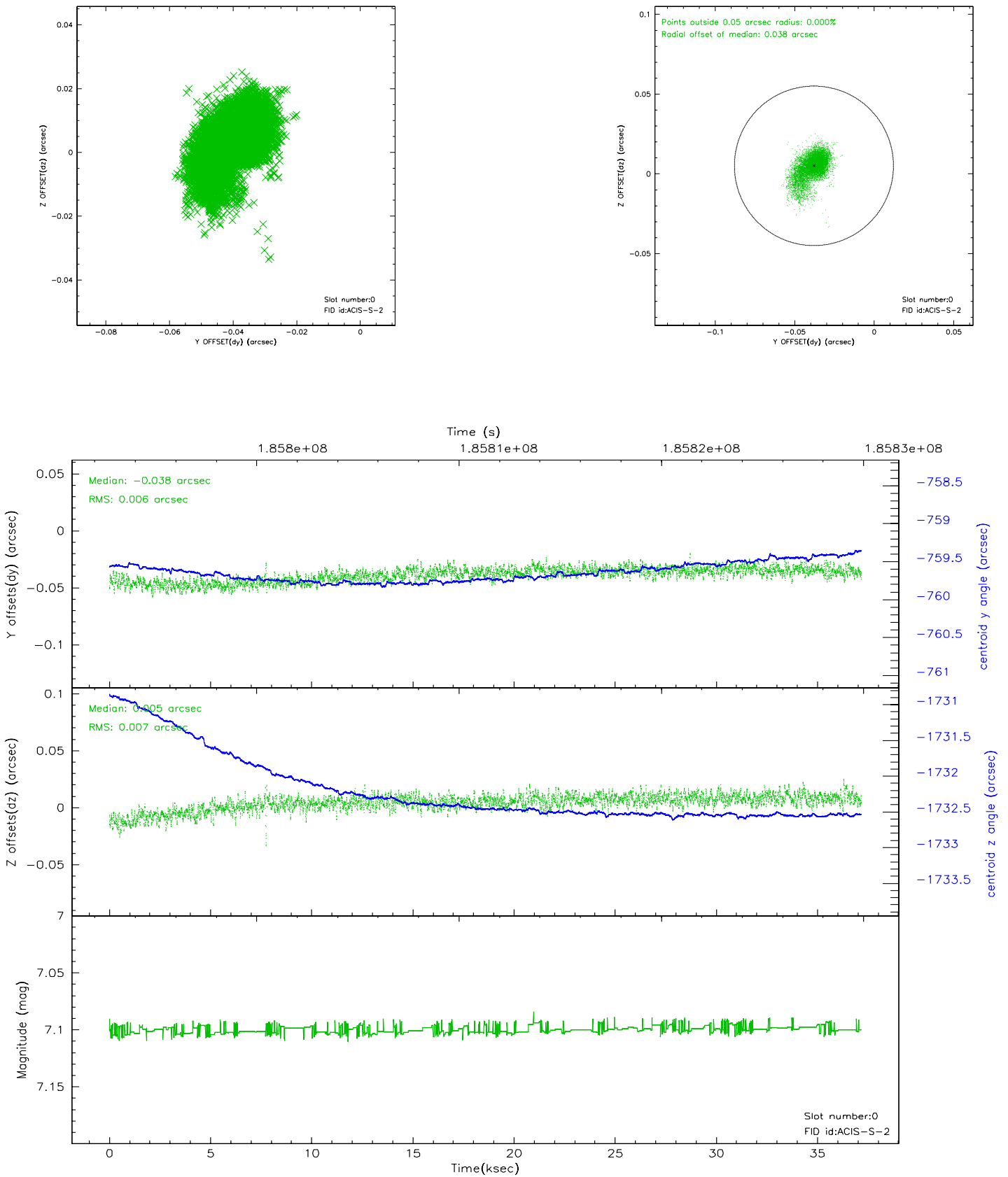


## 2.4.5 Slot 7

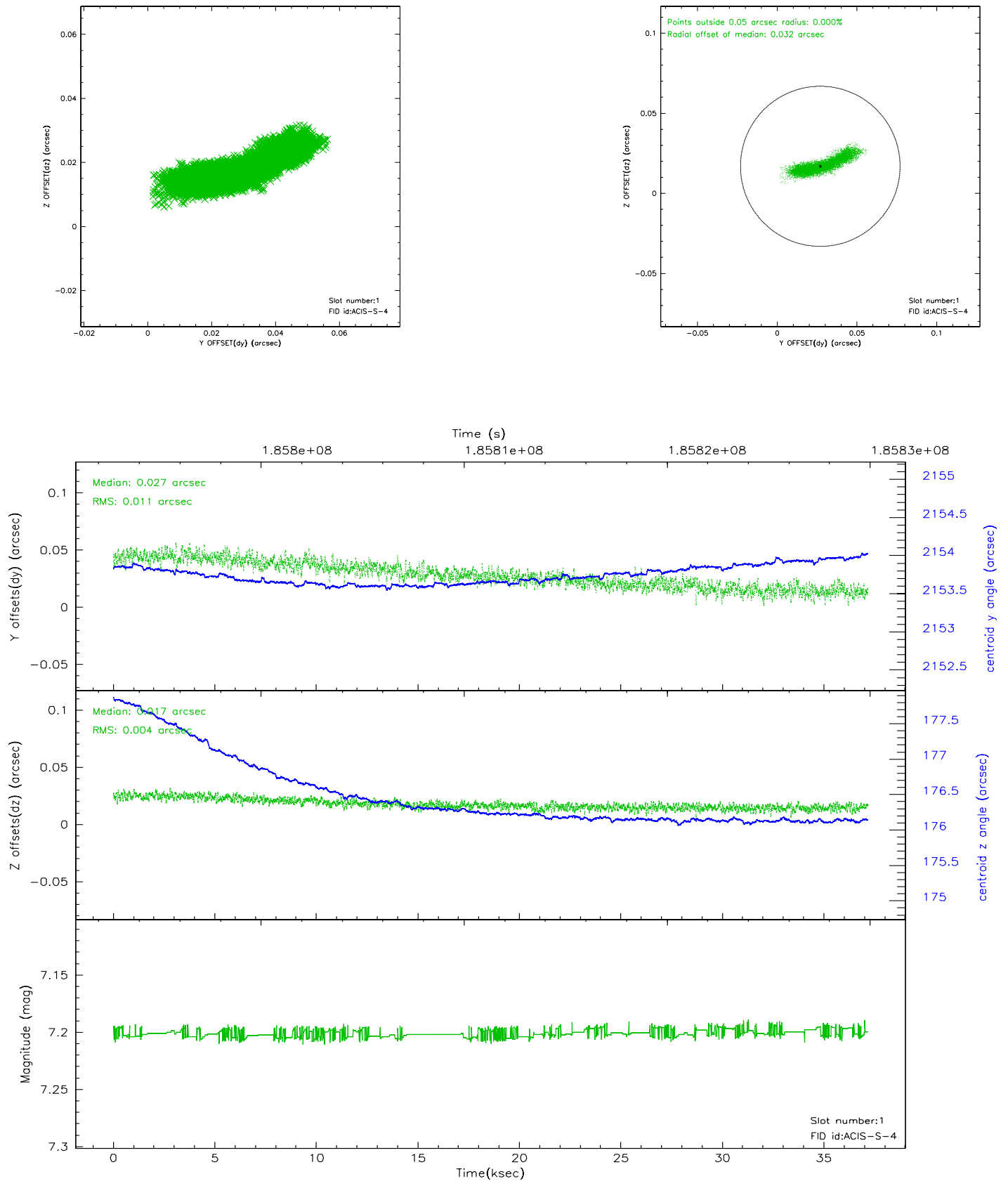


## 2.5 FID Slots

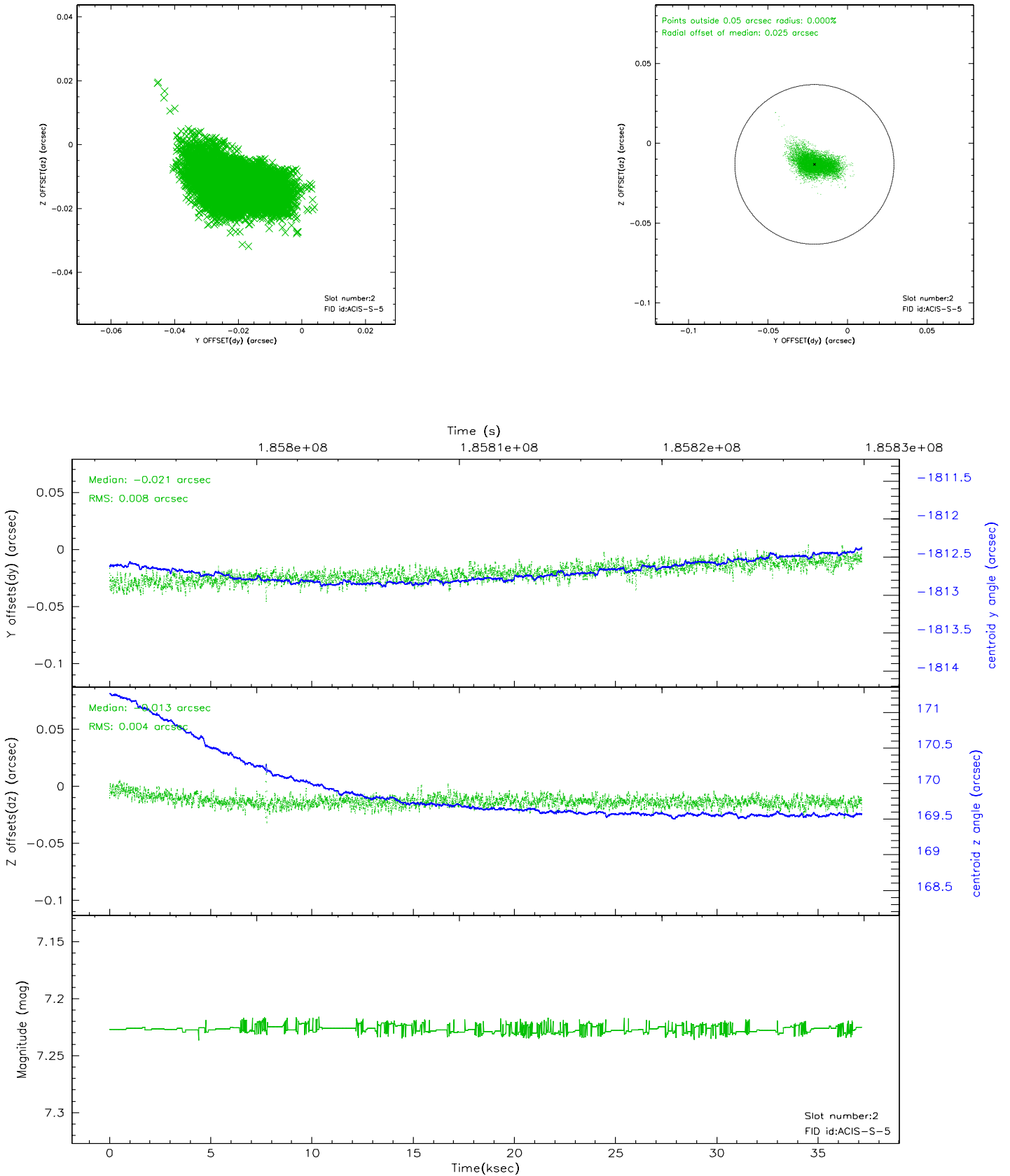
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

5.60 arcmin



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.167

### A.2 Comments