

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3481 - L2 Version 001  
Chandra X-Ray Center

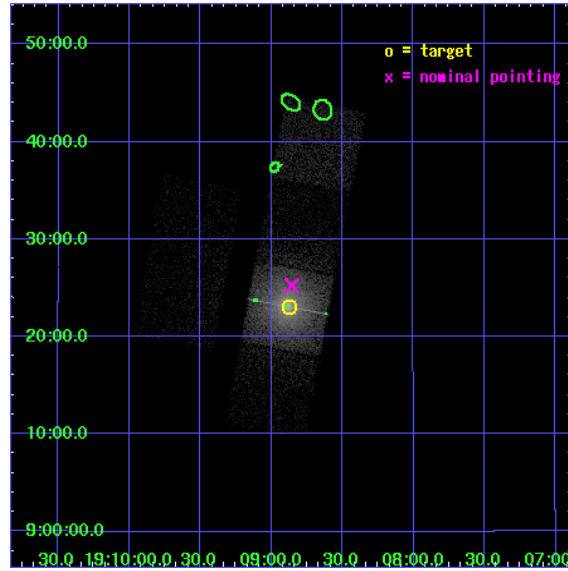
L2 Processing Date : Sep 11 2006

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# 1 Front

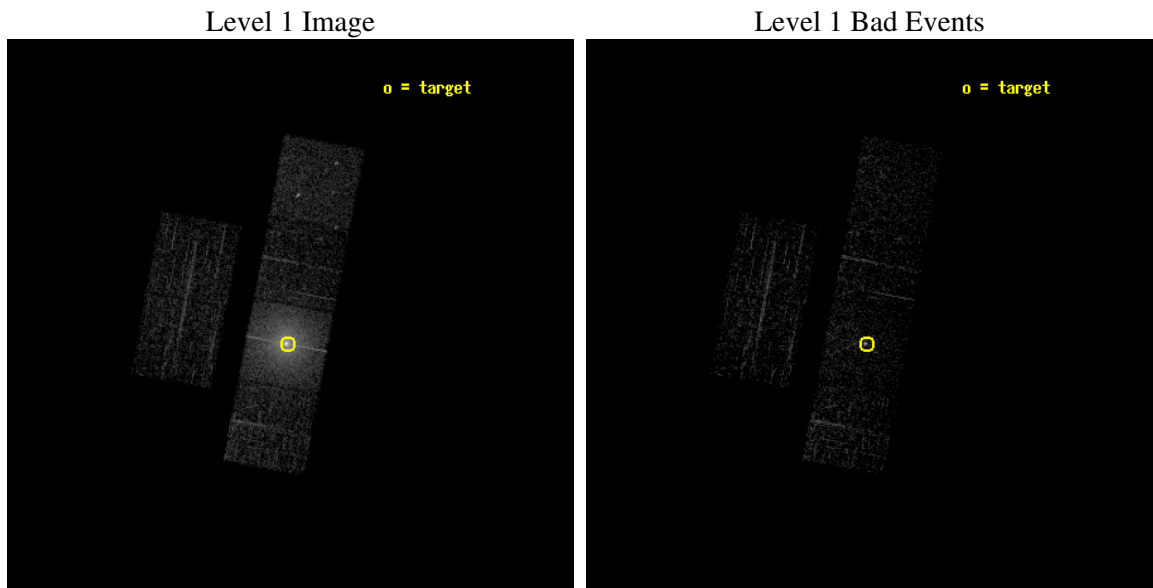
seq_num	400248
obs_id	3481
title	AN ACCURATE POSITION FOR THE BLACK HOLE CANDIDATE XTE J1908+094
observer	DR. MICHAEL RUPEN
object	XTE J1908+094
dtcycle	0
cycle	P
ra_targ	287.218917
dec_targ	9.384028
ra_nom	287.213862274
dec_nom	9.4210351468996
roll_nom	100.72826349069
revision	2
ontime	1129.5999957919
livetime	1115.2963204817
ontime2	1129.5999957919
ontime3	1129.5999957919
ontime5	1129.5999957919
ontime6	1129.5999957919
ontime7	1129.5999957919
ontime8	1129.5999957919
l2events	47363



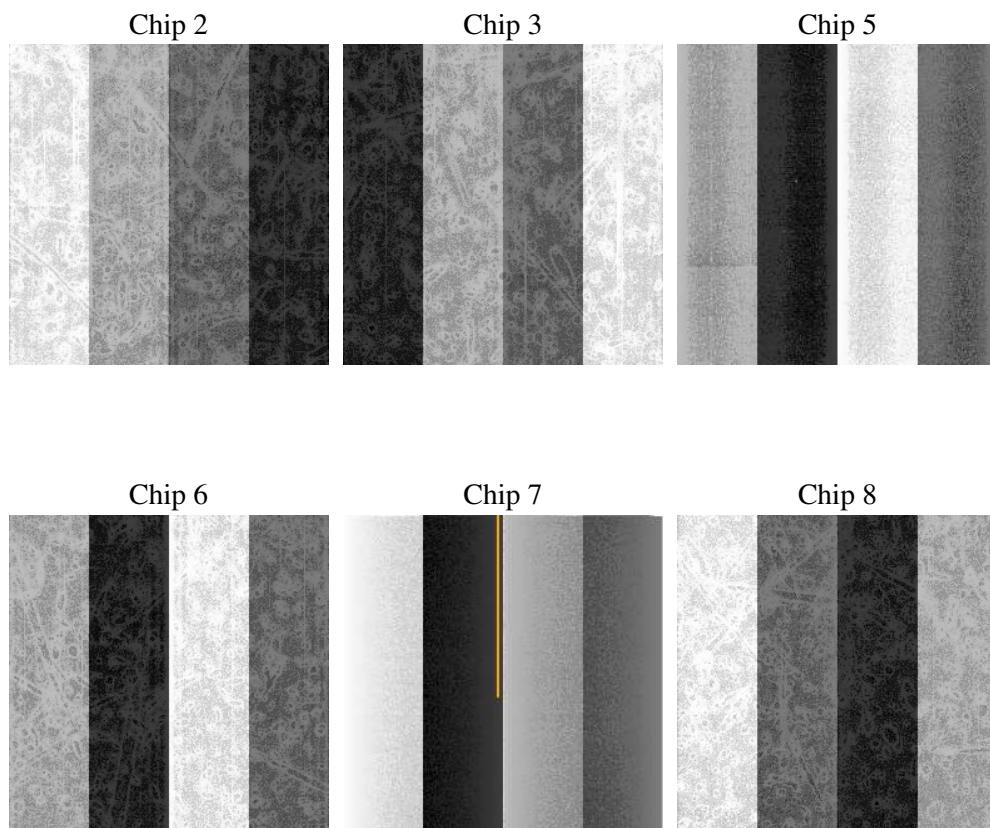
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-11T06:02:21
revision	2

sched_exp_time	994.243000
ontime	1134.3495662808
ontime2	1134.3495662808
ontime3	1134.3495662808
ontime5	1134.3495662808
ontime6	1134.3495662808
ontime7	1134.3495662808
ontime8	1134.3495662808
l1events	90655

### 2.1.4 Events

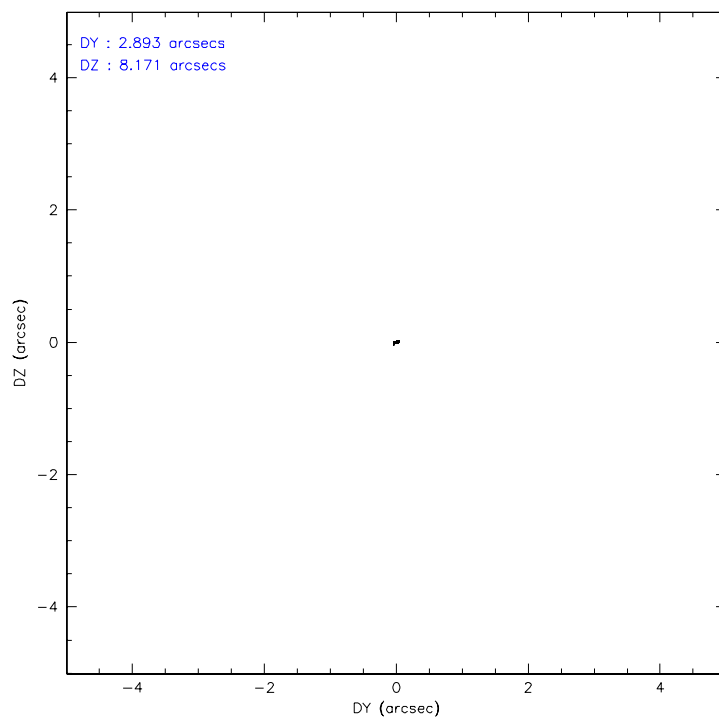
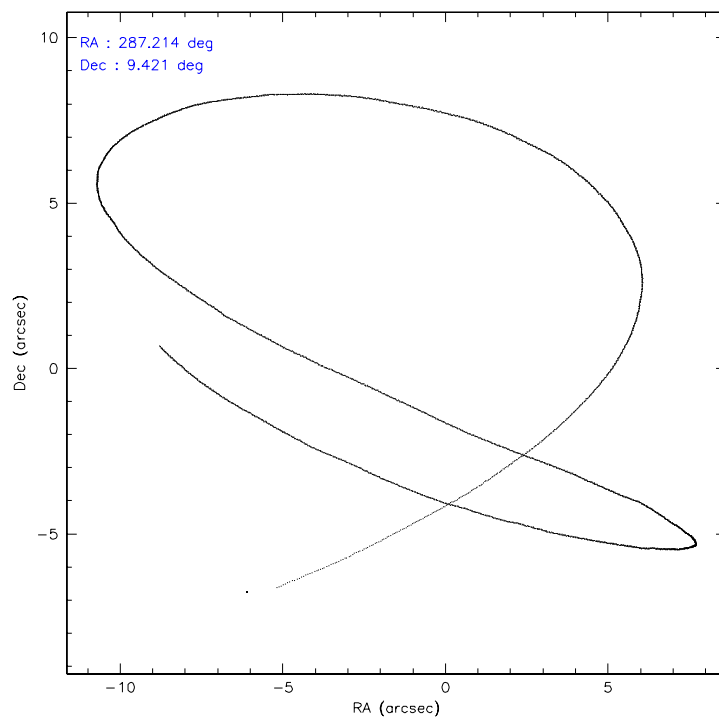
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	8017	7825	10901	8334	45265	10313
rejected events	6945	6640	5924	6066	7299	7425
rejected %	86%	84%	54%	72%	16%	71%

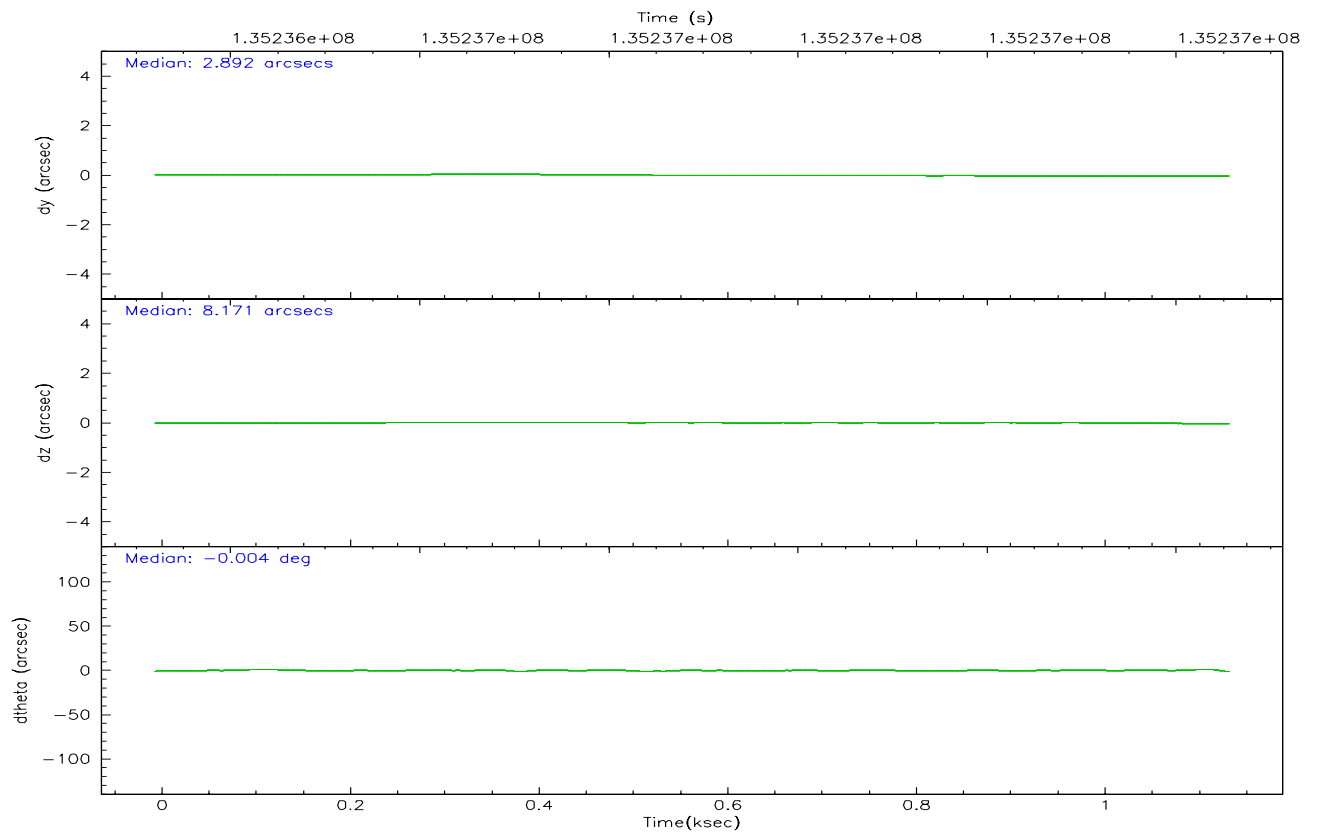
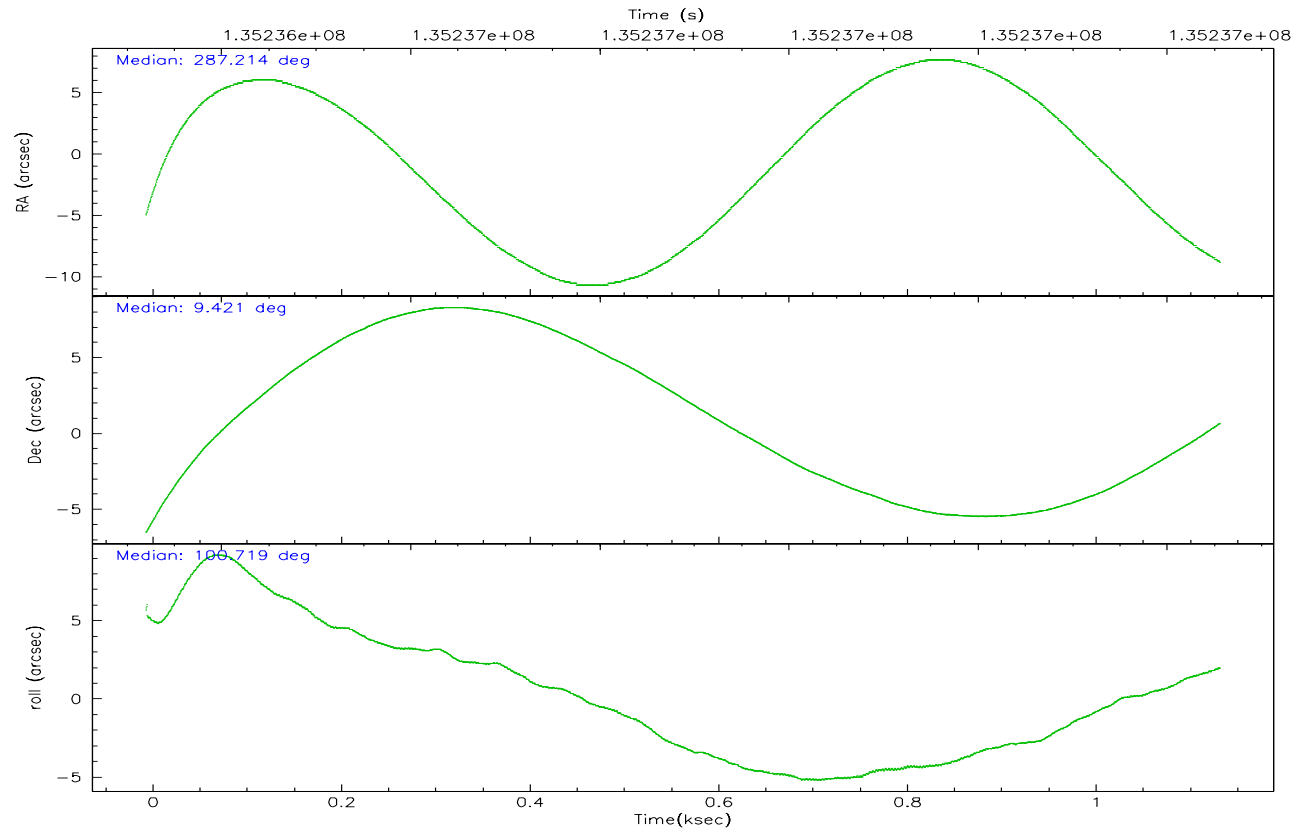
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	550	654	718	1477	7164	1493
	6%	8%	6%	17%	15%	14%
grade 1 events	4	7	23	7	64	12
	0%	0%	0%	0%	0%	0%
grade 2 events	189	196	1401	341	10966	447
	2%	2%	12%	4%	24%	4%
grade 3 events	95	77	129	123	3661	273
	1%	0%	1%	1%	8%	2%
grade 4 events	90	102	121	140	3648	280
	1%	1%	1%	1%	8%	2%
grade 5 events	242	295	535	292	1040	412
	3%	3%	4%	3%	2%	3%
grade 6 events	157	159	2628	202	12745	415
	1%	2%	24%	2%	28%	4%
grade 7 events	6690	6335	5346	5752	5977	6981
	83%	80%	49%	69%	13%	67%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	NONE	NONE
Pointing RA	287.231930	287.2138622740017	Alternating exposures requested	N	N
Pointing Dec	9.400662	9.421035146899582	Primary exposure time	0.000000	3.2
Pointing Roll	100.568733	100.7282634906948			
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	135236458.184000	135235408.86316			
Observation start date	2002-04-15T05:39:54	2002-04-15T05:23:28			
Observation end time	135237452.184000	135237766.87576			
Observation end date	2002-04-15T05:56:28	2002-04-15T06:02:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





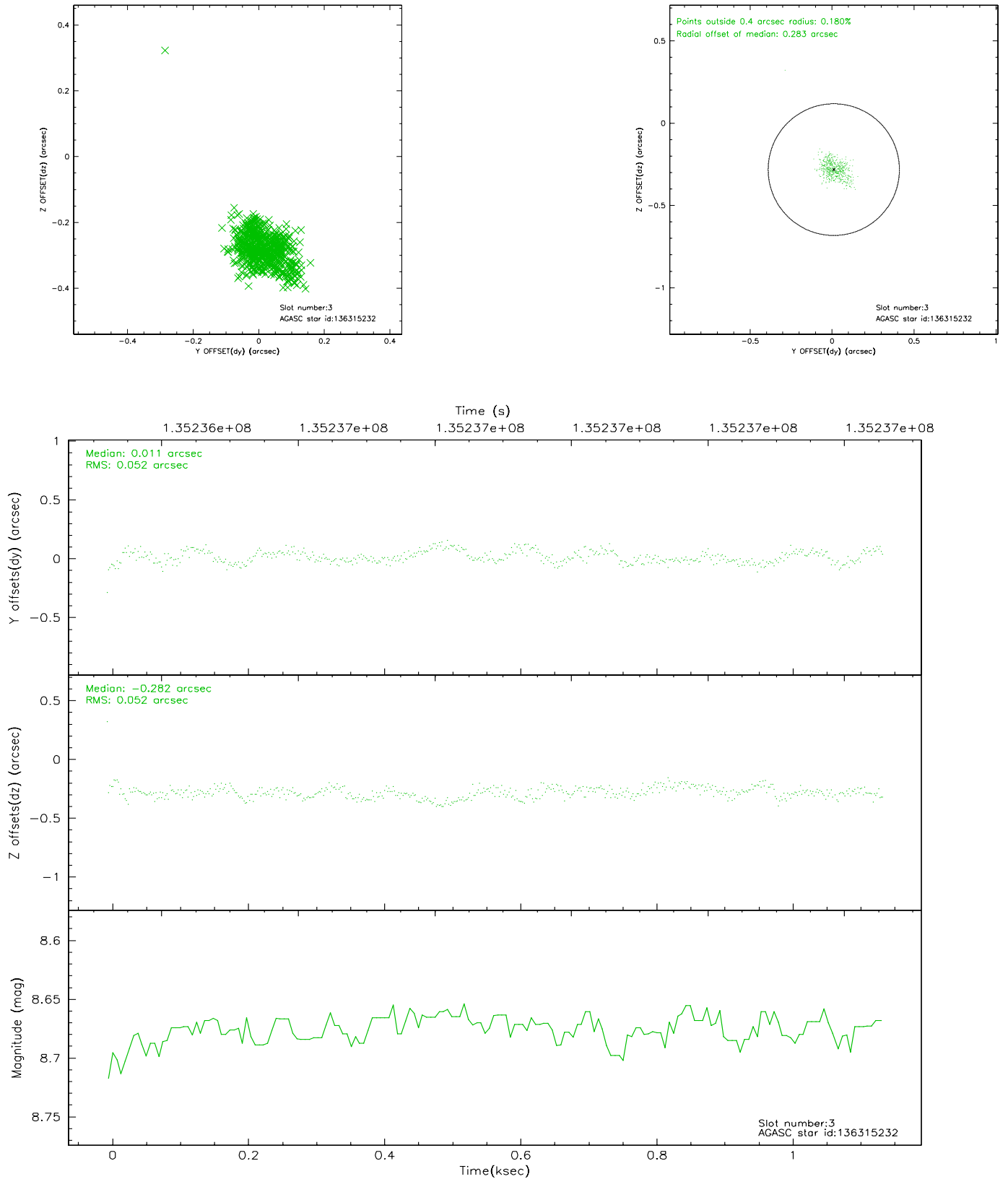
### Slot Statistics

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	278	0.013	0.027	0.006	0.010	0.000000	0.000000	-755.53	-1729.28
1	FID	ACIS-S-4	7.20	278	-0.094	-0.013	0.005	0.008	0.000000	0.000000	2155.00	173.09
2	FID	ACIS-S-5	7.23	278	0.050	-0.004	0.006	0.009	0.000000	0.000000	-1800.77	173.45
3	GUIDE	136315232	8.67	556	0.011	-0.282	0.072	0.123	286.672306	9.148044	-528.06	2122.13
4	GUIDE	136972792	8.99	557	-0.045	0.083	0.108	0.169	287.645557	10.161389	2423.61	-1938.49
5	GUIDE	136450552	9.24	557	0.077	0.157	0.102	0.156	287.756963	9.197020	-1056.91	-1702.79
6	GUIDE	136314944	9.16	557	0.099	-0.080	0.085	0.137	286.850073	8.989486	-1207.51	1603.51
7	GUIDE	136979696	9.39	556	-0.155	0.117	0.083	0.135	287.607746	9.703592	826.04	-1507.35

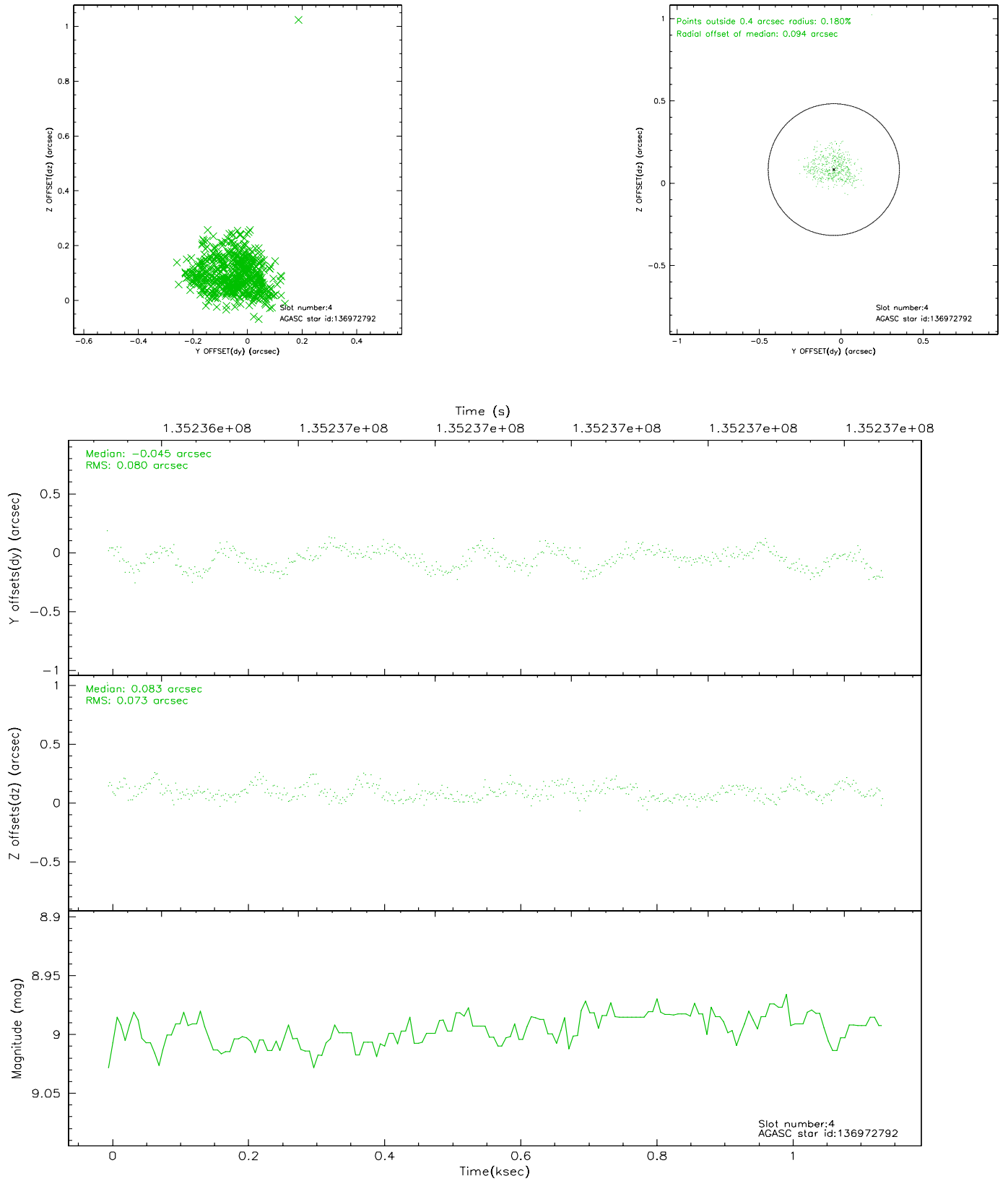


## 2.4 Star Slots

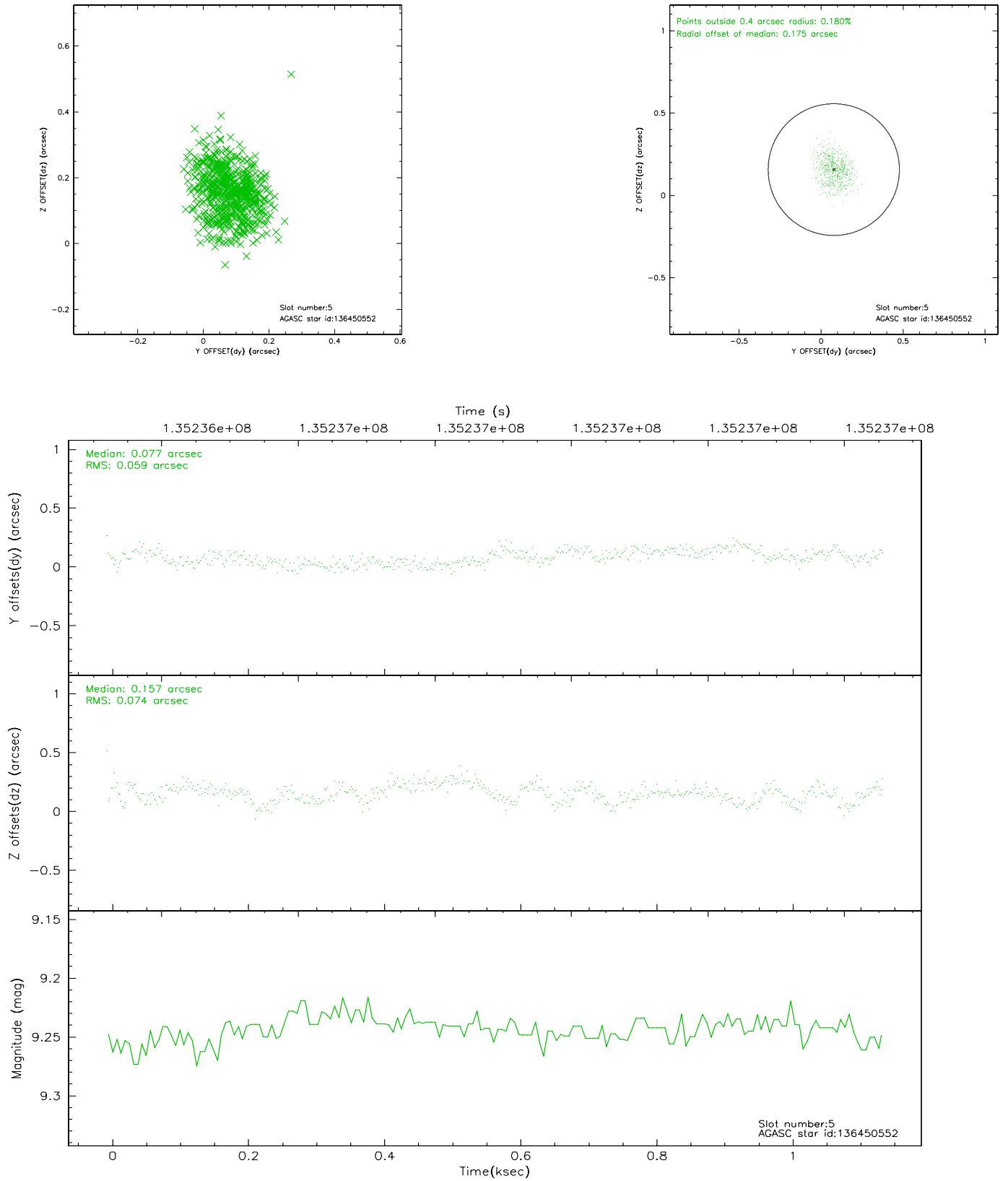
### 2.4.1 Slot 3



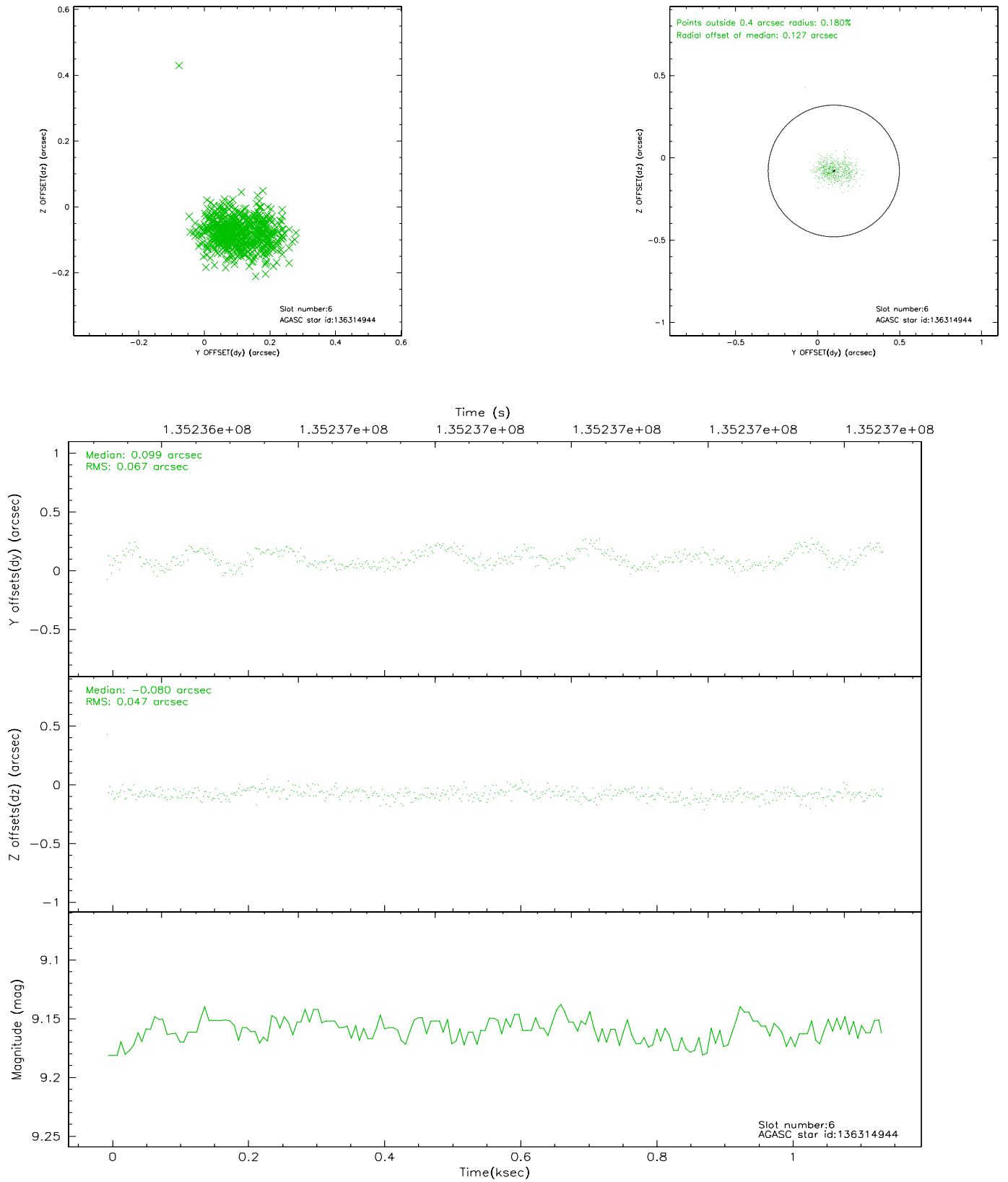
## 2.4.2 Slot 4



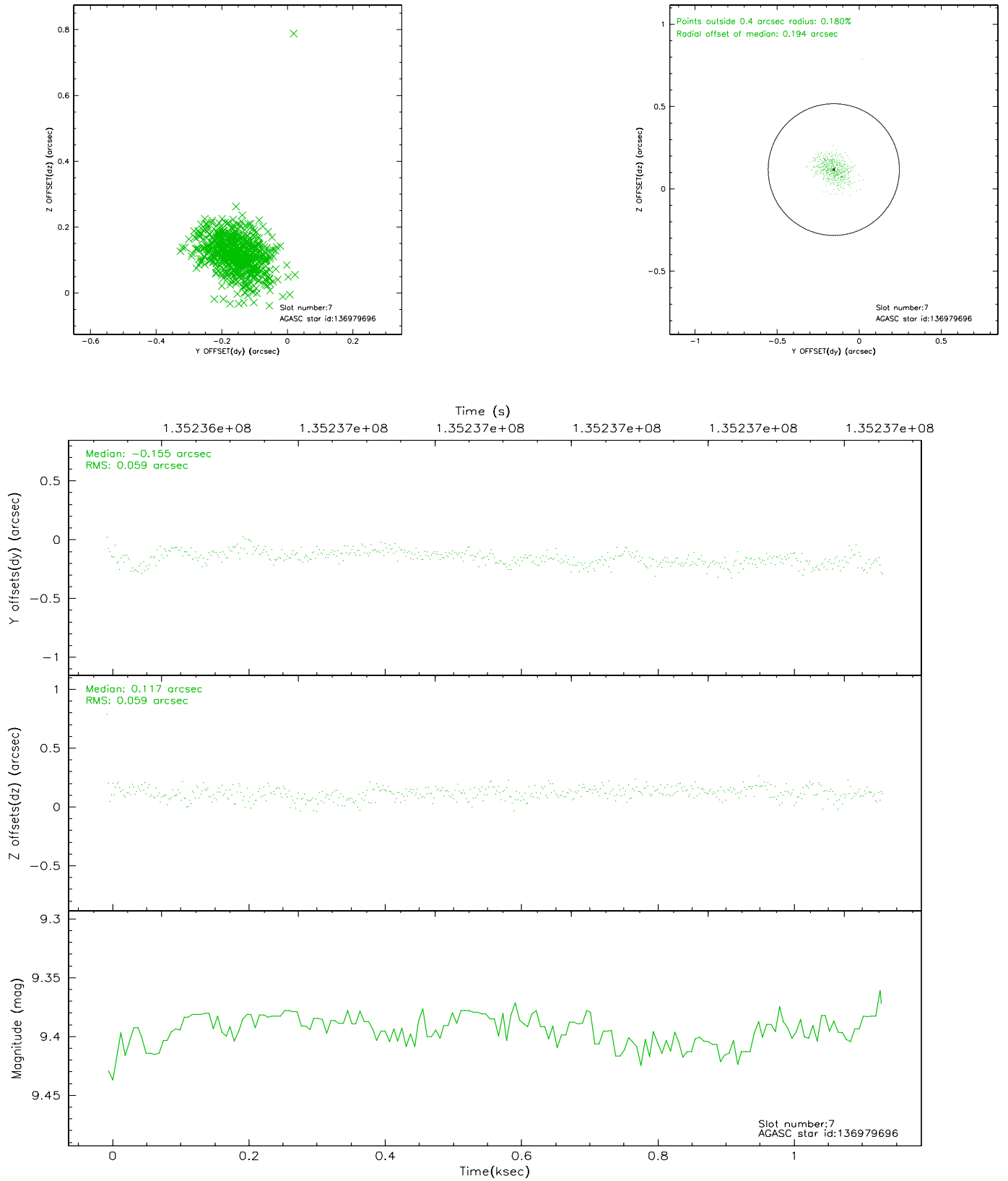
### 2.4.3 Slot 5



## 2.4.4 Slot 6

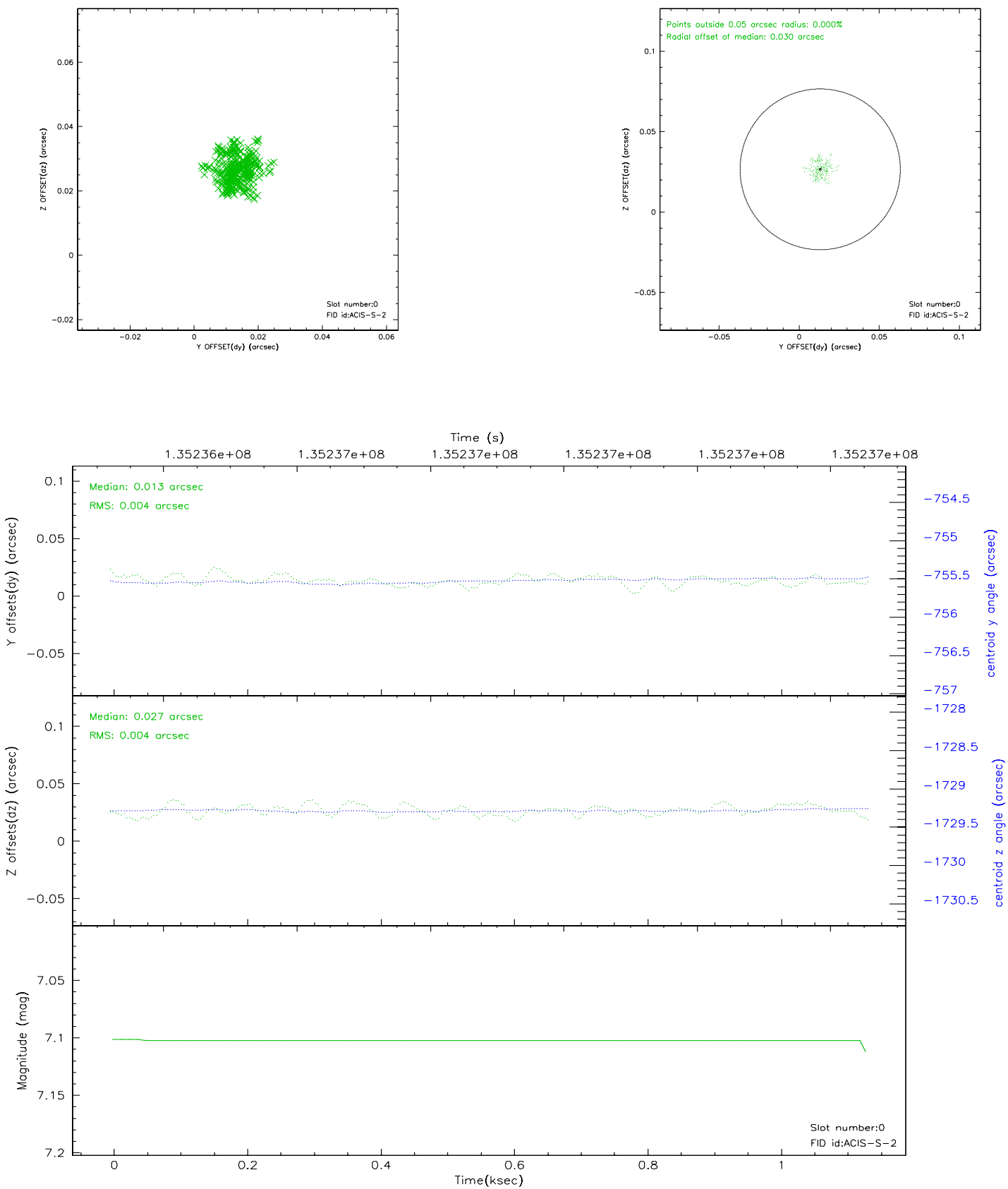


## 2.4.5 Slot 7

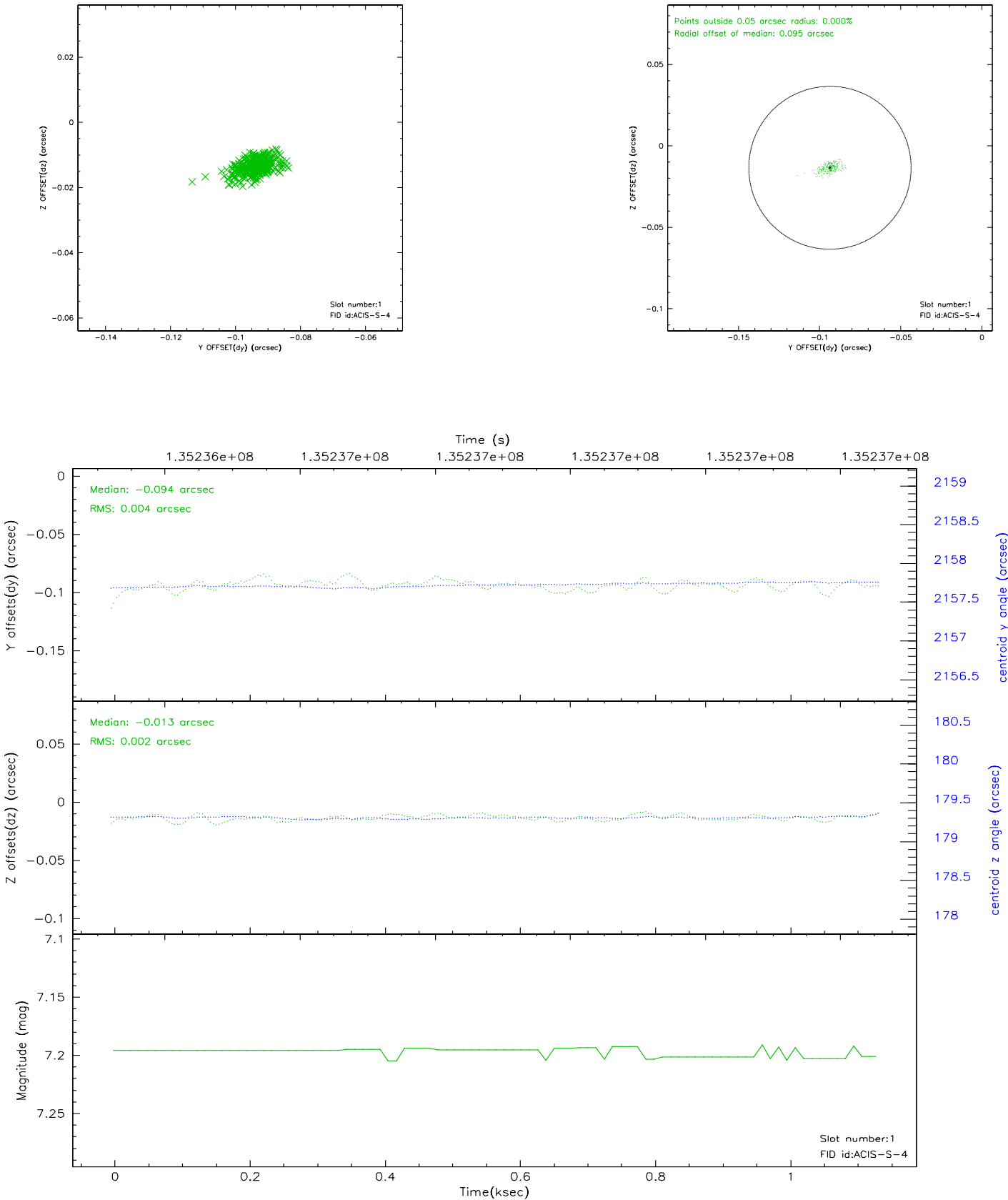


## 2.5 FID Slots

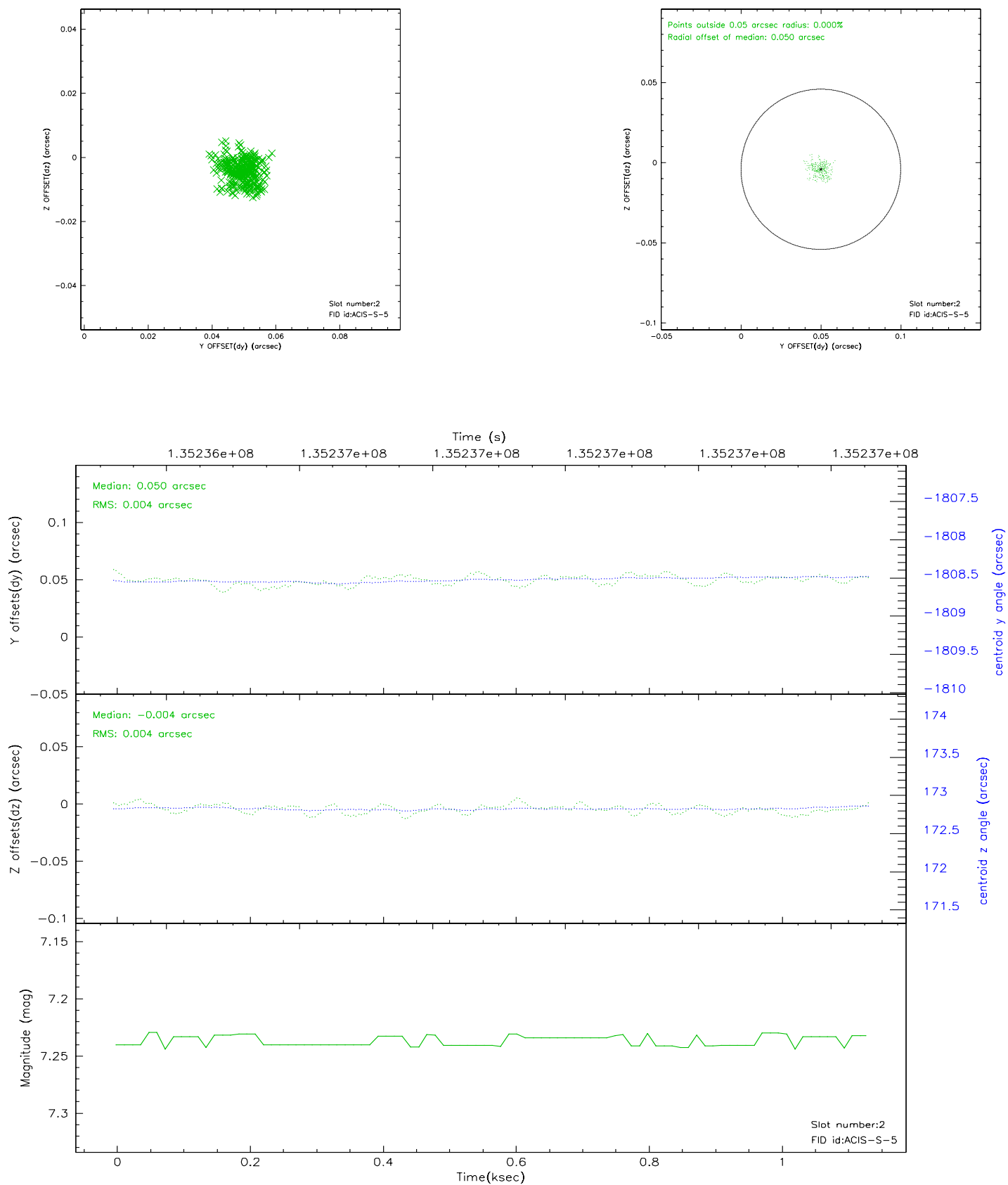
### 2.5.1 Slot 0



2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

18.76 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.133

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 1.133 ks,  
although

with the current processing the charge time would have been 1.129 ksec.