

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3335 - L2 Version 001  
Chandra X-Ray Center

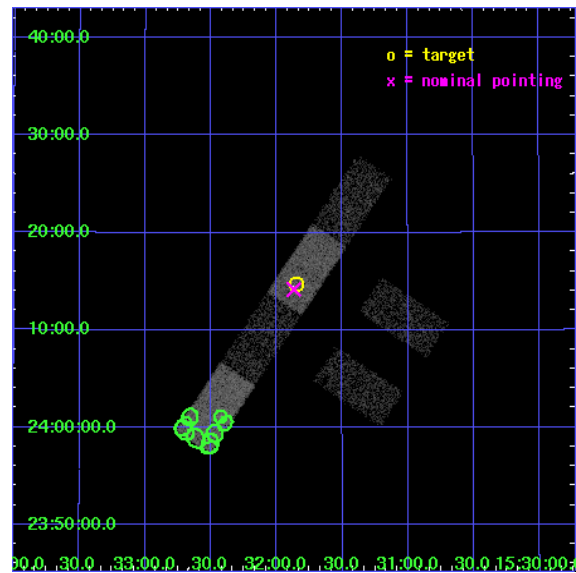
L2 Processing Date : Oct 5 2006

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# 1 Front

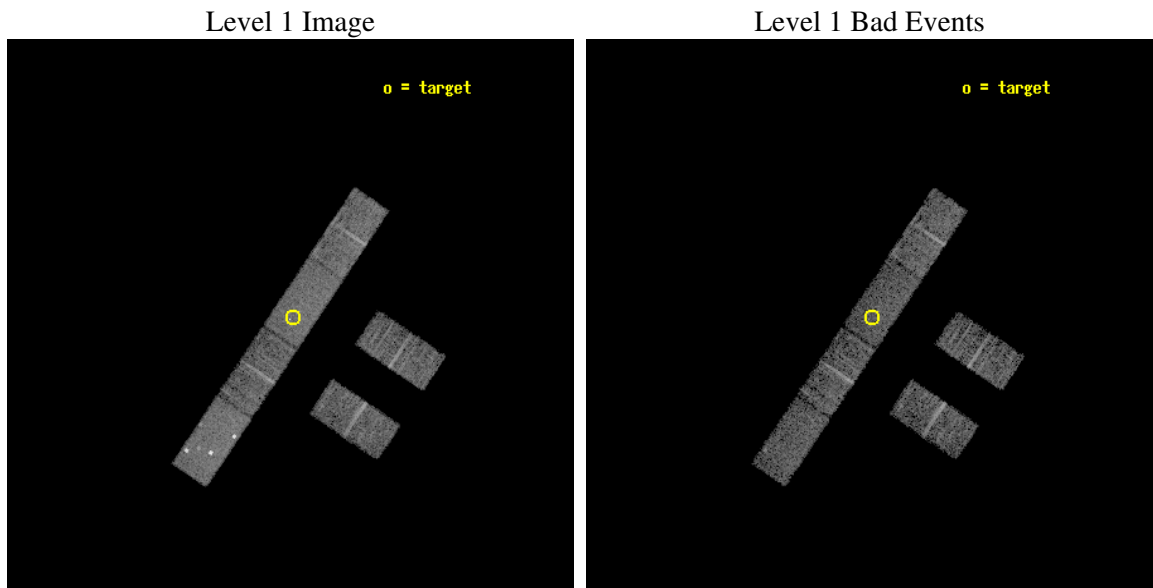
seq_num	900174
obs_id	3335
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?
observer	Professor Kirpal Nandra
object	AX J1531.8+2414
dtcycle	0
cycle	P
ra_targ	232.962917
dec_targ	24.245278
ra_nom	232.96725191513
dec_nom	24.236314302291
roll_nom	303.81145010906
revision	2
ontime	5583.6000369787
livetime	5459.1318312268
ontime2	5583.6000369787
ontime3	5583.6000369787
ontime5	5583.6000369787
ontime6	5583.6000369787
ontime7	5583.6000369787
ontime8	5583.6000369787
l2events	29717



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-05T22:02:42
revision	2

sched_exp_time	5200.000000
ontime	5604.0553323328
ontime2	5604.0553323328
ontime3	5605.8963423967
ontime5	5604.0553323328
ontime6	5604.0553323328
ontime7	5604.0553323328
ontime8	5605.8963423967
l1events	144747

### 2.1.4 Events

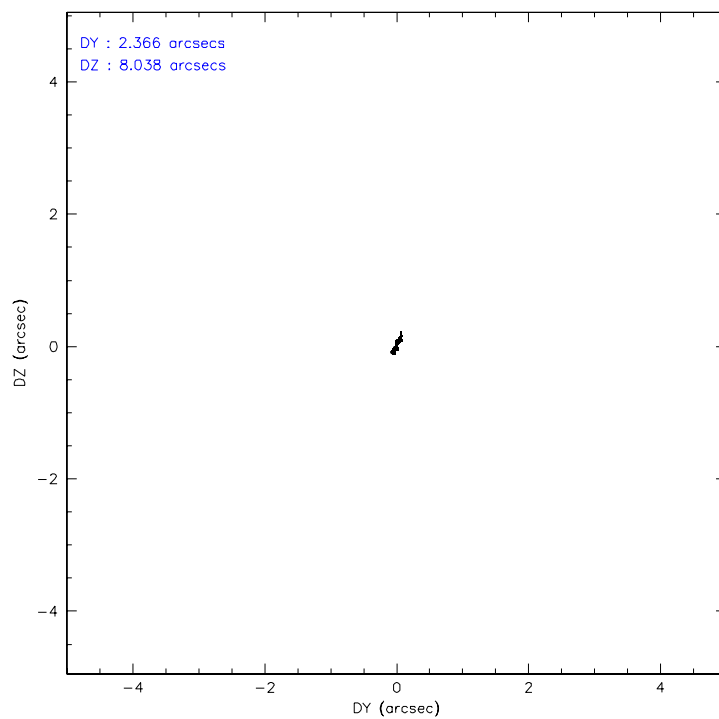
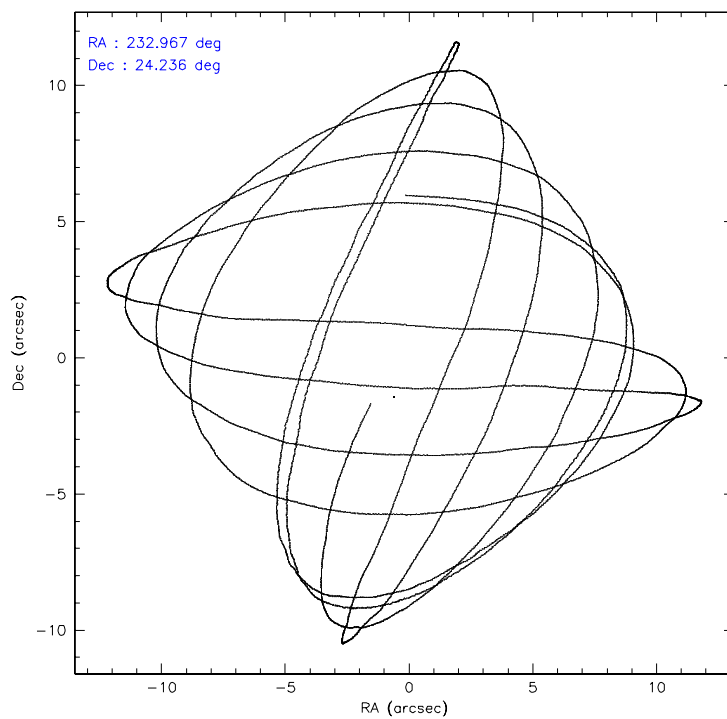
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19893	20189	32773	20138	25888	25866
rejected events	17541	18098	15521	17837	15429	20787
rejected %	88%	89%	47%	88%	59%	80%

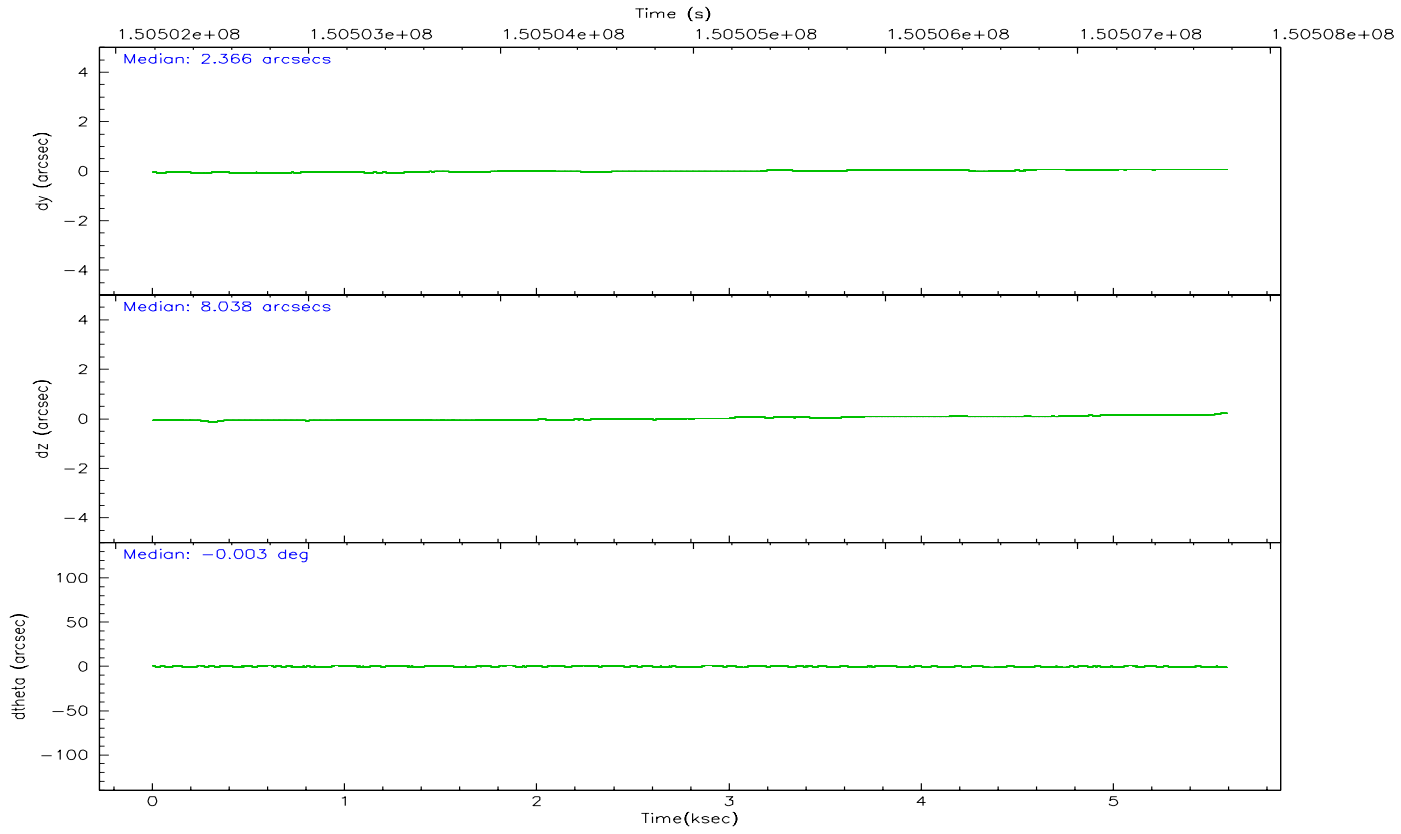
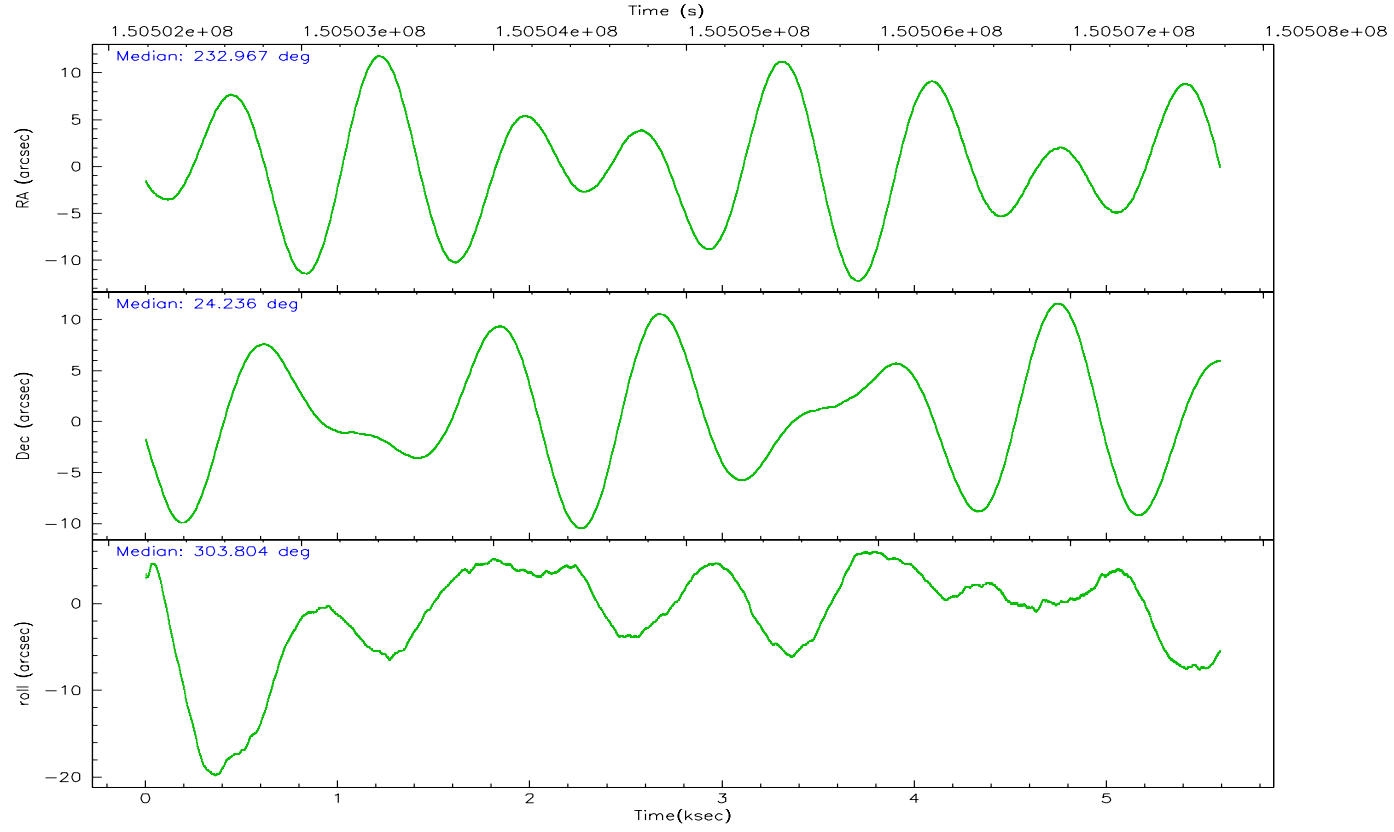
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	996	845	5502	862	863	1607
	5%	4%	16%	4%	3%	6%
grade 1 events	9	10	147	6	13	8
	0%	0%	0%	0%	0%	0%
grade 2 events	455	387	4289	462	2665	1082
	2%	1%	13%	2%	10%	4%
grade 3 events	279	282	368	257	674	503
	1%	1%	1%	1%	2%	1%
grade 4 events	265	247	328	256	662	543
	1%	1%	1%	1%	2%	2%
grade 5 events	739	757	1412	882	1802	1031
	3%	3%	4%	4%	6%	3%
grade 6 events	369	341	6821	470	5622	1348
	1%	1%	20%	2%	21%	5%
grade 7 events	16781	17320	13906	16943	13587	19744
	84%	85%	42%	84%	52%	76%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	232.940204	232.9672519151313	Subarray requested	1/2	1/2
Pointing Dec	24.248102	24.23631430229107	Subarray start row	0	257
Pointing Roll	303.665927	303.8114501090606	Subarray row count	1024	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.8
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	150502584.184000	150501516.56483			
Observation start date	2002-10-08T22:15:20	2002-10-08T21:58:36			
Observation end time	150507784.184000	150508173.94011			
Observation end date	2002-10-08T23:42:00	2002-10-08T23:49:33			
Read mode	TIMED	TIMED			

## 2.3 Aspect





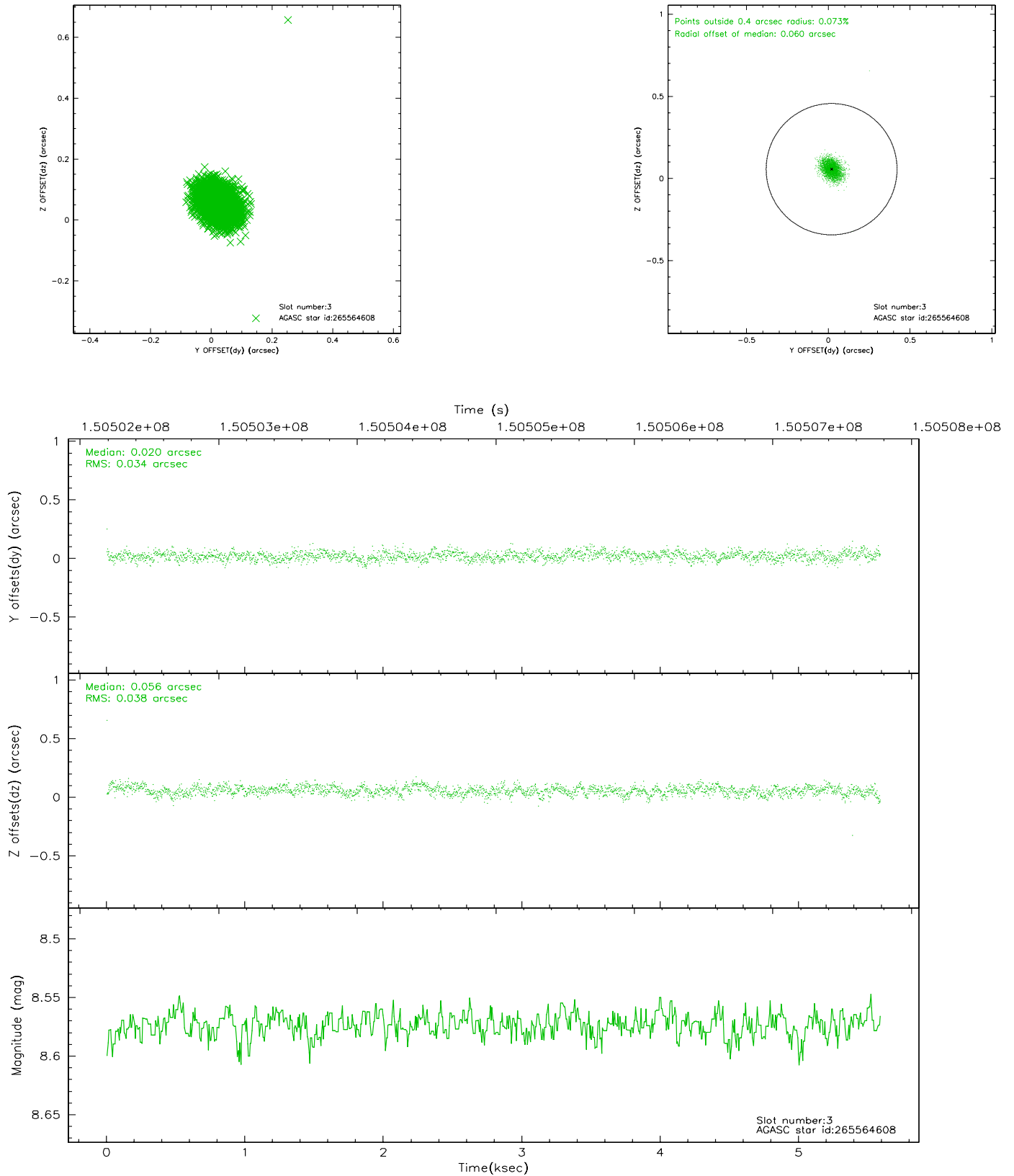
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1363	0.002	0.027	0.007	0.011	0.000000	0.000000	-755.01	-1729.22
1	FID	ACIS-S-4	7.20	1363	-0.081	-0.008	0.005	0.009	0.000000	0.000000	2157.72	178.09
2	FID	ACIS-S-5	7.24	1363	0.047	-0.010	0.006	0.010	0.000000	0.000000	-1806.41	173.02
3	GUIDE	265564608	8.57	2727	0.020	0.056	0.053	0.086	233.145057	23.882493	1469.19	-167.96
4	GUIDE	265555864	9.72	2724	-0.035	0.047	0.119	0.185	233.574285	23.968561	1990.78	1180.94
5	GUIDE	265559904	10.05	2720	0.067	0.046	0.120	0.195	233.501135	24.275645	935.84	1589.58
6	GUIDE	265560536	8.06	2726	0.030	-0.129	0.068	0.113	232.543821	23.755517	751.51	-2068.62
7	GUIDE	265561672	8.43	2726	-0.078	-0.019	0.081	0.127	233.051219	23.521427	2381.21	-1145.74

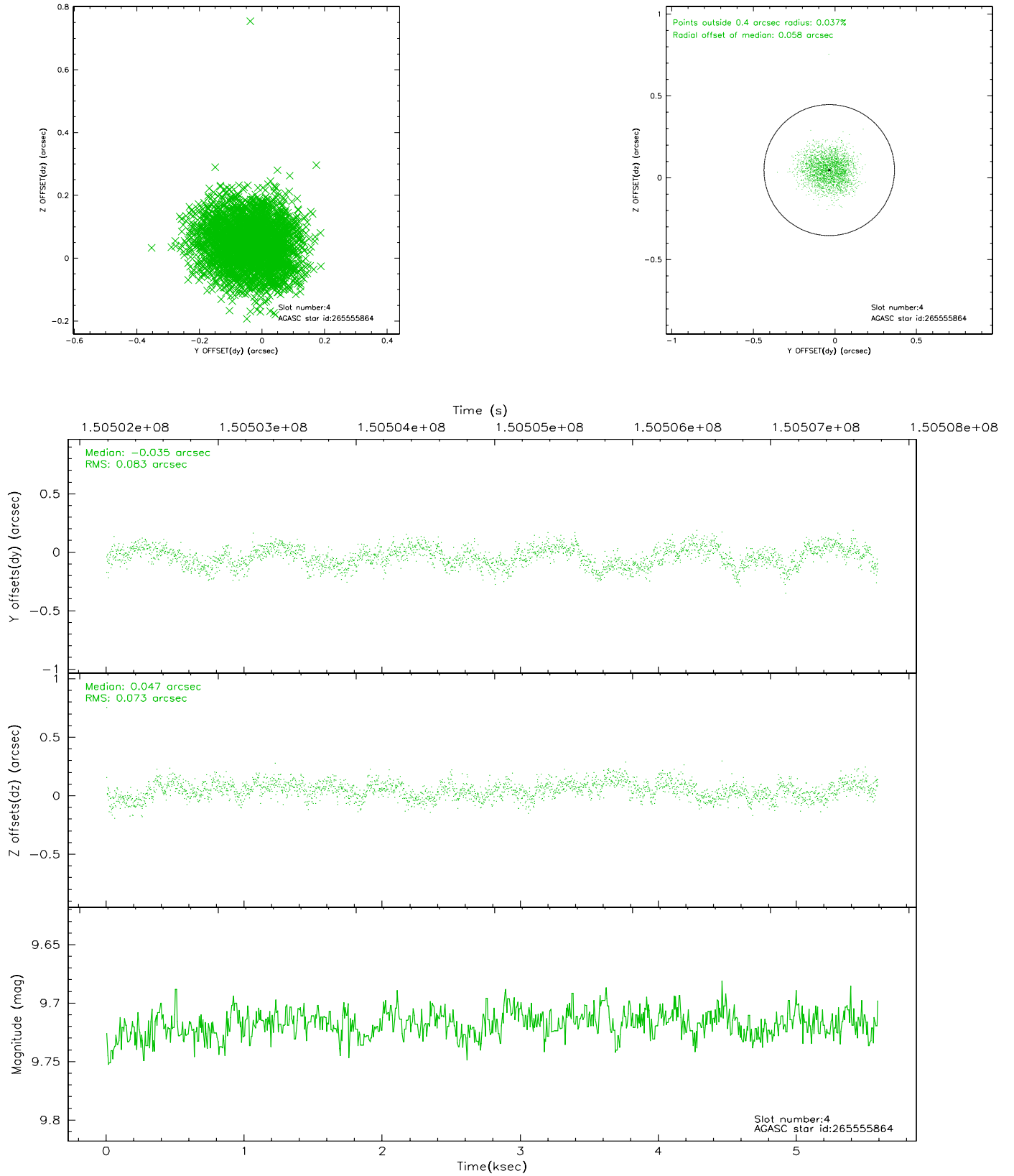


## 2.4 Star Slots

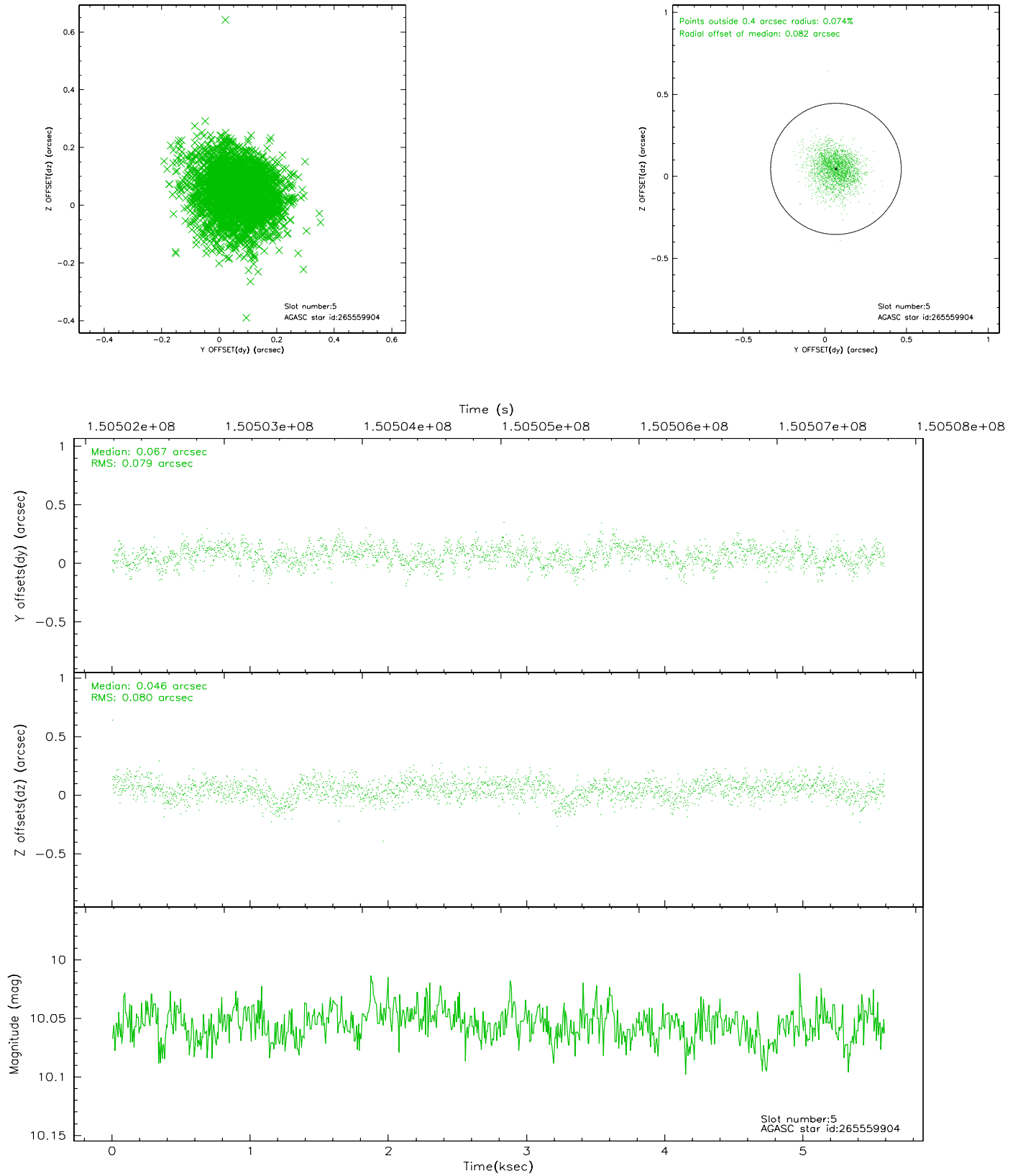
### 2.4.1 Slot 3



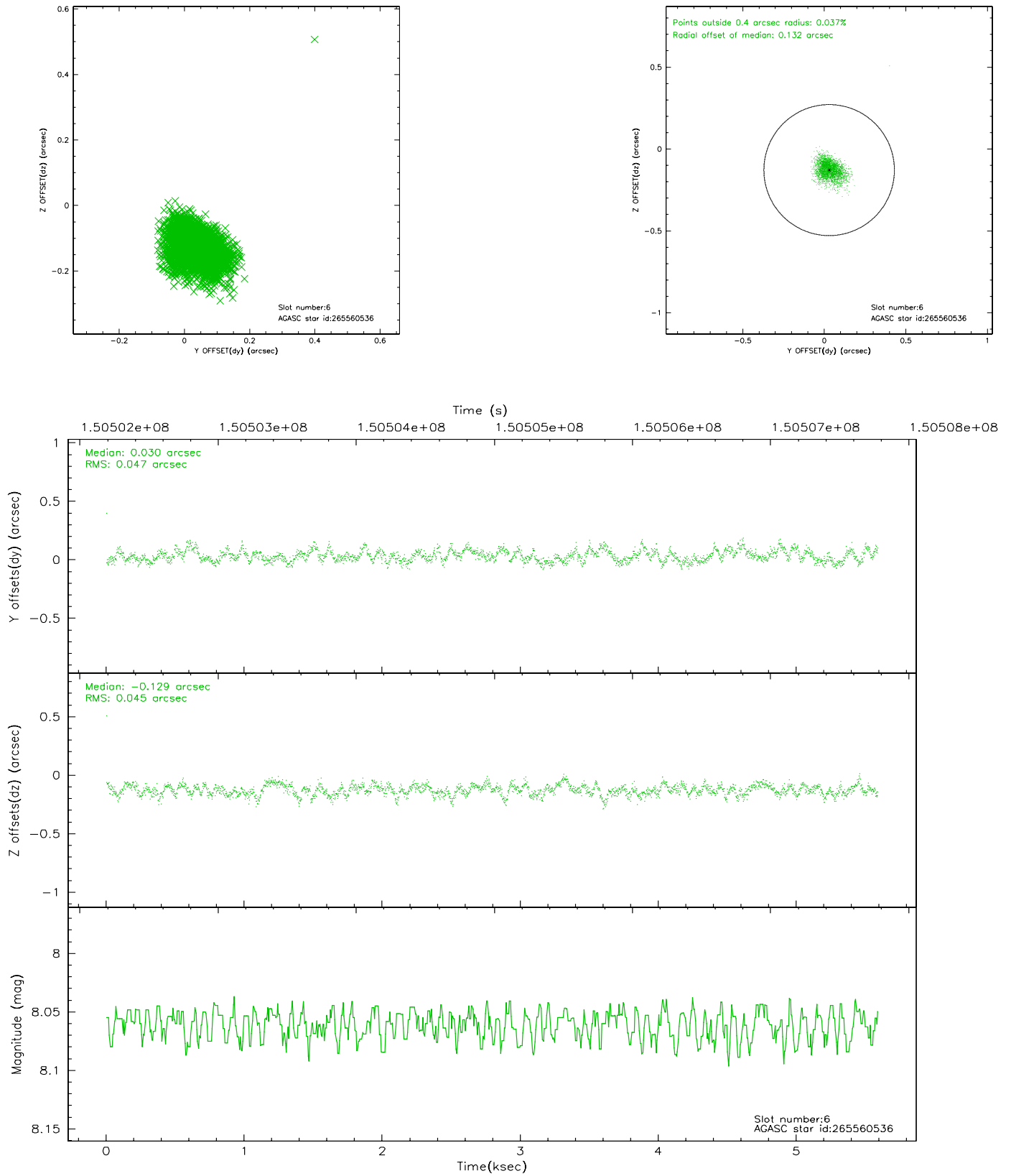
## 2.4.2 Slot 4



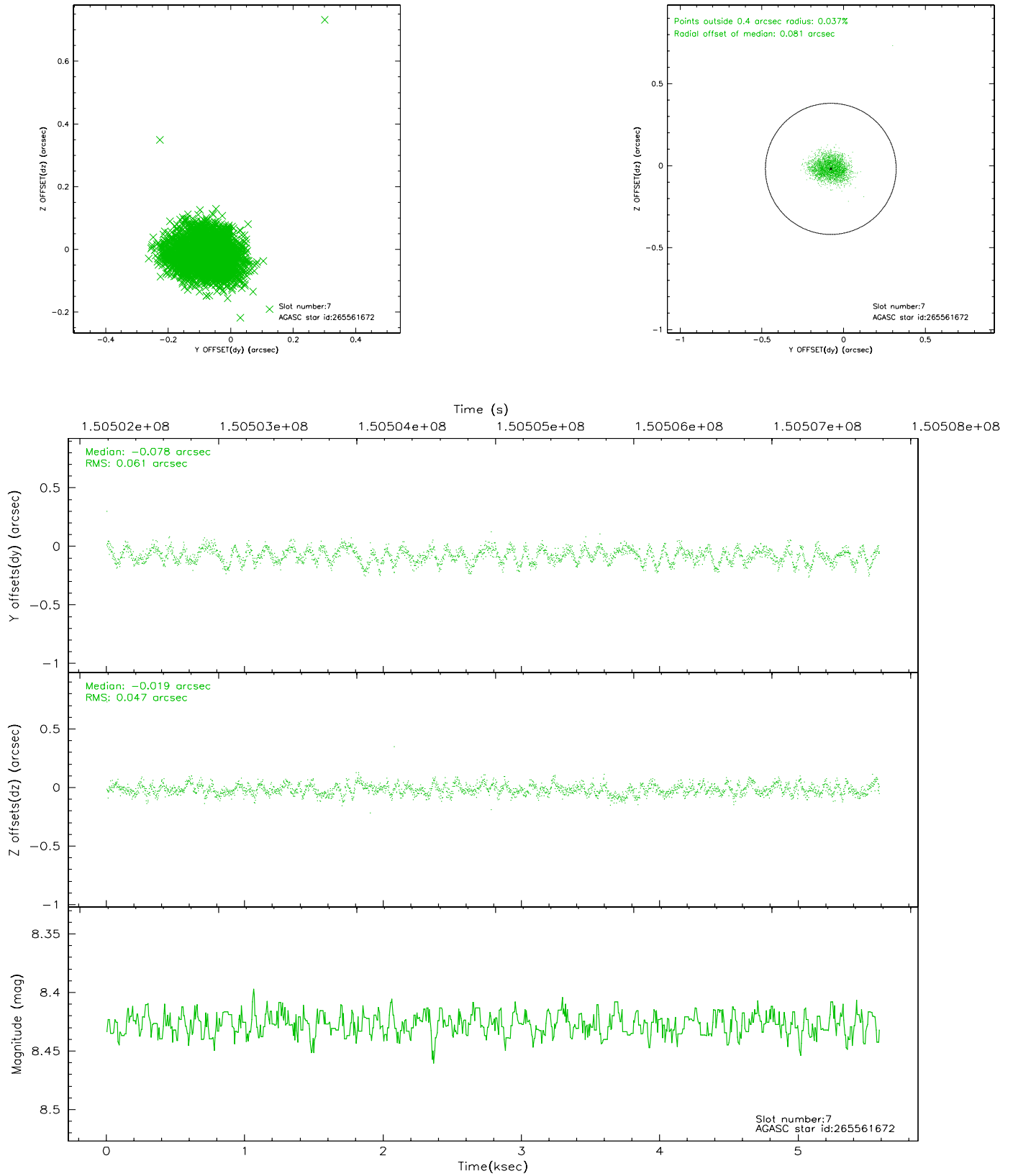
### 2.4.3 Slot 5



## 2.4.4 Slot 6

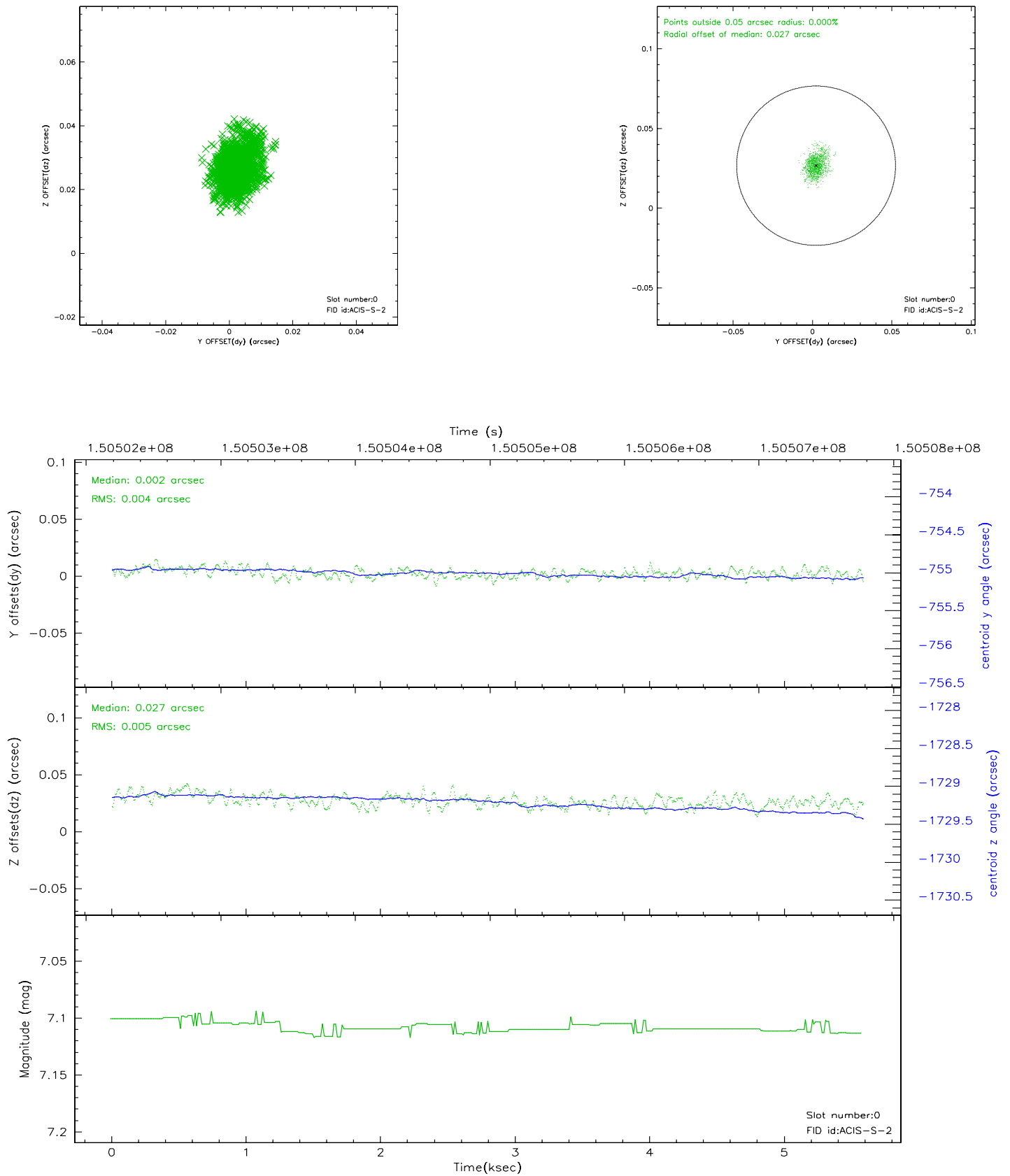


## 2.4.5 Slot 7

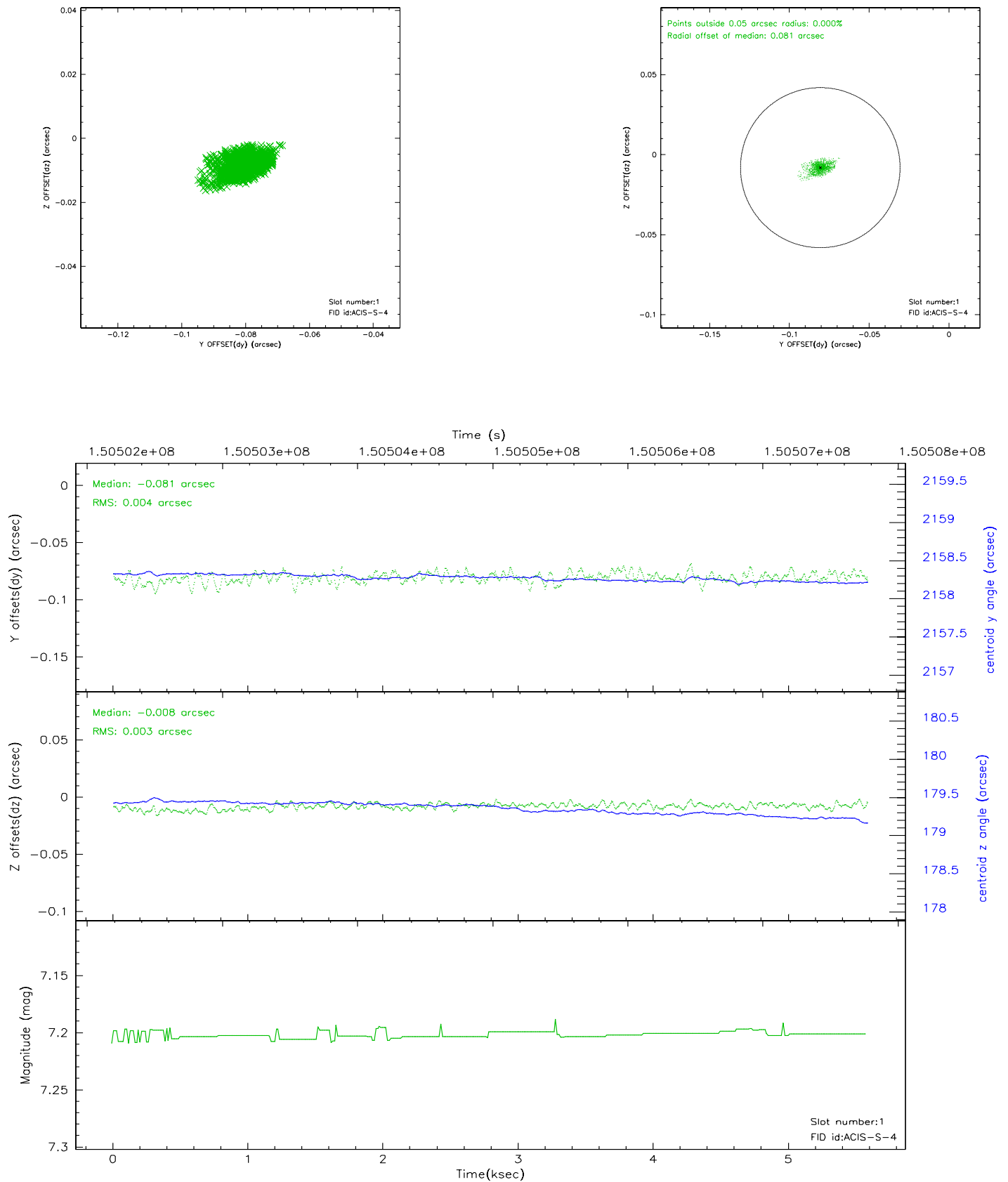


## 2.5 FID Slots

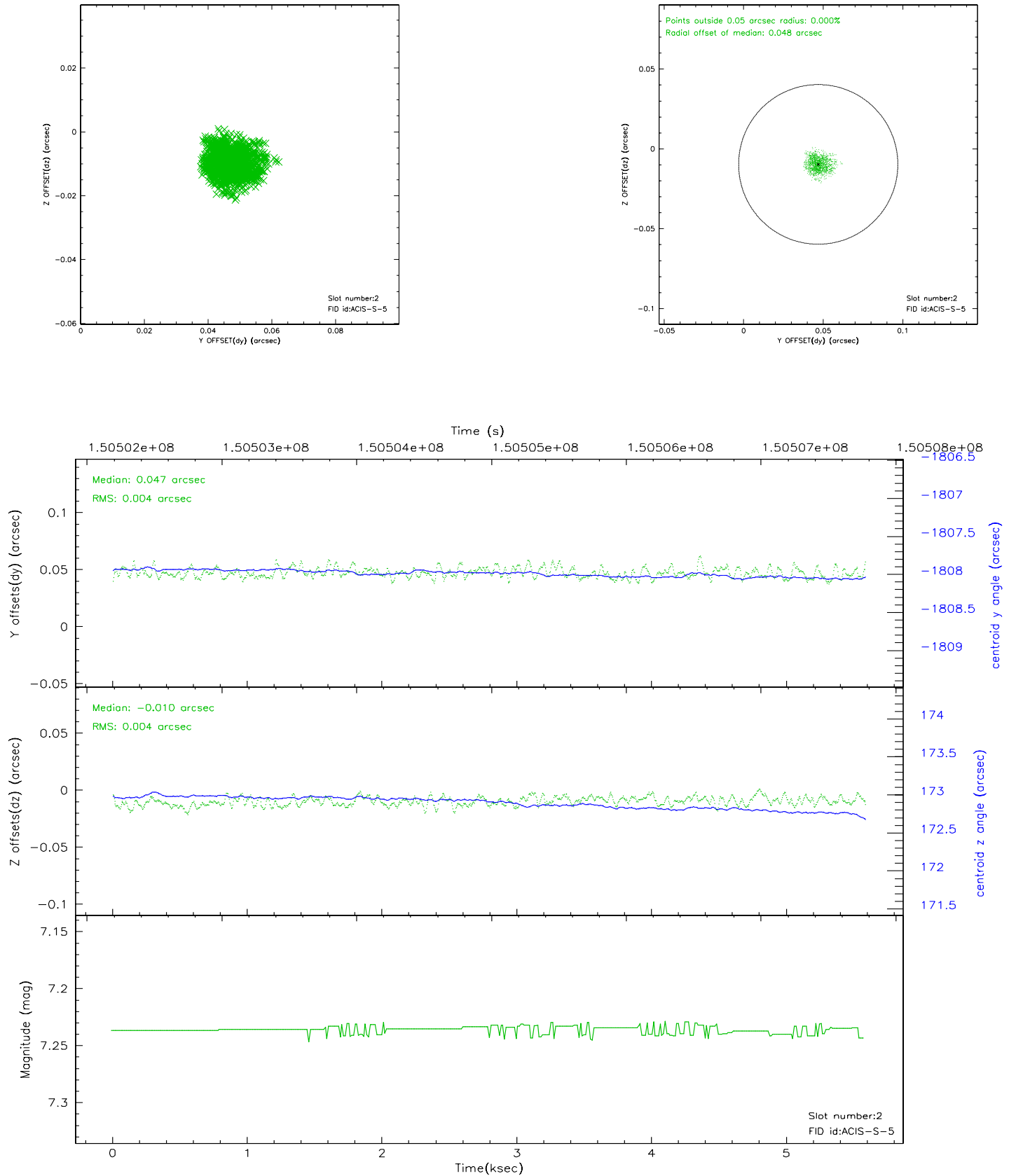
### 2.5.1 Slot 0



## 2.5.2 Slot 1

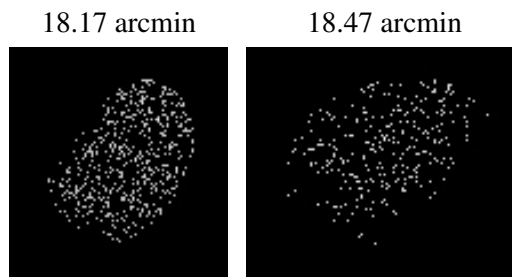


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.583

### A.2 Comments