

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4098 - L2 Version 001  
Chandra X-Ray Center

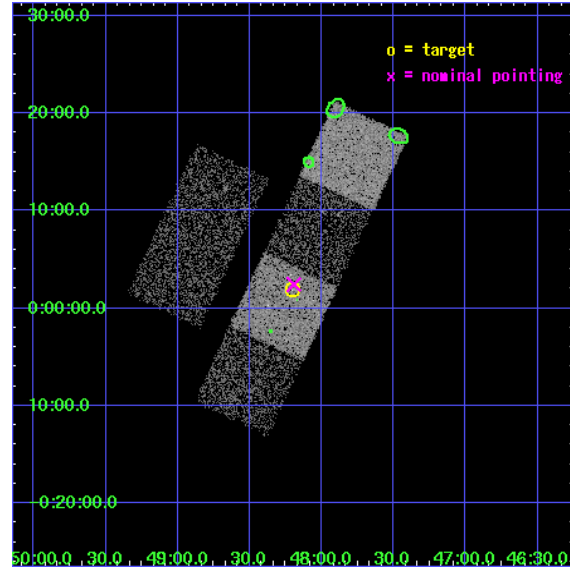
L2 Processing Date : Aug 10 2006

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# 1 Front

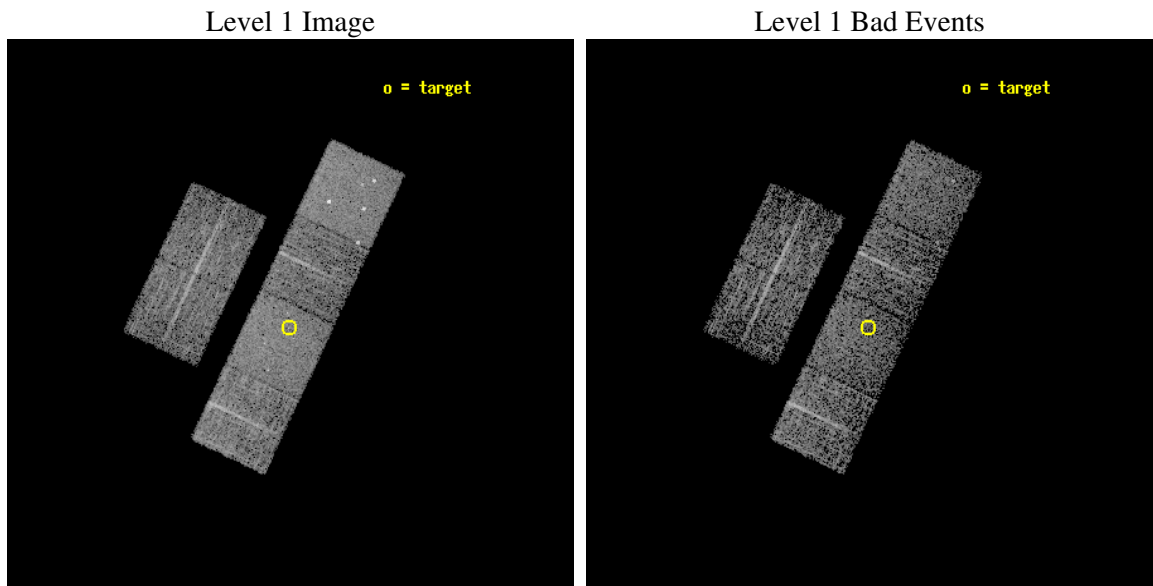
seq_num	700777
obs_id	4098
title	X-RAY CONSTRAINTS ON THE STRUCTURE OF THE BROAD EMISSION LINE REGION IN QUASARS
observer	Gordon Richards
object	SDSS J014812.23+000153.2
dtcycle	0
cycle	P
ra_targ	27.050833
dec_targ	0.031444
ra_nom	27.048340749127
dec_nom	0.040637607524833
roll_nom	115.35176841383
revision	2
ontime	3753.5999860168
livetime	3706.0696428472
ontime2	3753.5999860168
ontime3	3753.5999860168
ontime5	3753.5999860168
ontime6	3753.5999860168
ontime7	3753.5999860168
ontime8	3753.5999860168
l2events	32115



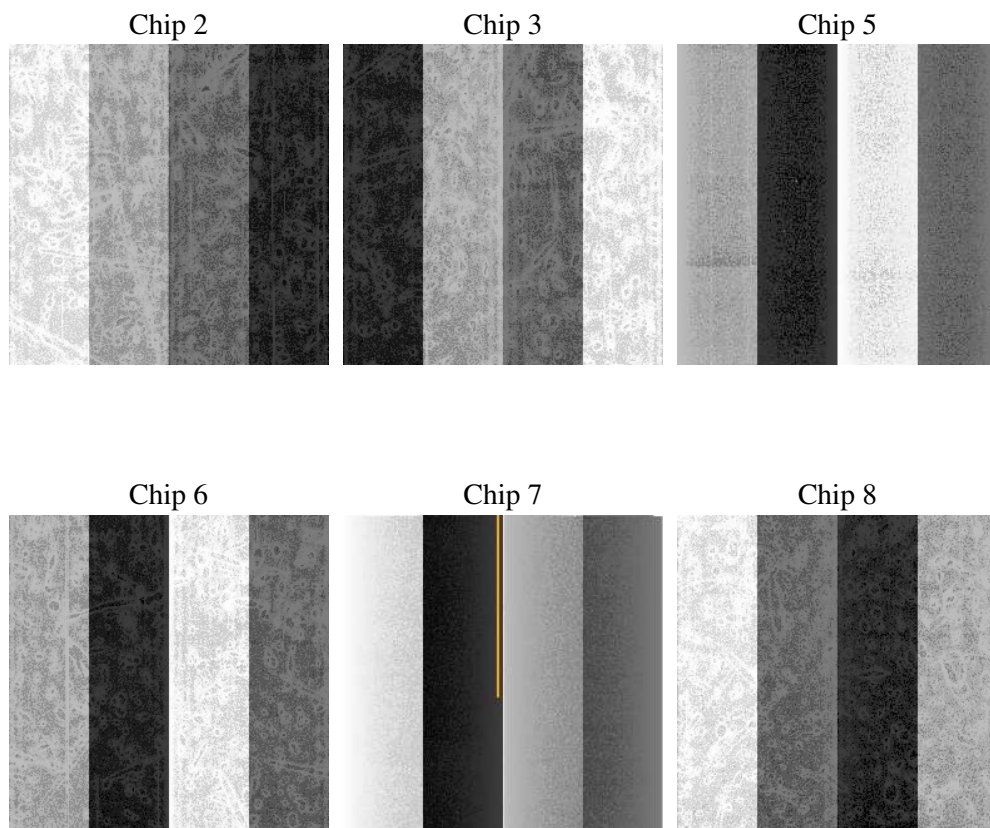
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-10T03:35:57
revision	2

sched_exp_time	3787.895000
ontime	3756.3180198371
ontime2	3756.3180198371
ontime3	3756.3180198371
ontime5	3756.3180198371
ontime6	3756.3180198371
ontime7	3756.3180198371
ontime8	3756.3180198371
l1events	148935

### 2.1.4 Events

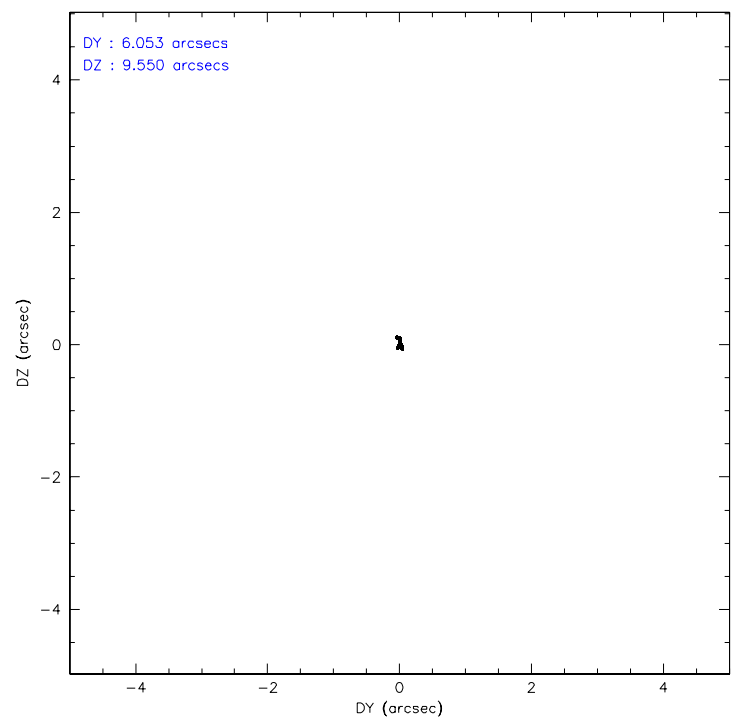
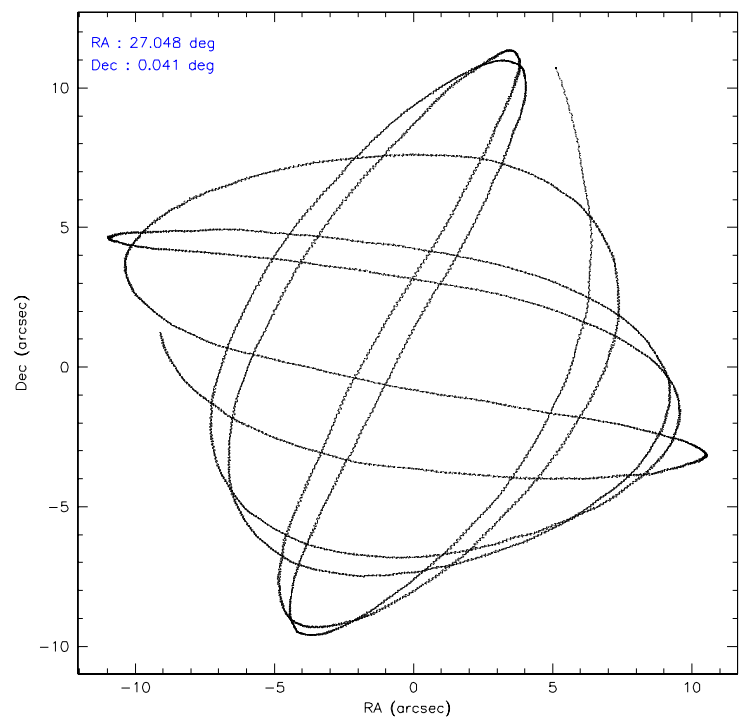
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20903	19927	32067	20528	28132	27378
rejected events	18329	17565	17305	17934	17122	21703
rejected %	87%	88%	53%	87%	60%	79%

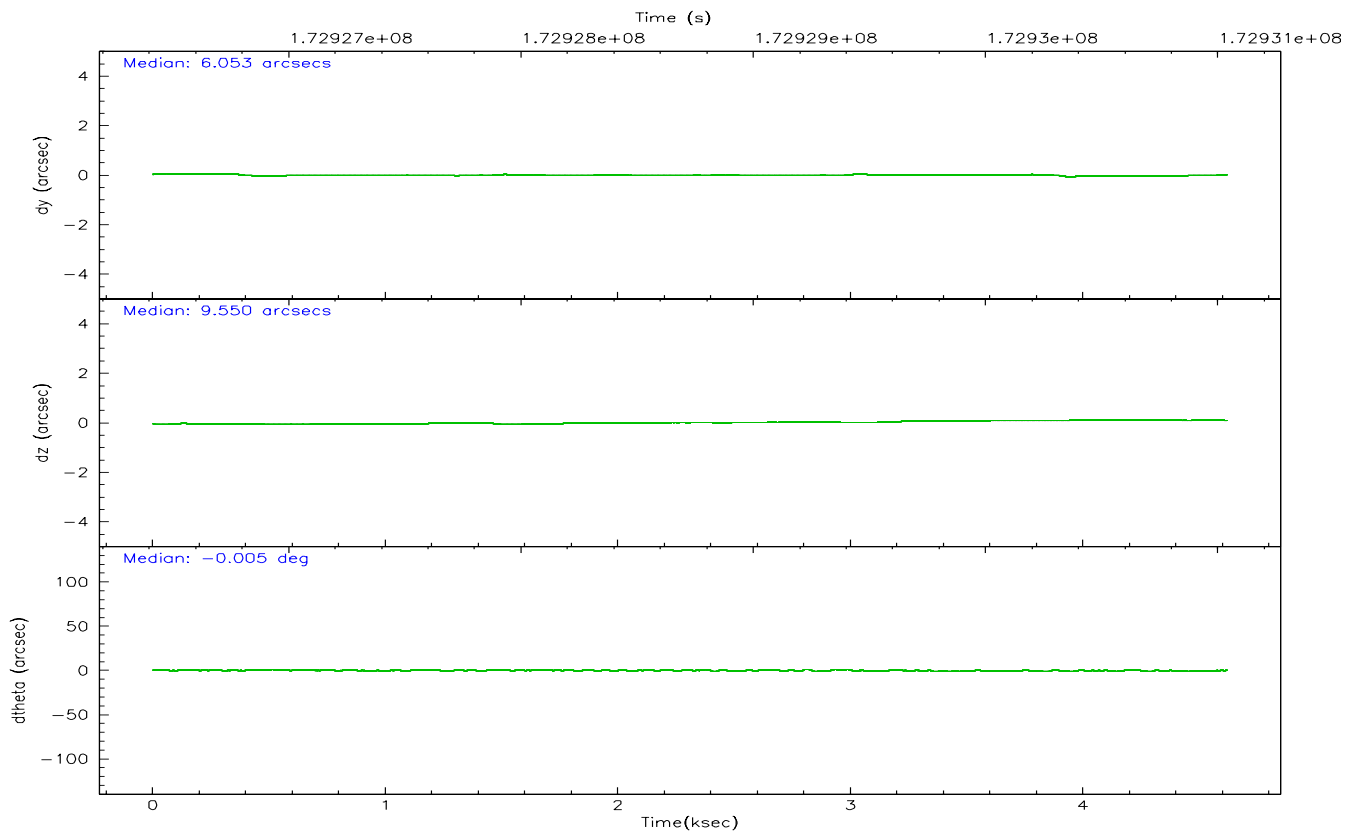
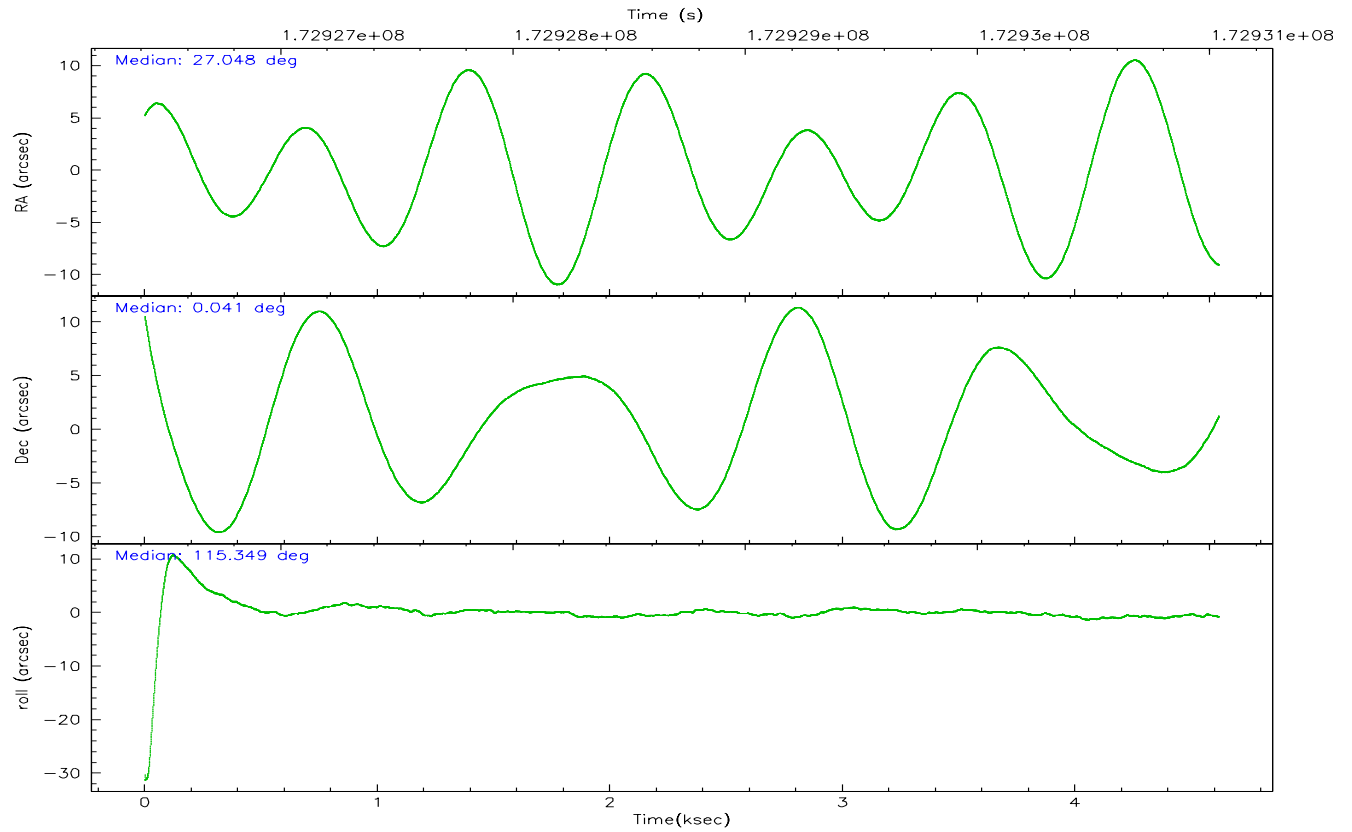
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1113	1043	2219	1056	735	1612
	5%	5%	6%	5%	2%	5%
grade 1 events	11	5	58	13	17	12
	0%	0%	0%	0%	0%	0%
grade 2 events	542	442	4330	524	2712	1287
	2%	2%	13%	2%	9%	4%
grade 3 events	256	246	367	263	590	614
	1%	1%	1%	1%	2%	2%
grade 4 events	229	236	324	259	593	594
	1%	1%	1%	1%	2%	2%
grade 5 events	826	962	1562	1037	1936	1193
	3%	4%	4%	5%	6%	4%
grade 6 events	437	398	7531	494	6391	1571
	2%	1%	23%	2%	22%	5%
grade 7 events	17489	16595	15676	16882	15158	20495
	83%	83%	48%	82%	53%	74%

## 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	27.070896	27.04834074912674	Alternating exposures requested	N	N
Pointing Dec	0.025591	0.04063760752483311	Primary exposure time	0.000000	3.2
Pointing Roll	115.195257	115.3517684138339			
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	172927250.184000	172925963.71901			
Observation start date	2003-06-25T11:19:46	2003-06-25T10:59:23			
Observation end time	172931038.184000	172931352.14424			
Observation end date	2003-06-25T12:22:54	2003-06-25T12:29:12			
Read mode	TIMED	TIMED			

2.3 Aspect





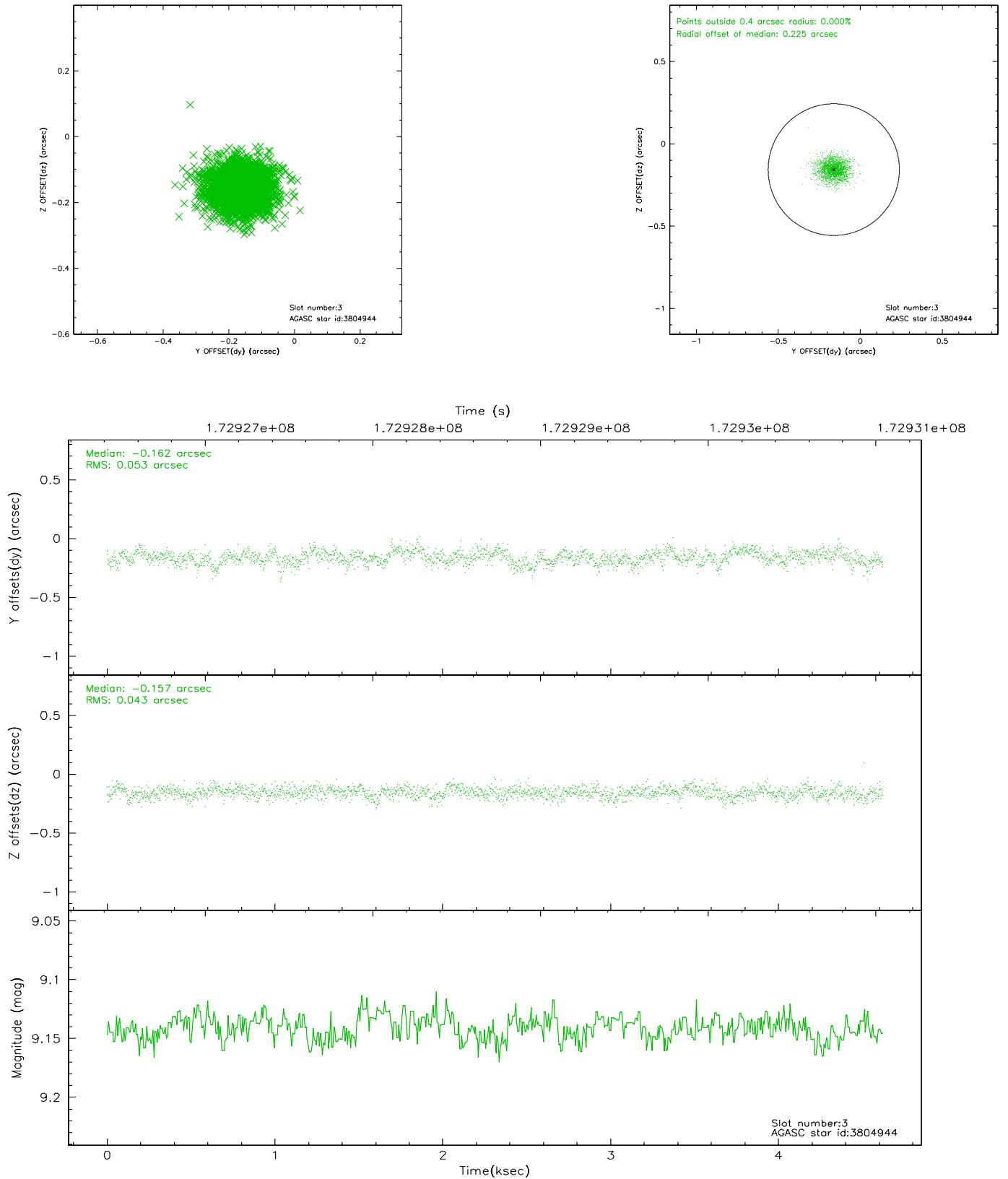
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1127	-0.038	0.010	0.007	0.011	0.000000	0.000000	-758.80	-1730.80
1	FID	ACIS-S-4	7.20	1127	0.007	0.016	0.005	0.008	0.000000	0.000000	2153.90	176.34
2	FID	ACIS-S-5	7.23	1127	-0.000	-0.017	0.006	0.010	0.000000	0.000000	-1809.91	171.46
3	GUIDE	3804944	9.14	2254	-0.162	-0.157	0.072	0.120	26.479606	0.233641	1584.29	1607.38
4	GUIDE	3808216	7.90	2255	-0.093	0.117	0.066	0.105	27.071052	0.452147	1390.56	-653.21
5	GUIDE	3809008	8.92	2254	-0.062	-0.104	0.067	0.107	26.677080	0.194836	1155.81	1023.11
6	GUIDE	614204992	8.47	2255	0.188	0.218	0.067	0.108	27.733117	-0.287861	-2034.52	-1676.19
7	GUIDE	614213736	9.17	2254	0.133	-0.079	0.081	0.133	27.170208	-0.361551	-1413.47	269.08

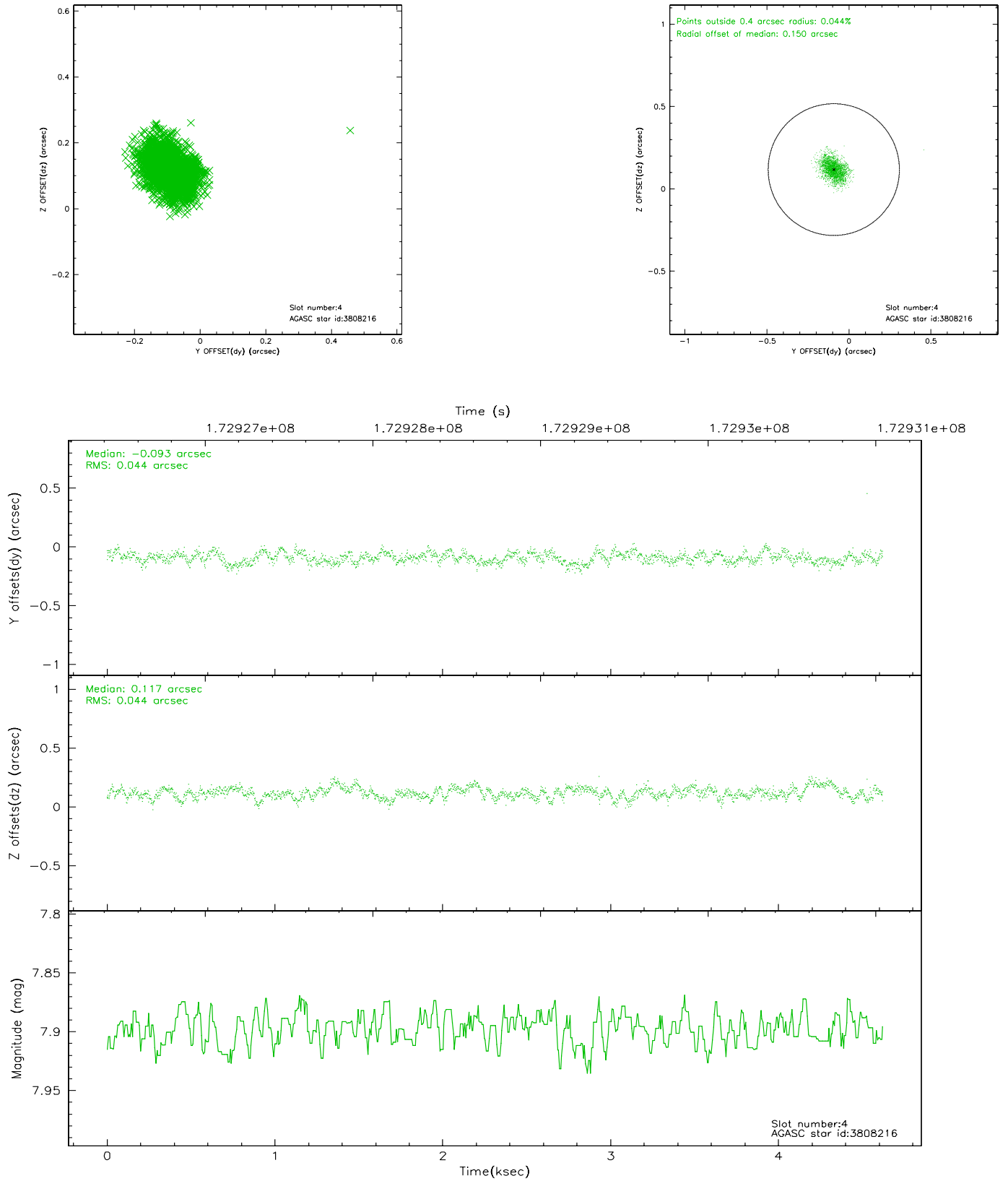


## 2.4 Star Slots

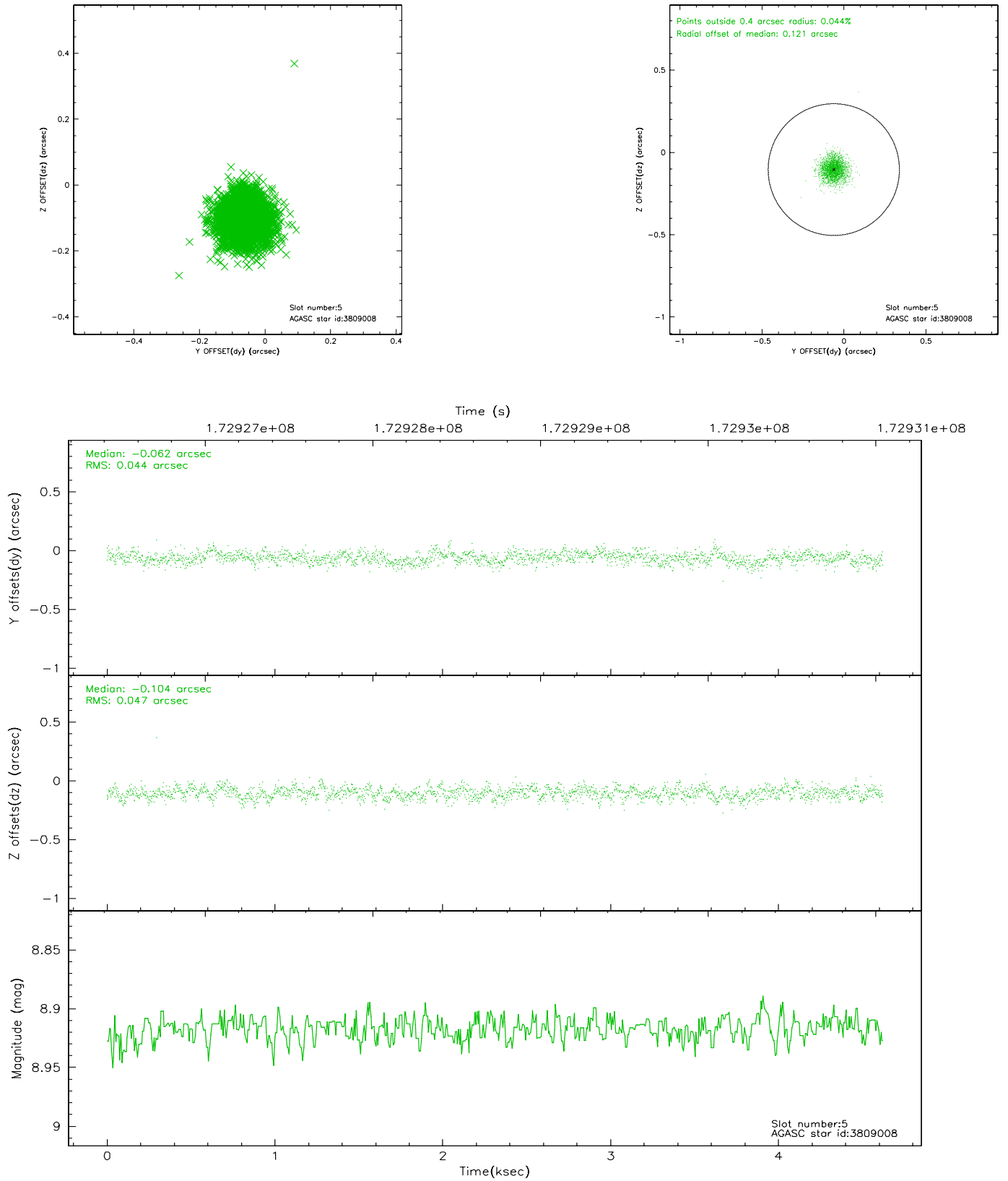
### 2.4.1 Slot 3



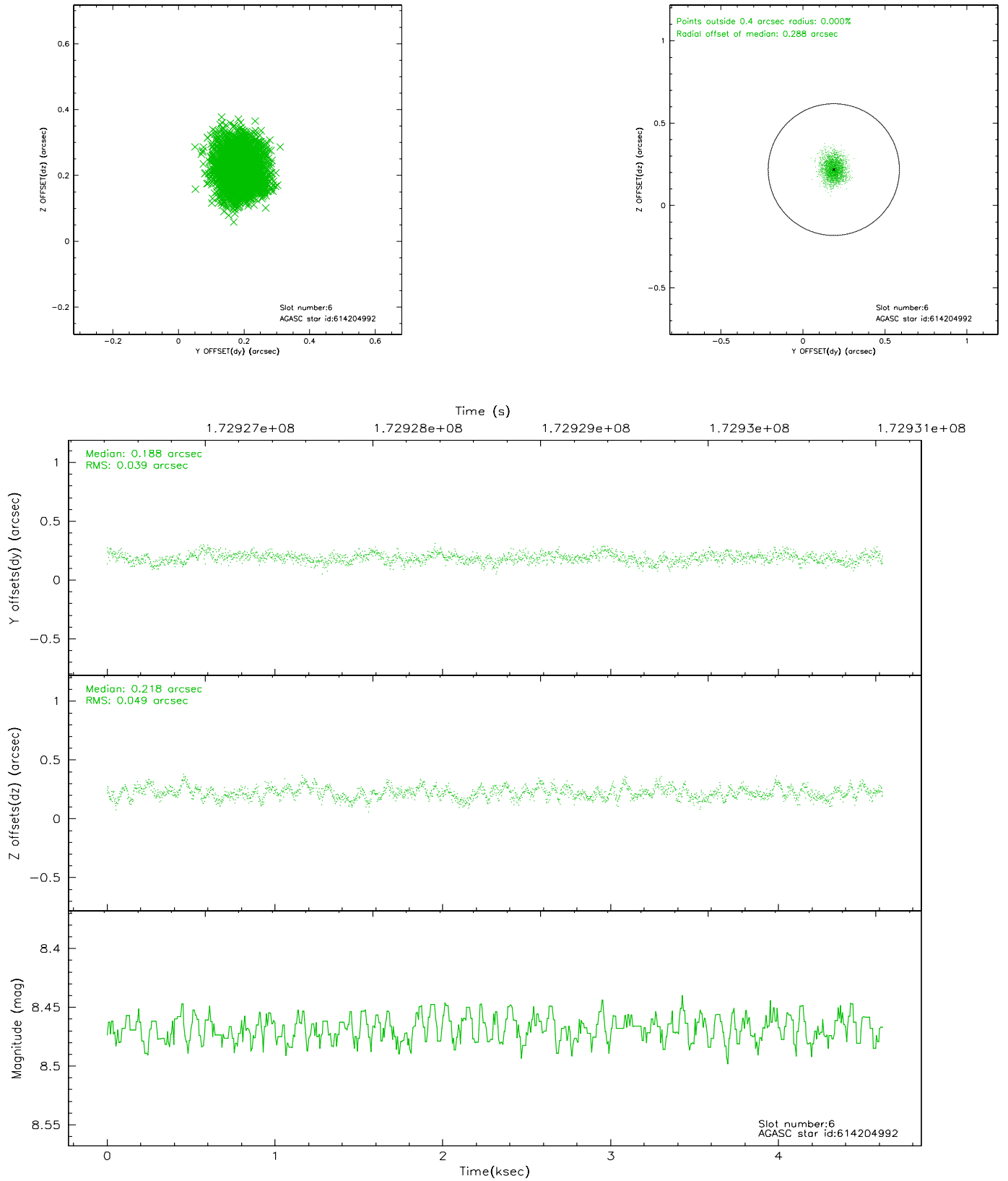
## 2.4.2 Slot 4



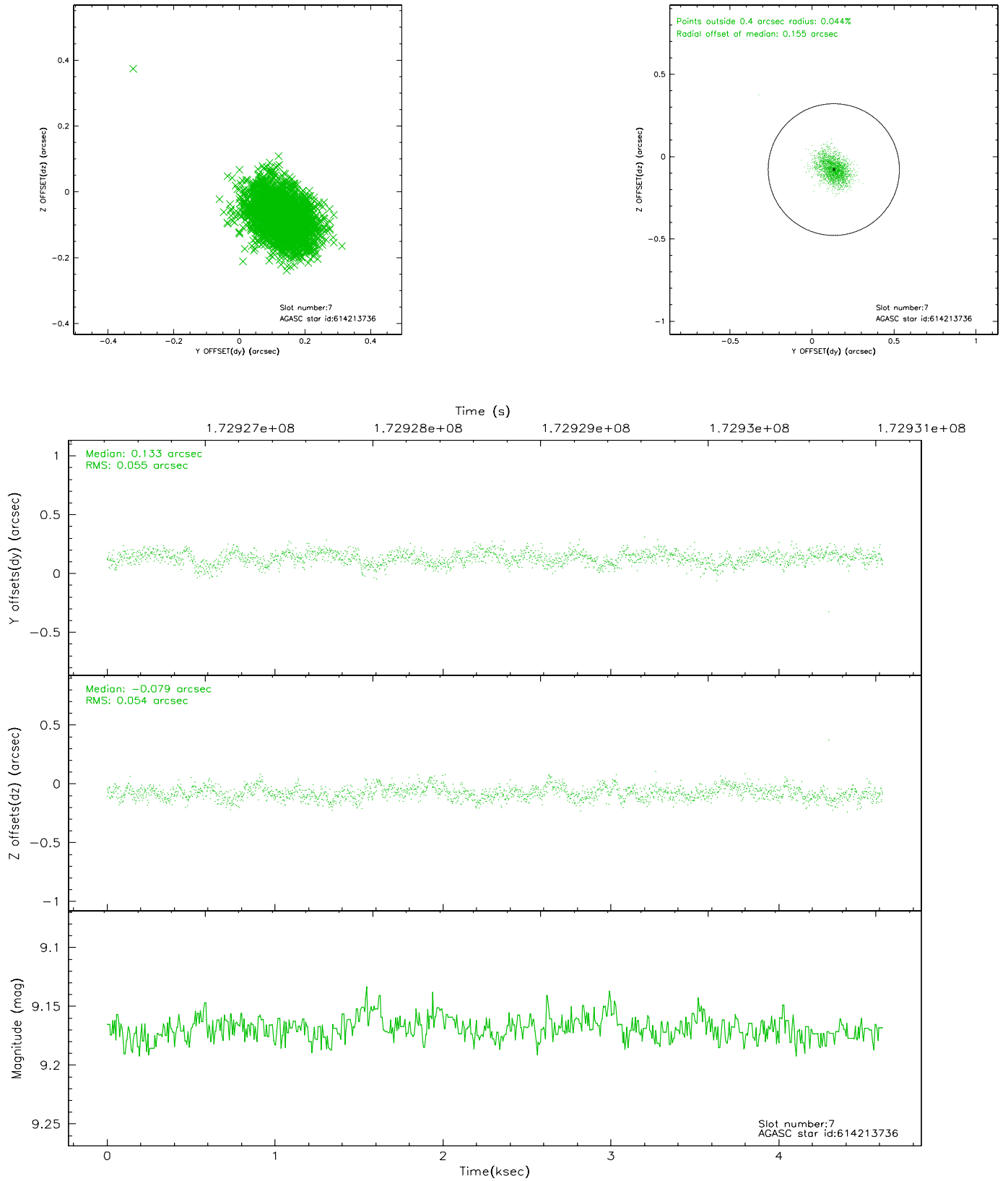
### 2.4.3 Slot 5



## 2.4.4 Slot 6

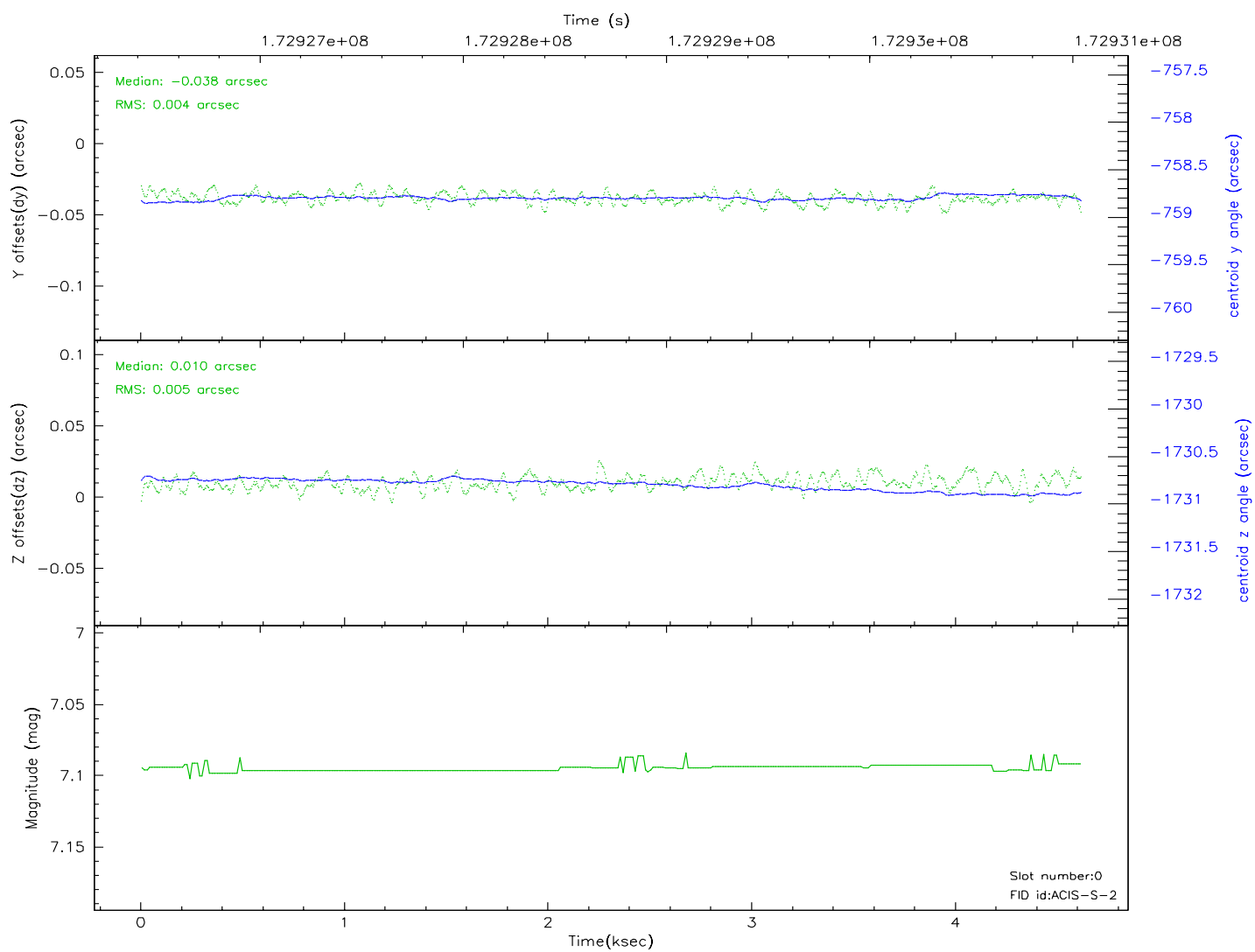
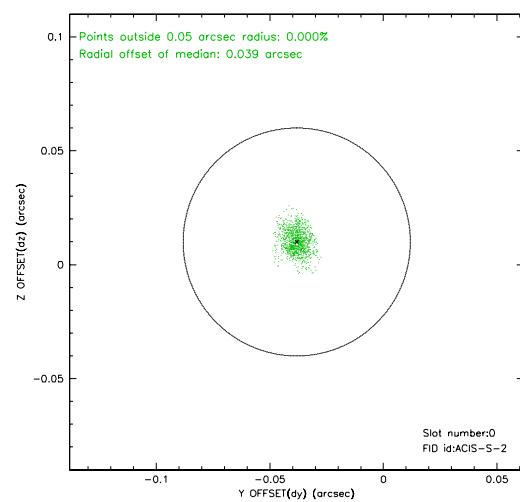
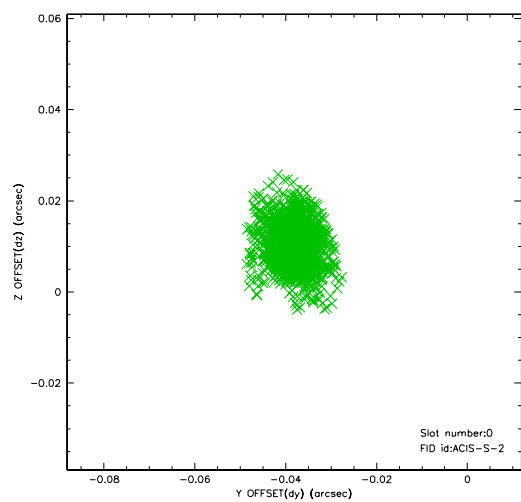


## 2.4.5 Slot 7

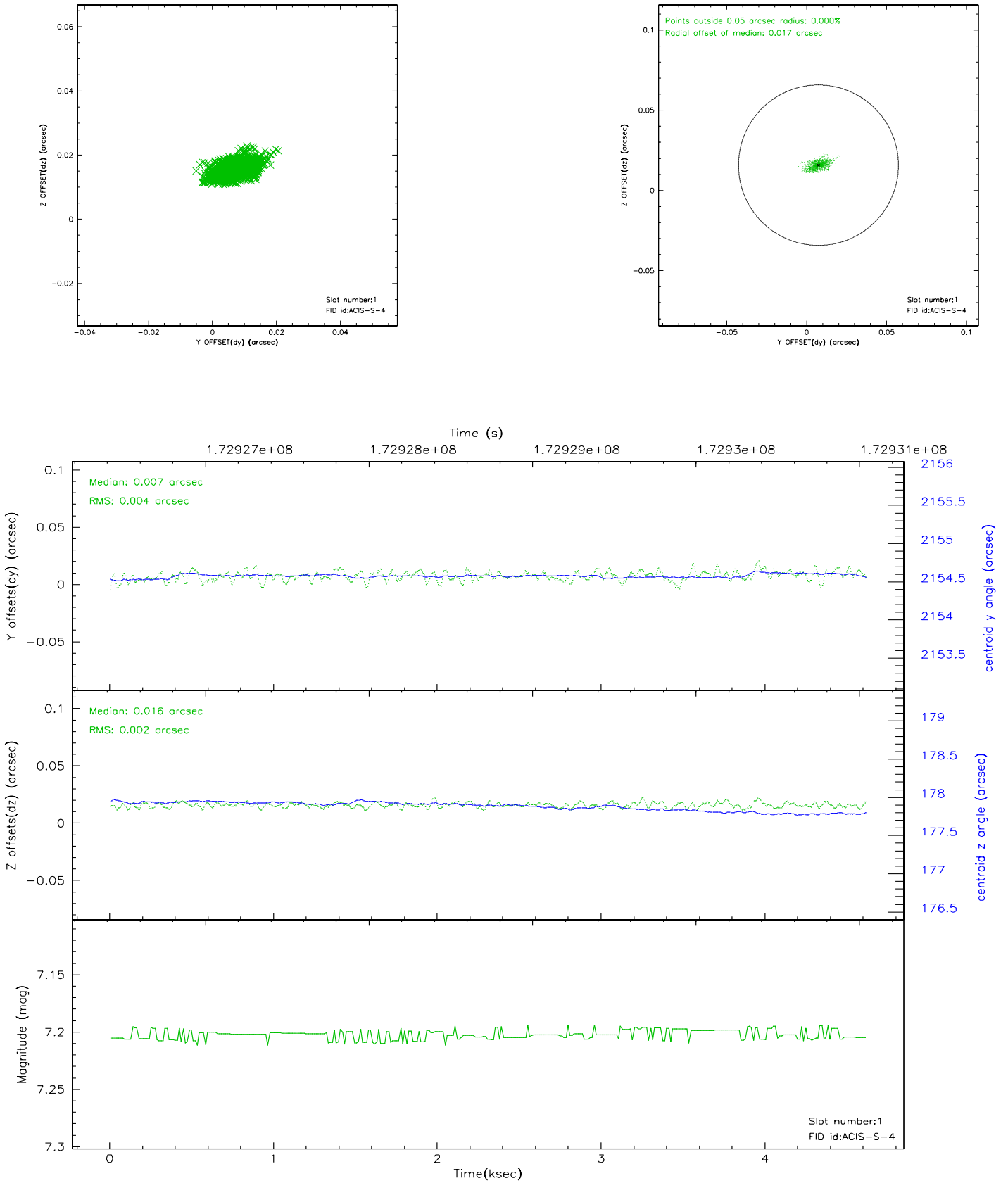


## 2.5 FID Slots

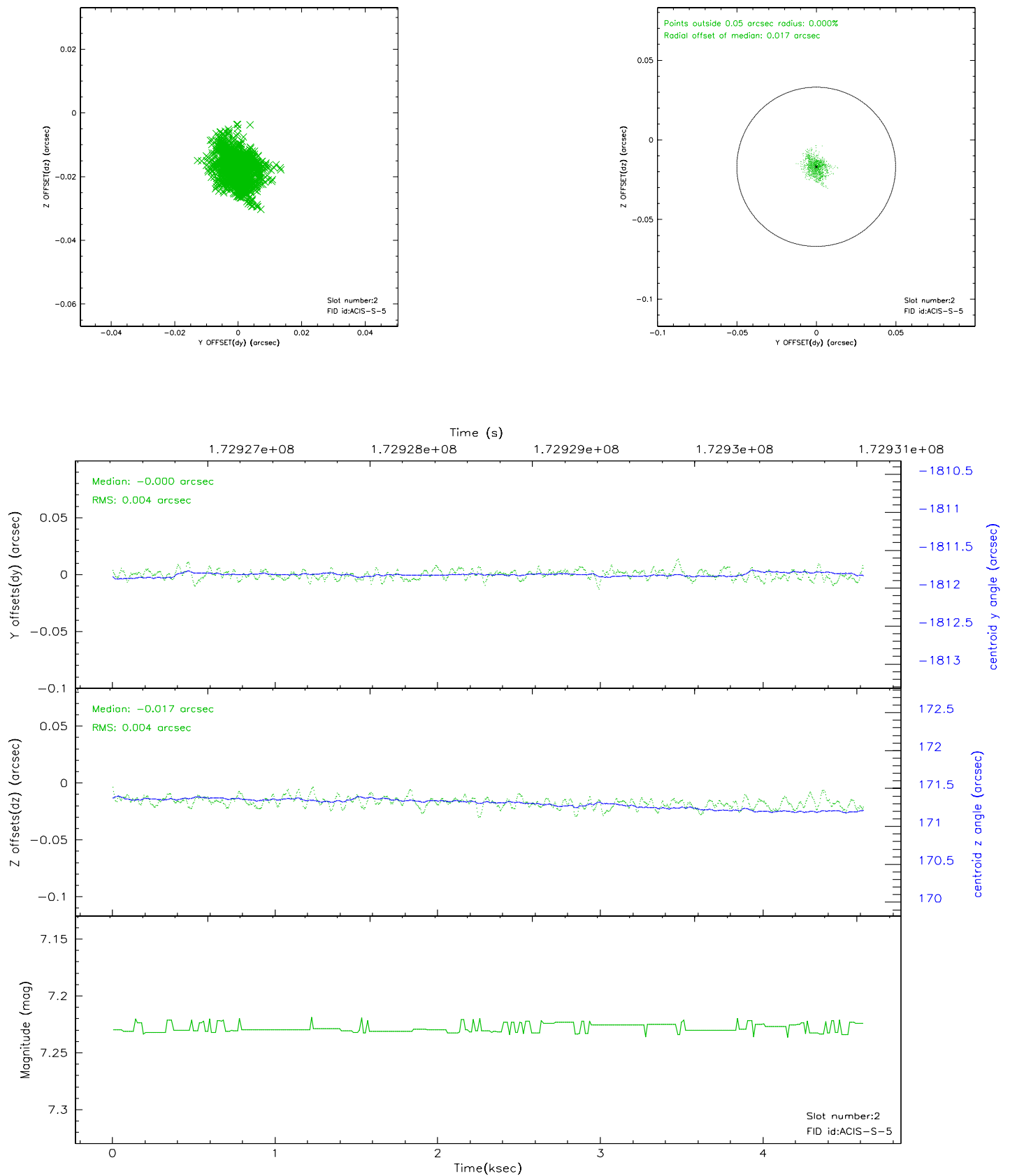
### 2.5.1 Slot 0



## 2.5.2 Slot 1

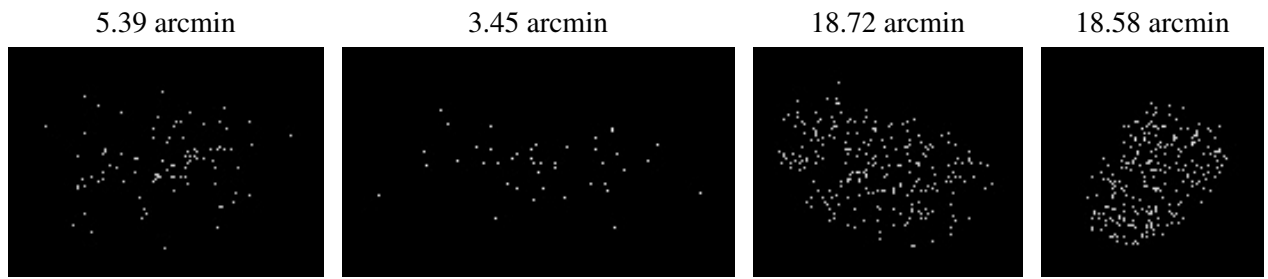


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.753

### A.2 Comments