

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4124 - L2 Version 001  
Chandra X-Ray Center

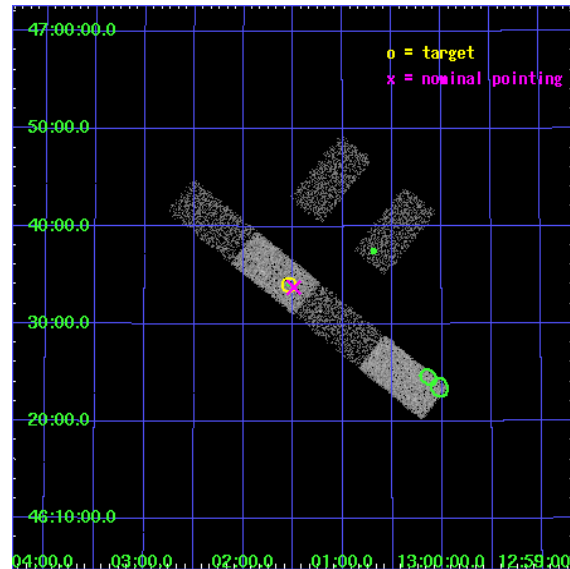
L2 Processing Date : Aug 12 2006

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# 1 Front

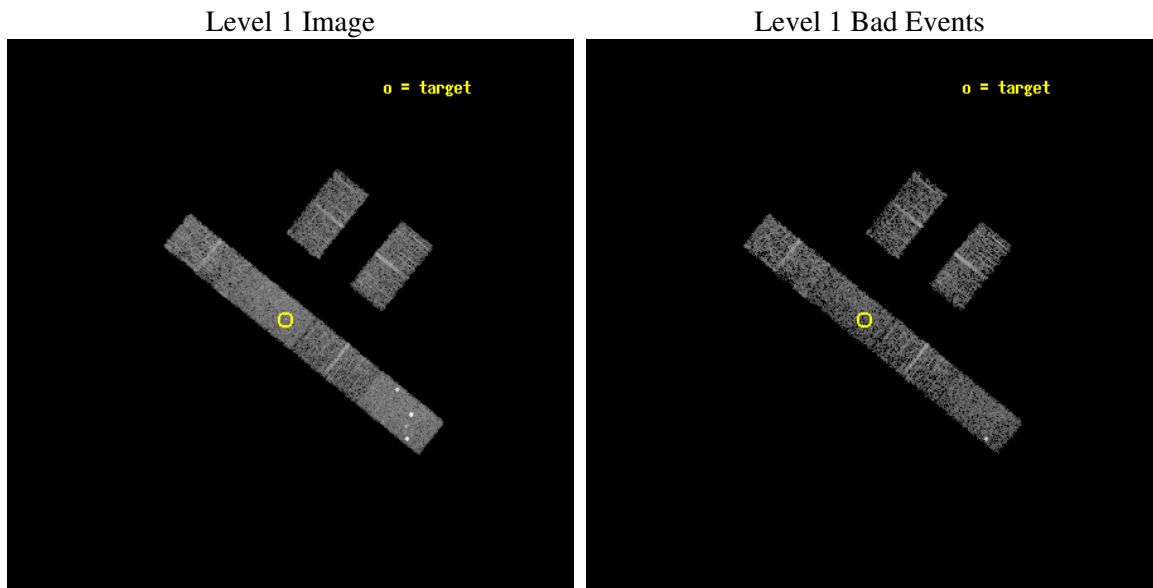
seq_num	700803
obs_id	4124
title	WHAT KIND OF JETS DOES NATURE MAKE? X-RAY CHARACTERIZATION OF THE FIRST FLAT SPECTRUM SAMPLE
observer	Dr. Giovanni Fossati
object	TXS 1259+468
dtcycle	0
cycle	P
ra_targ	195.385833
dec_targ	46.5675
ra_nom	195.37336254
dec_nom	46.562856739533
roll_nom	218.86920818783
revision	2
ontime	3834.0000253916
livetime	3748.5334624478
ontime2	3834.0000253916
ontime3	3834.0000253916
ontime5	3834.0000253916
ontime6	3834.0000253916
ontime7	3834.0000253916
ontime8	3834.0000253916
l2events	19106



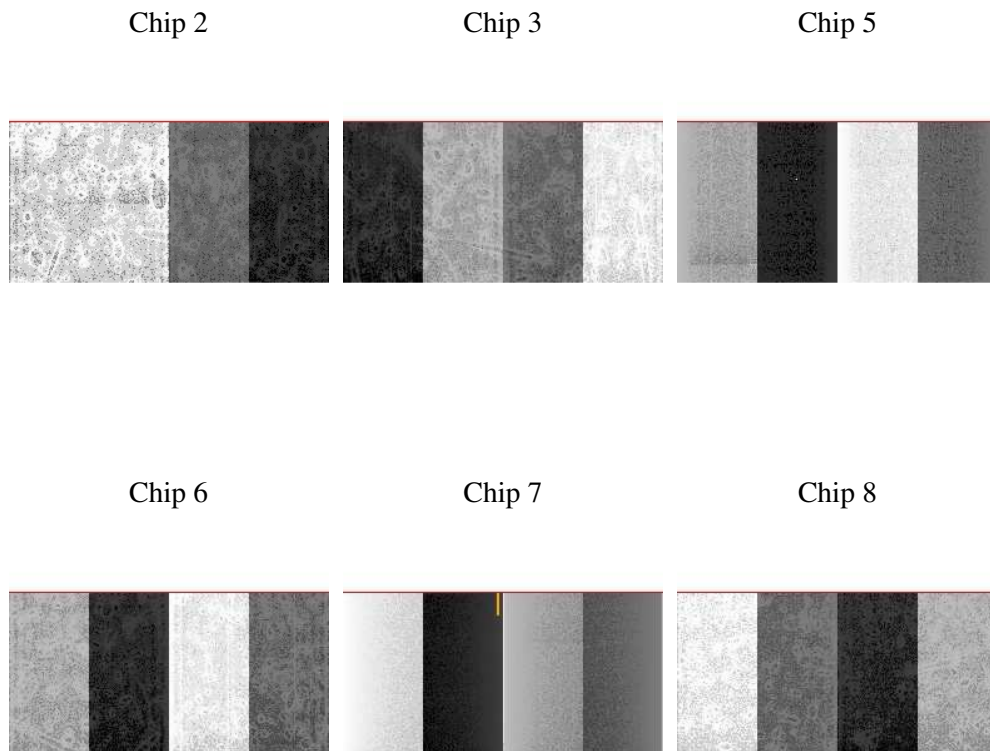
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-12T04:08:52
revision	2

sched_exp_time	3432.000000
ontime	3836.6866027117
ontime2	3836.6866027117
ontime3	3838.5276128054
ontime5	3838.5276128054
ontime6	3838.5276128054
ontime7	3836.6866027117
ontime8	3838.5276128054
l1events	94655

### 2.1.4 Events

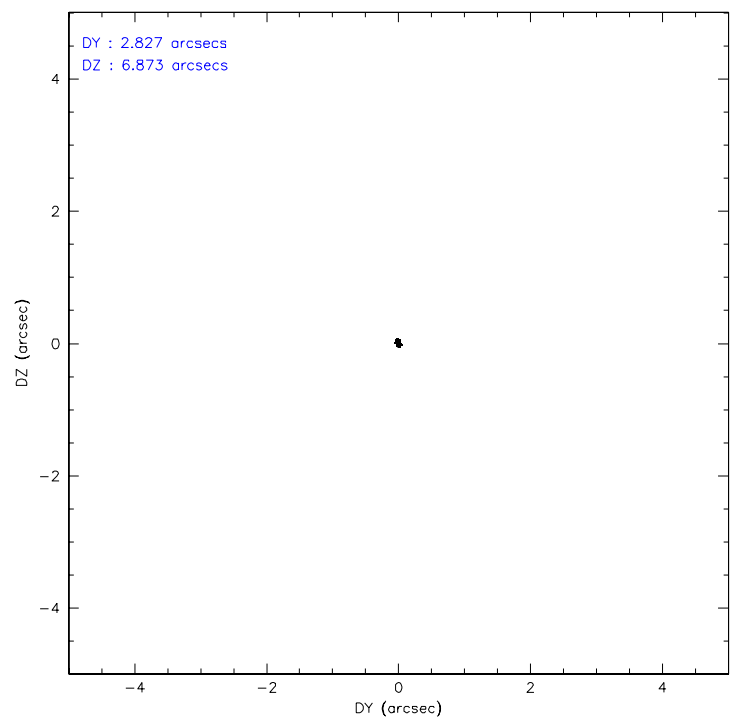
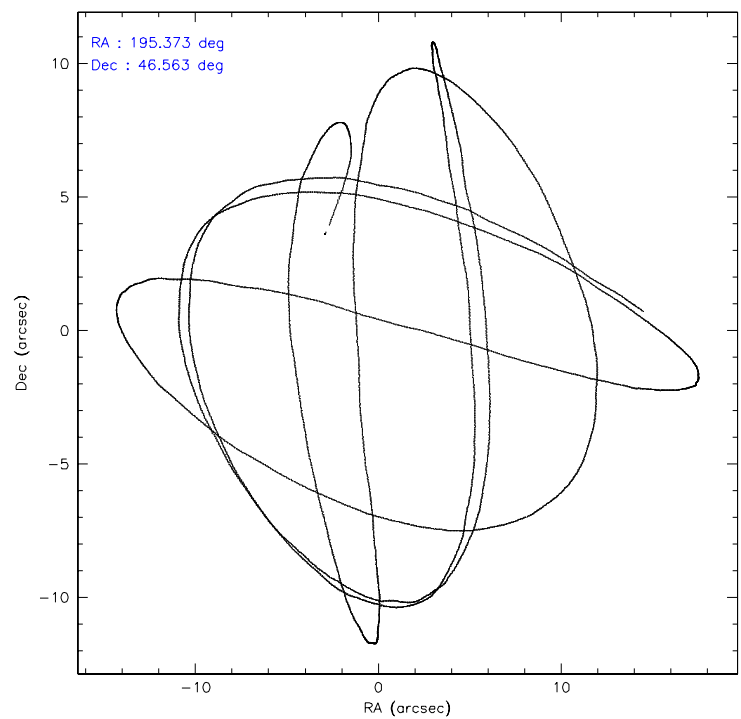
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13915	12105	22372	13081	16658	16524
rejected events	12339	10657	10664	11472	10086	13117
rejected %	88%	88%	47%	87%	60%	79%

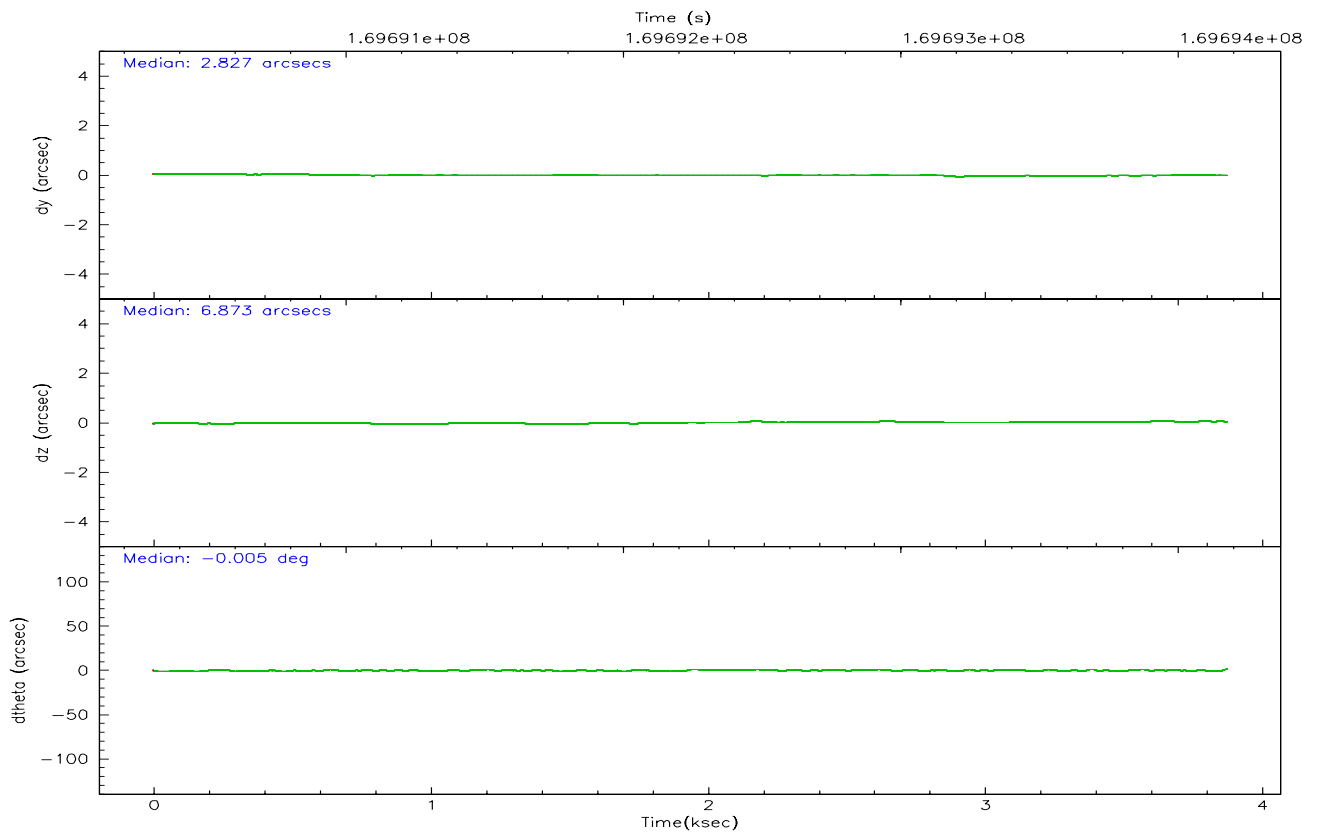
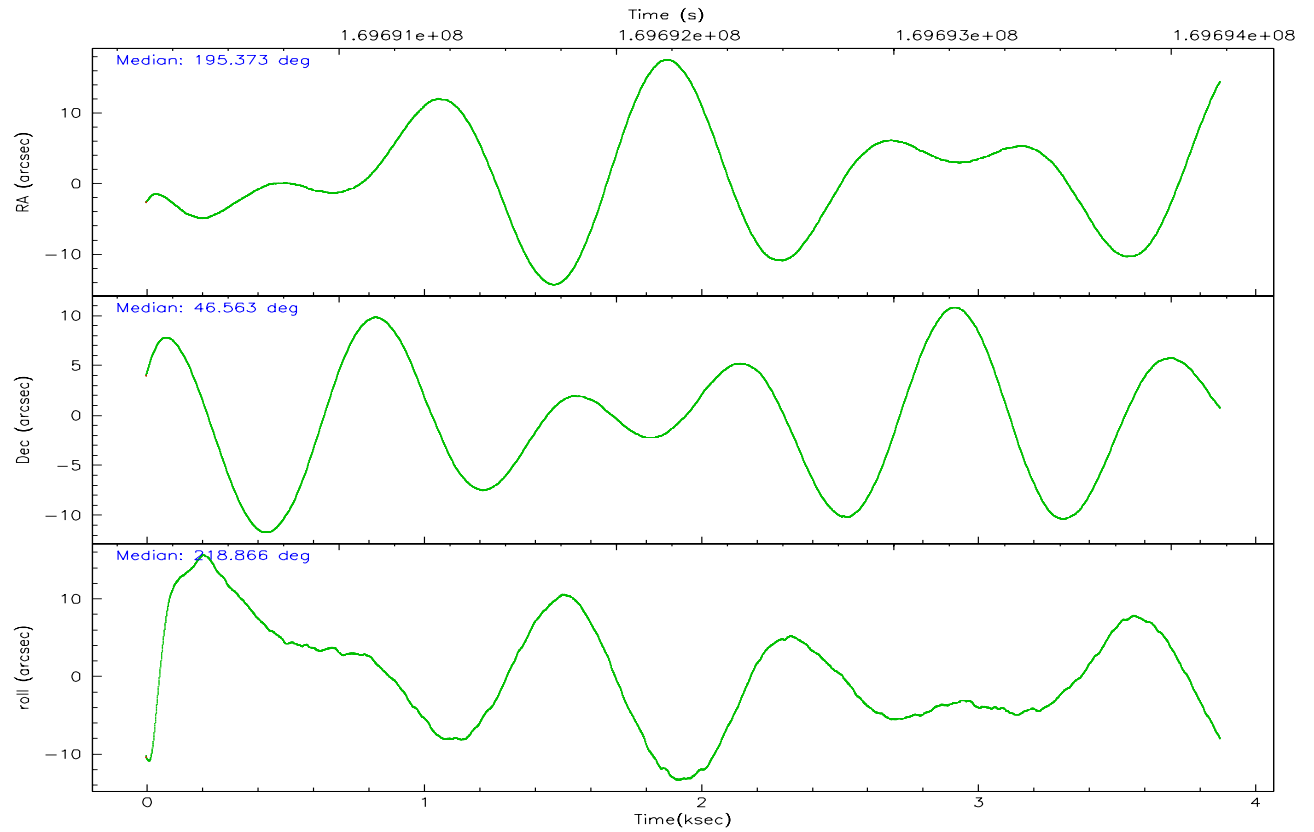
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	746	598	3743	631	461	989
	5%	4%	16%	4%	2%	5%
grade 1 events	6	5	21	2	15	5
	0%	0%	0%	0%	0%	0%
grade 2 events	289	263	3062	303	1619	725
	2%	2%	13%	2%	9%	4%
grade 3 events	164	179	302	180	433	390
	1%	1%	1%	1%	2%	2%
grade 4 events	175	166	195	197	396	346
	1%	1%	0%	1%	2%	2%
grade 5 events	521	543	1014	562	1153	648
	3%	4%	4%	4%	6%	3%
grade 6 events	202	242	4426	299	3672	961
	1%	1%	19%	2%	22%	5%
grade 7 events	11812	10109	9609	10907	8909	12460
	84%	83%	42%	83%	53%	75%

## 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	1/2	1/2
Pointing RA	195.387286	195.3733625400024	Subarray start row	0	257
Pointing Dec	46.588375	46.56285673953283	Subarray row count	1024	512
Pointing Roll	218.702543	218.8692081878314	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.8
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	169690745.184000	169689656.25664			
Observation start date	2003-05-19T00:18:01	2003-05-19T00:00:56			
Observation end time	169694177.184000	169694680.80686			
Observation end date	2003-05-19T01:15:13	2003-05-19T01:24:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect





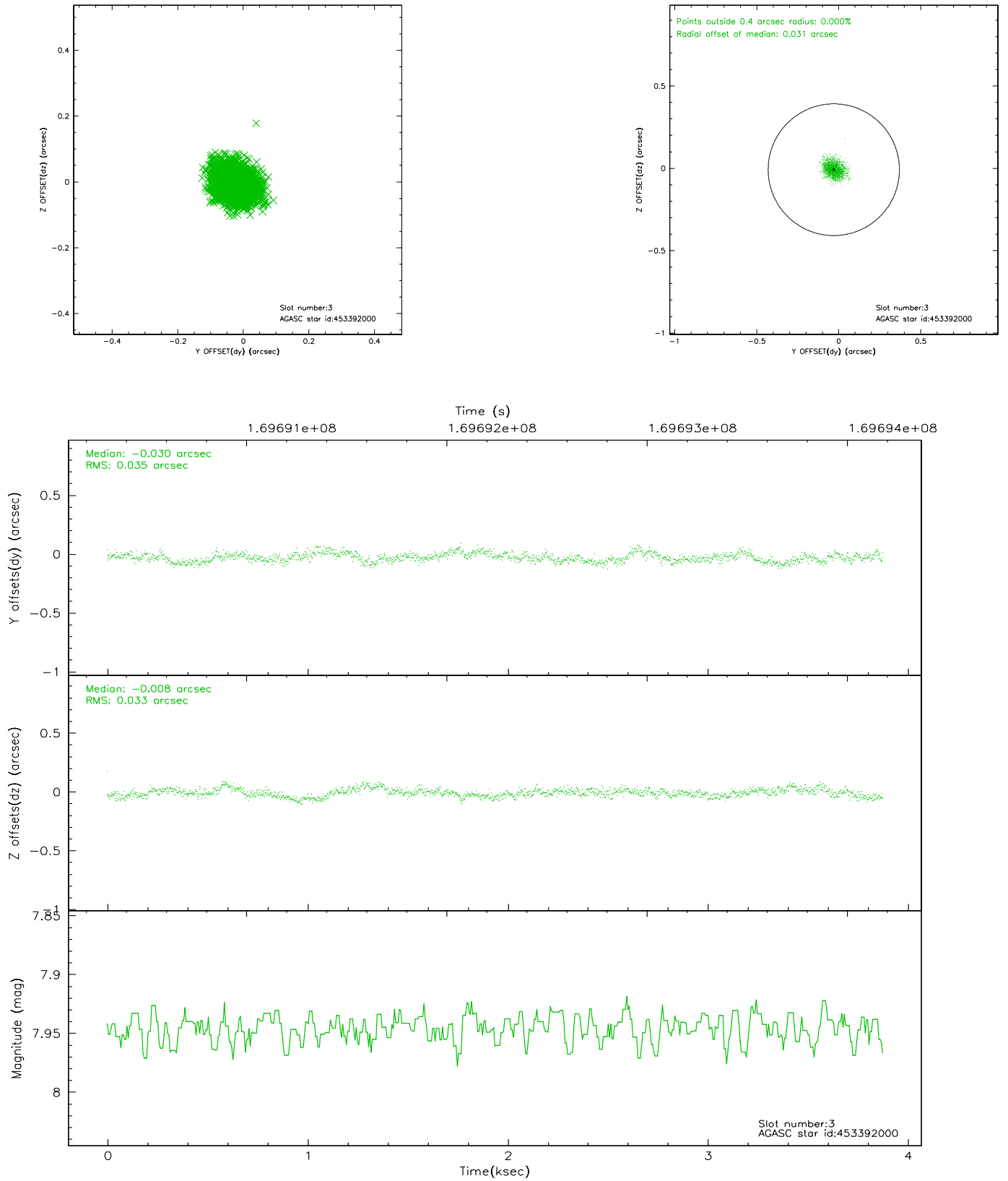
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	946	-0.028	0.010	0.007	0.012	0.000000	0.000000	-755.47	-1727.99
1	FID	ACIS-S-4	7.20	946	-0.012	0.011	0.005	0.009	0.000000	0.000000	2157.07	178.86
2	FID	ACIS-S-5	7.24	946	0.008	-0.011	0.007	0.010	0.000000	0.000000	-1806.22	174.31
3	GUIDE	453392000	7.95	1892	-0.030	-0.008	0.052	0.084	195.230239	45.949075	1745.44	1550.50
4	GUIDE	453392944	8.53	1892	-0.104	0.137	0.083	0.137	196.043621	46.459257	-983.05	1376.19
5	GUIDE	453393848	9.97	1890	-0.063	-0.126	0.176	0.287	194.911451	47.103033	-251.26	-2176.78
6	GUIDE	453394192	9.28	1891	0.127	-0.003	0.069	0.110	194.905663	46.455522	1228.89	-377.17
7	GUIDE	453394432	8.19	1891	0.067	-0.001	0.058	0.093	194.770484	46.388824	1641.54	-401.38

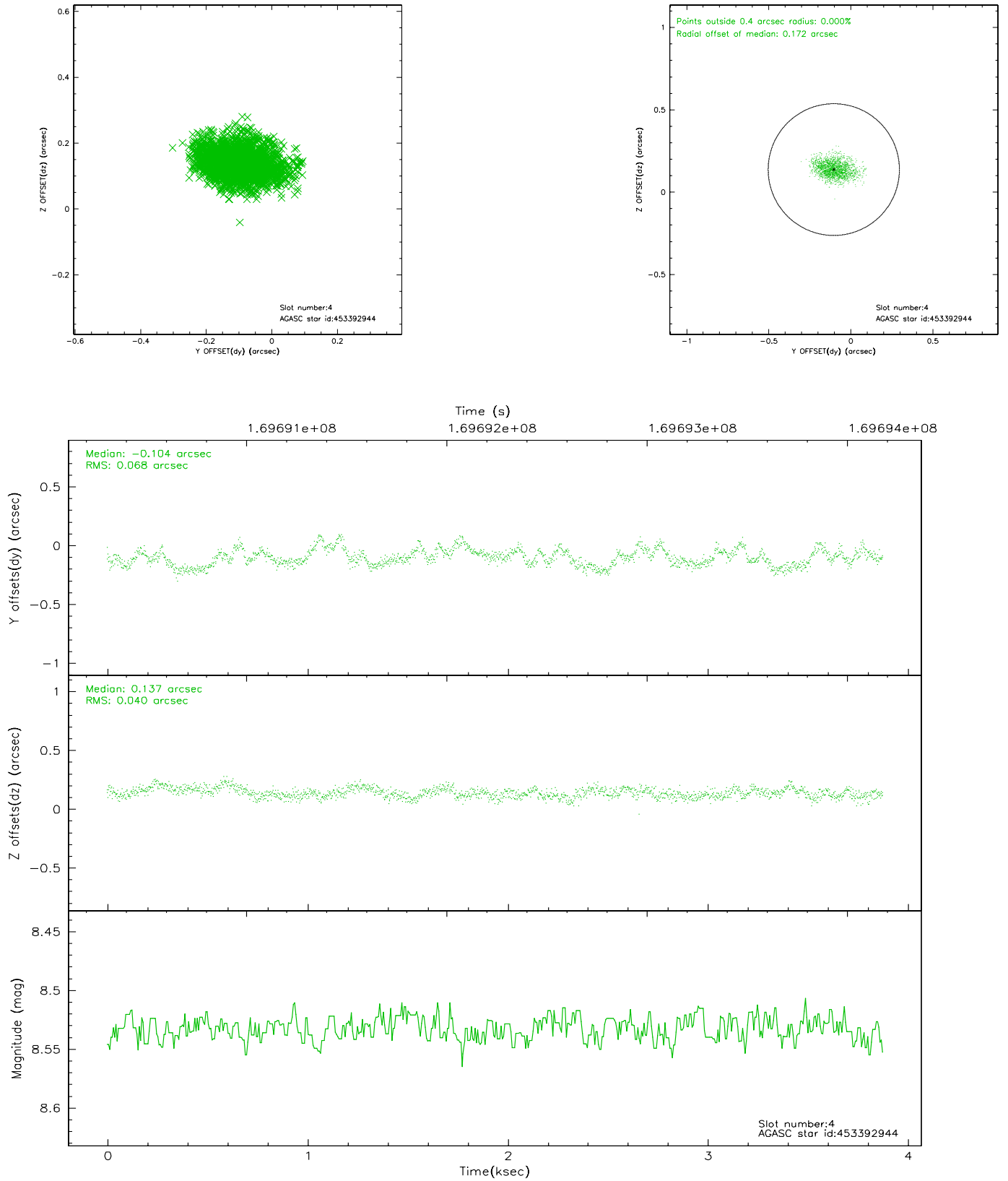


## 2.4 Star Slots

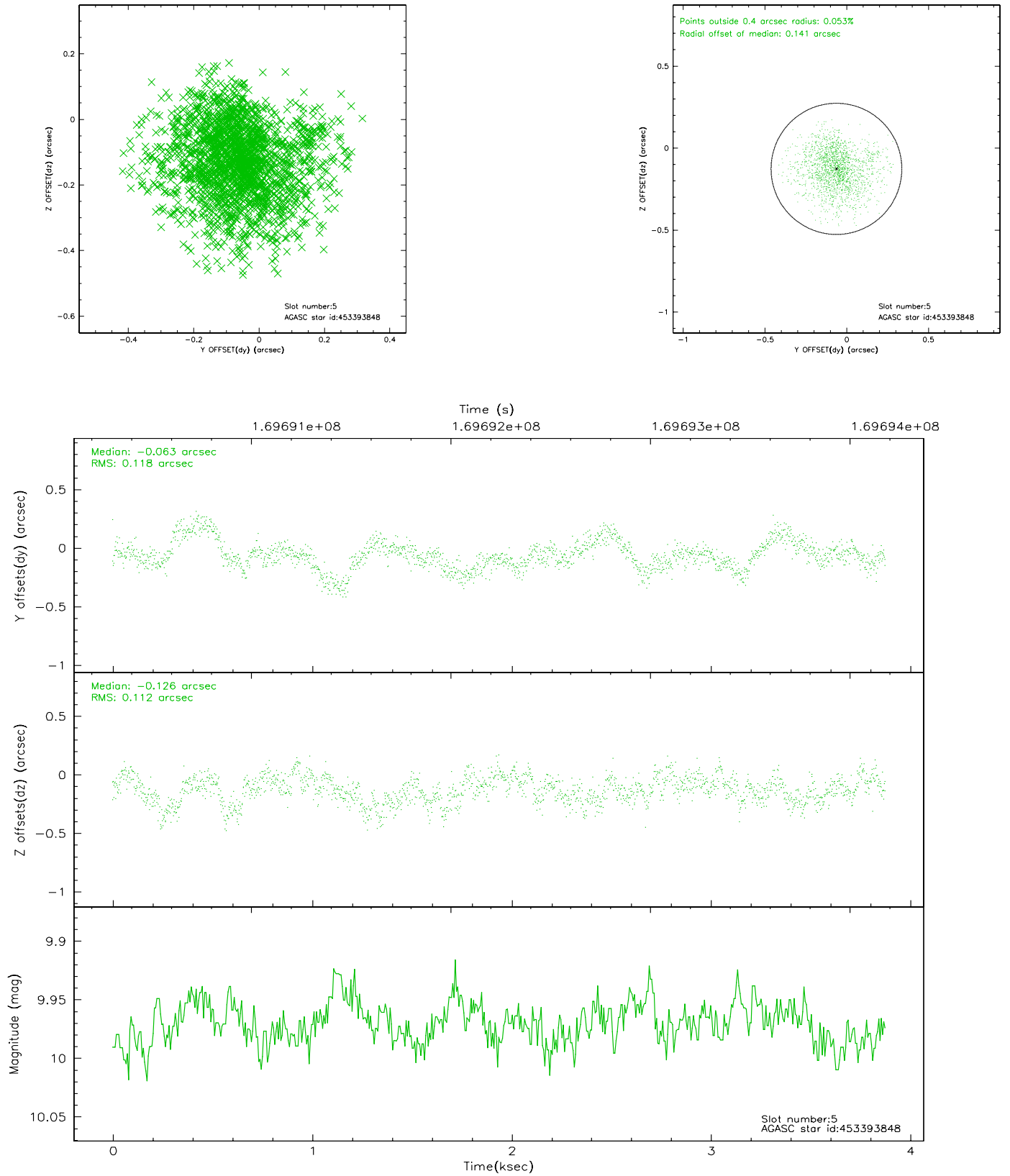
### 2.4.1 Slot 3



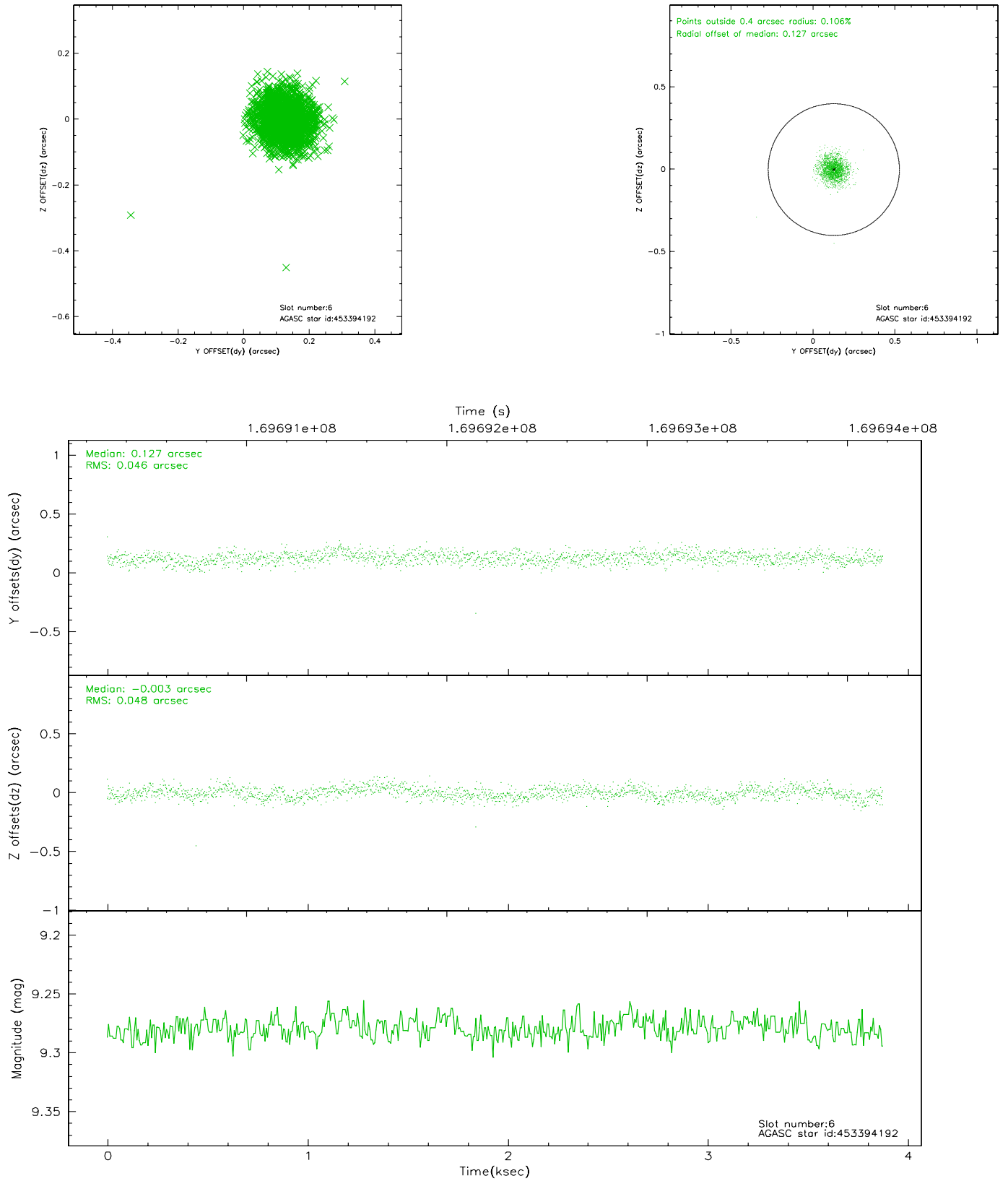
## 2.4.2 Slot 4



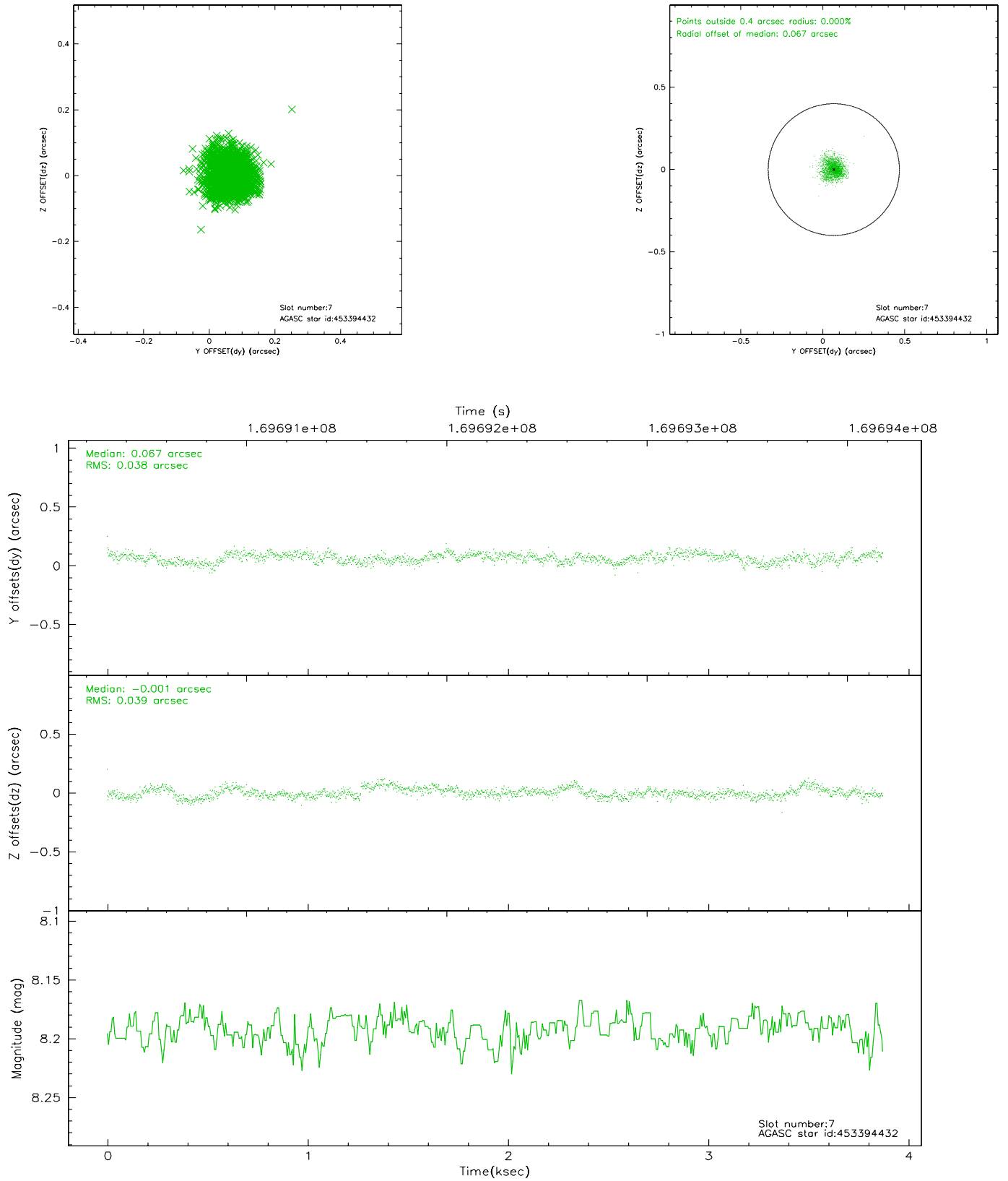
### 2.4.3 Slot 5



## 2.4.4 Slot 6

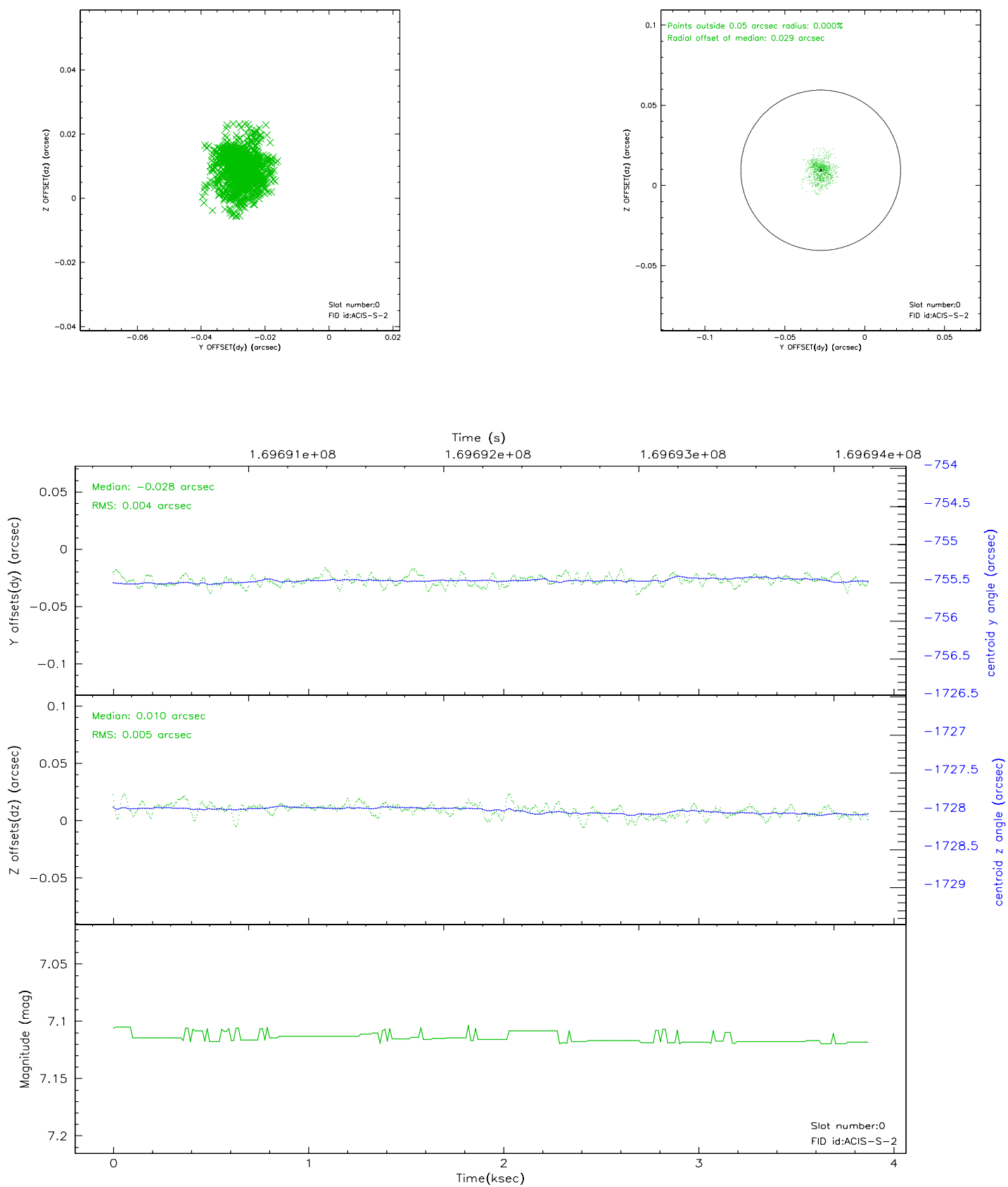


## 2.4.5 Slot 7

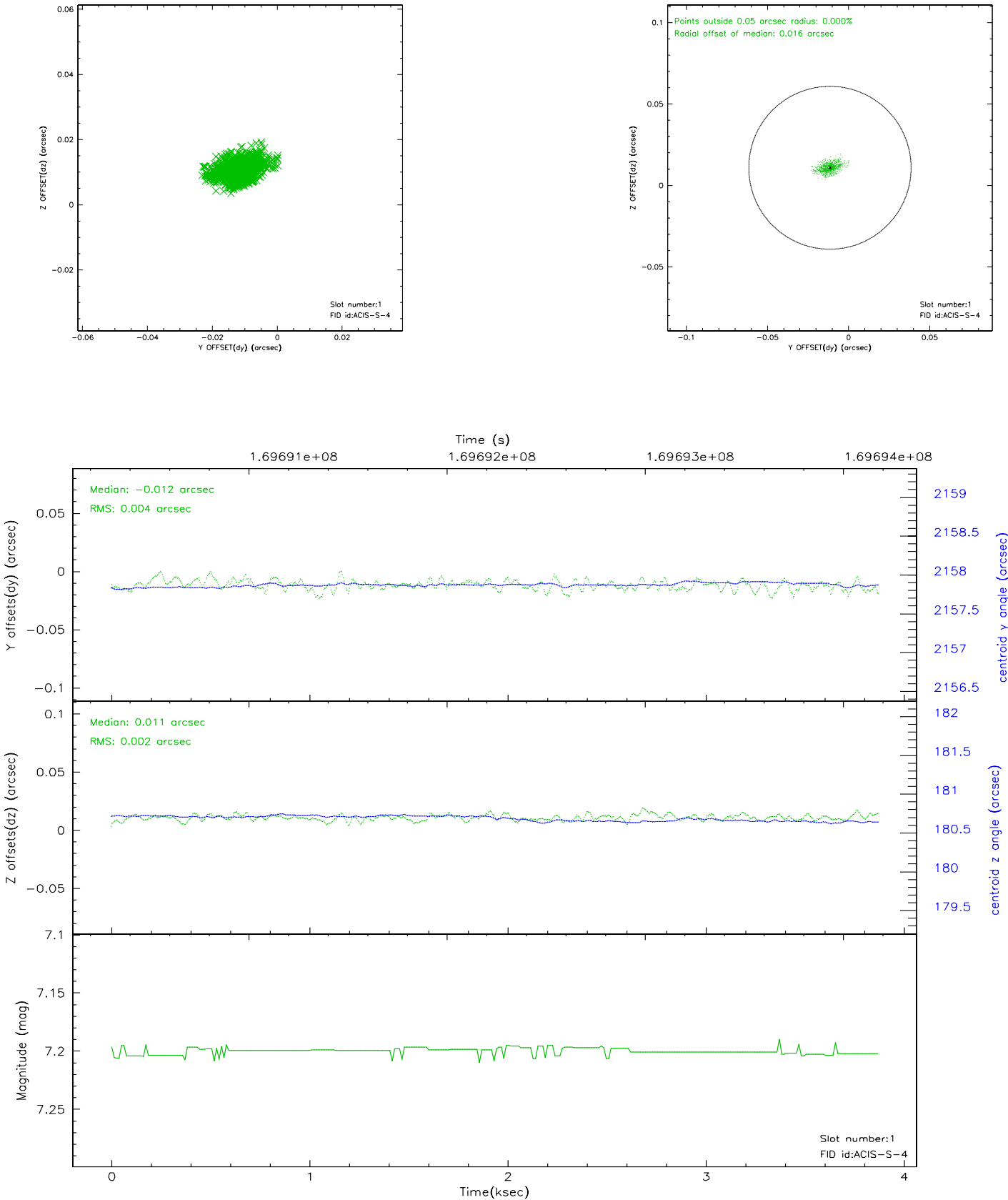


## 2.5 FID Slots

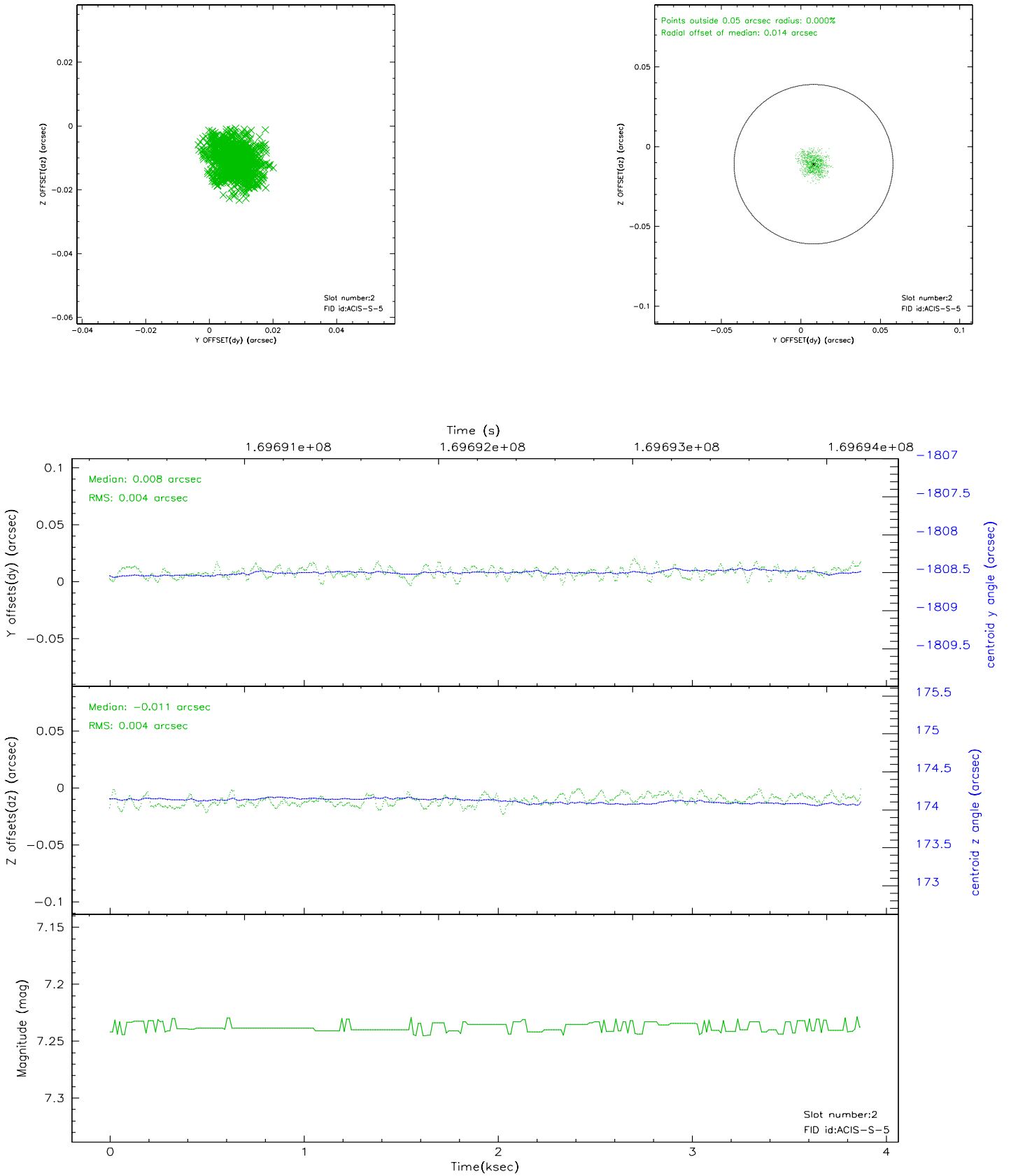
### 2.5.1 Slot 0



2.5.2 Slot 1

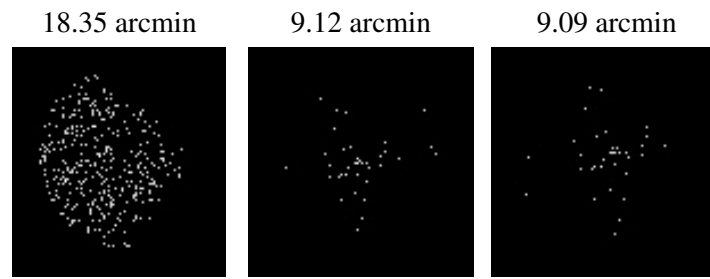


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.835

### A.2 Comments