

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 622 - L2 Version 001  
Chandra X-Ray Center

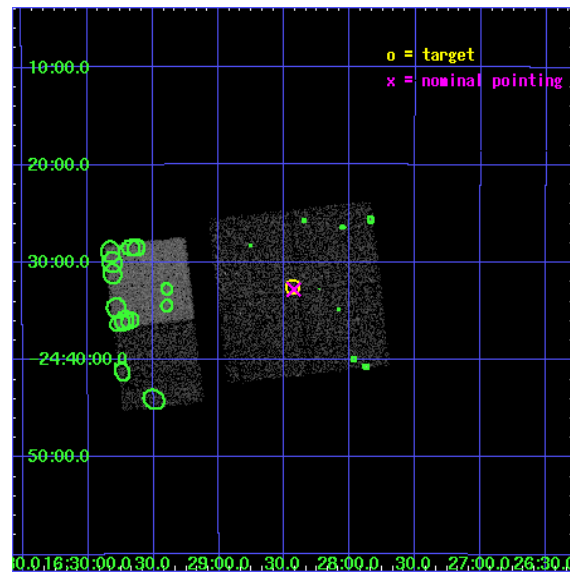
L2 Processing Date : May 27 2007

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# 1 Front

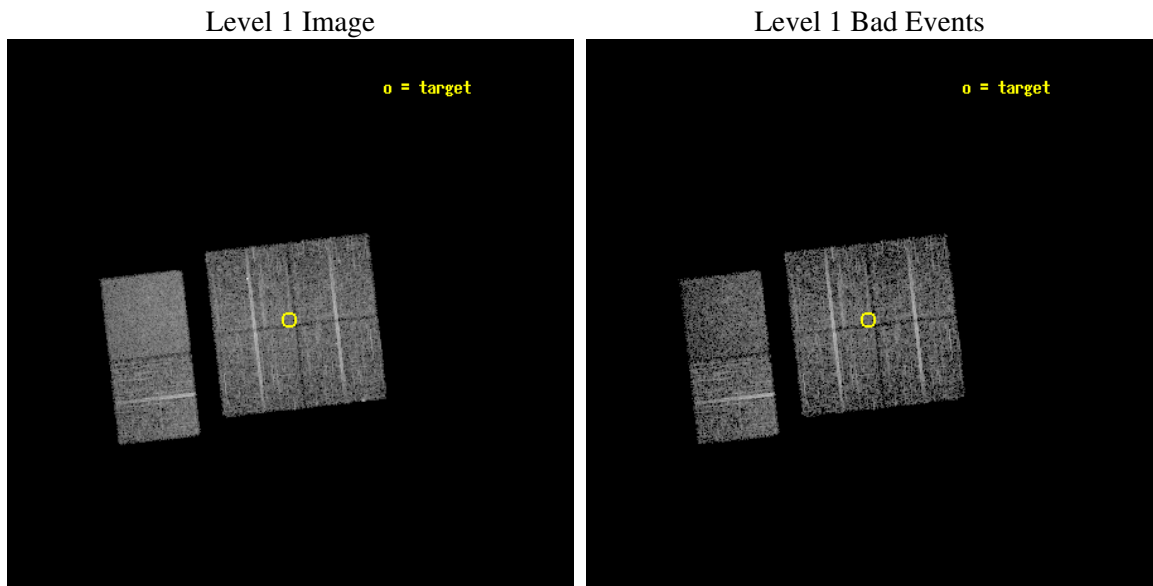
seq_num	200047
obs_id	622
title	X-RAYS FROM THE RHO OPHIUCHI YOUNG STAR CLUSTER
observer	DR. THIERRY MONTMERLE
object	OPHIUCHI MOSAIC #10
dtcycle	0
cycle	P
ra_targ	247.109167
dec_targ	-24.5425
ra_nom	247.10654395098
dec_nom	-24.54684400891
roll_nom	263.48086846476
revision	3
ontime	4873.6000045389
livetime	4811.8875467518
ontime0	4873.6000045389
ontime1	4873.6000045389
ontime2	4873.6000045389
ontime3	4873.6000045389
ontime6	4873.6000045389
ontime7	4873.6000045389
l2events	31578



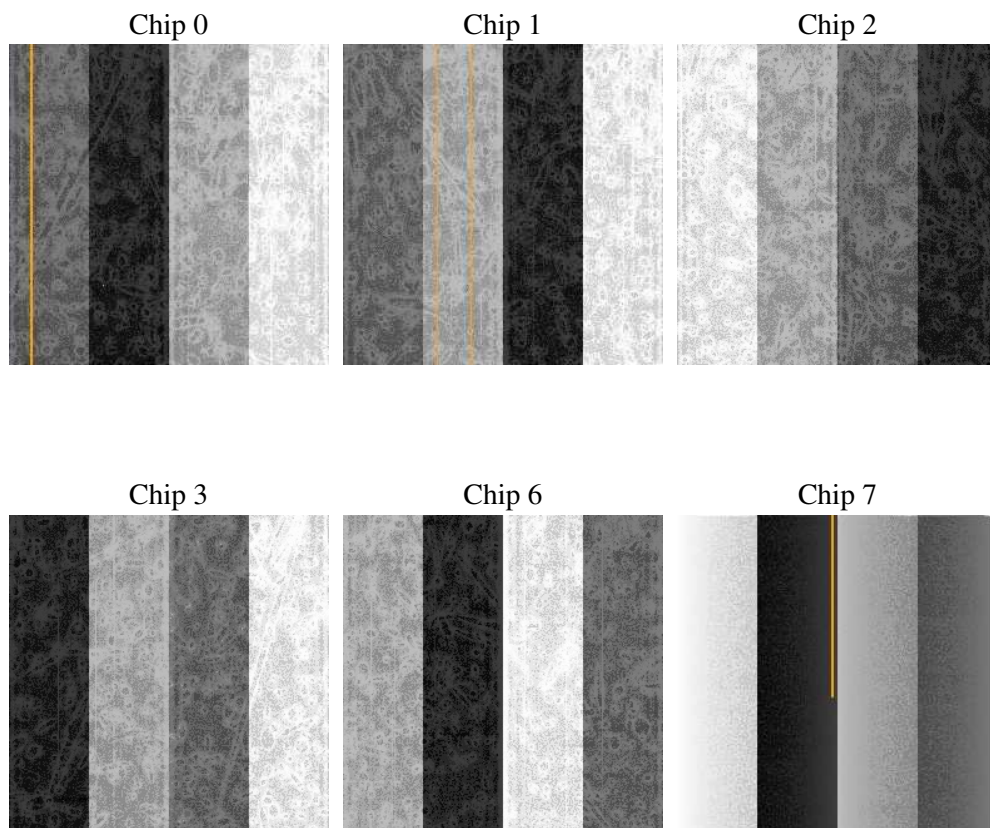
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T19:43:45
revision	3

sched_exp_time	4725.000000
ontime	4873.6000045389
ontime0	4873.6000045389
ontime1	4873.6000045389
ontime2	4873.6000045389
ontime3	4873.6000045389
ontime6	4873.6000045389
ontime7	4873.6000045389
l1events	201767

### 2.1.4 Events

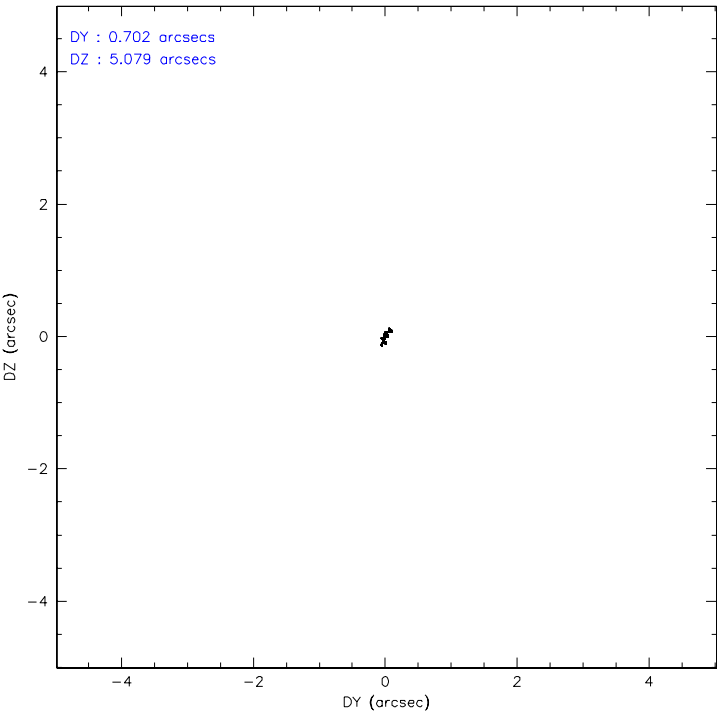
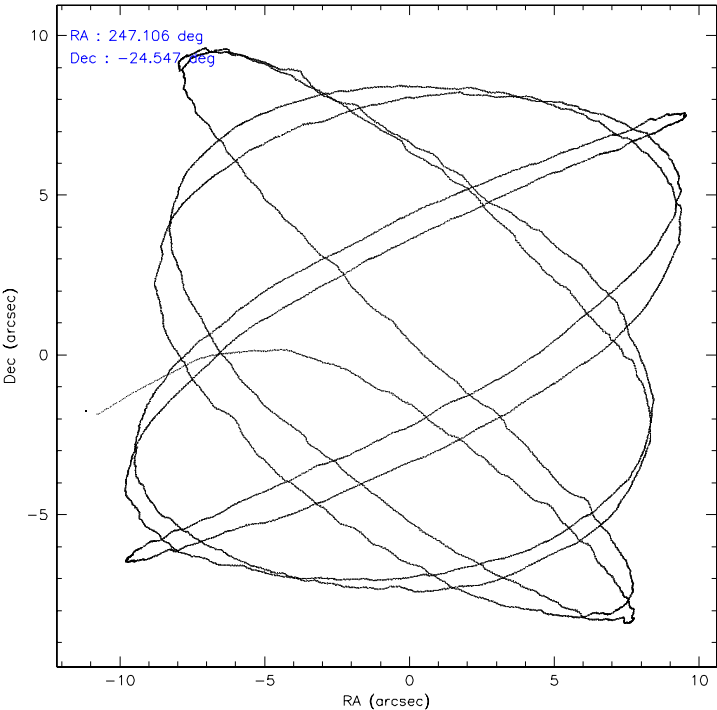
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30551	30293	32690	34110	34866	39257
rejected events	26823	26410	29340	30150	31449	22855
rejected %	87%	87%	89%	88%	90%	58%

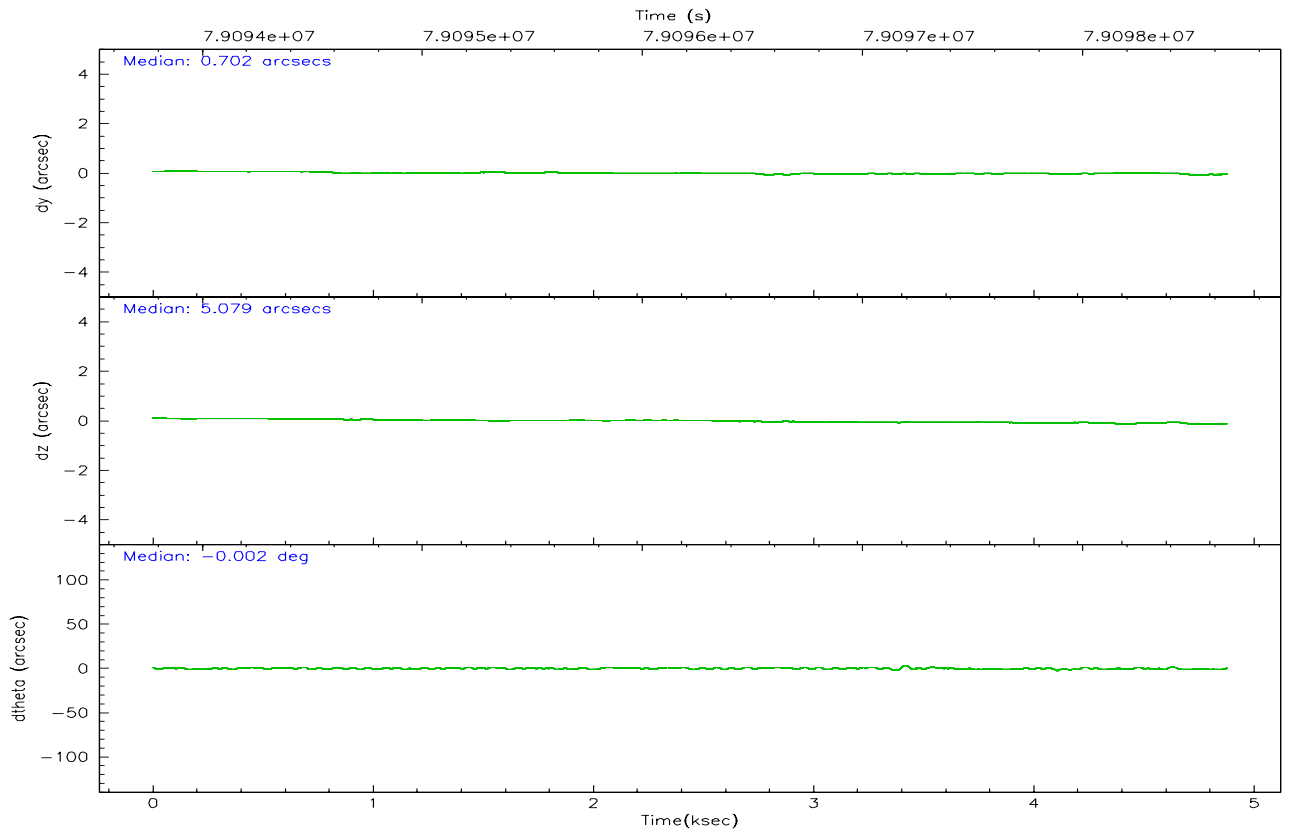
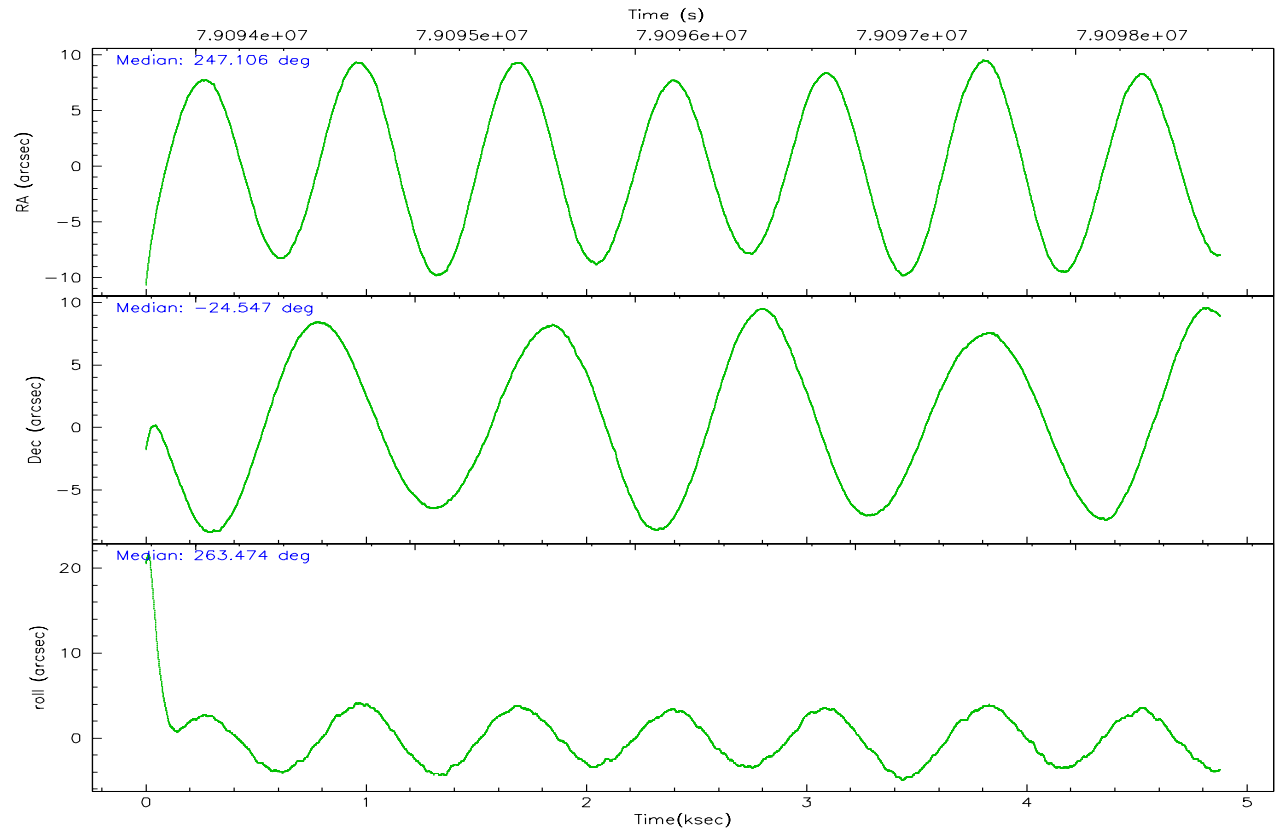
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1686	1657	1405	2046	1419	1740
	5%	5%	4%	5%	4%	4%
grade 1 events	21	17	14	19	13	37
	0%	0%	0%	0%	0%	0%
grade 2 events	804	752	749	667	704	3330
	2%	2%	2%	1%	2%	8%
grade 3 events	374	414	347	358	380	1508
	1%	1%	1%	1%	1%	3%
grade 4 events	354	414	334	361	349	1512
	1%	1%	1%	1%	1%	3%
grade 5 events	1069	1155	997	1112	1295	3767
	3%	3%	3%	3%	3%	9%
grade 6 events	624	734	601	614	660	8857
	2%	2%	1%	1%	1%	22%
grade 7 events	25619	25150	28243	28933	30046	18506
	83%	83%	86%	84%	86%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	247.094549	247.1065439509764	Subarray requested	NONE	NONE
Pointing Dec	-24.521467	-24.54684400891026	Alternating exposures requested	N	N
Pointing Roll	263.267134	263.4808684647632	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	79093930.184000	79092809.025664			
Observation start date	2000-07-04T10:31:06	2000-07-04T10:13:29			
Observation end time	79098655.184000	79098910.33838899			
Observation end date	2000-07-04T11:49:51	2000-07-04T11:55:10			
Read mode	TIMED	TIMED			

### 2.3 Aspect





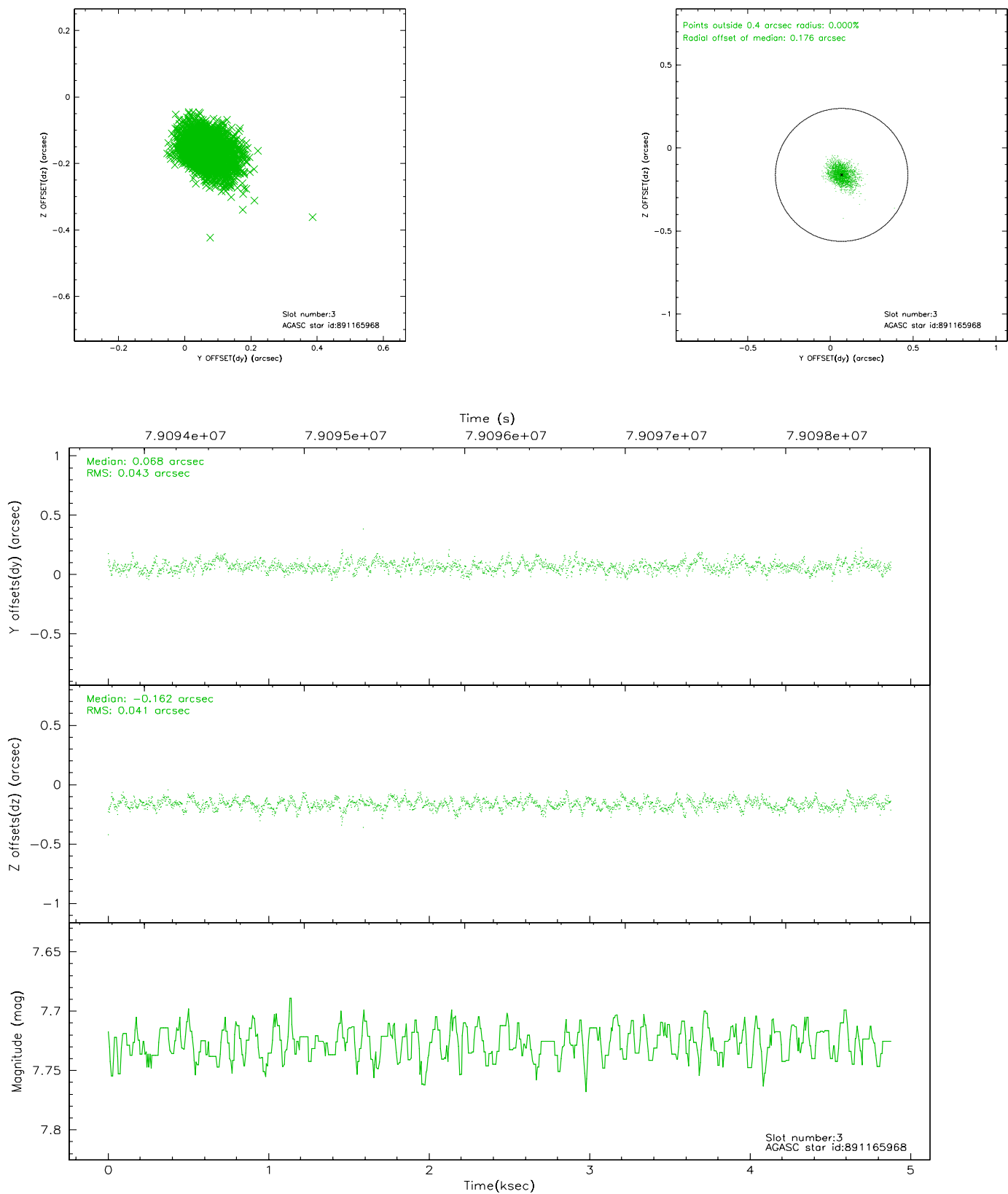
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1190	-0.016	-0.002	0.008	0.015	0.000000	0.000000	-755.04	-834.78
1	FID	ACIS-I-4	7.19	1190	-0.088	0.020	0.006	0.010	0.000000	0.000000	2158.38	1070.80
2	FID	ACIS-I-5	7.23	1190	0.003	0.051	0.008	0.014	0.000000	0.000000	-1807.23	1070.10
3	GUIDE	891165968	7.73	2379	0.068	-0.162	0.062	0.106	247.104842	-24.750274	813.14	130.17
4	GUIDE	891165992	7.57	2381	-0.069	0.055	0.048	0.086	247.496655	-25.147789	2086.59	1566.62
5	GUIDE	891031768	7.58	2381	-0.163	-0.049	0.061	0.101	246.351325	-24.465712	92.68	-2440.43
6	GUIDE	891165976	8.20	2381	0.033	0.071	0.066	0.107	247.477470	-24.979460	1491.53	1433.99
7	GUIDE	891028200	9.67	2377	0.131	0.090	0.117	0.183	246.880837	-25.150608	2331.30	-424.83

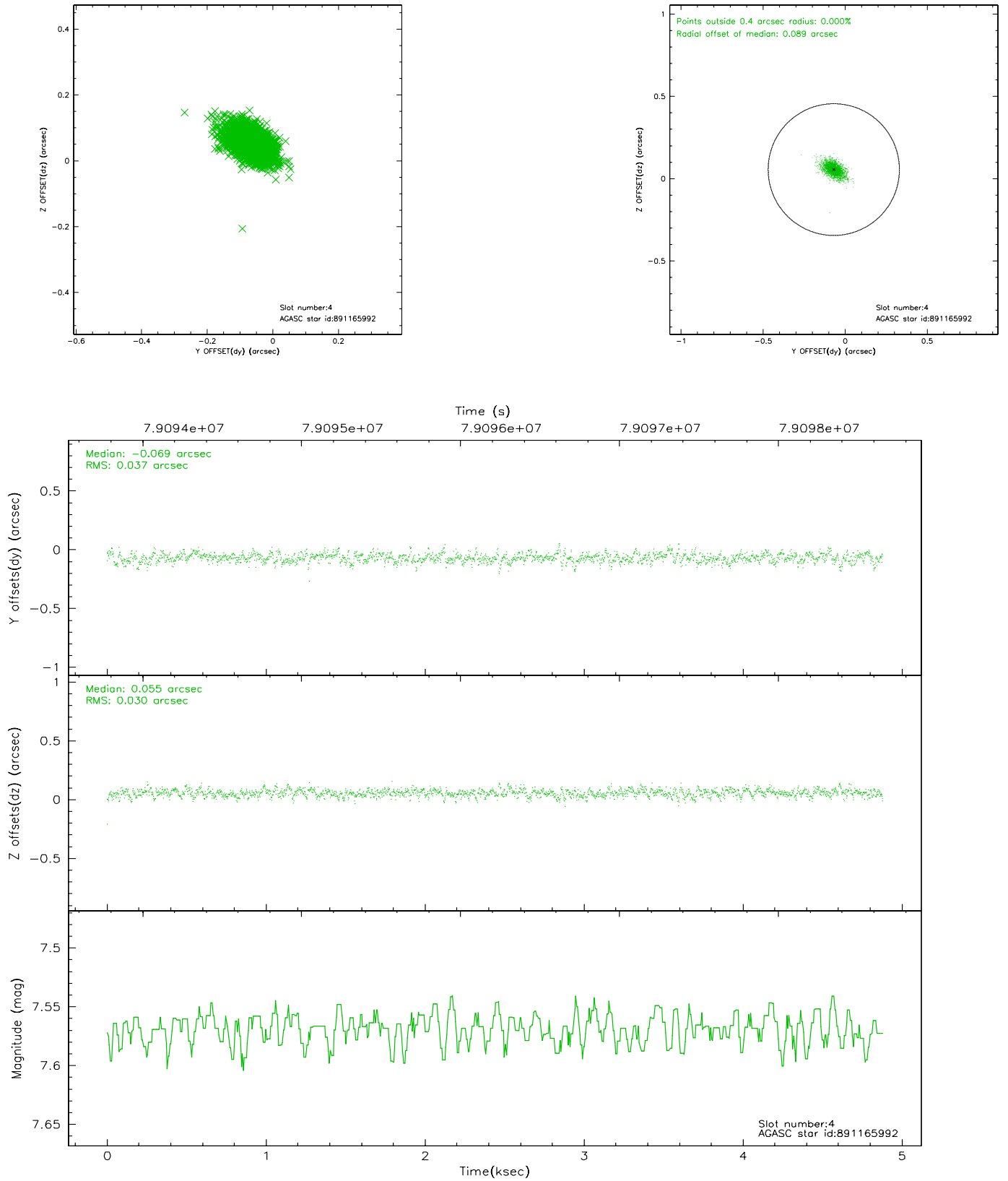


## 2.4 Star Slots

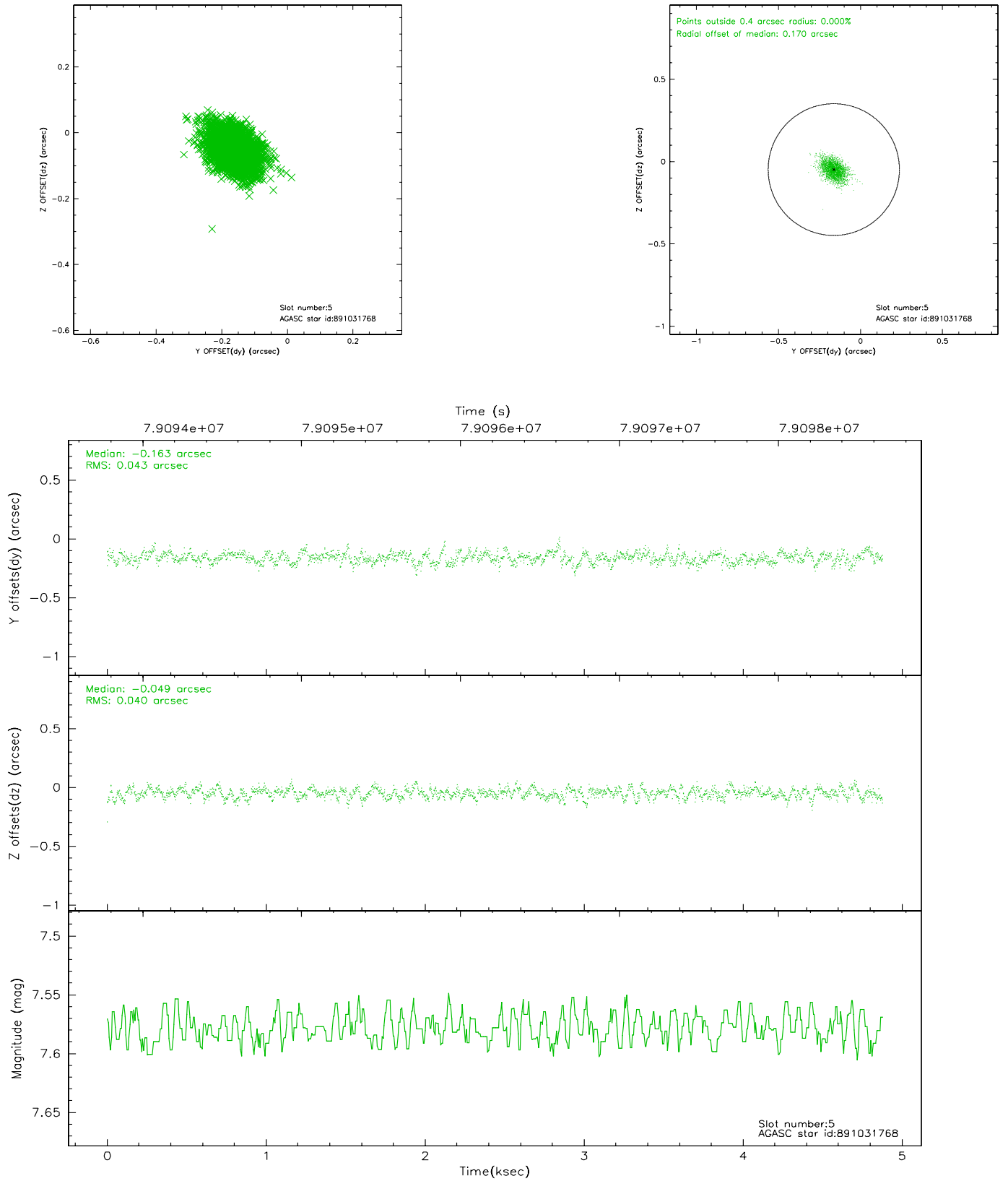
### 2.4.1 Slot 3



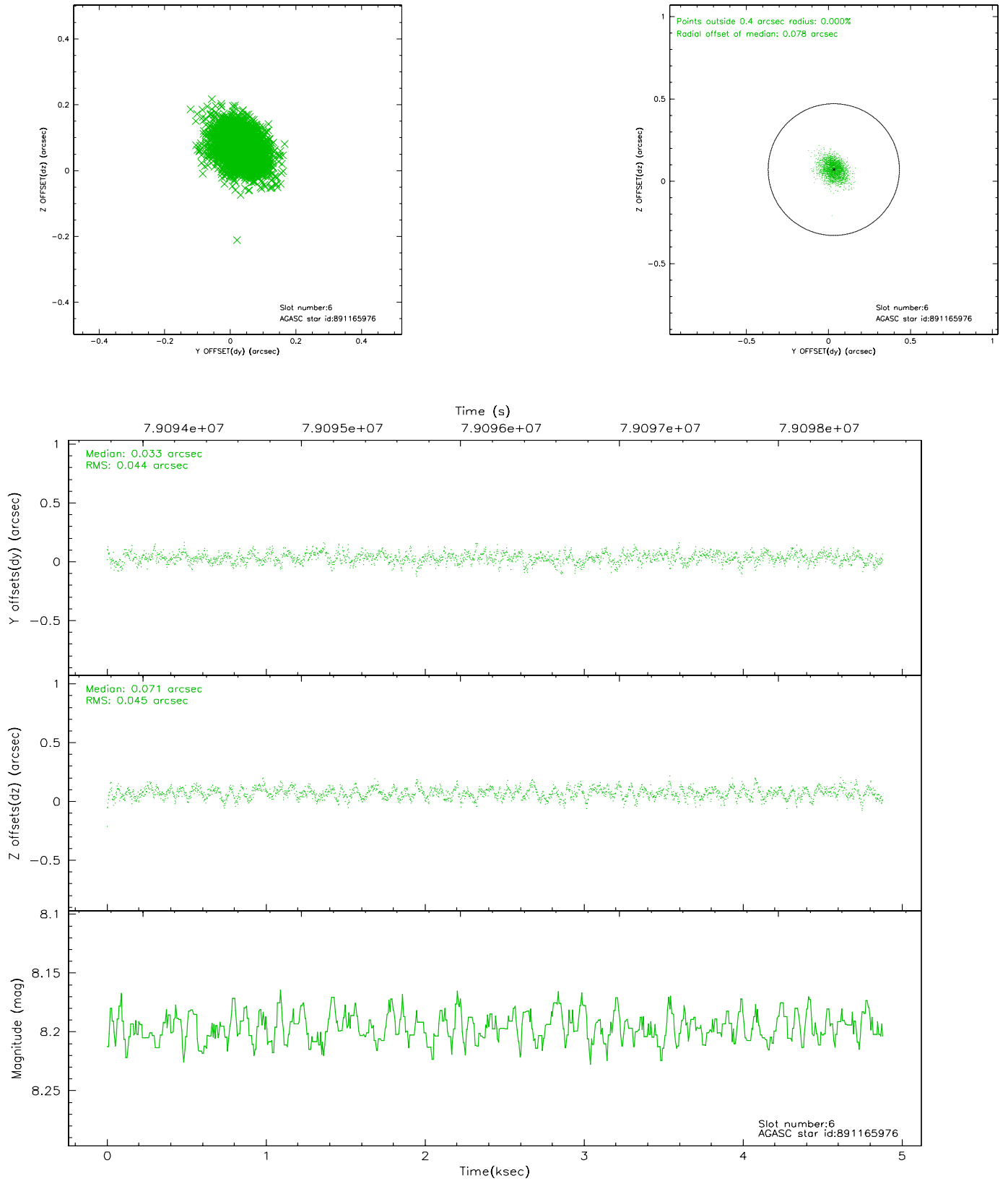
## 2.4.2 Slot 4



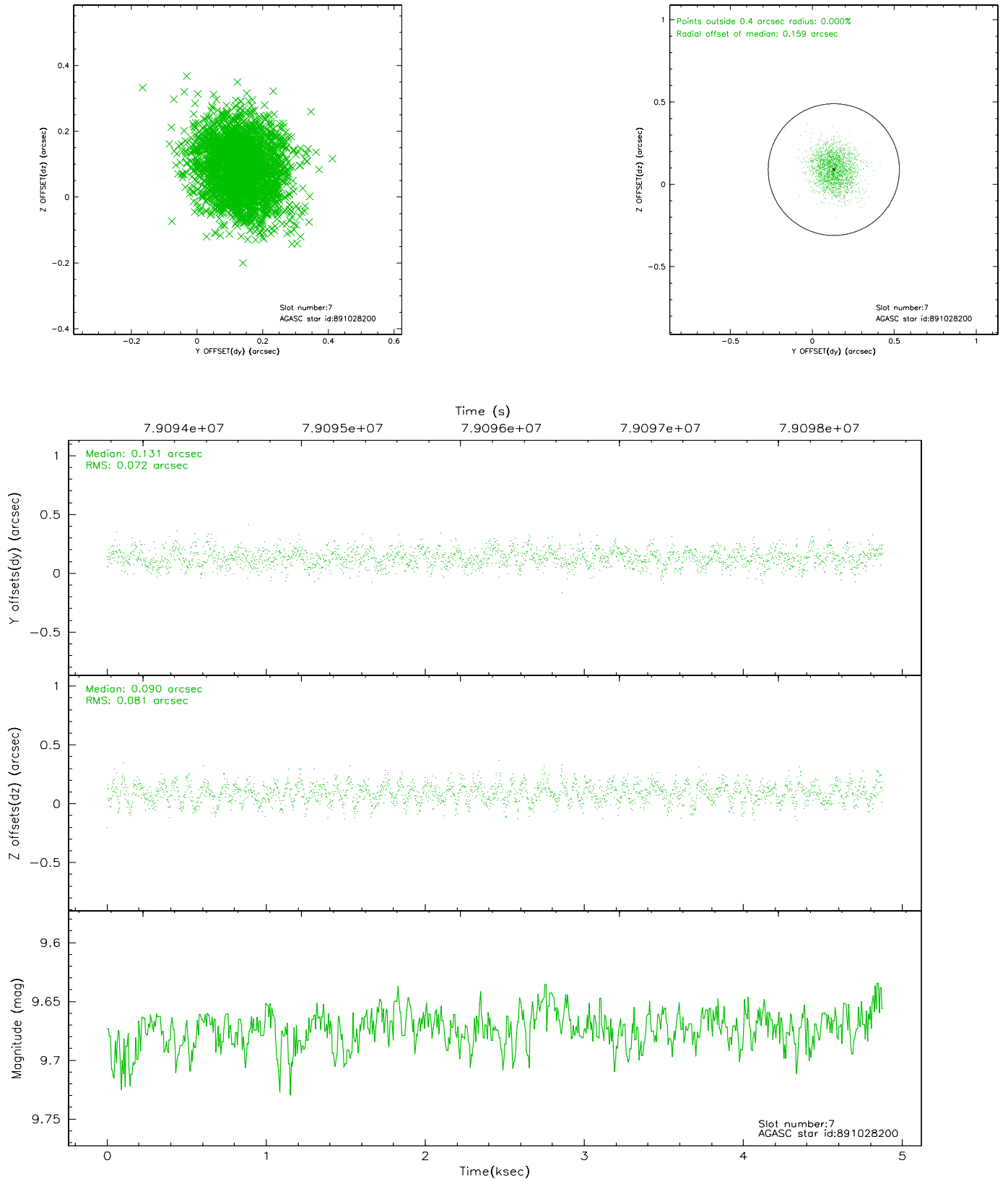
### 2.4.3 Slot 5



## 2.4.4 Slot 6

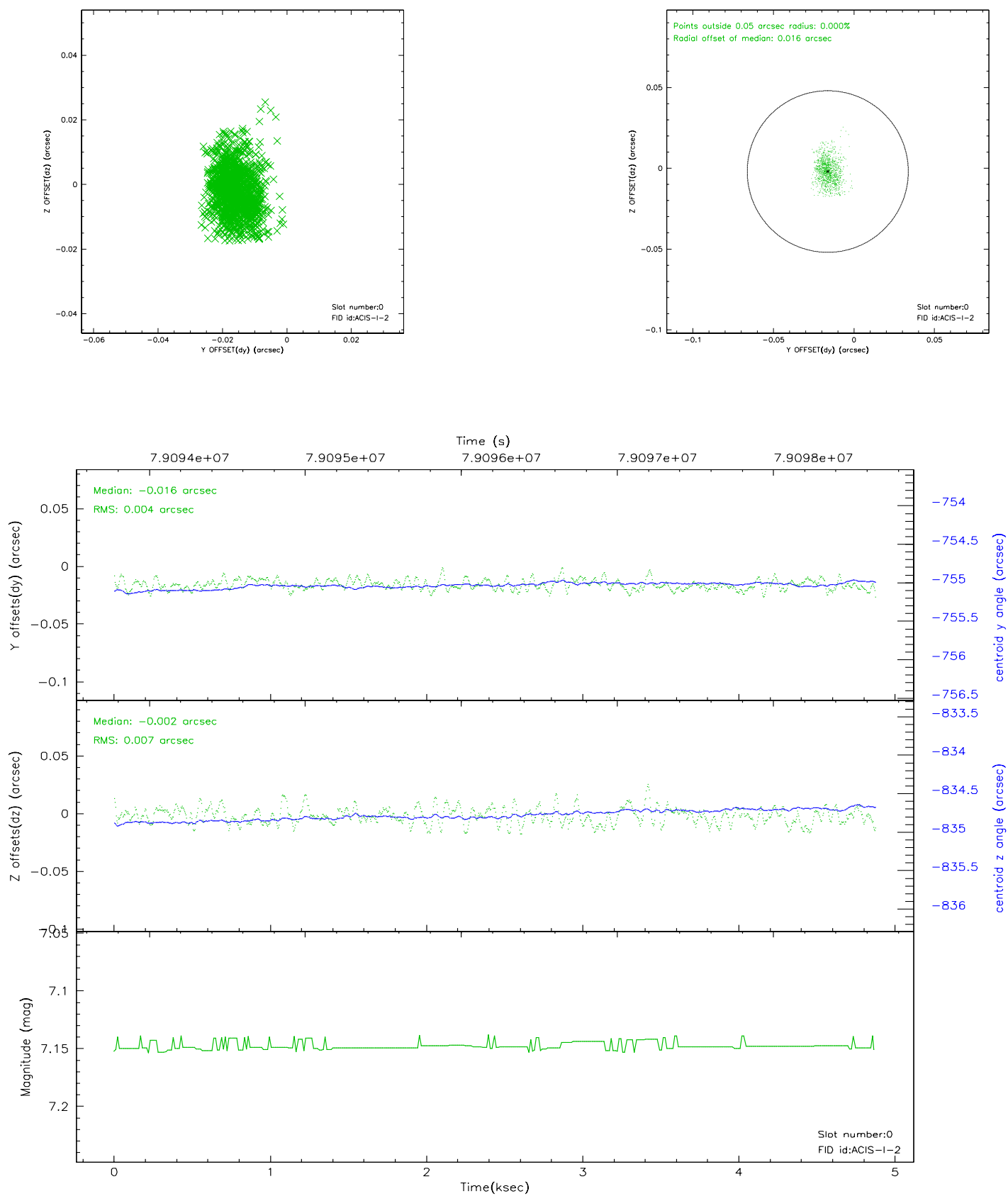


## 2.4.5 Slot 7

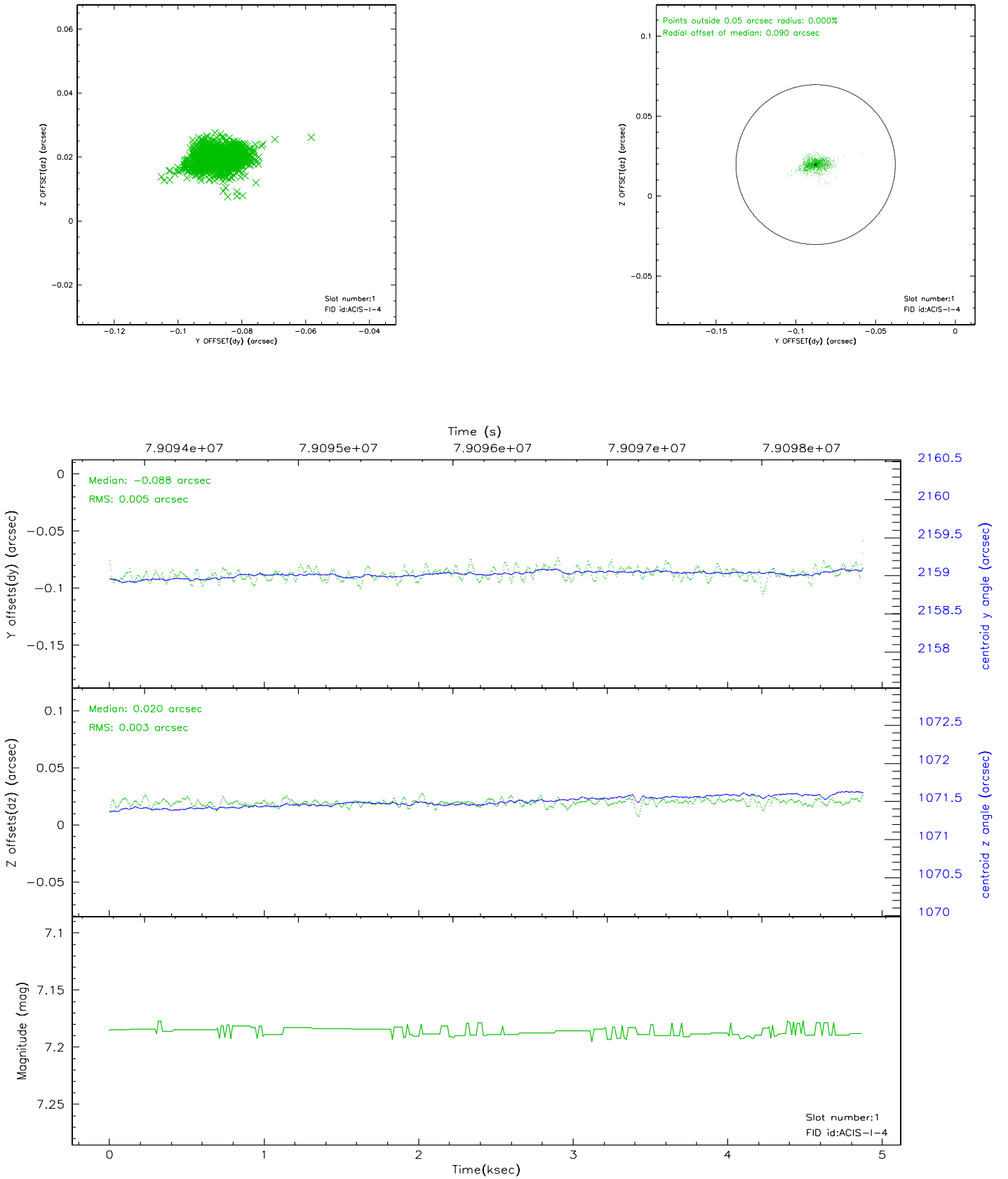


## 2.5 FID Slots

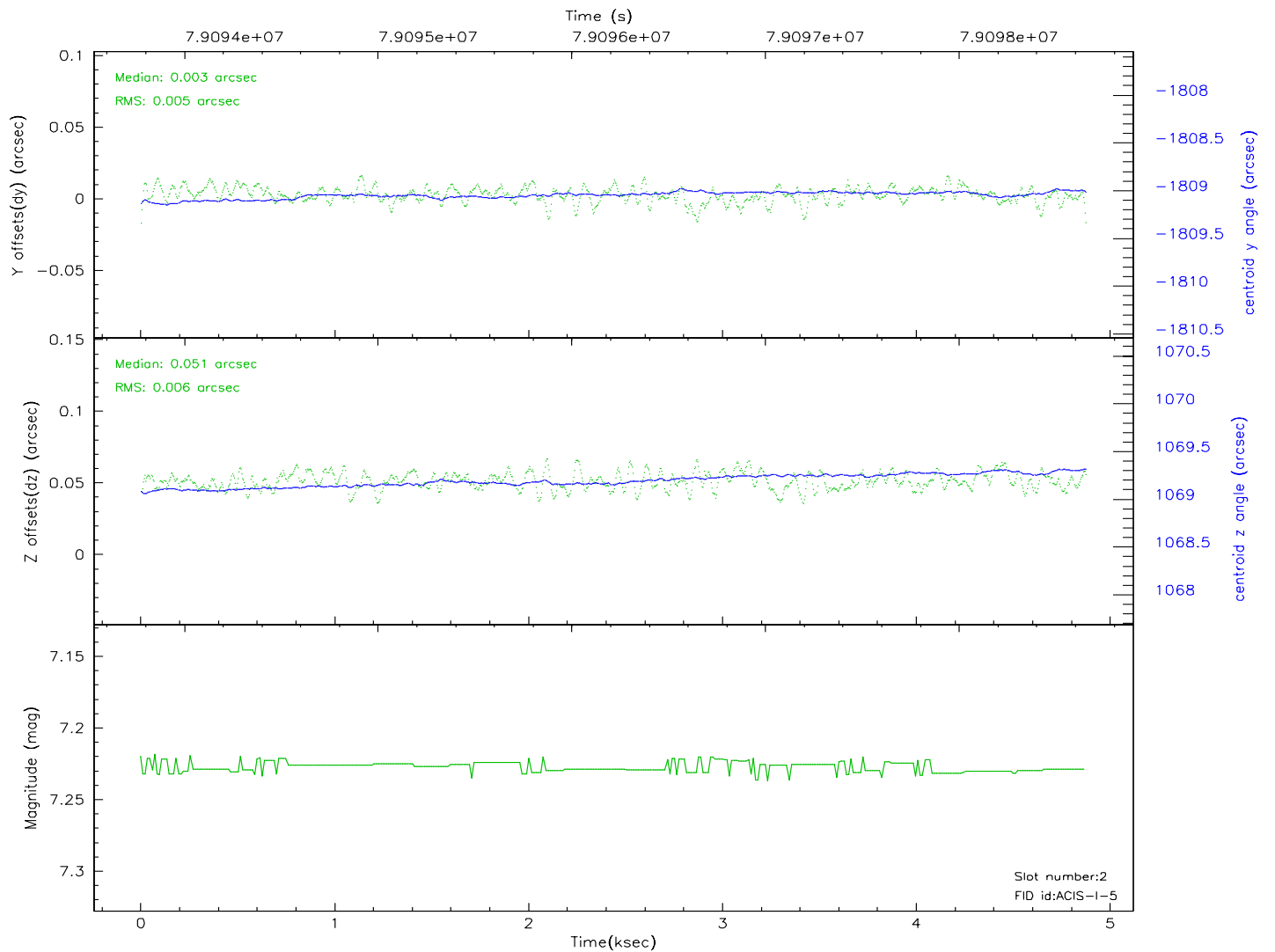
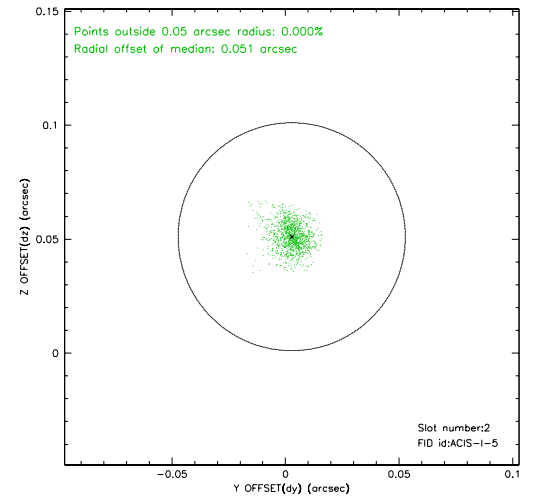
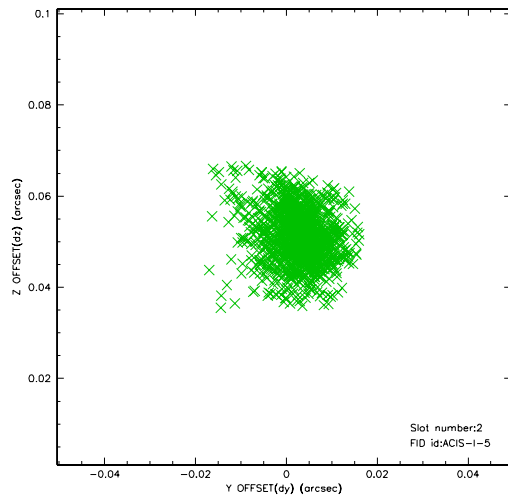
### 2.5.1 Slot 0



## 2.5.2 Slot 1

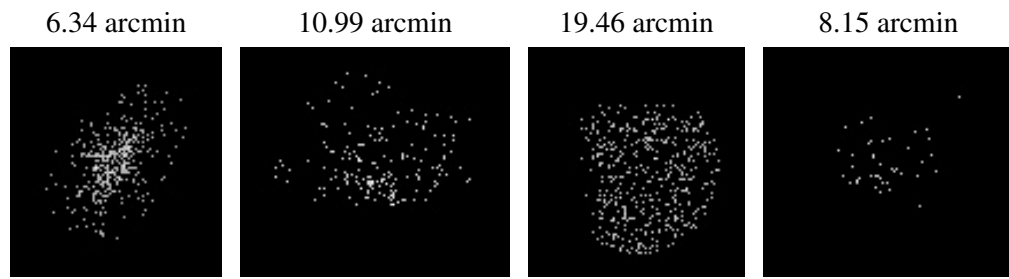


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.873

### A.2 Comments