

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3271 - L2 Version 001  
Chandra X-Ray Center

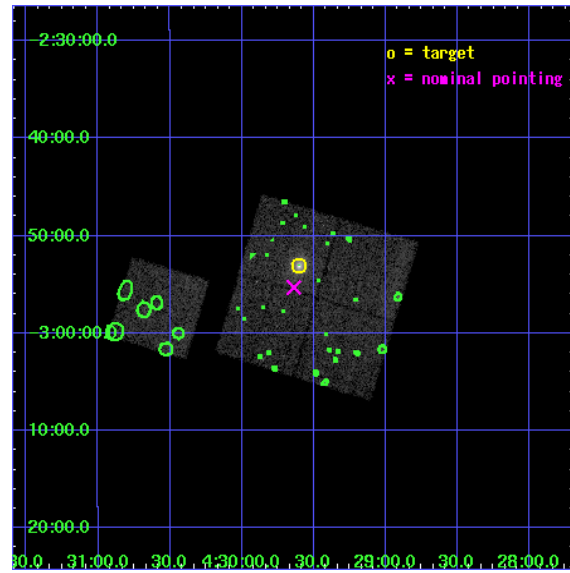
L2 Processing Date : Aug 31 2006

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# 1 Front

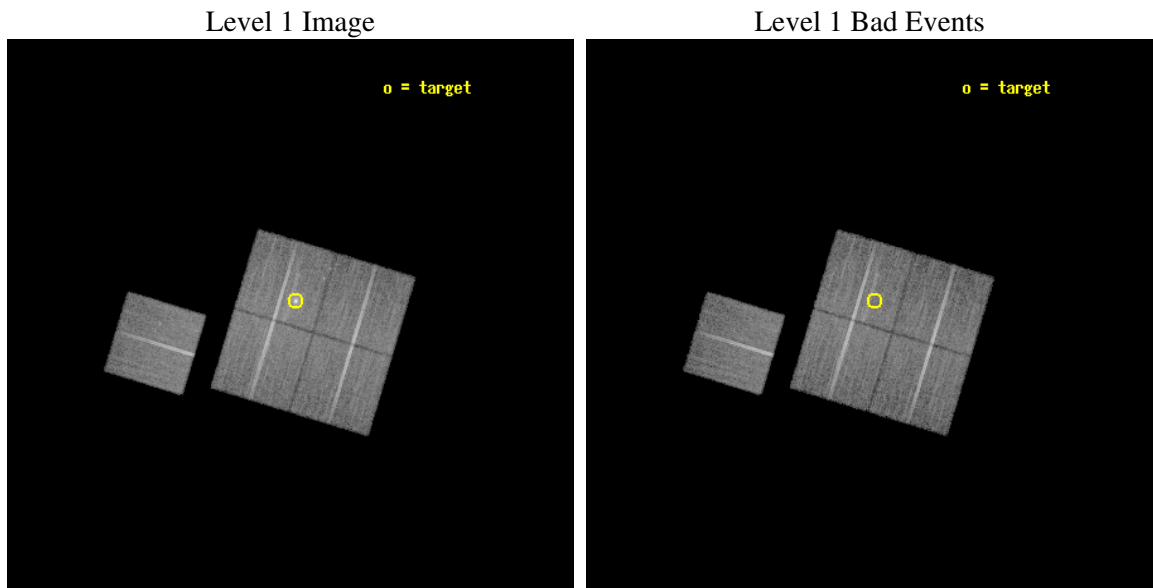
seq_num	800271
obs_id	3271
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT $Z>0.3$
observer	Dr Harald Ebeling
object	MACSJ0429.6-0253
dtcycle	0
cycle	P
ra_targ	67.400417
dec_targ	-2.885278
ra_nom	67.409482662717
dec_nom	-2.9218831270088
roll_nom	286.87929421738
revision	2
ontime	23473.199954867
livetime	23166.505316739
ontime0	23473.199954867
ontime1	23473.199954867
ontime2	23466.918024376
ontime3	23473.199954867
ontime6	23470.058994606
l2events	62456



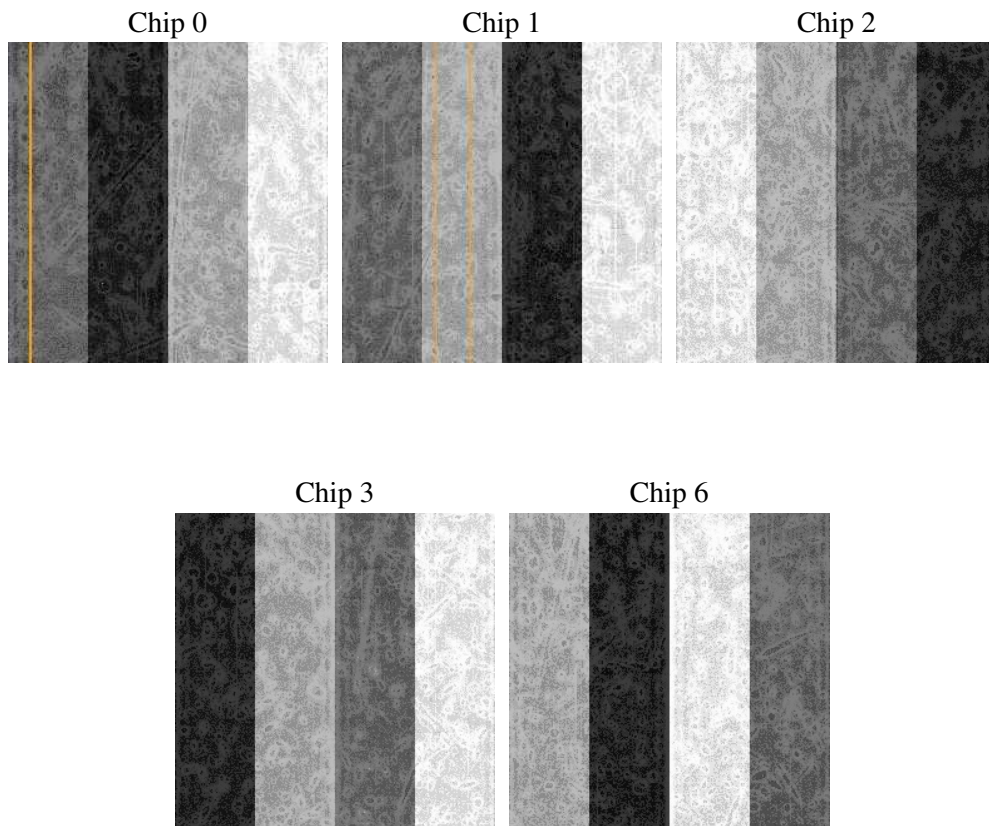
## 2 OBI

### 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	2006-08-31T15:11:59
revision	2

sched_exp_time	23700.000000
ontime	23475.841097027
ontime0	23475.841097027
ontime1	23475.841067091
ontime2	23469.559136599
ontime3	23475.841097027
ontime6	23472.700136766
l1events	657379

### 2.1.4 Events

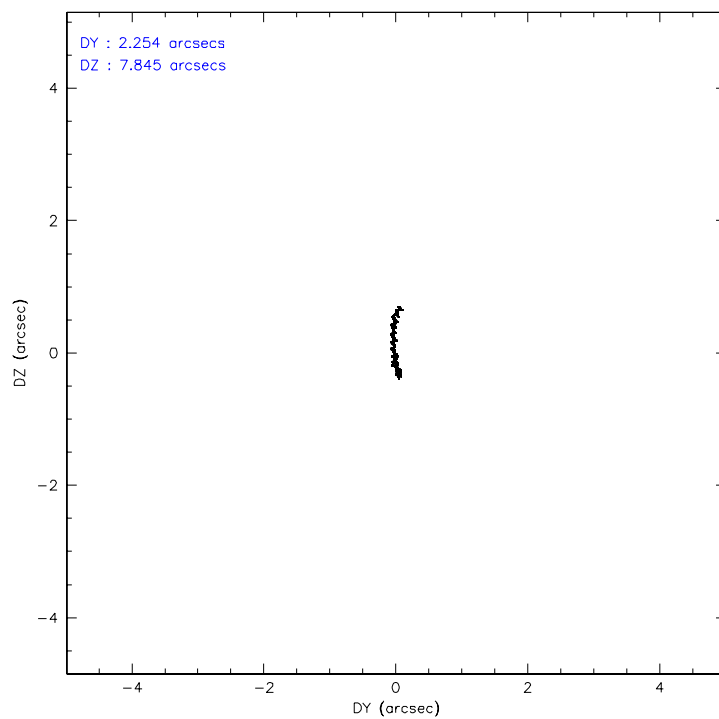
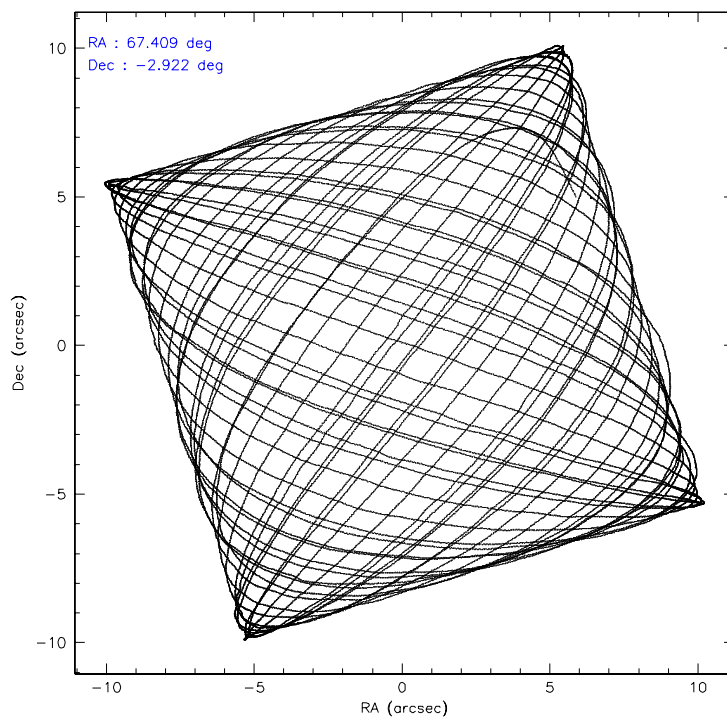
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	122577	123500	136752	142685	131865
rejected events	109442	109216	124189	122276	118500
rejected %	89%	88%	90%	85%	89%

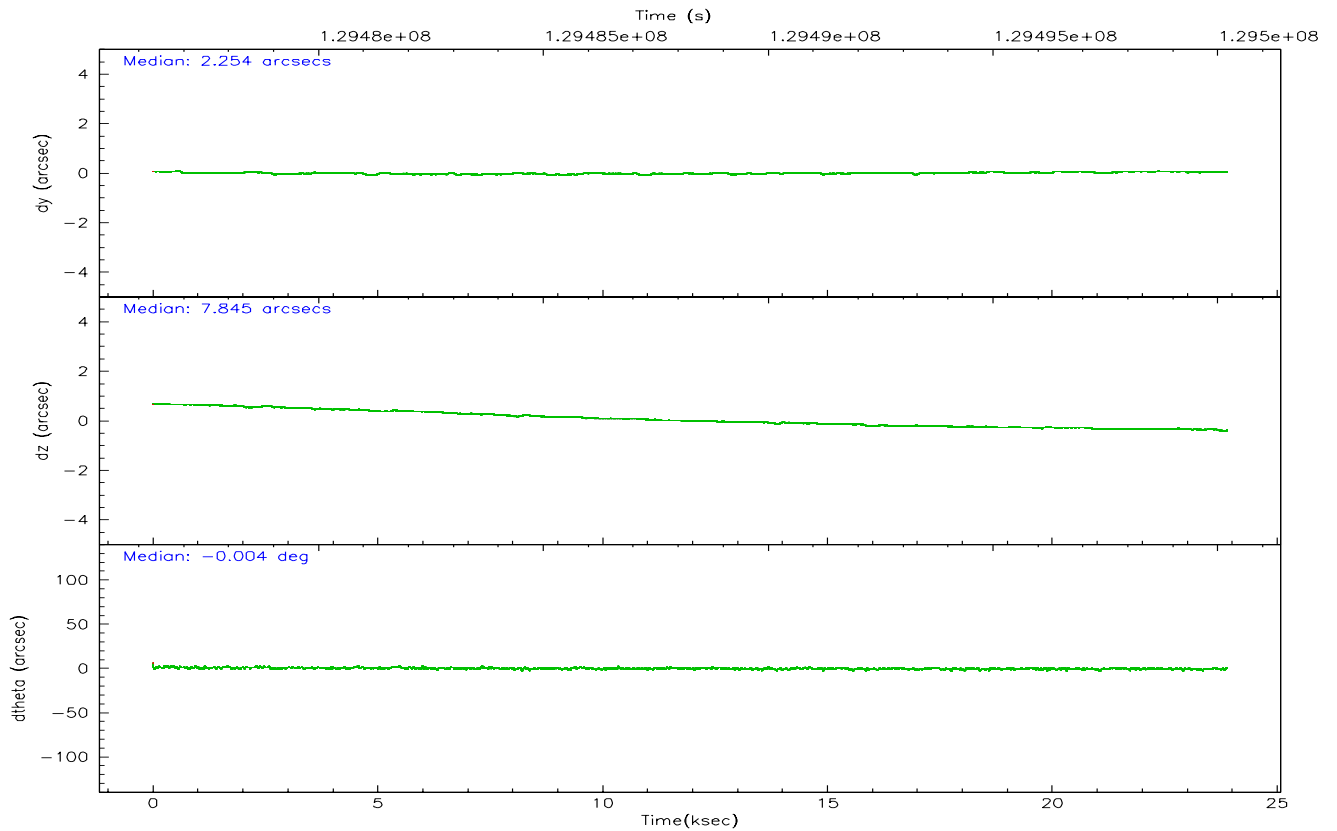
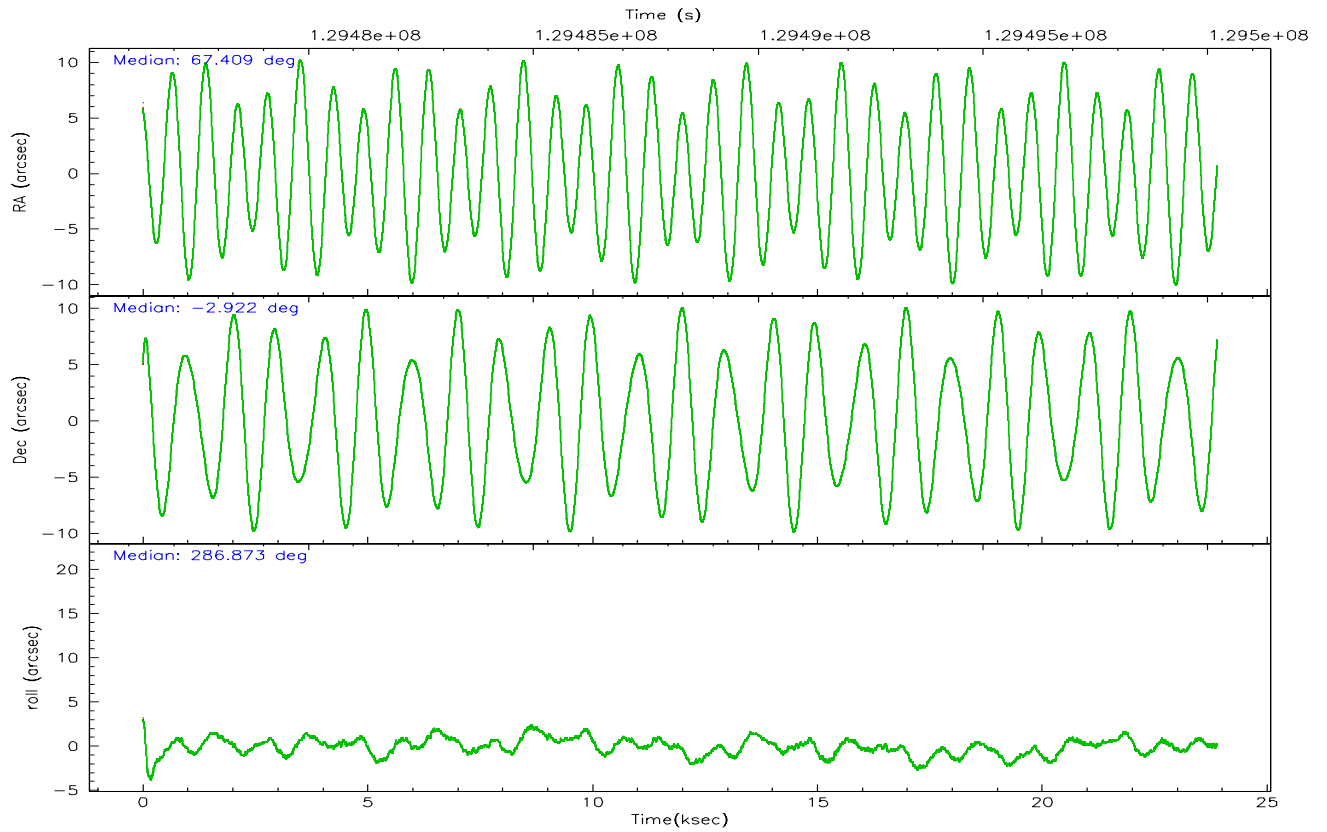
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4776	5427	4760	11131	5080
	3%	4%	3%	7%	3%
grade 1 events	56	59	61	77	63
	0%	0%	0%	0%	0%
grade 2 events	3000	2914	2802	3328	2714
	2%	2%	2%	2%	2%
grade 3 events	1542	1642	1347	1678	1432
	1%	1%	0%	1%	1%
grade 4 events	1407	1573	1392	1616	1456
	1%	1%	1%	1%	1%
grade 5 events	4193	4437	3891	4678	4789
	3%	3%	2%	3%	3%
grade 6 events	2413	2730	2266	2656	2688
	1%	2%	1%	1%	2%
grade 7 events	105190	104718	120233	117521	113643
	85%	84%	87%	82%	86%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	67.389412	67.40948266271747	Alternating exposures requested	N	N
Pointing Dec	-2.903178	-2.921883127008808	Primary exposure time	0.000000	3.1
Pointing Roll	286.669587	286.8792942173844			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-227.742463	-227.734108438797			
SIM translation stage offset (mm)	-5.85	-5.858344564132665			
Observation start time	129476509.184000	129475715.30498			
Observation start date	2002-02-07T13:40:45	2002-02-07T13:28:35			
Observation end time	129500209.184000	129500805.25599			
Observation end date	2002-02-07T20:15:45	2002-02-07T20:26:45			
Read mode	TIMED	TIMED			

## 2.3 Aspect





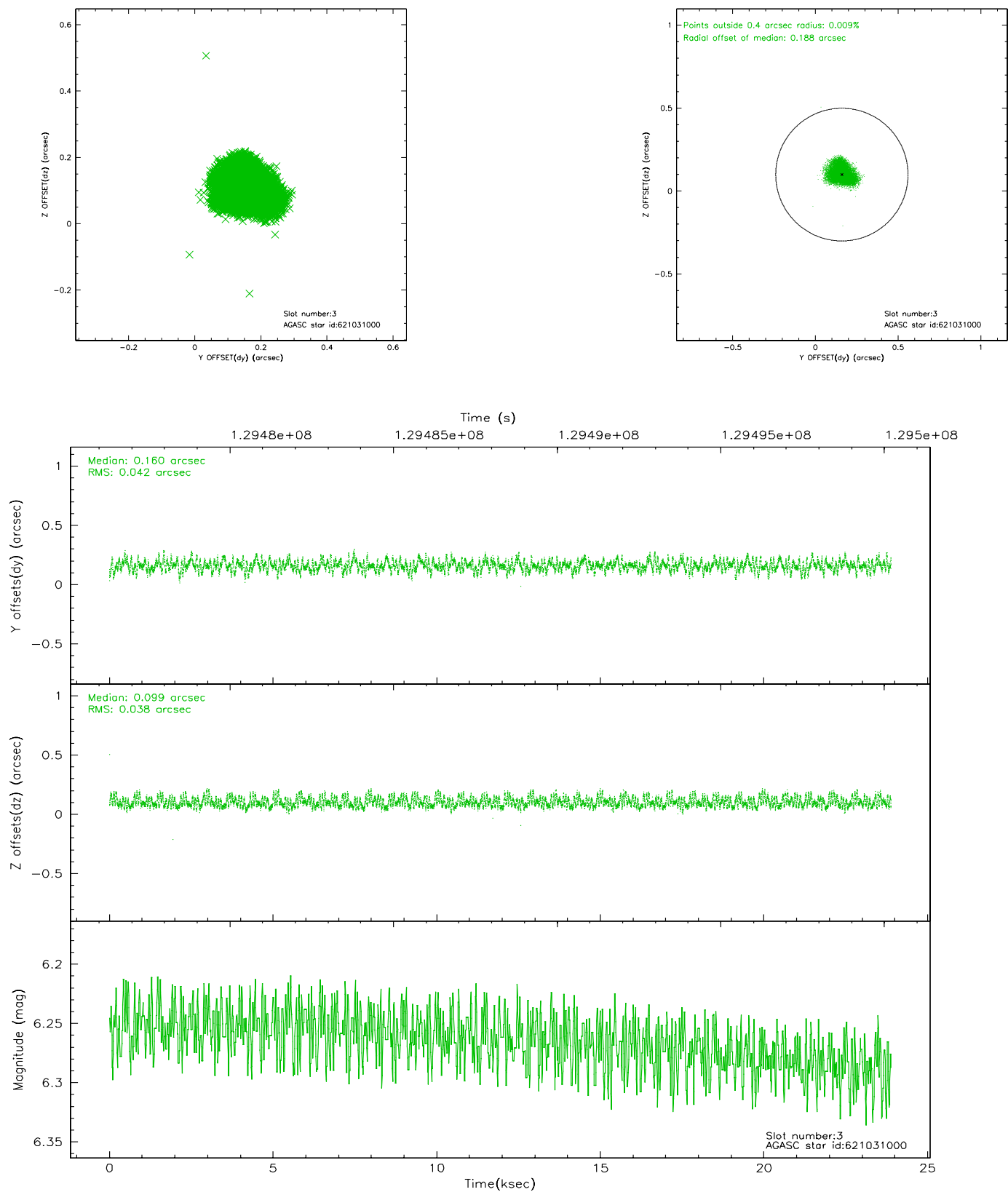
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.96	5826	-0.103	0.000	0.010	0.016	0.000000	0.000000	-757.11	-957.17
1	FID	ACIS-I-4	6.95	5824	-0.055	0.117	0.015	0.021	0.000000	0.000000	2156.87	949.05
2	FID	ACIS-I-6	7.00	5825	0.059	-0.053	0.011	0.018	0.000000	0.000000	403.55	1590.45
3	GUIDE	621031000	6.26	11652	0.160	0.099	0.061	0.095	68.156472	-3.209539	1848.86	2324.92
4	GUIDE	619592488	7.68	11647	-0.124	-0.095	0.062	0.097	67.359237	-2.414102	-1717.18	400.93
5	GUIDE	619972720	8.94	11648	0.012	-0.121	0.084	0.134	66.729190	-2.831960	-925.35	-2201.02
6	GUIDE	621019928	8.66	11651	-0.060	0.136	0.066	0.108	67.503503	-2.339611	-1825.62	974.85
7	GUIDE	619979216	8.29	11648	0.007	-0.021	0.073	0.115	66.776292	-3.188767	353.92	-2406.26

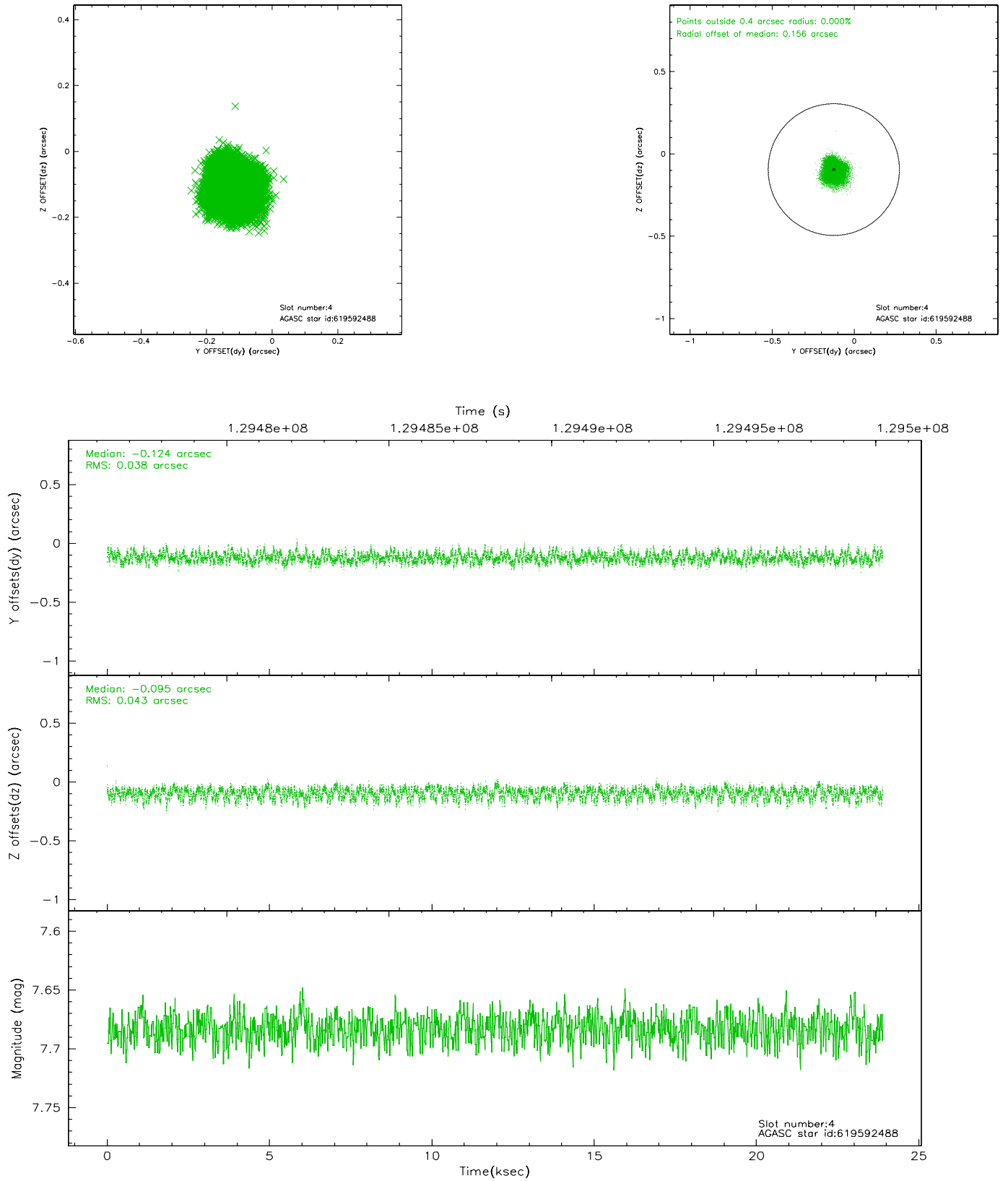


## 2.4 Star Slots

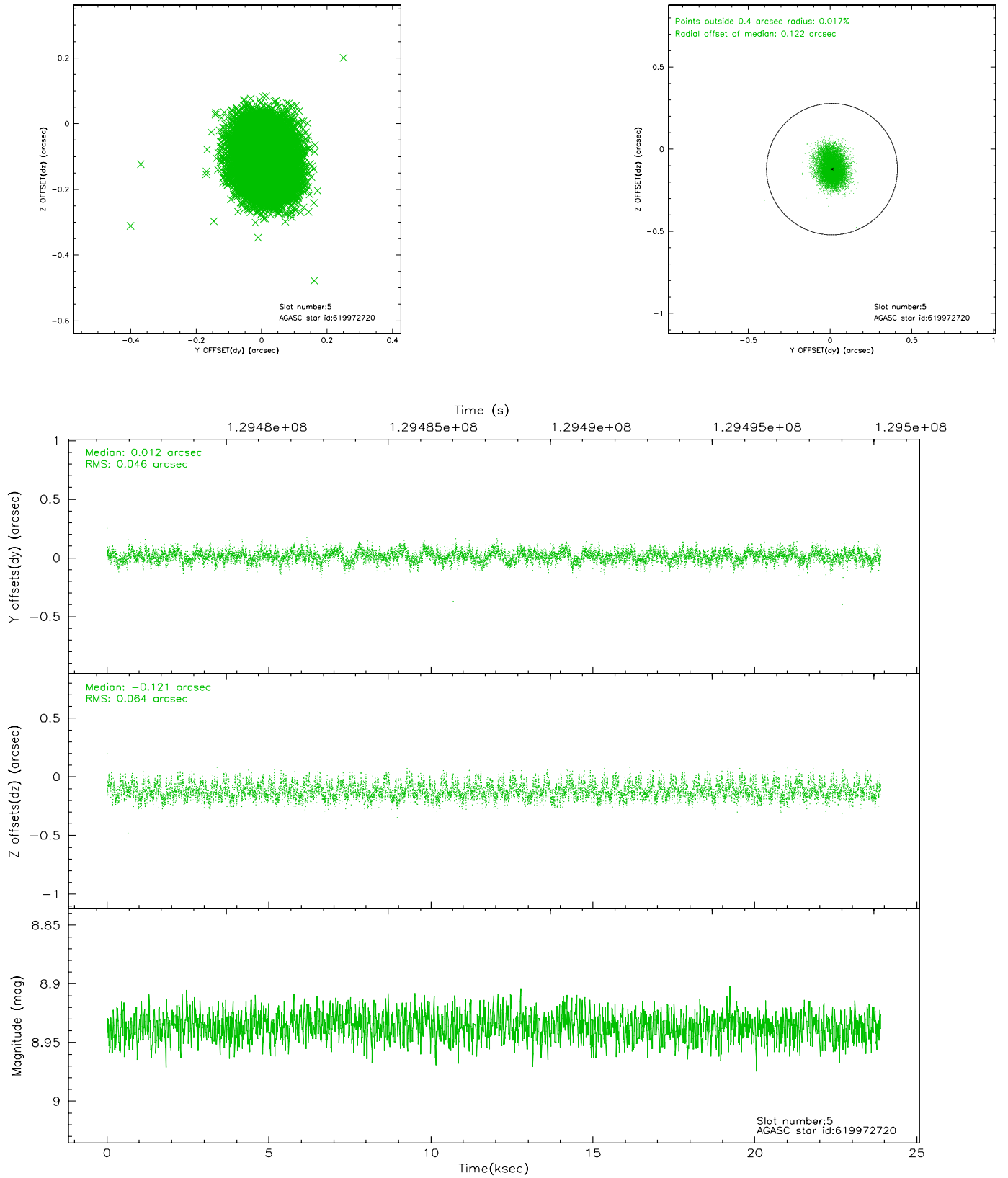
### 2.4.1 Slot 3



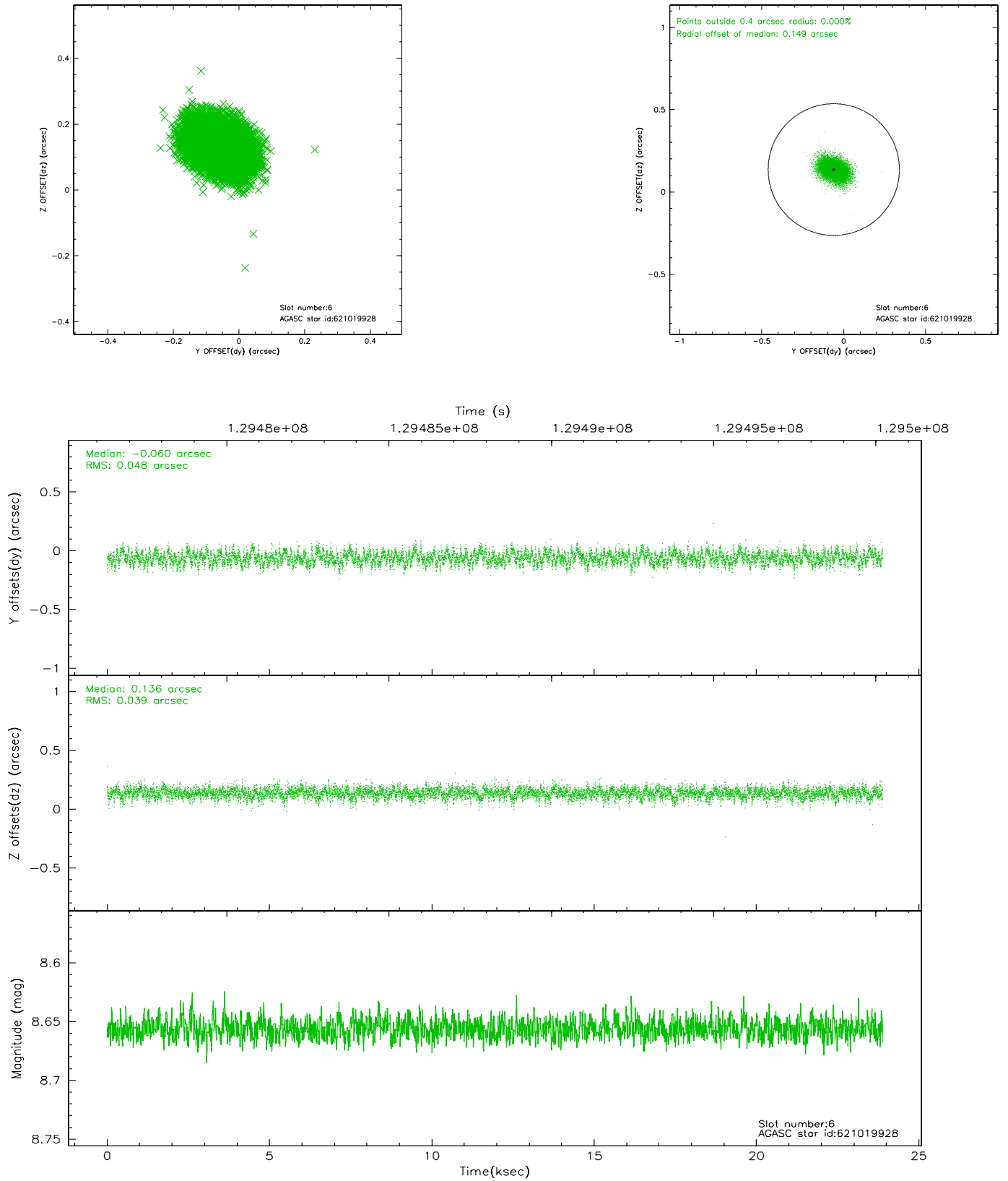
## 2.4.2 Slot 4



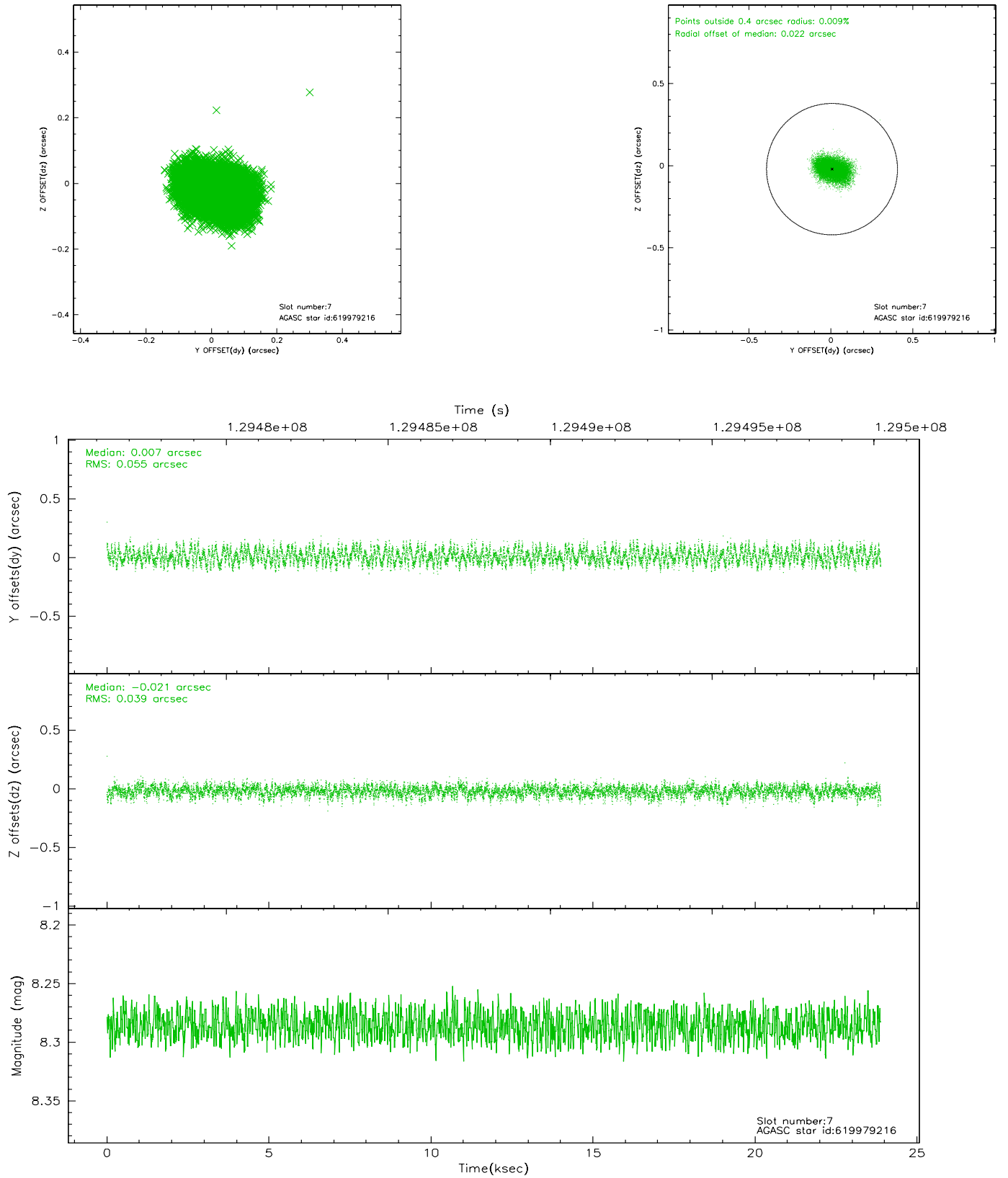
### 2.4.3 Slot 5



## 2.4.4 Slot 6

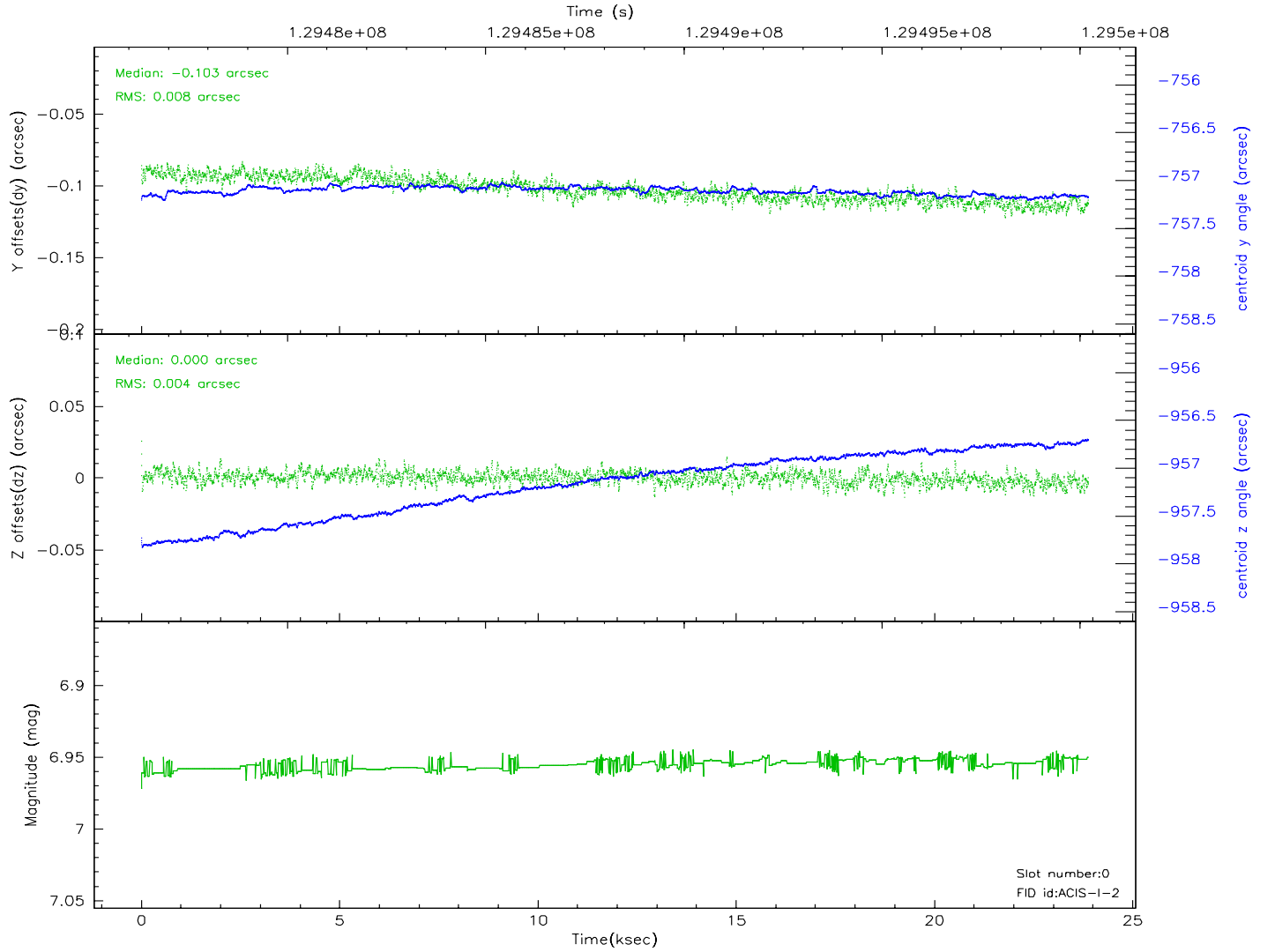
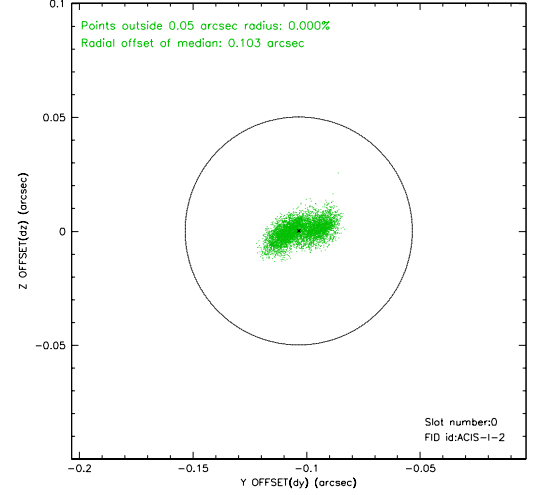
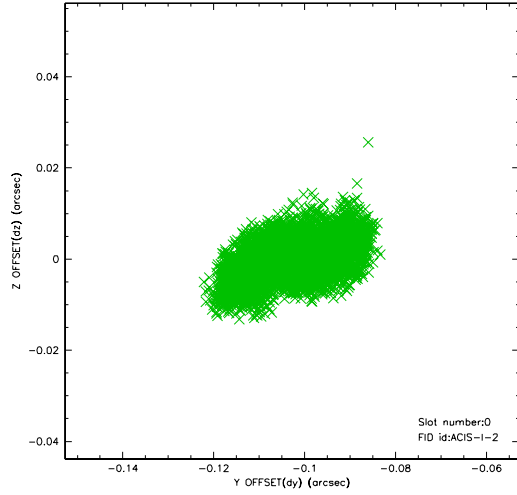


## 2.4.5 Slot 7

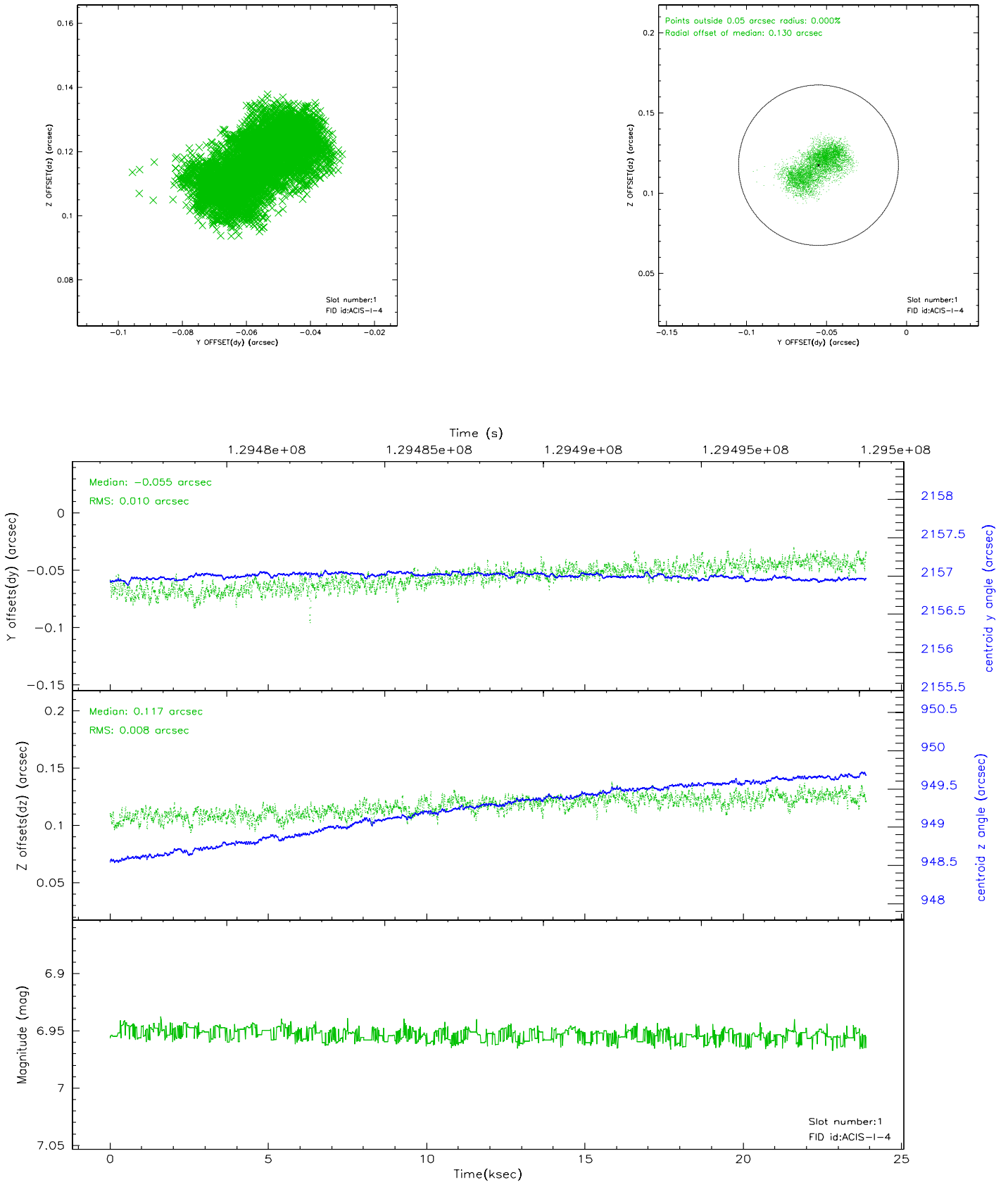


## 2.5 FID Slots

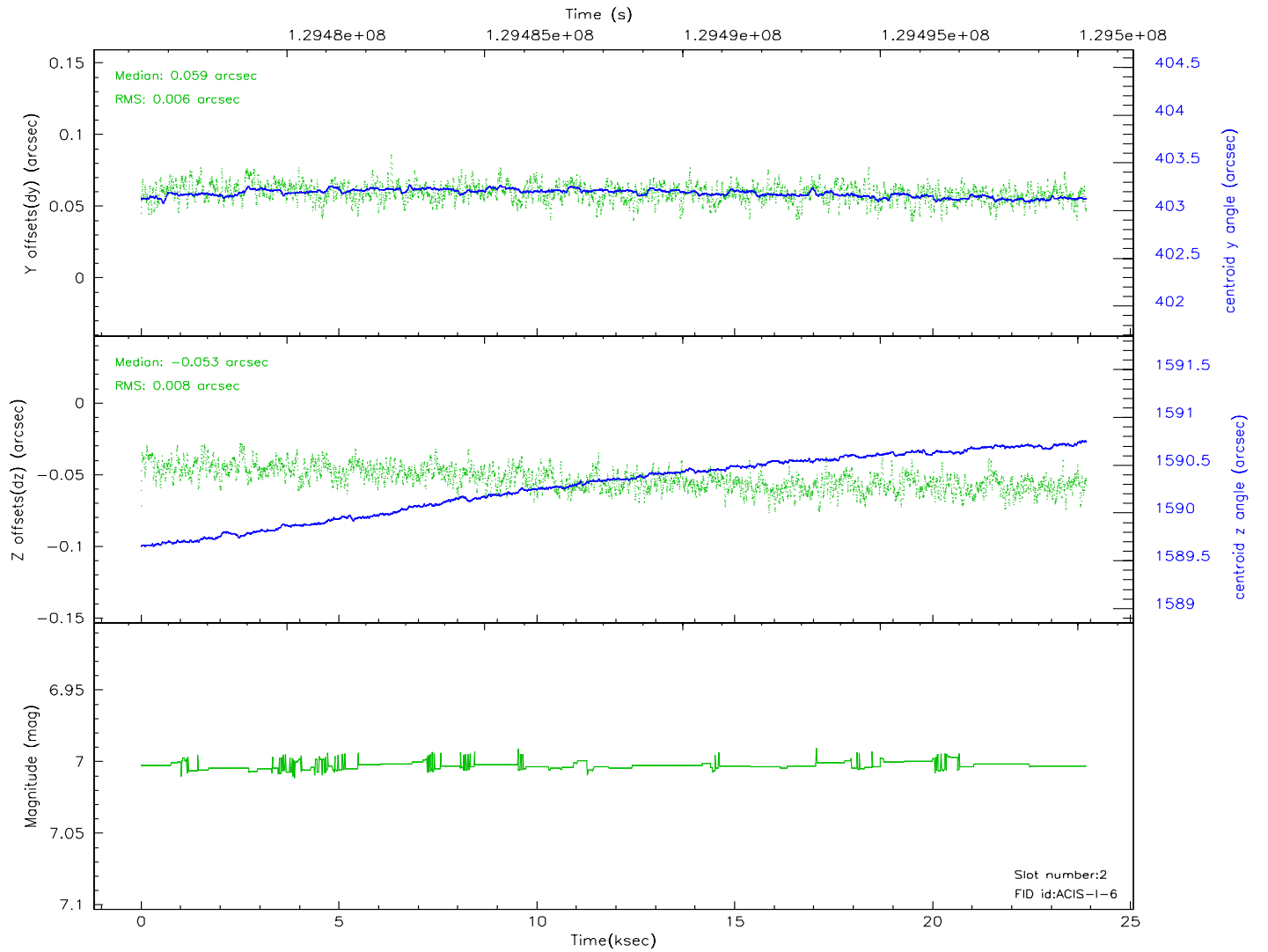
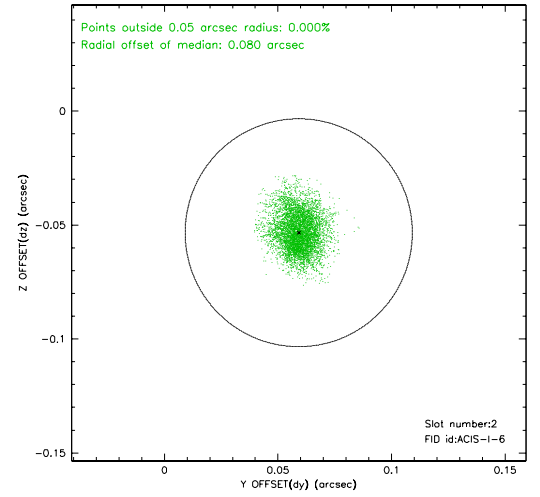
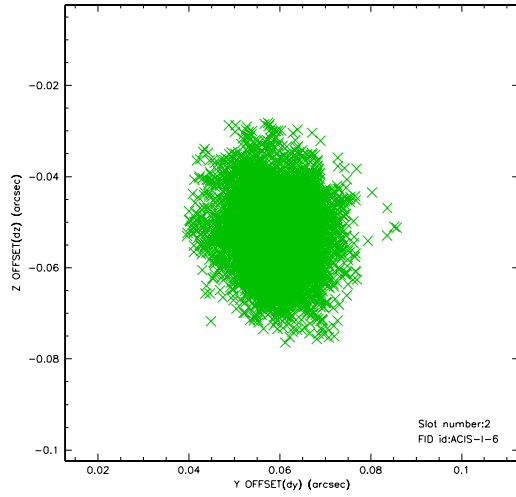
### 2.5.1 Slot 0



## 2.5.2 Slot 1

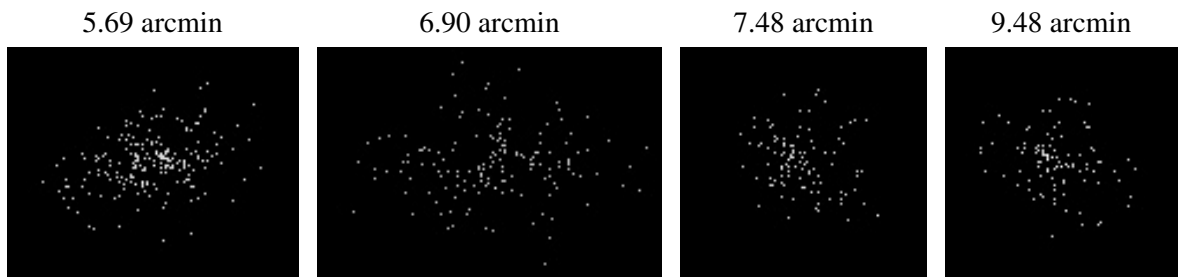


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.473

### A.2 Comments