

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4991 - L2 Version 001  
Chandra X-Ray Center

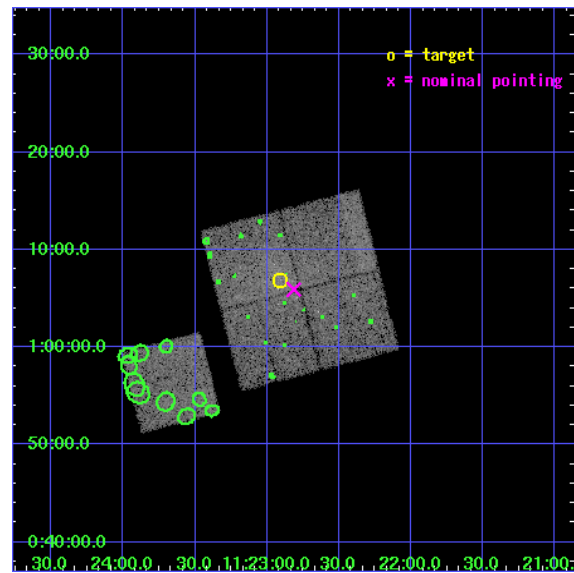
L2 Processing Date : May 27 2006

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# 1 Front

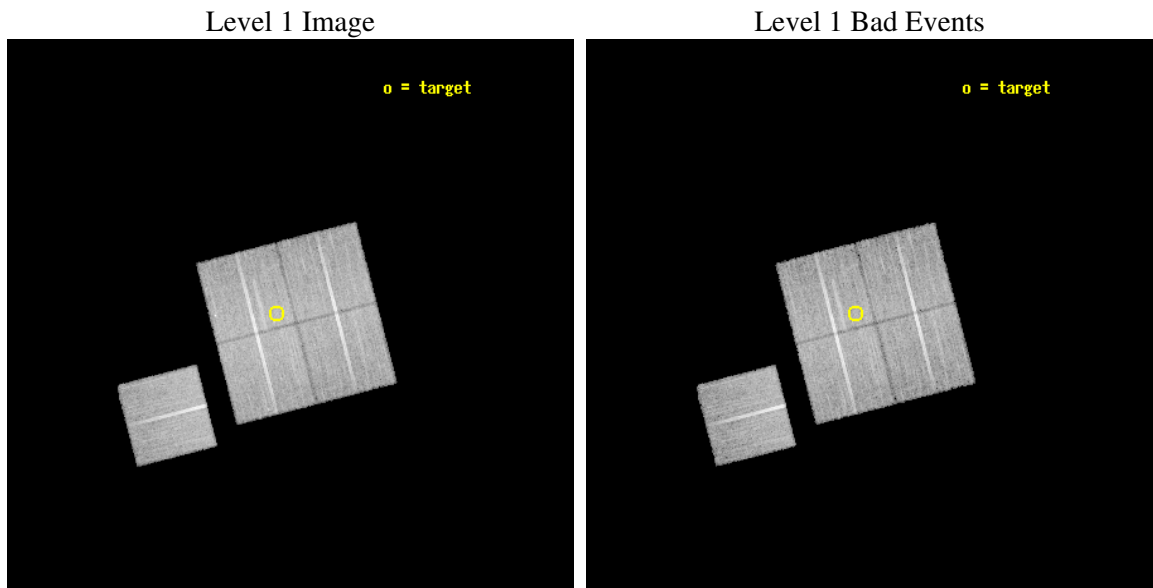
seq_num	800434
obs_id	4991
title	X-ray Properties of a Mass-Selected Group Catalogue: A Pilot Study
observer	Dr Richard Bower
object	2dF Selected Group
dtcycle	0
cycle	P
ra_targ	170.726667
dec_targ	1.114056
ra_nom	170.70351418663
dec_nom	1.0984961523367
roll_nom	255.5538113943
revision	3
ontime	22319.999957085
livetime	22028.3727259
ontime0	22316.858966917
ontime1	22313.717976689
ontime2	22316.858976871
ontime3	22319.999957085
ontime6	22319.999957085
l2events	70885



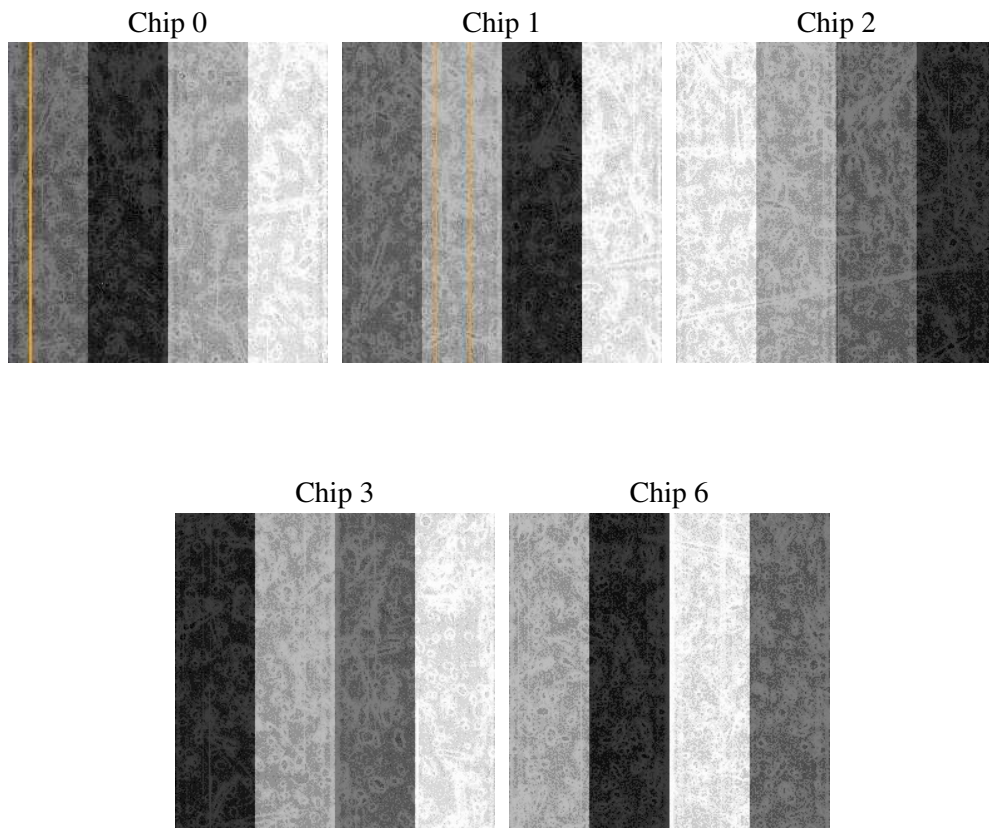
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-27T06:32:53
revision	3

sched_exp_time	22200.000000
ontime	22323.150300801
ontime0	22320.009310633
ontime1	22316.868300498
ontime2	22320.009320587
ontime3	22323.150300801
ontime6	22323.150300801
l1events	644452

### 2.1.4 Events

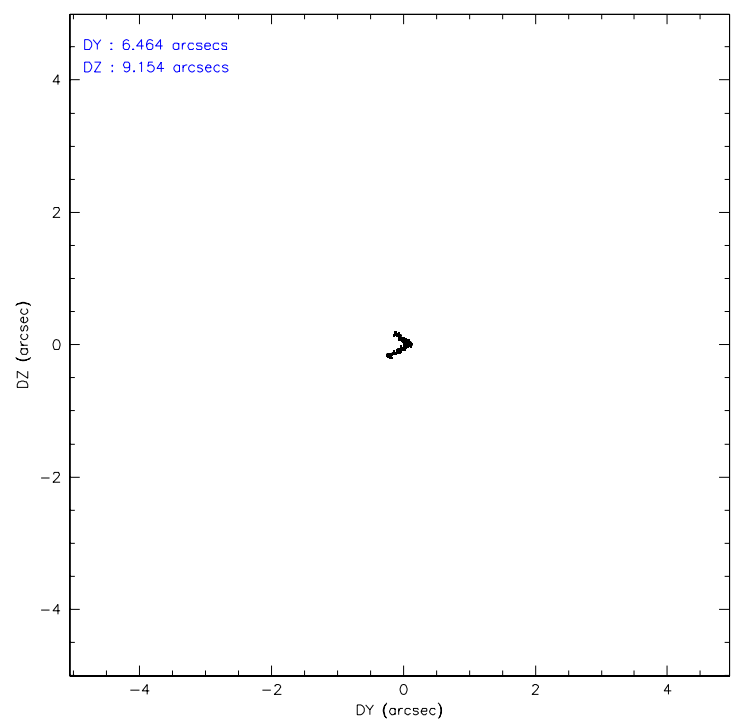
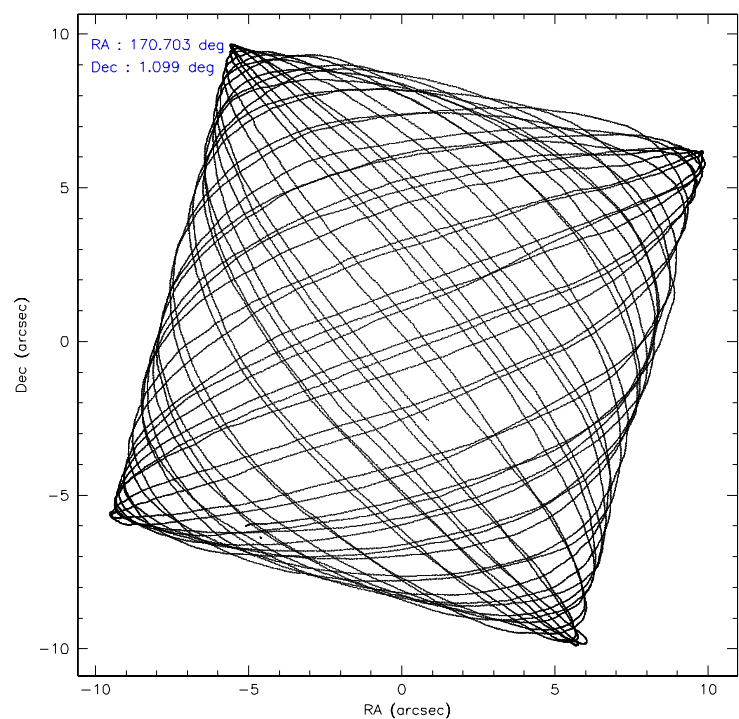
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	122203	123797	135723	133788	128941
rejected events	106439	106027	120018	116341	112953
rejected %	87%	85%	88%	86%	87%

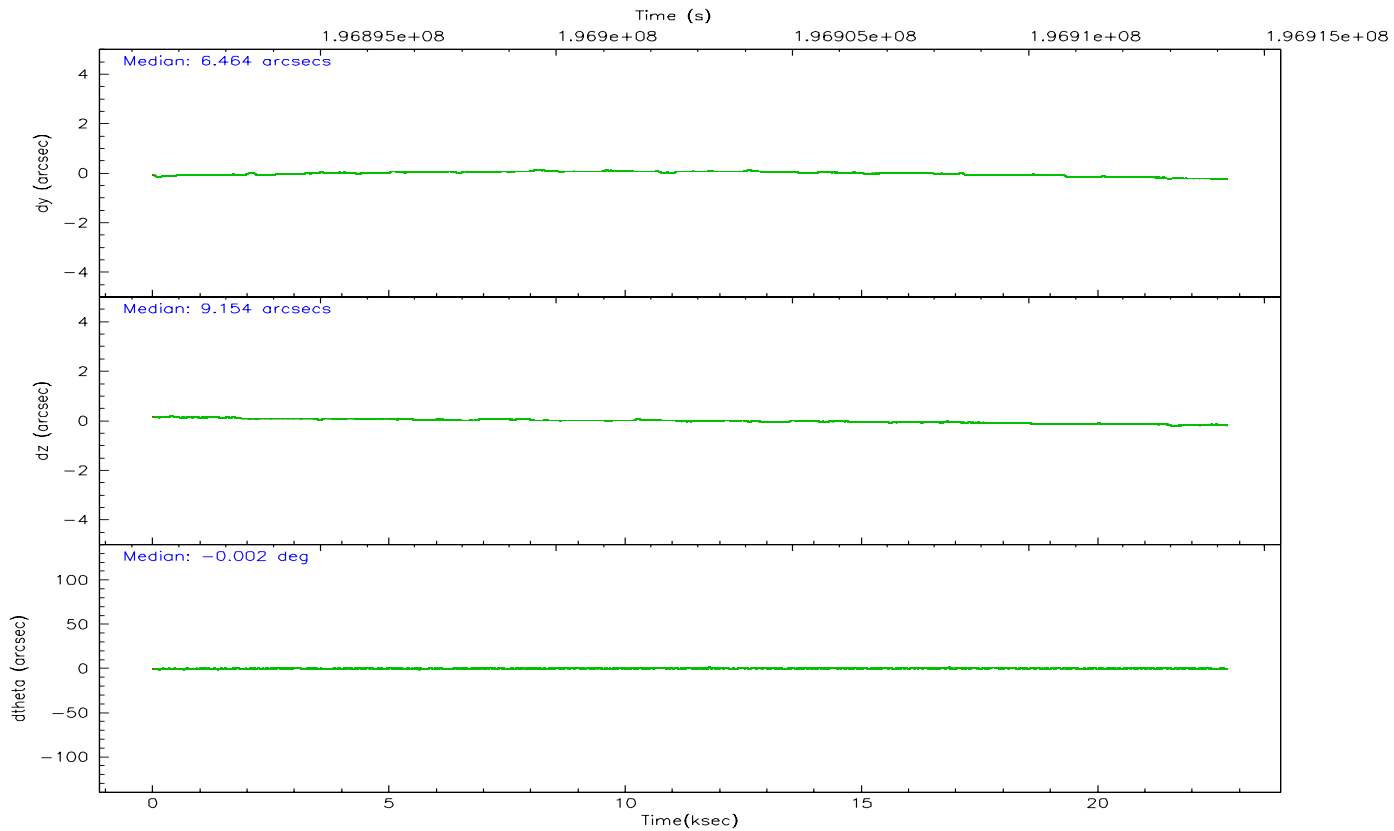
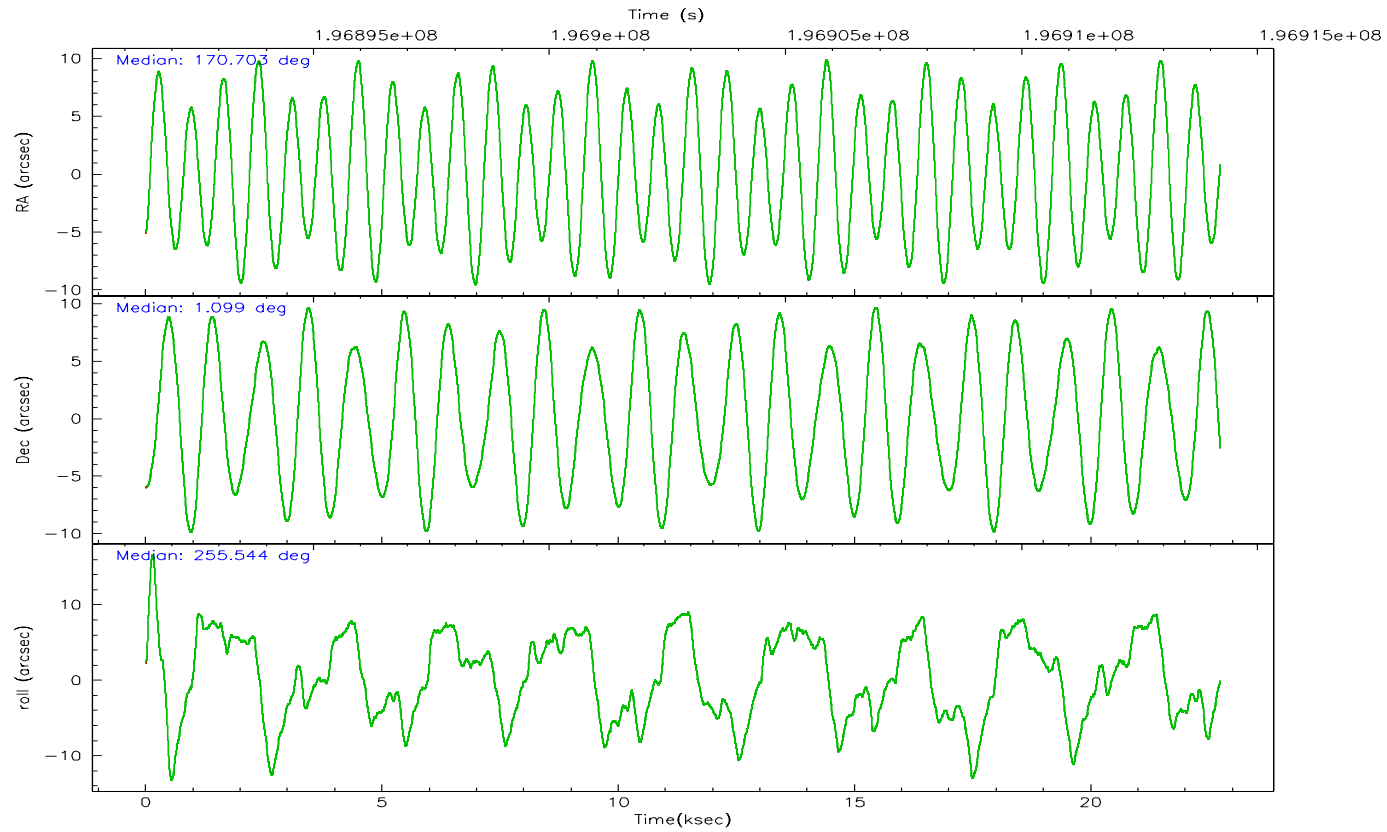
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6432	7722	6917	8293	6510
	5%	6%	5%	6%	5%
grade 1 events	71	70	70	99	57
	0%	0%	0%	0%	0%
grade 2 events	3408	3436	3151	3179	3090
	2%	2%	2%	2%	2%
grade 3 events	1632	1780	1602	1594	1569
	1%	1%	1%	1%	1%
grade 4 events	1506	1710	1474	1600	1645
	1%	1%	1%	1%	1%
grade 5 events	4666	4857	4310	5226	5090
	3%	3%	3%	3%	3%
grade 6 events	2788	3123	2562	2783	3177
	2%	2%	1%	2%	2%
grade 7 events	101700	101099	115637	111014	107803
	83%	81%	85%	82%	83%

## 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	170.696056	170.7035141866272	Alternating exposures requested	N	N
Pointing Dec	1.124822	1.098496152336737	Primary exposure time	0.000000	3.1
Pointing Roll	255.345266	255.5538113942976			
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	196892001.184000	196890865.01735			
Observation start date	2004-03-28T20:12:17	2004-03-28T19:54:25			
Observation end time	196914201.184000	196914416.44338			
Observation end date	2004-03-29T02:22:17	2004-03-29T02:26:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect



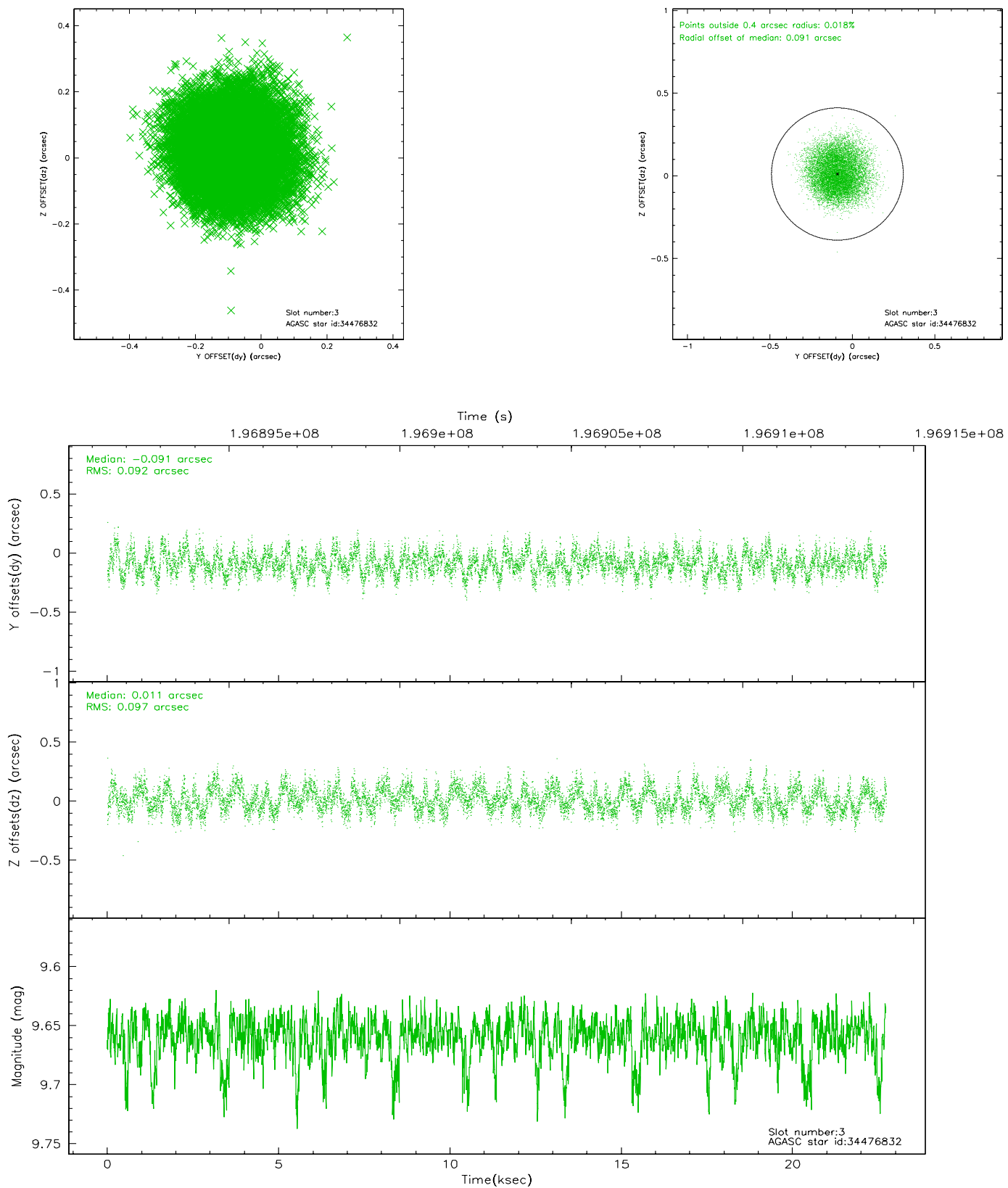


### Slot Statistics

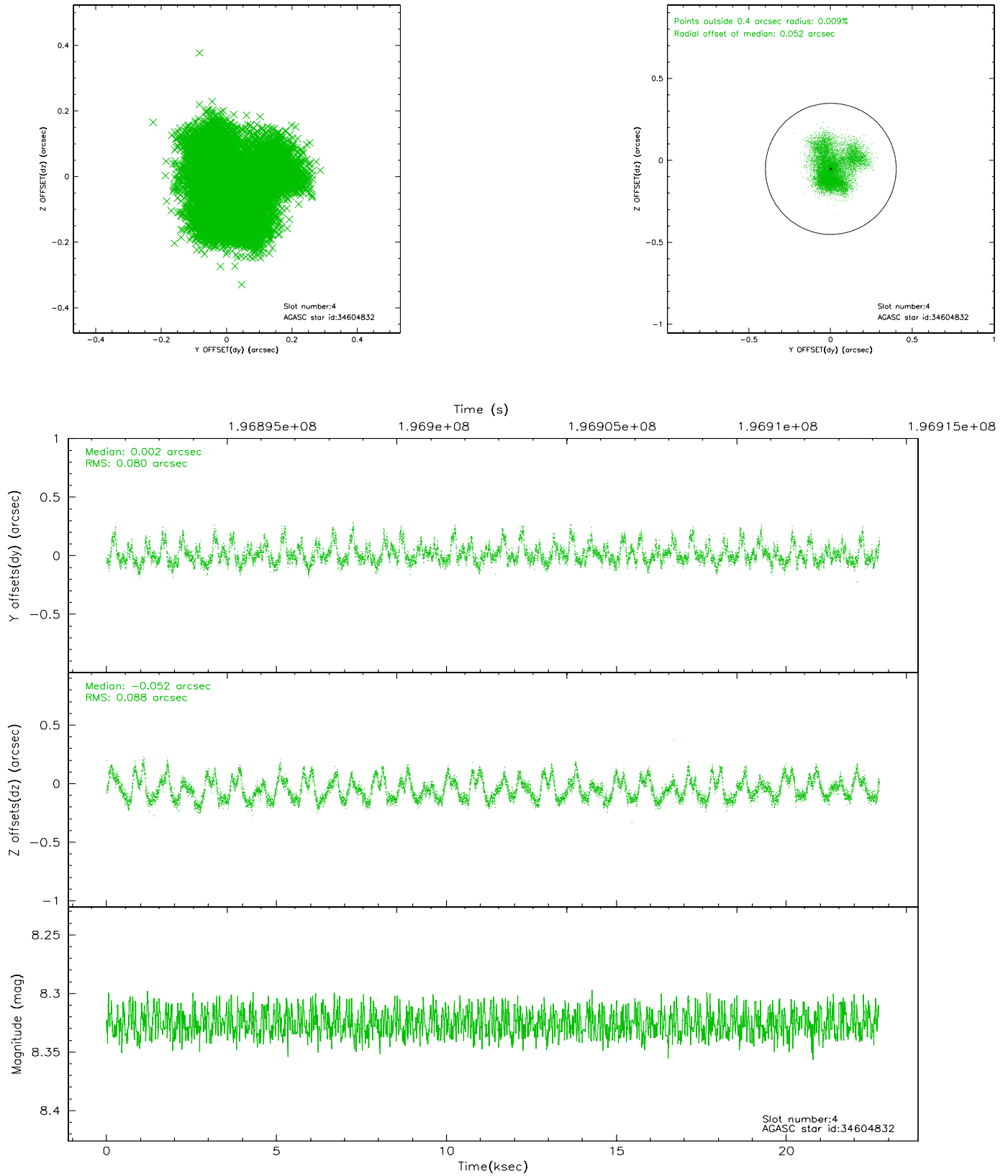
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	5546	-0.027	0.080	0.008	0.023	0.000000	0.000000	933.23	-832.51
1	FID	ACIS-I-5	7.23	5546	-0.106	0.020	0.009	0.025	0.000000	0.000000	-1814.89	1064.84
2	FID	ACIS-I-6	7.26	5545	0.043	-0.029	0.009	0.017	0.000000	0.000000	398.68	1709.46
3	GUIDE	34476832	9.66	11079	-0.091	0.011	0.146	0.221	169.983600	1.016249	1027.35	-2381.44
4	GUIDE	34604832	8.33	11090	0.002	-0.052	0.128	0.203	171.211441	1.245888	-891.01	1684.30
5	GUIDE	34605648	9.03	11090	-0.003	0.066	0.133	0.225	170.878184	0.460021	2149.62	1240.93
6	GUIDE	34611712	10.70	10910	-0.010	0.055	0.420	0.611	170.204935	1.697997	-1548.59	-2231.66
7	GUIDE	34480152	10.36	10976	0.085	-0.079	0.177	0.289	169.924019	0.878626	1560.97	-2464.12

## 2.4 Star Slots

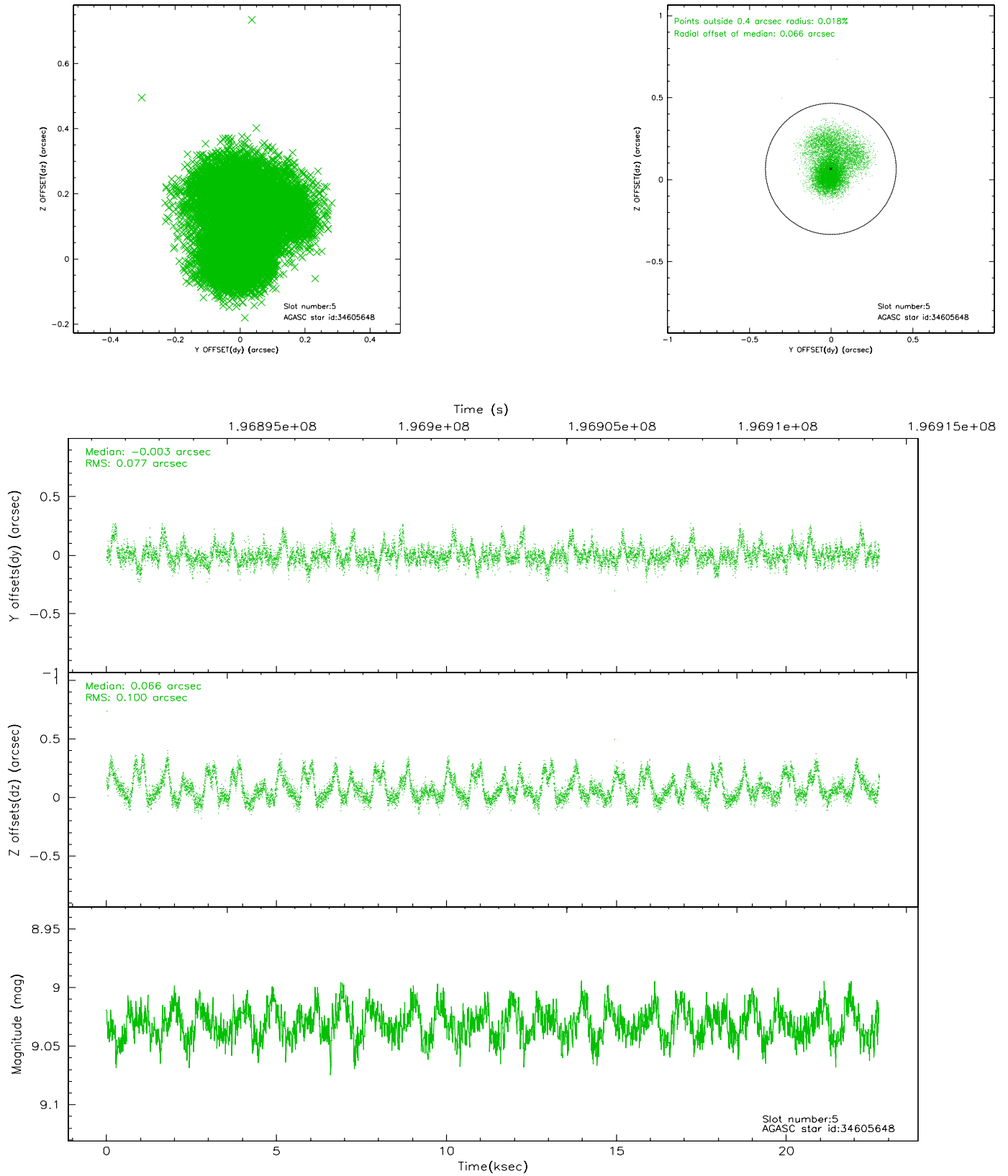
### 2.4.1 Slot 3



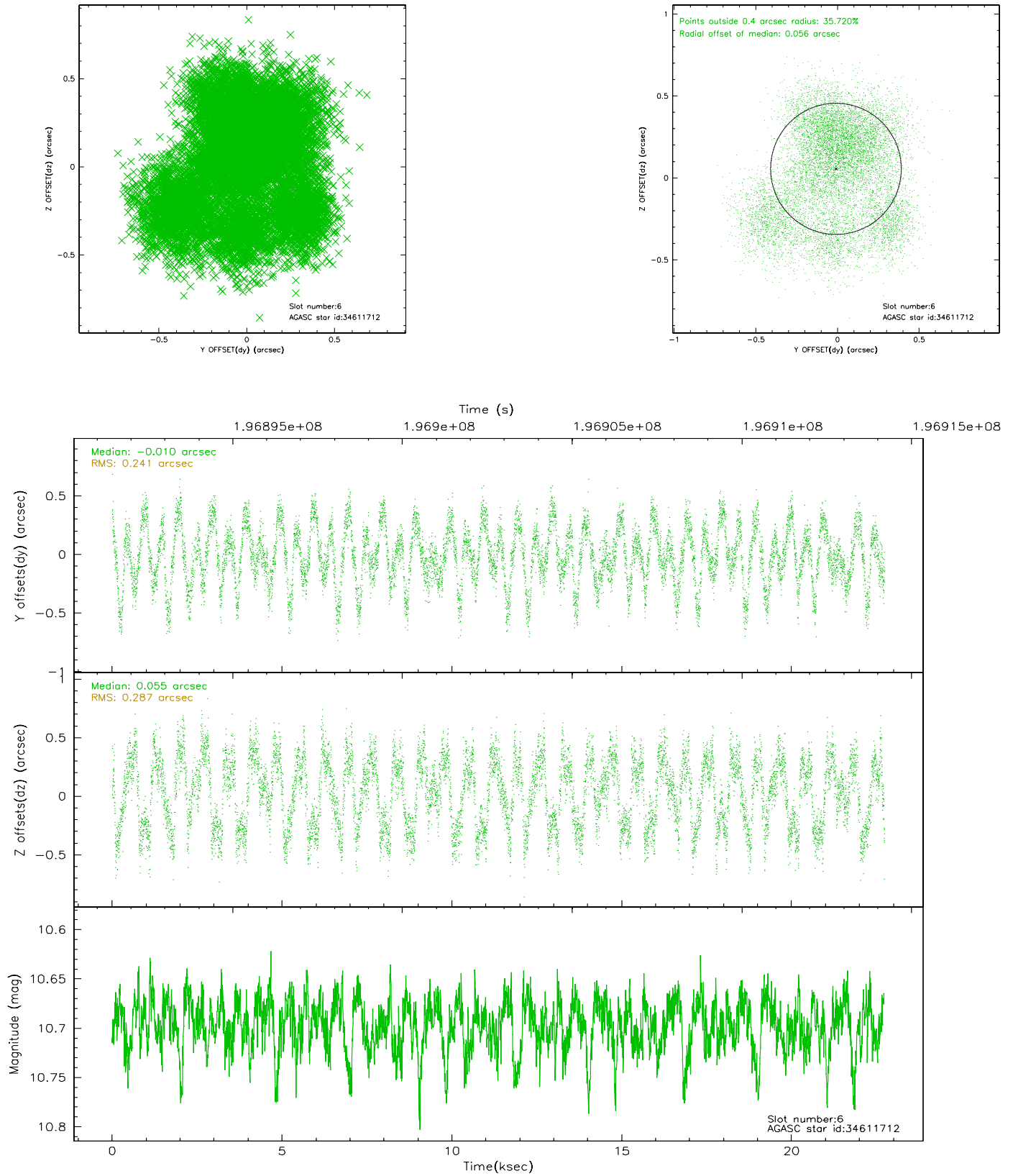
## 2.4.2 Slot 4



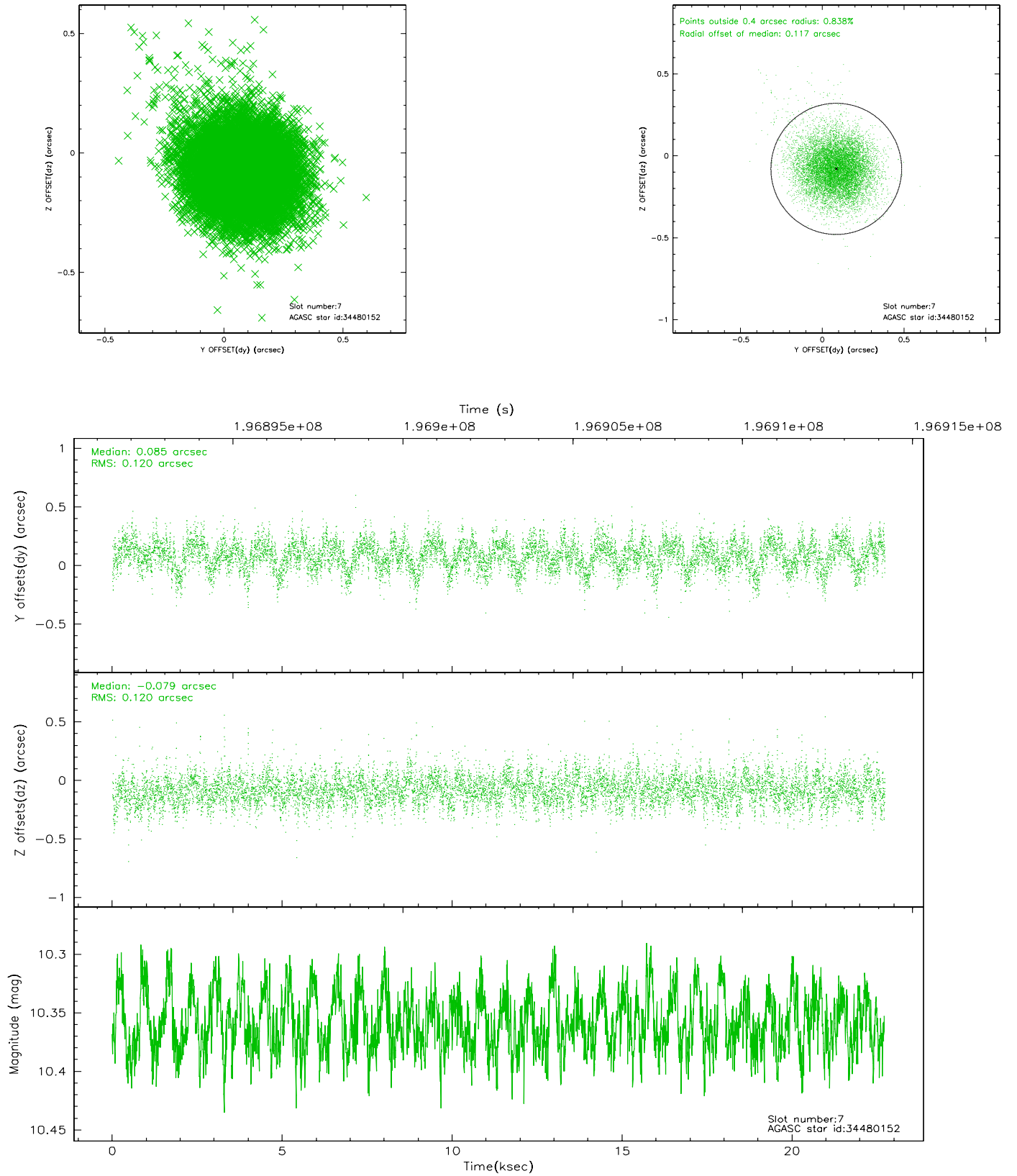
### 2.4.3 Slot 5



## 2.4.4 Slot 6

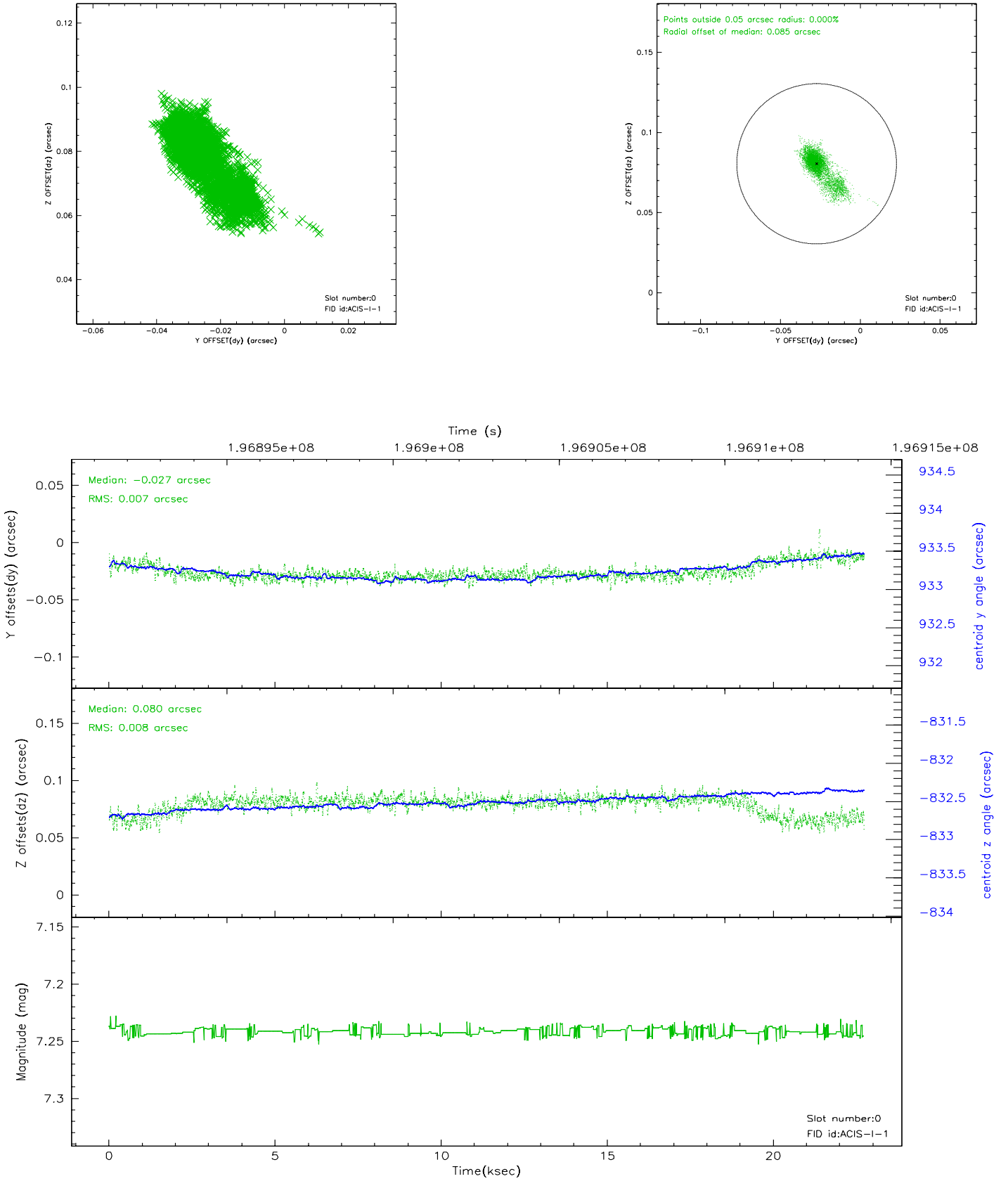


## 2.4.5 Slot 7

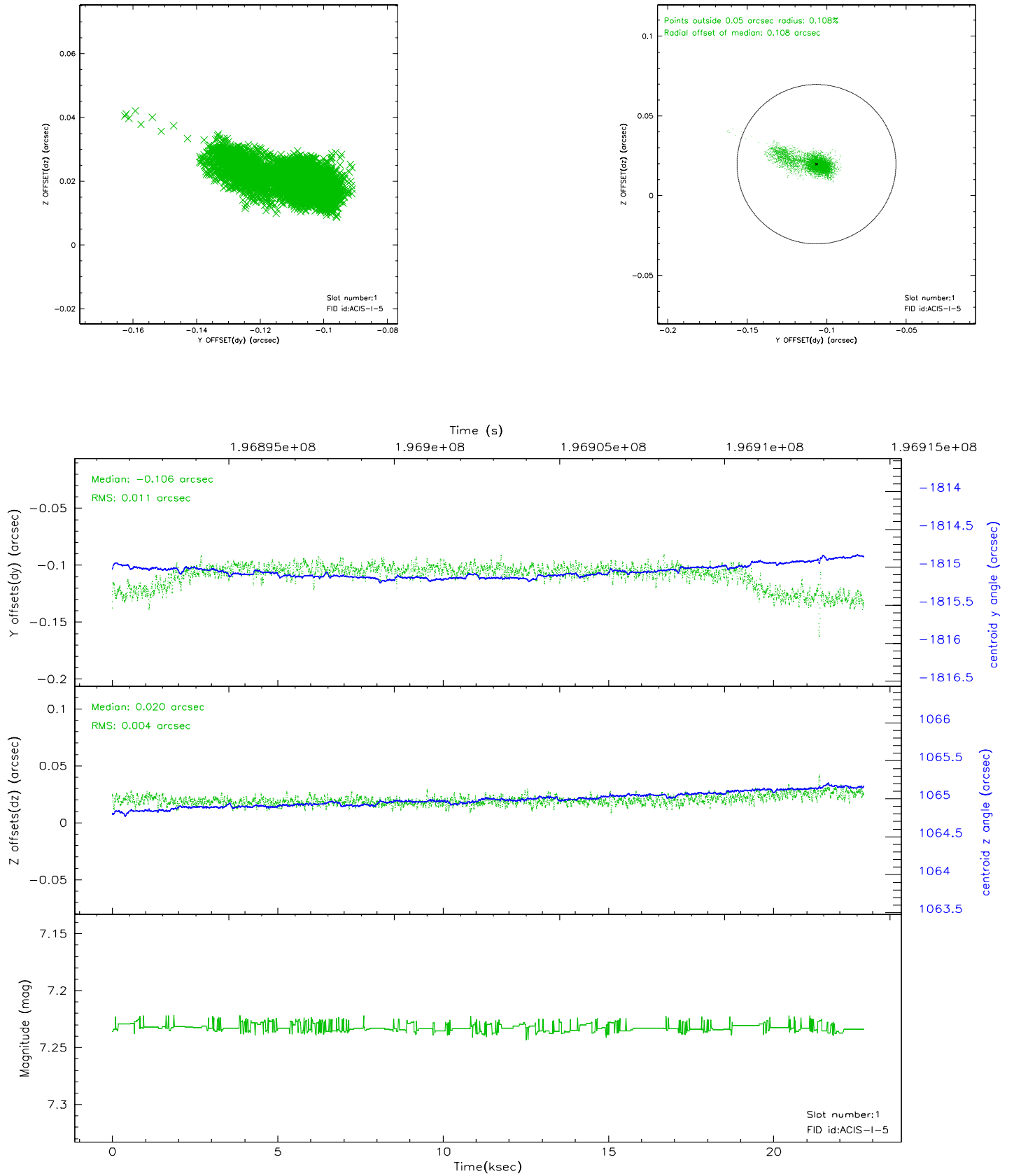


## 2.5 FID Slots

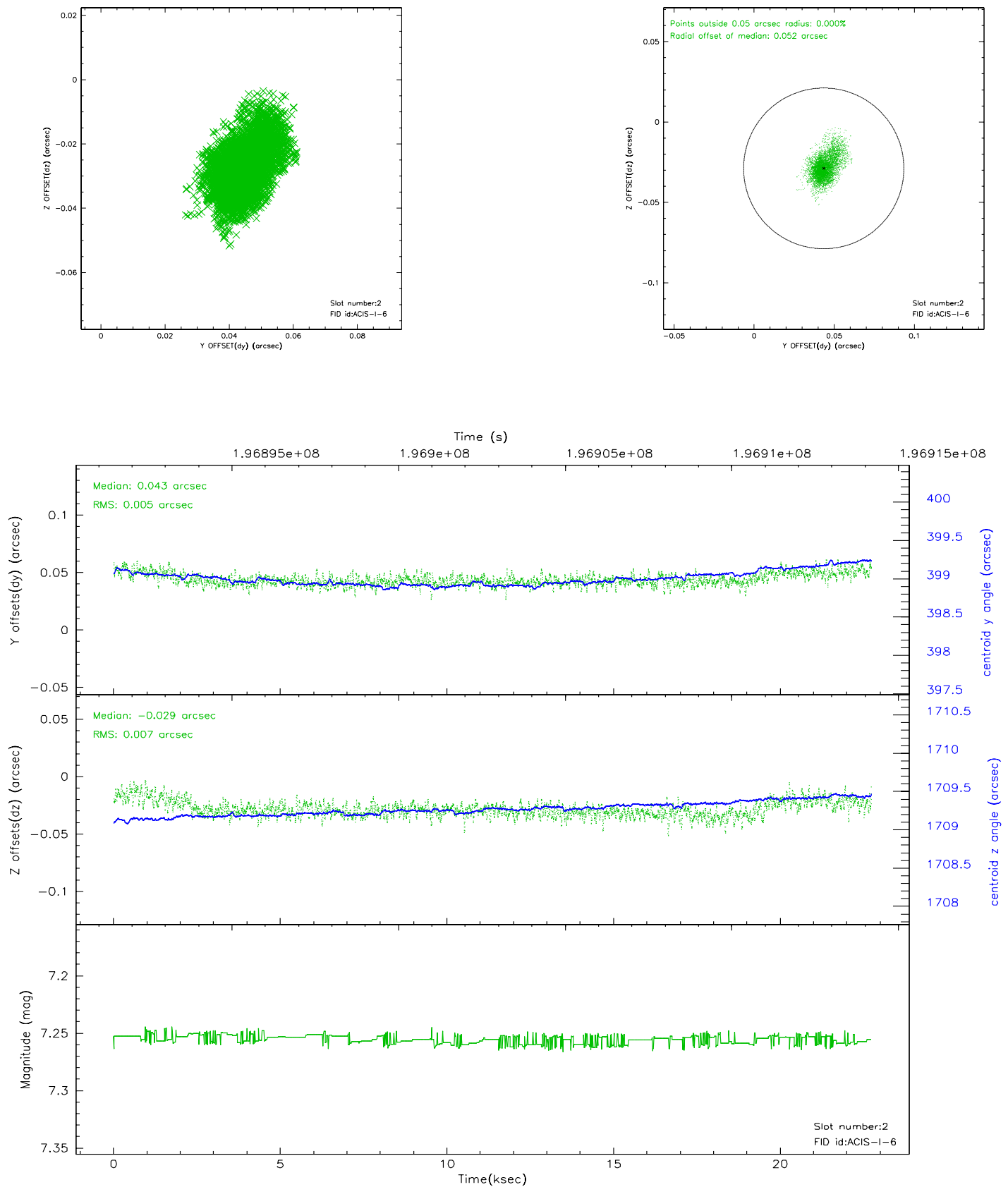
### 2.5.1 Slot 0



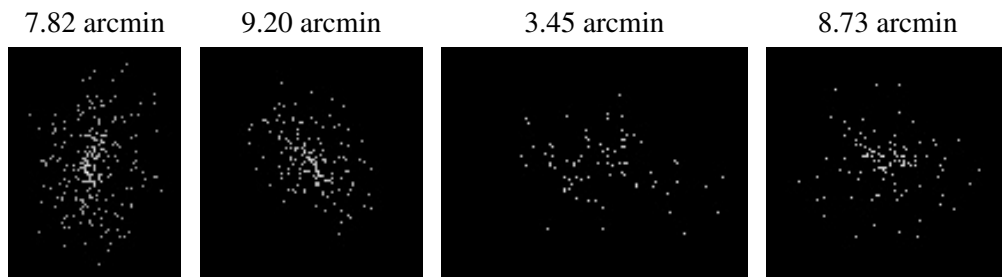
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.319

## A.2 Comments

Comments for Obi 0

Star in slot 6 has an RMS deviation > 0.200000 arcsec

Slot 6 is within aspect spec.