

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5001 - L2 Version 002  
Chandra X-Ray Center

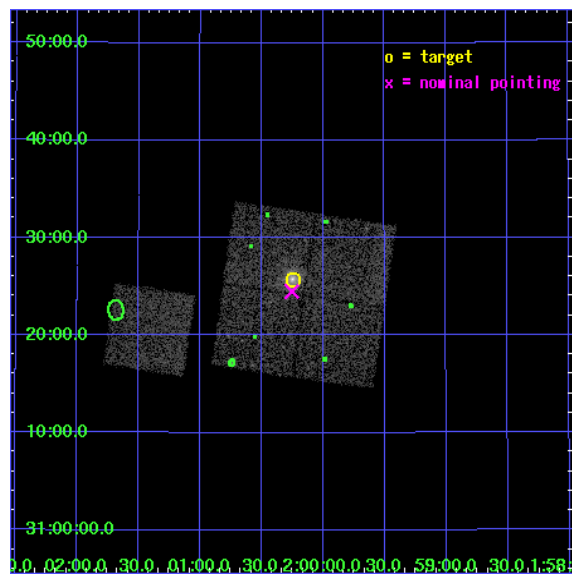
L2 Processing Date : Apr 7 2006

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# 1 Front

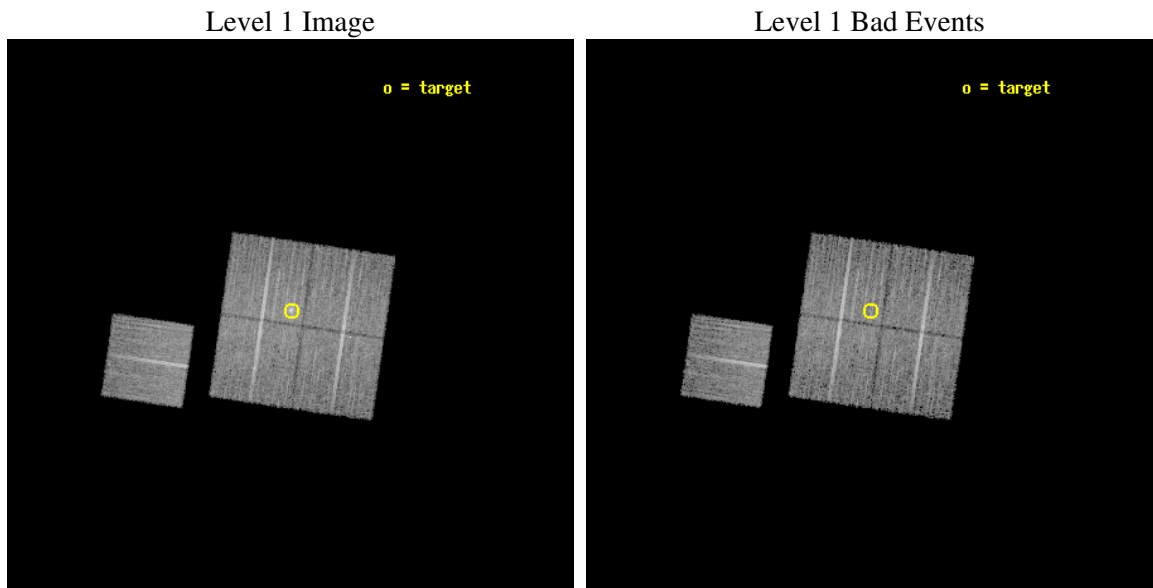
seq_num	800444
obs_id	5001
title	Study of Candidate 'Fossil Groups
observer	Dr. Stephen Murray
object	NGC777
dtcycle	0
cycle	P
ra_targ	30.062083
dec_targ	31.429444
ra_nom	30.063474652279
dec_nom	31.408474635868
roll_nom	278.34056800041
revision	2
ontime	10167.99998045
livetime	10035.147575132
ontime0	10164.8590101
ontime1	10167.99998045
ontime2	10167.99998045
ontime3	10167.99998045
ontime6	10161.717990071
l2events	31307



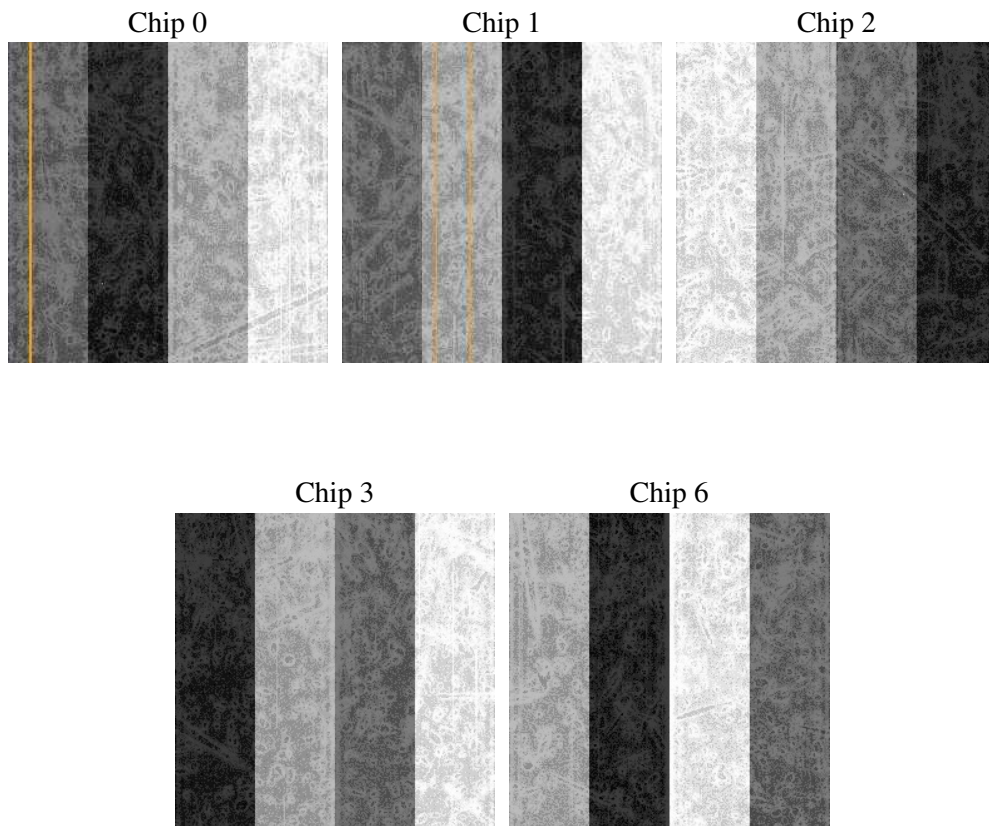
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	3
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-07T10:10:06
revision	2

sched_exp_time	10120.000000
ontime	10173.740018517
ontime0	10170.599038243
ontime1	10173.740018517
ontime2	10173.740008593
ontime3	10173.740018517
ontime6	10167.458028138
llevents	347370

### 2.1.4 Events

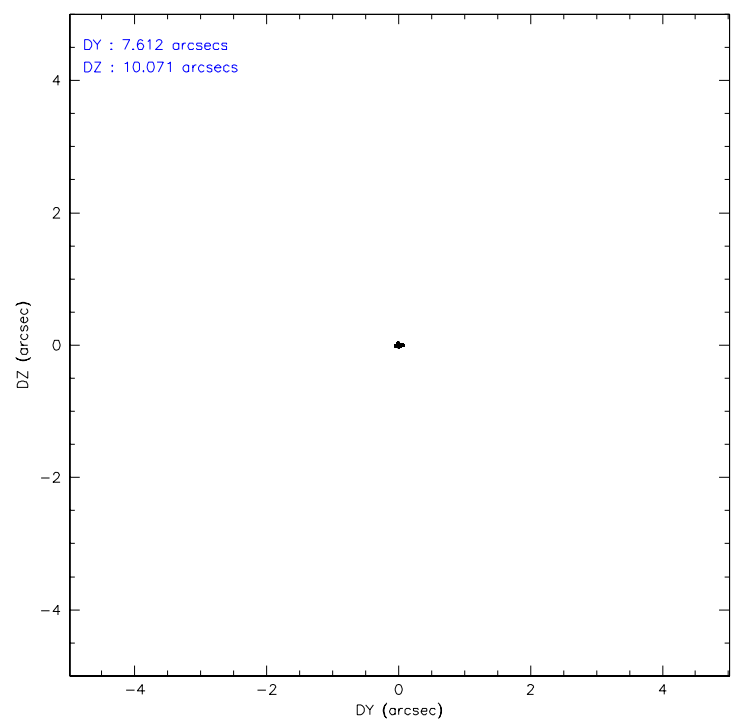
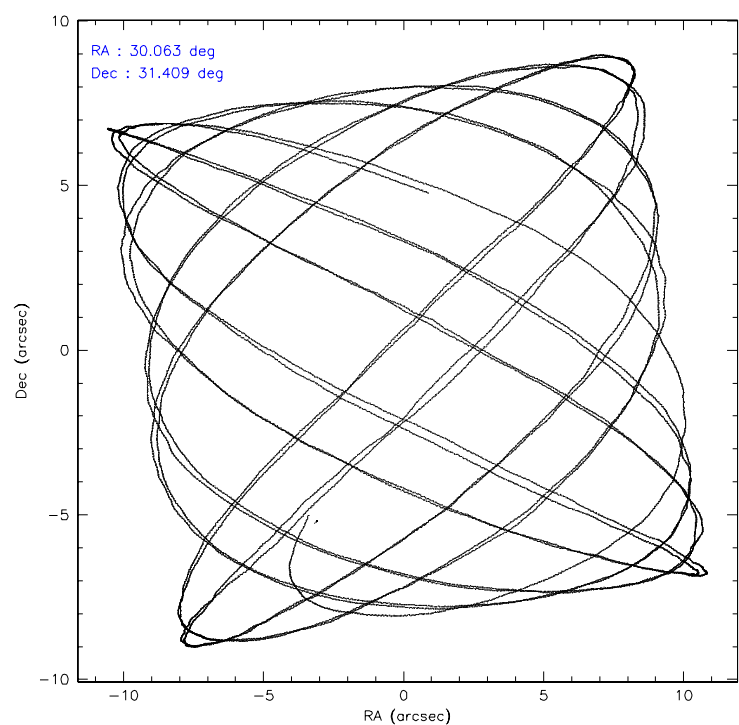
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	64087	66793	72169	73666	70655
rejected events	57353	59345	65287	64433	63945
rejected %	89%	88%	90%	87%	90%

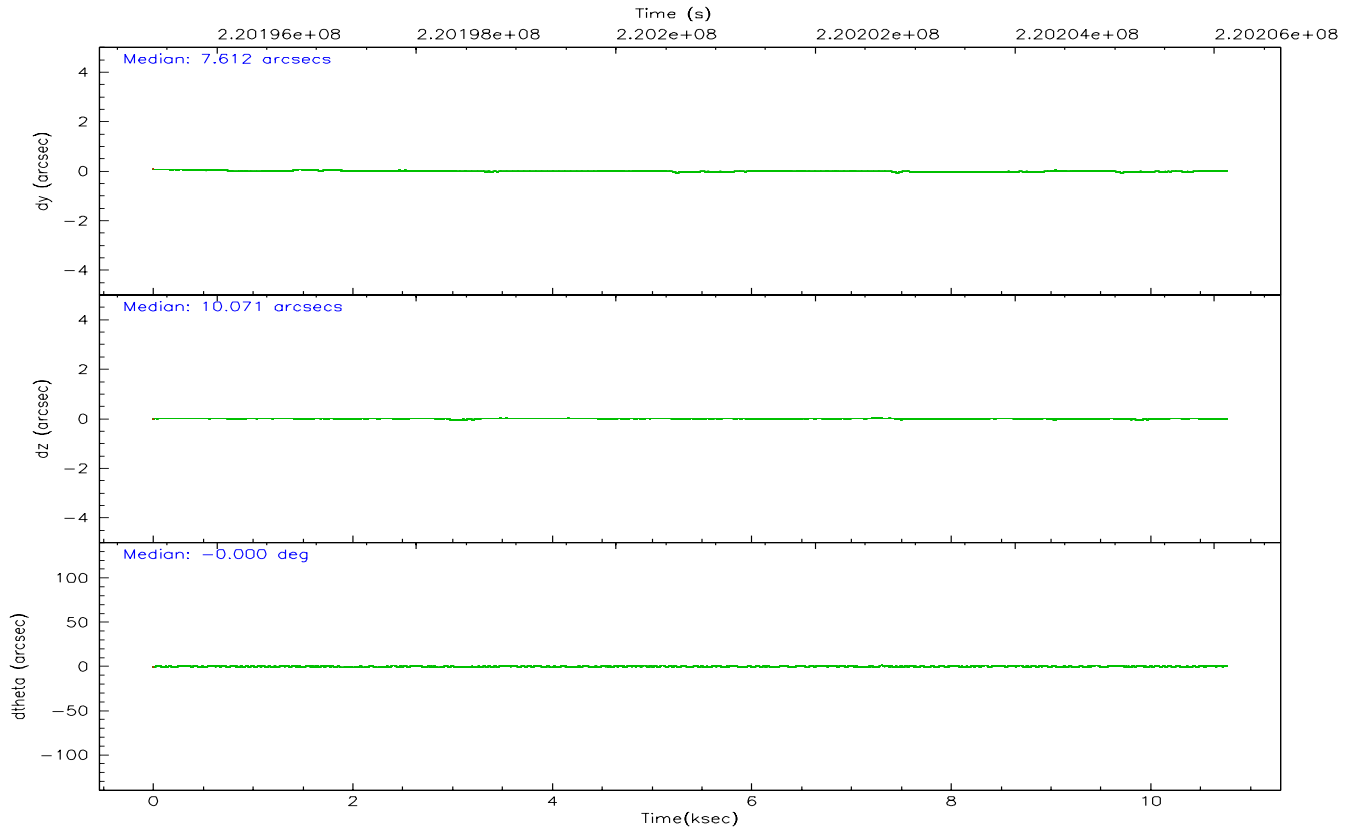
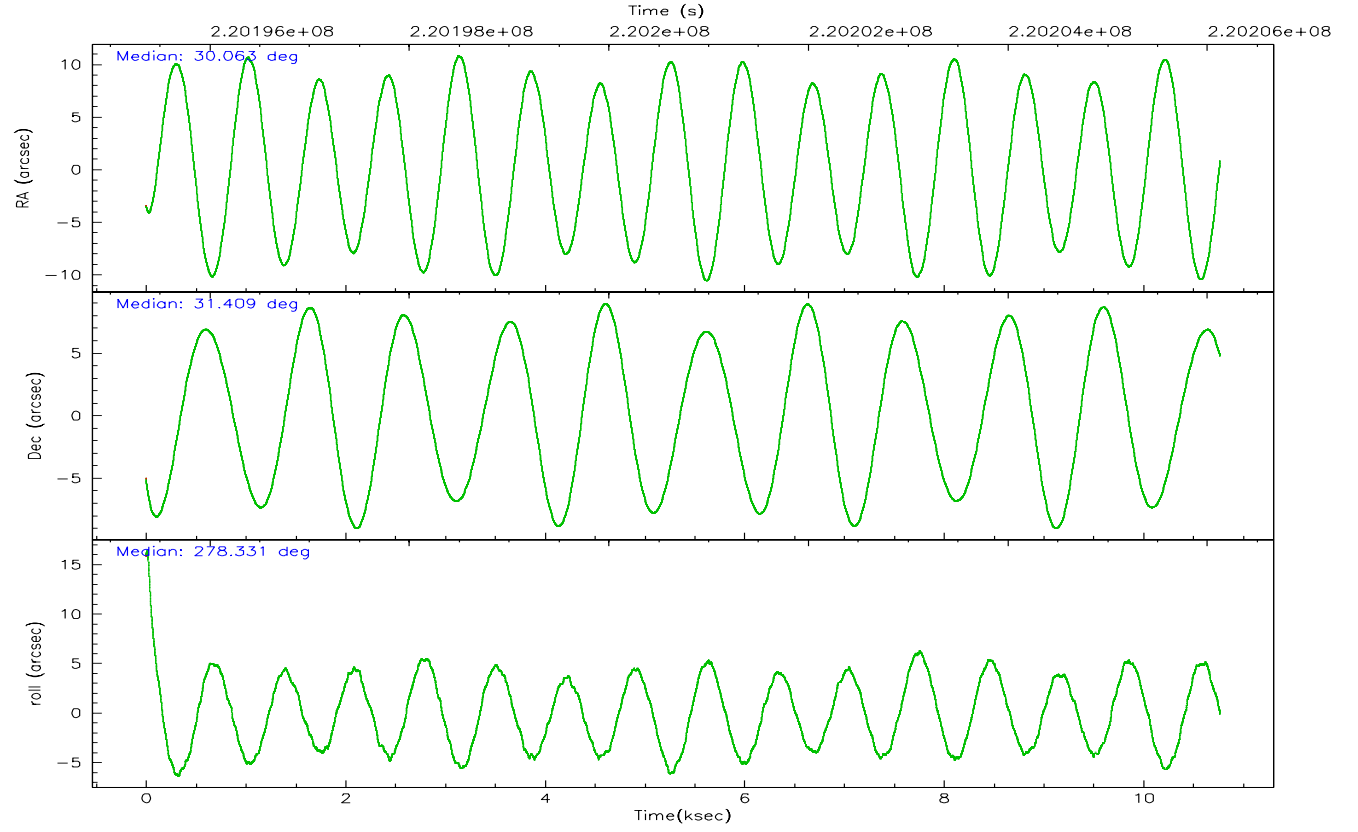
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2439	2661	2647	4805	2270
	3%	3%	3%	6%	3%
grade 1 events	26	29	46	52	47
	0%	0%	0%	0%	0%
grade 2 events	1567	1629	1554	1551	1439
	2%	2%	2%	2%	2%
grade 3 events	757	868	751	812	787
	1%	1%	1%	1%	1%
grade 4 events	738	813	752	758	740
	1%	1%	1%	1%	1%
grade 5 events	2322	2506	2250	2732	2531
	3%	3%	3%	3%	3%
grade 6 events	1234	1481	1182	1317	1475
	1%	2%	1%	1%	2%
grade 7 events	55004	56806	62987	61639	61366
	85%	85%	87%	83%	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	30.043469	30.06347465227928	Alternating exposures requested	N	N
Pointing Dec	31.429864	31.4084746358682	Primary exposure time	0.000000	3.1
Pointing Roll	278.142300	278.3405680004059			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-231.592463	-231.5986110572947			
SIM translation stage offset (mm)	-2	-1.993841945634955			
Observation start time	220196007.184000	220194845.29162			
Observation start date	2004-12-23T13:32:23	2004-12-23T13:14:05			
Observation end time	220206127.184000	220207004.35466			
Observation end date	2004-12-23T16:21:03	2004-12-23T16:36:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect





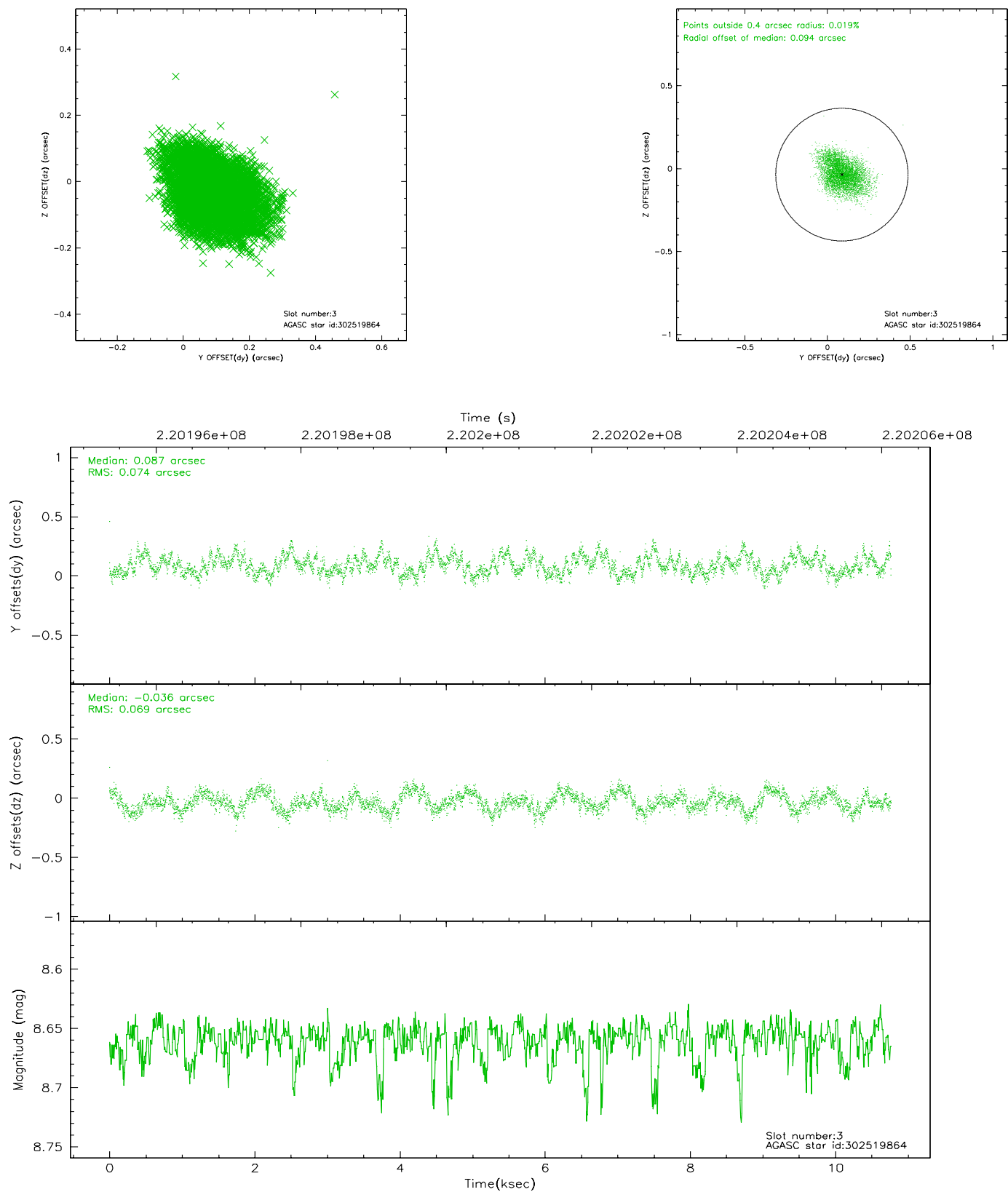
### Slot Statistics

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	2628	0.019	0.004	0.007	0.012	0.000000	0.000000	932.01	-874.42
1	FID	ACIS-I-5	7.23	2627	-0.170	0.036	0.006	0.011	0.000000	0.000000	-1815.97	1022.92
2	FID	ACIS-I-6	7.25	2628	0.059	0.030	0.007	0.011	0.000000	0.000000	397.14	1667.91
3	GUIDE	302519864	8.66	5255	0.087	-0.036	0.109	0.172	29.441810	30.896773	1632.35	-2110.46
4	GUIDE	302521200	8.82	5254	0.252	-0.056	0.072	0.117	30.130226	31.340144	358.28	218.27
5	GUIDE	303046760	7.81	5254	-0.248	0.123	0.058	0.094	30.439087	32.121351	-2295.72	1547.15
6	GUIDE	302522088	8.10	5255	-0.042	0.028	0.070	0.111	29.299958	31.063034	975.19	-2454.84
7	GUIDE	302524496	8.42	5253	-0.049	-0.058	0.071	0.116	29.343712	31.470012	-453.33	-2105.80

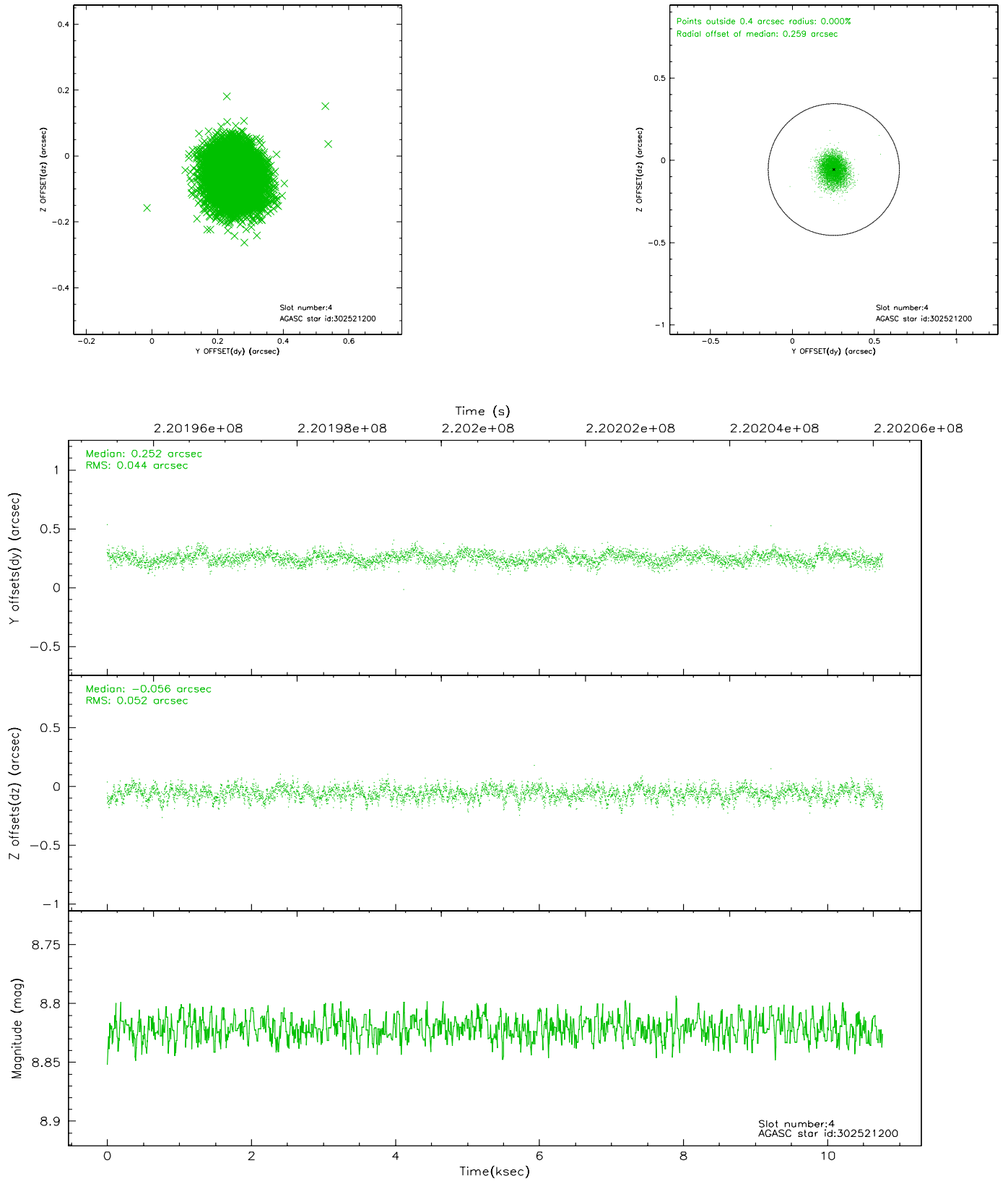


## 2.4 Star Slots

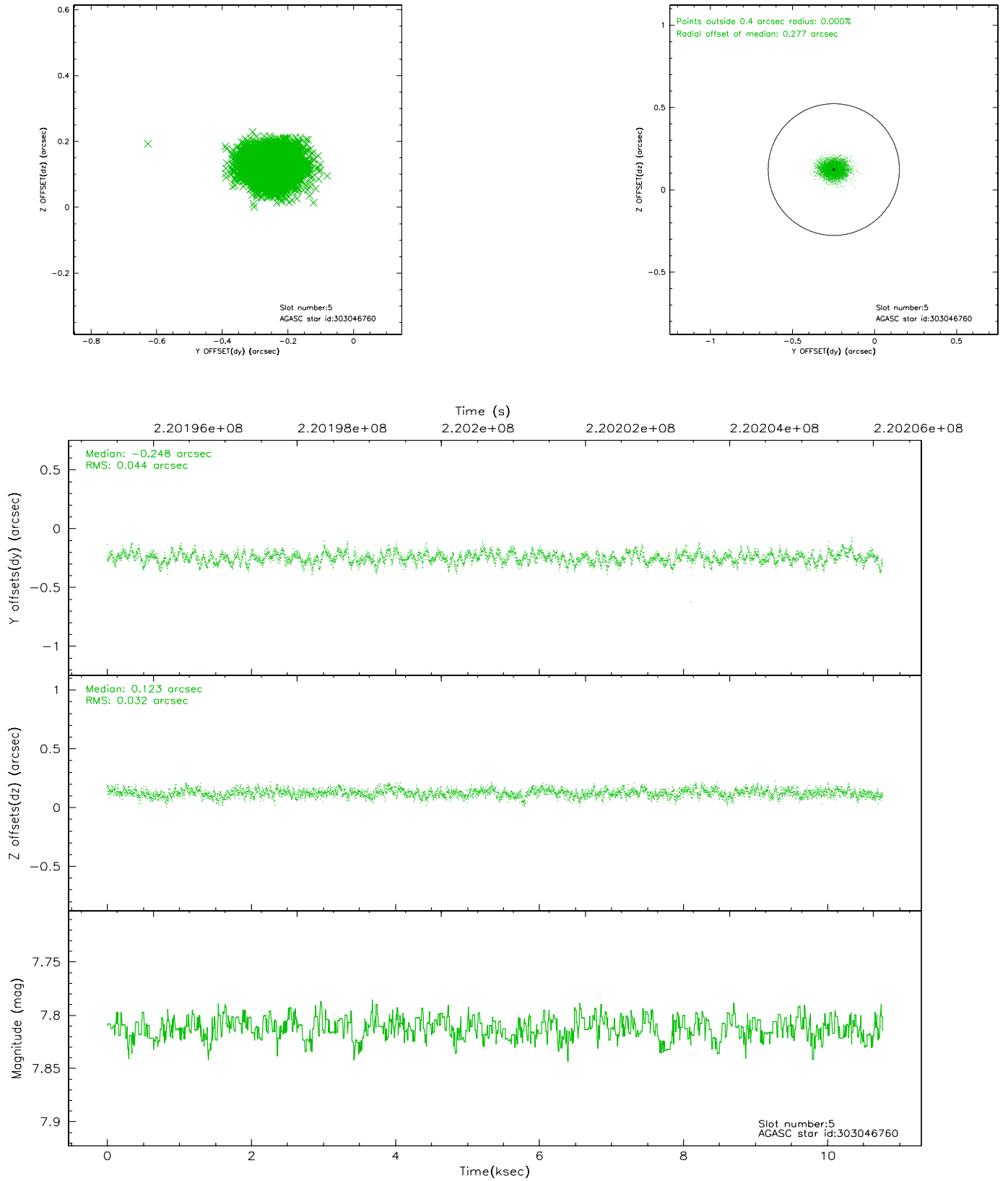
### 2.4.1 Slot 3



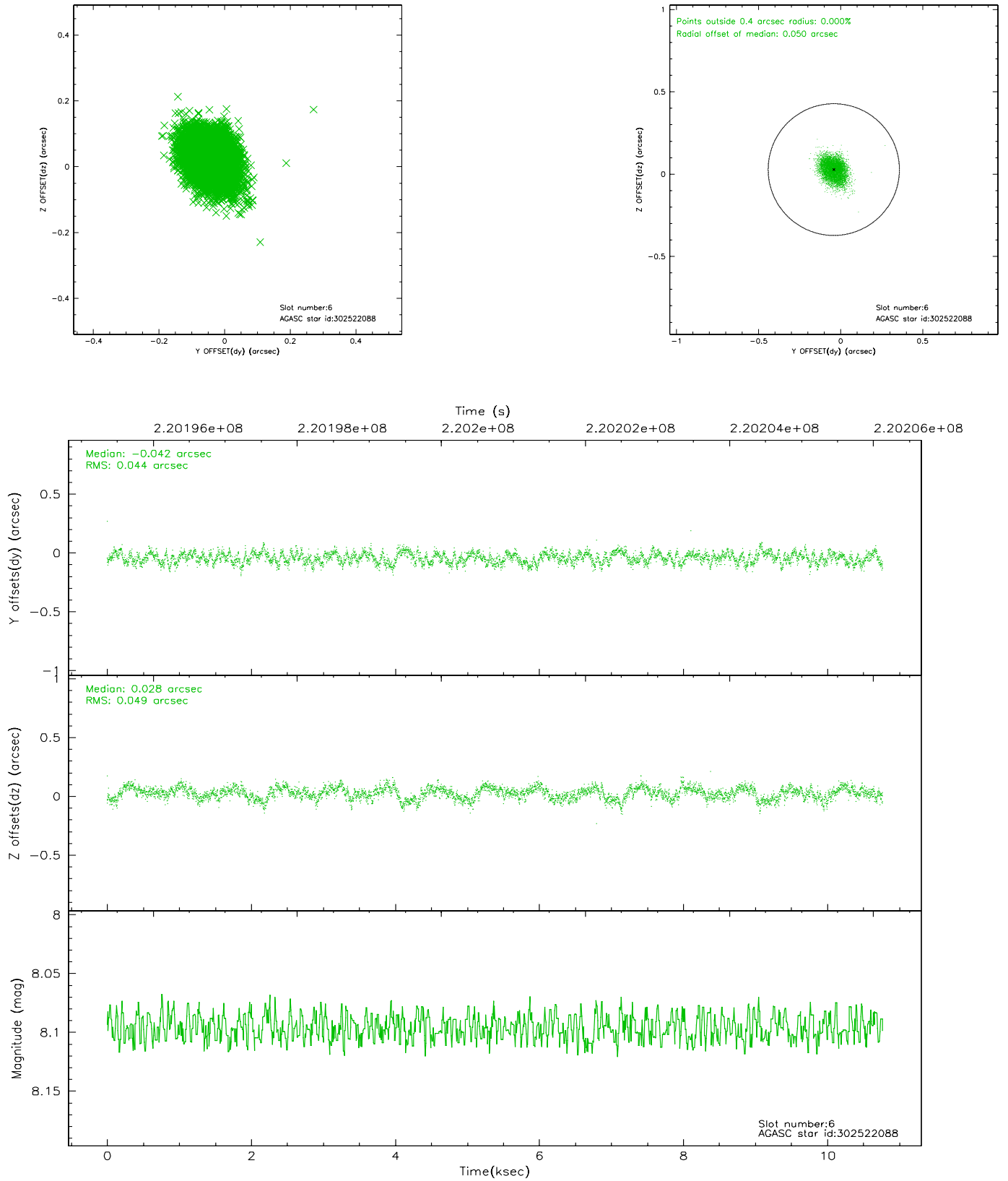
## 2.4.2 Slot 4



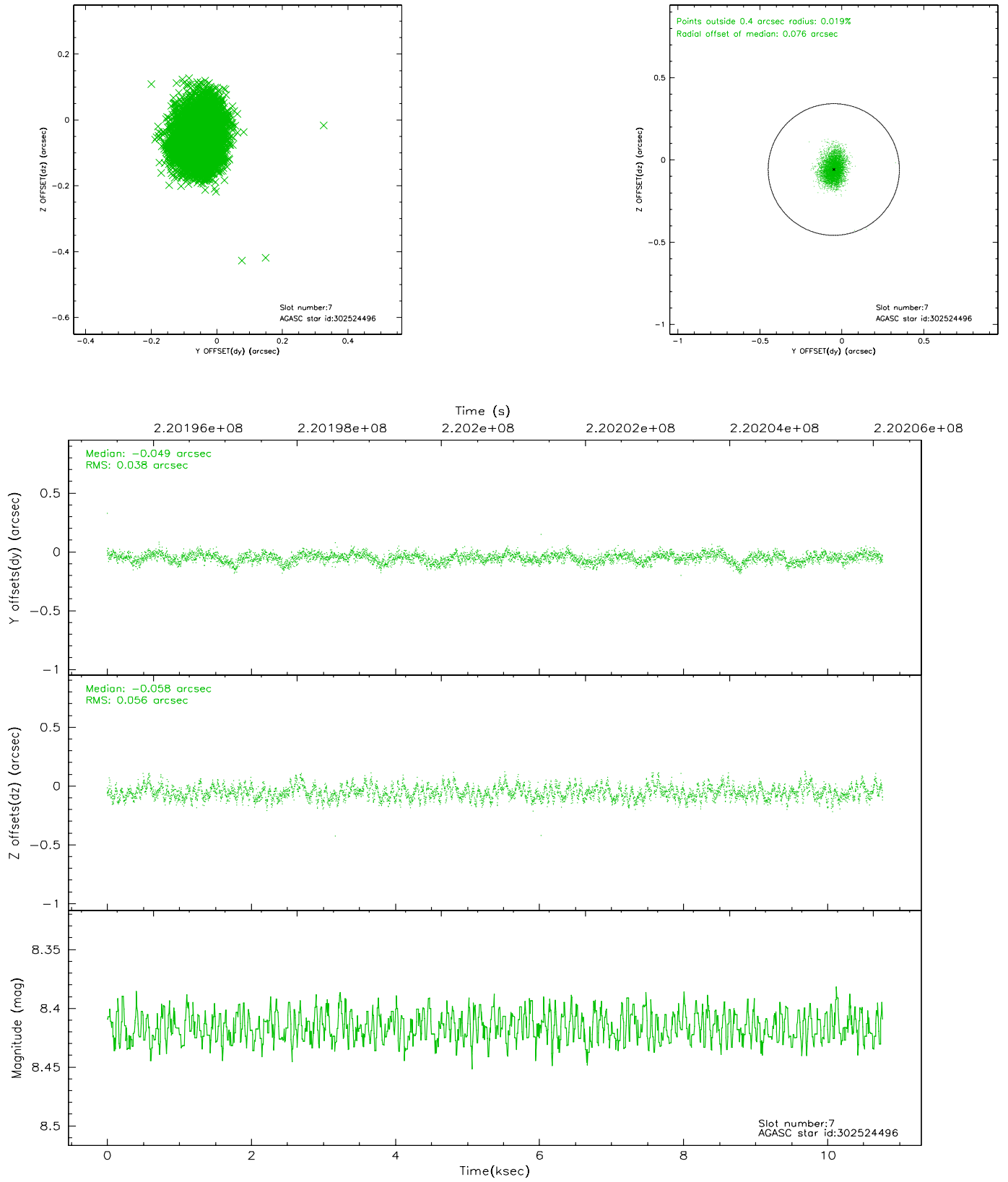
### 2.4.3 Slot 5



## 2.4.4 Slot 6

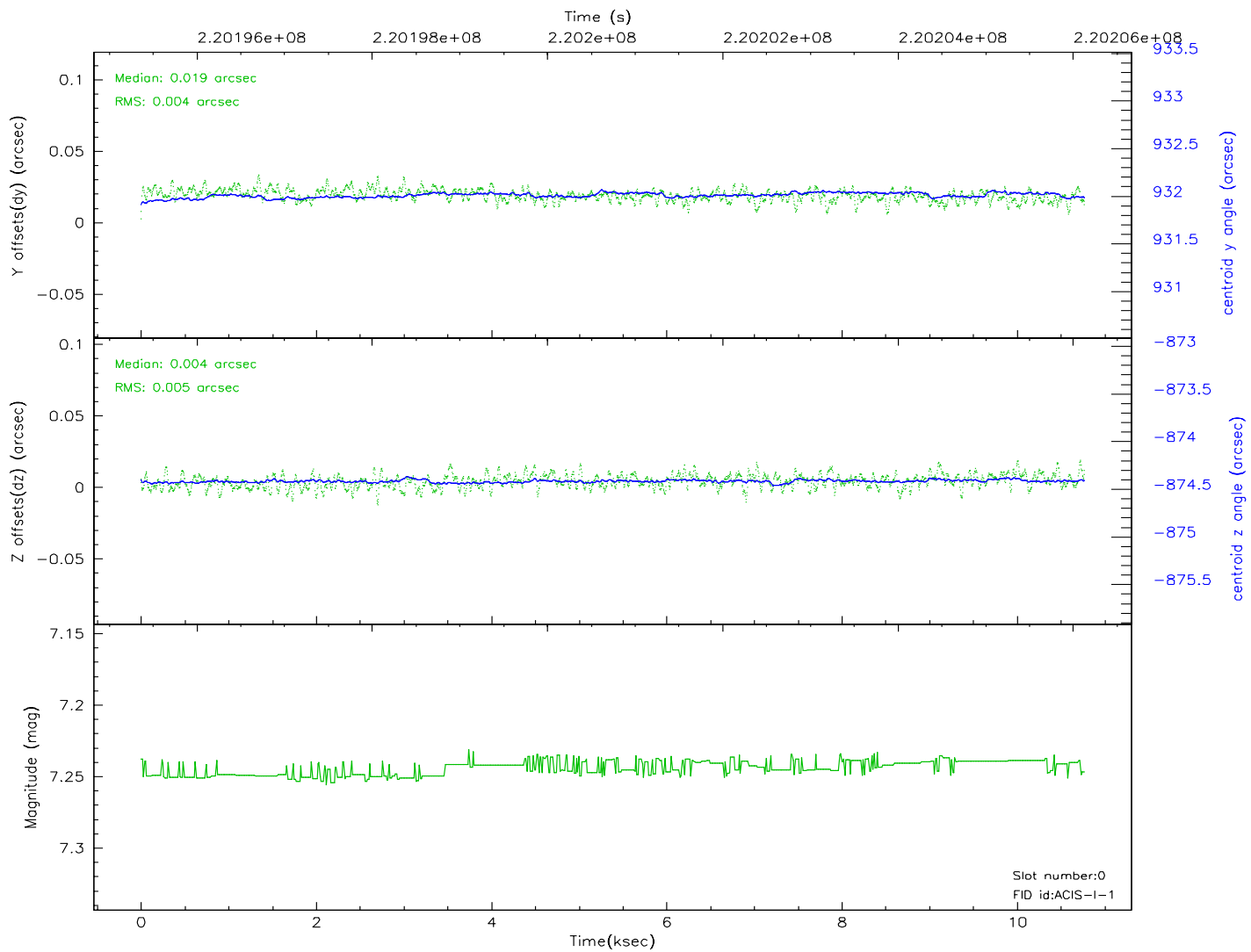
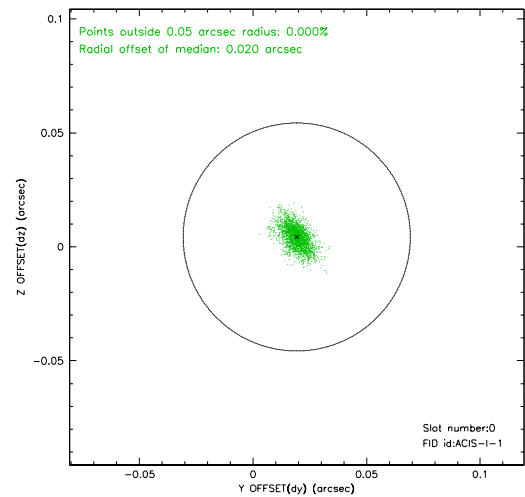
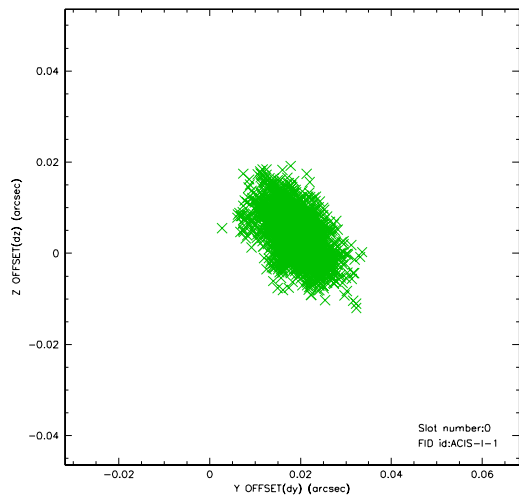


## 2.4.5 Slot 7

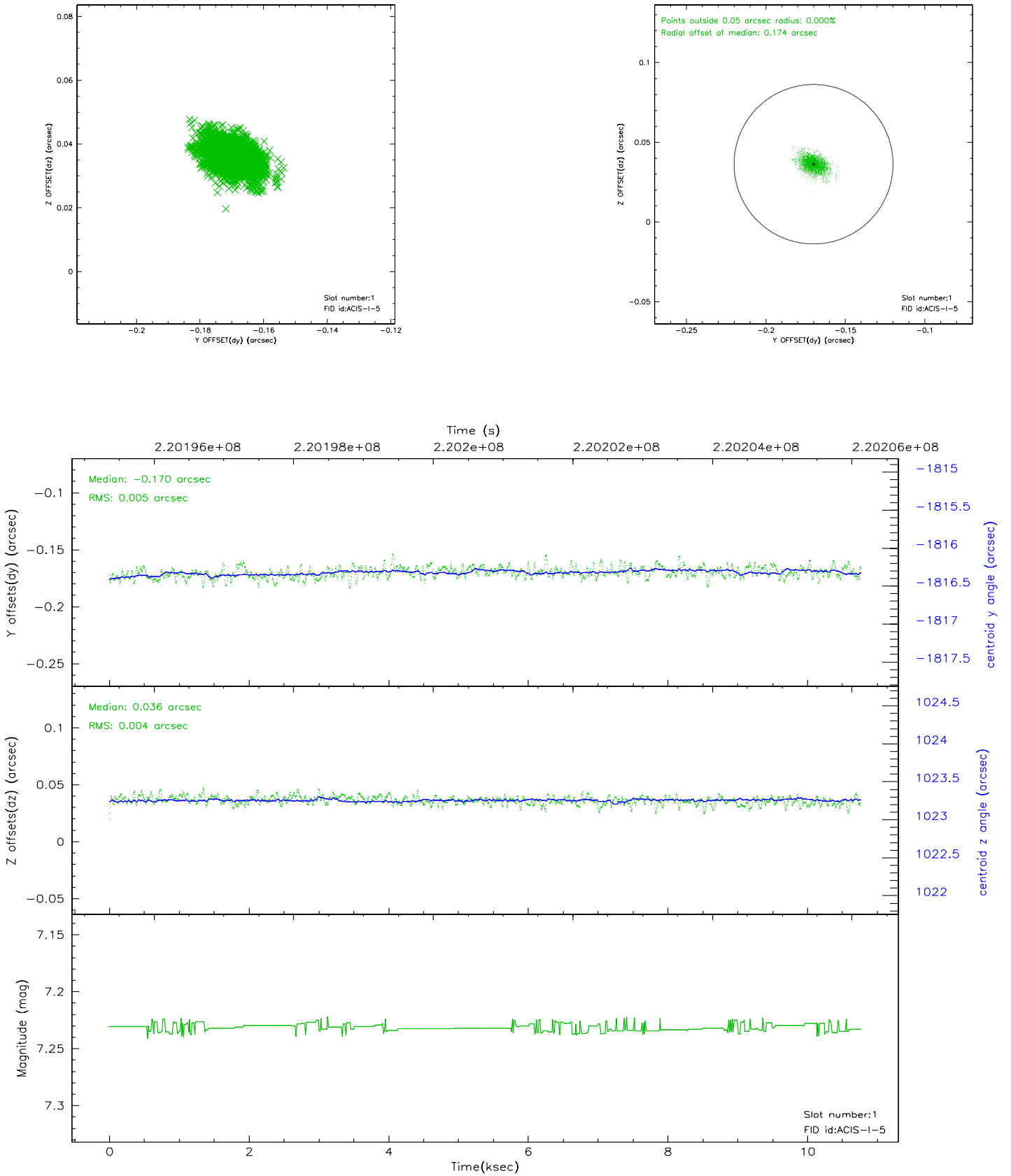


## 2.5 FID Slots

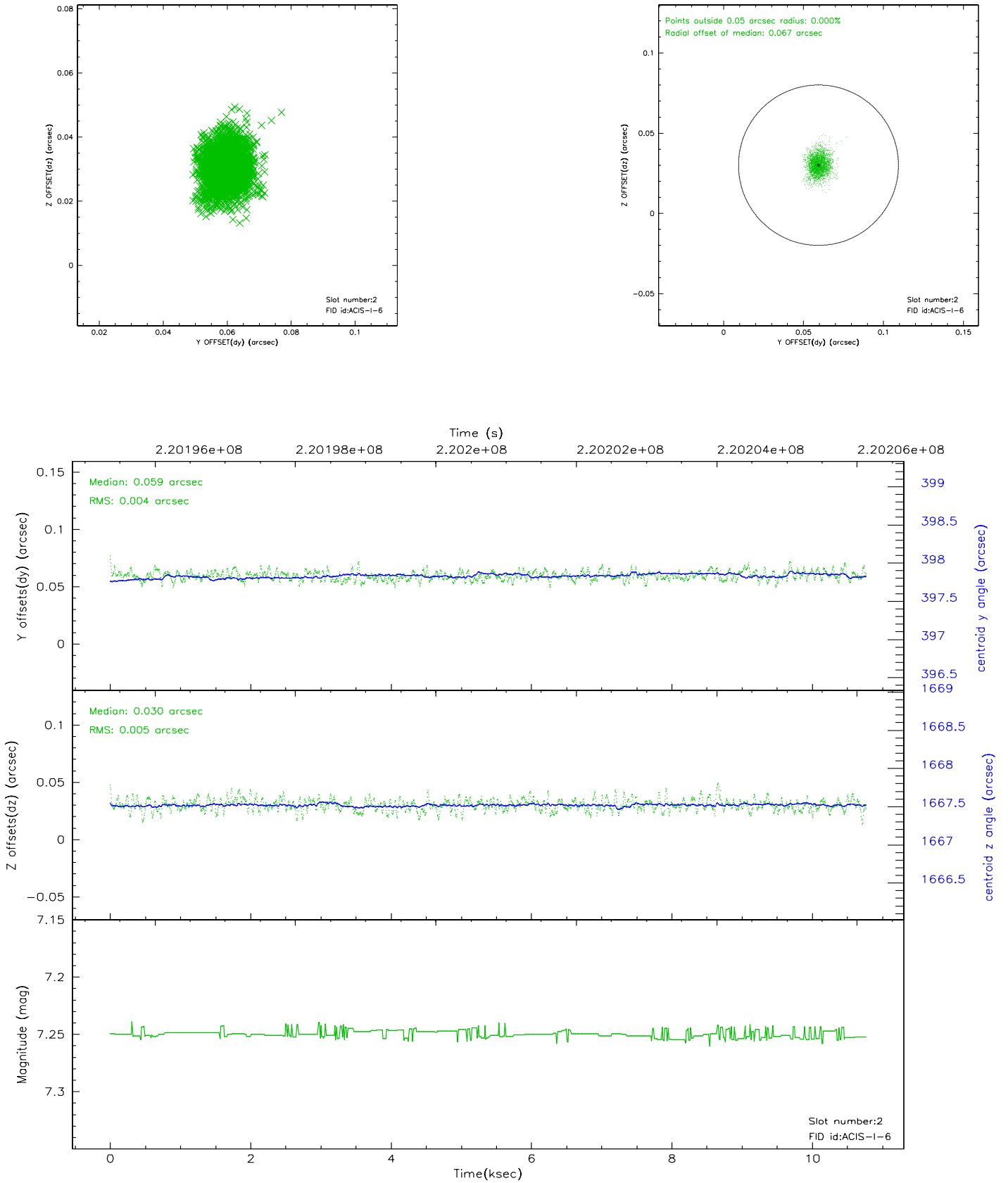
### 2.5.1 Slot 0



## 2.5.2 Slot 1

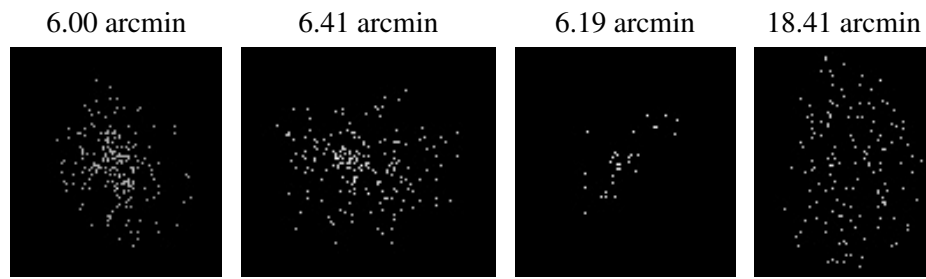


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.16799

### A.2 Comments