

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5014 - L2 Version 001  
Chandra X-Ray Center

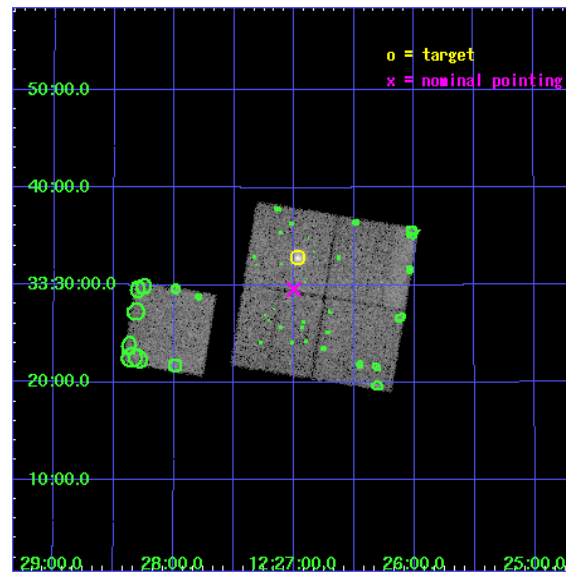
L2 Processing Date : Apr 26 2006

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# 1 Front

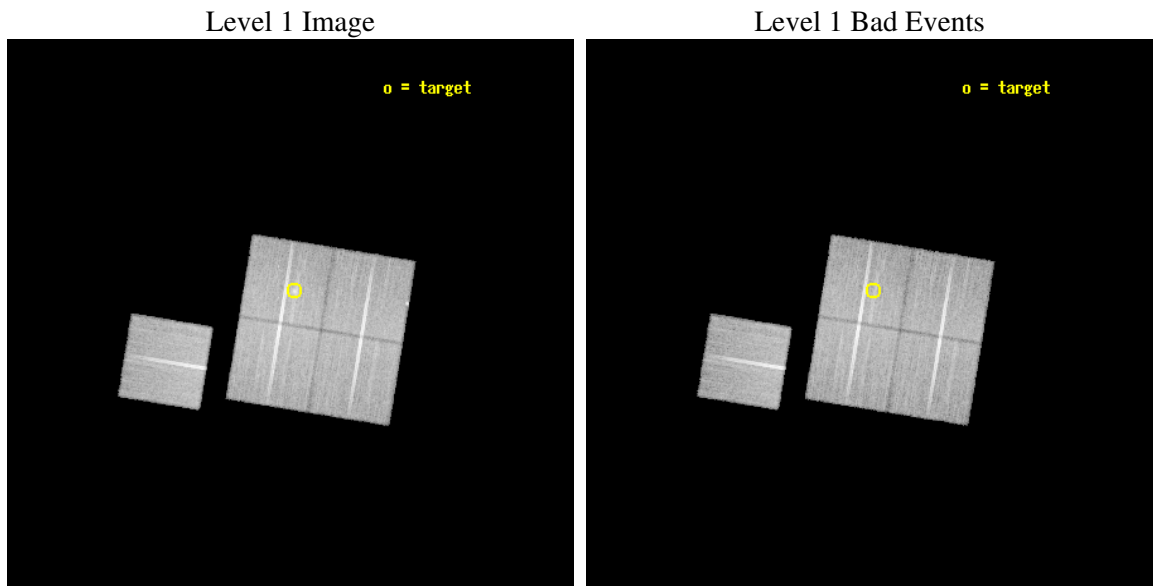
seq_num	800457
obs_id	5014
title	Cluster studies: Determination of H0/q0
observer	DR. LEON VANSPEYBROECK
object	cl1226+33
dtcycle	0
cycle	P
ra_targ	186.7425
dec_targ	33.546667
ra_nom	186.75068026545
dec_nom	33.492797673079
roll_nom	279.31821623207
revision	3
ontime	33145.158976018
livetime	32712.093072886
ontime0	33148.299936265
ontime1	33142.017995864
ontime2	33142.018005759
ontime3	33145.158976018
ontime6	33135.736055344
l2events	85718



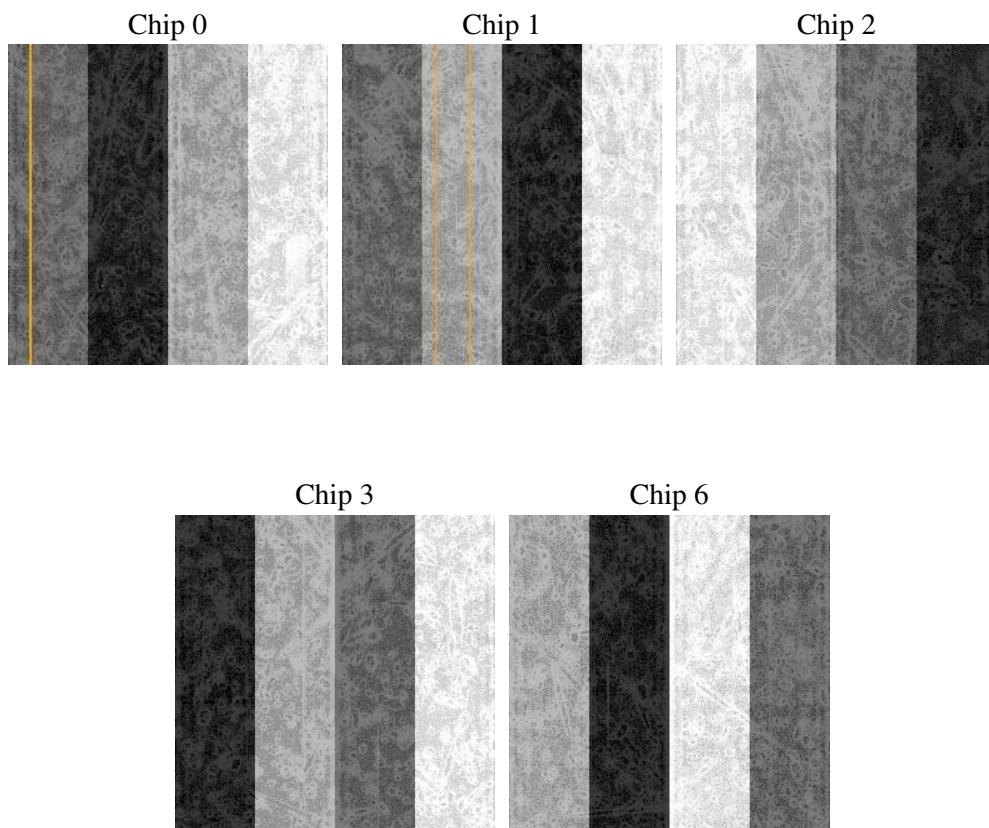
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-04-26T17:05:13
revision	3

sched_exp_time	33000.000000
ontime	33461.093218058
ontime0	33464.234158427
ontime1	33457.952218026
ontime2	33457.95222792
ontime3	33461.093218058
ontime6	33448.529297262
l1events	988712

### 2.1.4 Events

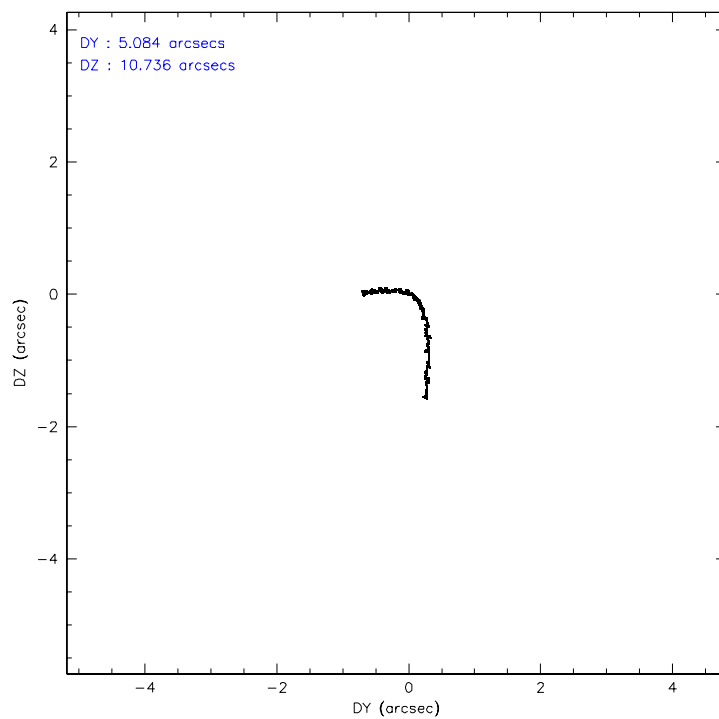
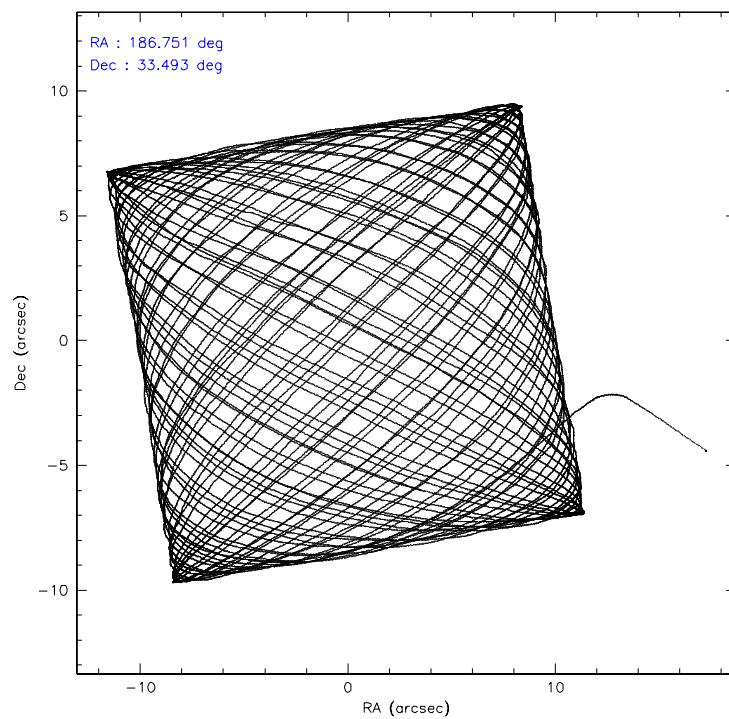
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	189186	189295	209304	200440	200487
rejected events	169788	166592	190039	179163	180232
rejected %	89%	88%	90%	89%	89%

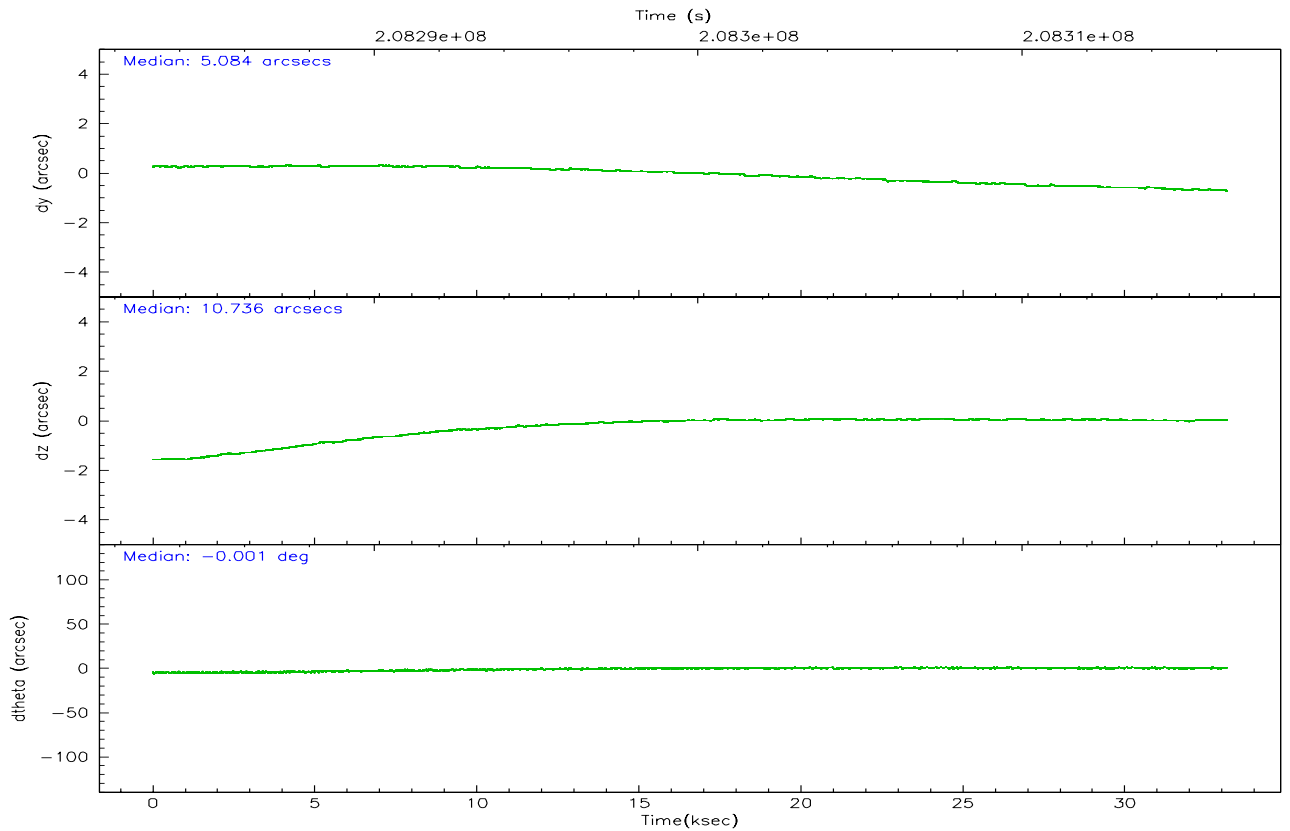
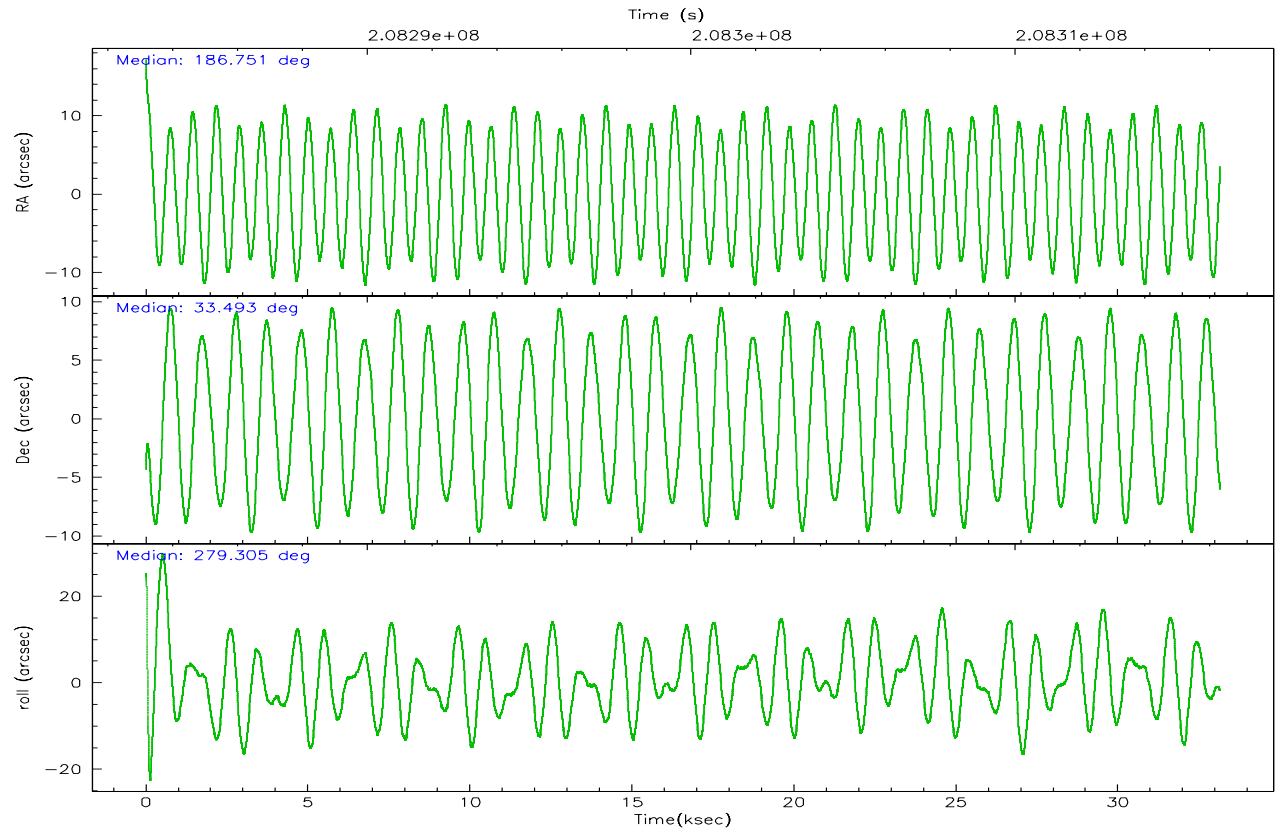
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6636	8644	7033	8917	7021
	3%	4%	3%	4%	3%
grade 1 events	95	99	94	107	86
	0%	0%	0%	0%	0%
grade 2 events	4570	4776	4557	4260	4422
	2%	2%	2%	2%	2%
grade 3 events	2312	2581	2146	2254	2341
	1%	1%	1%	1%	1%
grade 4 events	2214	2476	2172	2261	2244
	1%	1%	1%	1%	1%
grade 5 events	7021	7317	6719	7881	7907
	3%	3%	3%	3%	3%
grade 6 events	3862	4440	3548	3775	4389
	2%	2%	1%	1%	2%
grade 7 events	162476	158962	183035	170985	172077
	85%	83%	87%	85%	85%

## 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	186.729773	186.7506802654514	Alternating exposures requested	N	N
Pointing Dec	33.513900	33.49279767307942	Primary exposure time	0.000000	3.1
Pointing Roll	279.121048	279.3182162320705			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	208283329.184000	208282051.83349			
Observation start date	2004-08-07T16:27:45	2004-08-07T16:07:31			
Observation end time	208316329.184000	208317401.01006			
Observation end date	2004-08-08T01:37:45	2004-08-08T01:56:41			
Read mode	TIMED	TIMED			

## 2.3 Aspect





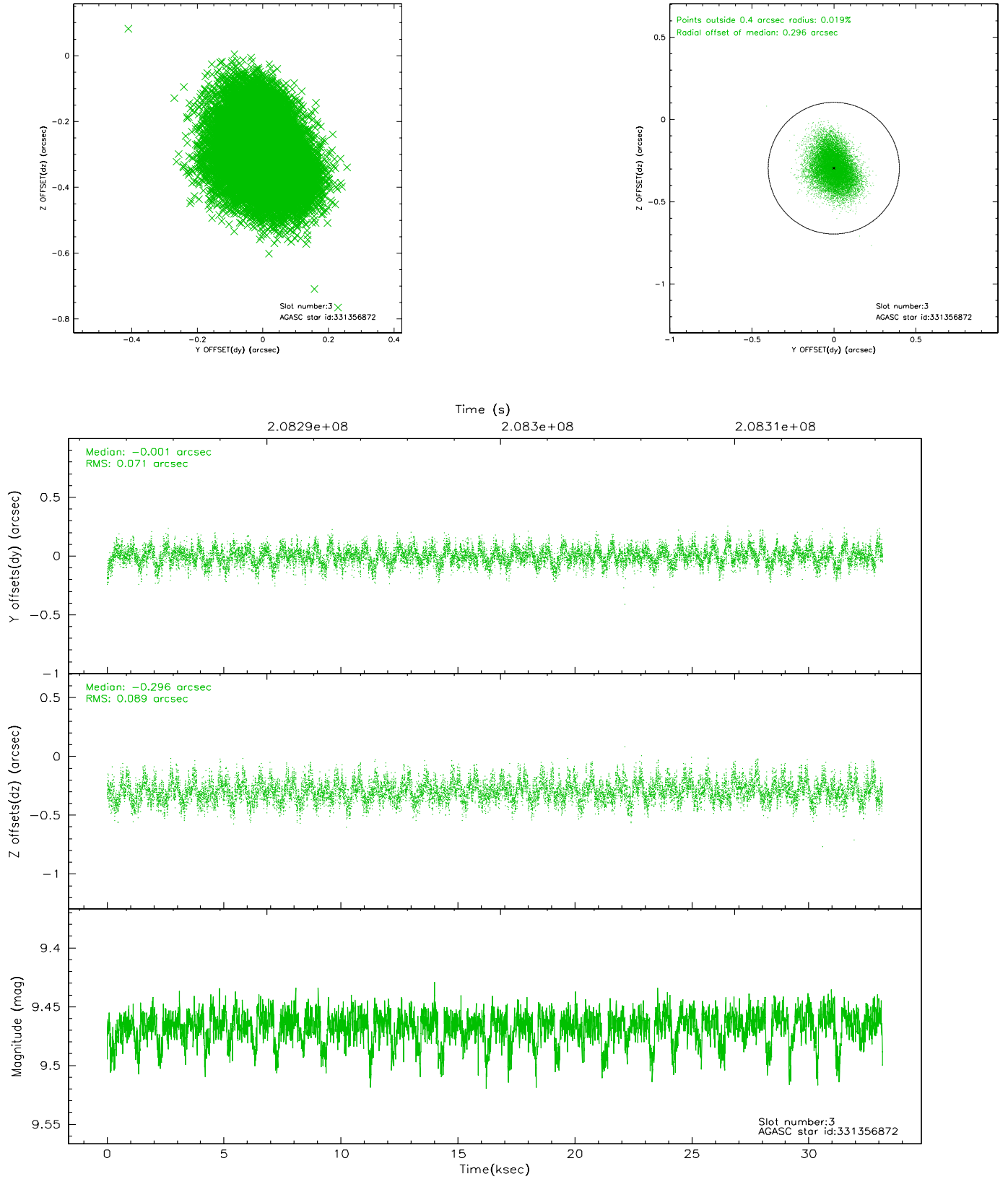
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	8087	0.090	-0.064	0.011	0.023	0.000000	0.000000	934.65	-993.08
1	FID	ACIS-I-5	7.22	8087	-0.227	0.086	0.011	0.021	0.000000	0.000000	-1813.72	904.54
2	FID	ACIS-I-6	7.25	8087	0.043	0.052	0.012	0.026	0.000000	0.000000	400.13	1549.05
3	GUIDE	331356872	9.47	16167	-0.001	-0.296	0.122	0.197	186.232000	33.528992	-293.09	-1466.17
4	GUIDE	331359472	9.33	16136	0.129	0.066	0.087	0.137	187.224794	33.172746	1446.07	1278.84
5	GUIDE	331359840	9.63	16161	-0.034	0.068	0.111	0.178	187.405317	33.549371	188.88	2022.58
6	GUIDE	331625408	10.77	16078	-0.121	0.058	0.231	0.368	186.109257	33.951847	-1854.99	-1579.28
7	GUIDE	331362384	8.81	16165	0.021	0.094	0.077	0.122	187.227369	32.923477	2333.94	1148.71

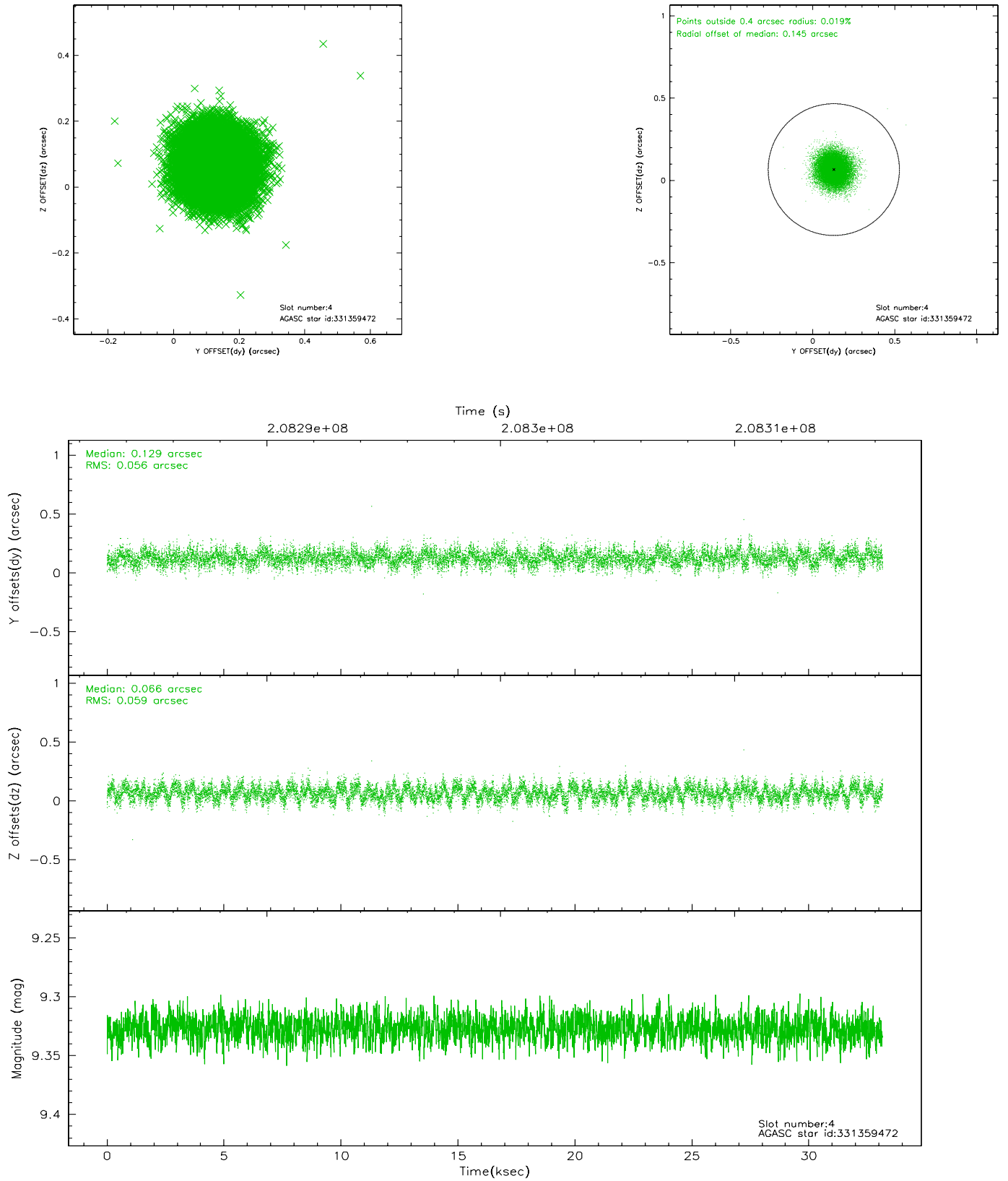


## 2.4 Star Slots

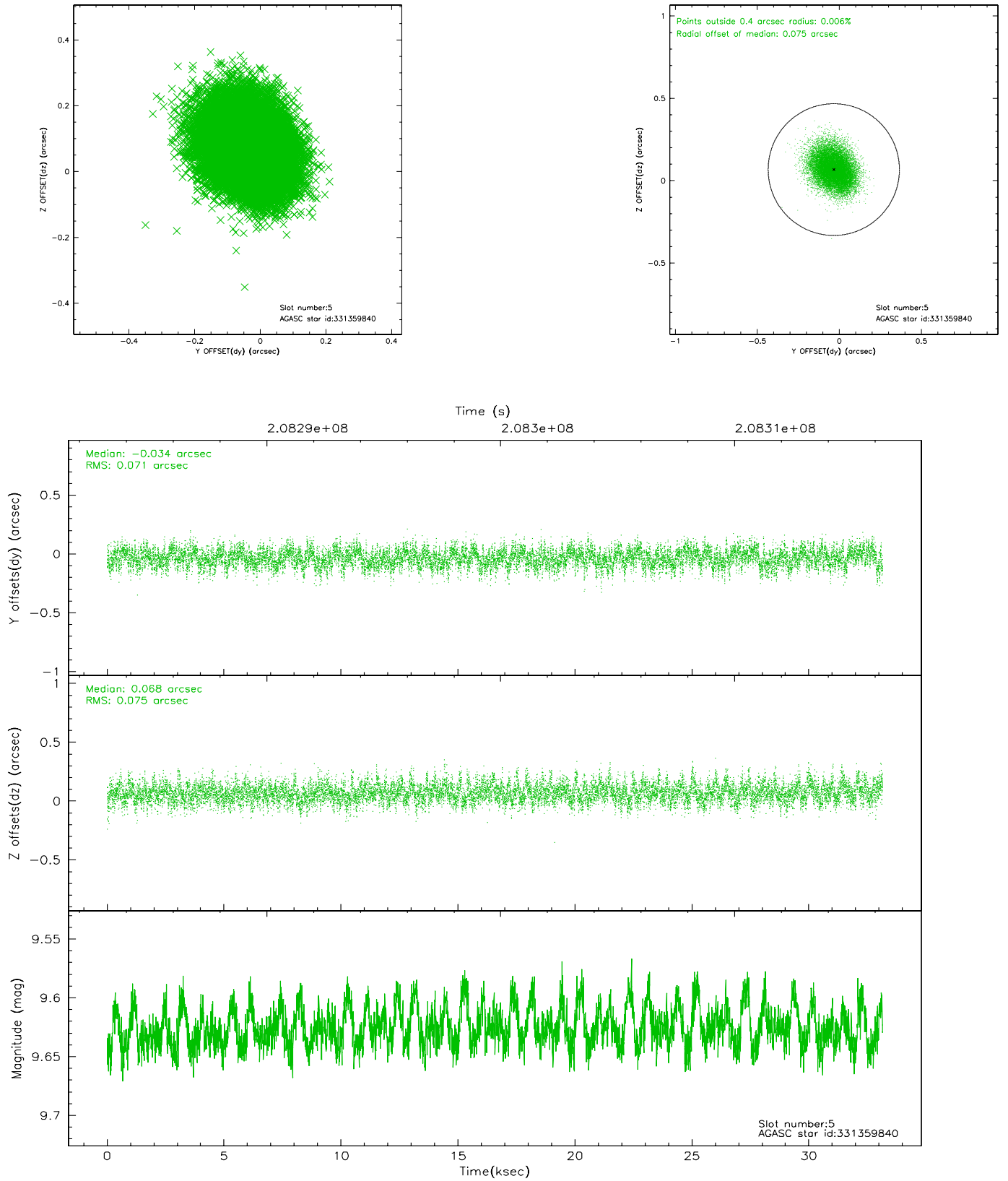
### 2.4.1 Slot 3



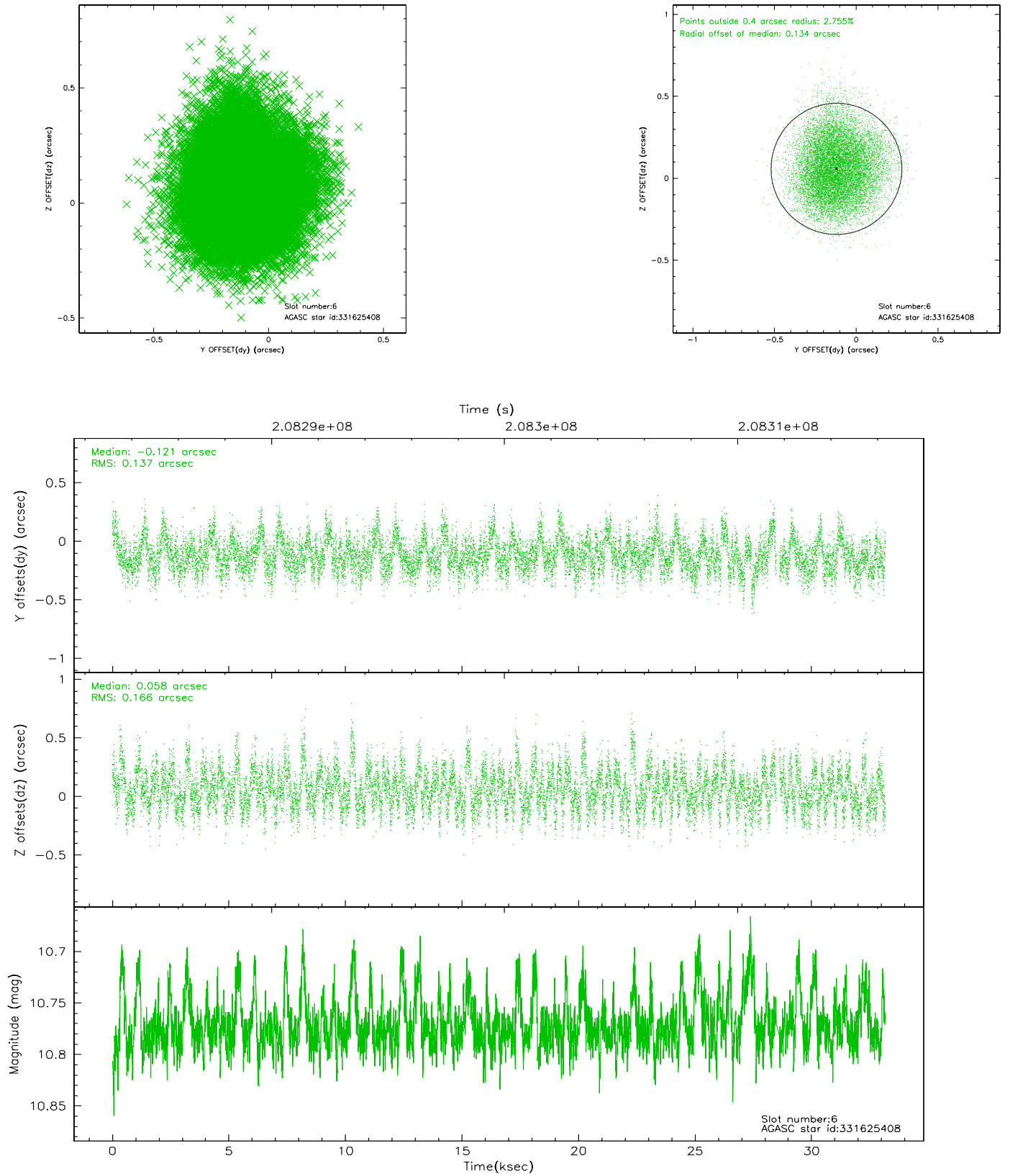
## 2.4.2 Slot 4



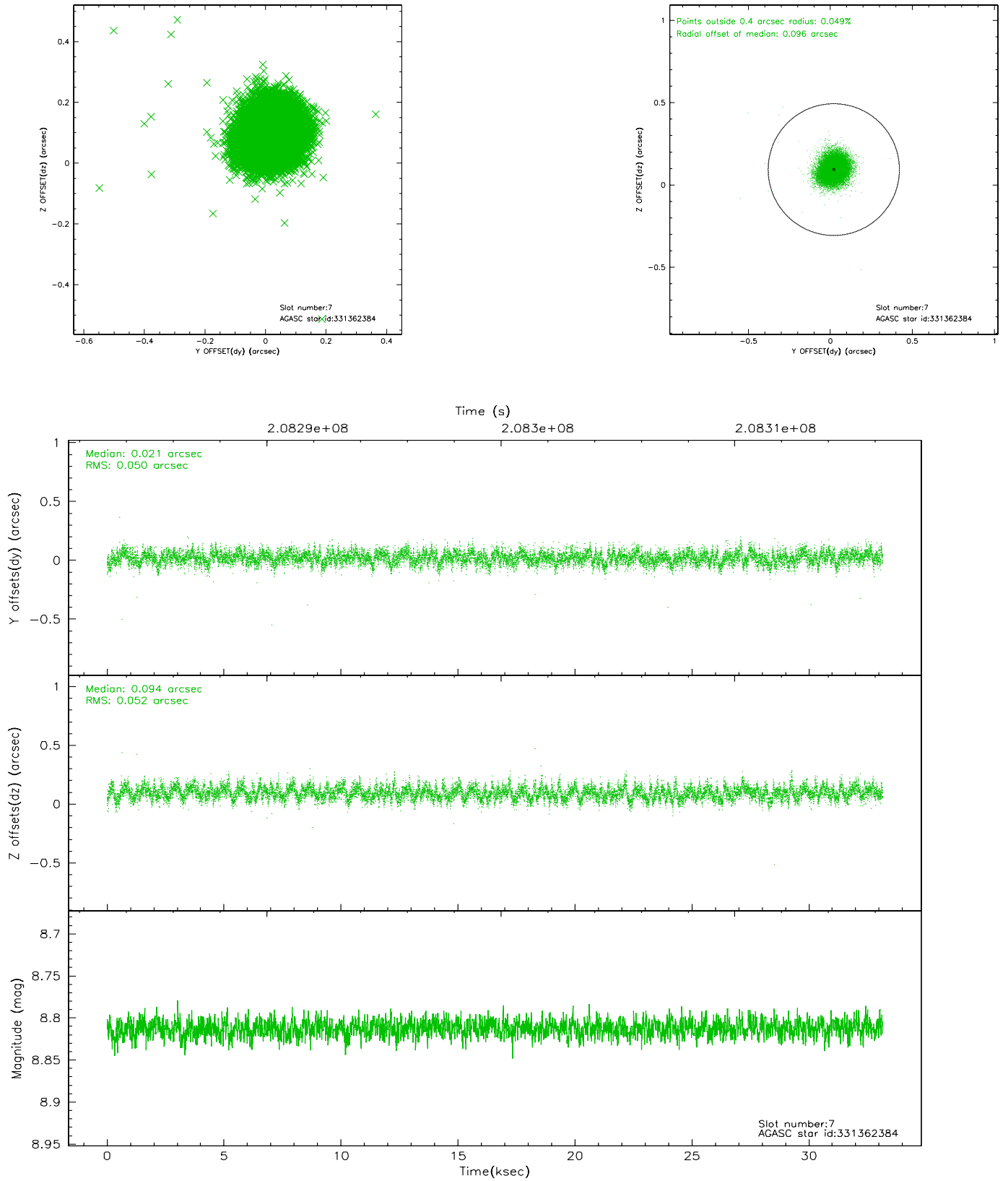
### 2.4.3 Slot 5



## 2.4.4 Slot 6

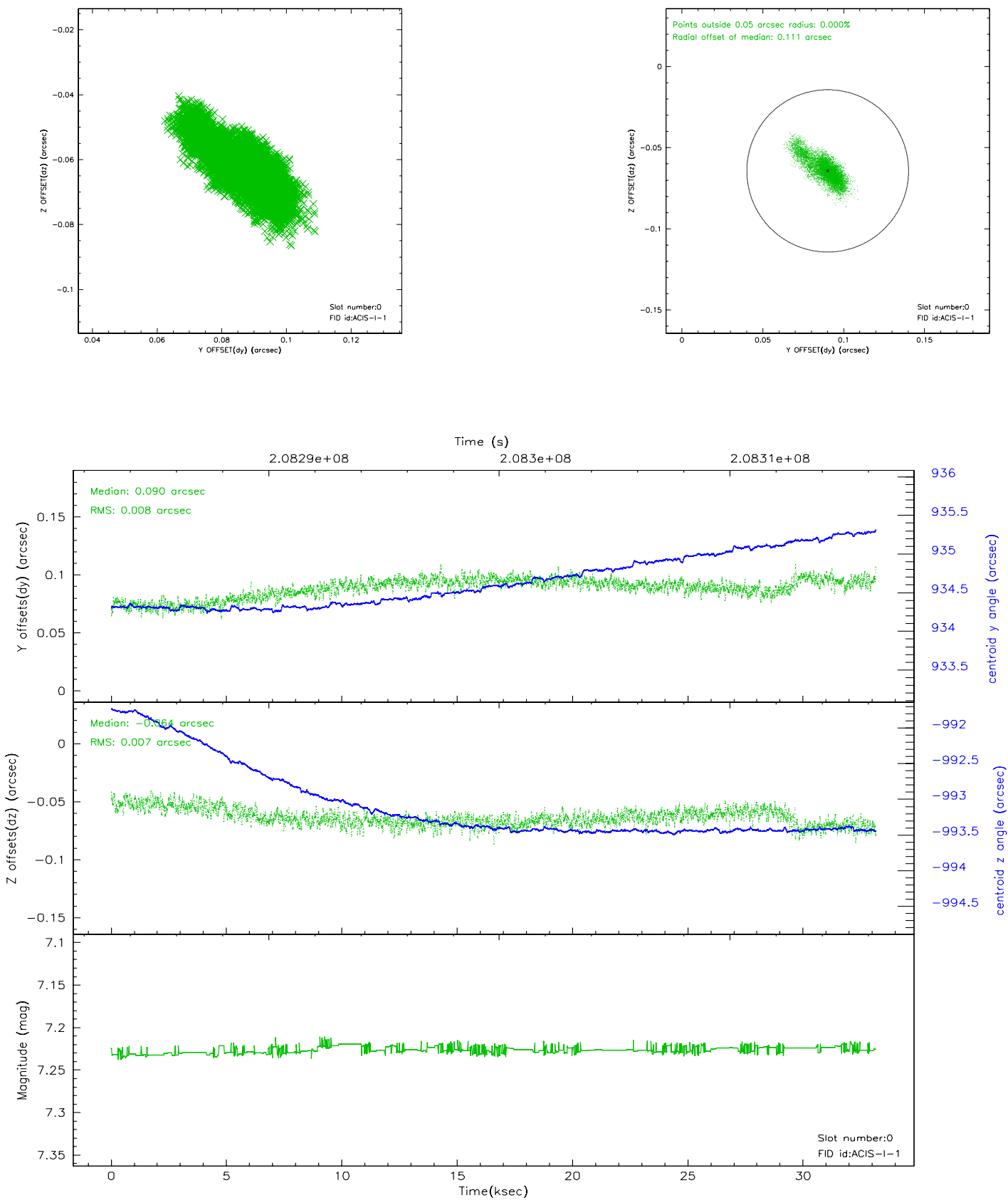


## 2.4.5 Slot 7

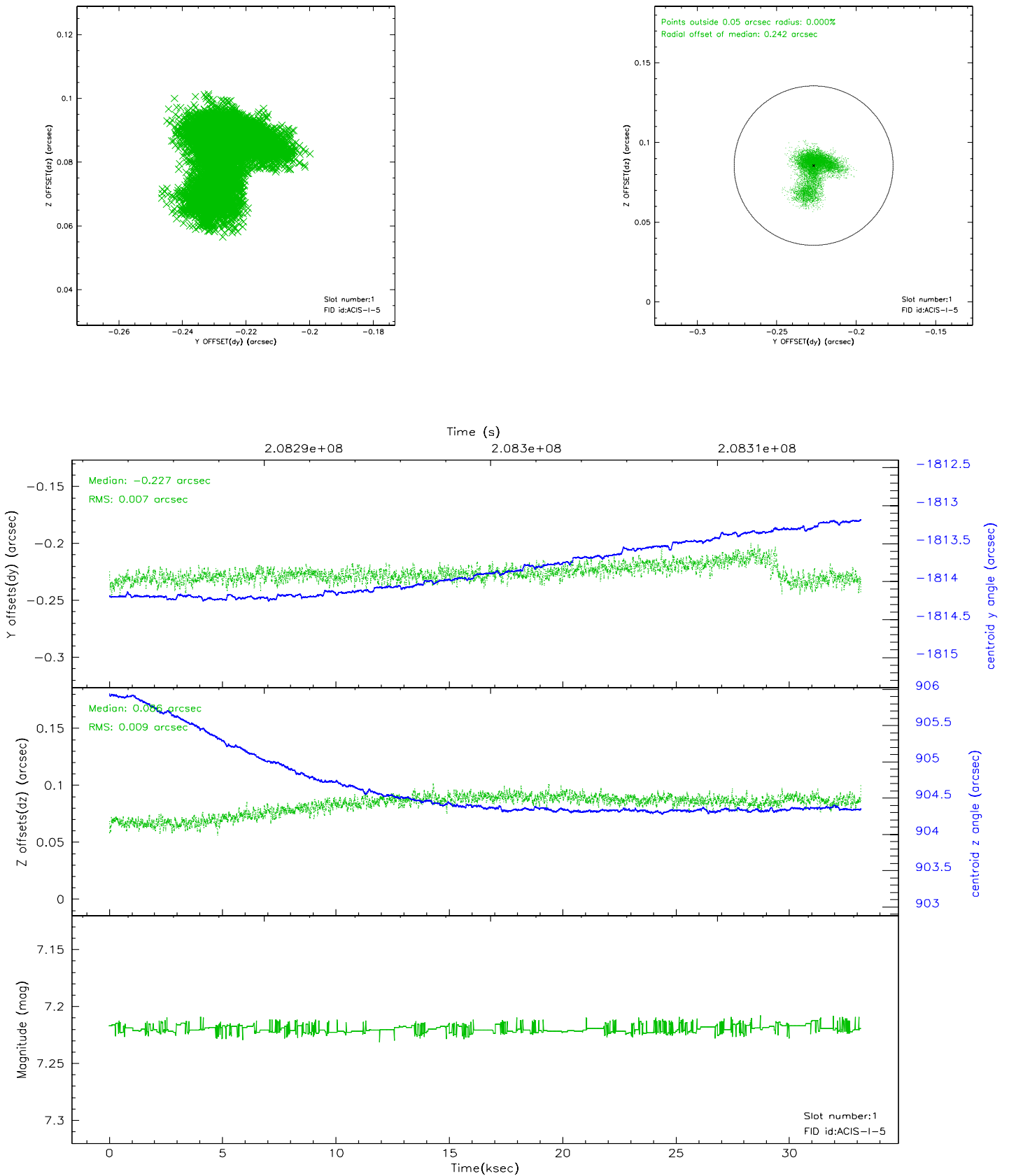


## 2.5 FID Slots

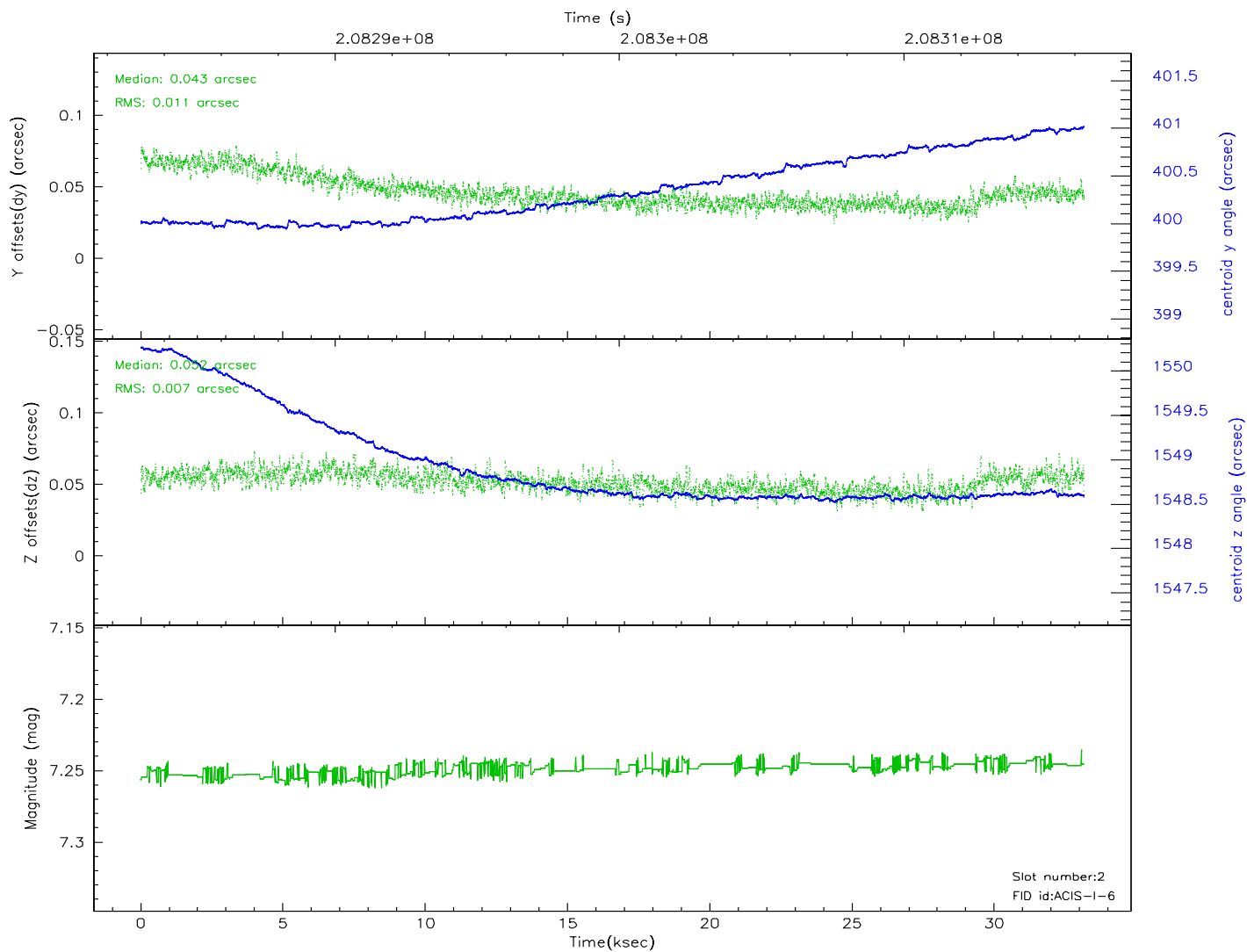
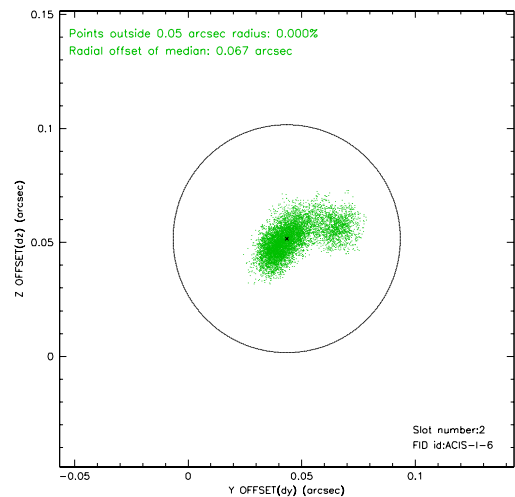
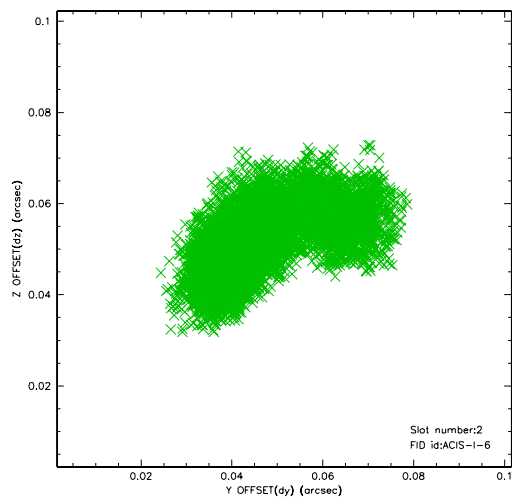
### 2.5.1 Slot 0



## 2.5.2 Slot 1

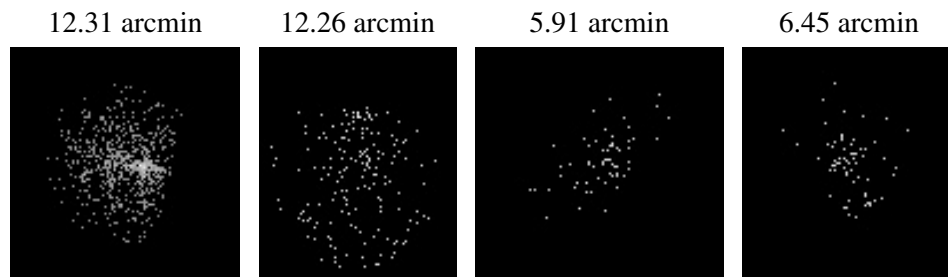


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.145

### A.2 Comments