

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 4503 - L2 Version 001  
Chandra X-Ray Center

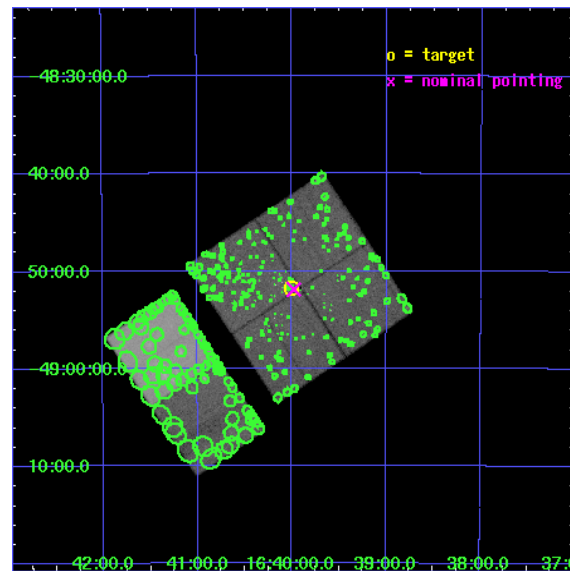
L2 Processing Date : Apr 13 2006

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# 1 Front

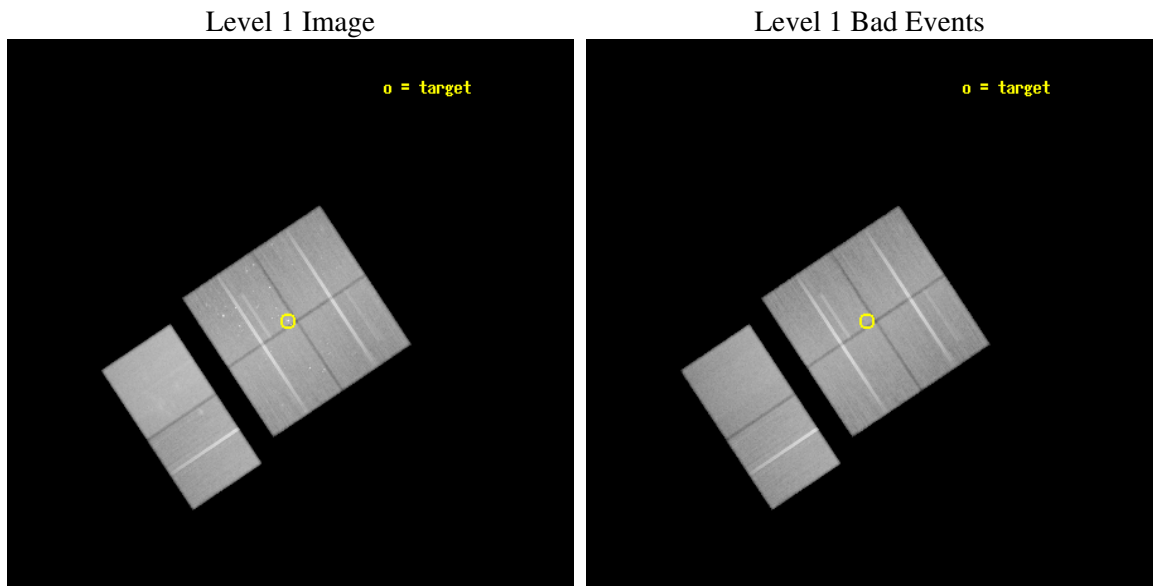
seq_num	200272
obs_id	4503
title	Triggered Star Formation and Diffuse Emssion in Ara OB1
observer	Dr. Scott Wolk
object	RCW 108
dtcycle	0
cycle	P
ra_targ	250.000417
dec_targ	-48.8625
ra_nom	249.99454300268
dec_nom	-48.865044839142
roll_nom	236.35877556992
revision	2
ontime	89951.958674699
livetime	88812.932811393
ontime0	89951.958704591
ontime1	89945.476704299
ontime2	89951.958704591
ontime3	89951.958674699
ontime6	89948.717714429
ontime7	89955.199664891
l2events	778152



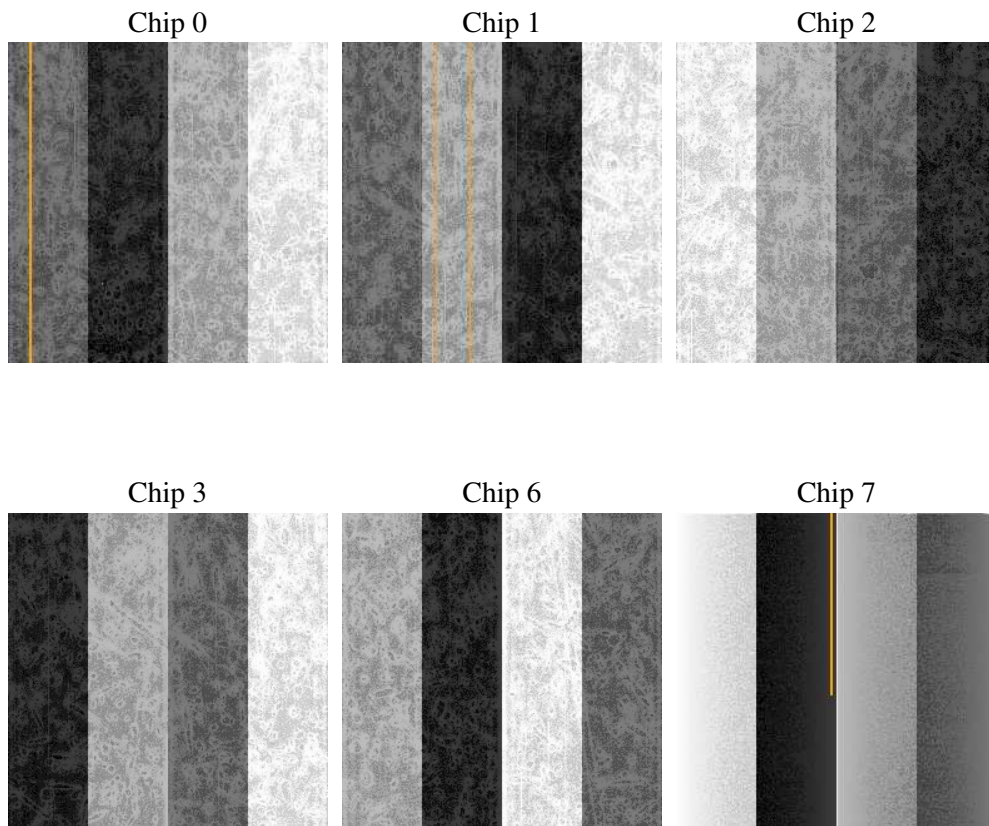
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-13T11:11:58
revision	2

sched_exp_time	90000.000000
ontime	89957.194510758
ontime0	89957.194560558
ontime1	89950.712540358
ontime2	89957.194560558
ontime3	89957.194510758
ontime6	89953.953550488
ontime7	89960.435520858
l1events	4467749

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	655779	659116	719923	721543	740637	970751
rejected events	566461	565832	628915	617037	652683	590766
rejected %	86%	85%	87%	85%	88%	60%

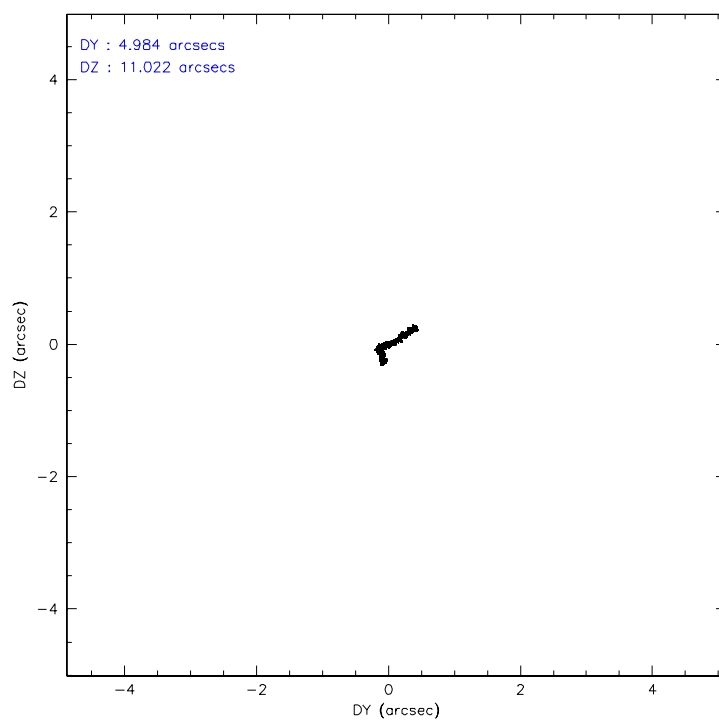
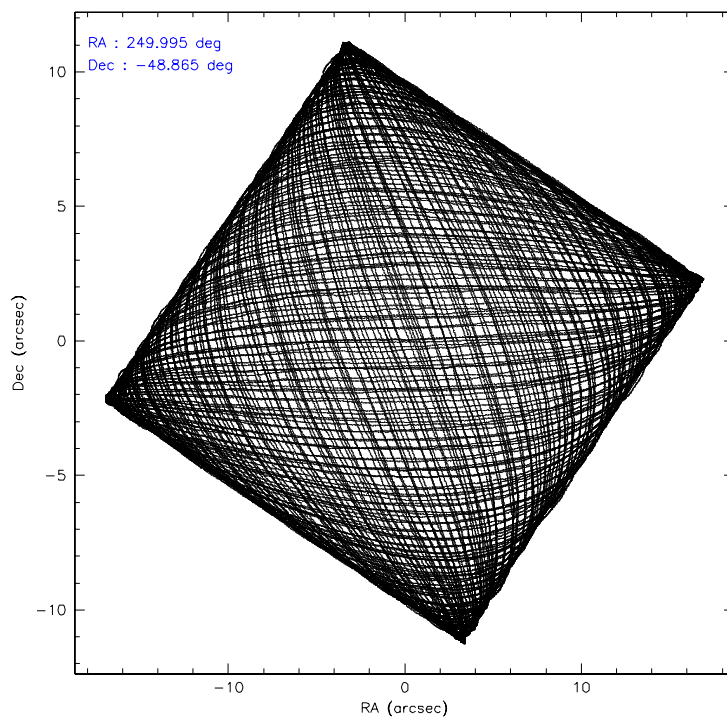
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	39893	38876	43352	54276	36170	23381
	6%	5%	6%	7%	4%	2%
grade 1 events	440	373	490	590	366	582
	0%	0%	0%	0%	0%	0%
grade 2 events	18150	19497	17730	17905	18019	95006
	2%	2%	2%	2%	2%	9%
grade 3 events	8608	8806	8197	8812	8409	19932
	1%	1%	1%	1%	1%	2%
grade 4 events	7885	8954	8134	8617	8056	19193
	1%	1%	1%	1%	1%	1%
grade 5 events	28078	29605	27173	31600	33060	63049
	4%	4%	3%	4%	4%	6%
grade 6 events	14787	17154	13598	14899	17304	222492
	2%	2%	1%	2%	2%	22%
grade 7 events	537938	535851	601249	584844	619253	527116
	82%	81%	83%	81%	83%	54%

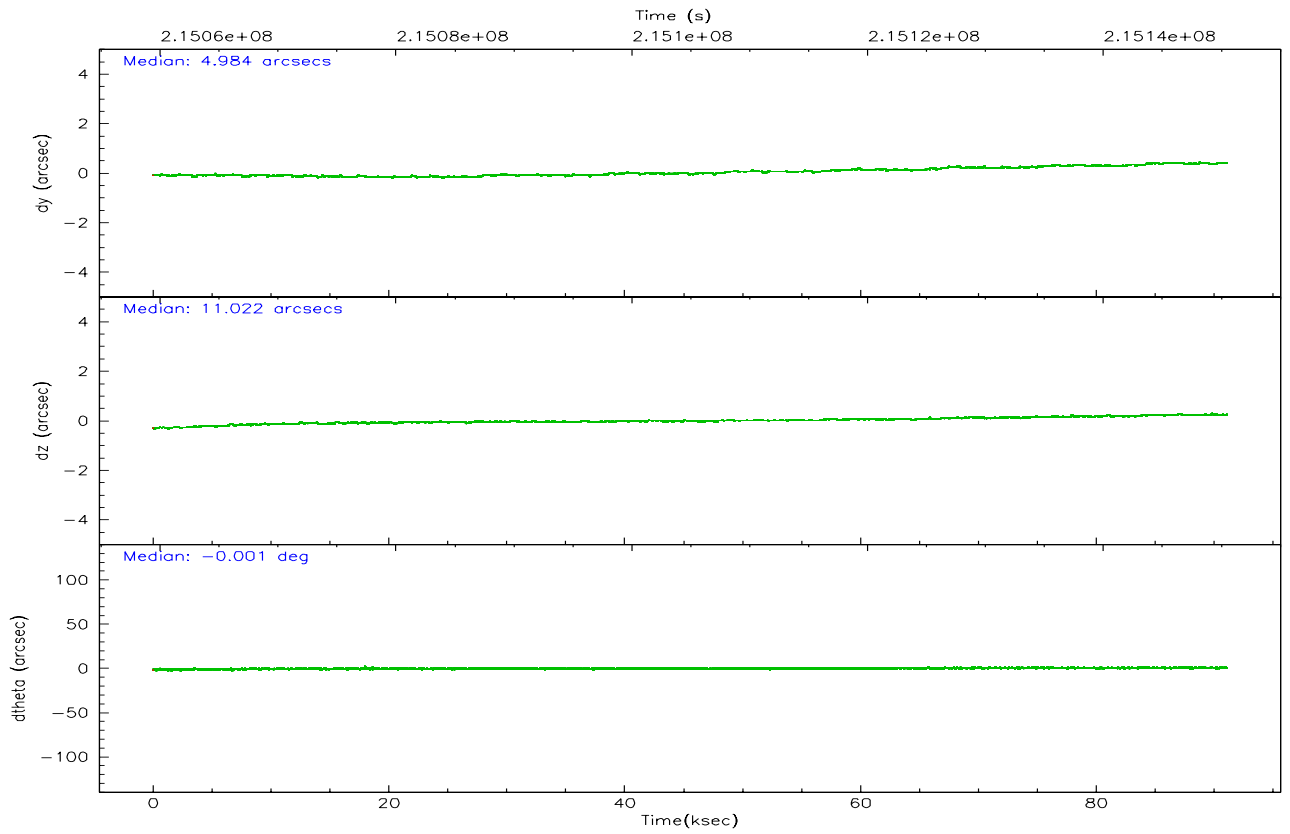
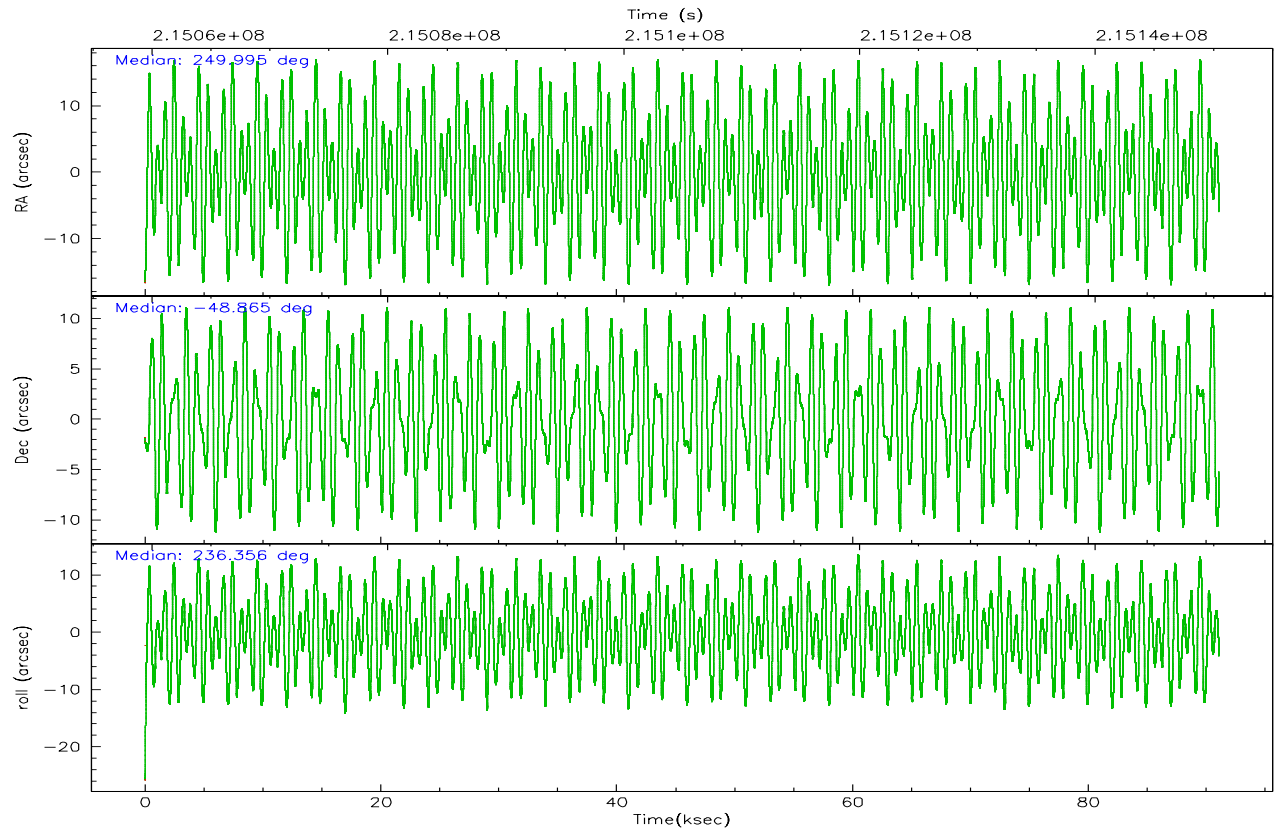


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	249.997016	249.994543002681	Alternating exposures requested	N	N
Pointing Dec	-48.837717	-48.86504483914241	Primary exposure time	0.000000	3.2
Pointing Roll	236.151948	236.3587755699178			
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	215060493.184000	215059070.26093			
Observation start date	2004-10-25T03:00:29	2004-10-25T02:37:50			
Observation end time	215150493.184000	215151090.66506			
Observation end date	2004-10-26T04:00:29	2004-10-26T04:11:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



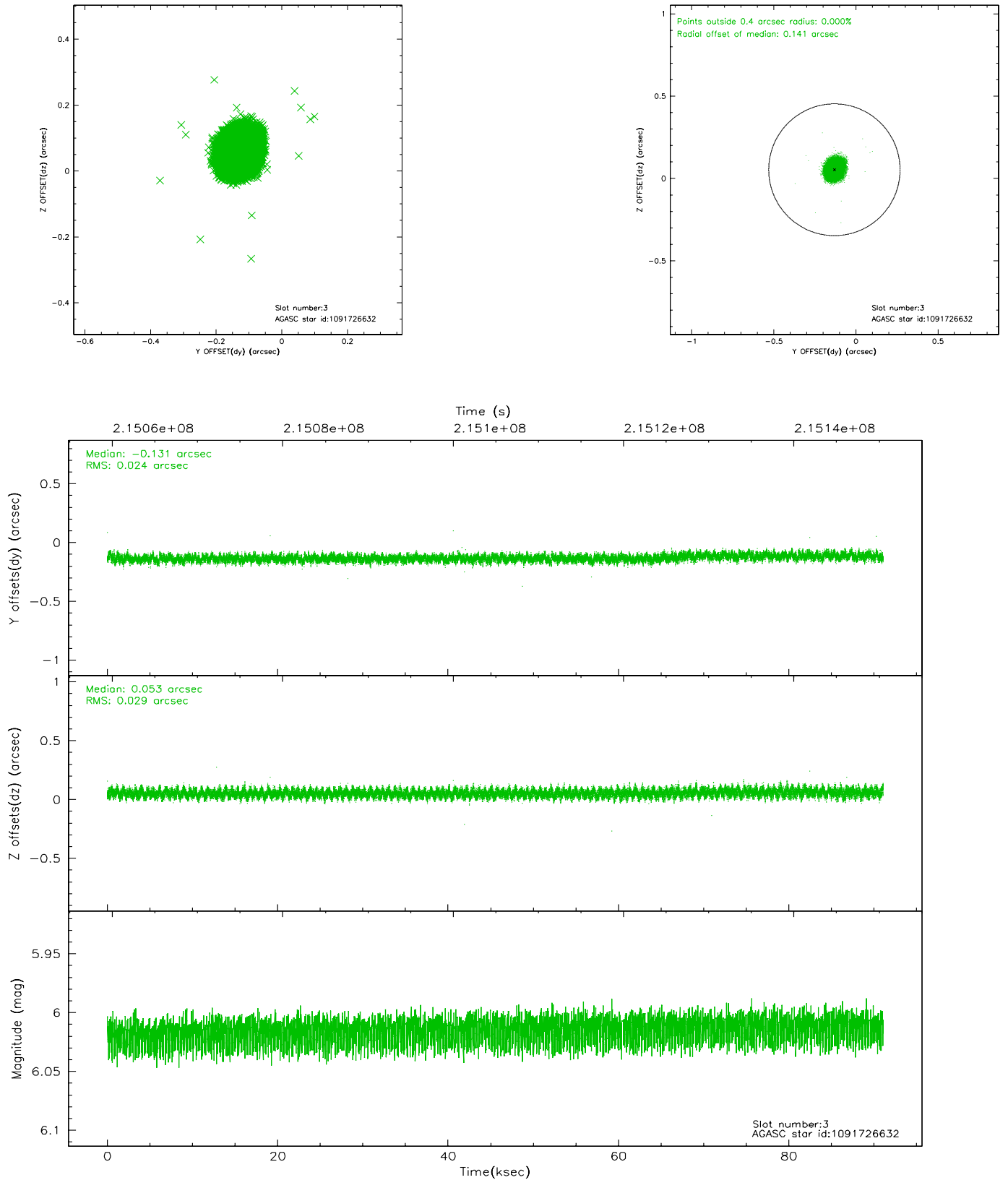


### Slot Statistics

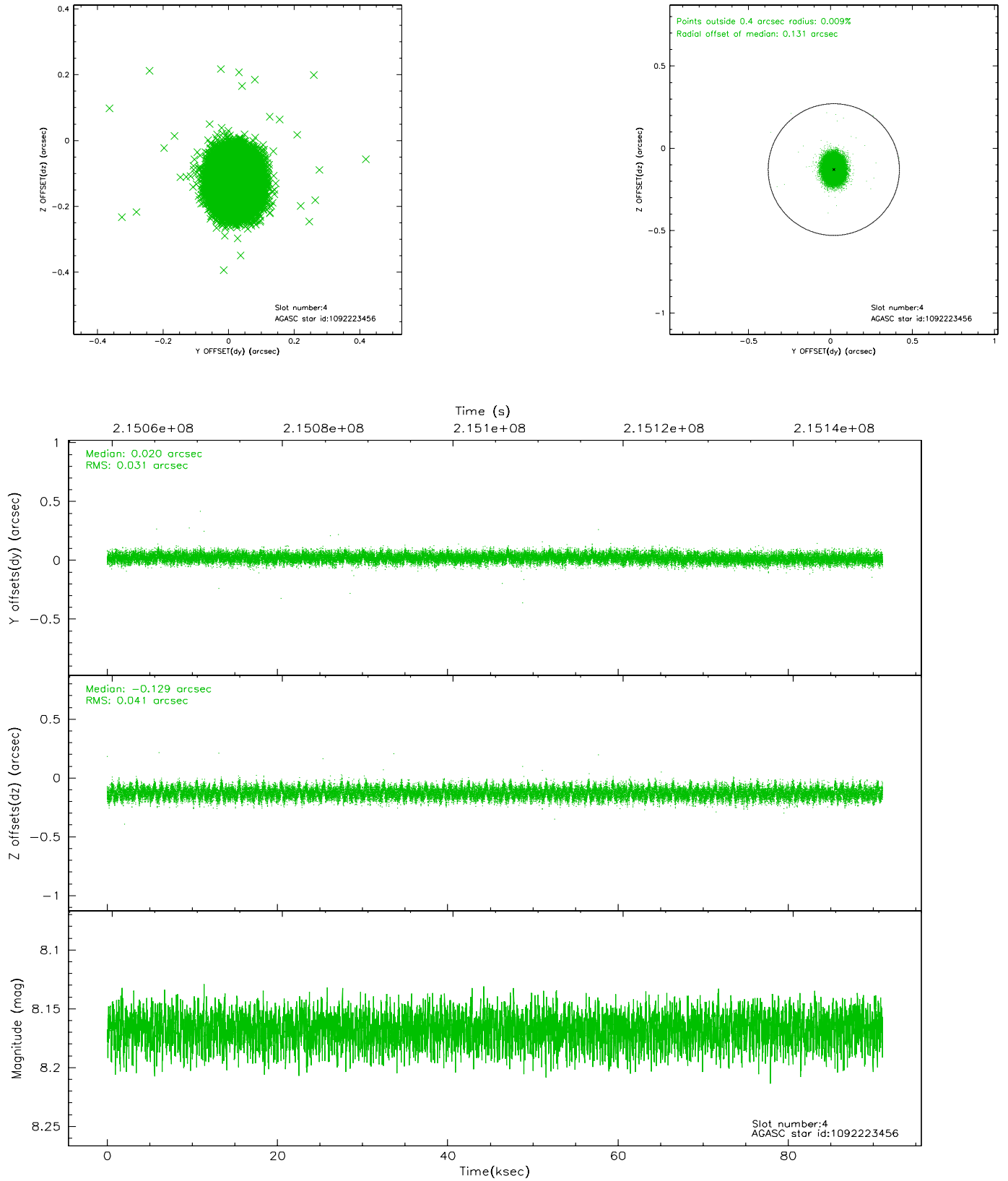
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	22221	0.027	0.002	0.010	0.018	0.000000	0.000000	934.70	-834.55
1	FID	ACIS-I-5	7.23	22222	-0.158	0.049	0.011	0.022	0.000000	0.000000	-1813.60	1063.08
2	FID	ACIS-I-6	7.24	22222	0.038	0.020	0.012	0.021	0.000000	0.000000	400.39	1707.42
3	GUIDE	1091726632	6.01	44444	-0.131	0.053	0.040	0.065	250.066238	-48.307770	-1676.53	-924.76
4	GUIDE	1092223456	8.17	44428	0.020	-0.129	0.055	0.088	249.833927	-49.074918	924.17	156.60
5	GUIDE	1092225936	8.64	44360	0.025	0.113	0.059	0.096	249.410104	-49.291601	2129.37	-230.92
6	GUIDE	1092228896	9.06	44421	0.194	-0.127	0.081	0.135	248.711679	-48.997208	2189.93	-2187.00
7	GUIDE	1091873240	8.47	44430	-0.107	0.087	0.068	0.114	250.980008	-48.511597	-2268.12	1301.65

## 2.4 Star Slots

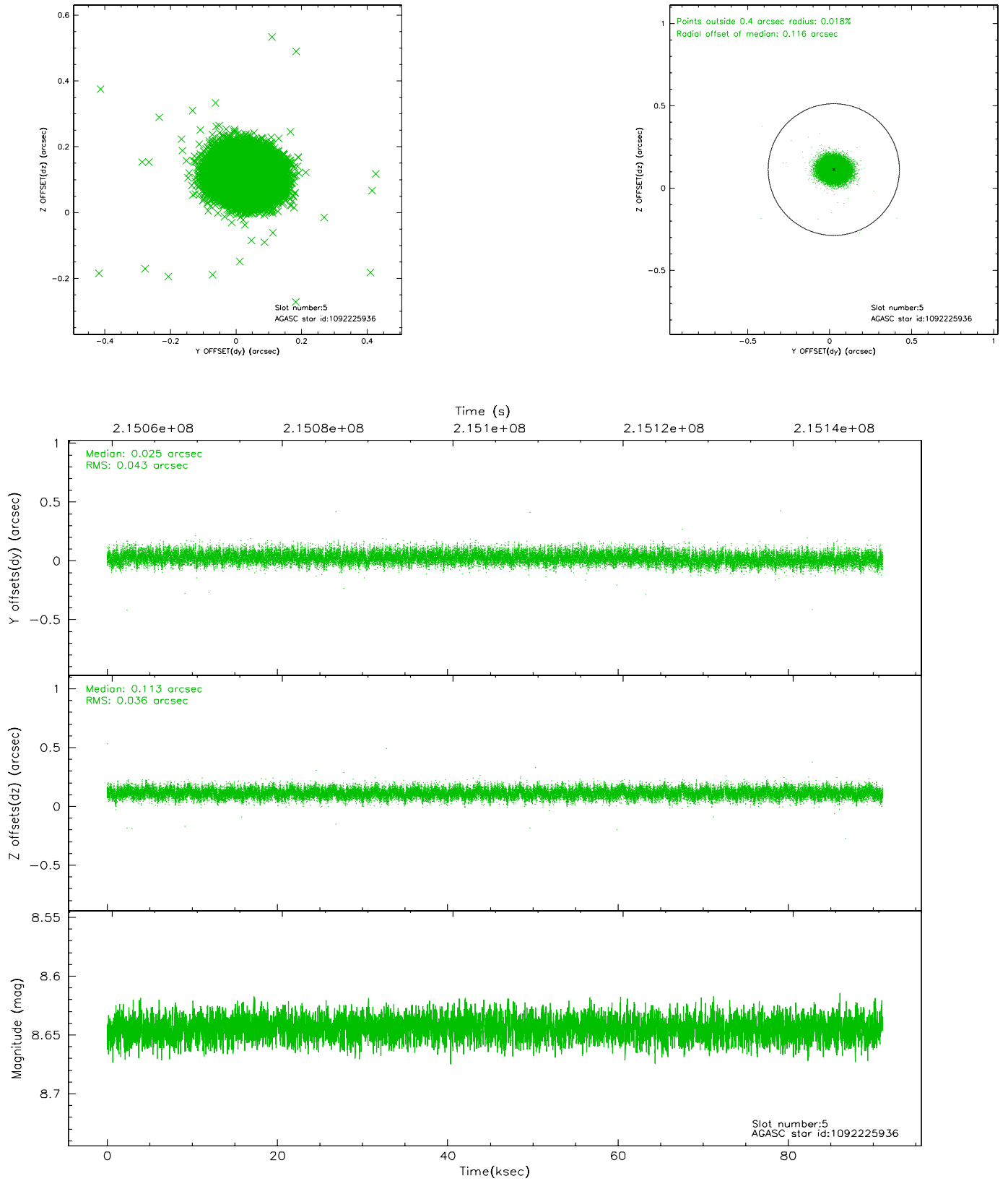
### 2.4.1 Slot 3



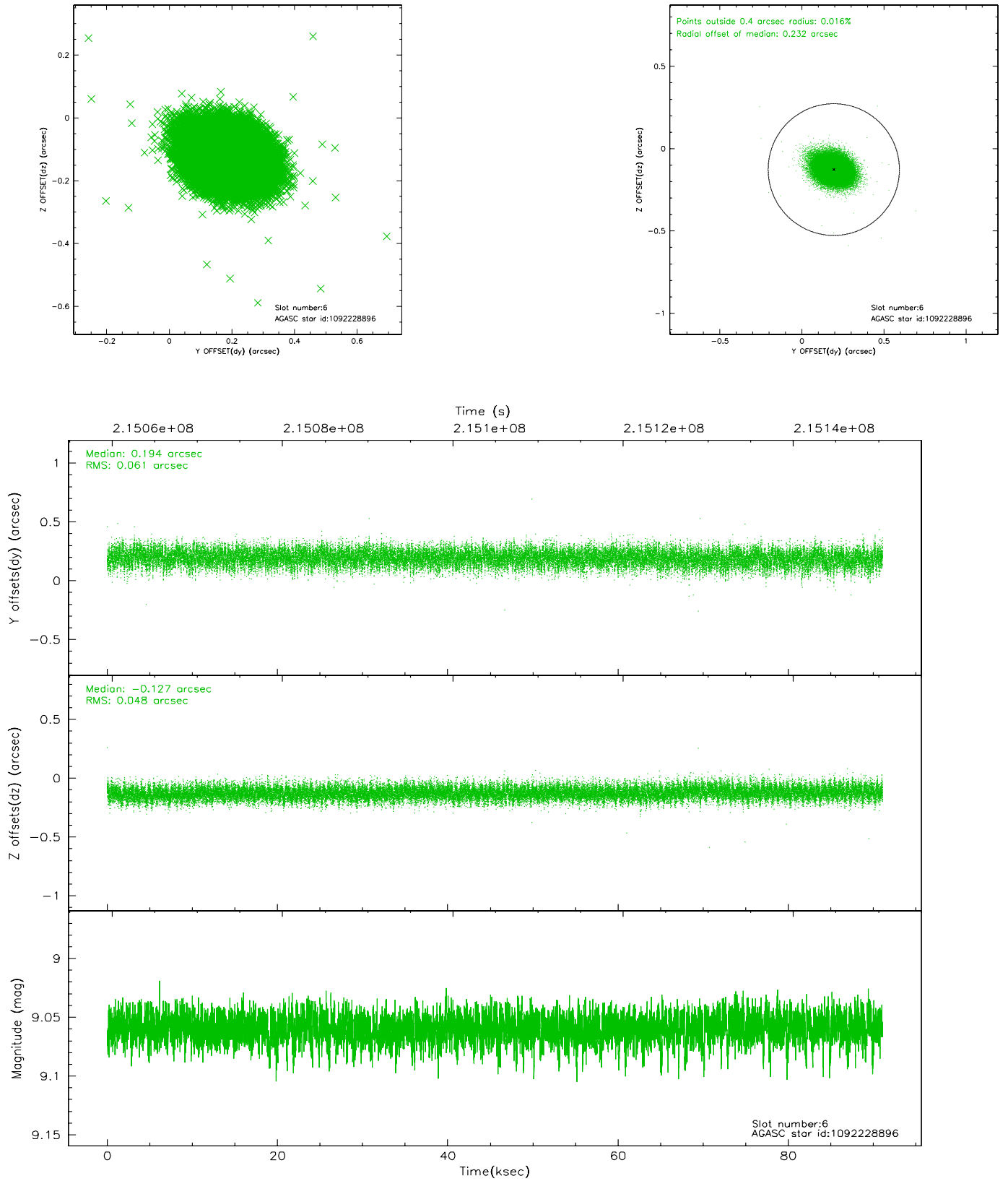
## 2.4.2 Slot 4



### 2.4.3 Slot 5

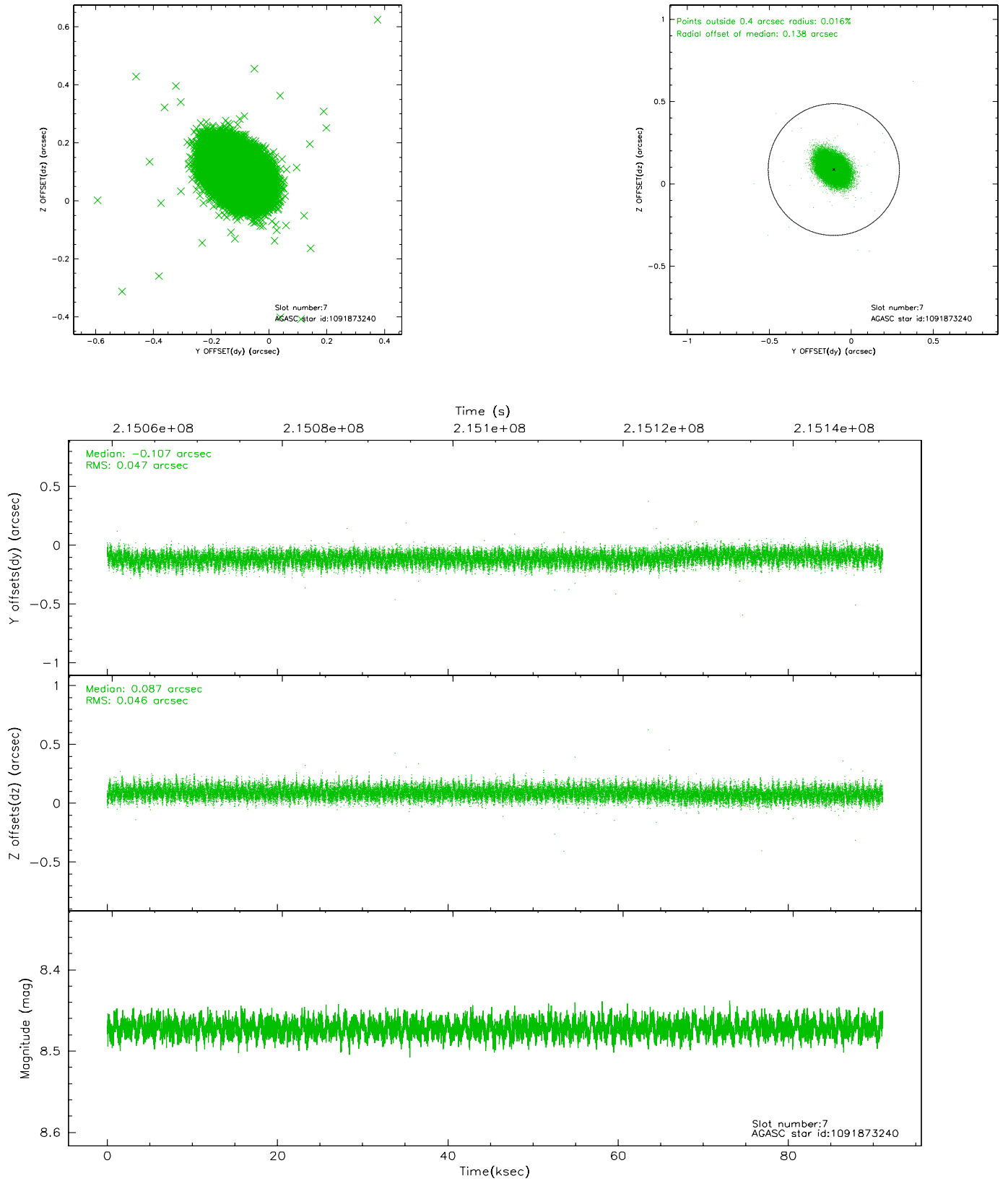


## 2.4.4 Slot 6



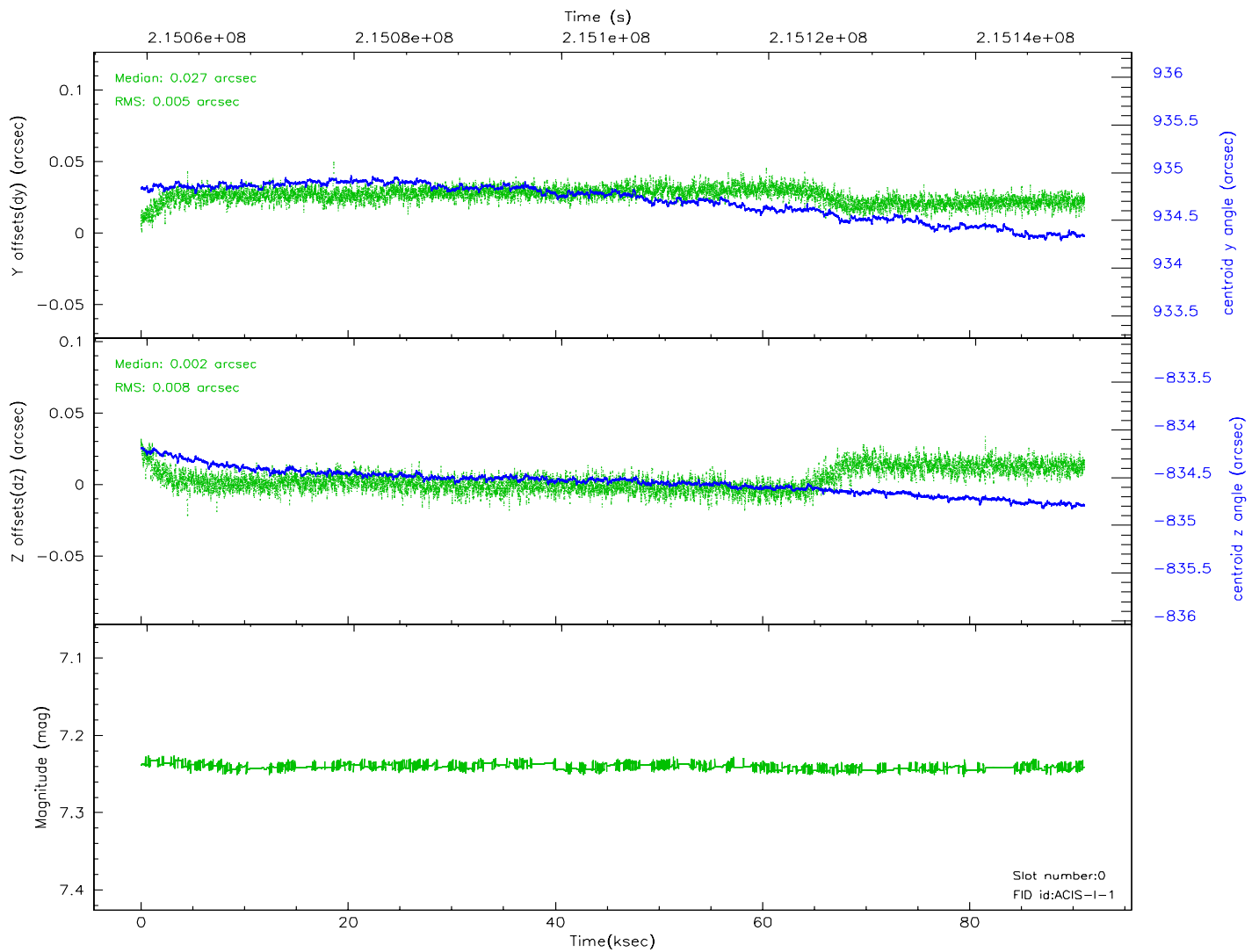
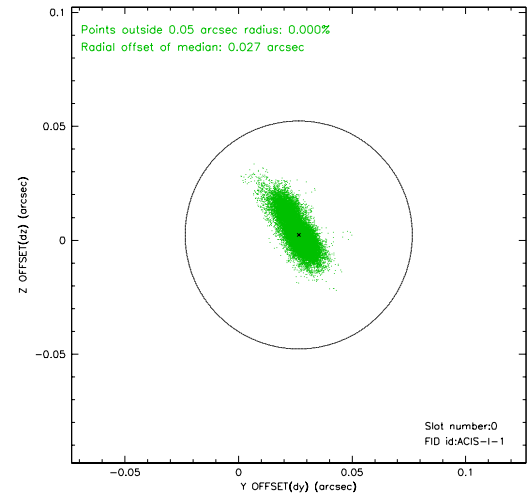
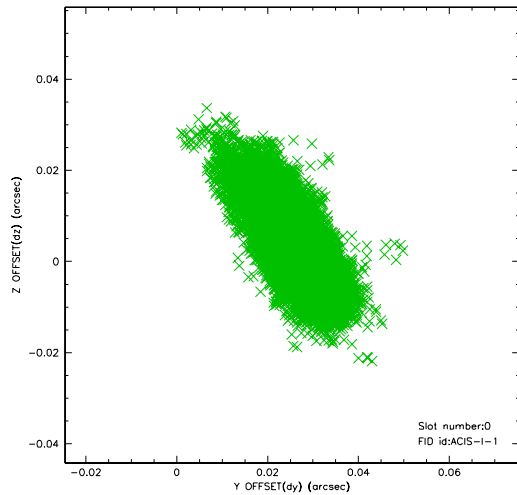


## 2.4.5 Slot 7

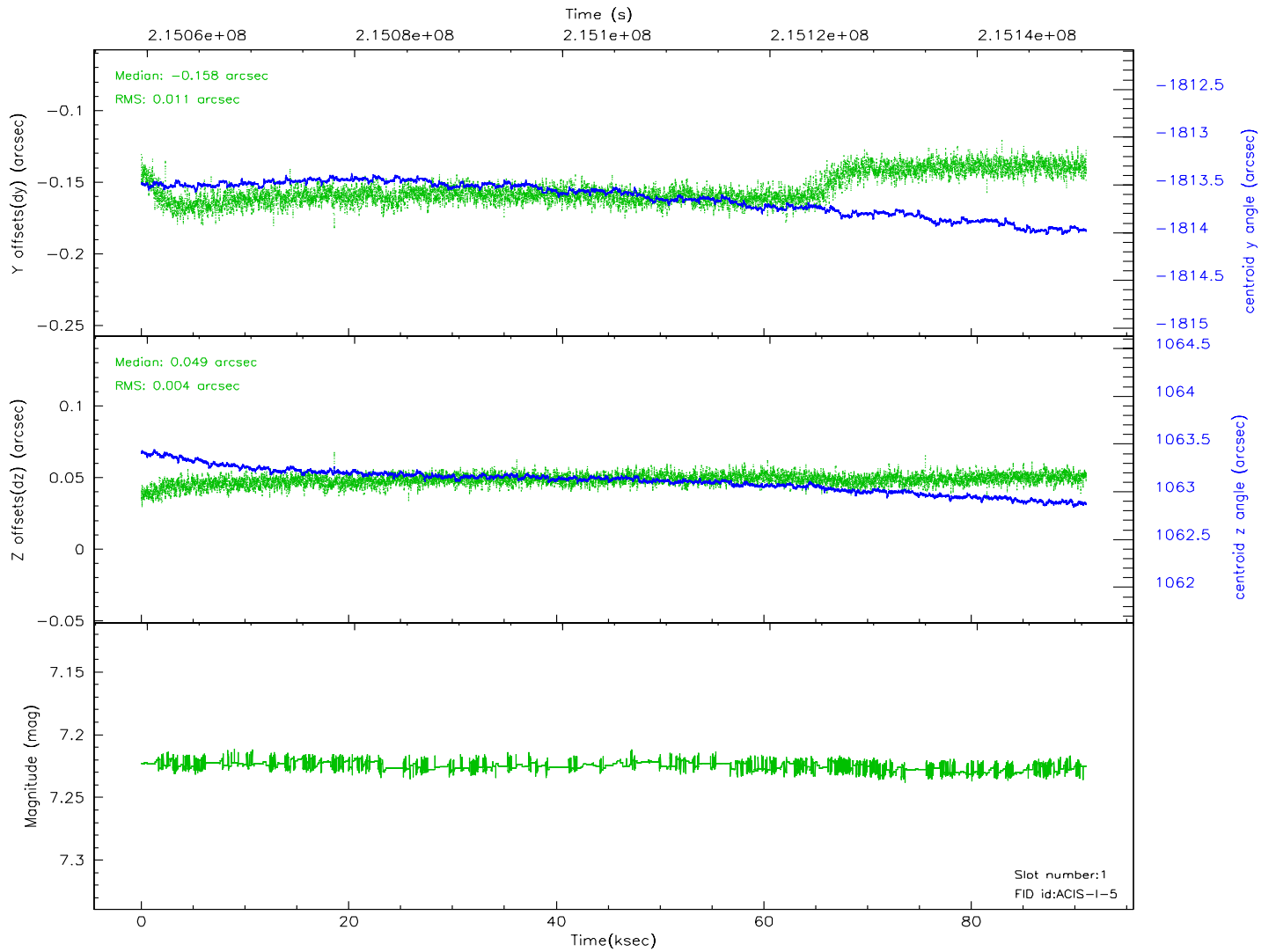
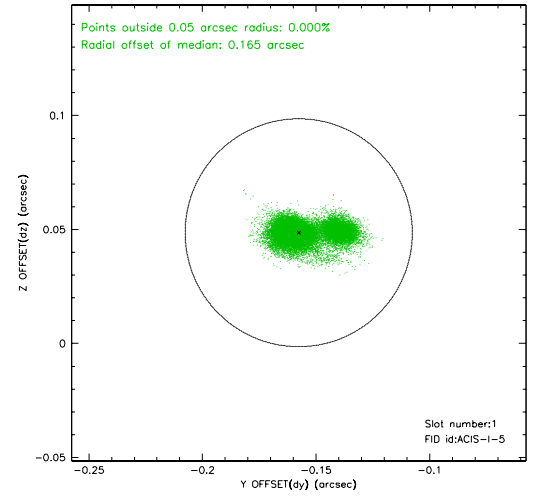
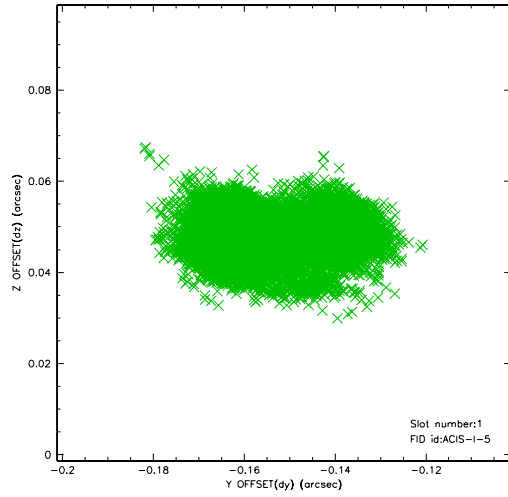


## 2.5 FID Slots

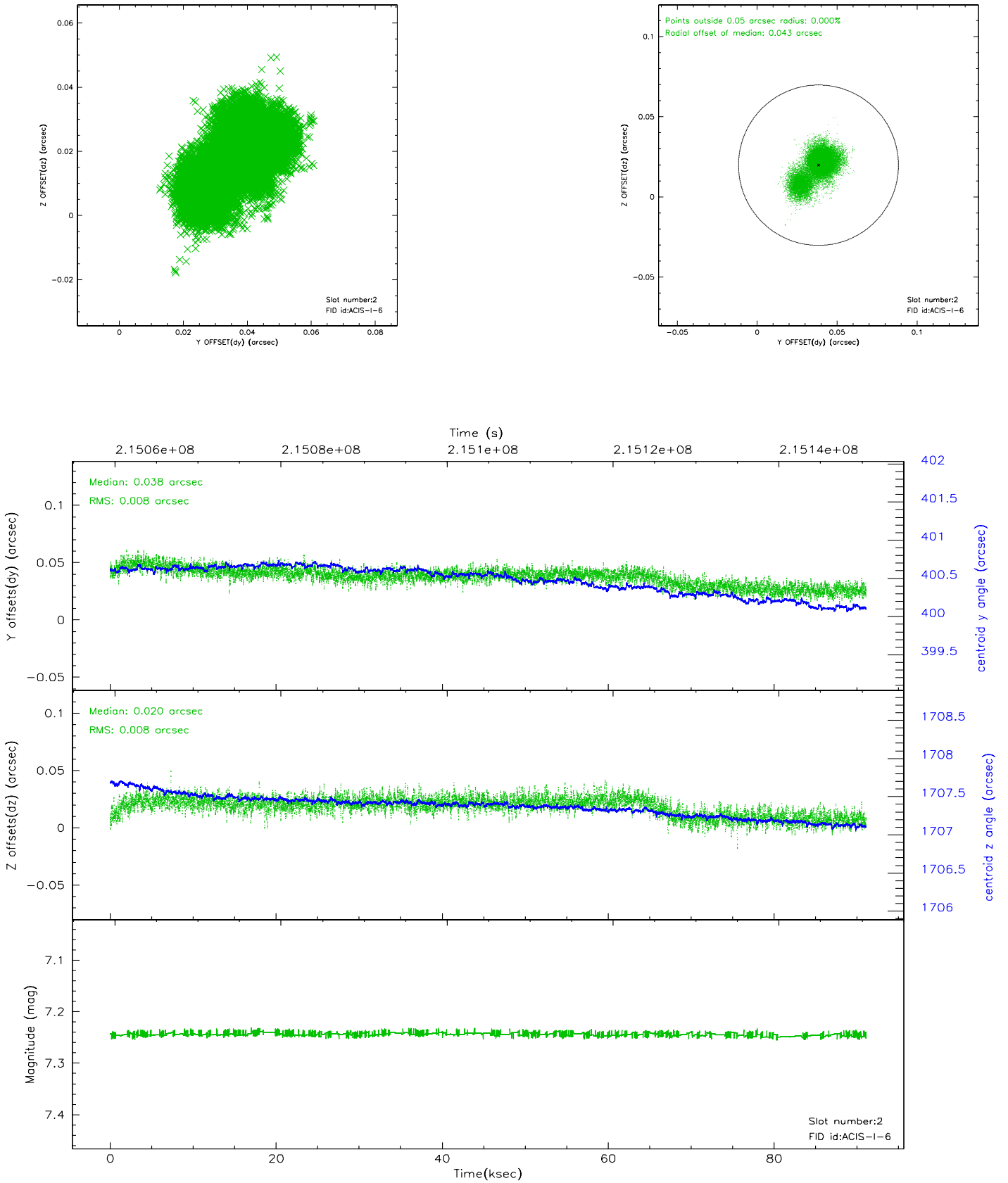
### 2.5.1 Slot 0



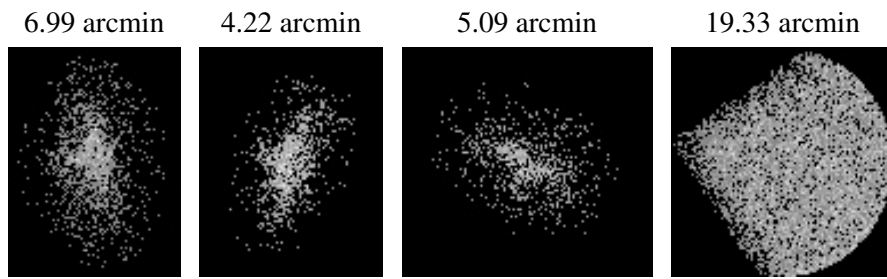
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	89.951

### A.2 Comments

Roll preference met.