

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2403 - L2 Version 001  
Chandra X-Ray Center

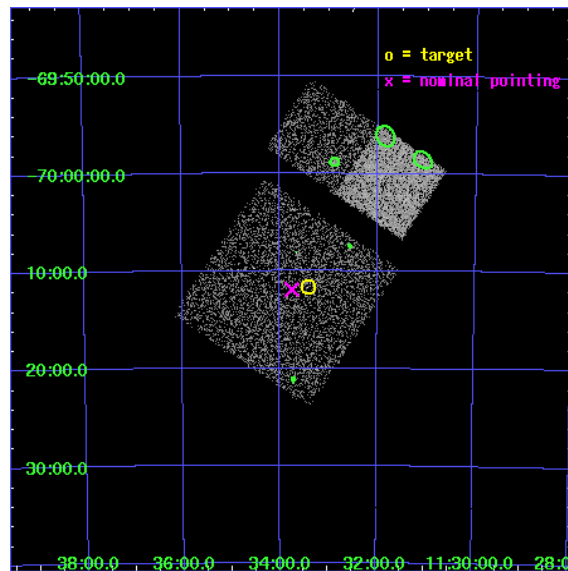
L2 Processing Date : Aug 31 2006

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# 1 Front

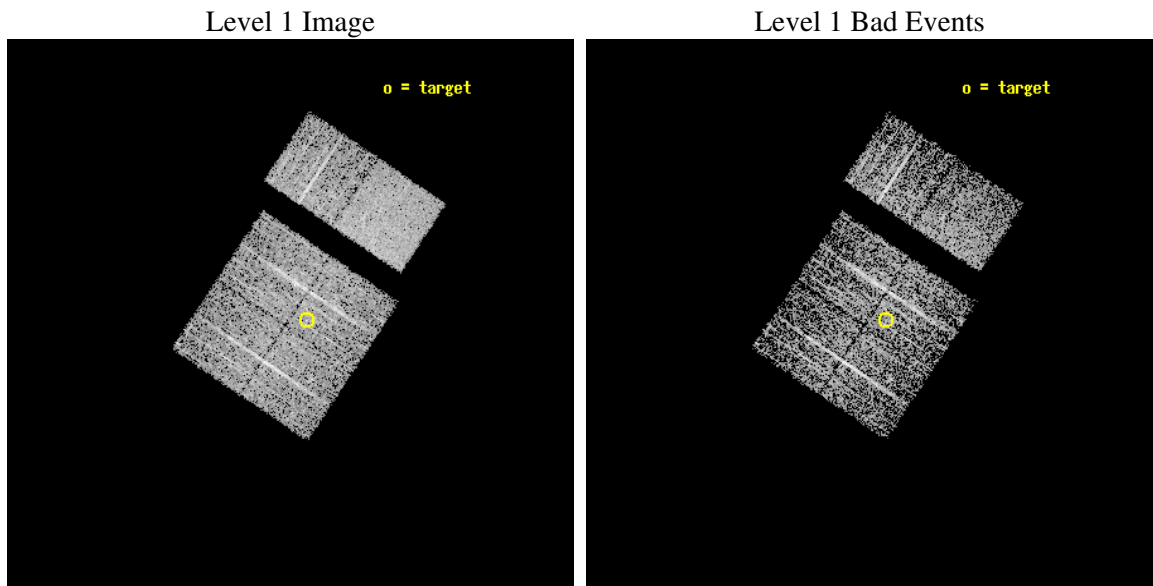
seq_num	200127
obs_id	2403
title	OBSERVATION OF SCO-CEN OUTLYERS
observer	Professor Gordon Garmire
object	HD100546
dtcycle	0
cycle	P
ra_targ	173.355833
dec_targ	-70.194722
ra_nom	173.43742148174
dec_nom	-70.198469626829
roll_nom	33.753523098919
revision	3
ontime	2656.0000024736
livetime	2622.3681311911
ontime0	2656.0000024736
ontime1	2656.0000024736
ontime2	2656.0000024736
ontime3	2656.0000024736
ontime6	2656.0000024736
ontime7	2656.0000024736
l2events	16734



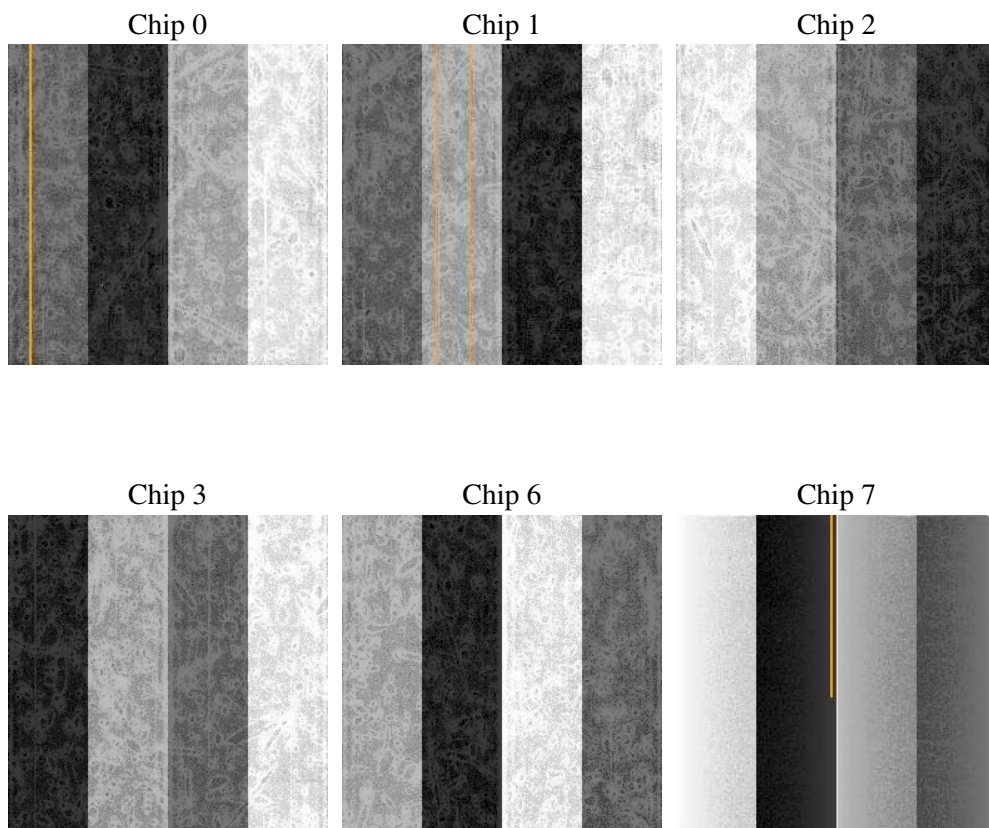
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-31T13:32:25
revision	3

sched_exp_time	2900.000000
ontime	2660.8600072265
ontime0	2660.8600072265
ontime1	2660.8600072265
ontime2	2660.8600072265
ontime3	2660.8600072265
ontime6	2660.8600072265
ontime7	2660.8600371331
l1events	100911

### 2.1.4 Events

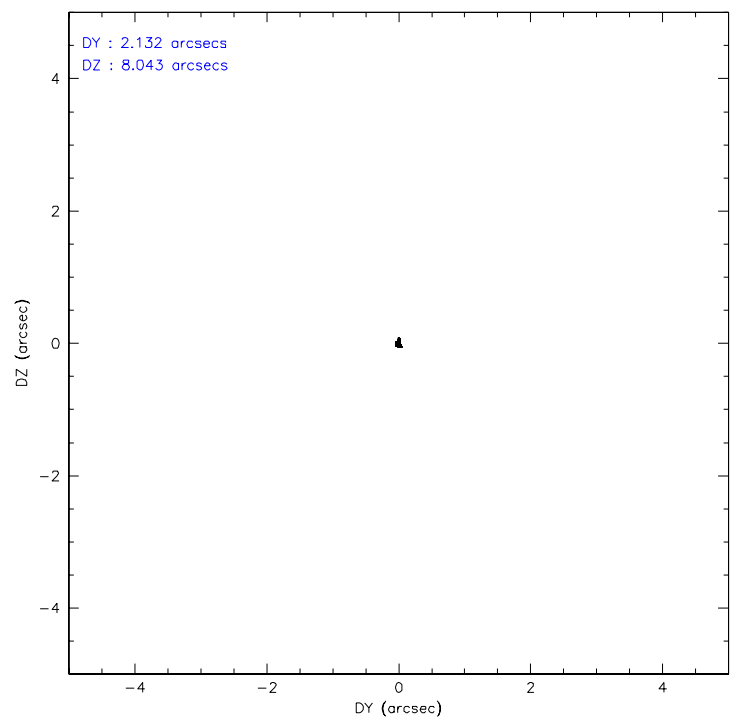
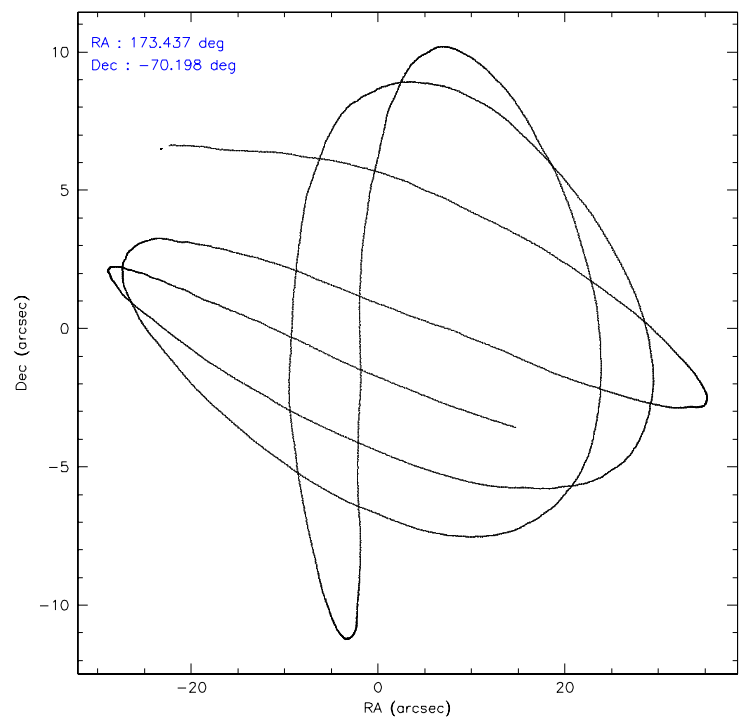
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	14621	15366	16132	16354	16492	21946
rejected events	12654	13221	14167	14467	14503	13591
rejected %	86%	86%	87%	88%	87%	61%

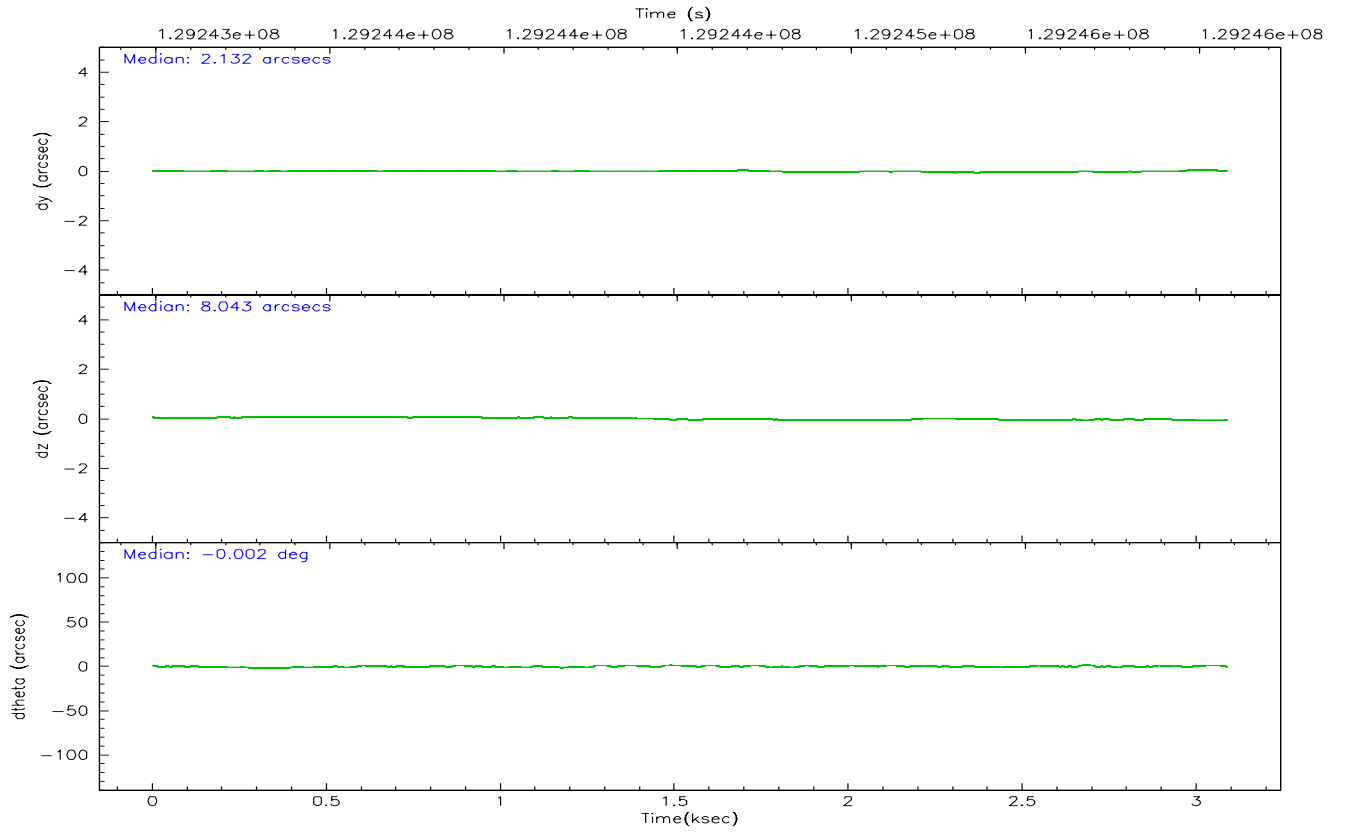
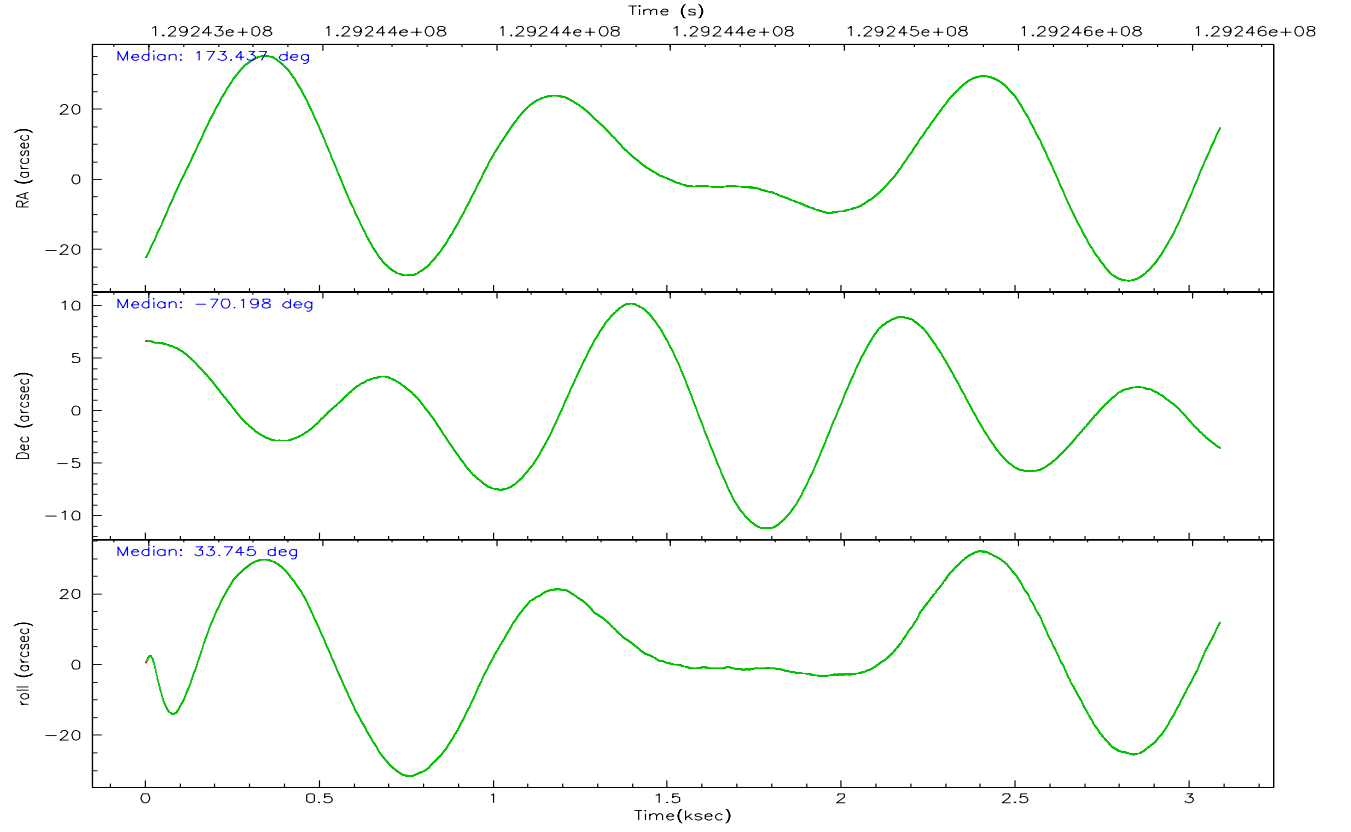
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	811	853	888	830	813	483
	5%	5%	5%	5%	4%	2%
grade 1 events	6	6	8	7	8	13
	0%	0%	0%	0%	0%	0%
grade 2 events	446	412	388	352	370	2081
	3%	2%	2%	2%	2%	9%
grade 3 events	197	229	200	190	187	465
	1%	1%	1%	1%	1%	2%
grade 4 events	177	229	162	163	207	417
	1%	1%	1%	0%	1%	1%
grade 5 events	581	747	606	669	752	1477
	3%	4%	3%	4%	4%	6%
grade 6 events	337	426	328	352	413	4916
	2%	2%	2%	2%	2%	22%
grade 7 events	12066	12464	13552	13791	13742	12094
	82%	81%	84%	84%	83%	55%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	173.401965	173.437421481741	Alternating exposures requested	N	N
Pointing Dec	-70.223155	-70.19846962682938	Primary exposure time	0.000000	3.2
Pointing Roll	33.511312	33.7535230989193			
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	129243182.184000	129242638.49557			
Observation start date	2002-02-04T20:51:58	2002-02-04T20:43:58			
Observation end time	129246082.184000	129246216.25822			
Observation end date	2002-02-04T21:40:18	2002-02-04T21:43:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect



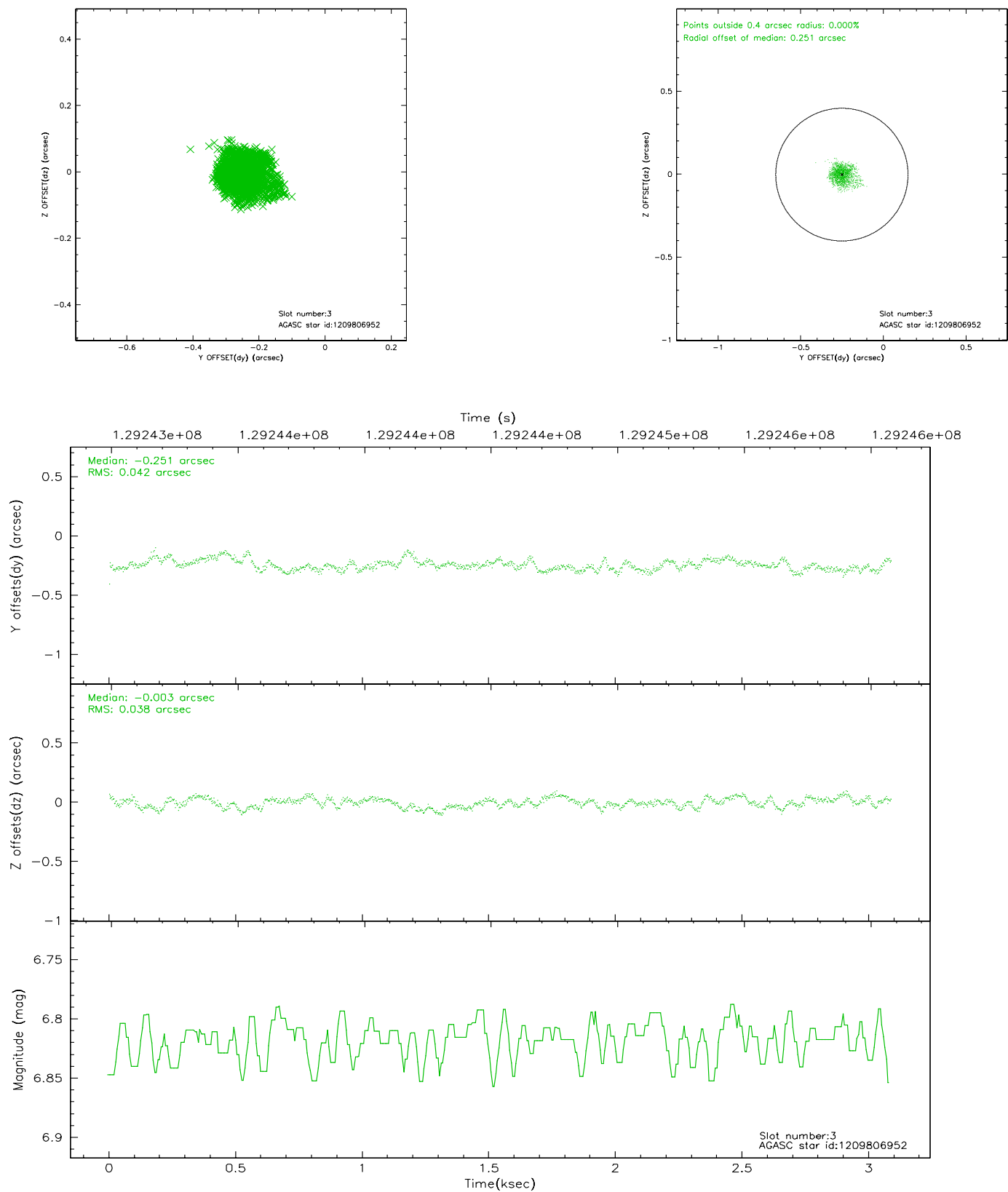


### Slot Statistics

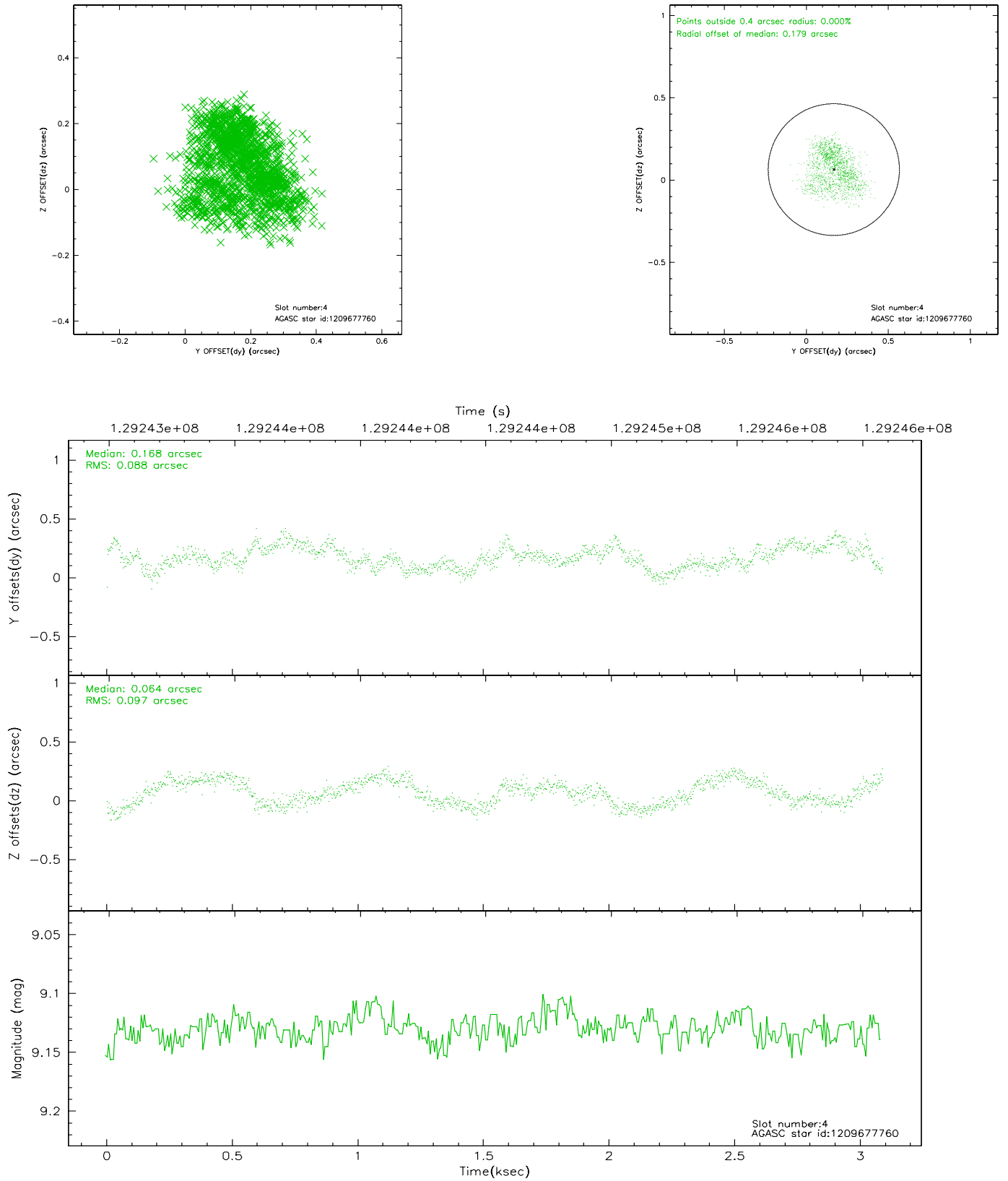
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	754	-0.073	0.055	0.005	0.010	0.000000	0.000000	937.61	-831.43
1	FID	ACIS-I-5	7.24	754	0.012	-0.005	0.005	0.010	0.000000	0.000000	-1809.25	1064.99
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1209806952	6.82	1507	-0.251	-0.003	0.060	0.098	174.311027	-69.674228	2033.55	1012.96
4	GUIDE	1209677760	9.13	1507	0.168	0.064	0.144	0.210	171.899645	-70.126361	-1351.81	1286.83
5	GUIDE	1209808912	9.59	1506	-0.039	0.175	0.109	0.181	174.926008	-70.456656	1052.45	-1732.41
6	GUIDE	1209675144	9.37	1506	-0.063	-0.147	0.117	0.177	173.252205	-70.915996	-1523.63	-1984.47
7	GUIDE	1209684208	9.96	1504	0.177	-0.092	0.202	0.321	170.984969	-70.133892	-2321.07	1849.09

## 2.4 Star Slots

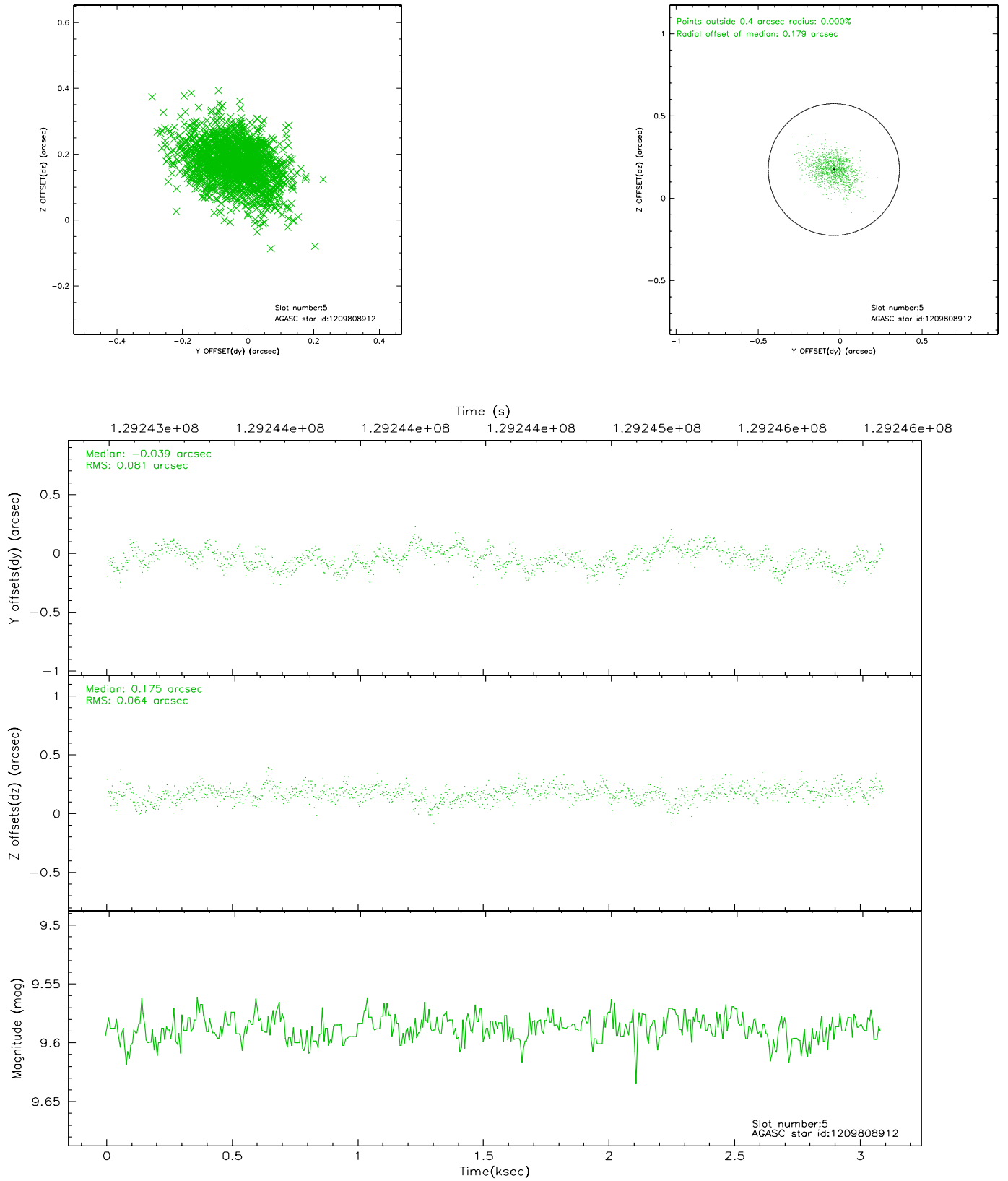
### 2.4.1 Slot 3



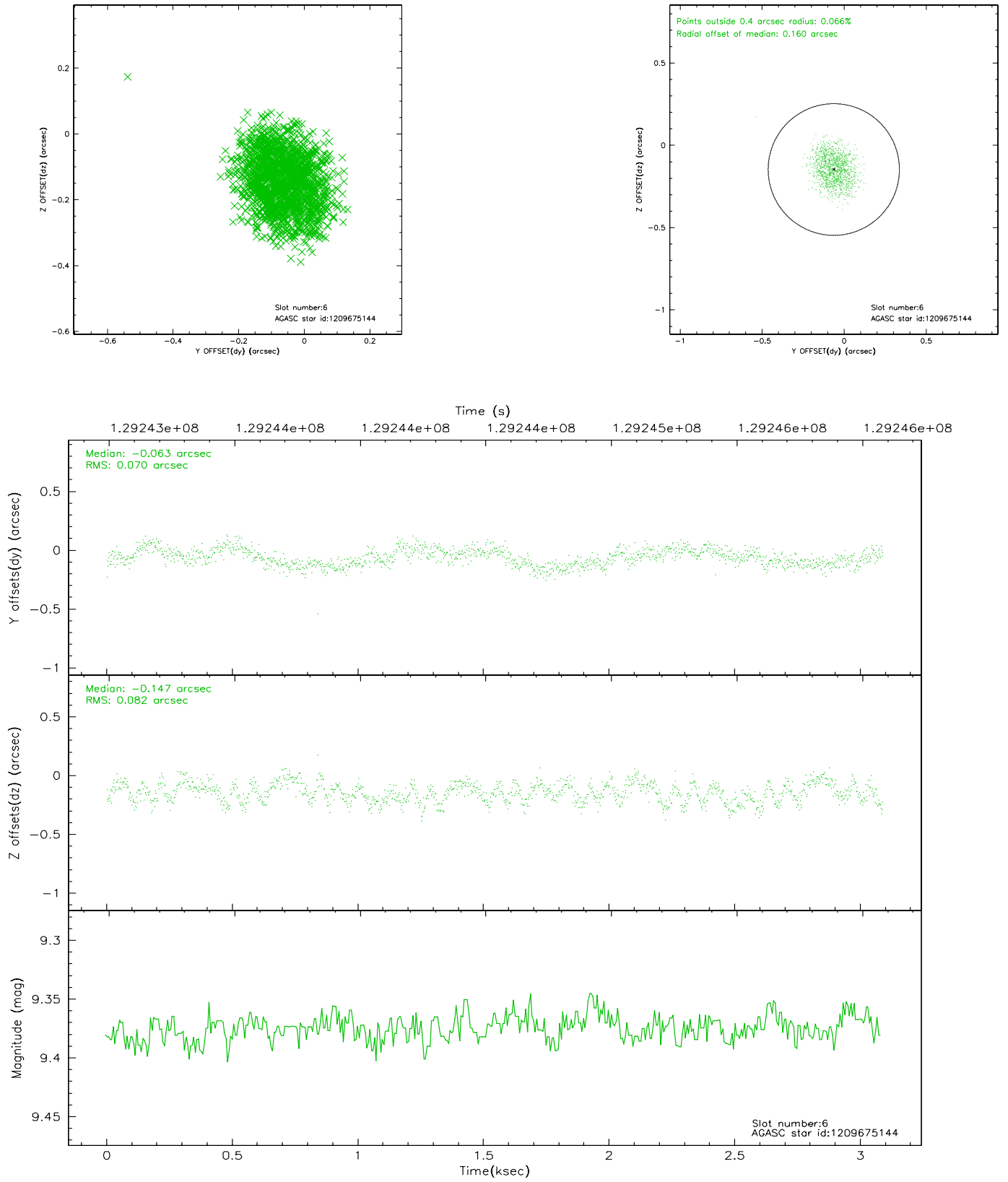
## 2.4.2 Slot 4



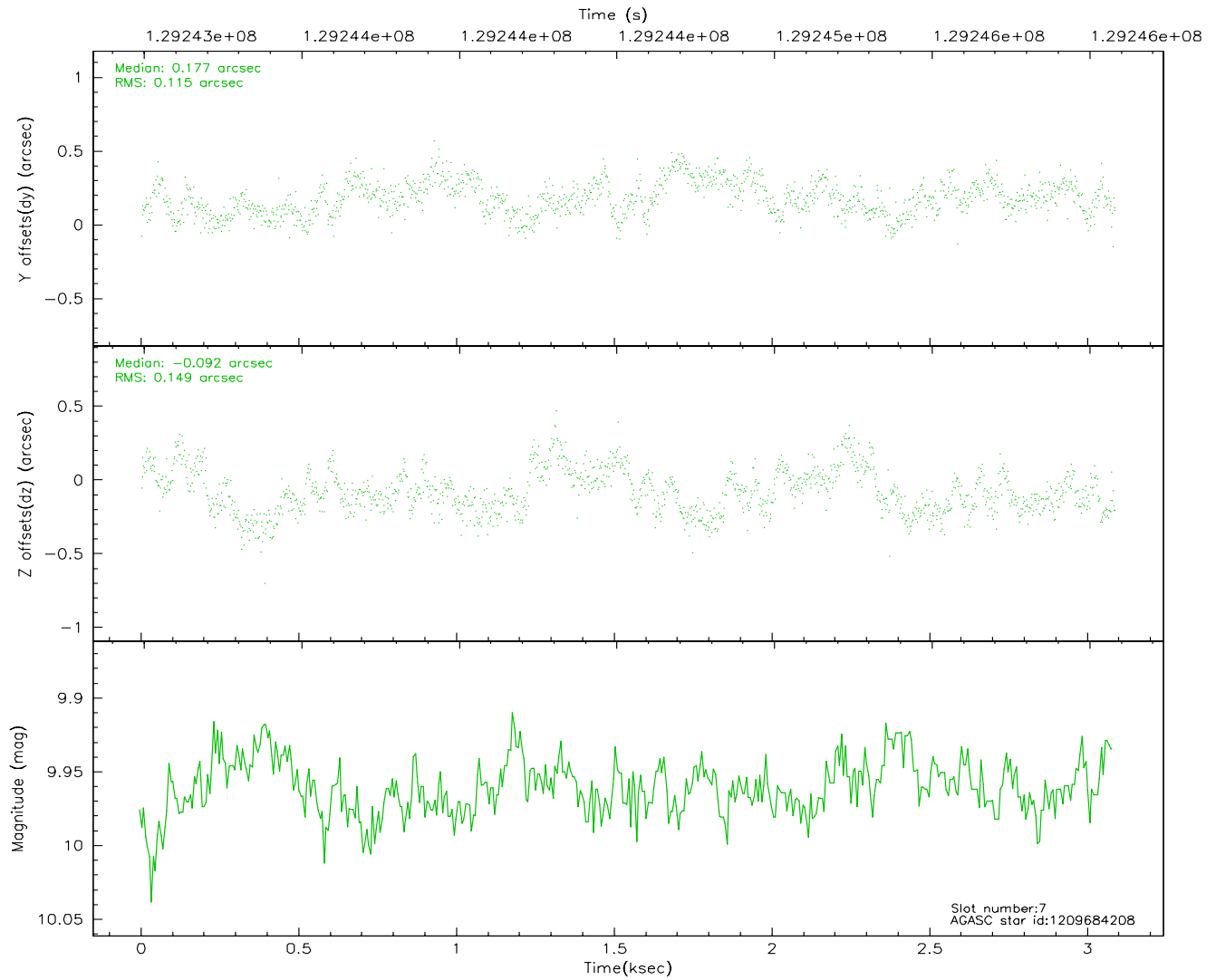
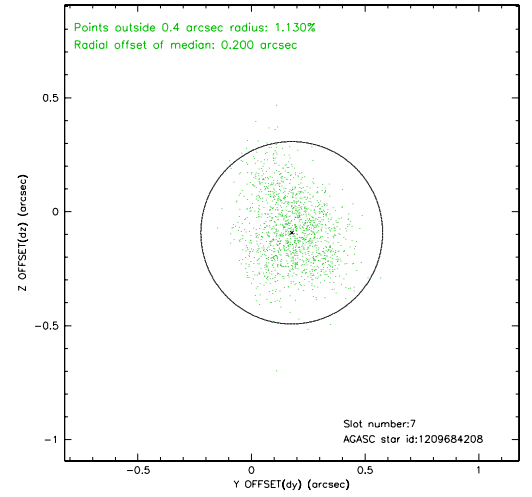
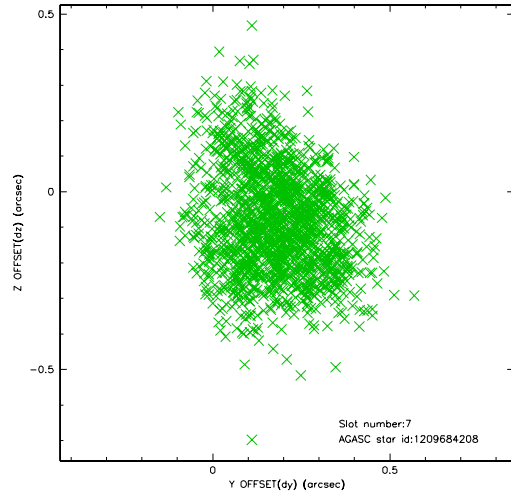
### 2.4.3 Slot 5



## 2.4.4 Slot 6

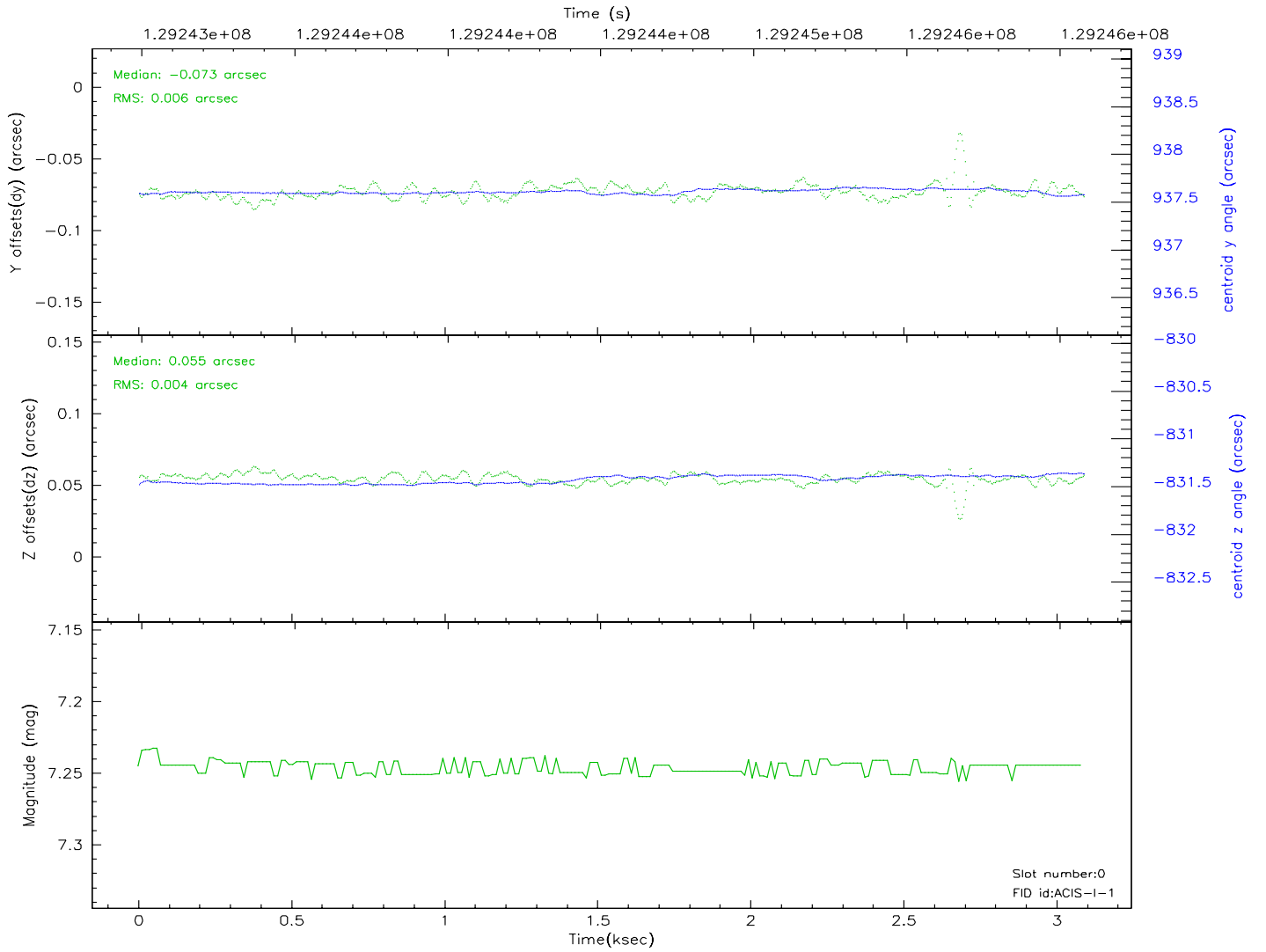
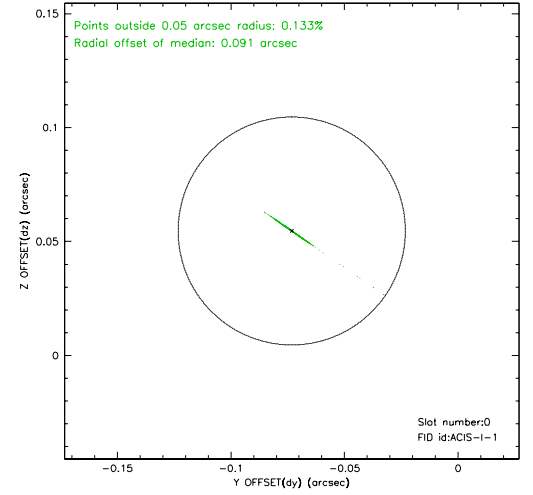
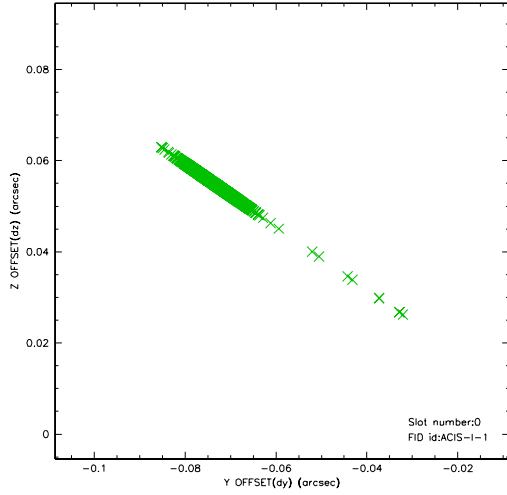


## 2.4.5 Slot 7

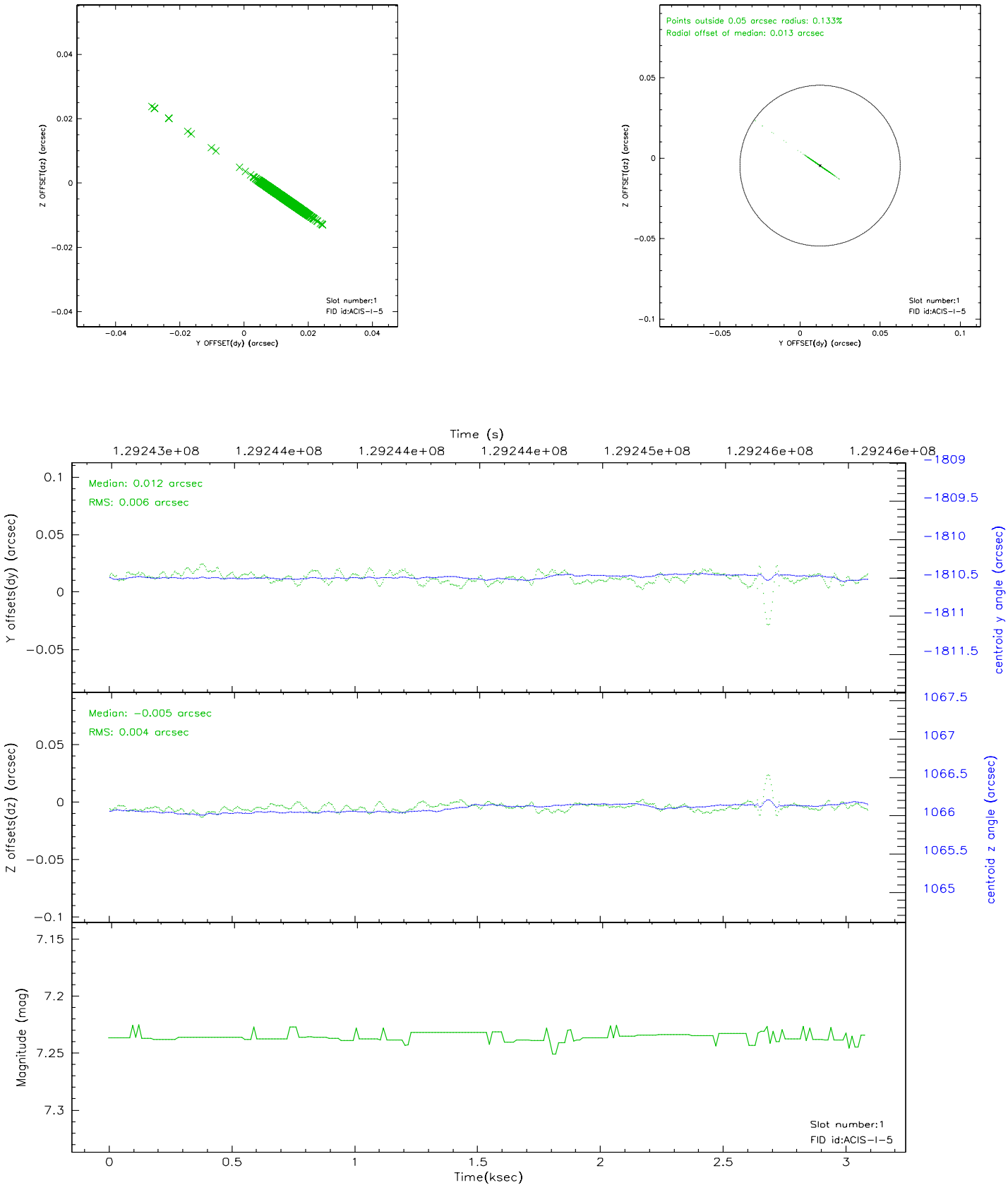


## 2.5 FID Slots

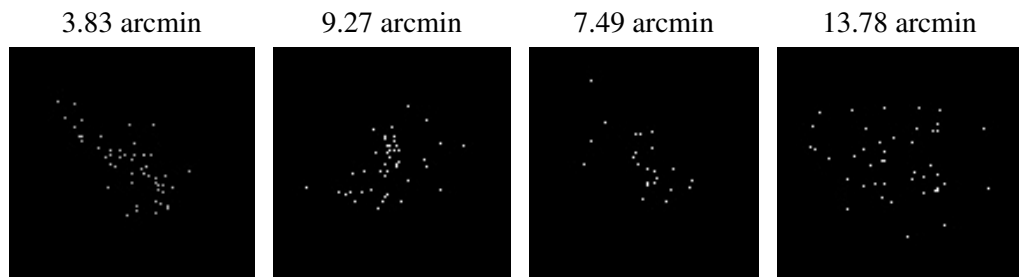
### 2.5.1 Slot 0



2.5.2 Slot 1



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	2.656

## A.2 Comments

The fid light in slot 2 was manually excluded from the processing due to poor data quality.