

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4168 - L2 Version 001  
Chandra X-Ray Center

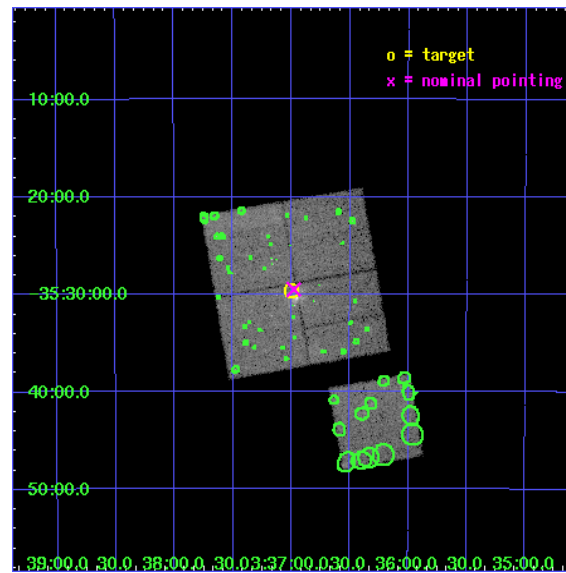
L2 Processing Date : Aug 12 2006

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# 1 Front

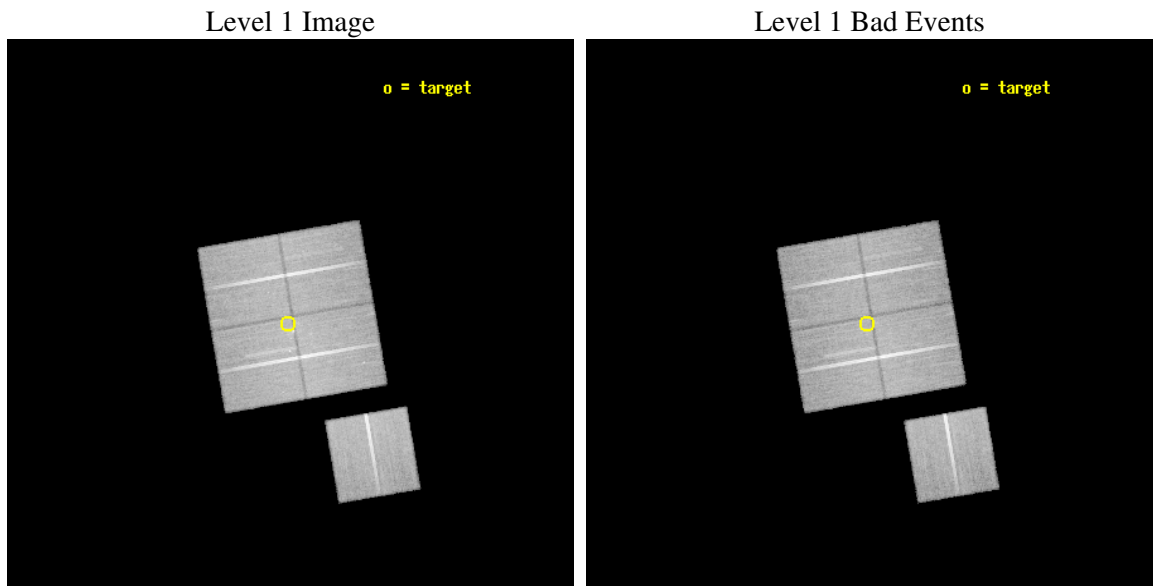
seq_num	800324
obs_id	4168
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES
observer	Dr Caleb Scharf
object	FORNAX CLUSTER
dtcycle	0
cycle	P
ra_targ	54.24936
dec_targ	-35.4944
ra_nom	54.244583650774
dec_nom	-35.49188225962
roll_nom	170.20592076811
revision	2
ontime	46236.295139819
livetime	45632.183905152
ontime0	46236.295149833
ontime1	46236.295079947
ontime2	46245.717990607
ontime3	46236.295139819
ontime6	46242.577030361
l2events	127646



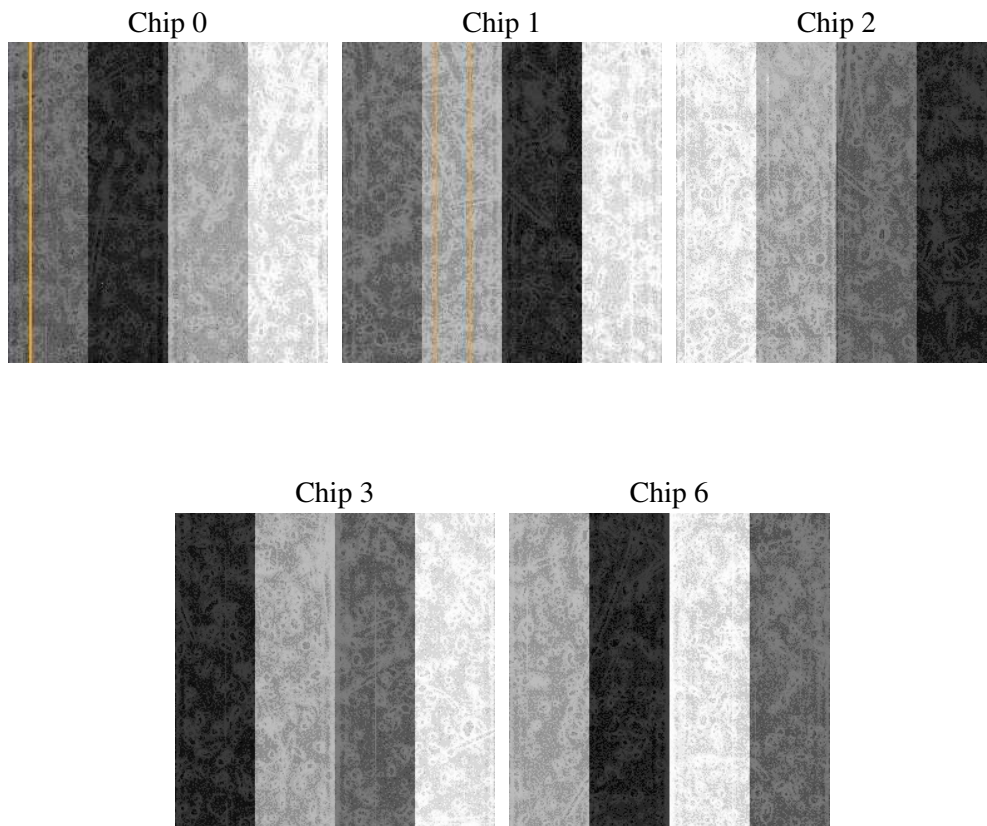
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-12T08:29:24
revision	2

sched_exp_time	46116.000000
ontime	46631.284396112
ontime0	46631.284406126
ontime1	46631.284336239
ontime2	46637.56627664
ontime3	46631.284396112
ontime6	46637.566286653
l1events	1267881

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	240884	247083	266208	261505	252201
rejected events	212644	211962	237808	229877	225631
rejected %	88%	85%	89%	87%	89%

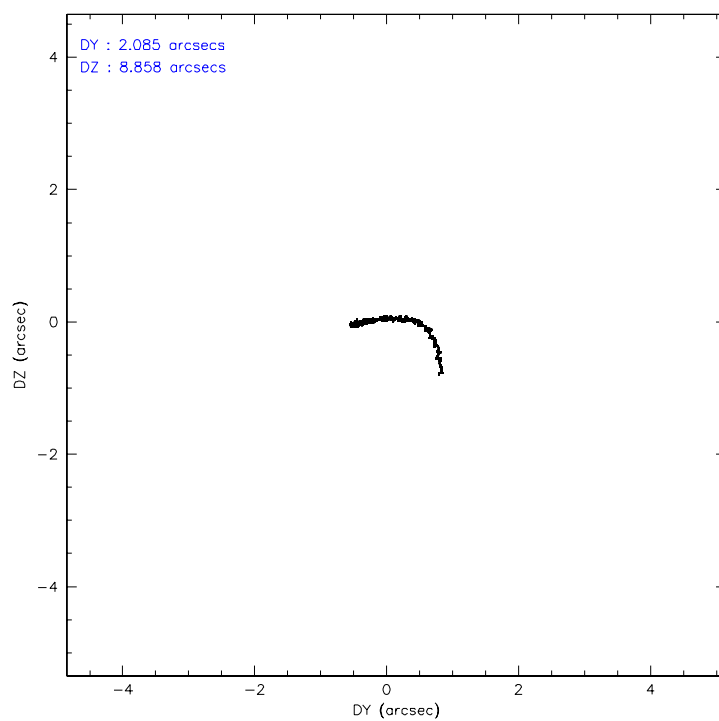
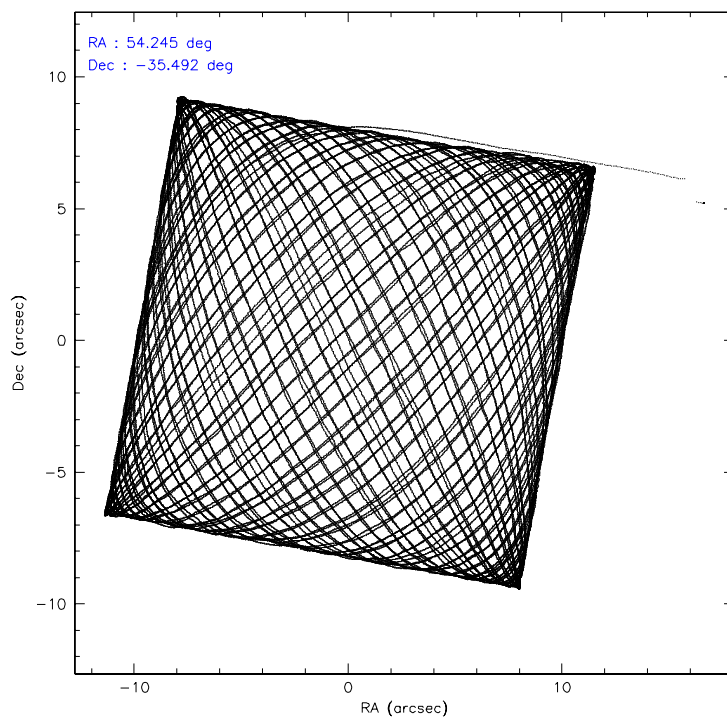
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11822	16776	12608	15726	10327
	4%	6%	4%	6%	4%
grade 1 events	129	132	120	165	90
	0%	0%	0%	0%	0%
grade 2 events	6148	6460	5938	5669	5371
	2%	2%	2%	2%	2%
grade 3 events	3020	3358	2891	2972	2960
	1%	1%	1%	1%	1%
grade 4 events	2751	3305	2748	2874	2821
	1%	1%	1%	1%	1%
grade 5 events	8568	9119	8299	9797	9585
	3%	3%	3%	3%	3%
grade 6 events	4752	5476	4451	4625	5331
	1%	2%	1%	1%	2%
grade 7 events	203694	202457	229153	219677	215716
	84%	81%	86%	84%	85%

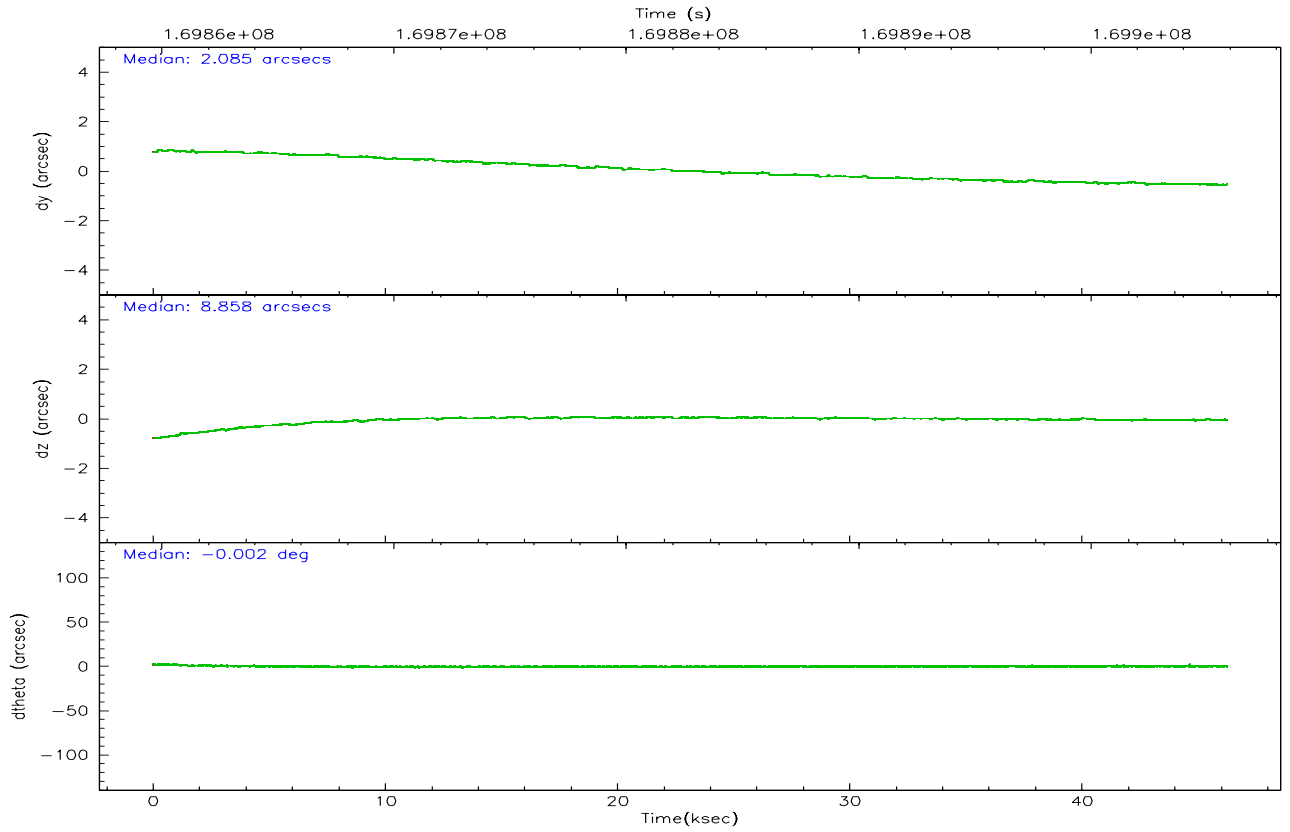
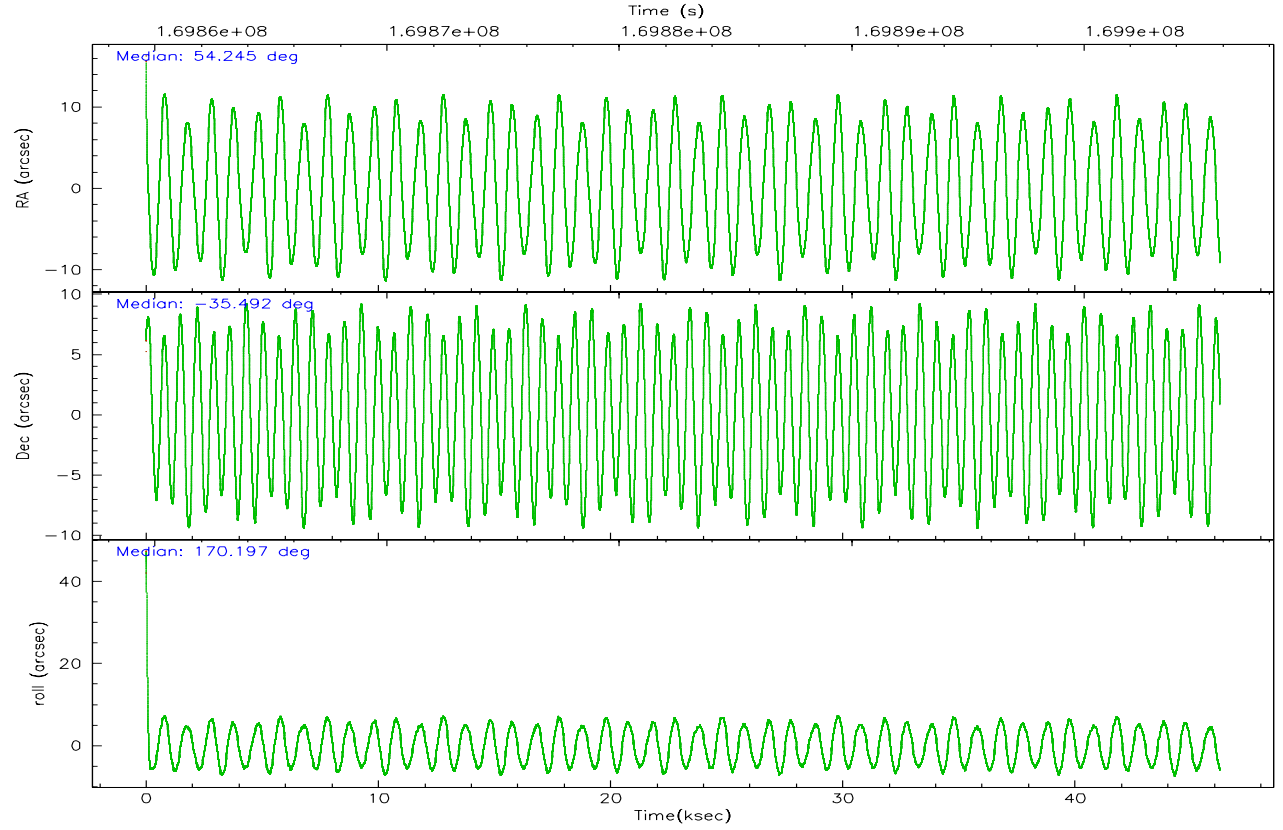


## 2.2 Compared Parameters

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	54.276083	54.2445836507743	Alternating exposures requested	N	N
Pointing Dec	-35.482330	-35.49188225962048	Primary exposure time	0.000000	3.1
Pointing Roll	170.015510	170.2059207681091			
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	169859752.184000	169858588.0513			
Observation start date	2003-05-20T23:14:48	2003-05-20T22:56:28			
Observation end time	169905868.184000	169906001.99081			
Observation end date	2003-05-21T12:03:24	2003-05-21T12:06:41			
Read mode	TIMED	TIMED			

## 2.3 Aspect



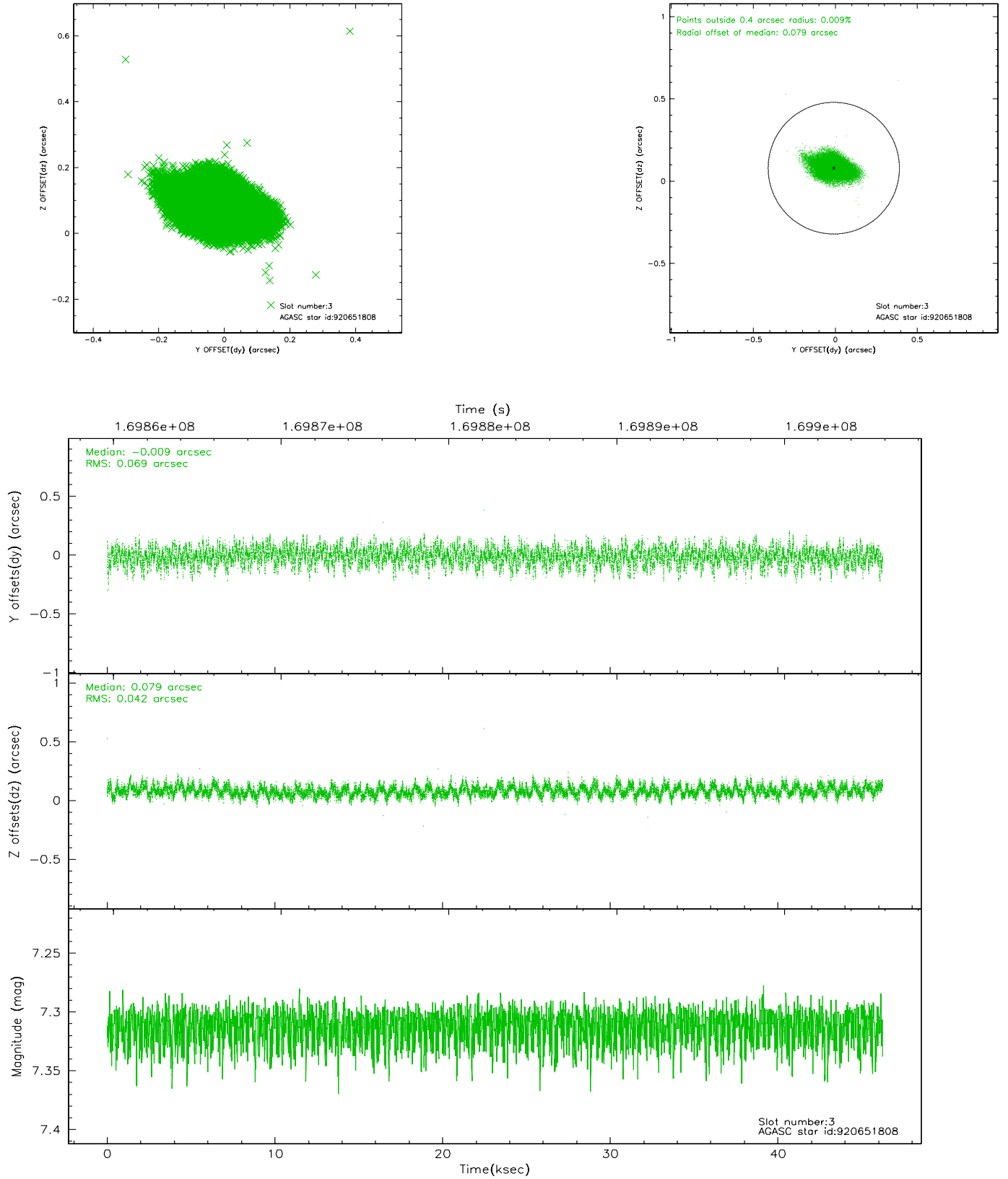


### Slot Statistics

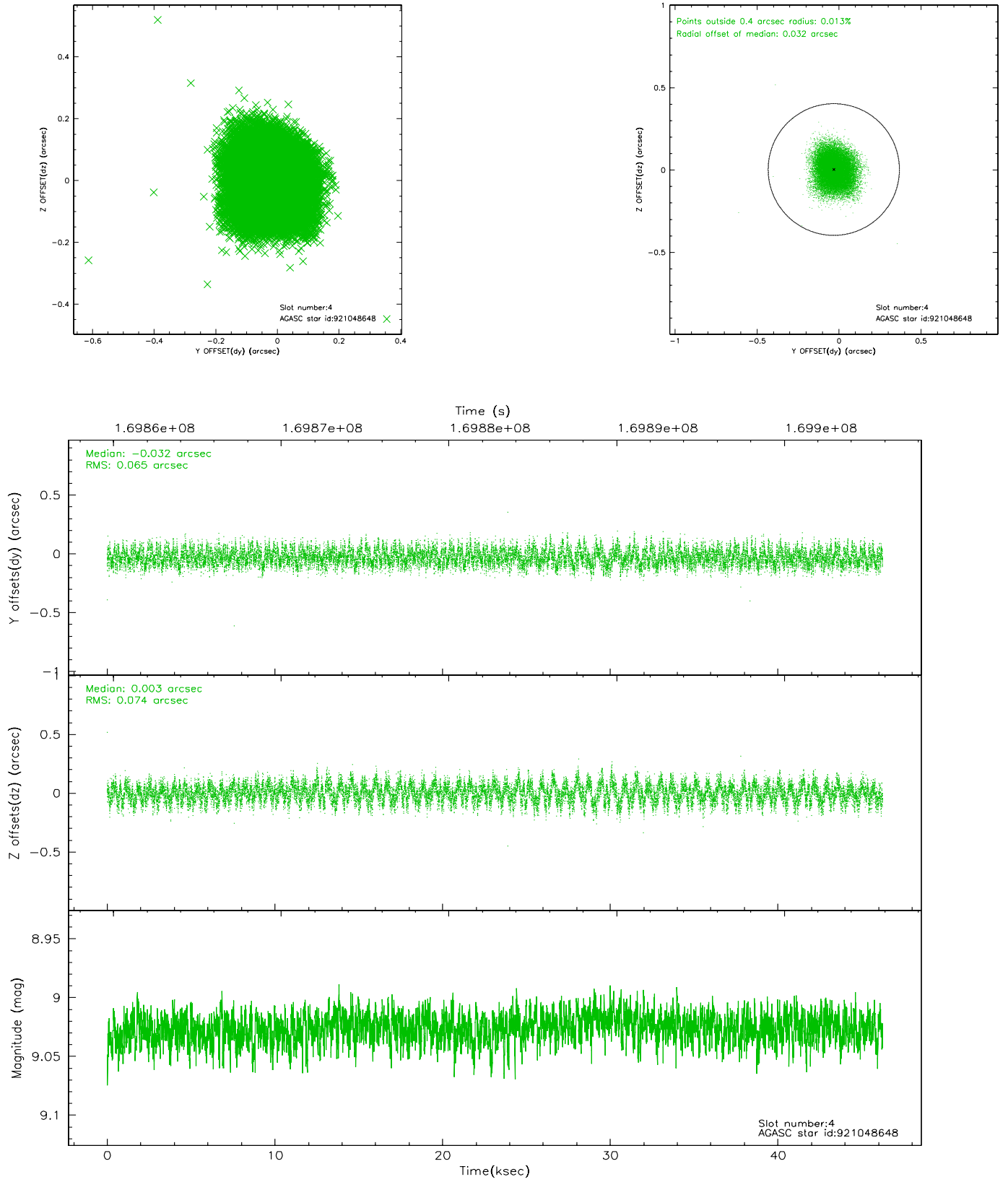
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11277	-0.048	0.089	0.010	0.020	0.000000	0.000000	937.61	-832.15
1	FID	ACIS-I-5	7.24	11275	-0.040	0.017	0.010	0.019	0.000000	0.000000	-1810.49	1065.27
2	FID	ACIS-I-6	7.26	11278	-0.002	-0.036	0.010	0.017	0.000000	0.000000	403.21	1709.71
3	GUIDE	920651808	7.31	22557	-0.009	0.079	0.085	0.143	53.624364	-34.832415	2301.72	-1963.30
4	GUIDE	921048648	9.03	22548	-0.032	0.003	0.106	0.167	53.884610	-35.870023	882.28	1574.97
5	GUIDE	921965624	8.63	22555	0.096	-0.060	0.089	0.144	54.900706	-35.940077	-2079.71	1312.99
6	GUIDE	921970016	9.41	22545	0.059	-0.180	0.108	0.176	54.228536	-36.081558	-238.71	2148.50
7	GUIDE	921572720	8.73	22548	-0.108	0.155	0.105	0.167	54.127171	-34.789534	866.37	-2378.97

## 2.4 Star Slots

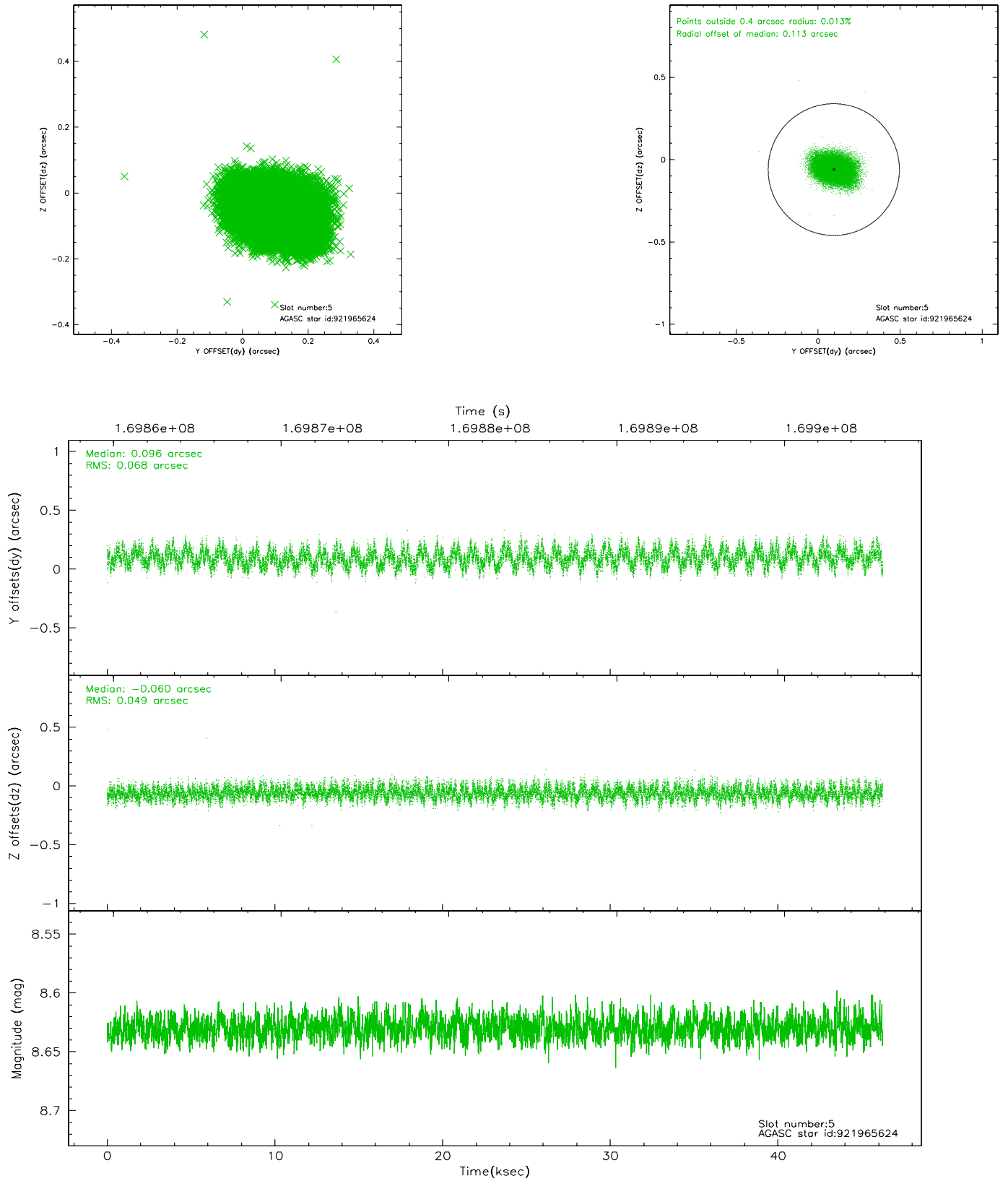
### 2.4.1 Slot 3



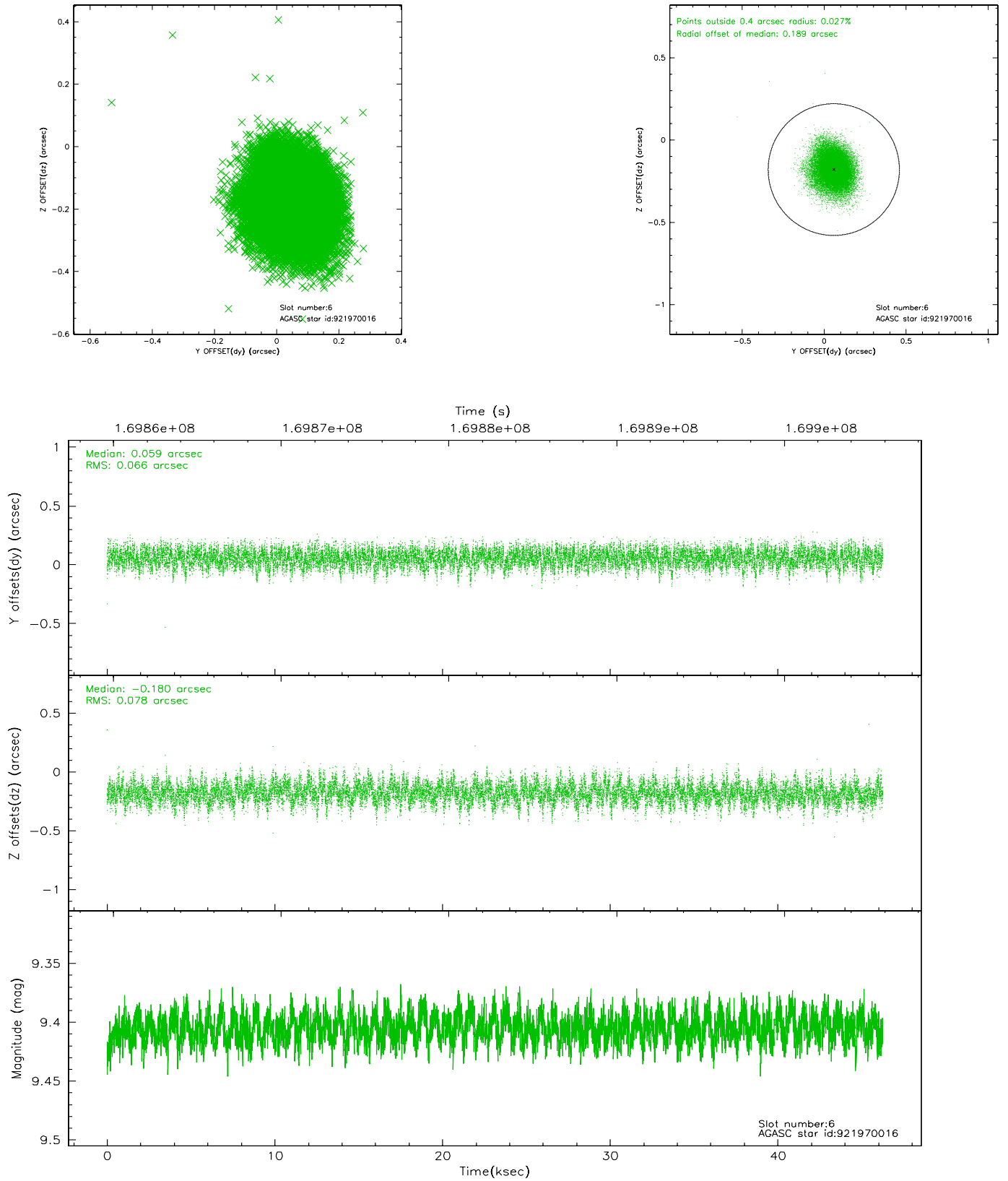
## 2.4.2 Slot 4



### 2.4.3 Slot 5

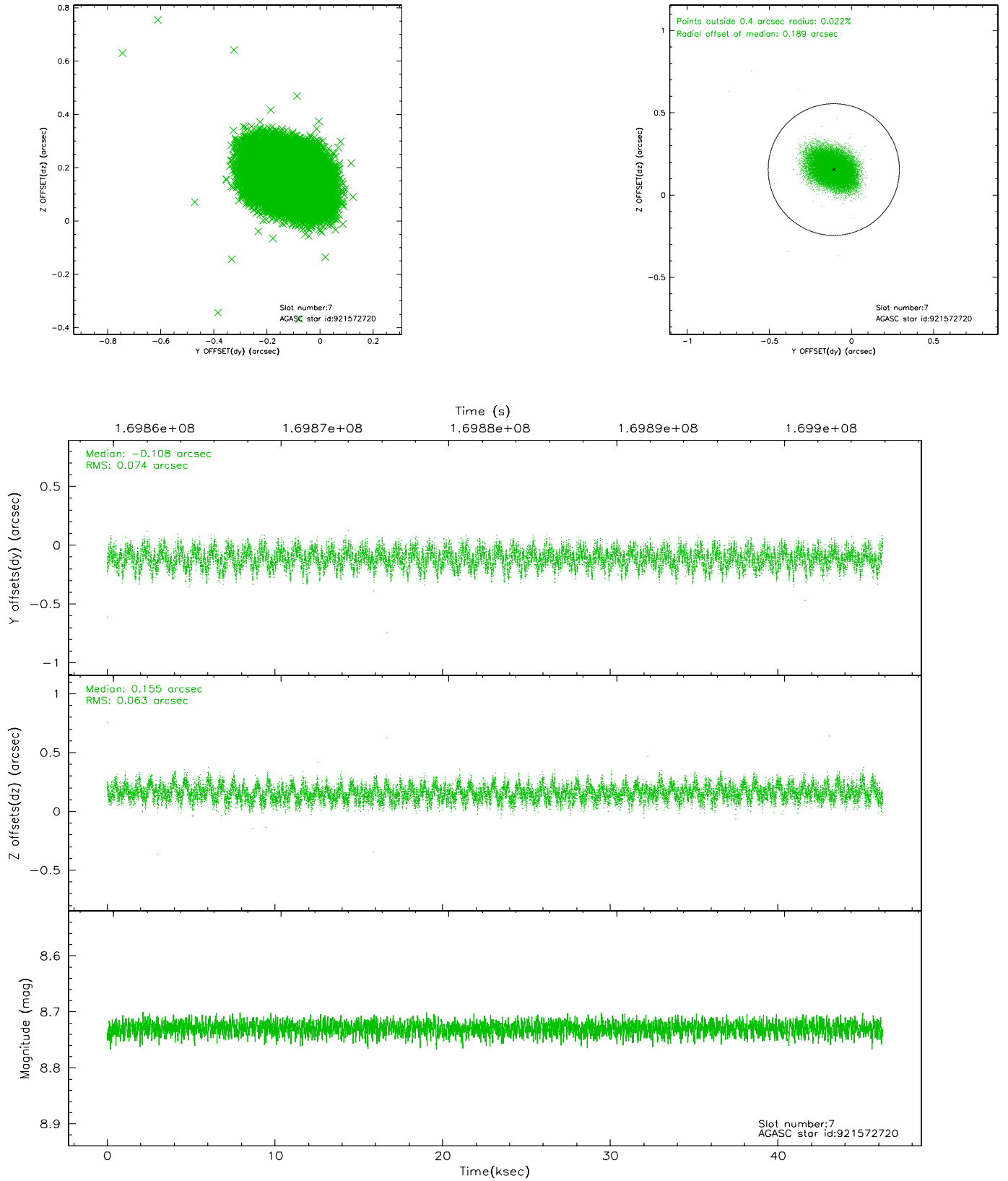


## 2.4.4 Slot 6



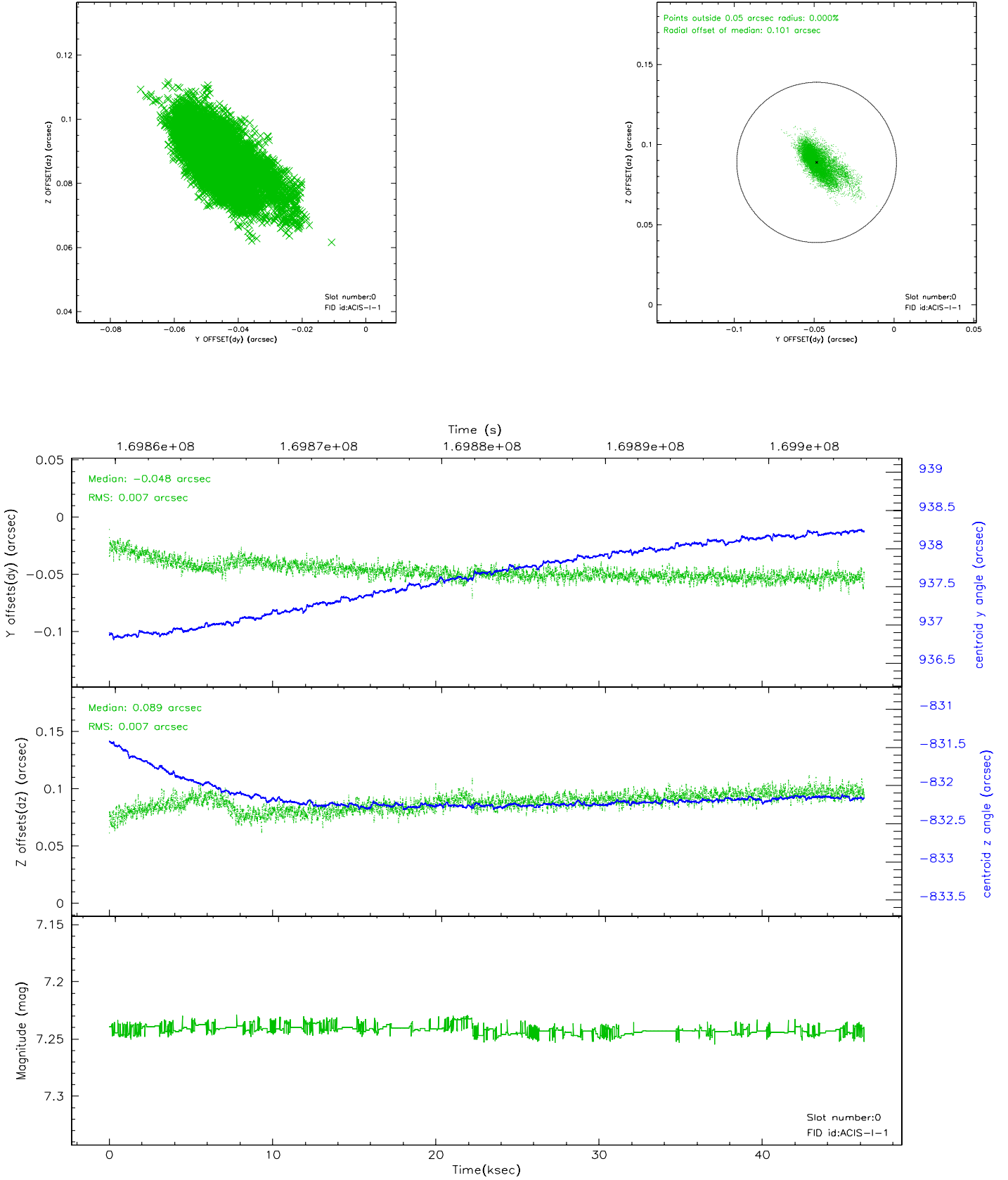


## 2.4.5 Slot 7

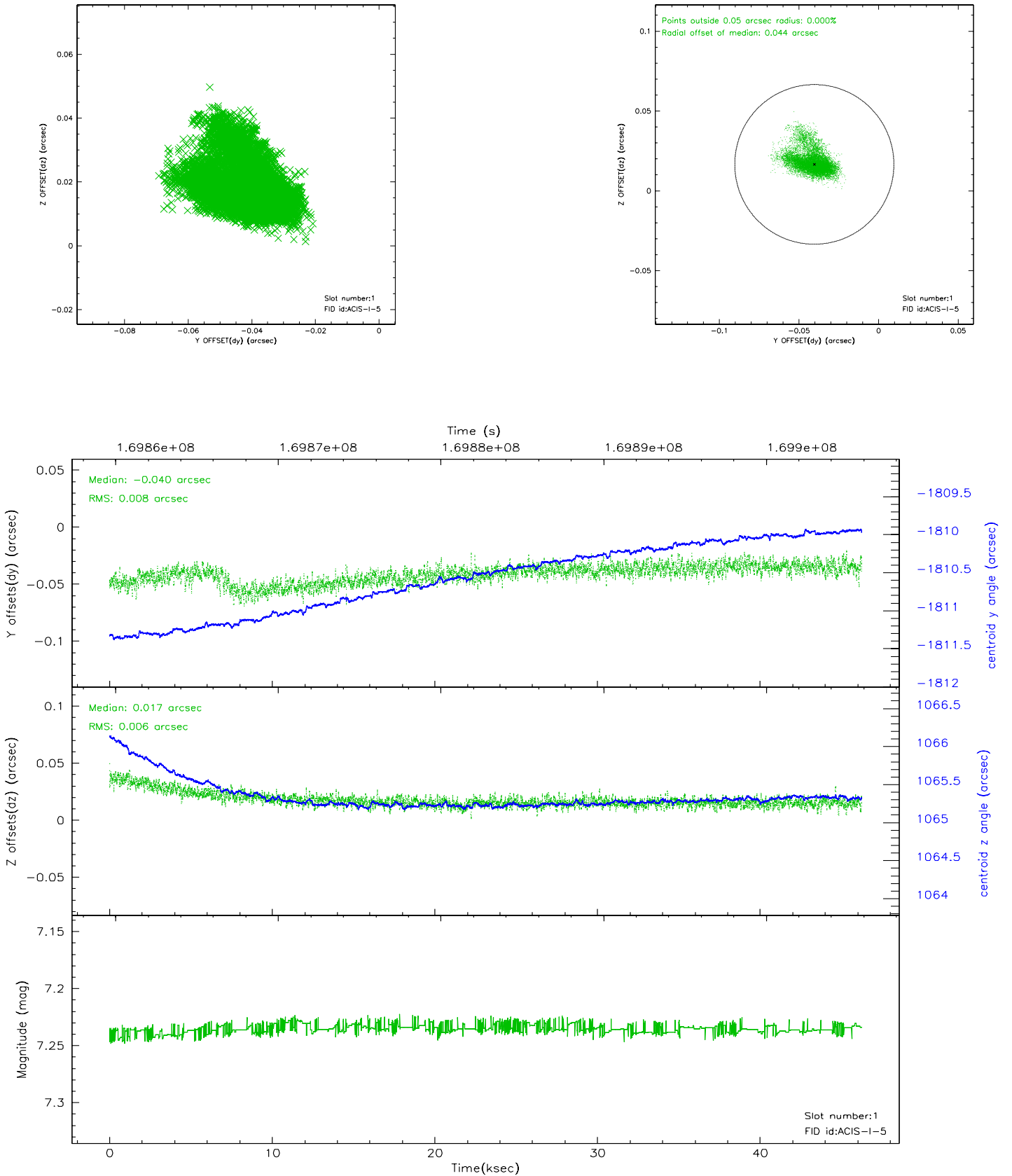


## 2.5 FID Slots

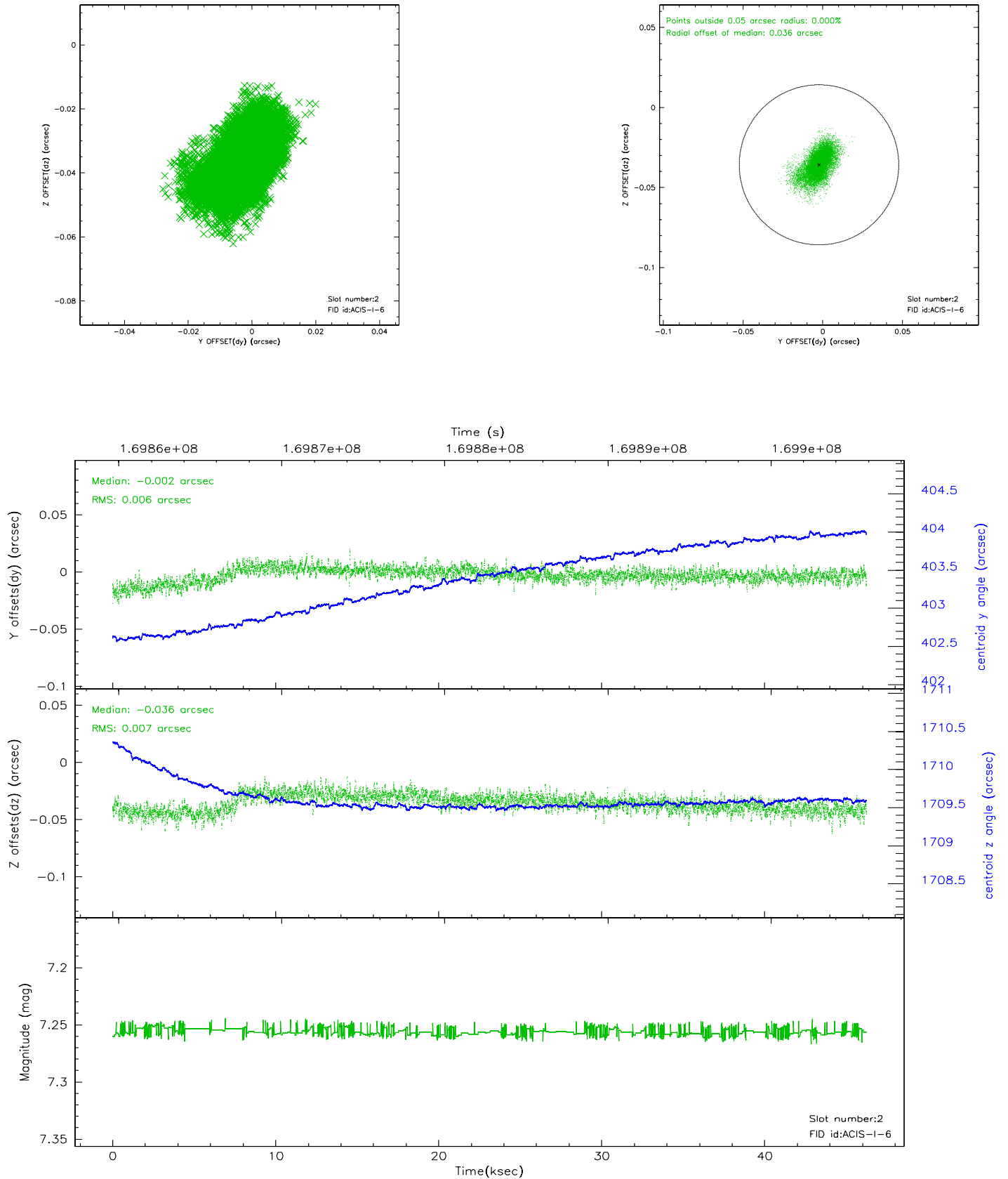
### 2.5.1 Slot 0



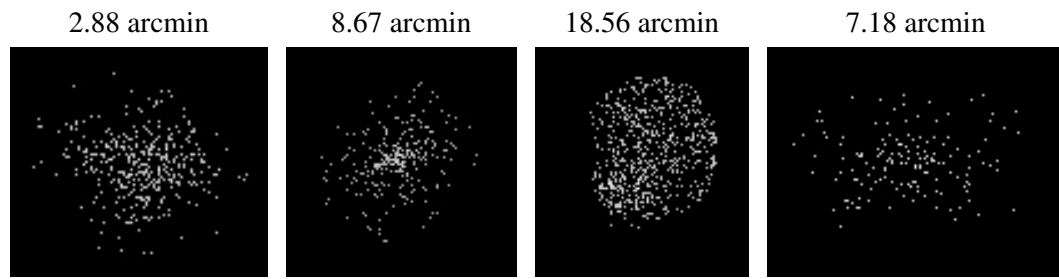
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.236

### A.2 Comments

Roll preference not met.