

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 4169 - L2 Version 001  
Chandra X-Ray Center

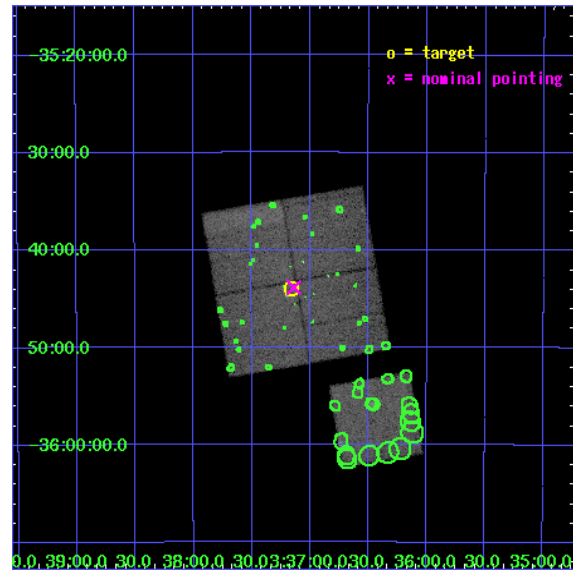
L2 Processing Date : Aug 12 2006

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# 1 Front

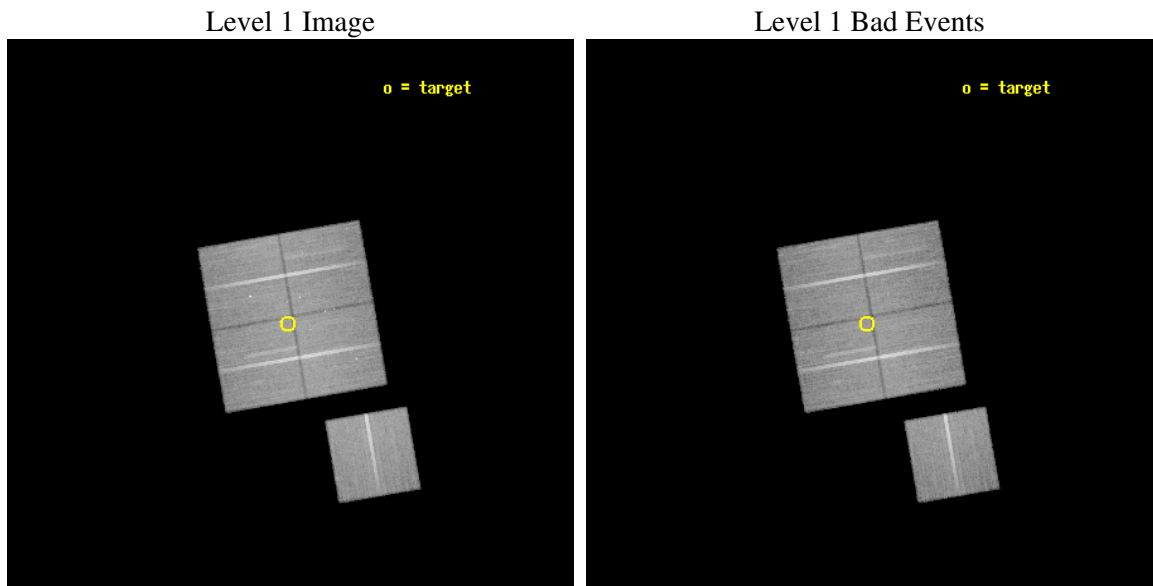
seq_num	800325
obs_id	4169
title	SURVEYING THE FORNAX CLUSTER OF GALAXIES
observer	Dr Caleb Scharf
object	FORNAX CLUSTER
dtcycle	0
cycle	P
ra_targ	54.2896
dec_targ	-35.73335
ra_nom	54.284825976083
dec_nom	-35.730834094396
roll_nom	170.20589517687
revision	2
ontime	45886.158921629
livetime	45286.622474419
ontime0	45883.017991304
ontime1	45879.877031088
ontime2	45883.017971396
ontime3	45886.158921629
ontime6	45883.015351057
l2events	154881



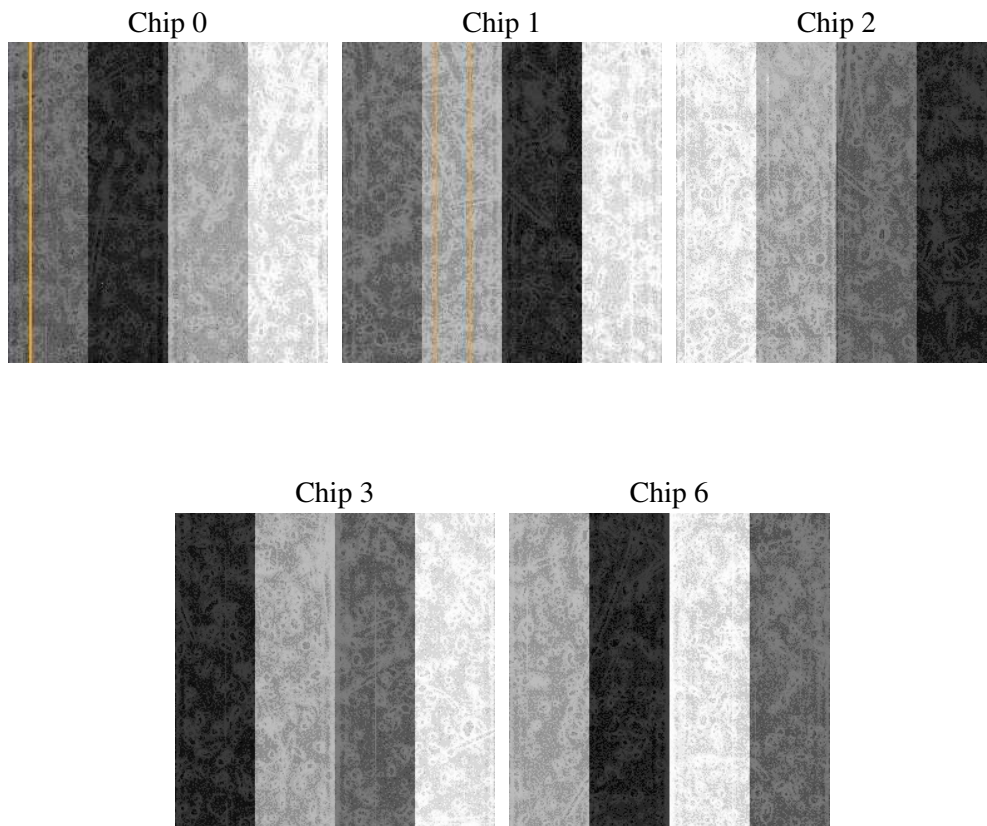
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-12T08:34:44
revision	2

sched_exp_time	46116.979000
ontime	45890.008045107
ontime0	45886.867144674
ontime1	45883.726154566
ontime2	45886.867094874
ontime3	45890.008045107
ontime6	45886.867054939
l1events	1287717

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	243245	250783	273110	259561	261018
rejected events	208763	209804	238892	226720	224555
rejected %	85%	83%	87%	87%	86%

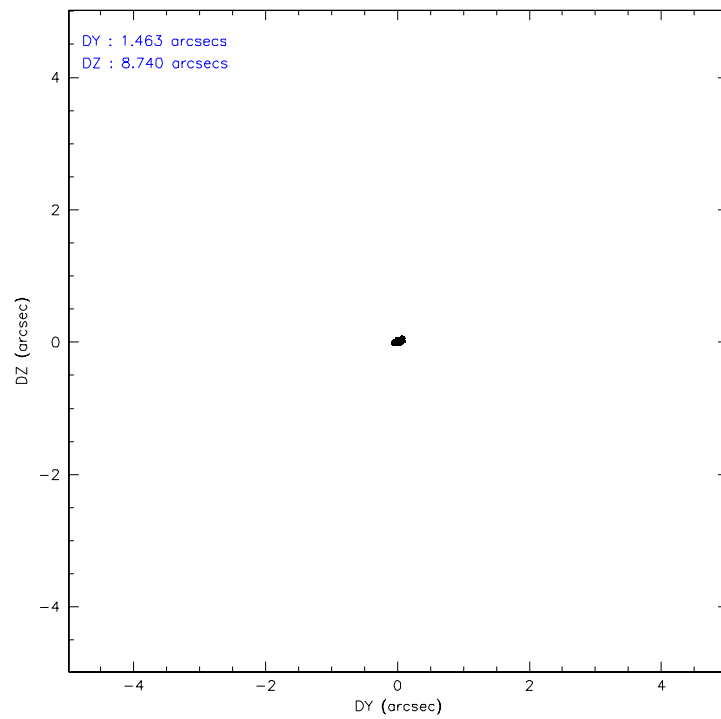
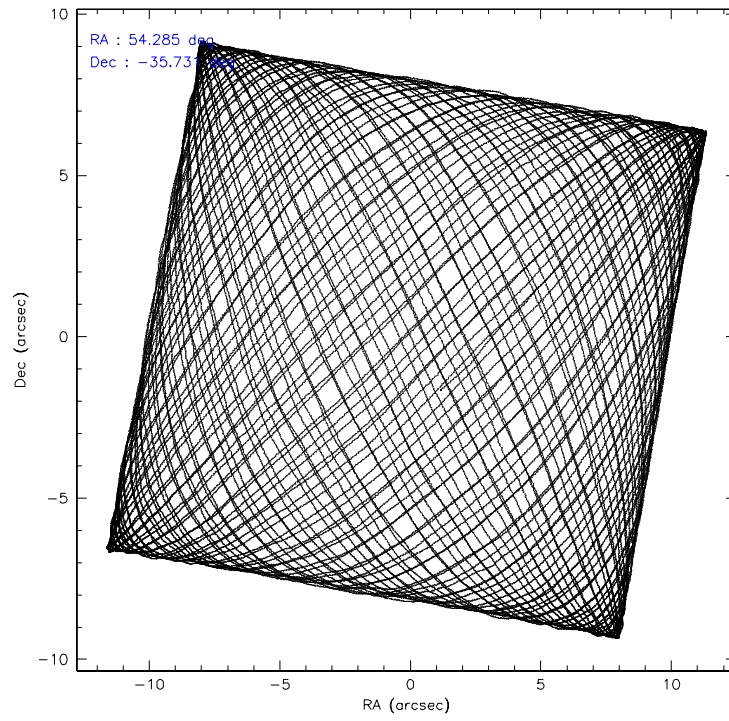
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16650	20792	16588	16030	17846
	6%	8%	6%	6%	6%
grade 1 events	170	148	152	165	142
	0%	0%	0%	0%	0%
grade 2 events	6644	7322	6554	5884	6389
	2%	2%	2%	2%	2%
grade 3 events	3080	3523	3167	2989	3259
	1%	1%	1%	1%	1%
grade 4 events	2962	3390	3090	2943	3263
	1%	1%	1%	1%	1%
grade 5 events	8546	9306	8145	9697	9590
	3%	3%	2%	3%	3%
grade 6 events	5159	5972	4835	5009	5735
	2%	2%	1%	1%	2%
grade 7 events	200034	200330	230579	216844	214794
	82%	79%	84%	83%	82%

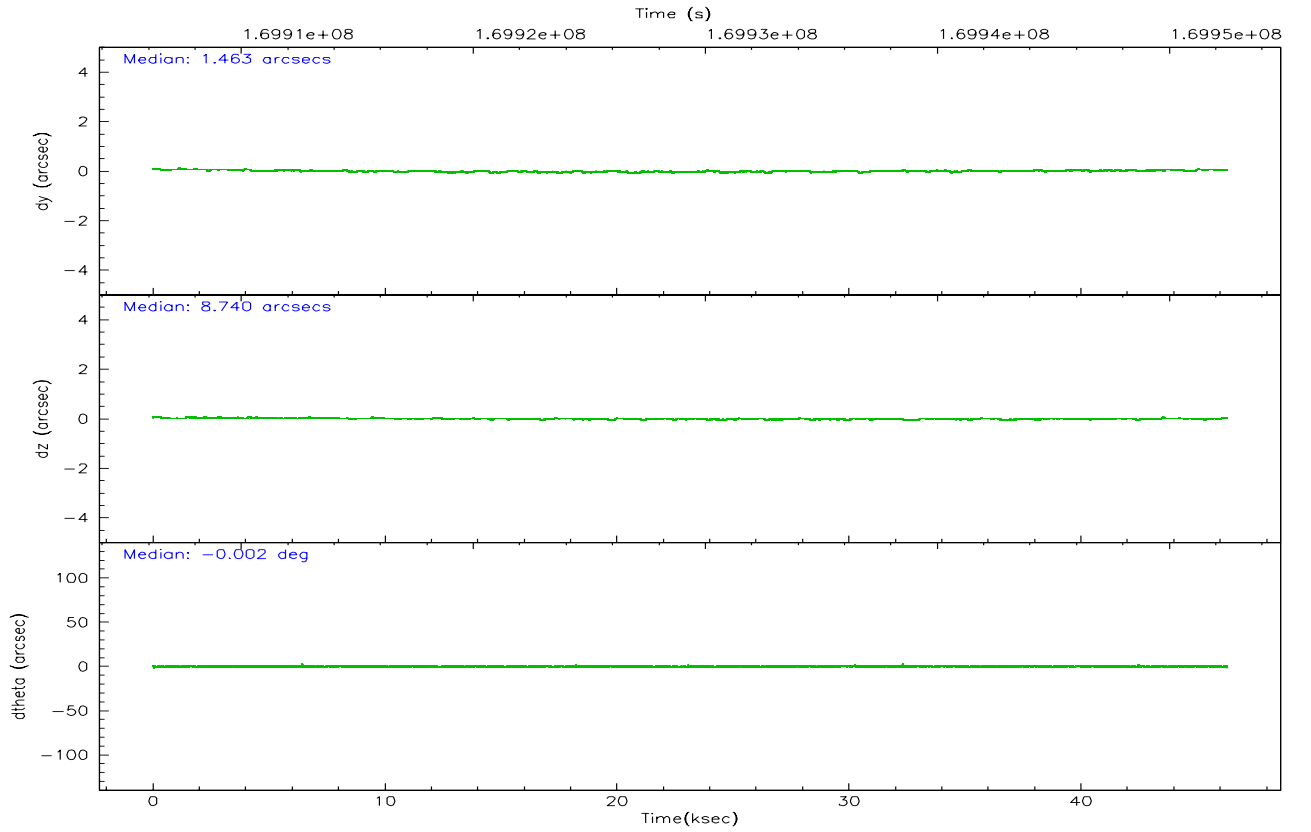
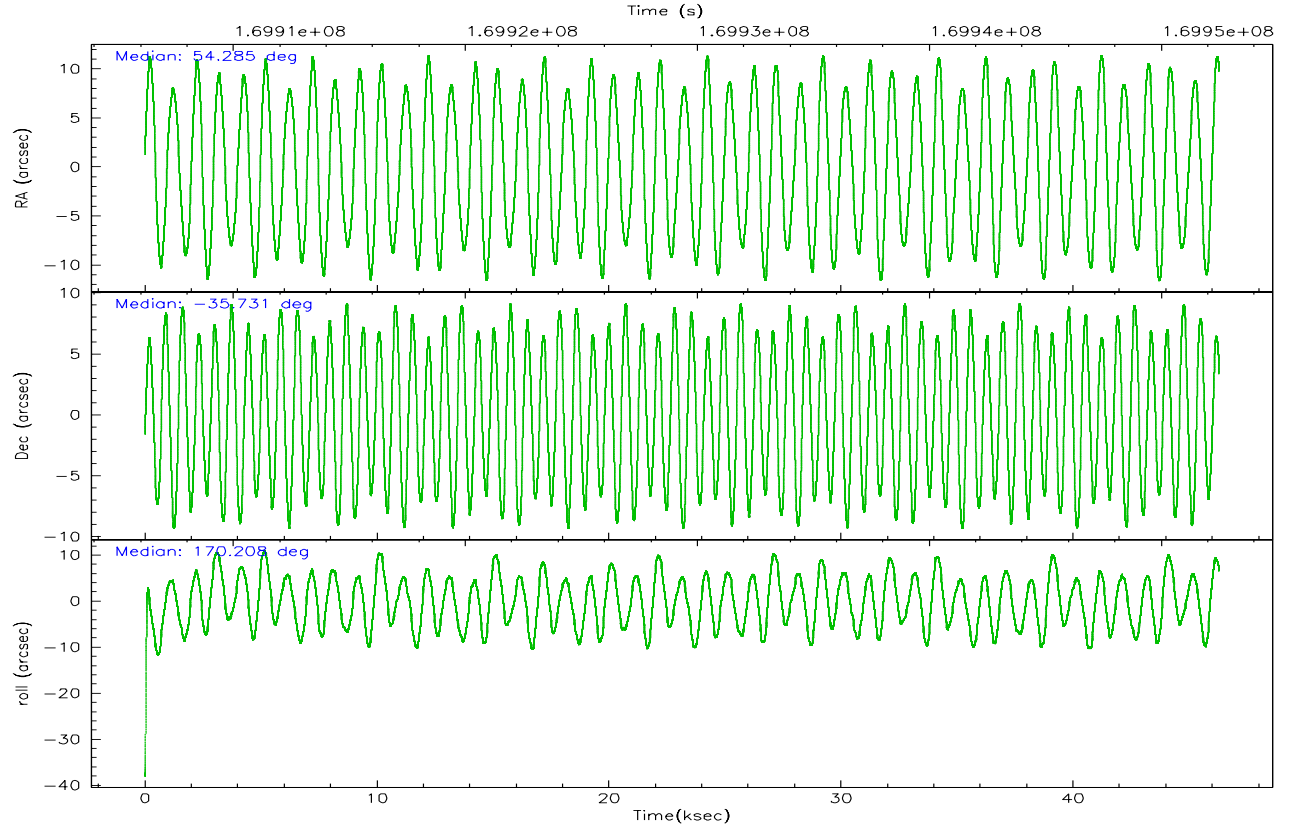


## 2.2 Compared Parameters

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	54.316404	54.28482597608333	Alternating exposures requested	N	N
Pointing Dec	-35.721282	-35.7308340943957	Primary exposure time	0.000000	3.1
Pointing Roll	170.015646	170.2058951768709			
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	169906378.184000	169906001.99081			
Observation start date	2003-05-21T12:11:54	2003-05-21T12:06:41			
Observation end time	169952495.184000	169952809.6428			
Observation end date	2003-05-22T01:00:31	2003-05-22T01:06:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect



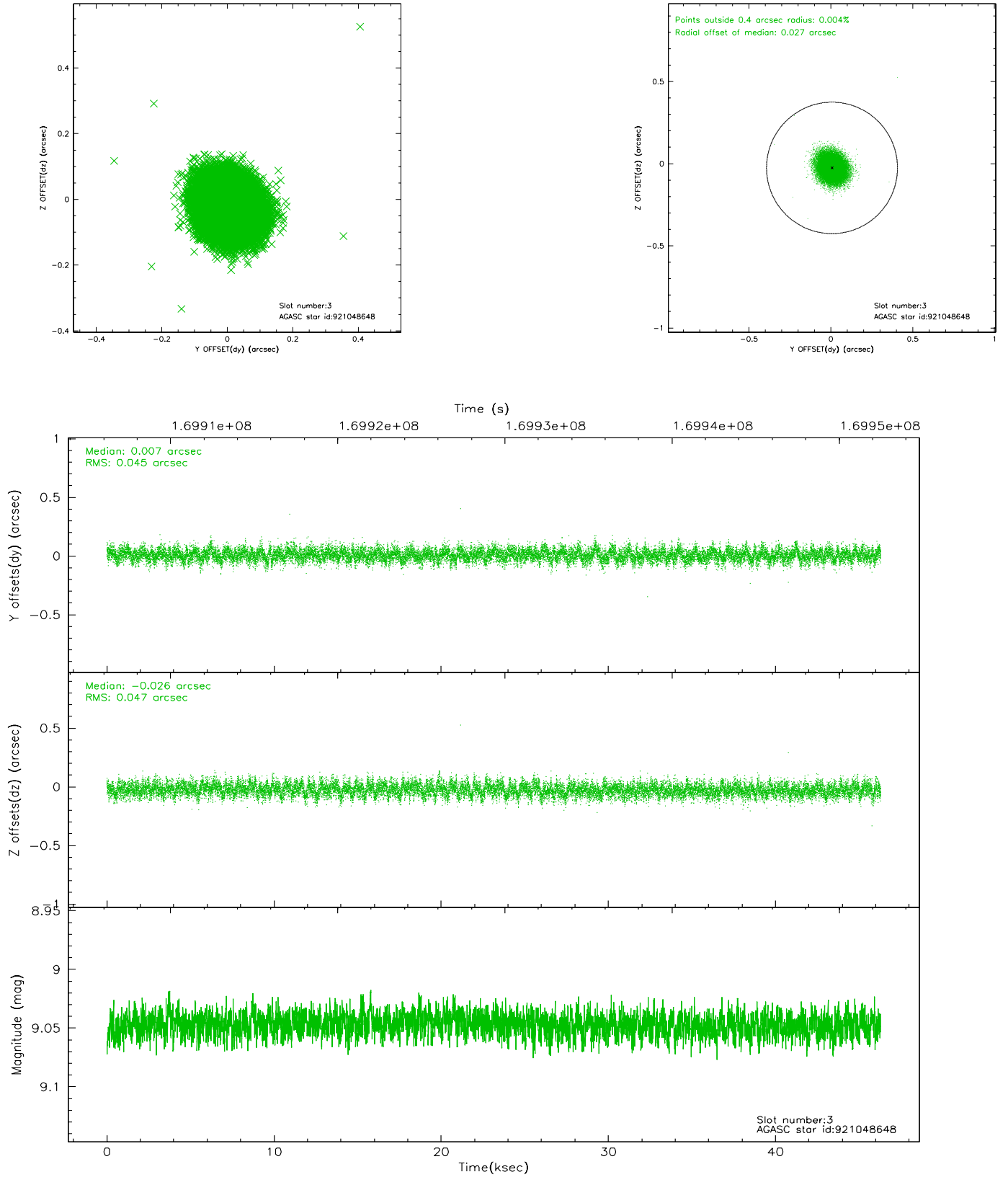


### Slot Statistics

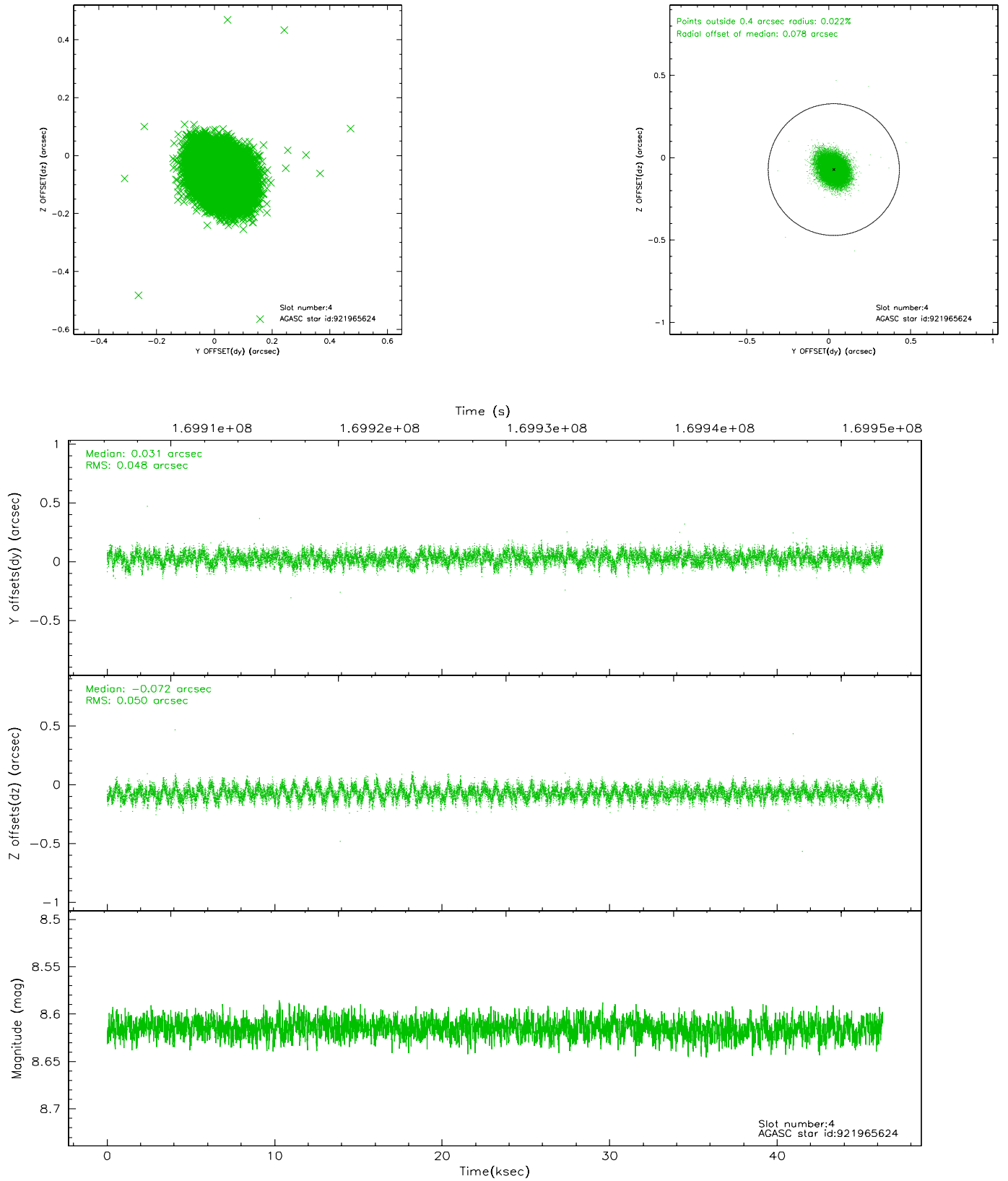
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11293	-0.055	0.099	0.006	0.010	0.000000	0.000000	938.31	-832.09
1	FID	ACIS-I-5	7.23	11290	-0.031	0.015	0.006	0.010	0.000000	0.000000	-1809.77	1065.33
2	FID	ACIS-I-6	7.26	11292	-0.006	-0.043	0.007	0.011	0.000000	0.000000	403.92	1709.76
3	GUIDE	921048648	9.05	22578	0.007	-0.026	0.069	0.112	53.884610	-35.870023	1147.38	748.50
4	GUIDE	921965624	8.61	22574	0.031	-0.072	0.073	0.118	54.900706	-35.940077	-1814.47	485.73
5	GUIDE	921966544	7.92	22583	0.035	0.098	0.057	0.092	54.743508	-35.636012	-1177.77	-515.79
6	GUIDE	921970112	9.58	22506	-0.022	0.191	0.089	0.145	54.291262	-35.695592	88.46	-77.90
7	GUIDE	921046584	9.21	22576	-0.049	-0.192	0.094	0.147	53.976815	-36.314393	599.81	2275.43

## 2.4 Star Slots

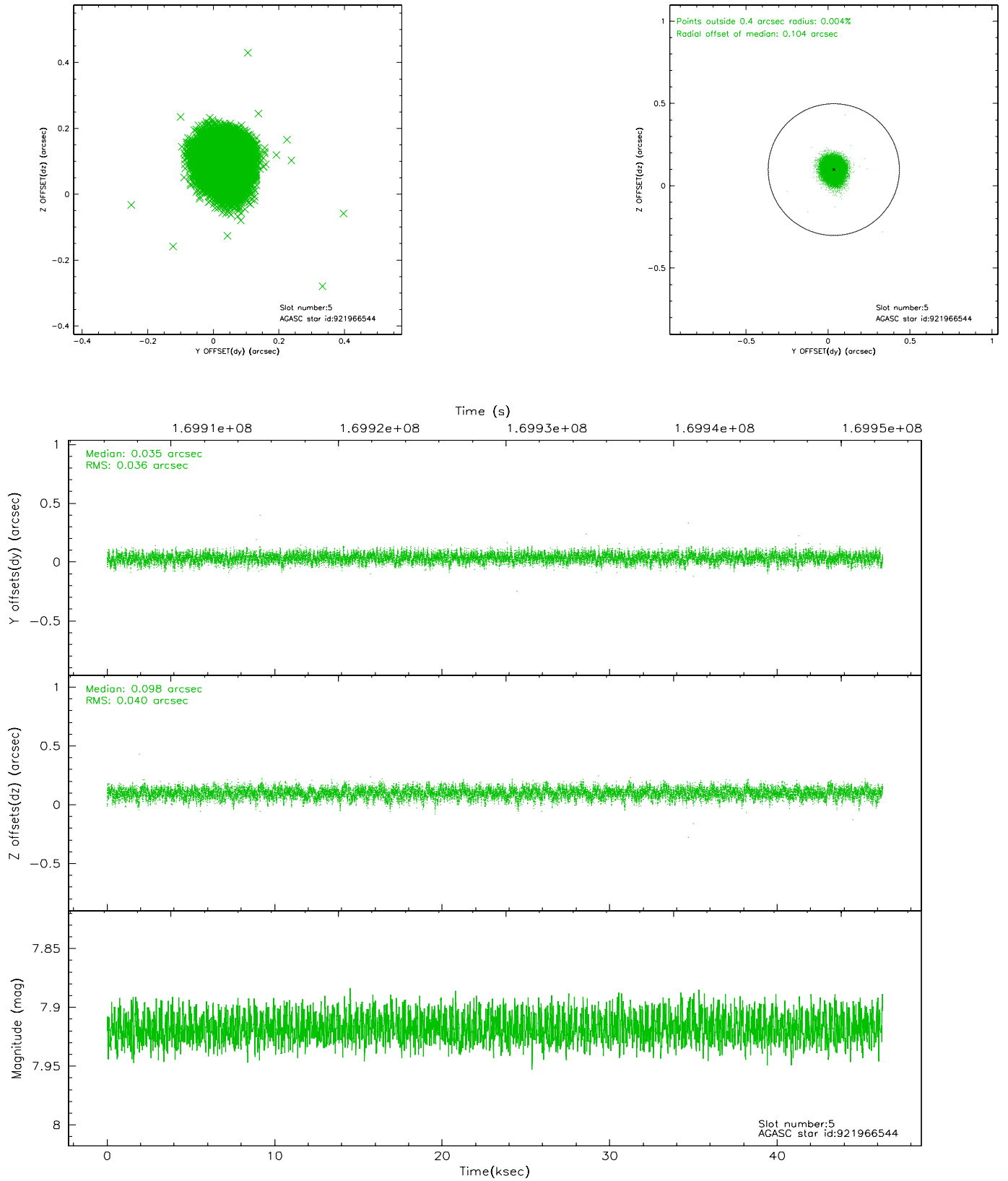
### 2.4.1 Slot 3



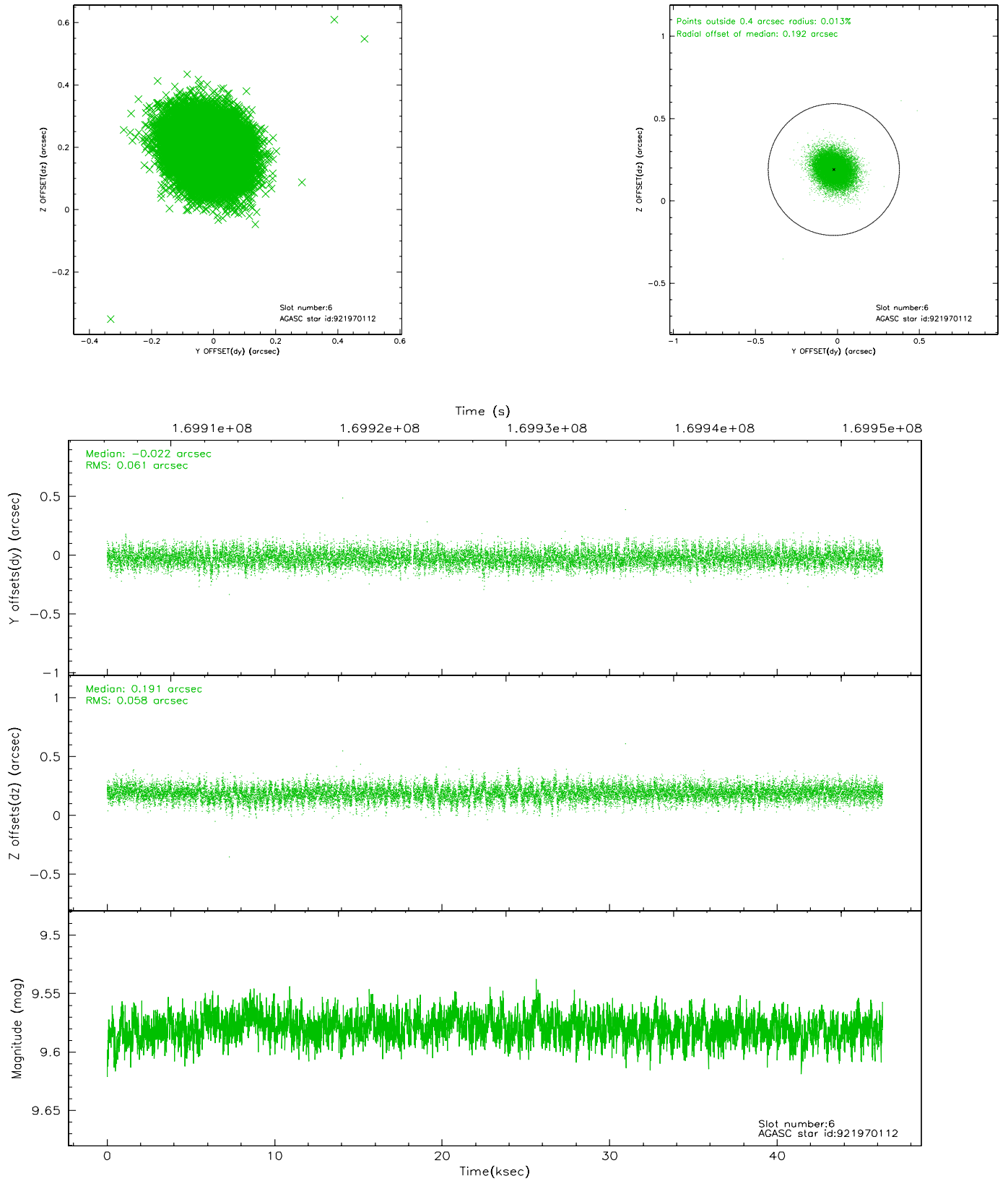
## 2.4.2 Slot 4



### 2.4.3 Slot 5

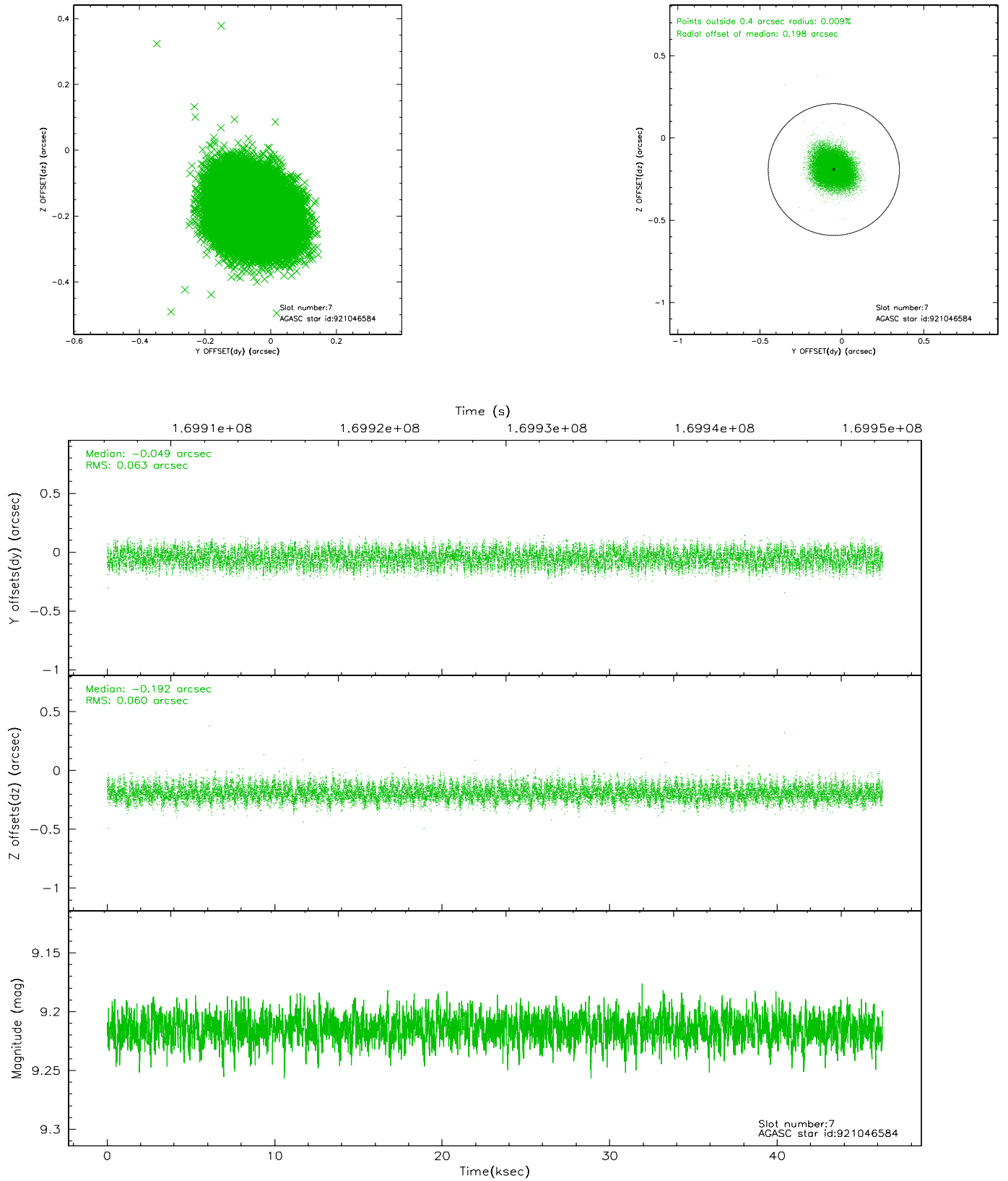


## 2.4.4 Slot 6



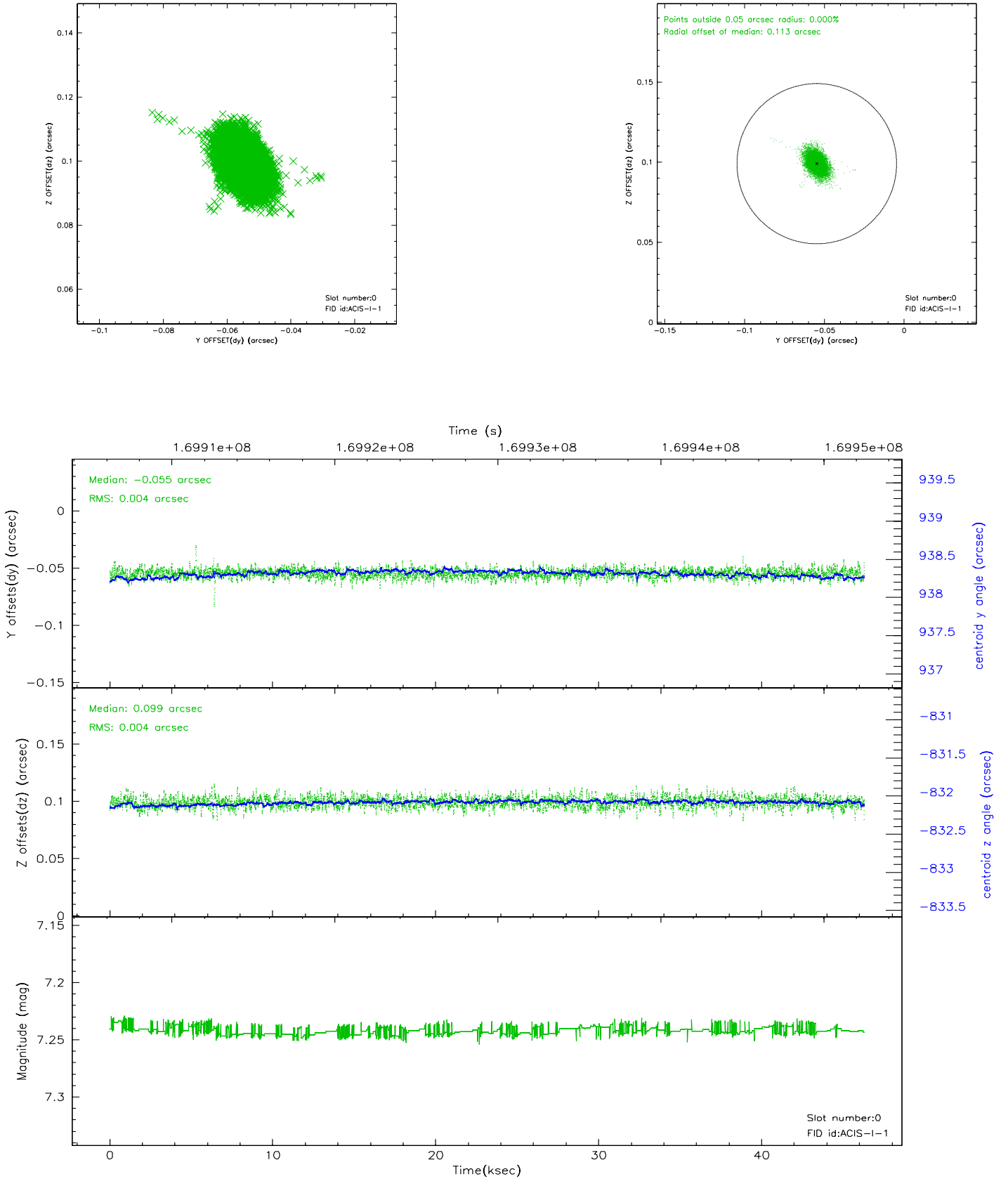


## 2.4.5 Slot 7

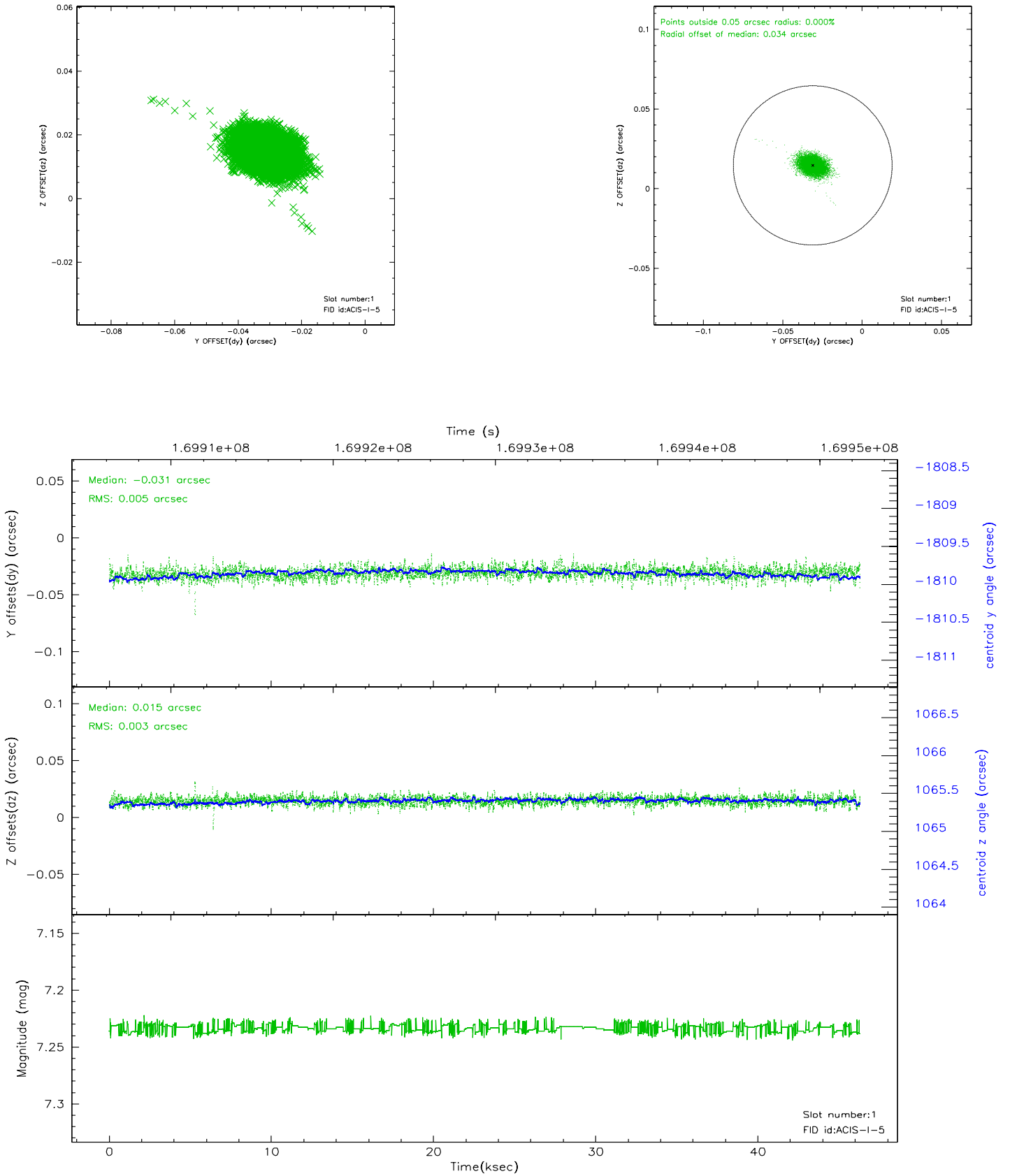


## 2.5 FID Slots

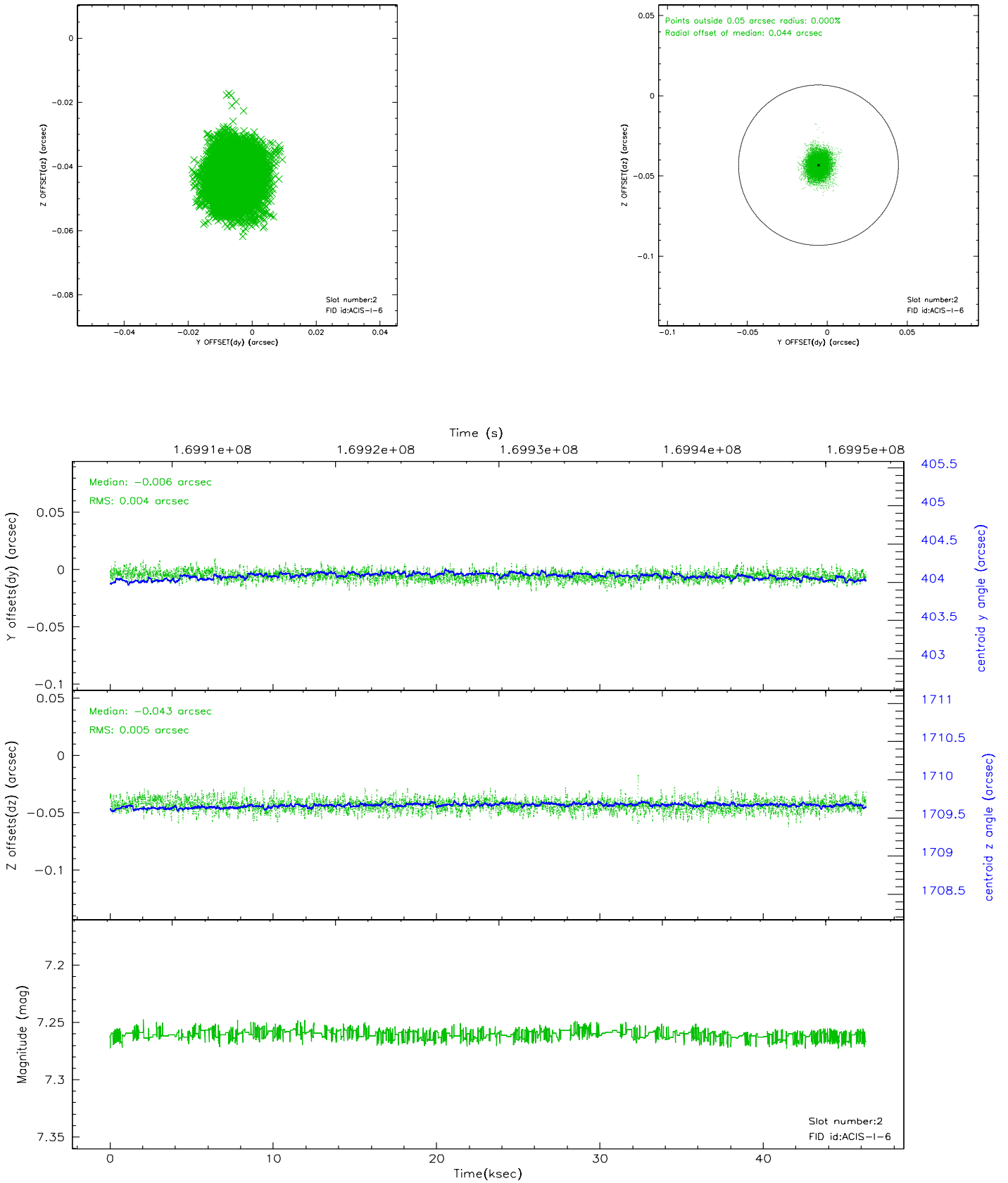
### 2.5.1 Slot 0



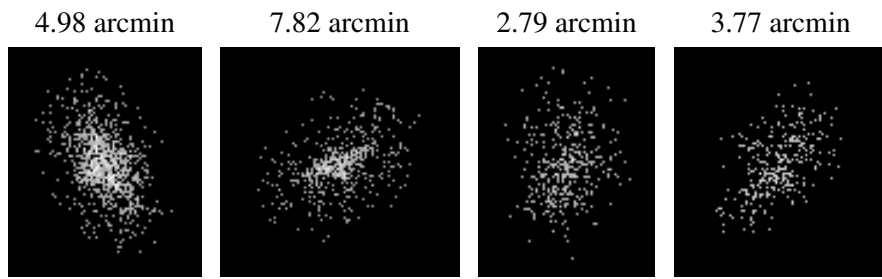
## 2.5.2 Slot 1



### 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	45.883

### A.2 Comments

Roll preference not met.