

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 984 - L2 Version 001  
Chandra X-Ray Center

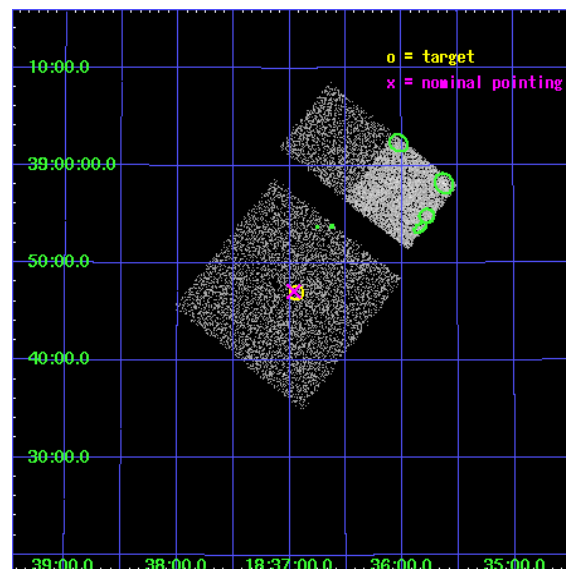
L2 Processing Date : Nov 6 2006

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# 1 Front

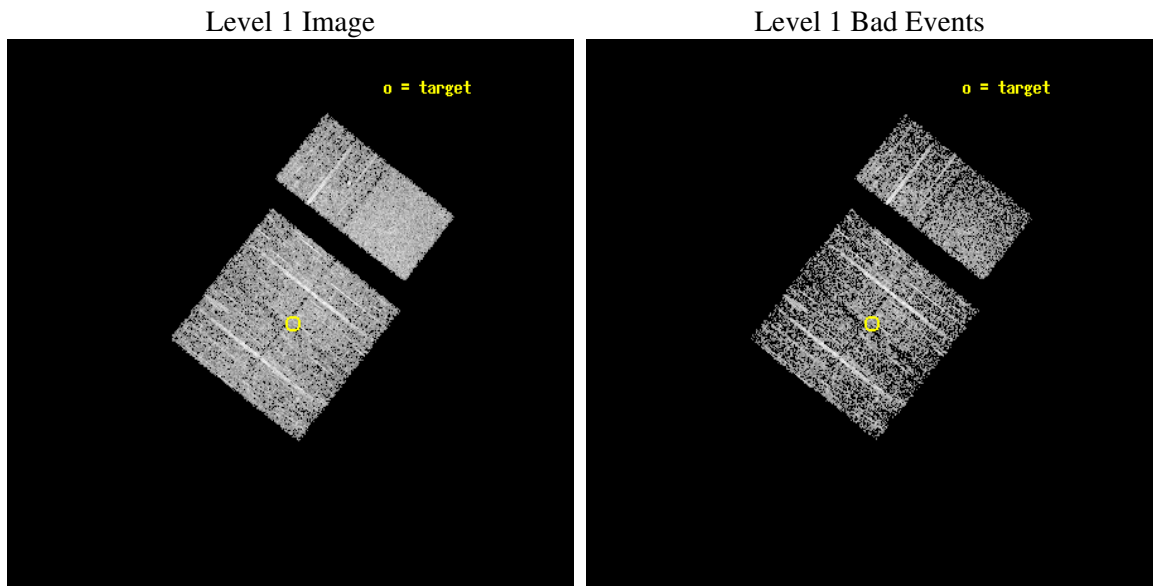
seq_num	290065
obs_id	984
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, ACIS-I, AO2
dtcycle	0
cycle	P
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.24082072419
dec_nom	38.785026677126
roll_nom	38.215655836644
revision	2
ontime	2940.8000027388
livetime	2903.561822367
ontime0	2940.8000027388
ontime1	2940.8000027388
ontime2	2940.8000027388
ontime3	2940.8000027388
ontime6	2940.8000027388
ontime7	2940.8000027388
l2events	18616



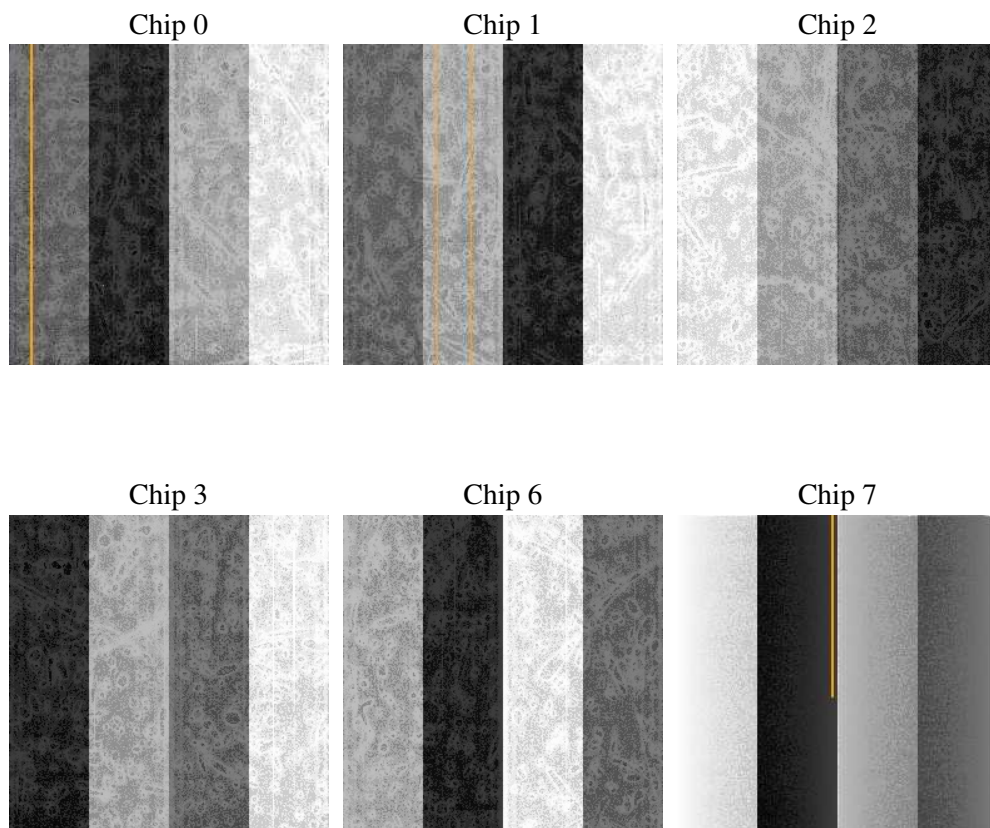
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-06T11:34:15
revision	2

sched_exp_time	3000.000000
ontime	2946.0654336065
ontime0	2946.0654336065
ontime1	2946.0654336065
ontime2	2946.0654336065
ontime3	2946.0654336065
ontime6	2946.0654336065
ontime7	2946.0654336065
l1events	107901

### 2.1.4 Events

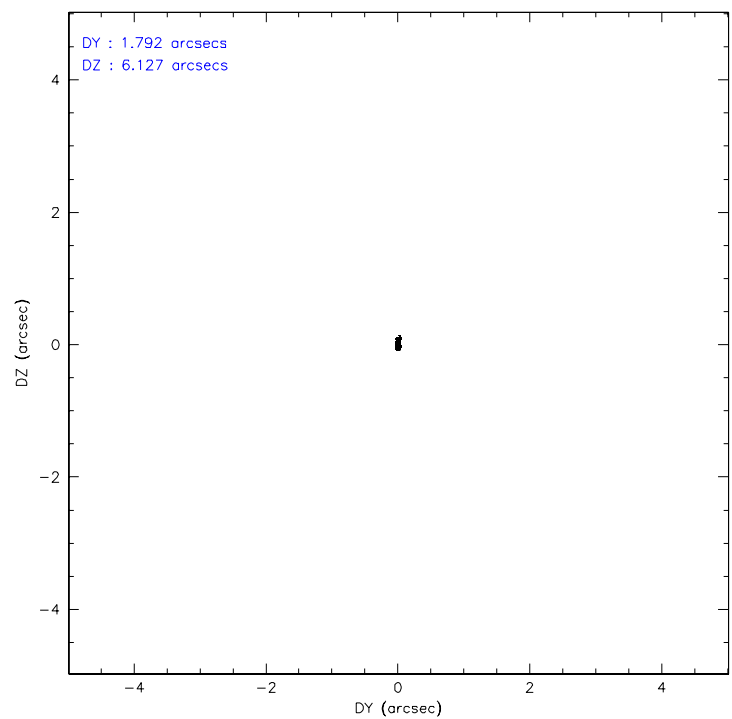
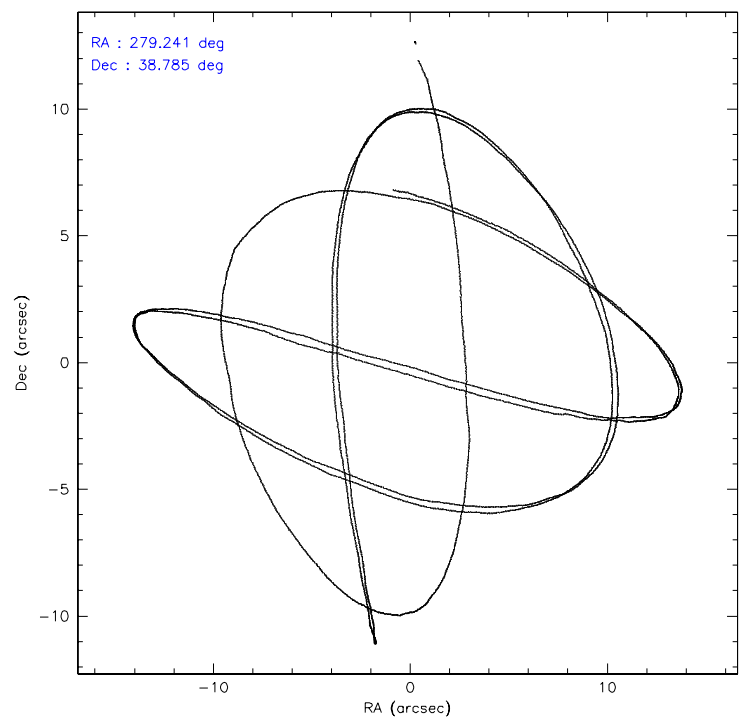
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	16329	15888	17577	18028	17639	22440
rejected events	14033	13519	15298	15790	15123	13512
rejected %	85%	85%	87%	87%	85%	60%

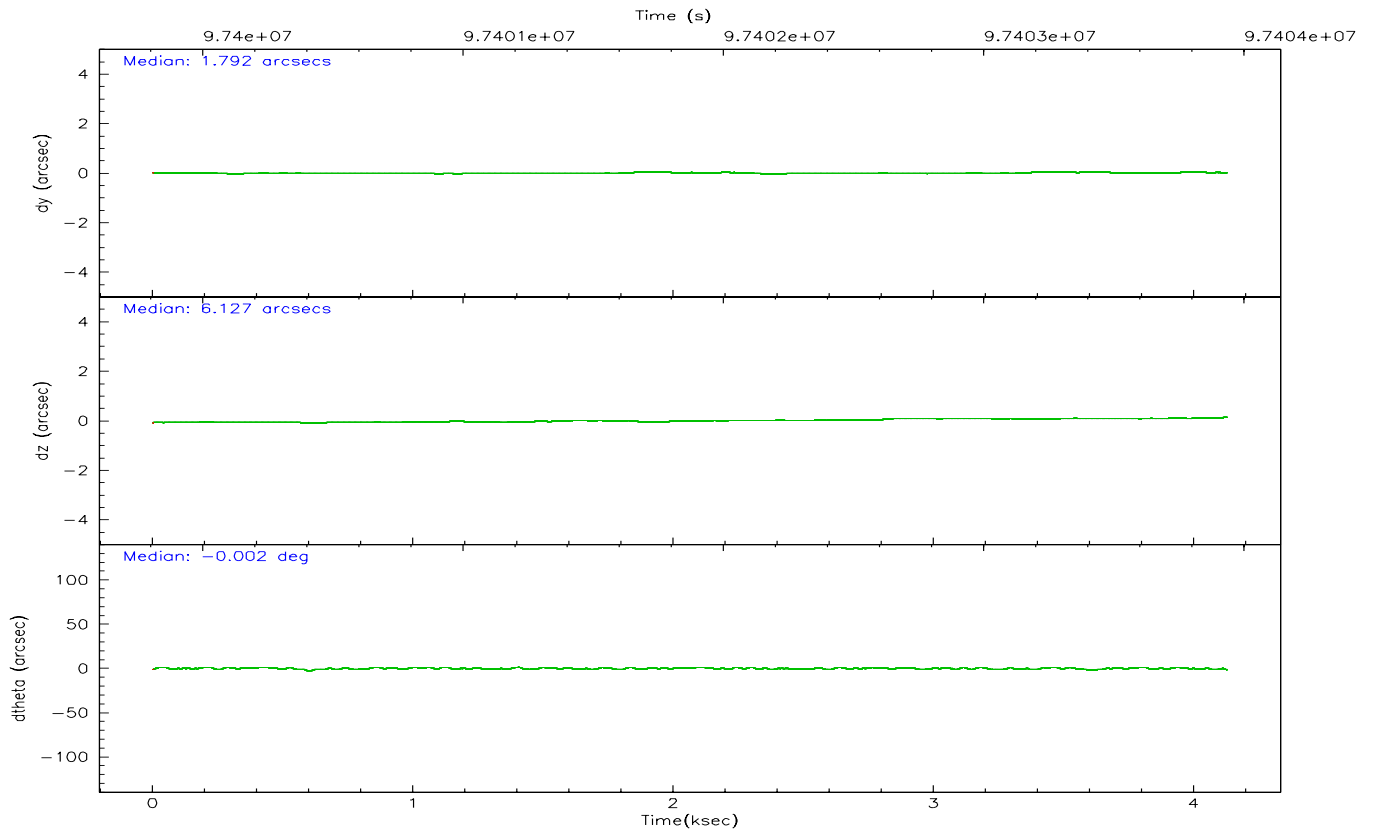
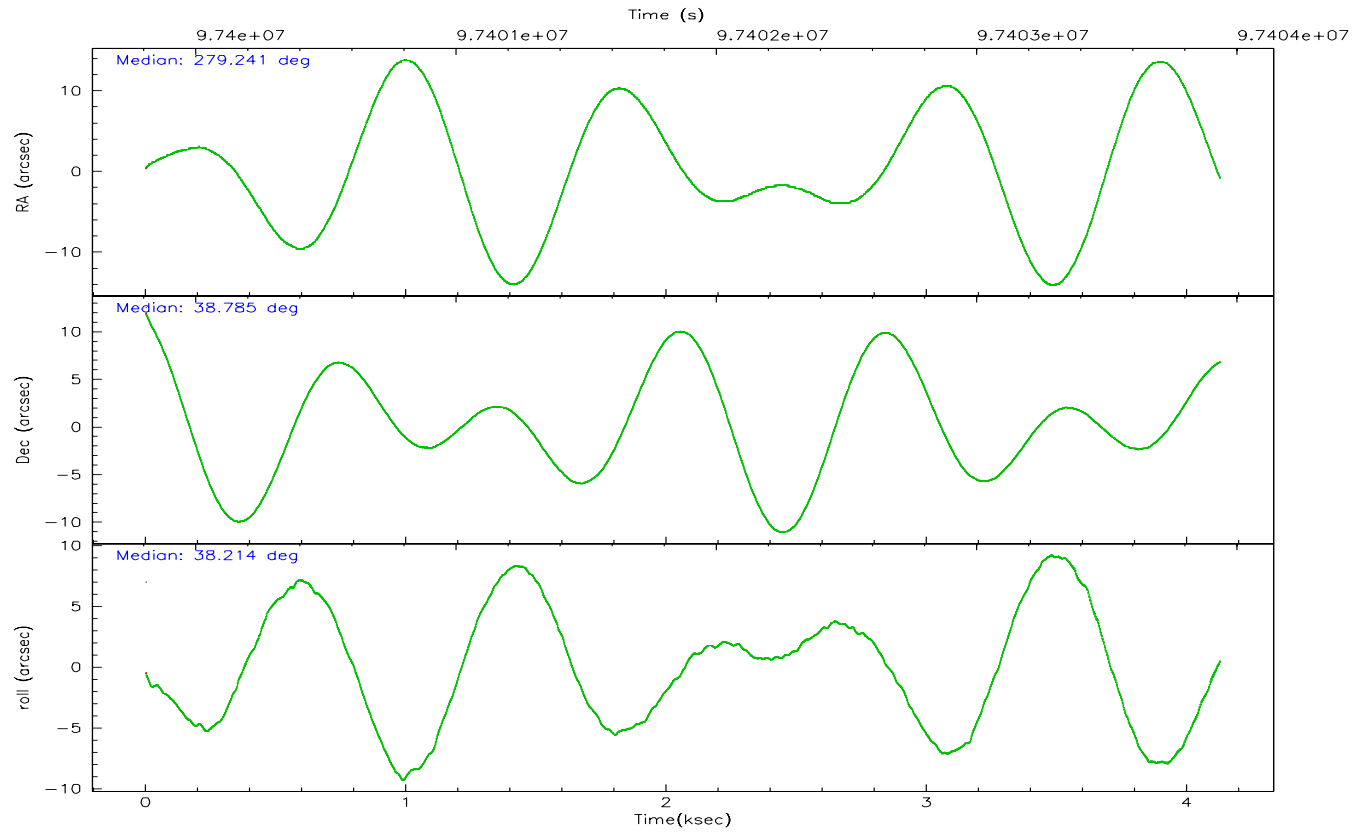
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	944	972	1034	946	1118	638
	5%	6%	5%	5%	6%	2%
grade 1 events	2	9	14	8	8	12
	0%	0%	0%	0%	0%	0%
grade 2 events	521	514	490	491	502	2186
	3%	3%	2%	2%	2%	9%
grade 3 events	209	216	210	190	211	502
	1%	1%	1%	1%	1%	2%
grade 4 events	210	218	179	200	262	515
	1%	1%	1%	1%	1%	2%
grade 5 events	605	681	593	660	735	1569
	3%	4%	3%	3%	4%	6%
grade 6 events	416	453	367	419	426	5108
	2%	2%	2%	2%	2%	22%
grade 7 events	13422	12825	14690	15114	14377	11910
	82%	80%	83%	83%	81%	53%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	279.227625	279.2408207241879	Subarray requested	NONE	NONE
Pointing Dec	38.759522	38.78502667712555	Alternating exposures requested	N	N
Pointing Roll	38.015240	38.21565583664354	Primary exposure time	0.000000	3.2
Window start time	97372864.184000	97372864.184000			
Window stop time	99705664.184000	99705664.184000			
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	97400939.184000	97399513.69268			
Observation start date	2001-02-01T07:47:55	2001-02-01T07:25:13			
Observation end time	97403939.184000	97404089.29285599			
Observation end date	2001-02-01T08:37:55	2001-02-01T08:41:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect





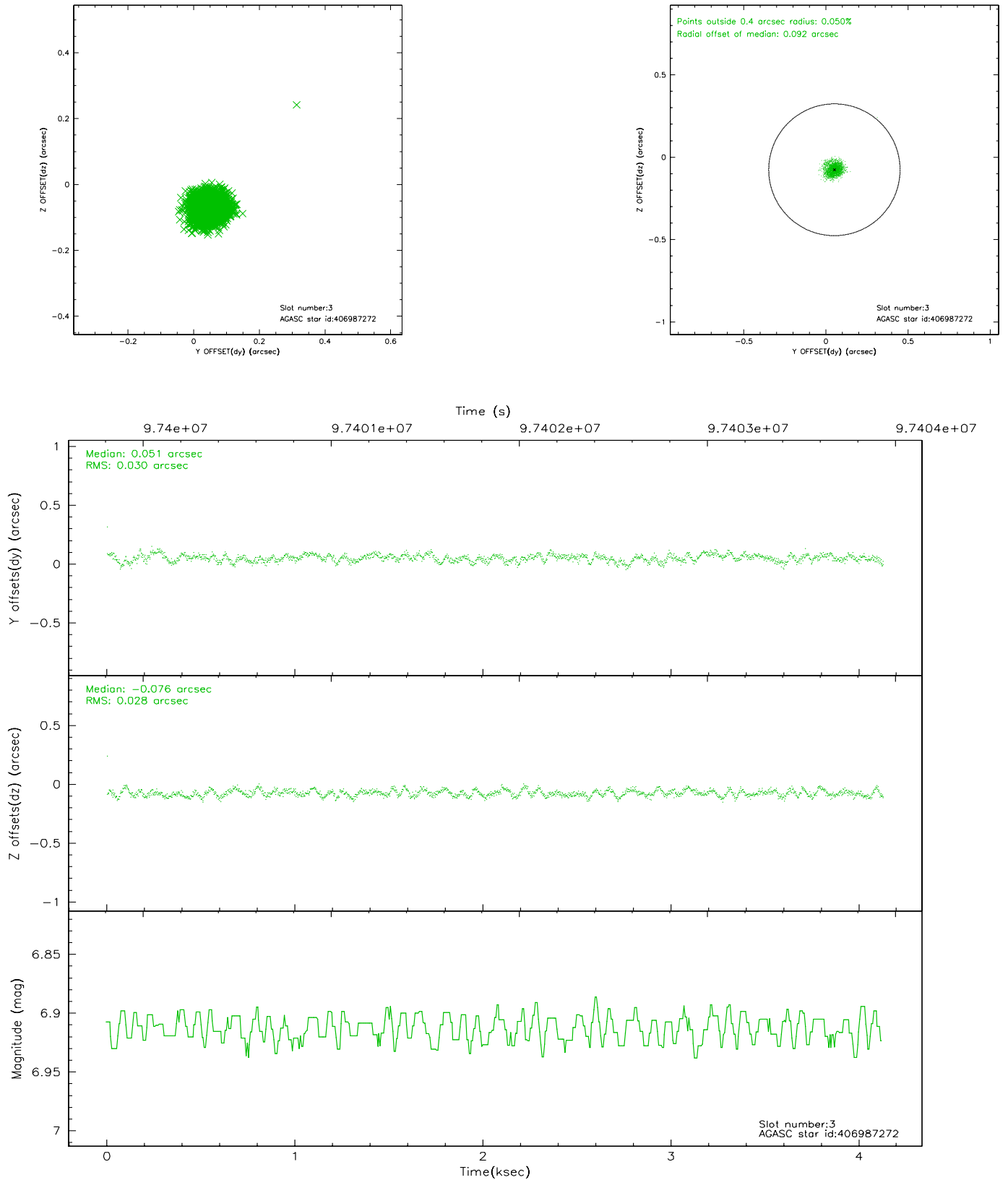
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1008	-0.021	-0.038	0.009	0.017	0.000000	0.000000	-756.16	-835.91
1	FID	ACIS-I-4	7.18	1008	-0.082	0.032	0.005	0.009	0.000000	0.000000	2157.15	1069.59
2	FID	ACIS-I-5	7.23	1008	0.001	0.076	0.009	0.014	0.000000	0.000000	-1808.03	1069.18
3	GUIDE	406987272	6.91	2015	0.051	-0.076	0.043	0.068	278.536588	38.437504	-2244.72	292.21
4	GUIDE	406985120	7.43	2015	-0.001	-0.005	0.049	0.078	278.839732	38.894839	-556.10	1054.82
5	GUIDE	406993992	7.62	2015	-0.041	0.085	0.060	0.096	279.053714	38.034587	-1995.93	-1751.84
6	GUIDE	406989616	8.23	2015	0.052	0.011	0.053	0.086	279.202881	38.520843	-585.14	-635.17
7	GUIDE	407521232	8.65	2014	-0.056	-0.009	0.070	0.109	279.628883	39.431715	2370.41	1220.83

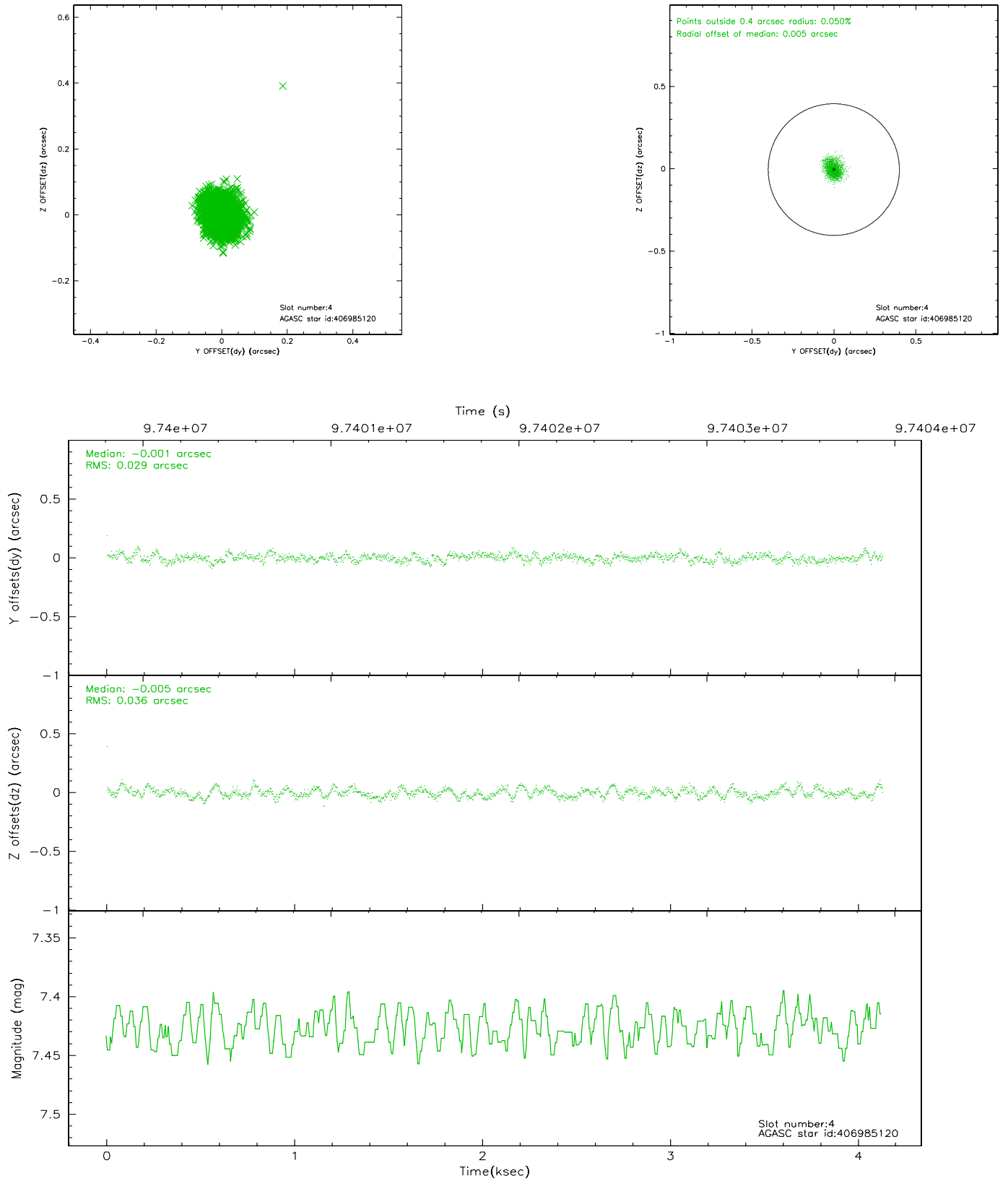


## 2.4 Star Slots

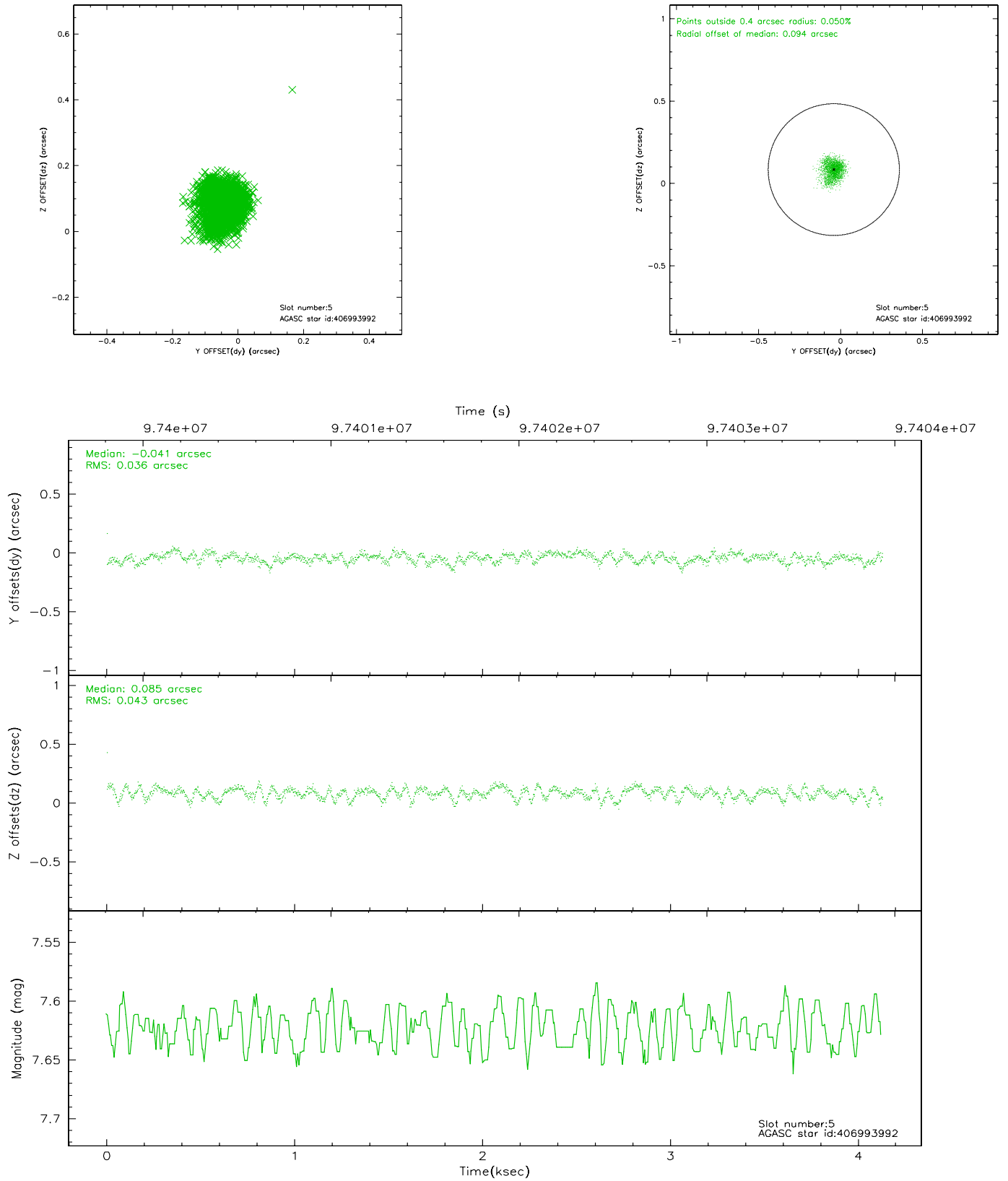
### 2.4.1 Slot 3



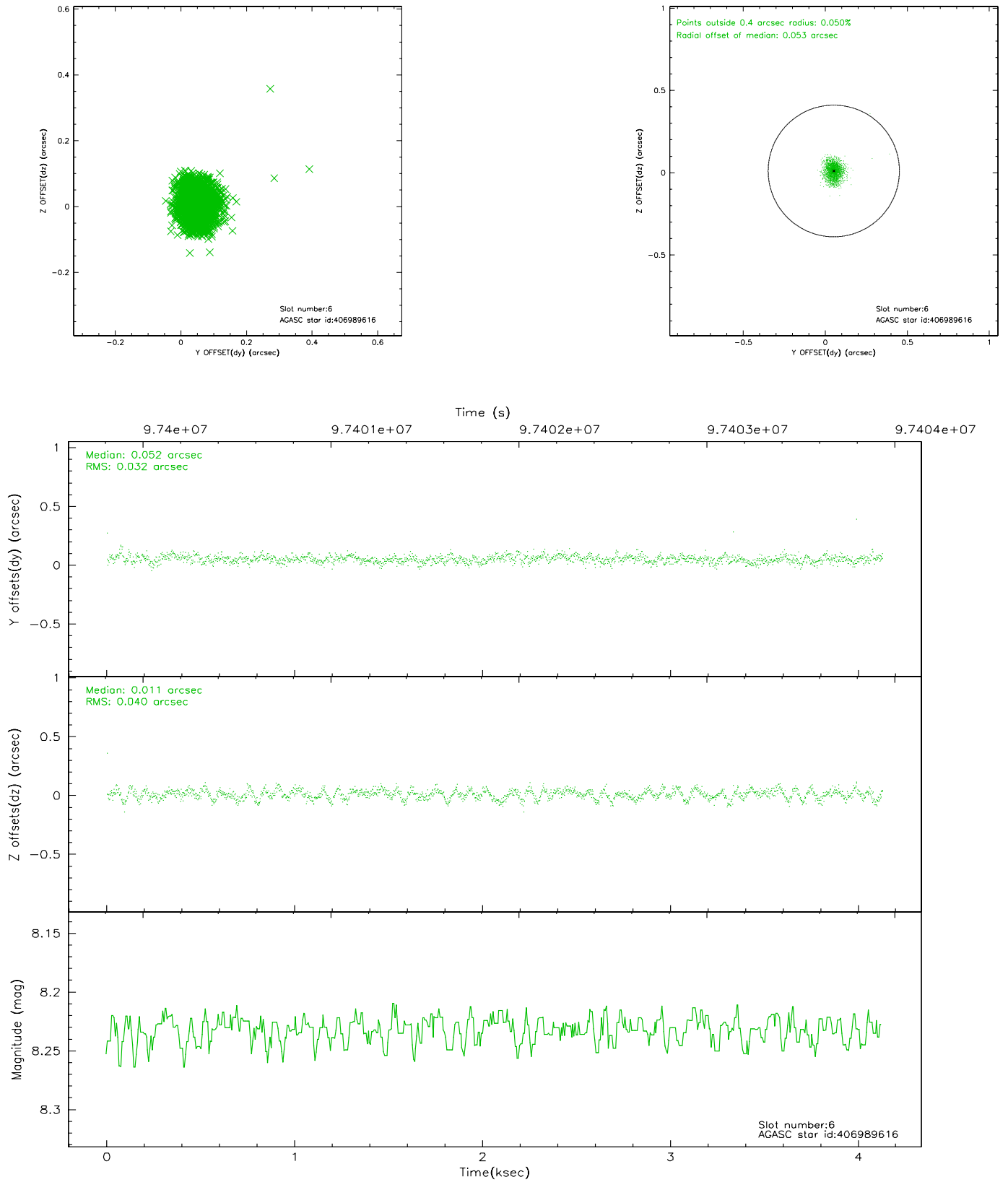
## 2.4.2 Slot 4



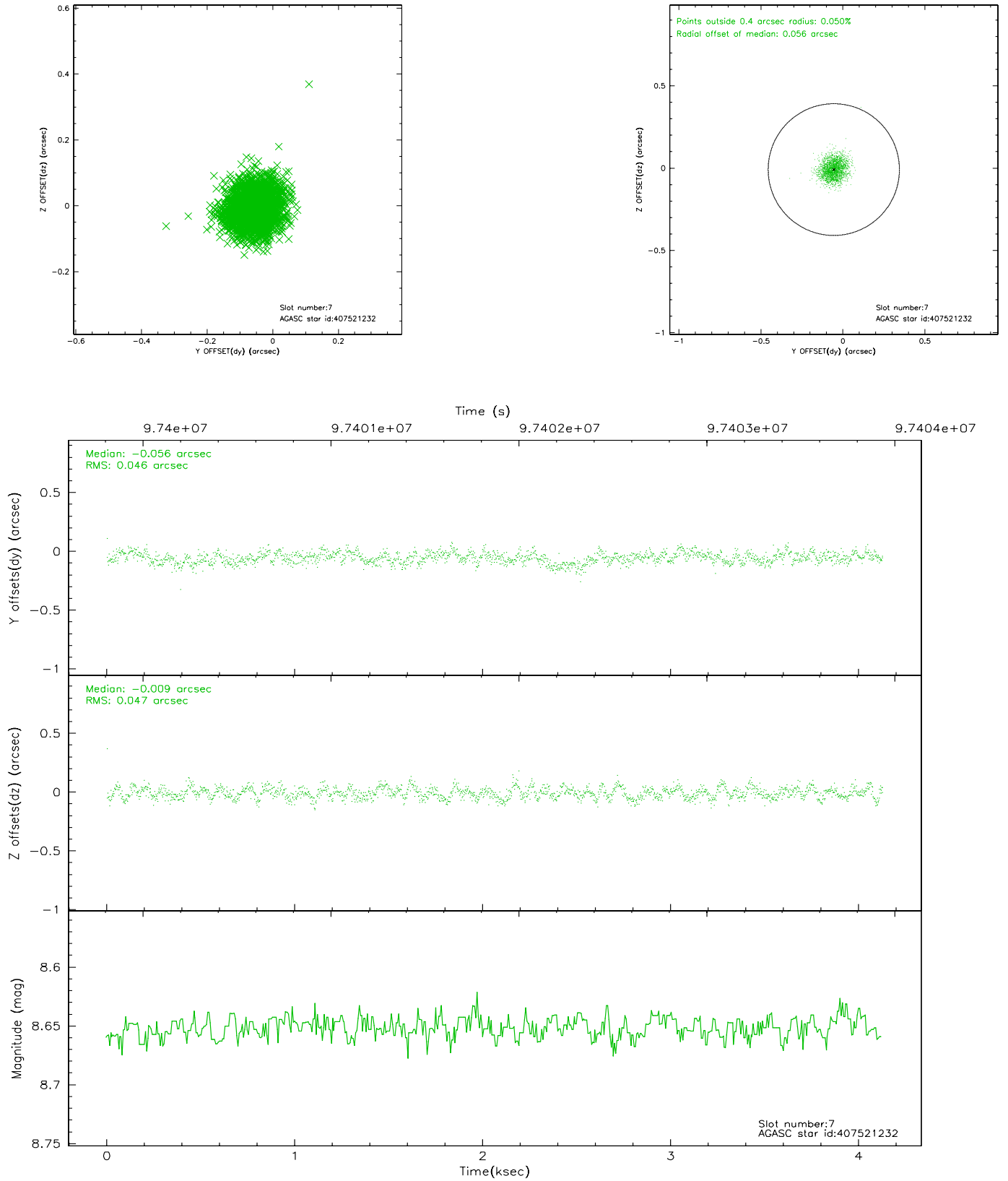
### 2.4.3 Slot 5



## 2.4.4 Slot 6

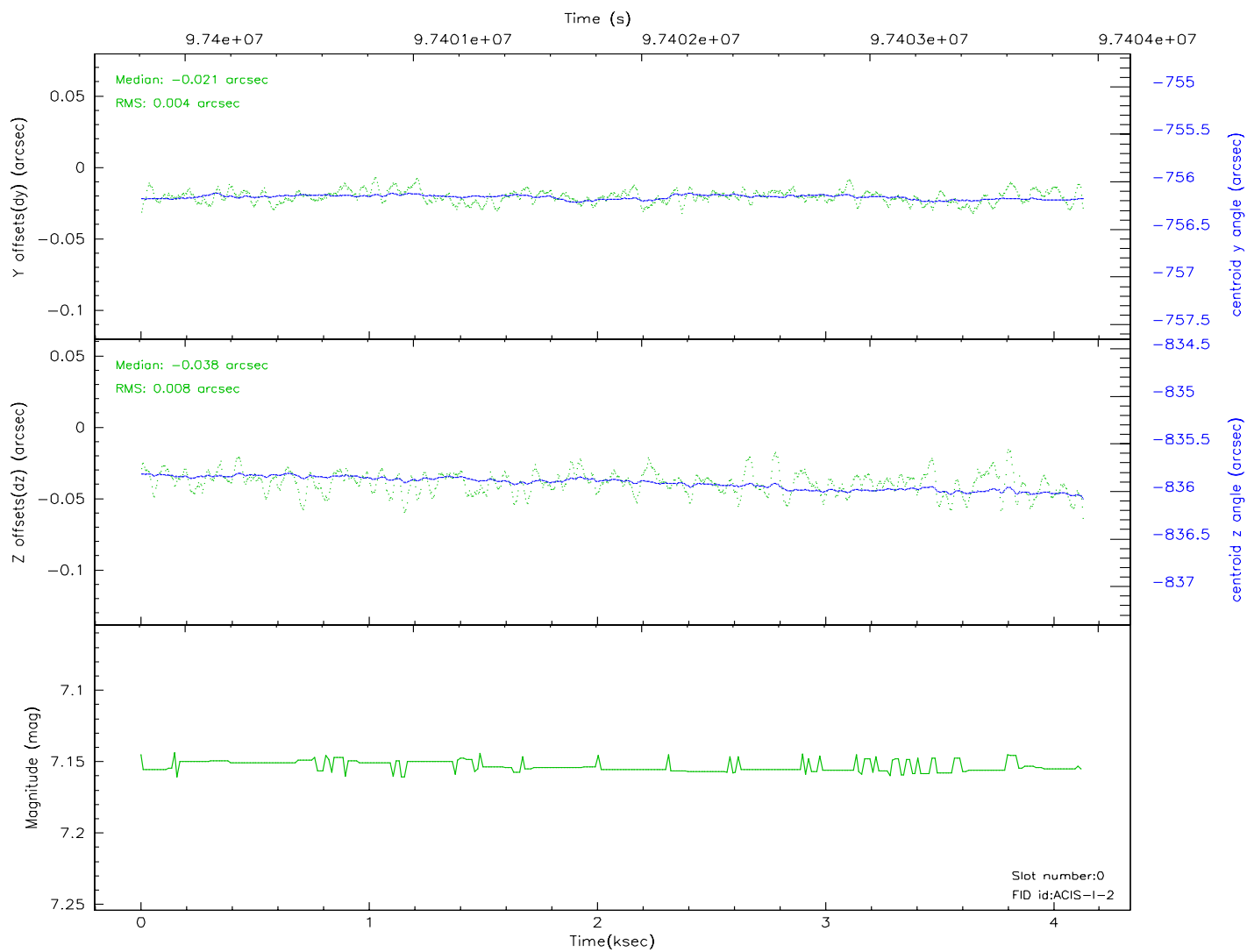
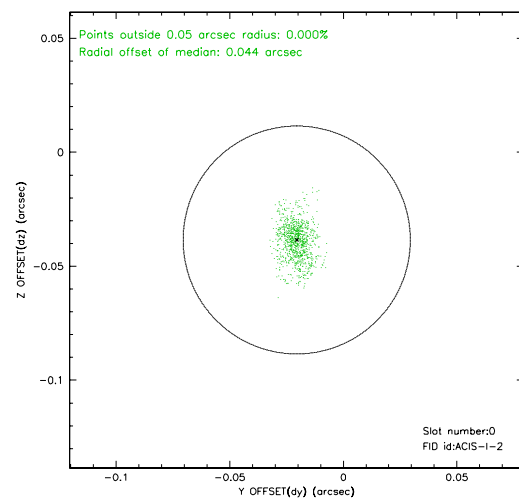
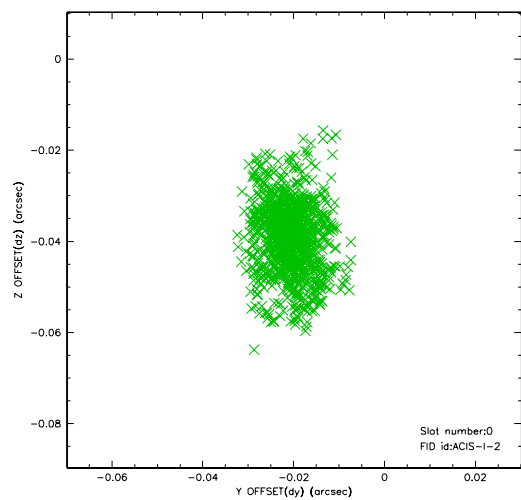


## 2.4.5 Slot 7

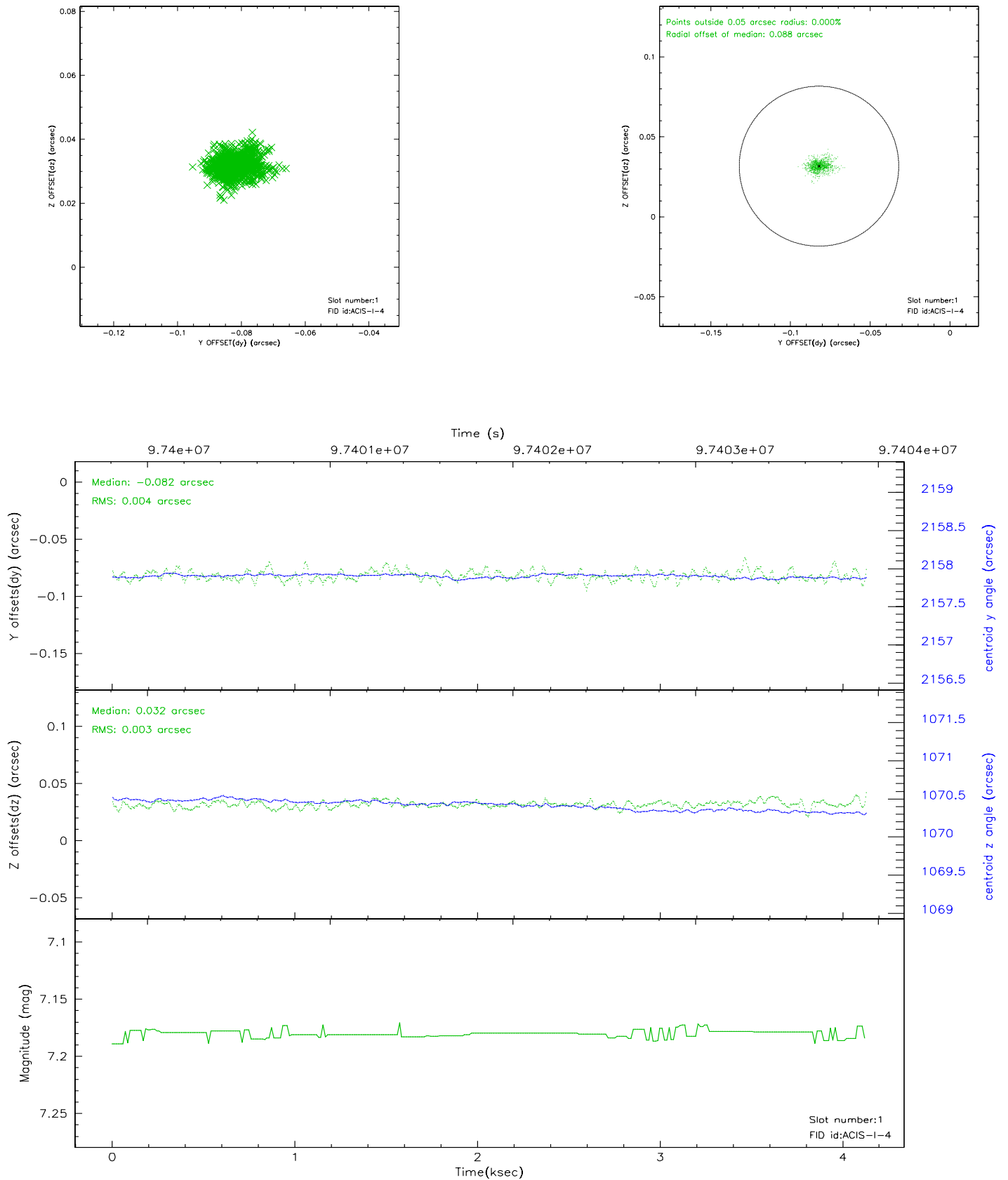


## 2.5 FID Slots

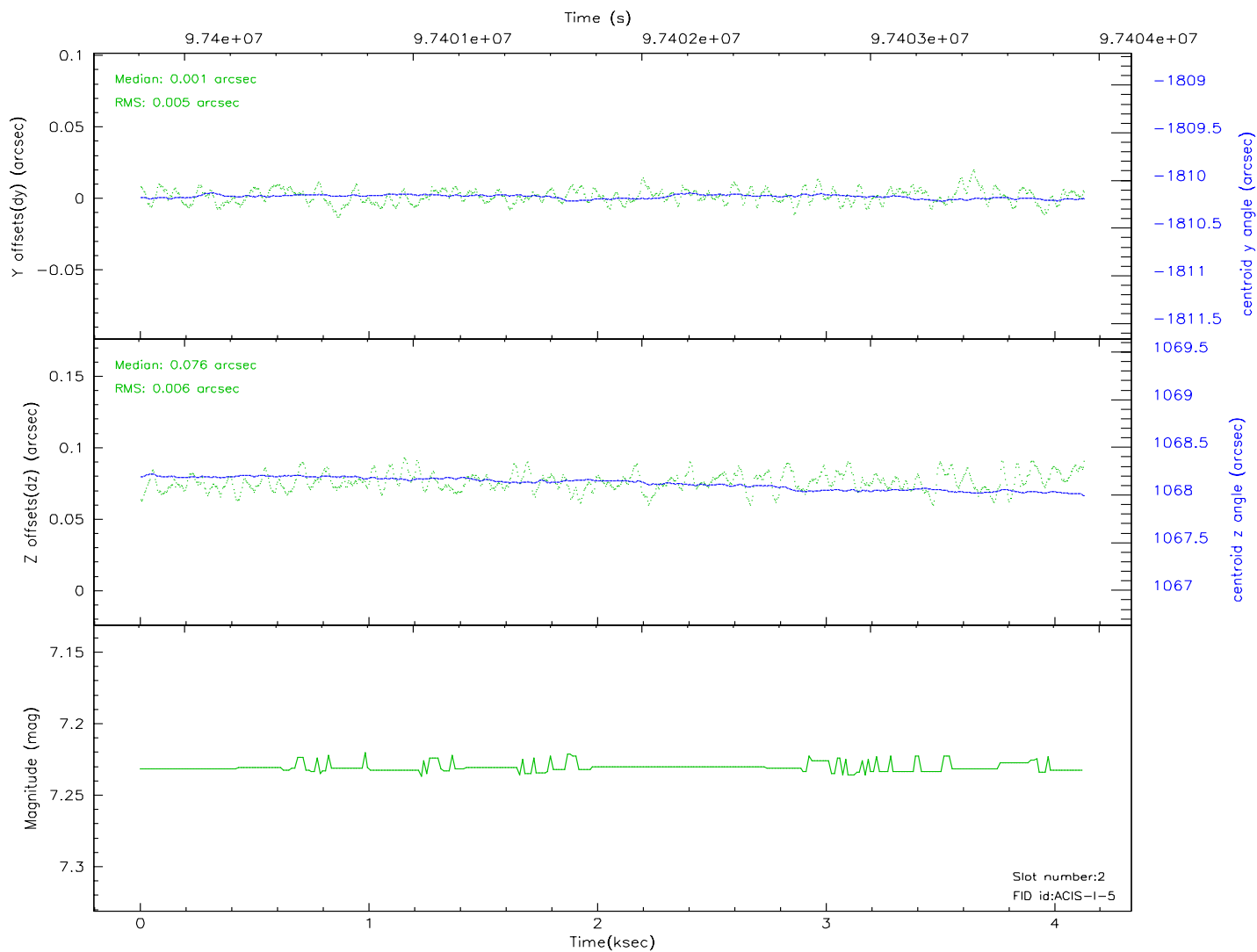
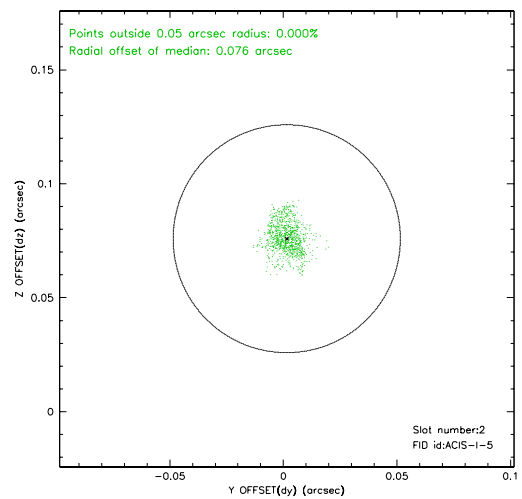
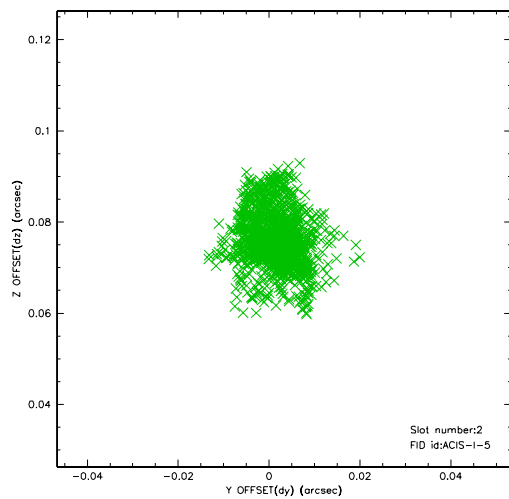
### 2.5.1 Slot 0



## 2.5.2 Slot 1

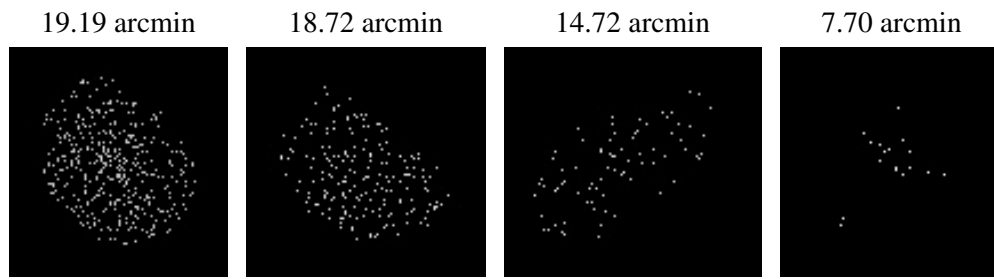


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.944

### A.2 Comments

Window constraint met.