

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 6094 - L2 Version 5  
Chandra X-Ray Center

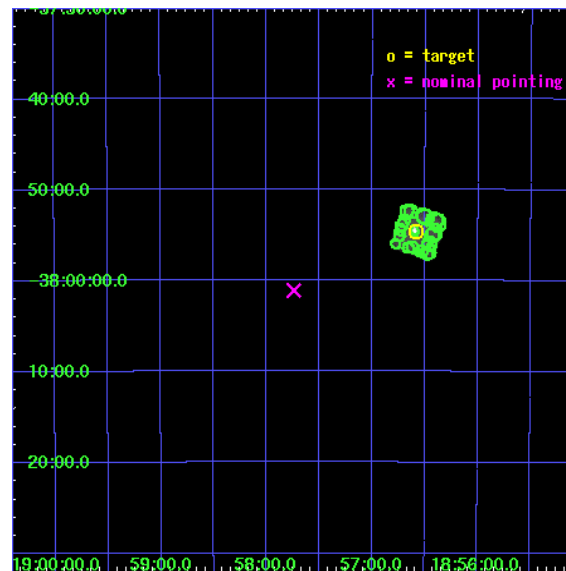
L2 Processing Date : Feb 5 2009

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# 1 Front

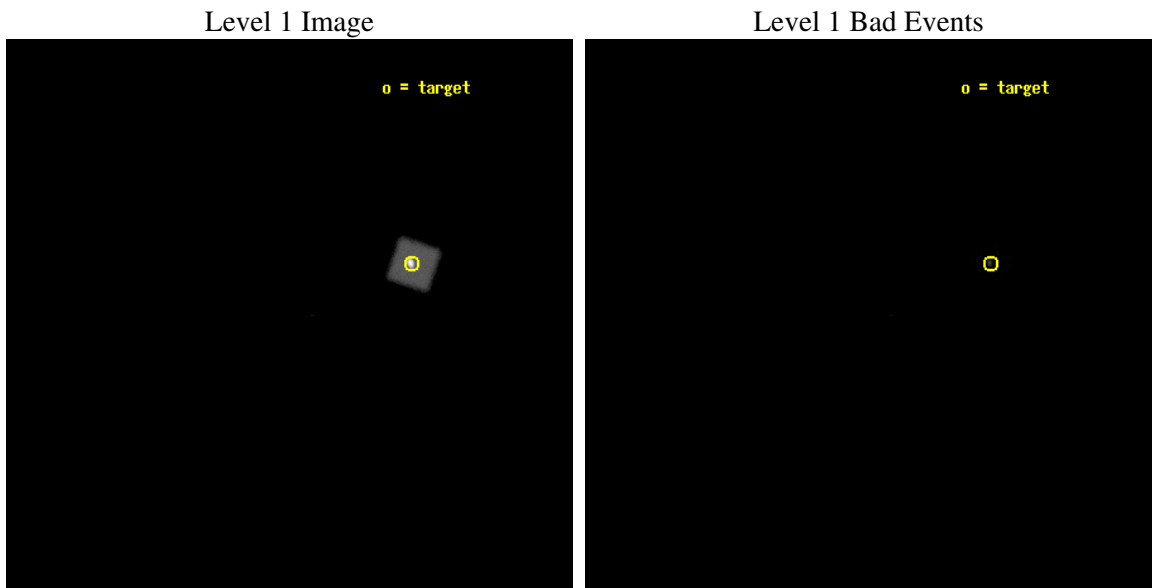
seq_num	990005
obs_id	6094
title	AO6 Calibration Observations of the ACIS charged particle background
observer	Dr. CXC Calibration
object	RXJ1856.5-3754
ra_targ	284.147083
dec_targ	-37.909611
ra_nom	284.43486173965
dec_nom	-38.018482073303
roll_nom	63.491359983563
revision	5
ontime	49478.033510983
livetime	49287.097471366
l2events	108741



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	2
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-05T10:26:49
revision	5

sched_exp_time	50000.000000
ontime	49543.633510947
l1events	126504

### 2.1.3 Events

#### Level 1 Events

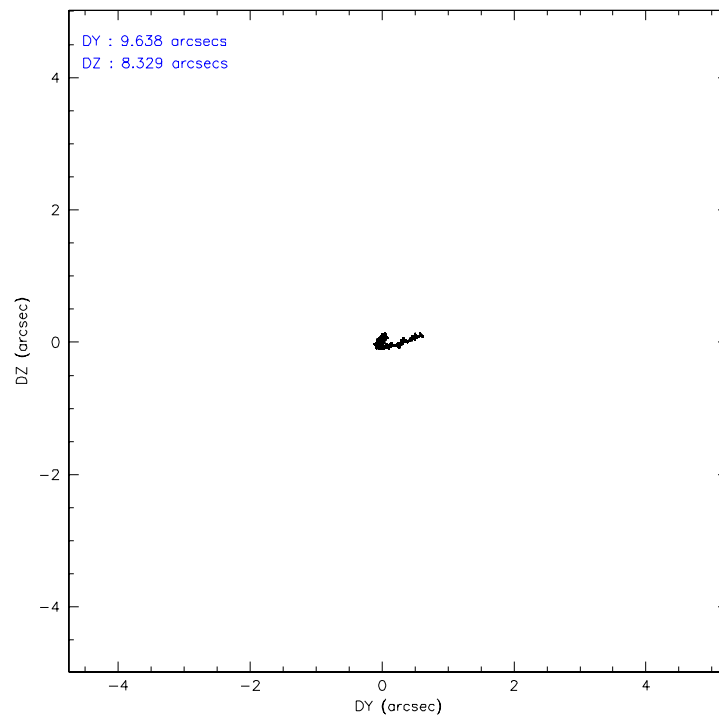
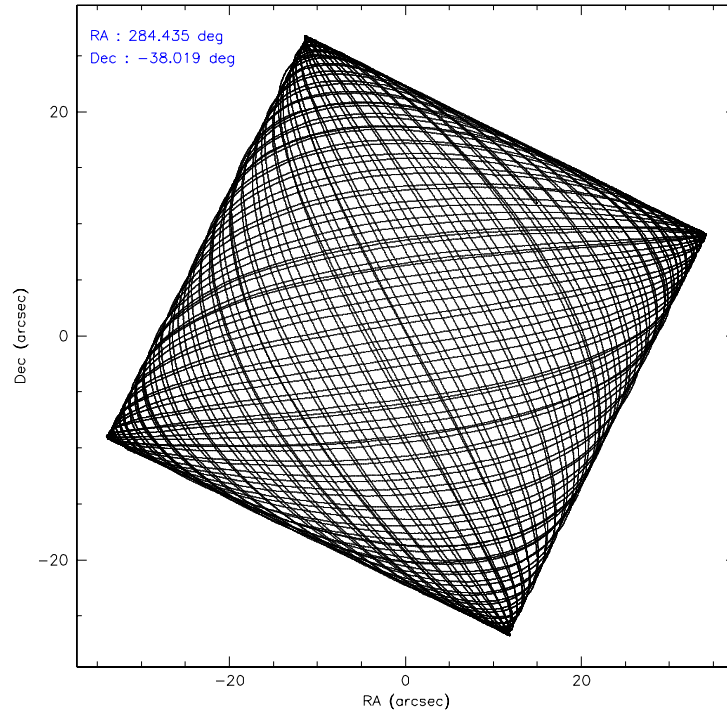
	<b>segment 0</b>
level 1 events	126504
rejected events	894
rejected %	0%

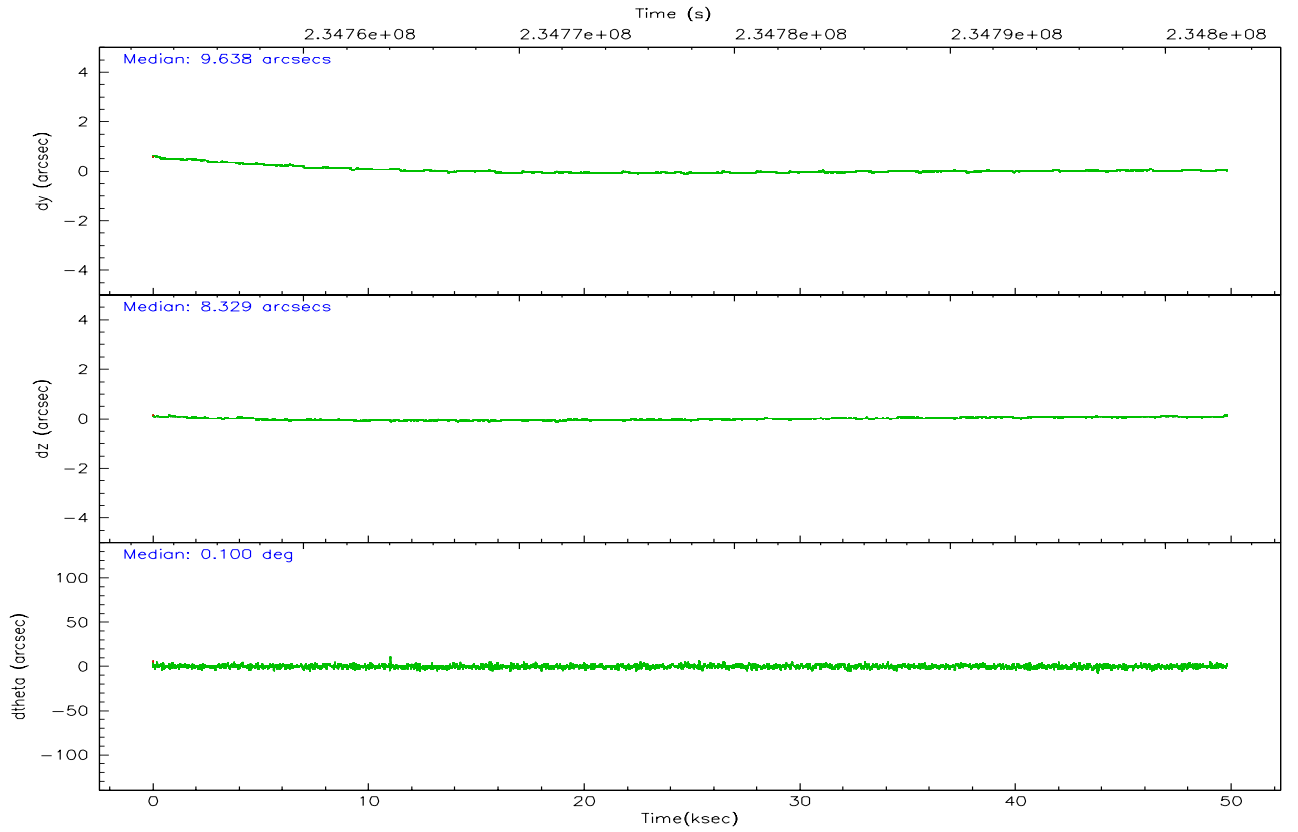
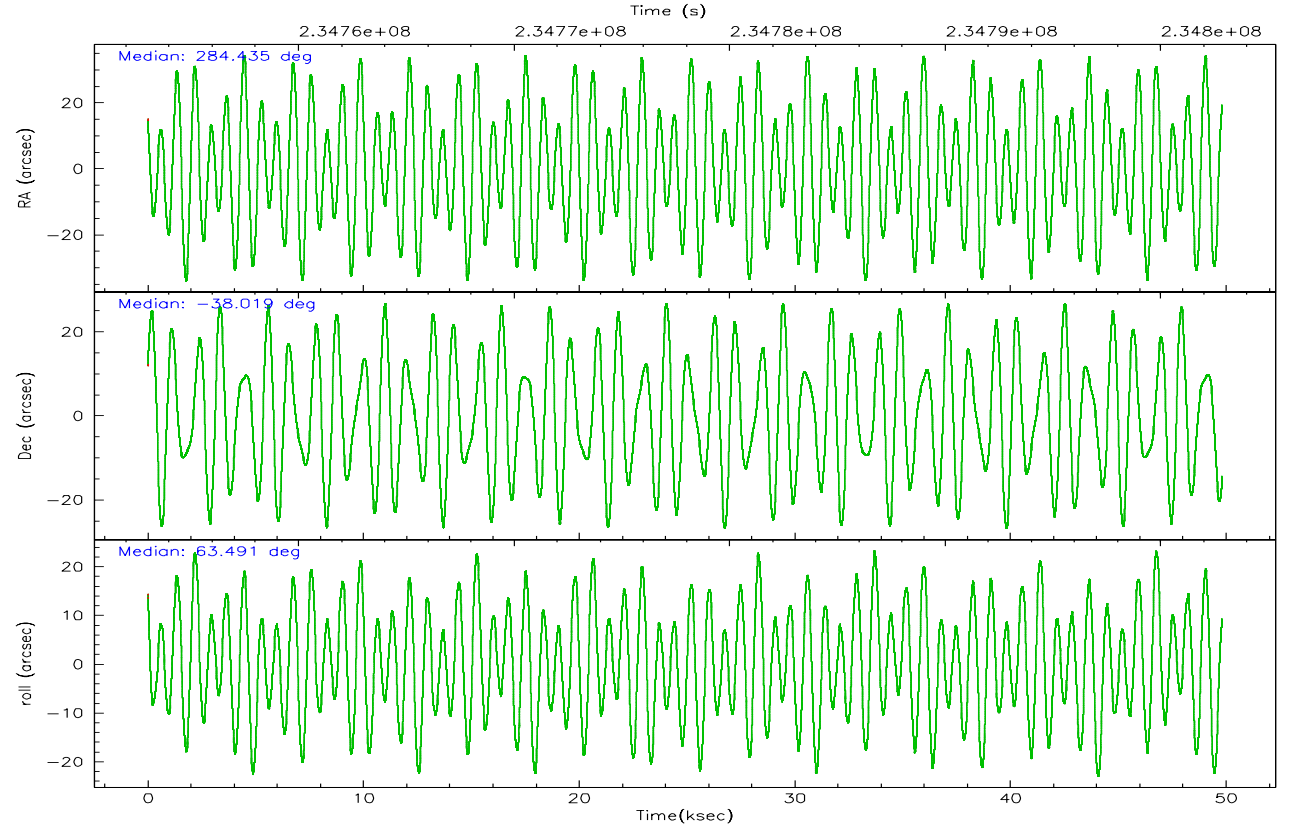


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE			
Observation mode	POINTING	POINTING			
Pointing RA	284.4348617396508	284.4348617396508			
Pointing Dec	-38.01848207330258	-38.01848207330258			
Pointing Roll	63.49135998356311	63.49135998356311			
Window start time	231292864.184000	231292864.184000			
Window stop time	236476864.184000	236476864.184000			
SIM focus pos (mm)	-1.038866356238299	-1.038866356238299			
SIM defocus (mm)	0.00142623211714632	0.00142623211714632			
SIM translation stage pos (mm)	51.99352612095925	51.99352612095925			
SIM translation stage offset (mm)	74.99196818432856	74.99196818432856			
Observation start time	234753024.184	234753024.184			
Observation start date	2005-06-10T01:09:20	2005-06-10T01:10:24			
Observation end time	234803024.184	234803024.184			
Observation end date	2005-06-10T15:02:40	2005-06-10T15:03:44			

## 2.3 Aspect



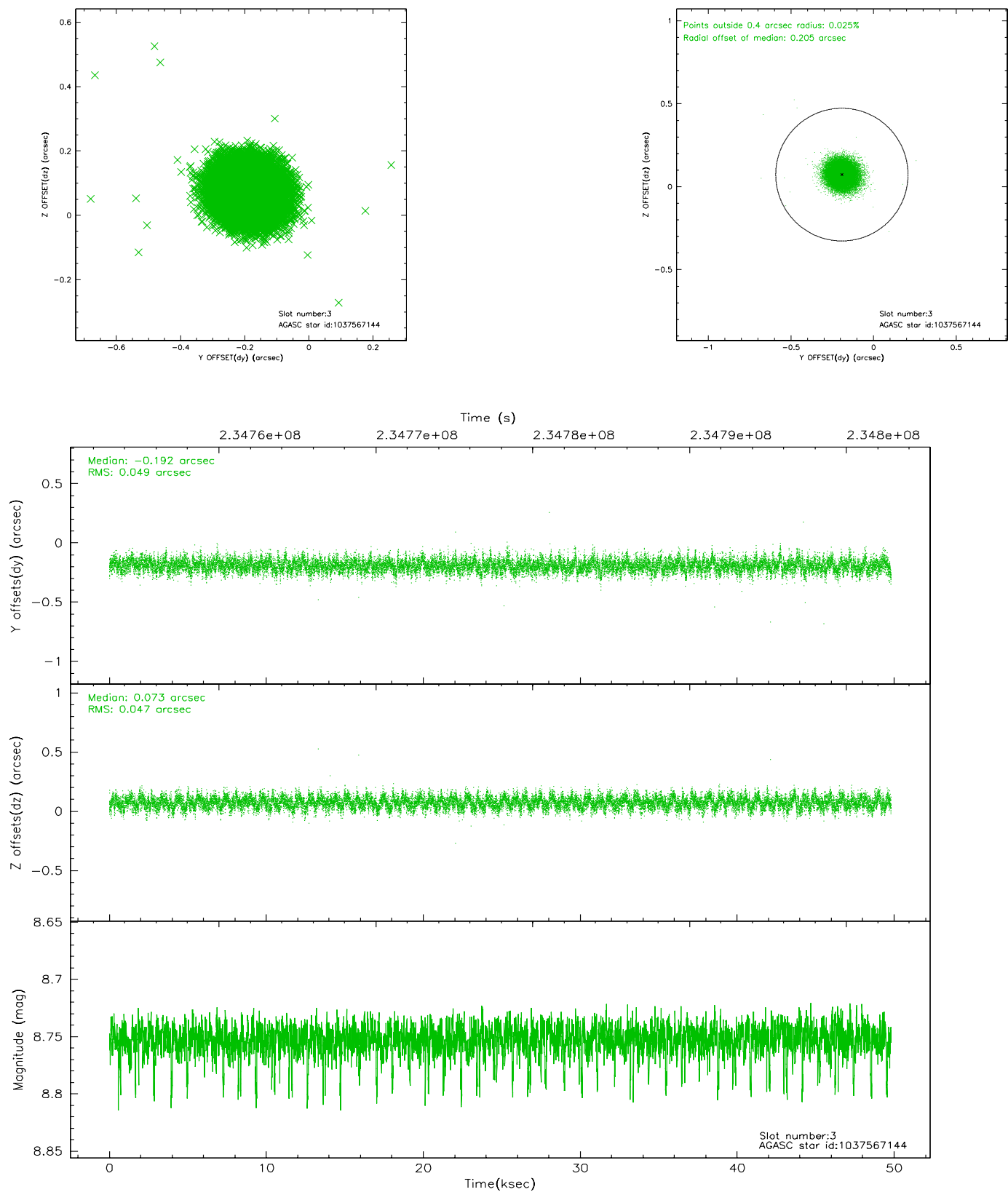


Slot Statistics

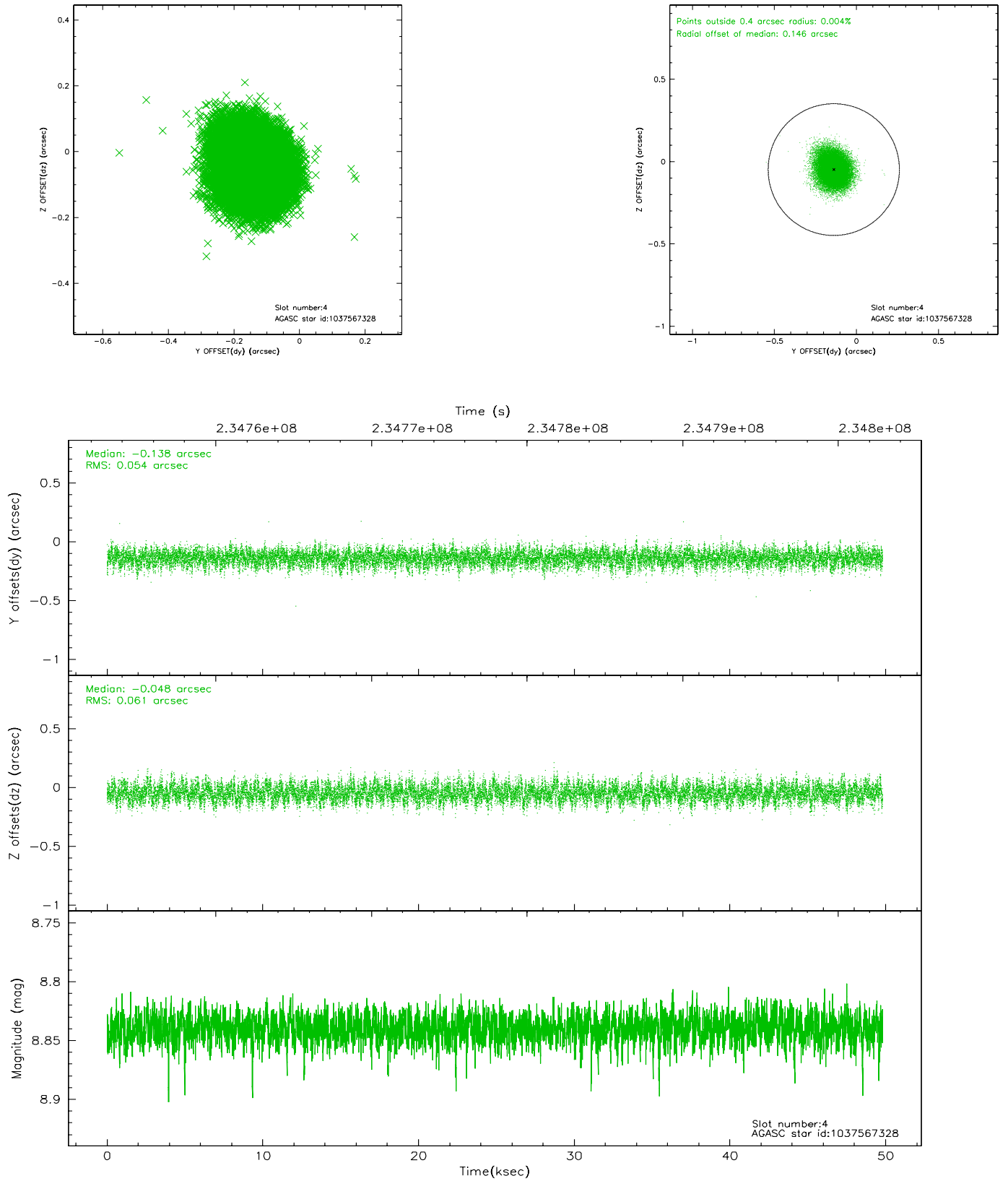
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.87	12151	-0.618	-0.028	0.004	0.009	0.000000	0.000000	-764.01	241.71
1	FID	HRC-I-2	7.01	12150	0.697	-0.026	0.004	0.009	0.000000	0.000000	846.79	242.72
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1037567144	8.75	24293	-0.192	0.073	0.072	0.116	284.940440	-37.605390	2053.13	-580.83
4	GUIDE	1037567328	8.84	24292	-0.138	-0.048	0.087	0.140	284.052016	-37.647288	792.79	1621.45
5	GUIDE	1037576824	8.72	24293	0.002	-0.108	0.071	0.113	284.177029	-38.323536	-1224.87	213.86
6	GUIDE	1037578168	8.11	24300	0.073	0.049	0.069	0.111	284.493659	-38.169059	-329.02	-339.79
7	GUIDE	1037583776	9.61	24283	0.257	0.033	0.119	0.195	283.709166	-38.488656	-2349.05	1125.66

## 2.4 Star Slots

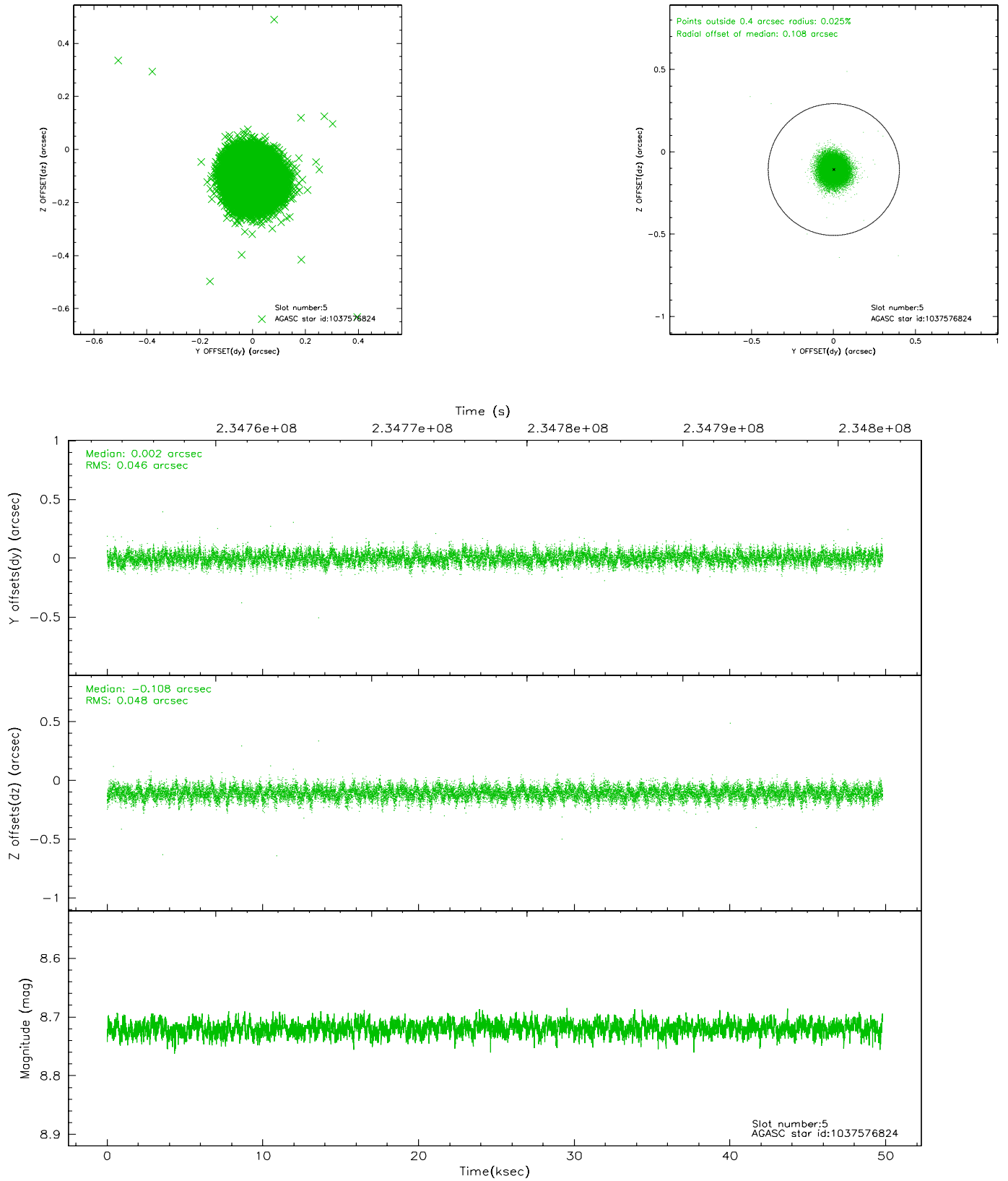
### 2.4.1 Slot 3



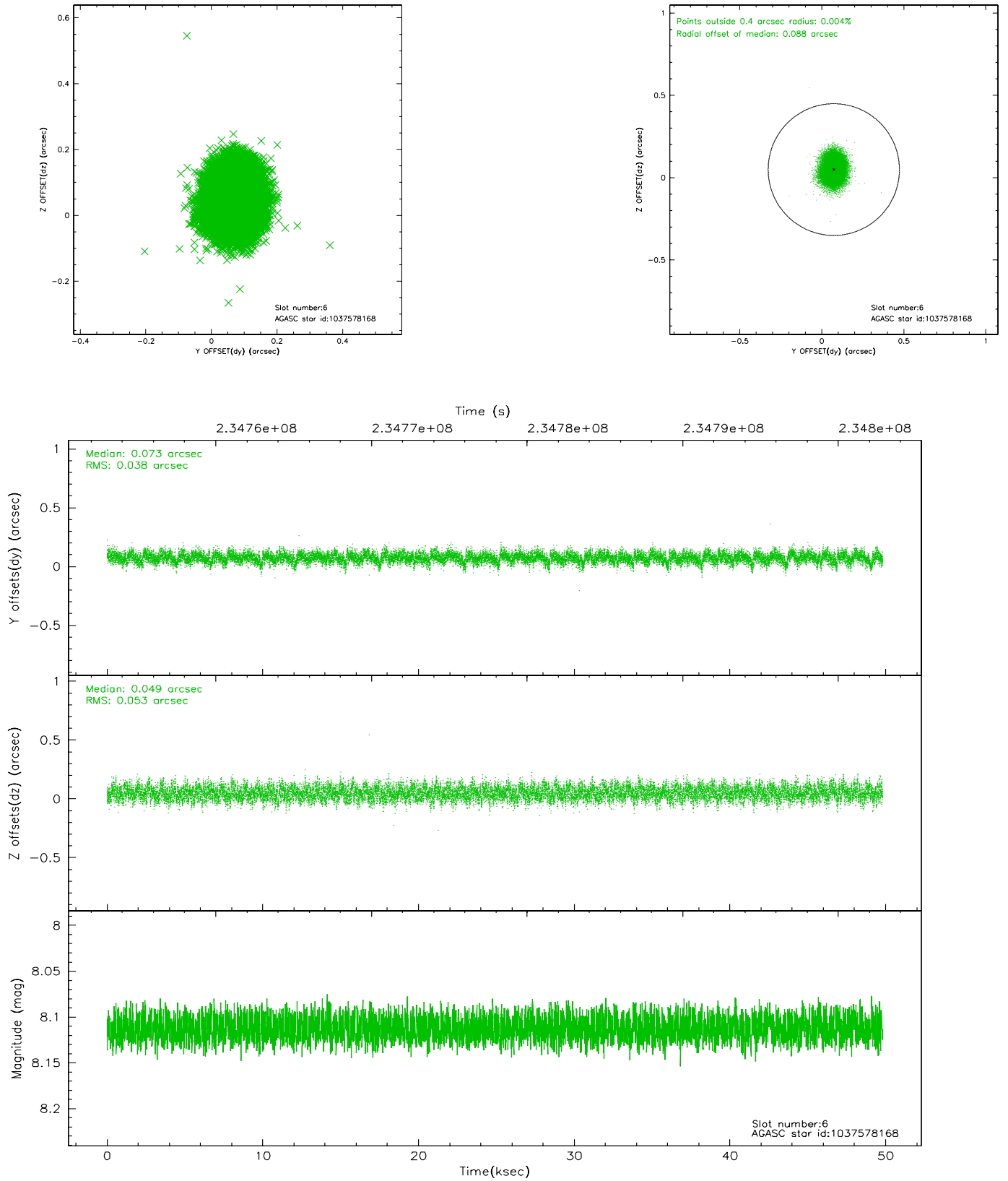
## 2.4.2 Slot 4



### 2.4.3 Slot 5

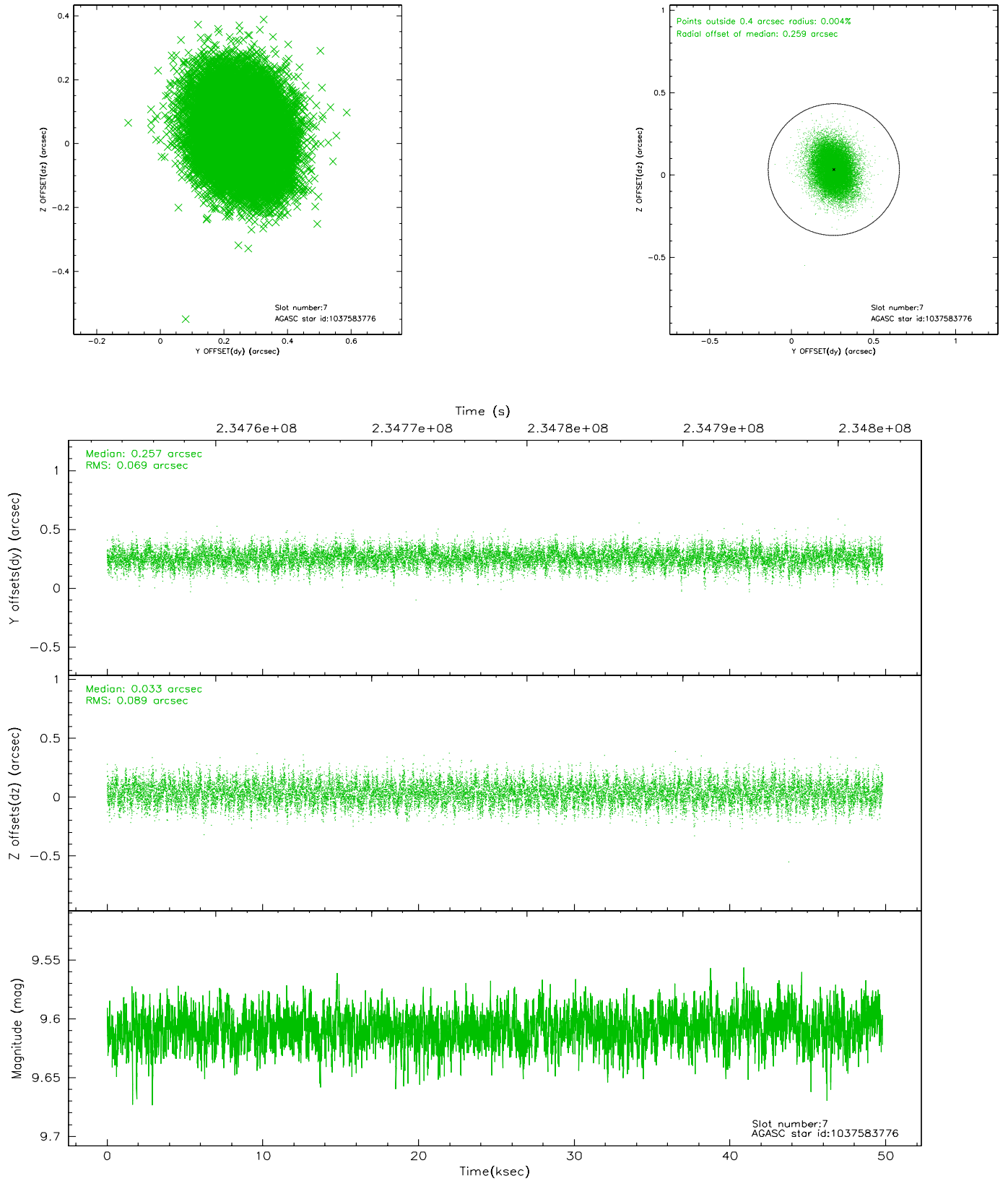


## 2.4.4 Slot 6



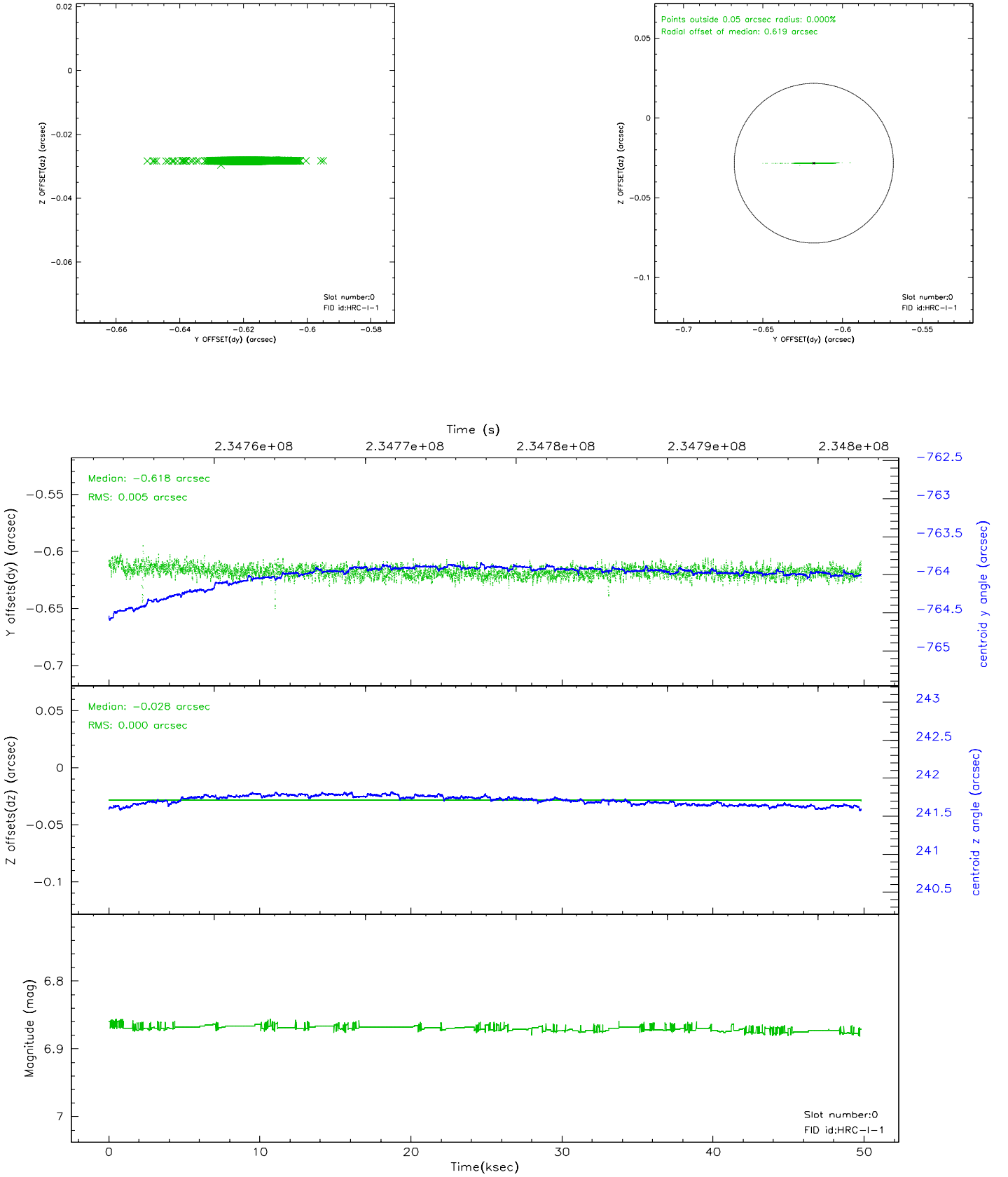


## 2.4.5 Slot 7

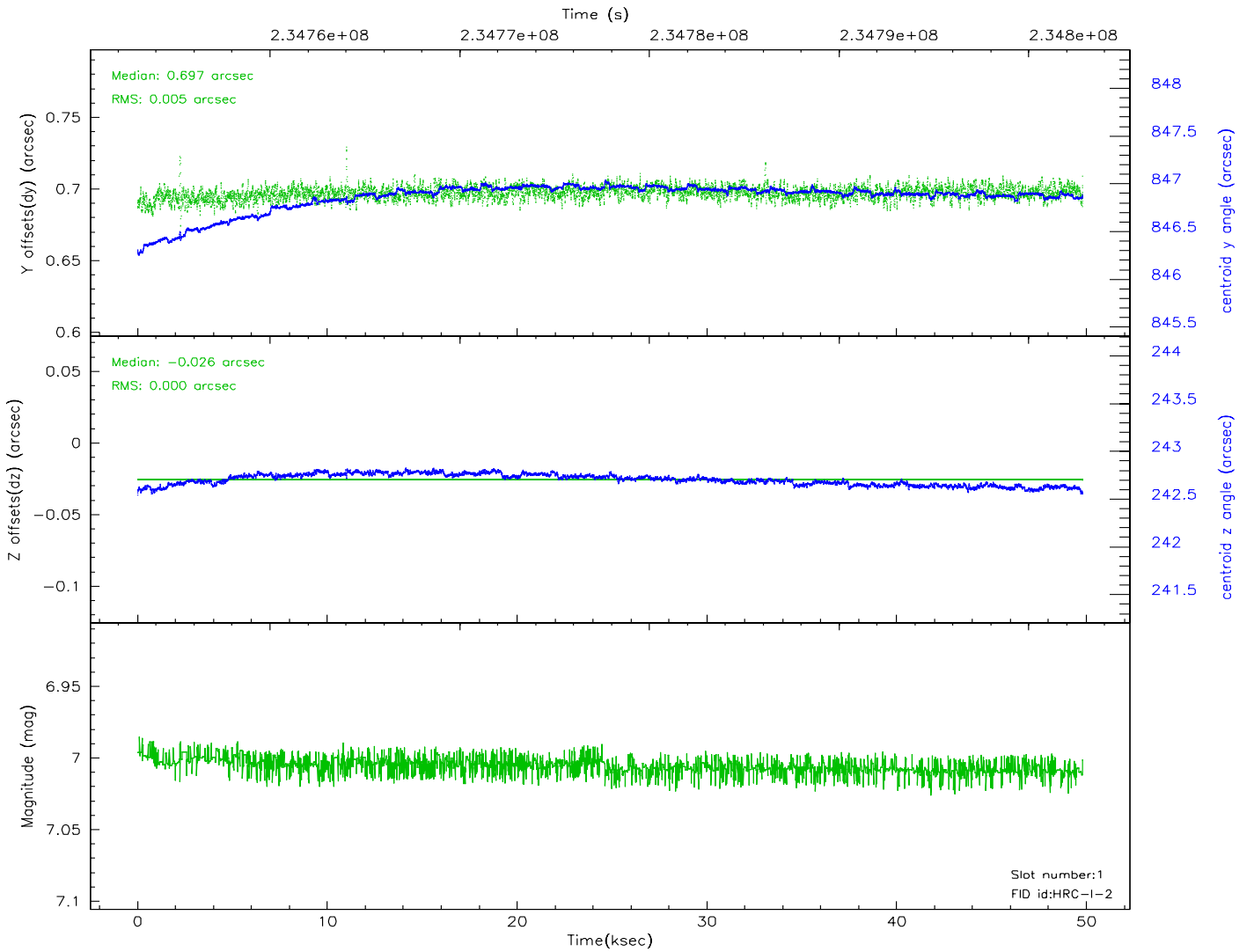
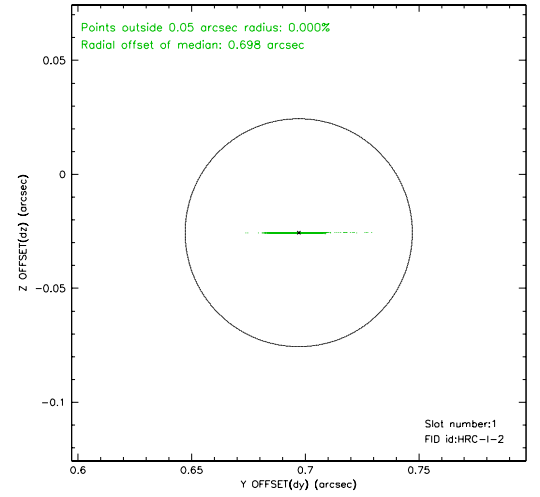
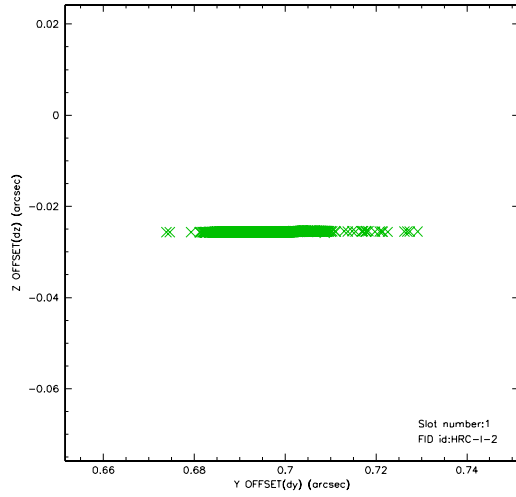


## 2.5 FID Slots

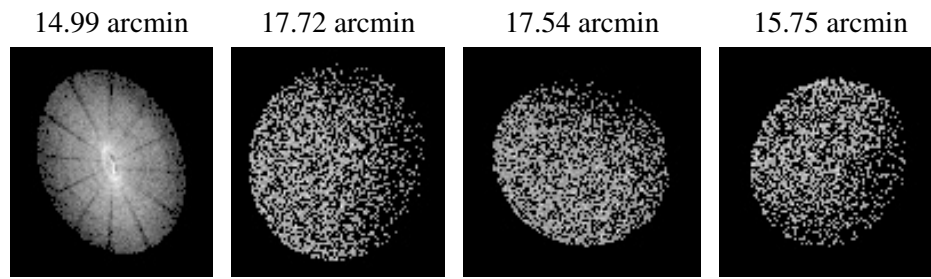
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.47803

## A.2 Comments

ACIS undercover observation, override obspar used, HRC in NEXT\_IN\_LINE mode. Chip is far off-axis due to calibration mode used. Window constraint met. Fids appear as flat lines because only two were used. Large fid radial offsets are because the detector is far off-axis.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.