

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 4356 - L2 Version 3  
Chandra X-Ray Center

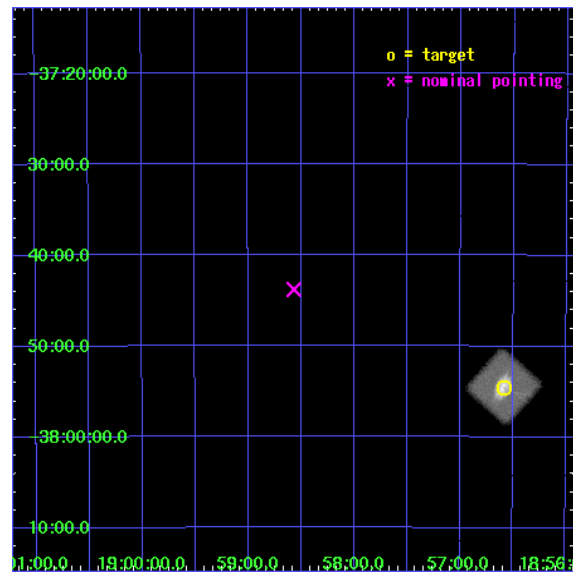
L2 Processing Date : Feb 4 2009

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# 1 Front

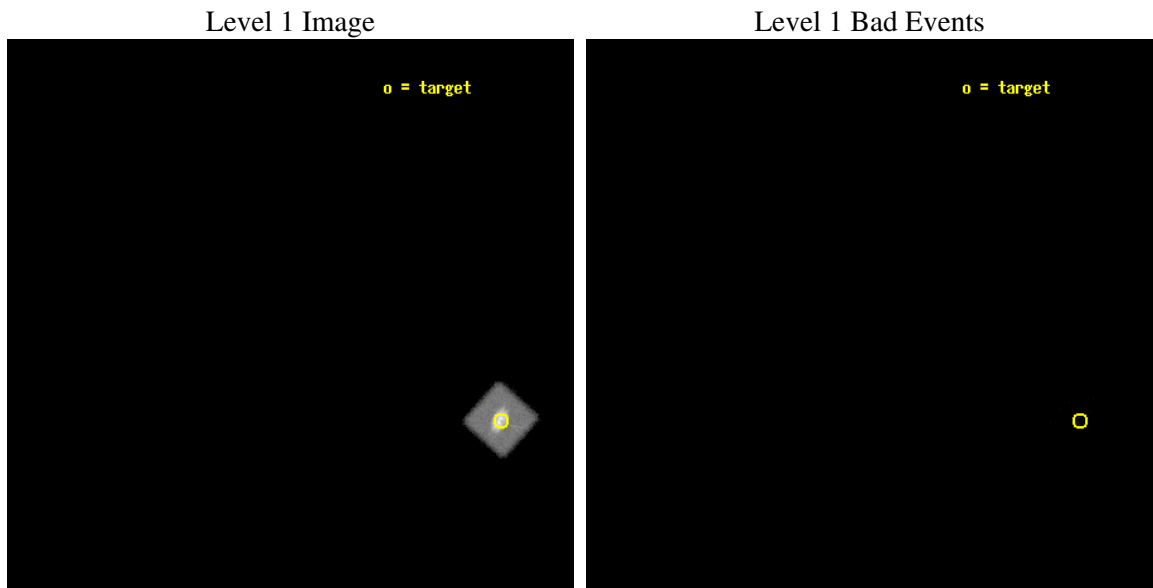
seq_num	990001
obs_id	4356
title	AO4 CALIBRATION OBSERVATION TO MEASURE THE ACIS CHARGED PARTICLE BACKGROUND
observer	DR. CXC CALIBRATION
object	RXJ1856.5-3754
ra_targ	284.147083
dec_targ	-37.909611
ra_nom	284.64204557526
dec_nom	-37.729955994818
roll_nom	86.886918547729
revision	3
ontime	49724.802093863
livetime	49584.080867091
l2events	94113



## 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	2009-02-05T01:11:58
revision	3

sched_exp_time	50000.000000
ontime	49790.402103871
l1events	111283

### 2.1.3 Events

#### Level 1 Events

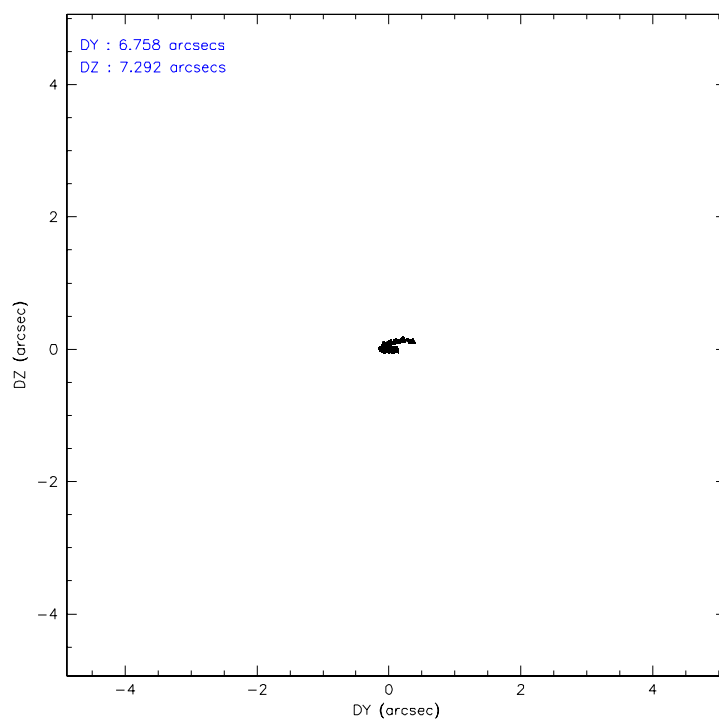
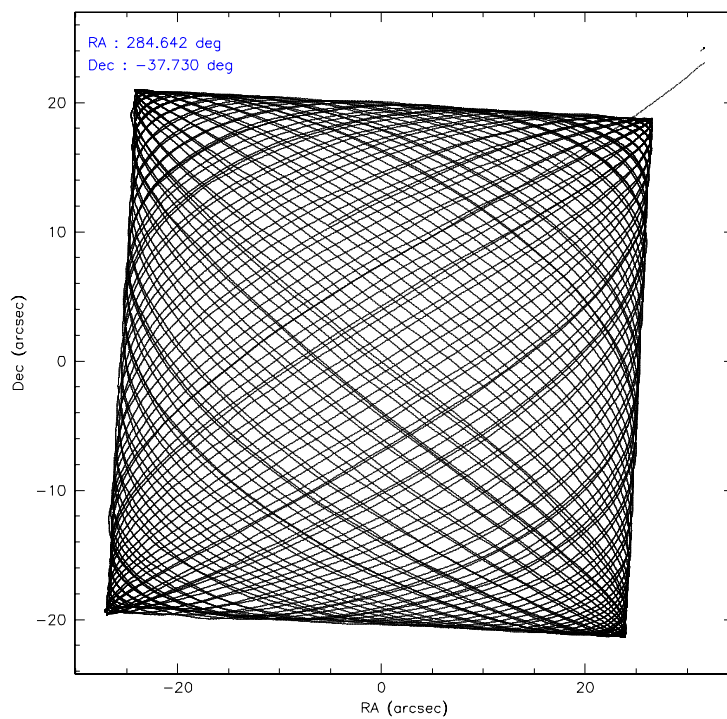
	<b>segment 0</b>
level 1 events	111283
rejected events	201
rejected %	0%

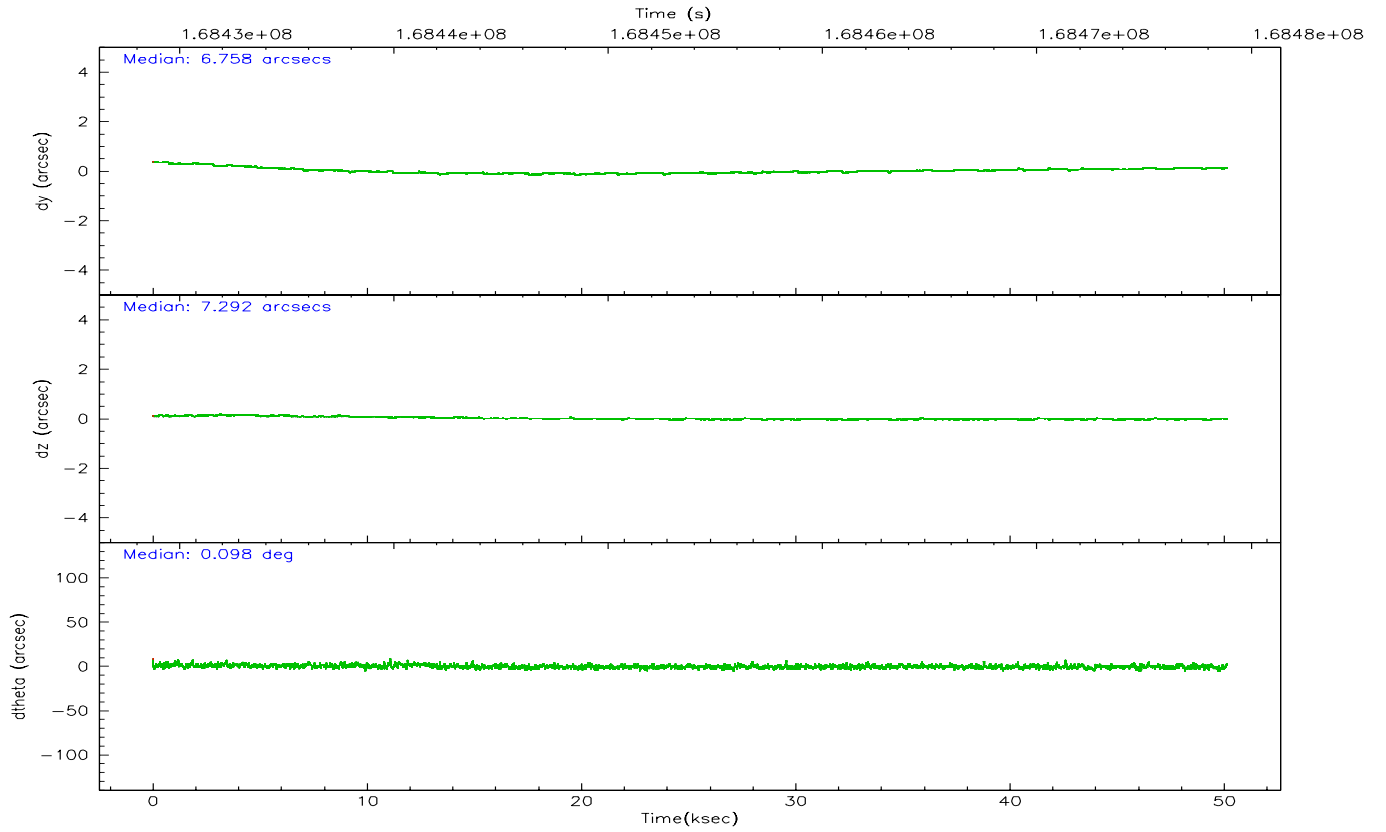
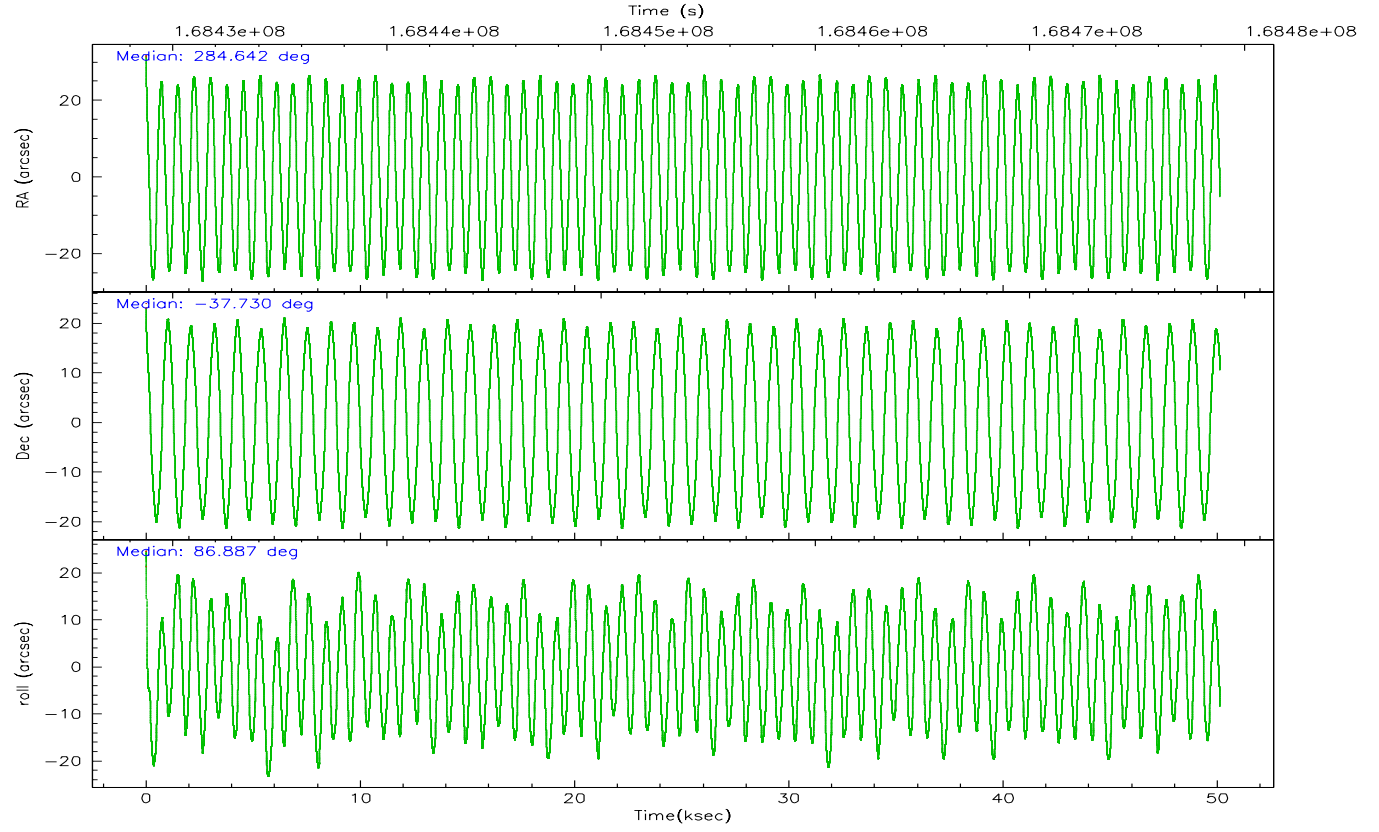


## 2.2 Compared Parameters

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	284.6420455752587	284.6420455752587			
Pointing Dec	-37.72995599481775	-37.72995599481775			
Pointing Roll	86.88691854772938	86.88691854772938			
Window start time	168177664.184000	168177664.184000			
Window stop time	170769664.184000	170769664.184000			
SIM focus pos (mm)	-1.0388663562	-1.0388663562			
SIM defocus (mm)	0.00142623215544524	0.00142623215544524			
SIM translation stage pos (mm)	51.998554752	51.998554752			
SIM translation stage offset (mm)	74.98693955328781	74.98693955328781			
Observation start time	168428752.9655553	168428752.9655553			
Observation start date	2003-05-04T09:47:03	2003-05-04T09:45:52			
Observation end time	168478888.792678	168478888.792678			
Observation end date	2003-05-04T23:40:23	2003-05-04T23:41:28			

## 2.3 Aspect



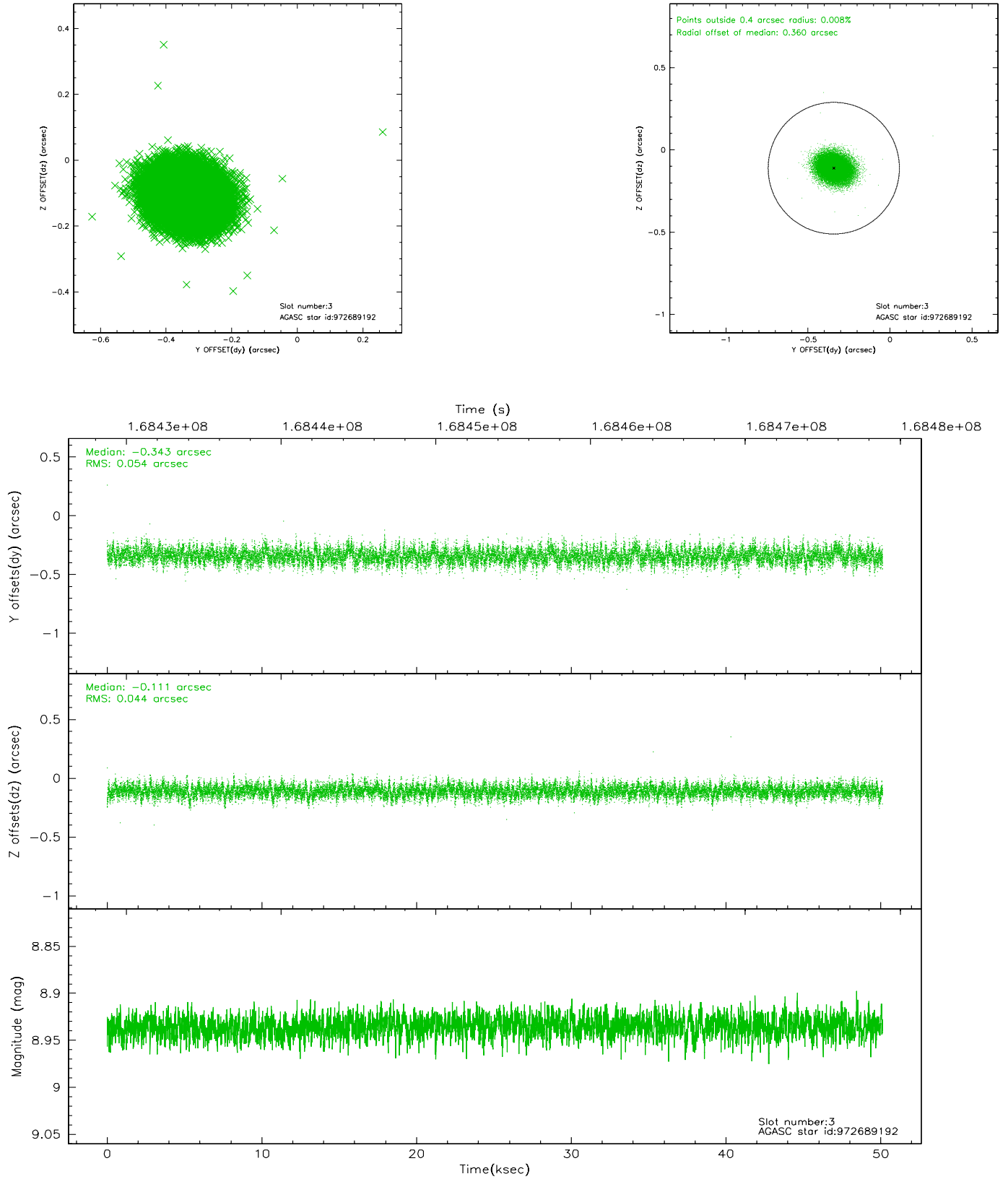


### Slot Statistics

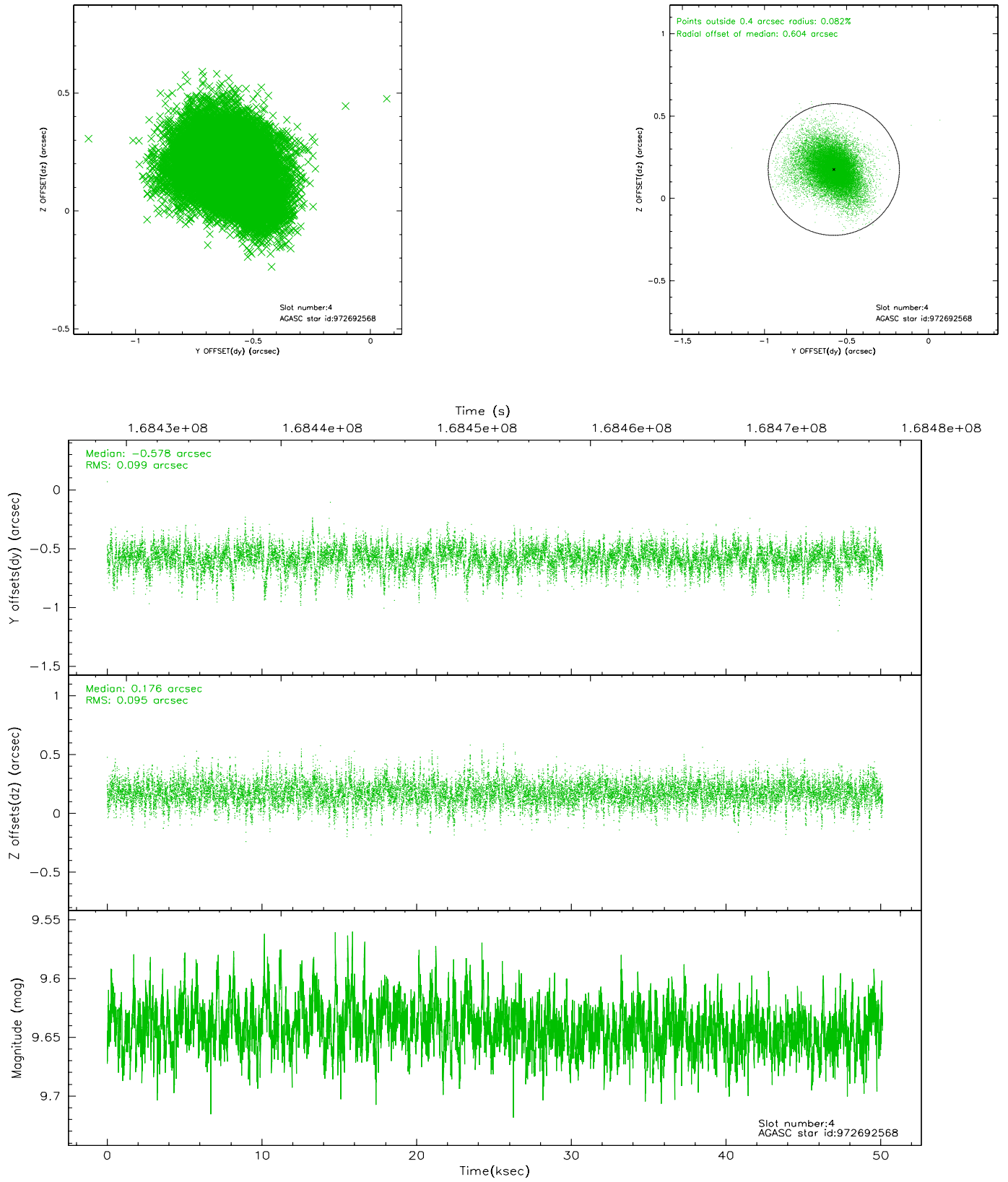
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.88	12220	-0.600	-0.028	0.006	0.011	0.000000	0.000000	-761.01	242.62
1	FID	HRC-I-2	7.01	12218	0.679	-0.026	0.006	0.011	0.000000	0.000000	849.76	243.69
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	972689192	8.94	24436	-0.343	-0.111	0.074	0.122	284.589186	-37.133486	2219.37	315.18
4	GUIDE	972692568	9.64	24368	-0.578	0.176	0.140	0.251	285.064965	-37.263950	1819.32	-1070.93
5	GUIDE	1037578896	9.51	24433	0.287	0.056	0.101	0.163	284.843589	-38.309928	-1971.86	-627.77
6	GUIDE	1037579152	9.42	24387	0.370	0.072	0.095	0.158	284.871467	-38.408588	-2322.77	-724.14
7	GUIDE	1037584280	9.75	24420	0.271	-0.194	0.126	0.208	284.378061	-38.396946	-2354.51	667.85

## 2.4 Star Slots

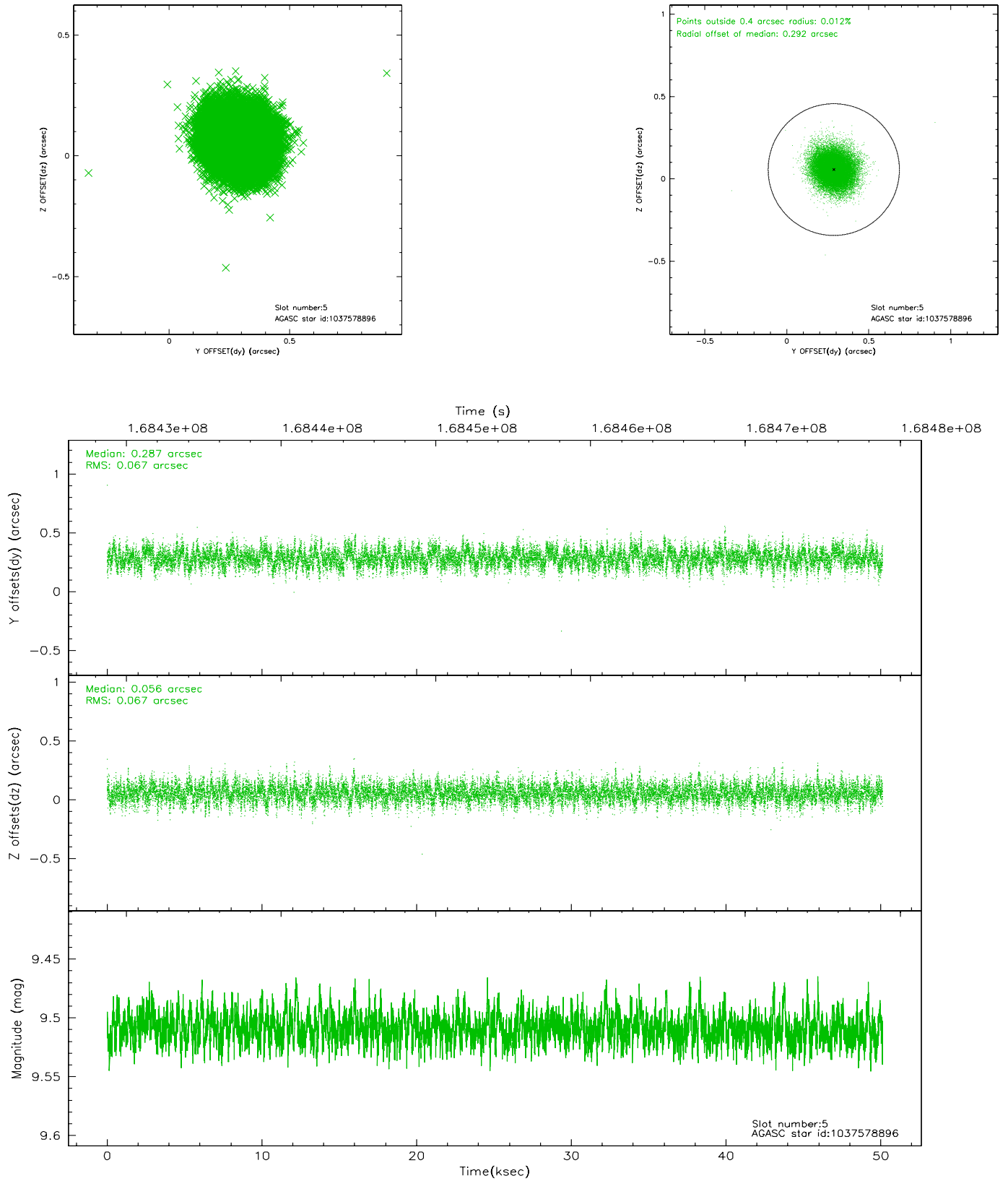
### 2.4.1 Slot 3



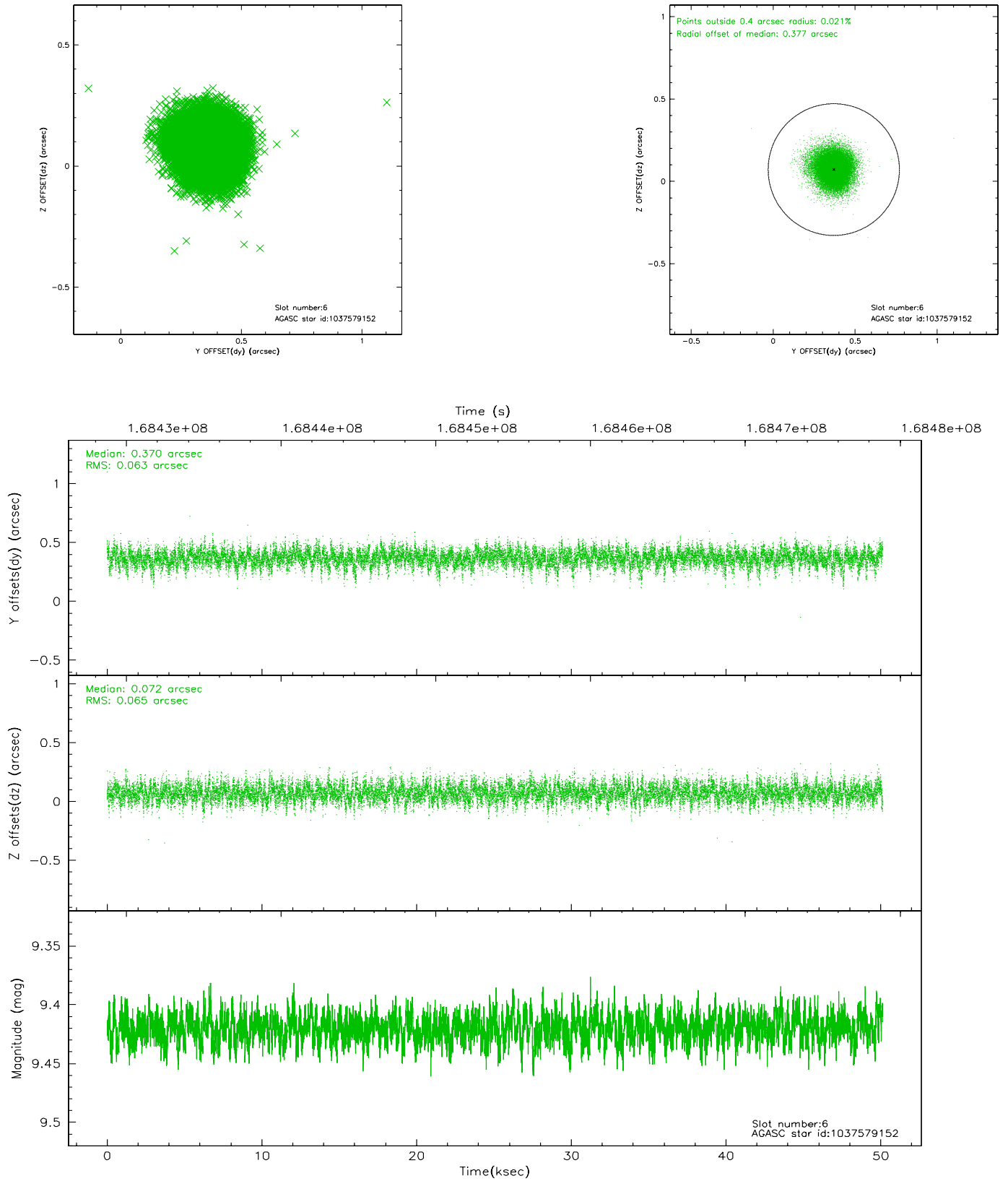
## 2.4.2 Slot 4



### 2.4.3 Slot 5

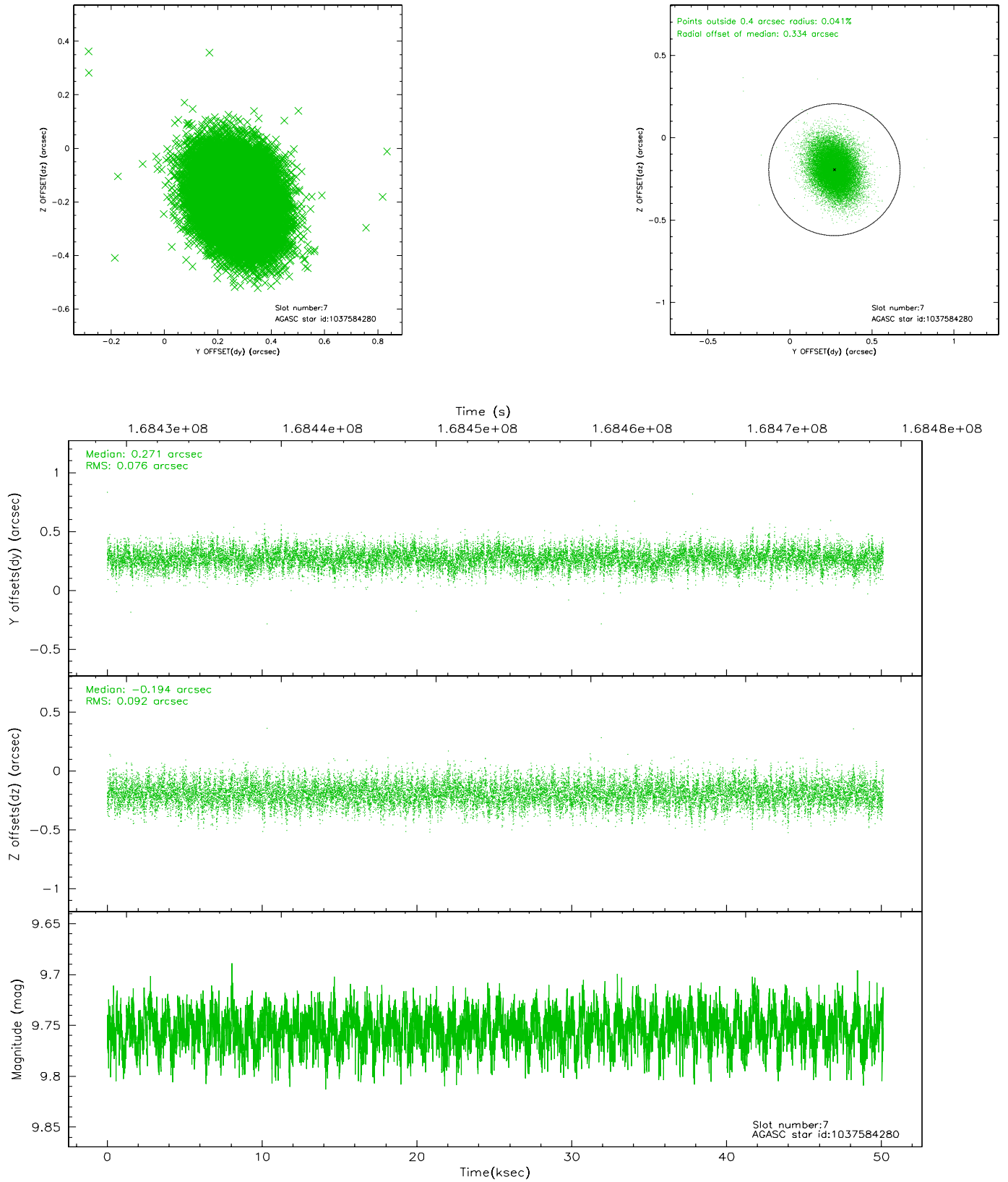


## 2.4.4 Slot 6



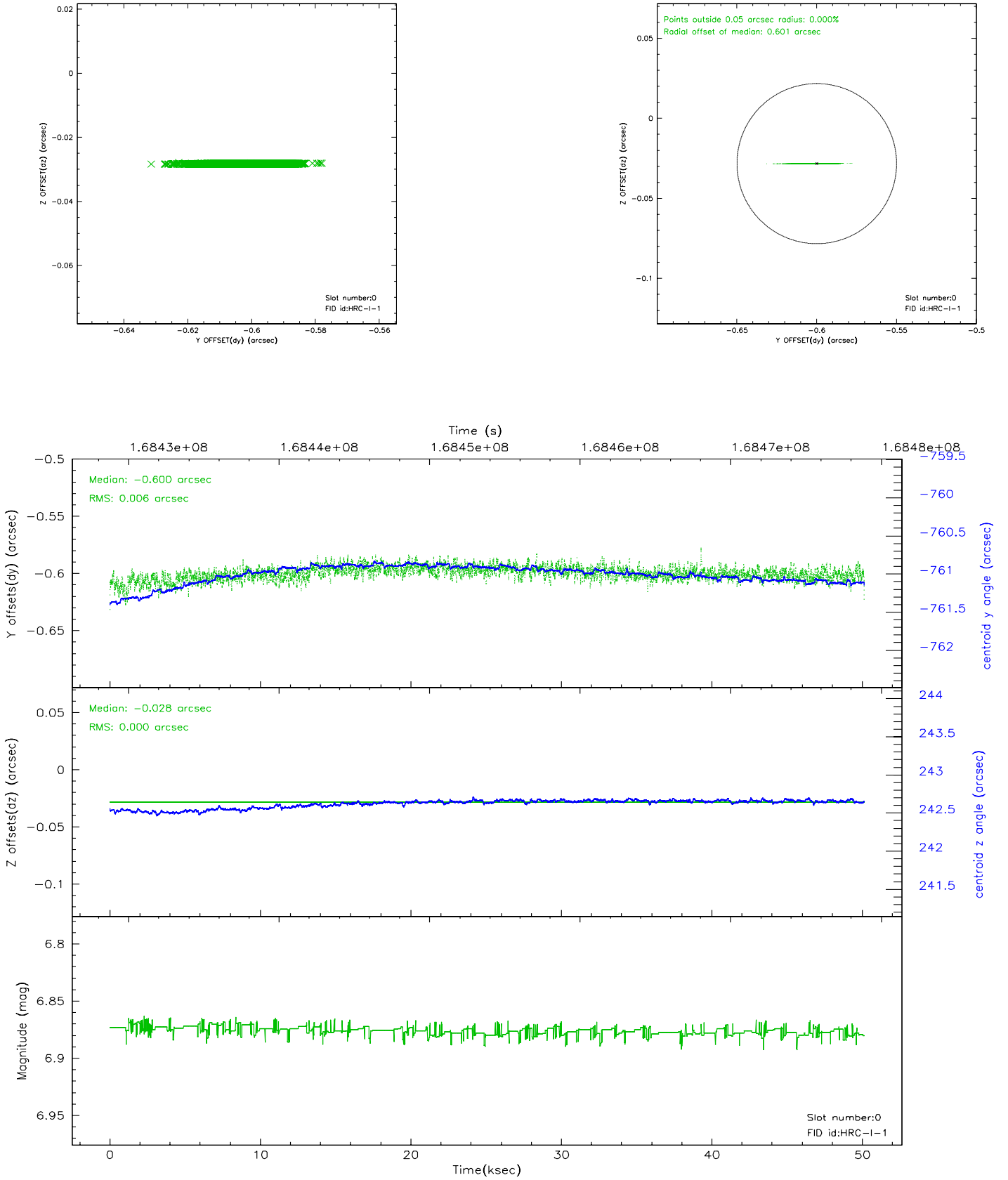


## 2.4.5 Slot 7

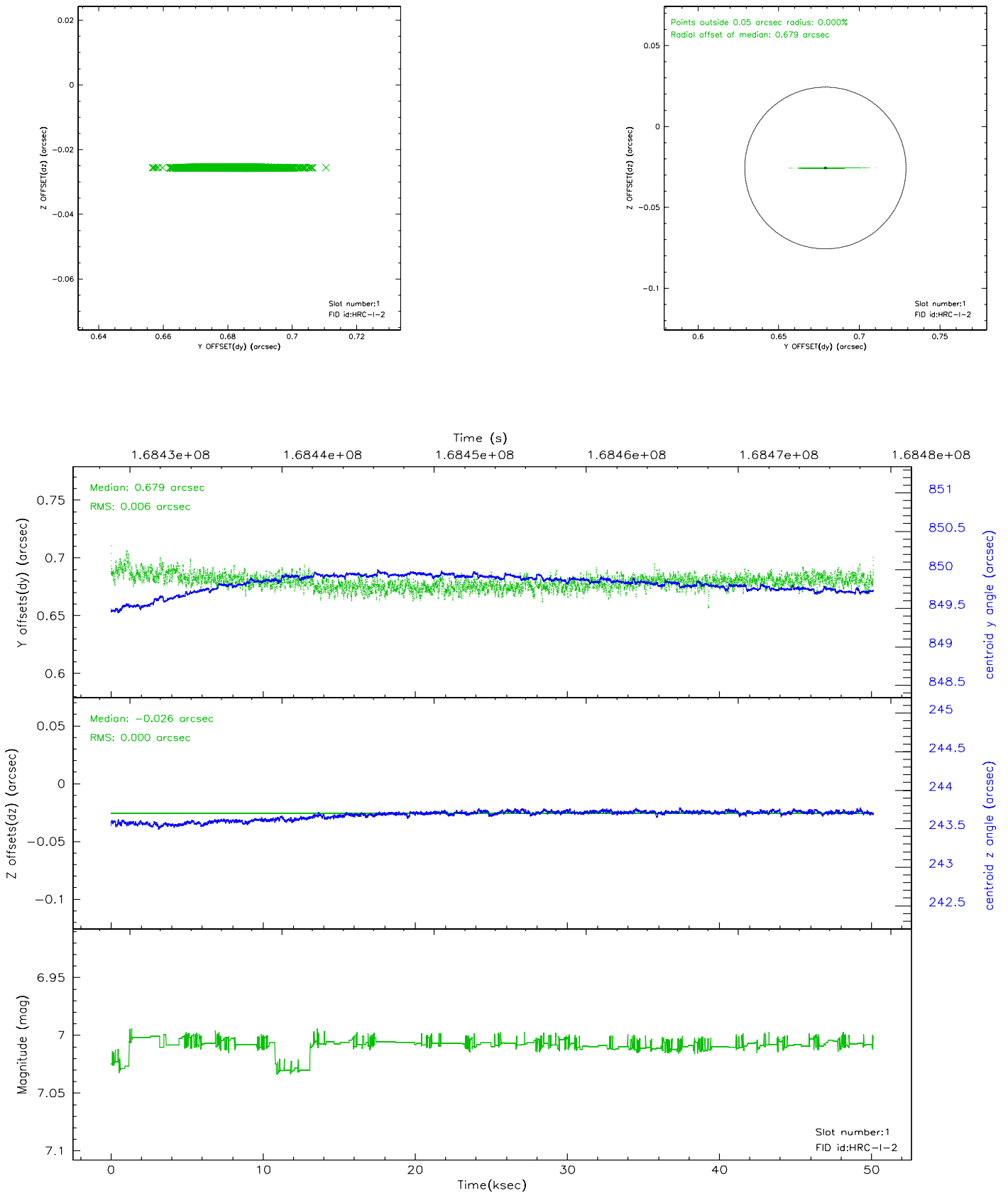


## 2.5 FID Slots

### 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	49.725

## A.2 Comments

Fid offsets greater than normal limits are expected in this ACIS undercover observation, because HRC is in the focal plane.

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.