

# V&V Reference Report

## L2 ASCDS Version : 7.6.11.10

Observation 4287 - L2 Version 4  
Chandra X-Ray Center

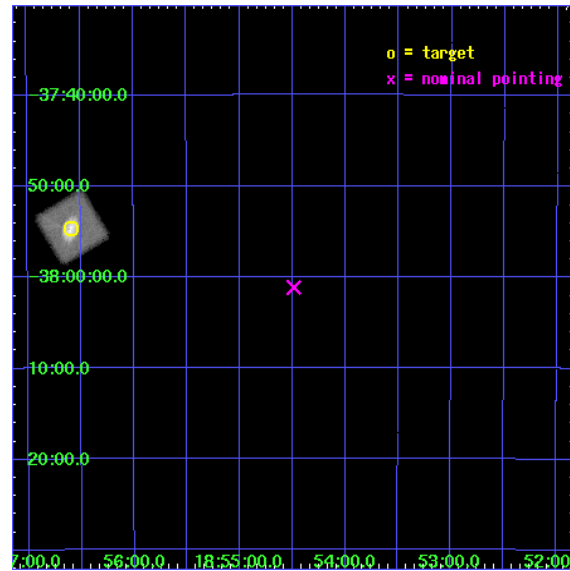
L2 Processing Date : Feb 4 2009

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# 1 Front

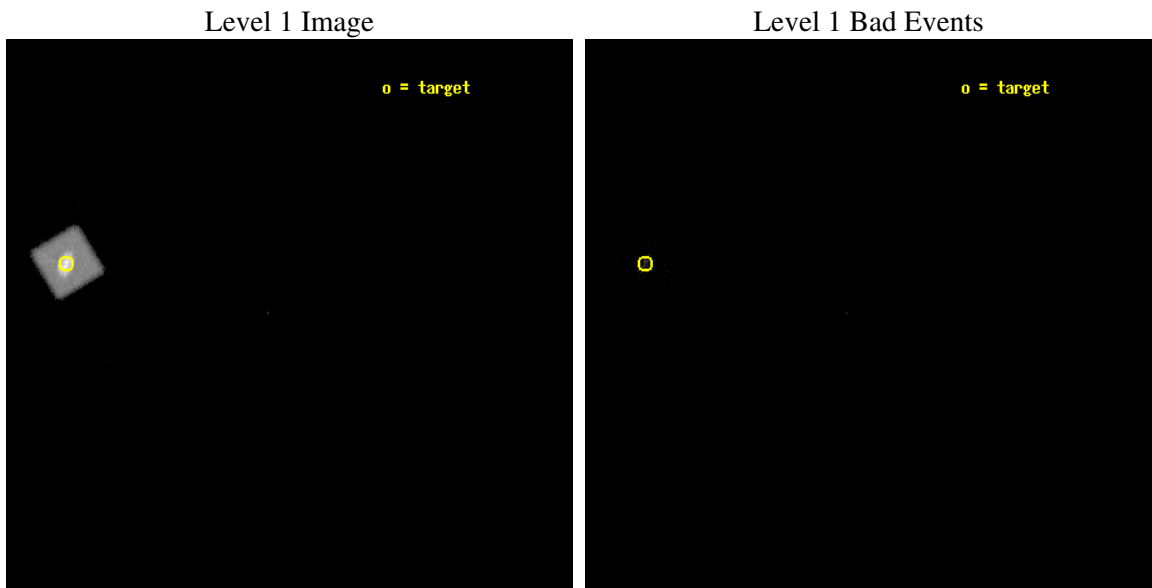
seq_num	490019
obs_id	4287
title	CALIBRATION OF ACIS PARTICLE BACKGROUND AND HRC QUANTUM EFFICIENCY
observer	DR. MAXIM MARKEVITCH
object	RXJ1856.5-3754
ra_targ	284.147083
dec_targ	-37.909611
ra_nom	283.62154398028
dec_nom	-38.019500439527
roll_nom	284.07927020697
revision	4
ontime	54644.802256942
livetime	54528.802253552
l2events	103839



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T22:56:34
revision	4

sched_exp_time	55000.000000
ontime	54677.602256924
l1events	136769

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	136769
rejected events	714
rejected %	0%

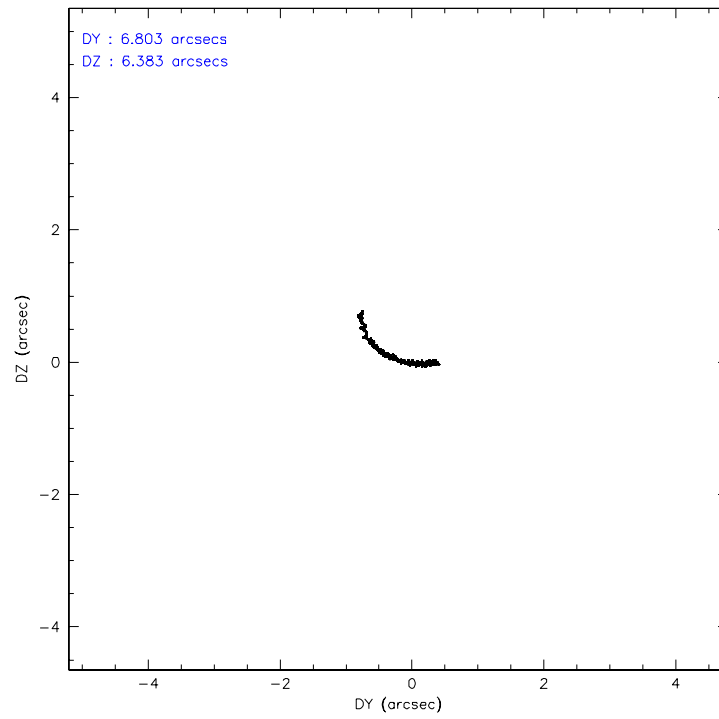
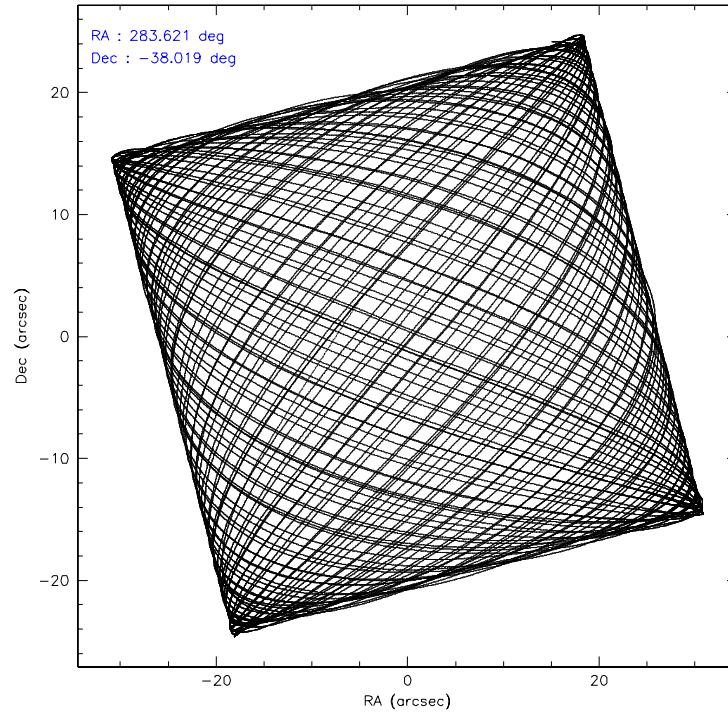


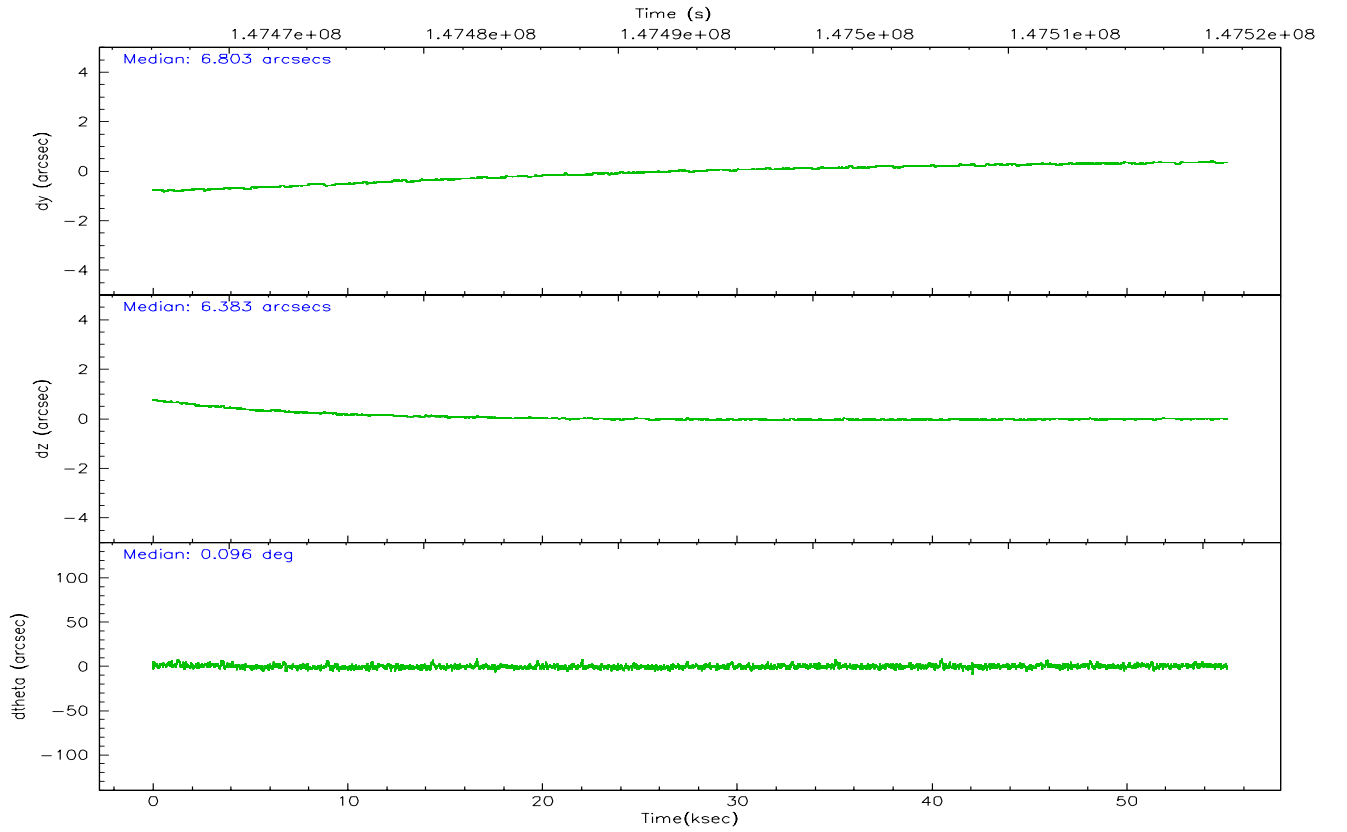
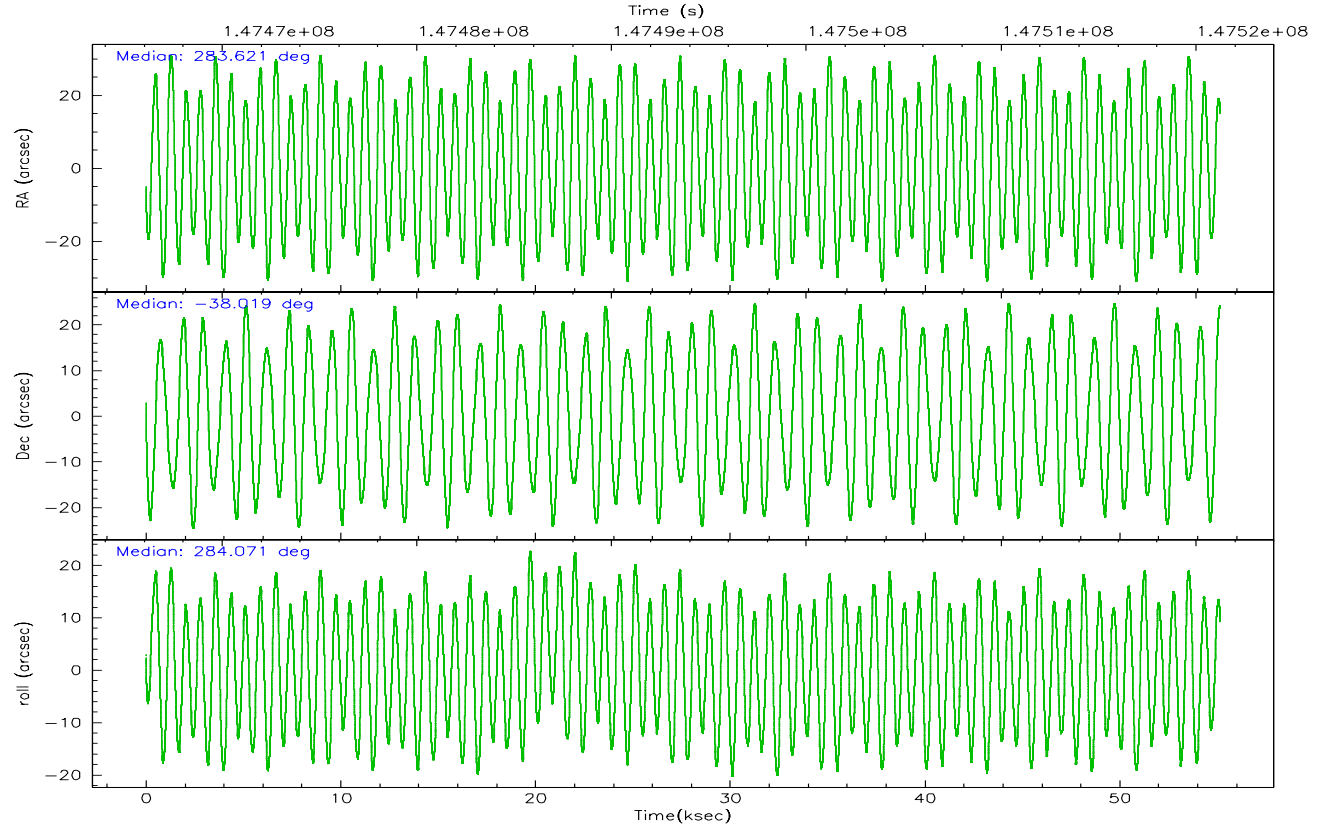
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE
Observation mode	POINTING	POINTING
Pointing RA	283.6215439802792	283.6215439802792
Pointing Dec	-38.01950043952679	-38.01950043952679
Pointing Roll	284.0792702069726	284.0792702069726
SIM focus pos (mm)	-1.038866356238299	-1.038866356238299
SIM defocus (mm)	0.00142623211714632	0.00142623211714632
SIM translation stage pos (mm)	51.996040436	51.996040436
SIM translation stage offset (mm)	74.9894538692878	74.9894538692878
Observation start time	147466091.689276	147466091.689276
Observation start date	2002-09-03T18:49:45	2002-09-03T18:48:11
Observation end time	147521250.016257	147521250.016257
Observation end date	2002-09-04T10:06:25	2002-09-04T10:07:30

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE

## 2.3 Aspect



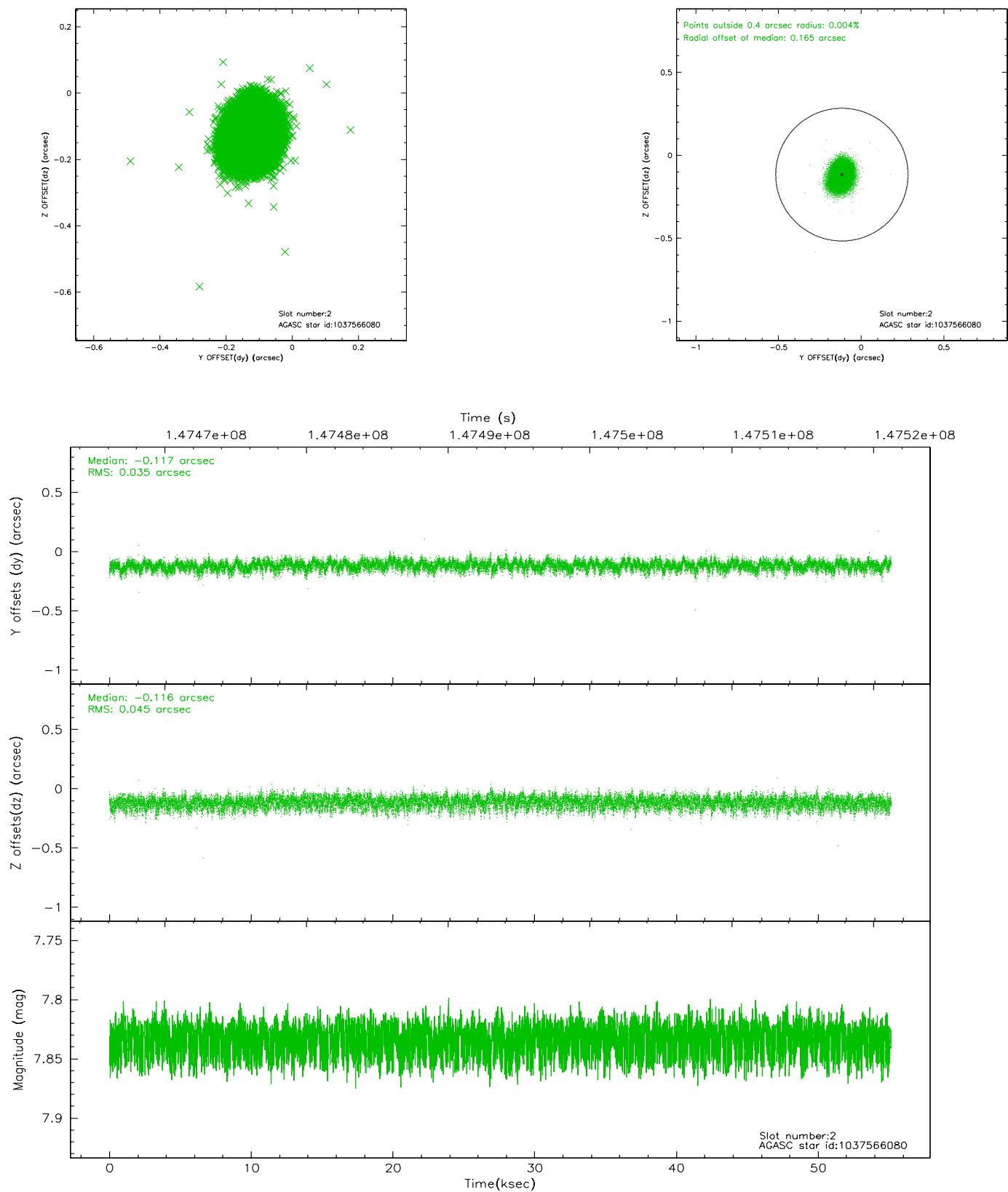


### Slot Statistics

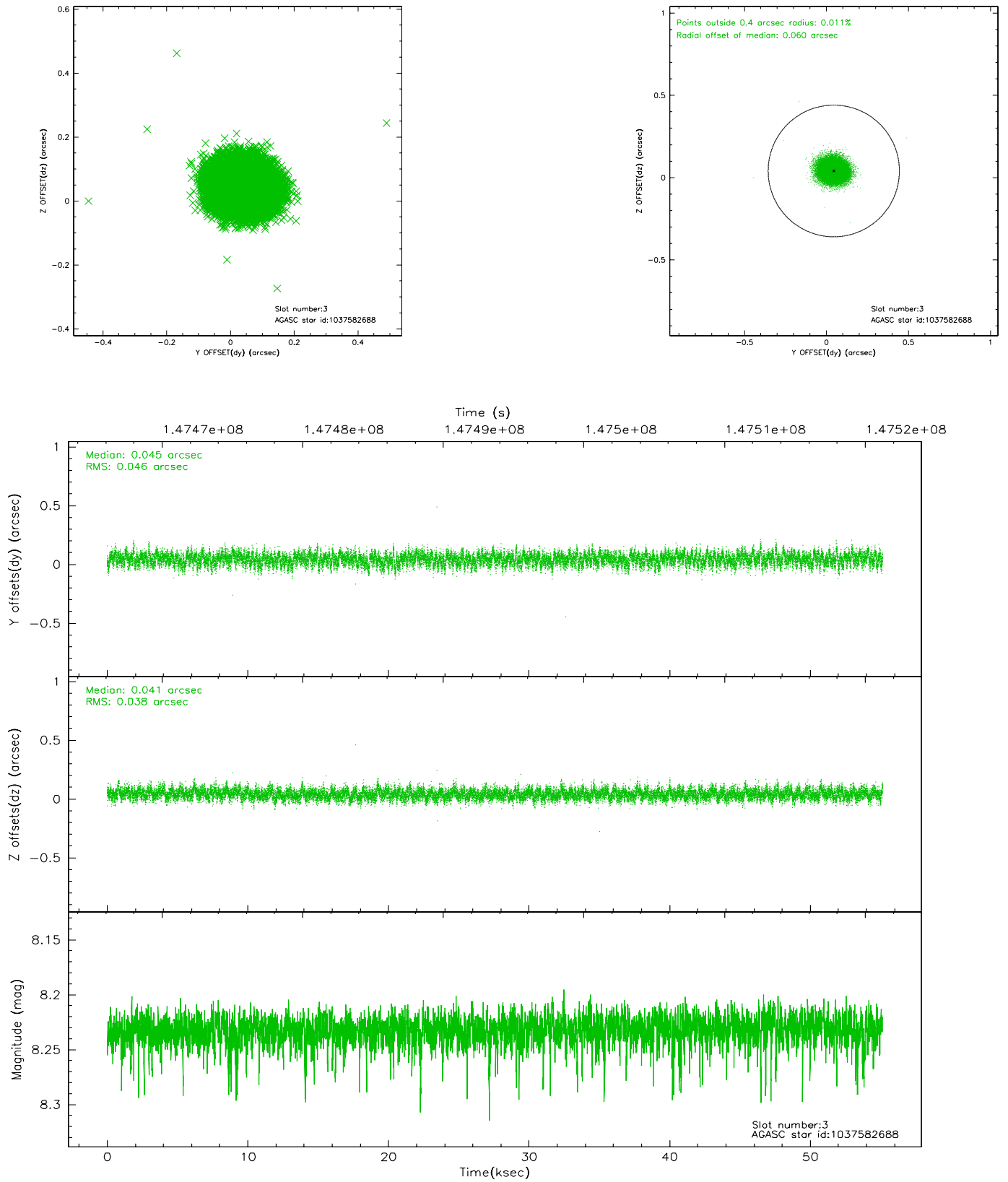
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.80	13450	-0.596	-0.028	0.008	0.016	0.000000	0.000000	-760.96	243.52
1	FID	HRC-I-2	6.94	13452	0.675	-0.026	0.008	0.016	0.000000	0.000000	849.81	244.65
2	GUIDE	1037566080	7.83	26901	-0.117	-0.116	0.060	0.100	283.069097	-37.947159	-548.09	-1407.26
3	GUIDE	1037582688	8.23	26896	0.045	0.041	0.063	0.102	284.131110	-38.409051	1799.31	1100.50
4	GUIDE	1037576824	8.72	26902	0.031	0.065	0.066	0.107	284.177029	-38.323536	1533.78	1303.15
5	GUIDE	1037586456	8.20	26905	-0.047	-0.037	0.070	0.113	283.157248	-38.594063	1772.92	-1722.81
6	GUIDE	1037567328	8.84	26901	-0.058	0.113	0.073	0.120	284.052016	-37.647288	-912.27	1567.93
7	GUIDE	1037579512	9.26	26897	0.150	-0.065	0.098	0.167	283.067162	-38.697485	2073.93	-2057.93

## 2.4 Star Slots

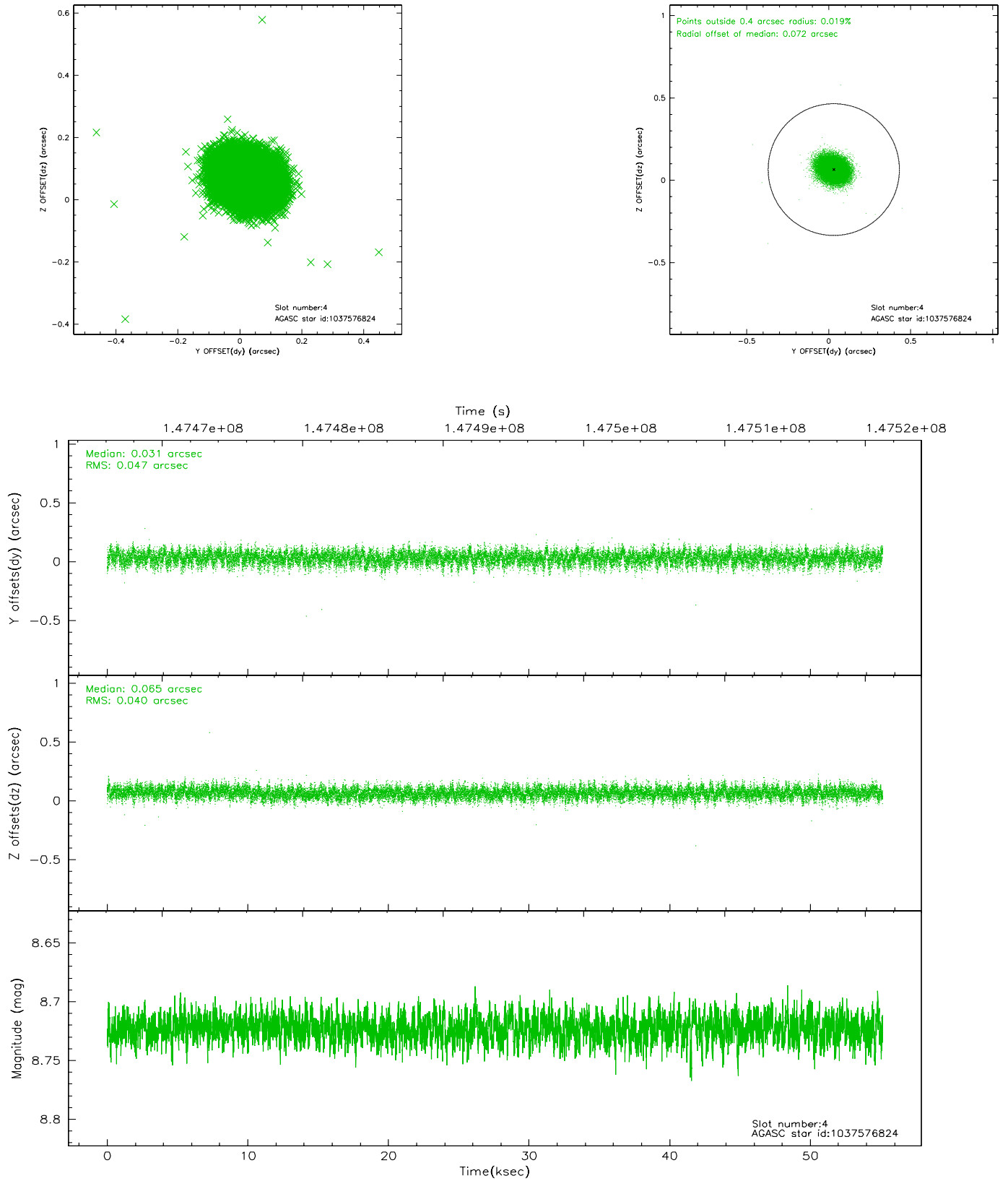
### 2.4.1 Slot 2



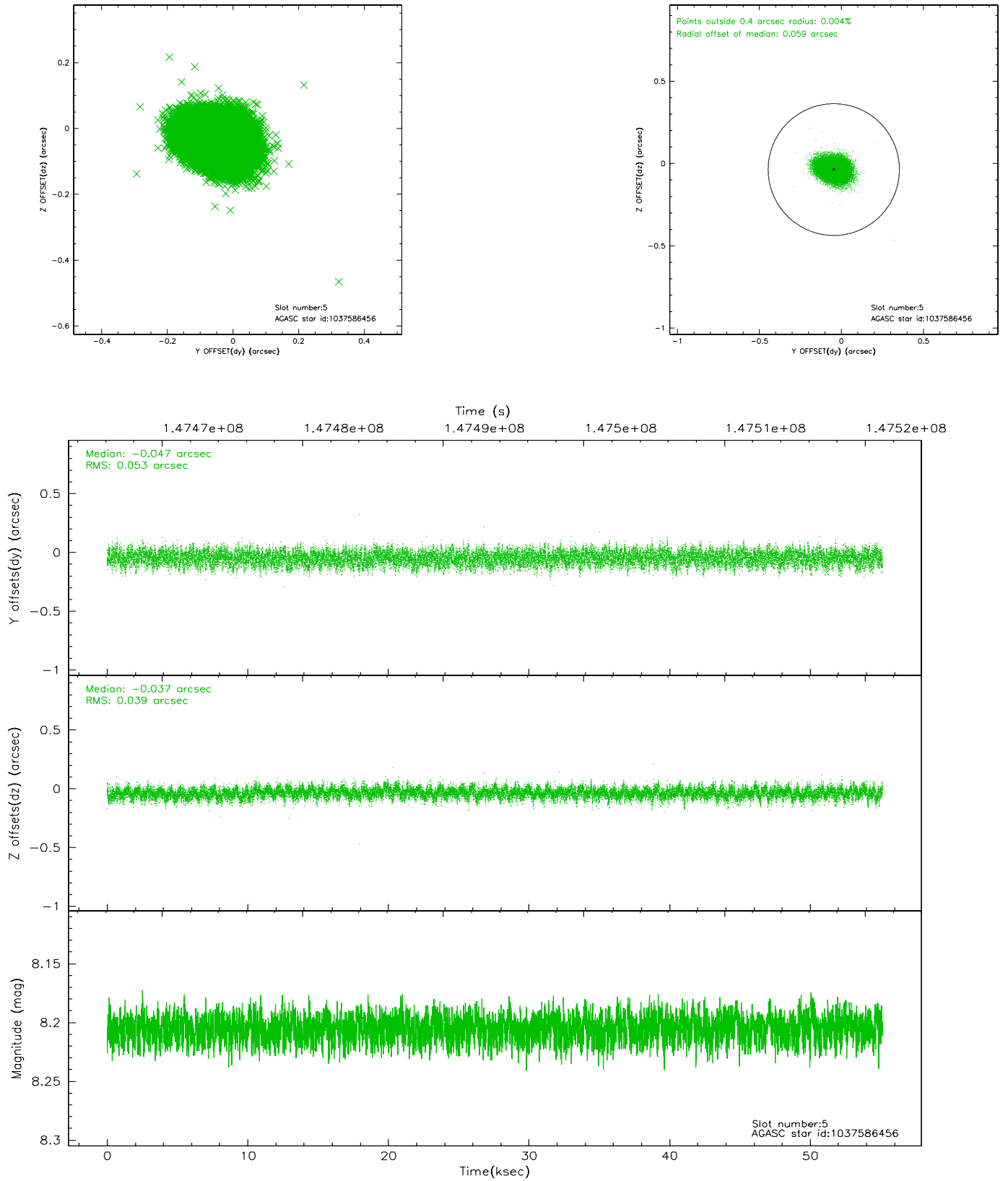
## 2.4.2 Slot 3



### 2.4.3 Slot 4

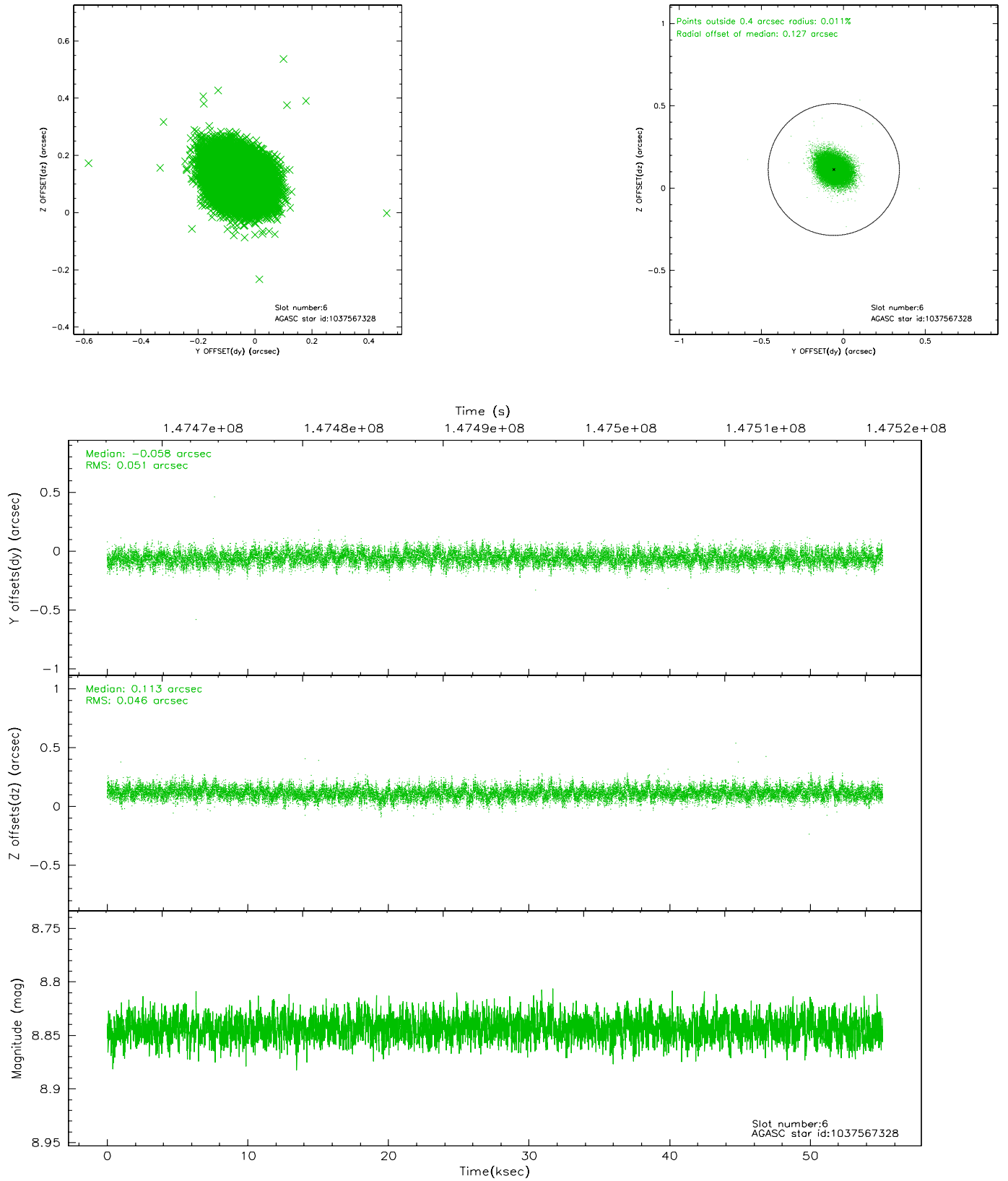


## 2.4.4 Slot 5

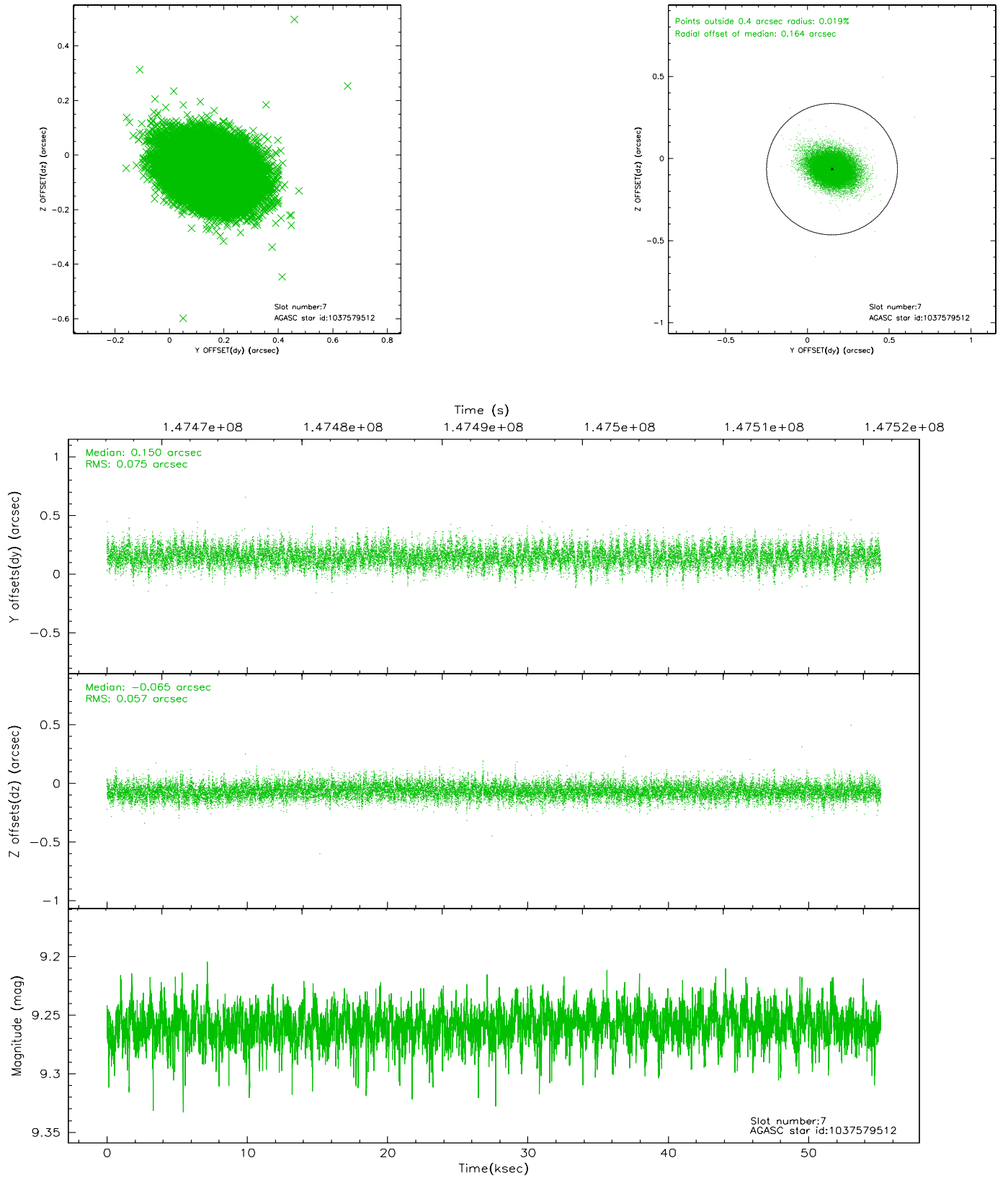




## 2.4.5 Slot 6

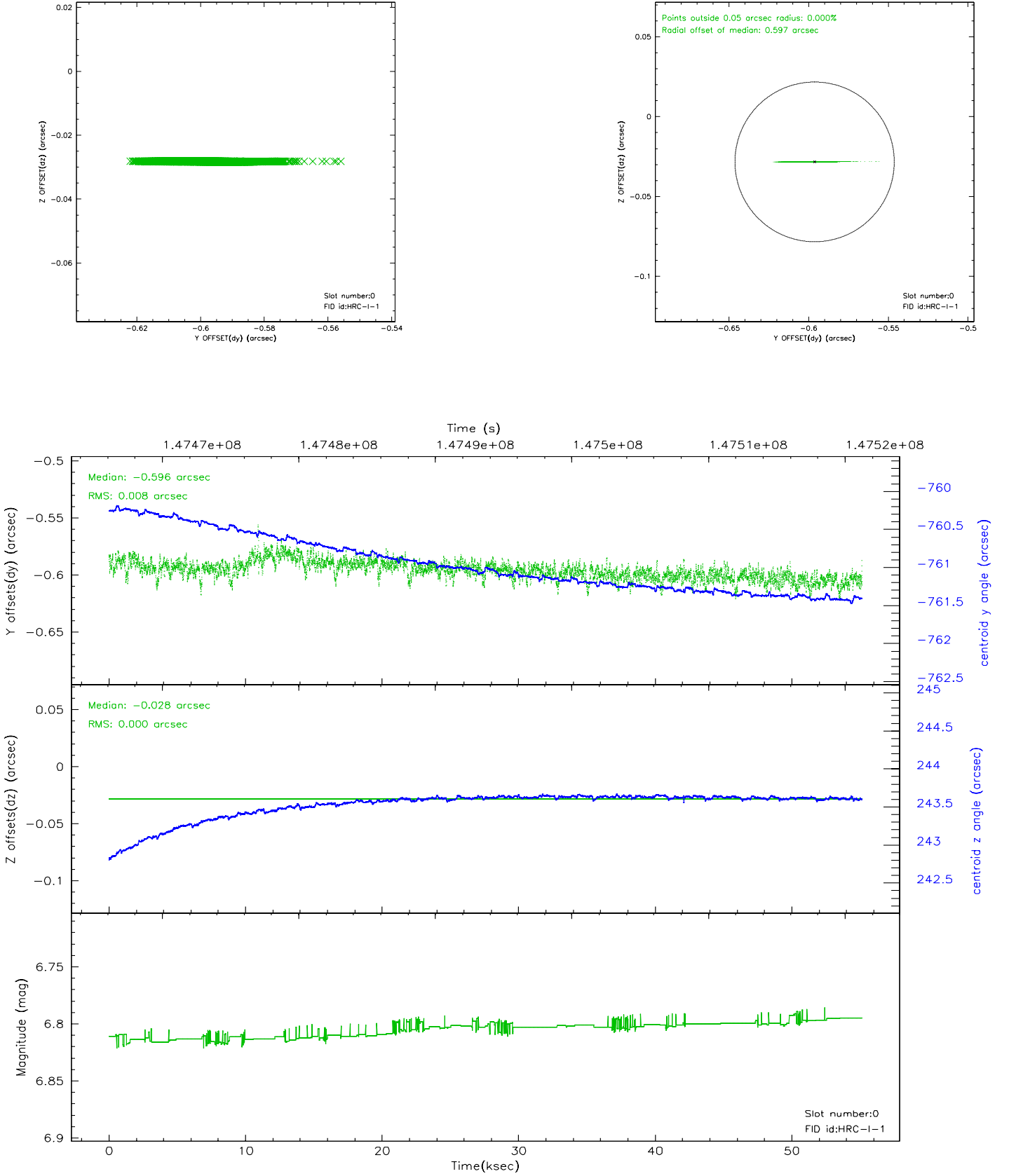


## 2.4.6 Slot 7

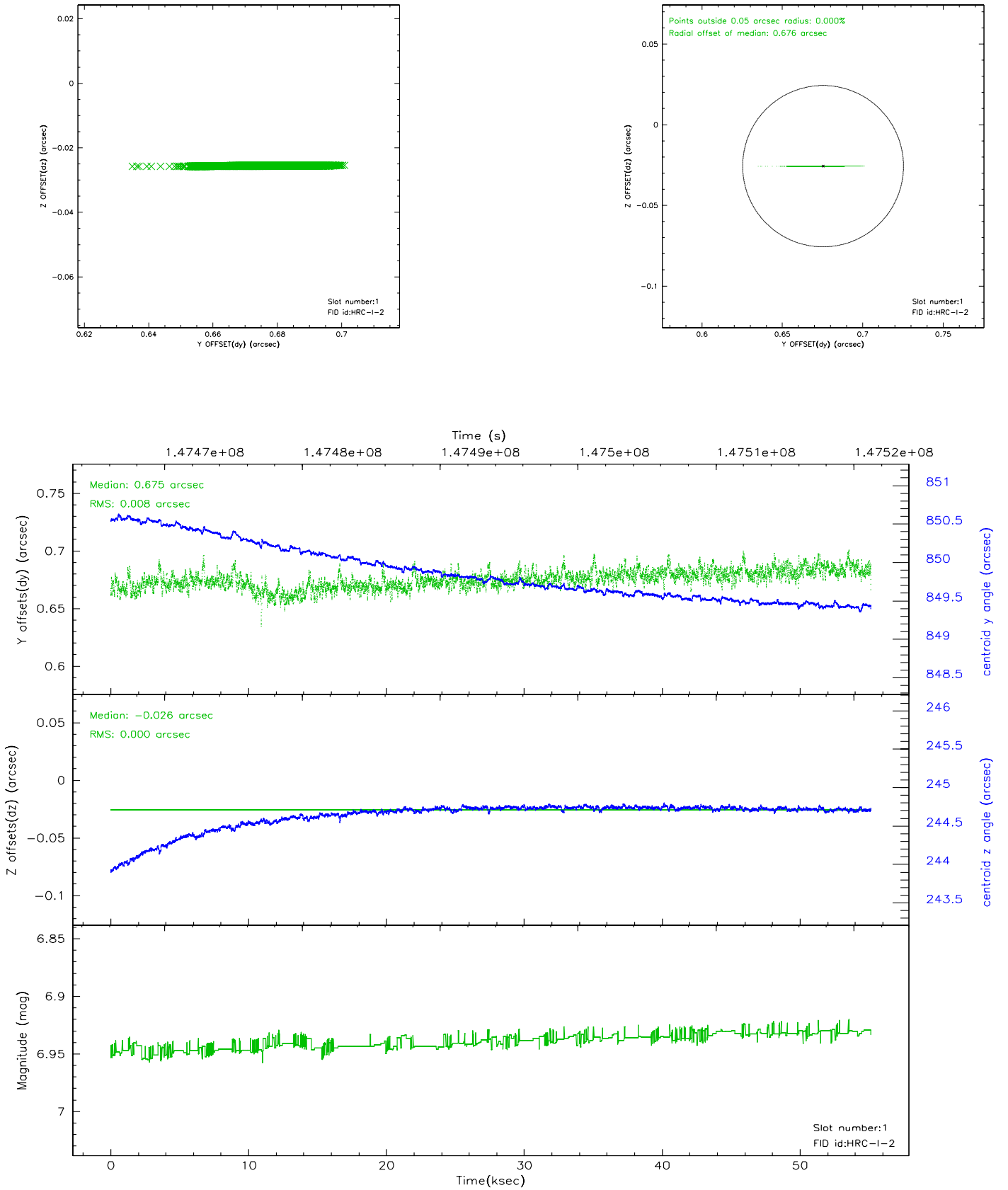


## 2.5 FID Slots

### 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	48.116

## A.2 Comments

Comments for Obi 0

Fid in slot 0 radial offset > 0.400000 arcsec

Fid in slot 1 radial offset > 0.400000 arcsec

These offsets are due to the fact that this is an ACIS observation in the stowed position. Charge time for this ObsId remains at original value of 48.116 ks, although with the current processing the charge time would have been 54.6448 ksec.

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.