

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4295 - L2 Version 3  
Chandra X-Ray Center

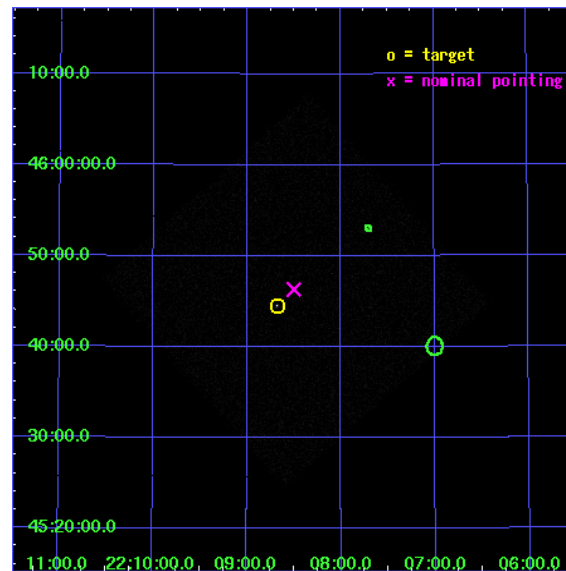
L2 Processing Date : Nov 21 2007

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# 1 Front

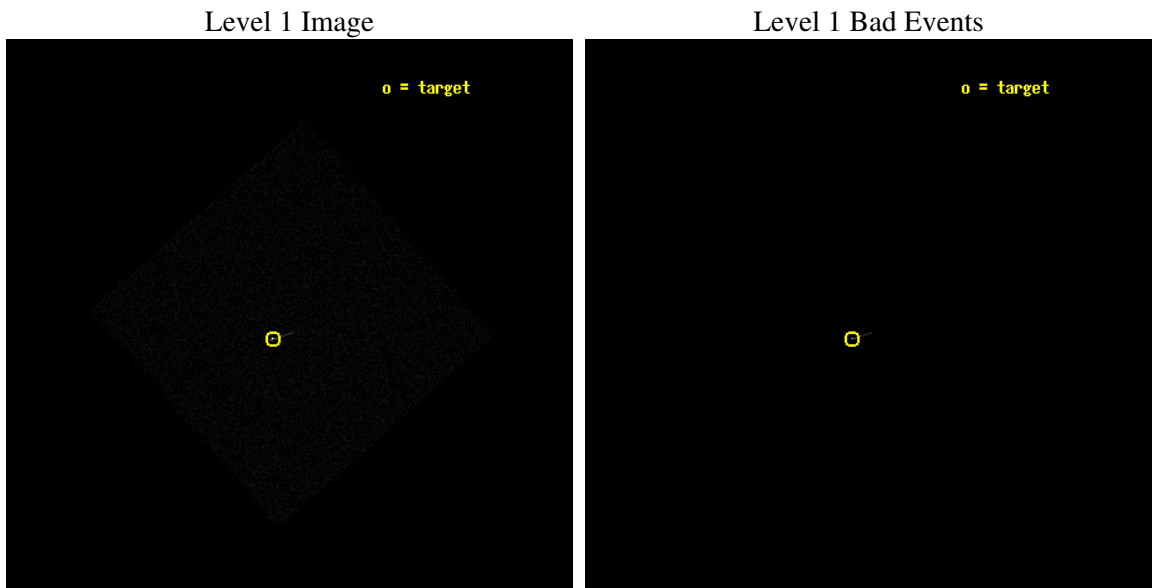
seq_num	290255
obs_id	4295
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.12498654796
dec_nom	45.772025034811
roll_nom	3.7341704199021
revision	3
ontime	1184.1312997937
livetime	1177.6563629963
l2events	36586



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-22T02:25:43
revision	3

sched_exp_time	1000.000000
ontime	1184.1312997937
l1events	67397

### 2.1.3 Events

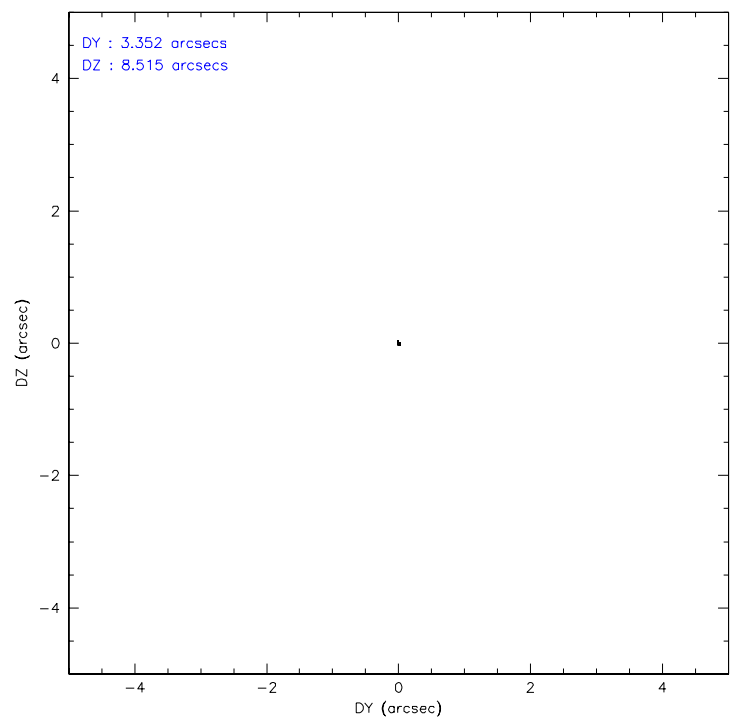
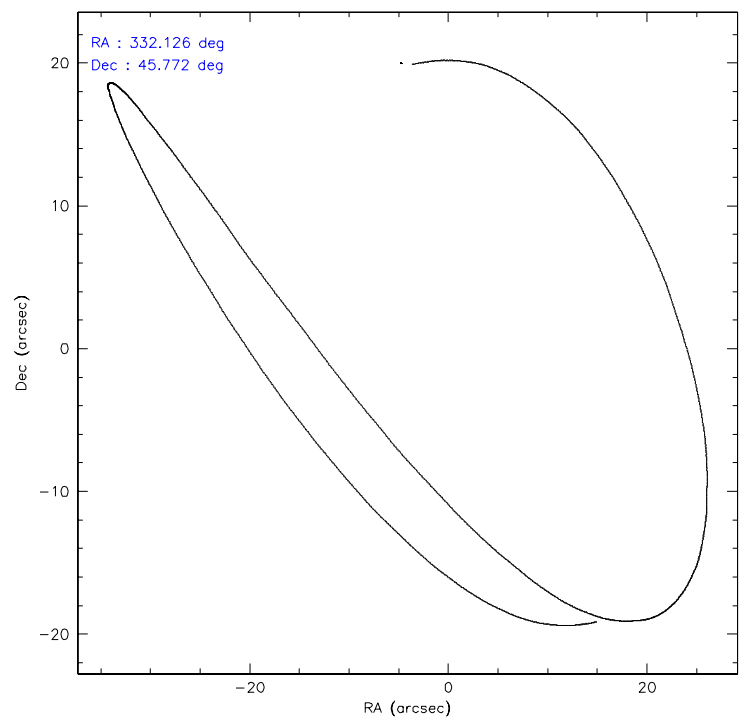
#### Level 1 Events

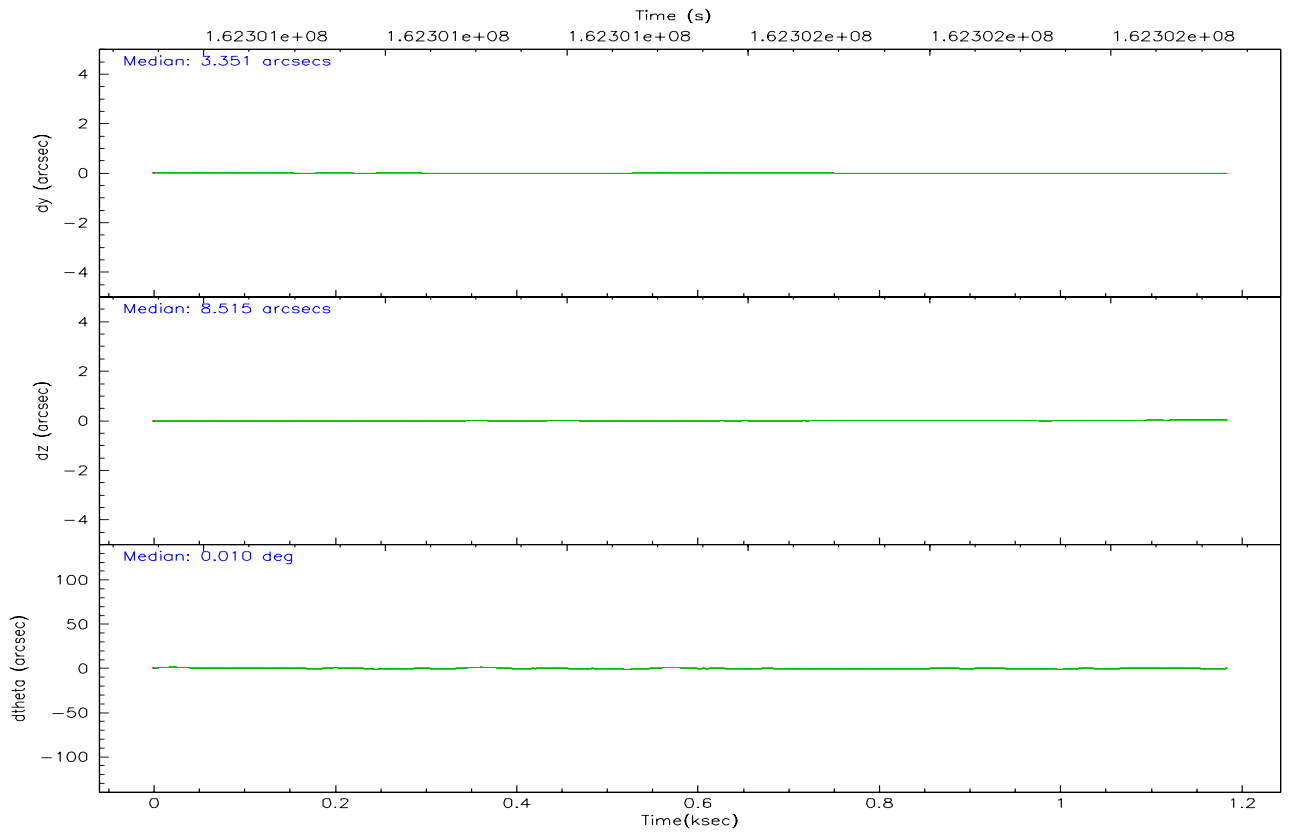
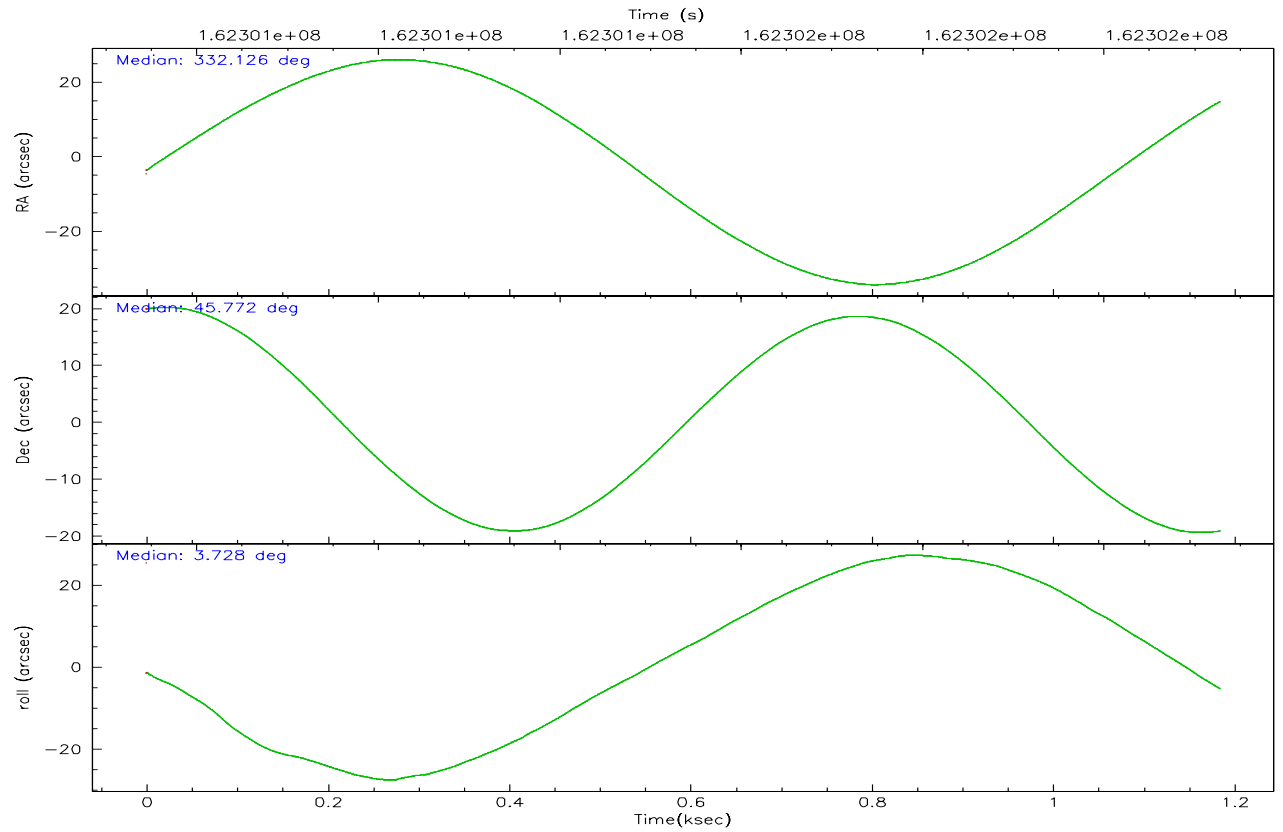
	<b>segment 0</b>
level 1 events	67397
rejected events	15255
rejected %	22%

## 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	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.093007	332.1249865479575			
Pointing Dec	45.756417	45.77202503481143			
Pointing Roll	3.852661	3.734170419902144			
Window start time	161654464.184000	161654464.184000			
Window stop time	165369664.184000	165369664.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	162301128.184000	162300751.76986			
Observation start date	2003-02-22T11:37:44	2003-02-22T11:32:31			
Observation end time	162302128.184000	162302261.59492			
Observation end date	2003-02-22T11:54:24	2003-02-22T11:57:41			

## 2.3 Aspect





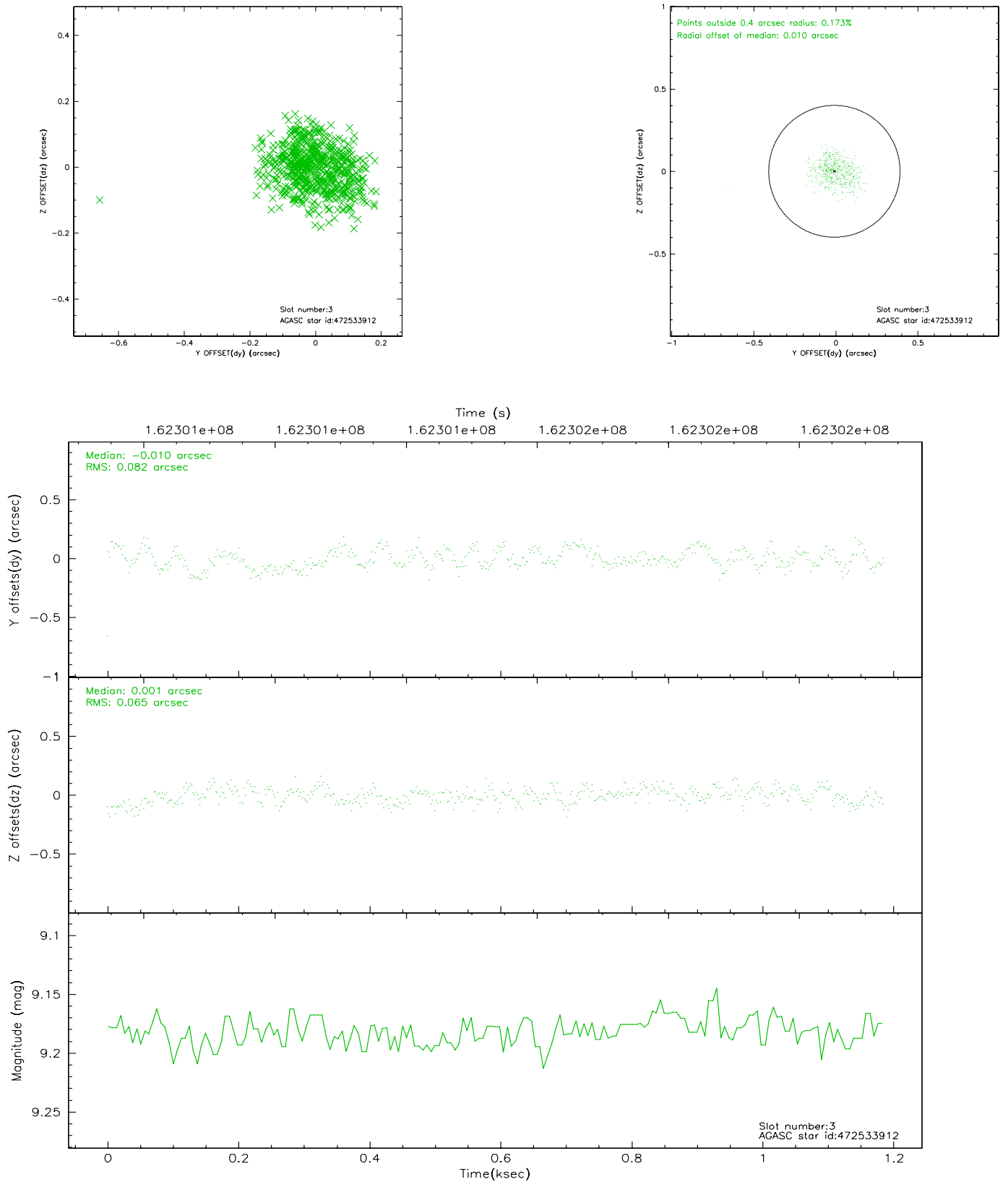
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	290	0.069	0.060	0.006	0.009	0.000000	0.000000	-758.79	-1296.38
1	FID	HRC-I-3	7.06	290	-0.007	-0.074	0.006	0.010	0.000000	0.000000	-1189.92	1003.59
2	FID	HRC-I-4	7.01	290	0.051	-0.076	0.005	0.007	0.000000	0.000000	1279.93	1009.07
3	GUIDE	472533912	9.18	579	-0.010	0.001	0.112	0.169	331.791136	46.368695	-600.65	2251.00
4	GUIDE	472659832	9.46	576	0.001	0.101	0.098	0.156	332.780399	46.098139	1793.79	1123.75
5	GUIDE	472527720	6.99	579	-0.082	-0.045	0.066	0.111	331.460205	45.112509	-1756.58	-2196.80
6	GUIDE	472523760	8.24	579	-0.100	-0.060	0.060	0.096	331.645363	45.403260	-1217.55	-1193.30
7	GUIDE	472655152	9.44	578	0.191	0.028	0.098	0.173	332.504239	45.862991	1052.26	314.24

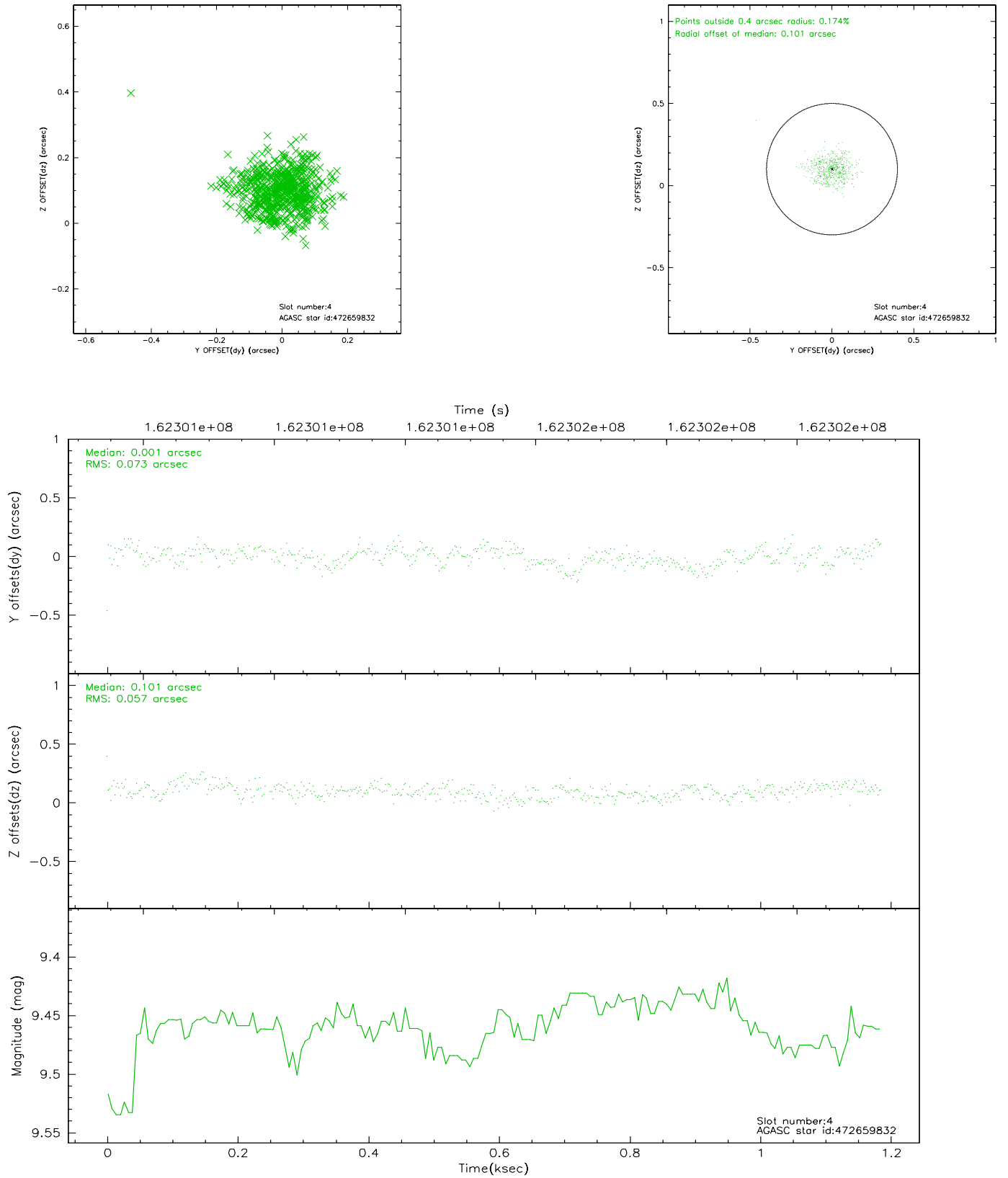


## 2.4 Star Slots

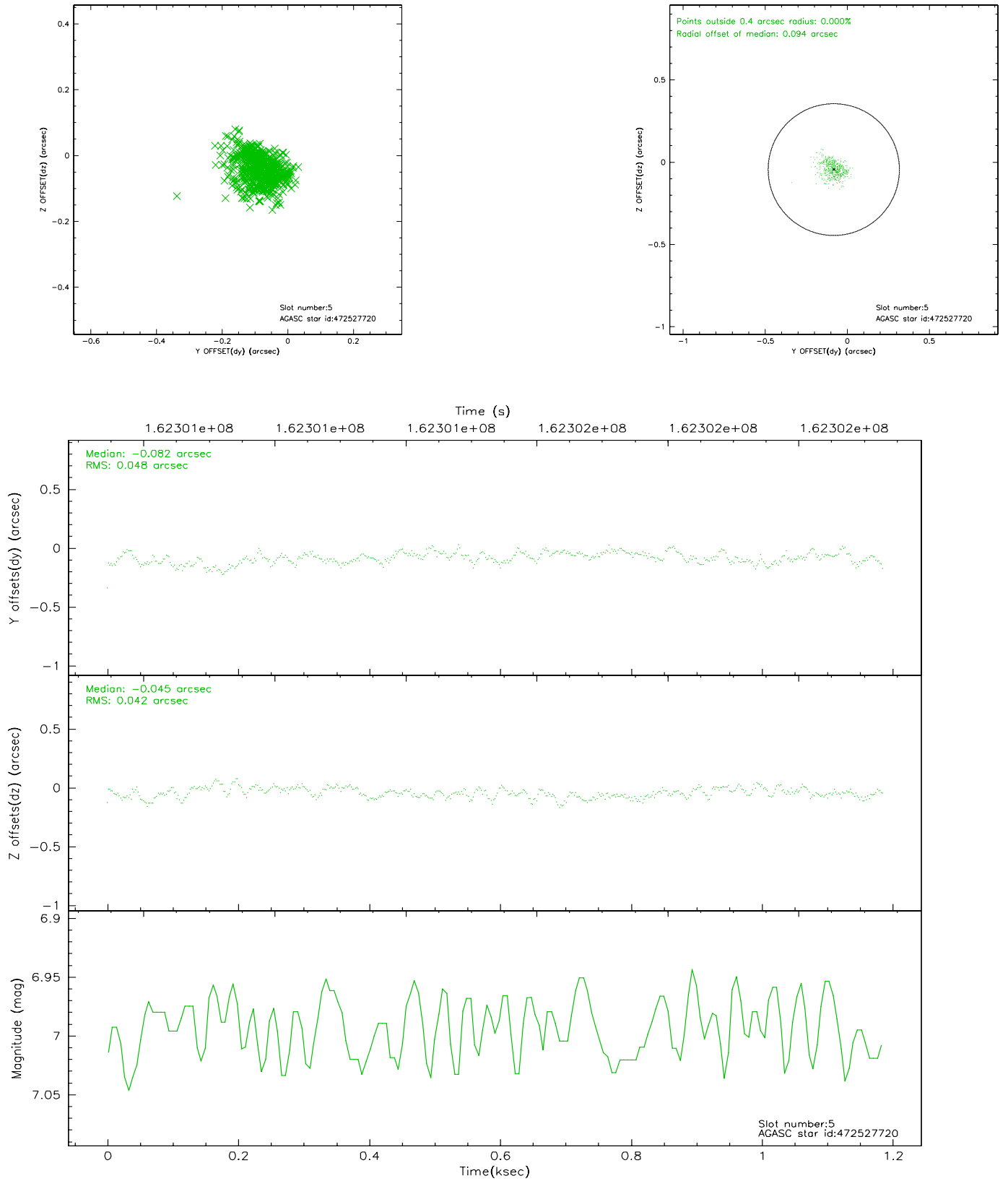
### 2.4.1 Slot 3



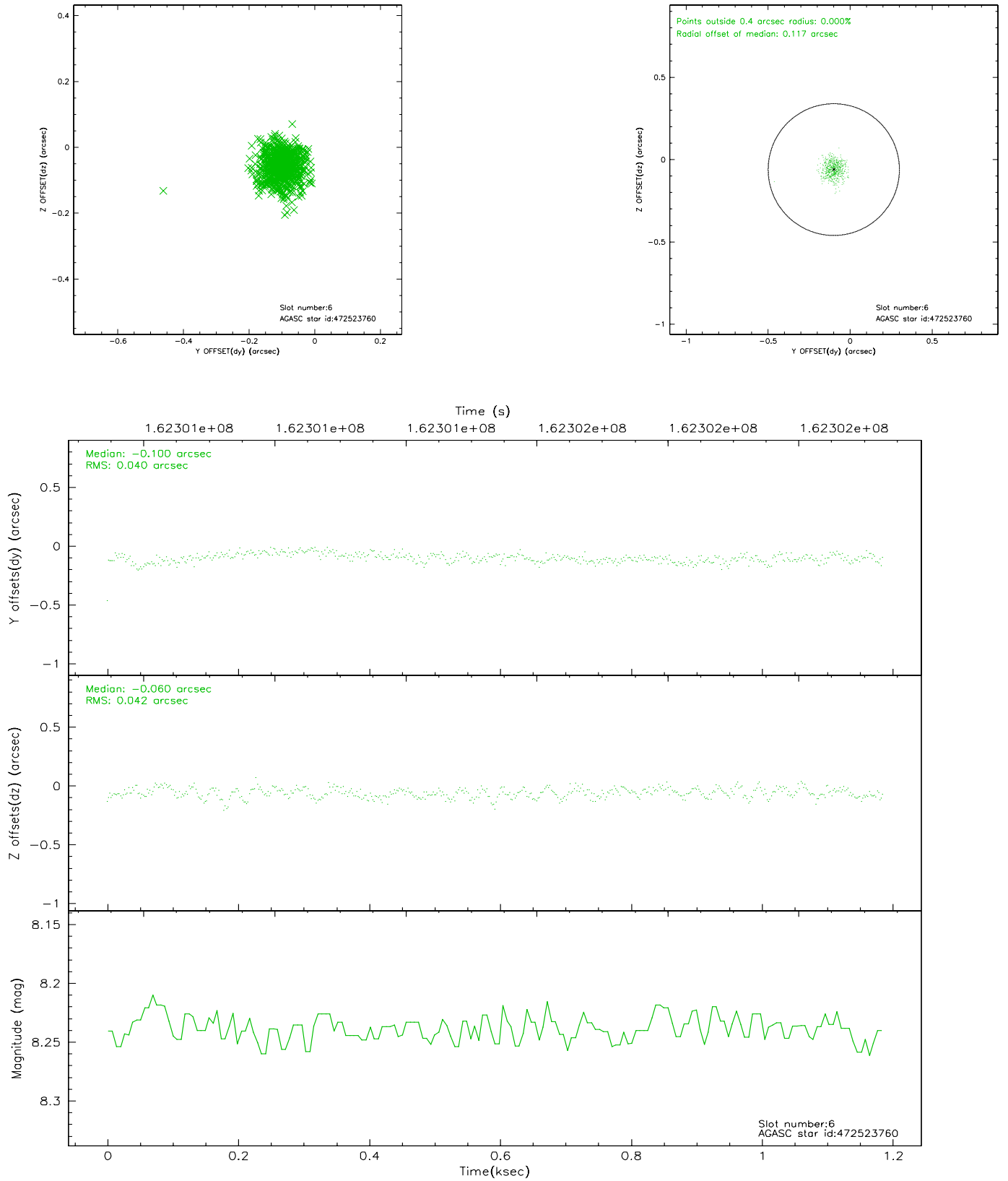
## 2.4.2 Slot 4



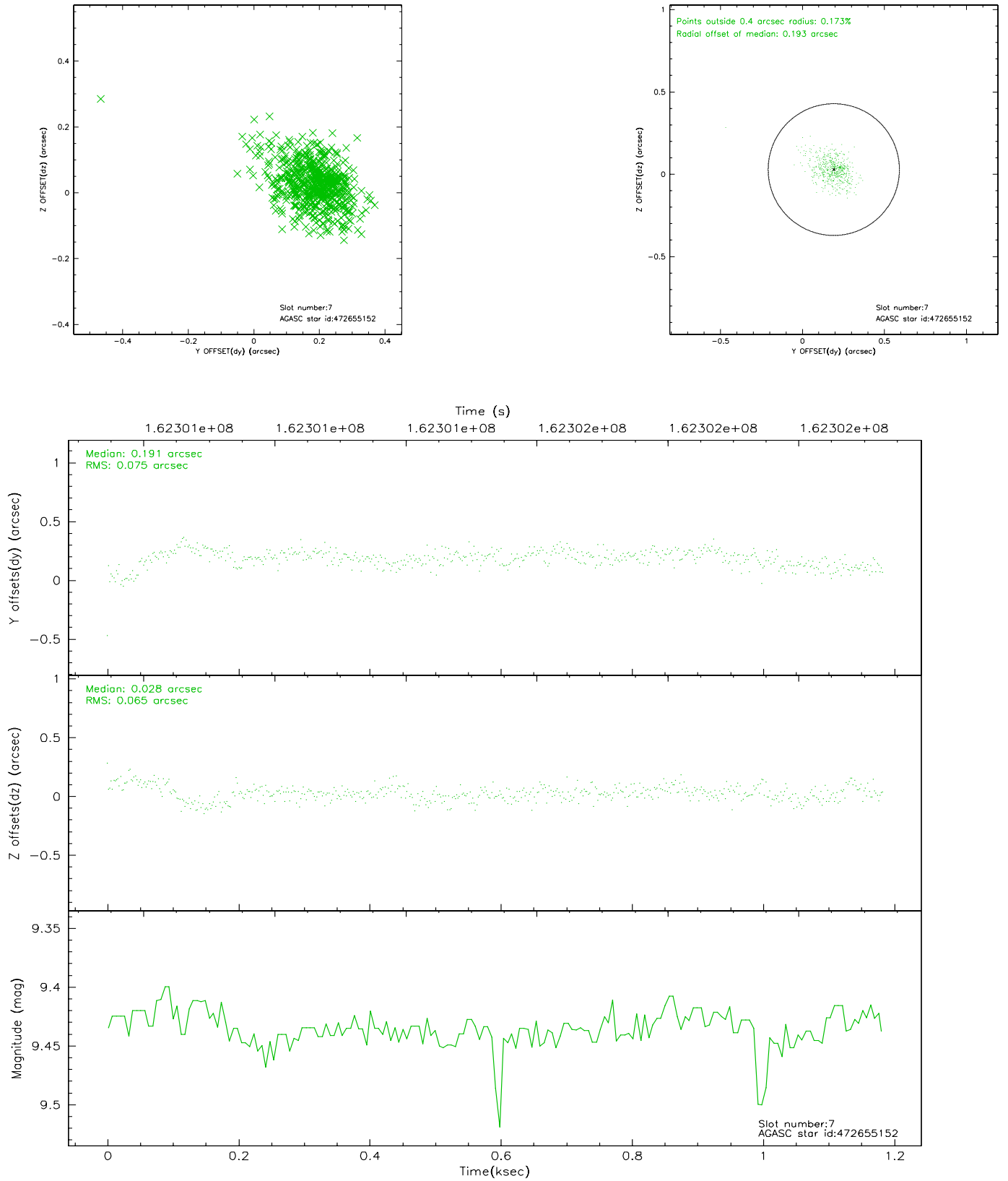
### 2.4.3 Slot 5



## 2.4.4 Slot 6

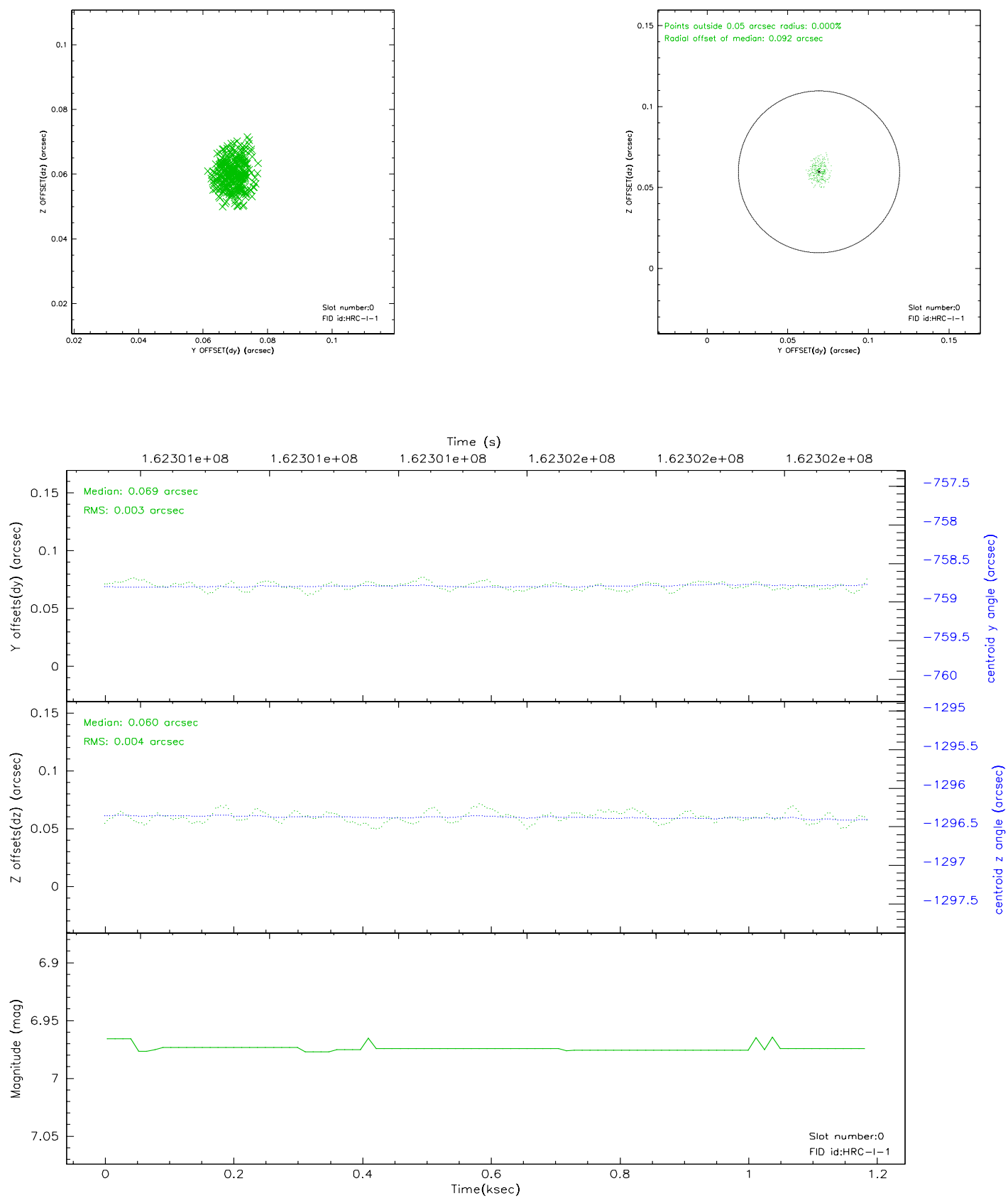


## 2.4.5 Slot 7

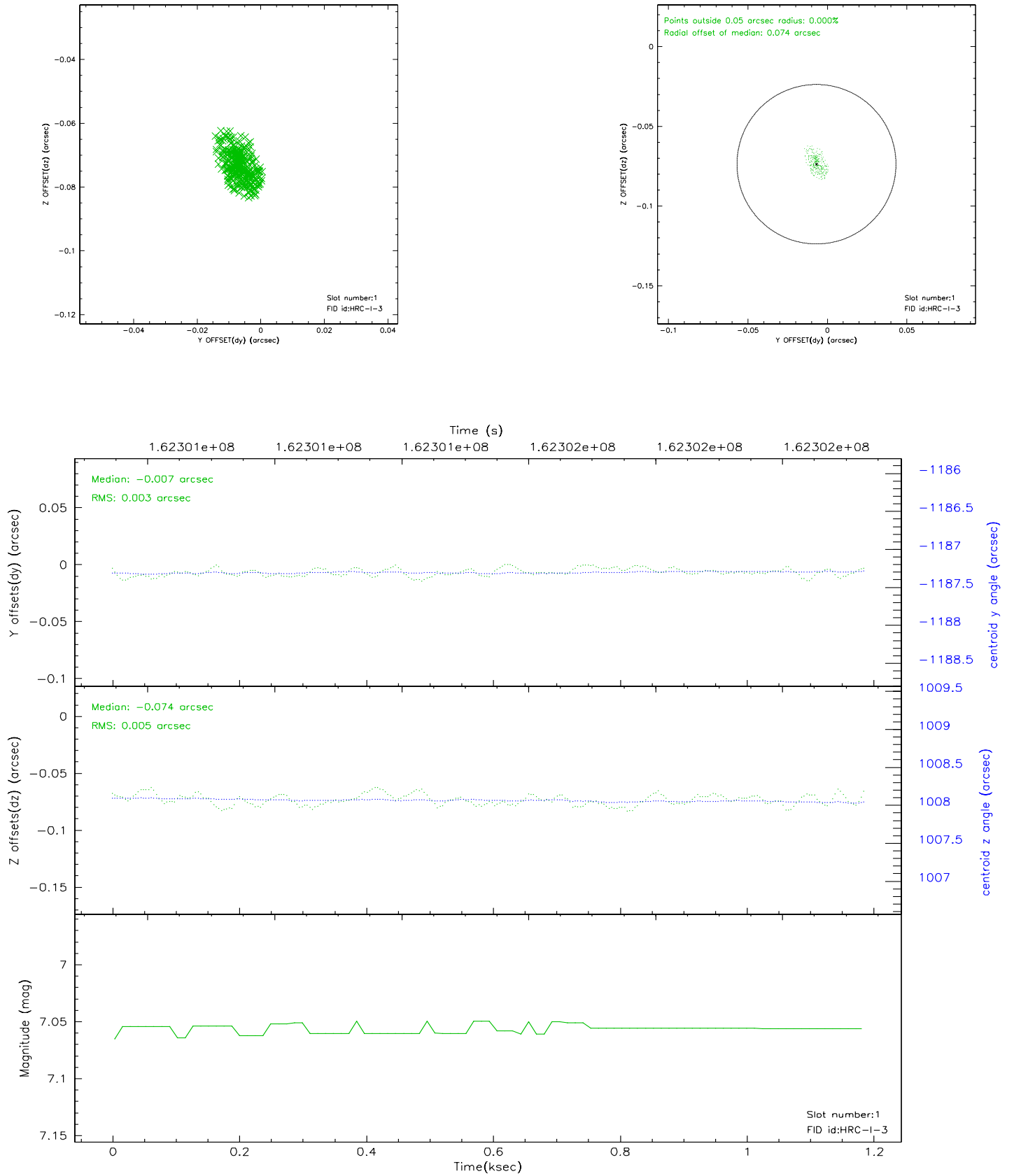


## 2.5 FID Slots

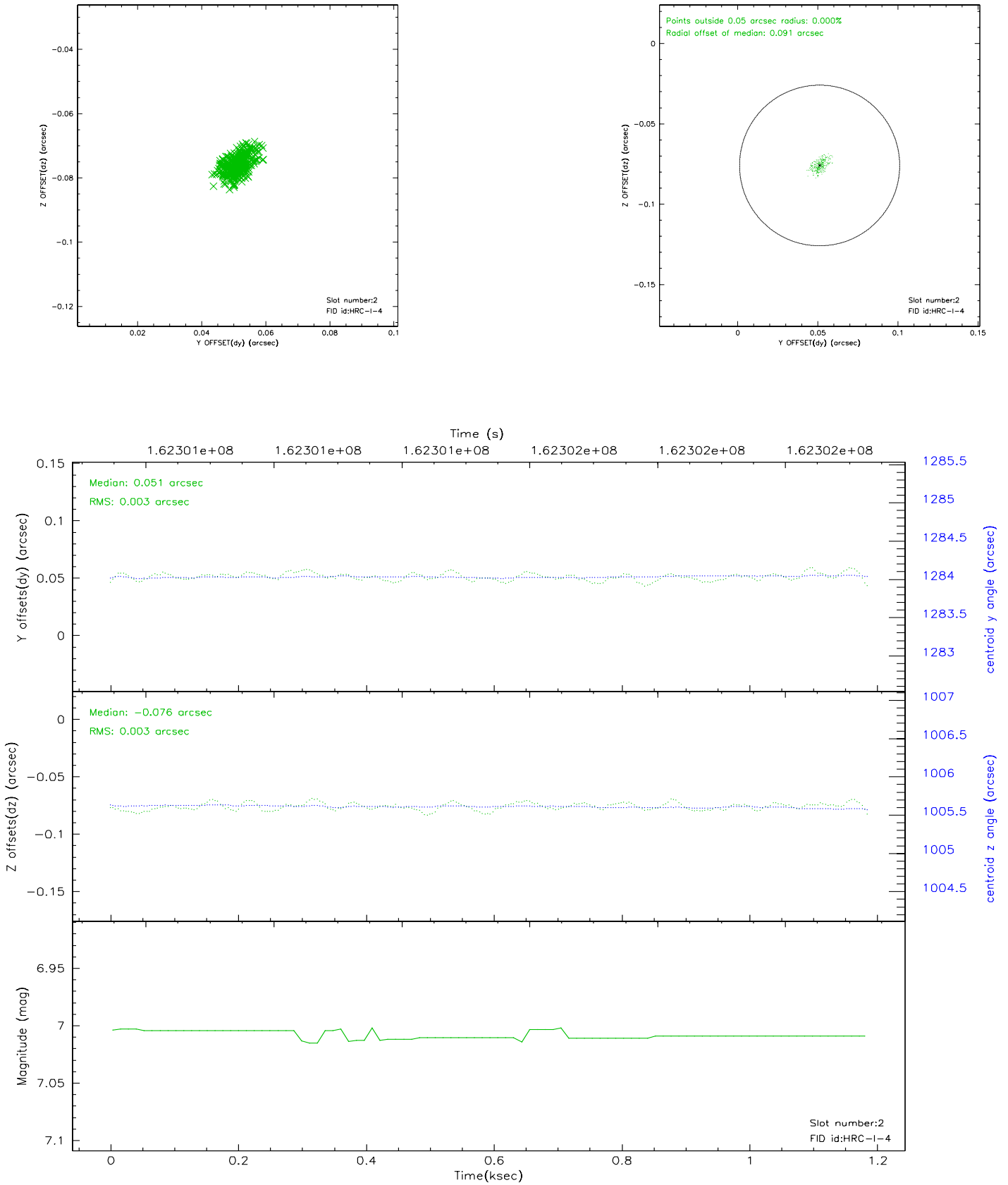
### 2.5.1 Slot 0



## 2.5.2 Slot 1

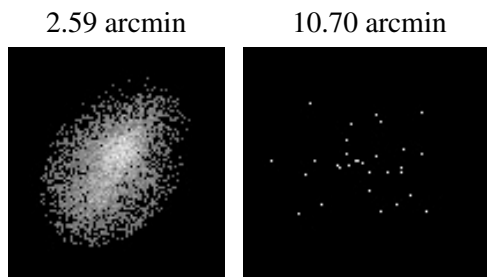


## 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

## A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.