

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2615 - L2 Version 3  
Chandra X-Ray Center

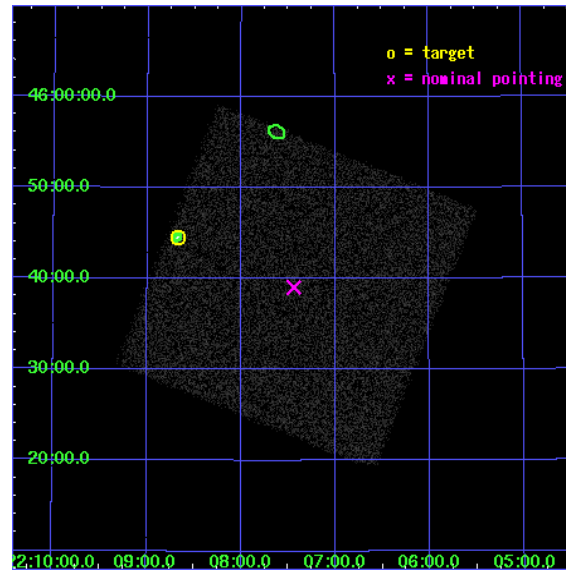
L2 Processing Date : Nov 21 2007

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# 1 Front

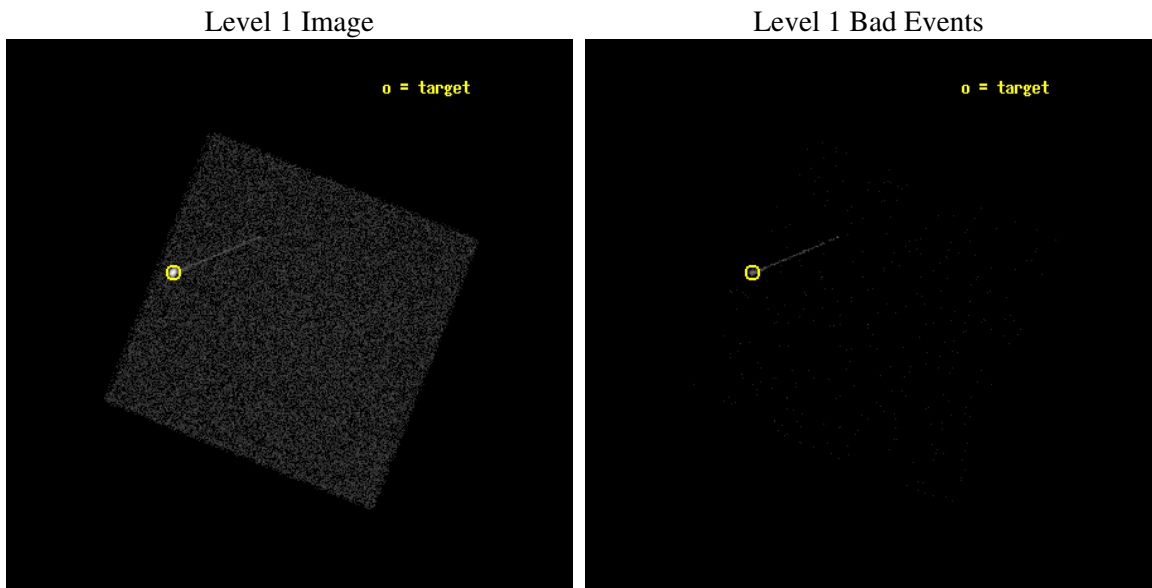
seq_num	290171
obs_id	2615
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.85976624349
dec_nom	45.650846330617
roll_nom	336.83766140483
revision	3
ontime	1192.3312980235
livedtime	1185.8131993733
l2events	35839



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T17:37:30
revision	3

sched_exp_time	1000.000000
ontime	1192.3312980235
l1events	66024

### 2.1.3 Events

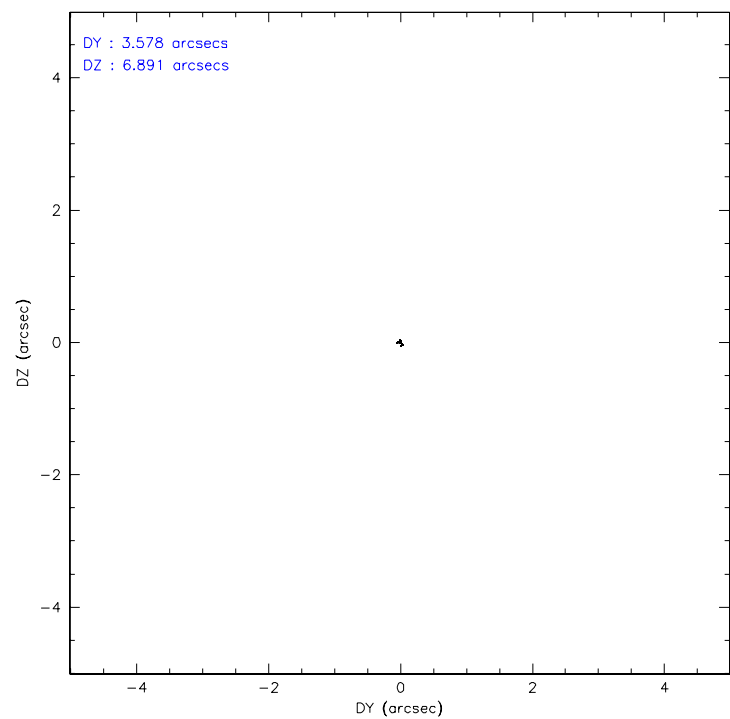
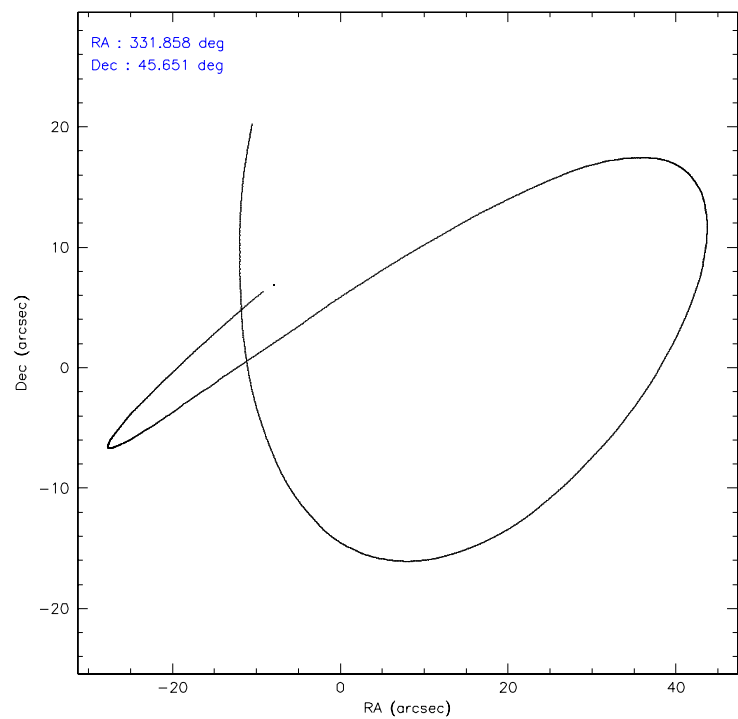
#### Level 1 Events

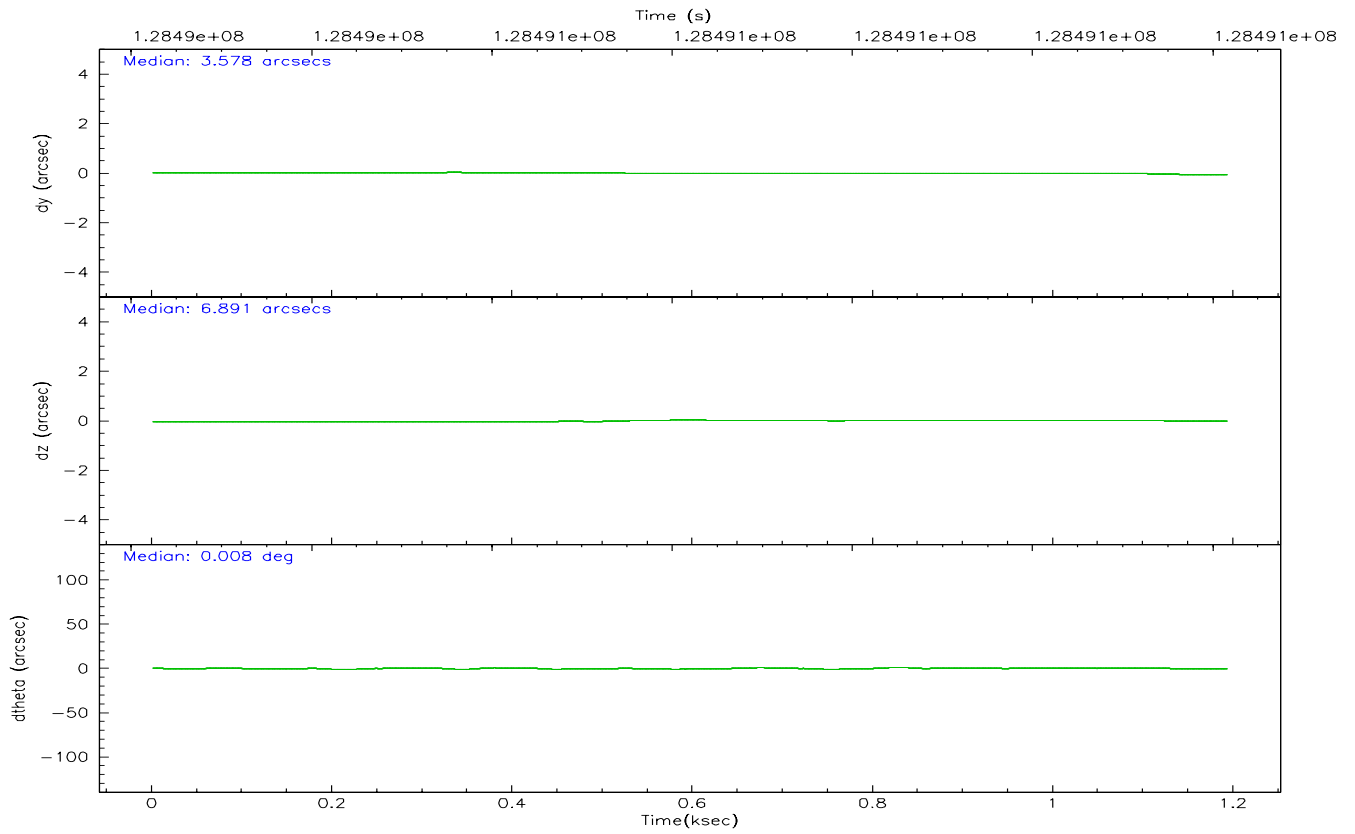
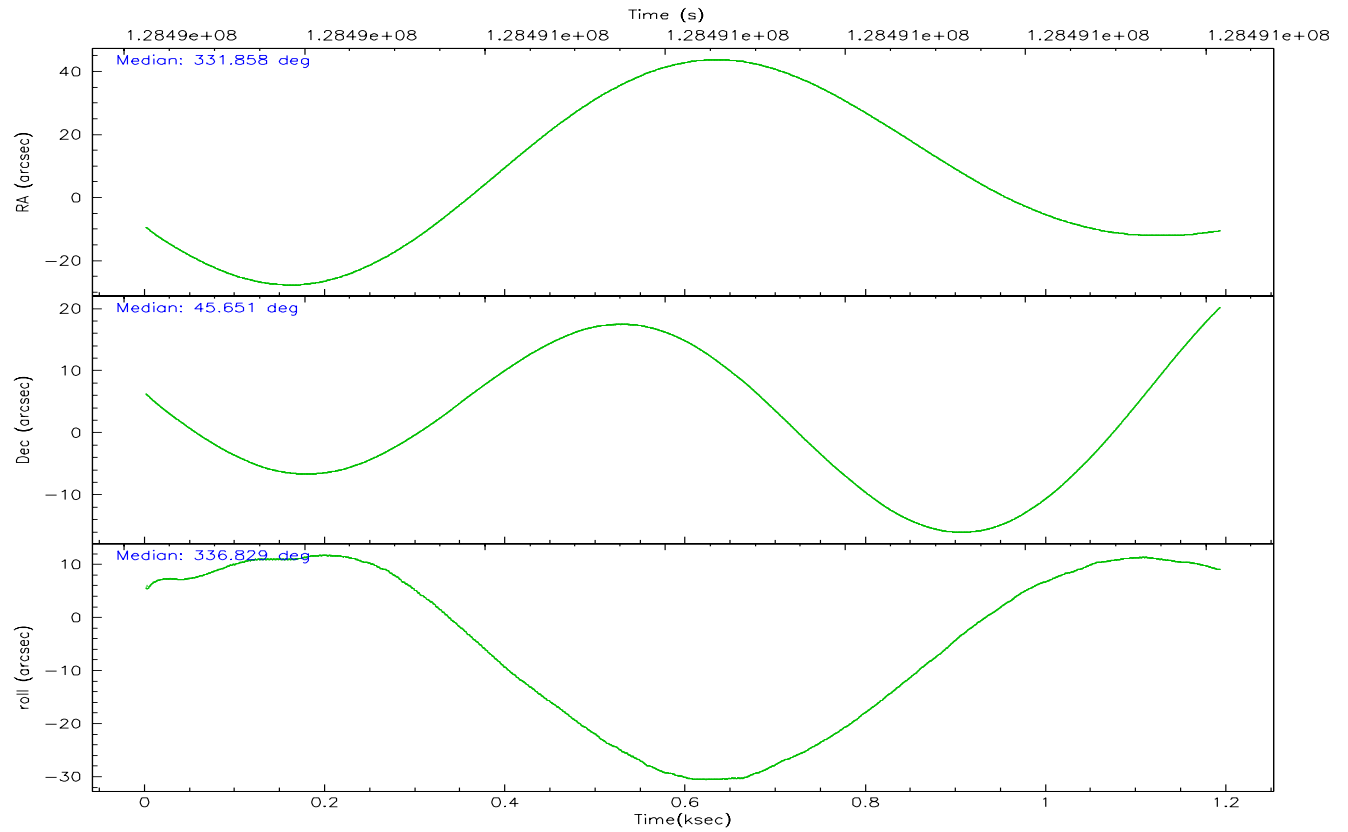
	<b>segment 0</b>
level 1 events	66024
rejected events	14033
rejected %	21%

## 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	331.822493	331.8597662434935			
Pointing Dec	45.647840	45.65084633061742			
Pointing Roll	336.959831	336.8376614048304			
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	128490419.184000	128490043.49025			
Observation start date	2002-01-27T03:45:55	2002-01-27T03:40:43			
Observation end time	128491419.184000	128491553.31531			
Observation end date	2002-01-27T04:02:35	2002-01-27T04:05:53			

2.3 Aspect





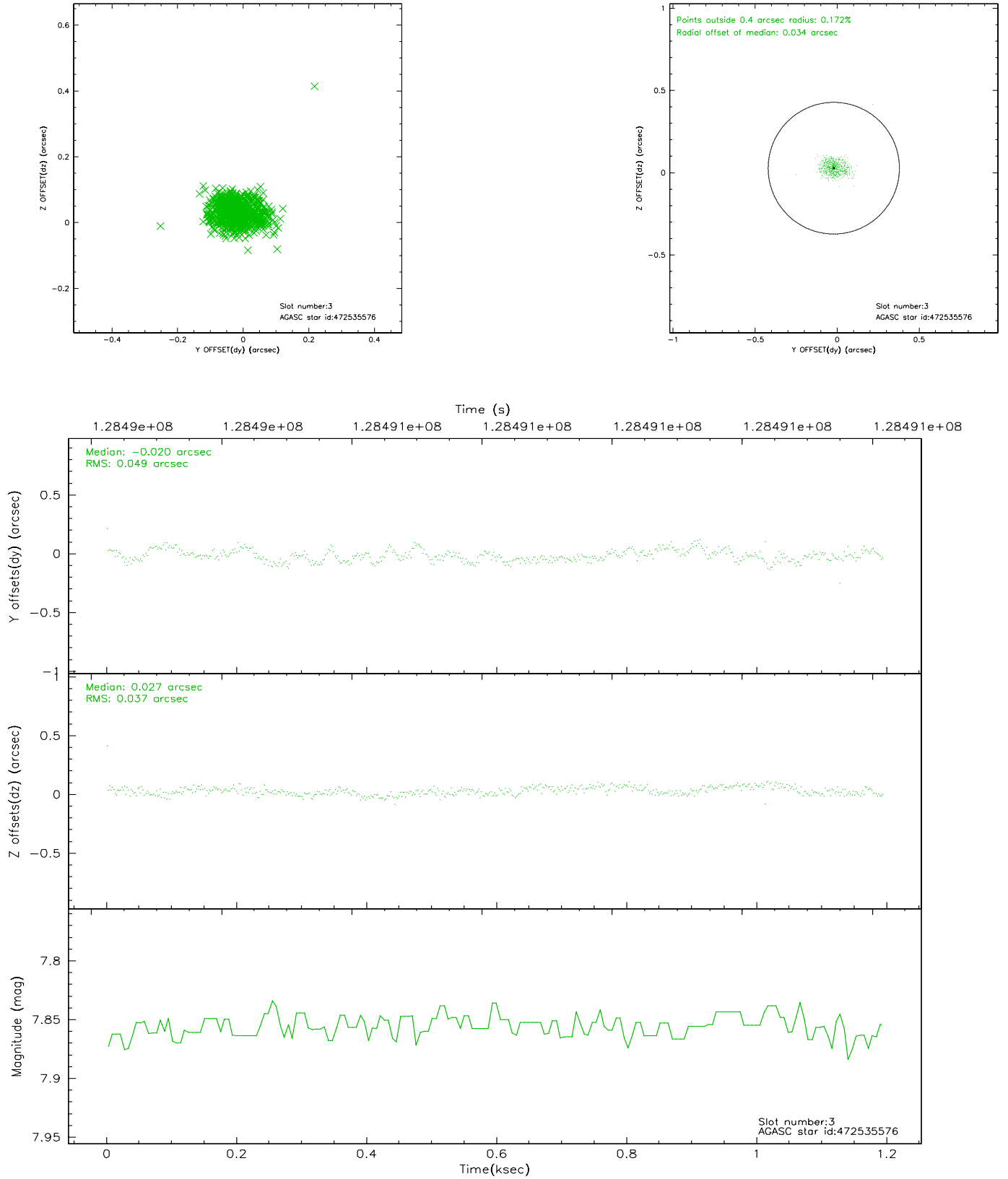
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	291	0.027	0.031	0.006	0.010	0.000000	0.000000	-759.03	-1294.75
1	FID	HRC-I-2	7.00	291	0.076	-0.071	0.005	0.008	0.000000	0.000000	851.05	-1300.85
2	FID	HRC-I-3	7.04	291	0.016	-0.050	0.005	0.010	0.000000	0.000000	-1184.63	1005.25
3	GUIDE	472535576	7.86	583	-0.020	0.027	0.063	0.098	331.438373	46.291802	-1786.42	1764.63
4	GUIDE	472536328	8.14	583	-0.028	-0.006	0.070	0.112	331.496671	46.454831	-1883.42	2364.82
5	GUIDE	472527656	9.14	583	-0.071	0.027	0.108	0.171	331.004689	45.273362	-1384.58	-2034.53
6	GUIDE	420754040	9.08	583	0.036	-0.021	0.118	0.183	331.917939	44.882543	1302.06	-2439.65
7	GUIDE	472654568	9.44	580	0.083	-0.043	0.104	0.170	332.194449	45.063576	1696.71	-1564.02

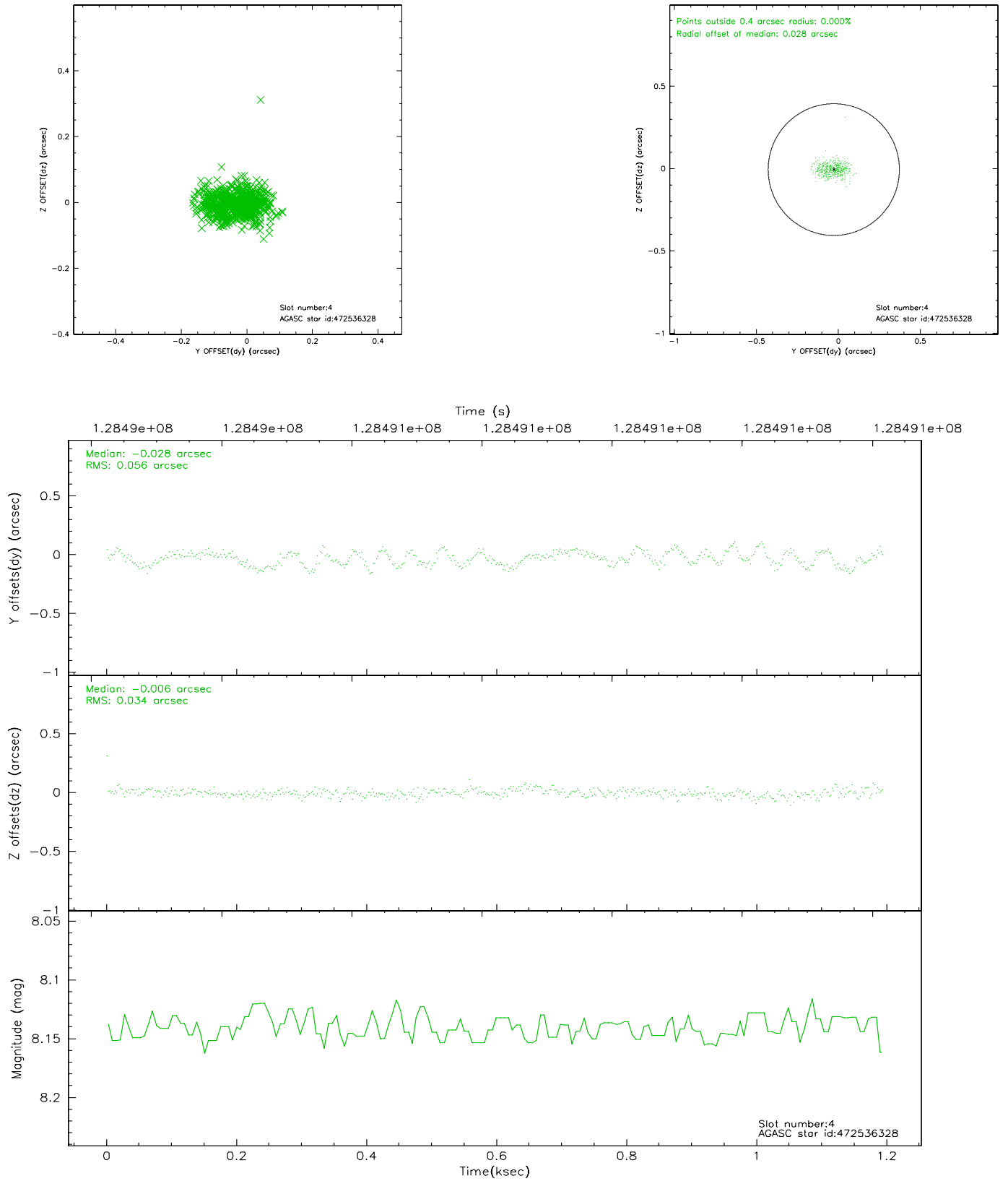


## 2.4 Star Slots

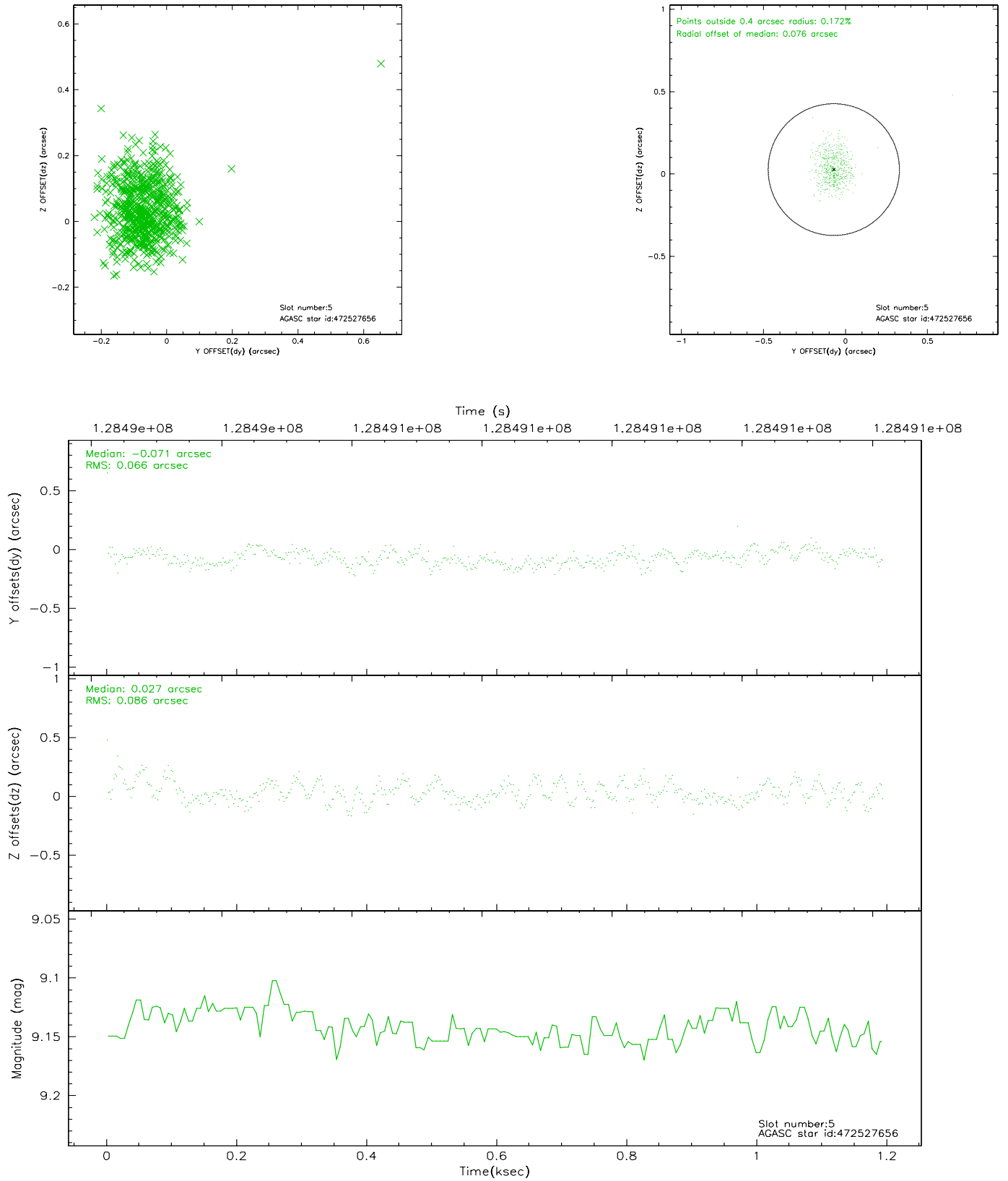
### 2.4.1 Slot 3



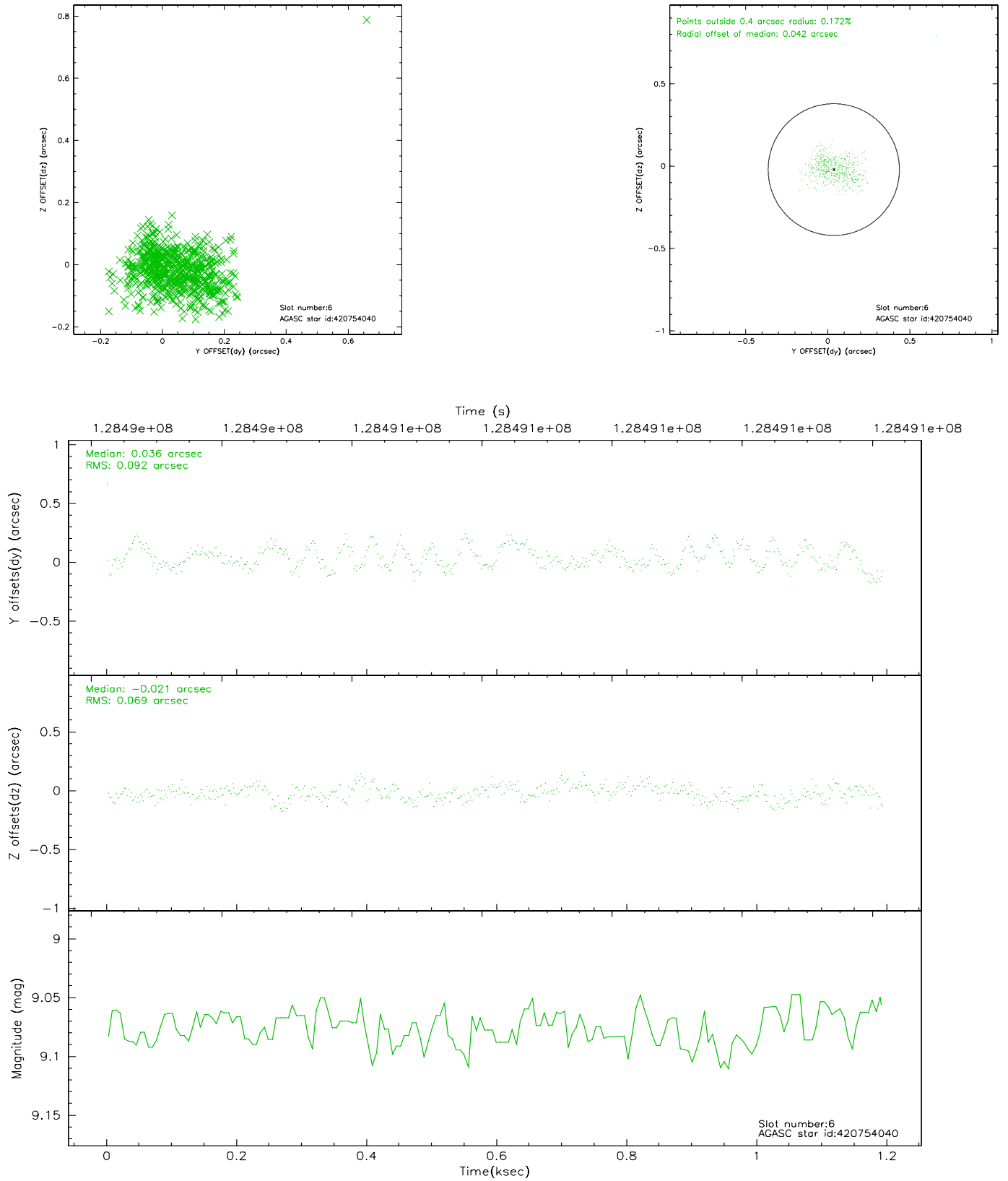
## 2.4.2 Slot 4



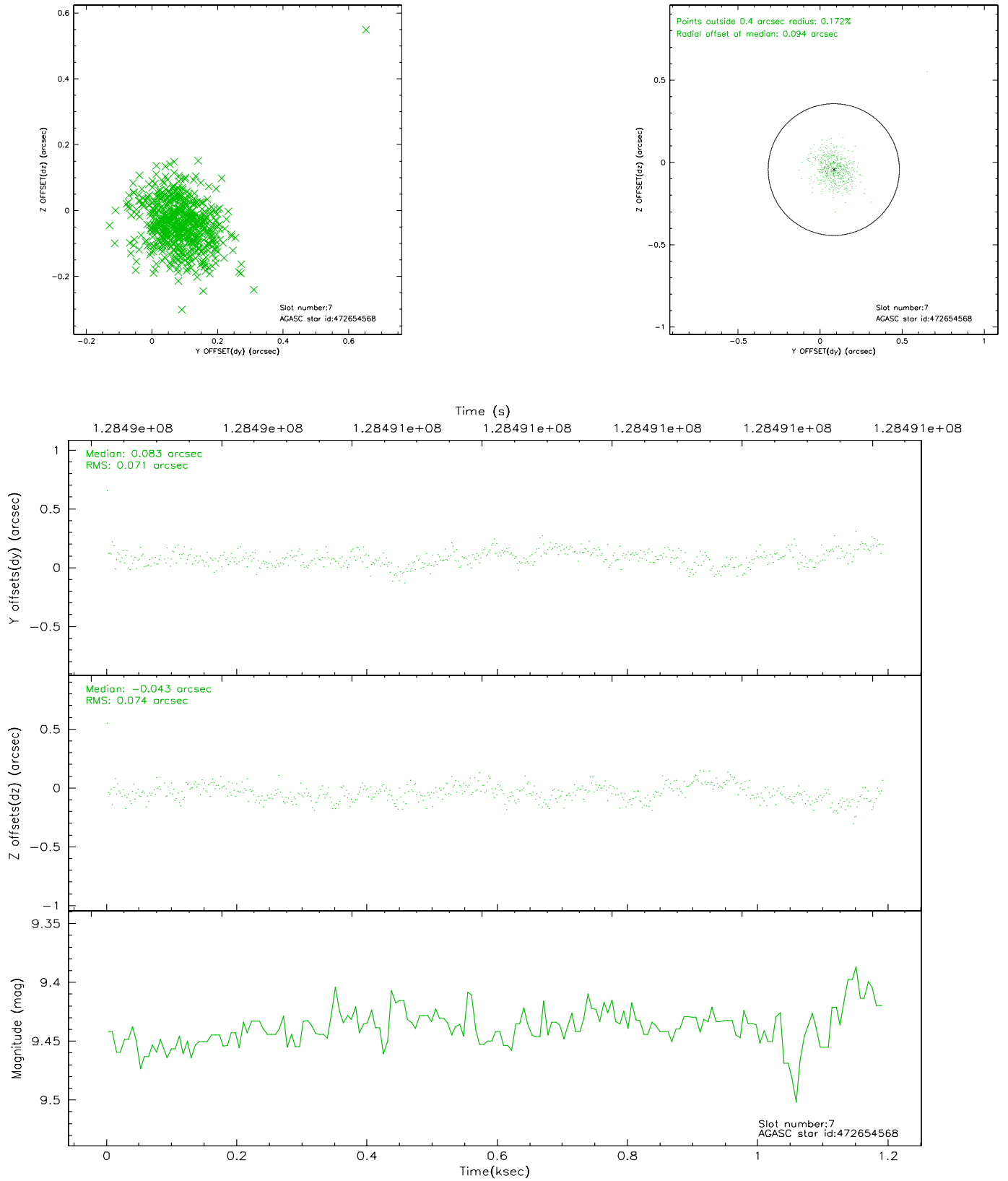
### 2.4.3 Slot 5



## 2.4.4 Slot 6

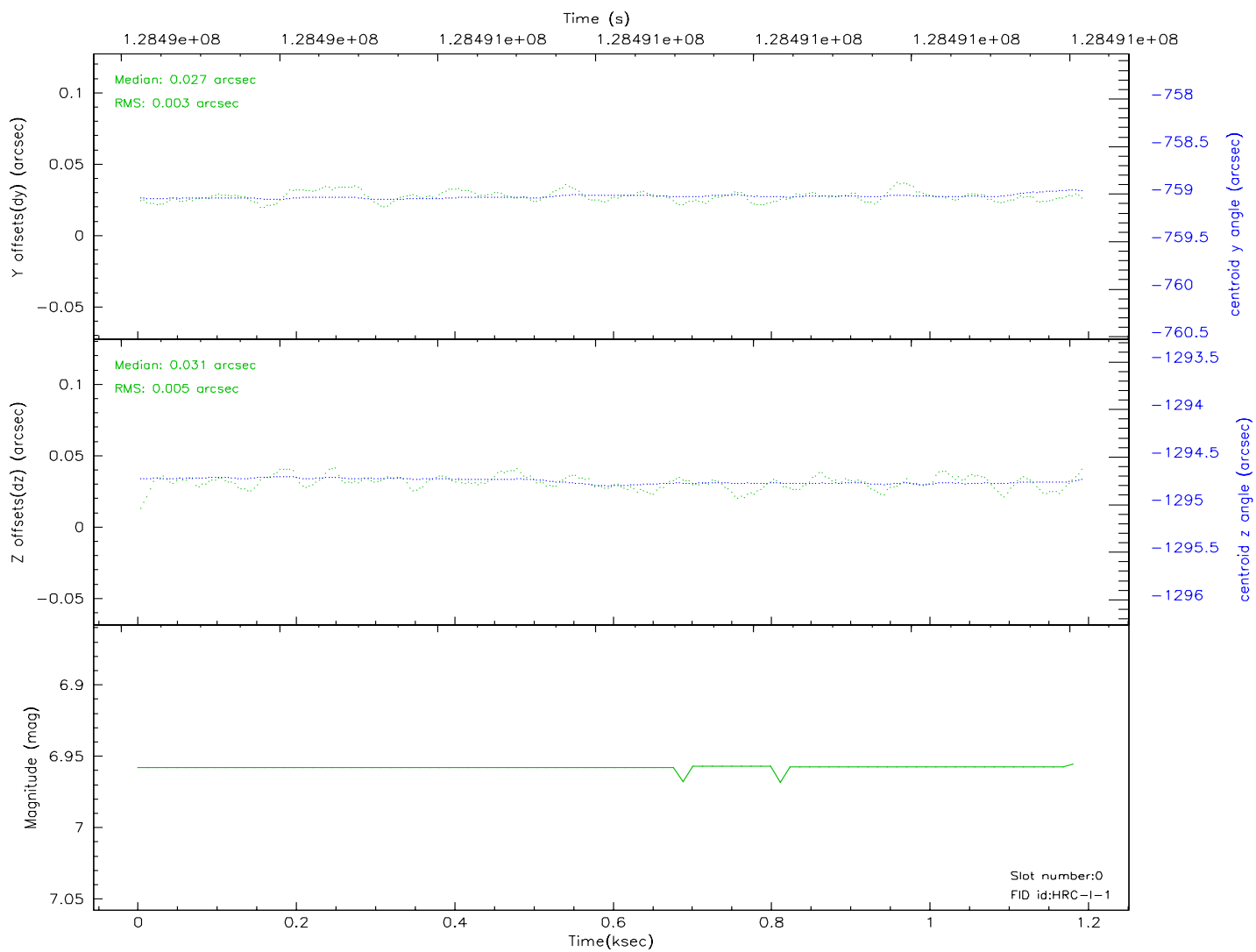
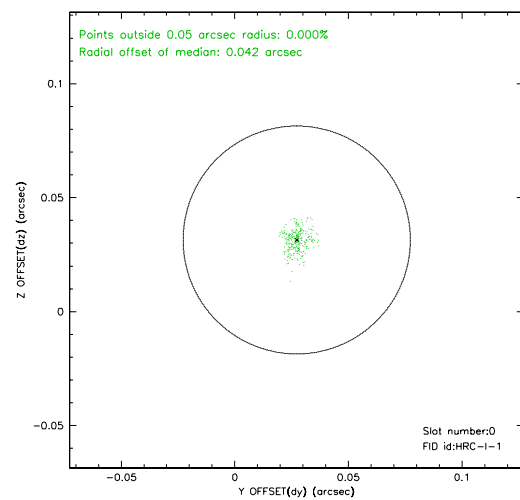
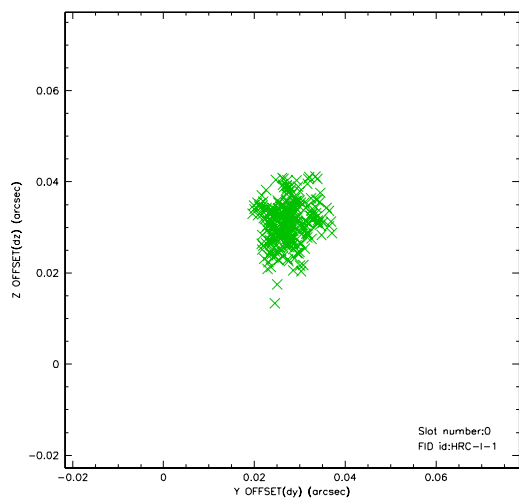


## 2.4.5 Slot 7

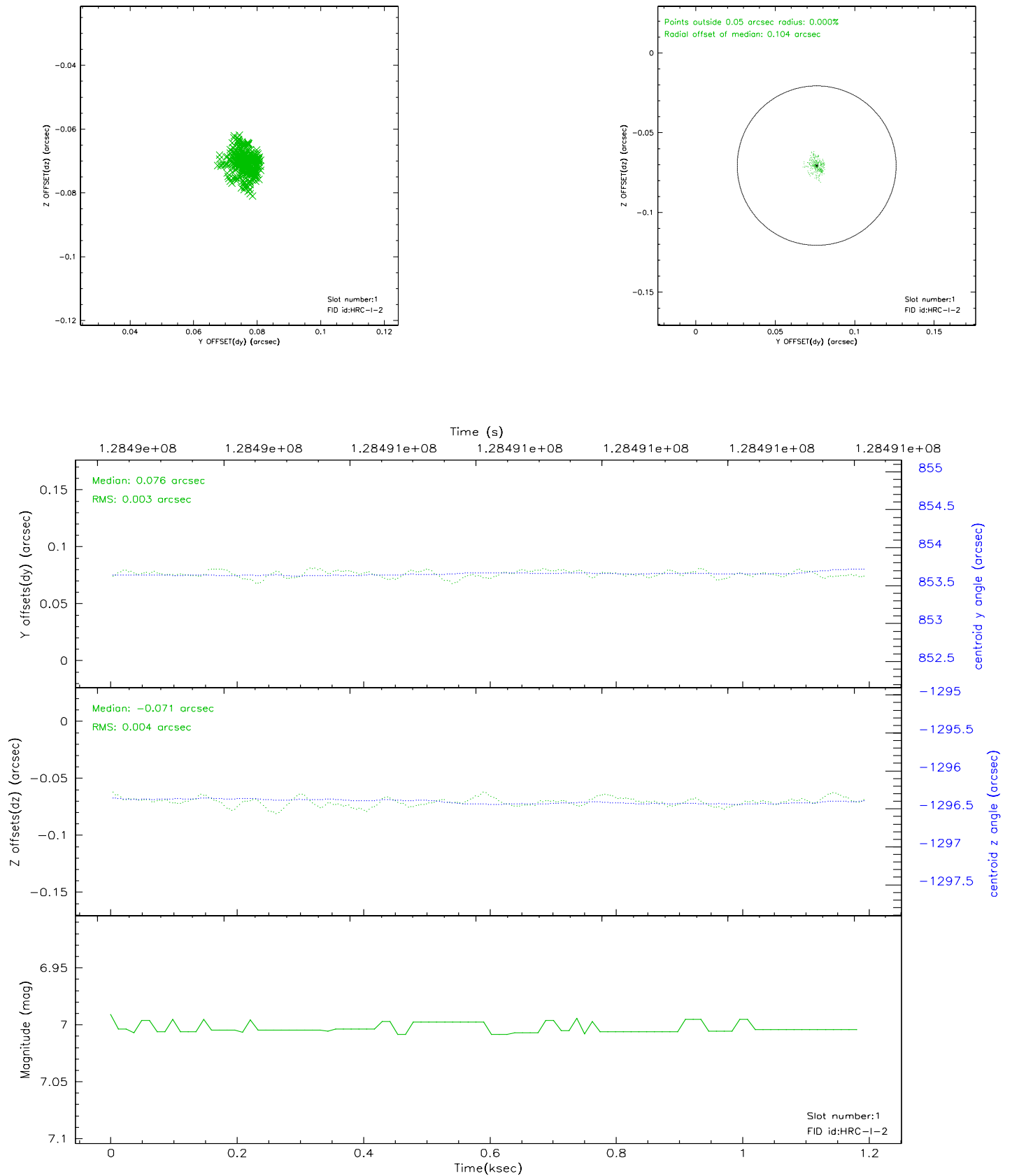


## 2.5 FID Slots

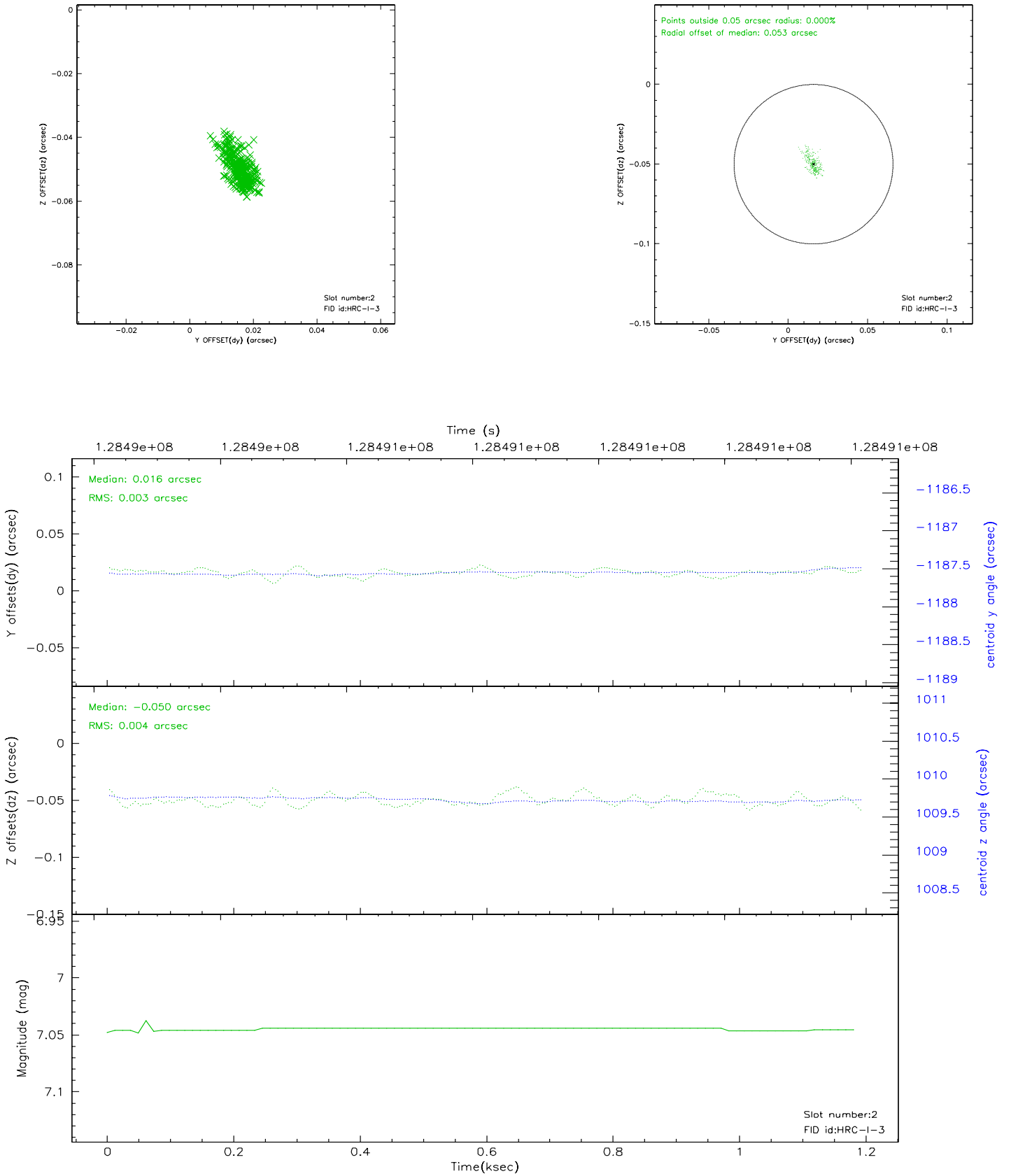
### 2.5.1 Slot 0



## 2.5.2 Slot 1

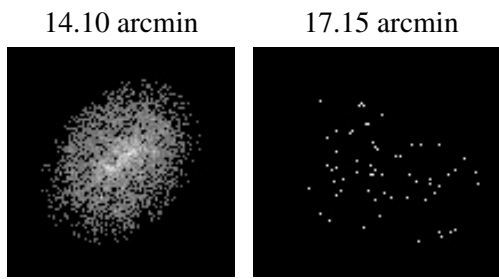


### 2.5.3 Slot 2





### 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	1.192

## A.2 Comments

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.