

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4298 - L2 Version 3  
Chandra X-Ray Center

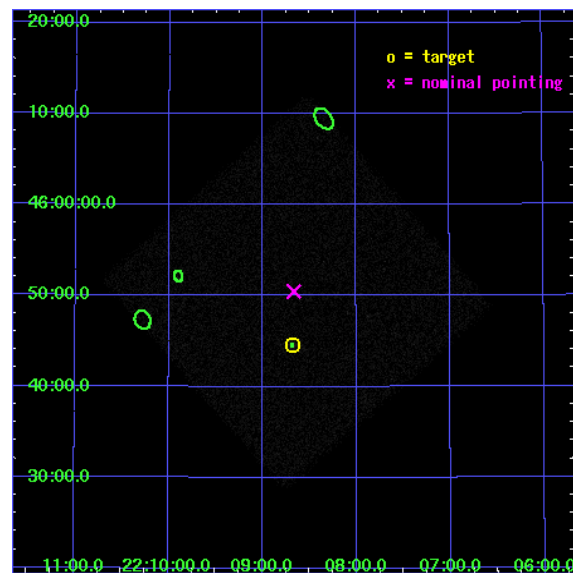
L2 Processing Date : Nov 21 2007

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# 1 Front

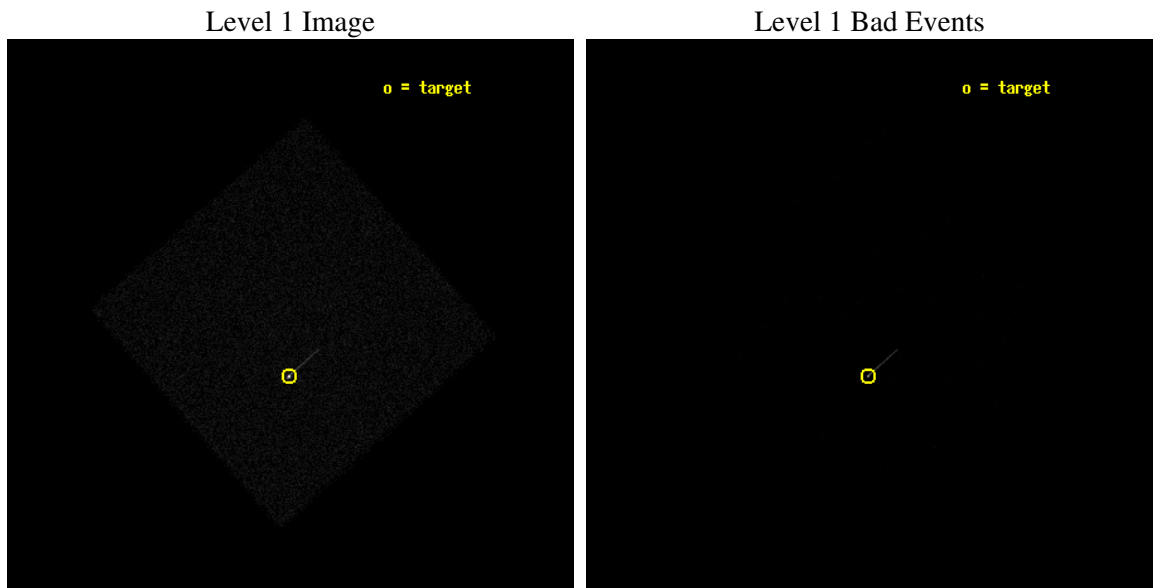
seq_num	290258
obs_id	4298
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16657948541
dec_nom	45.841468490801
roll_nom	3.7442693478882
revision	3
ontime	1179.7750496268
livetime	1173.1003522025
l2events	39035



## 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	2007-11-22T03:09:08
revision	3

sched_exp_time	1000.000000
ontime	1179.7750496268
l1events	73045

### 2.1.3 Events

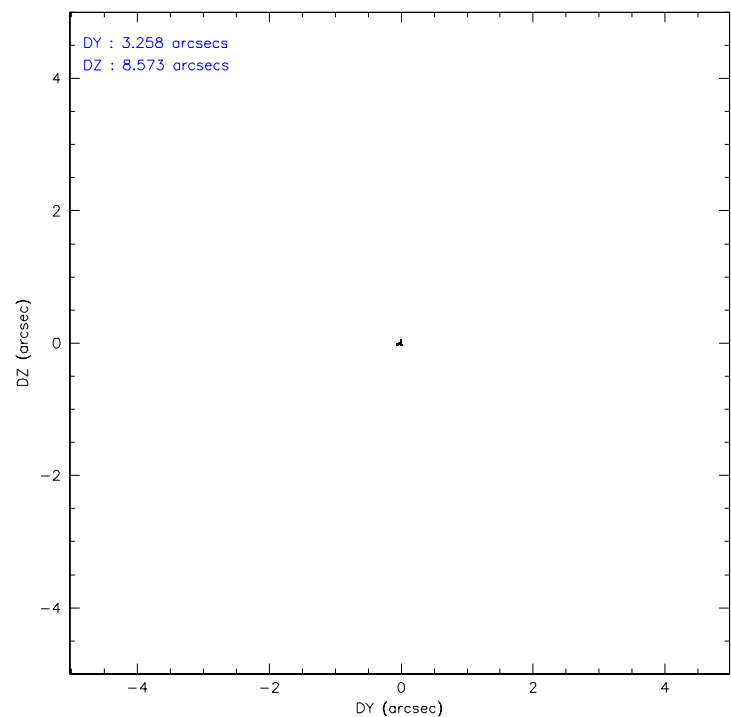
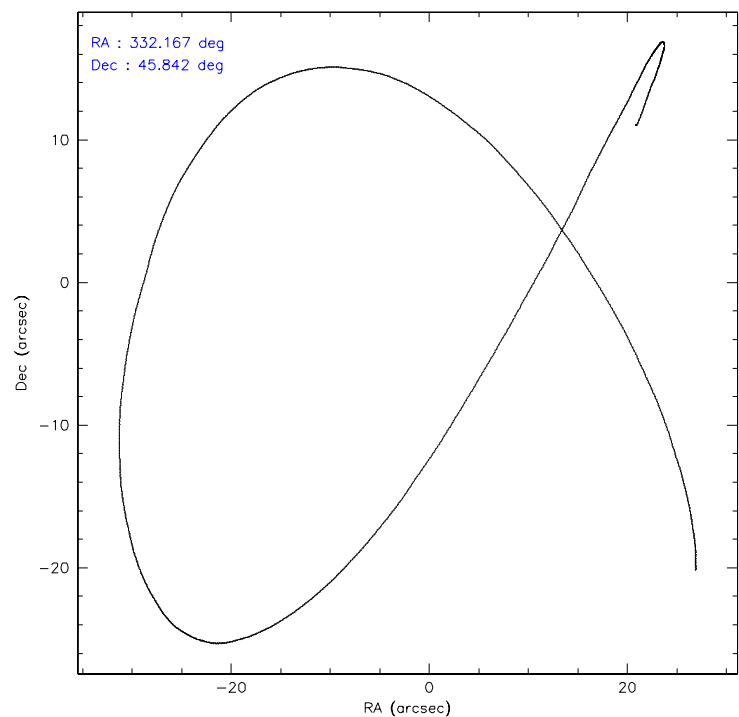
#### Level 1 Events

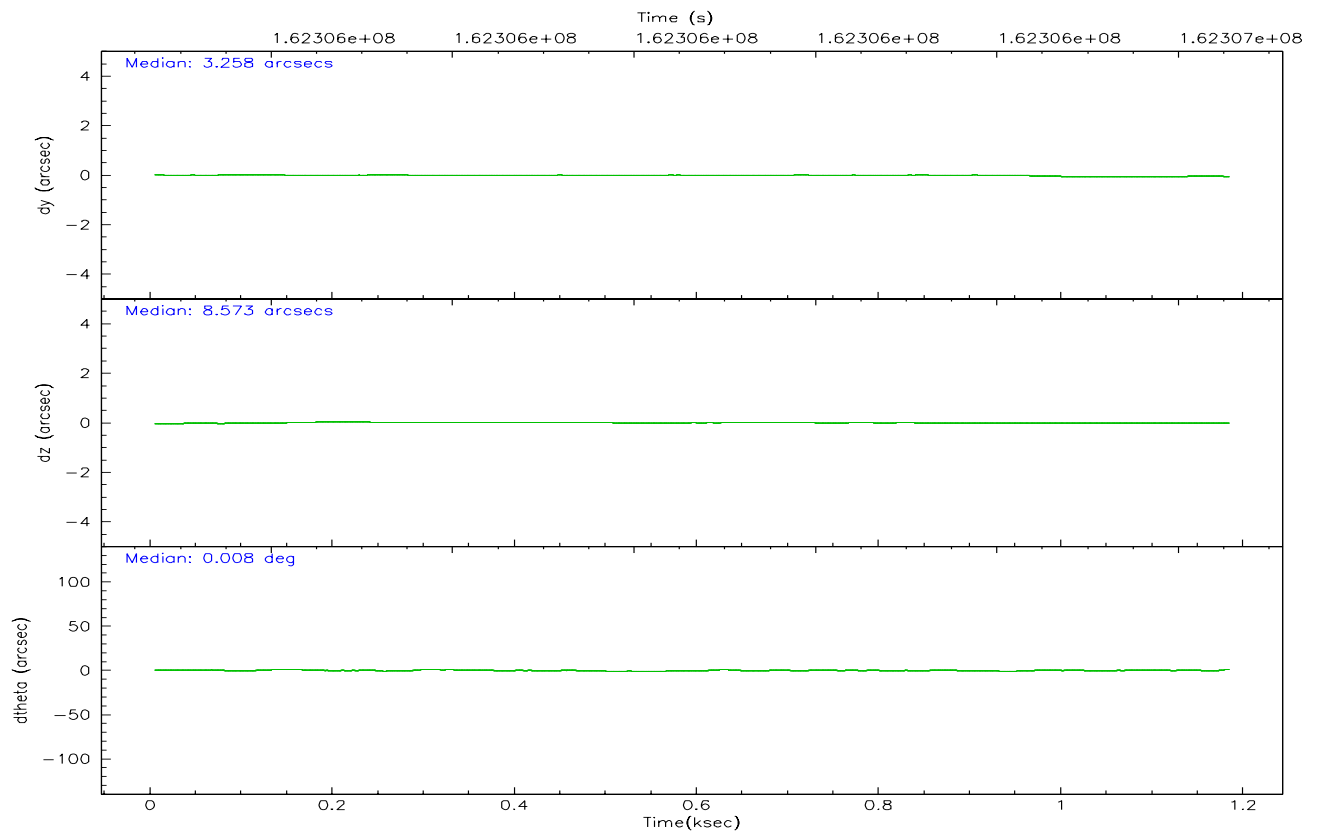
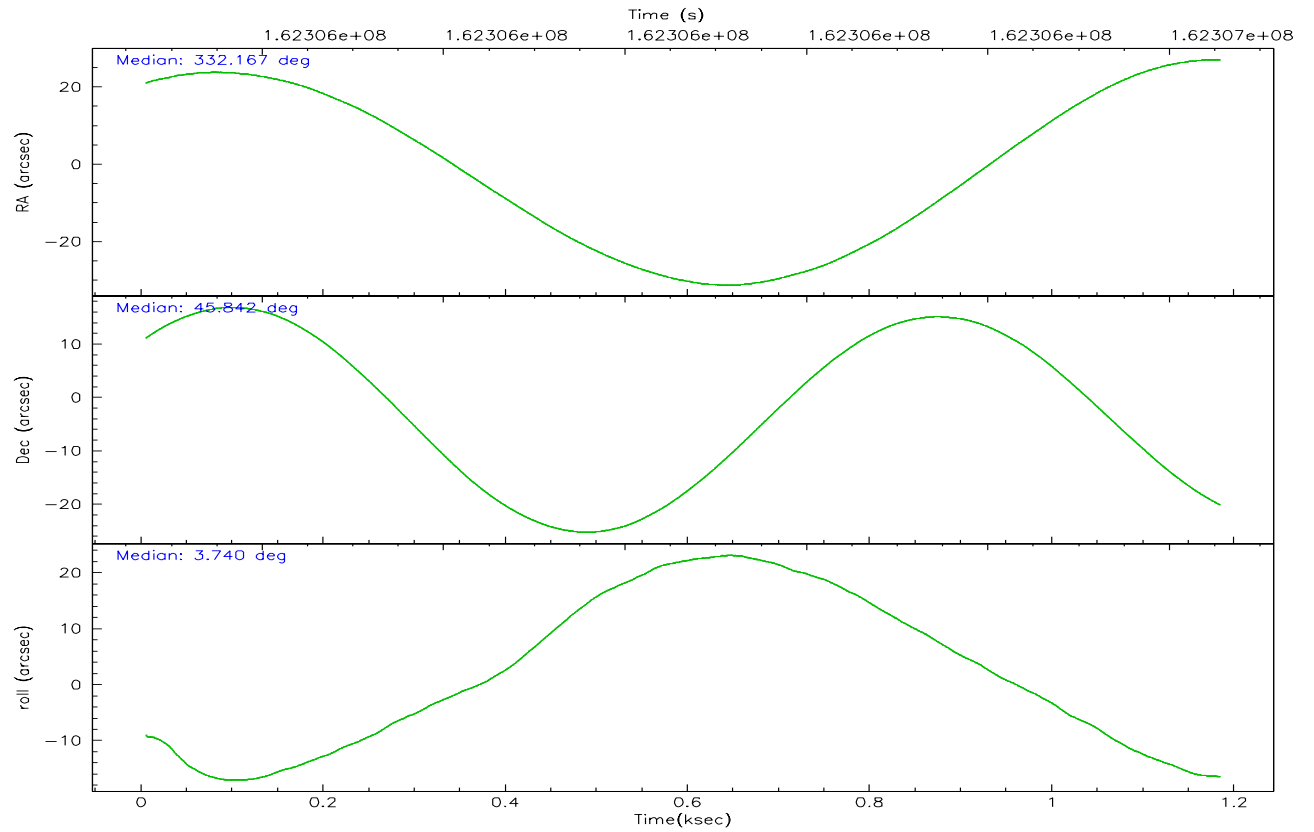
	<b>segment 0</b>
level 1 events	73045
rejected events	17667
rejected %	24%

## 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	332.134220	332.1665794854132			
Pointing Dec	45.825158	45.84146849080096			
Pointing Roll	3.862921	3.744269347888177			
Window start time	161697664.184000	161697664.184000			
Window stop time	165412864.184000	165412864.184000			
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	162305658.184000	162305281.75755			
Observation start date	2003-02-22T12:53:14	2003-02-22T12:48:01			
Observation end time	162306658.184000	162306792.09511			
Observation end date	2003-02-22T13:09:54	2003-02-22T13:13:12			

2.3 Aspect





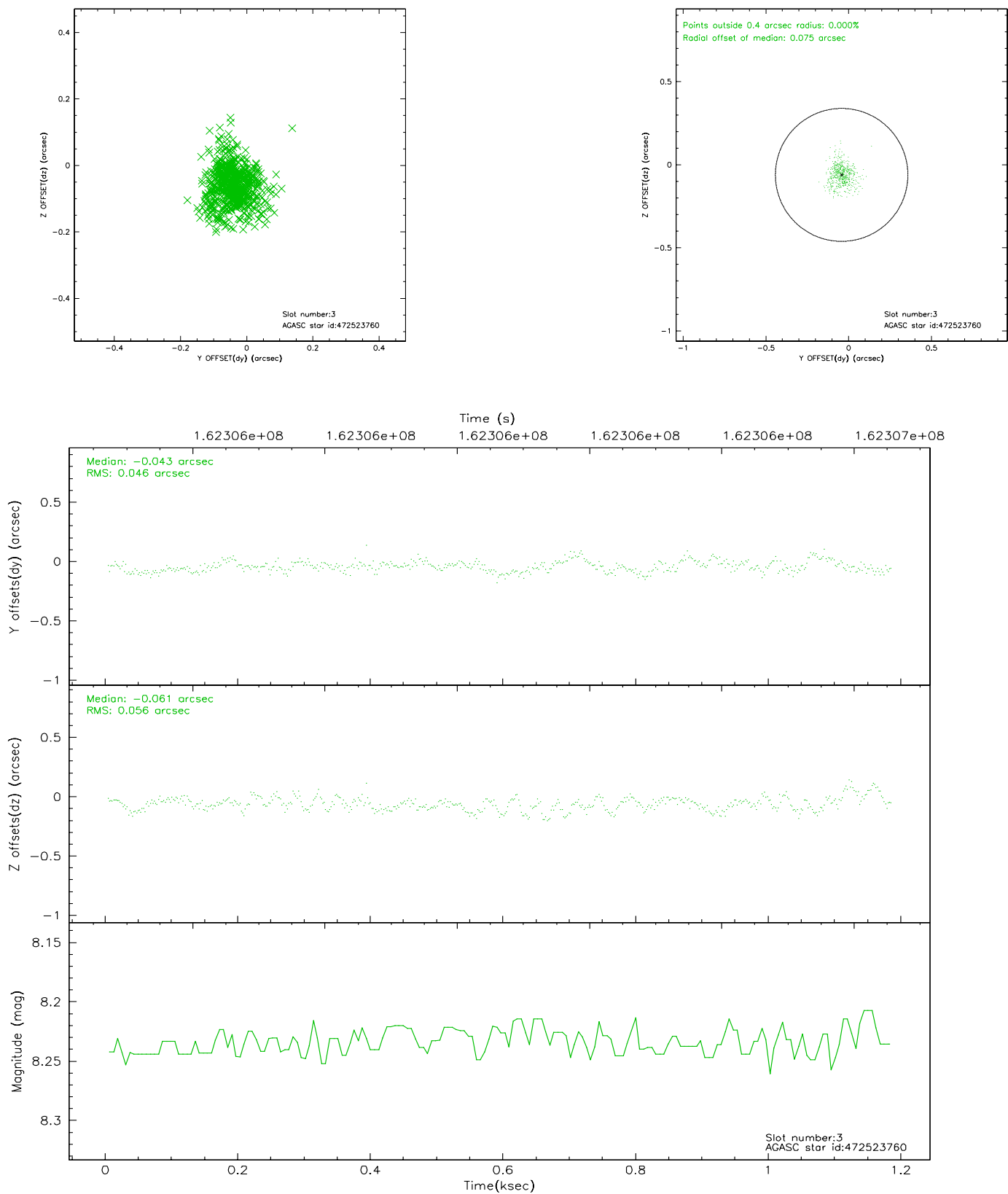
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	0.023	0.060	0.007	0.012	0.000000	0.000000	-758.70	-1296.45
1	FID	HRC-I-2	7.01	288	0.085	-0.082	0.005	0.010	0.000000	0.000000	851.36	-1302.66
2	FID	HRC-I-3	7.06	288	0.012	-0.069	0.005	0.010	0.000000	0.000000	-1184.25	1003.46
3	GUIDE	472523760	8.23	577	-0.043	-0.061	0.074	0.129	331.645363	45.403260	-1336.29	-1431.02
4	GUIDE	472533912	9.17	575	-0.020	0.075	0.103	0.164	331.791136	46.368695	-722.21	2006.62
5	GUIDE	472655152	9.43	577	0.133	0.005	0.117	0.245	332.504239	45.862991	932.33	76.59
6	GUIDE	472659832	9.46	576	0.062	0.089	0.091	0.153	332.780399	46.098139	1676.28	876.27
7	GUIDE	472527720	6.99	576	-0.123	-0.101	0.069	0.107	331.460205	45.112509	-1879.37	-2438.43

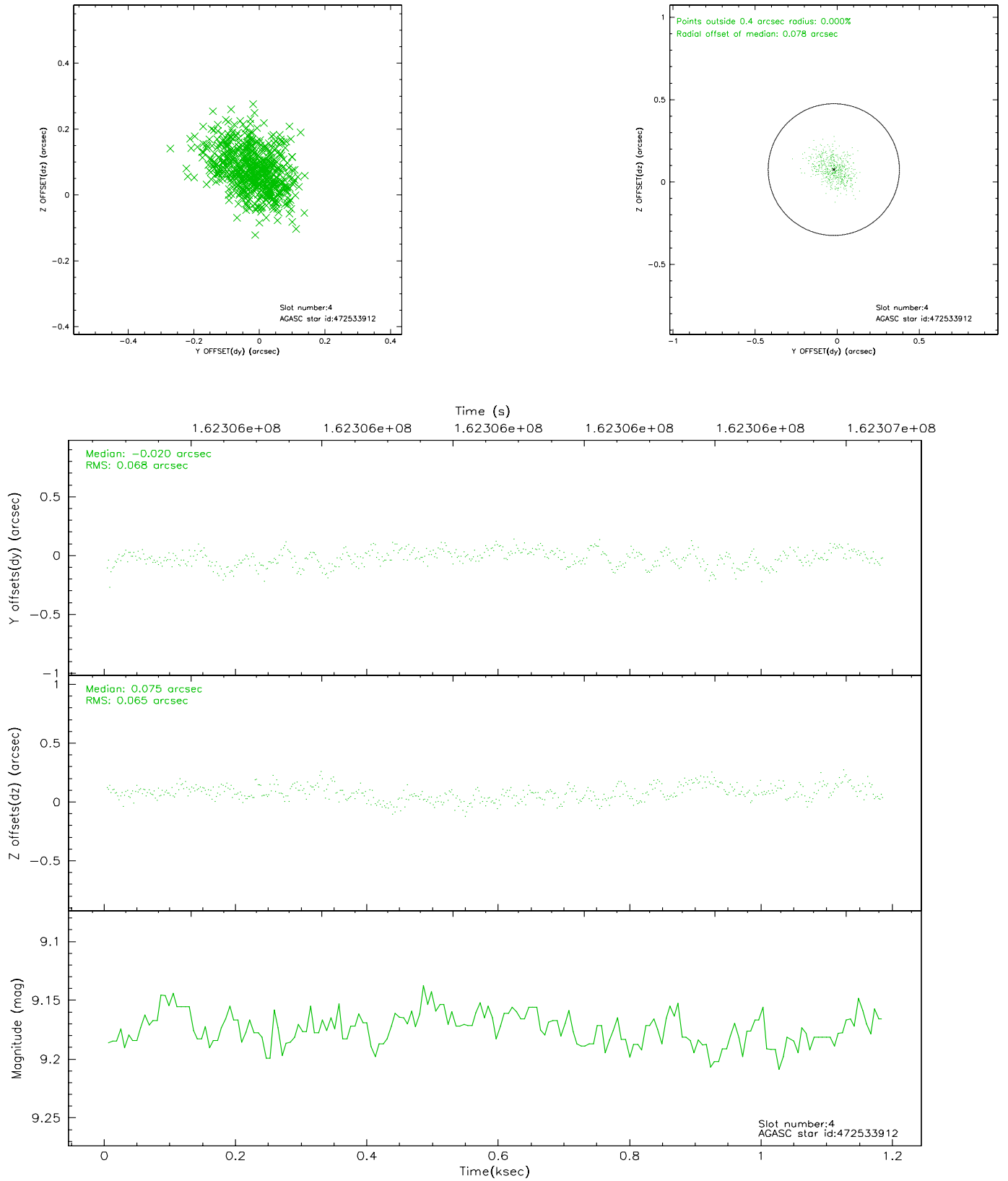


## 2.4 Star Slots

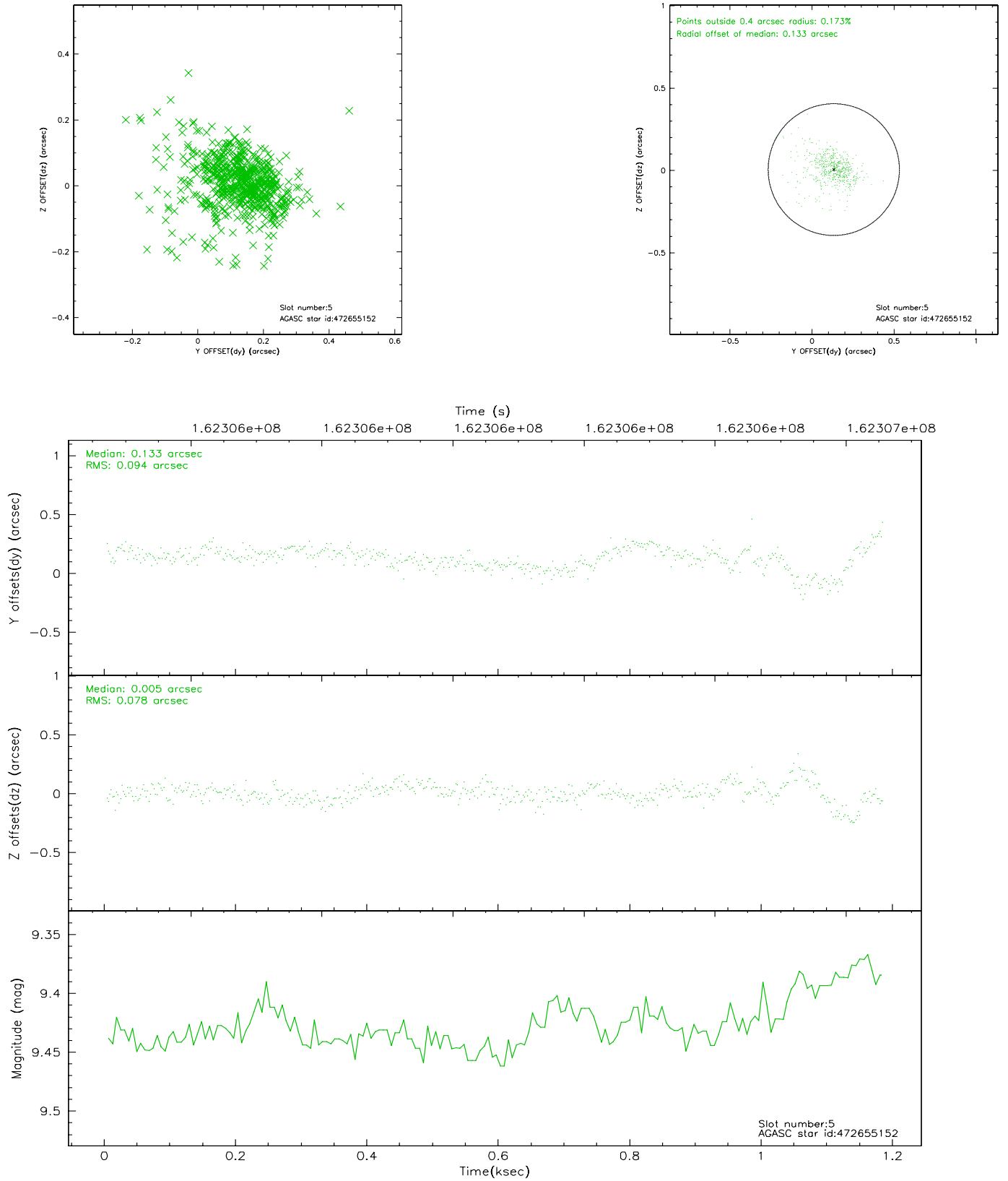
### 2.4.1 Slot 3



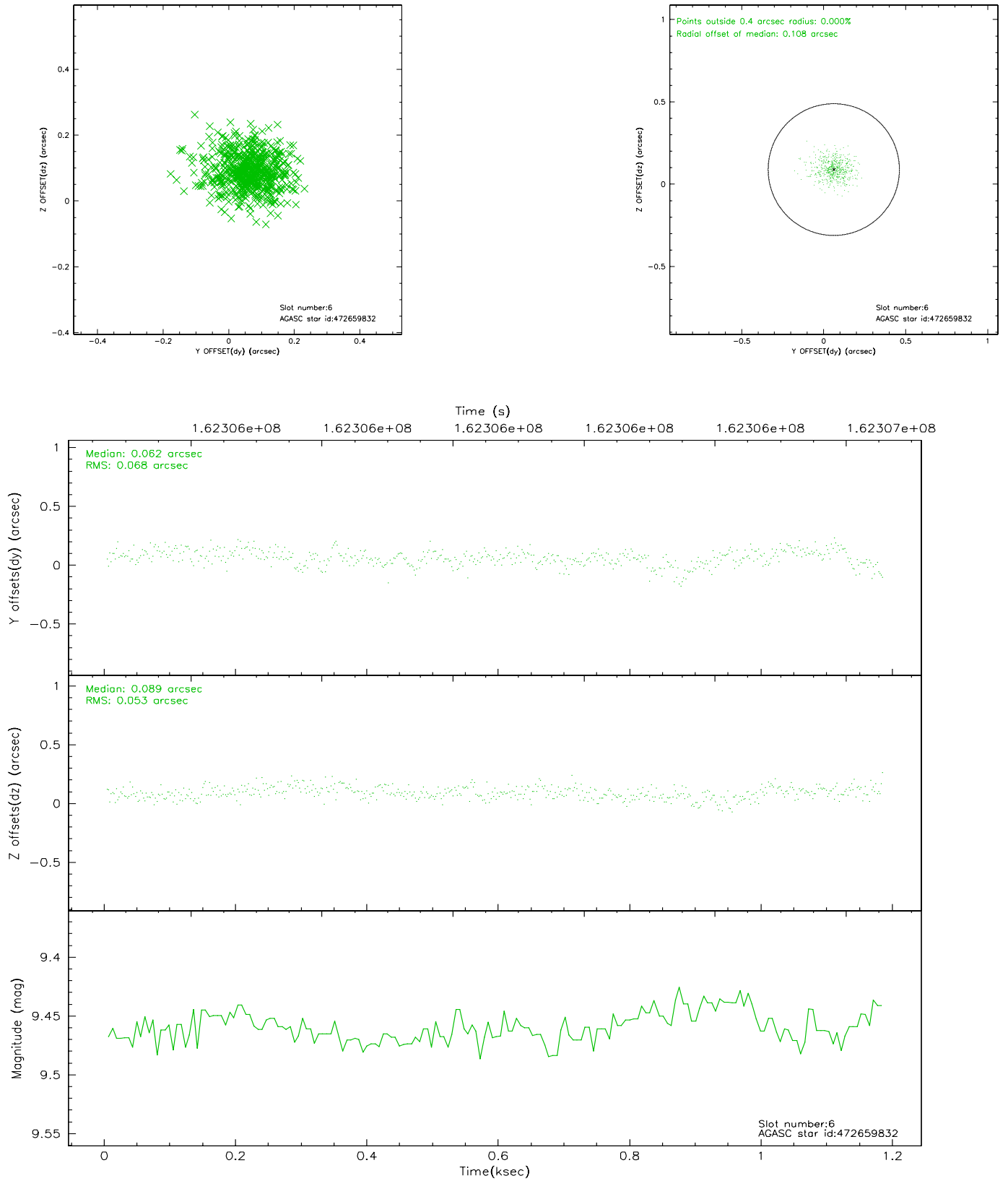
## 2.4.2 Slot 4



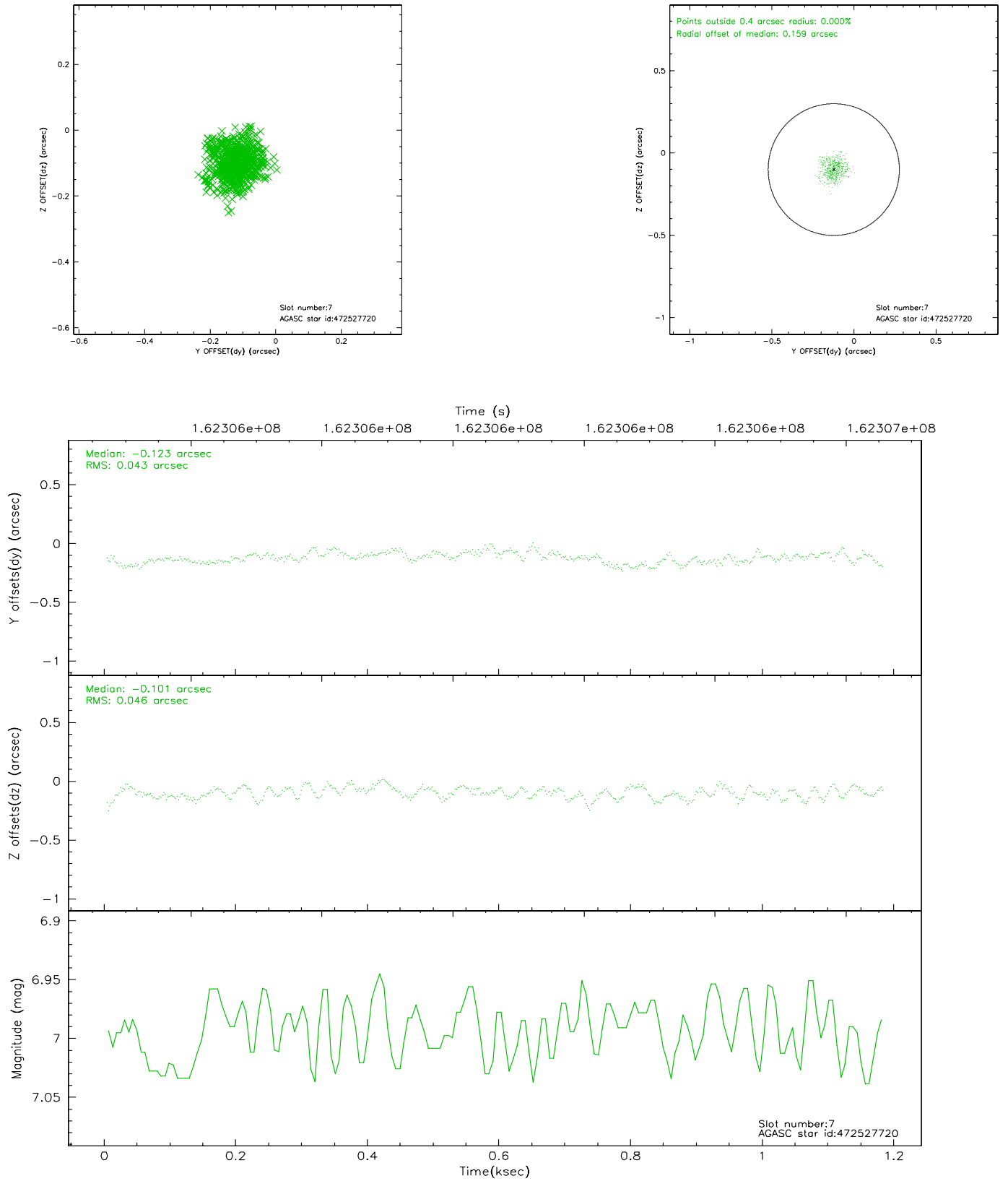
### 2.4.3 Slot 5



## 2.4.4 Slot 6

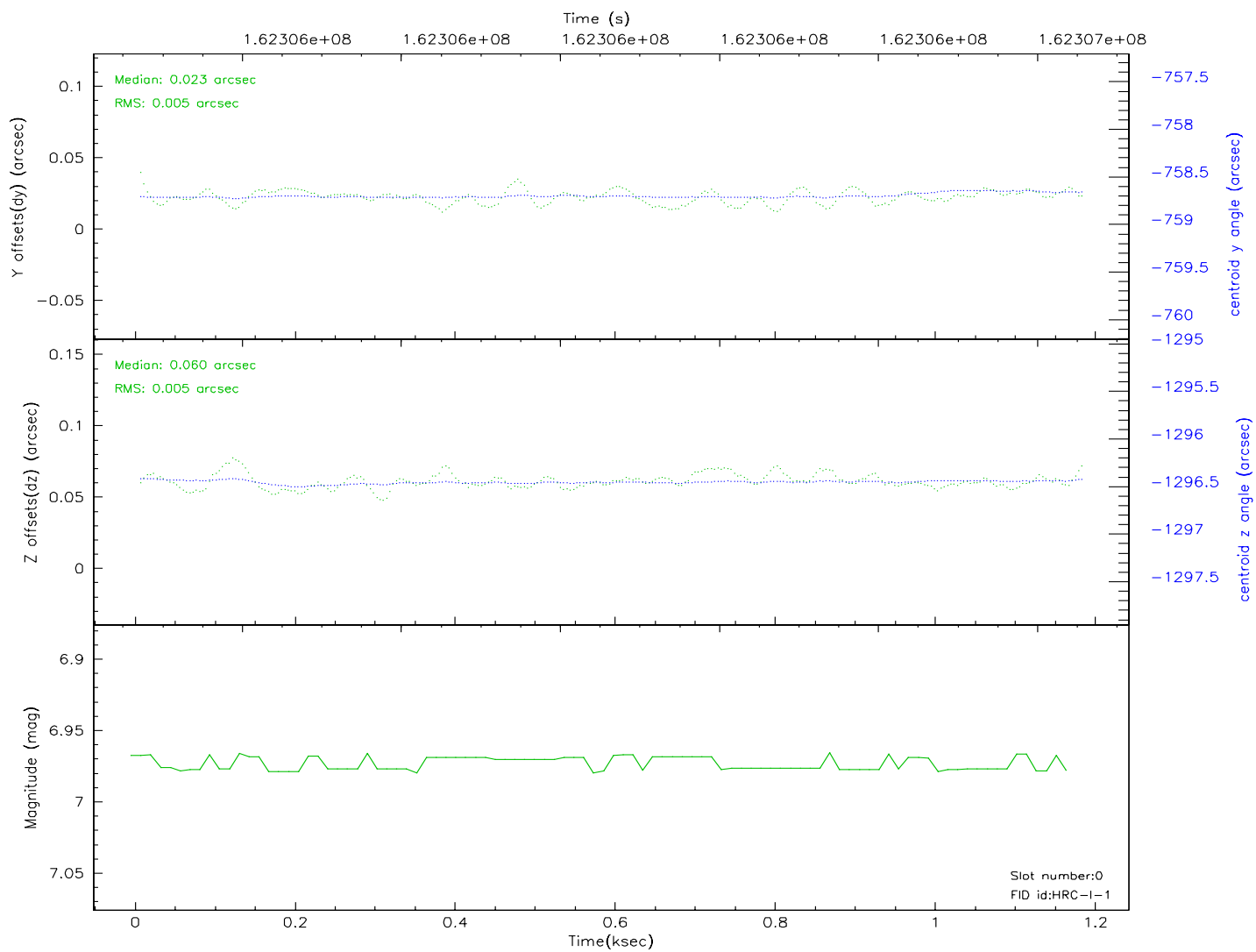
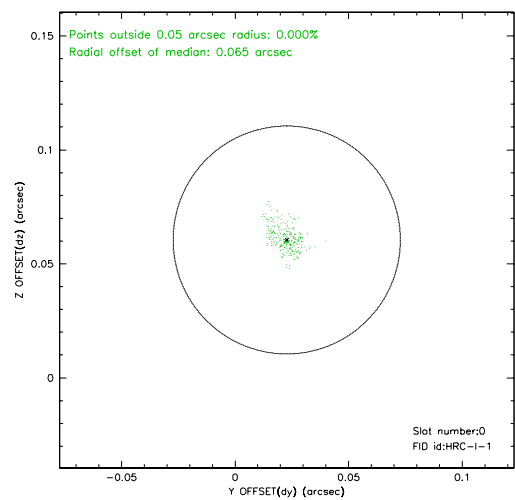
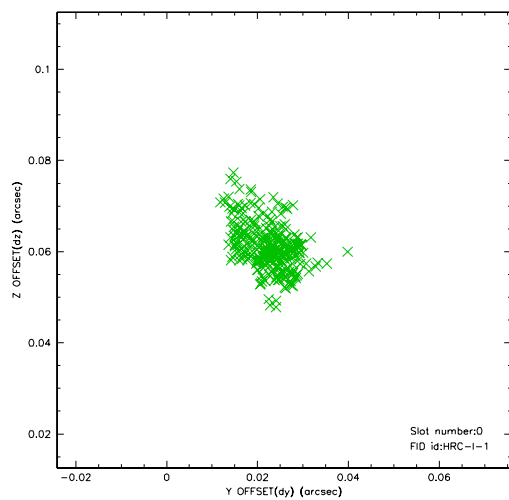


## 2.4.5 Slot 7

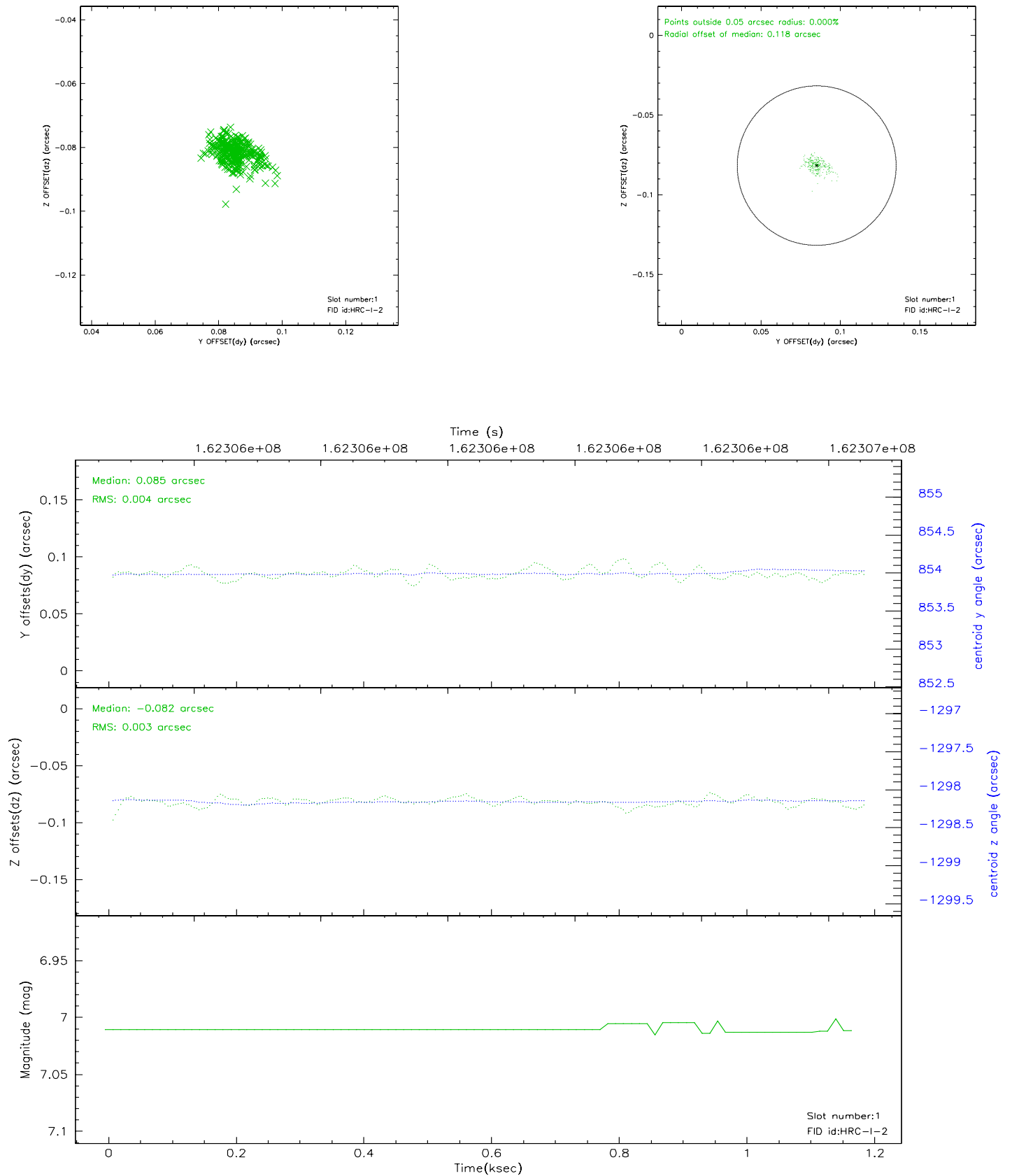


## 2.5 FID Slots

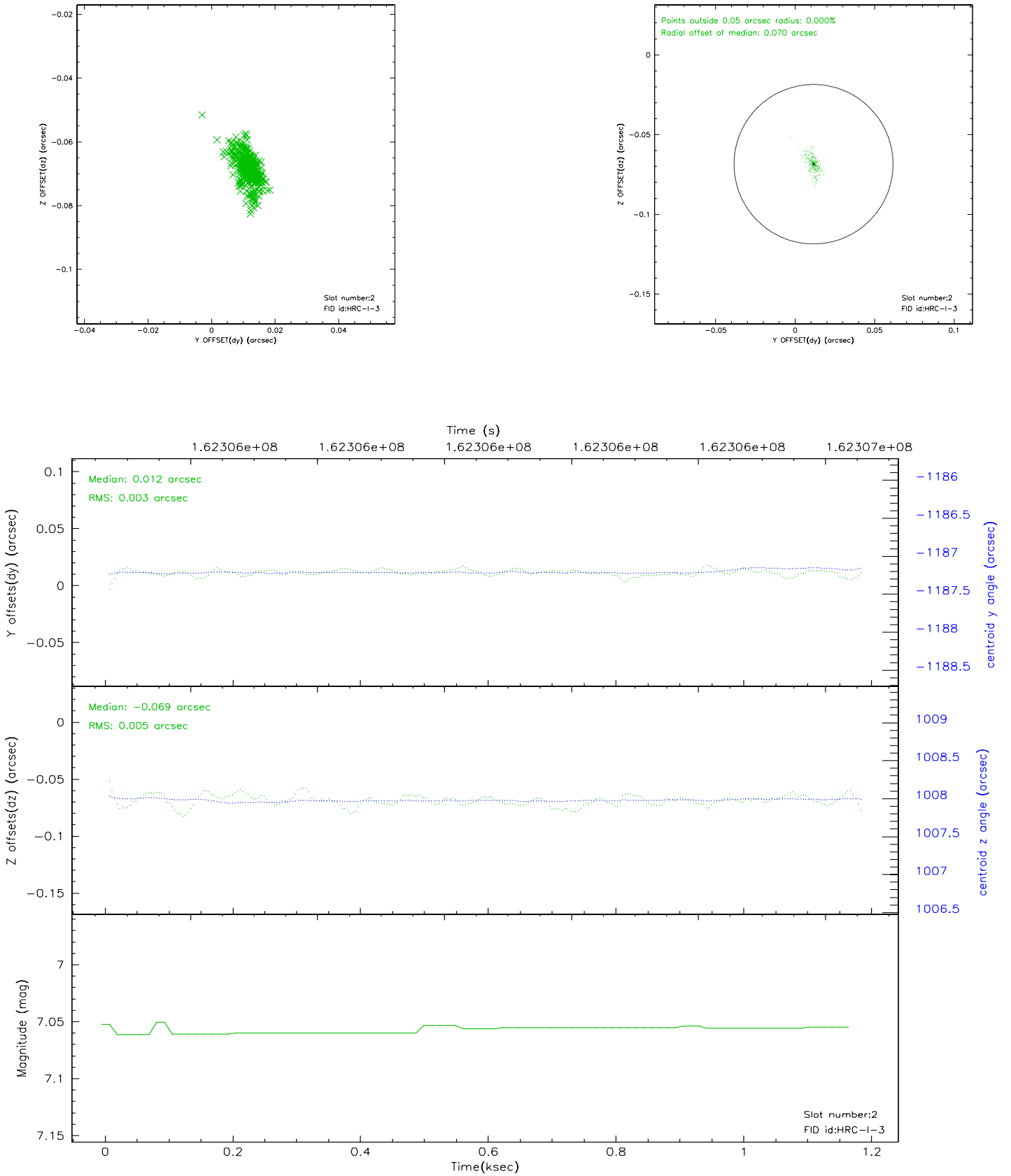
### 2.5.1 Slot 0



## 2.5.2 Slot 1

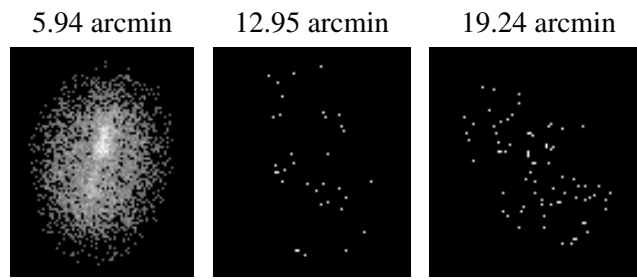


### 2.5.3 Slot 2





### 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	1.179

## 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.