

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4296 - L2 Version 3  
Chandra X-Ray Center

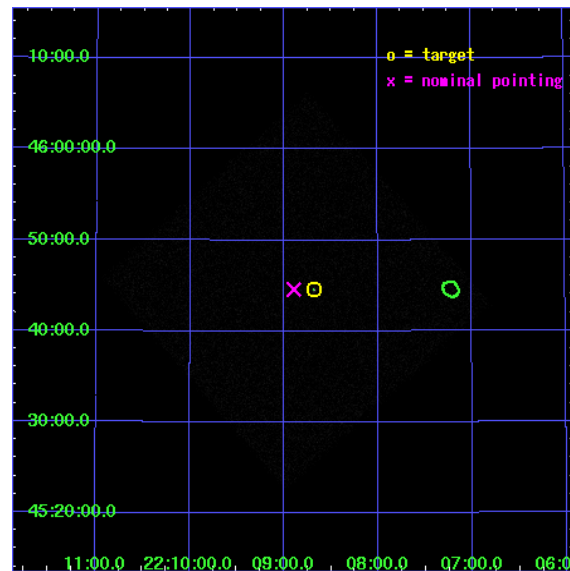
L2 Processing Date : Nov 21 2007

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# 1 Front

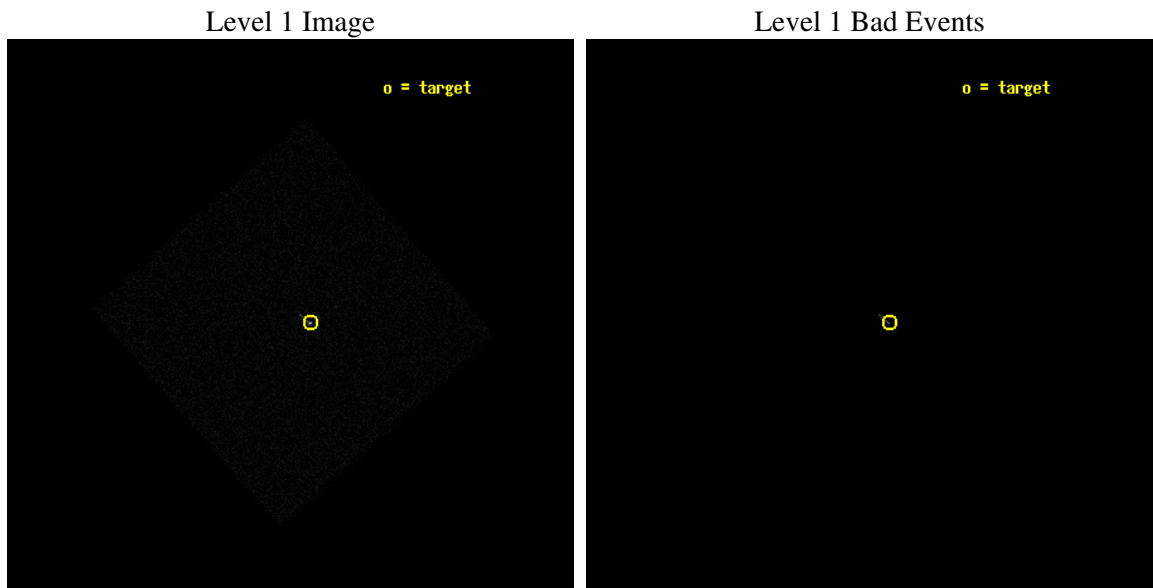
seq_num	290256
obs_id	4296
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2234939266
dec_nom	45.743400545584
roll_nom	3.63965924269
revision	3
ontime	1181.8250496686
livetime	1175.4373033062
l2events	35751



## 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	2007-11-22T02:26:16
revision	3

sched_exp_time	1000.000000
ontime	1181.8250496686
l1events	65145

### 2.1.3 Events

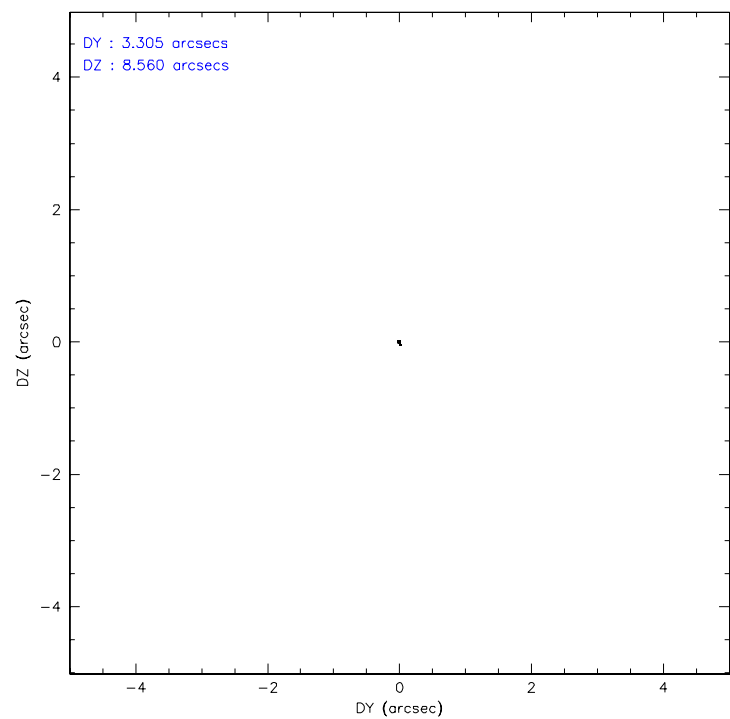
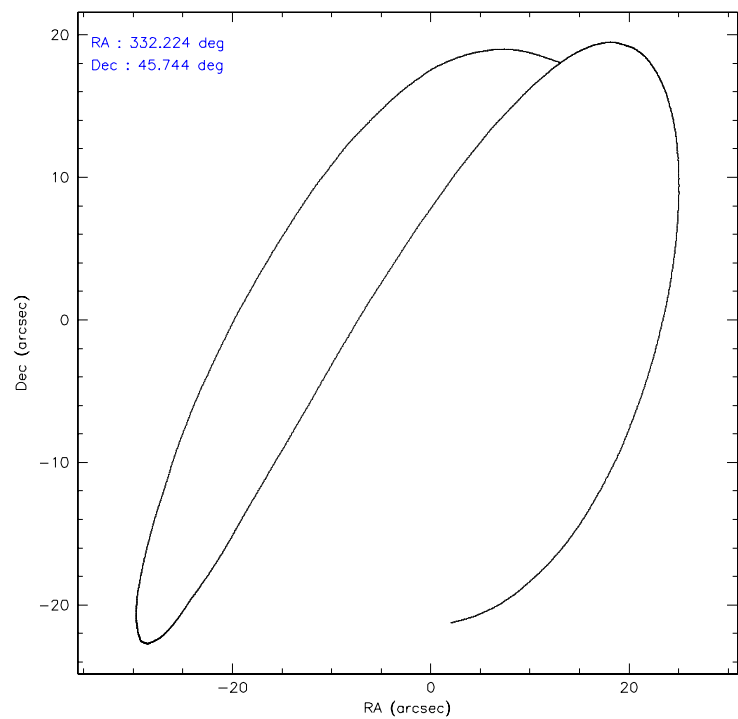
#### Level 1 Events

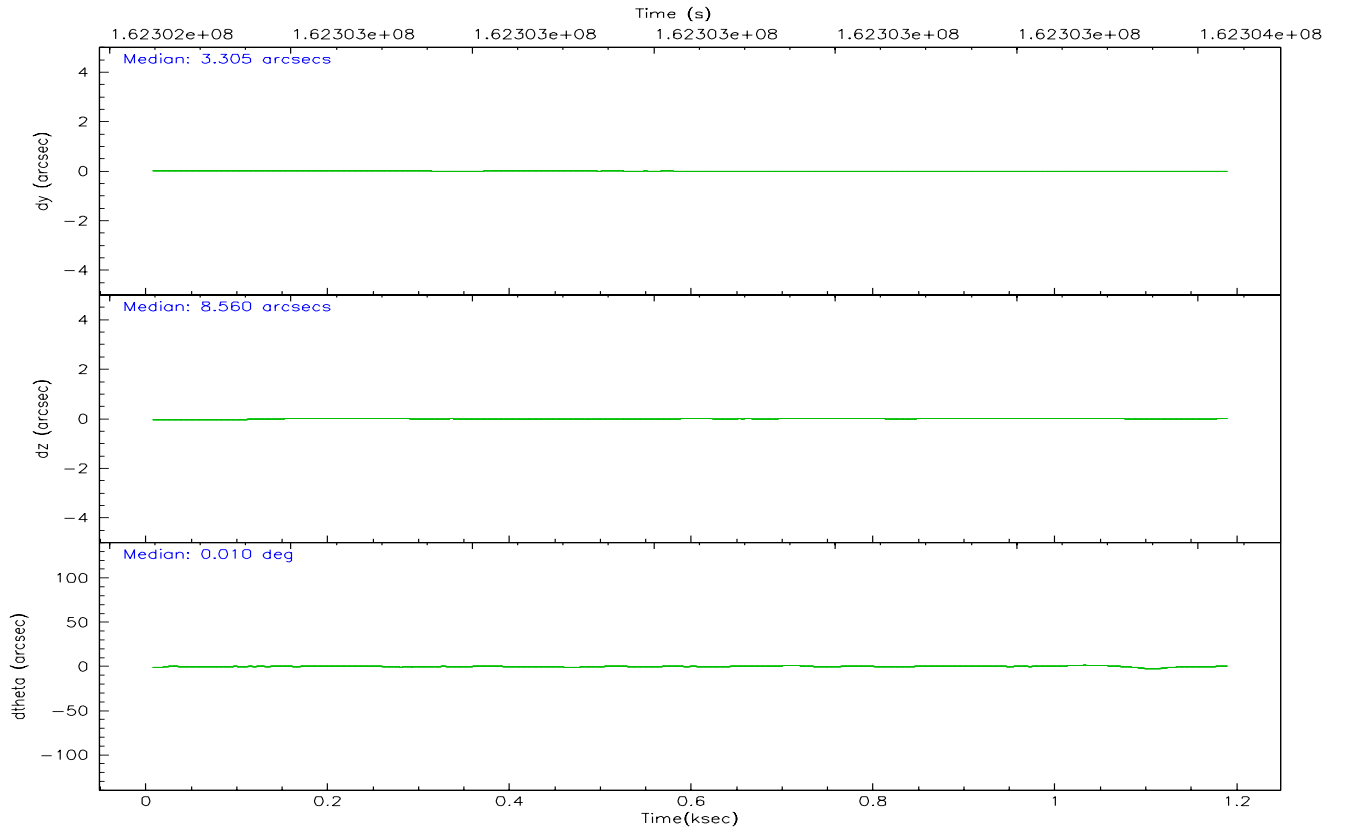
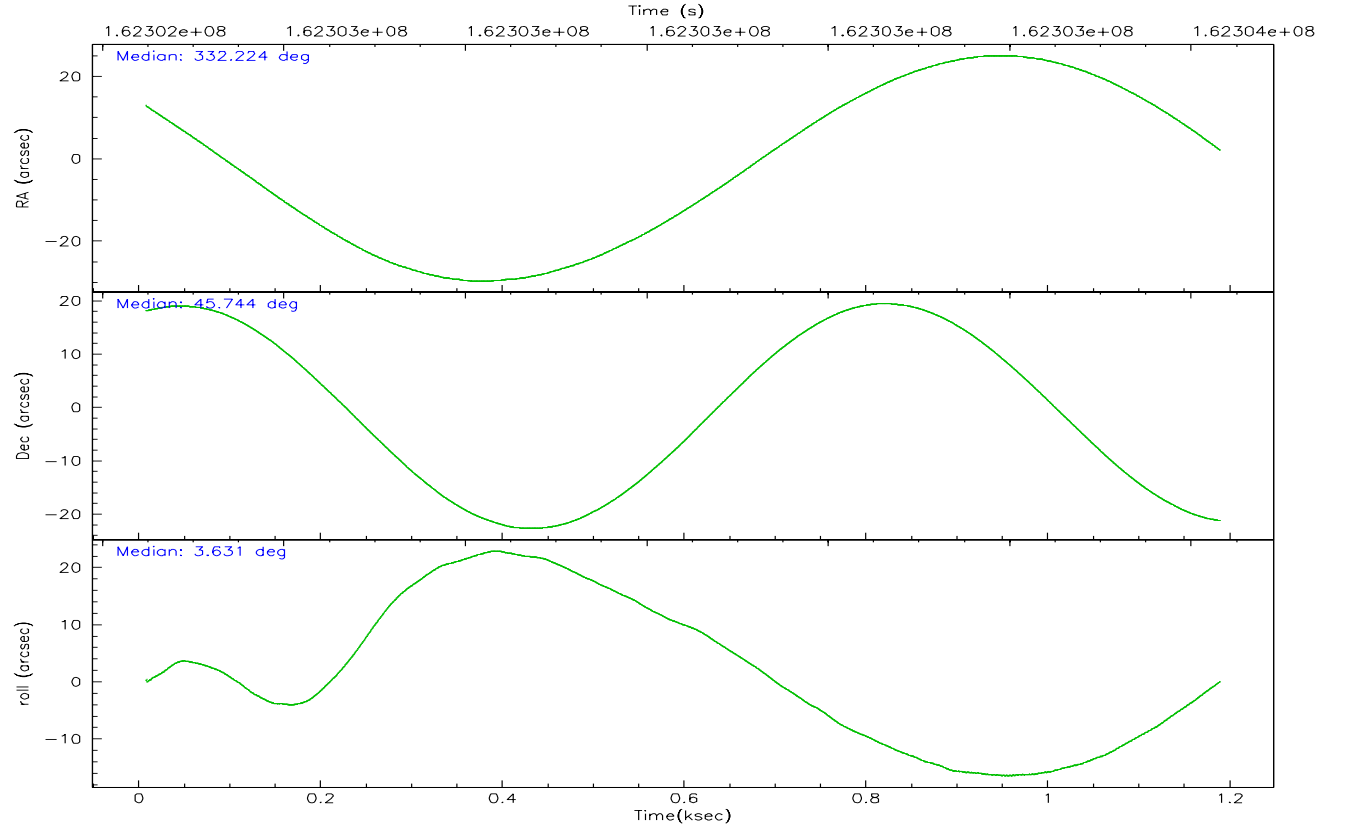
	<b>segment 0</b>
level 1 events	65145
rejected events	14209
rejected %	21%

## 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	332.191494	332.2234939266007			
Pointing Dec	45.727598	45.743400545584			
Pointing Roll	3.758082	3.63965924269001			
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	162302638.184000	162302261.59492			
Observation start date	2003-02-22T12:02:54	2003-02-22T11:57:41			
Observation end time	162303638.184000	162303771.41999			
Observation end date	2003-02-22T12:19:34	2003-02-22T12:22:51			

2.3 Aspect





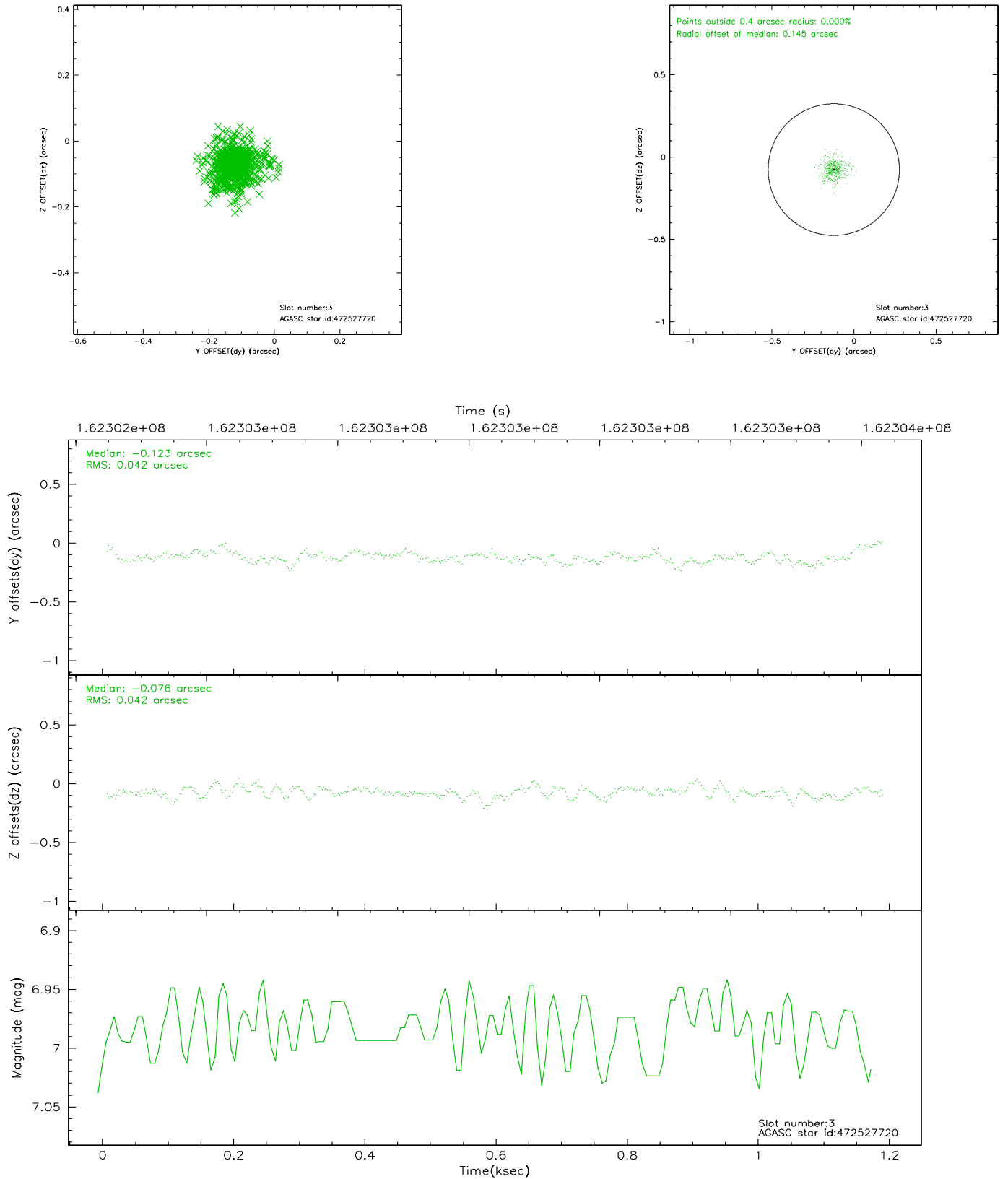
### Slot Statistics

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	289	0.069	0.062	0.007	0.014	0.000000	0.000000	-758.74	-1296.42
1	FID	HRC-I-3	7.06	289	-0.006	-0.076	0.007	0.014	0.000000	0.000000	-1189.88	1003.53
2	FID	HRC-I-4	7.01	289	0.051	-0.076	0.005	0.015	0.000000	0.000000	1279.96	1009.04
3	GUIDE	472527720	6.98	578	-0.123	-0.076	0.061	0.108	331.460205	45.112509	-1998.83	-2080.56
4	GUIDE	472655152	9.43	575	0.124	0.020	0.114	0.409	332.504239	45.862991	810.45	432.11
5	GUIDE	472659832	9.46	571	0.027	0.062	0.106	0.165	332.780399	46.098139	1555.61	1240.49
6	GUIDE	472533912	9.18	578	-0.005	-0.053	0.117	0.183	331.791136	46.368695	-839.08	2371.86
7	GUIDE	472654568	9.44	576	-0.003	0.055	0.113	0.192	332.194449	45.063576	-150.75	-2382.49

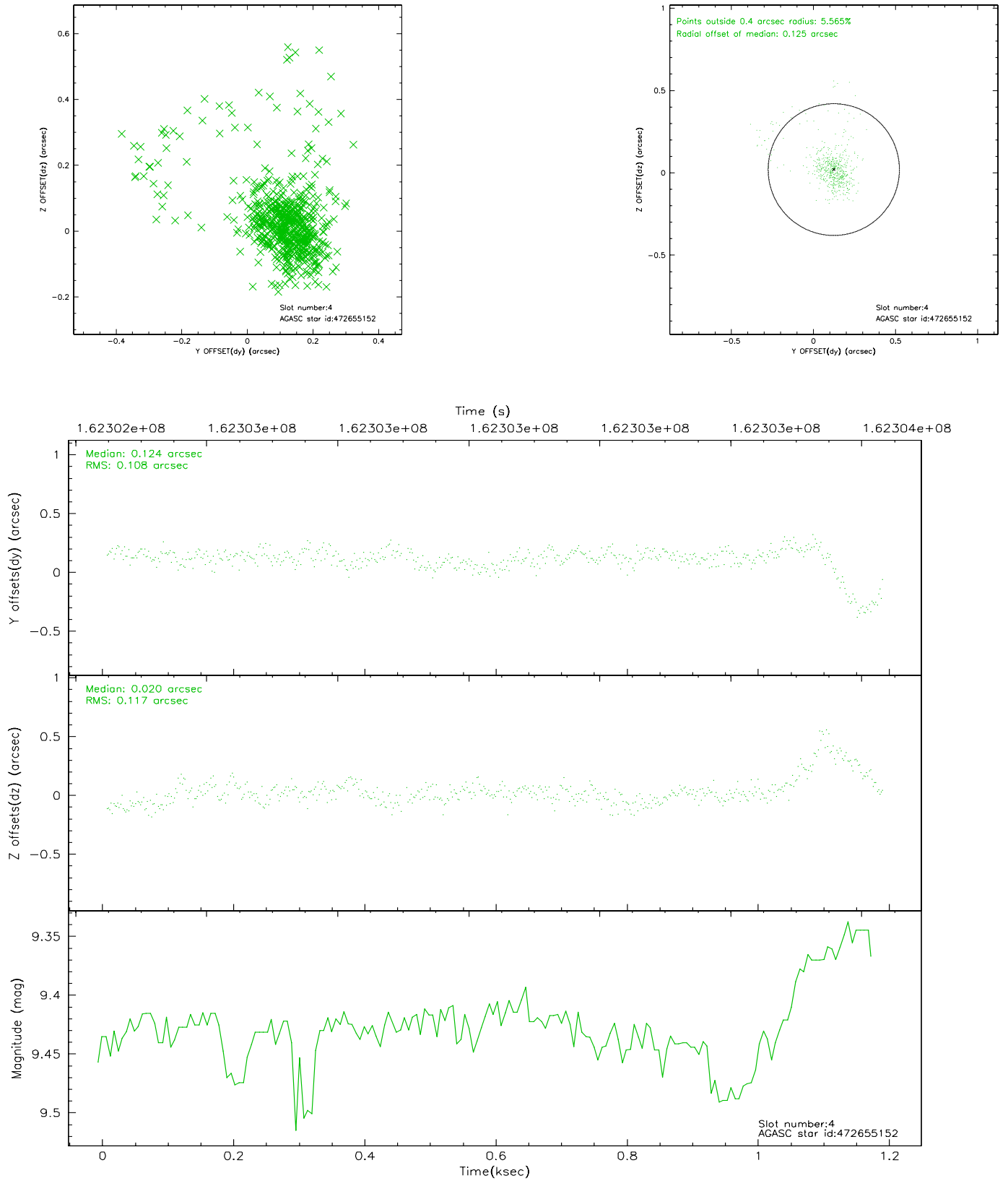


## 2.4 Star Slots

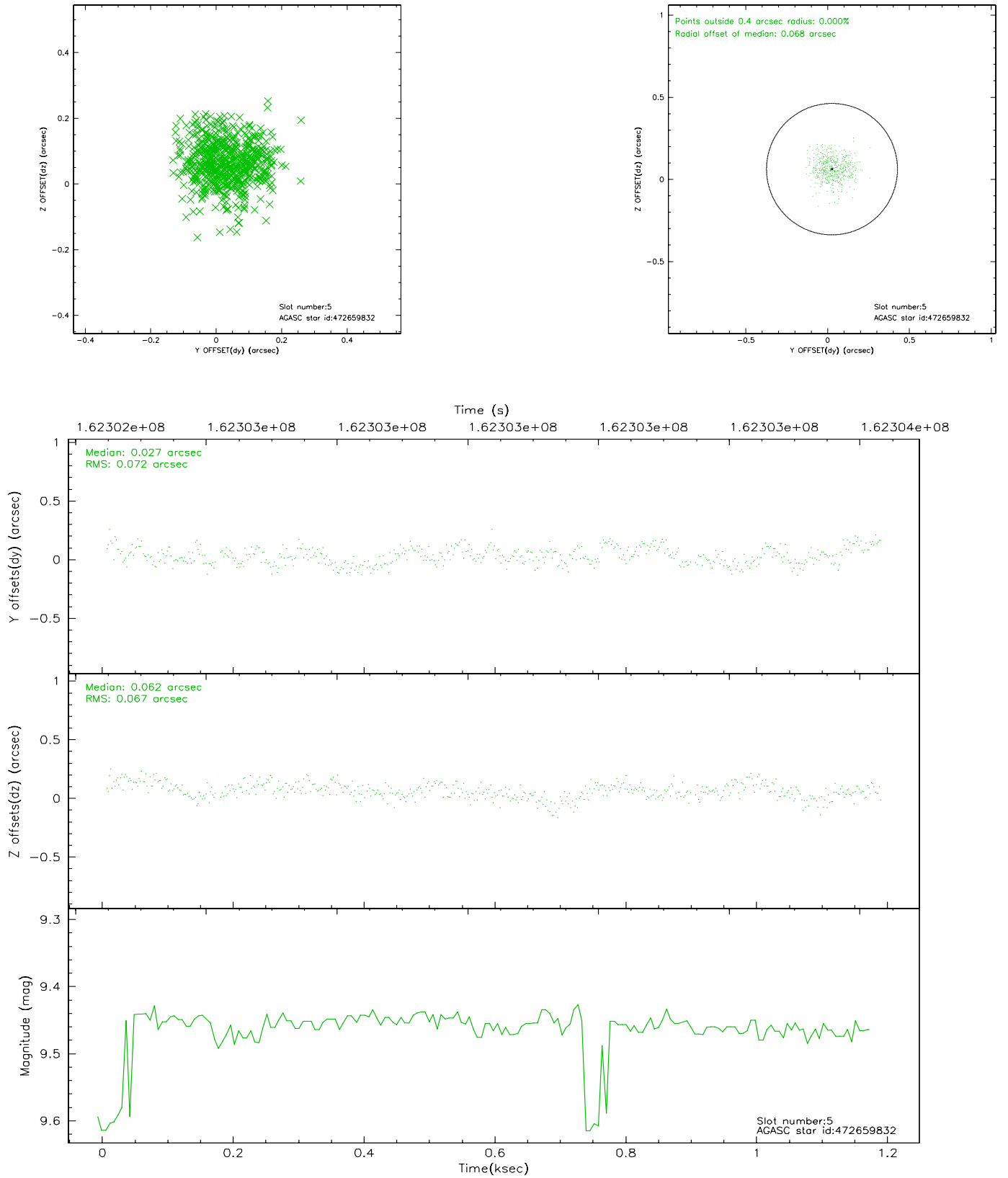
### 2.4.1 Slot 3



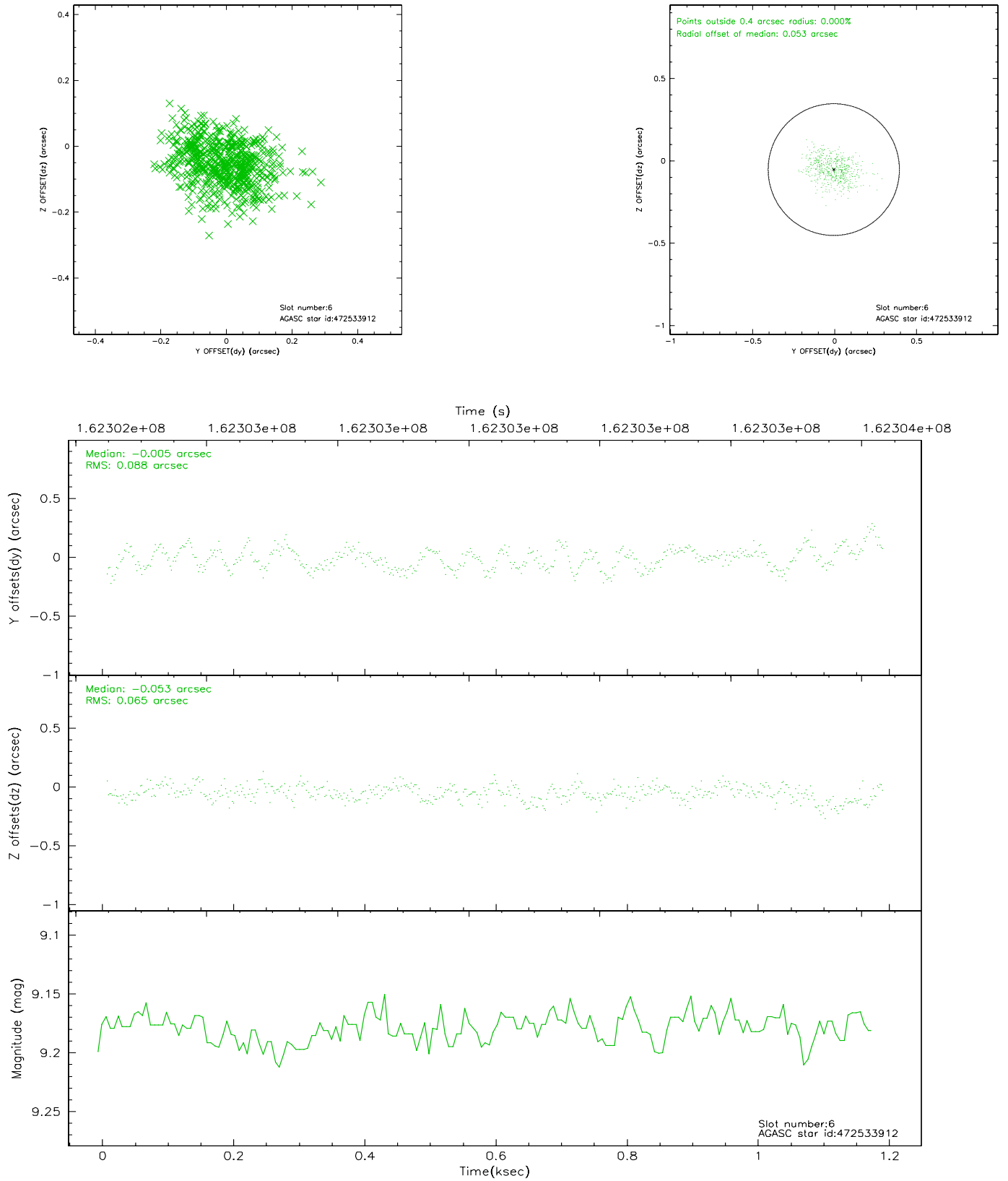
## 2.4.2 Slot 4



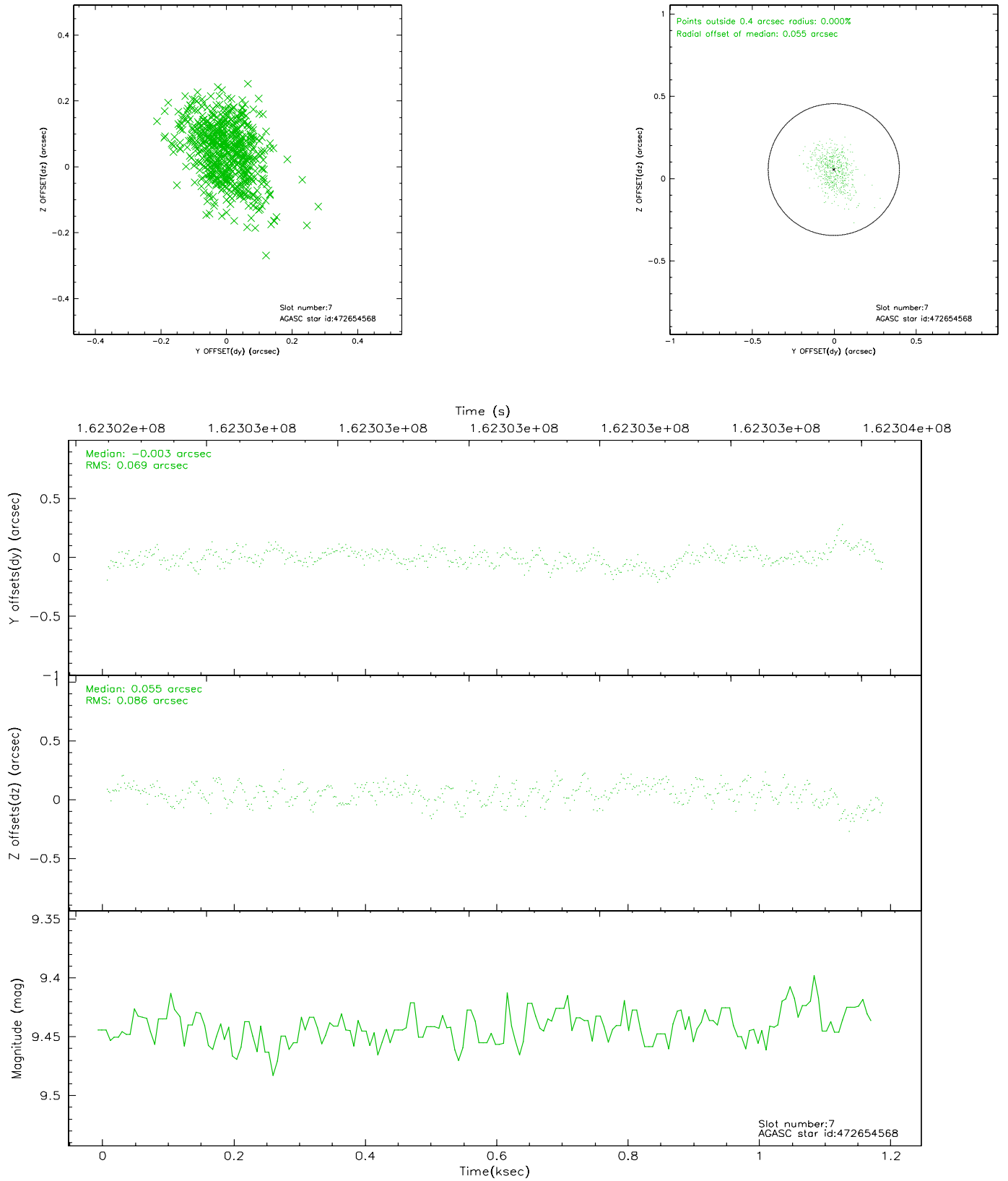
### 2.4.3 Slot 5



## 2.4.4 Slot 6

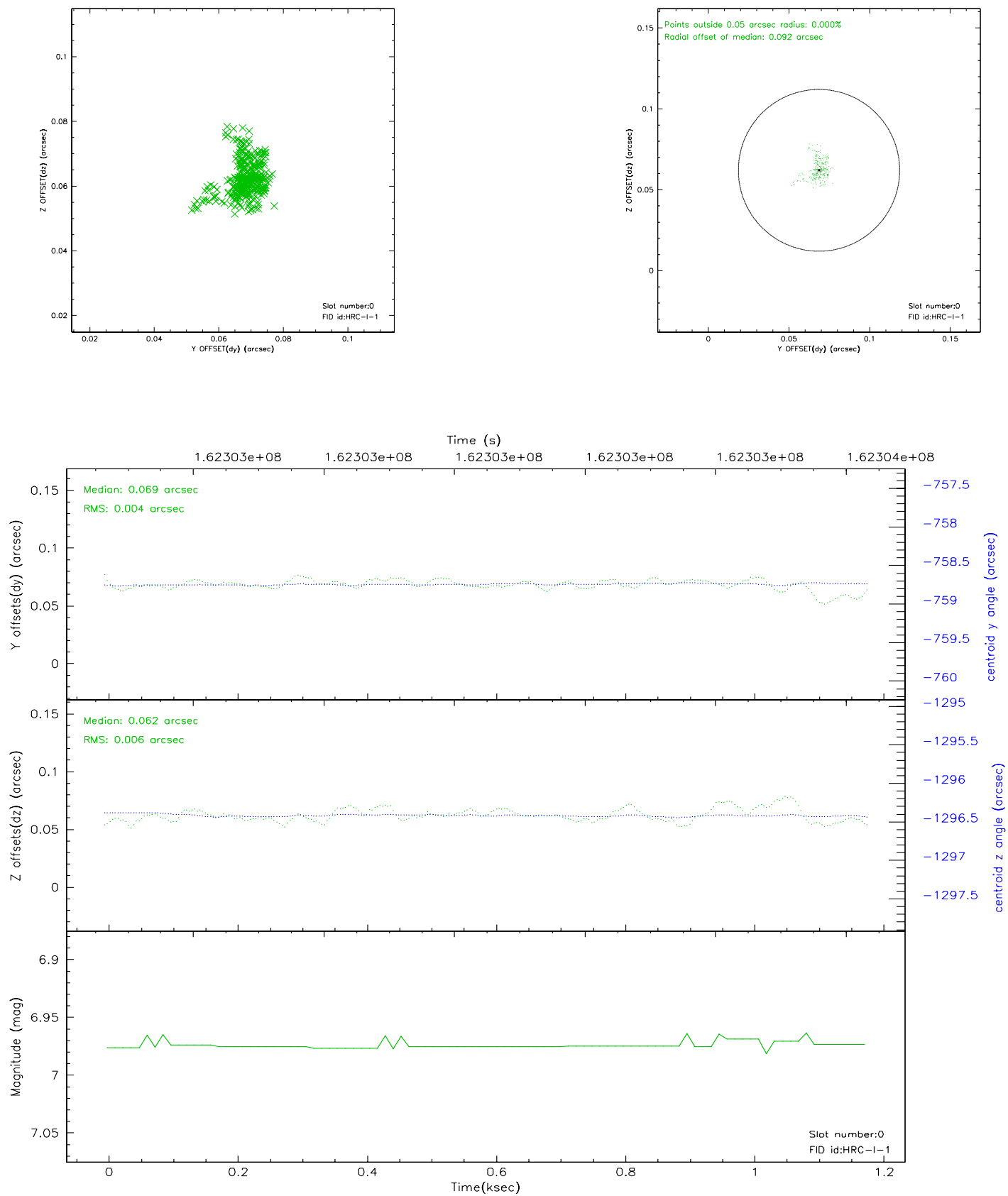


## 2.4.5 Slot 7

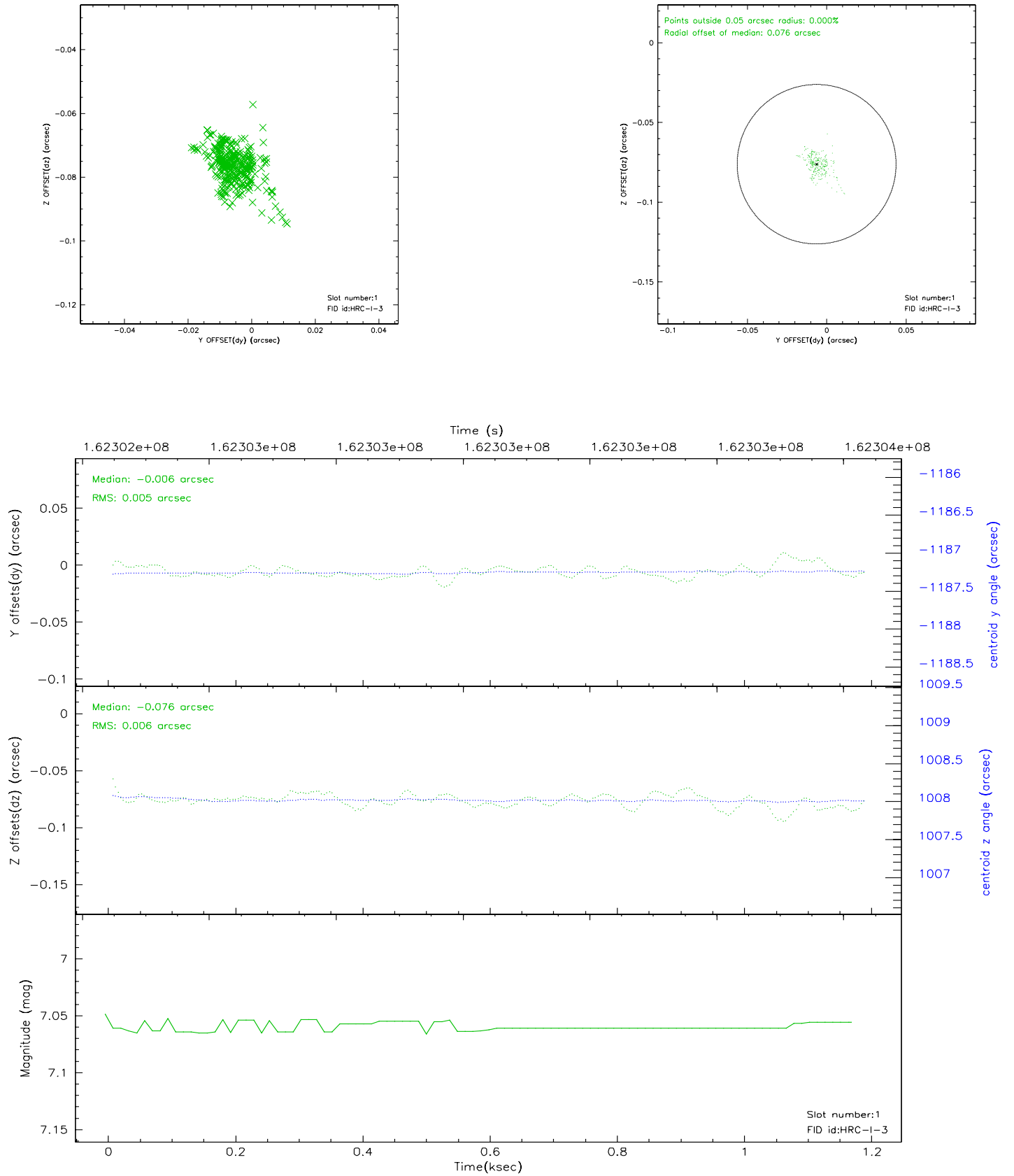


## 2.5 FID Slots

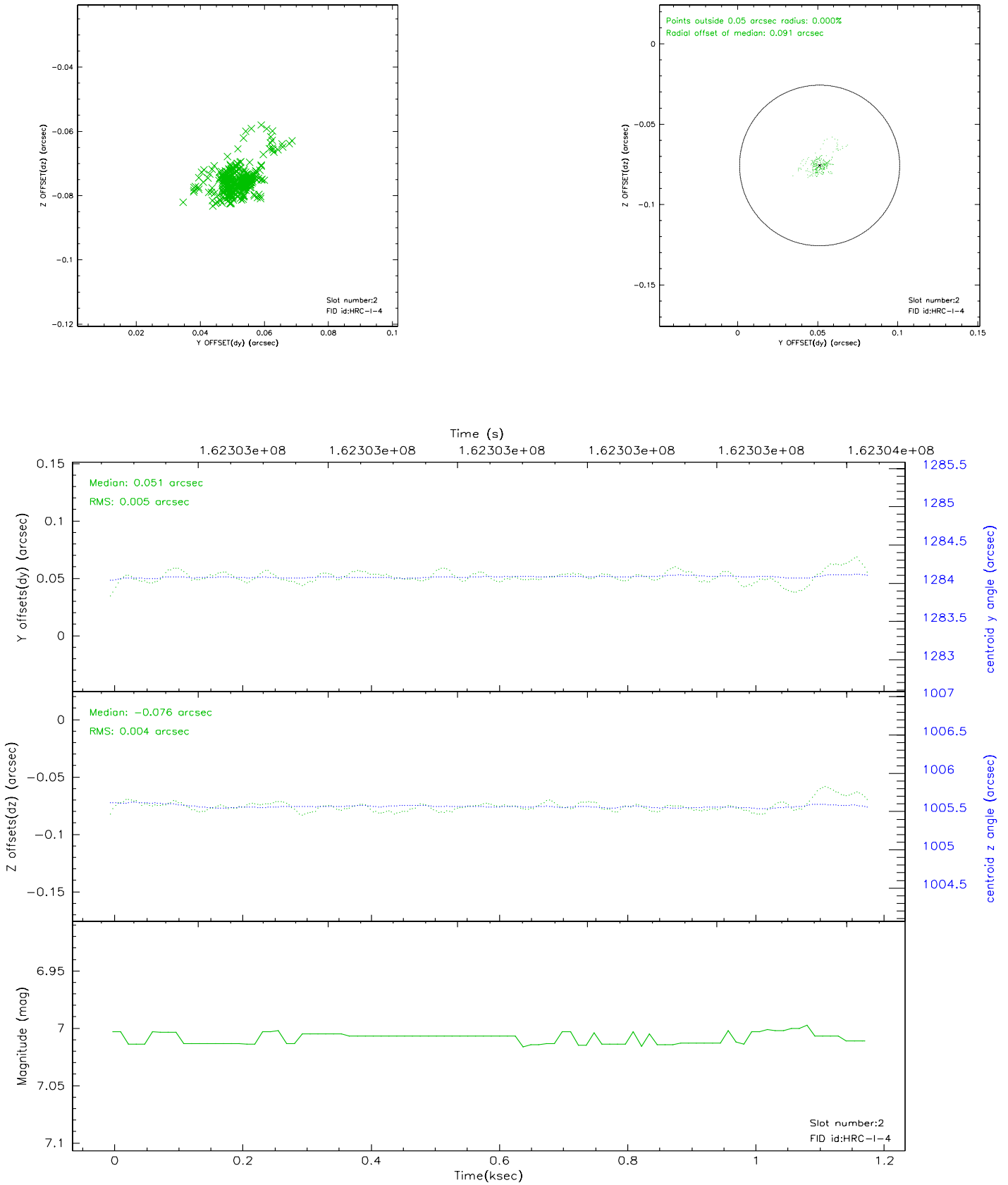
### 2.5.1 Slot 0



## 2.5.2 Slot 1

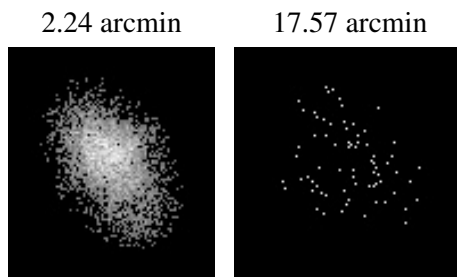


### 2.5.3 Slot 2





### 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	1.182

## 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.