

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2346 - L2 Version 5  
Chandra X-Ray Center

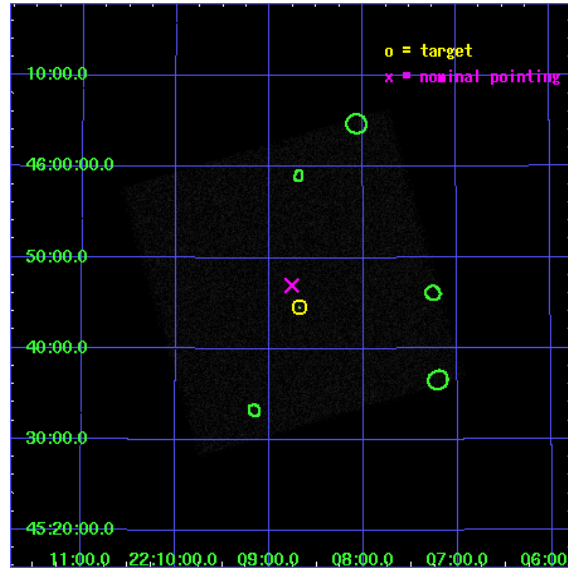
L2 Processing Date : Nov 20 2007

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# 1 Front

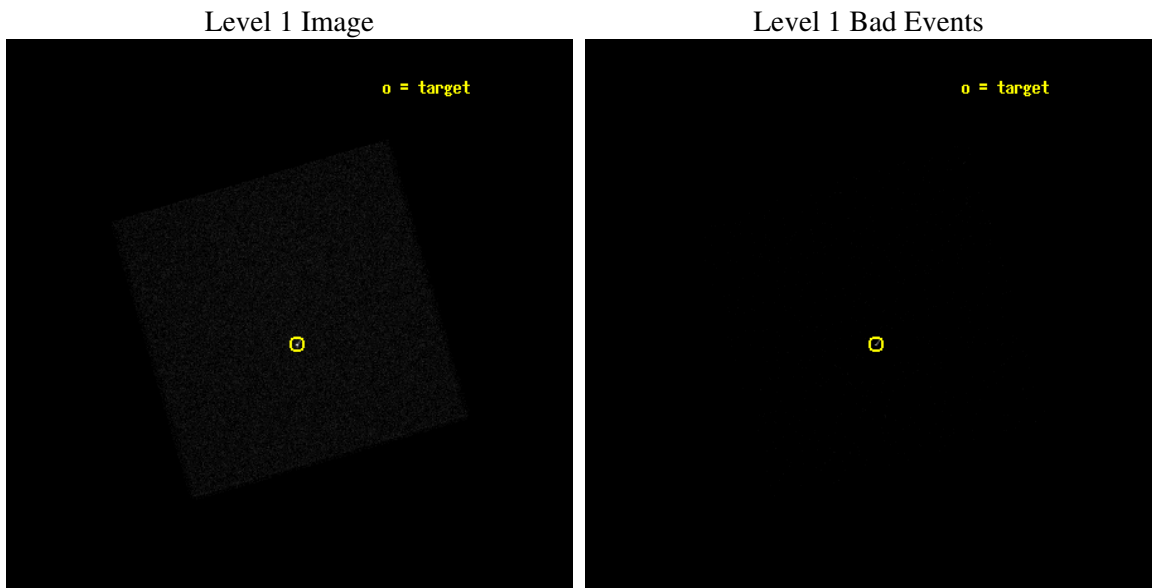
seq_num	290093
obs_id	2346
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.19036716408
dec_nom	45.783130141658
roll_nom	298.58073628549
revision	5
ontime	1198.4812958241
livetime	1189.5395955802
l2events	73438



## 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	2007-11-21T04:04:50
revision	4

sched_exp_time	1000.000000
ontime	1198.4812958241
l1events	119363

### 2.1.3 Events

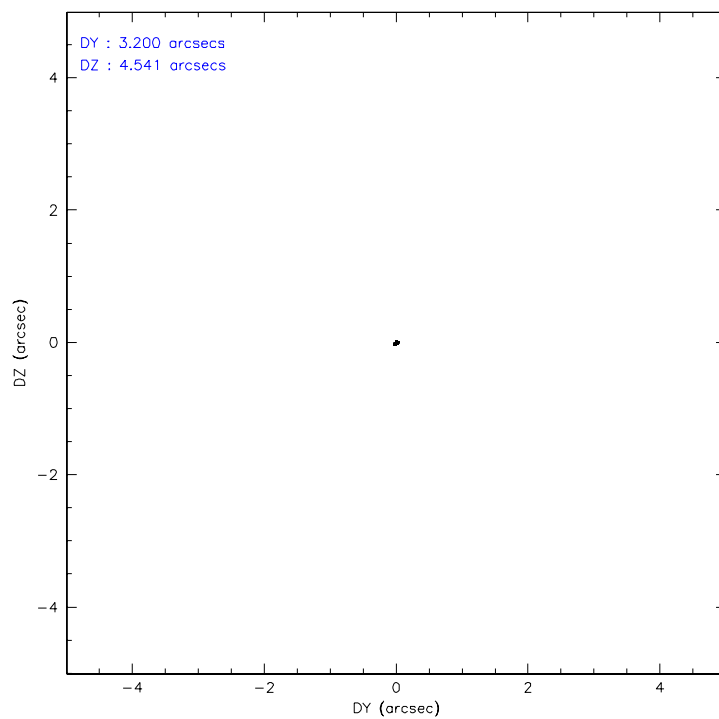
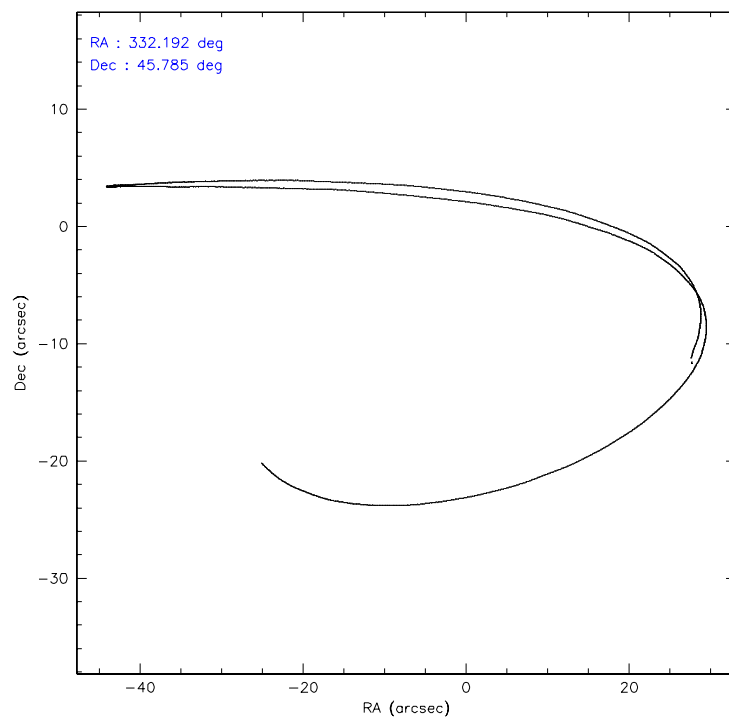
#### Level 1 Events

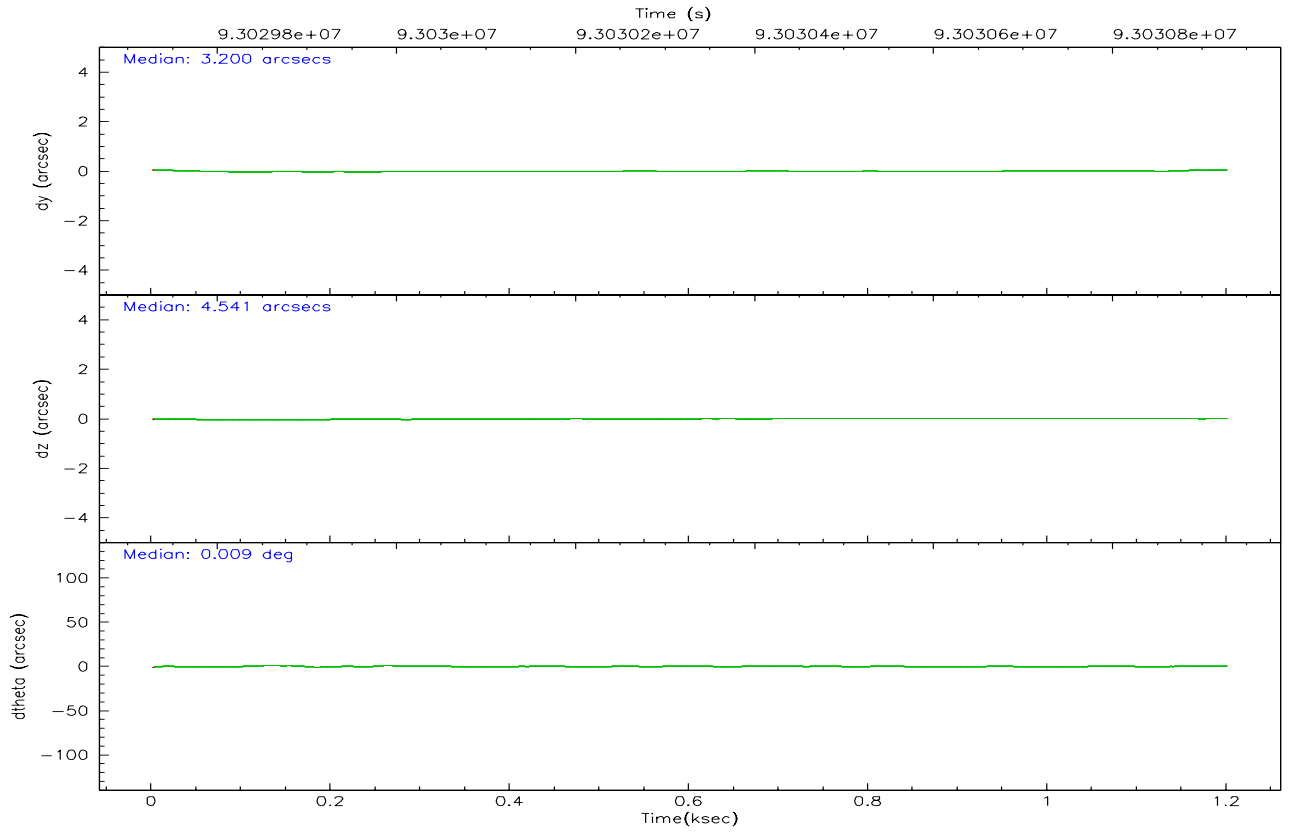
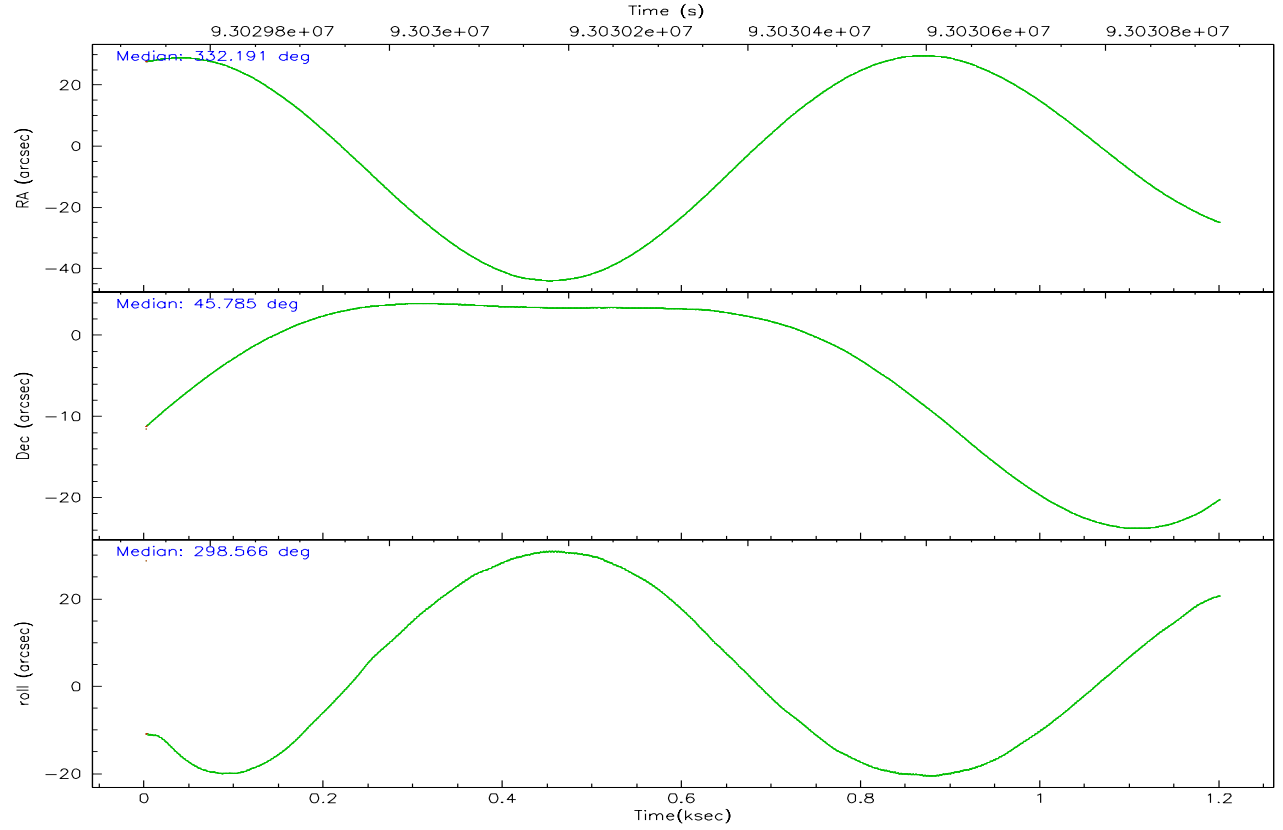
	<b>segment 0</b>
level 1 events	119363
rejected events	25649
rejected %	21%

## 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	332.155966	332.1903671640756			
Pointing Dec	45.796984	45.78313014165775			
Pointing Roll	298.700827	298.5807362854875			
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	93029931.184000	93029554.662569			
Observation start date	2000-12-12T17:37:47	2000-12-12T17:32:34			
Observation end time	93030931.184000	93031064.487627			
Observation end date	2000-12-12T17:54:27	2000-12-12T17:57:44			

## 2.3 Aspect





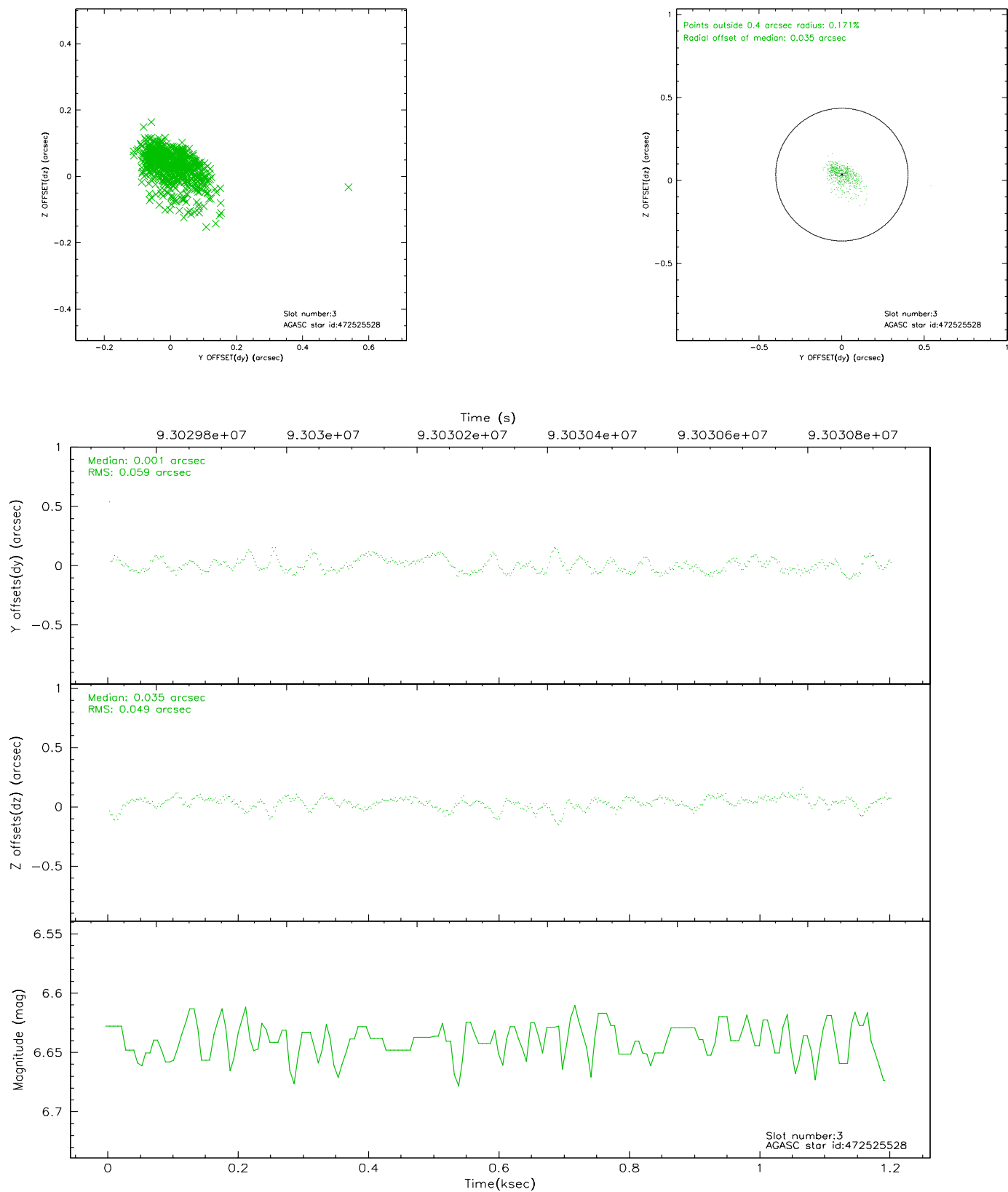
### Slot Statistics

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	293	0.053	0.069	0.006	0.011	0.000000	0.000000	-758.63	-1292.29
1	FID	HRC-I-3	7.05	293	0.028	-0.096	0.007	0.013	0.000000	0.000000	-1189.72	1007.70
2	FID	HRC-I-4	6.98	293	0.032	-0.062	0.006	0.010	0.000000	0.000000	1280.09	1013.18
3	GUIDE	472525528	6.64	586	0.001	0.035	0.074	0.129	331.551102	45.248694	989.16	-2292.20
4	GUIDE	472523760	8.23	586	-0.030	-0.109	0.061	0.122	331.645363	45.403260	620.50	-1817.26
5	GUIDE	472665256	9.01	586	-0.084	-0.080	0.072	0.117	332.808125	46.195041	-483.33	2110.93
6	GUIDE	472659832	9.46	586	0.035	0.063	0.103	0.168	332.780399	46.098139	-210.42	1891.85
7	GUIDE	472655152	9.43	585	0.073	0.109	0.085	0.135	332.504239	45.862991	207.26	881.60

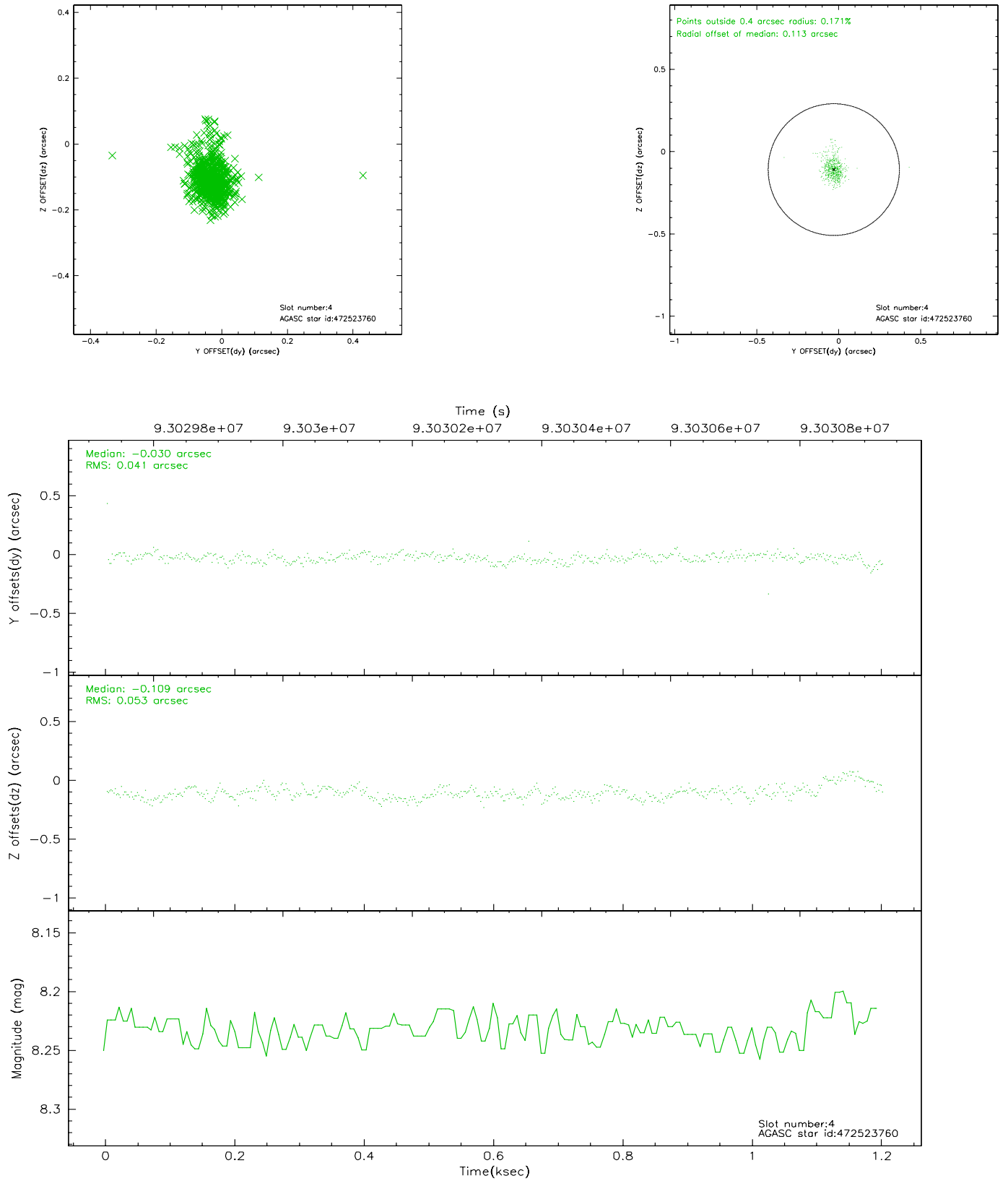


## 2.4 Star Slots

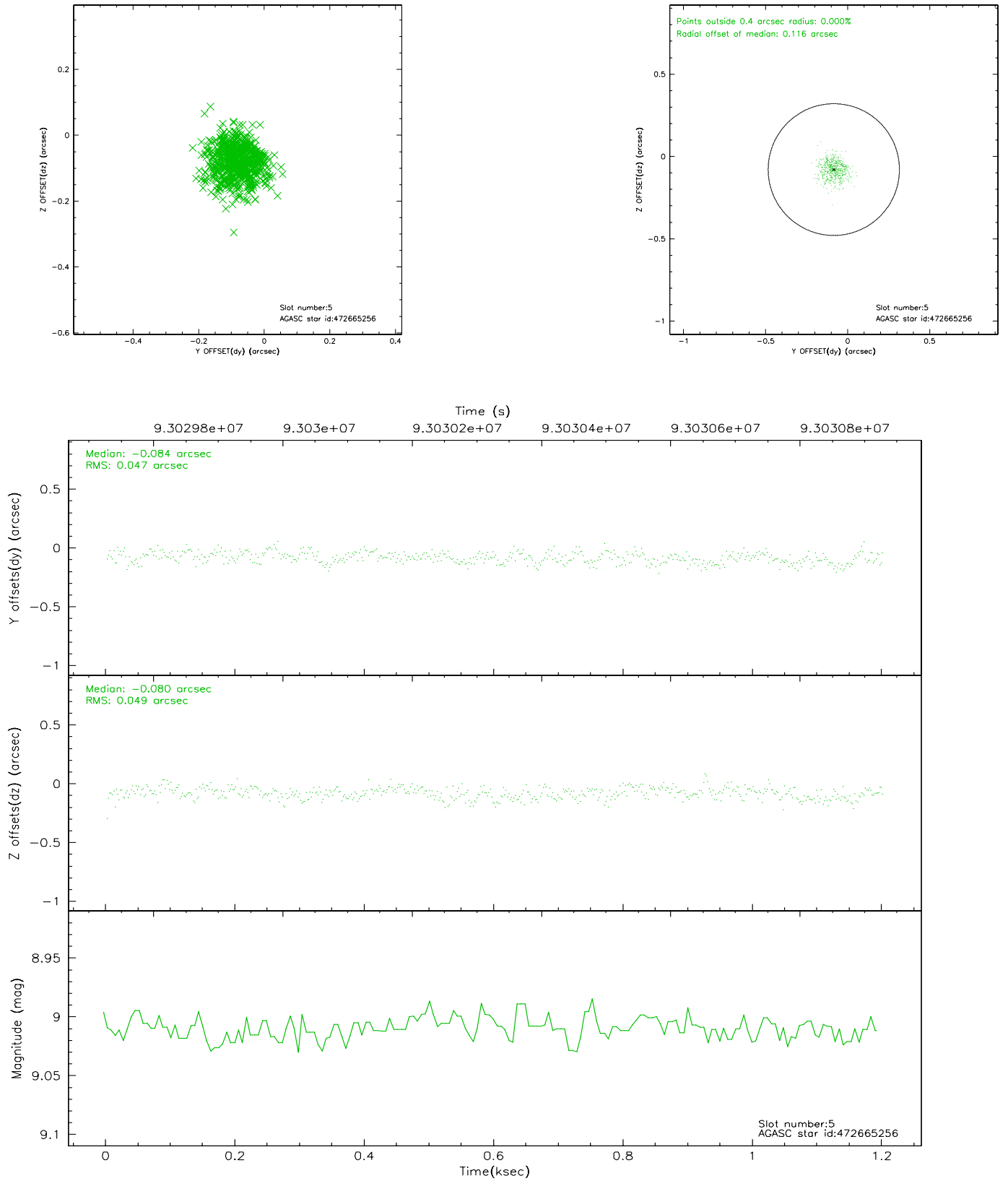
### 2.4.1 Slot 3



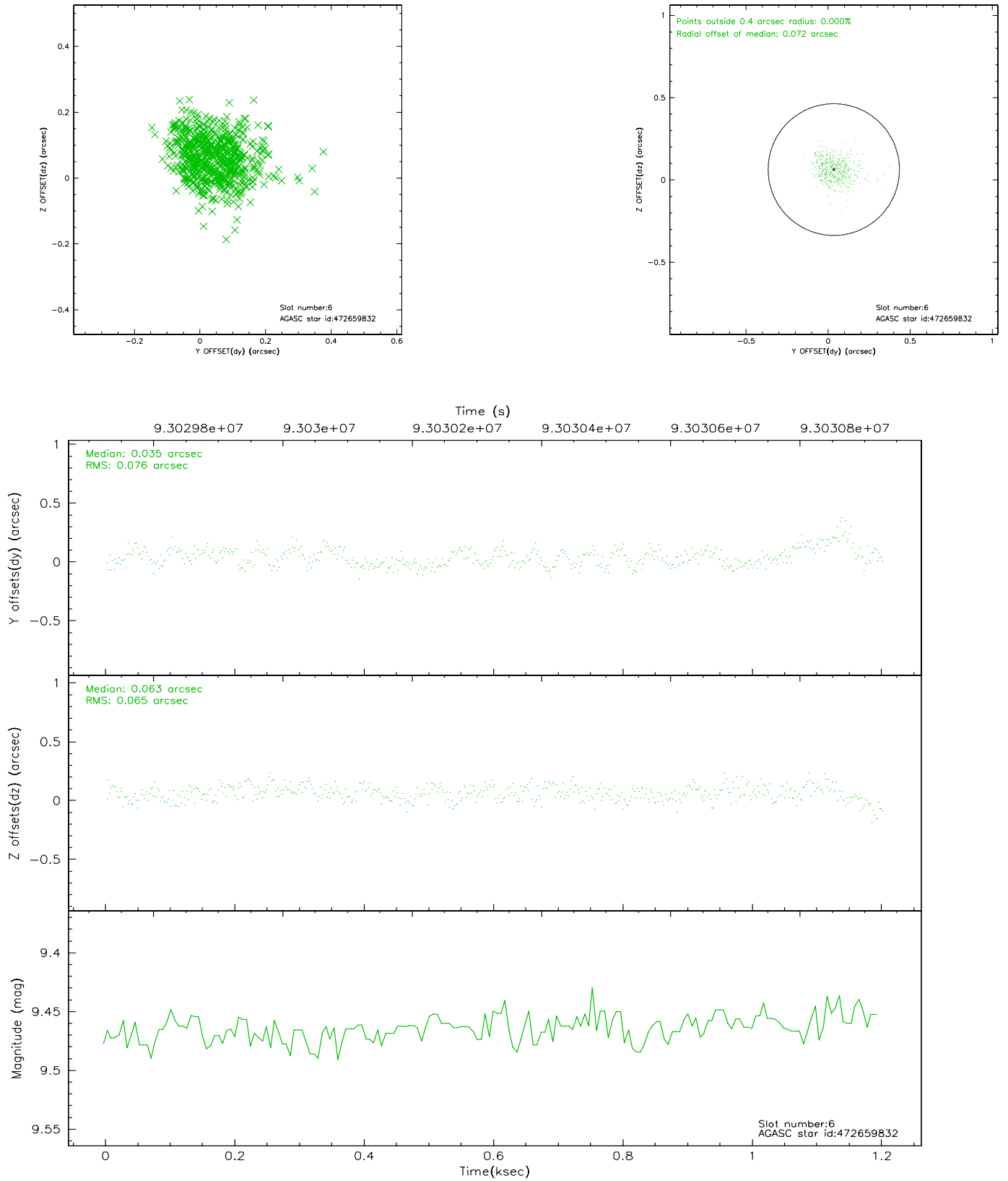
## 2.4.2 Slot 4



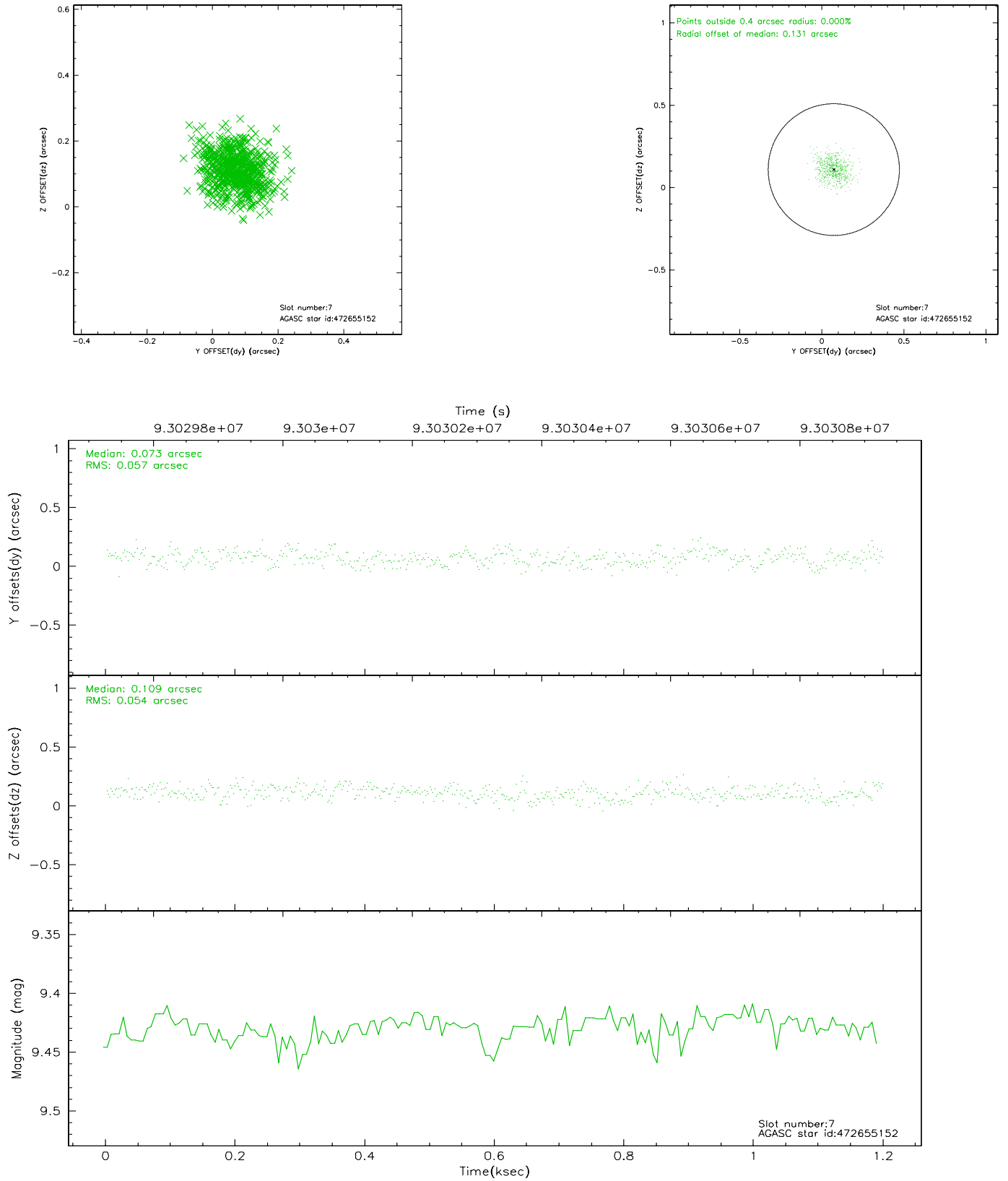
### 2.4.3 Slot 5



## 2.4.4 Slot 6

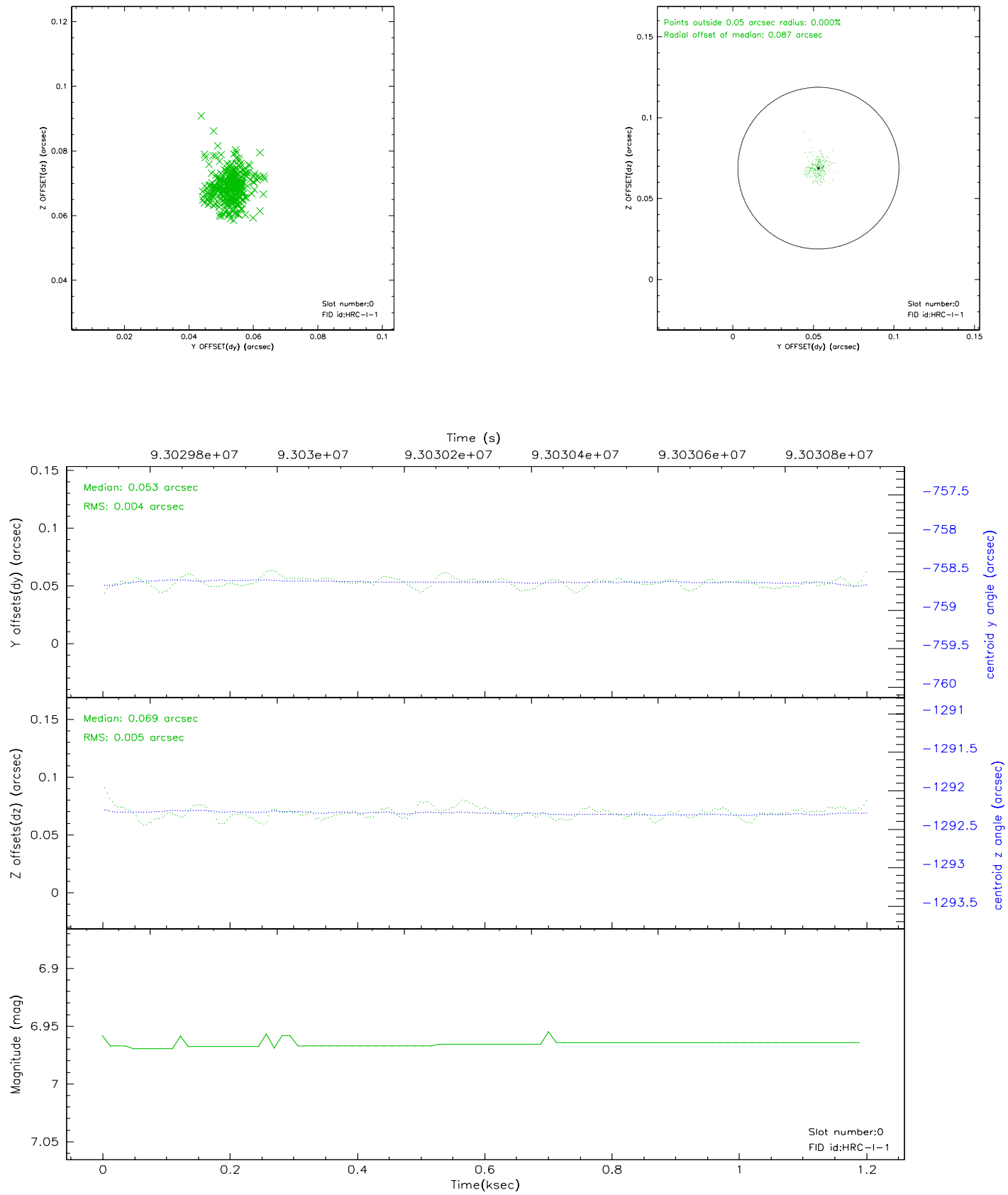


## 2.4.5 Slot 7

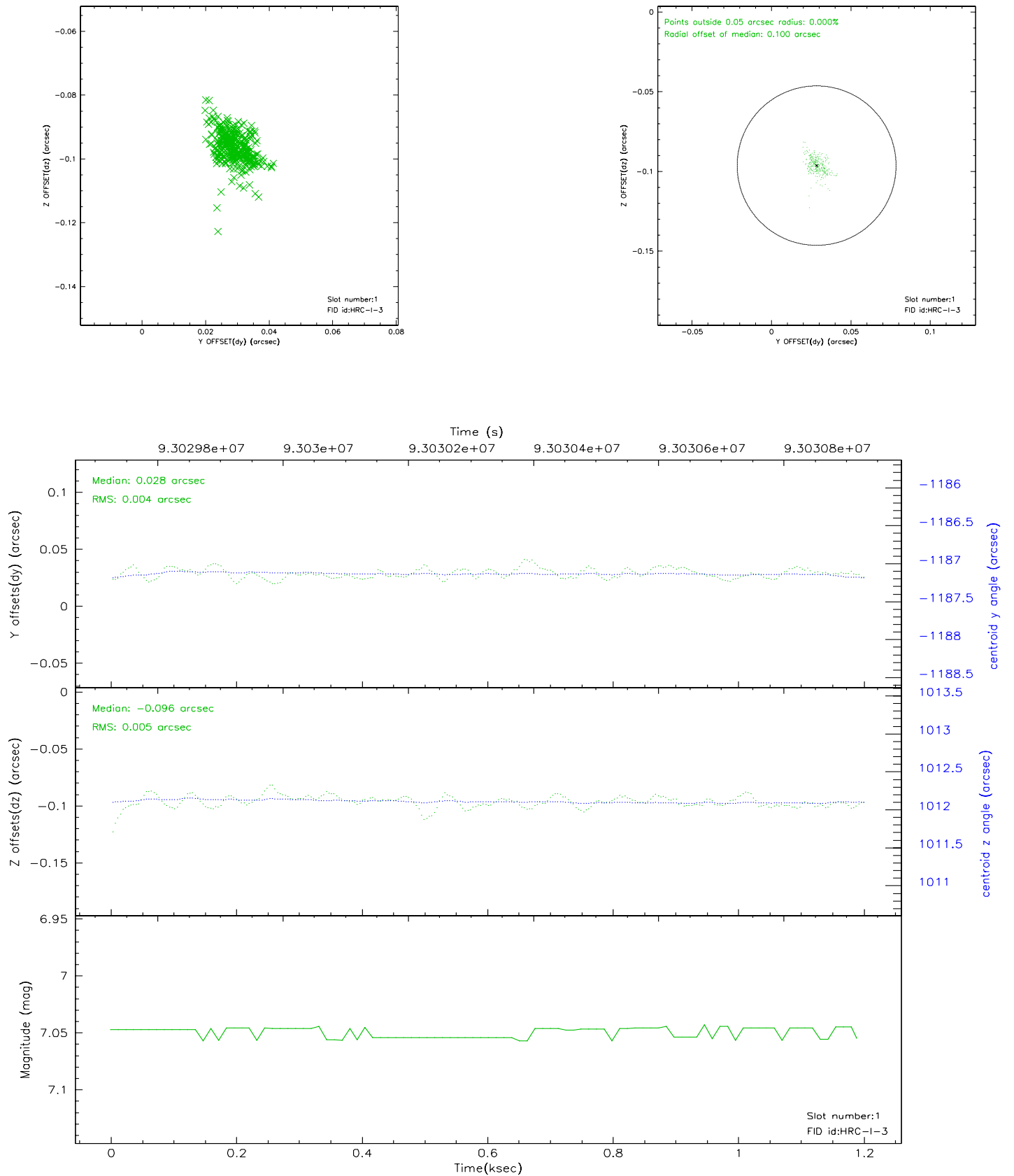


# 2.5 FID Slots

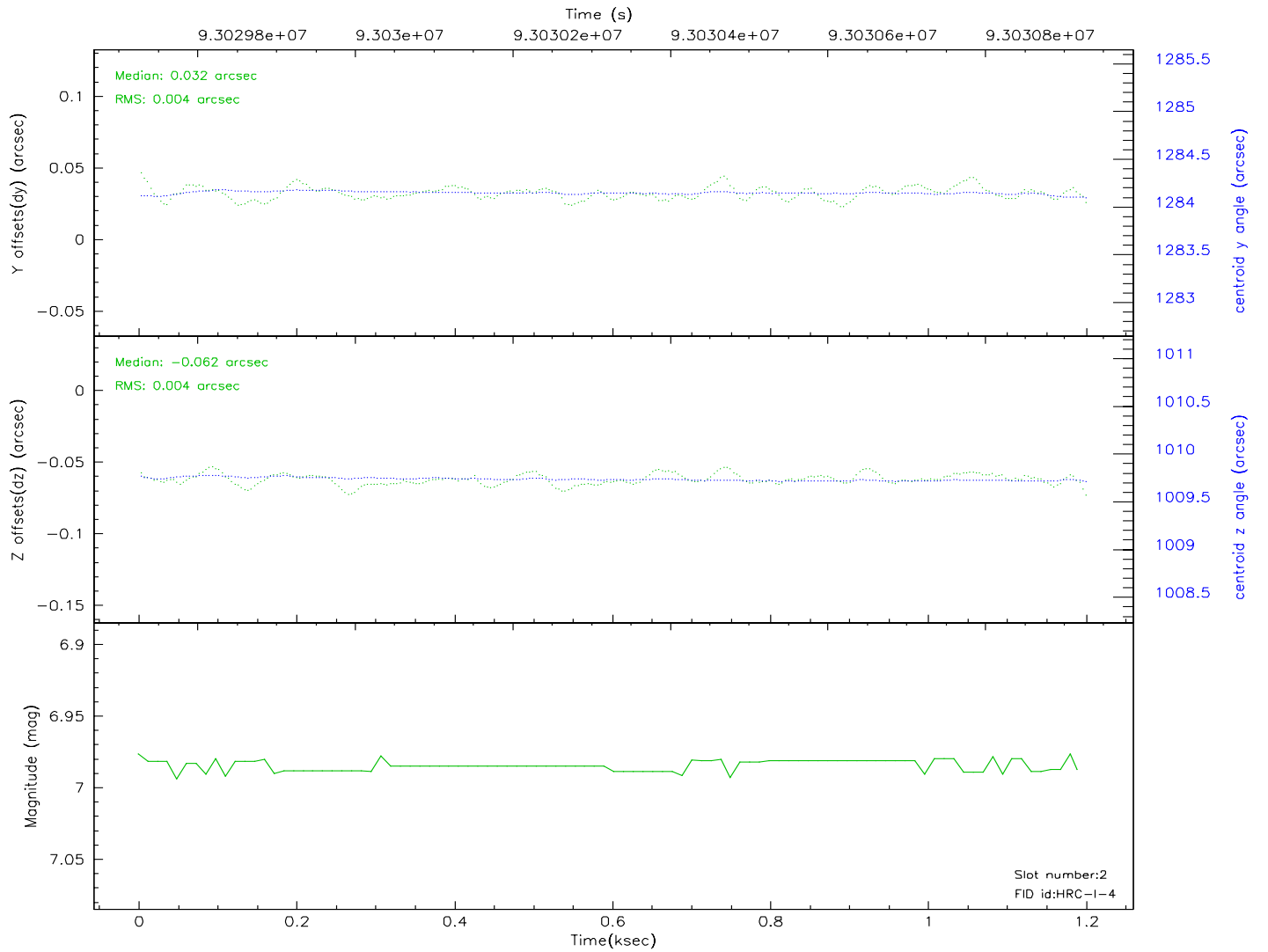
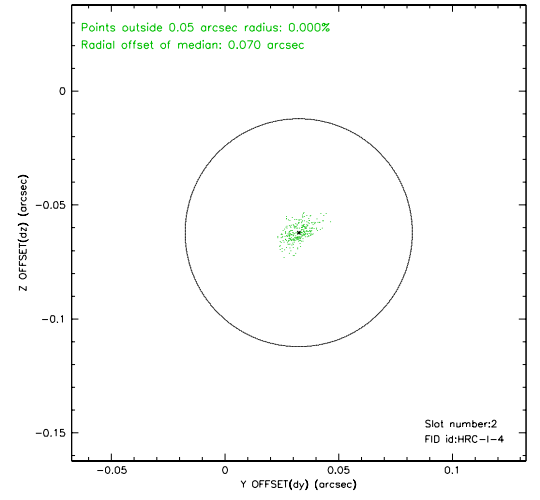
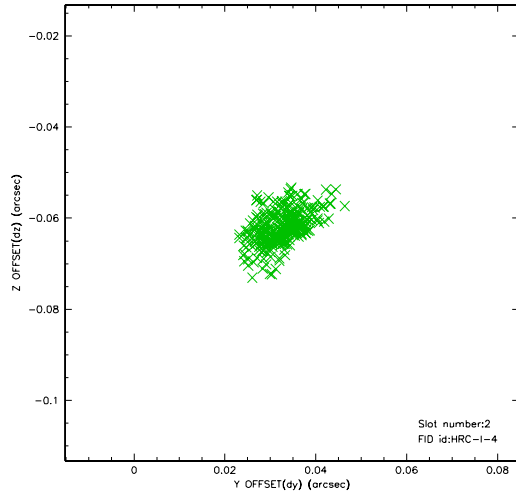
## 2.5.1 Slot 0



## 2.5.2 Slot 1

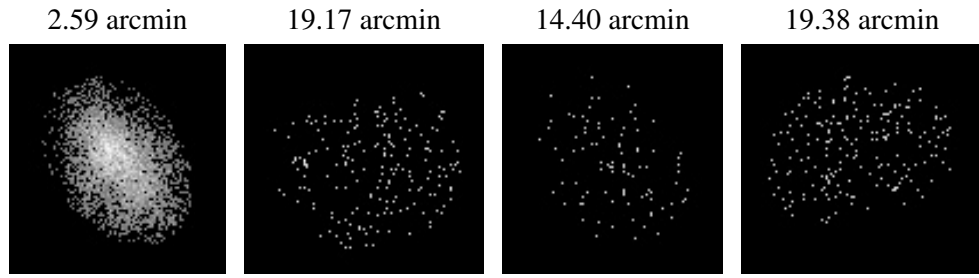


## 2.5.3 Slot 2





### 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	1.198

## 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.