

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2352 - L2 Version 4  
Chandra X-Ray Center

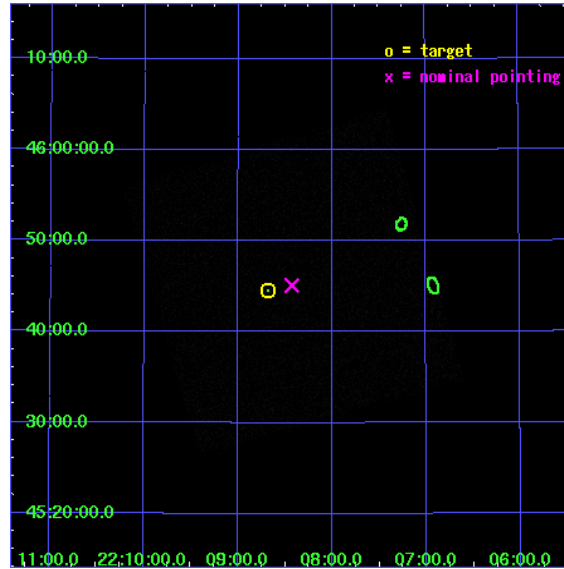
L2 Processing Date : Nov 21 2007

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# 1 Front

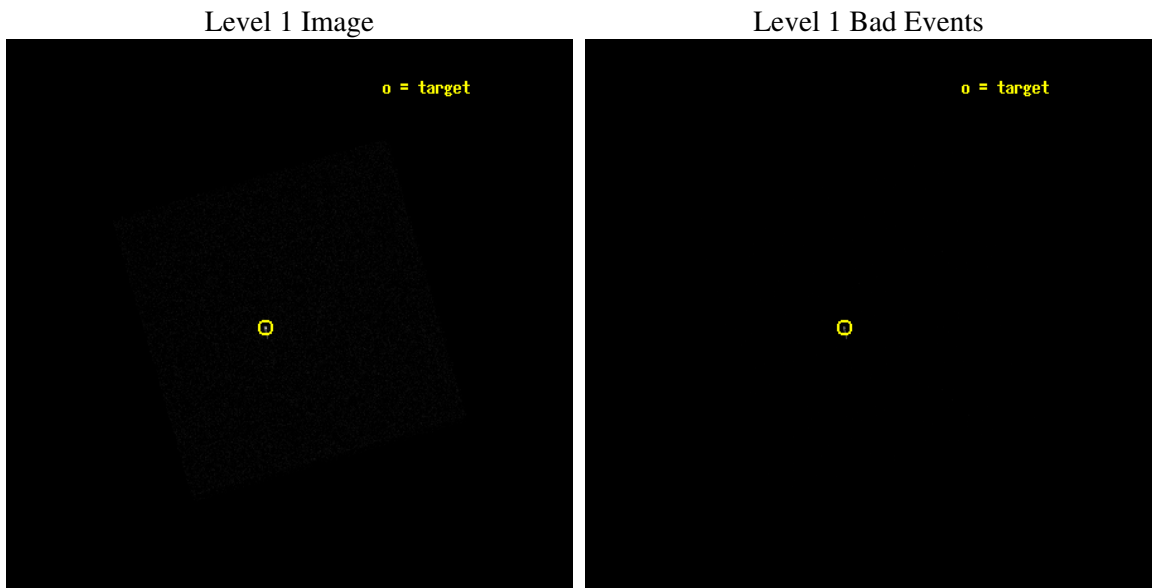
seq_num	290099
obs_id	2352
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.10681393475
dec_nom	45.752125858155
roll_nom	298.72706107119
revision	4
ontime	1202.5812959671
livetime	1196.7108981428
l2events	34232



## 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	2007-11-21T04:47:00
revision	4

sched_exp_time	1000.000000
ontime	1202.5812959671
l1events	59718

### 2.1.3 Events

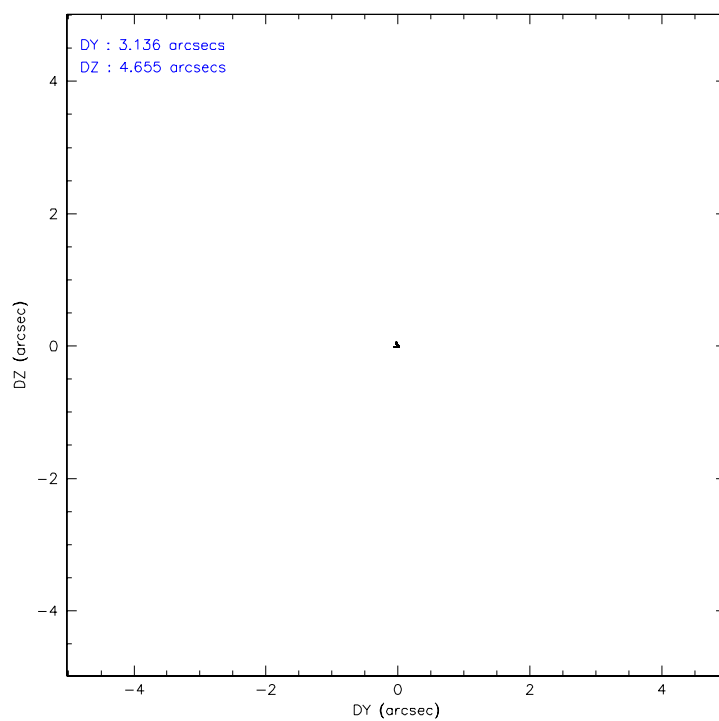
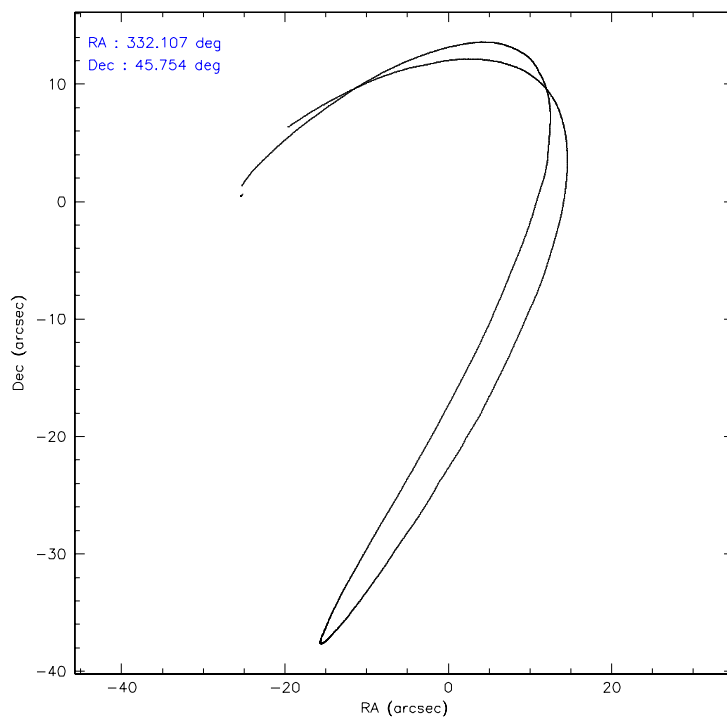
#### Level 1 Events

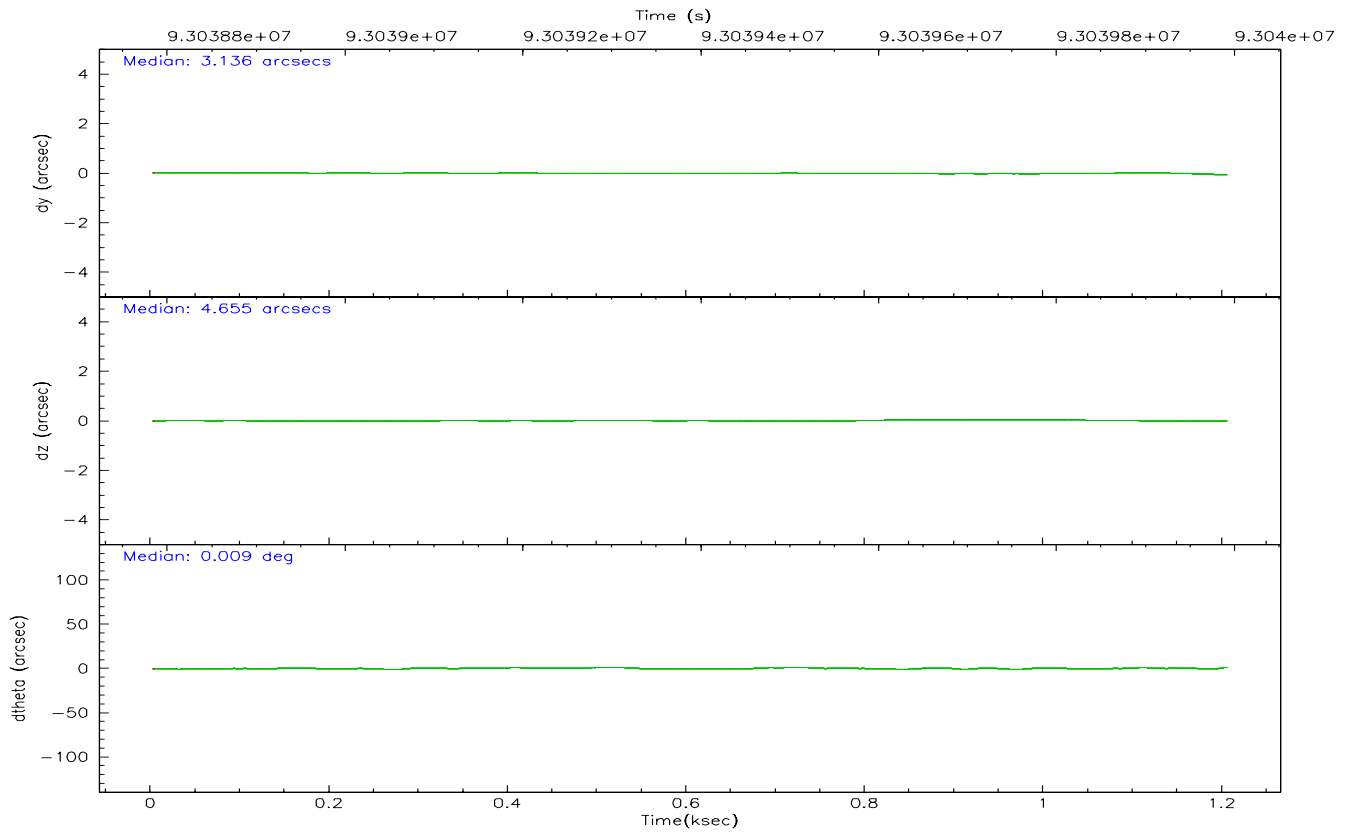
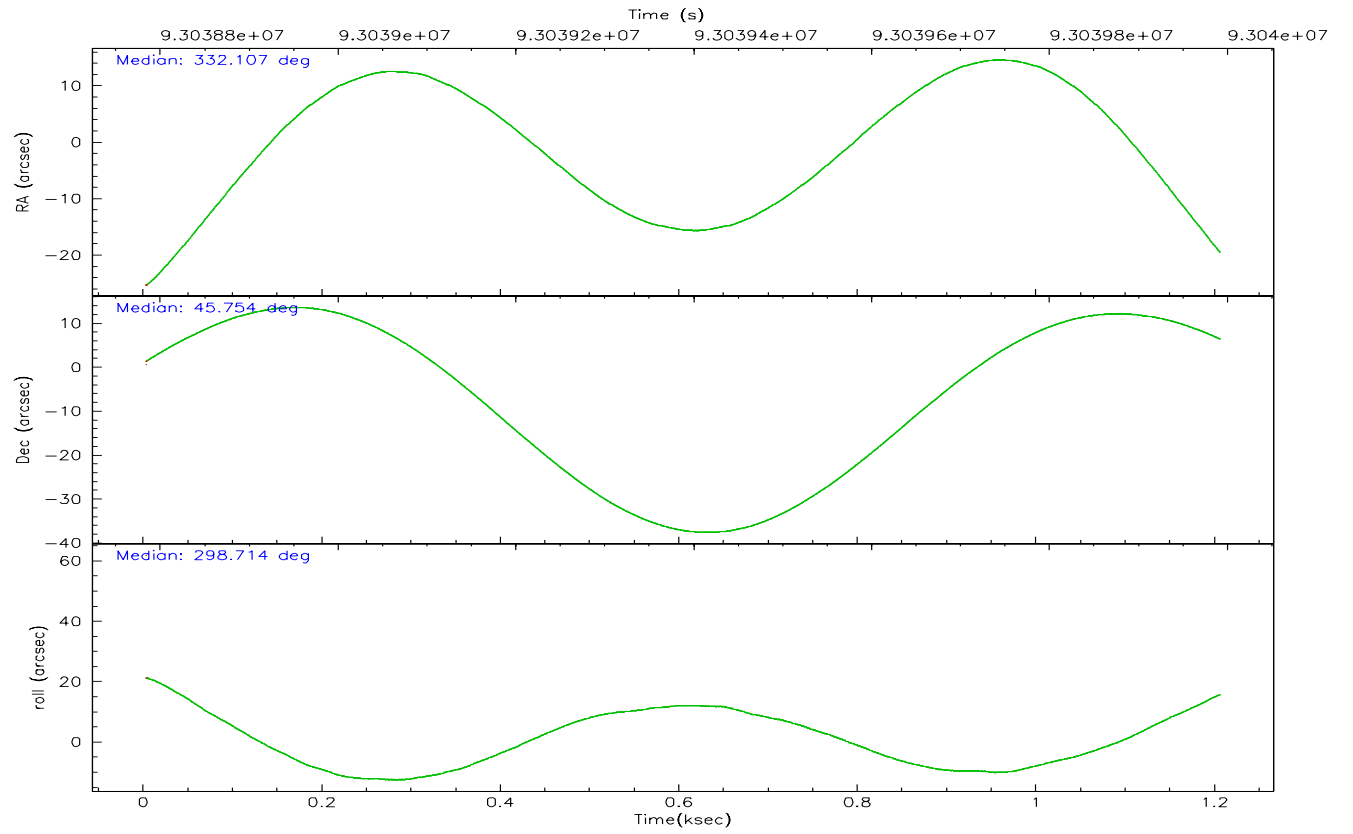
	<b>segment 0</b>
level 1 events	59718
rejected events	12054
rejected %	20%

## 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	332.072084	332.1068139347487			
Pointing Dec	45.764841	45.75212585815509			
Pointing Roll	298.847435	298.7270610711878			
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	93038991.184000	93038614.637915			
Observation start date	2000-12-12T20:08:47	2000-12-12T20:03:34			
Observation end time	93039991.184000	93040124.462973			
Observation end date	2000-12-12T20:25:27	2000-12-12T20:28:44			

## 2.3 Aspect





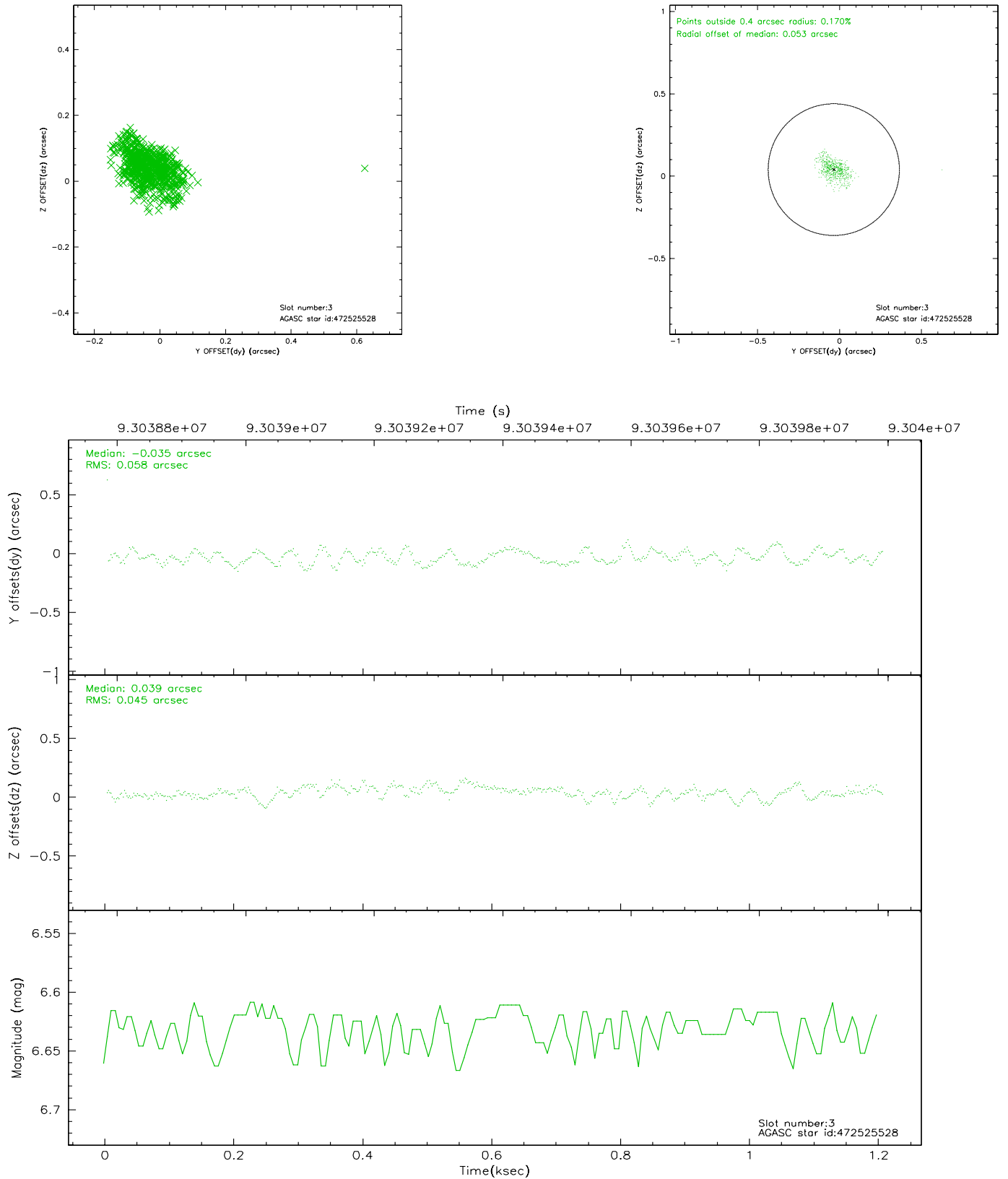
### Slot Statistics

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	294	0.048	0.066	0.006	0.010	0.000000	0.000000	-758.57	-1292.42
1	FID	HRC-I-3	7.05	294	0.028	-0.098	0.006	0.011	0.000000	0.000000	-1189.65	1007.59
2	FID	HRC-I-4	6.99	294	0.039	-0.057	0.005	0.009	0.000000	0.000000	1280.18	1013.04
3	GUIDE	472525528	6.63	588	-0.035	0.039	0.072	0.121	331.551102	45.248694	989.04	-2055.80
4	GUIDE	472523760	8.23	588	-0.064	-0.115	0.054	0.087	331.645363	45.403260	621.12	-1579.90
5	GUIDE	472665256	9.01	588	-0.112	-0.131	0.090	0.141	332.808125	46.195041	-476.69	2349.93
6	GUIDE	472659832	9.47	588	0.035	0.050	0.099	0.151	332.780399	46.098139	-204.09	2130.45
7	GUIDE	472646552	9.63	587	0.180	0.162	0.115	0.178	333.120915	45.571877	1869.84	1987.47

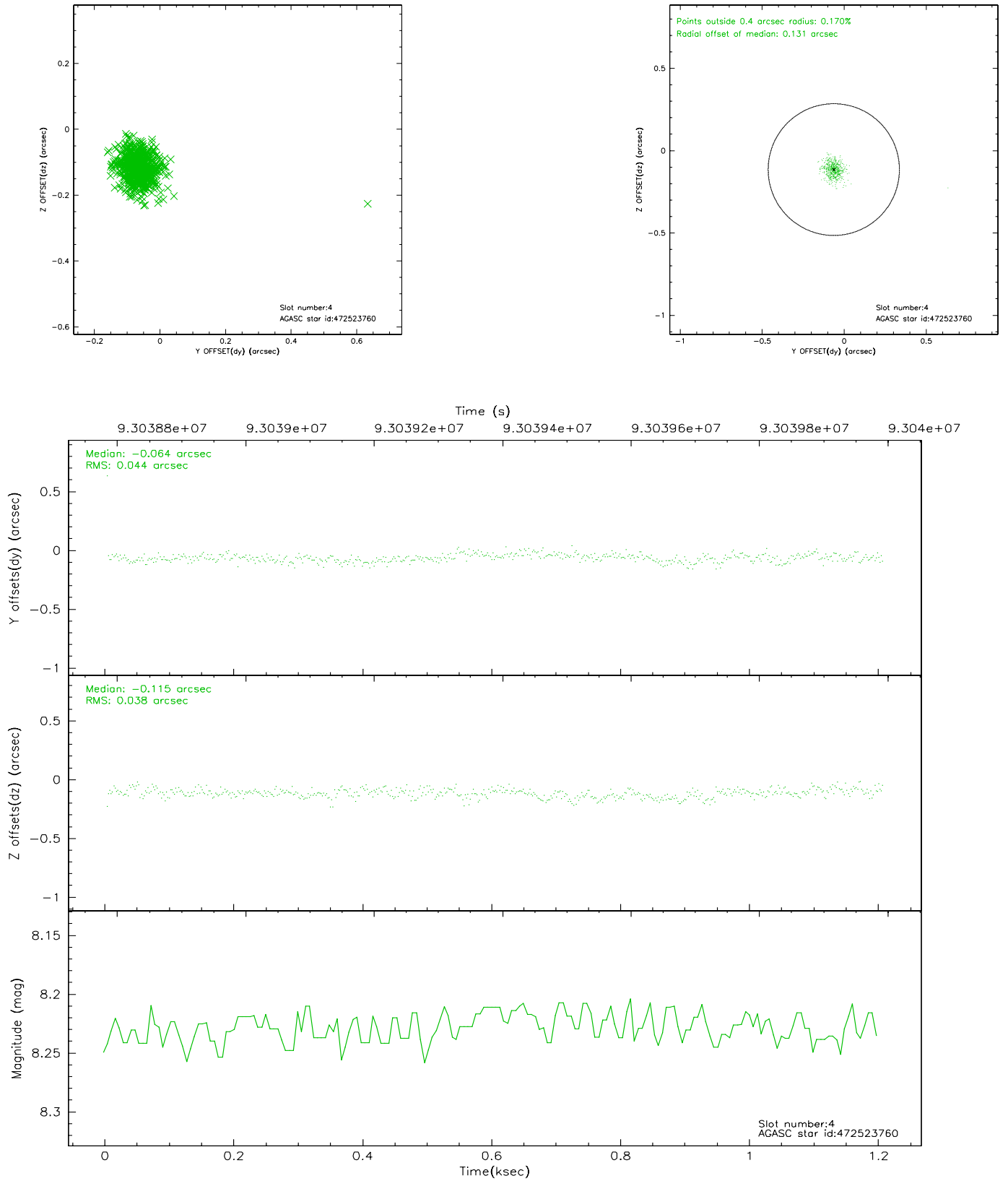


## 2.4 Star Slots

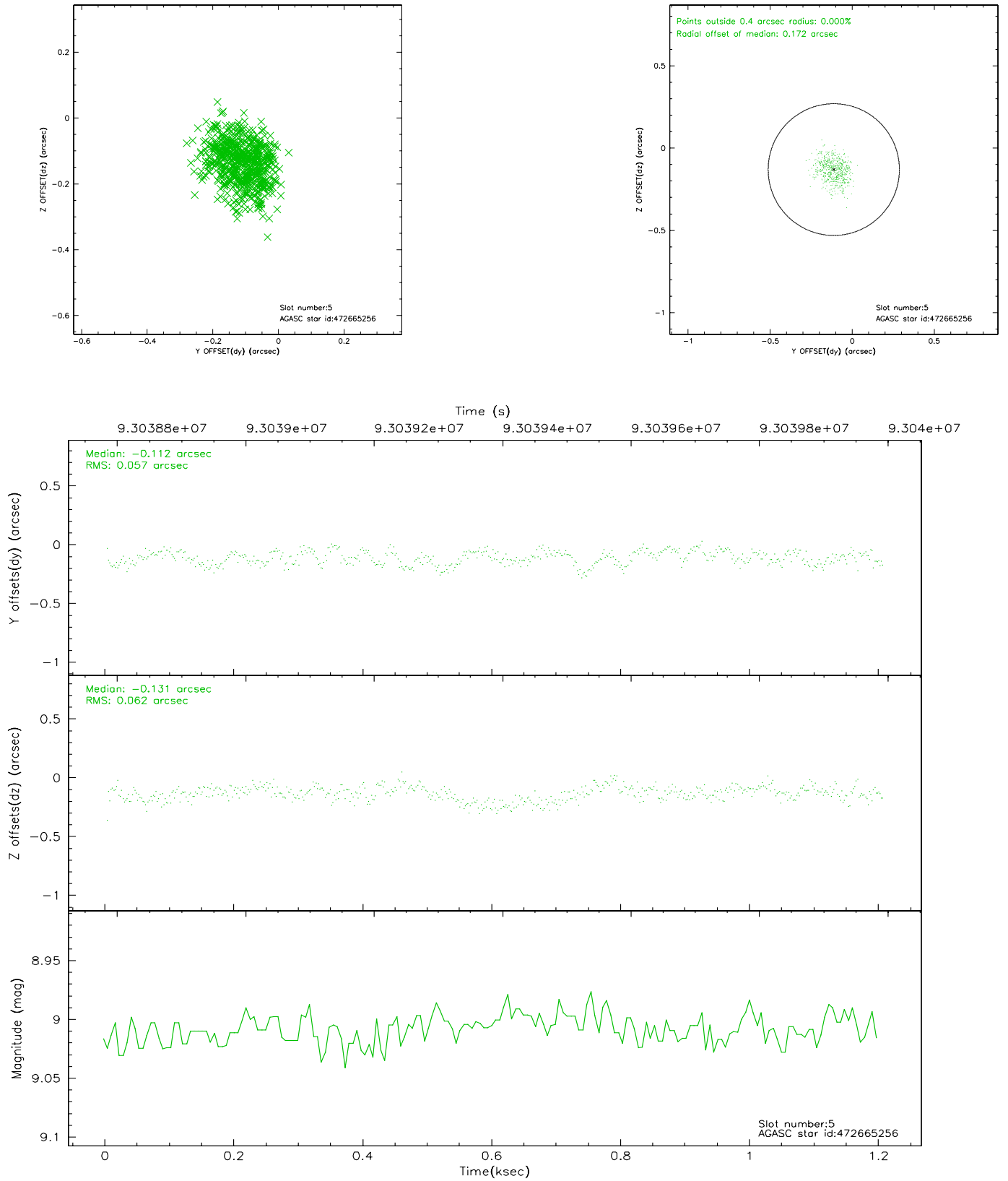
### 2.4.1 Slot 3



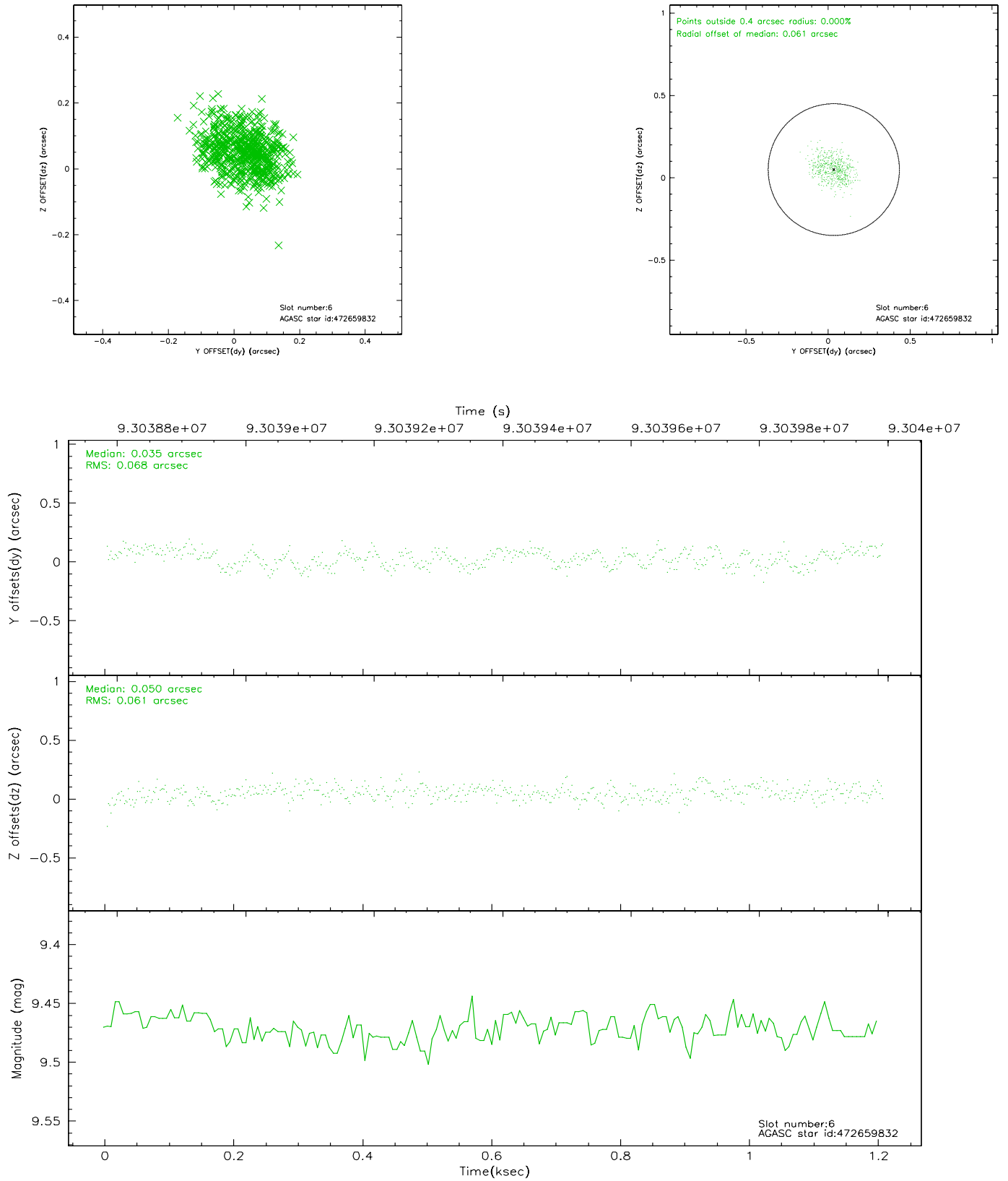
## 2.4.2 Slot 4



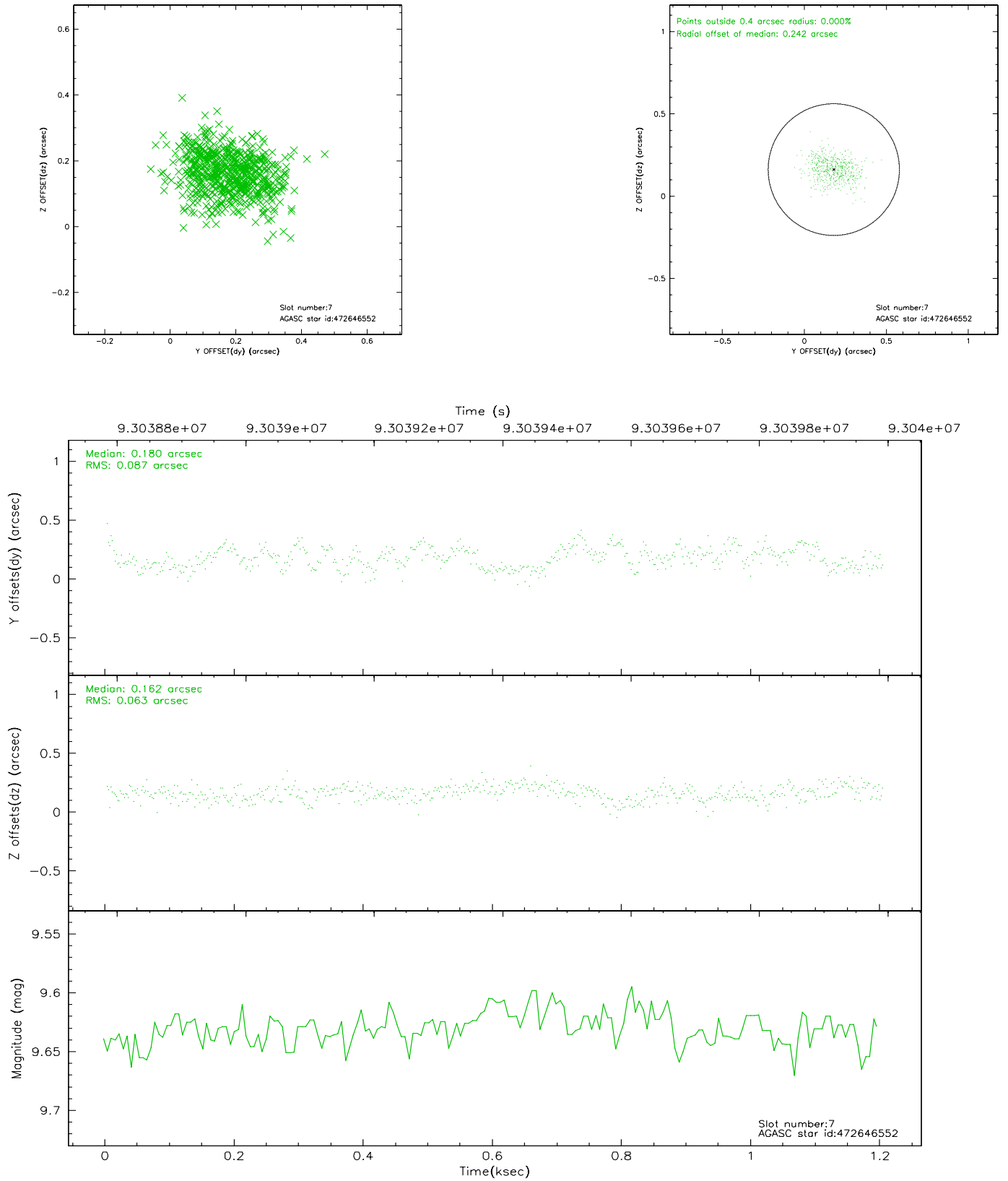
### 2.4.3 Slot 5



## 2.4.4 Slot 6

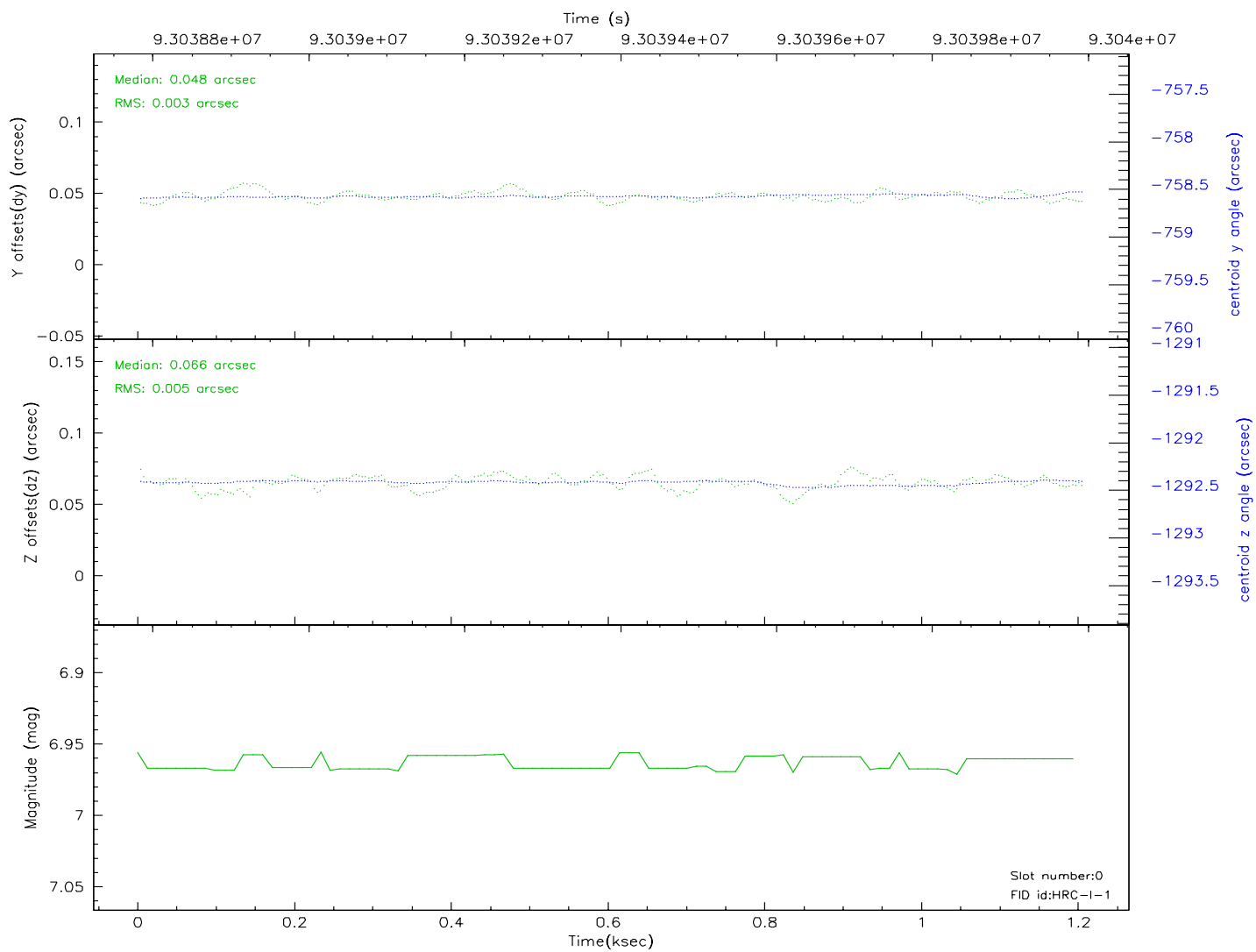
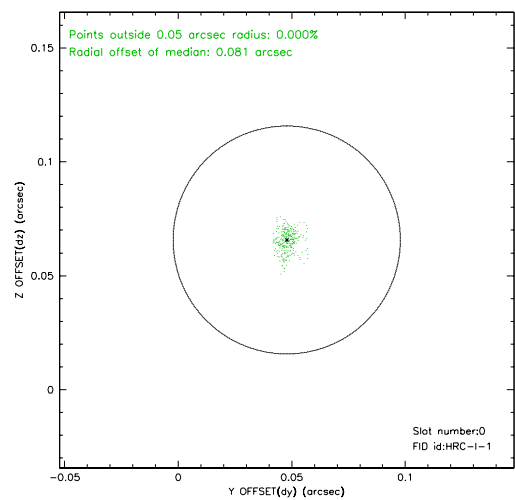
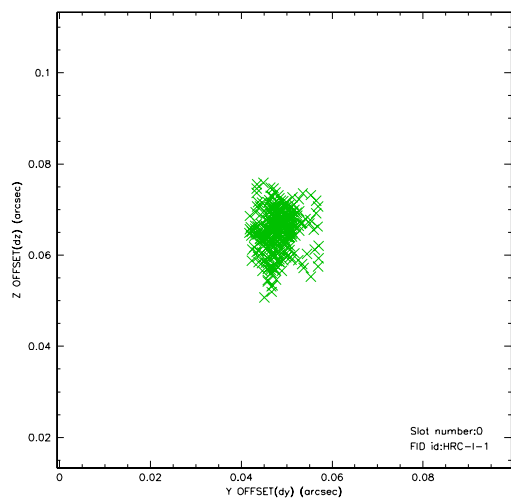


## 2.4.5 Slot 7

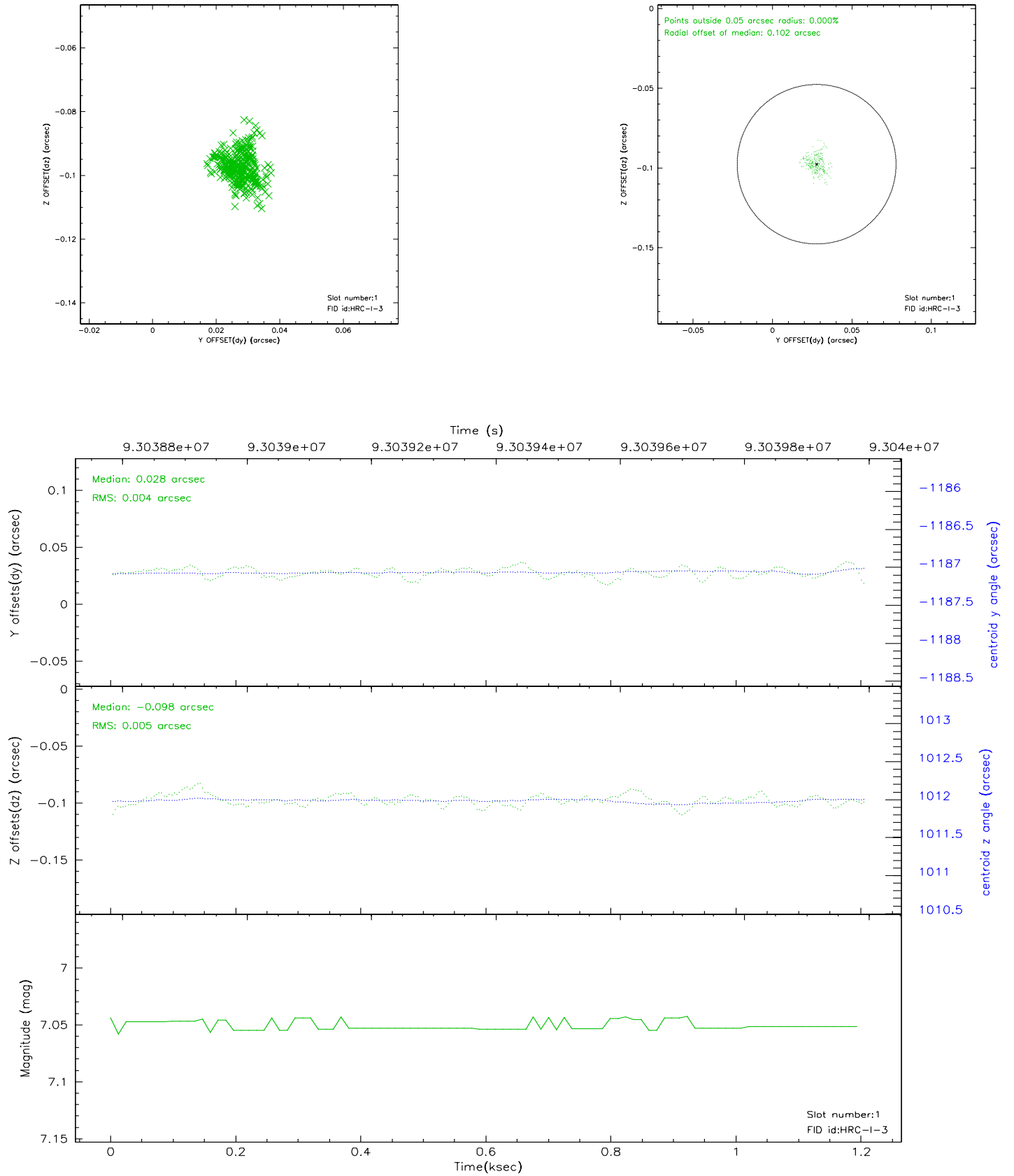


## 2.5 FID Slots

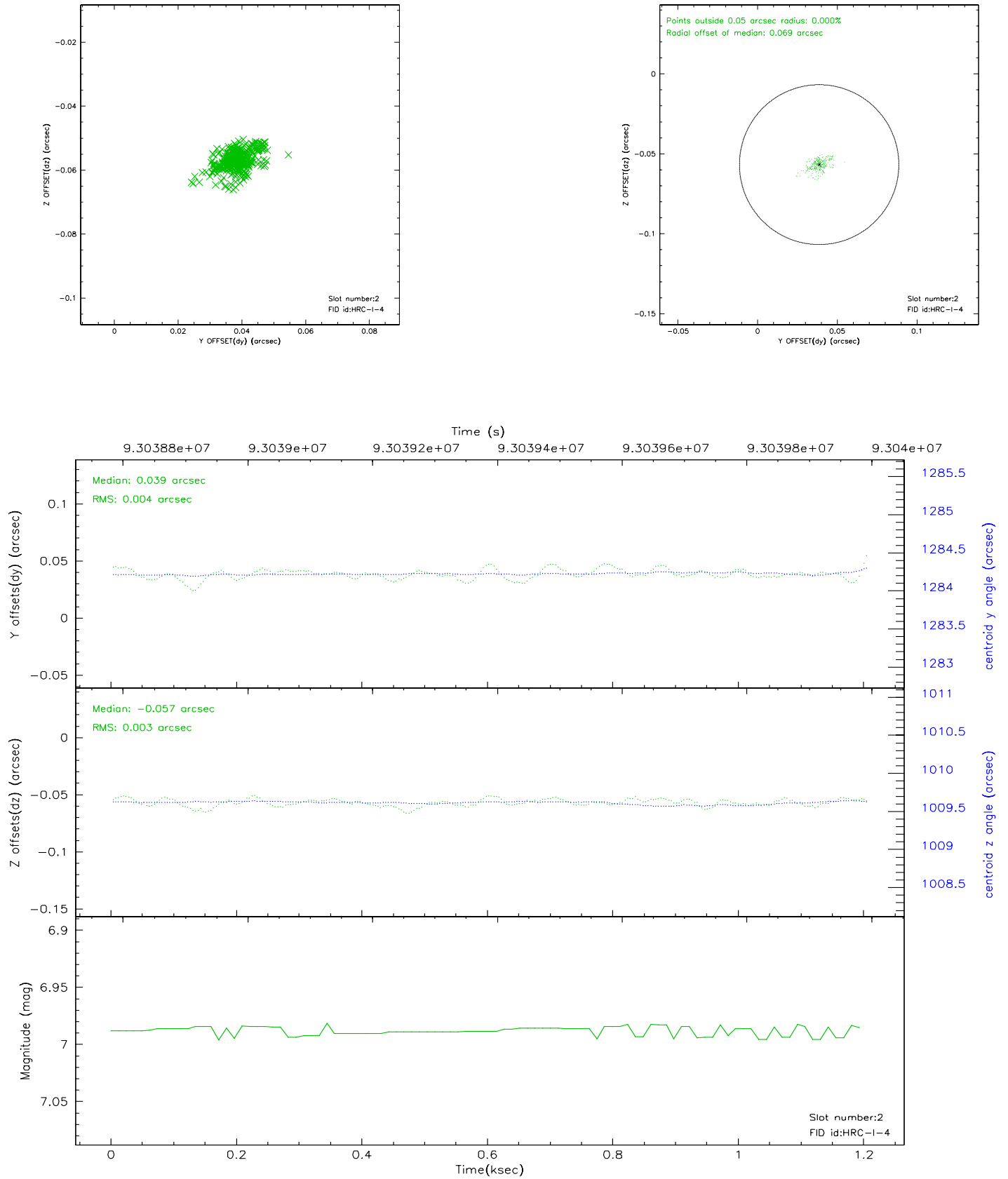
### 2.5.1 Slot 0



## 2.5.2 Slot 1

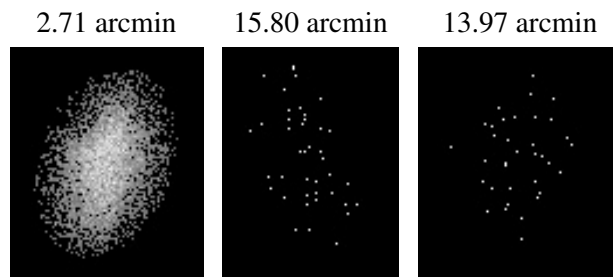


### 2.5.3 Slot 2





### 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	1.202

## 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.