

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2351 - L2 Version 4  
Chandra X-Ray Center

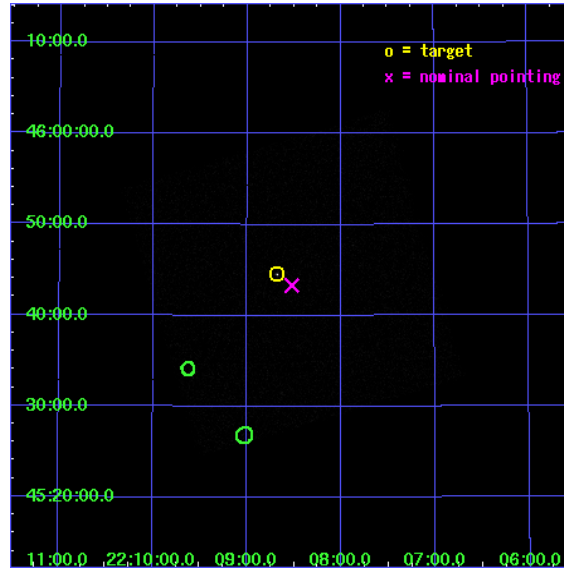
L2 Processing Date : Nov 21 2007

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# 1 Front

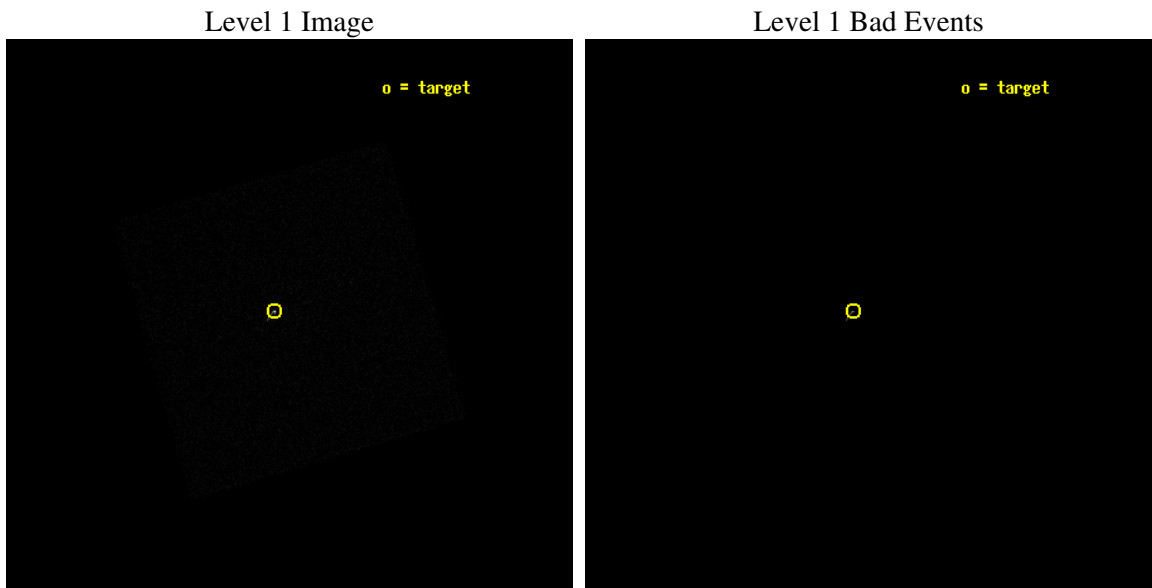
seq_num	290098
obs_id	2351
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC,HRC-I,AO2A
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.13051340767
dec_nom	45.722100412198
roll_nom	298.69851262472
revision	4
ontime	1194.3812956661
livetime	1188.5089285857
l2events	34108



## 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	2007-11-21T04:46:47
revision	4

sched_exp_time	1000.000000
ontime	1194.3812956661
l1events	60693

### 2.1.3 Events

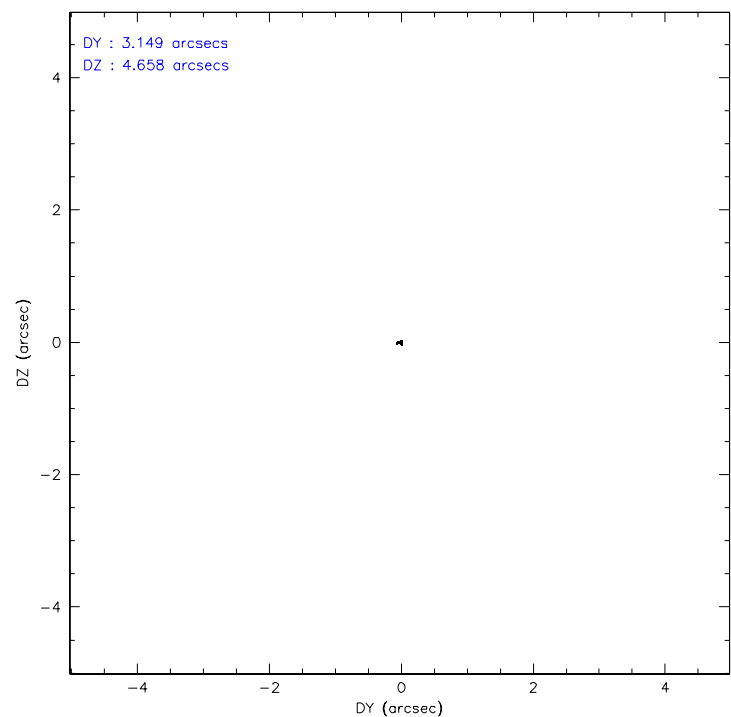
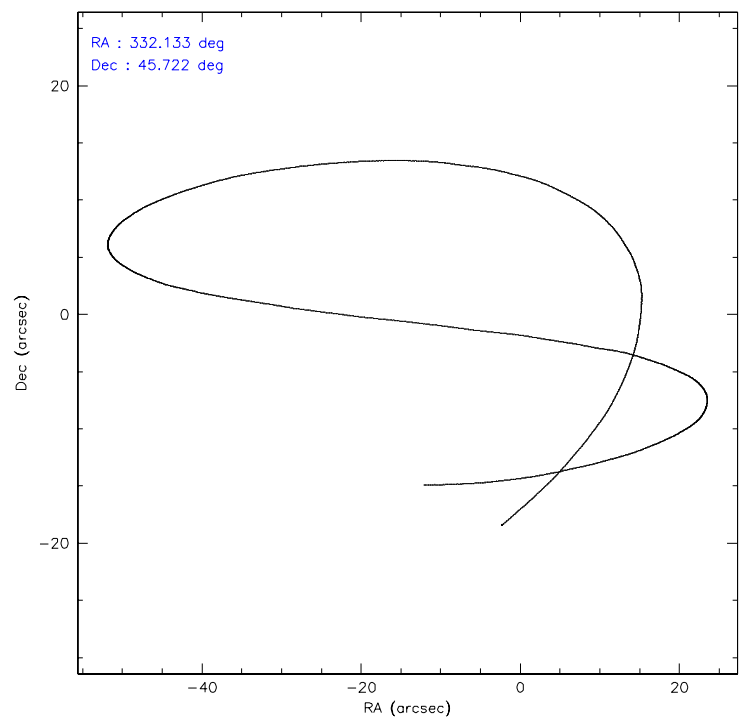
#### Level 1 Events

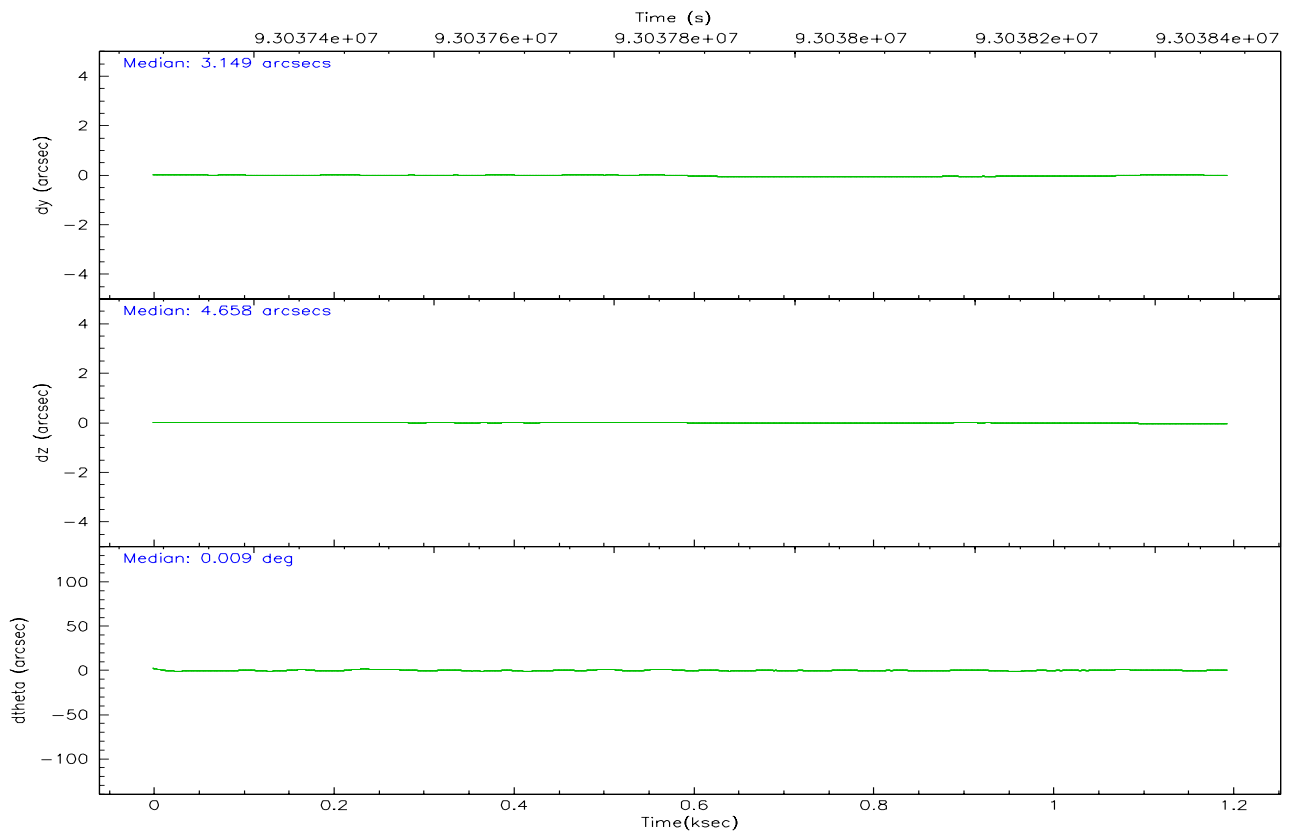
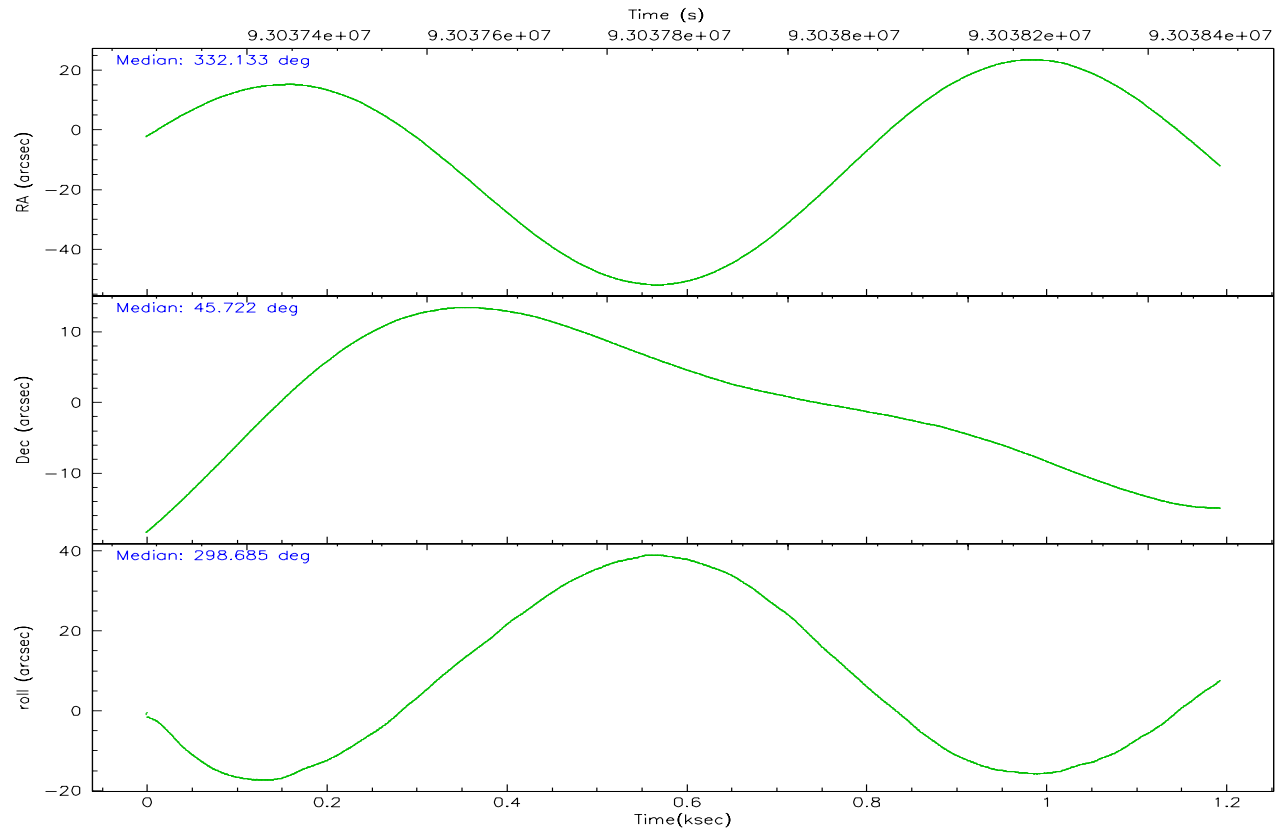
	<b>segment 0</b>
level 1 events	60693
rejected events	12918
rejected %	21%

## 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	332.095130	332.1305134076748			
Pointing Dec	45.735650	45.72210041219822			
Pointing Roll	298.819319	298.6985126247183			
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	93037481.184000	93037104.812858			
Observation start date	2000-12-12T19:43:37	2000-12-12T19:38:24			
Observation end time	93038481.184000	93038614.637915			
Observation end date	2000-12-12T20:00:17	2000-12-12T20:03:34			

2.3 Aspect





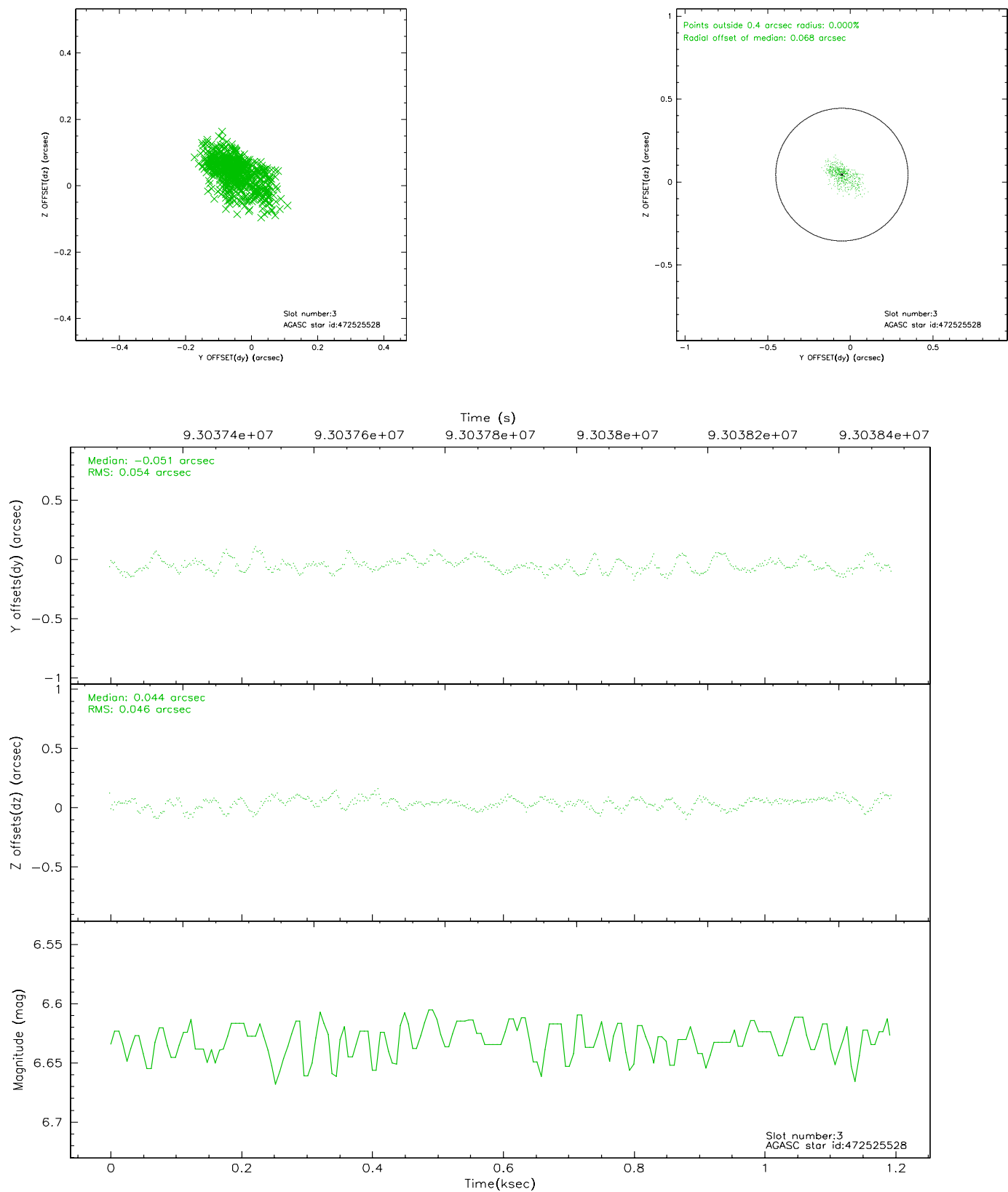
### Slot Statistics

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	292	0.048	0.066	0.006	0.009	0.000000	0.000000	-758.57	-1292.41
1	FID	HRC-I-3	7.05	292	0.032	-0.098	0.006	0.010	0.000000	0.000000	-1189.66	1007.56
2	FID	HRC-I-4	6.99	292	0.033	-0.057	0.005	0.008	0.000000	0.000000	1280.15	1013.07
3	GUIDE	472525528	6.63	584	-0.051	0.044	0.076	0.127	331.551102	45.248694	865.97	-2055.75
4	GUIDE	472523760	8.23	584	-0.048	-0.083	0.054	0.084	331.645363	45.403260	497.78	-1579.91
5	GUIDE	472665256	9.02	584	-0.062	-0.090	0.076	0.116	332.808125	46.195041	-600.76	2349.73
6	GUIDE	472659832	9.47	580	0.072	0.098	0.099	0.154	332.780399	46.098139	-328.17	2130.44
7	GUIDE	472654568	9.44	583	0.083	0.038	0.115	0.178	332.194449	45.063576	2239.57	-945.94

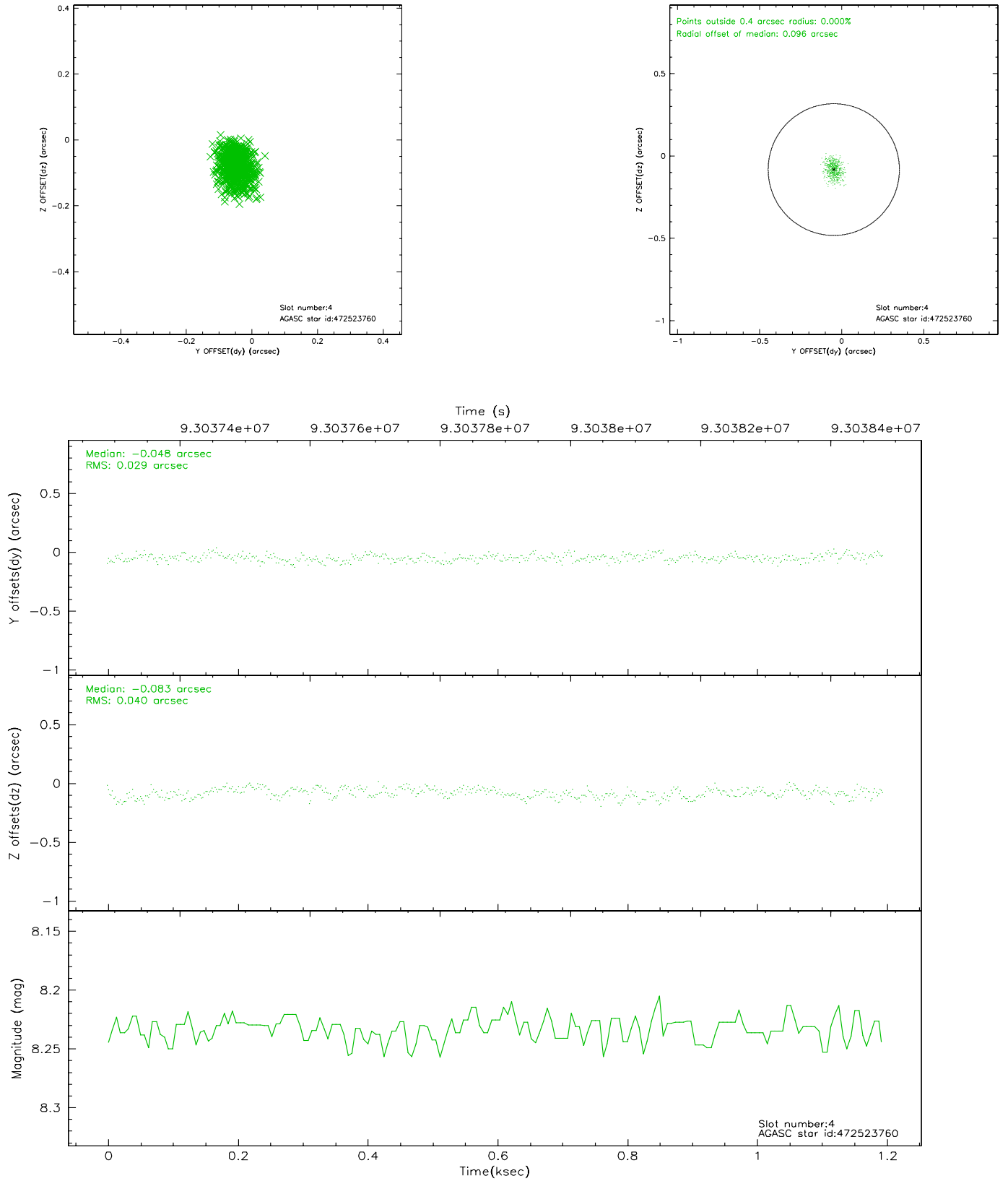


## 2.4 Star Slots

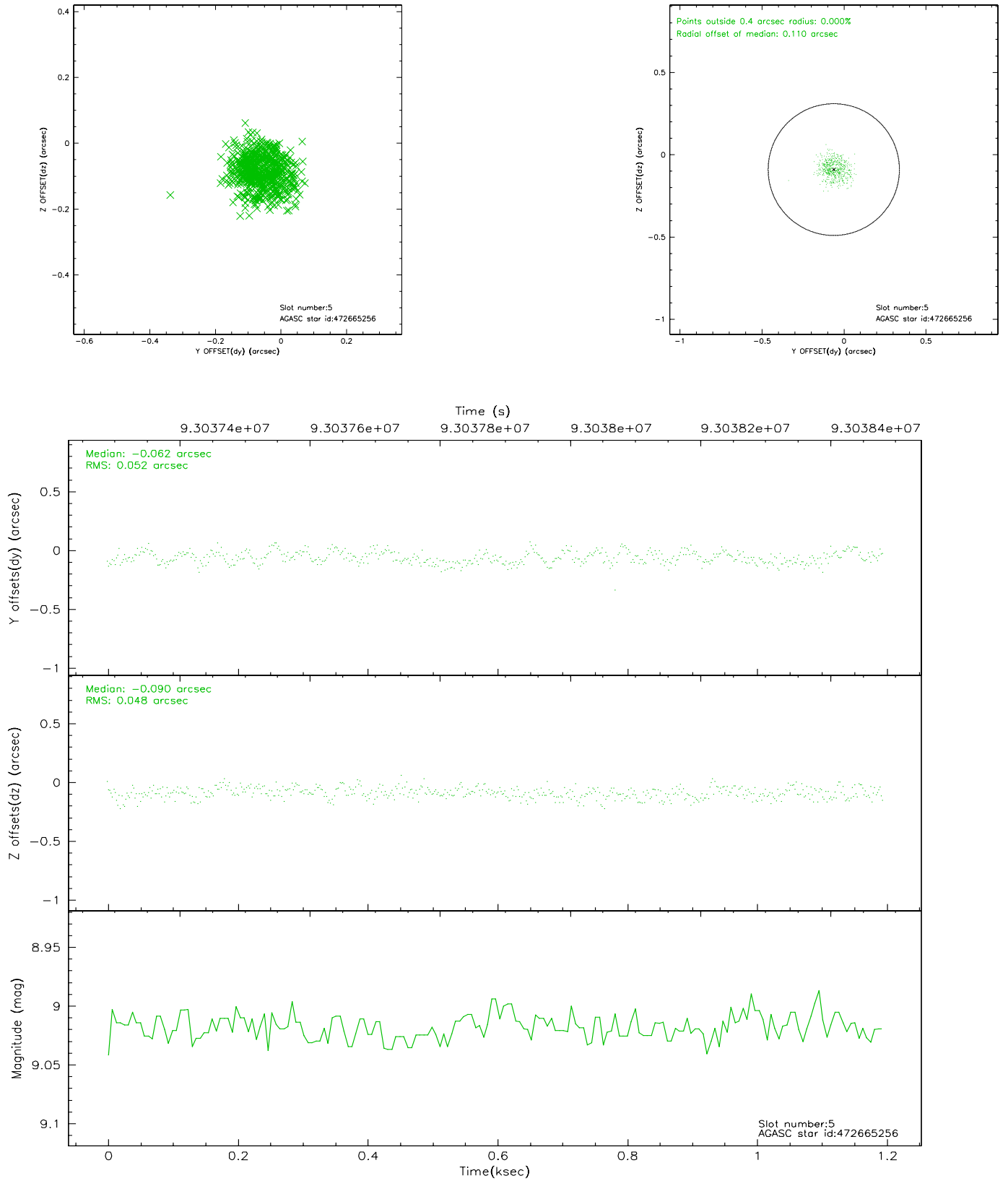
### 2.4.1 Slot 3



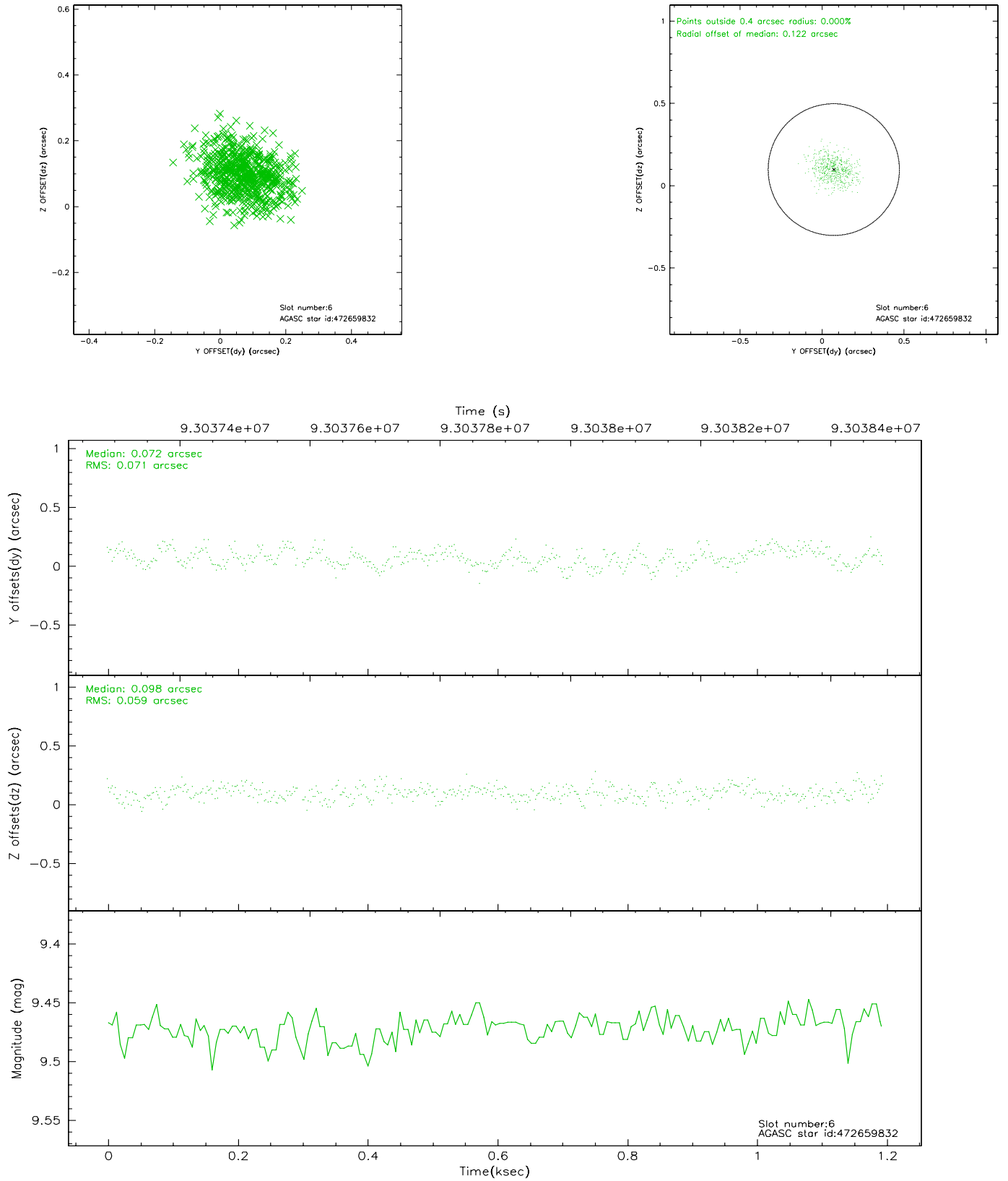
## 2.4.2 Slot 4



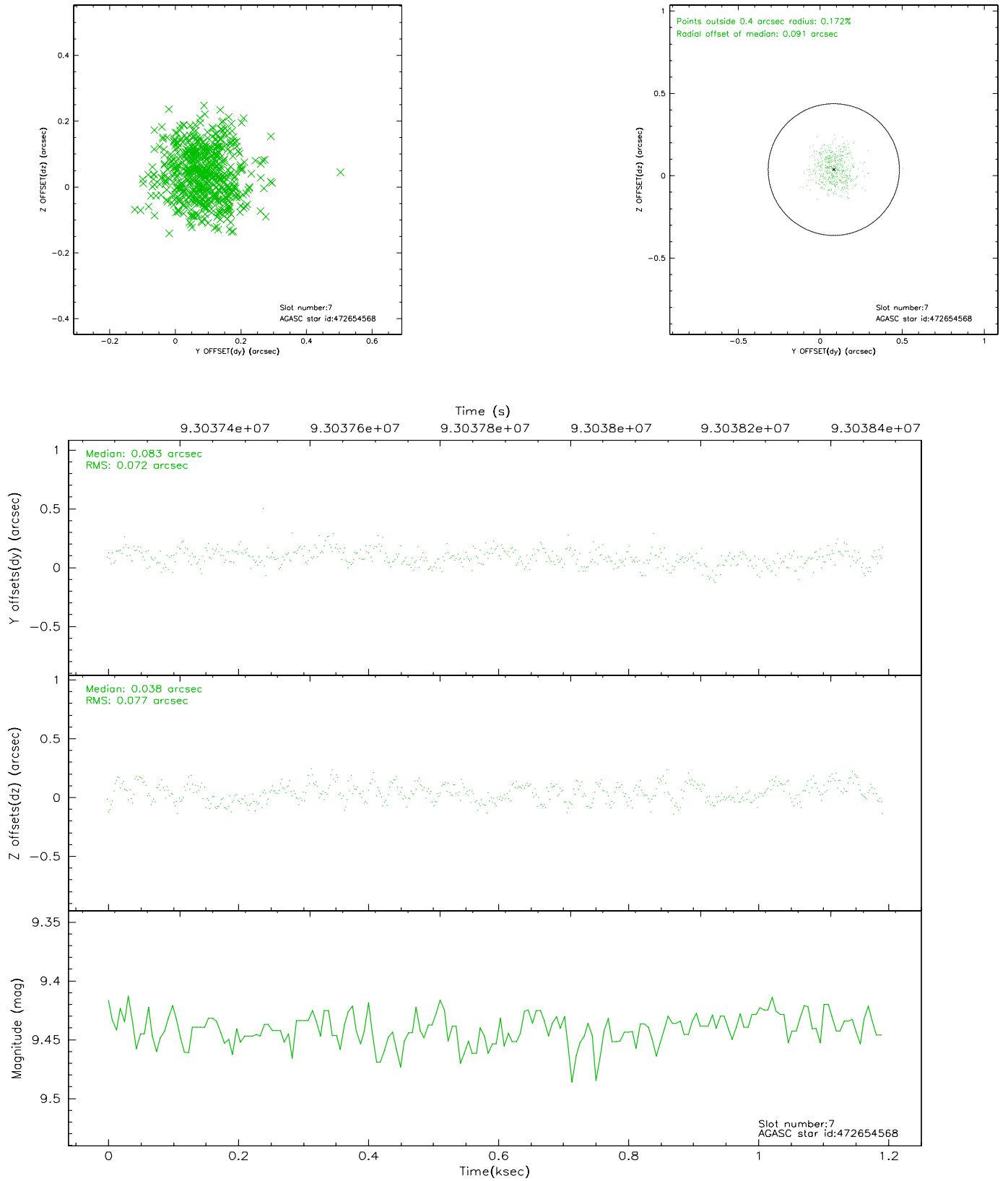
### 2.4.3 Slot 5



## 2.4.4 Slot 6

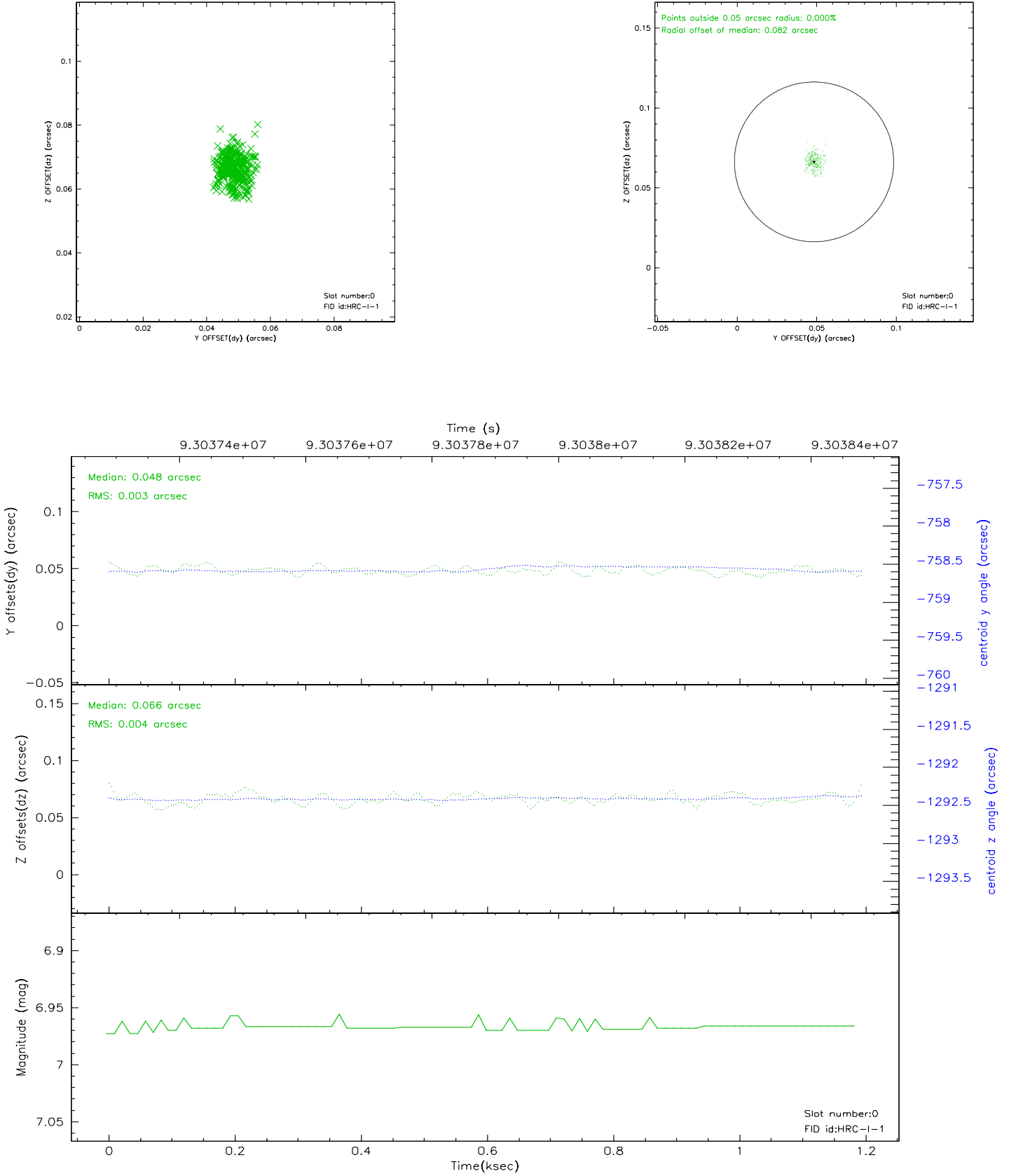


## 2.4.5 Slot 7

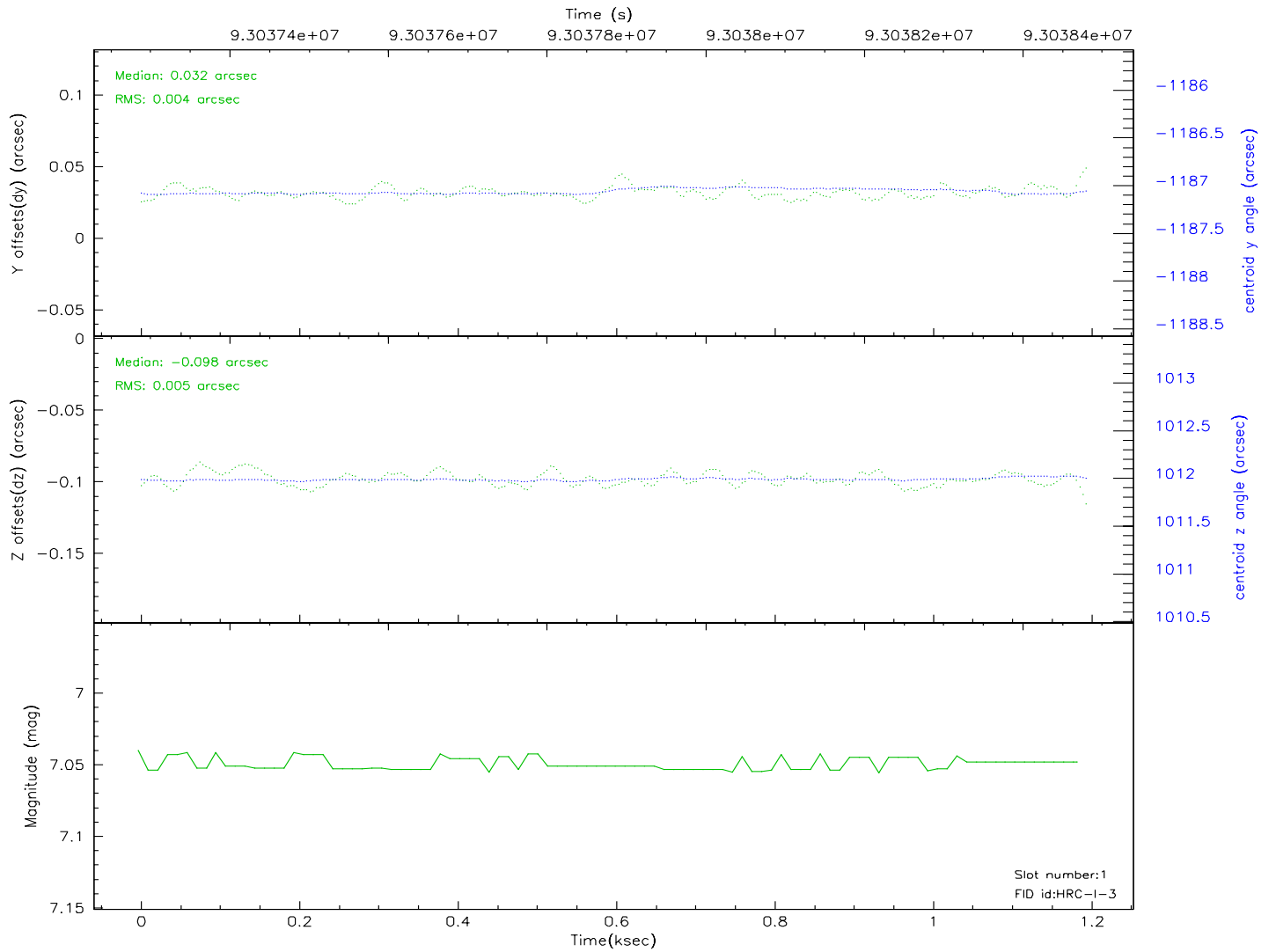
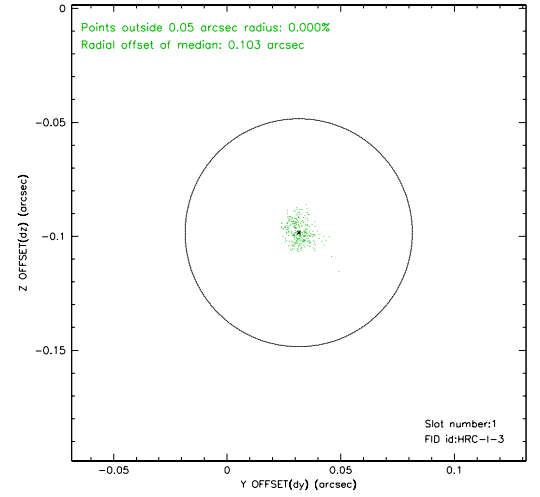
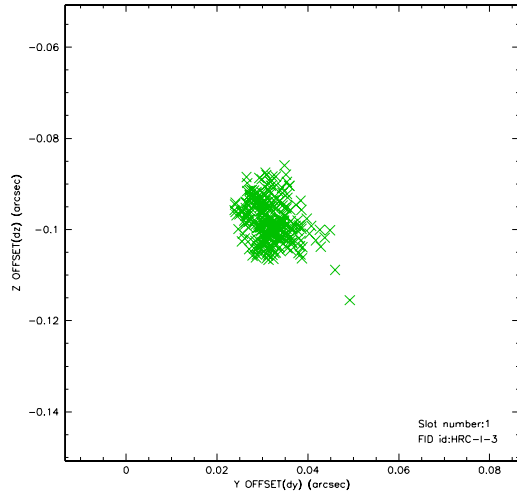


## 2.5 FID Slots

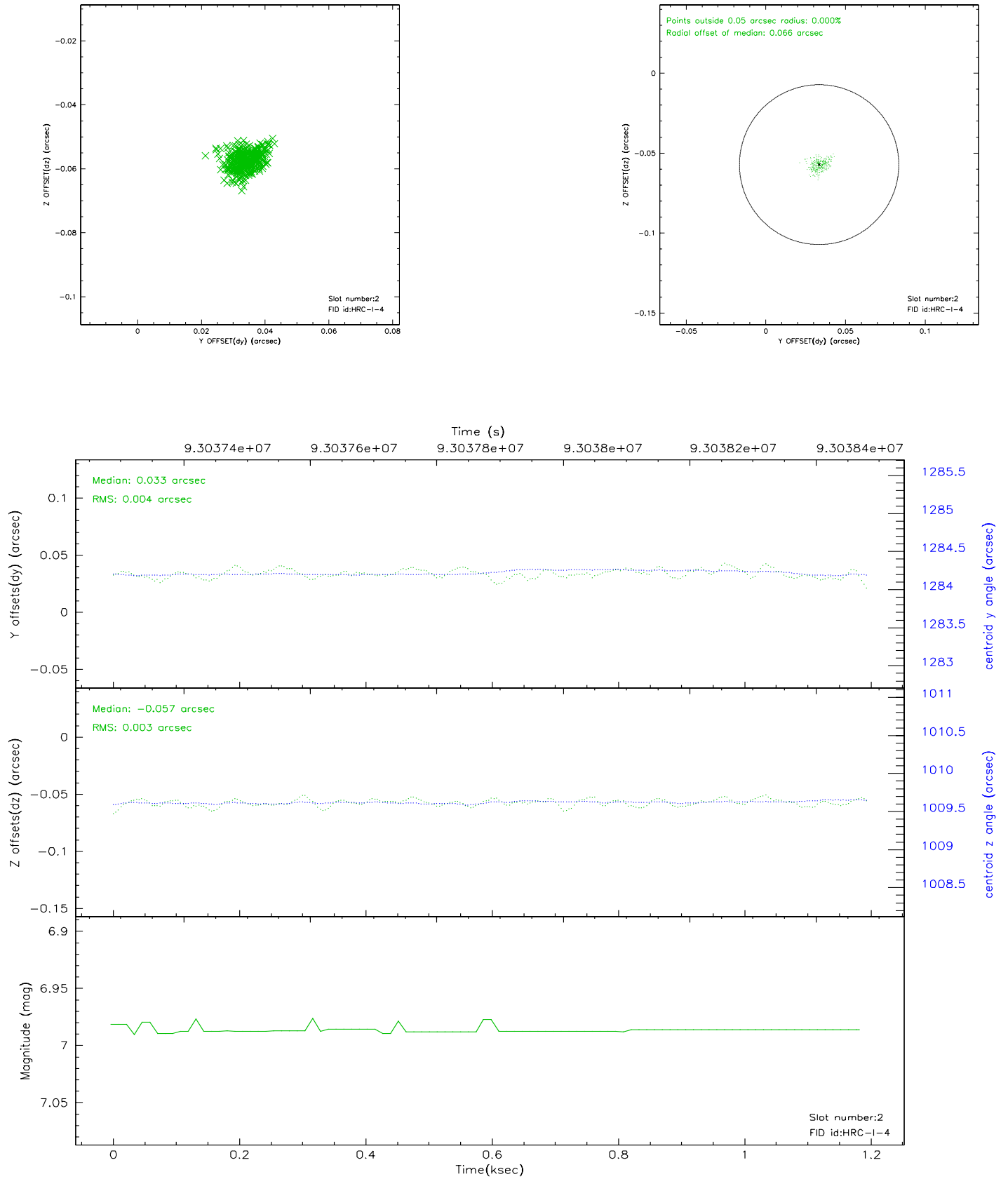
### 2.5.1 Slot 0



## 2.5.2 Slot 1

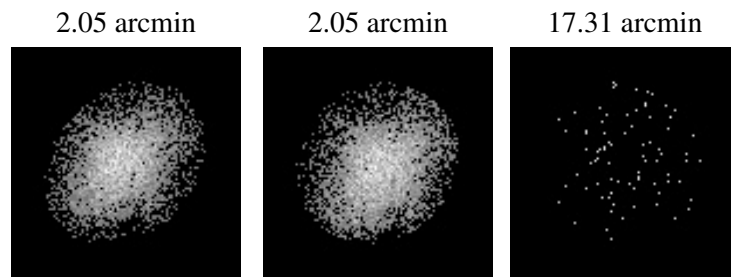


### 2.5.3 Slot 2





### 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	1.194

### 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.