

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5998 - L2 Version 3  
Chandra X-Ray Center

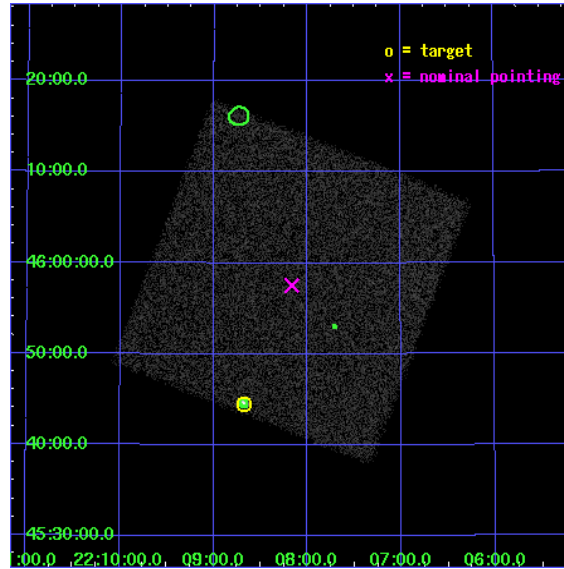
L2 Processing Date : Nov 24 2007

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# 1 Front

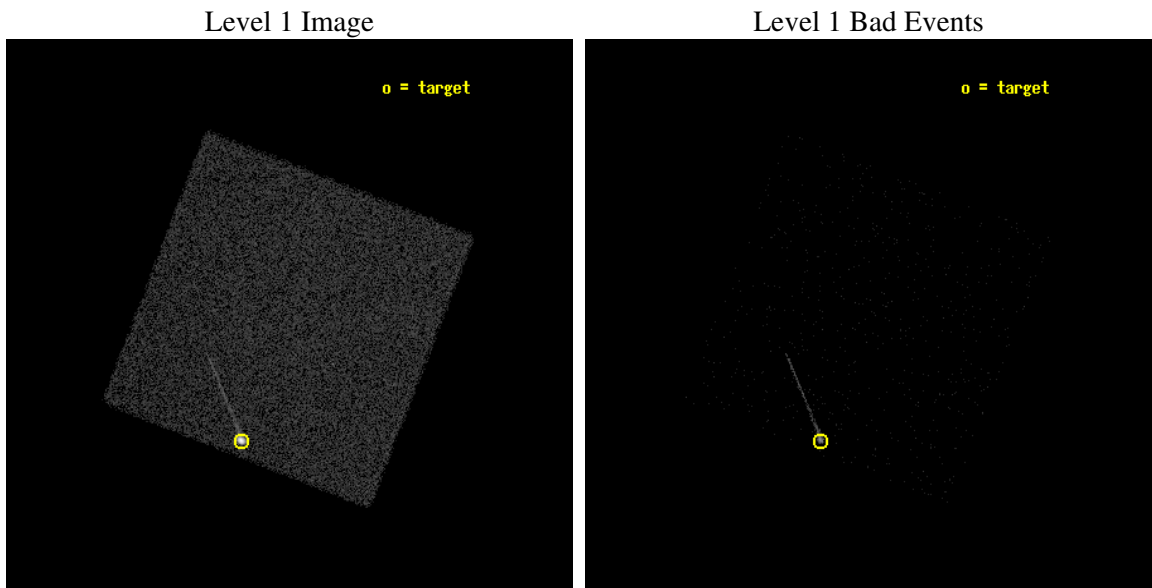
seq_num	290490
obs_id	5998
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.04136895655
dec_nom	45.95925078927
roll_nom	246.27617542811
revision	3
ontime	1188.2313047349
livetime	1179.2894894545
l2events	50592



## 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	2007-11-24T19:17:05
revision	3

sched_exp_time	1000.000000
ontime	1188.2313047349
l1events	94074

### 2.1.3 Events

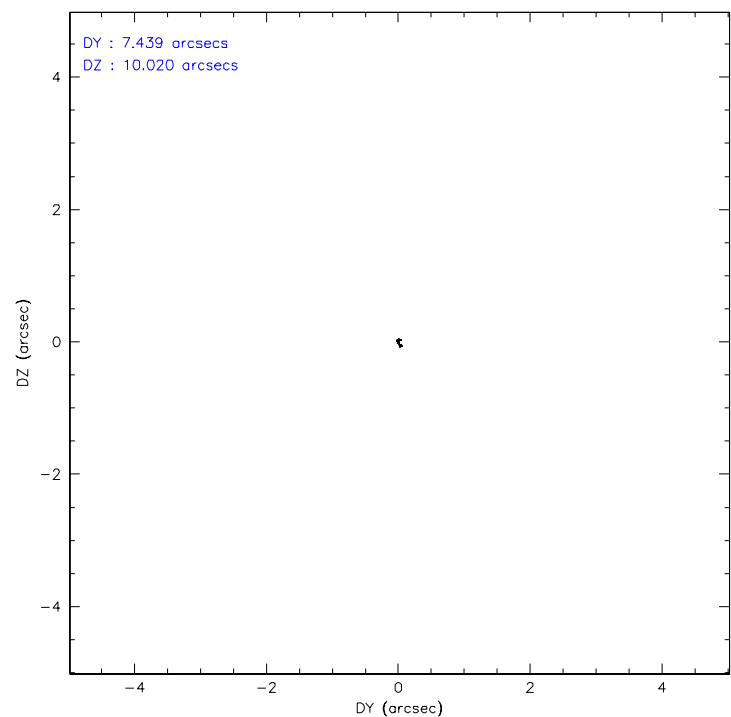
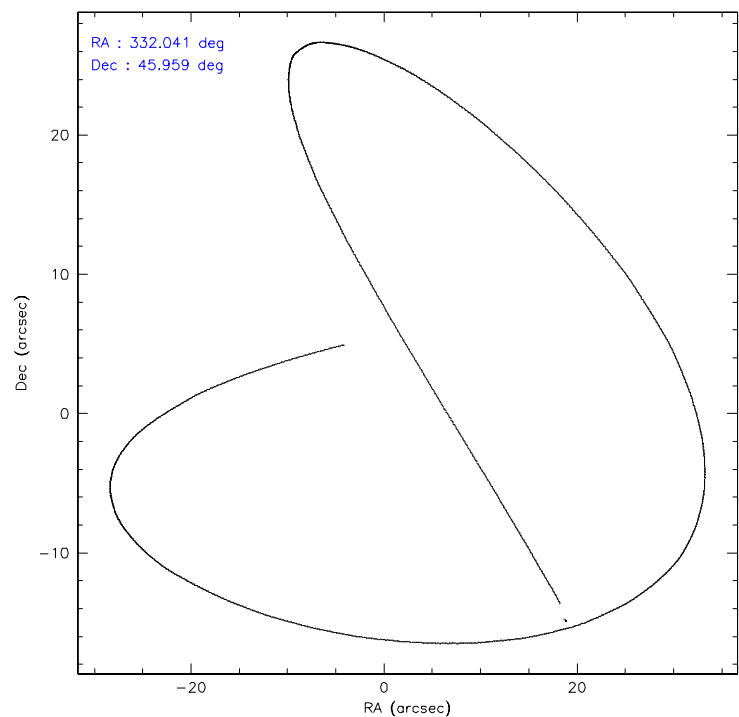
#### Level 1 Events

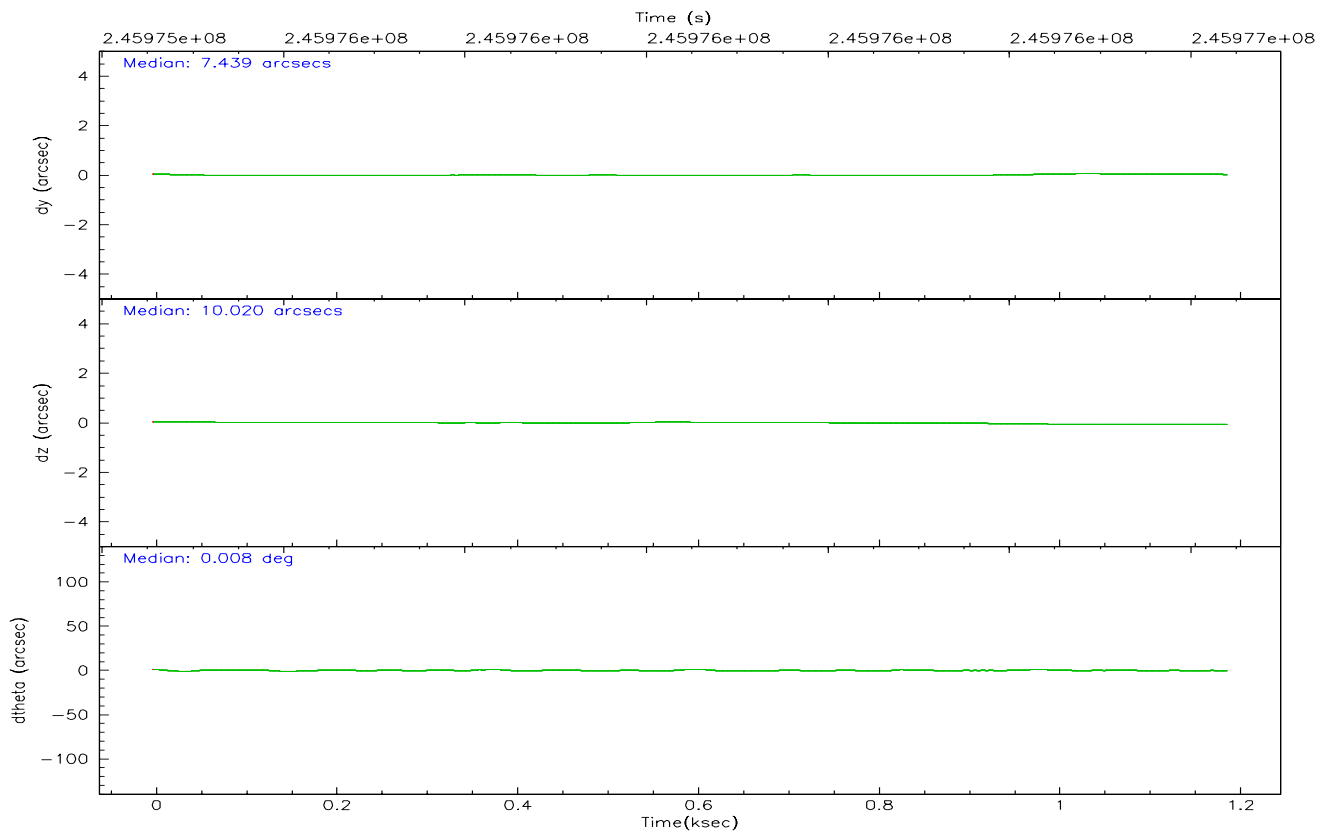
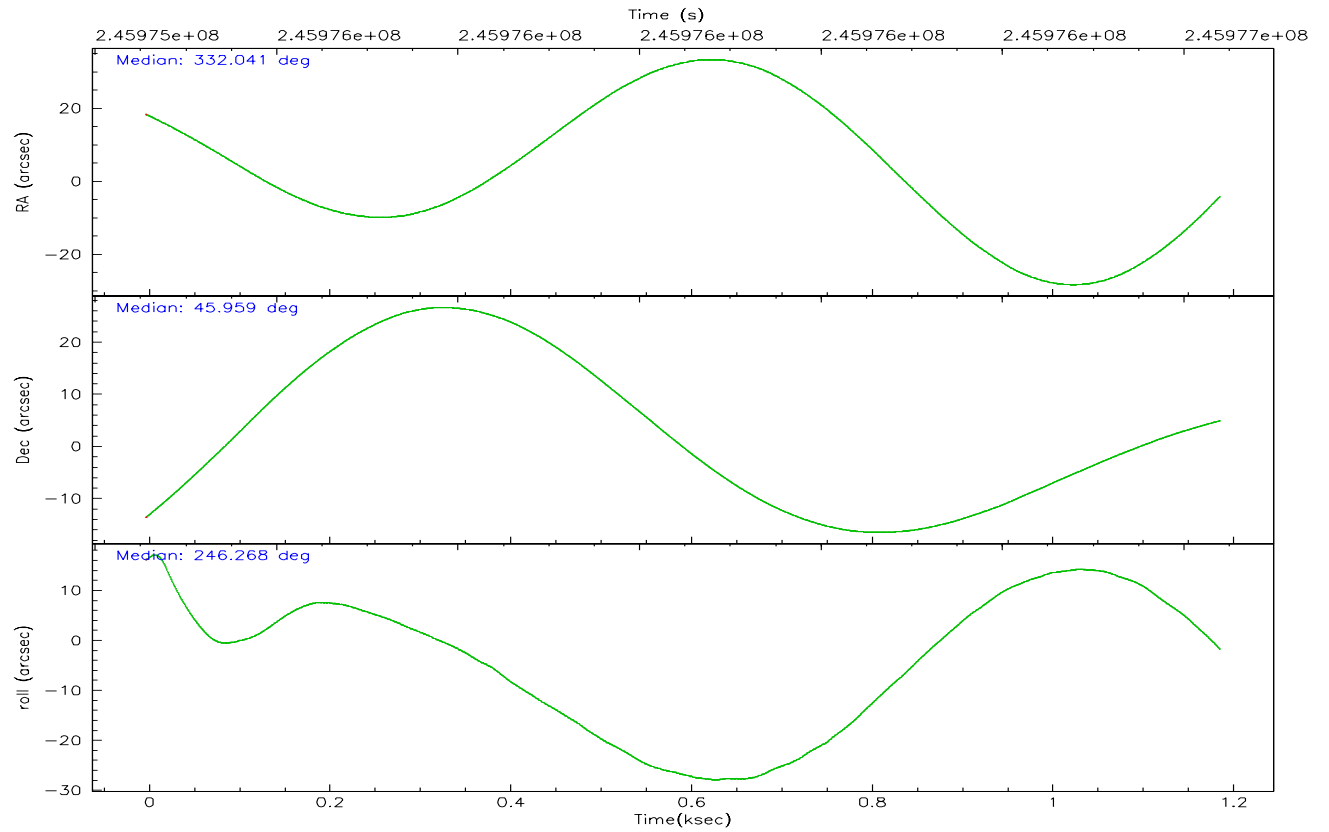
	<b>segment 0</b>
level 1 events	94074
rejected events	20295
rejected %	21%

## 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	332.037437	332.0413689565538			
Pointing Dec	45.985864	45.95925078926978			
Pointing Roll	246.374161	246.2761754281098			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	245975641.184000	245975265.67885			
Observation start date	2005-10-17T22:32:57	2005-10-17T22:27:45			
Observation end time	245976641.184000	245976776.01642			
Observation end date	2005-10-17T22:49:37	2005-10-17T22:52:56			

2.3 Aspect





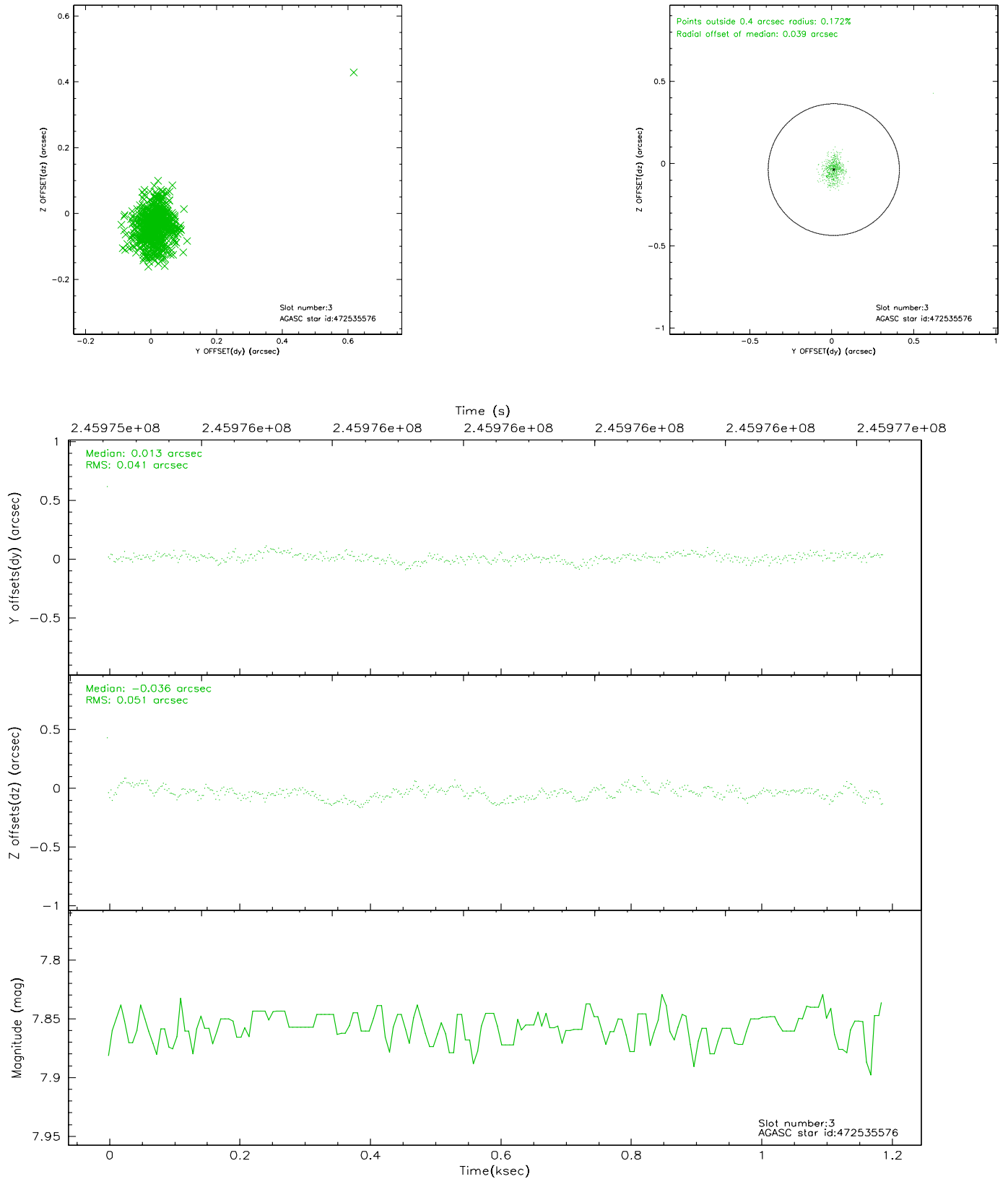
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	291	0.043	-0.060	0.006	0.010	0.000000	0.000000	849.66	-1299.56
1	FID	HRC-I-3	7.10	291	-0.076	-0.021	0.006	0.011	0.000000	0.000000	-1188.70	1002.11
2	FID	HRC-I-4	7.04	291	0.152	-0.005	0.006	0.010	0.000000	0.000000	1275.81	1007.68
3	GUIDE	472535576	7.86	581	0.013	-0.036	0.062	0.102	331.438373	46.291802	-416.89	-1805.50
4	GUIDE	472536328	8.11	581	0.021	-0.022	0.075	0.123	331.496671	46.454831	-1014.07	-1906.96
5	GUIDE	472537064	8.93	581	-0.066	0.065	0.102	0.165	331.323423	46.483499	-940.96	-2342.57
6	GUIDE	472655152	9.43	581	0.047	0.117	0.114	0.184	332.504239	45.862991	-68.80	1247.73
7	GUIDE	472665256	9.03	580	-0.007	-0.115	0.088	0.147	332.808125	46.195041	-1468.68	1459.34

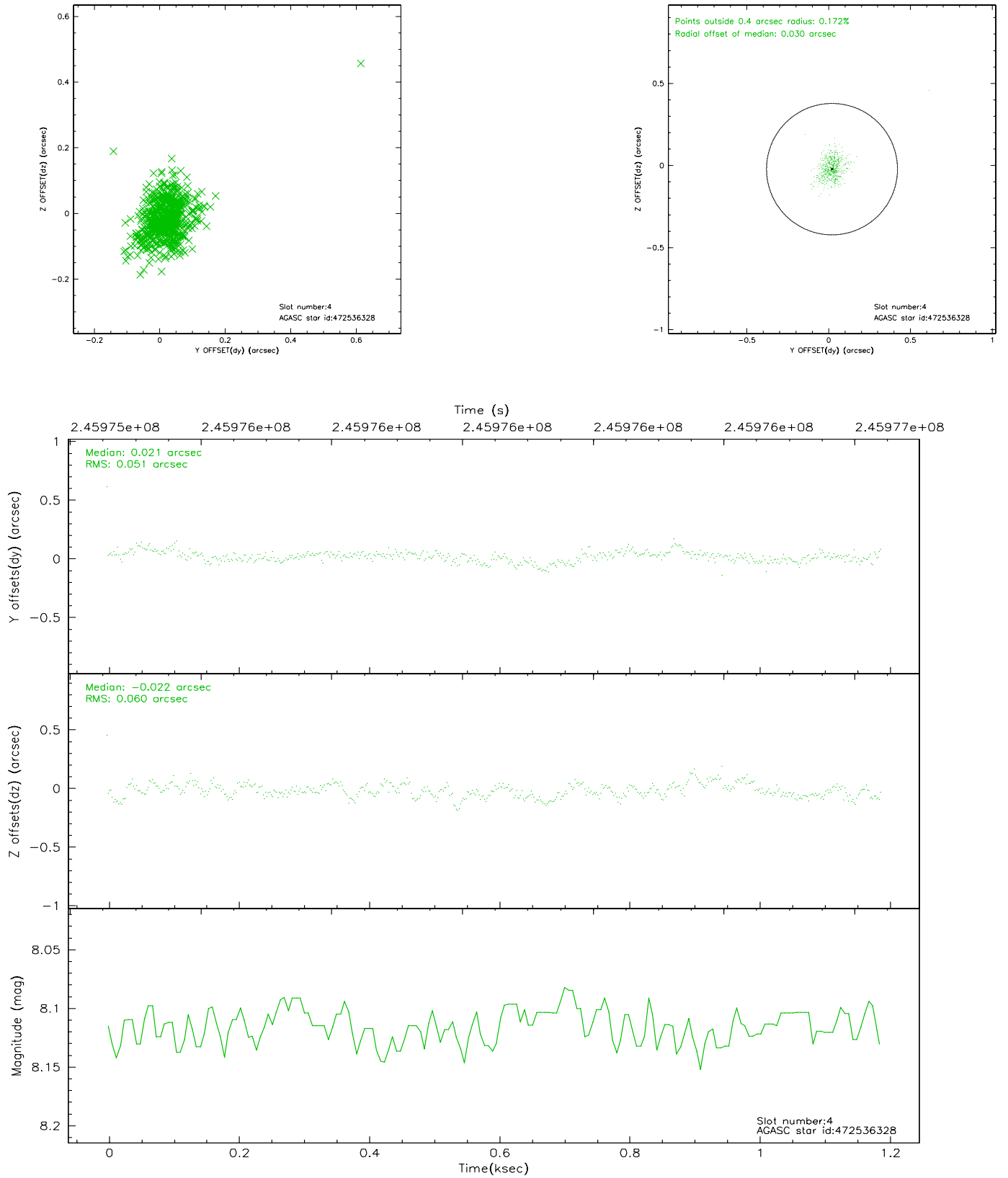


## 2.4 Star Slots

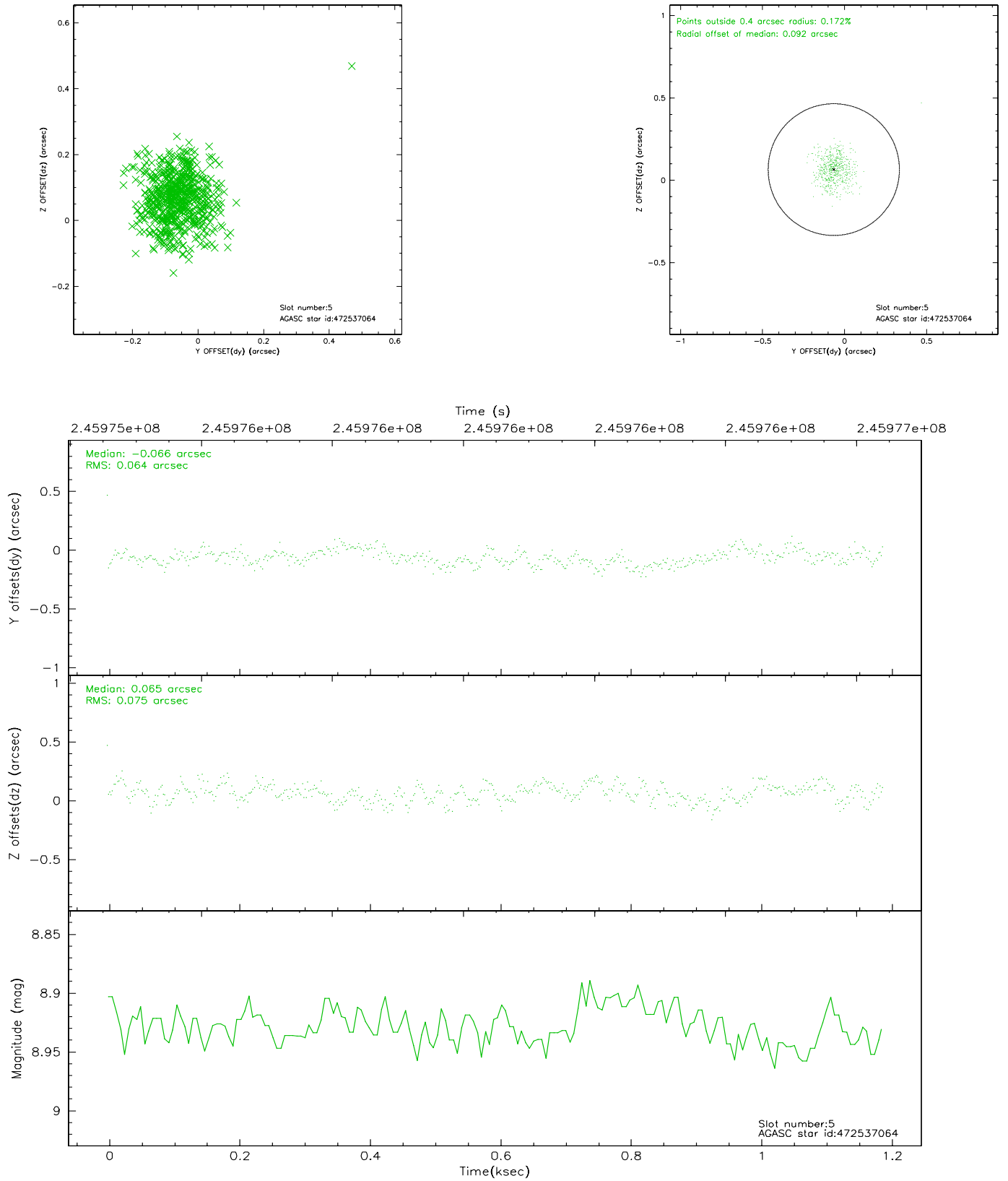
### 2.4.1 Slot 3



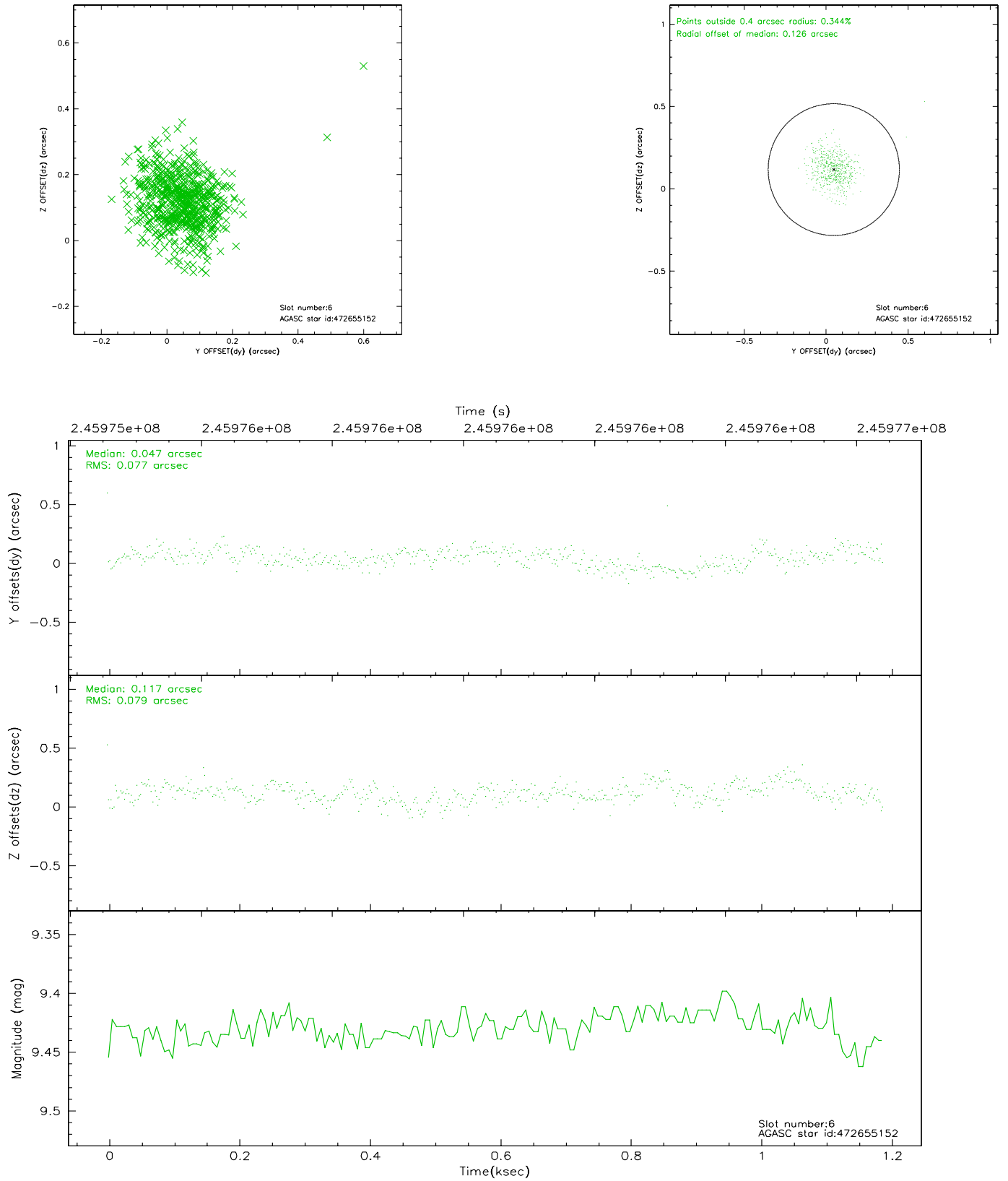
## 2.4.2 Slot 4



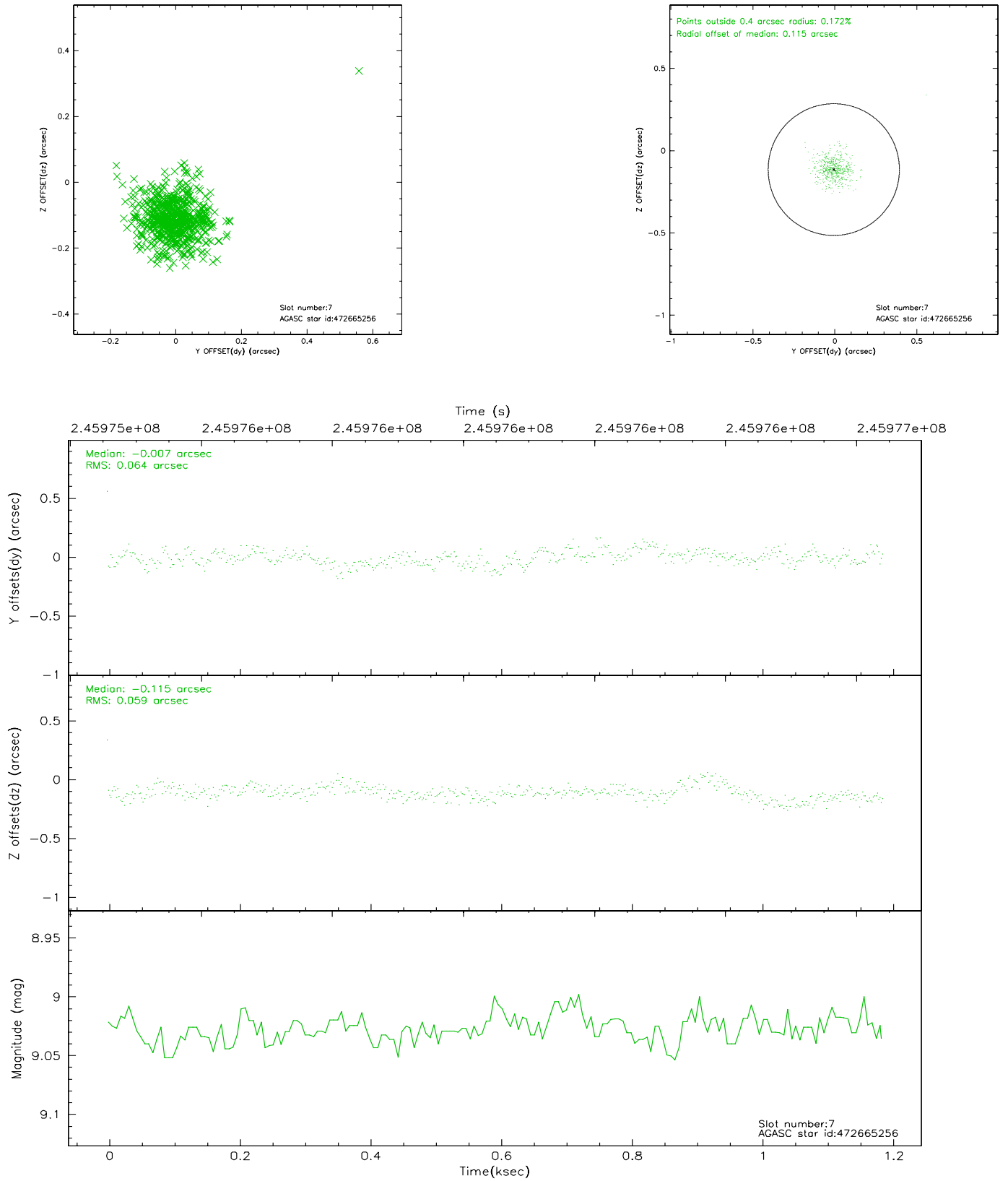
### 2.4.3 Slot 5



## 2.4.4 Slot 6

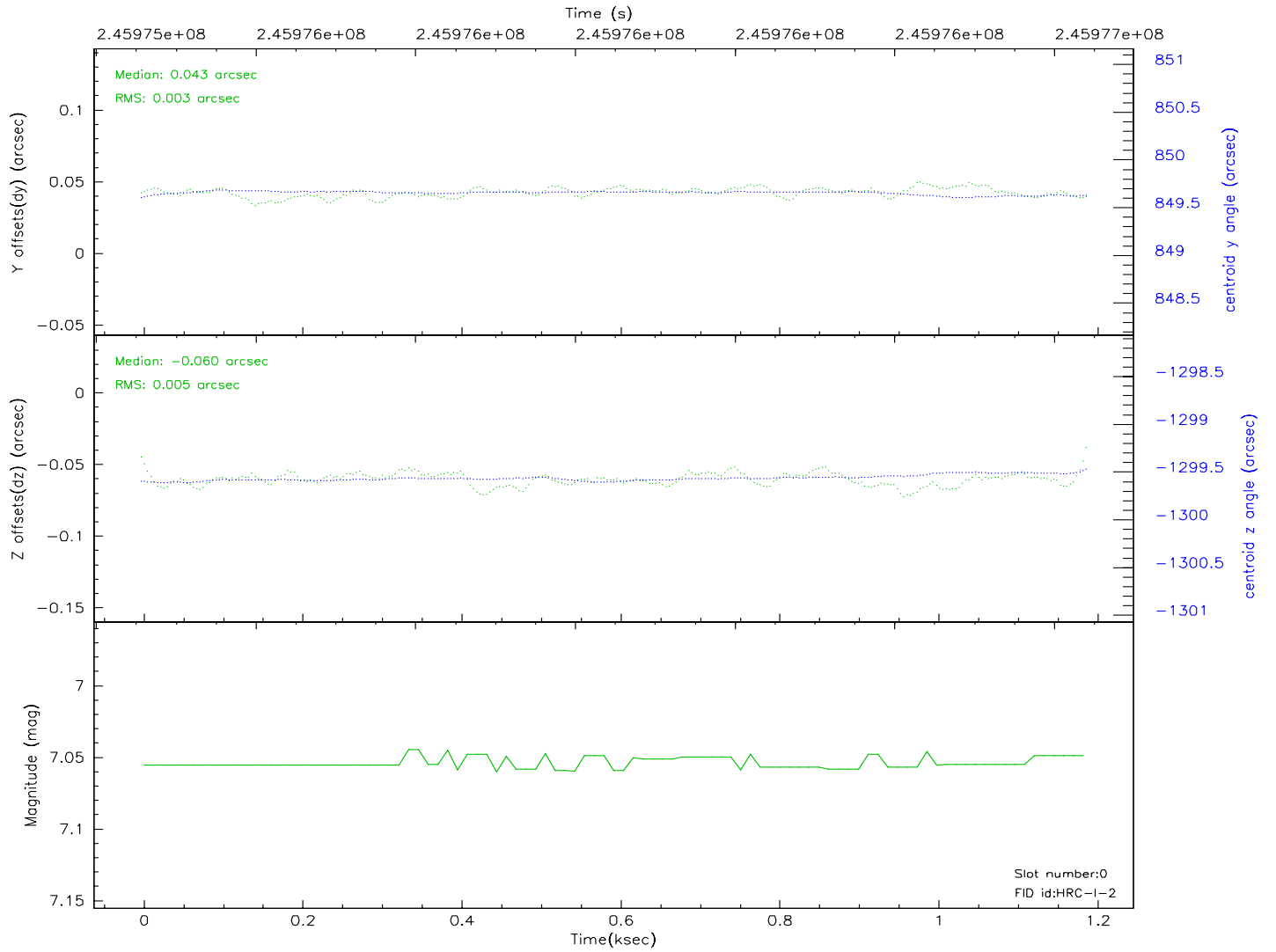
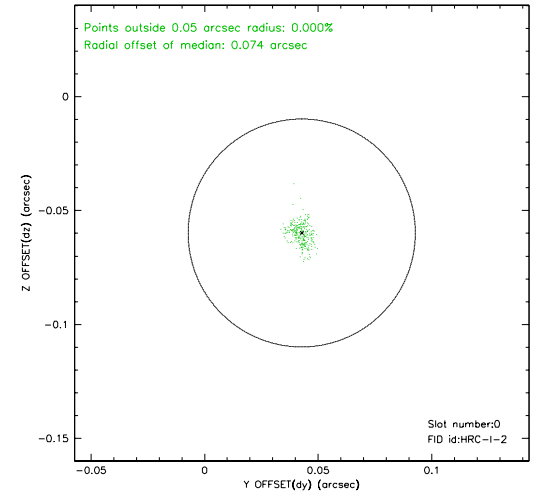
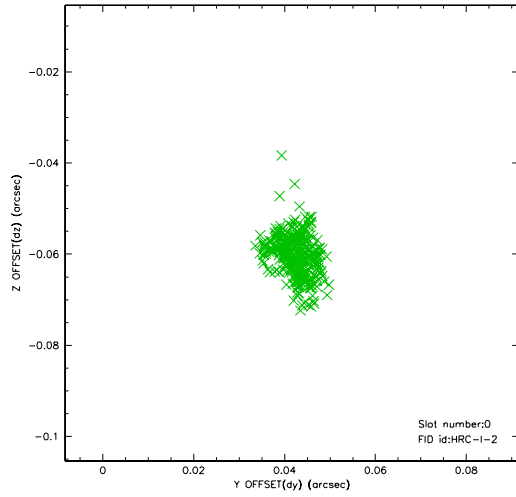


## 2.4.5 Slot 7

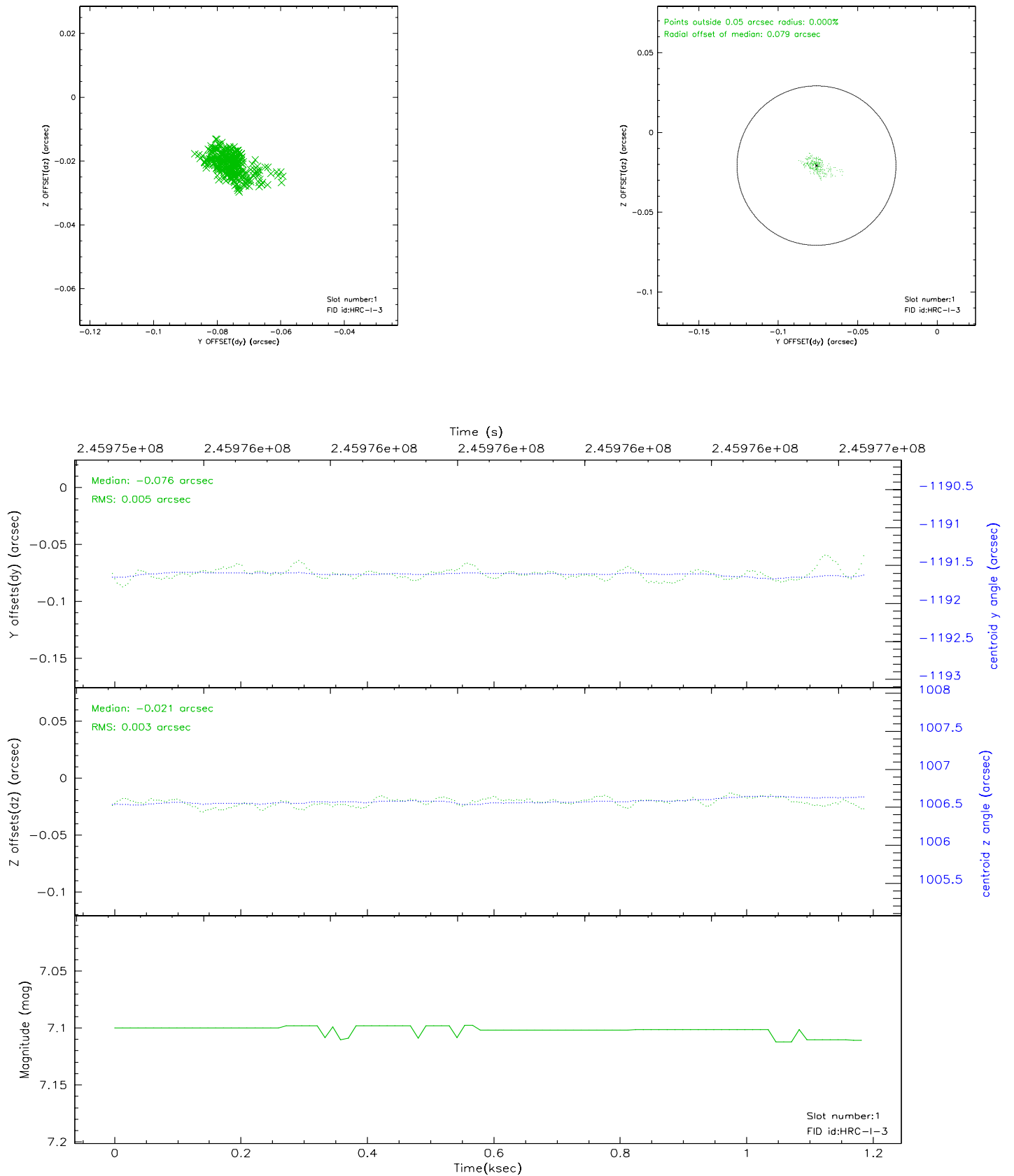


## 2.5 FID Slots

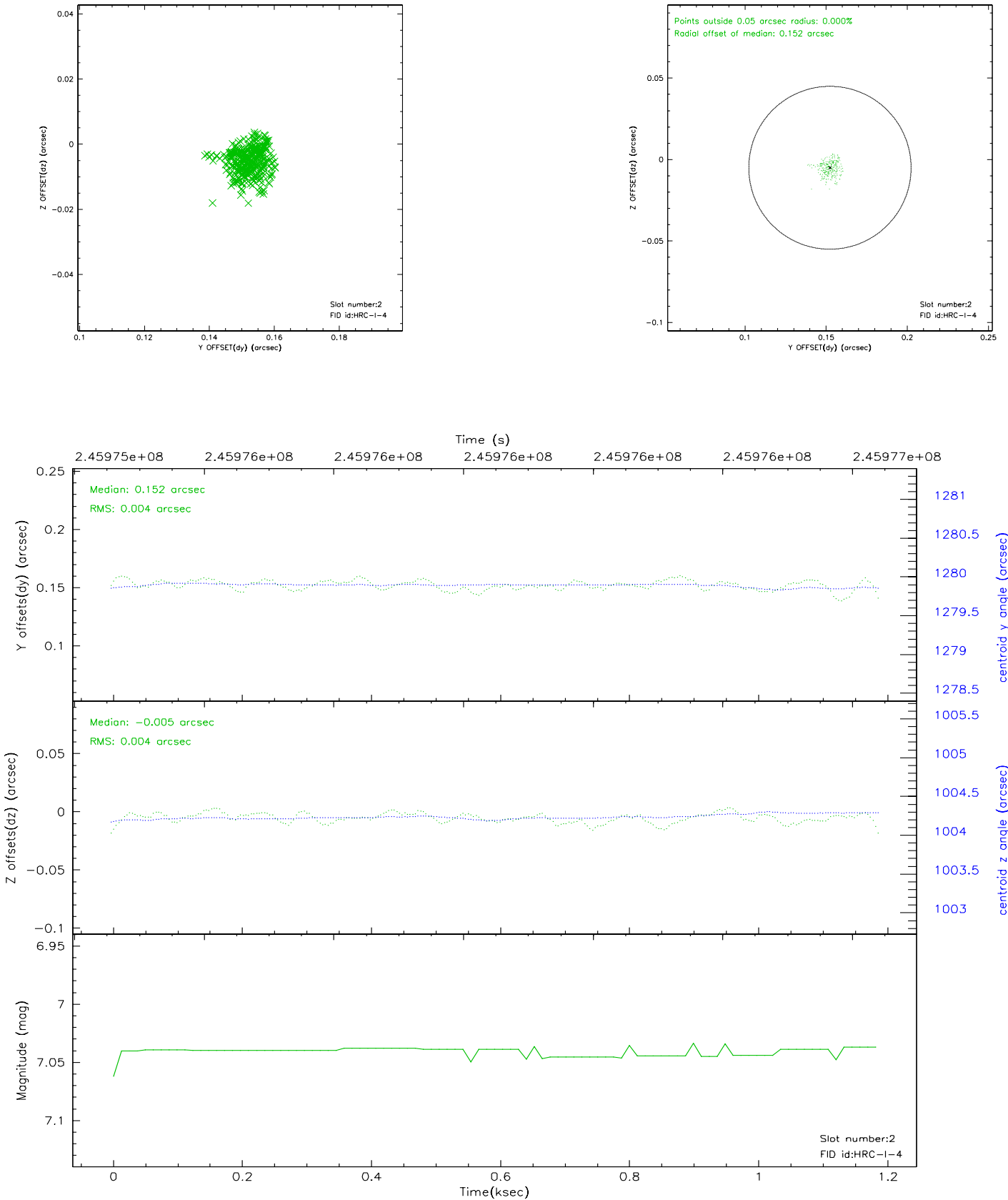
### 2.5.1 Slot 0



## 2.5.2 Slot 1

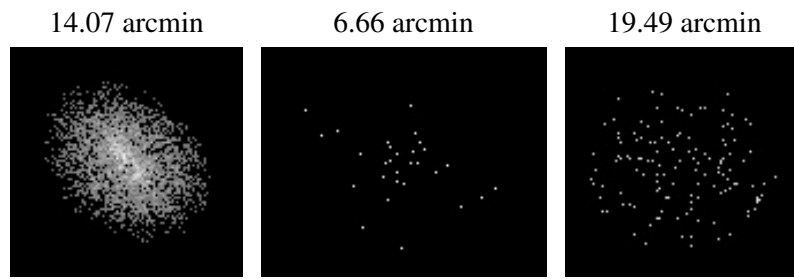


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188231

### 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.