

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5988 - L2 Version 3  
Chandra X-Ray Center

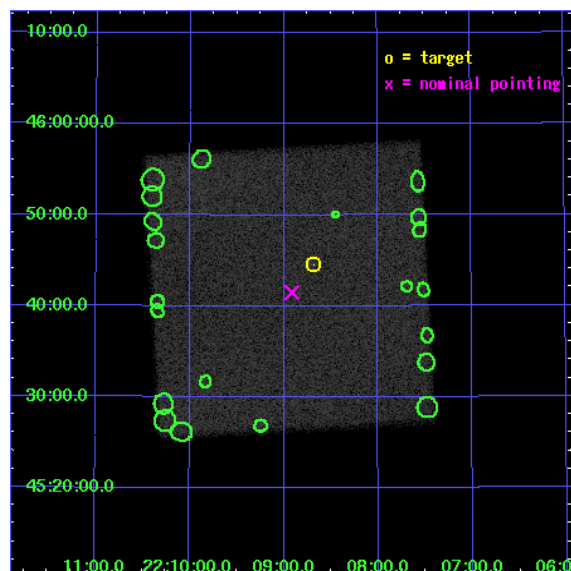
L2 Processing Date : Nov 24 2007

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# 1 Front

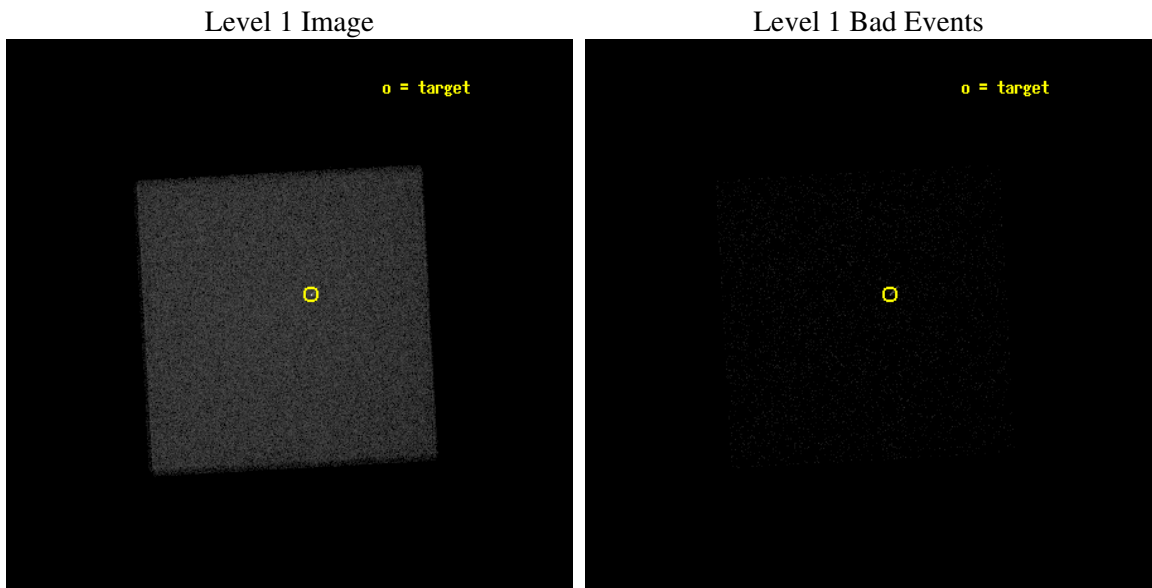
seq_num	290480
obs_id	5988
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.22841954042
dec_nom	45.691757798077
roll_nom	221.82803130433
revision	3
ontime	1177.9813041985
livetime	311.30421525412
l2events	169182



## 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	2007-11-24T17:49:07
revision	3

sched_exp_time	1000.000000
ontime	1177.9813041985
l1events	278208

### 2.1.3 Events

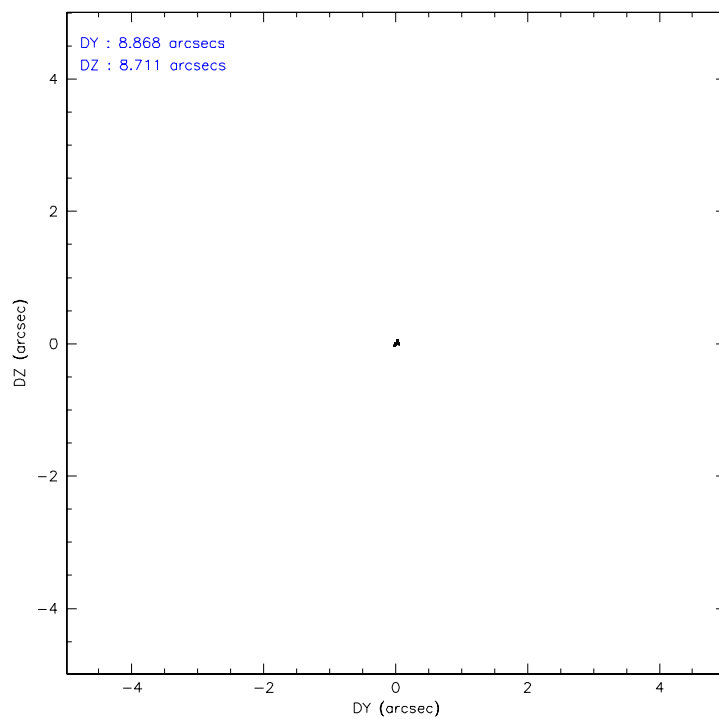
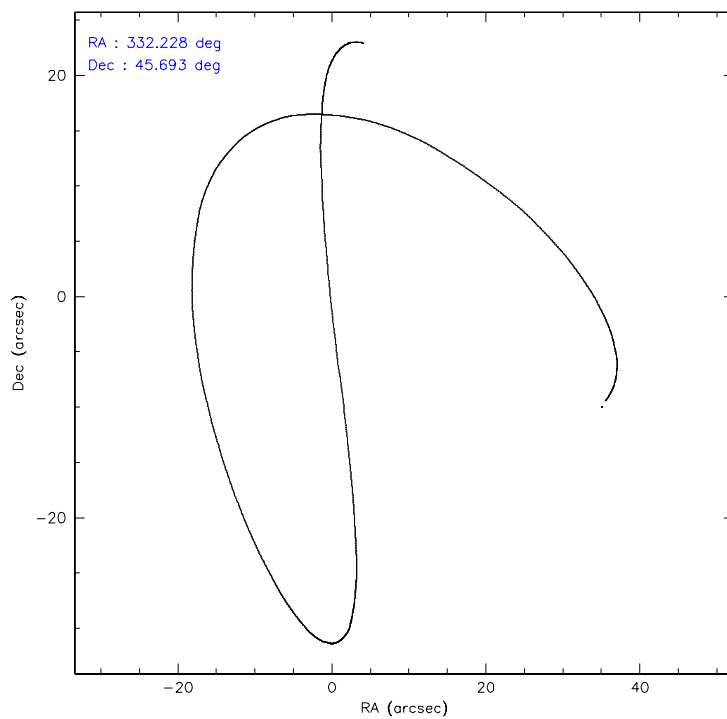
#### Level 1 Events

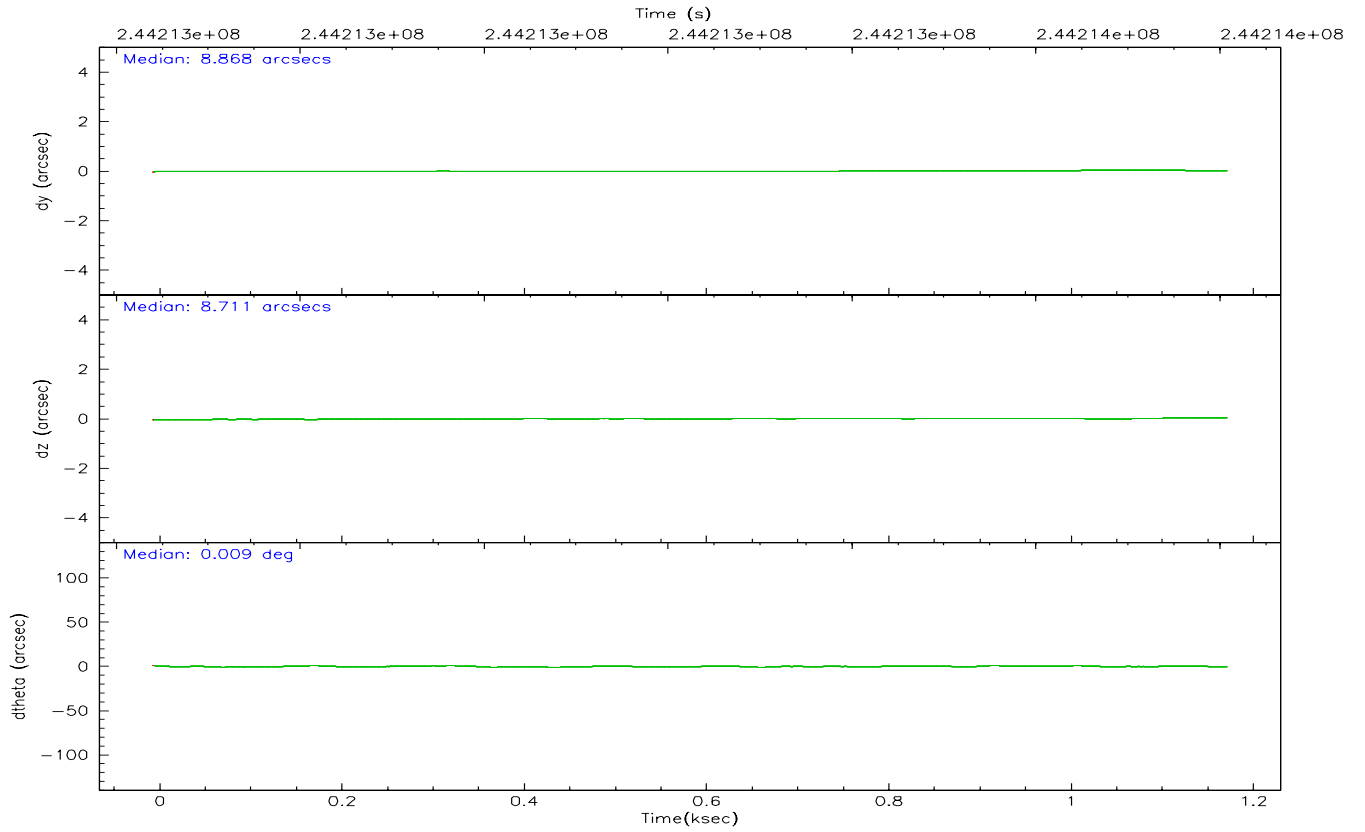
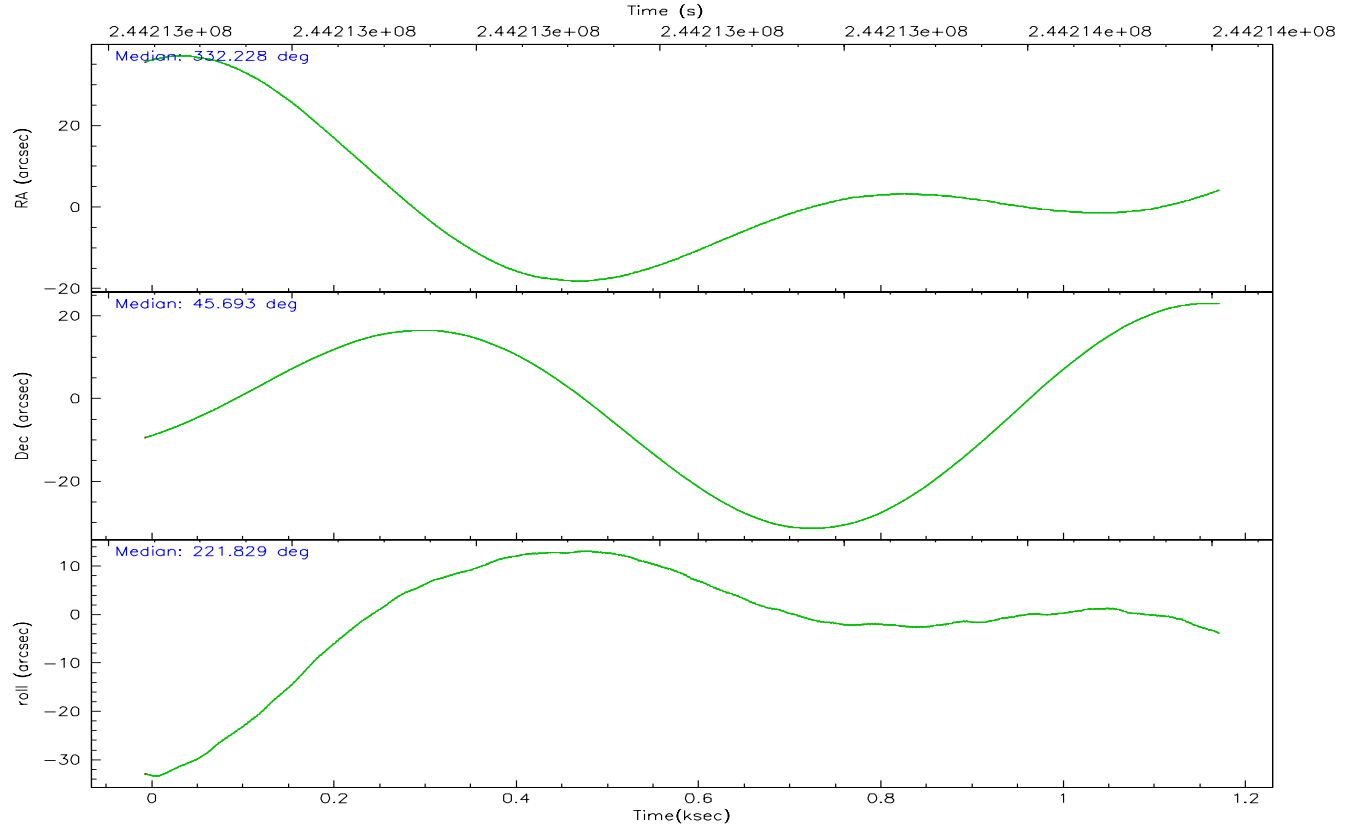
	<b>segment 0</b>
level 1 events	278208
rejected events	61002
rejected %	21%

## 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	332.239434	332.2284195404246			
Pointing Dec	45.717289	45.6917577980766			
Pointing Roll	221.915603	221.8280313043343			
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	244212812.184000	244212436.26021			
Observation start date	2005-09-27T12:52:28	2005-09-27T12:47:16			
Observation end time	244213812.184000	244213946.08528			
Observation end date	2005-09-27T13:09:08	2005-09-27T13:12:26			

## 2.3 Aspect



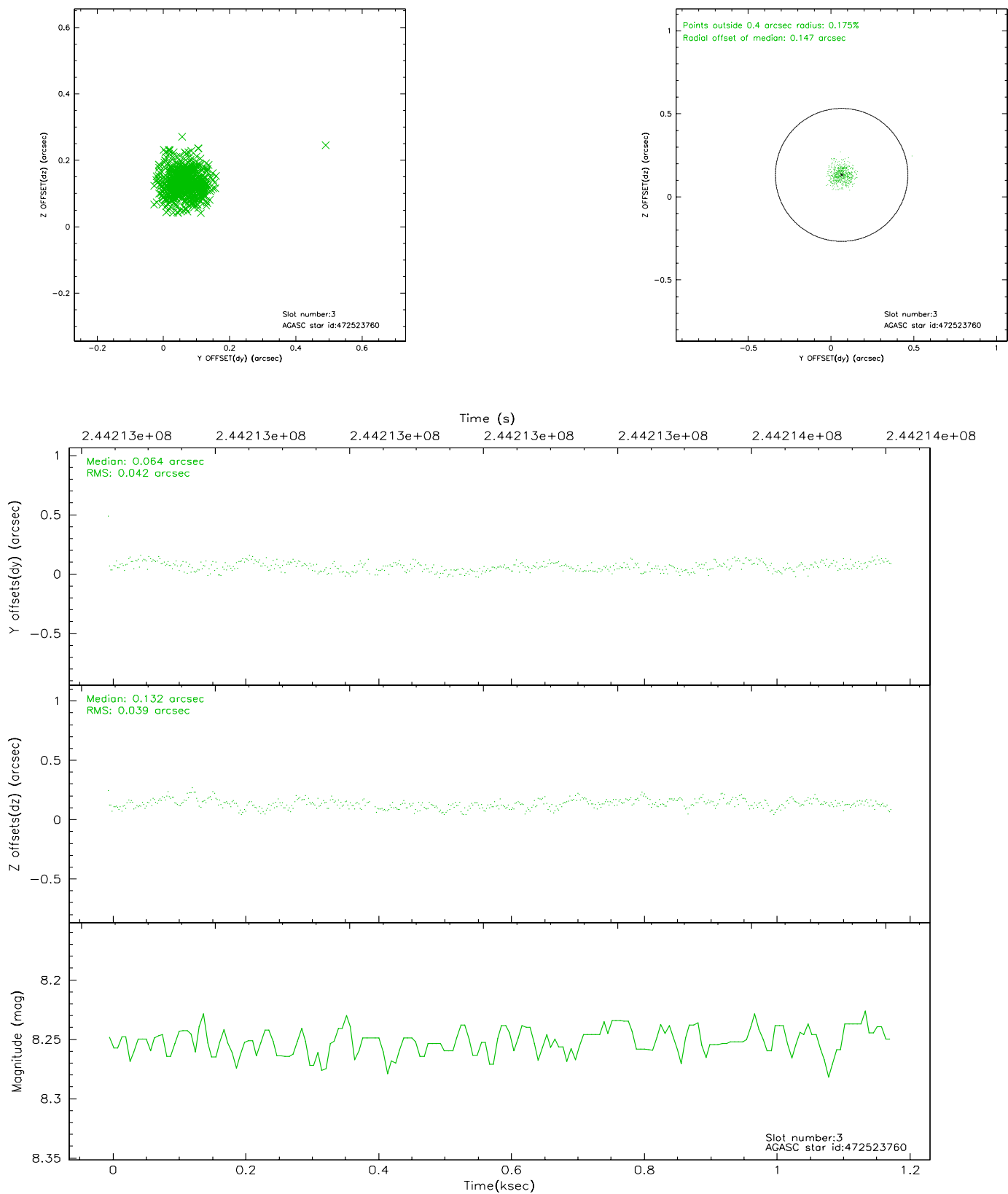


### Slot Statistics

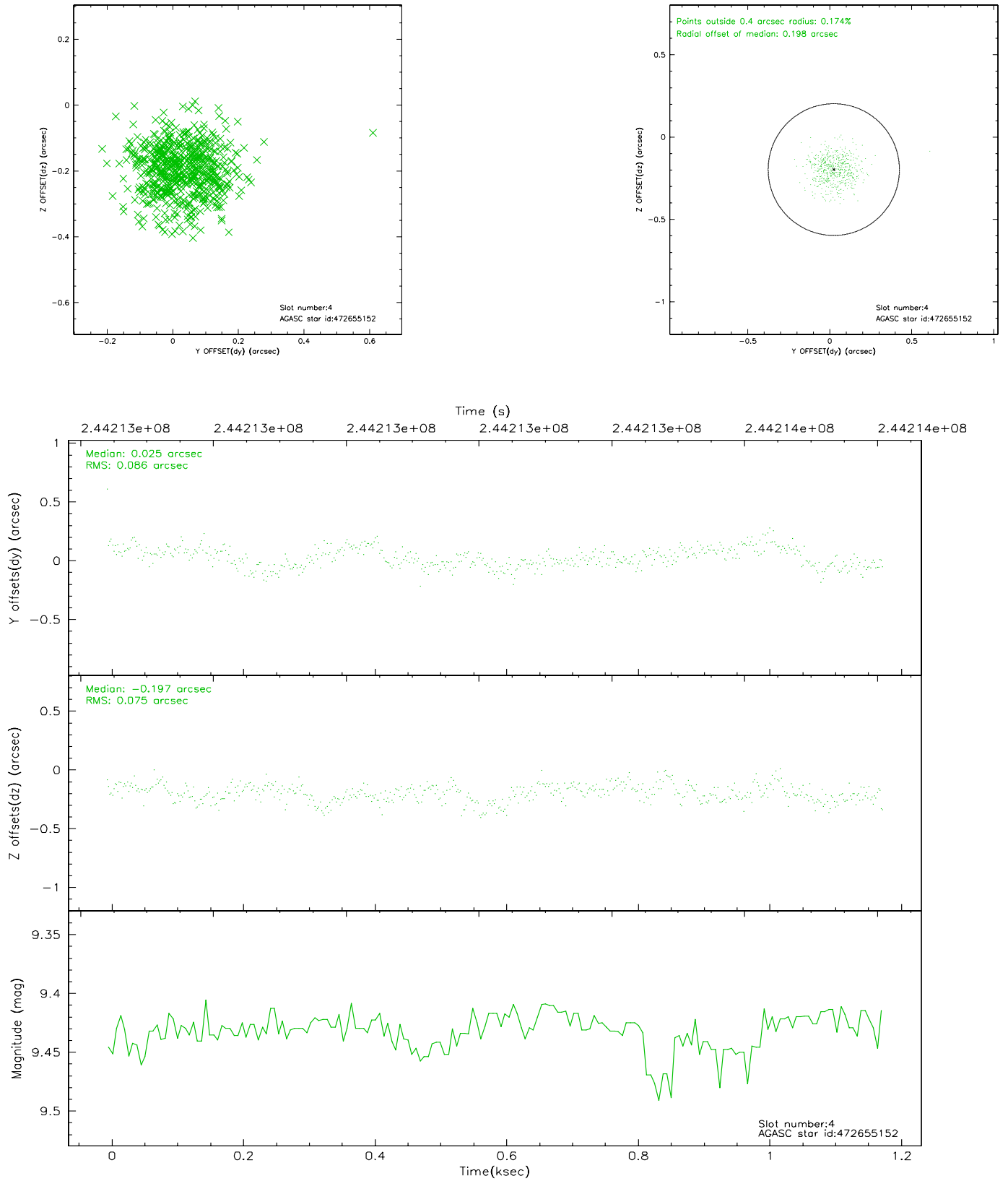
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	288	-0.019	0.062	0.008	0.014	0.000000	0.000000	-764.54	-1296.54
1	FID	HRC-I-2	7.02	288	0.164	-0.123	0.007	0.011	0.000000	0.000000	845.62	-1302.81
2	FID	HRC-I-3	7.06	288	-0.026	-0.028	0.007	0.011	0.000000	0.000000	-1190.08	1003.41
3	GUIDE	472523760	8.25	573	0.064	0.132	0.059	0.092	331.645363	45.403260	1870.57	-165.10
4	GUIDE	472655152	9.43	576	0.025	-0.197	0.119	0.195	332.504239	45.862991	-840.27	52.82
5	GUIDE	472665256	9.01	576	0.112	0.023	0.091	0.183	332.808125	46.195041	-2206.65	-335.89
6	GUIDE	472525528	6.66	576	-0.197	-0.076	0.073	0.121	331.551102	45.248694	2417.68	84.52
7	GUIDE	472659832	9.47	575	-0.001	0.144	0.111	0.178	332.780399	46.098139	-1918.12	-120.36

## 2.4 Star Slots

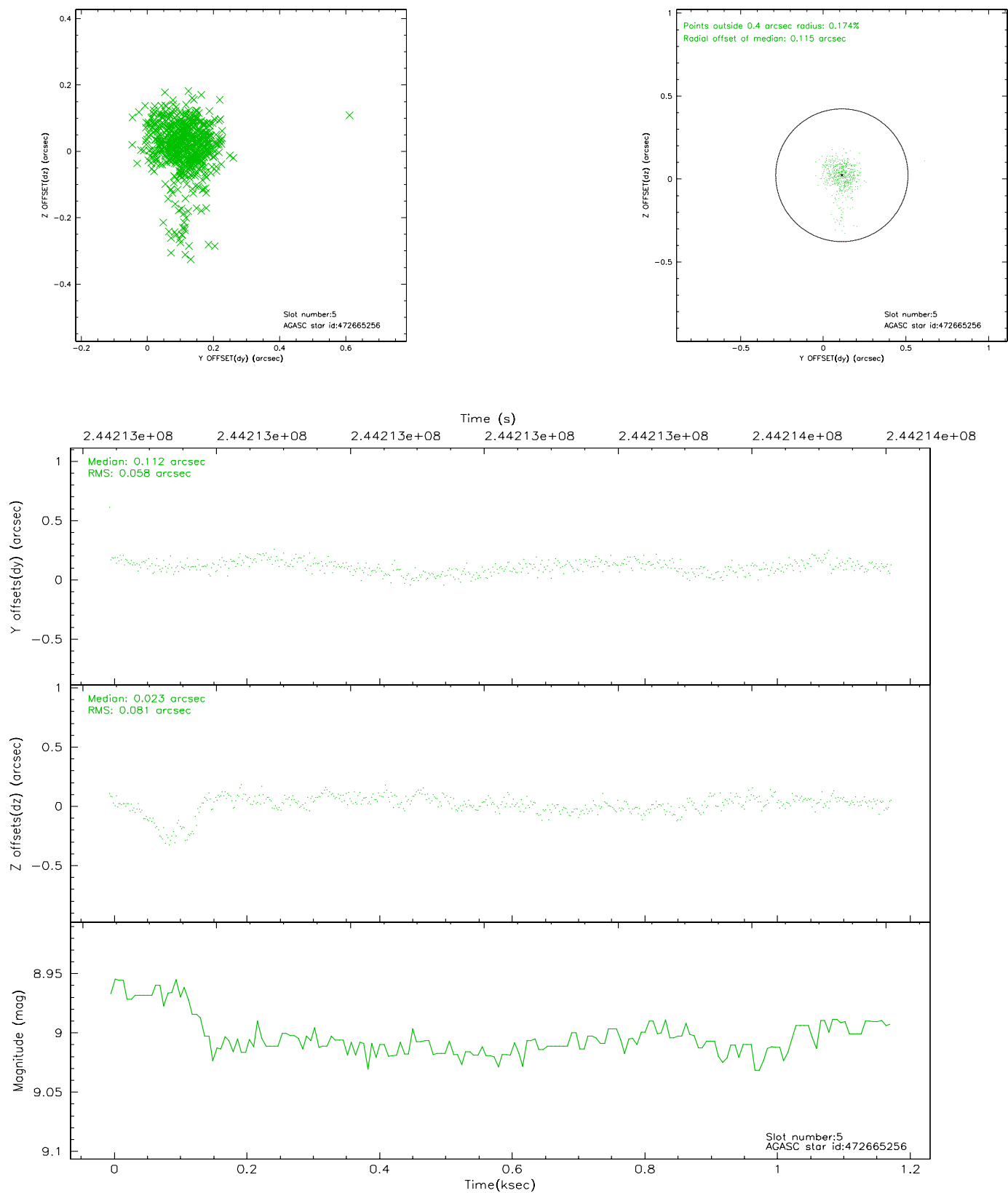
### 2.4.1 Slot 3



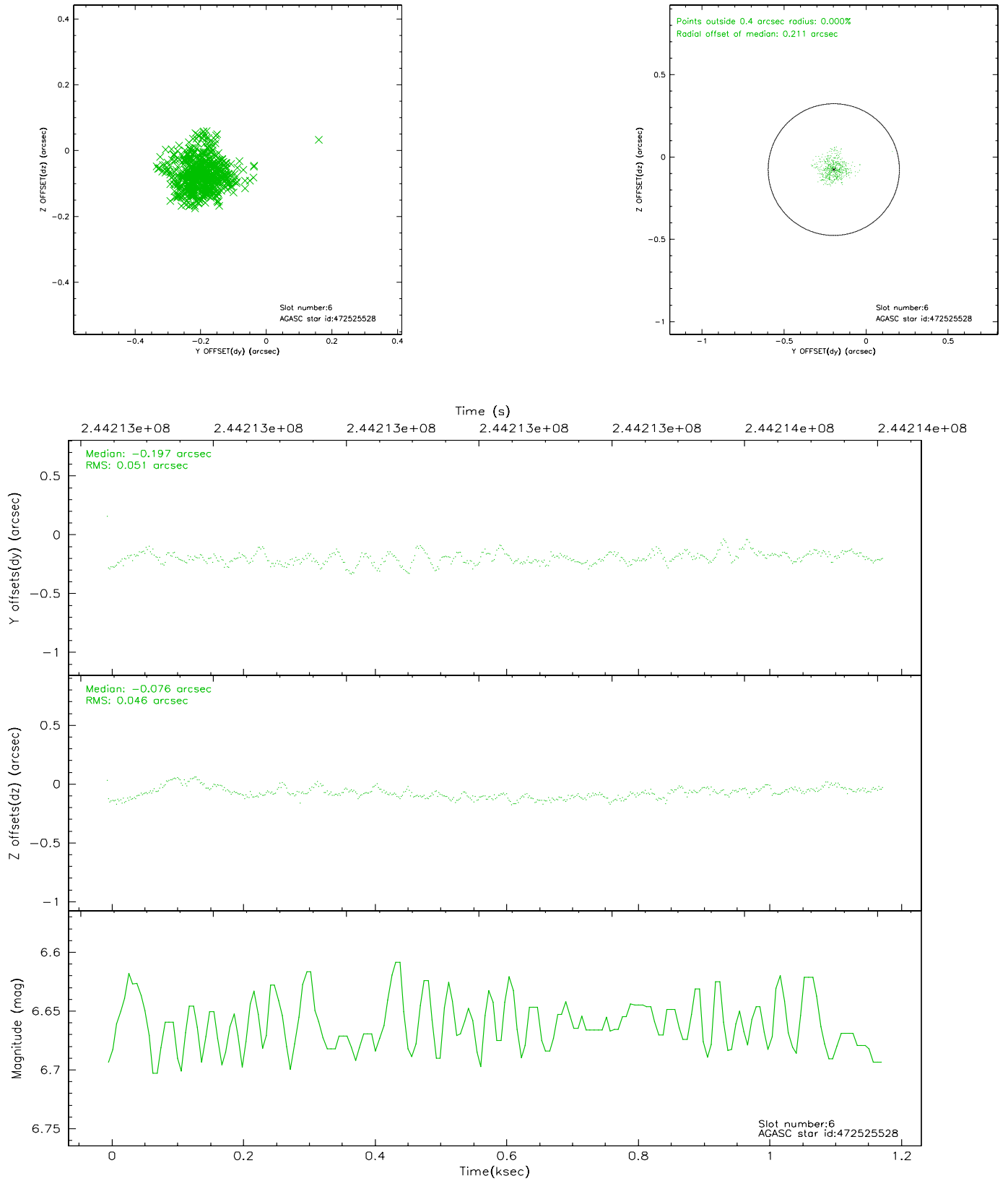
## 2.4.2 Slot 4



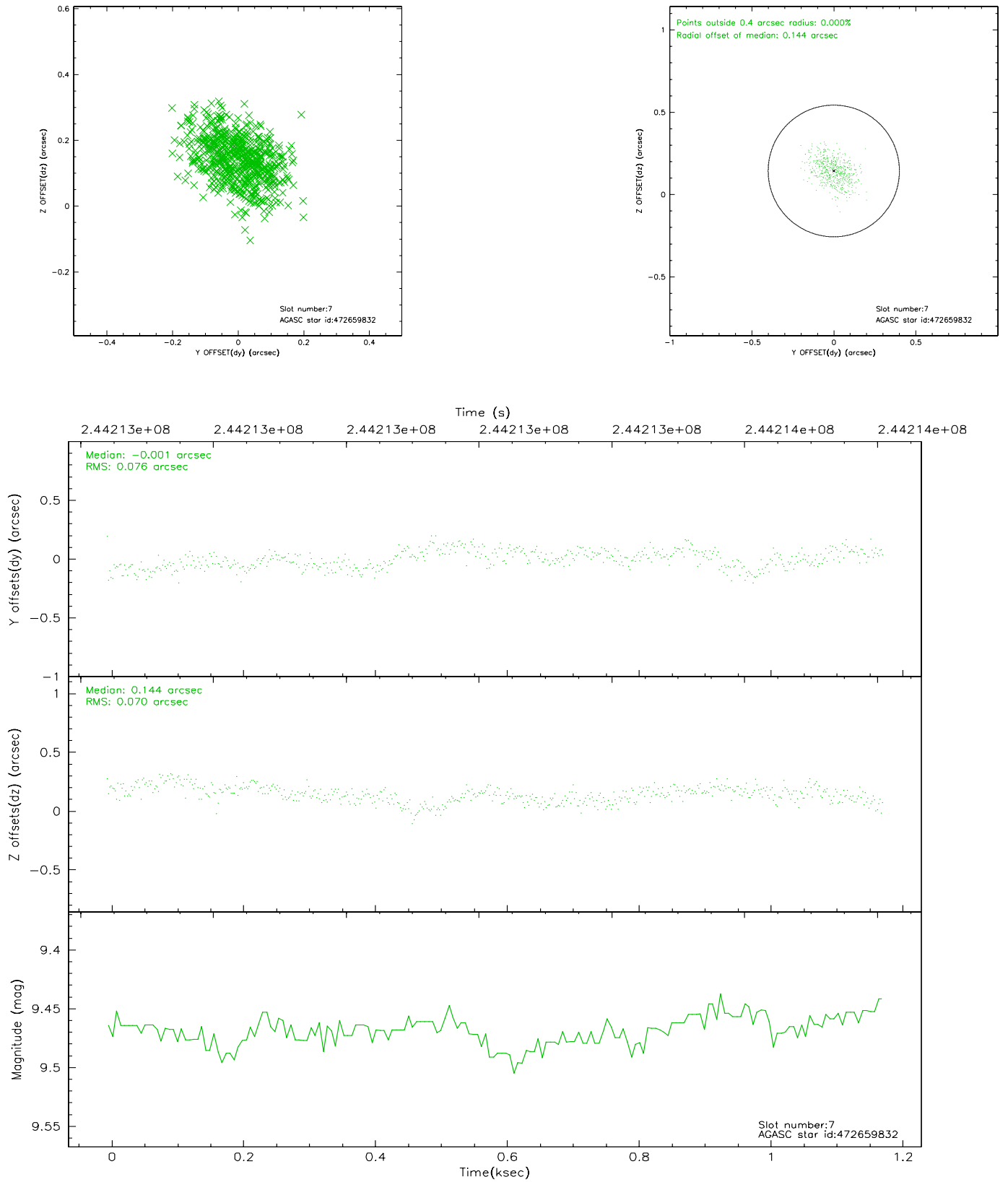
### 2.4.3 Slot 5



## 2.4.4 Slot 6

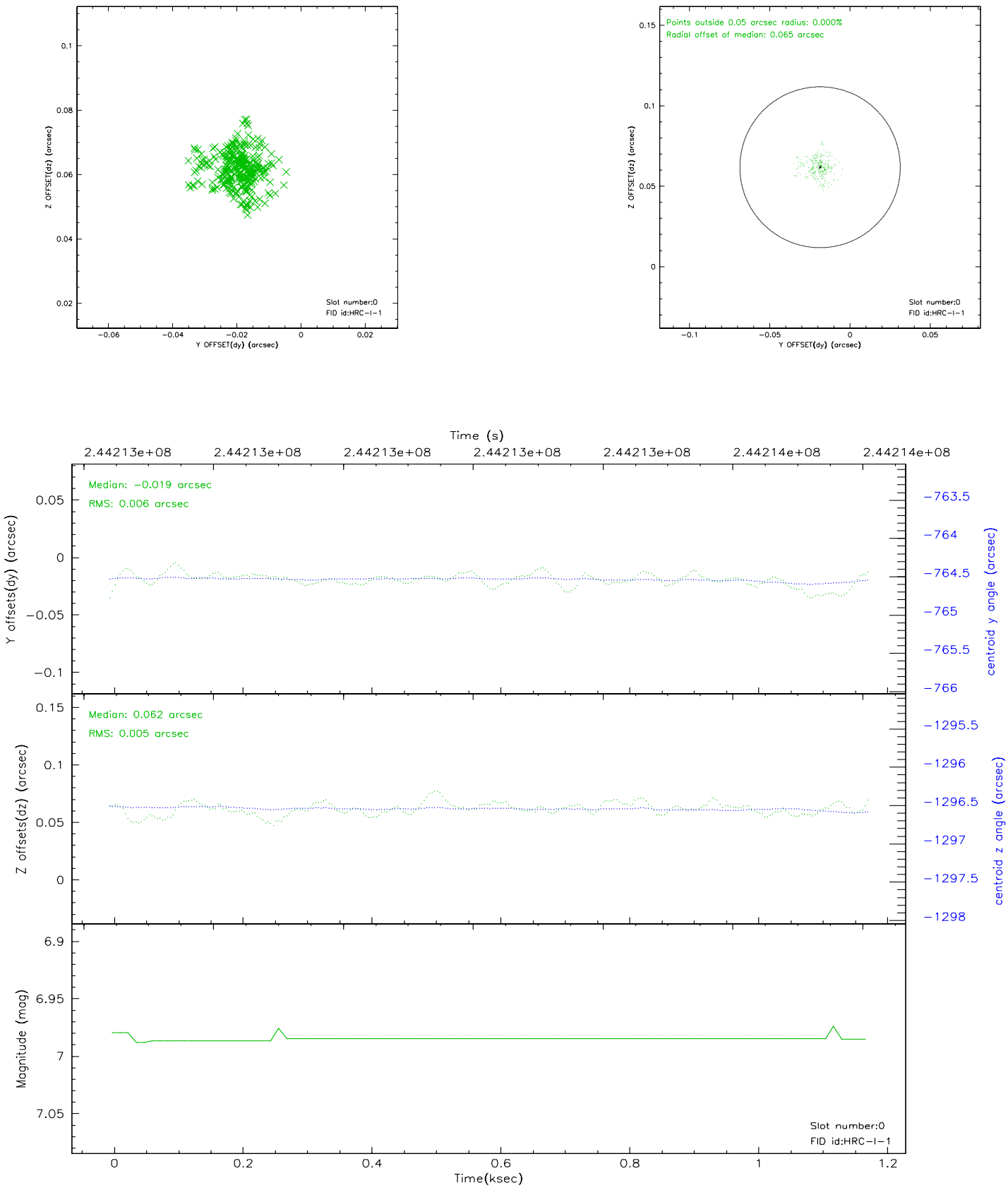


## 2.4.5 Slot 7

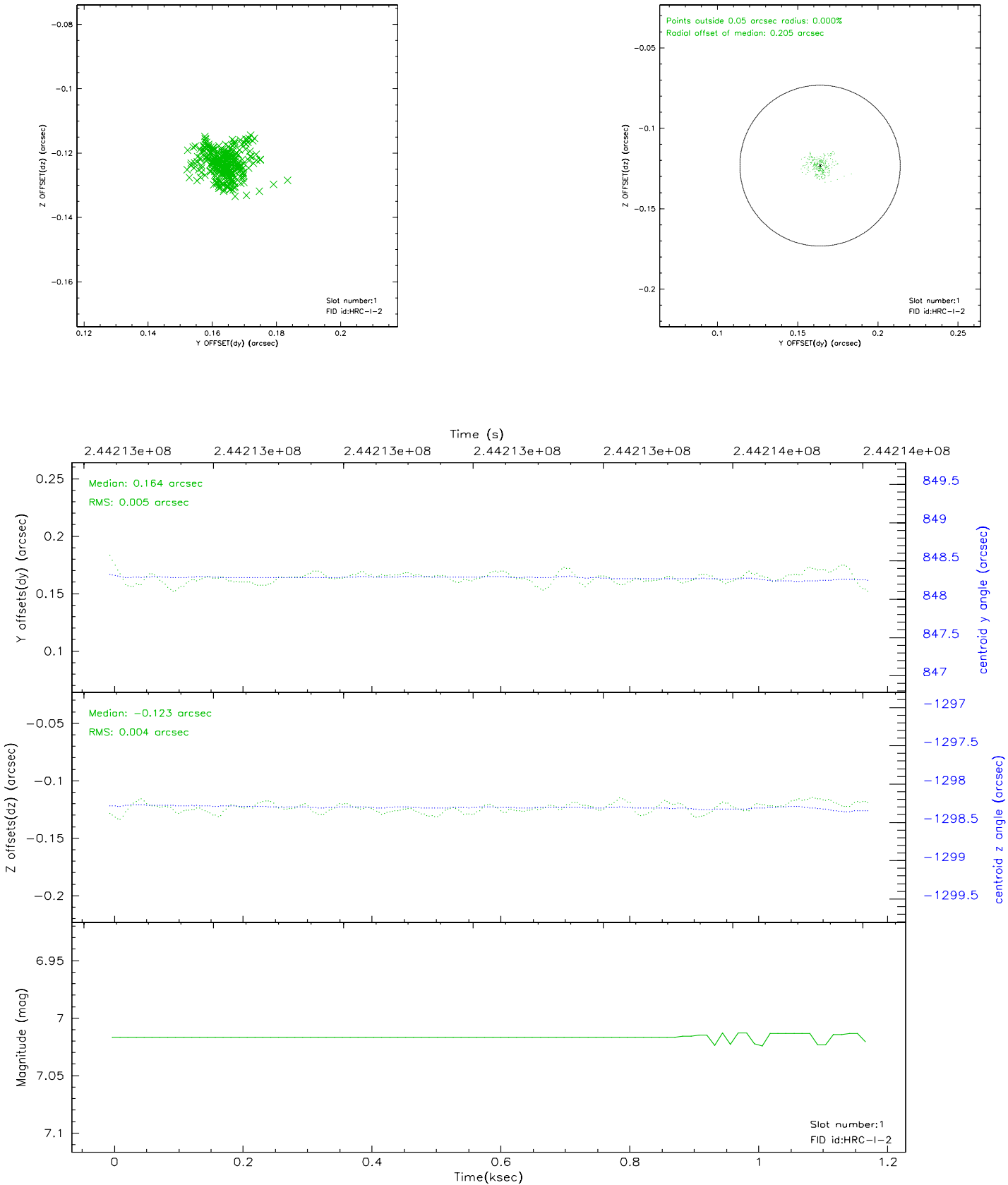


# 2.5 FID Slots

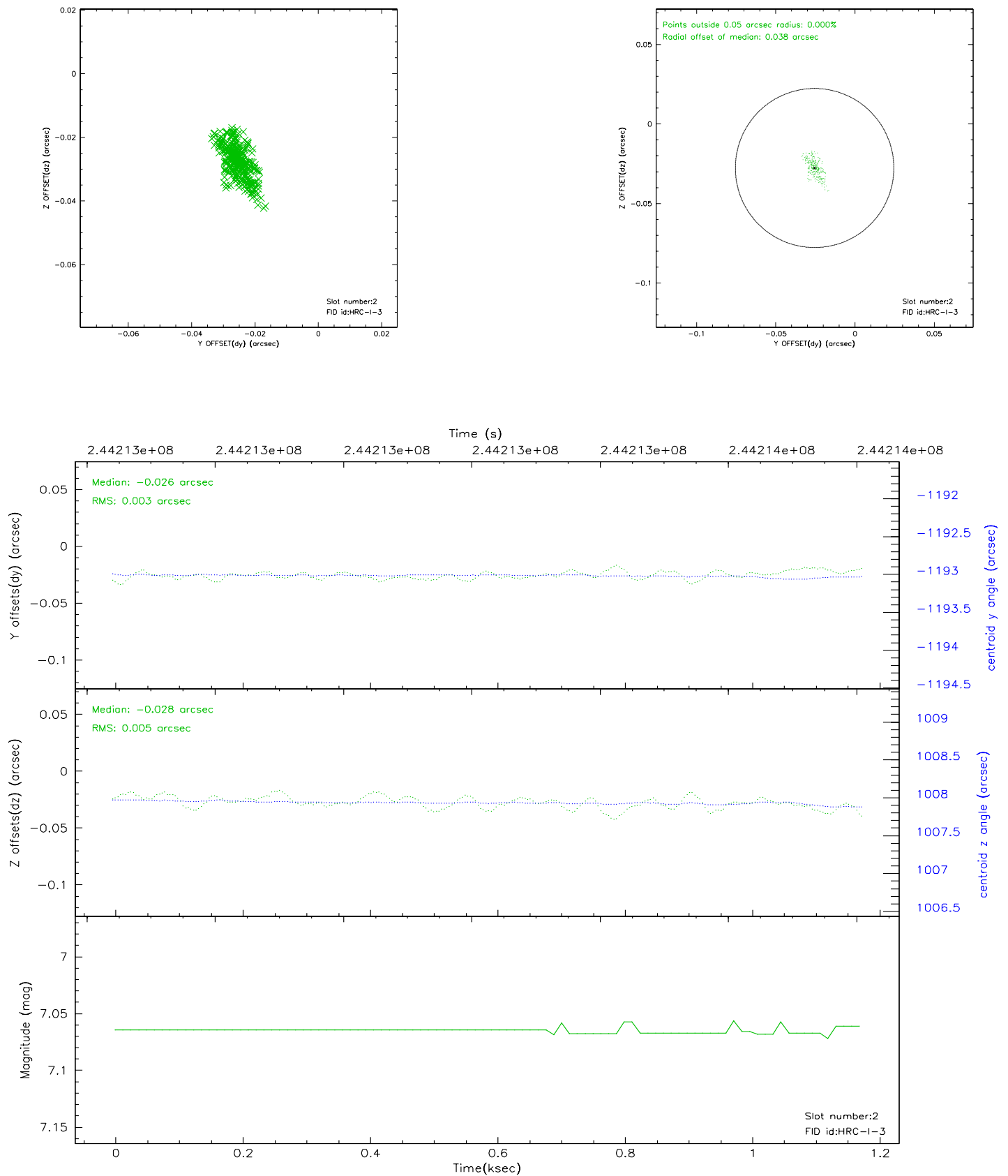
## 2.5.1 Slot 0



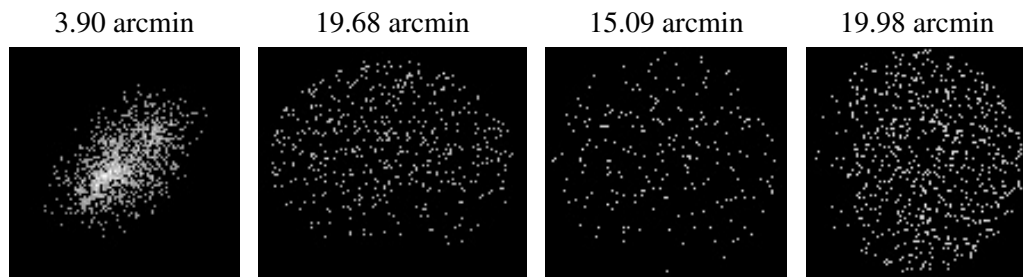
2.5.2 Slot 1



### 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	1.177981

### 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.