

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2665 - L2 Version 001  
Chandra X-Ray Center

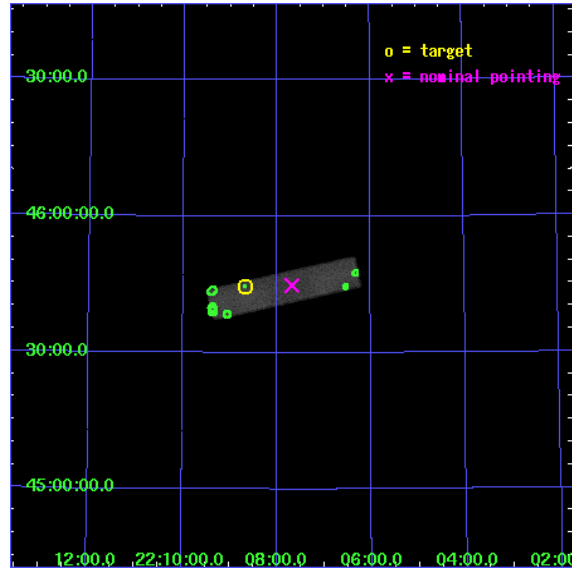
L2 Processing Date : Sep 30 2006

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# 1 Front

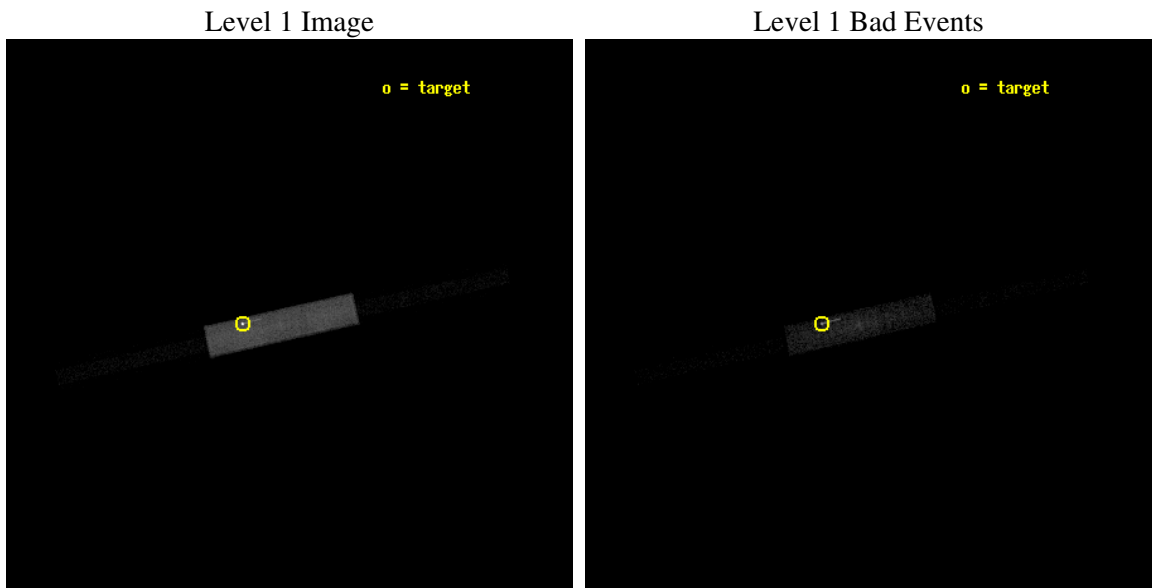
seq_num	290221
obs_id	2665
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.91987886565
dec_nom	45.747670544071
roll_nom	167.37268839429
revision	2
ontime	1143.1312970817
livetime	1135.4862968033
l2events	57051



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T13:58:47
revision	2

sched_exp_time	1000.000000
ontime	1191.0500490367
l1events	87934

### 2.1.3 Events

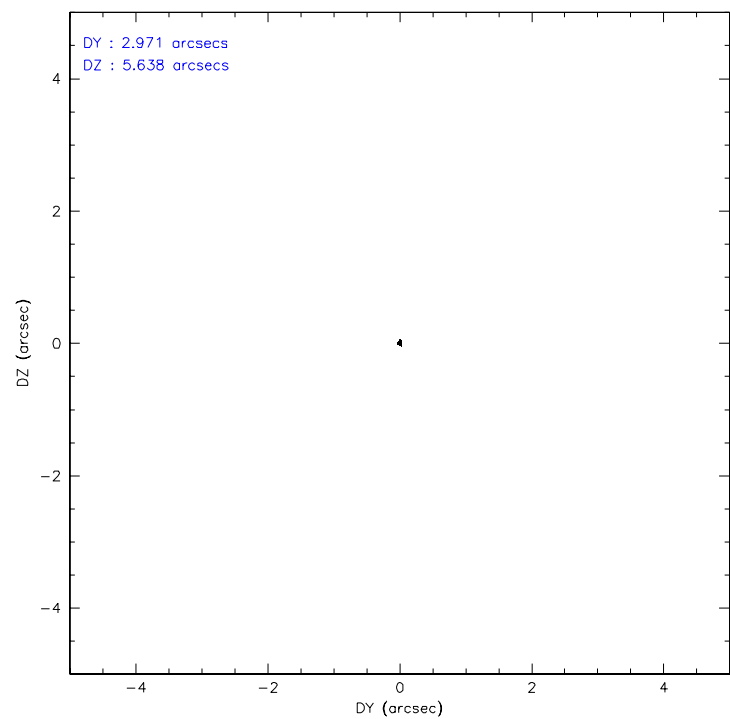
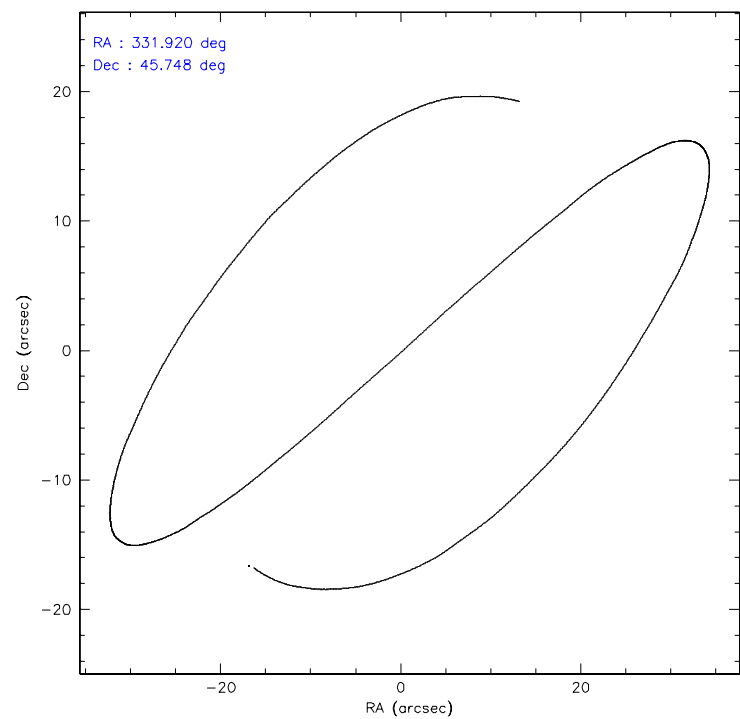
Level 1 Events

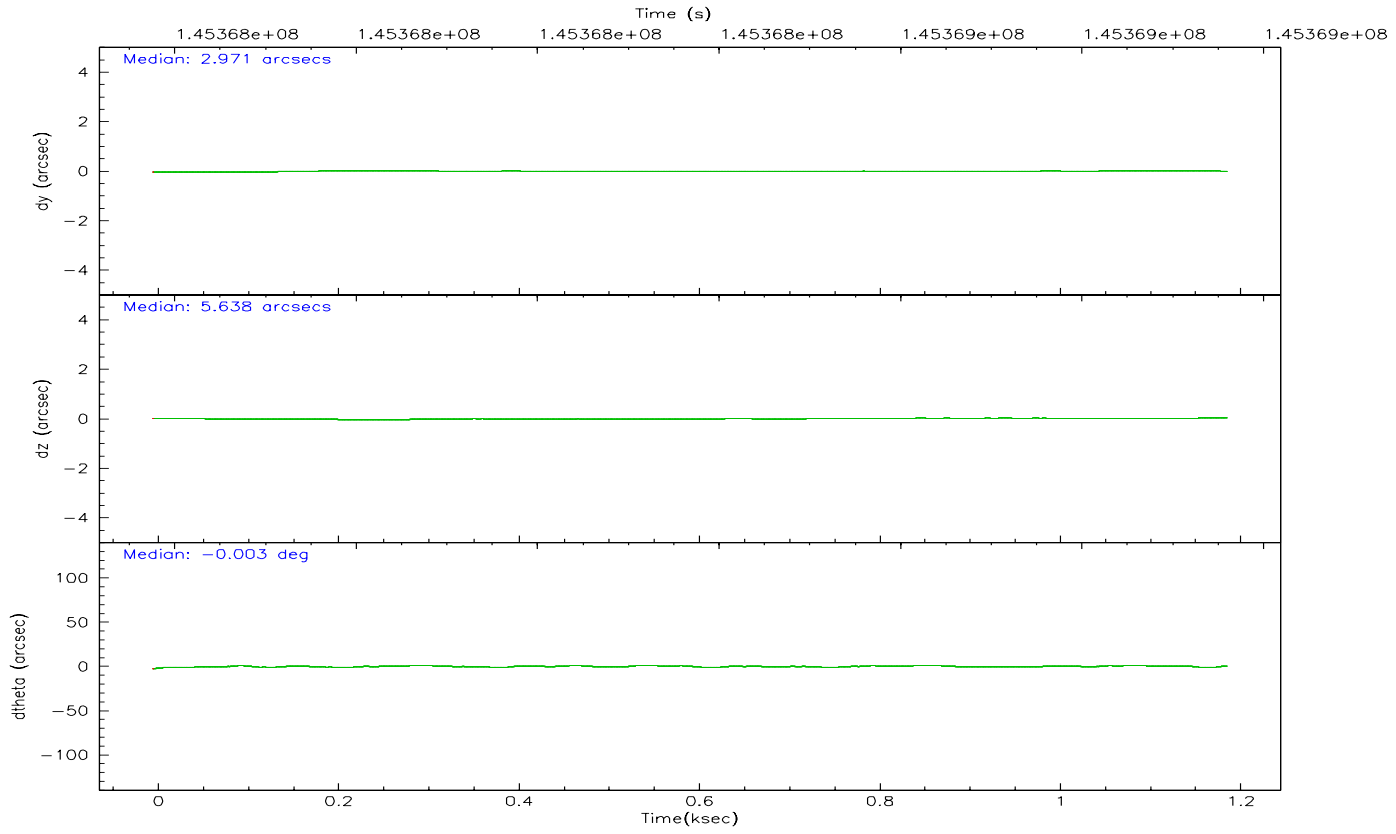
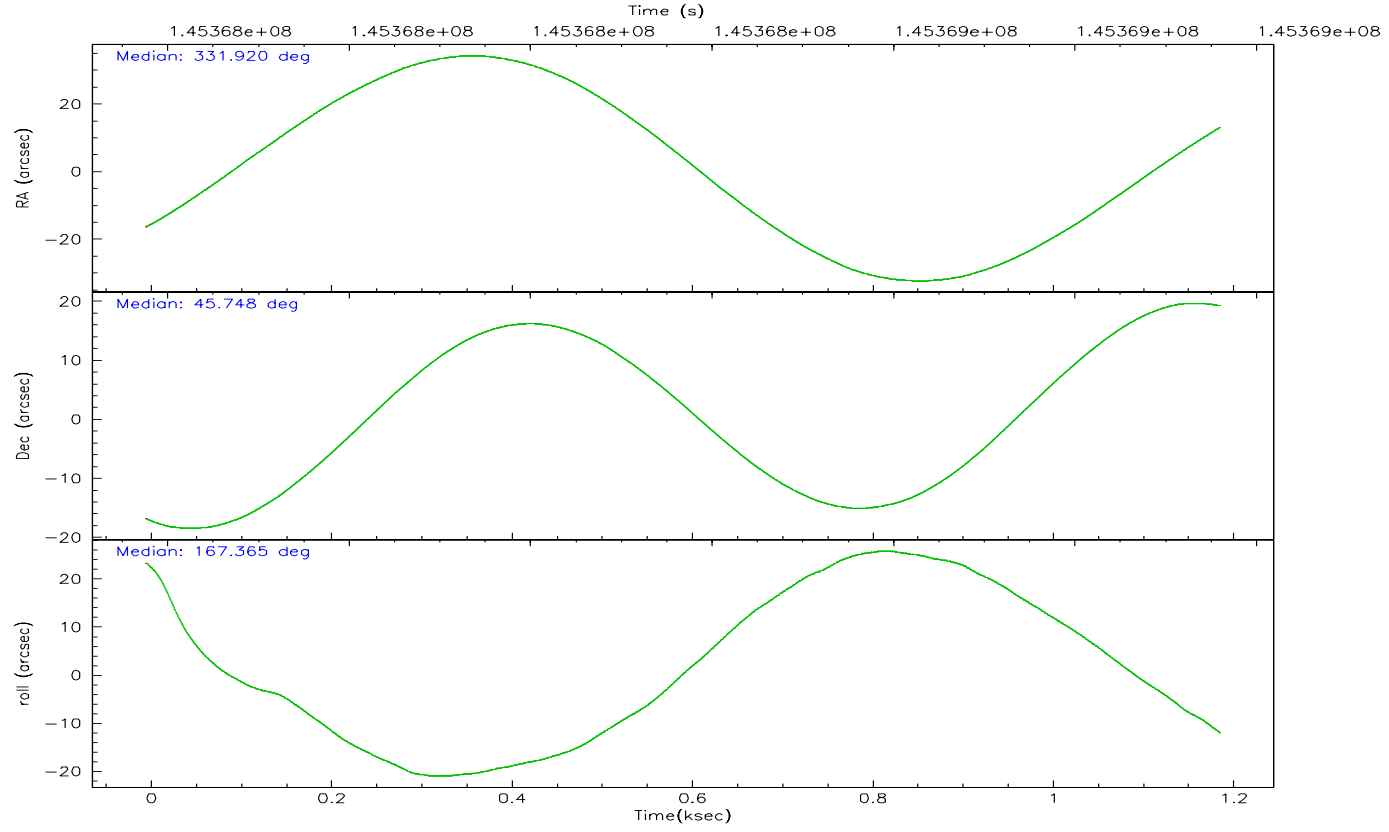
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1419	85162	1353
rejected events	1419	25174	1353
rejected %	100%	29%	100%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	331.958496	331.9198788656475			
Pointing Dec	45.757714	45.74767054407108			
Pointing Roll	167.277537	167.3726883942935			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	145367960.184000	145367585.01525			
Observation start date	2002-08-10T11:58:16	2002-08-10T11:53:05			
Observation end time	145368960.184000	145369094.84031			
Observation end date	2002-08-10T12:14:56	2002-08-10T12:18:14			

2.3 Aspect





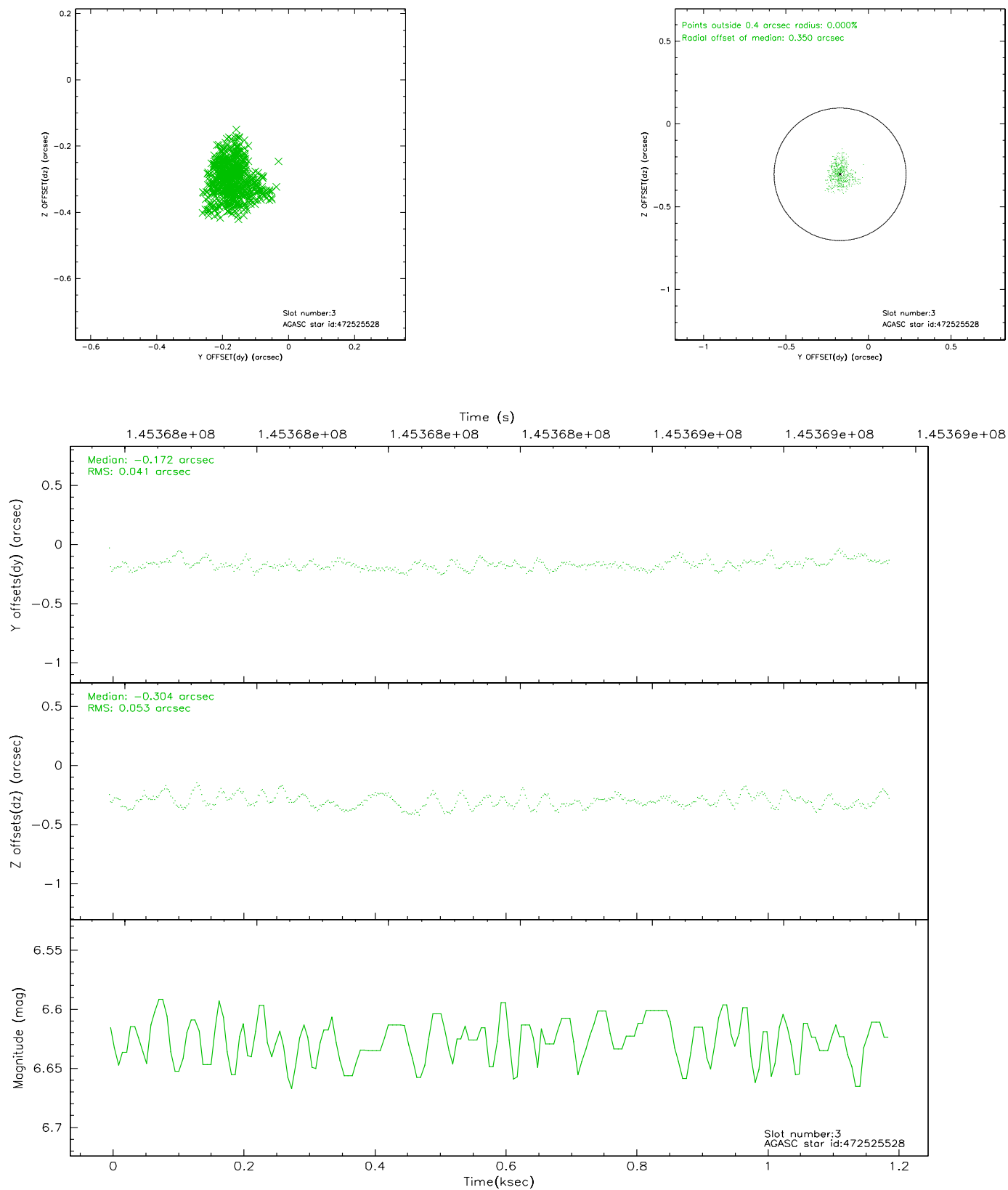
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	291	0.157	-0.157	0.007	0.010	0.000000	0.000000	-1156.99	-454.18
1	FID	HRC-S-2	7.00	291	0.098	-0.099	0.004	0.009	0.000000	0.000000	1238.65	-448.34
2	FID	HRC-S-3	7.01	291	0.134	-0.047	0.007	0.012	0.000000	0.000000	-1155.47	573.92
3	GUIDE	472525528	6.62	582	-0.172	-0.304	0.072	0.116	331.551102	45.248694	604.75	2011.87
4	GUIDE	472536328	8.13	582	-0.155	0.187	0.060	0.106	331.496671	46.454831	1672.85	-2195.43
5	GUIDE	472665256	9.02	582	0.168	0.162	0.075	0.120	332.808125	46.195041	-1711.86	-2017.08
6	GUIDE	472527656	9.16	582	0.043	-0.105	0.103	0.182	331.004689	45.273362	1974.03	2215.51
7	GUIDE	472659832	9.45	581	0.122	0.072	0.089	0.156	332.780399	46.098139	-1724.52	-1654.22

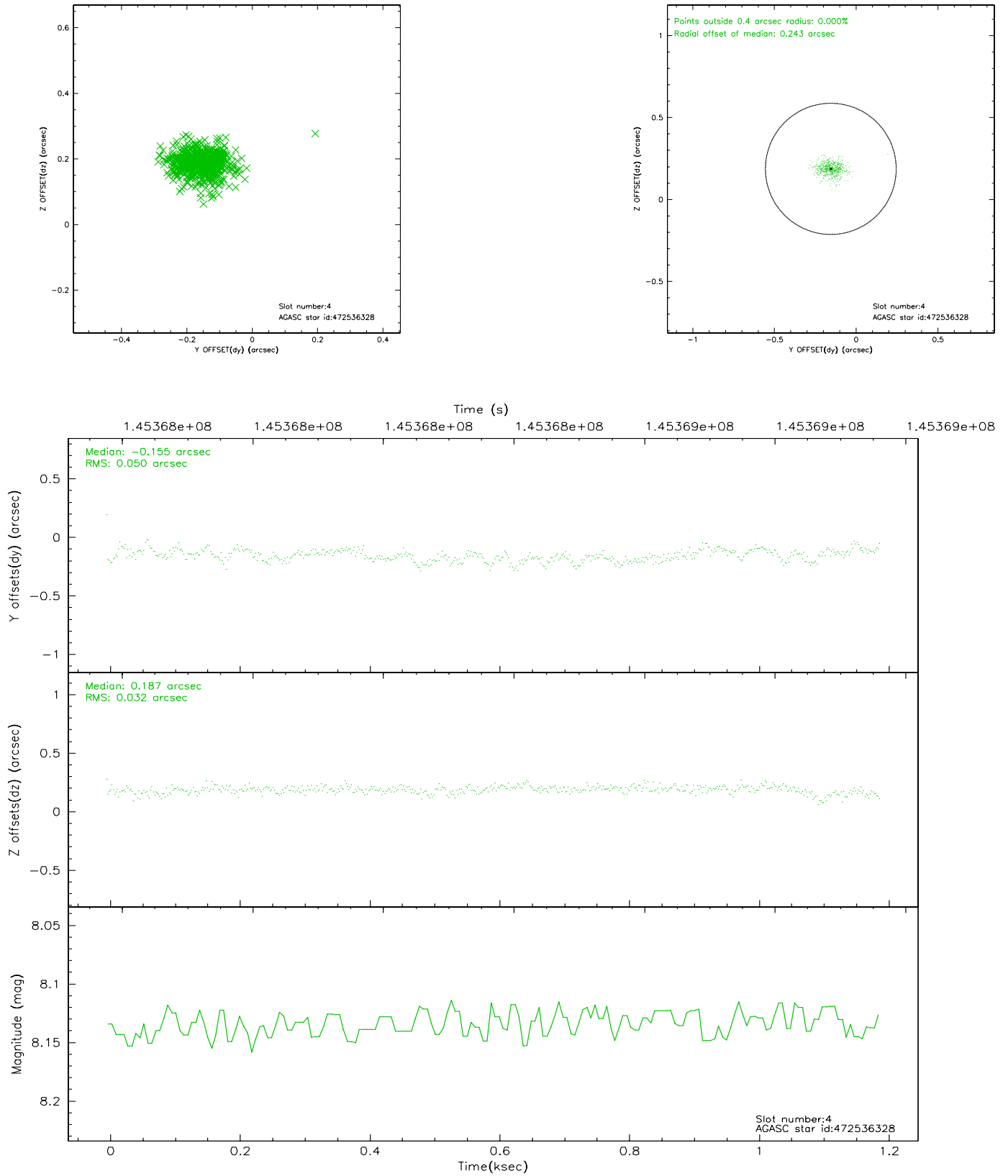


## 2.4 Star Slots

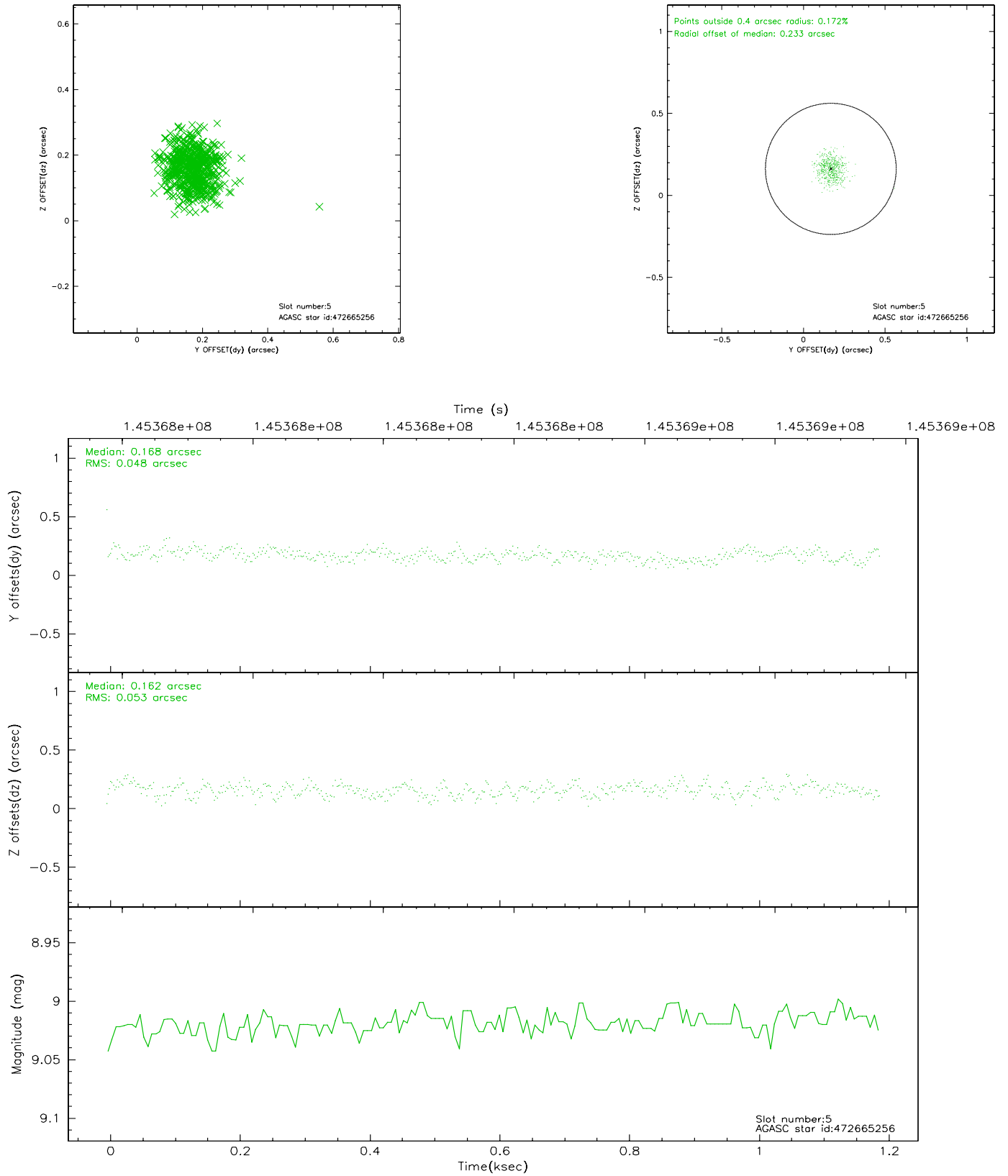
### 2.4.1 Slot 3



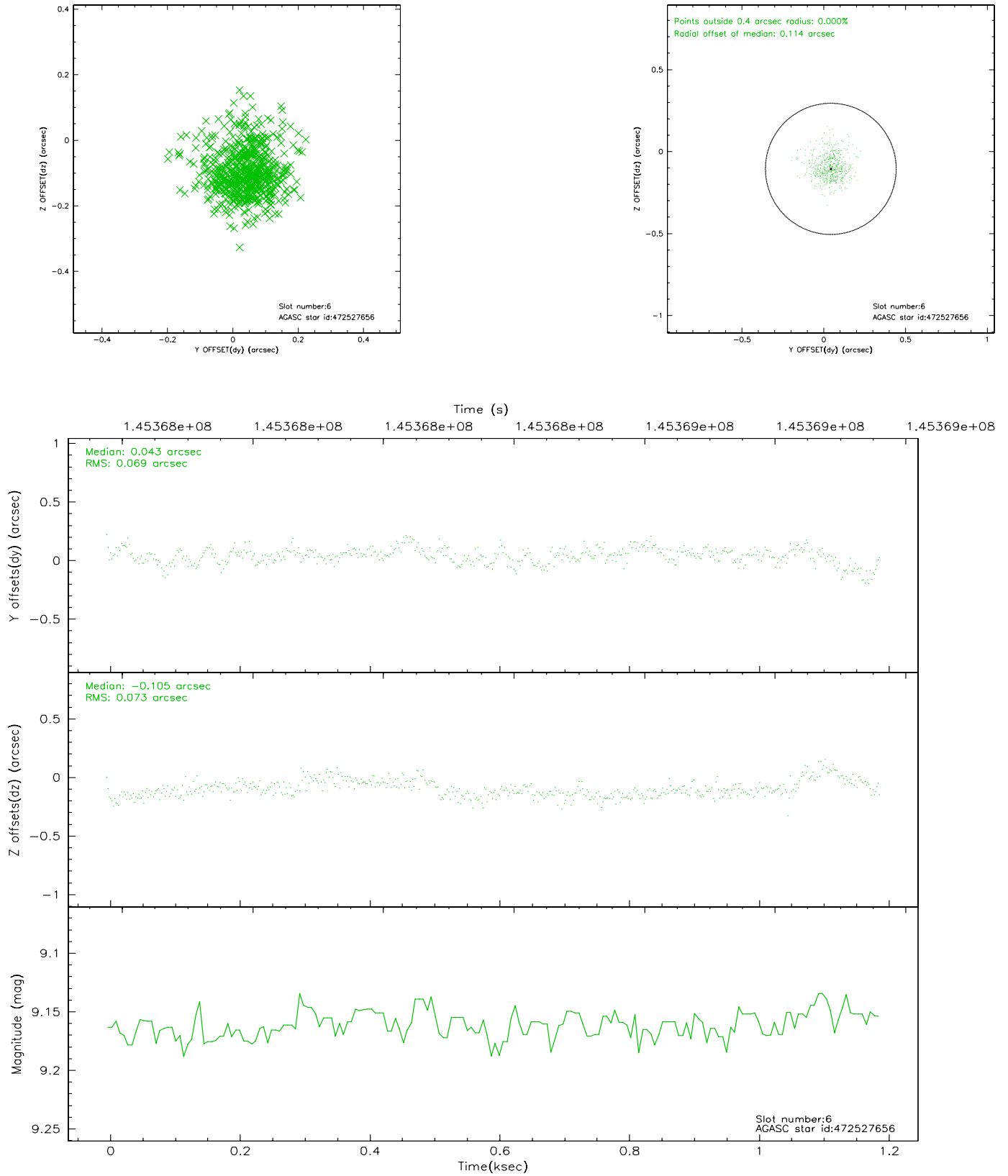
## 2.4.2 Slot 4



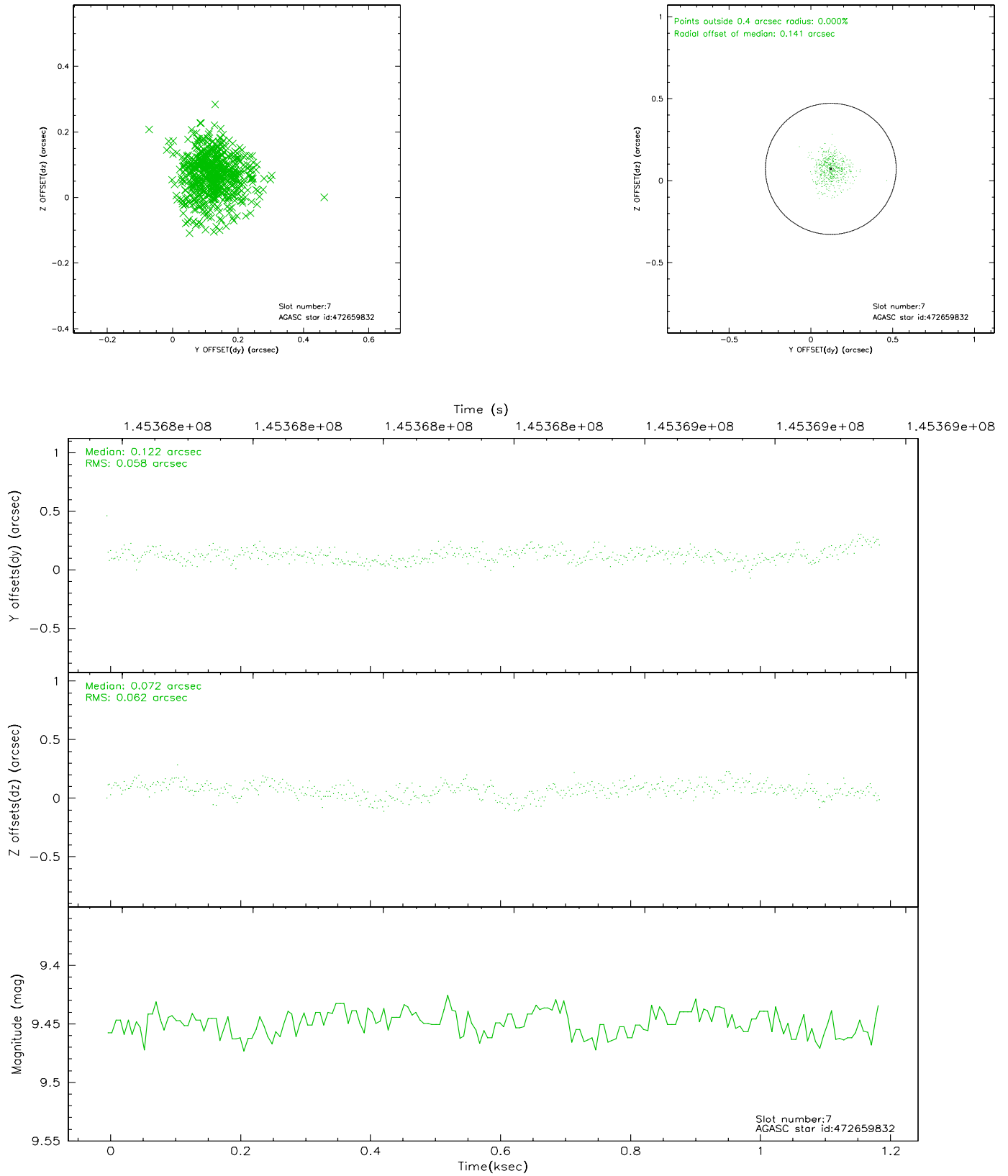
### 2.4.3 Slot 5



## 2.4.4 Slot 6

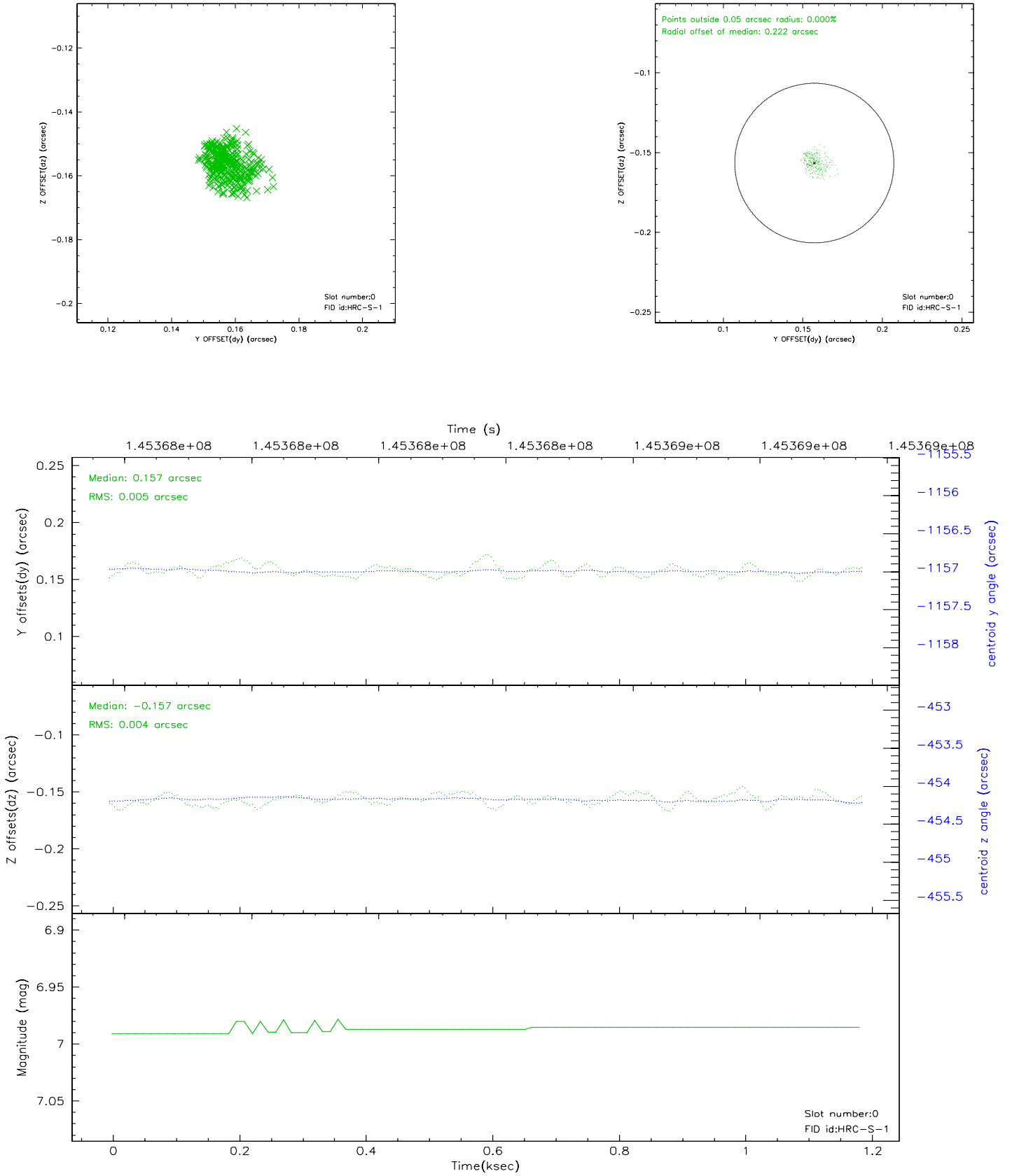


## 2.4.5 Slot 7

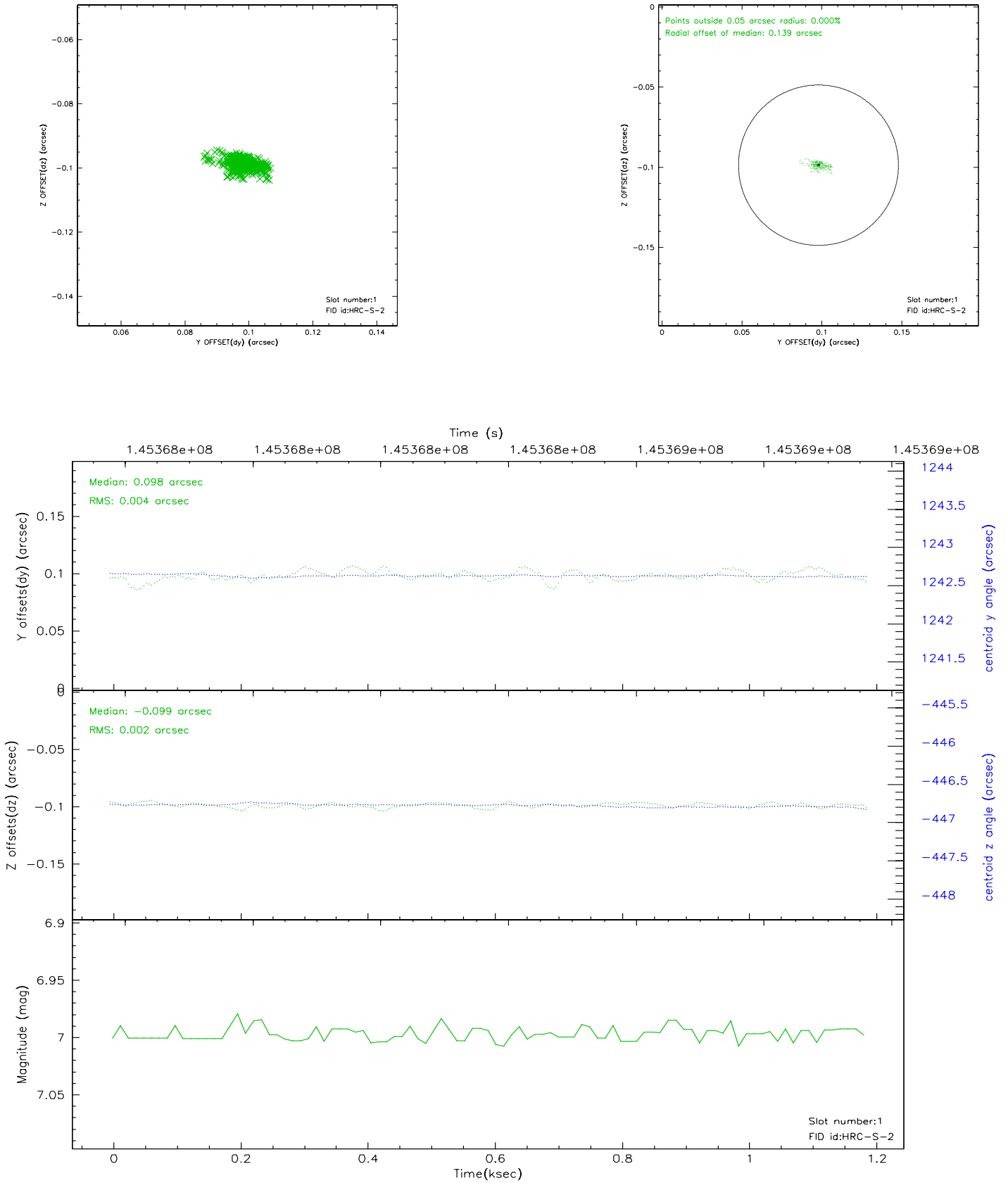


## 2.5 FID Slots

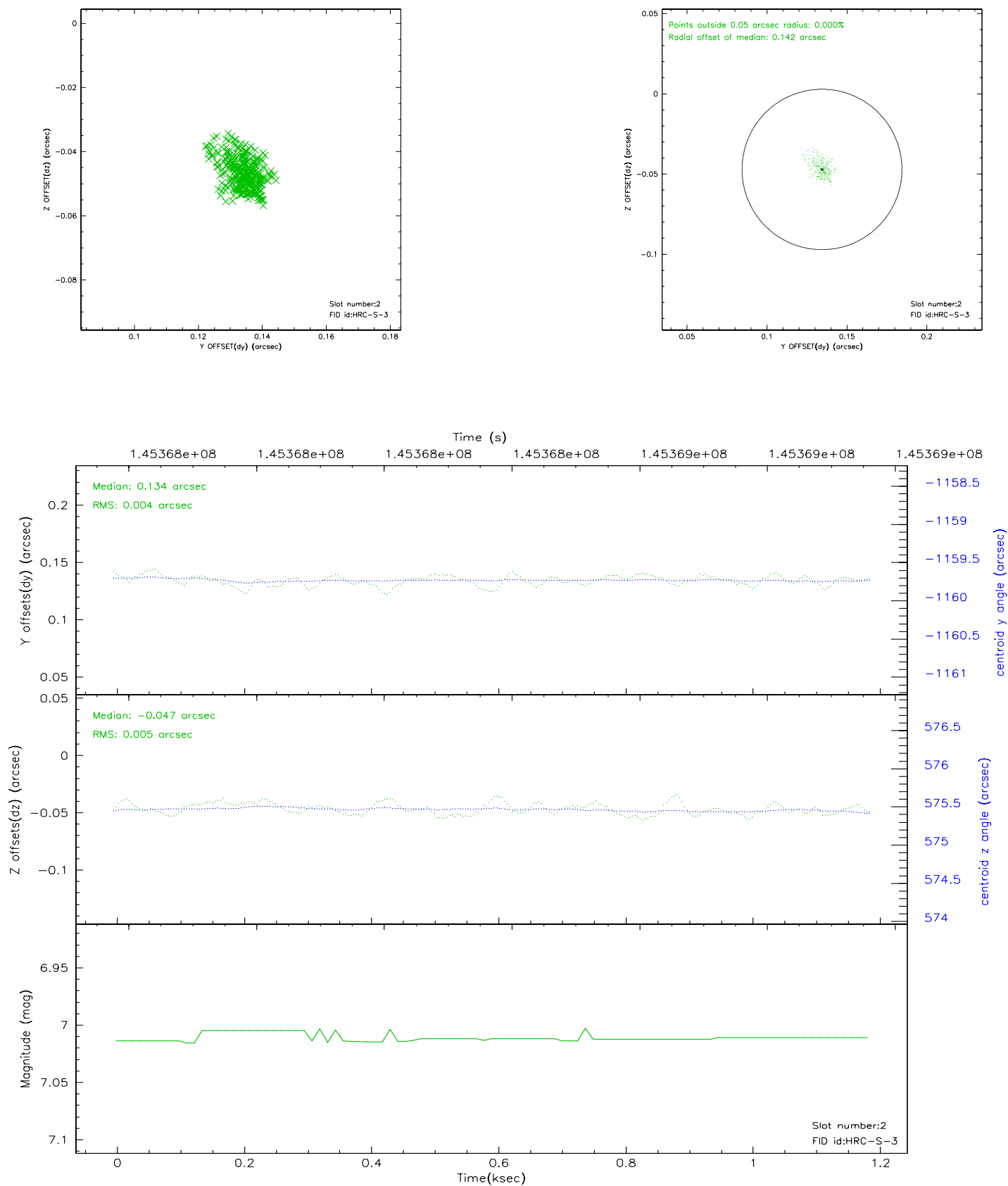
### 2.5.1 Slot 0



## 2.5.2 Slot 1

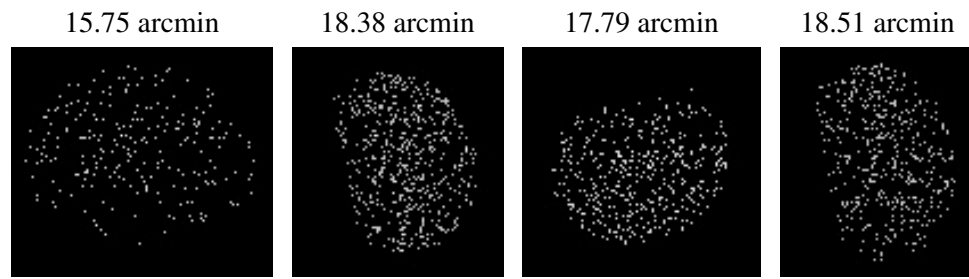


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 1.19 ks although with the current processing the charge time would have been 1.14 ksec.

Monitor constraint met.

The source is away from the aim point of the chip, and therefore is extended and asymmetric.