

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2664 - L2 Version 001  
Chandra X-Ray Center

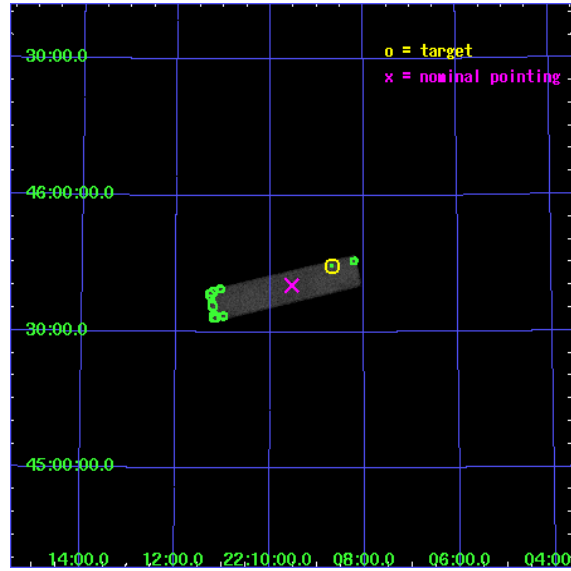
L2 Processing Date : Sep 30 2006

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# 1 Front

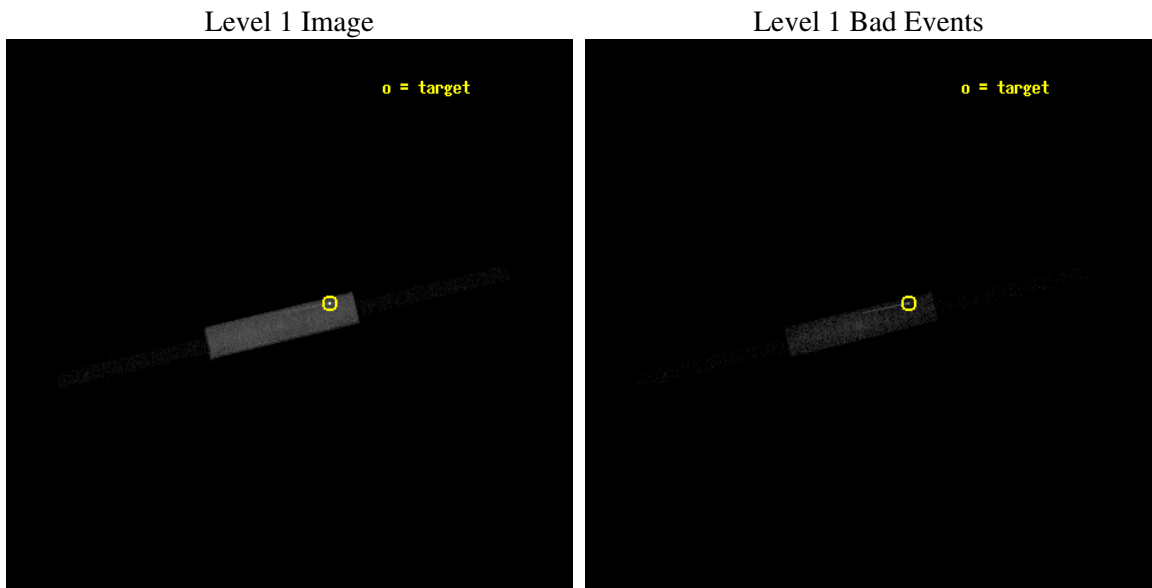
seq_num	290220
obs_id	2664
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.38411274888
dec_nom	45.672406010171
roll_nom	166.51426000381
revision	2
ontime	1142.1062970161
livetime	1134.730745666
l2events	53930



## 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	2006-09-30T13:56:55
revision	2

sched_exp_time	1000.000000
ontime	1190.281298995
l1events	87932

### 2.1.3 Events

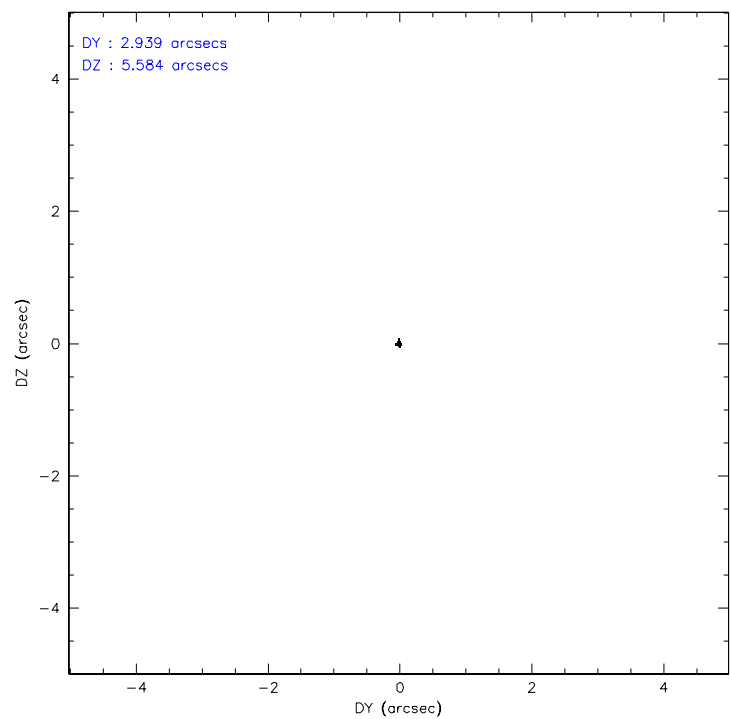
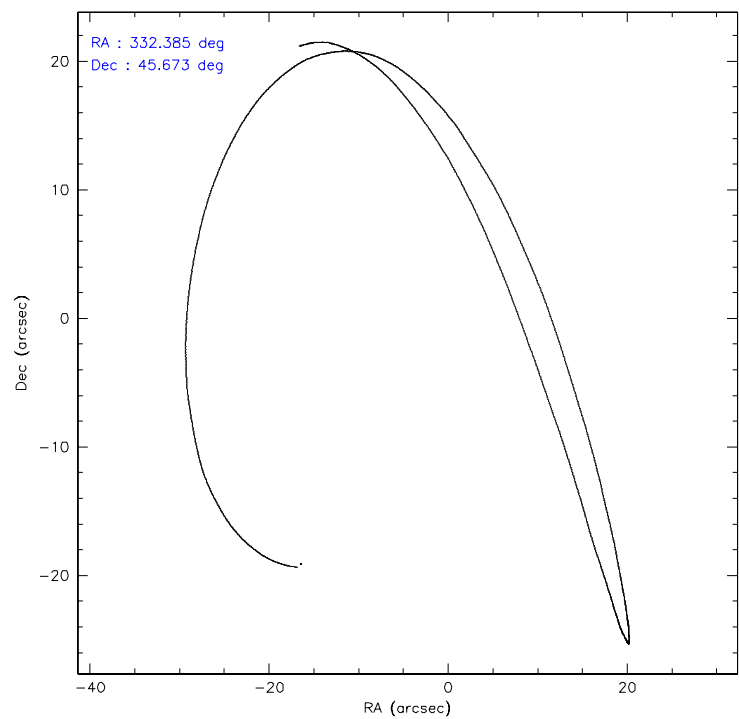
Level 1 Events

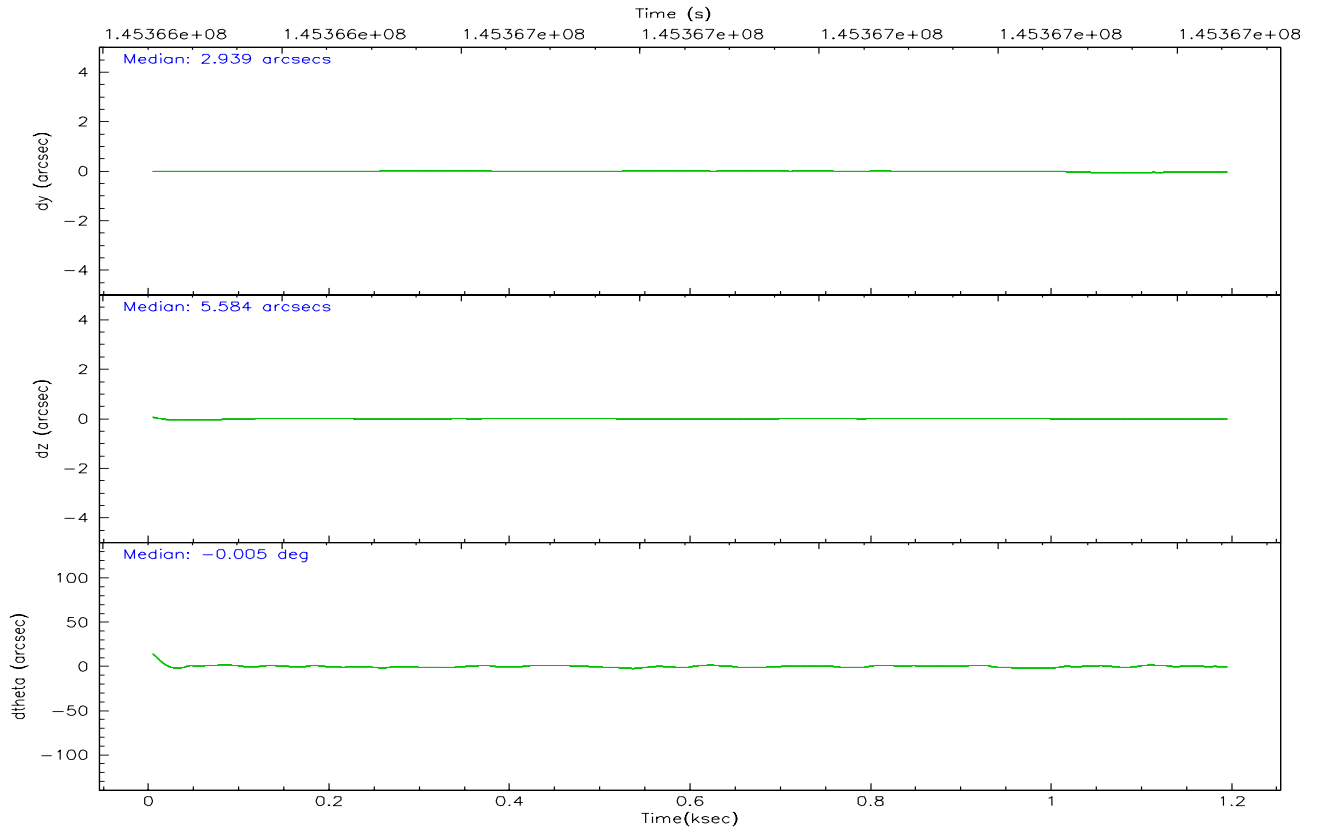
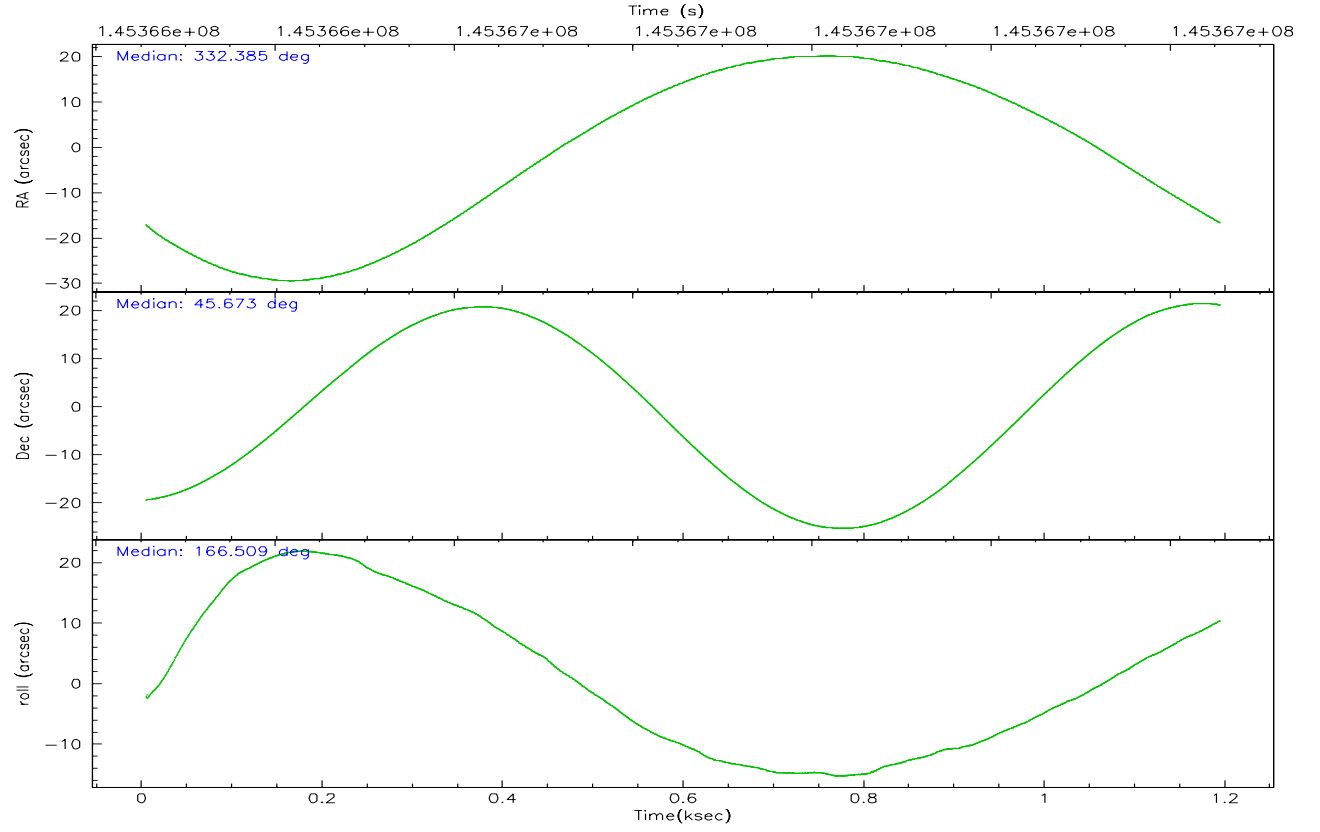
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1692	84694	1546
rejected events	1692	27979	1546
rejected %	100%	33%	100%

## 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	332.423127	332.3841127488813			
Pointing Dec	45.681733	45.67240601017122			
Pointing Roll	166.419047	166.5142600038119			
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	145366450.184000	145366074.16519			
Observation start date	2002-08-10T11:33:06	2002-08-10T11:27:54			
Observation end time	145367450.184000	145367585.01525			
Observation end date	2002-08-10T11:49:46	2002-08-10T11:53:05			

## 2.3 Aspect





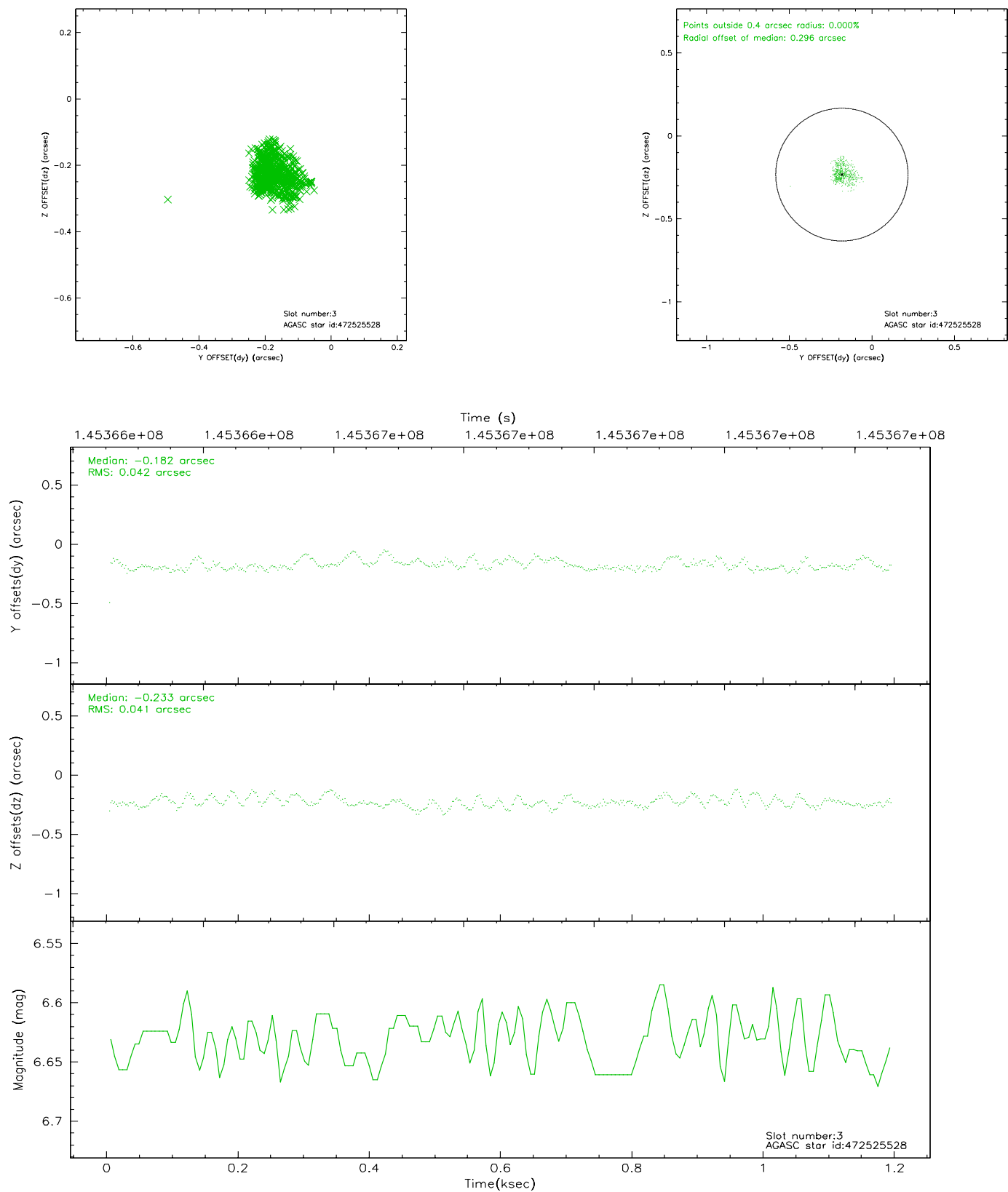
### Slot Statistics

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	0.113	-0.160	0.009	0.014	0.000000	0.000000	-1156.98	-454.17
1	FID	HRC-S-3	7.01	291	0.135	-0.044	0.008	0.015	0.000000	0.000000	-1163.69	573.92
2	FID	HRC-S-4	6.93	291	0.139	-0.093	0.006	0.009	0.000000	0.000000	1237.27	580.04
3	GUIDE	472525528	6.63	582	-0.182	-0.233	0.062	0.101	331.551102	45.248694	1784.91	2023.23
4	GUIDE	472523760	8.24	582	-0.085	-0.032	0.053	0.088	331.645363	45.403260	1680.73	1431.06
5	GUIDE	472660976	8.60	582	0.041	0.120	0.079	0.141	333.433329	46.196713	-2004.69	-2405.79
6	GUIDE	472665256	9.02	582	0.176	0.185	0.079	0.124	332.808125	46.195041	-501.14	-2027.16
7	GUIDE	472523568	9.35	581	0.041	-0.029	0.094	0.149	331.465966	45.371411	2093.24	1637.57

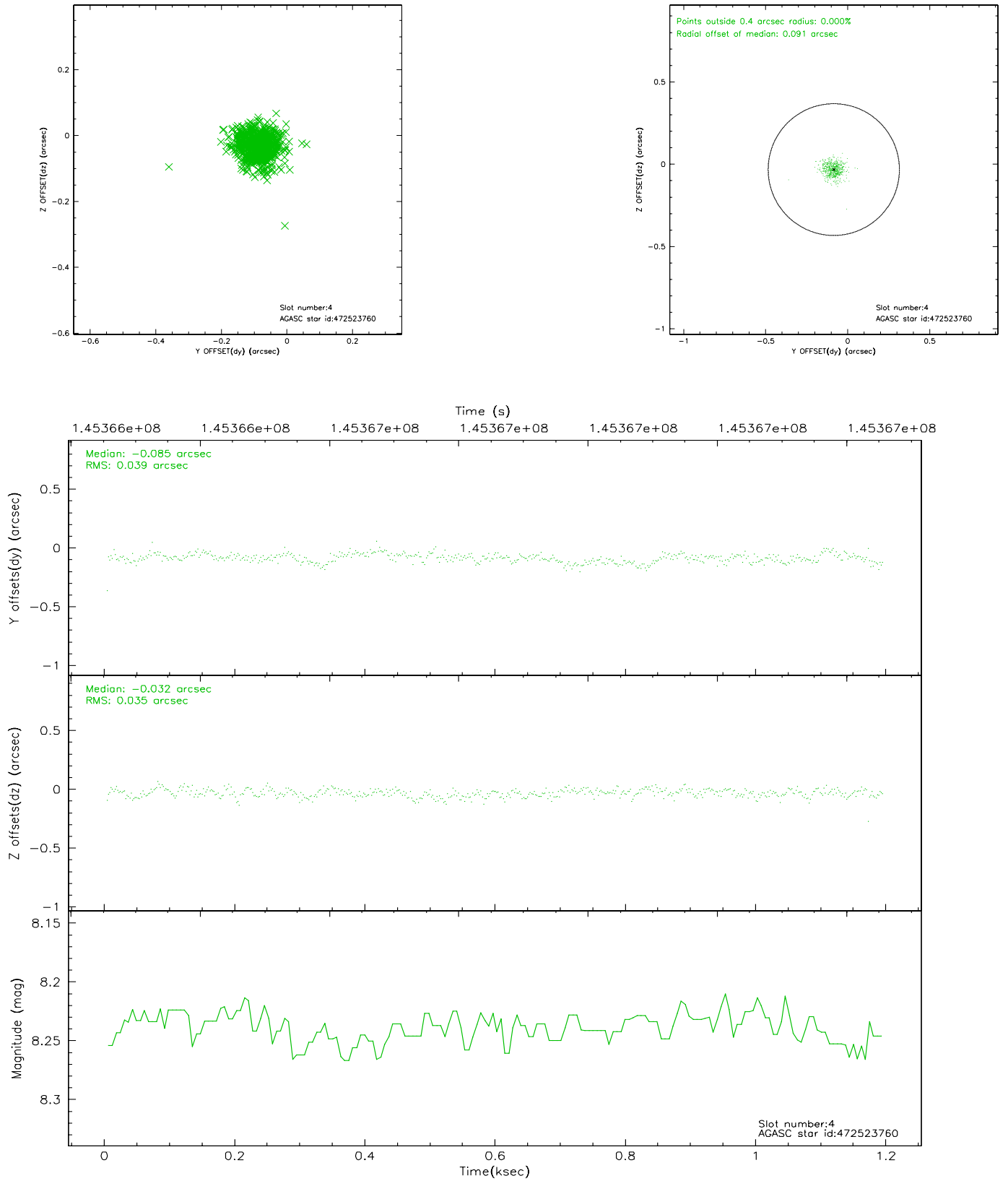


## 2.4 Star Slots

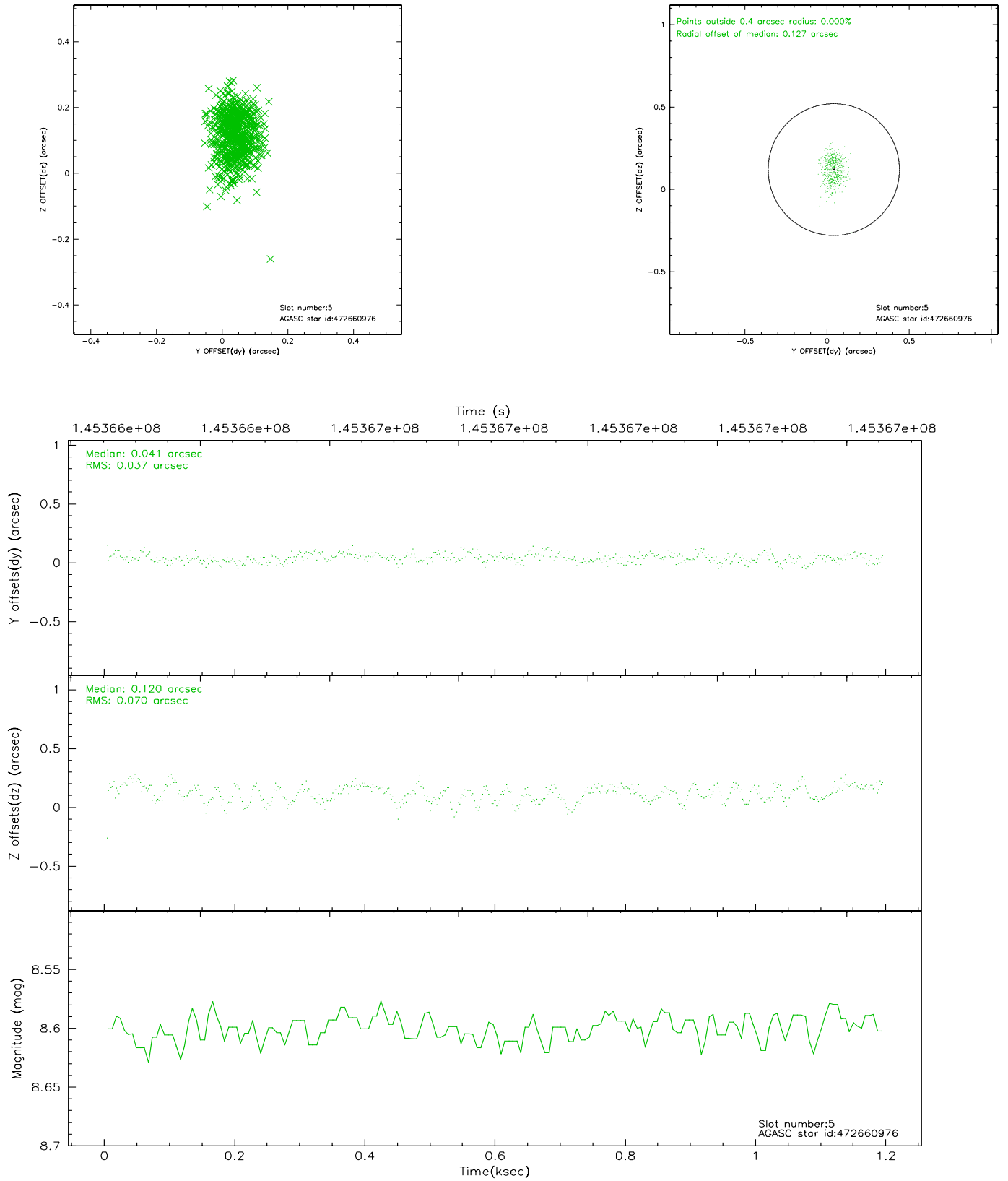
### 2.4.1 Slot 3



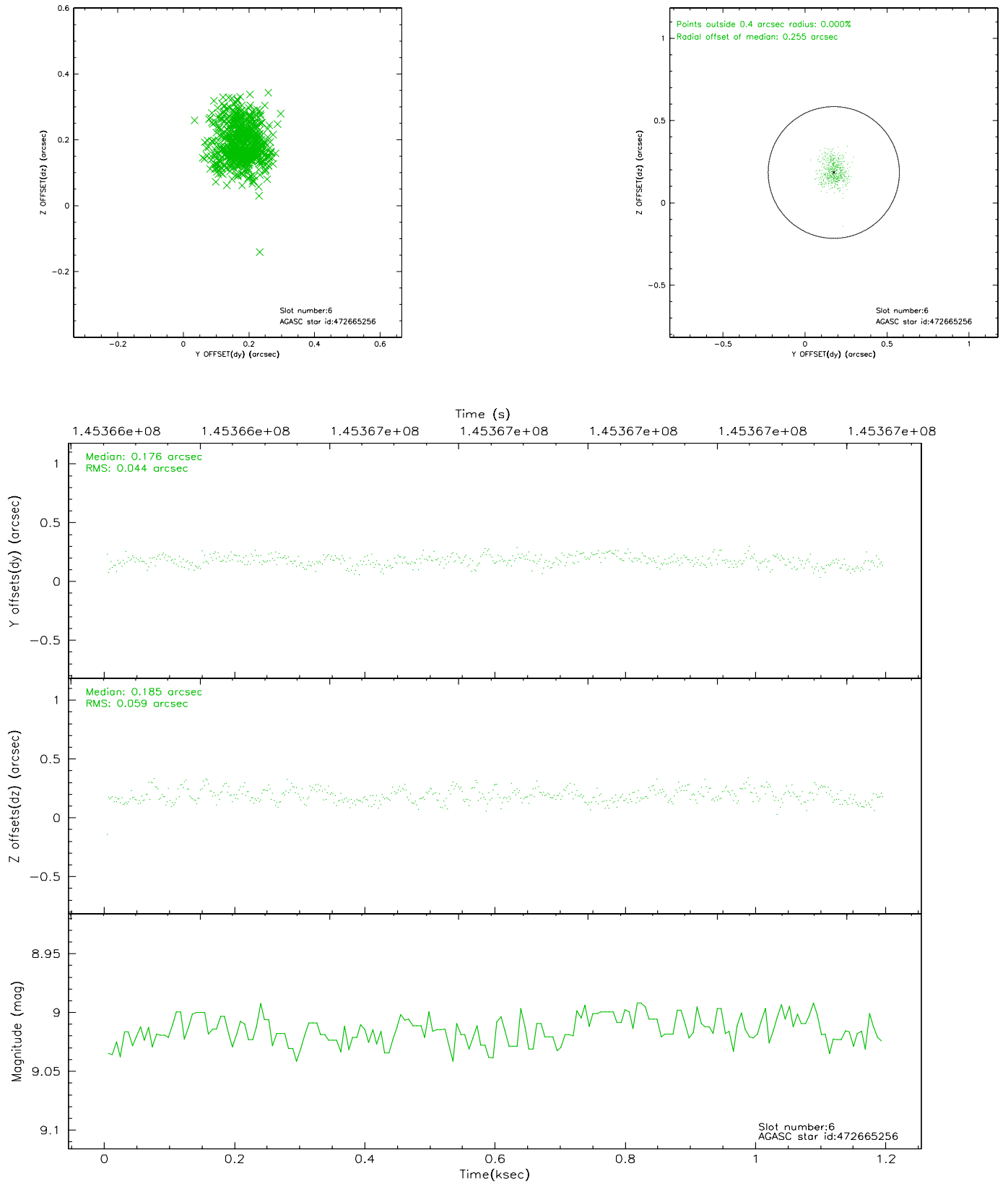
## 2.4.2 Slot 4



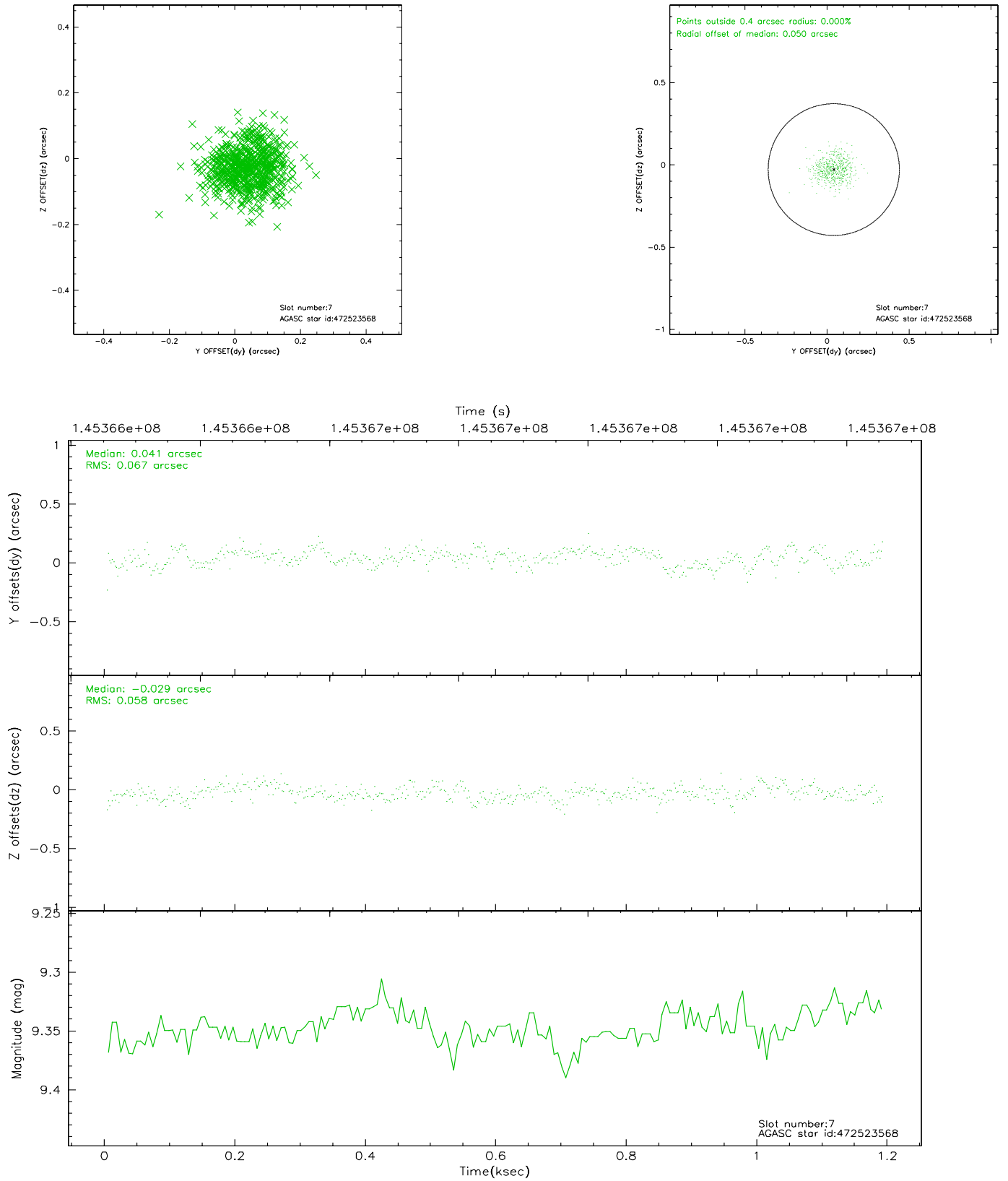
### 2.4.3 Slot 5



## 2.4.4 Slot 6

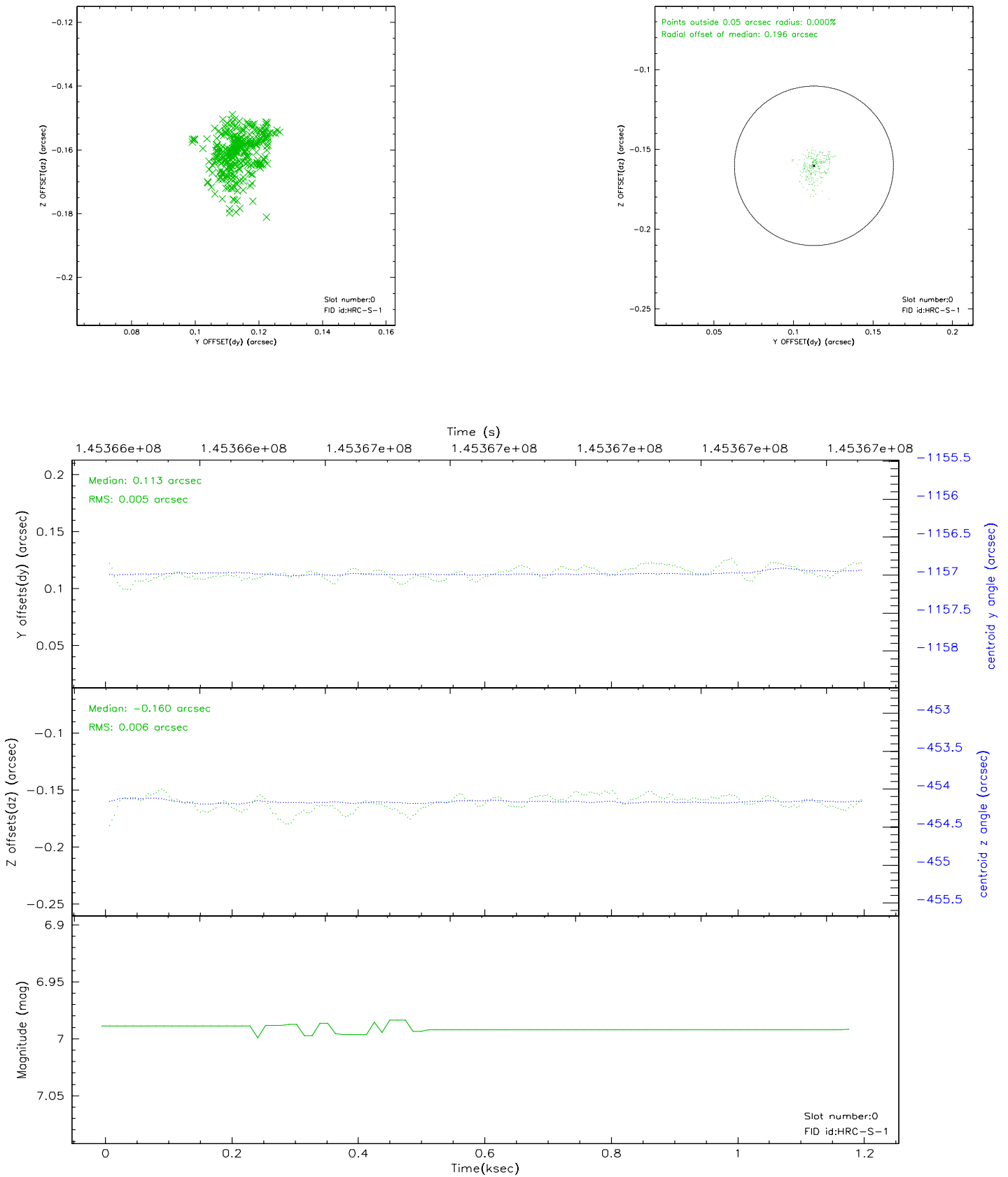


## 2.4.5 Slot 7

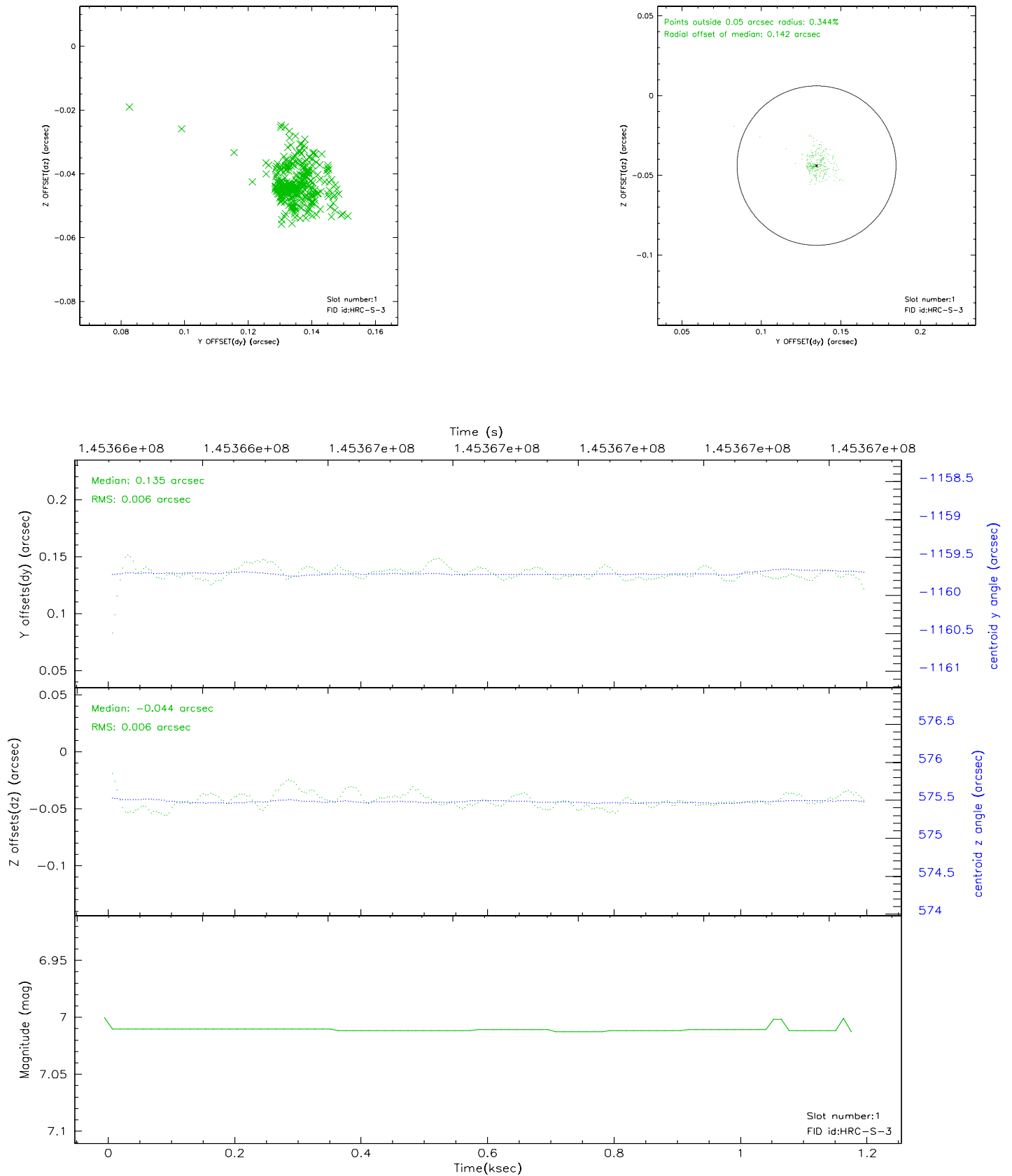


## 2.5 FID Slots

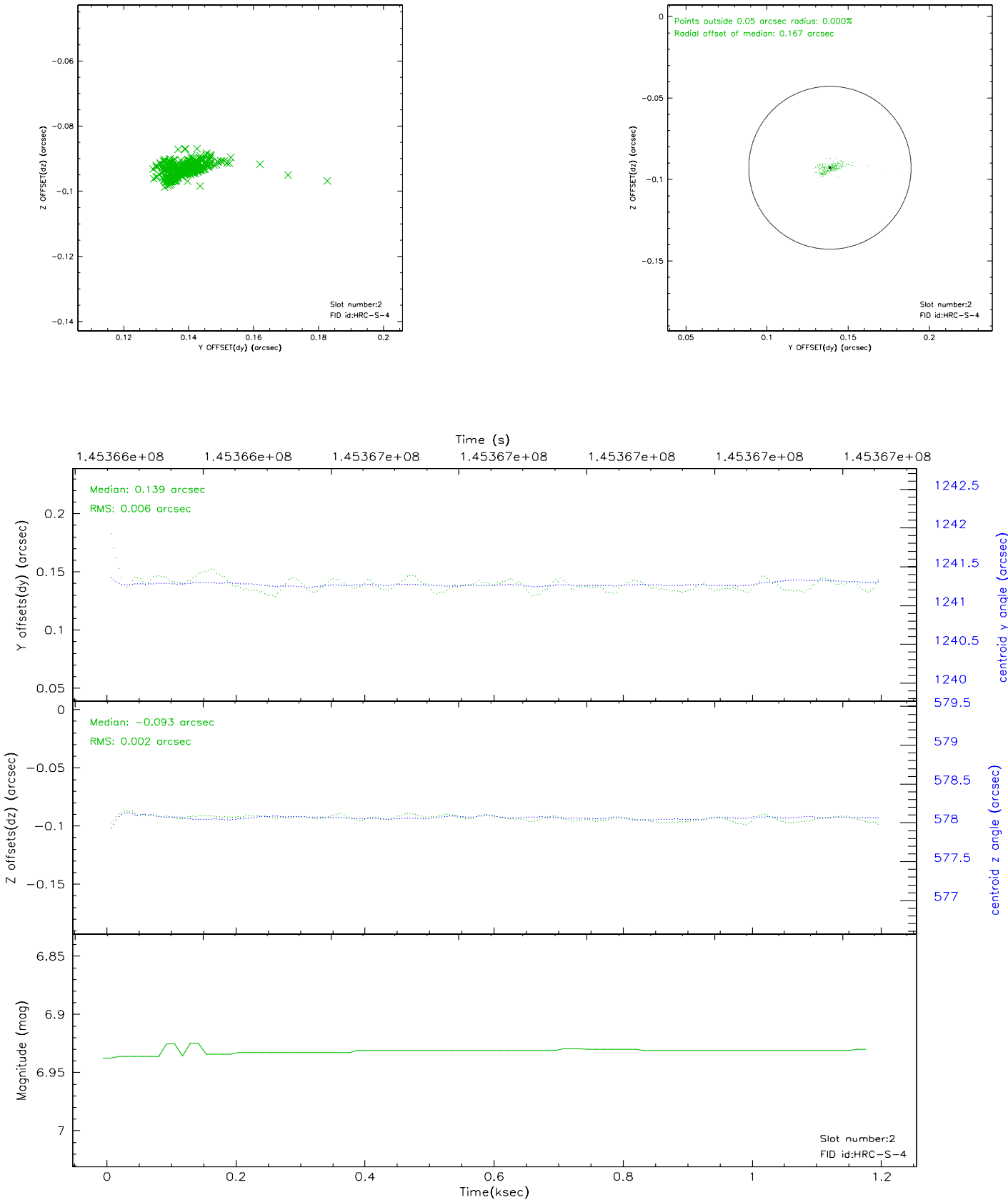
### 2.5.1 Slot 0



## 2.5.2 Slot 1

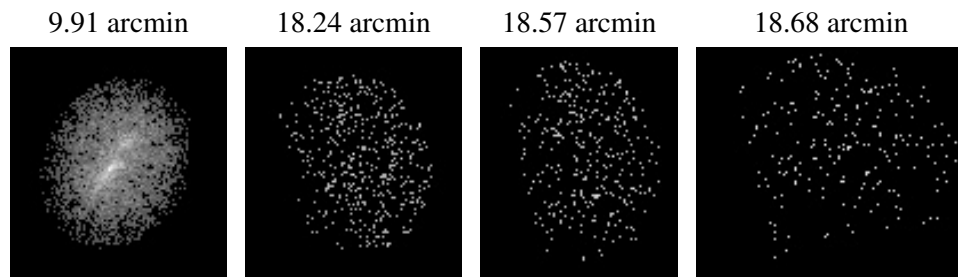


2.5.3 Slot 2





### 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	1.184

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 1.184 ks  
although with the current processing it would have been 1.14 ksec.

Monitor constraint met.

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