

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2658 - L2 Version 001  
Chandra X-Ray Center

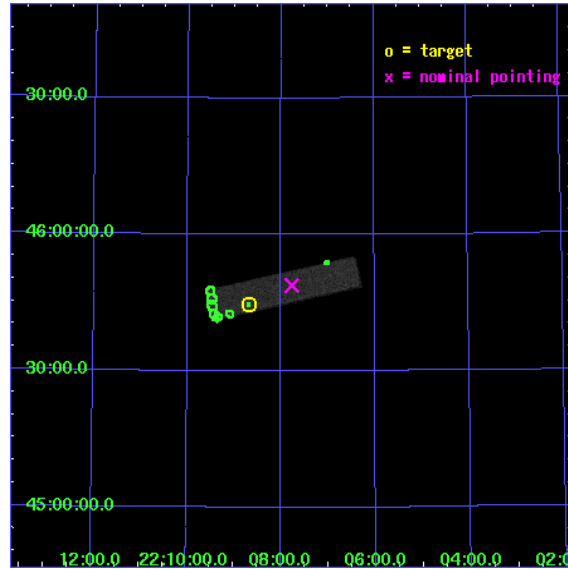
L2 Processing Date : Sep 30 2006

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# 1 Front

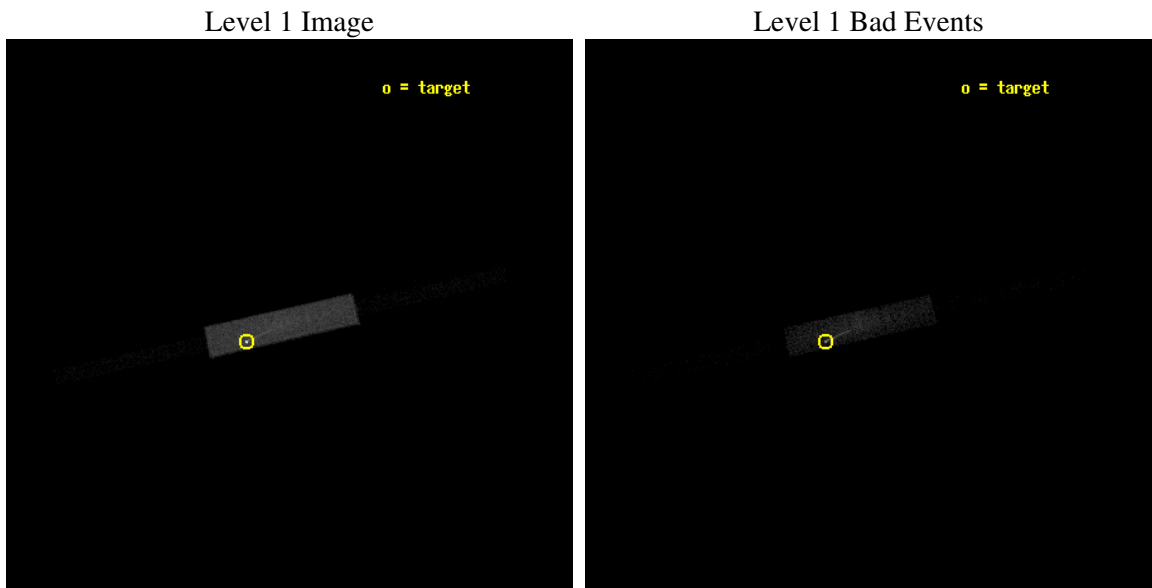
seq_num	290214
obs_id	2658
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.94218348382
dec_nom	45.814111166644
roll_nom	167.25397558558
revision	3
ontime	1142.1062970161
livetime	1136.3806460583
l2events	38424



## 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	2006-09-30T12:51:10
revision	3

sched_exp_time	1000.000000
ontime	1185.9250488281
l1events	67274

### 2.1.3 Events

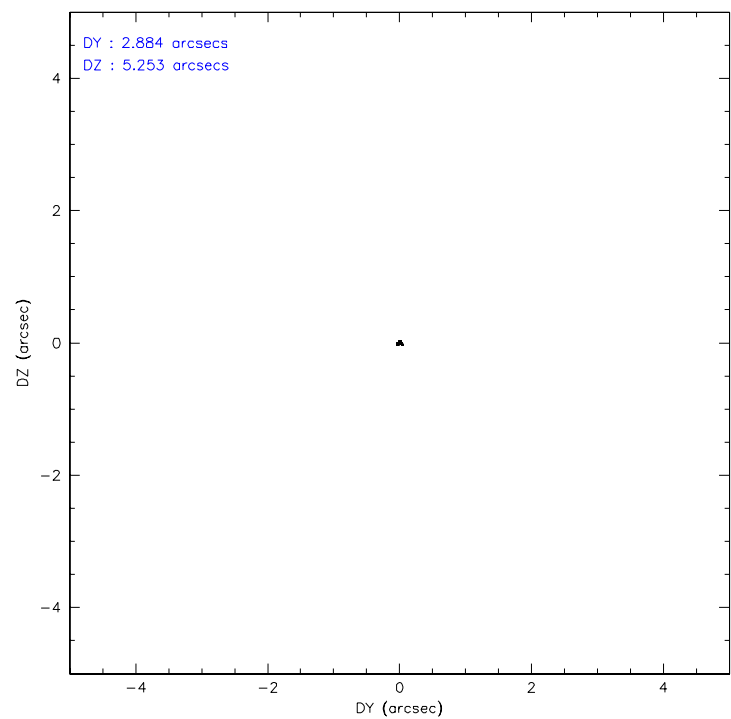
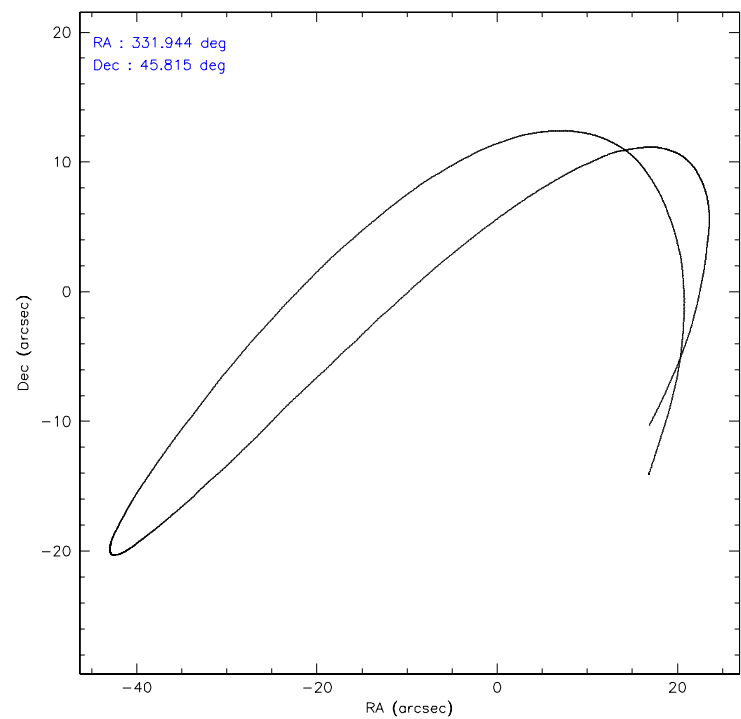
Level 1 Events

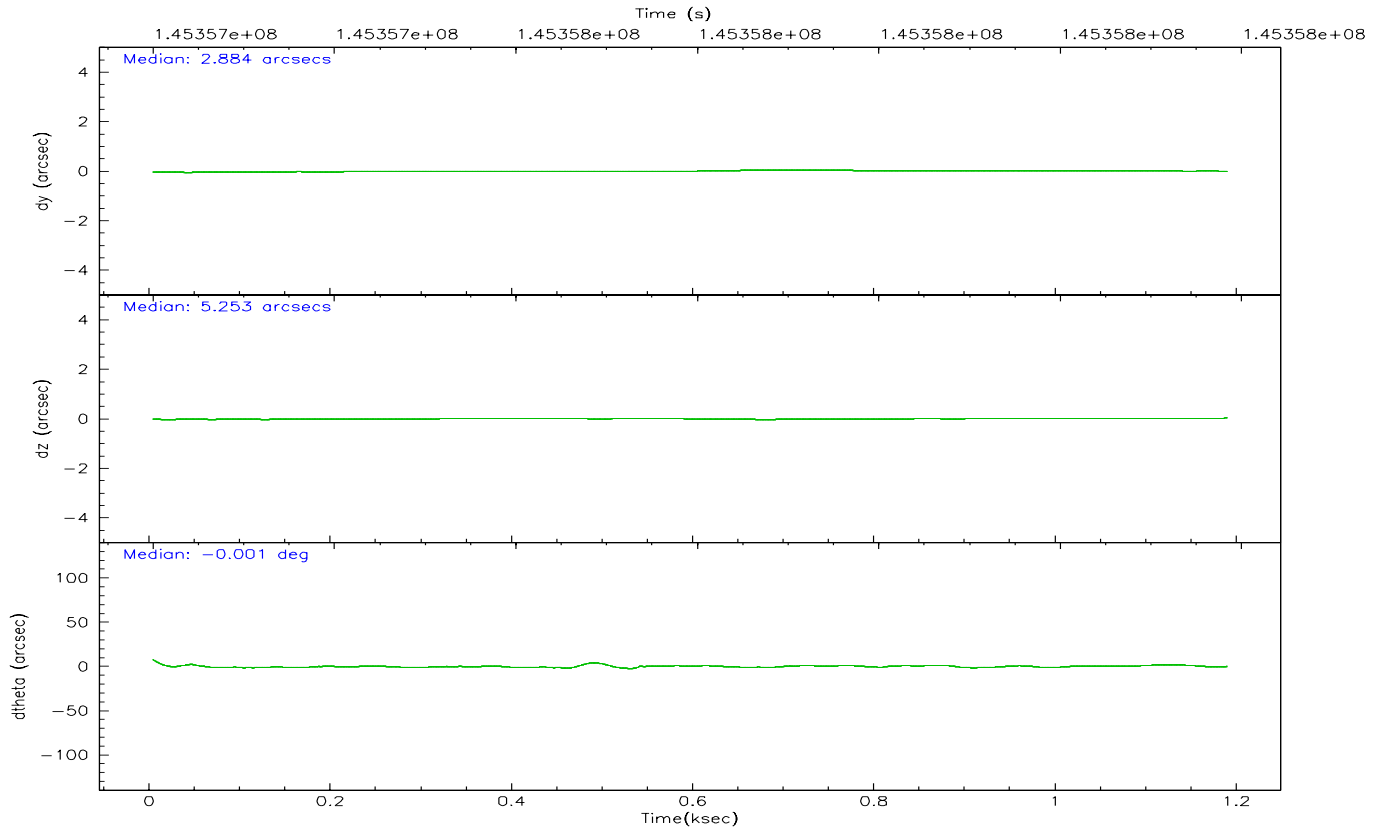
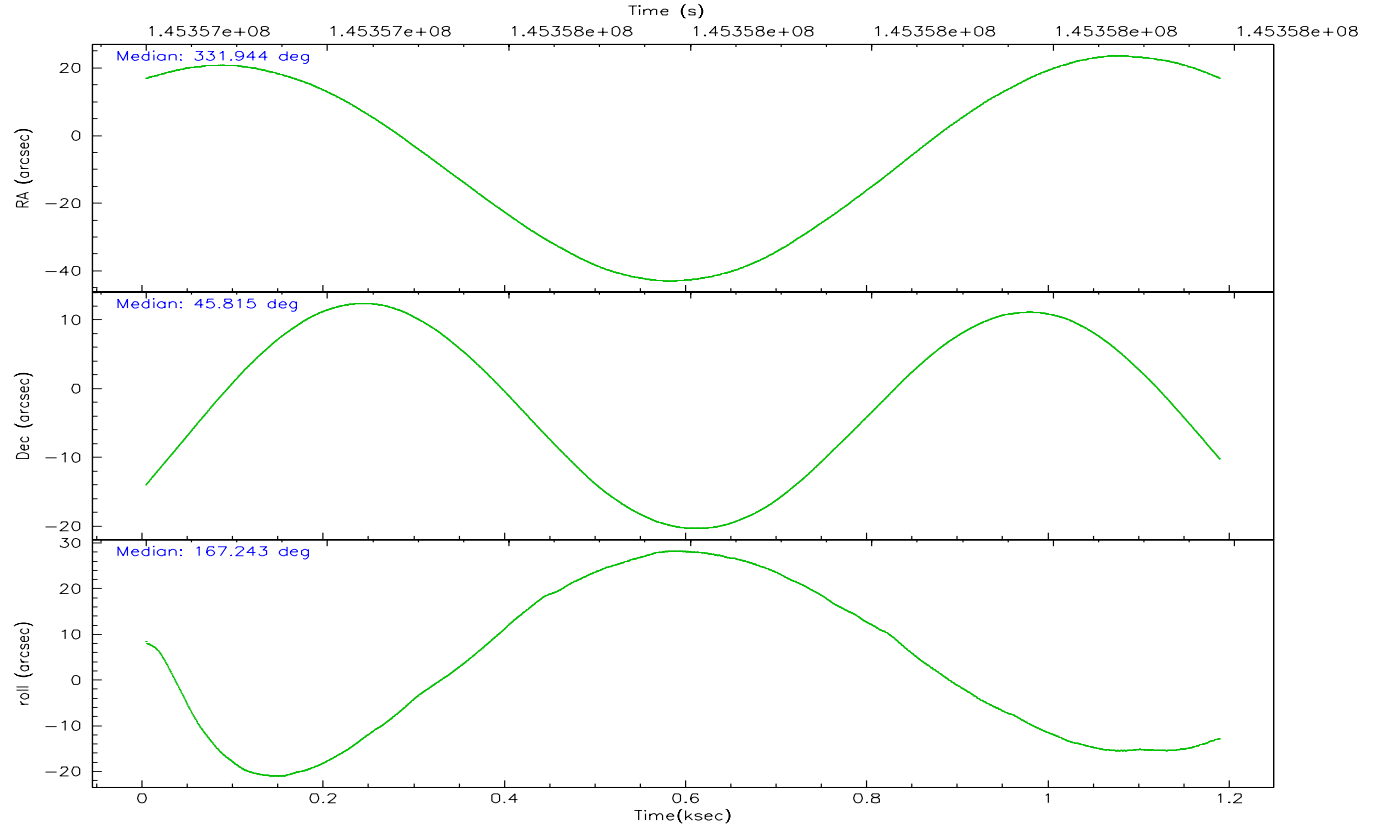
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1055	65133	1086
rejected events	1055	23949	1086
rejected %	100%	36%	100%

## 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	331.979775	331.9421834838215			
Pointing Dec	45.822985	45.81411116664383			
Pointing Roll	167.159586	167.2539755855816			
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	145357390.184000	145357014.18981			
Observation start date	2002-08-10T09:02:06	2002-08-10T08:56:54			
Observation end time	145358390.184000	145358524.52737			
Observation end date	2002-08-10T09:18:46	2002-08-10T09:22:04			

2.3 Aspect





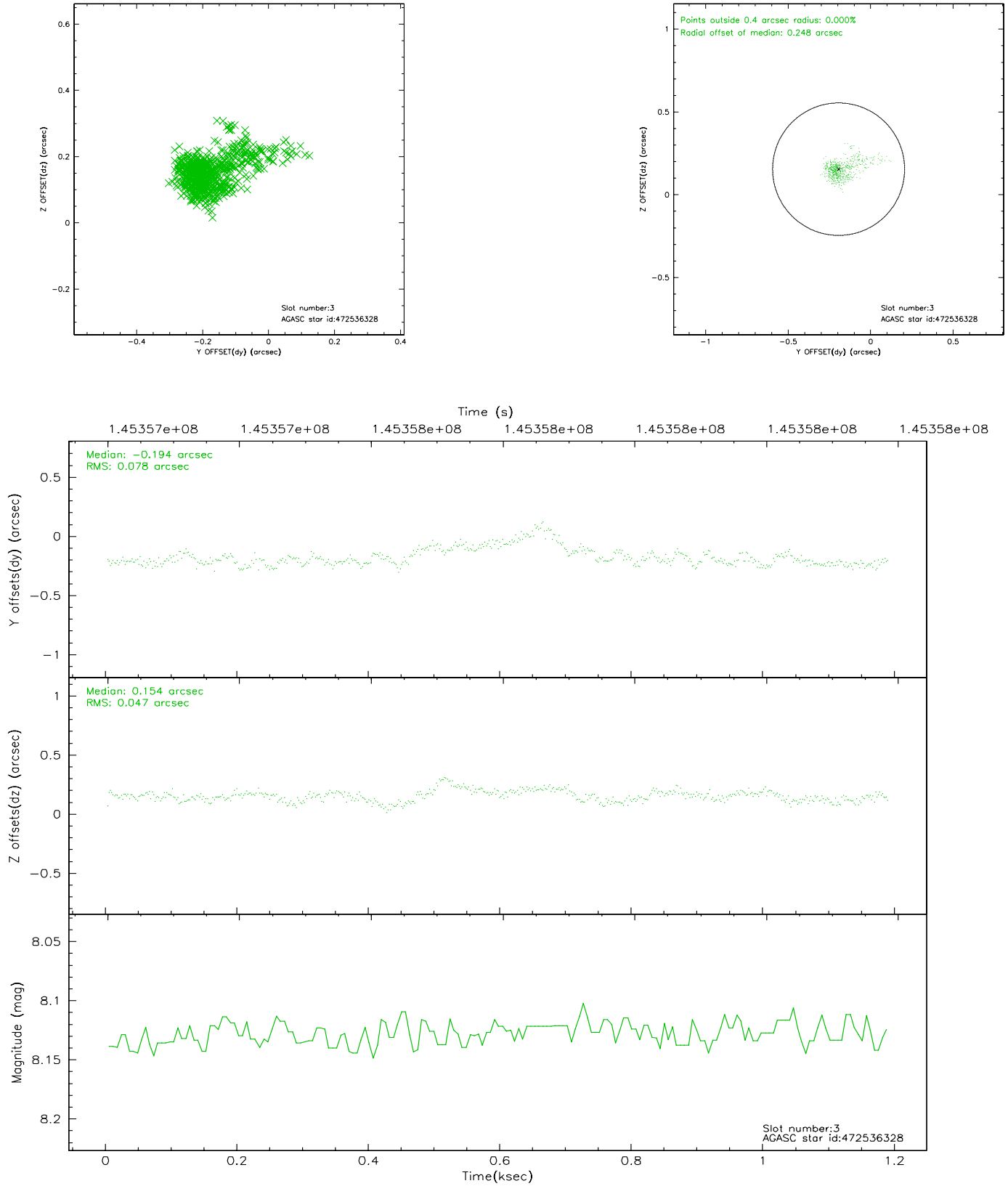
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	290	0.125	-0.099	0.009	0.019	0.000000	0.000000	1242.73	-446.40
1	FID	HRC-S-3	7.01	290	0.137	-0.103	0.005	0.012	0.000000	0.000000	-1155.35	574.30
2	FID	HRC-S-4	6.94	290	0.144	-0.094	0.010	0.020	0.000000	0.000000	1237.37	580.30
3	GUIDE	472536328	8.13	579	-0.194	0.154	0.080	0.183	331.496671	46.454831	1677.74	-1950.49
4	GUIDE	472523760	8.23	580	-0.059	-0.065	0.085	0.189	331.645363	45.403260	494.33	1660.21
5	GUIDE	472665256	9.01	580	0.213	0.146	0.089	0.173	332.808125	46.195041	-1708.17	-1768.24
6	GUIDE	472537064	8.94	577	-0.107	0.014	0.101	0.178	331.323423	46.483499	2116.59	-1961.96
7	GUIDE	472655704	9.48	579	0.173	-0.218	0.152	0.699	332.167195	45.285228	-886.54	1781.86

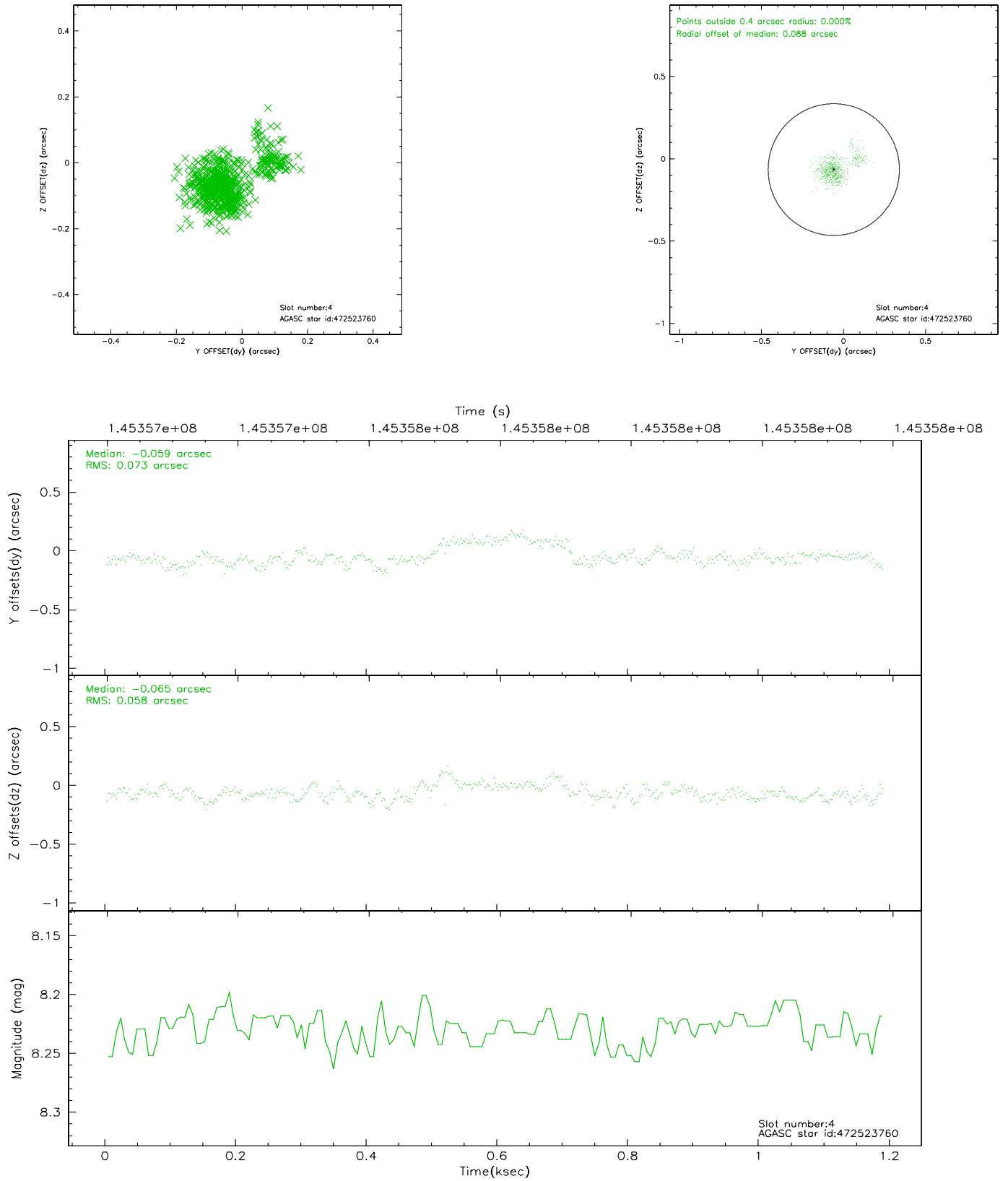


## 2.4 Star Slots

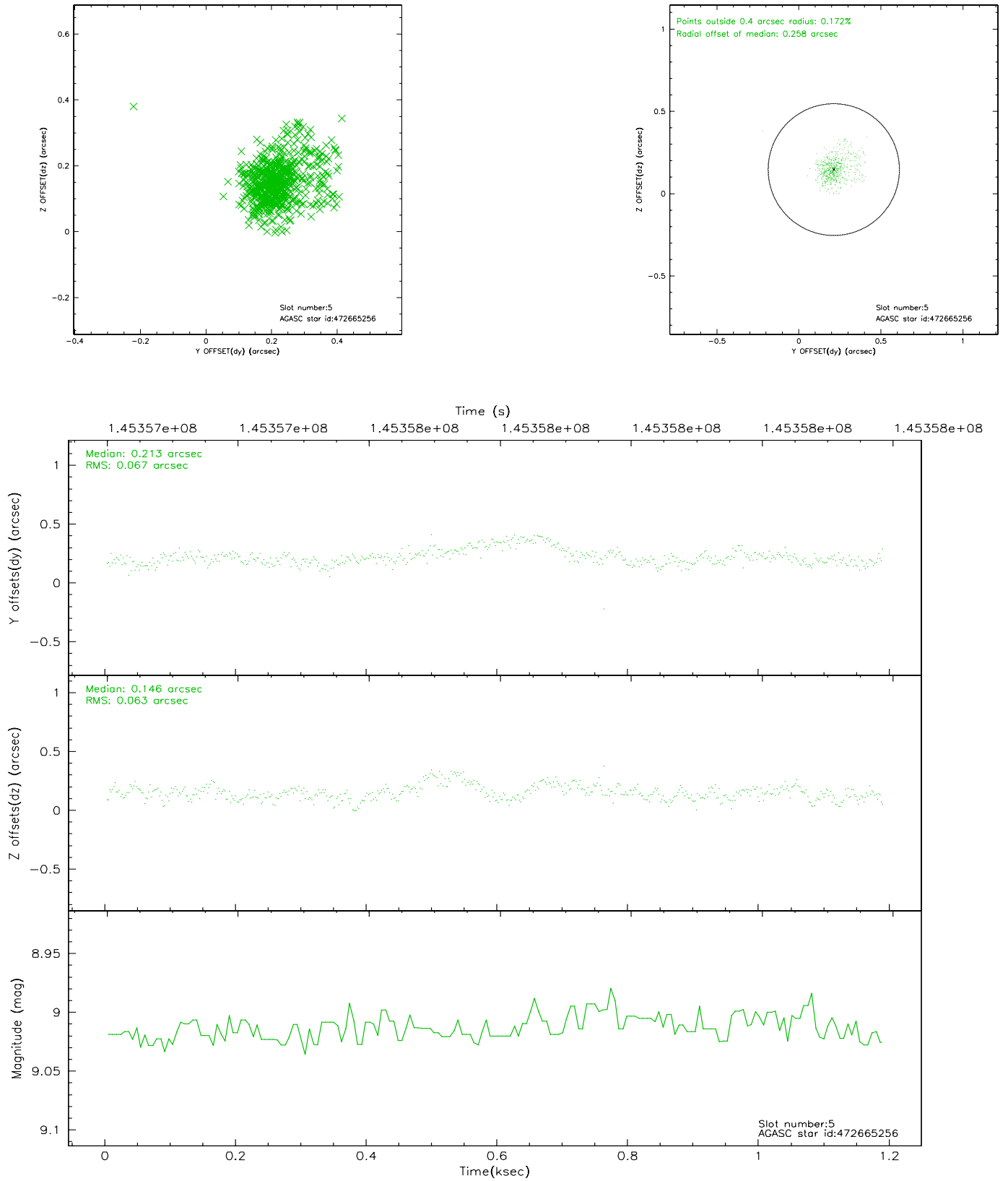
### 2.4.1 Slot 3



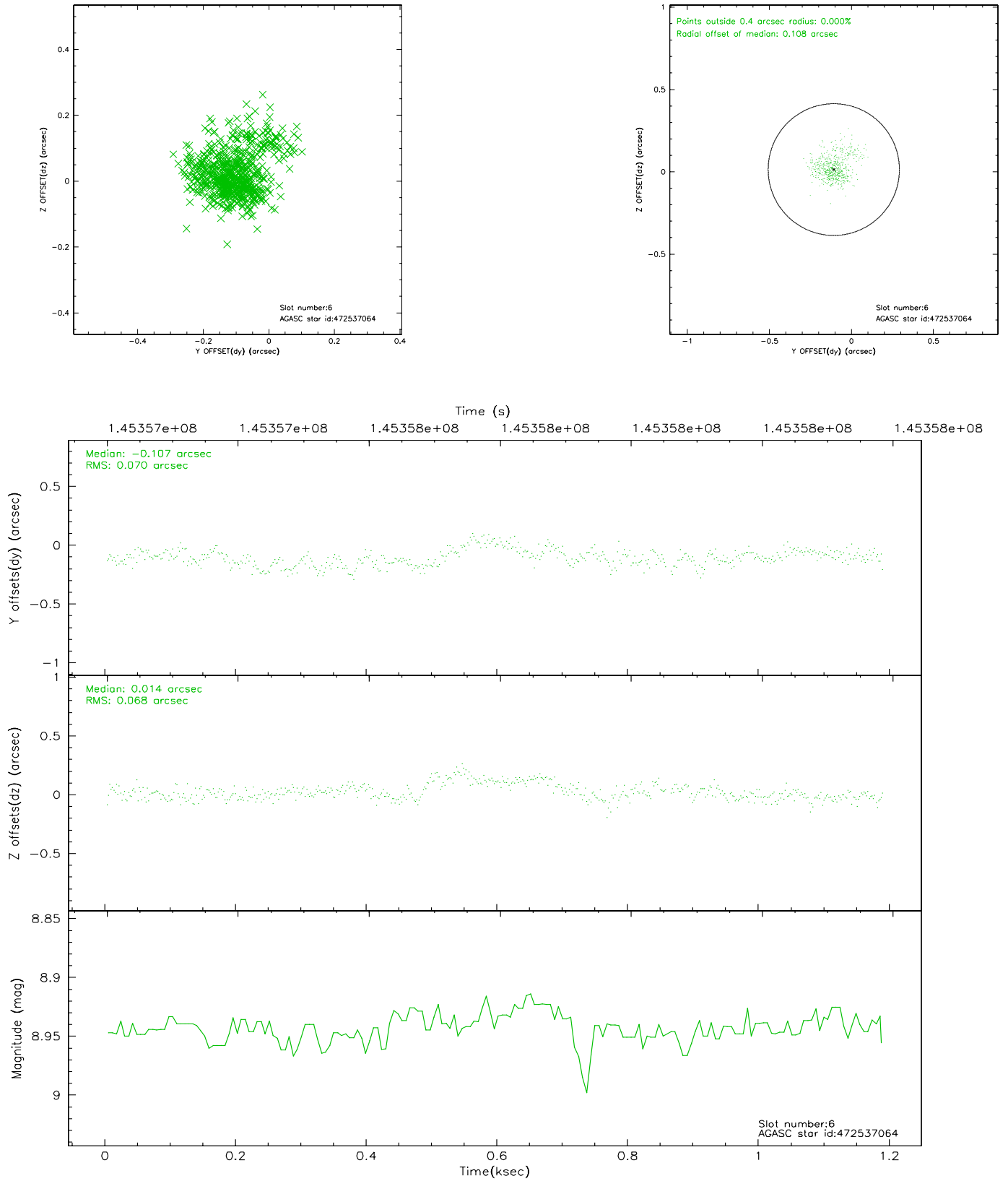
## 2.4.2 Slot 4



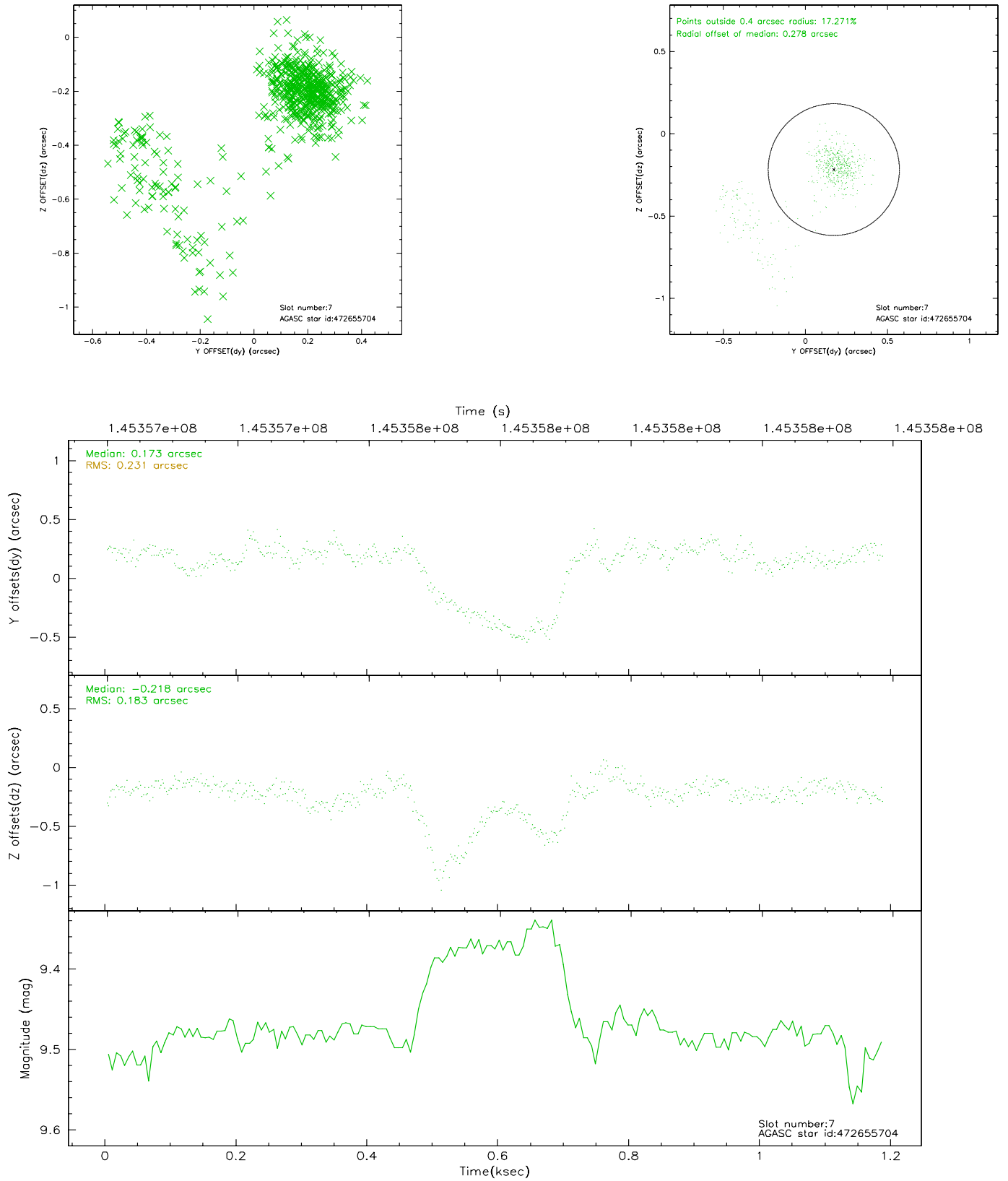
### 2.4.3 Slot 5



## 2.4.4 Slot 6

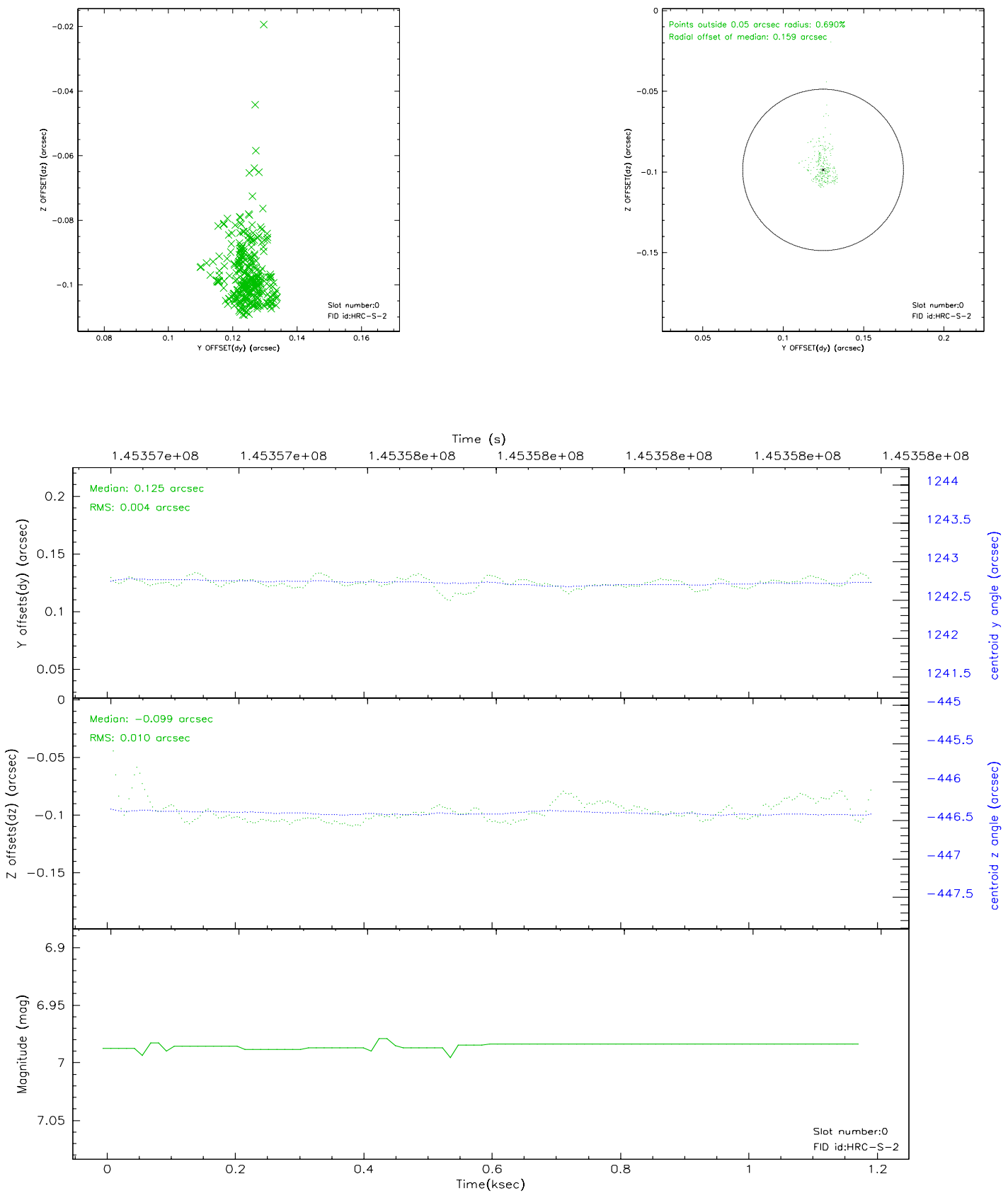


## 2.4.5 Slot 7

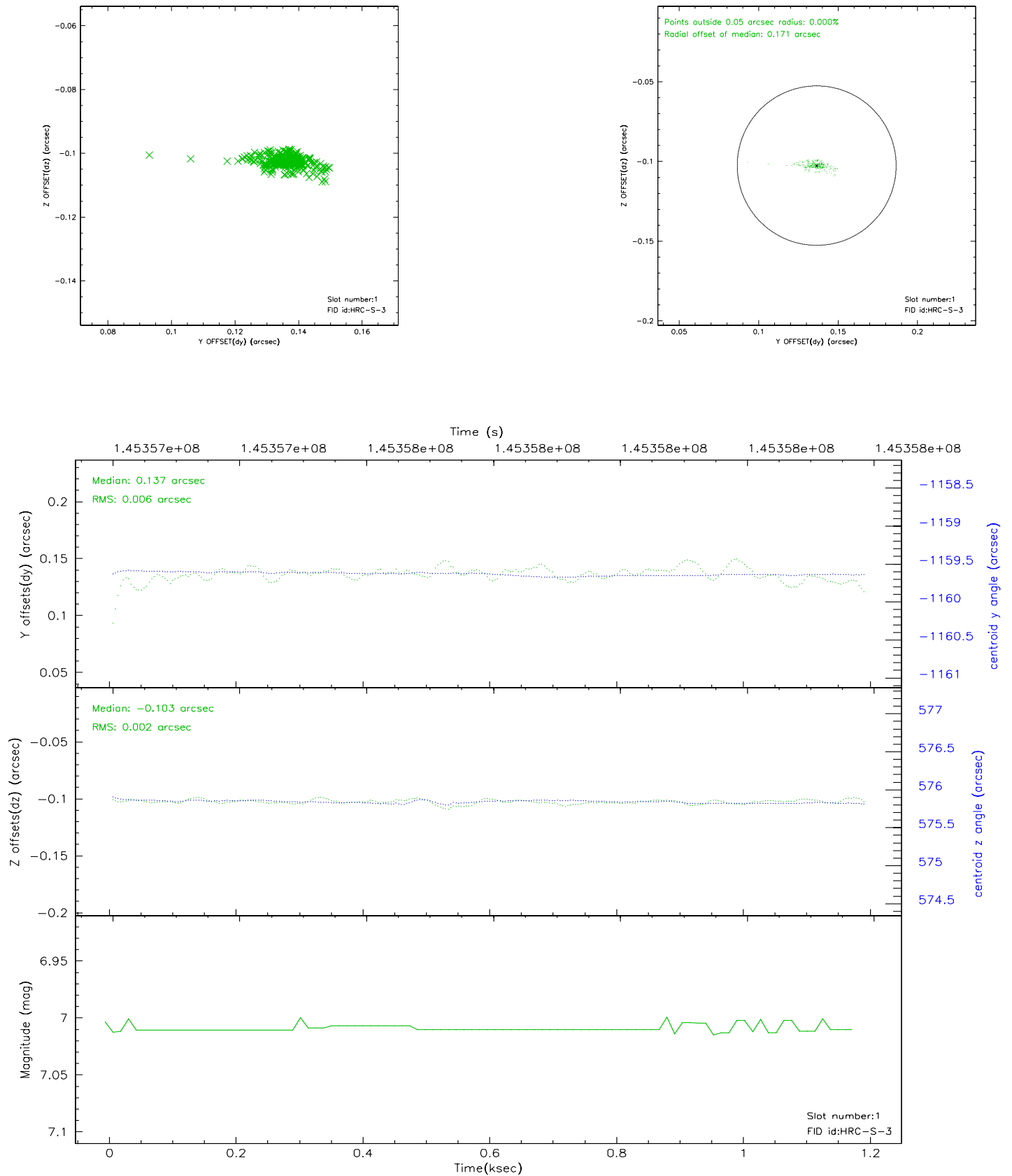


## 2.5 FID Slots

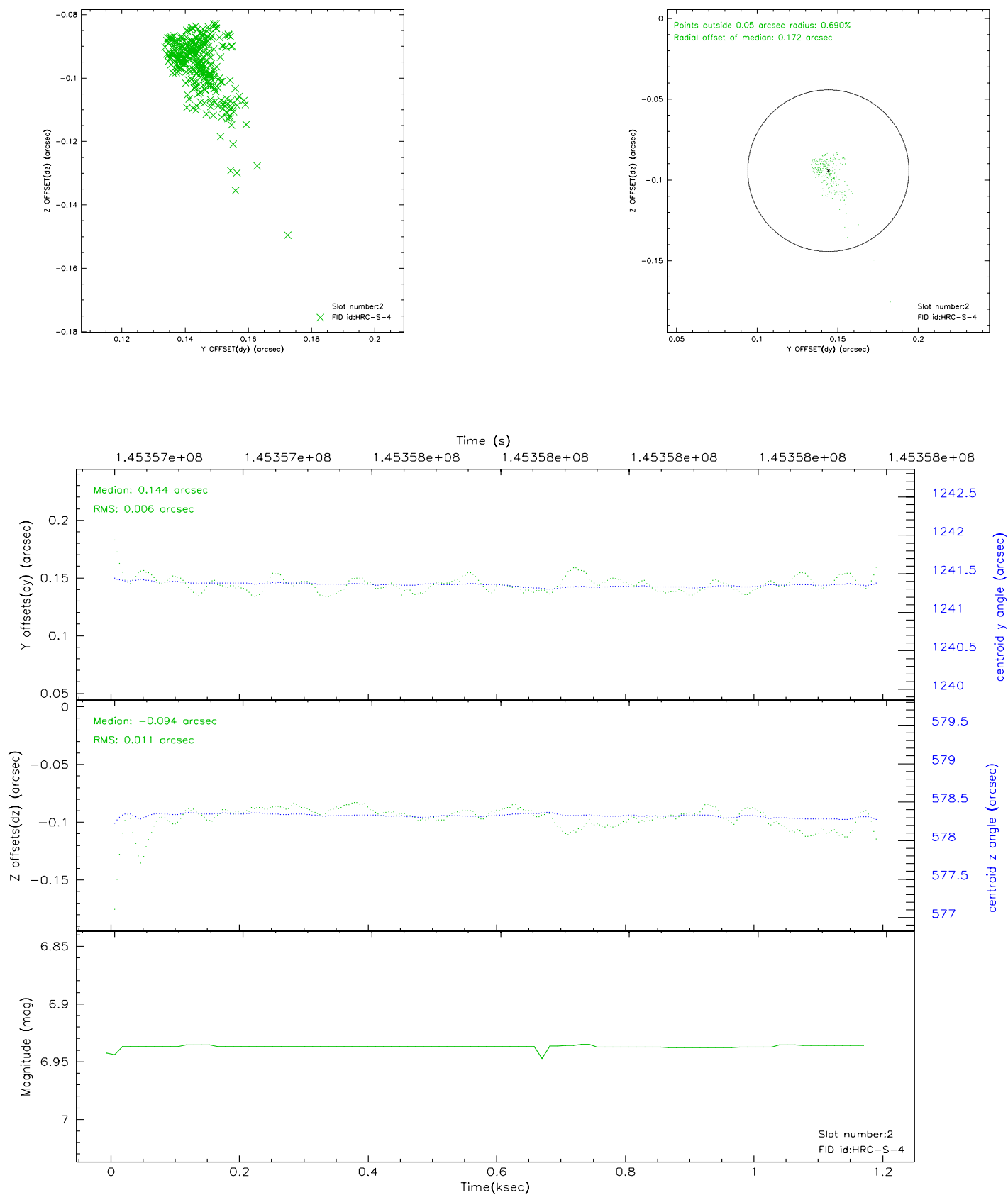
### 2.5.1 Slot 0



## 2.5.2 Slot 1

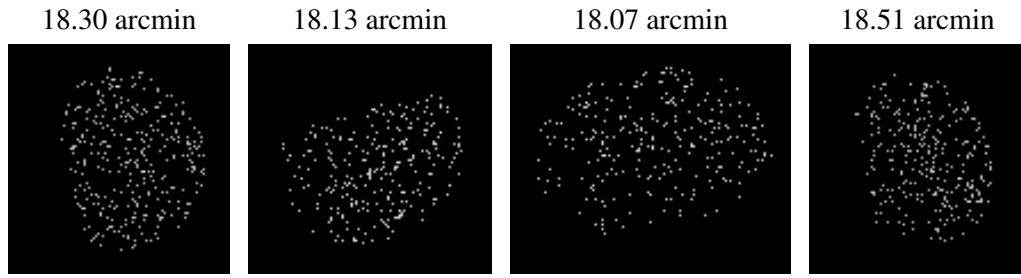


### 2.5.3 Slot 2





### 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	1.186

## A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 1.186 ks although with the new processing it would be 1.14 ksec.

Monitoring constraint met.

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