

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 5058 - L2 Version 001  
Chandra X-Ray Center

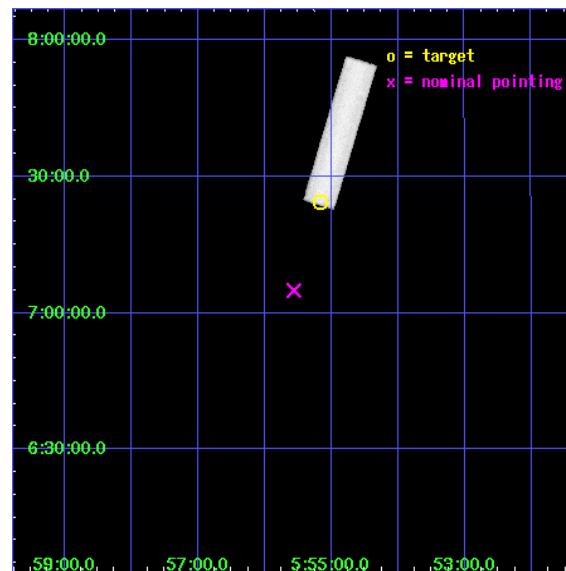
L2 Processing Date : Jun 4 2006

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# 1 Front

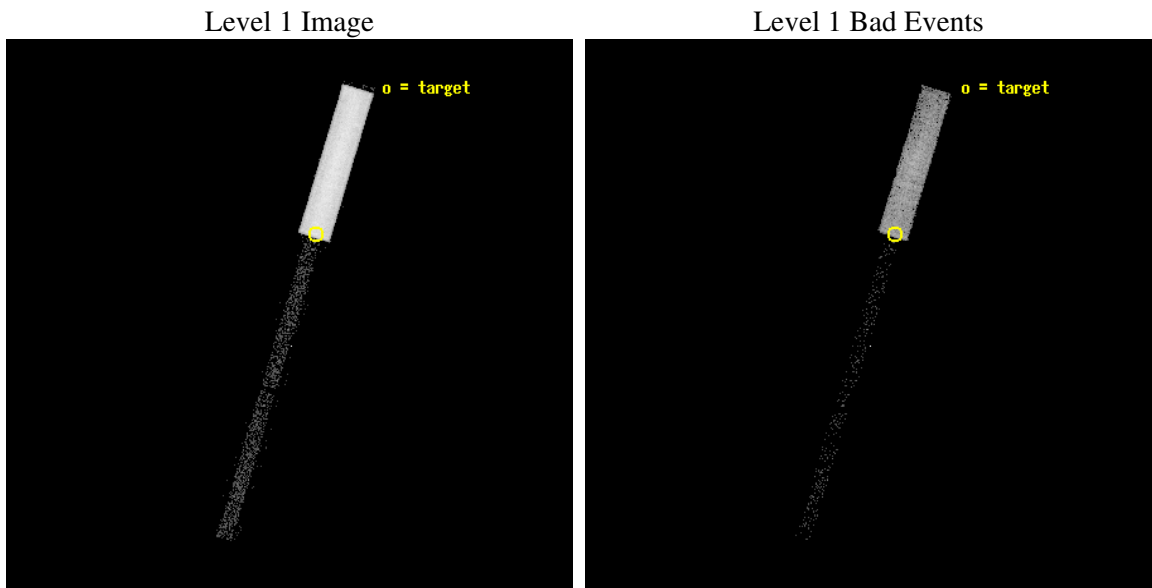
seq_num	290331
obs_id	5058
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Betelgeuse
ra_targ	88.792917
dec_targ	7.407056
ra_nom	88.890602562447
dec_nom	7.0832898575557
roll_nom	286.73683020334
revision	2
ontime	2245.0063481331
livetime	2230.8191636685
l2events	98517



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T06:32:28
revision	2

sched_exp_time	2102.000000
ontime	2289.0813500583
l1events	142808

### 2.1.3 Events

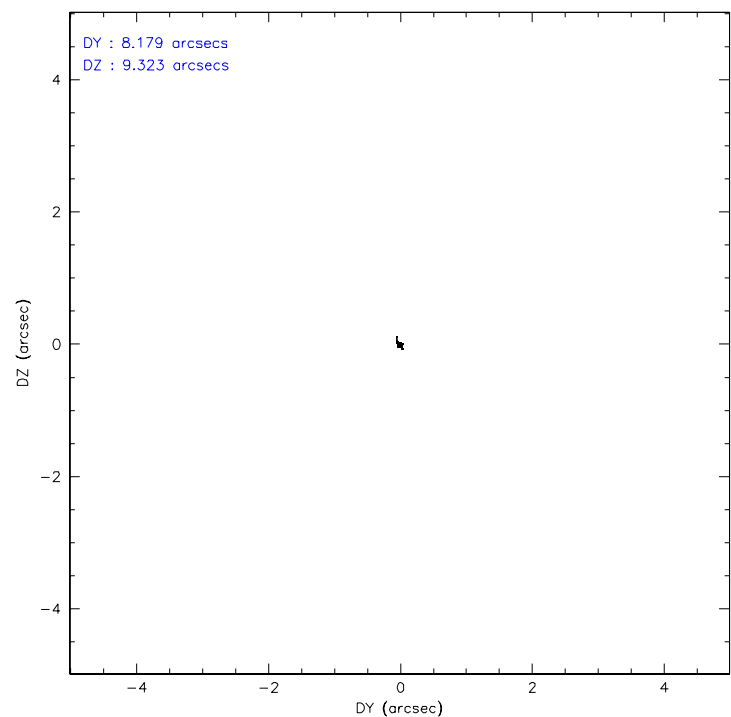
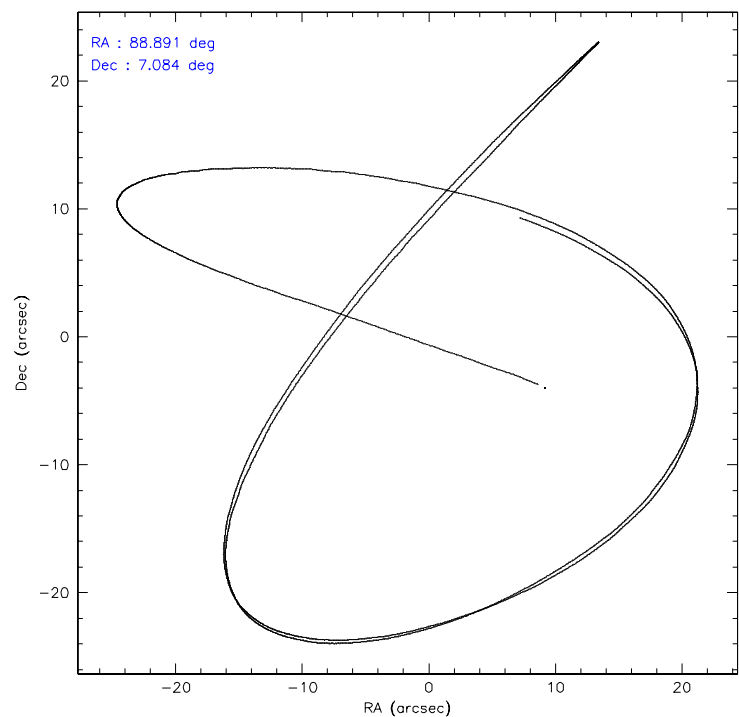
Level 1 Events

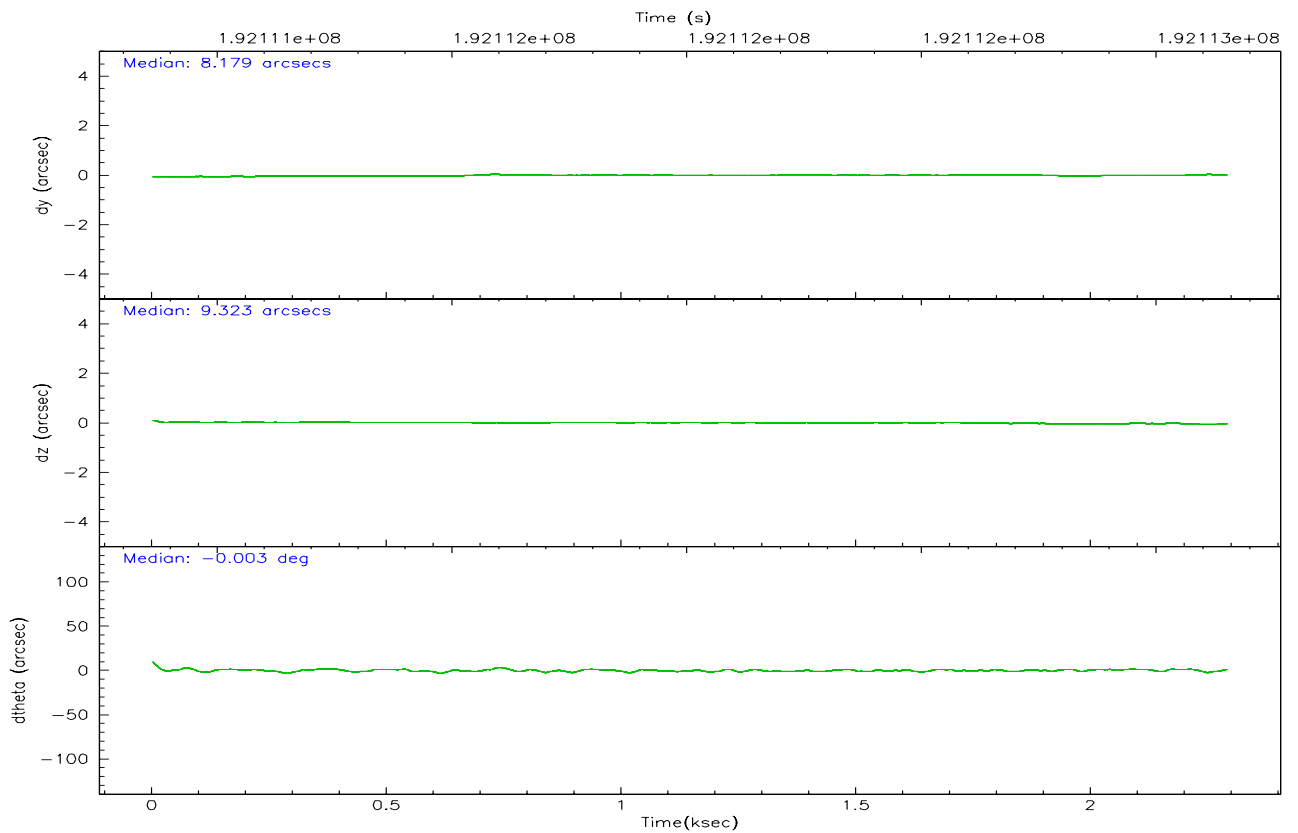
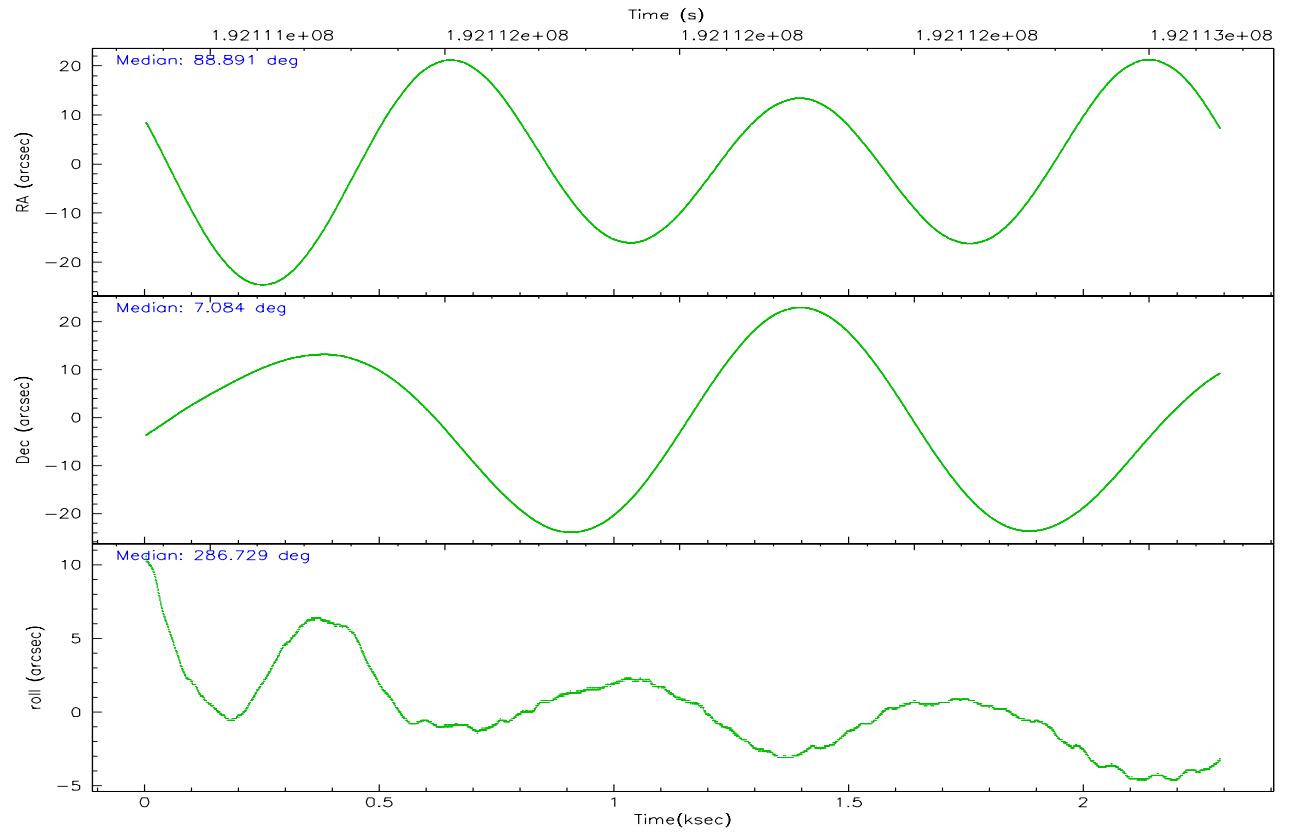
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	131450	10309	1049
rejected events	22670	10283	1049
rejected %	17%	99%	100%

## 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	88.868622	88.89060256244684			
Pointing Dec	7.101770	7.083289857555687			
Pointing Roll	286.672179	286.7368302033382			
Window start time	191980864.184000	191980864.184000			
Window stop time	197078464.184000	197078464.184000			
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	192111055.184000	192110678.39539			
Observation start date	2004-02-02T12:09:51	2004-02-02T12:04:38			
Observation end time	192113157.184000	192113291.1205			
Observation end date	2004-02-02T12:44:53	2004-02-02T12:48:11			

2.3 Aspect





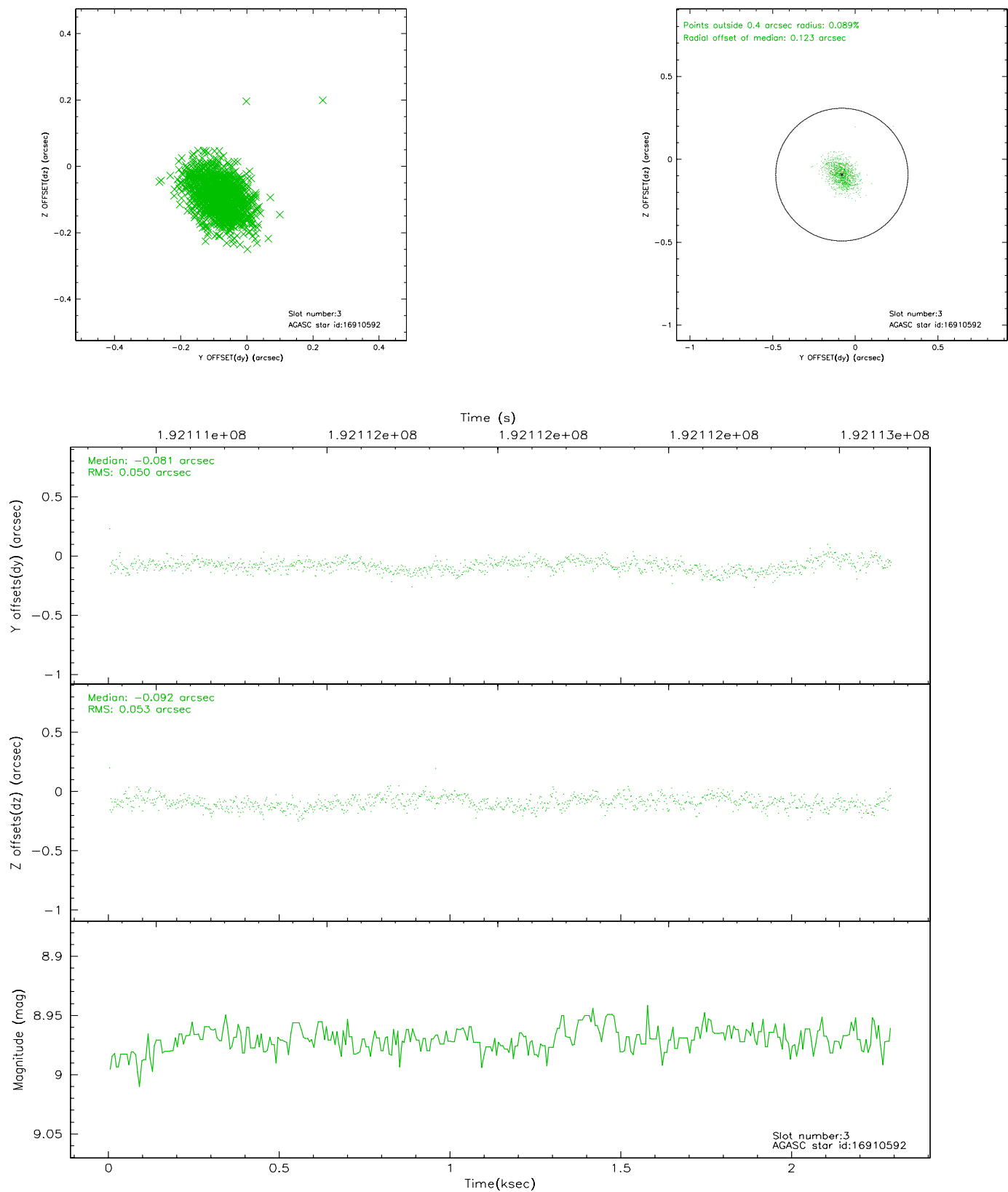
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.08	558	0.126	-0.215	0.009	0.016	0.000000	0.000000	-1162.36	-458.03
1	FID	HRC-S-3	7.08	559	0.069	0.017	0.009	0.020	0.000000	0.000000	-1167.20	570.91
2	FID	HRC-S-4	7.06	559	0.193	-0.098	0.006	0.010	0.000000	0.000000	1233.89	575.16
3	GUIDE	16910592	8.97	1118	-0.081	-0.092	0.075	0.127	88.532936	6.726769	949.13	-1536.88
4	GUIDE	16910760	9.08	1116	-0.081	0.014	0.084	0.133	89.059695	7.486642	-1130.68	1049.35
5	GUIDE	16912728	9.10	1118	0.165	-0.005	0.093	0.145	88.844647	6.730340	1256.06	-464.68
6	GUIDE	16913360	8.35	1118	-0.047	0.034	0.061	0.098	89.178373	7.247125	-182.89	1209.51
7	GUIDE	16917248	8.71	1117	0.049	0.047	0.062	0.105	89.306967	6.774731	1576.93	1164.96

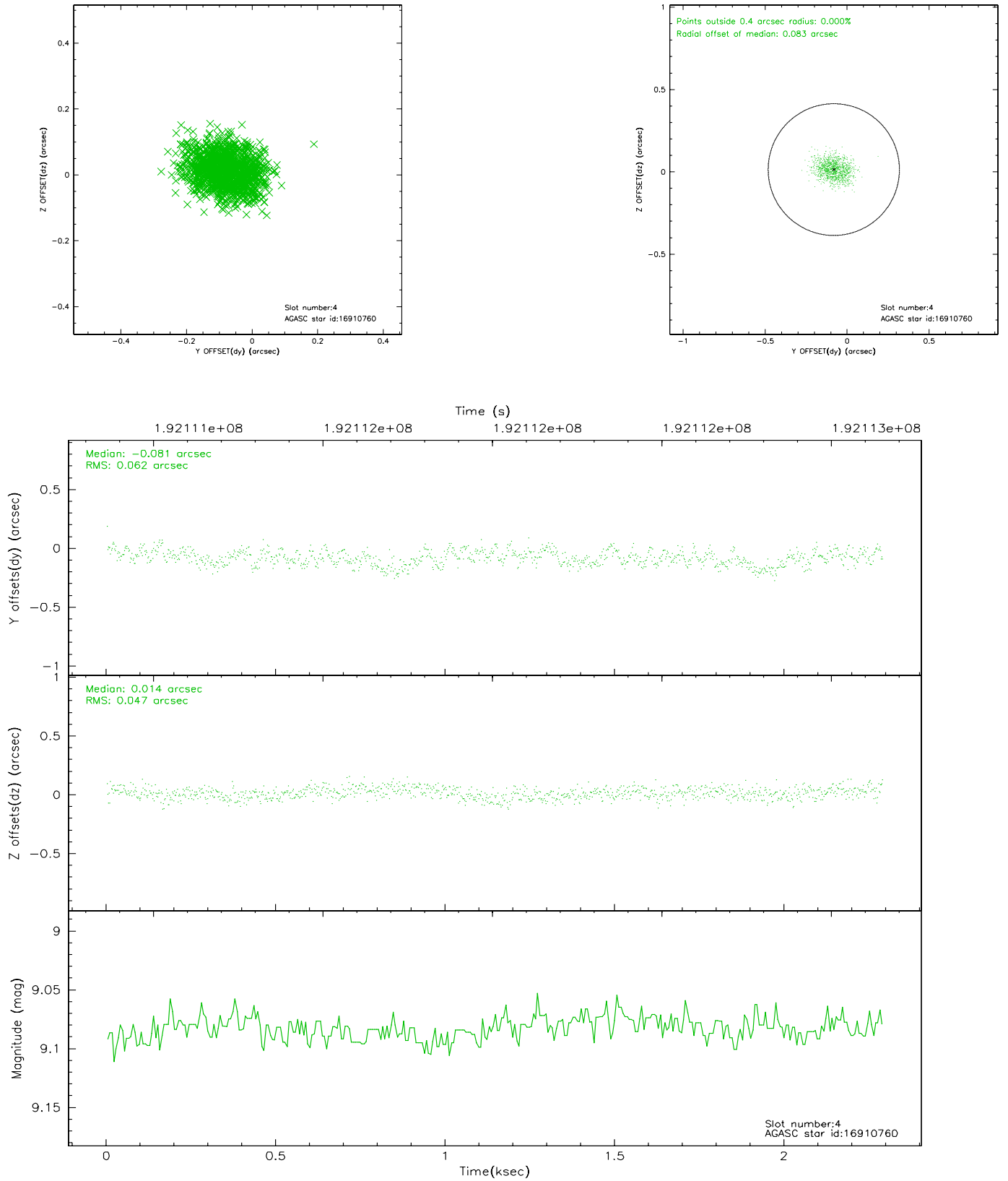


## 2.4 Star Slots

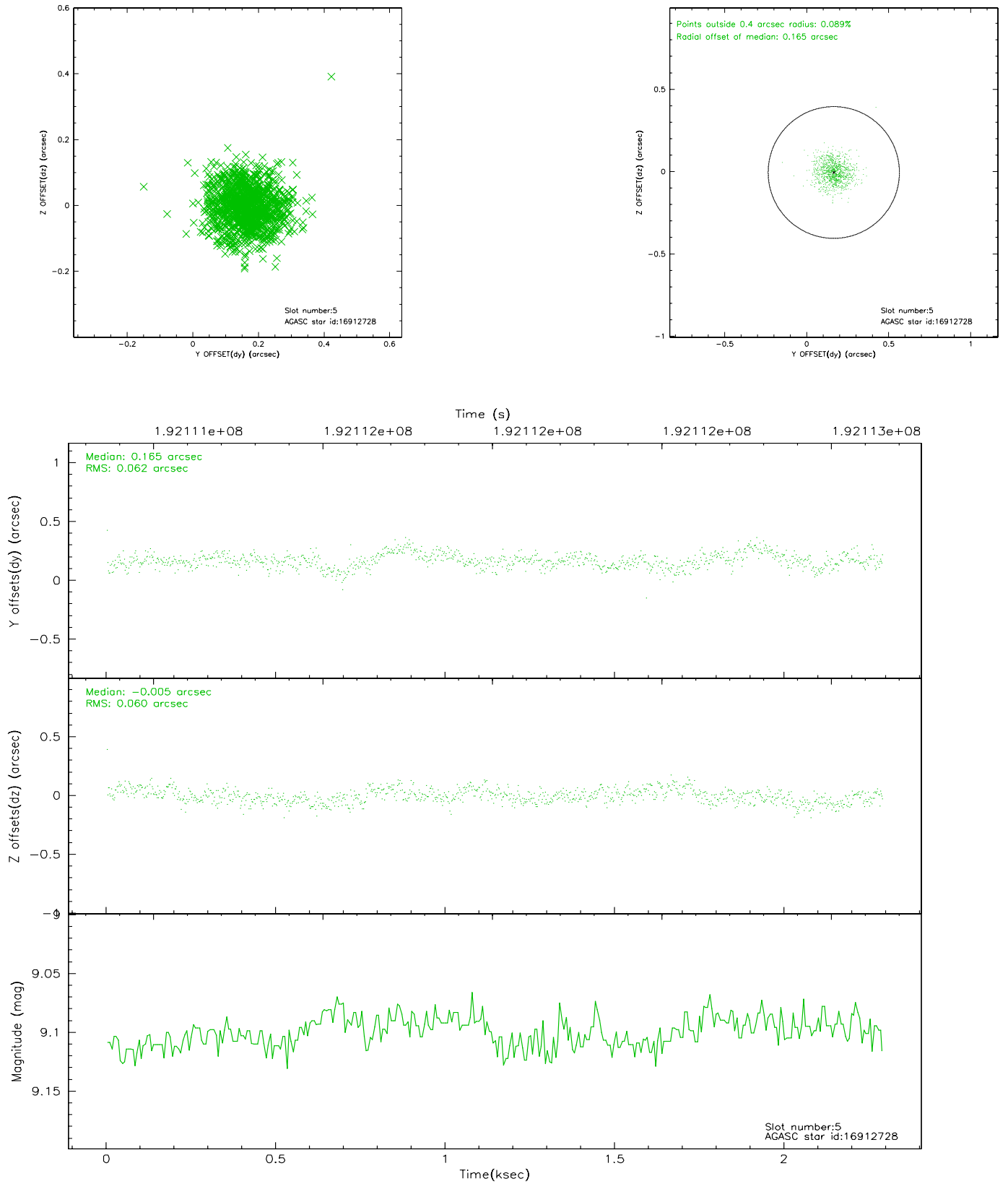
### 2.4.1 Slot 3



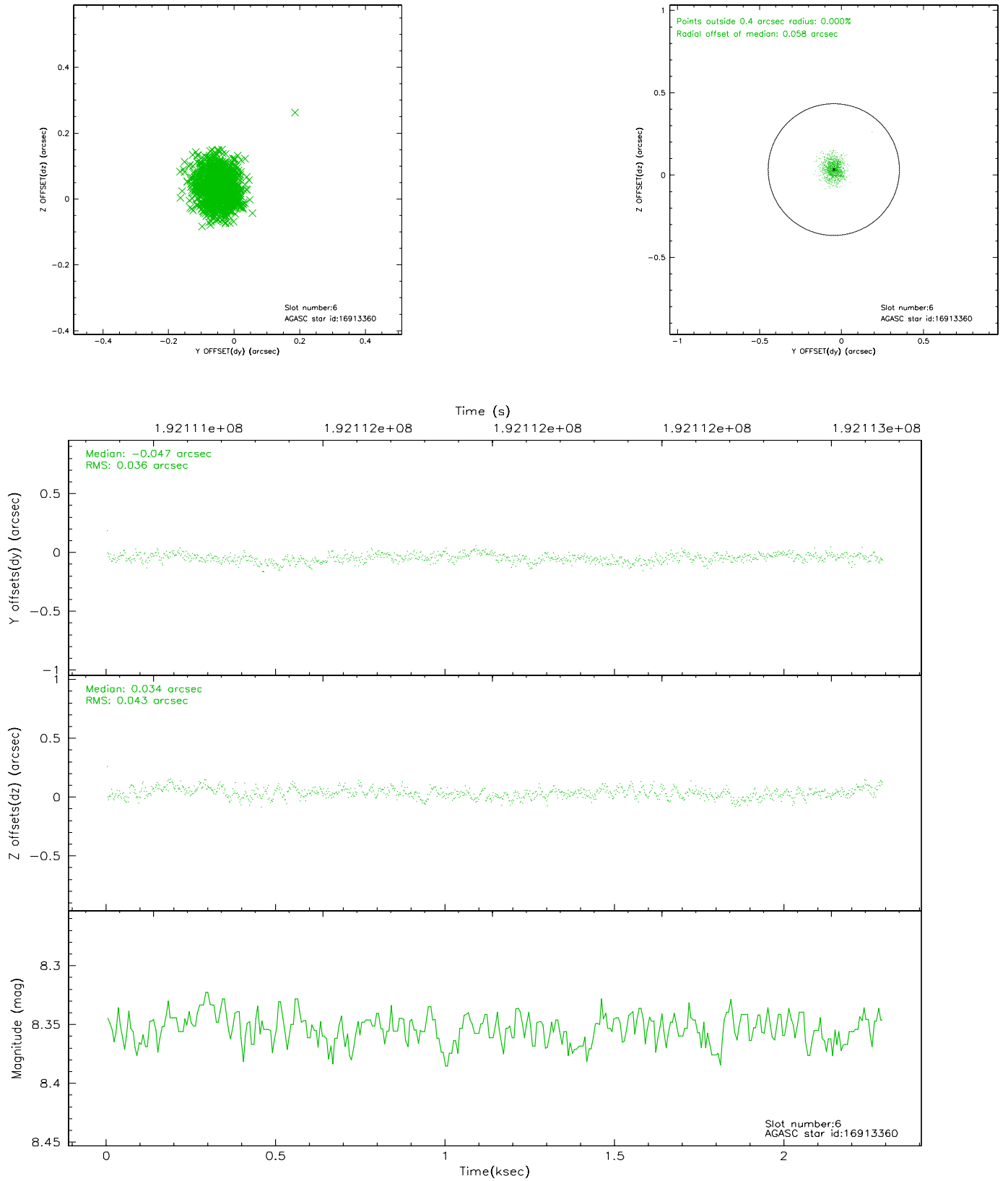
## 2.4.2 Slot 4



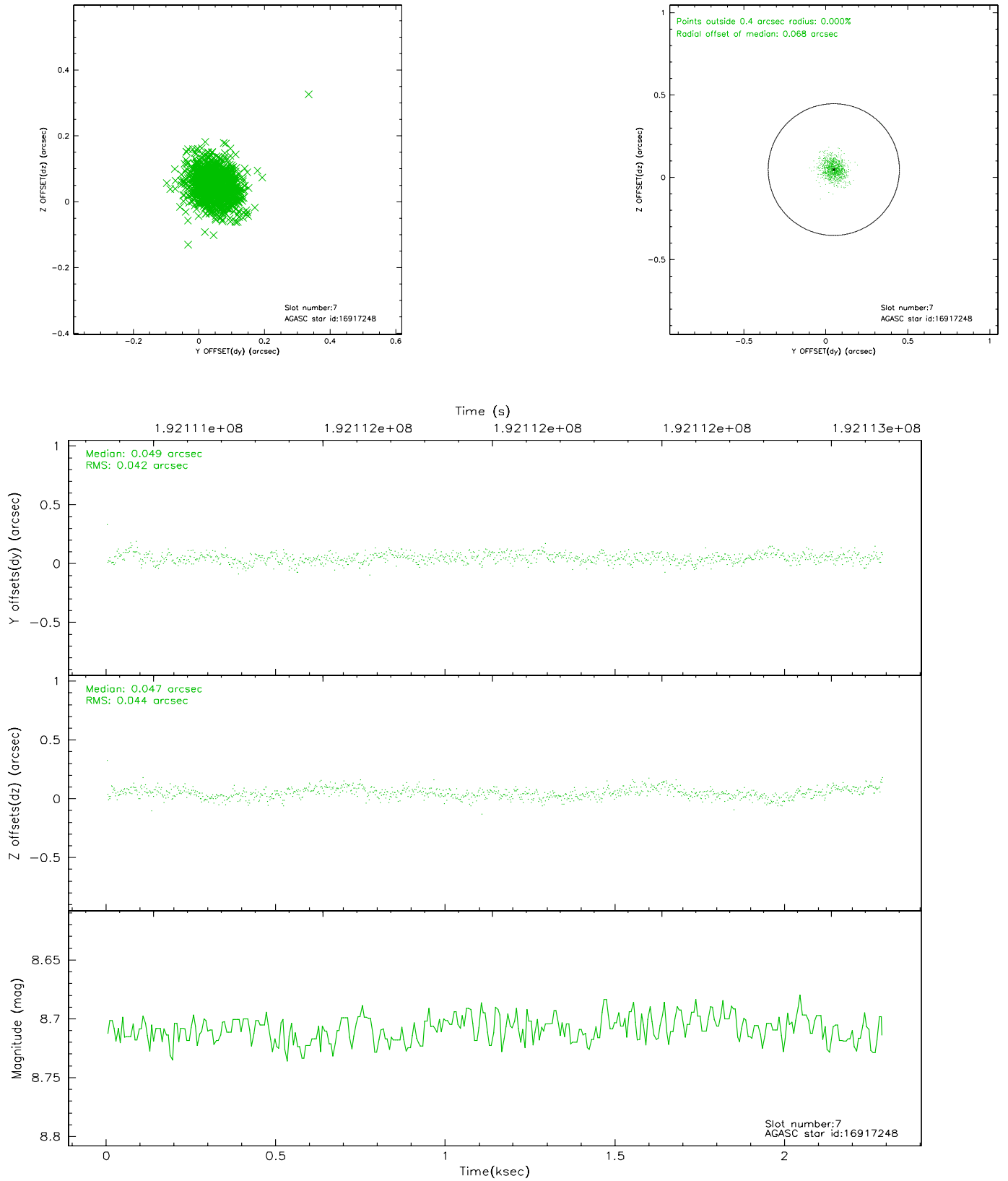
### 2.4.3 Slot 5



## 2.4.4 Slot 6

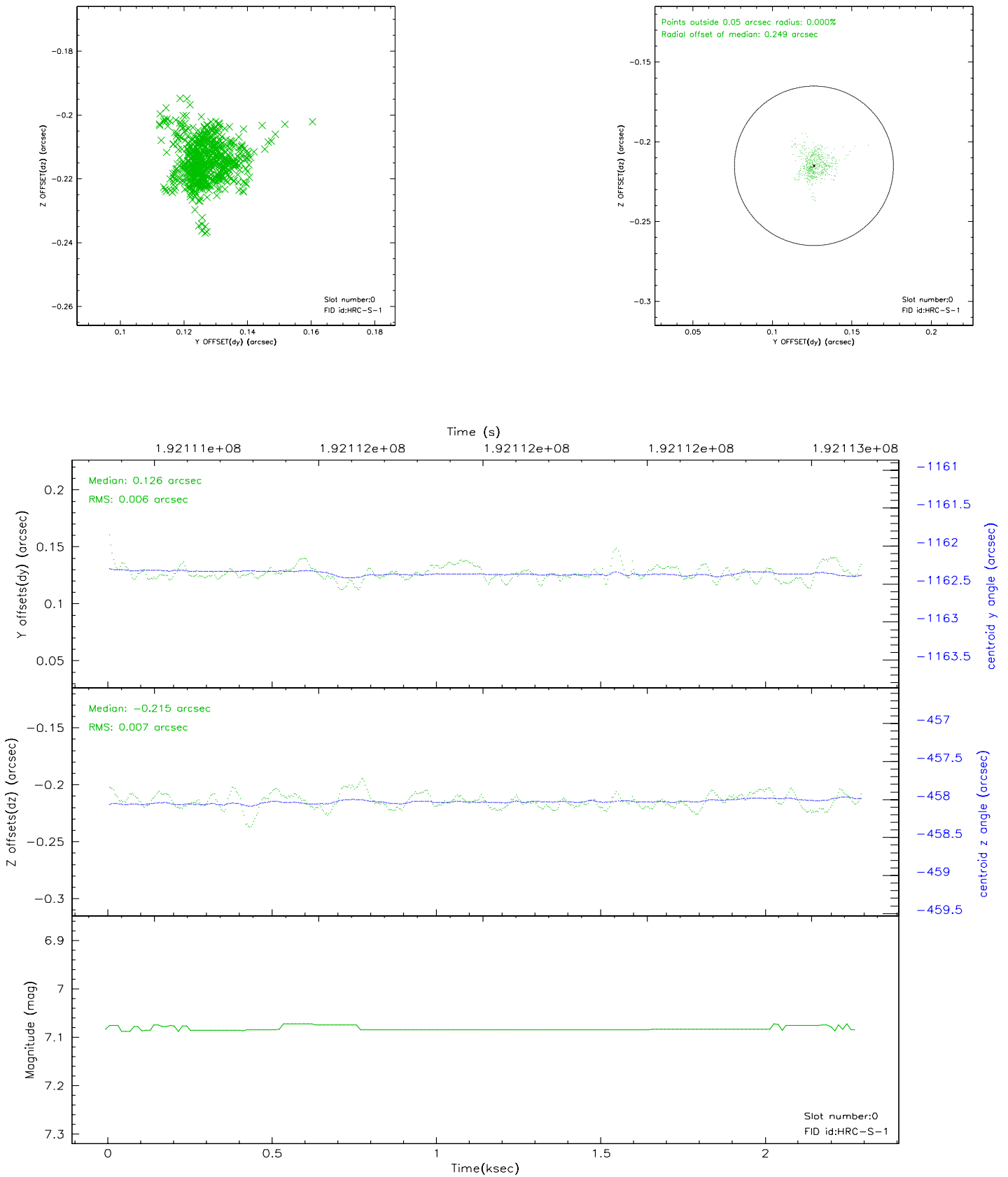


## 2.4.5 Slot 7

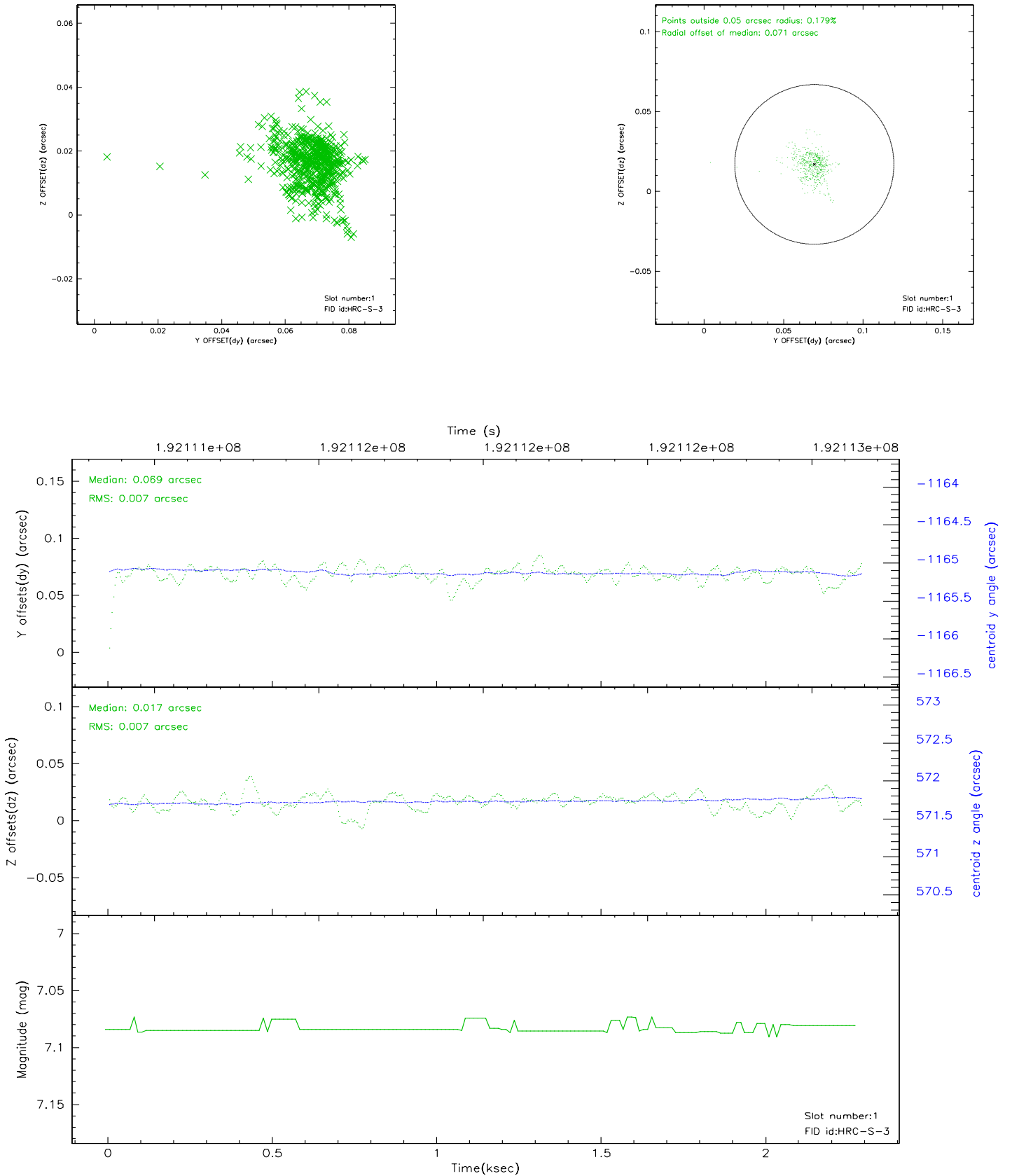


## 2.5 FID Slots

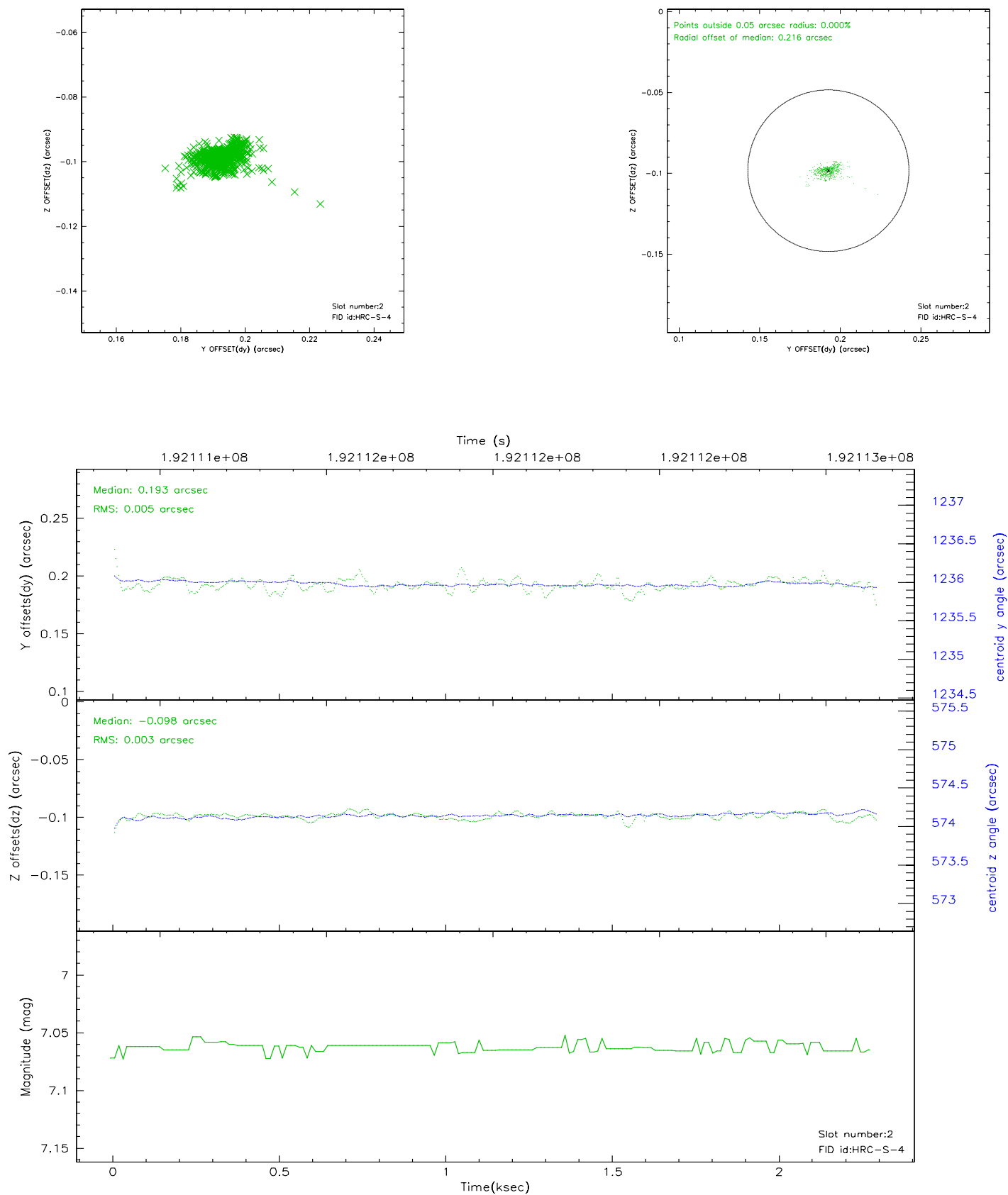
### 2.5.1 Slot 0



## 2.5.2 Slot 1



## 2.5.3 Slot 2





### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.245

## A.2 Comments

Window constraint satisfied.

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the secondary data products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible.