

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1573 - L2 Version 4  
Chandra X-Ray Center

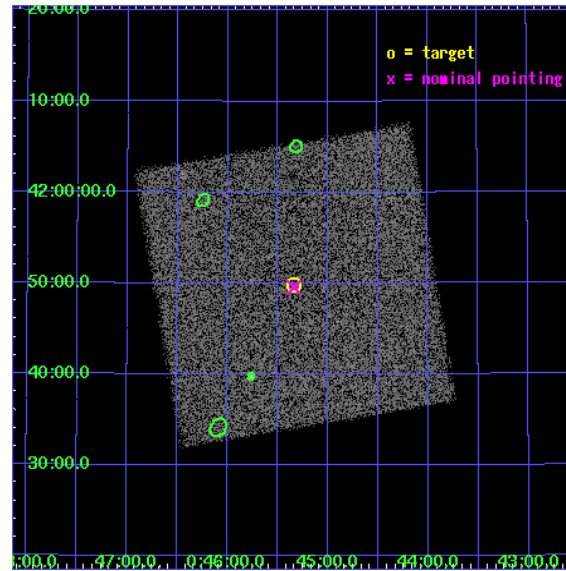
L2 Processing Date : Nov 21 2007

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# 1 Front

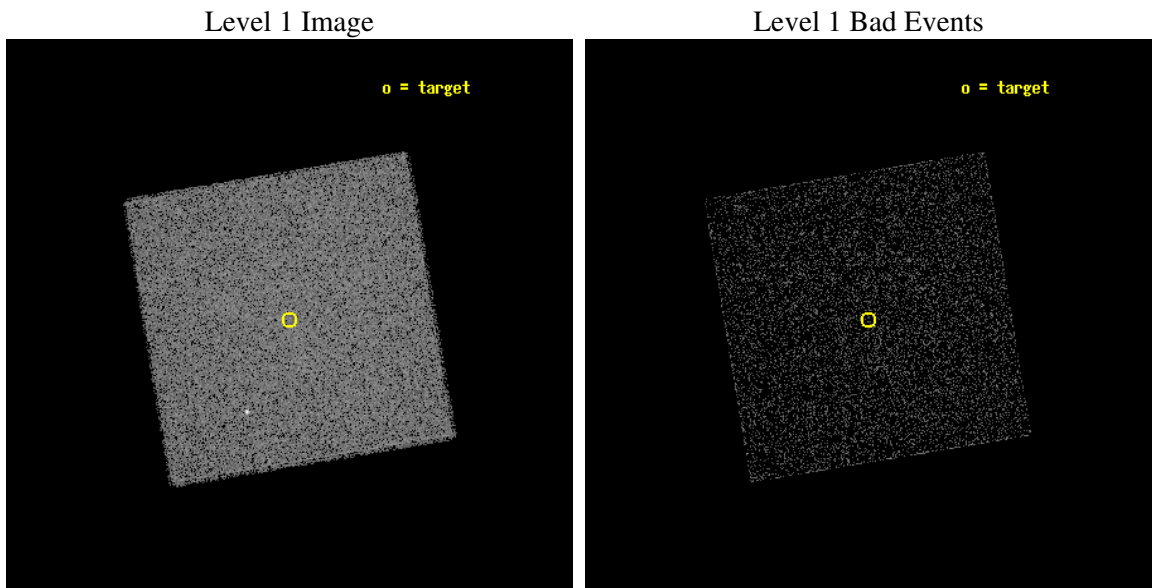
seq_num	600130
obs_id	1573
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - NORTH 2
ra_targ	11.333333
dec_targ	41.829722
ra_nom	11.334483279594
dec_nom	41.82586035169
roll_nom	305.481249526
revision	4
ontime	1194.3812959939
livetime	1186.2976074082
l2events	59315



## 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	2007-11-21T08:32:55
revision	4

sched_exp_time	1000.000000
ontime	1194.3812959939
l1events	134798

### 2.1.3 Events

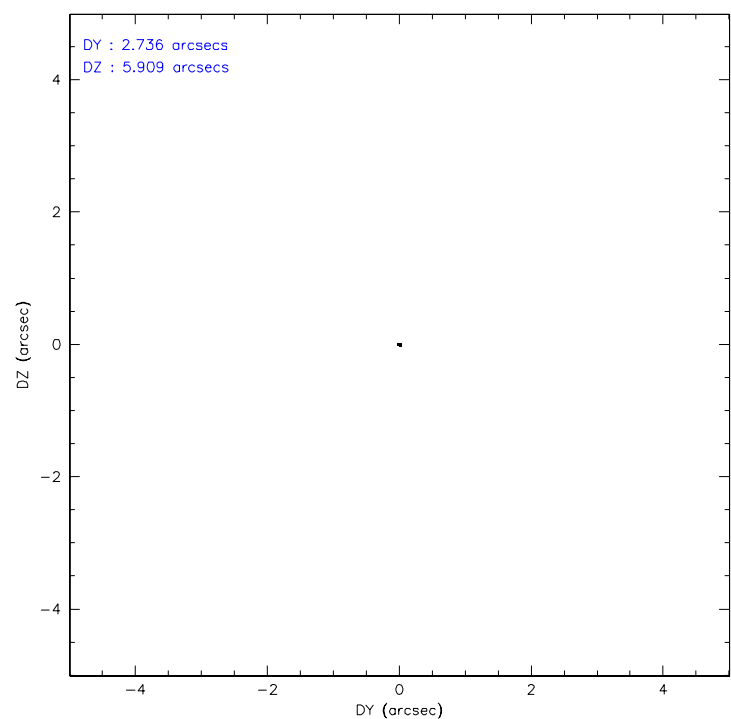
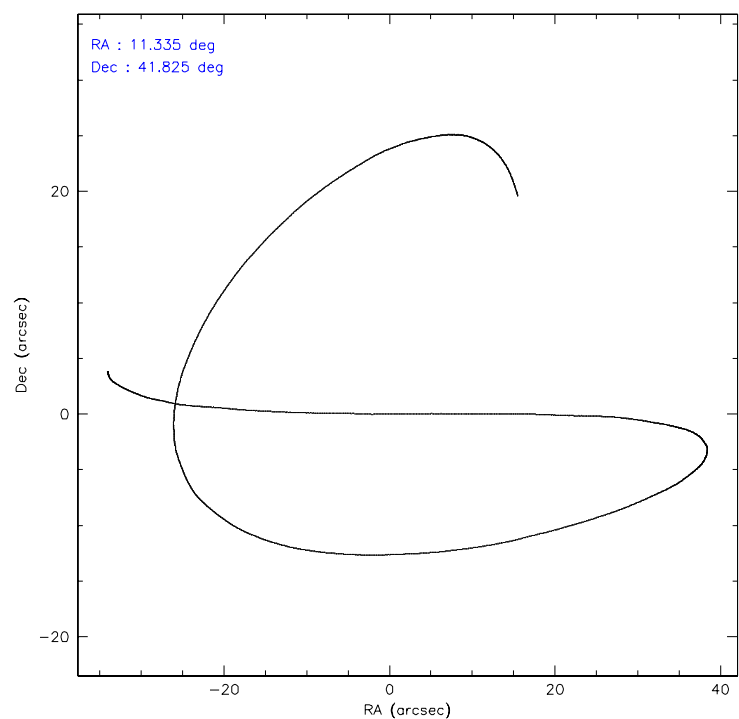
#### Level 1 Events

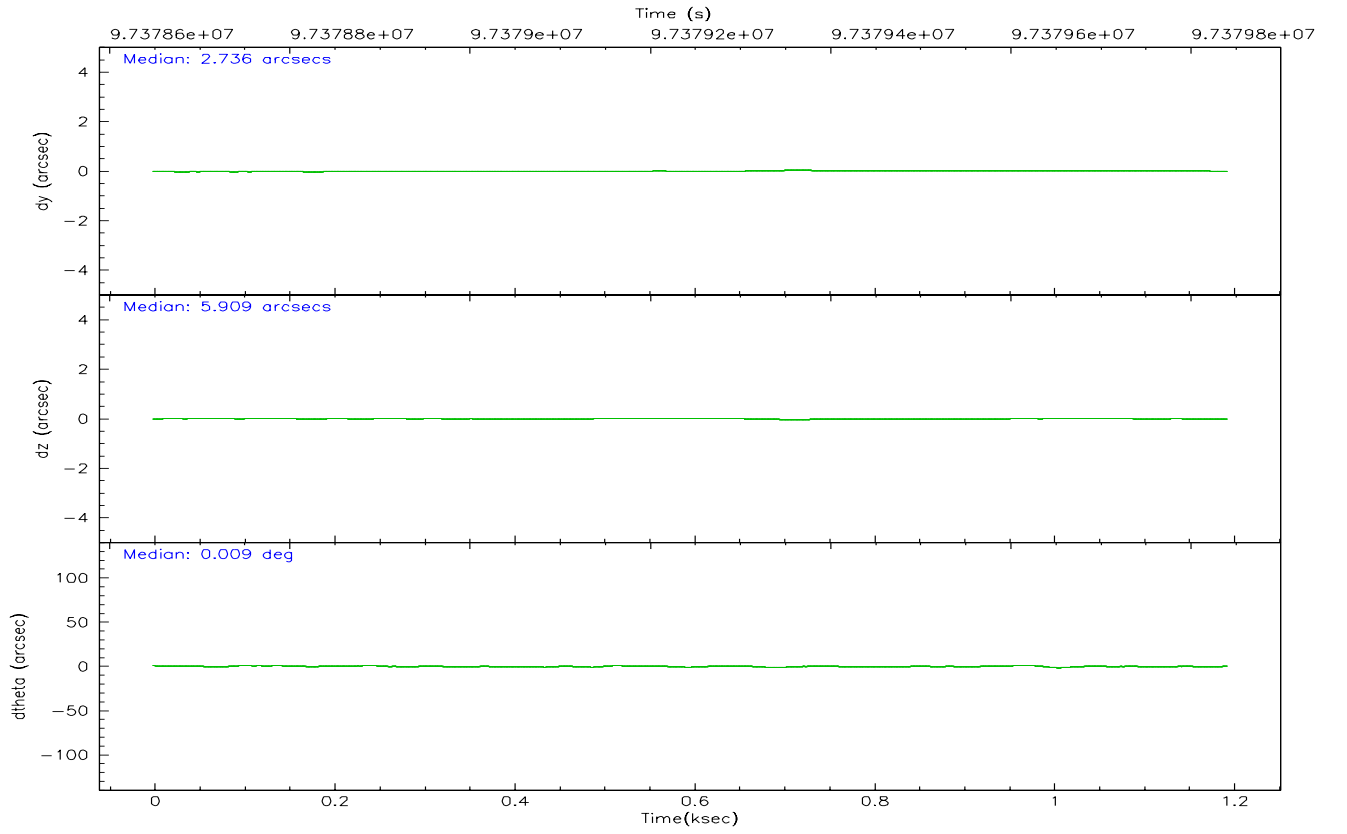
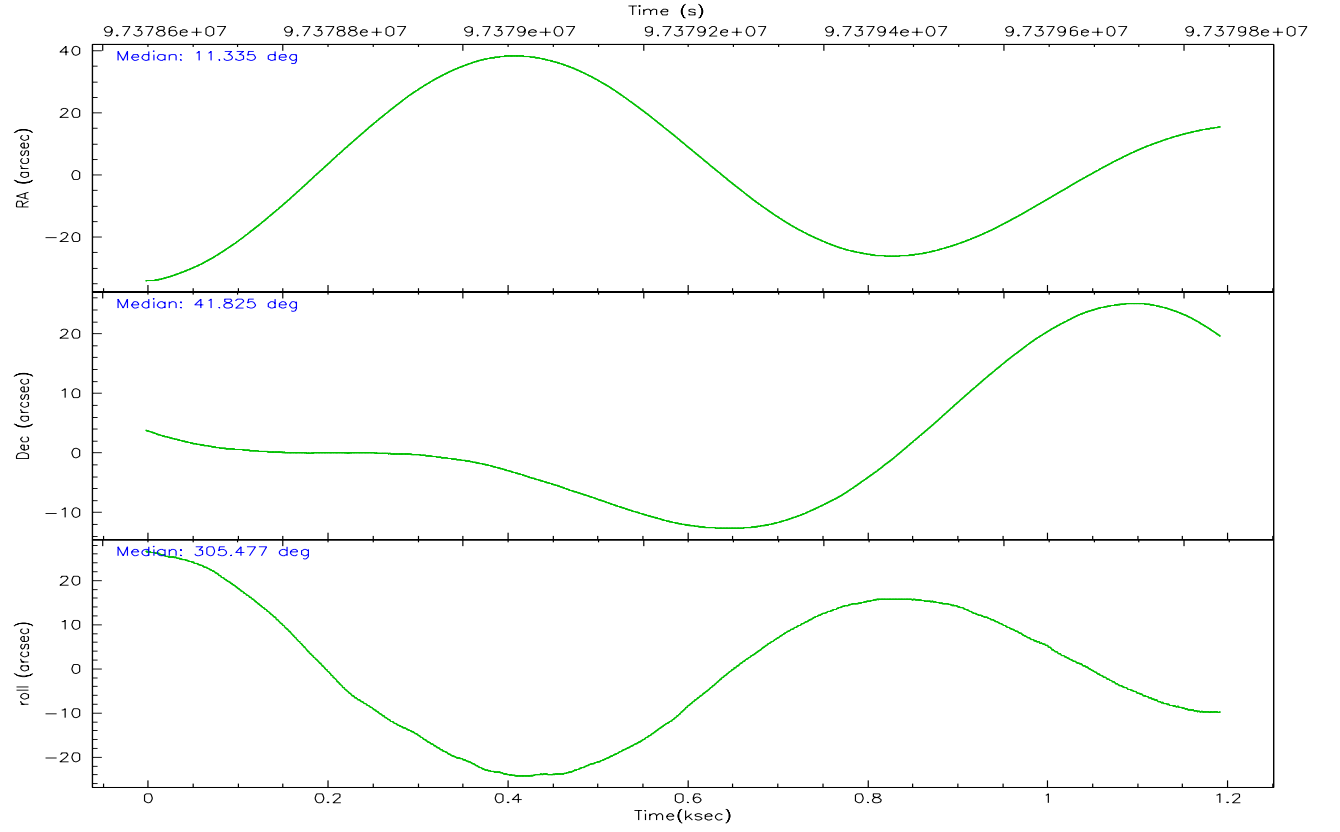
	<b>segment 0</b>
level 1 events	134798
rejected events	52559
rejected %	38%

## 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	11.301133	11.33448327959401			
Pointing Dec	41.836330	41.82586035168988			
Pointing Roll	305.599002	305.4812495260038			
Window start time	97372864.184000	97372864.184000			
Window stop time	98496064.184000	98496064.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	97378839.184000	97378463.26686899			
Observation start date	2001-02-01T01:39:35	2001-02-01T01:34:23			
Observation end time	97379839.184000	97380653.691954			
Observation end date	2001-02-01T01:56:15	2001-02-01T02:10:53			

## 2.3 Aspect





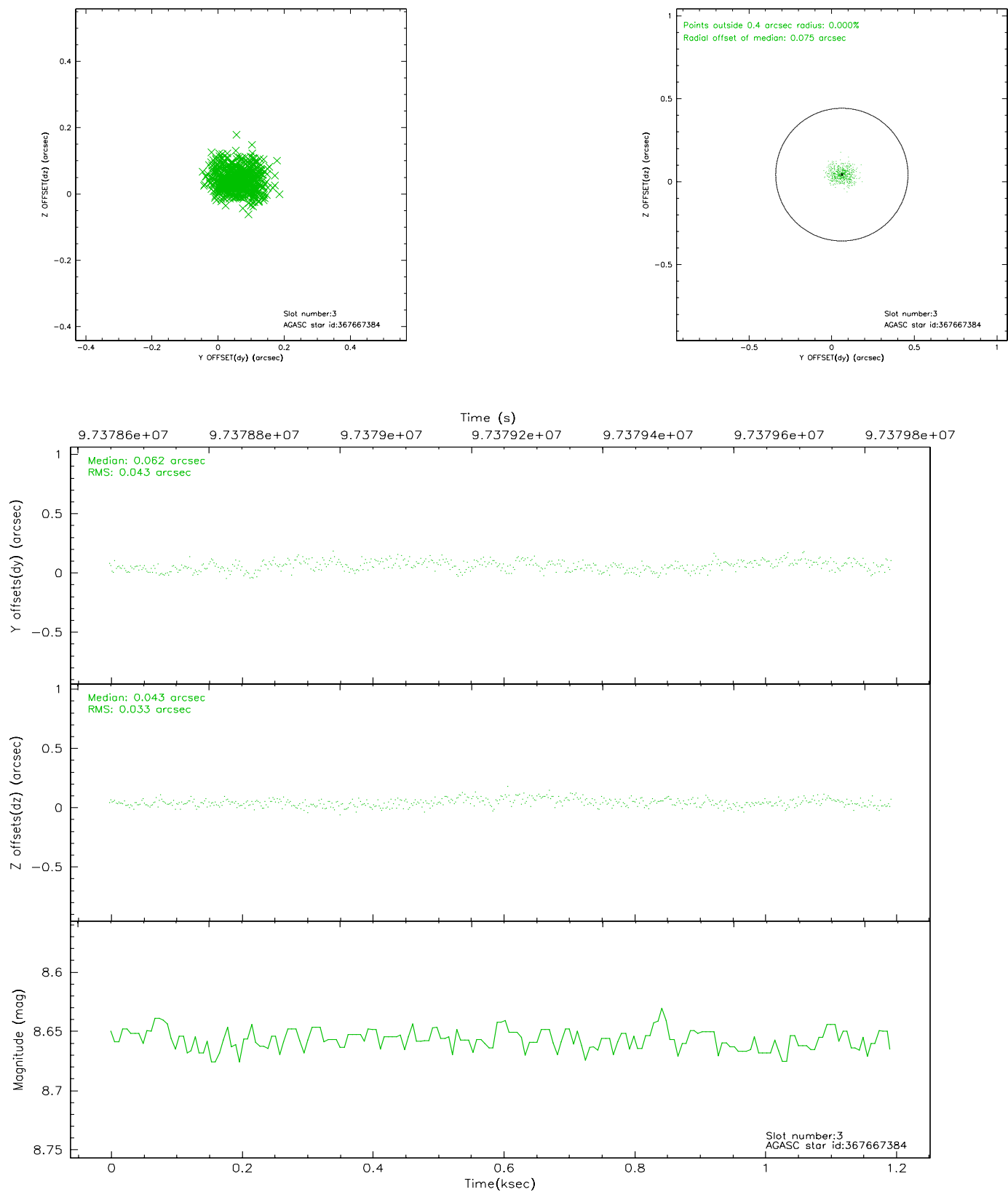
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	292	0.035	0.027	0.006	0.012	0.000000	0.000000	-758.17	-1293.74
1	FID	HRC-I-3	7.04	292	0.031	-0.078	0.007	0.011	0.000000	0.000000	-1189.25	1006.29
2	FID	HRC-I-4	6.98	292	0.047	-0.039	0.005	0.008	0.000000	0.000000	1280.57	1011.80
3	GUIDE	367667384	8.66	584	0.062	0.043	0.059	0.091	12.077552	41.596878	1910.43	1202.31
4	GUIDE	367674552	8.84	584	0.037	-0.114	0.075	0.144	11.016238	41.570845	333.29	-1178.76
5	GUIDE	367146616	8.87	584	0.137	0.011	0.089	0.148	11.418645	41.190163	2077.84	-1098.22
6	GUIDE	367671800	9.41	584	-0.140	-0.061	0.082	0.134	10.554735	41.964935	-1542.60	-1353.29
7	GUIDE	367670520	9.26	583	-0.098	0.110	0.084	0.132	11.265516	42.371946	-1625.41	1041.91

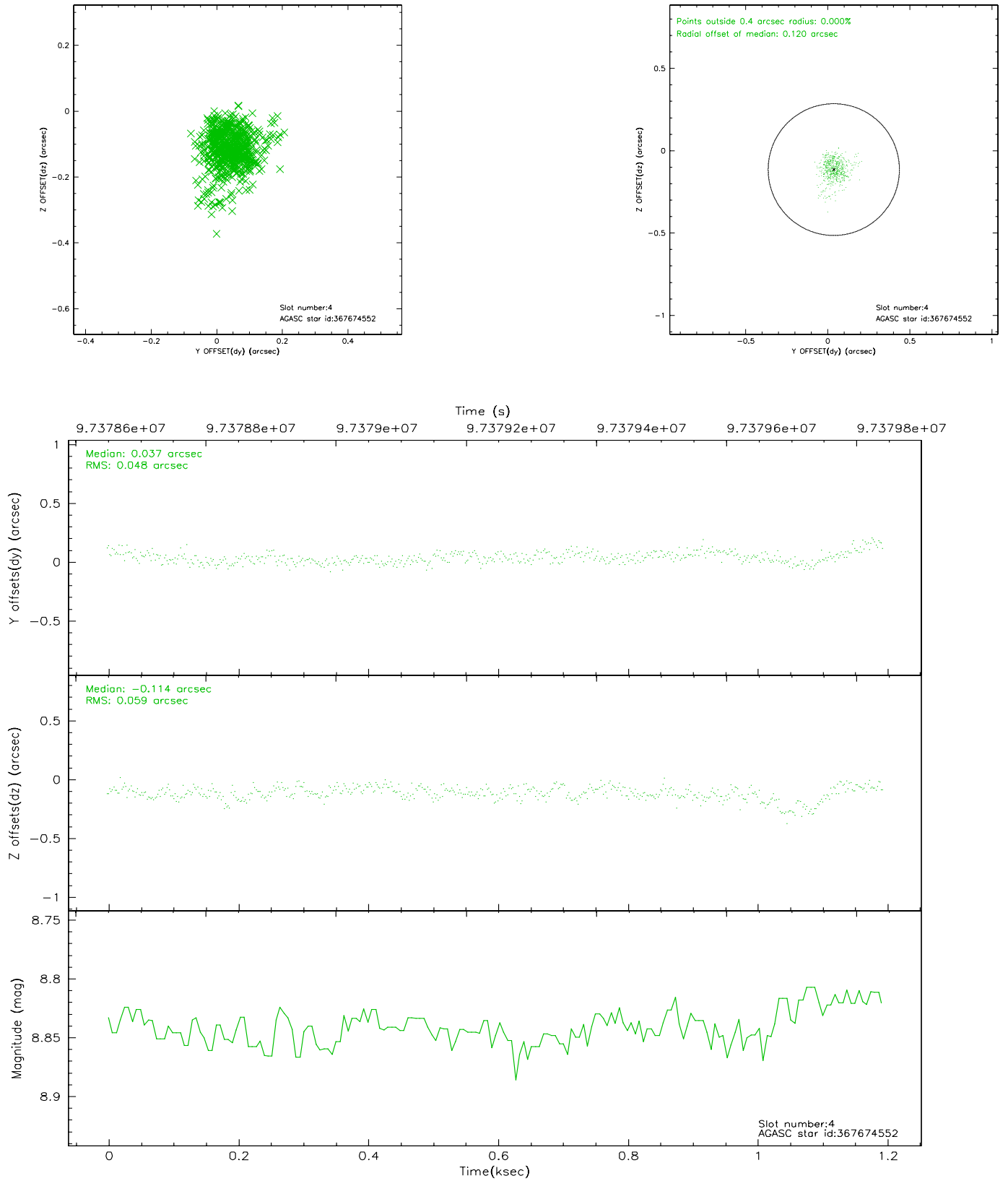


## 2.4 Star Slots

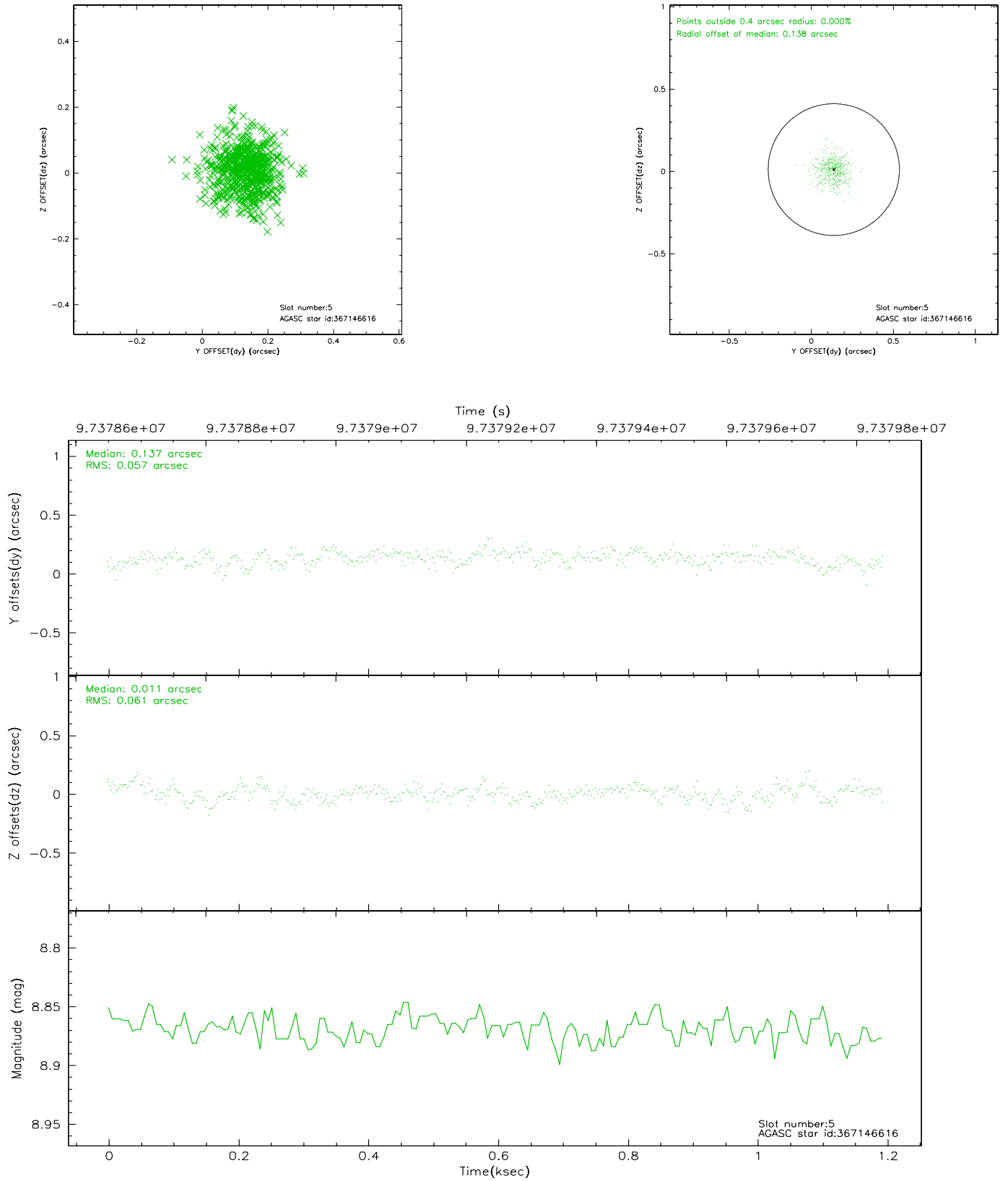
### 2.4.1 Slot 3



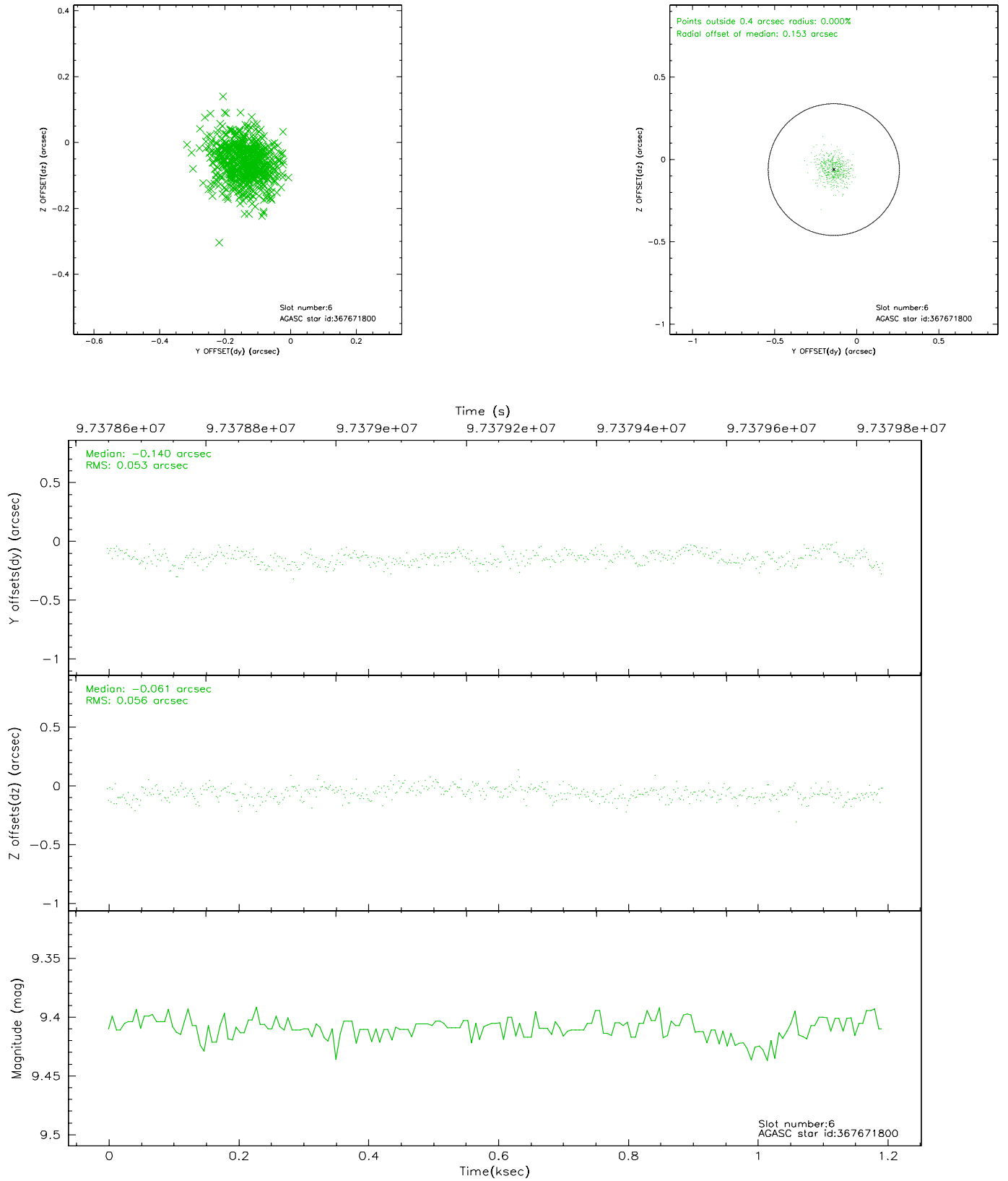
## 2.4.2 Slot 4



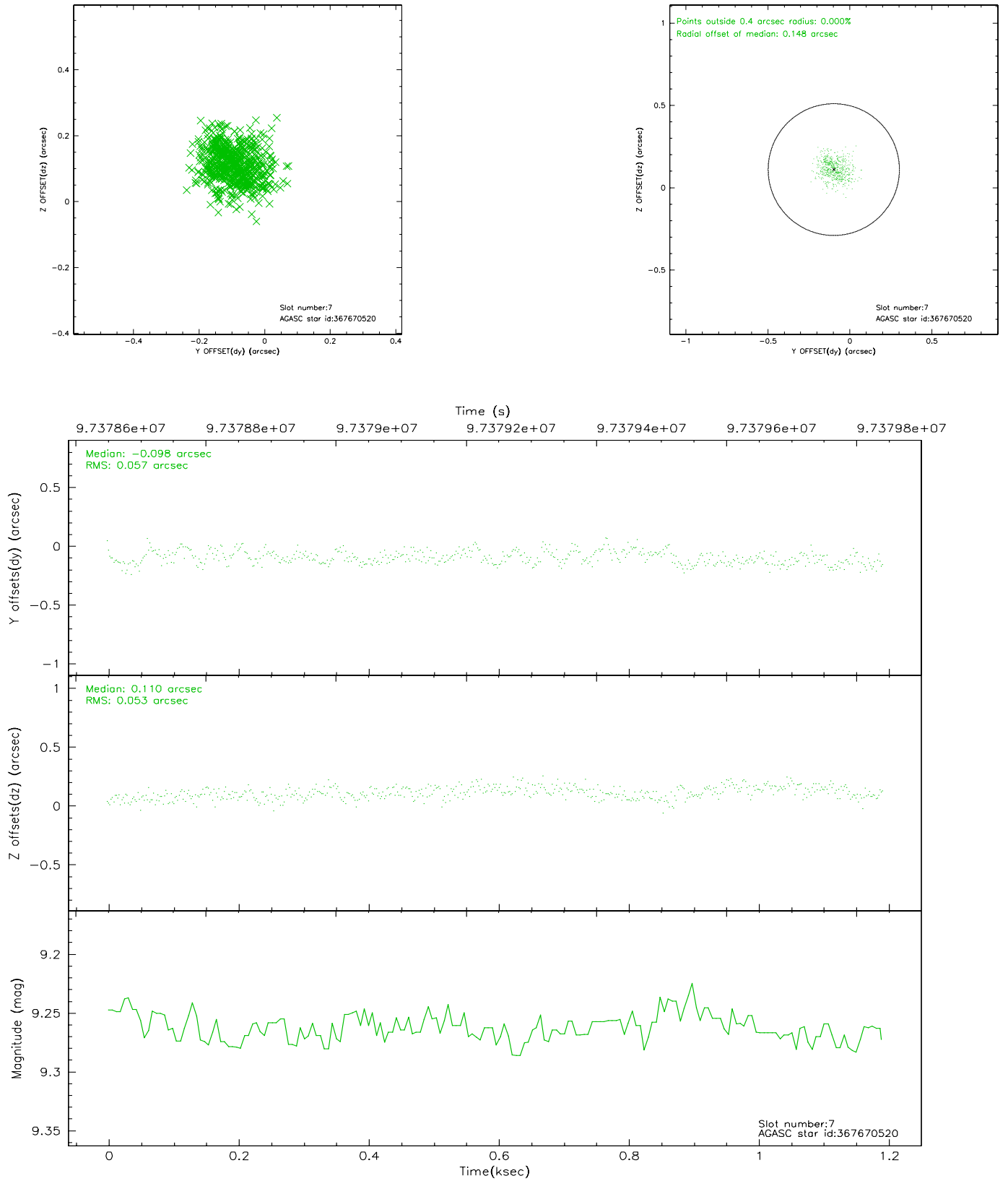
### 2.4.3 Slot 5



## 2.4.4 Slot 6

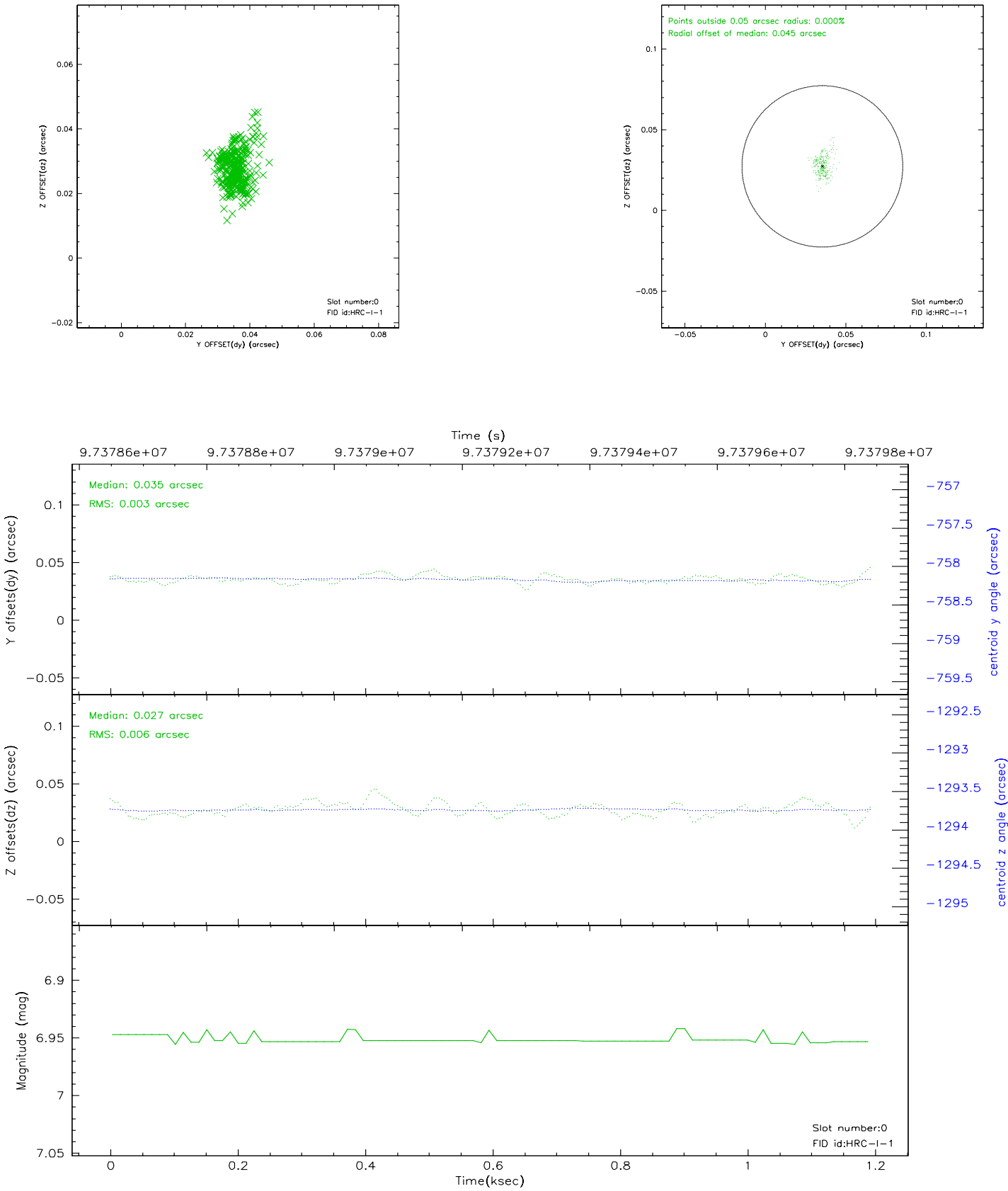


## 2.4.5 Slot 7

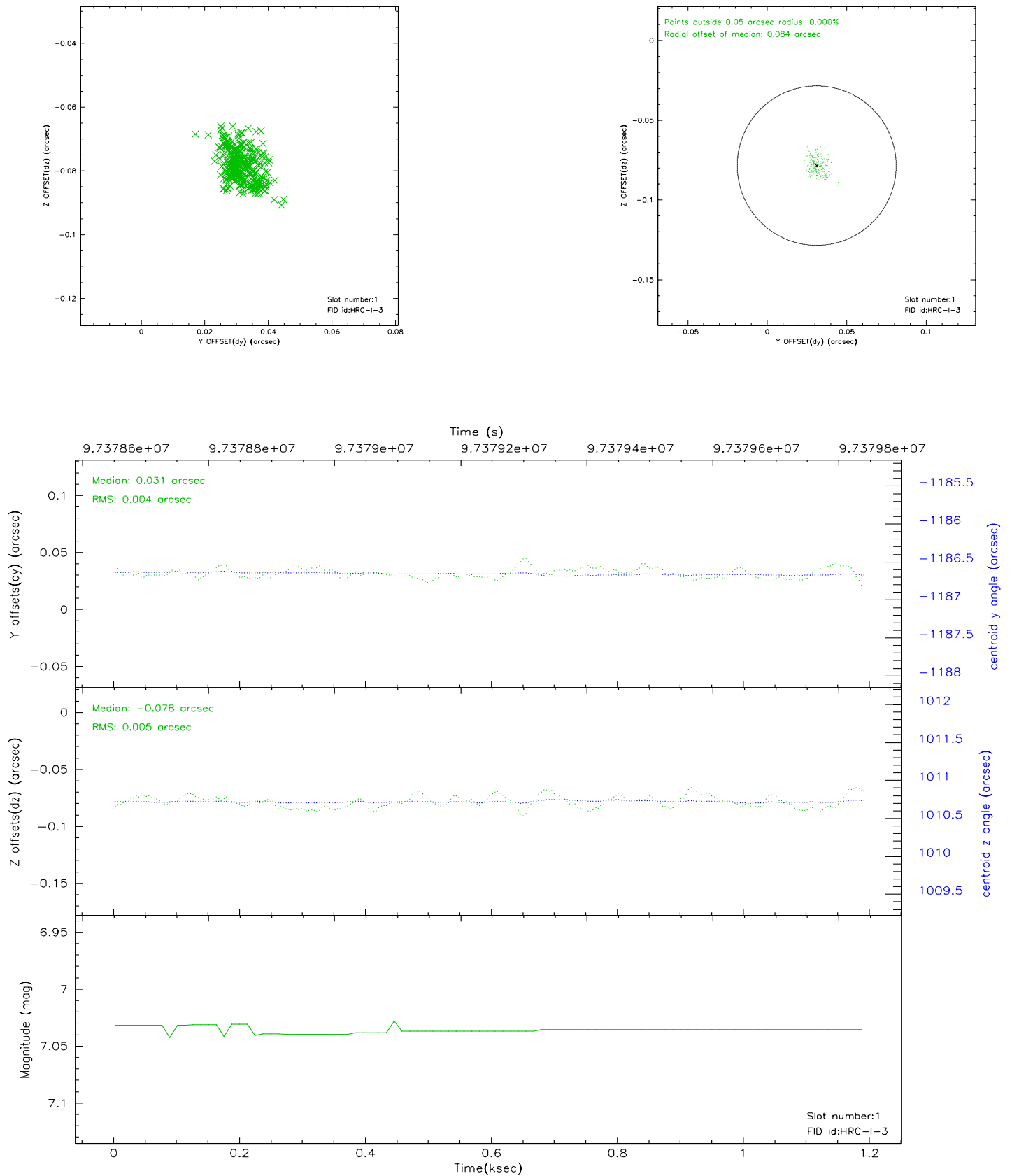


## 2.5 FID Slots

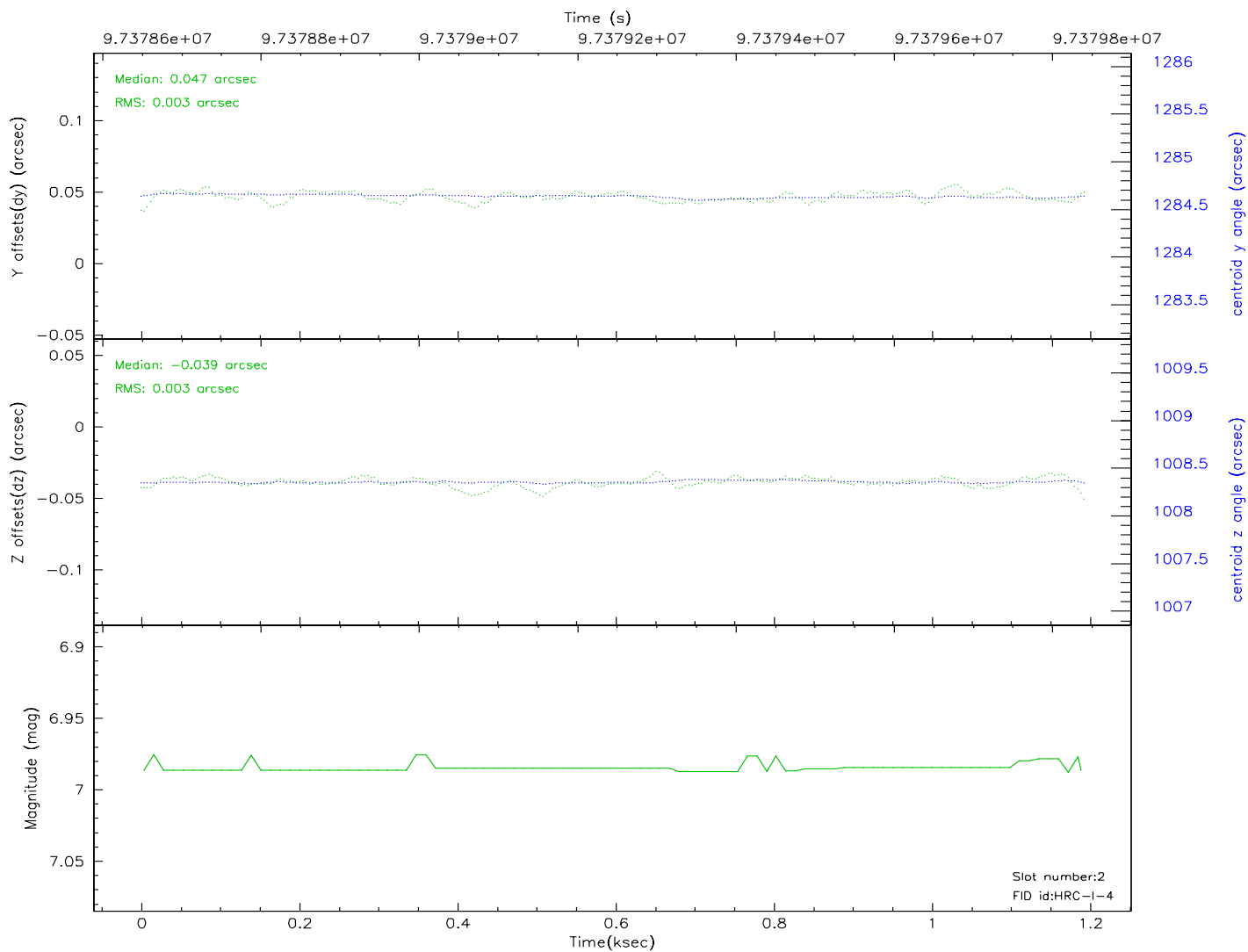
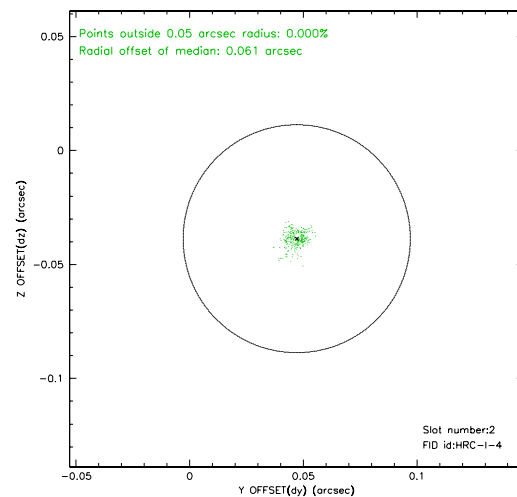
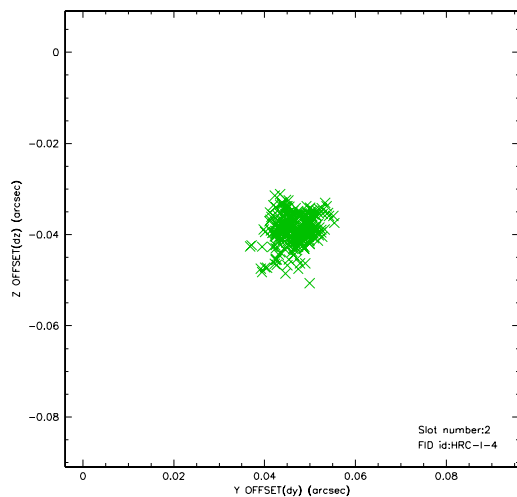
### 2.5.1 Slot 0



## 2.5.2 Slot 1

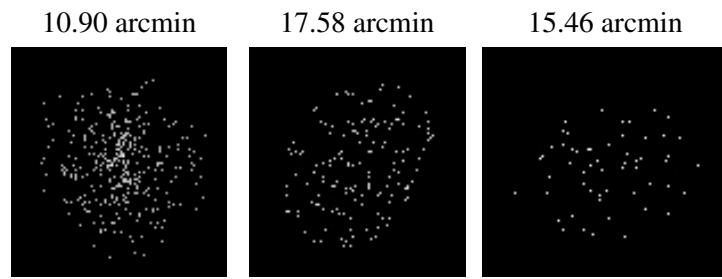


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

## A.2 Comments

Window constraint met.

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.