

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1569 - L2 Version 4  
Chandra X-Ray Center

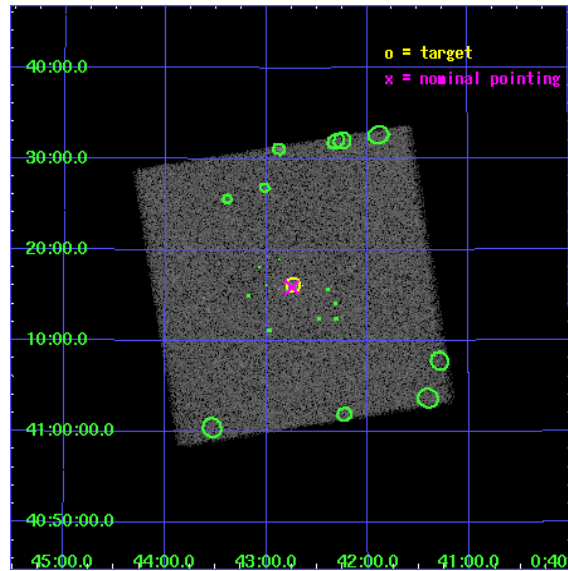
L2 Processing Date : Nov 21 2007

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# 1 Front

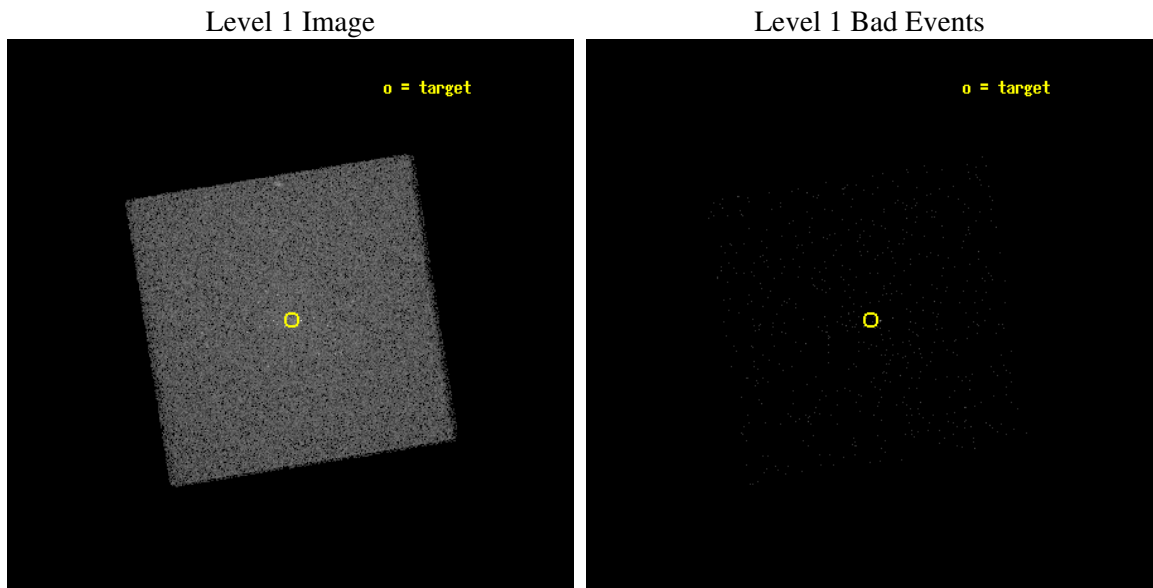
seq_num	600126
obs_id	1569
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - CENTER
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.687169500808
dec_nom	41.264872227745
roll_nom	305.85318330867
revision	4
ontime	1194.381295979
livetime	1168.8908773937
l2events	129724



## 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	2007-11-21T08:32:49
revision	4

sched_exp_time	1000.000000
ontime	1194.381295979
l1events	206859

### 2.1.3 Events

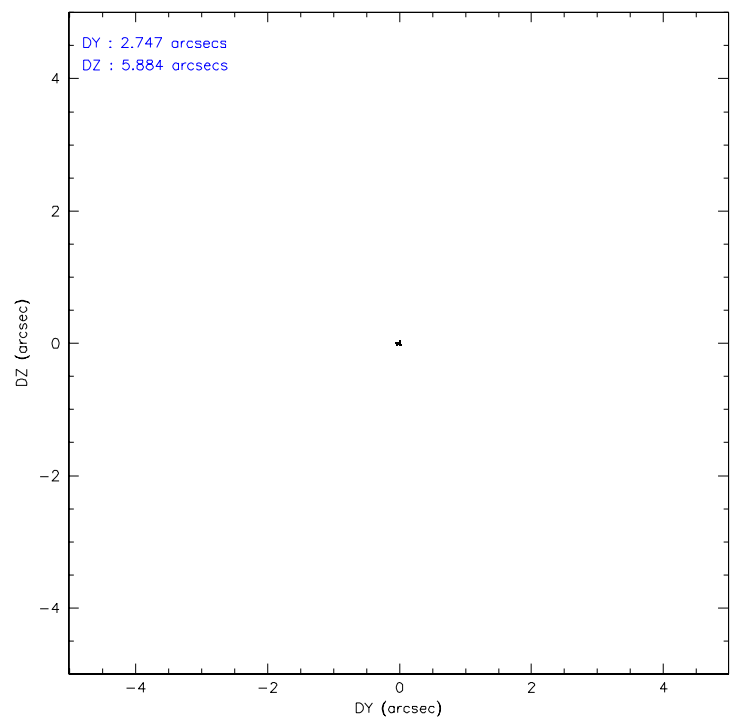
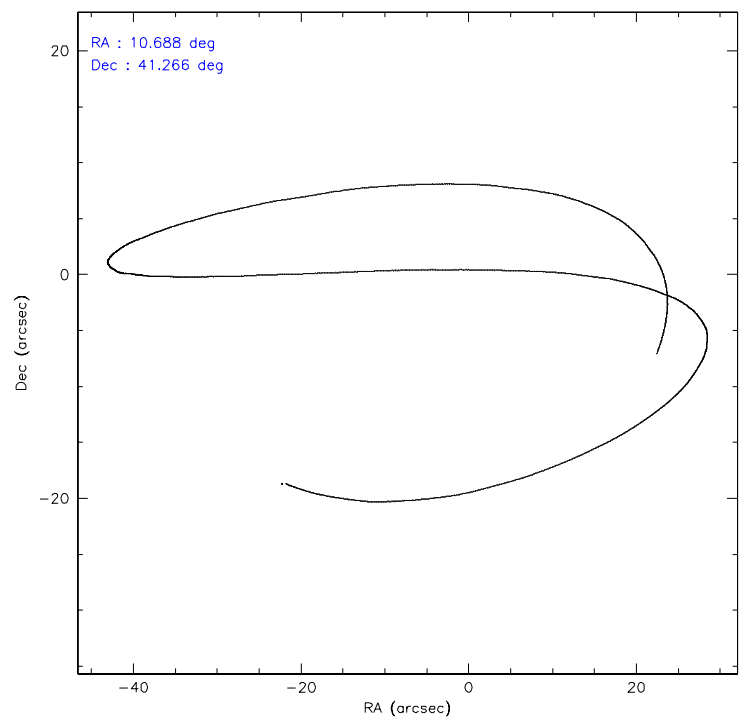
#### Level 1 Events

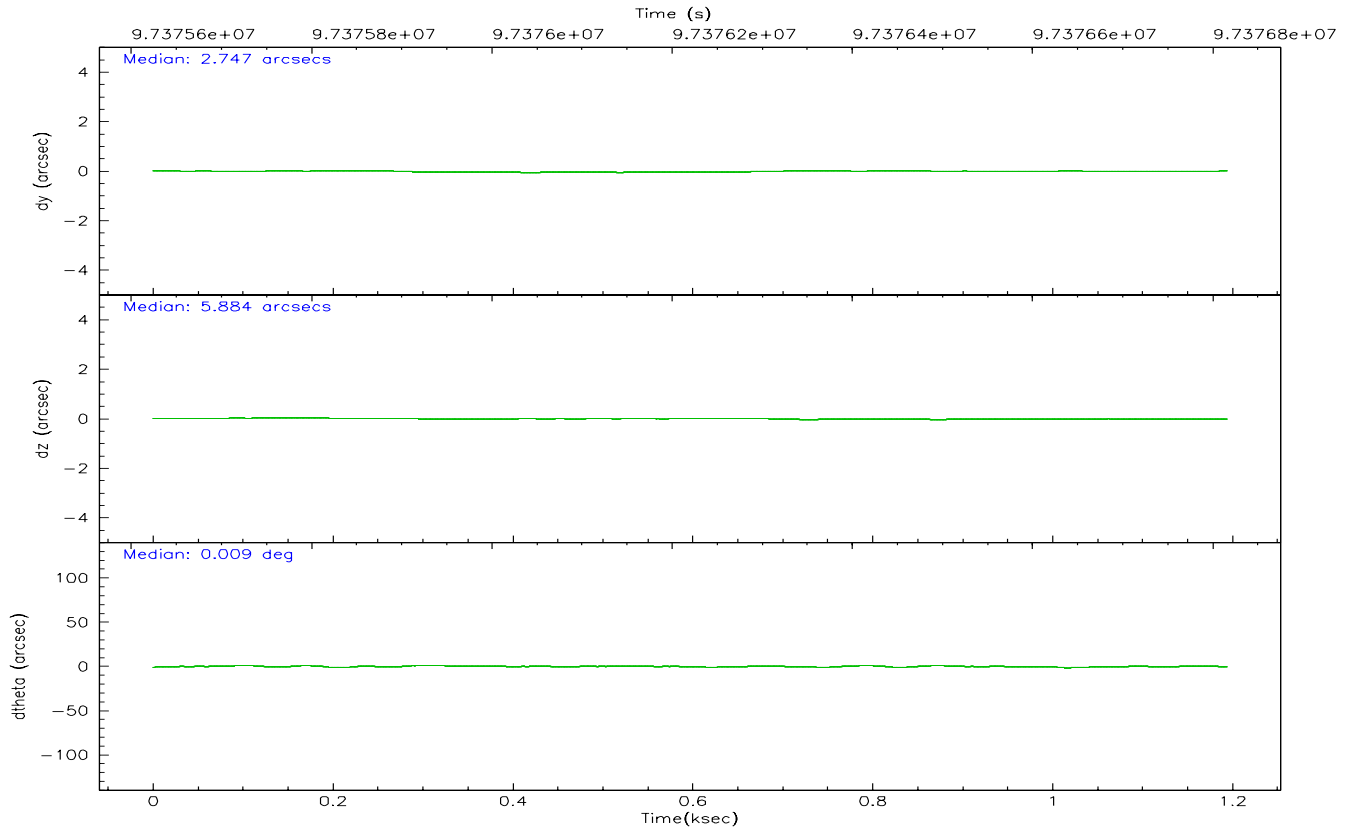
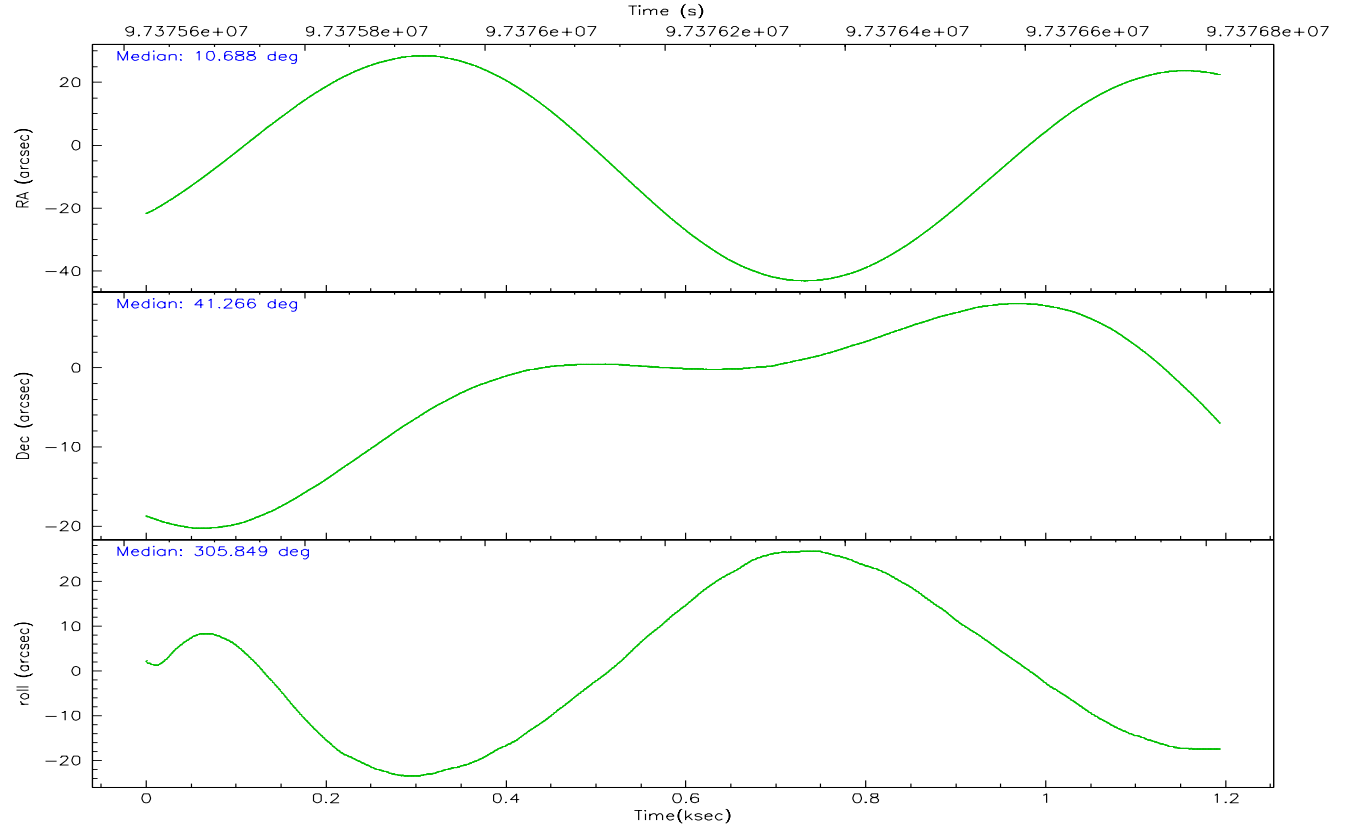
	<b>segment 0</b>
level 1 events	206859
rejected events	41125
rejected %	19%

## 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	10.653019	10.68716950080767			
Pointing Dec	41.275415	41.26487222774504			
Pointing Roll	305.971253	305.8531833086715			
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	97375819.184000	97375443.10425299			
Observation start date	2001-02-01T00:49:15	2001-02-01T00:44:03			
Observation end time	97376819.184000	97376952.92931101			
Observation end date	2001-02-01T01:05:55	2001-02-01T01:09:12			

## 2.3 Aspect





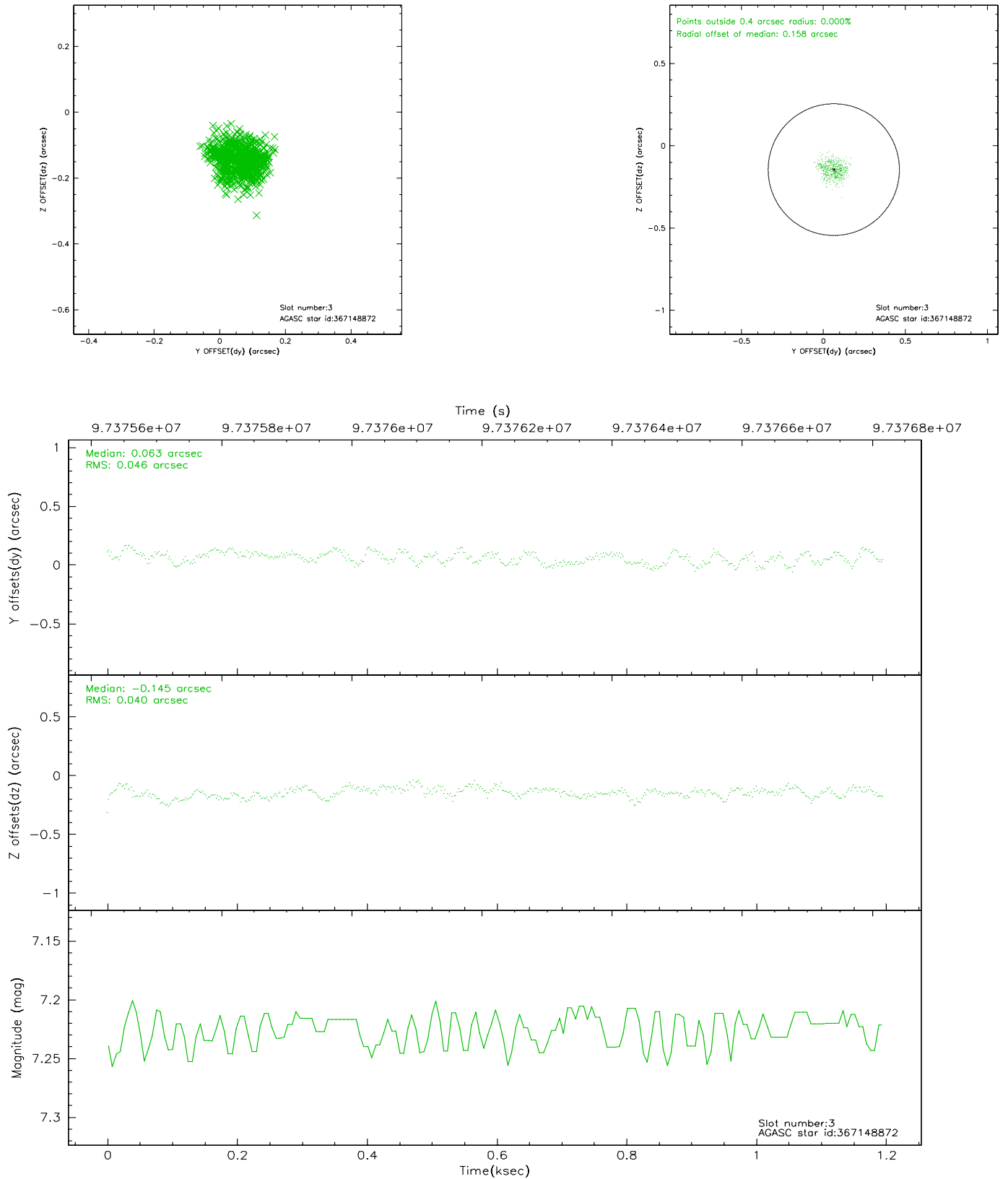
### Slot Statistics

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	0.036	-0.019	0.005	0.008	0.000000	0.000000	-758.18	-1293.76
1	FID	HRC-I-2	7.00	292	0.060	-0.009	0.006	0.009	0.000000	0.000000	851.87	-1299.77
2	FID	HRC-I-4	6.98	292	0.021	-0.065	0.005	0.007	0.000000	0.000000	1287.54	1003.89
3	GUIDE	367148872	7.22	584	0.063	-0.145	0.067	0.100	10.505940	40.688258	1472.73	-1569.38
4	GUIDE	367139768	7.99	584	0.014	0.045	0.064	0.102	11.069715	40.685175	2386.14	-331.32
5	GUIDE	367674552	8.86	584	-0.020	0.042	0.074	0.123	11.016238	41.570845	-285.89	1414.16
6	GUIDE	367146616	8.86	584	0.099	0.015	0.073	0.117	11.418645	41.190163	1456.74	1503.35
7	GUIDE	367671800	9.41	583	-0.150	0.033	0.103	0.262	10.554735	41.964935	-2163.42	1244.82

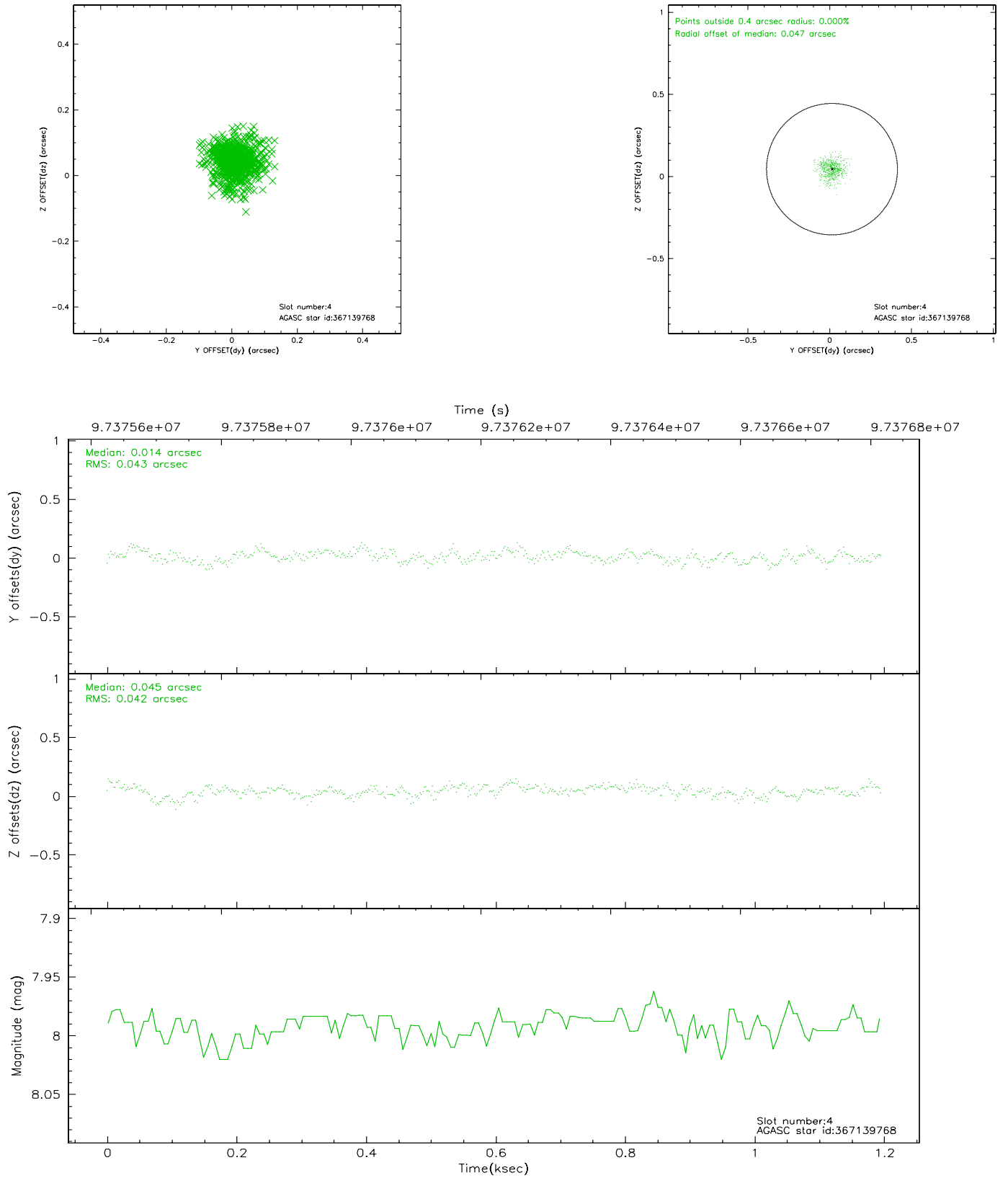


## 2.4 Star Slots

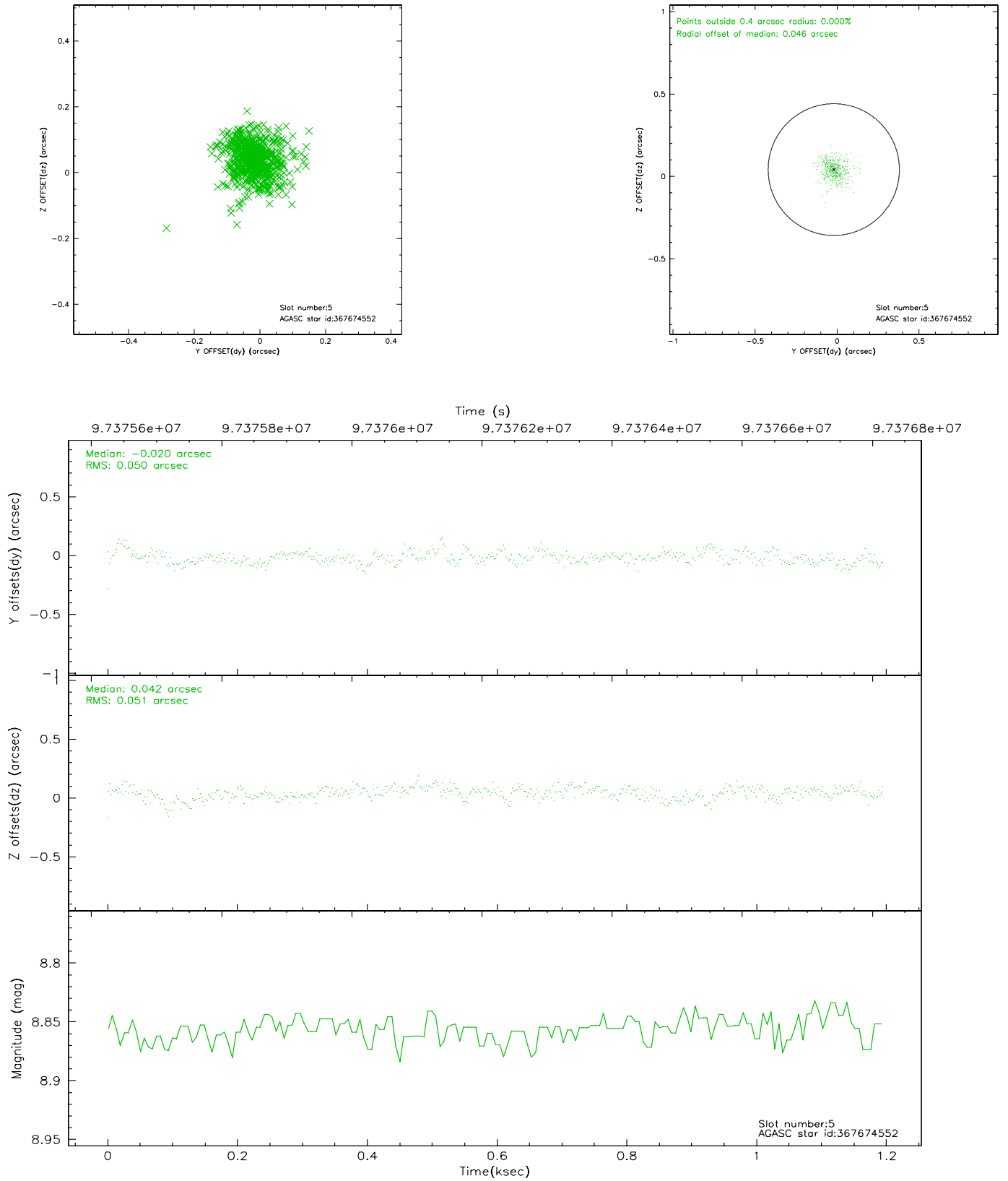
### 2.4.1 Slot 3



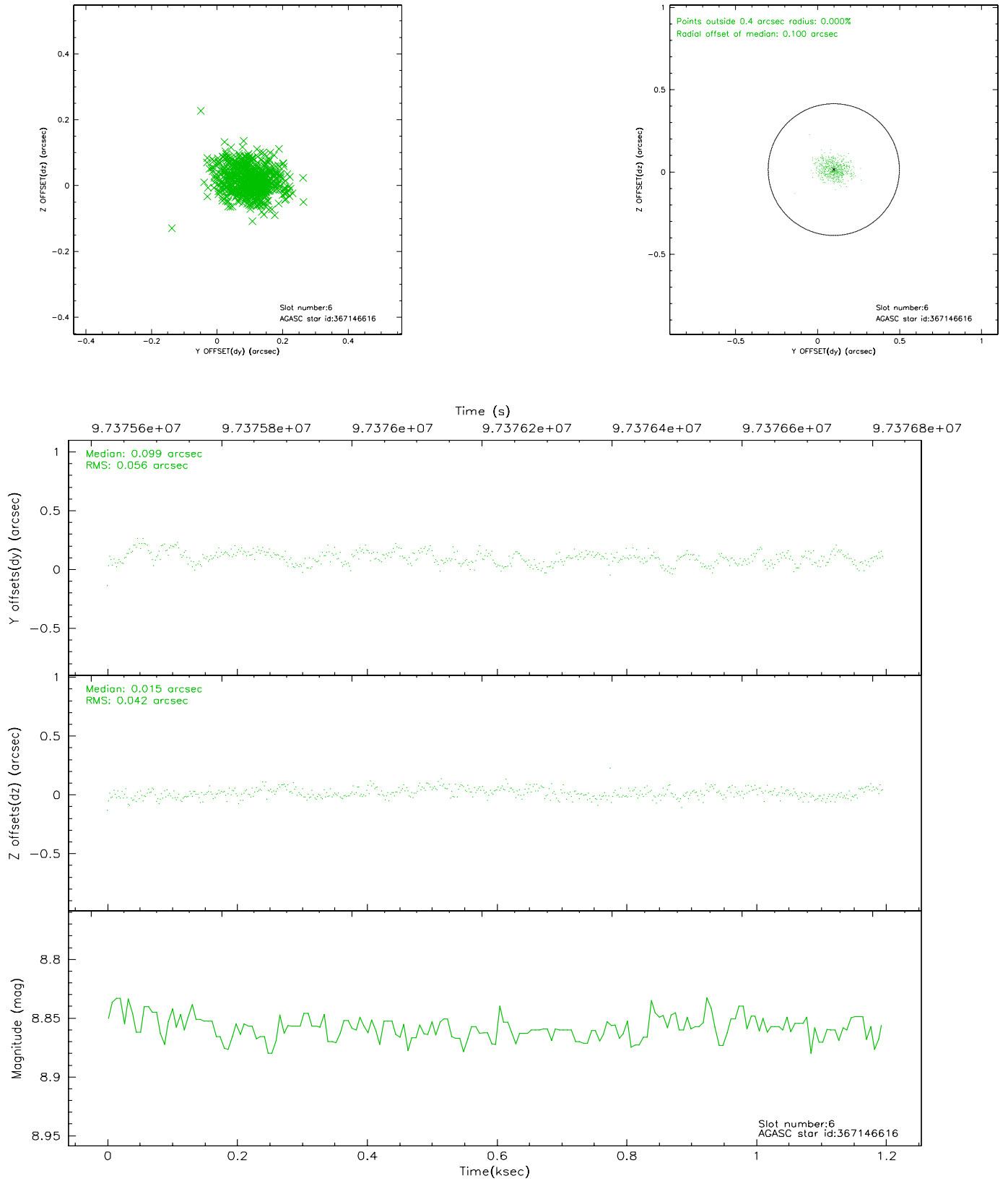
## 2.4.2 Slot 4



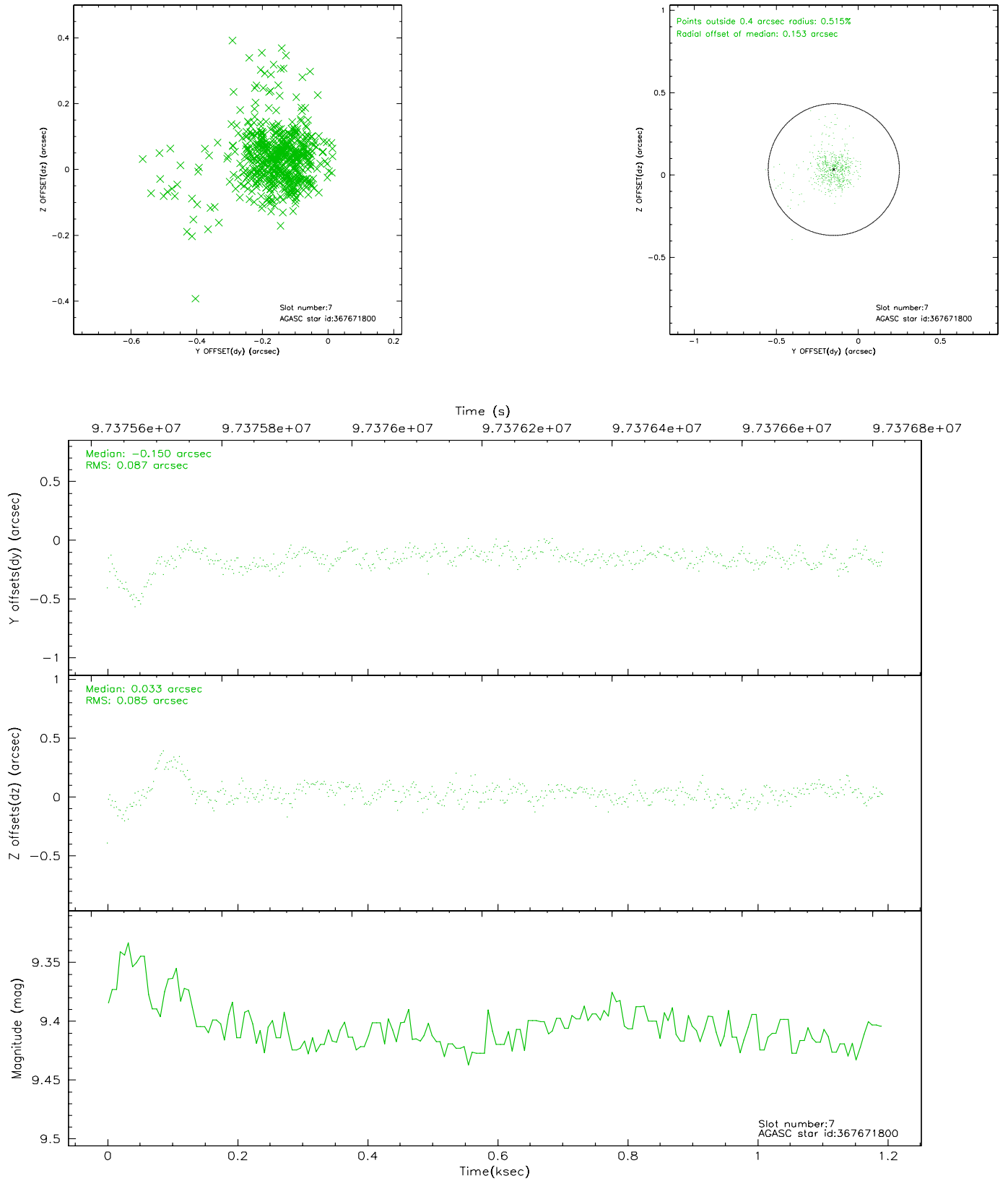
### 2.4.3 Slot 5



## 2.4.4 Slot 6

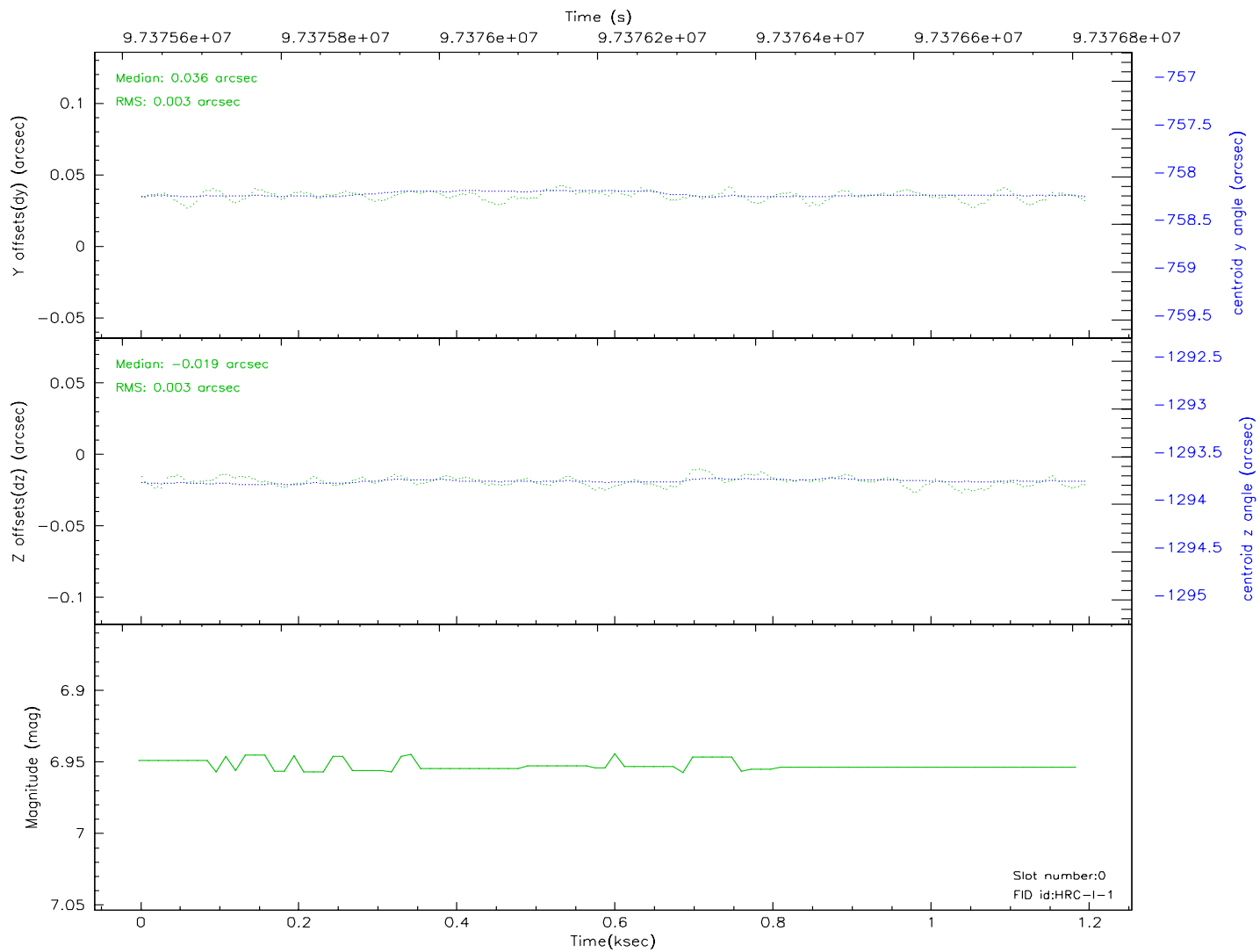
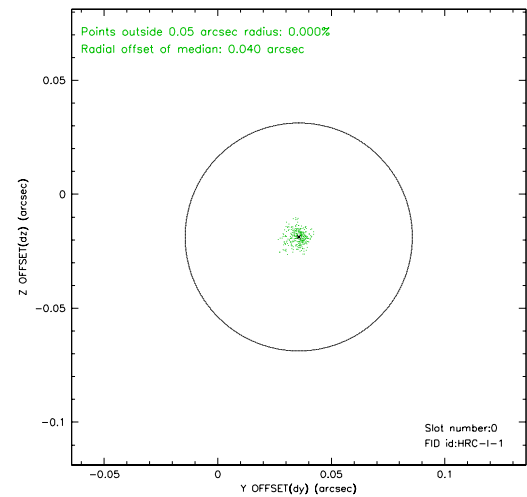
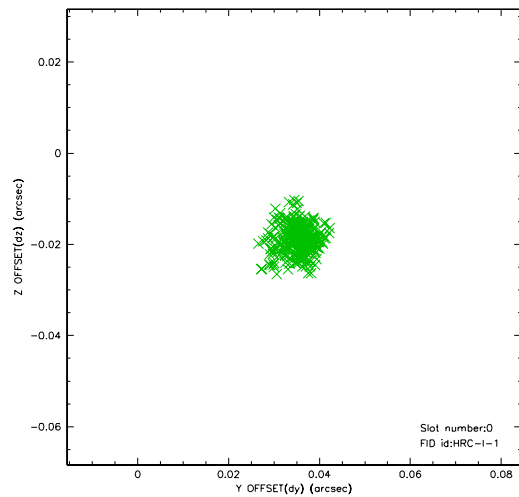


## 2.4.5 Slot 7

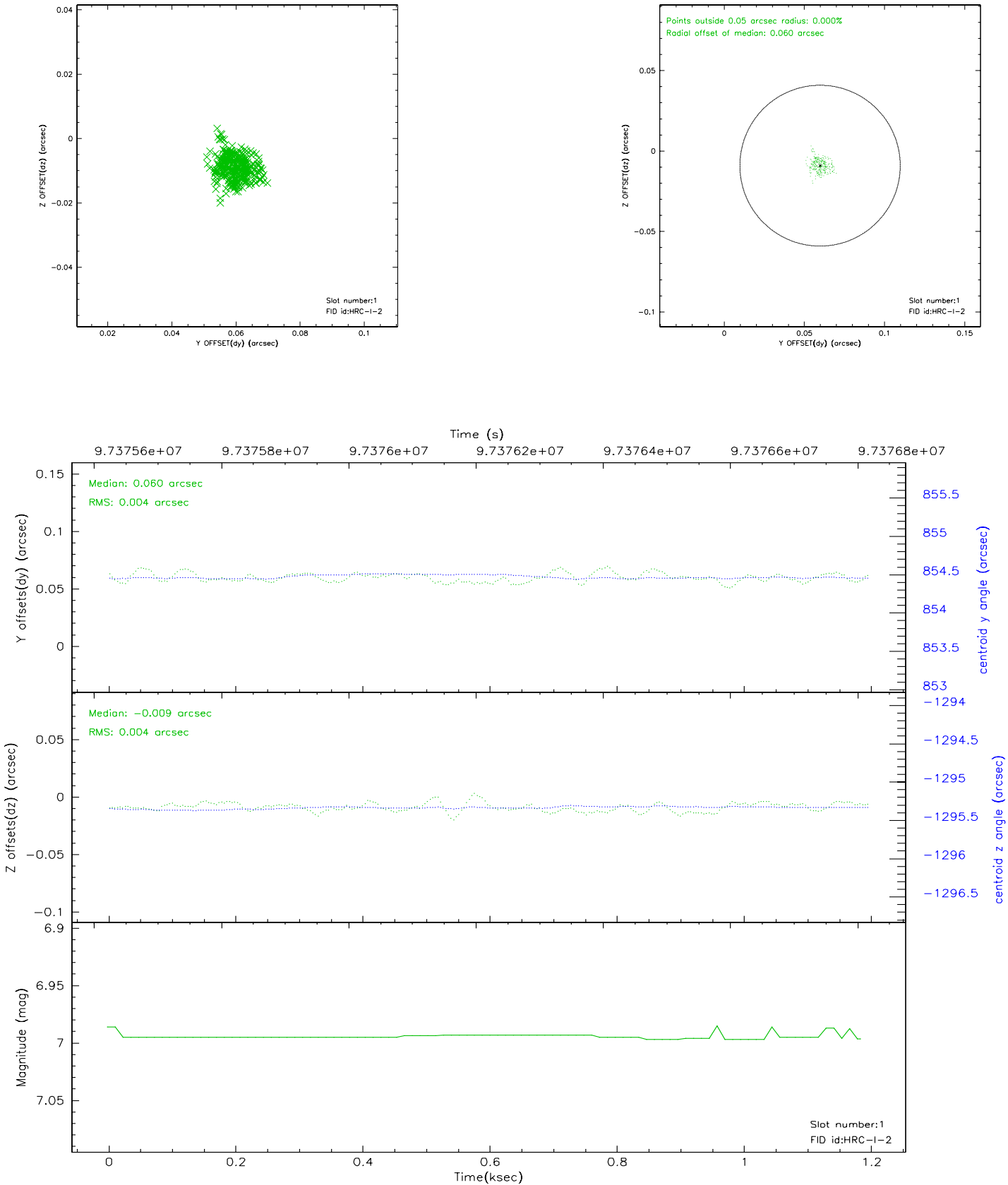


## 2.5 FID Slots

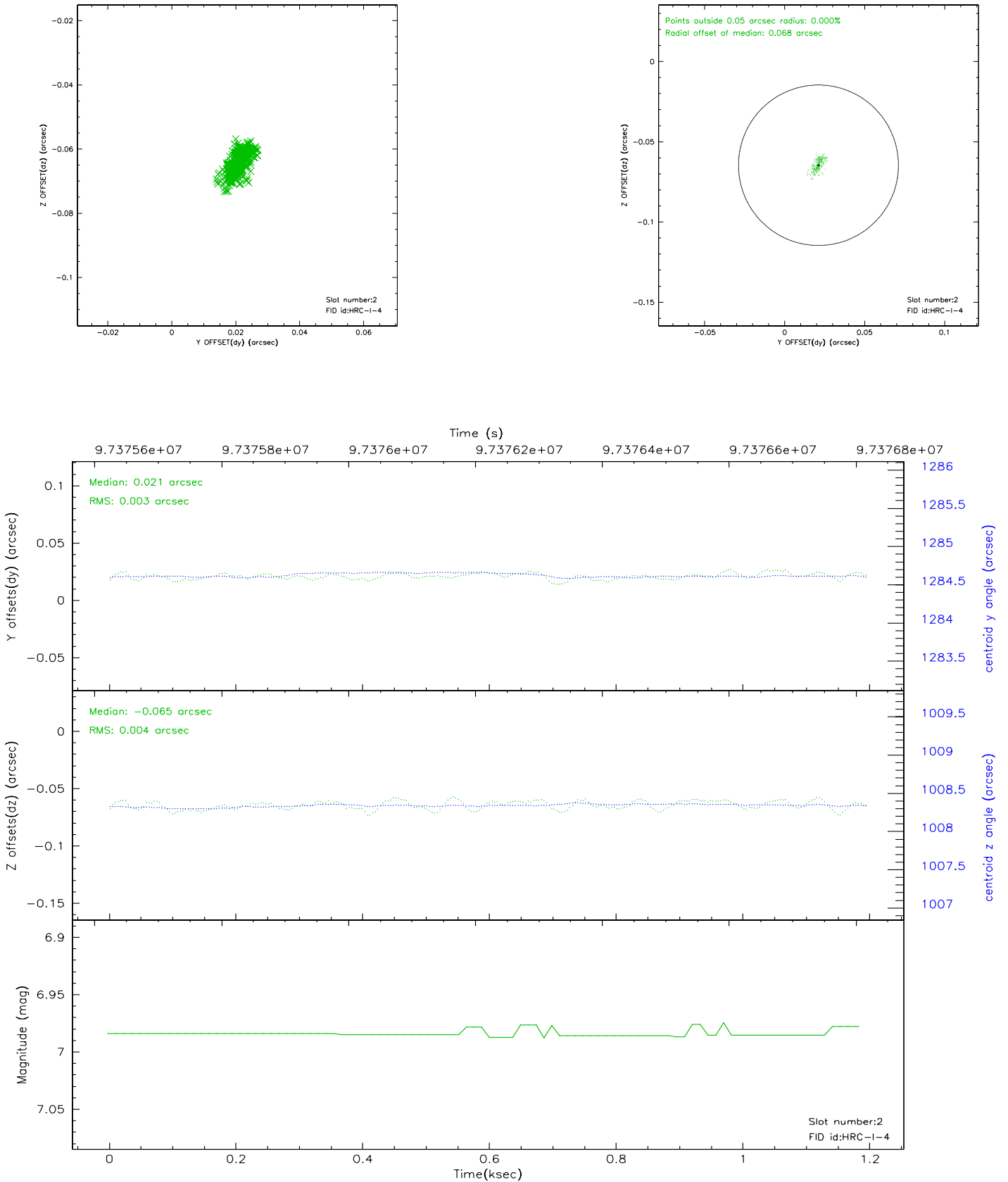
### 2.5.1 Slot 0



2.5.2 Slot 1

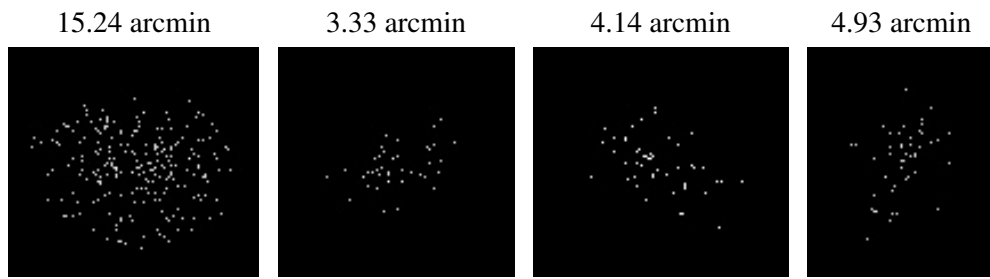


### 2.5.3 Slot 2





### 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.