

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 278 - L2 Version 4  
Chandra X-Ray Center

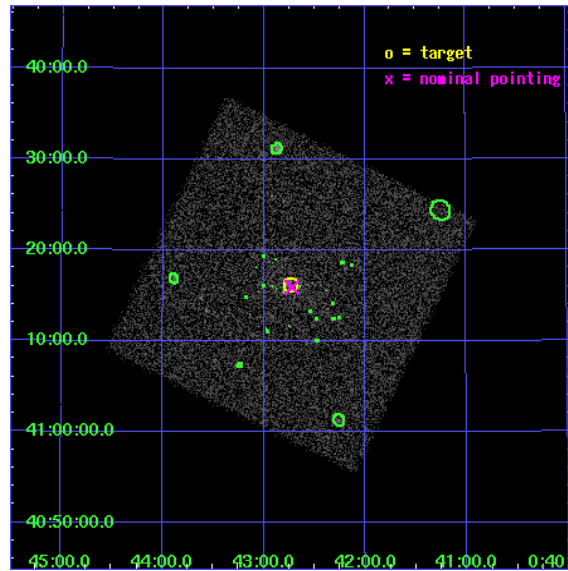
L2 Processing Date : Nov 20 2007

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# 1 Front

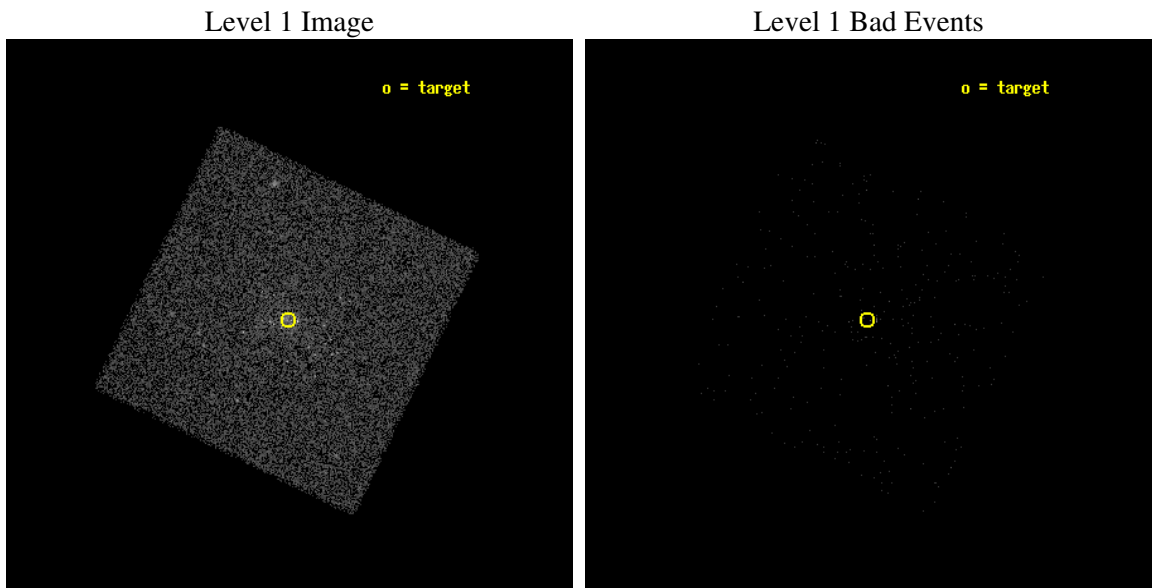
seq_num	600038
obs_id	278
title	MONITORING M31
observer	Dr. Stephen Murray
object	M31 - CENTER
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.680940433591
dec_nom	41.26537377566
roll_nom	250.96296519094
revision	4
ontime	1188.2312953472
livetime	1182.3001490656
l2events	34281



## 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	2007-11-21T03:21:35
revision	4

sched_exp_time	1000.000000
ontime	1188.2312953472
l1events	61815

### 2.1.3 Events

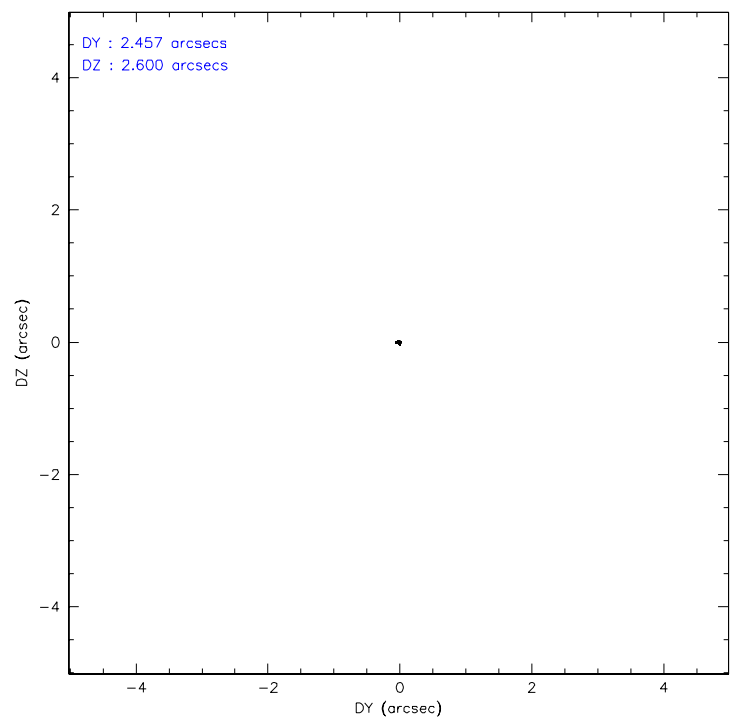
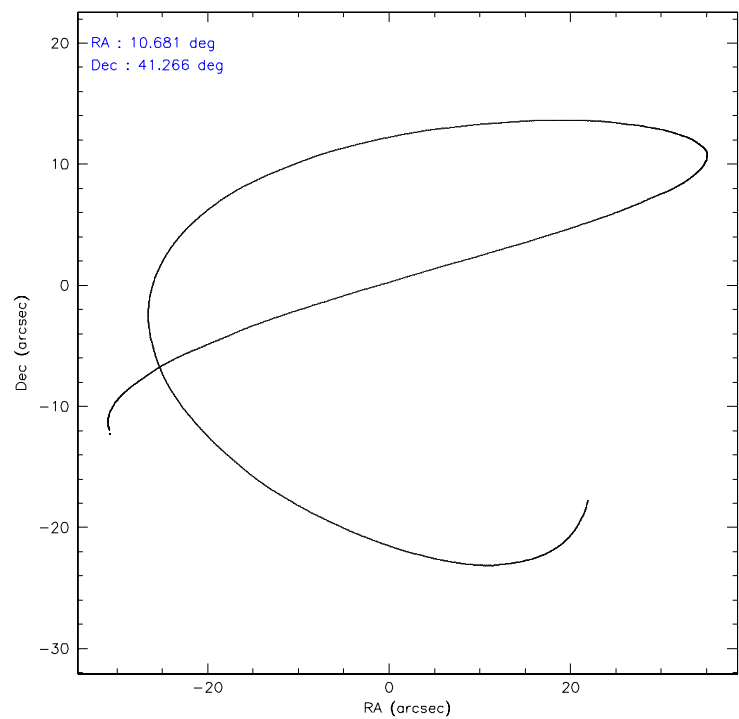
#### Level 1 Events

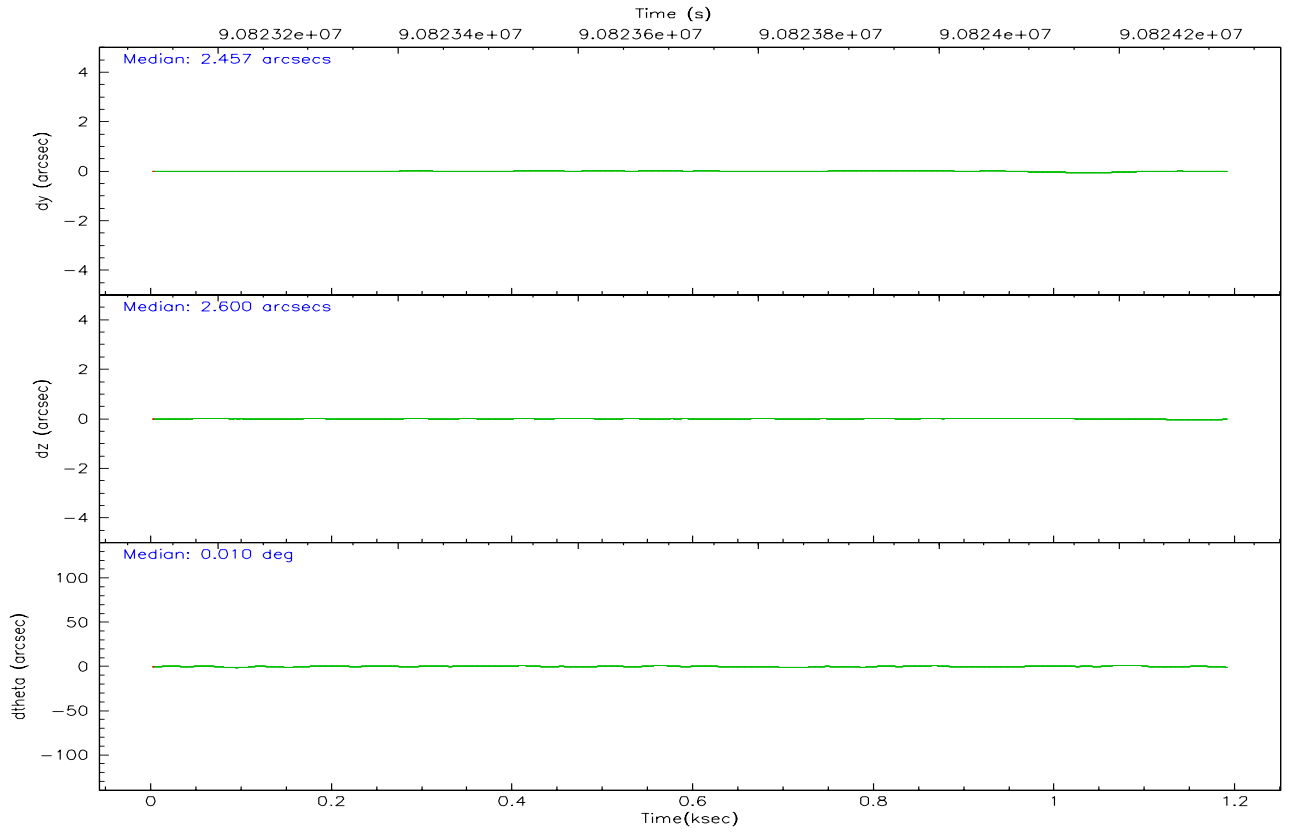
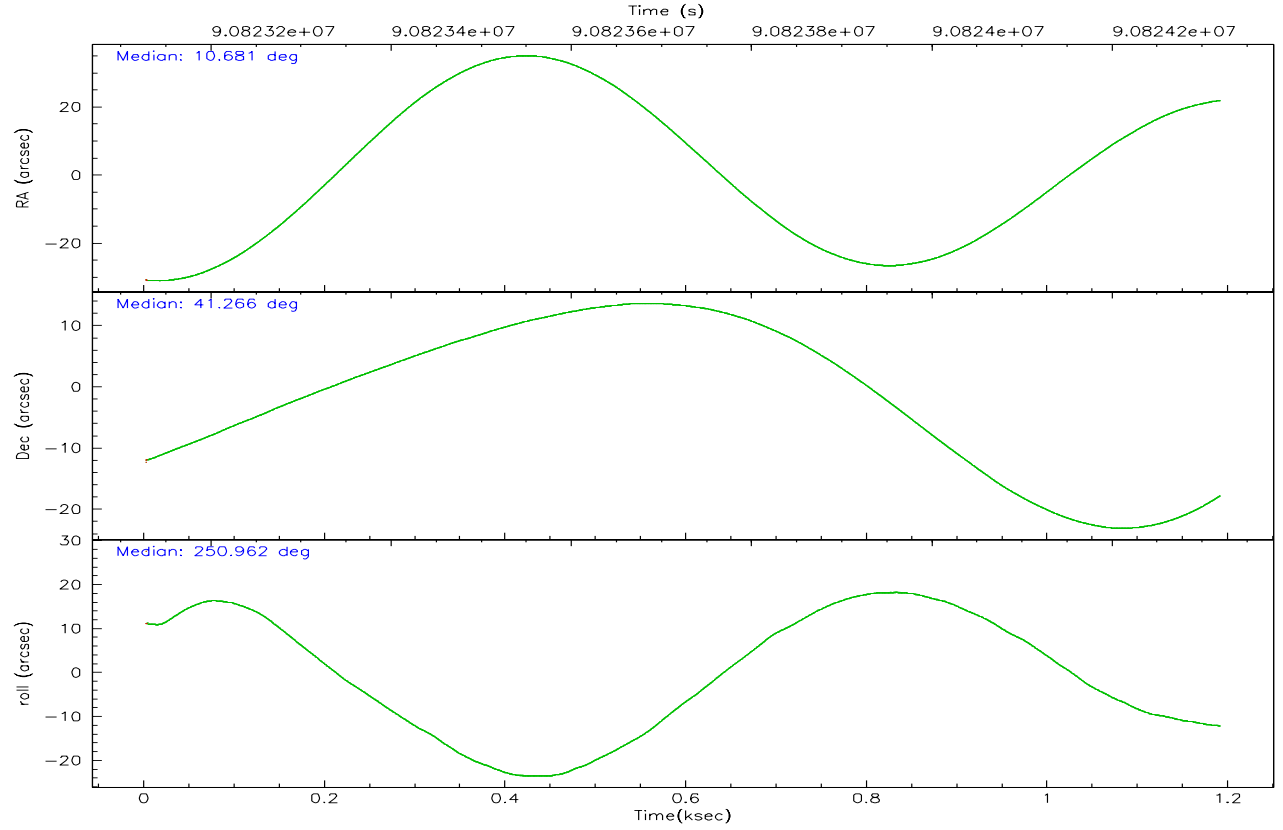
	<b>segment 0</b>
level 1 events	61815
rejected events	12961
rejected %	20%

## 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	10.673637	10.68094043359085			
Pointing Dec	41.292342	41.26537377566009			
Pointing Roll	251.063313	250.9629651909373			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9804656746847			
SIM translation stage offset (mm)	0	0.005023216916882234			
Observation start time	90823320.184000	90822944.315786			
Observation start date	2000-11-17T04:40:56	2000-11-17T04:35:44			
Observation end time	90824320.184000	90824454.65334301			
Observation end date	2000-11-17T04:57:36	2000-11-17T05:00:54			

## 2.3 Aspect





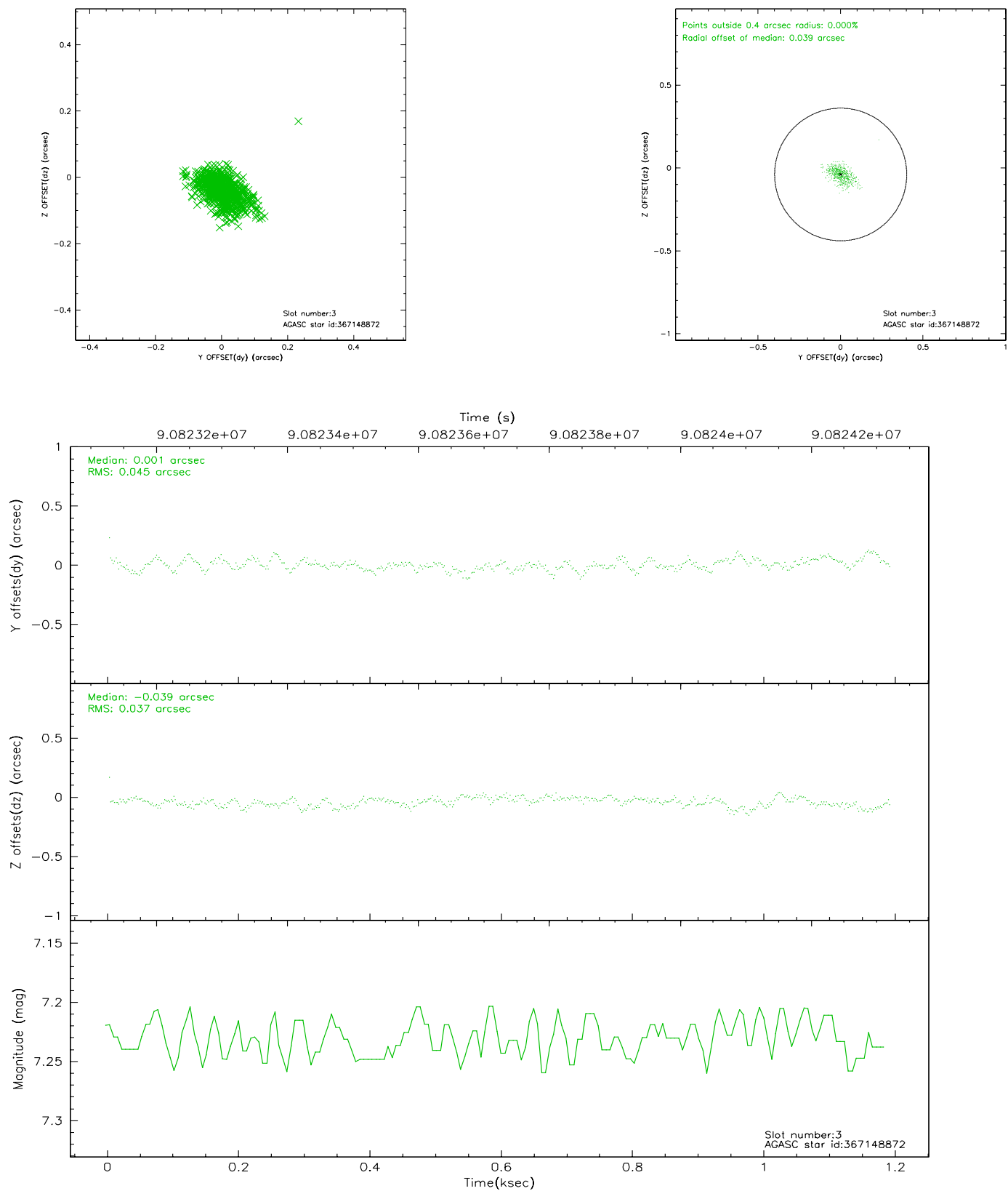
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	291	0.073	0.007	0.006	0.010	0.000000	0.000000	-757.88	-1290.23
1	FID	HRC-I-3	7.05	291	0.010	-0.026	0.006	0.011	0.000000	0.000000	-1188.97	1009.88
2	FID	HRC-I-4	6.99	291	0.031	-0.070	0.005	0.007	0.000000	0.000000	1280.85	1015.27
3	GUIDE	367148872	7.23	581	0.001	-0.039	0.061	0.099	10.505940	40.688258	2204.53	272.68
4	GUIDE	367139768	7.99	581	-0.038	0.033	0.054	0.090	11.069715	40.685175	1717.37	1731.94
5	GUIDE	367674552	8.85	581	0.033	-0.011	0.068	0.116	11.016238	41.570845	-1247.22	549.84
6	GUIDE	367146616	8.87	580	0.006	0.006	0.077	0.121	11.418645	41.190163	-318.14	2026.65
7	GUIDE	367671800	9.41	580	0.002	0.008	0.091	0.139	10.554735	41.964935	-2188.40	-1083.41

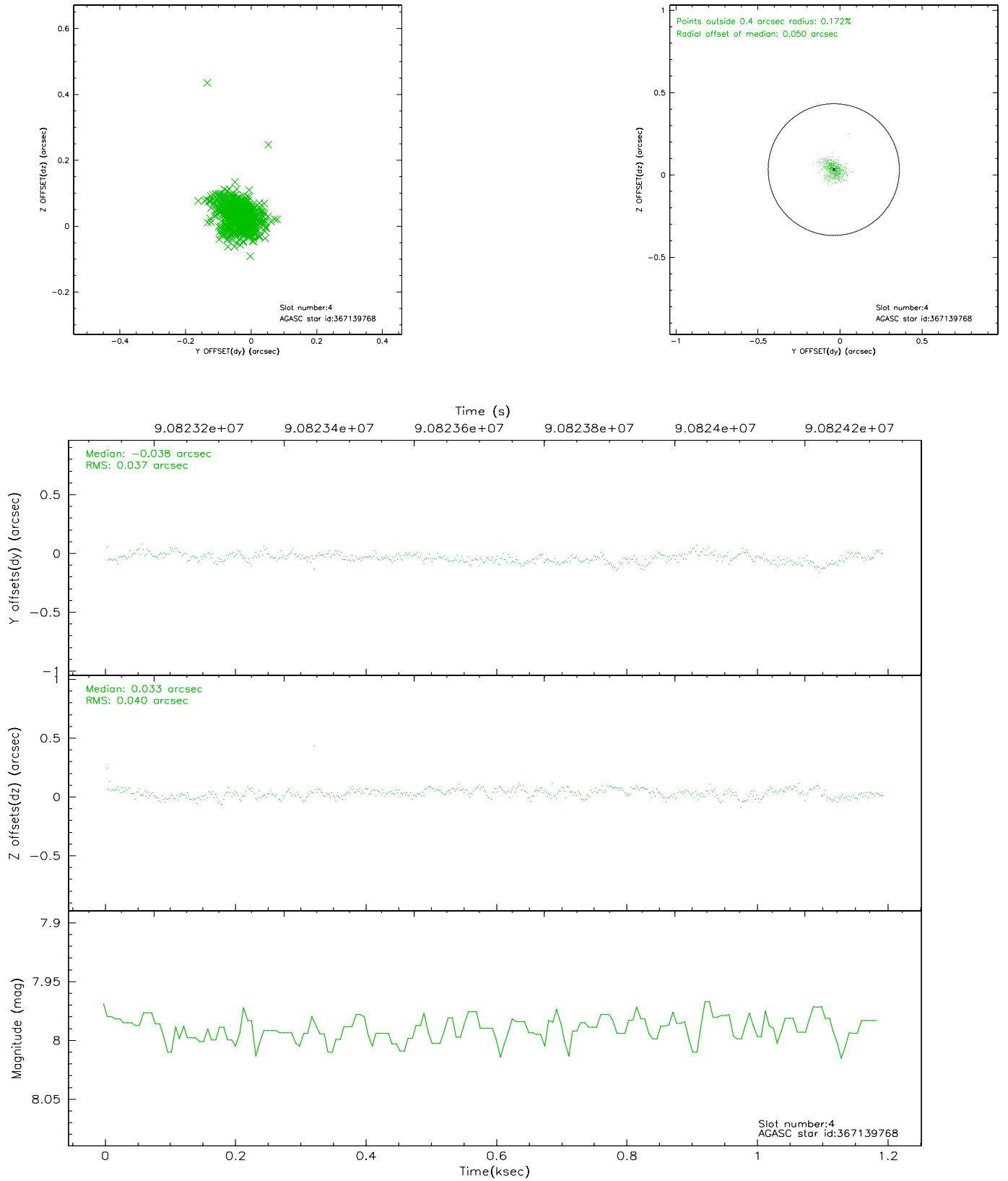


## 2.4 Star Slots

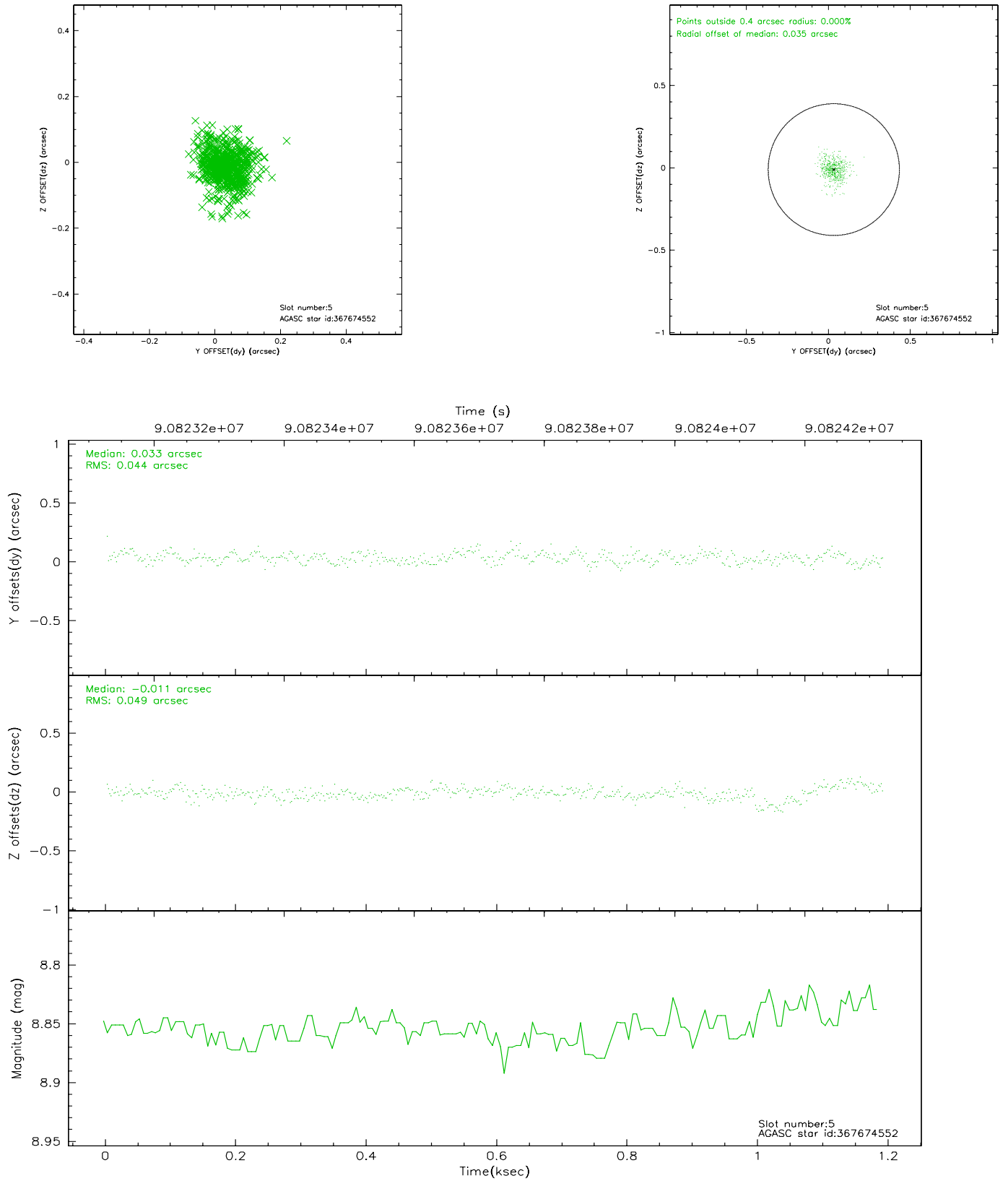
### 2.4.1 Slot 3



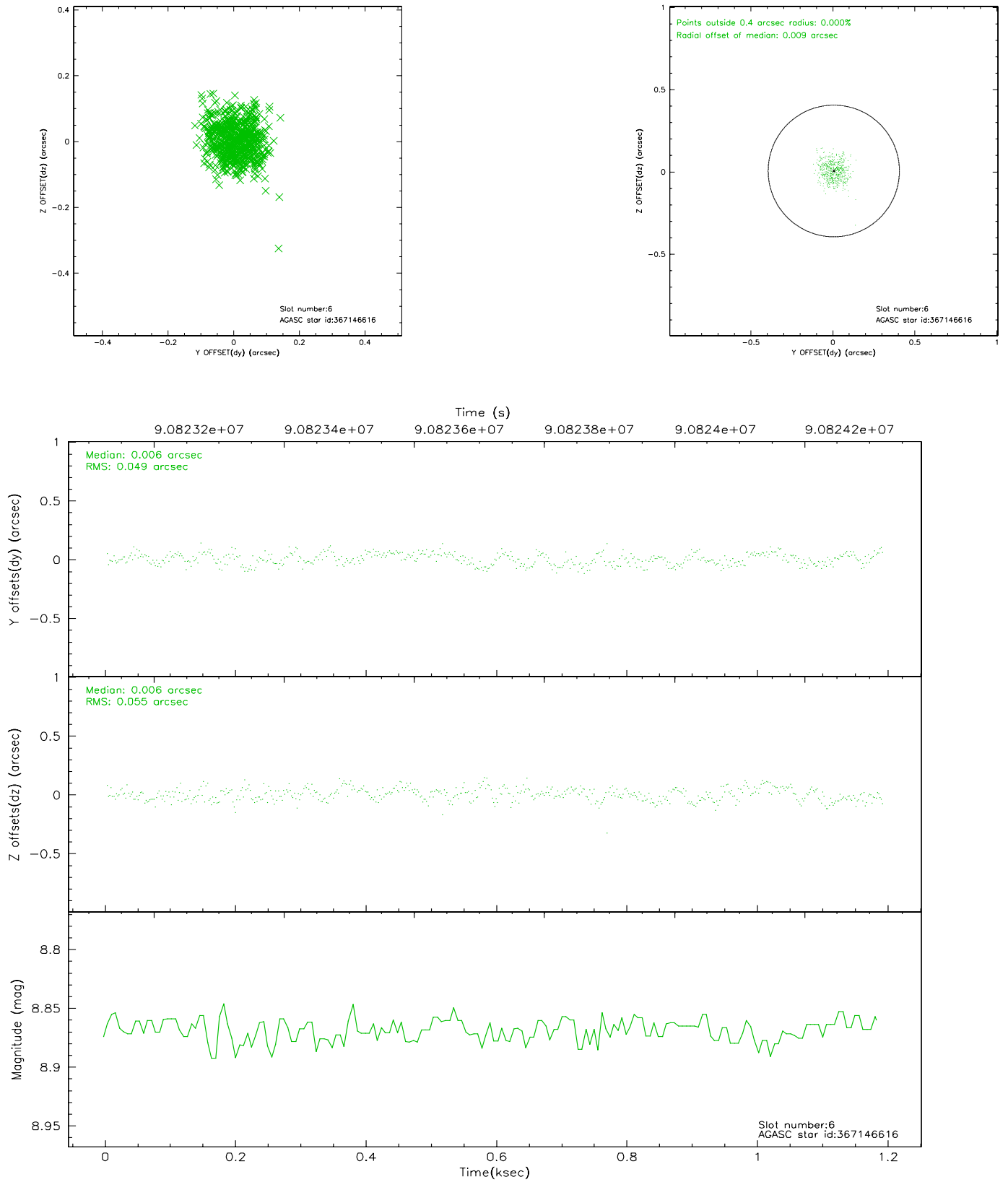
## 2.4.2 Slot 4



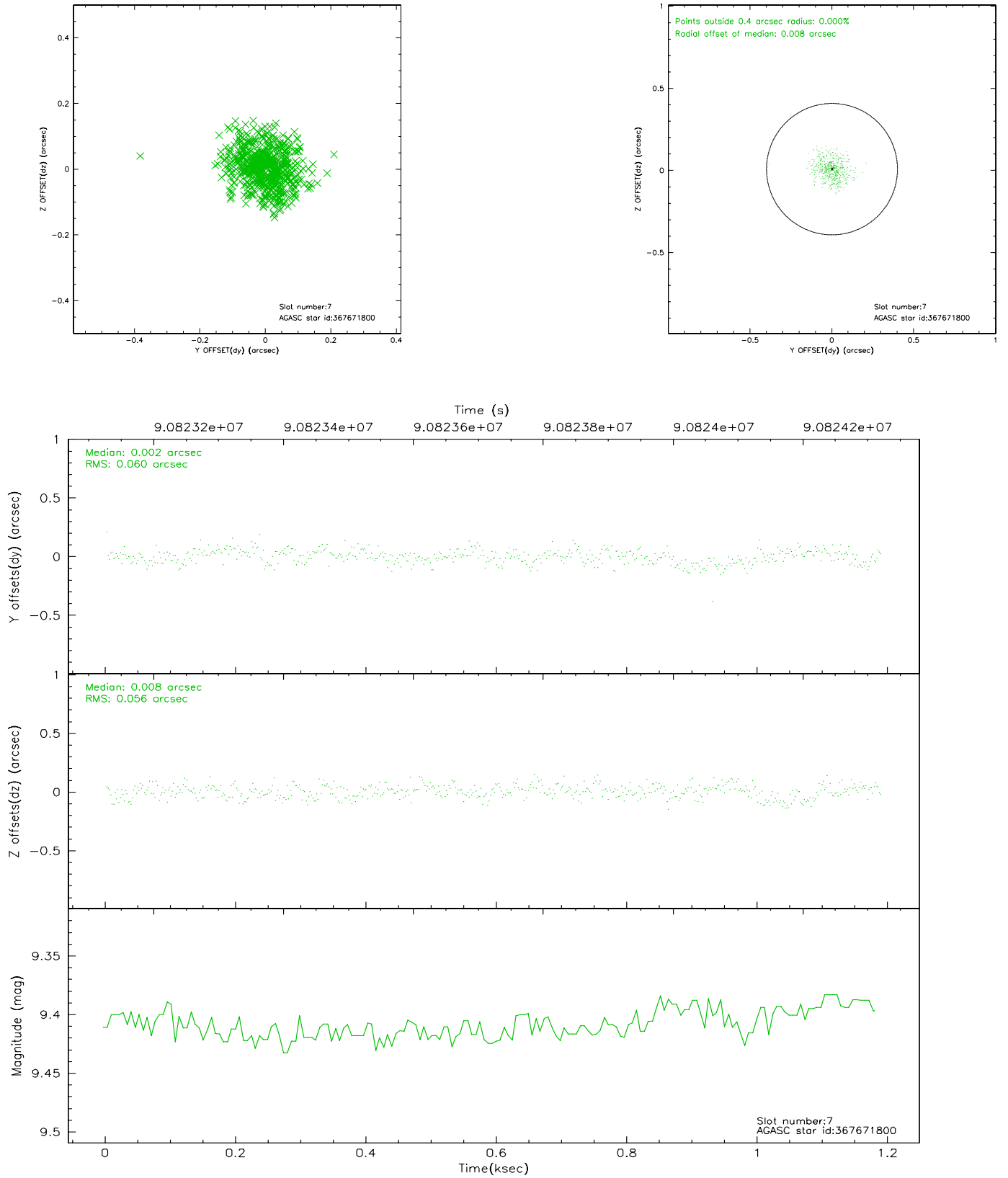
### 2.4.3 Slot 5



## 2.4.4 Slot 6

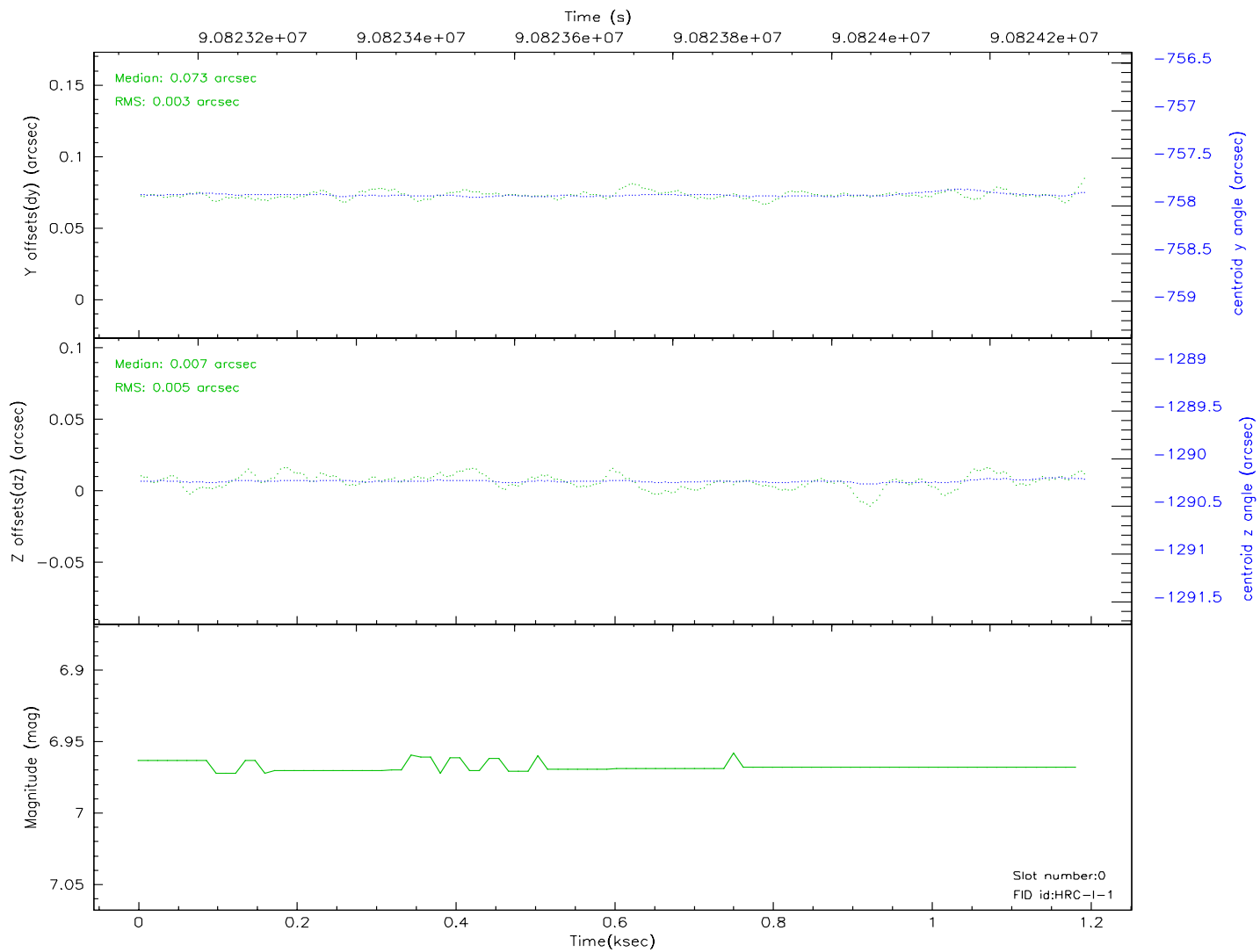
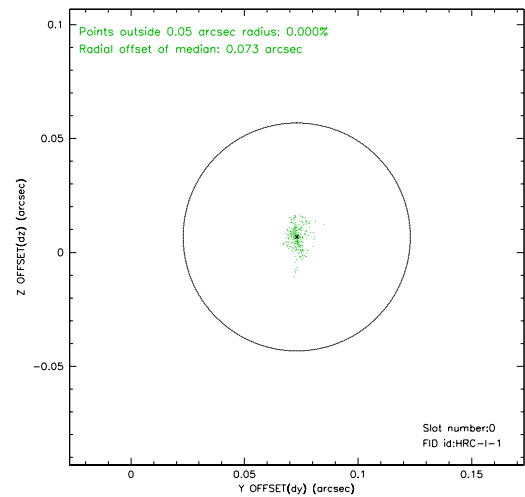
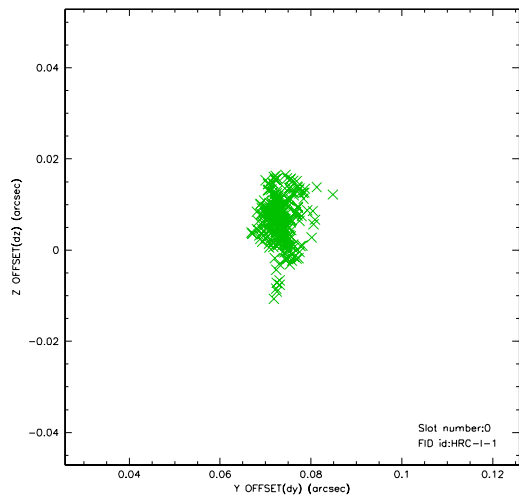


## 2.4.5 Slot 7

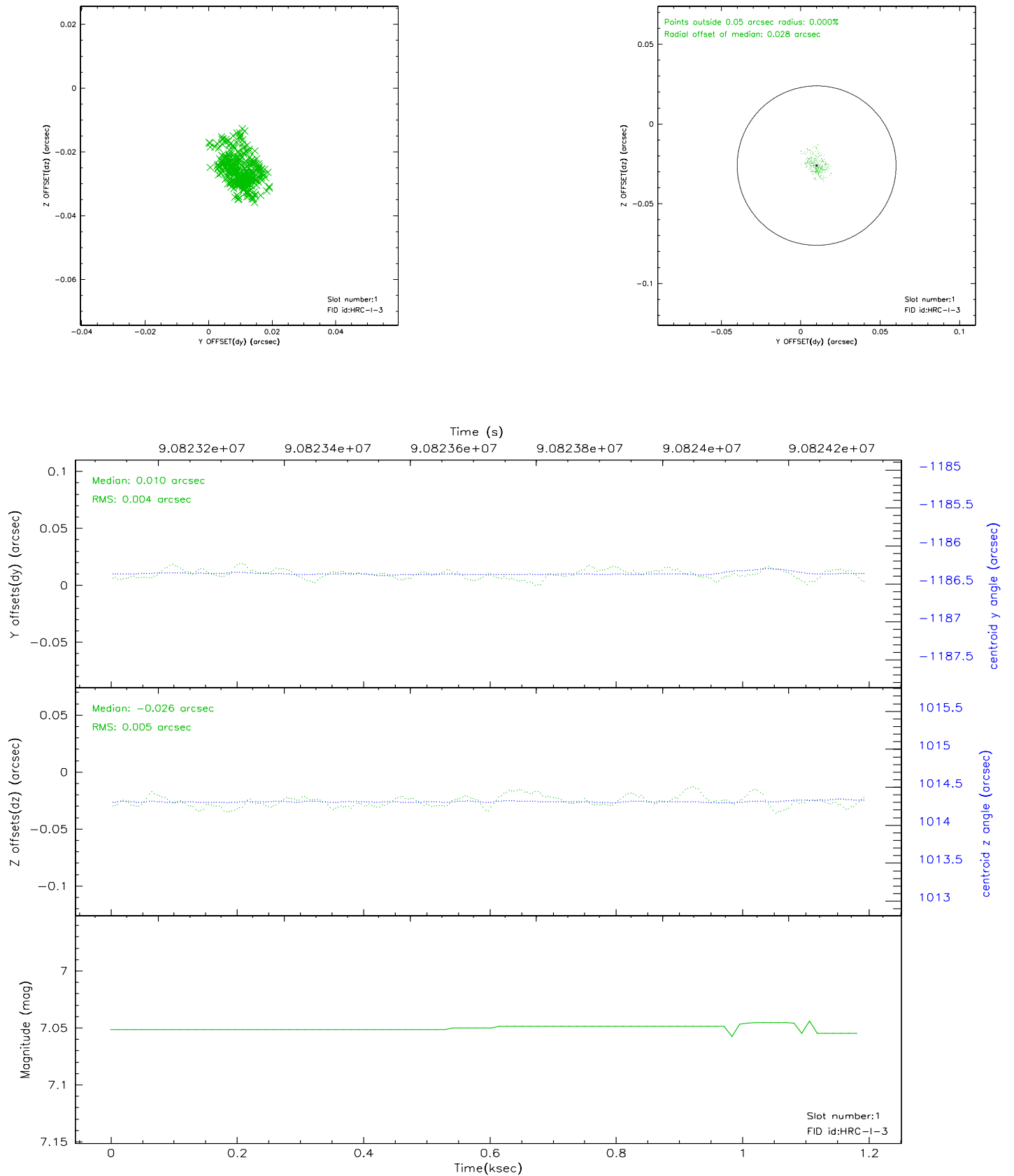


## 2.5 FID Slots

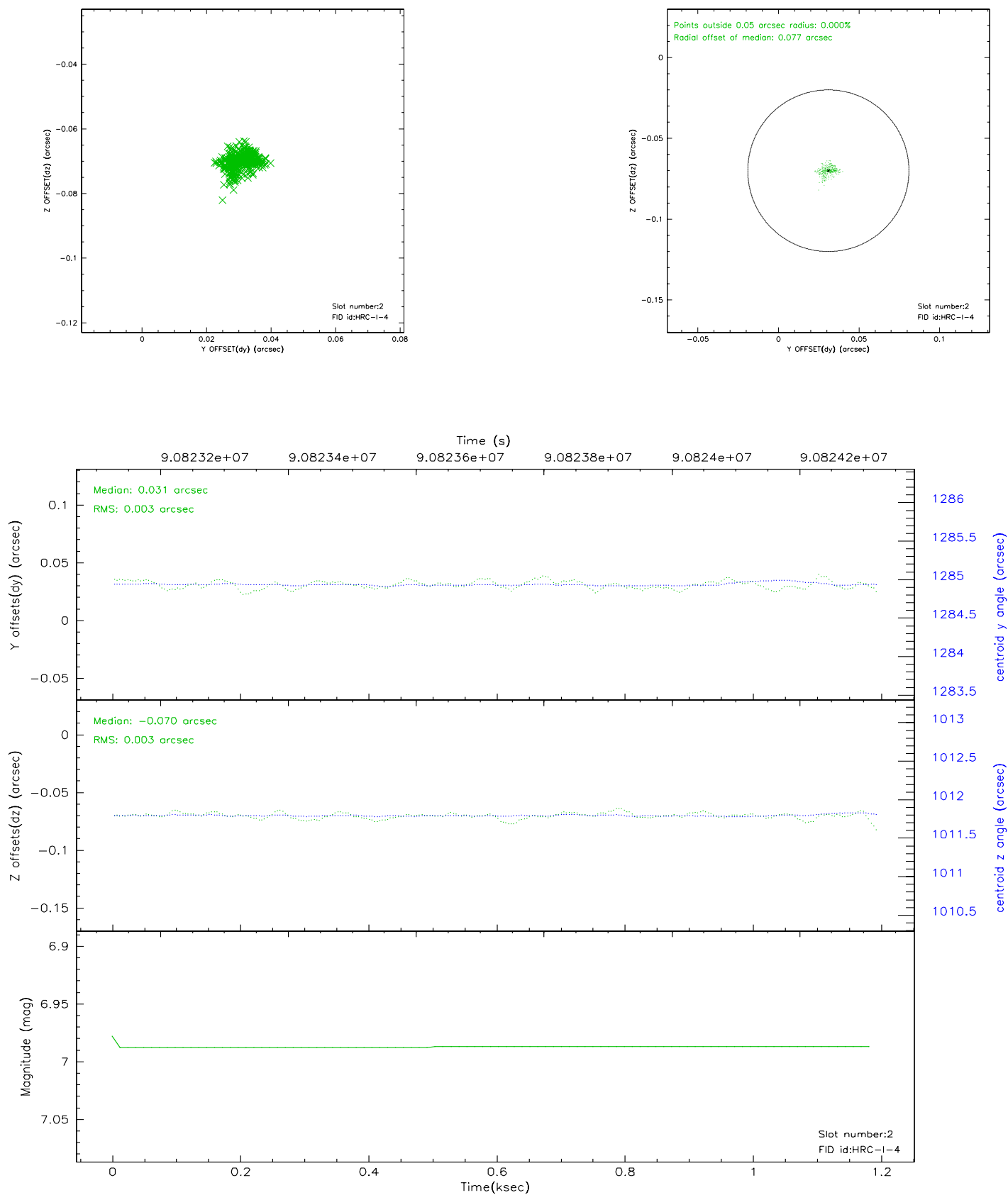
### 2.5.1 Slot 0



## 2.5.2 Slot 1

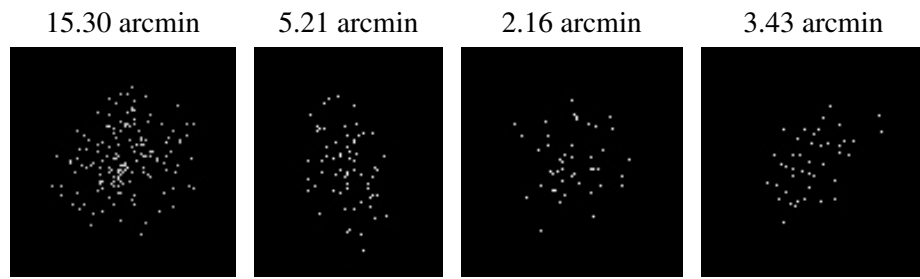


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188

## A.2 Comments

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.