

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1574 - L2 Version 3  
Chandra X-Ray Center

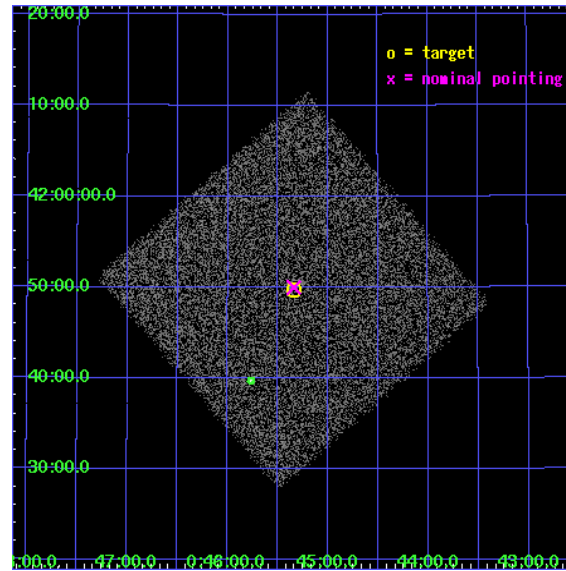
L2 Processing Date : Nov 20 2007

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# 1 Front

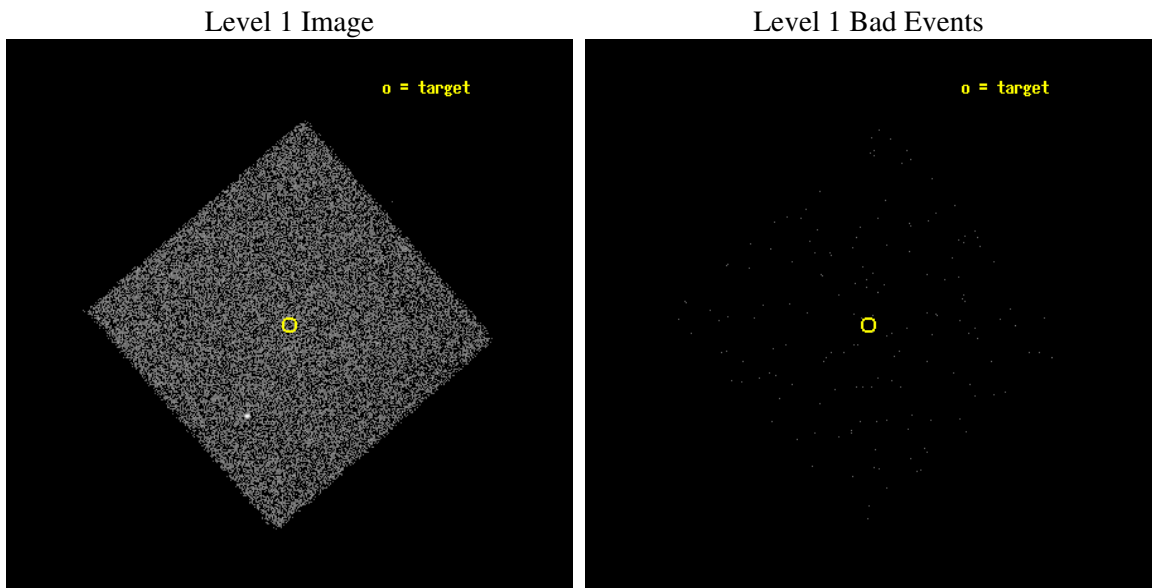
seq_num	600131
obs_id	1574
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - NORTH 2
ra_targ	11.333333
dec_targ	41.829722
ra_nom	11.334878107571
dec_nom	41.833286684187
roll_nom	93.97243720757
revision	3
ontime	1200.2750467807
livetime	1194.349872967
l2events	29509



## 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	2007-11-20T14:57:03
revision	3

sched_exp_time	1000.000000
ontime	1200.2750467807
l1events	55155

### 2.1.3 Events

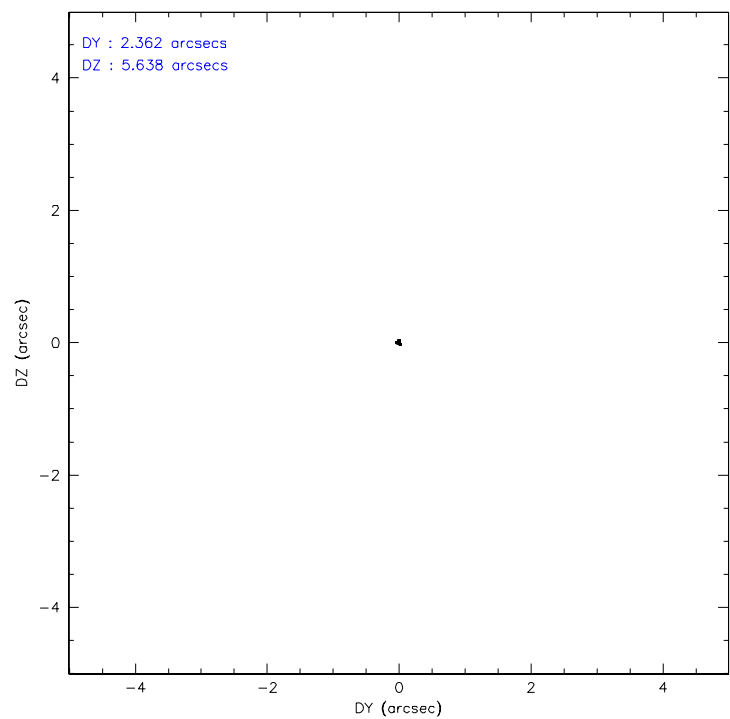
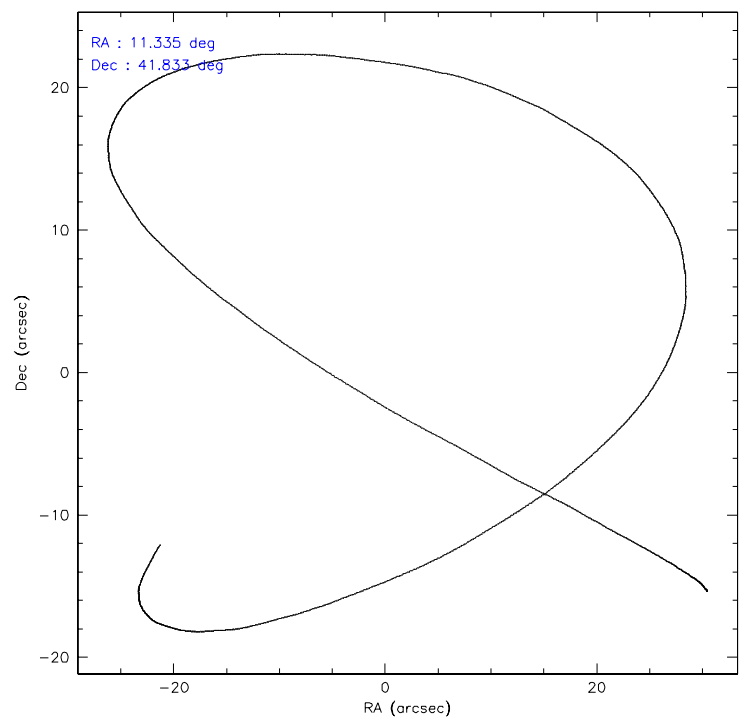
#### Level 1 Events

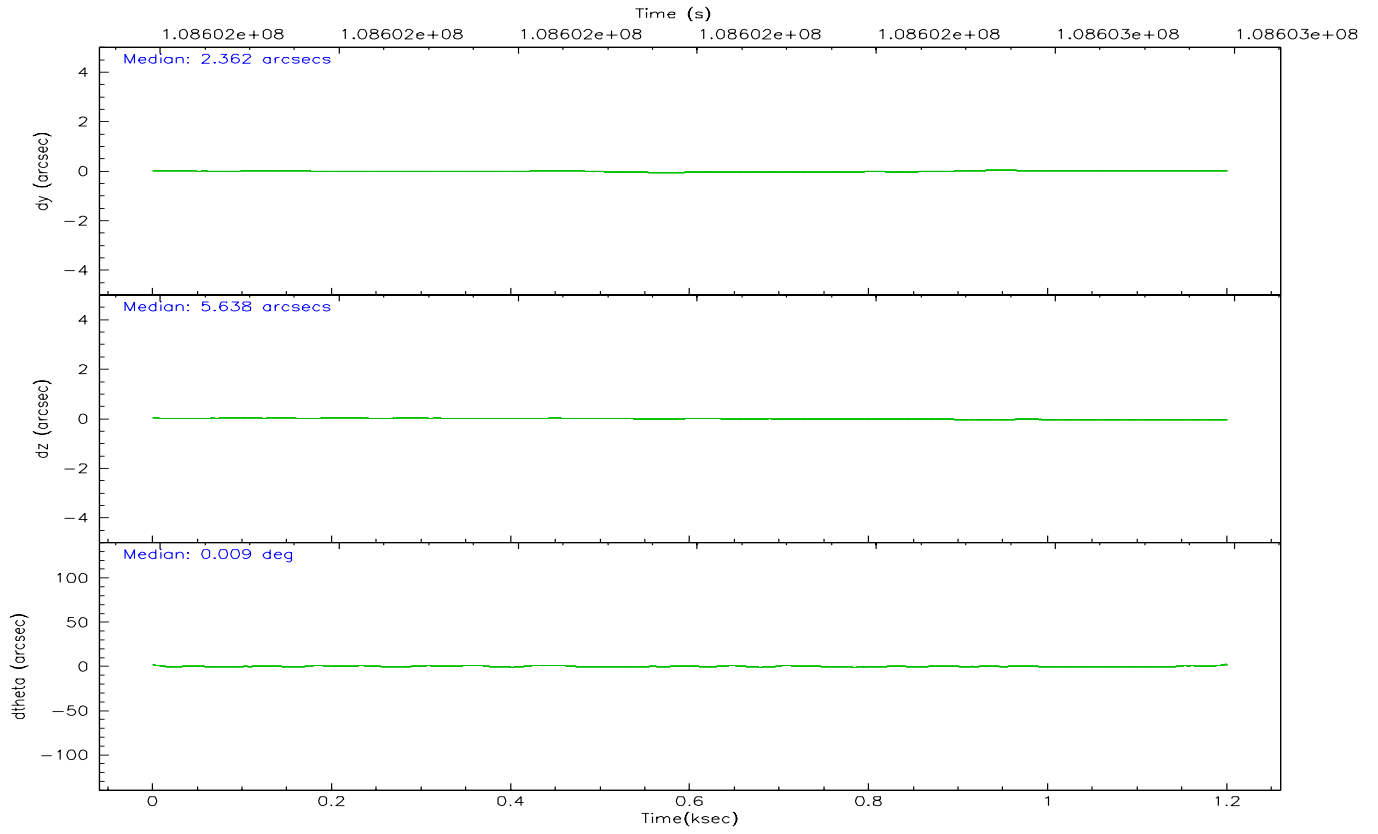
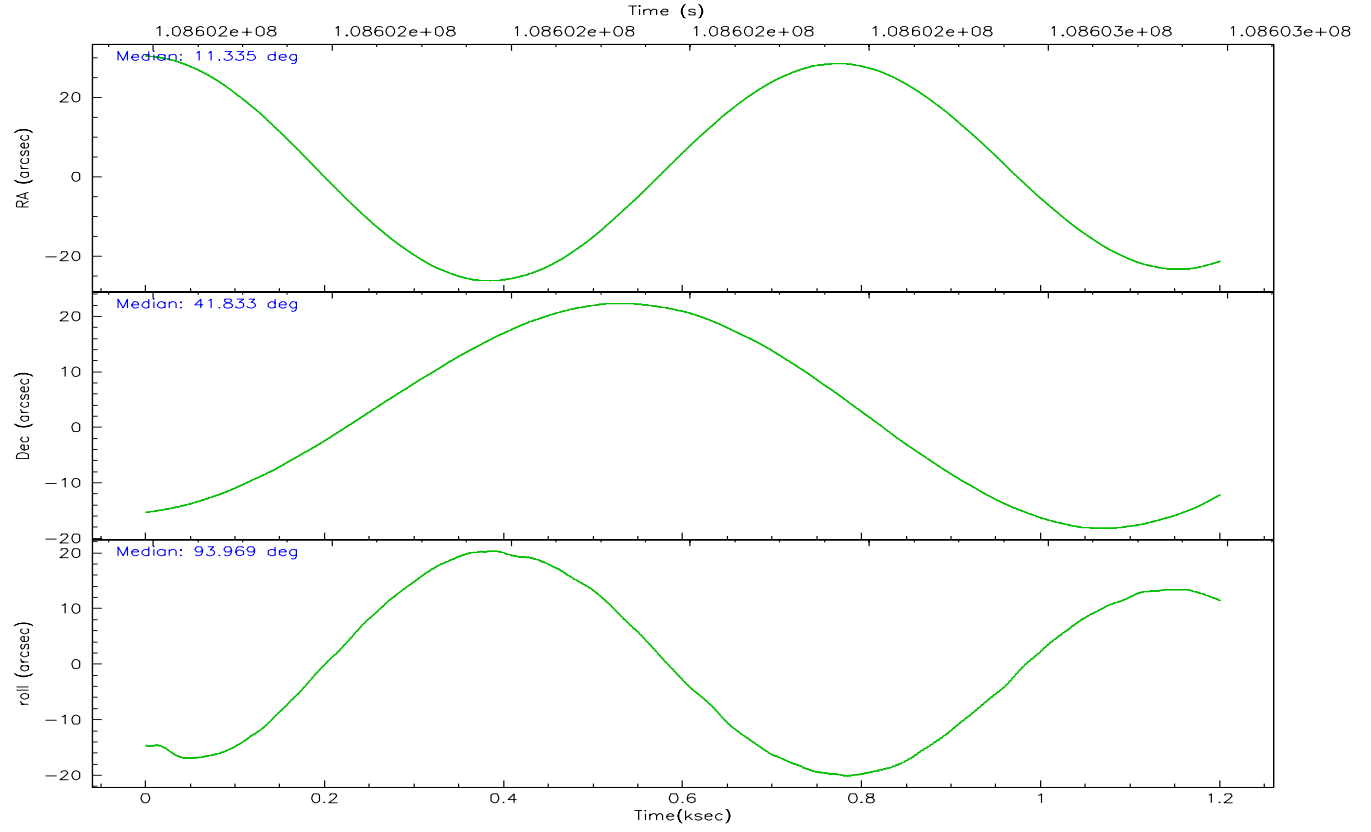
	<b>segment 0</b>
level 1 events	55155
rejected events	10820
rejected %	19%

## 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	11.356141	11.33487810757125			
Pointing Dec	41.811557	41.83328668418683			
Pointing Roll	94.053722	93.97243720757041			
Window start time	108172864.184000	108172864.184000			
Window stop time	108691264.184000	108691264.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	108601776.184000	108601400.36413			
Observation start date	2001-06-10T23:08:32	2001-06-10T23:03:20			
Observation end time	108602776.184000	108603661.00172			
Observation end date	2001-06-10T23:25:12	2001-06-10T23:41:01			

## 2.3 Aspect





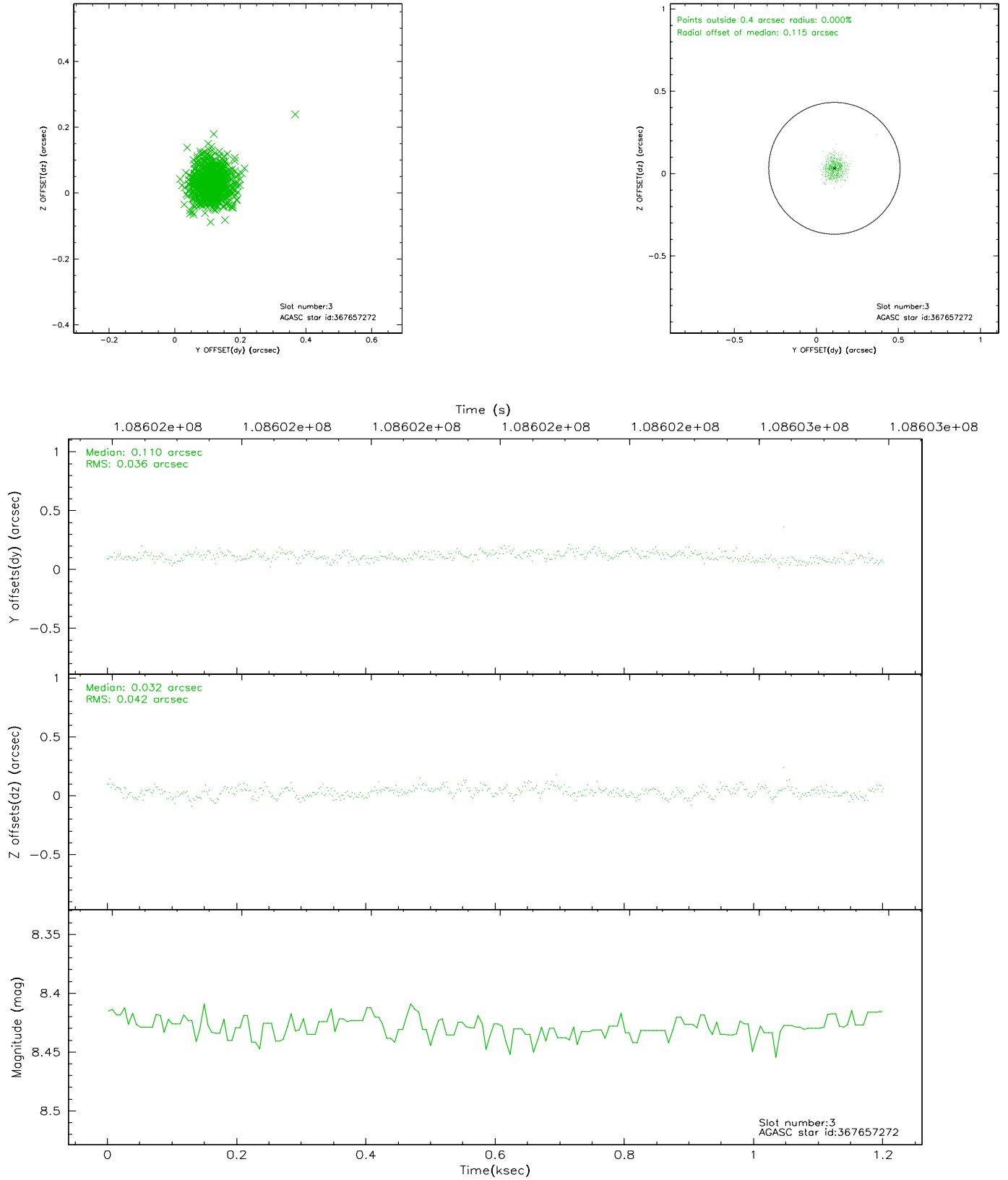
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	293	0.025	0.031	0.006	0.011	0.000000	0.000000	-757.79	-1293.41
1	FID	HRC-I-3	7.07	293	0.032	-0.091	0.006	0.011	0.000000	0.000000	-1188.85	1006.62
2	FID	HRC-I-4	7.01	293	0.057	-0.030	0.005	0.009	0.000000	0.000000	1280.98	1012.13
3	GUIDE	367657272	8.43	587	0.110	0.032	0.059	0.093	11.834471	41.298907	-1926.83	-1160.30
4	GUIDE	367667384	8.66	587	0.027	0.167	0.080	0.132	12.077552	41.596878	-901.45	-1885.05
5	GUIDE	367665384	8.80	587	-0.198	-0.238	0.073	0.119	10.414363	42.275730	1857.95	2380.00
6	GUIDE	367657368	8.64	582	0.088	0.115	0.059	0.101	11.928227	41.287266	-1981.93	-1406.60
7	GUIDE	367674552	8.85	586	-0.032	-0.097	0.066	0.108	11.016238	41.570845	-799.58	971.84

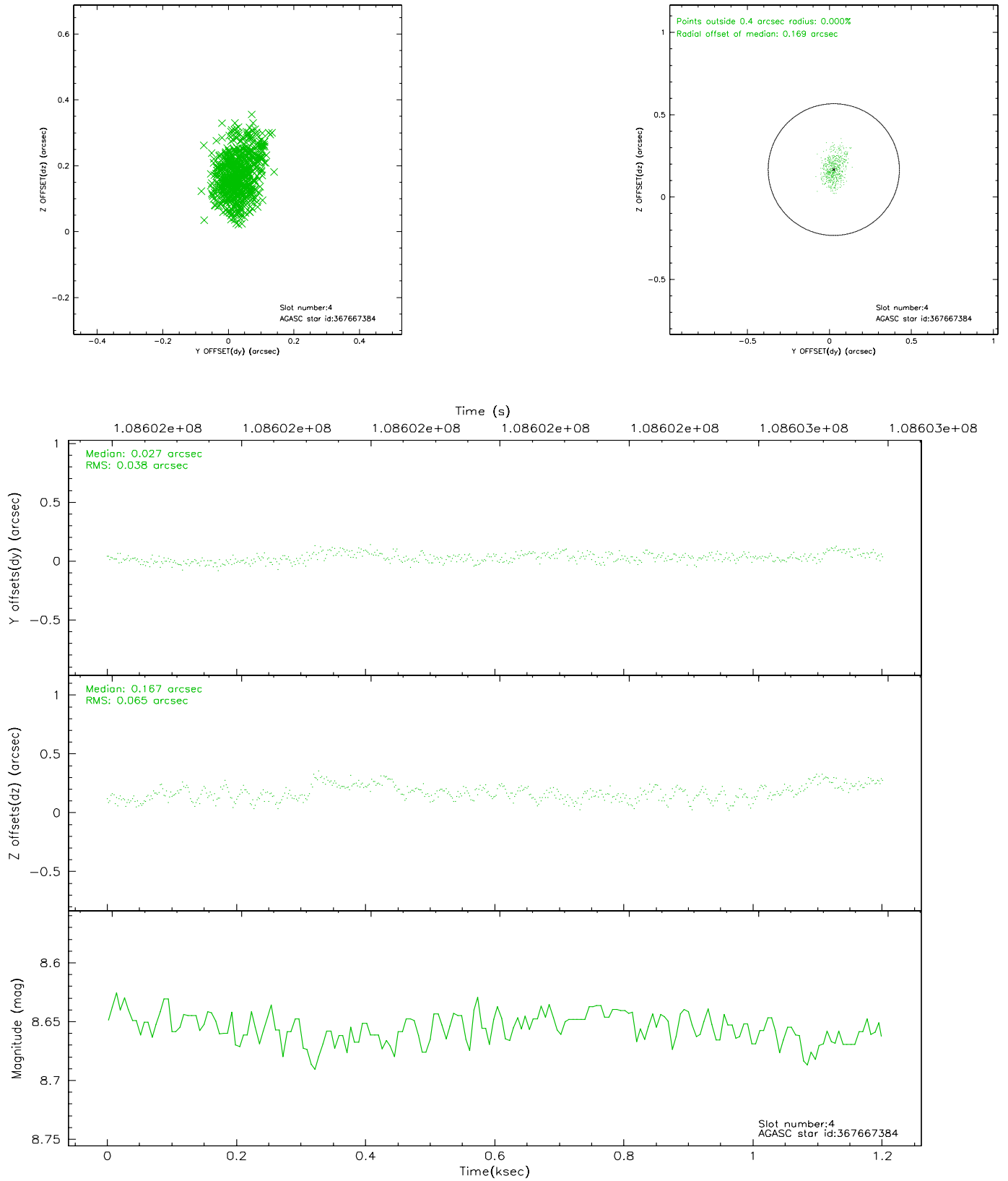


## 2.4 Star Slots

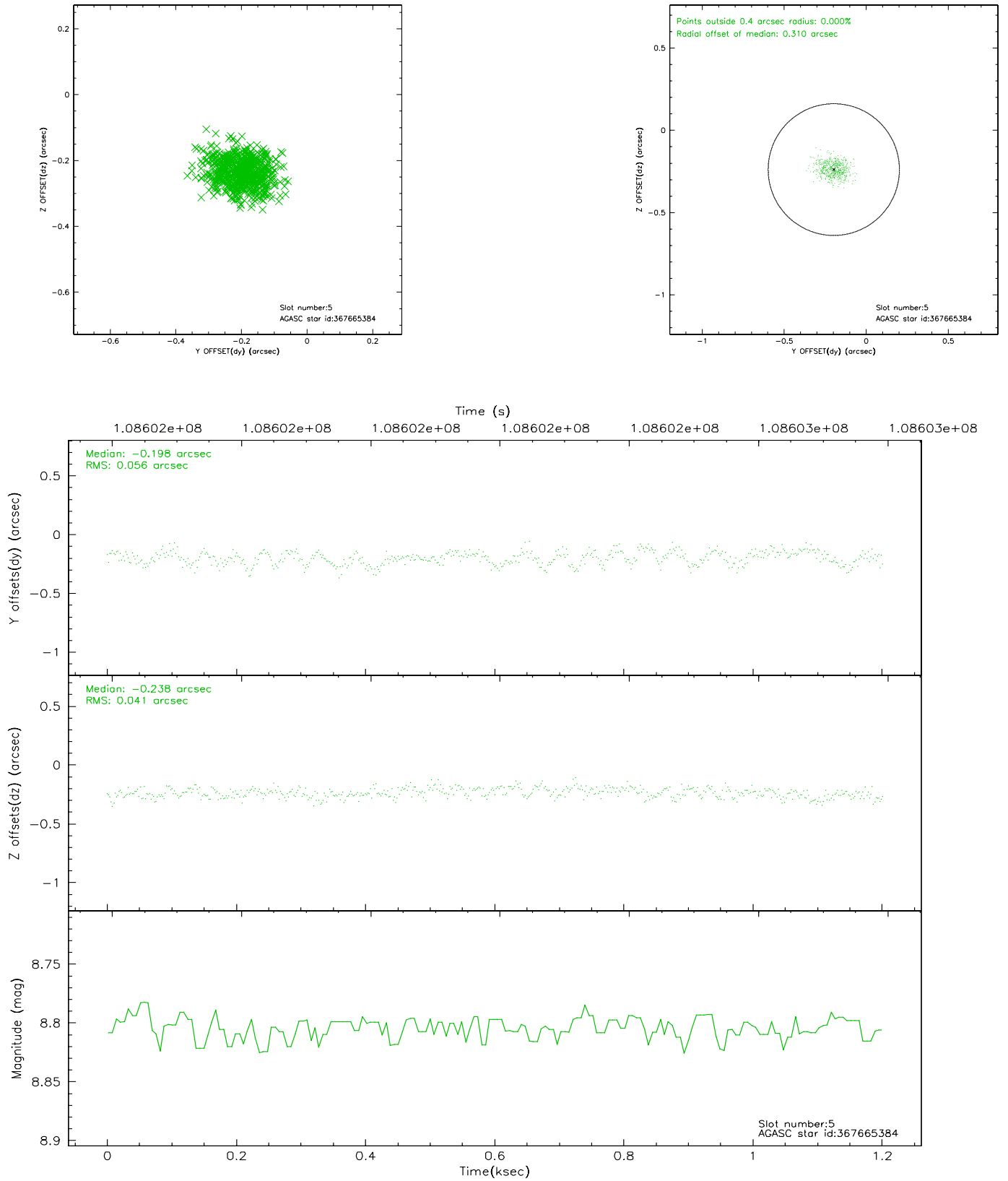
### 2.4.1 Slot 3



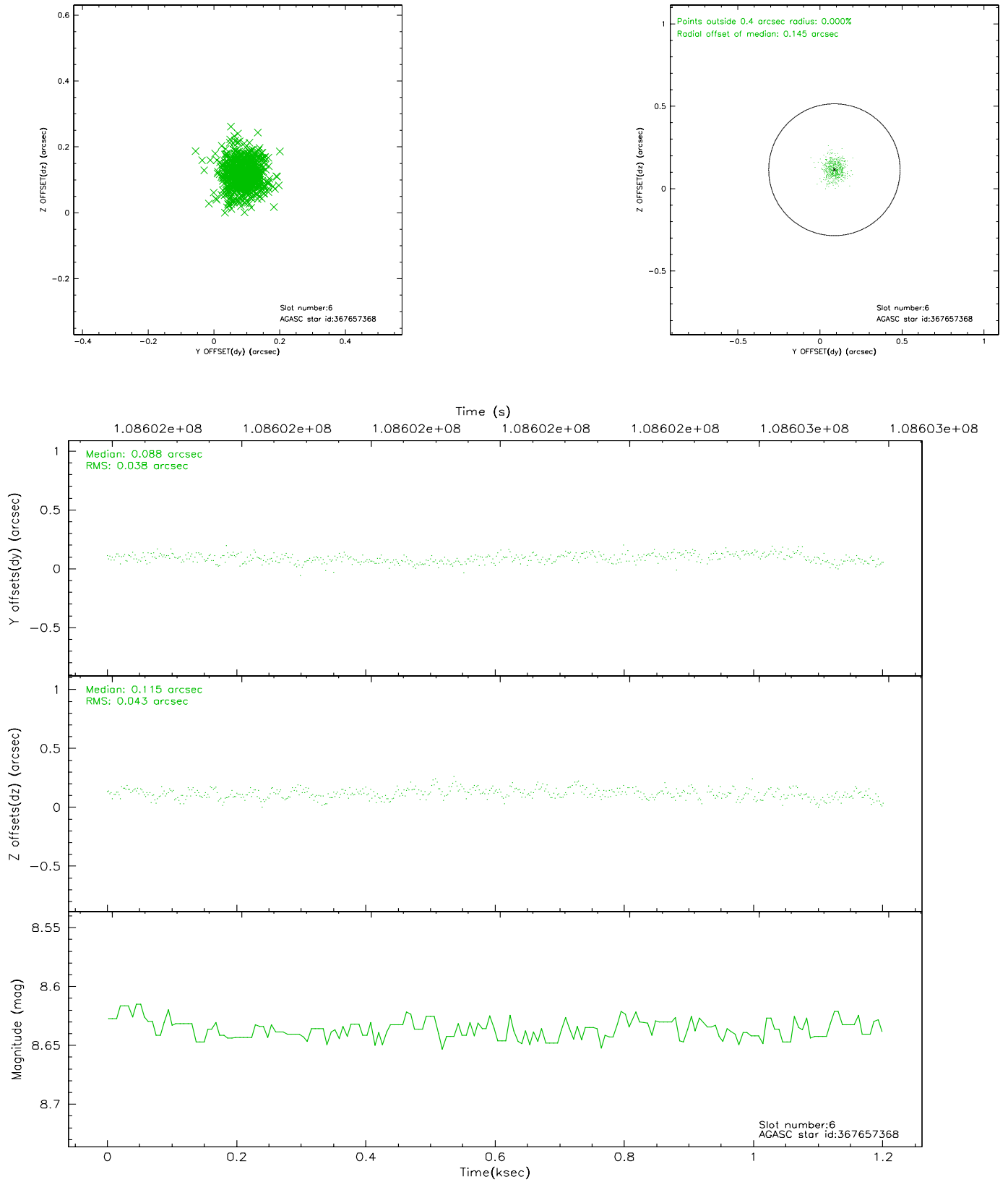
## 2.4.2 Slot 4



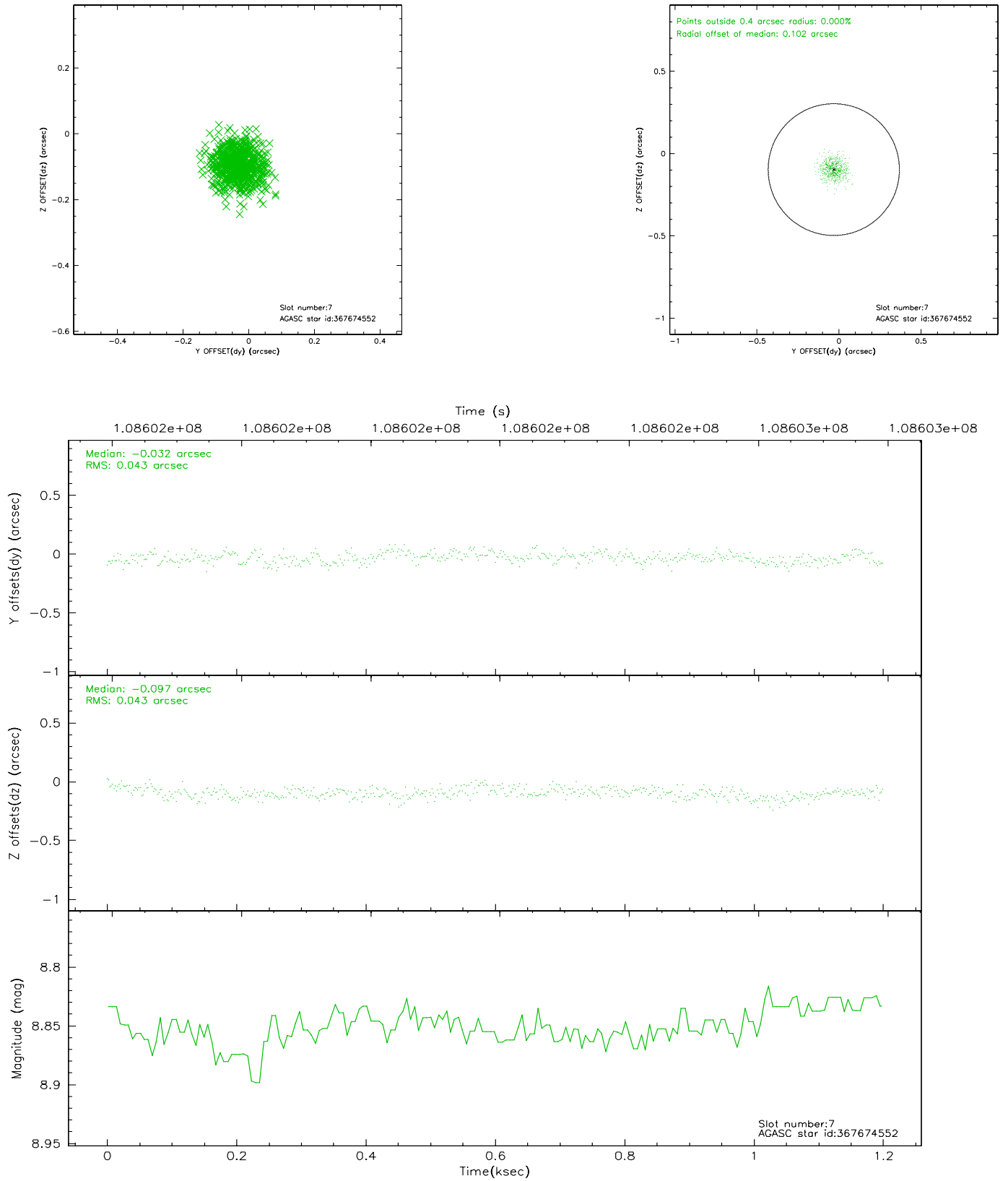
### 2.4.3 Slot 5



## 2.4.4 Slot 6

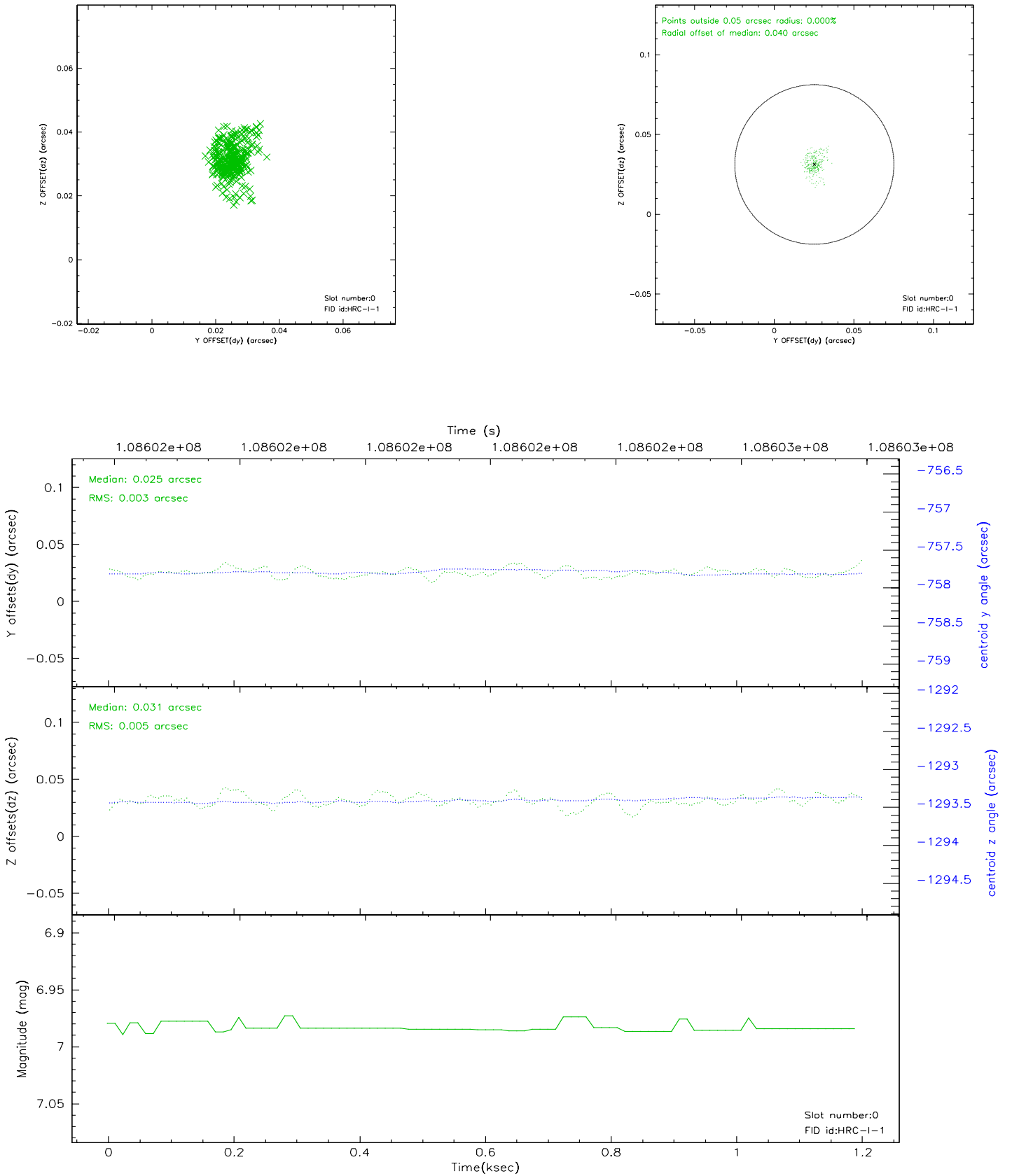


## 2.4.5 Slot 7

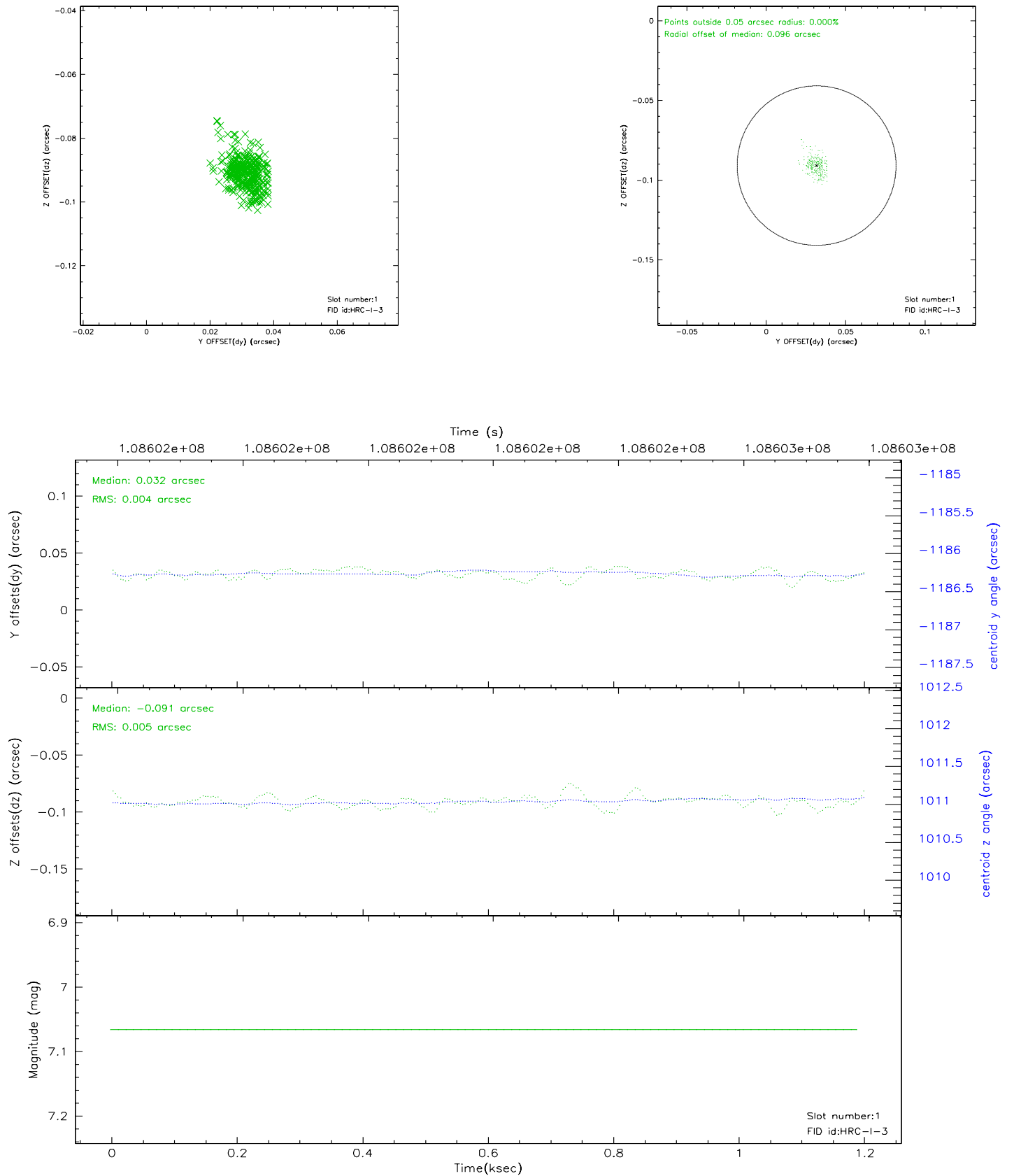


## 2.5 FID Slots

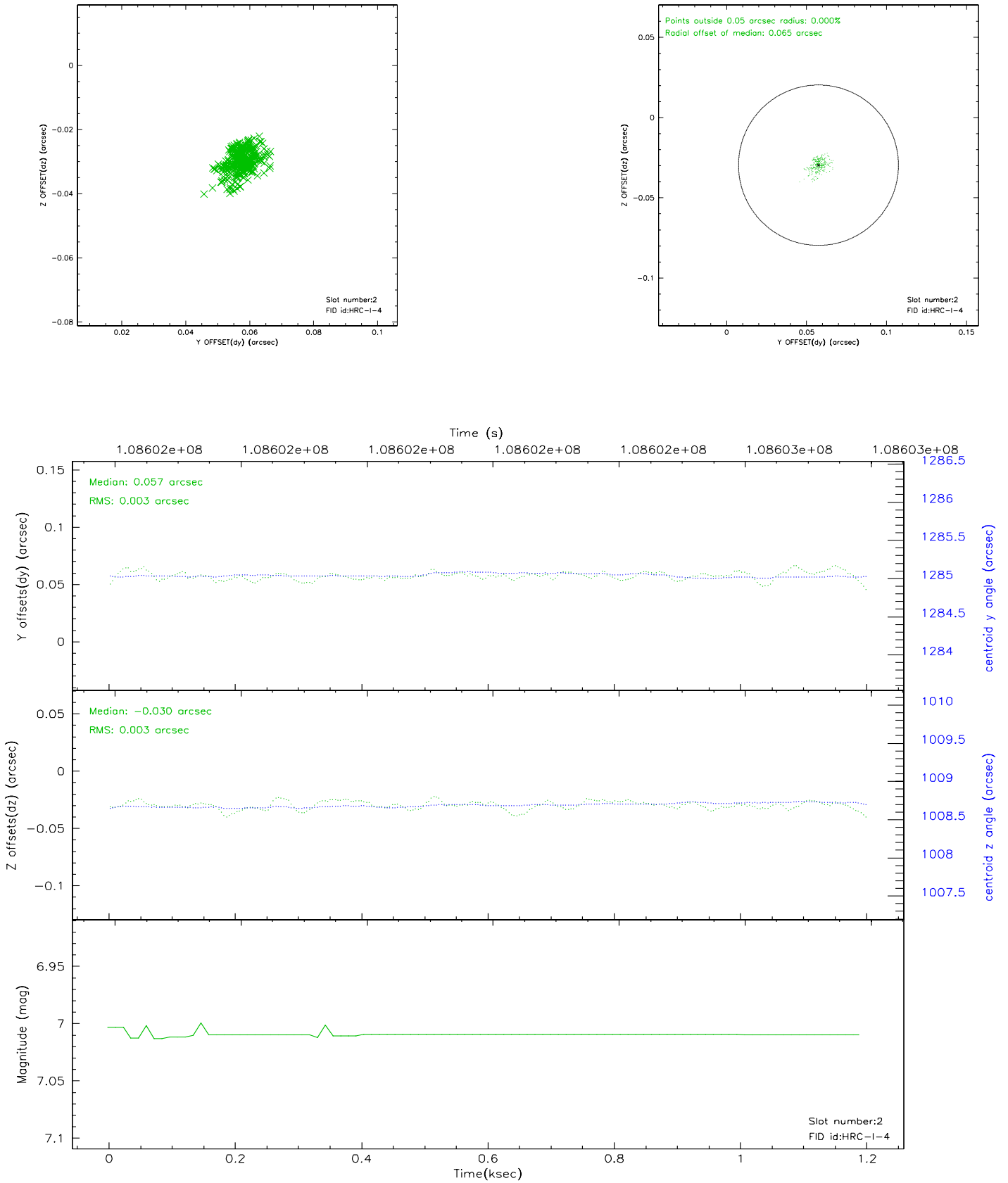
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





### 3 Point Sources

11.32 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.198

## 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.