

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1567 - L2 Version 4  
Chandra X-Ray Center

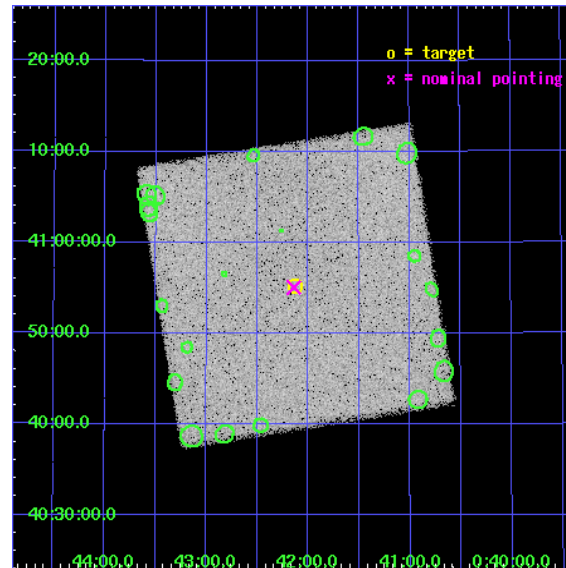
L2 Processing Date : Nov 21 2007

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# 1 Front

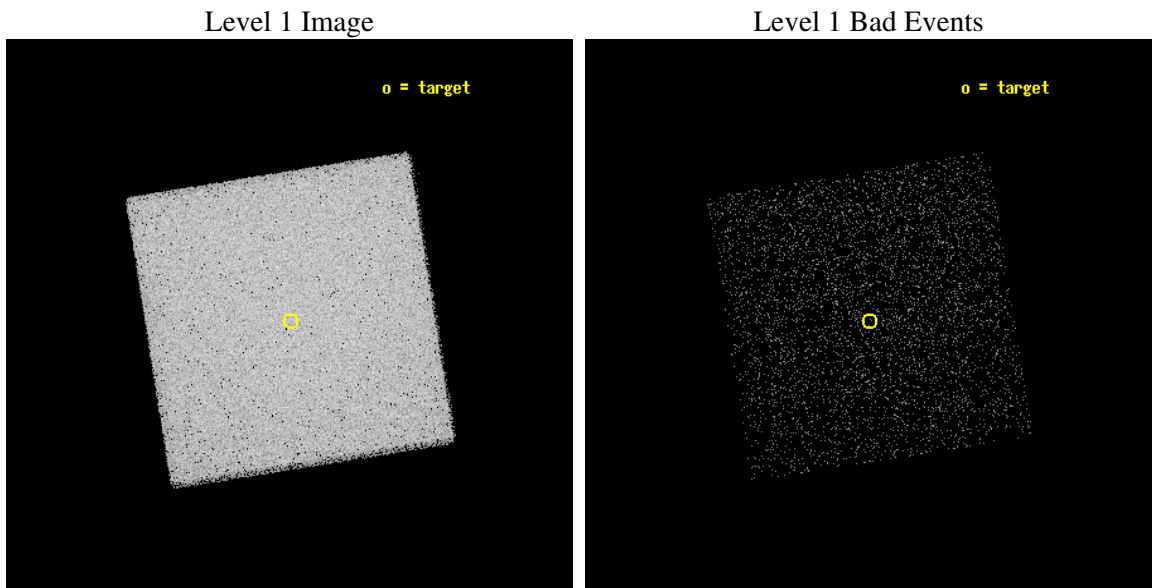
seq_num	600124
obs_id	1567
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - SOUTH 1
ra_targ	10.533333
dec_targ	40.921389
ra_nom	10.535056431825
dec_nom	40.918028241071
roll_nom	305.89615576043
revision	4
ontime	1200.5312962383
livetime	1134.1641851742
l2events	177307



## 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	2007-11-21T08:33:26
revision	4

sched_exp_time	1000.000000
ontime	1200.5312962383
l1events	278021

### 2.1.3 Events

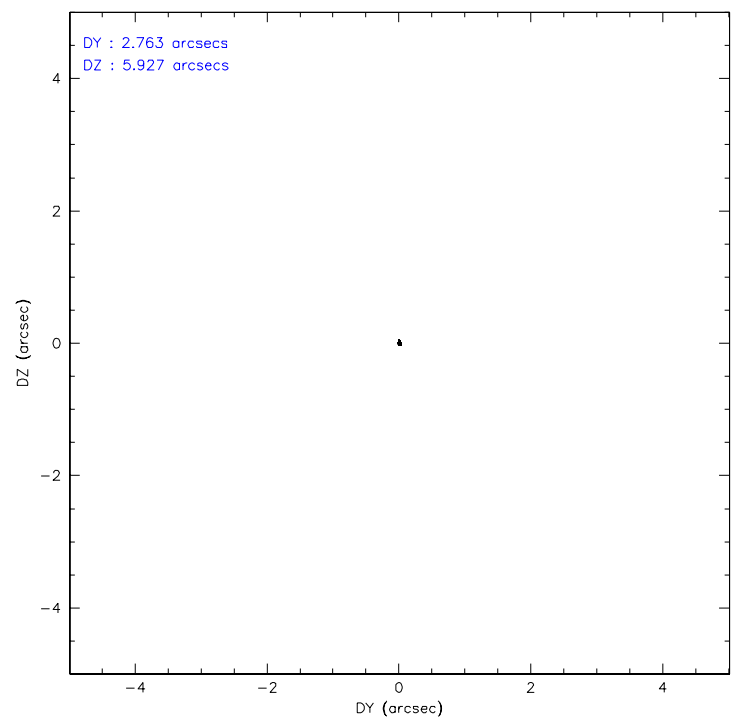
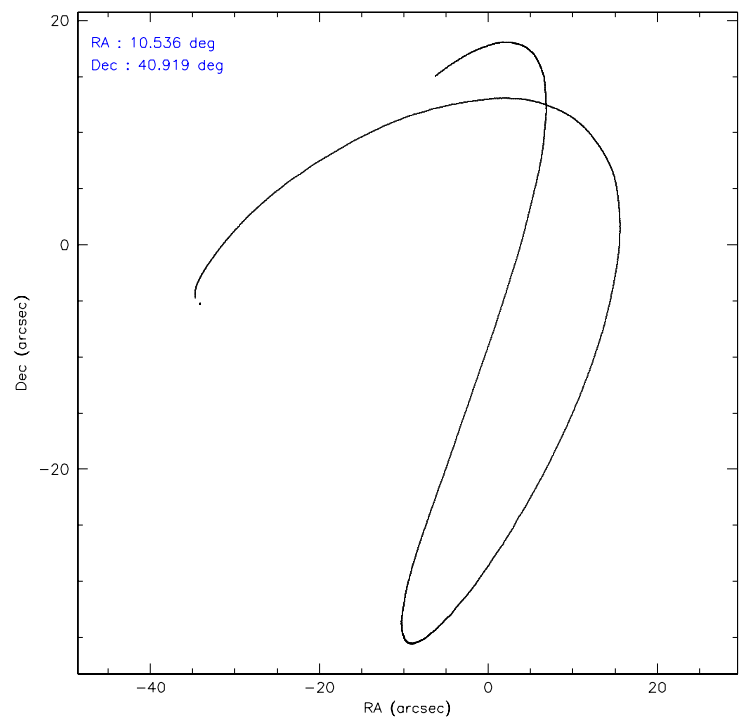
#### Level 1 Events

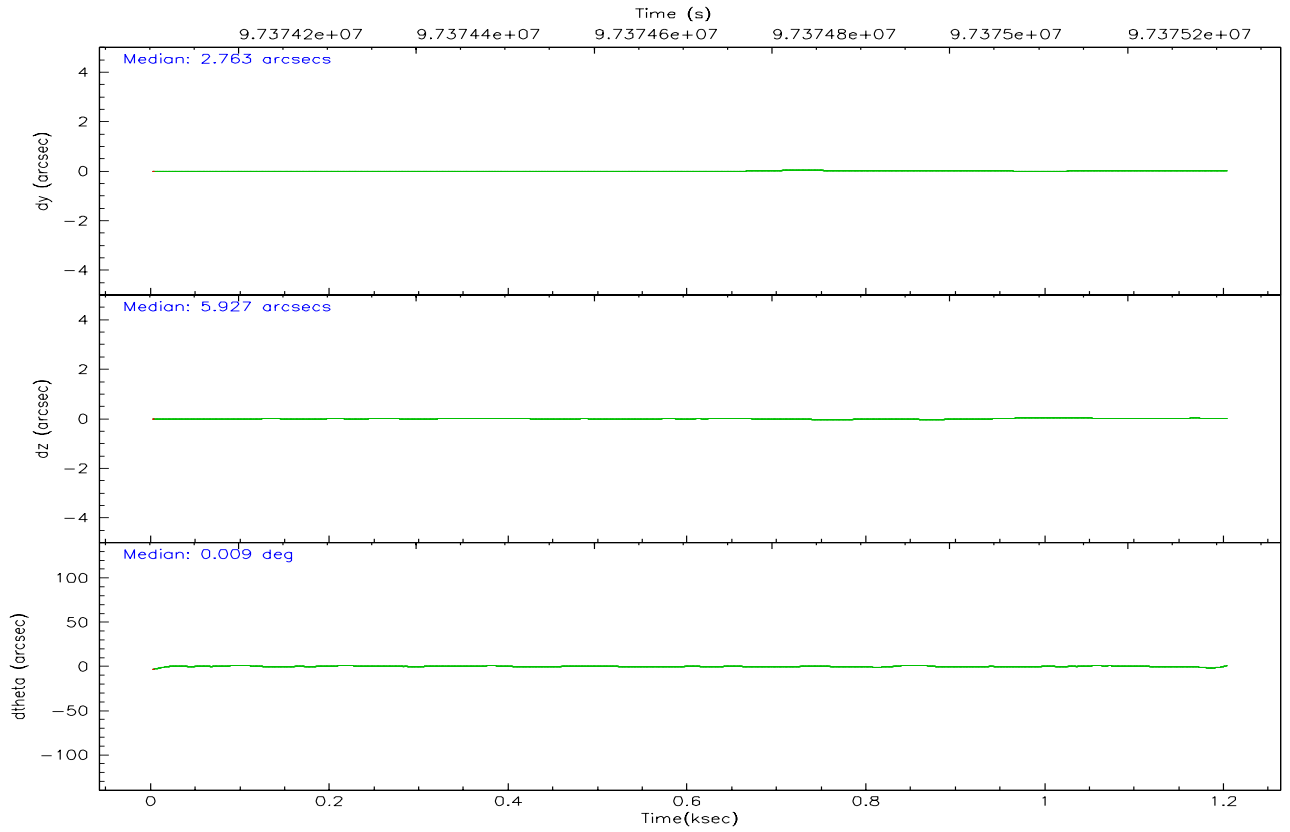
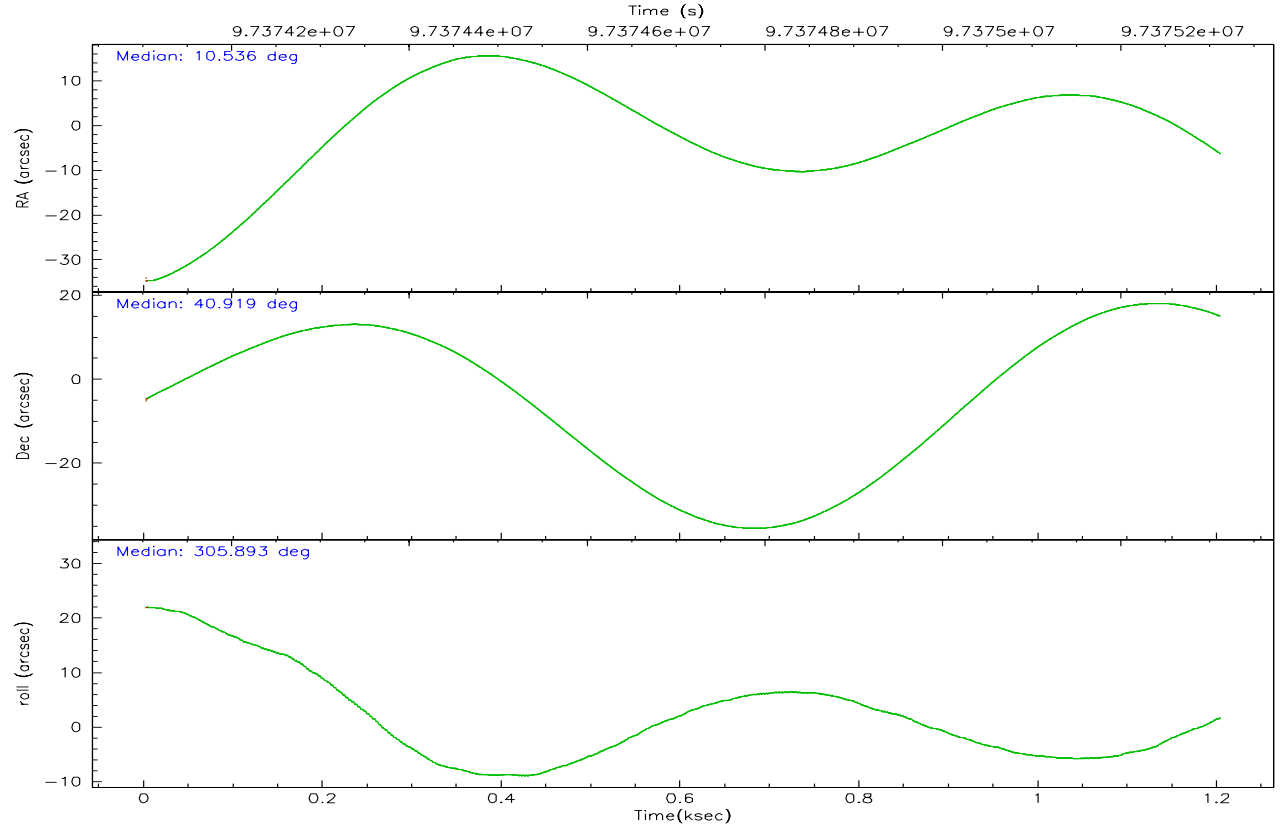
	<b>segment 0</b>
level 1 events	278021
rejected events	56822
rejected %	20%

## 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	10.501522	10.53505643182543			
Pointing Dec	40.927826	40.91802824107132			
Pointing Roll	306.013614	305.8961557604304			
Window start time	97416064.184000	97416064.184000			
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	97374309.184000	97373933.279195			
Observation start date	2001-02-01T00:24:05	2001-02-01T00:18:53			
Observation end time	97375309.184000	97375443.10425299			
Observation end date	2001-02-01T00:40:45	2001-02-01T00:44:03			

### 2.3 Aspect





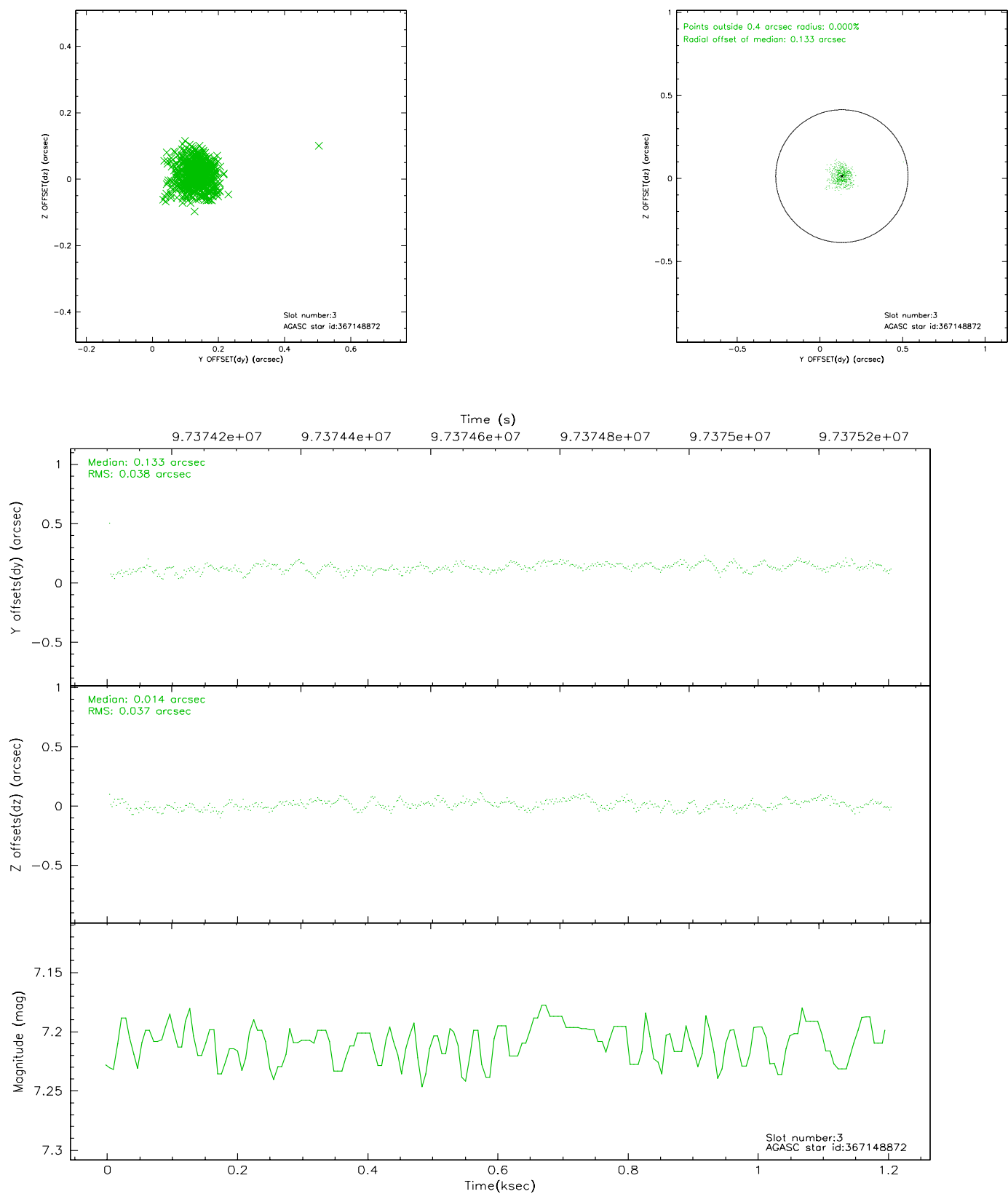
### Slot Statistics

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	294	0.038	0.027	0.007	0.011	0.000000	0.000000	-758.20	-1293.76
1	FID	HRC-I-3	7.03	294	0.031	-0.075	0.007	0.012	0.000000	0.000000	-1189.27	1006.30
2	FID	HRC-I-4	6.98	294	0.045	-0.041	0.005	0.009	0.000000	0.000000	1280.56	1011.75
3	GUIDE	367148872	7.21	587	0.133	0.014	0.055	0.087	10.505940	40.688258	705.54	-500.88
4	GUIDE	367138920	7.74	587	0.040	0.163	0.051	0.084	11.513485	40.808909	1956.60	1983.99
5	GUIDE	367139768	7.98	587	0.016	0.013	0.051	0.085	11.069715	40.685175	1618.50	743.92
6	GUIDE	367139648	8.21	587	0.072	-0.050	0.048	0.080	11.021290	40.433909	2275.78	106.85
7	GUIDE	365431072	9.00	586	-0.261	-0.146	0.067	0.116	9.376278	41.092224	-2285.40	-2113.54

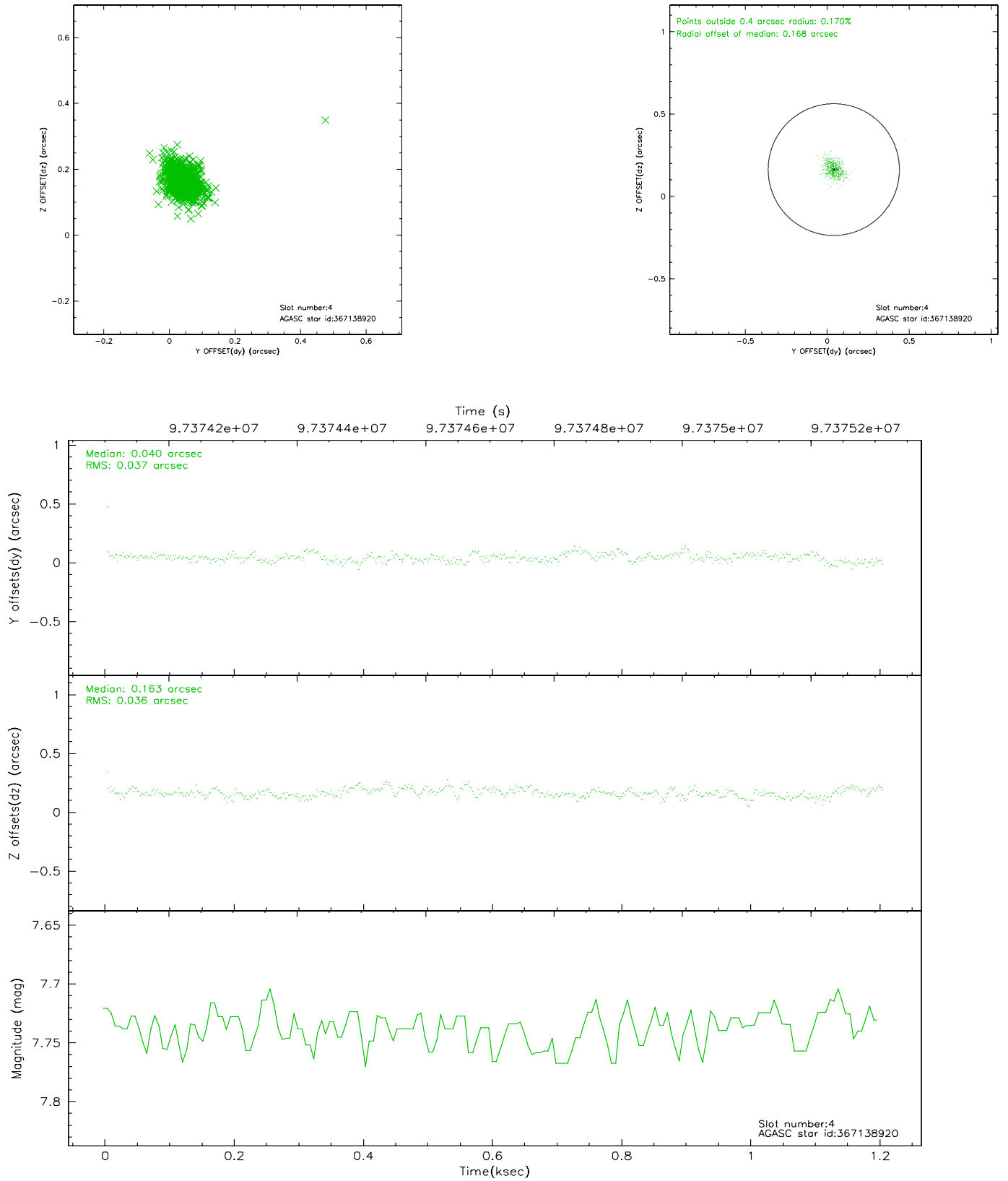


## 2.4 Star Slots

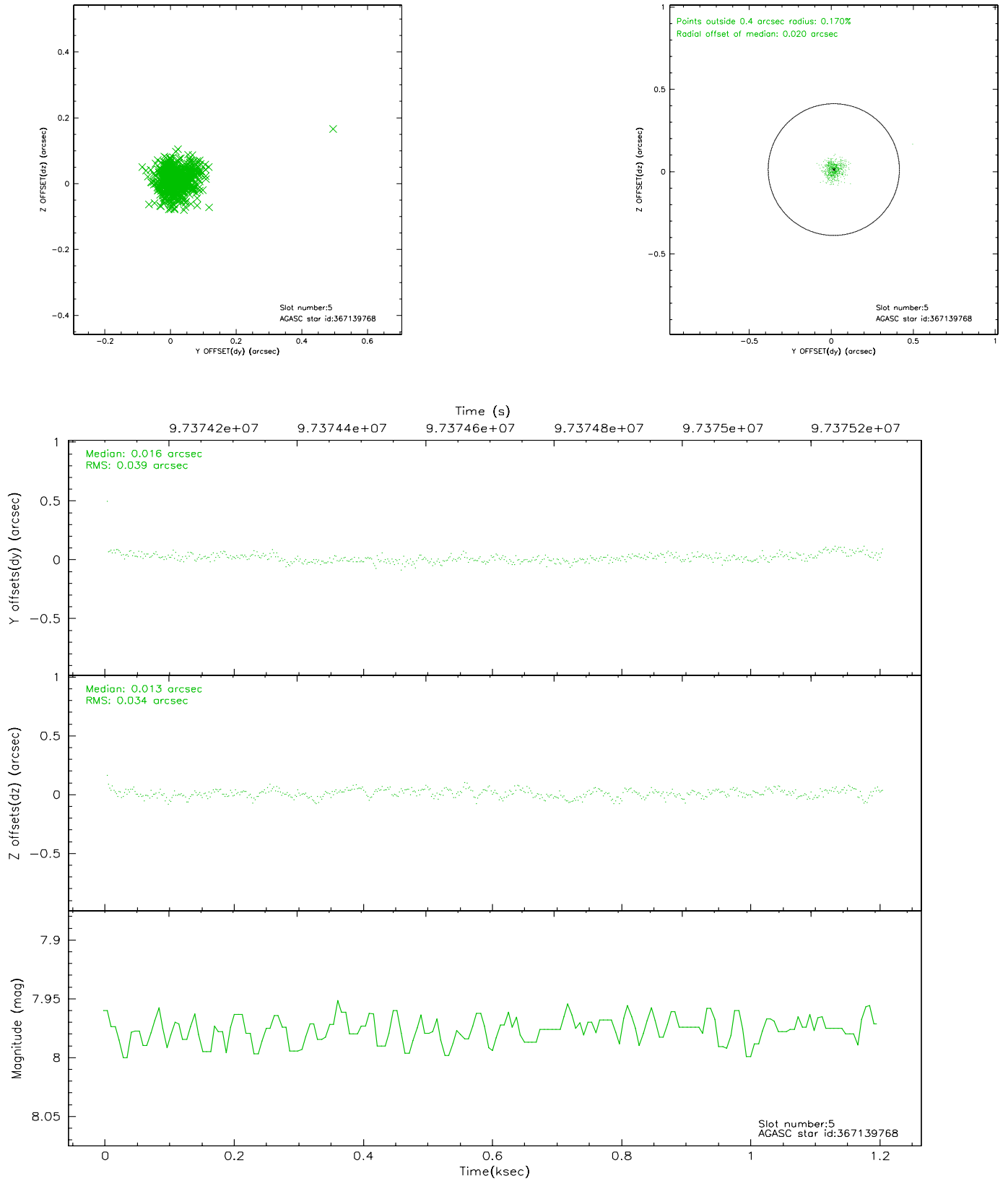
### 2.4.1 Slot 3



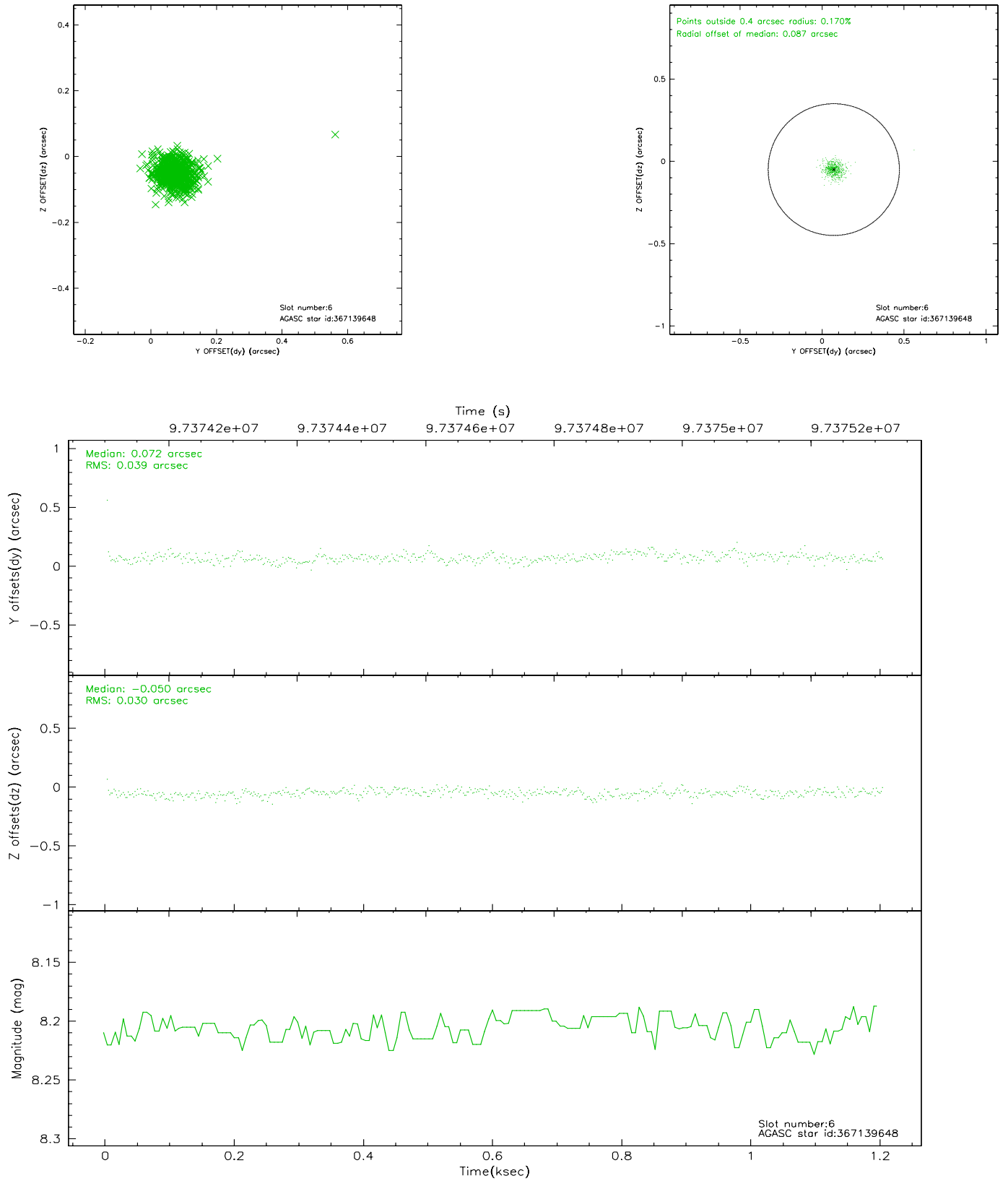
## 2.4.2 Slot 4



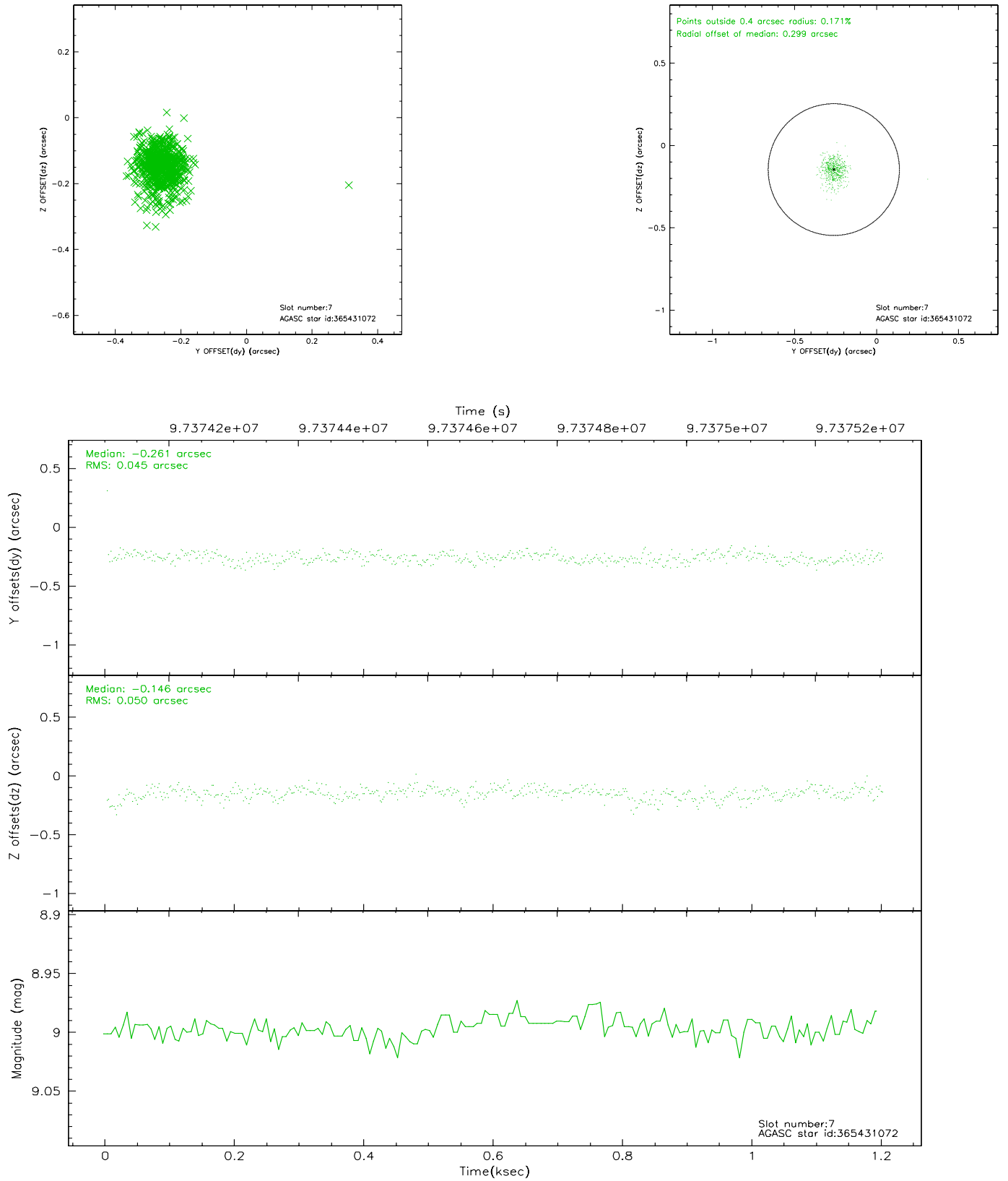
### 2.4.3 Slot 5



## 2.4.4 Slot 6

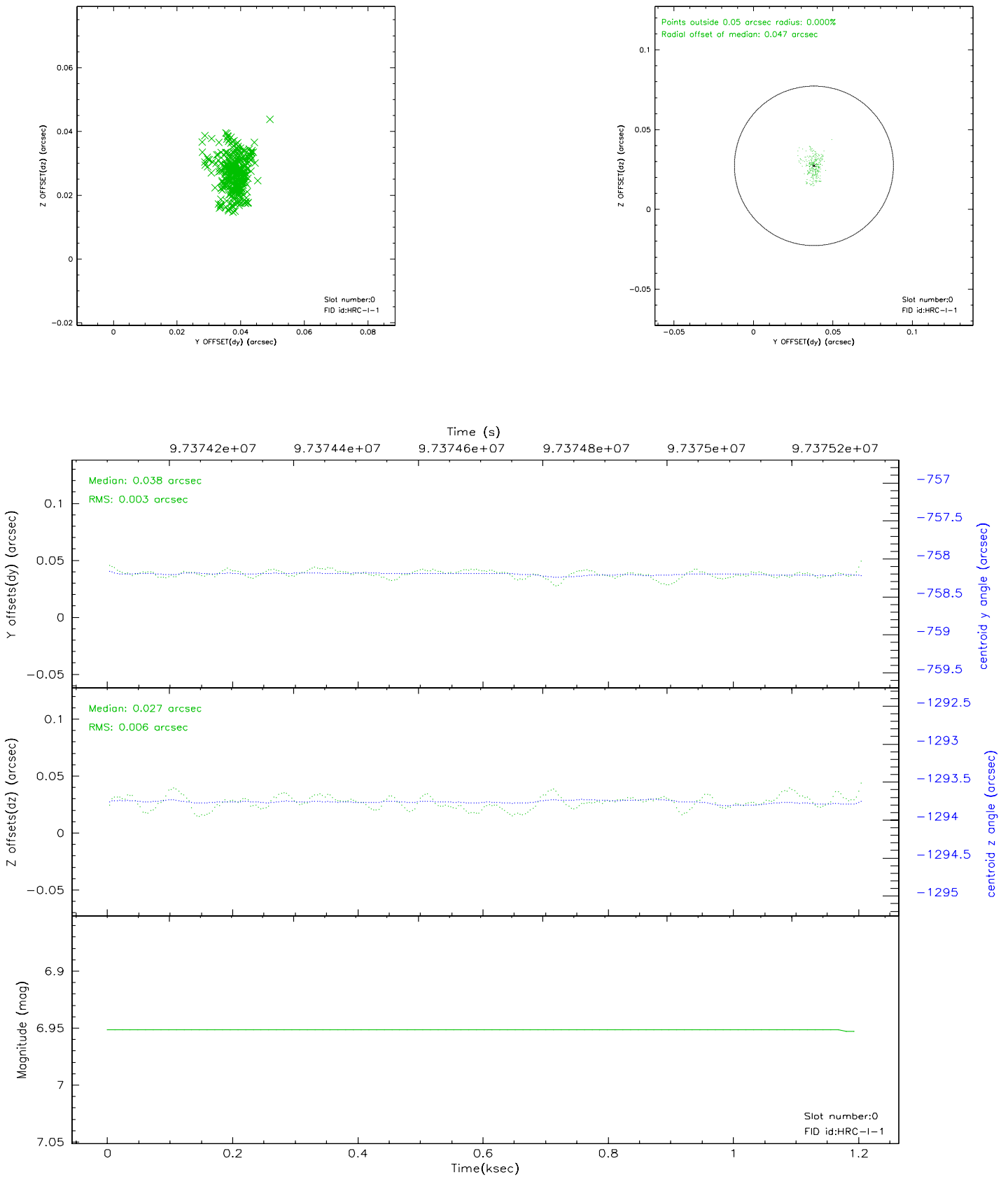


## 2.4.5 Slot 7

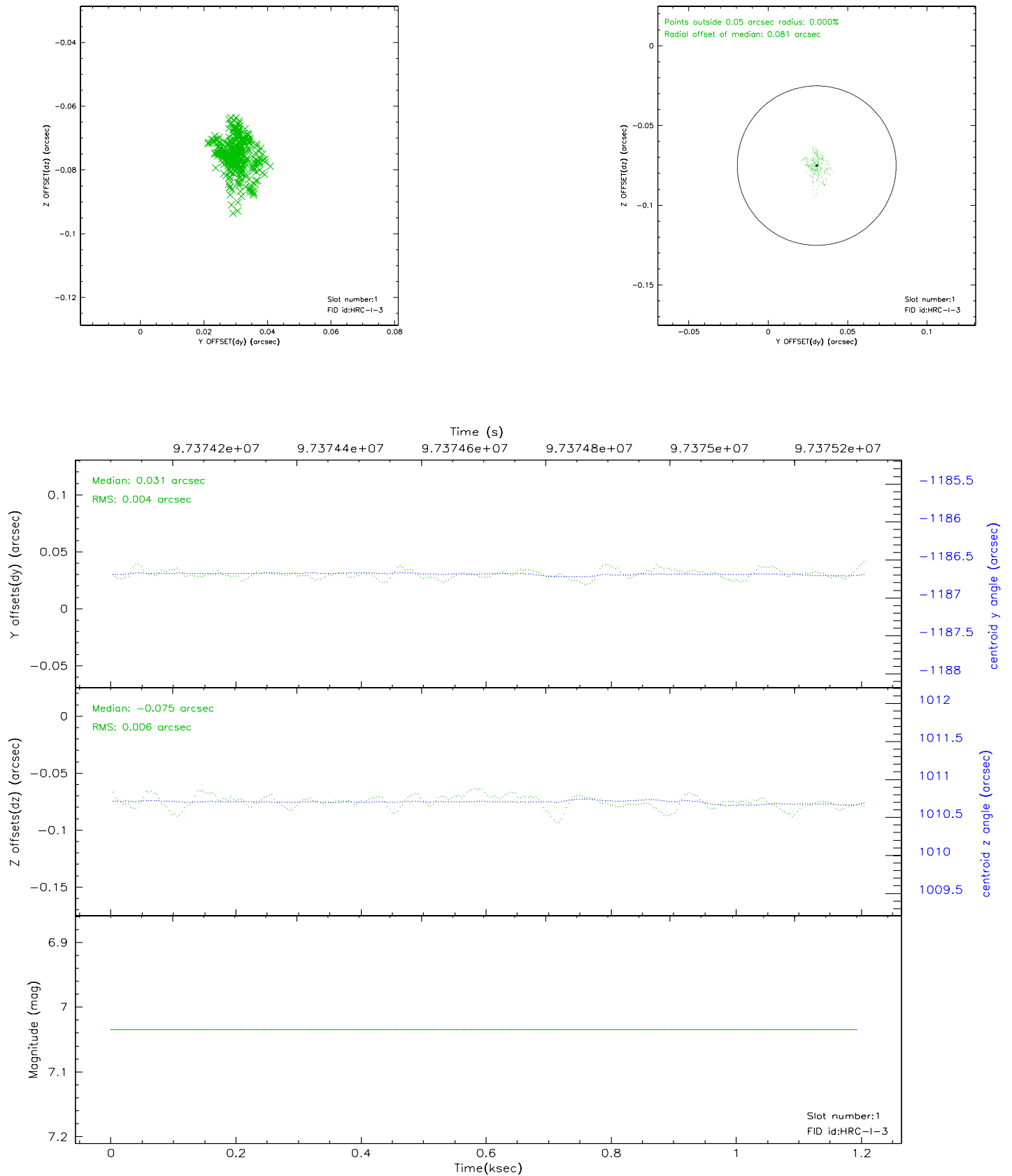


## 2.5 FID Slots

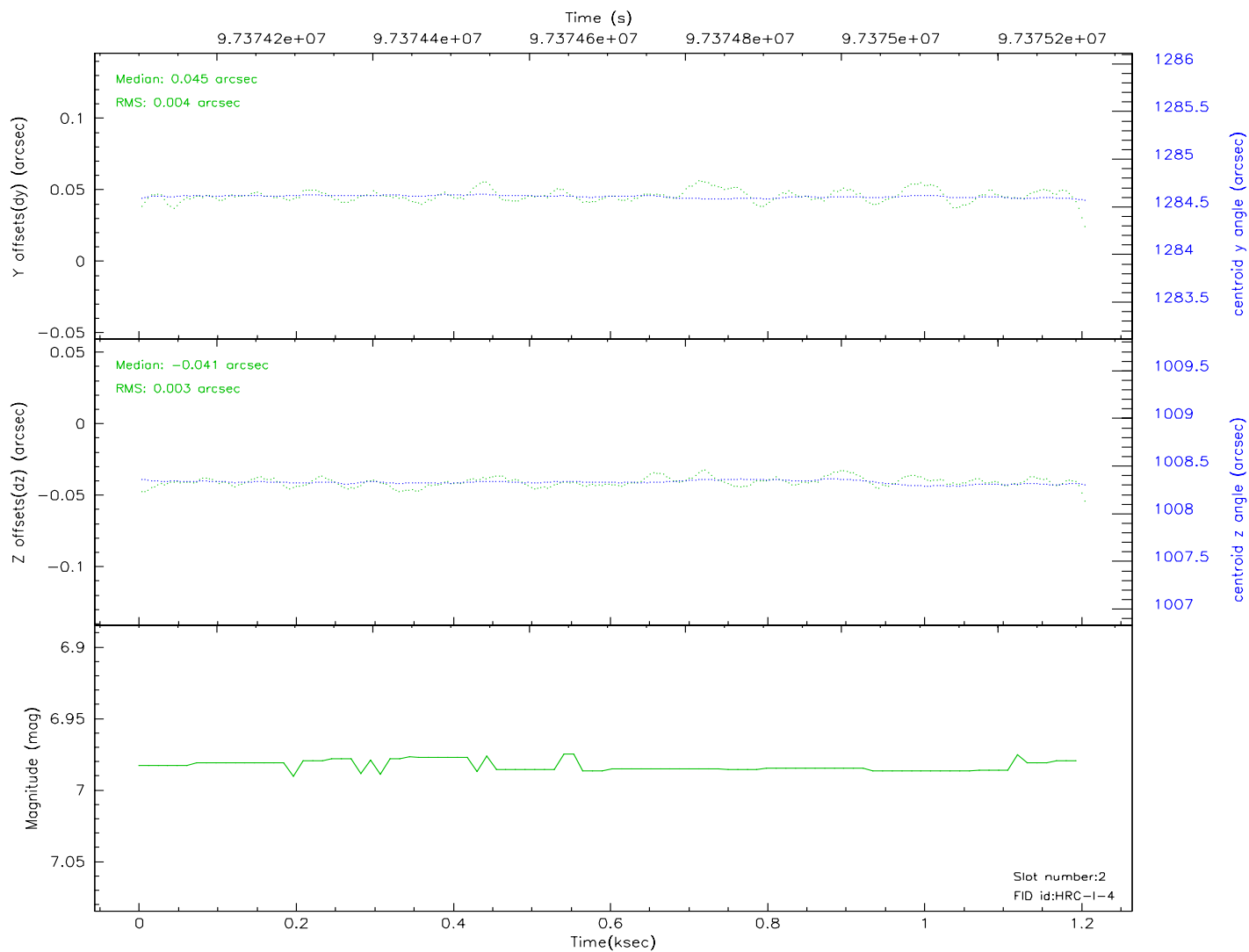
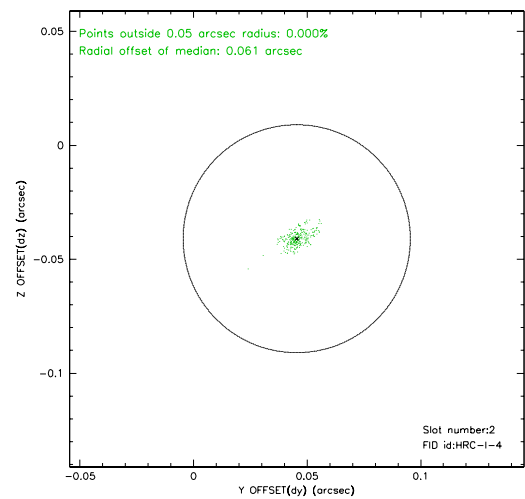
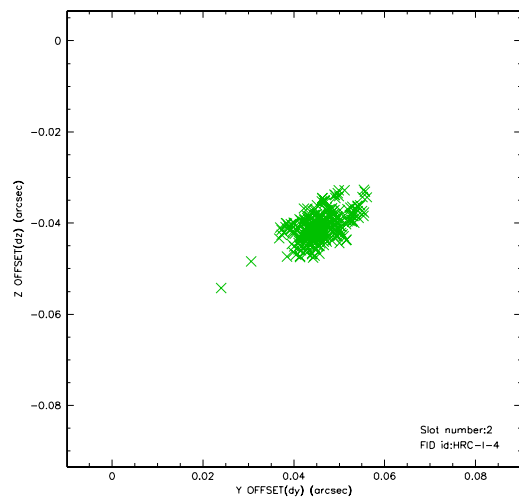
### 2.5.1 Slot 0



## 2.5.2 Slot 1

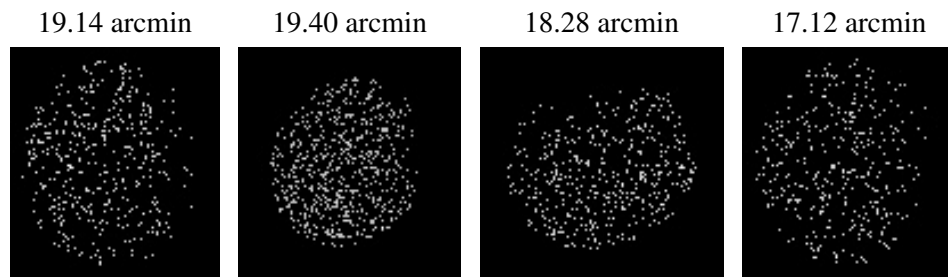


### 2.5.3 Slot 2





### 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	1.2

## A.2 Comments

Window constraint not met, window is from Feb 1 2001 12:00PM - Feb 14 2001 12:00AM while the observation begins at 2001-02-01T00:18:53

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.