

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2905 - L2 Version 3  
Chandra X-Ray Center

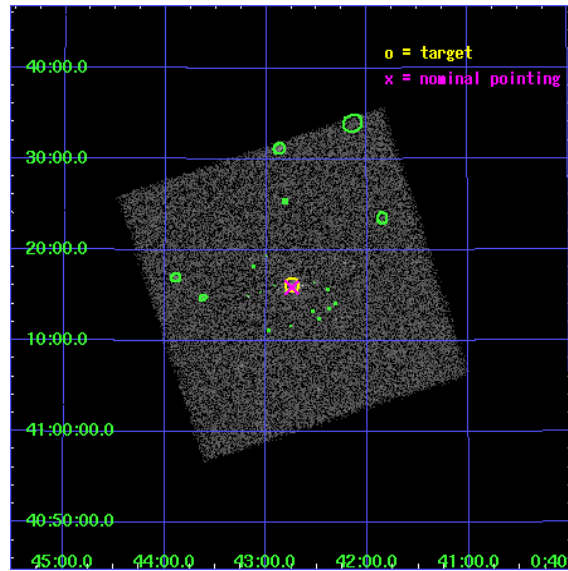
L2 Processing Date : Nov 20 2007

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# 1 Front

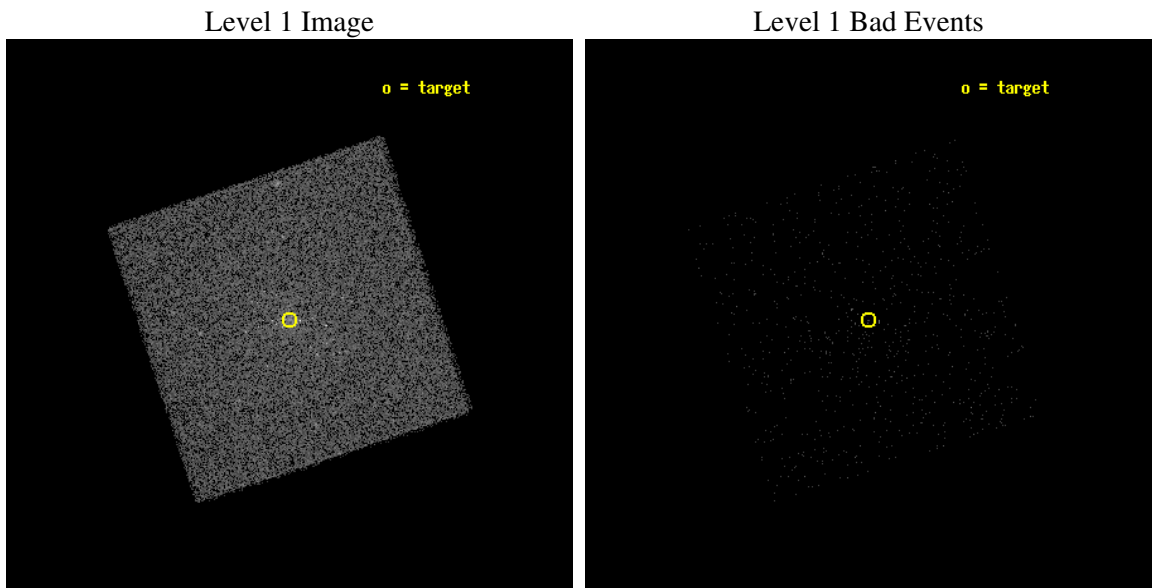
seq_num	600242
obs_id	2905
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-CORE
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.686197113001
dec_nom	41.26497156353
roll_nom	296.74050576993
revision	3
ontime	1102.1312943399
livetime	1094.221998317
l2events	54832



## 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	2007-11-20T21:51:32
revision	3

sched_exp_time	900.000000
ontime	1102.1312943399
l1events	98741

### 2.1.3 Events

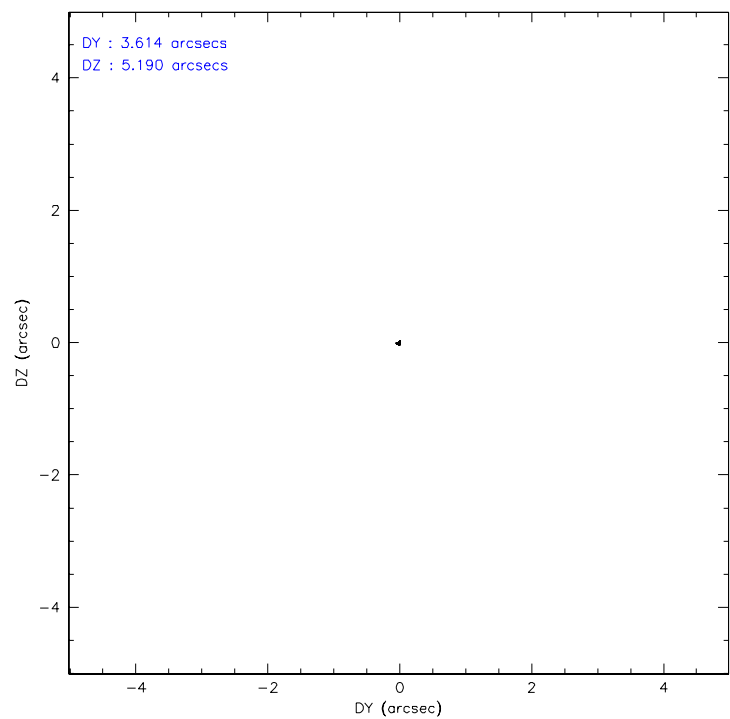
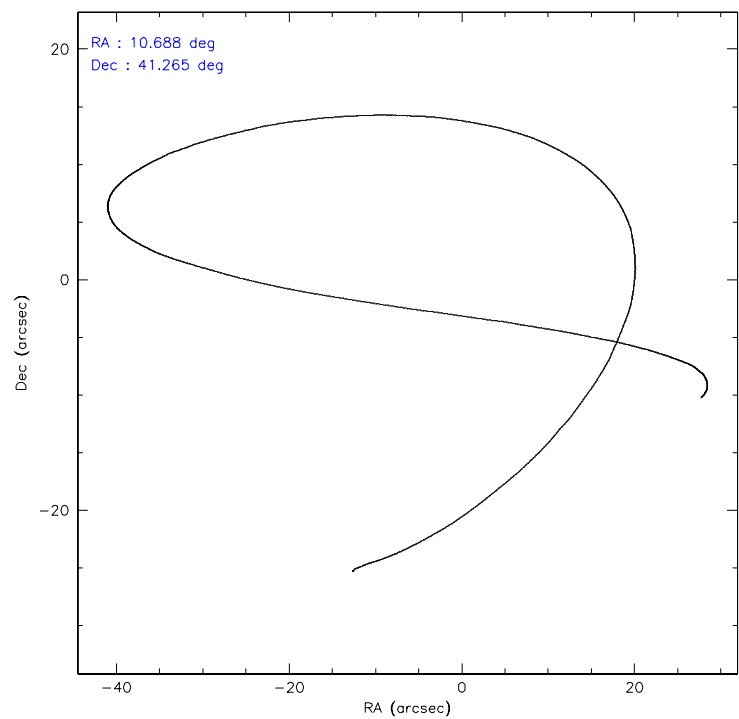
#### Level 1 Events

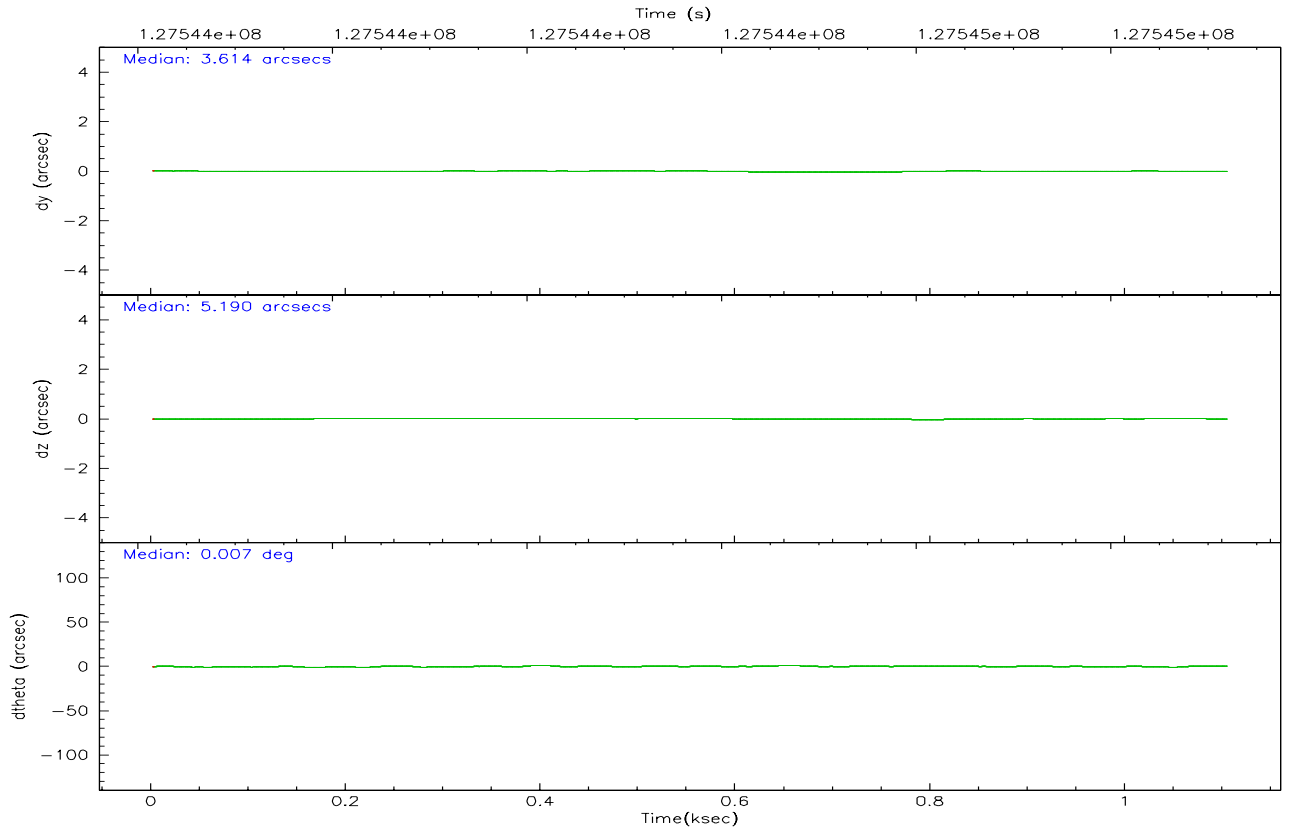
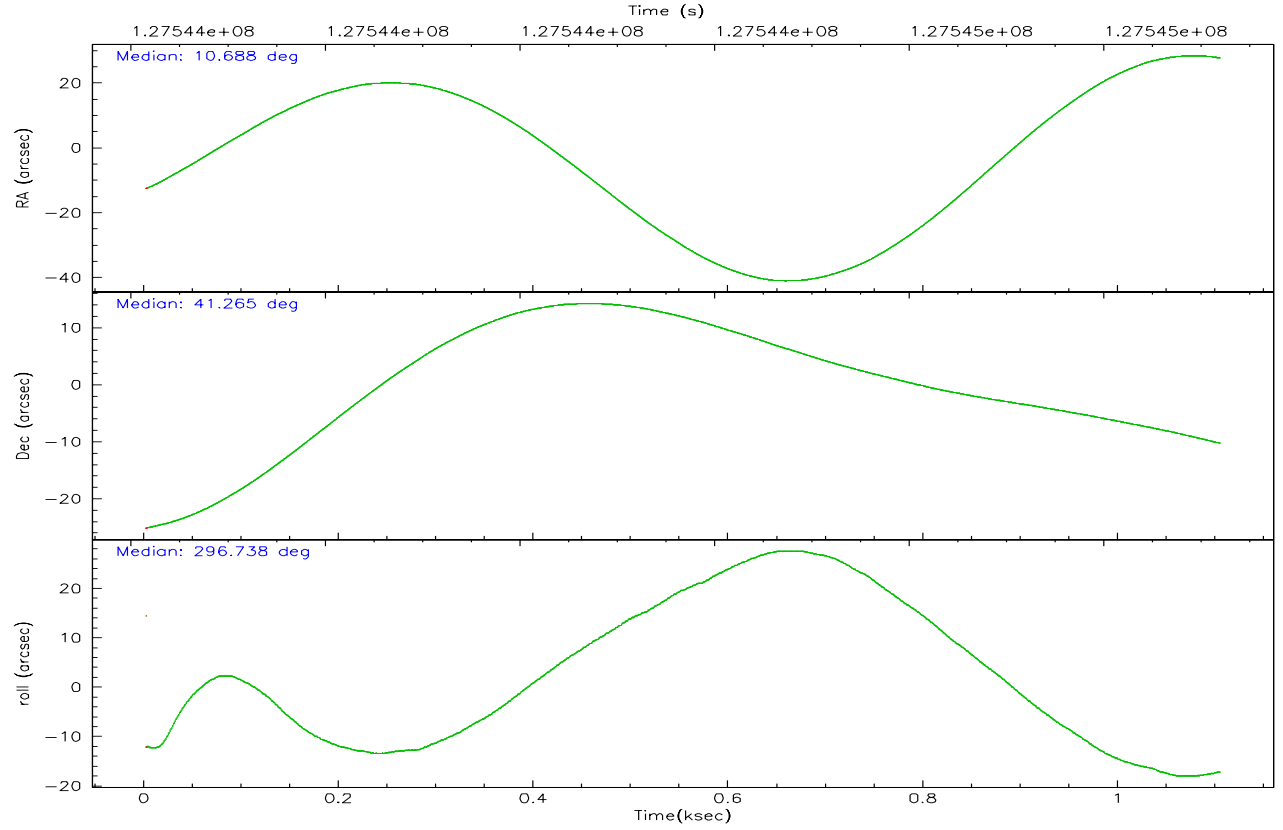
	<b>segment 0</b>
level 1 events	98741
rejected events	21811
rejected %	22%

## 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	10.654777	10.68619711300146			
Pointing Dec	41.279144	41.26497156353007			
Pointing Roll	296.857011	296.7405057699256			
Window start time	127353664.184000	127353664.184000			
Window stop time	127958464.184000	127958464.184000			
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	127544022.184000	127543646.08963			
Observation start date	2002-01-16T04:52:38	2002-01-16T04:47:26			
Observation end time	127544922.184000	127545056.48969			
Observation end date	2002-01-16T05:07:38	2002-01-16T05:10:56			

## 2.3 Aspect





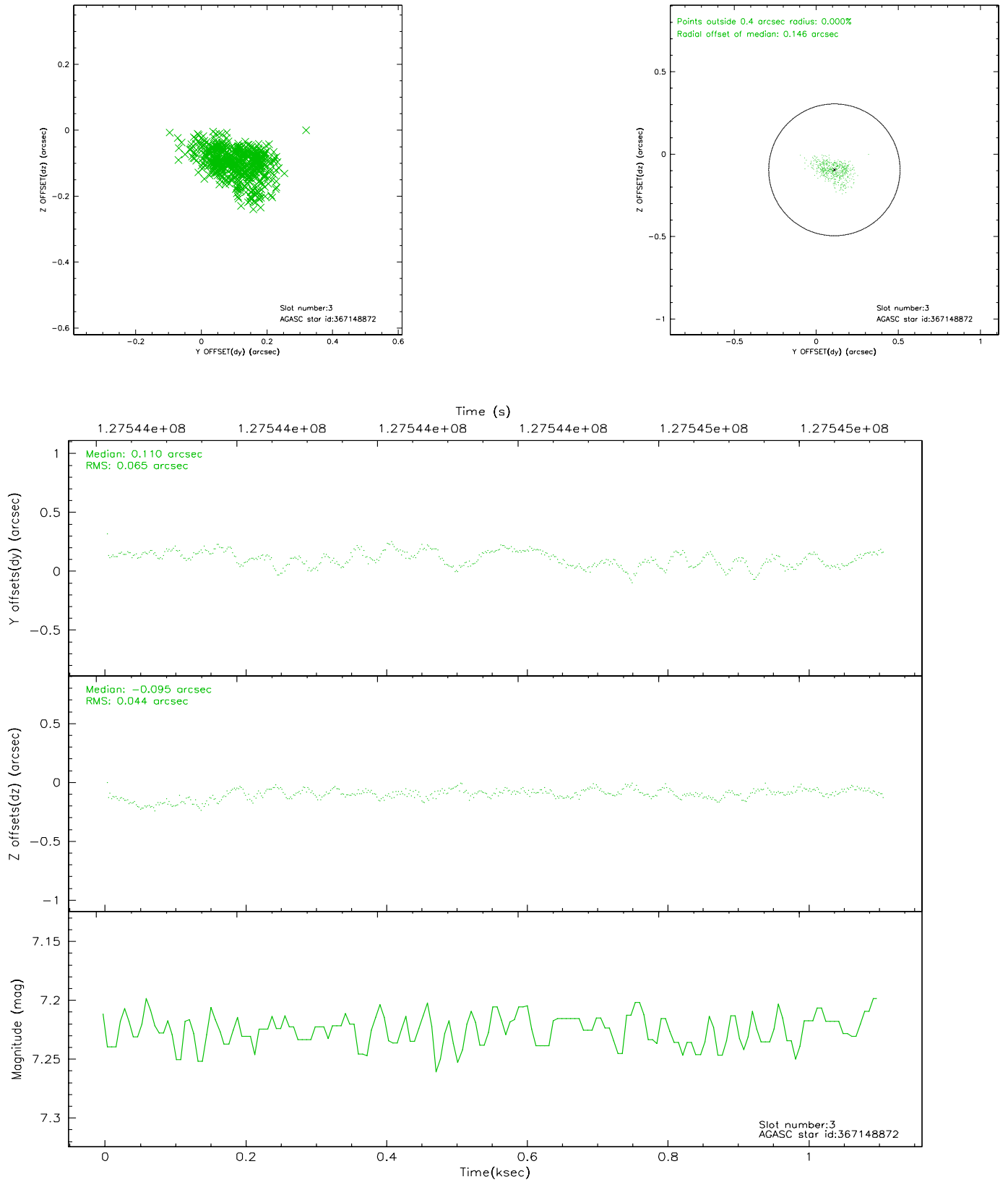
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	270	0.006	0.052	0.006	0.011	0.000000	0.000000	-759.06	-1292.95
1	FID	HRC-I-2	7.00	270	0.077	-0.053	0.005	0.009	0.000000	0.000000	850.83	-1299.37
2	FID	HRC-I-3	7.04	270	0.035	-0.089	0.006	0.010	0.000000	0.000000	-1184.42	1006.65
3	GUIDE	367148872	7.22	539	0.110	-0.095	0.080	0.135	10.505940	40.688258	1713.06	-1326.58
4	GUIDE	367146616	8.86	539	0.050	0.023	0.088	0.167	11.418645	41.190163	1214.61	1700.06
5	GUIDE	367657896	9.02	539	0.037	0.049	0.082	0.139	11.197765	41.313576	549.75	1368.03
6	GUIDE	367671800	9.41	539	-0.144	-0.038	0.105	0.219	10.554735	41.964935	-2323.95	875.82
7	GUIDE	367665472	9.49	538	-0.041	0.049	0.086	0.154	10.241611	41.730843	-1959.98	-255.98

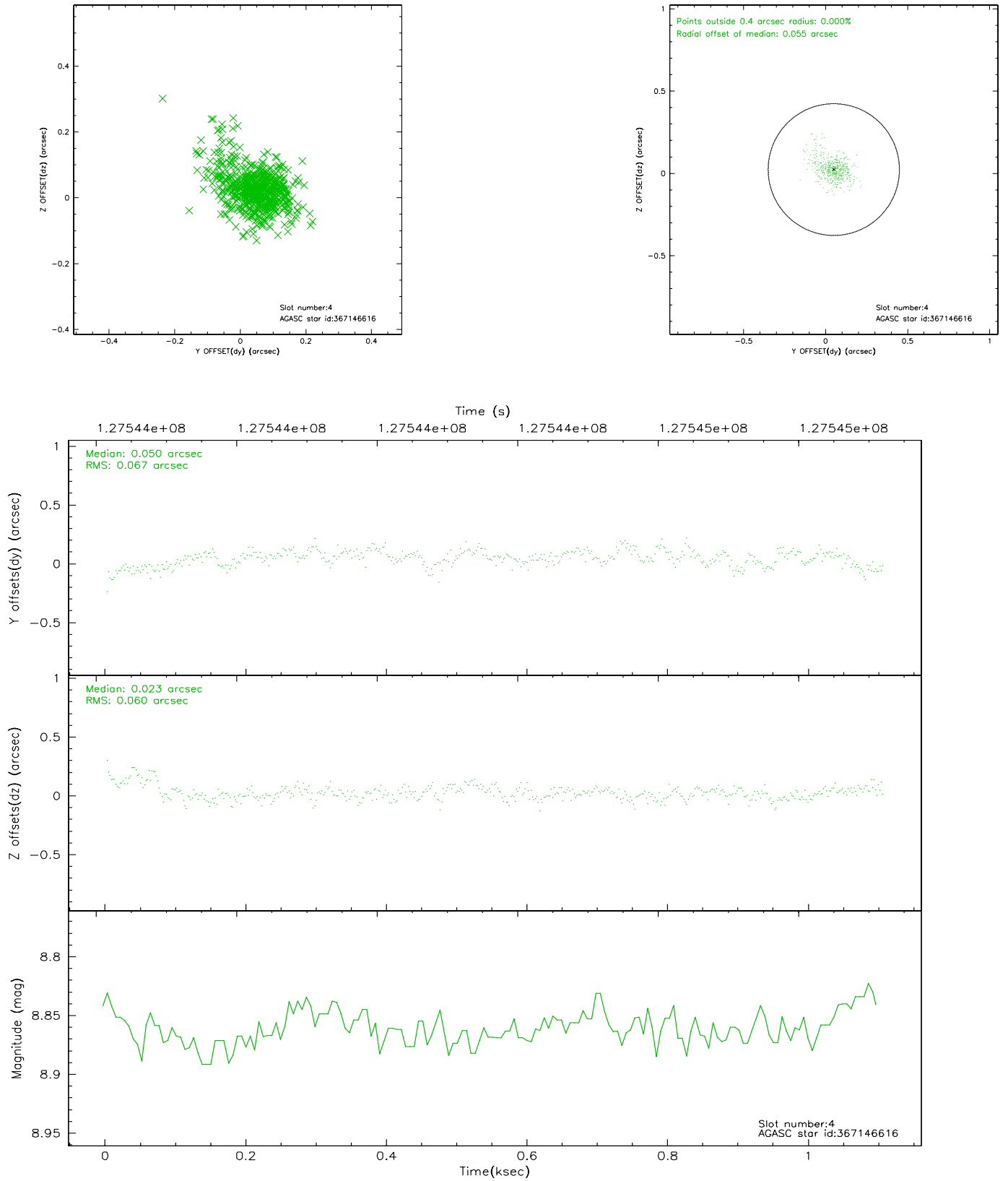


## 2.4 Star Slots

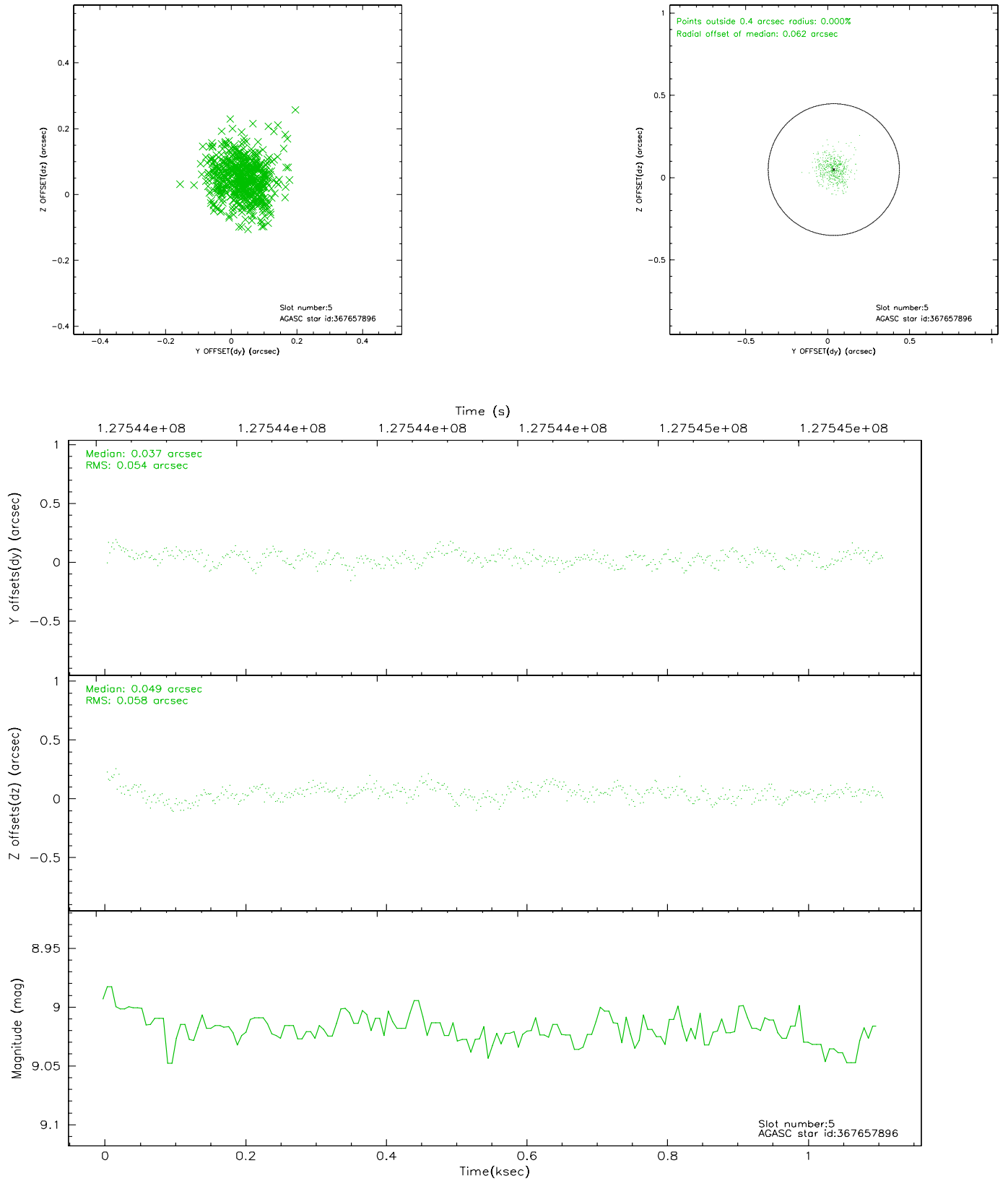
### 2.4.1 Slot 3



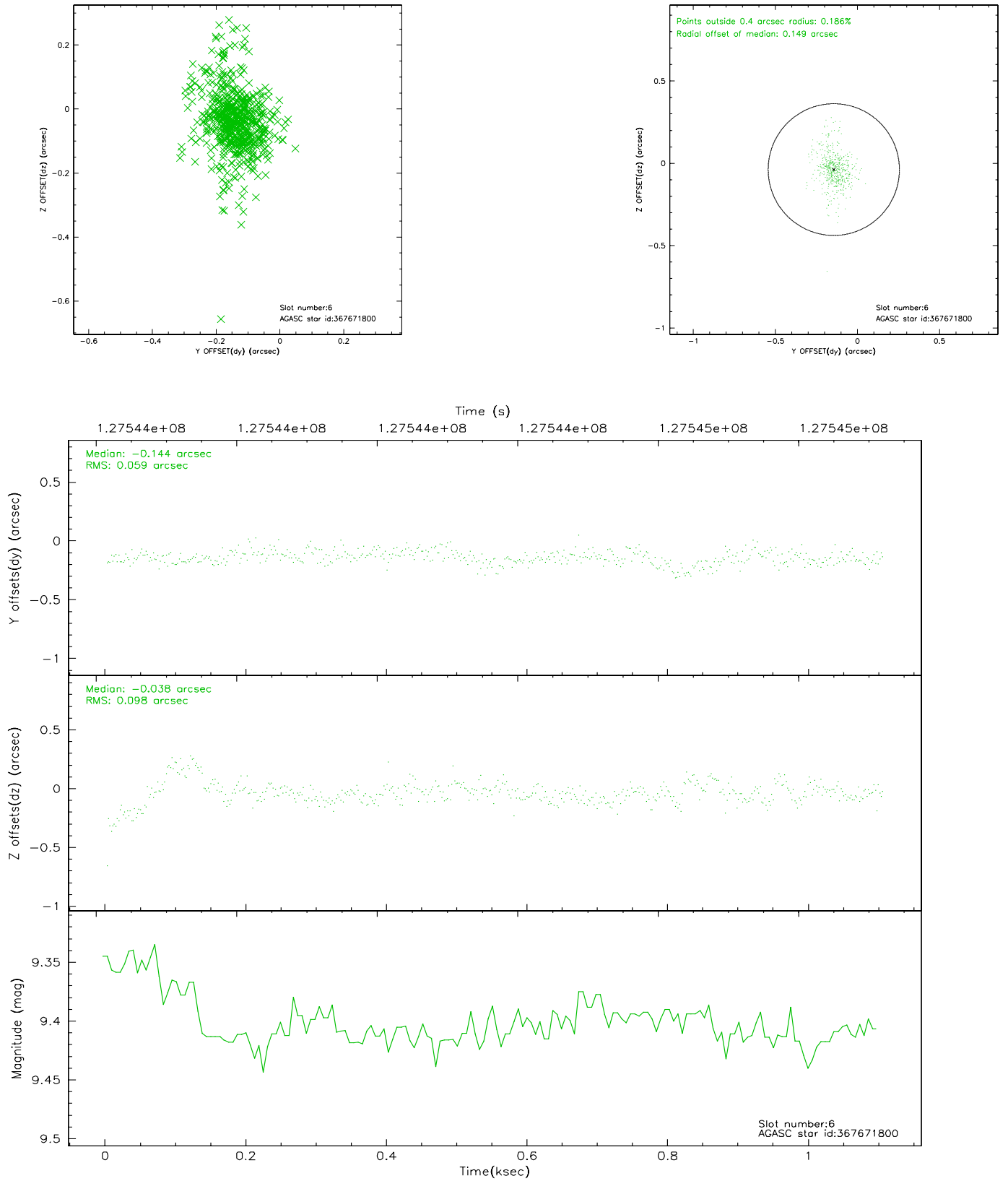
## 2.4.2 Slot 4



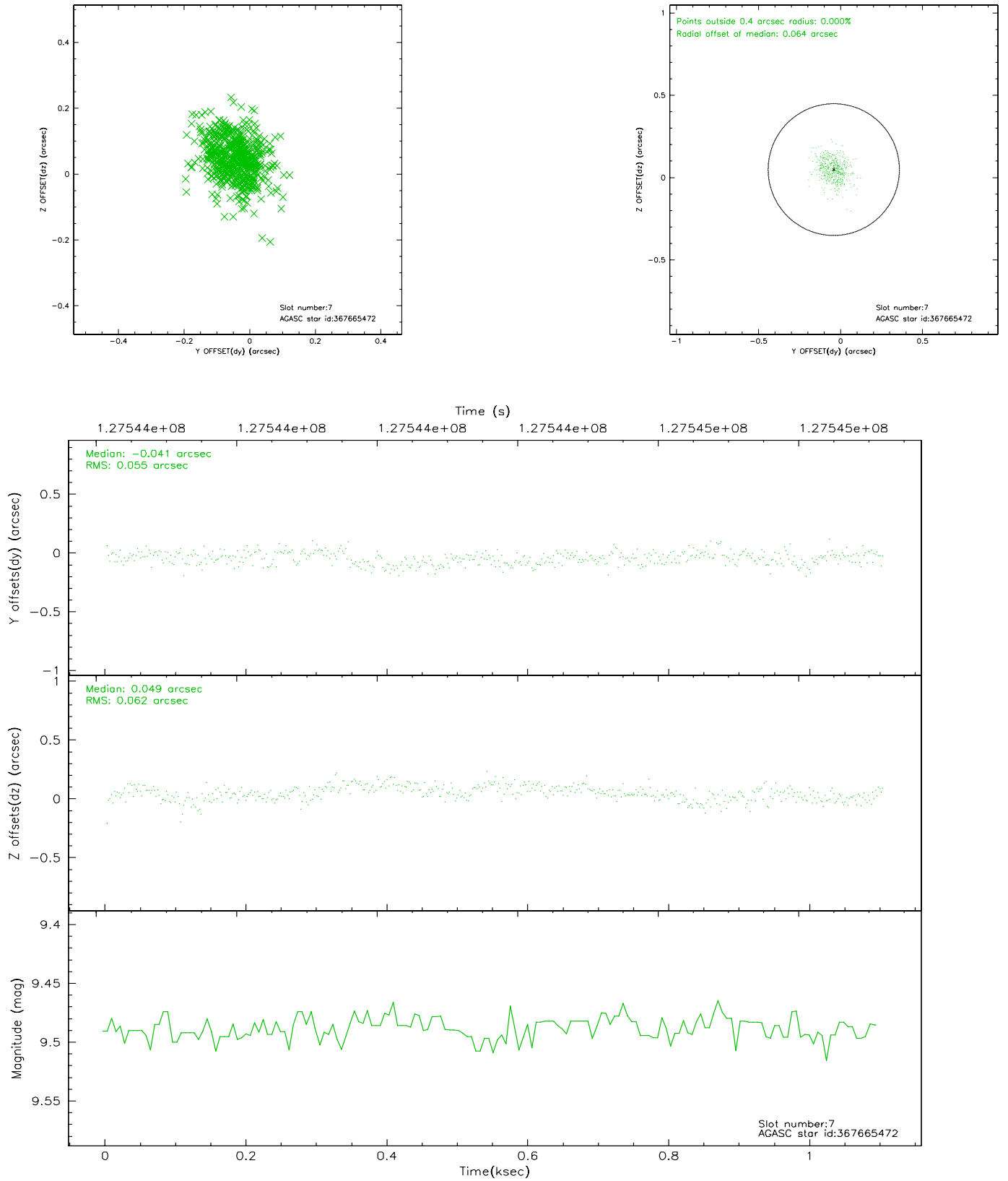
### 2.4.3 Slot 5



## 2.4.4 Slot 6

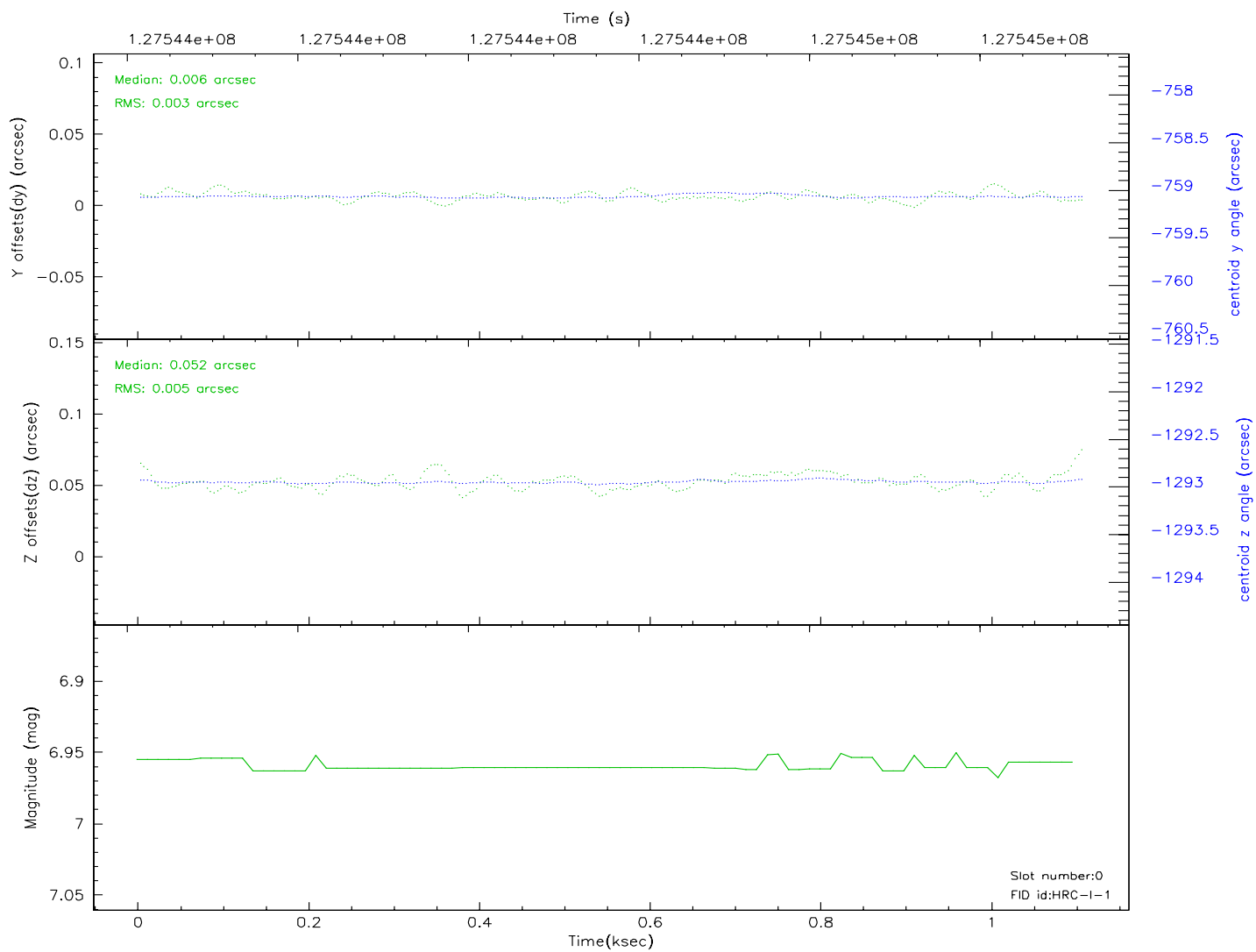
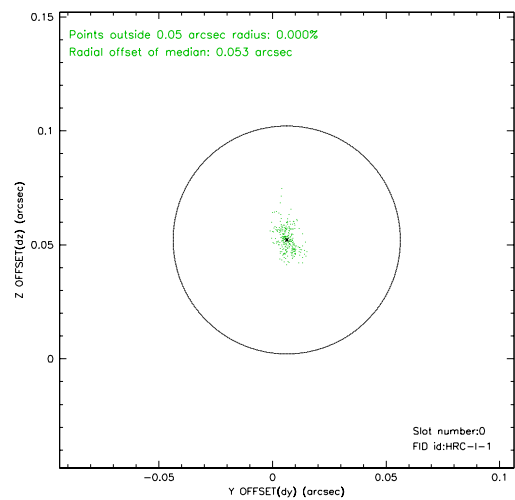
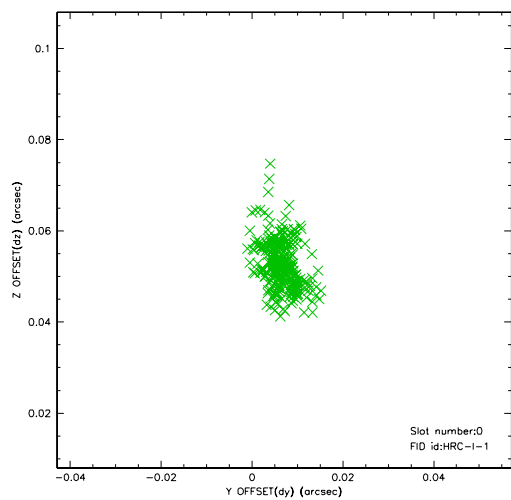


## 2.4.5 Slot 7

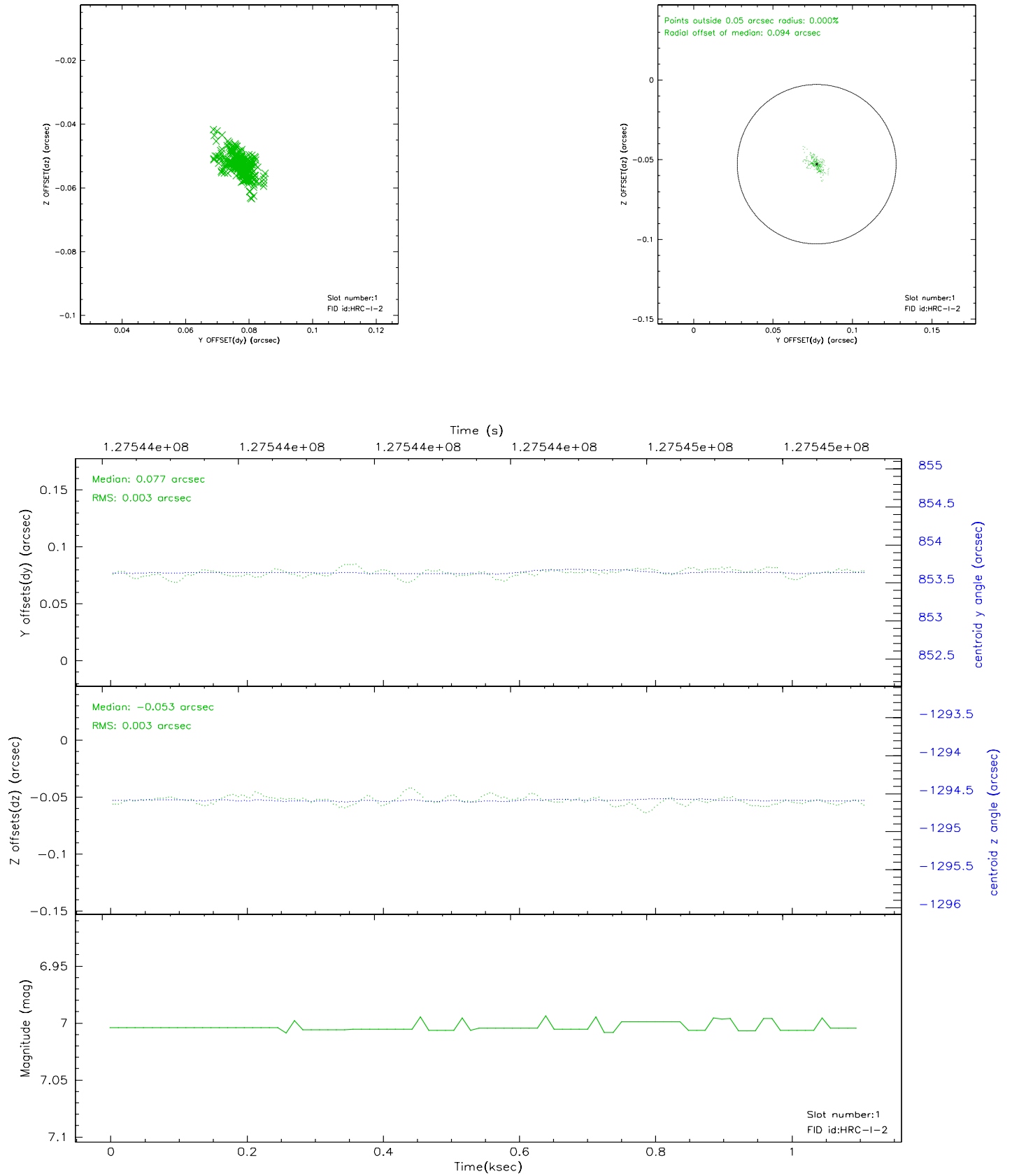


## 2.5 FID Slots

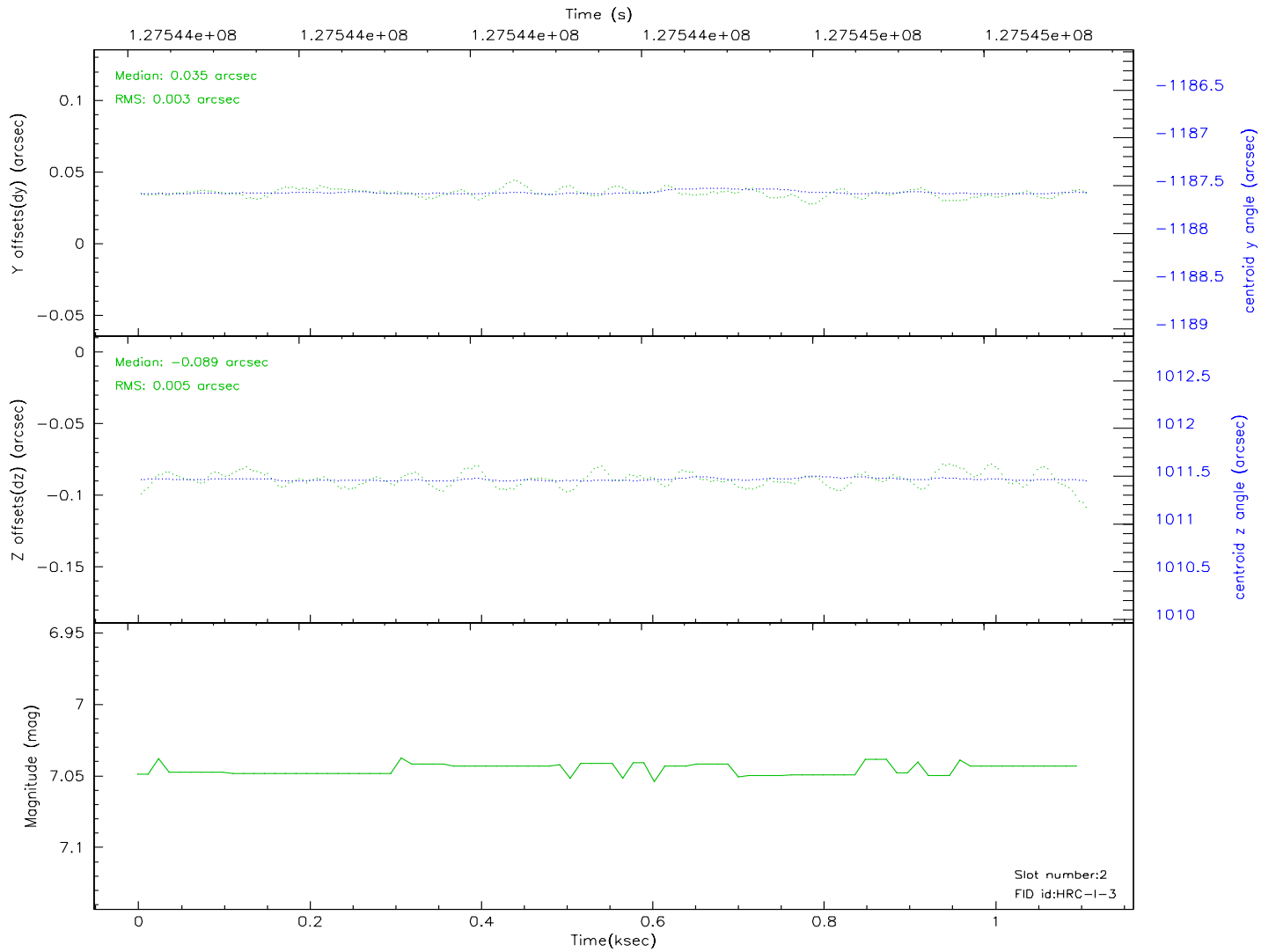
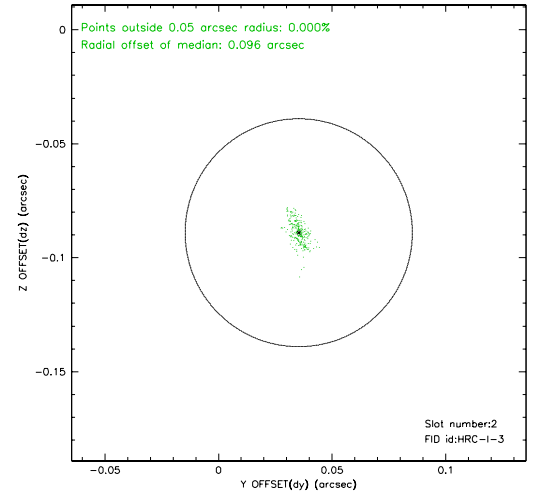
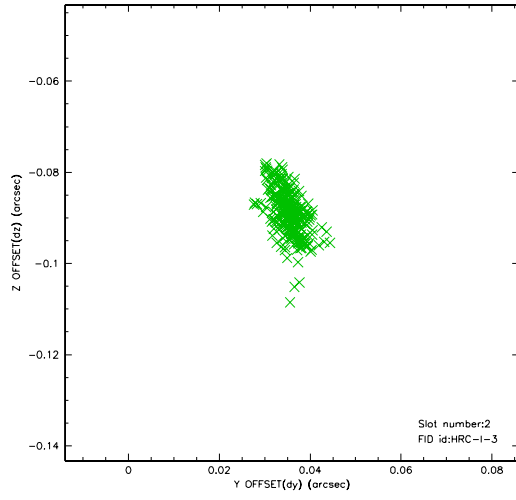
### 2.5.1 Slot 0



## 2.5.2 Slot 1

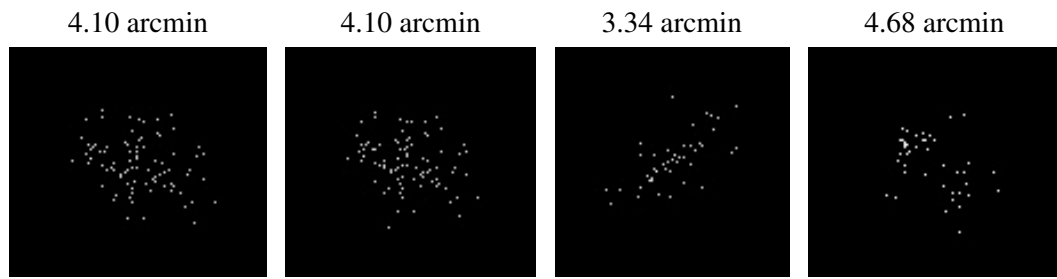


### 2.5.3 Slot 2





### 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	1.102

## A.2 Comments

Window constraint satisfied.

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.