

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 275 - L2 Version 4  
Chandra X-Ray Center

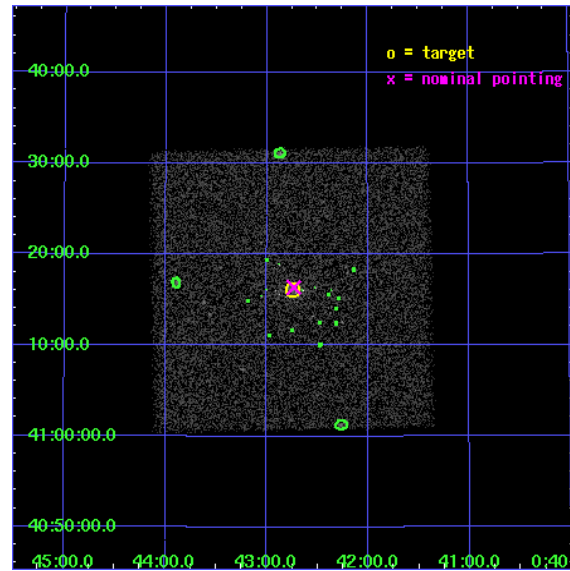
L2 Processing Date : Nov 20 2007

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# 1 Front

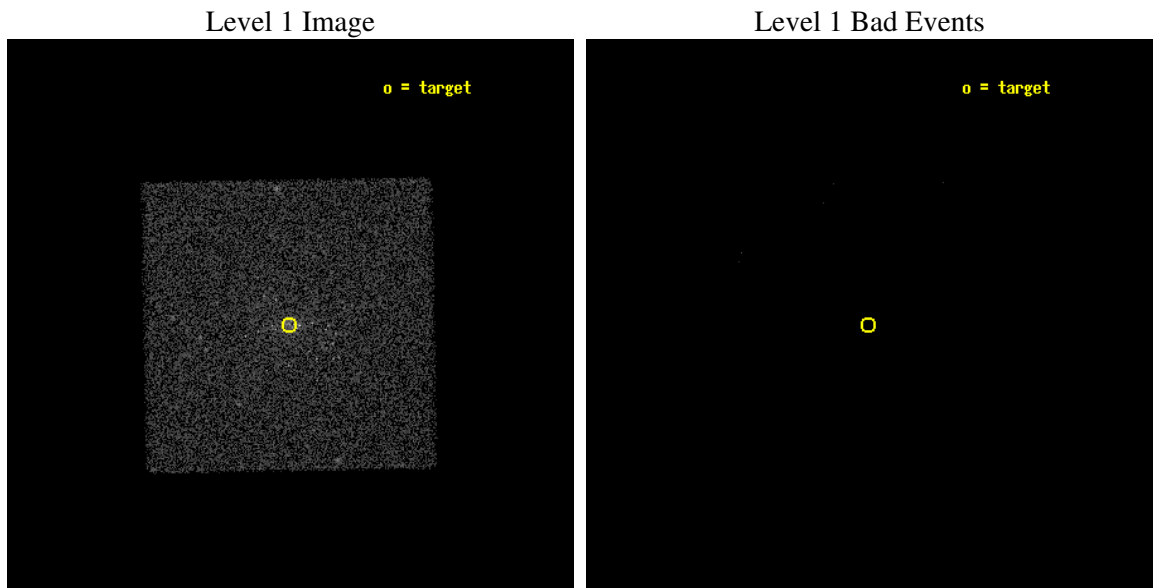
seq_num	600035
obs_id	275
title	MONITORING M31
observer	Dr. Stephen Murray
object	M31 - CENTER
ra_targ	10.685
dec_targ	41.268972
ra_nom	10.682913504536
dec_nom	41.273139606883
roll_nom	134.00231278583
revision	4
ontime	1194.3812947422
livetime	1188.4905932674
l2events	33955



## 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	2007-11-20T13:39:14
revision	4

sched_exp_time	1000.000000
ontime	1194.3812947422
l1events	50465

### 2.1.3 Events

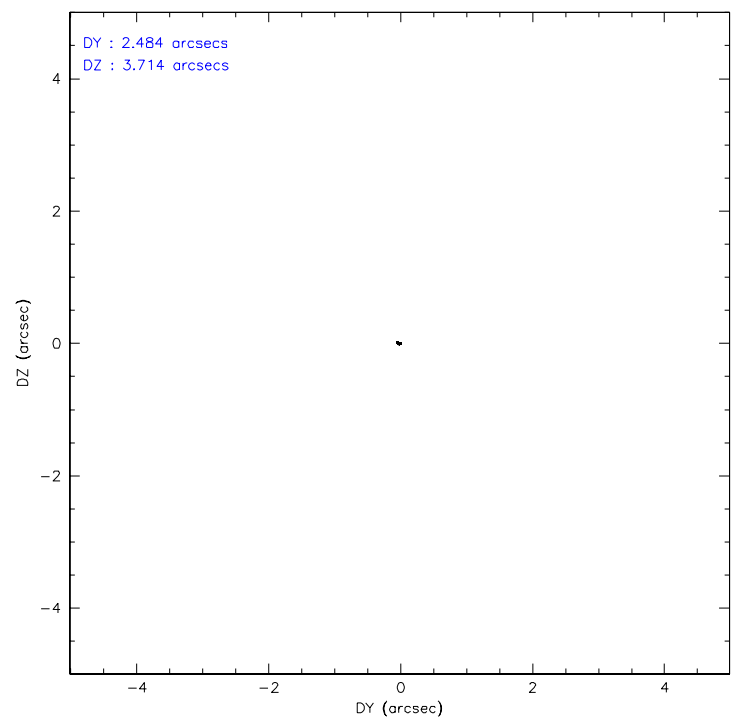
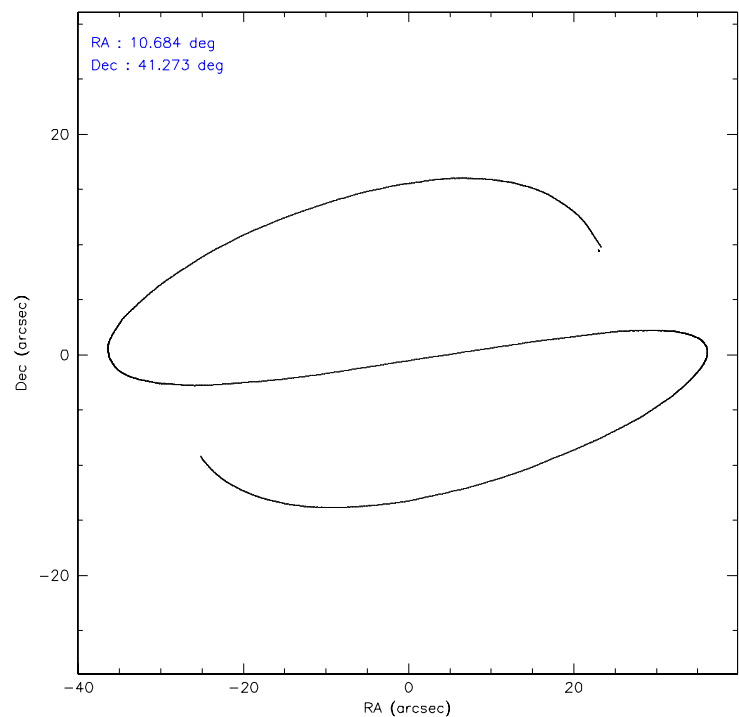
#### Level 1 Events

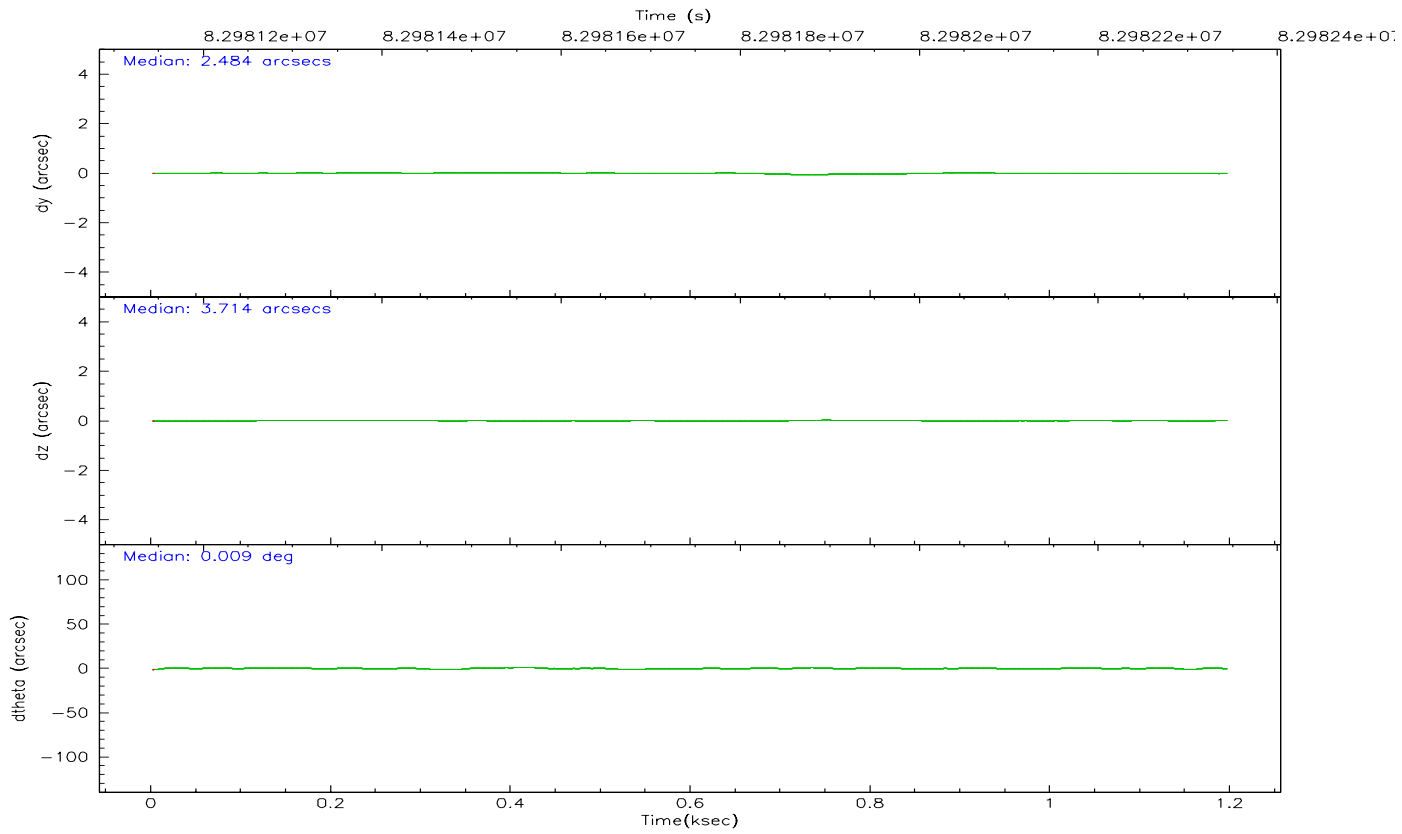
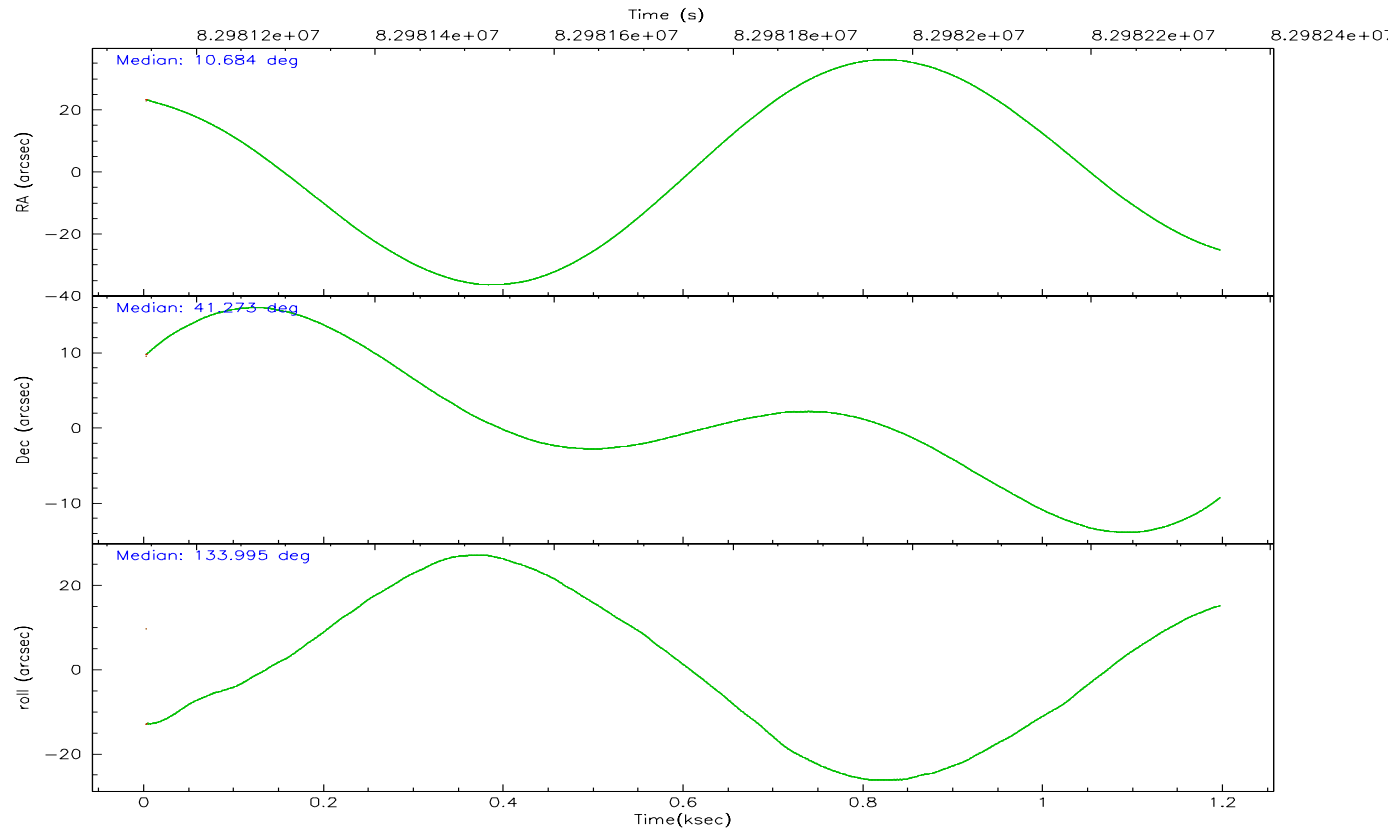
	<b>segment 0</b>
level 1 events	50465
rejected events	1569
rejected %	3%

## 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	10.717859	10.68291350453611			
Pointing Dec	41.265983	41.27313960688256			
Pointing Roll	134.074740	134.0023127858277			
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	82981343.184000	82980966.782612			
Observation start date	2000-08-18T10:21:19	2000-08-18T10:16:06			
Observation end time	82982343.184000	82982476.607669			
Observation end date	2000-08-18T10:37:59	2000-08-18T10:41:16			

2.3 Aspect



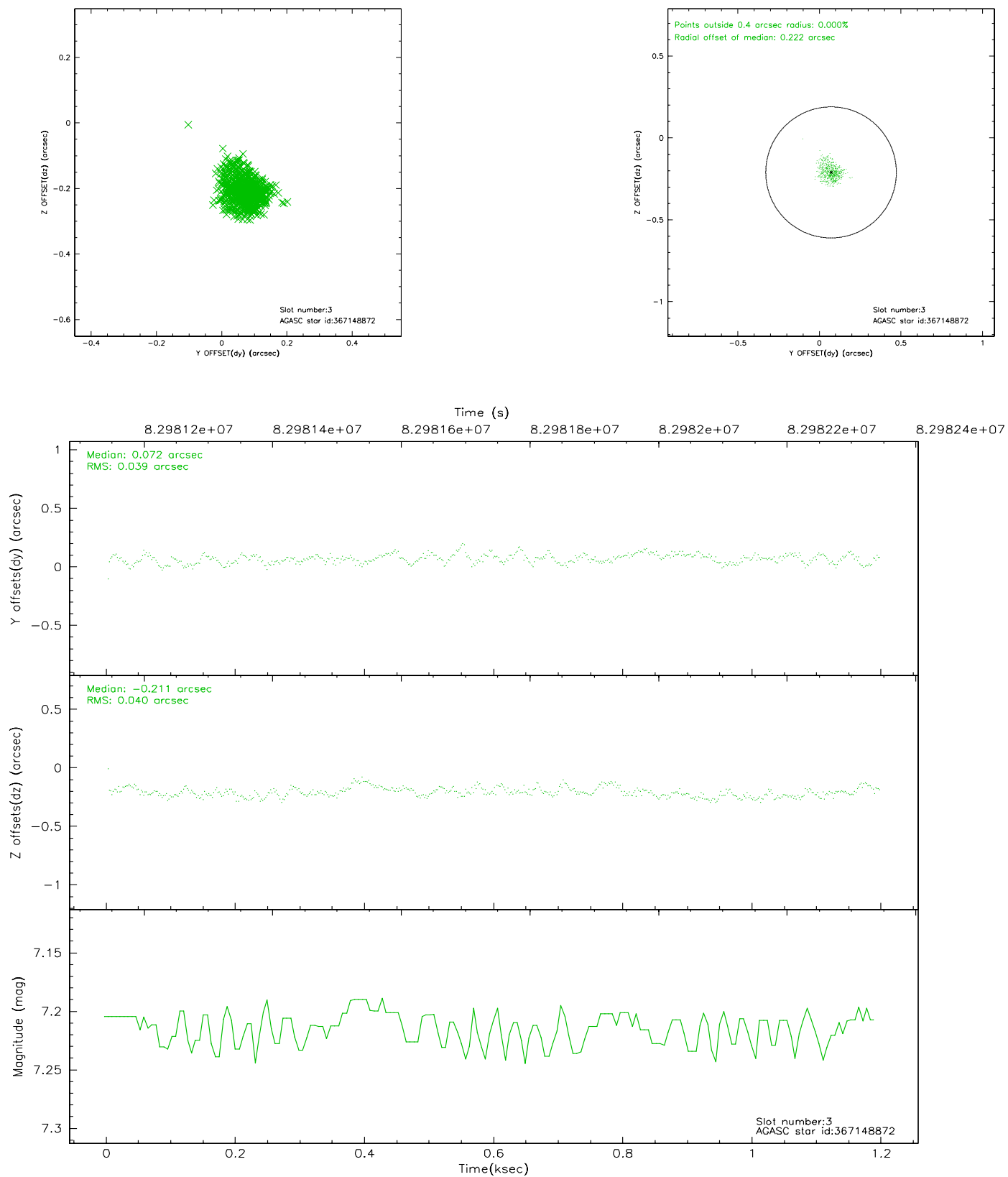


### Slot Statistics

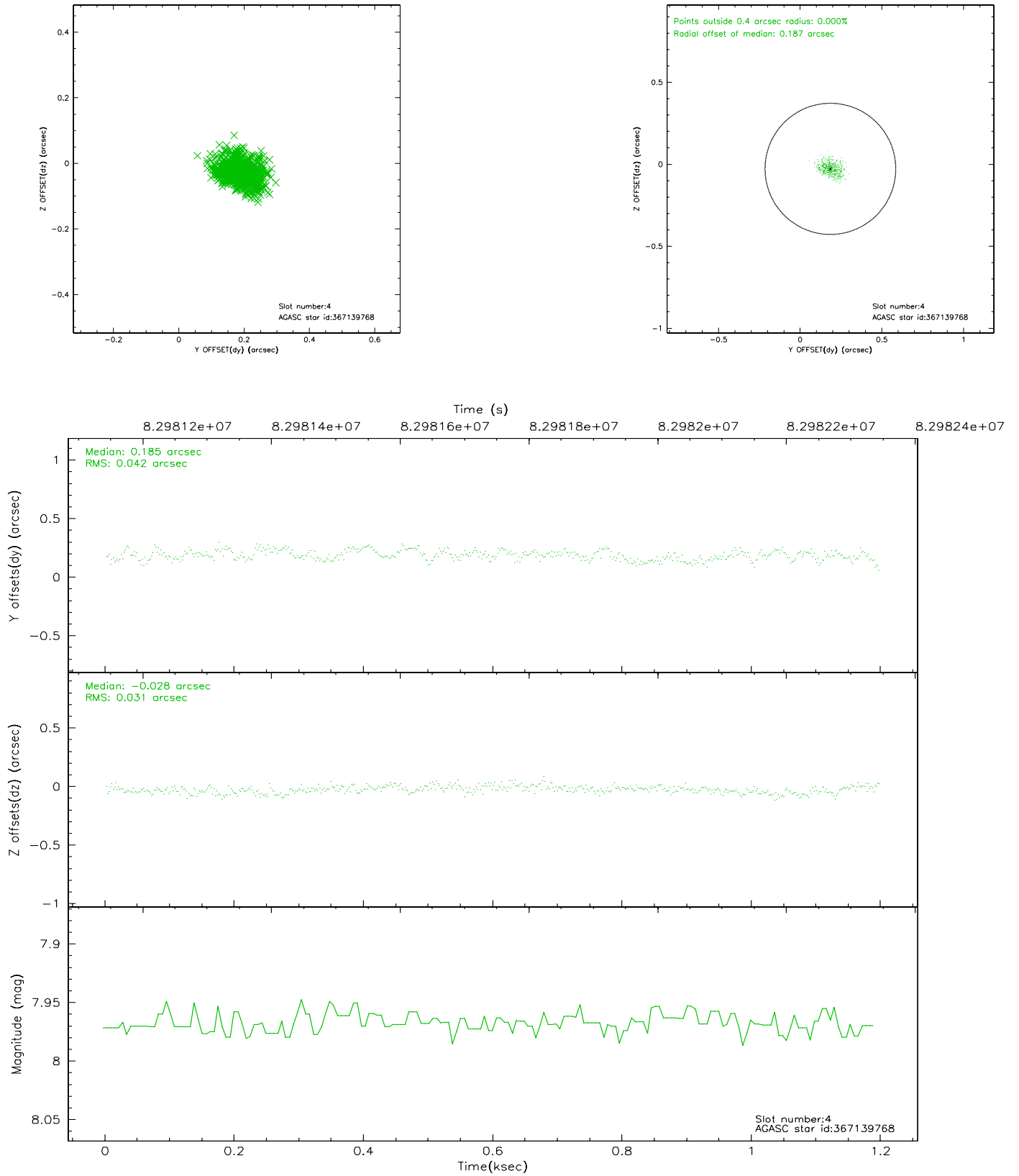
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	292	0.064	0.045	0.006	0.012	0.000000	0.000000	-757.89	-1291.46
1	FID	HRC-I-3	7.04	292	0.025	-0.066	0.007	0.011	0.000000	0.000000	-1188.99	1008.57
2	FID	HRC-I-4	6.98	292	0.025	-0.068	0.005	0.008	0.000000	0.000000	1280.82	1014.02
3	GUIDE	367148872	7.21	584	0.072	-0.211	0.060	0.094	10.505940	40.688258	-1090.02	1862.57
4	GUIDE	367139768	7.97	584	0.185	-0.028	0.057	0.087	11.069715	40.685175	-2169.25	766.96
5	GUIDE	367674552	8.85	584	-0.042	0.158	0.068	0.108	11.016238	41.570845	228.34	-1339.22
6	GUIDE	367671800	9.42	584	-0.200	0.187	0.088	0.142	10.554735	41.964935	2113.64	-1437.75
7	GUIDE	367658664	9.60	582	-0.017	-0.128	0.085	0.134	10.374070	41.369746	920.82	404.76

## 2.4 Star Slots

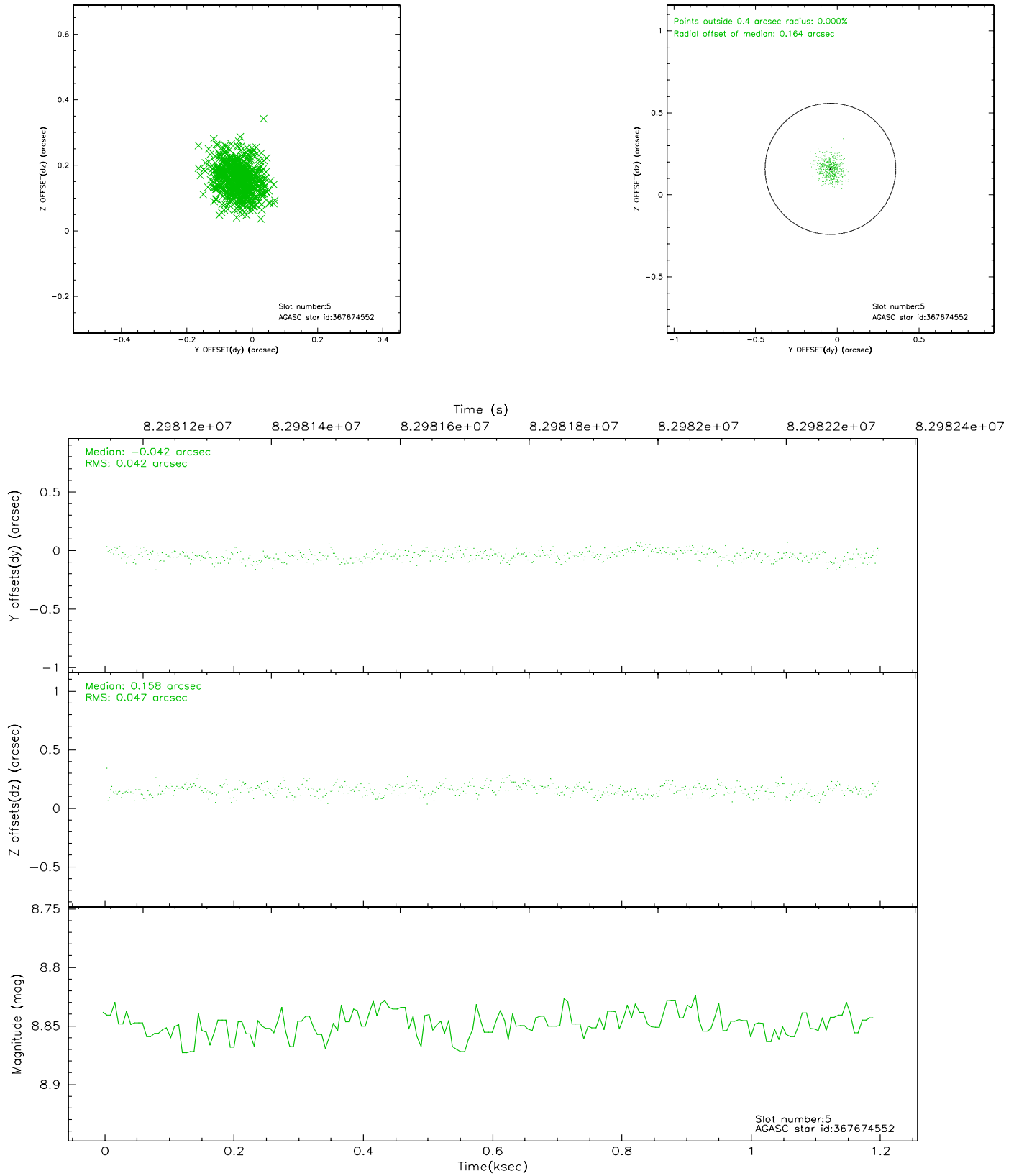
### 2.4.1 Slot 3



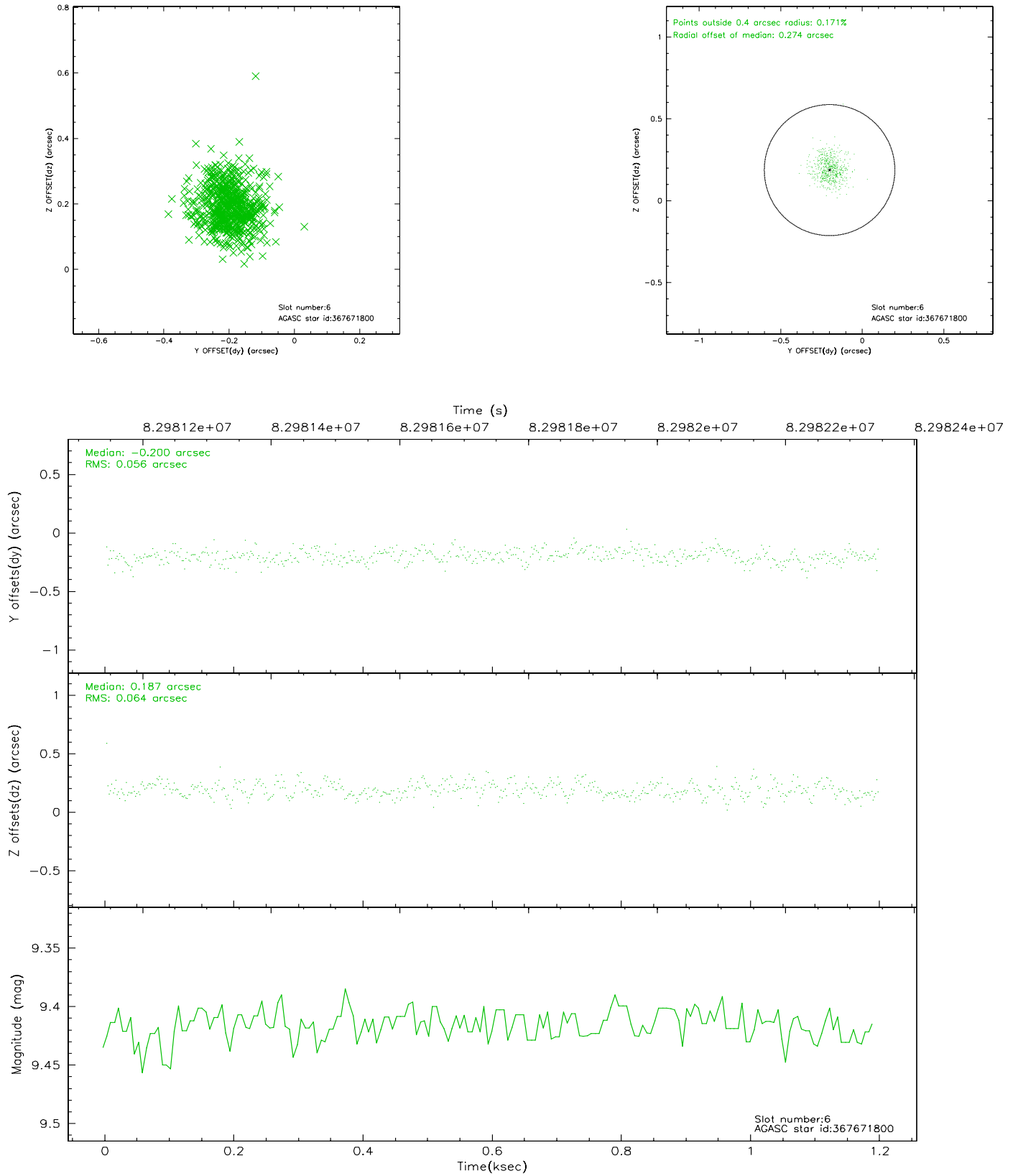
## 2.4.2 Slot 4



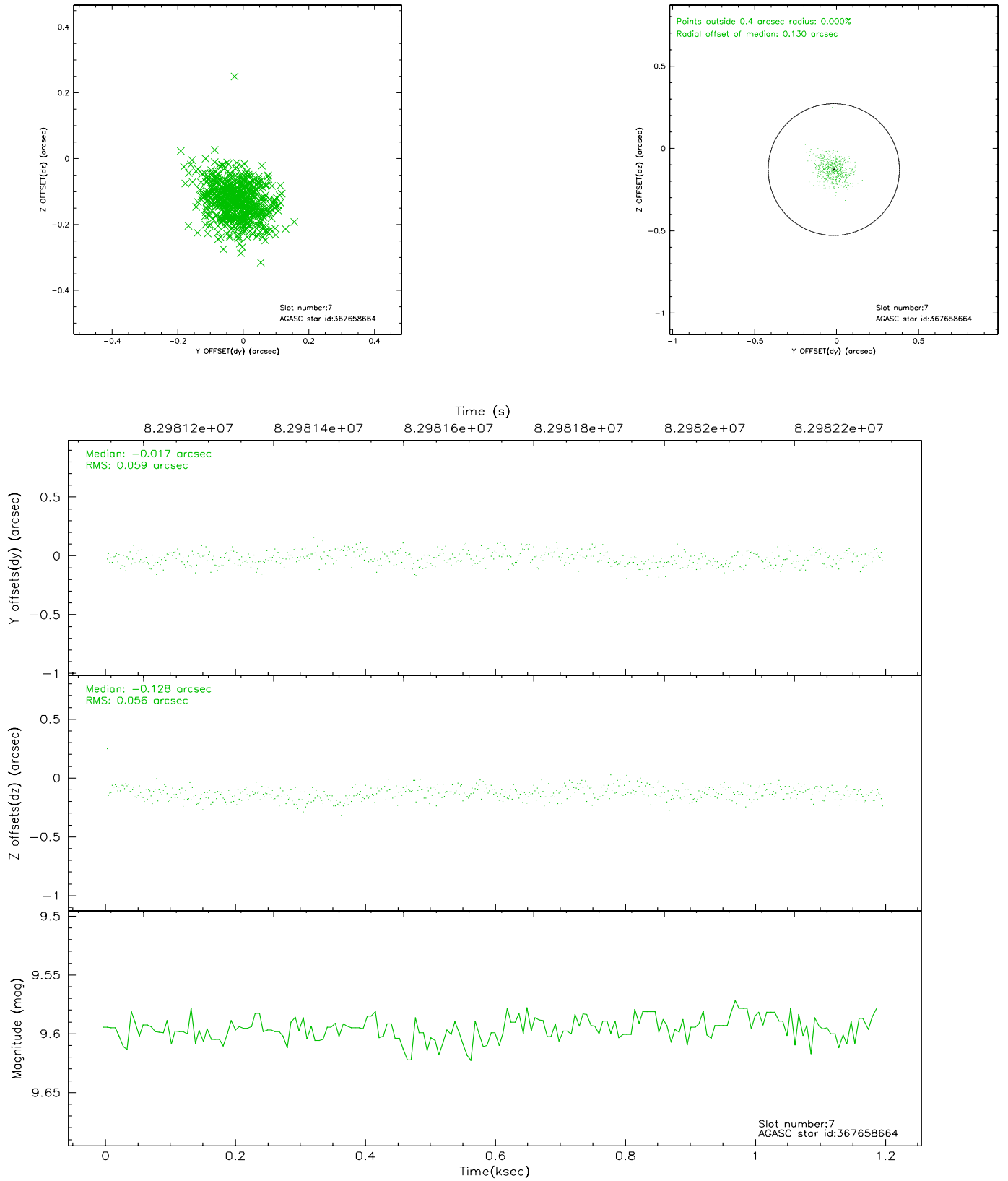
### 2.4.3 Slot 5



## 2.4.4 Slot 6

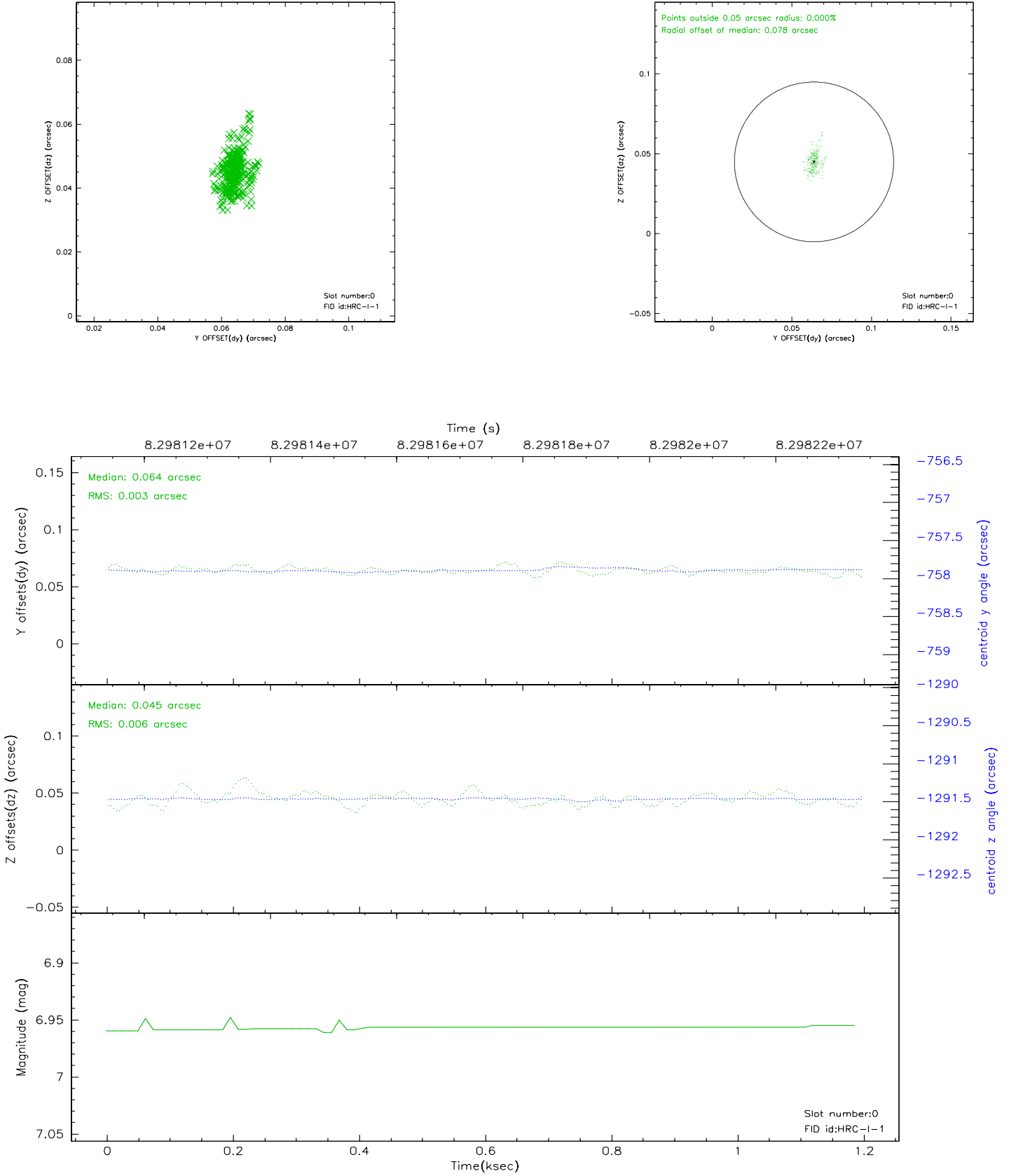


## 2.4.5 Slot 7

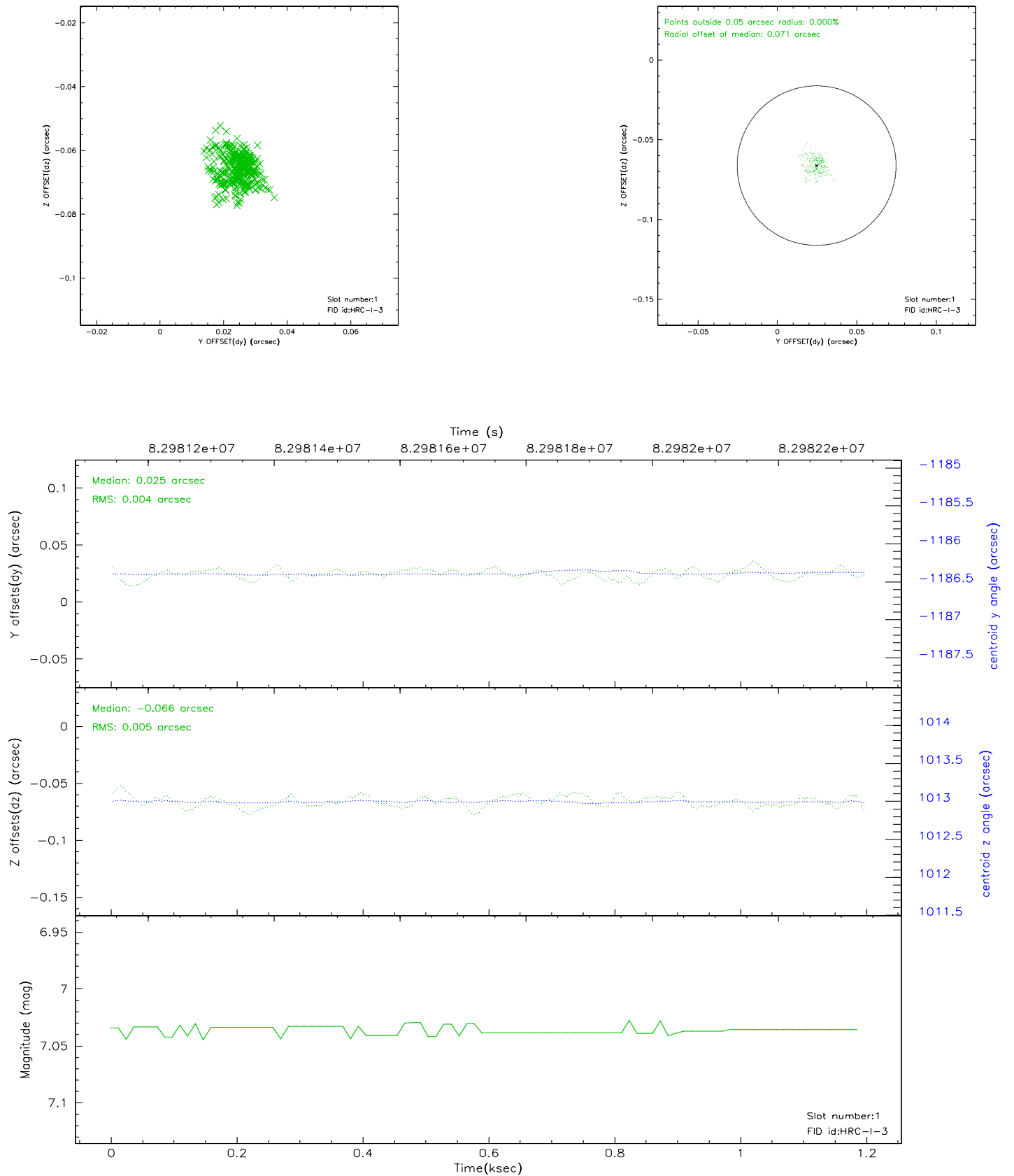


## 2.5 FID Slots

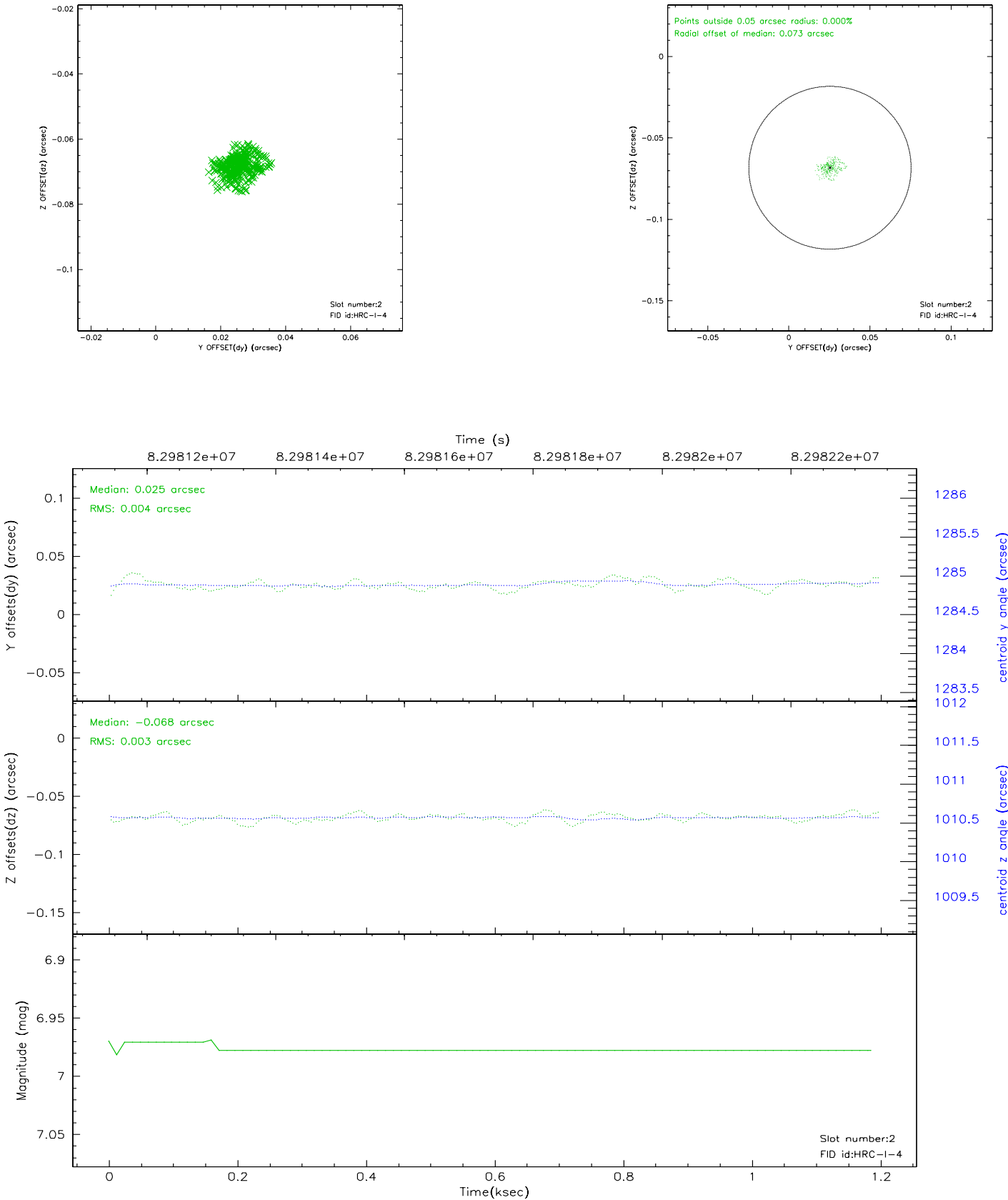
### 2.5.1 Slot 0



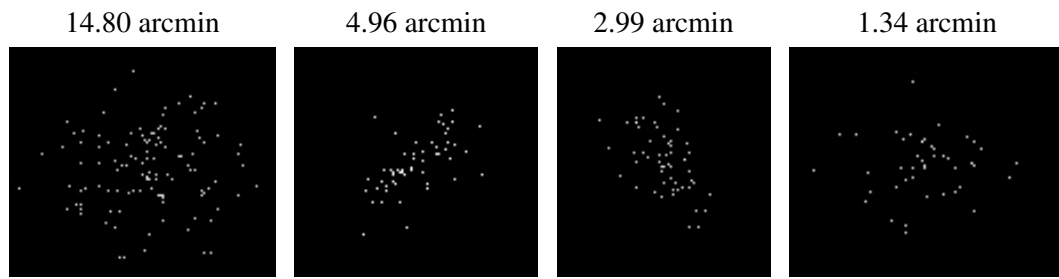
## 2.5.2 Slot 1



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	1.194

### 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.