

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2910 - L2 Version 3  
Chandra X-Ray Center

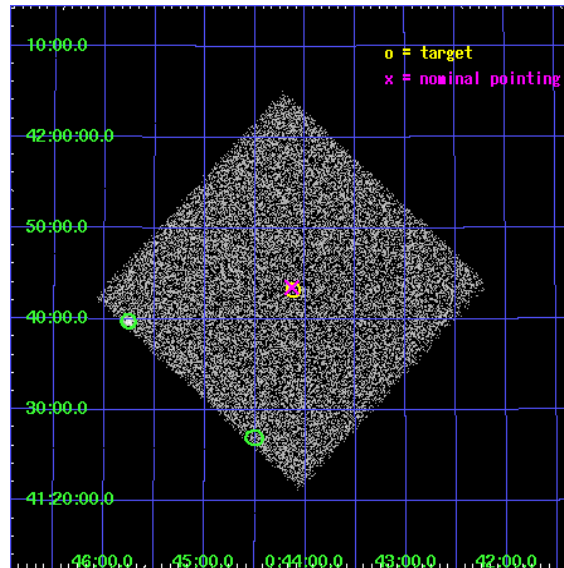
L2 Processing Date : Nov 21 2007

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# 1 Front

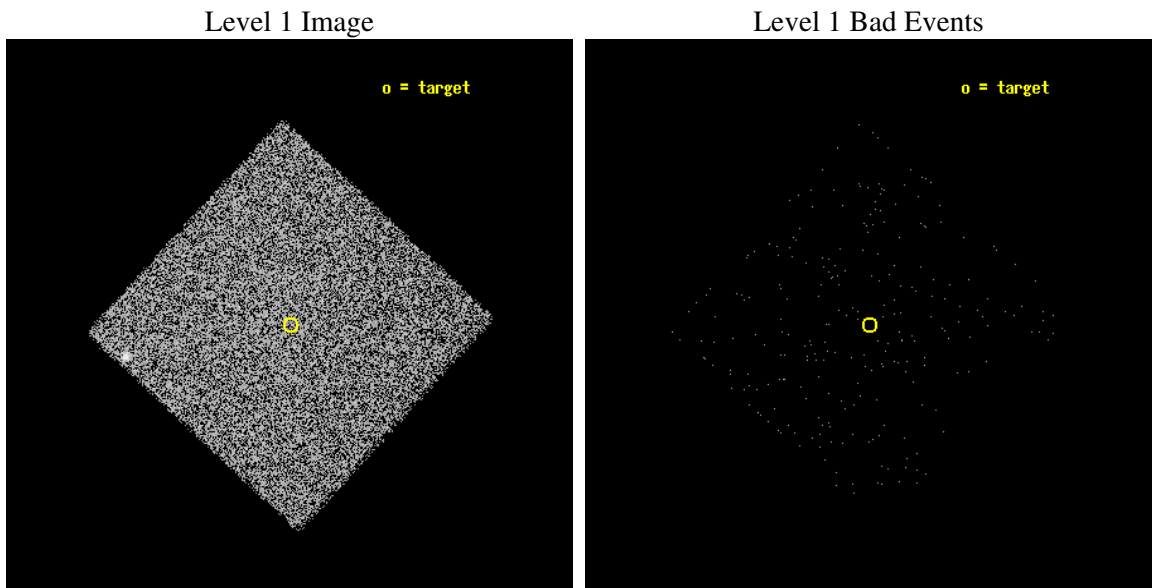
seq_num	600247
obs_id	2910
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-N1
ra_targ	11.029167
dec_targ	41.721
ra_nom	11.032995973323
dec_nom	41.725181742475
roll_nom	87.807340175537
revision	3
ontime	1202.5812991261
livetime	1196.4019255186
l2events	31114



## 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	2007-11-21T21:48:56
revision	3

sched_exp_time	1000.000000
ontime	1202.5812991261
l1events	58759

### 2.1.3 Events

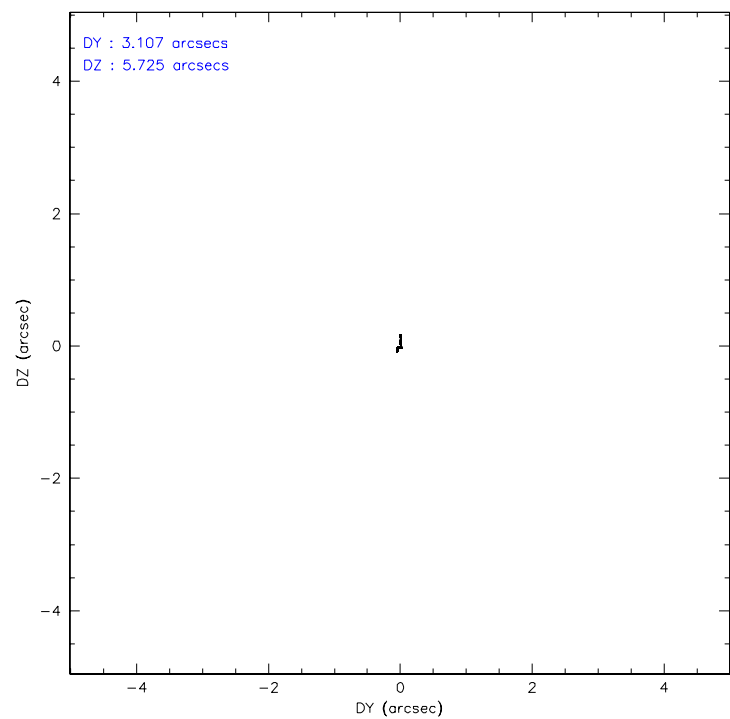
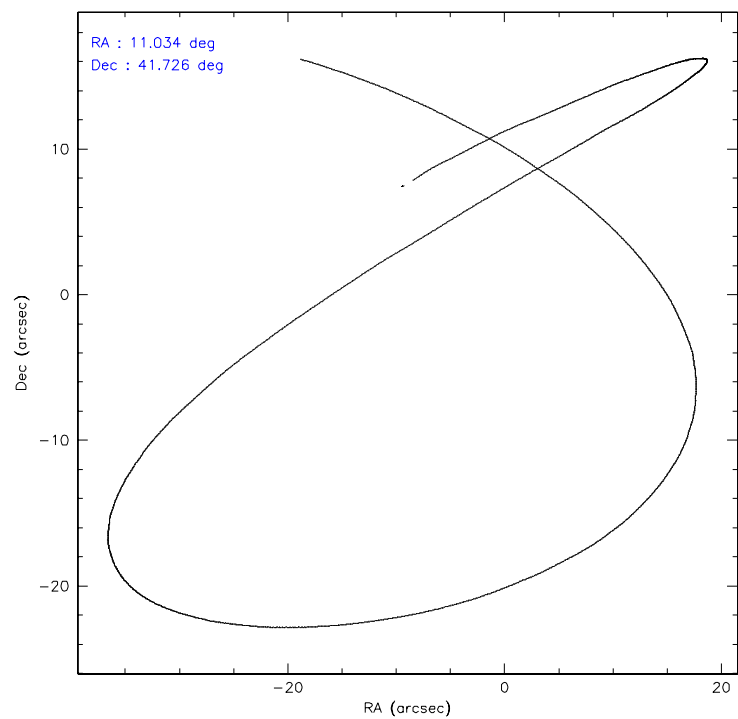
#### Level 1 Events

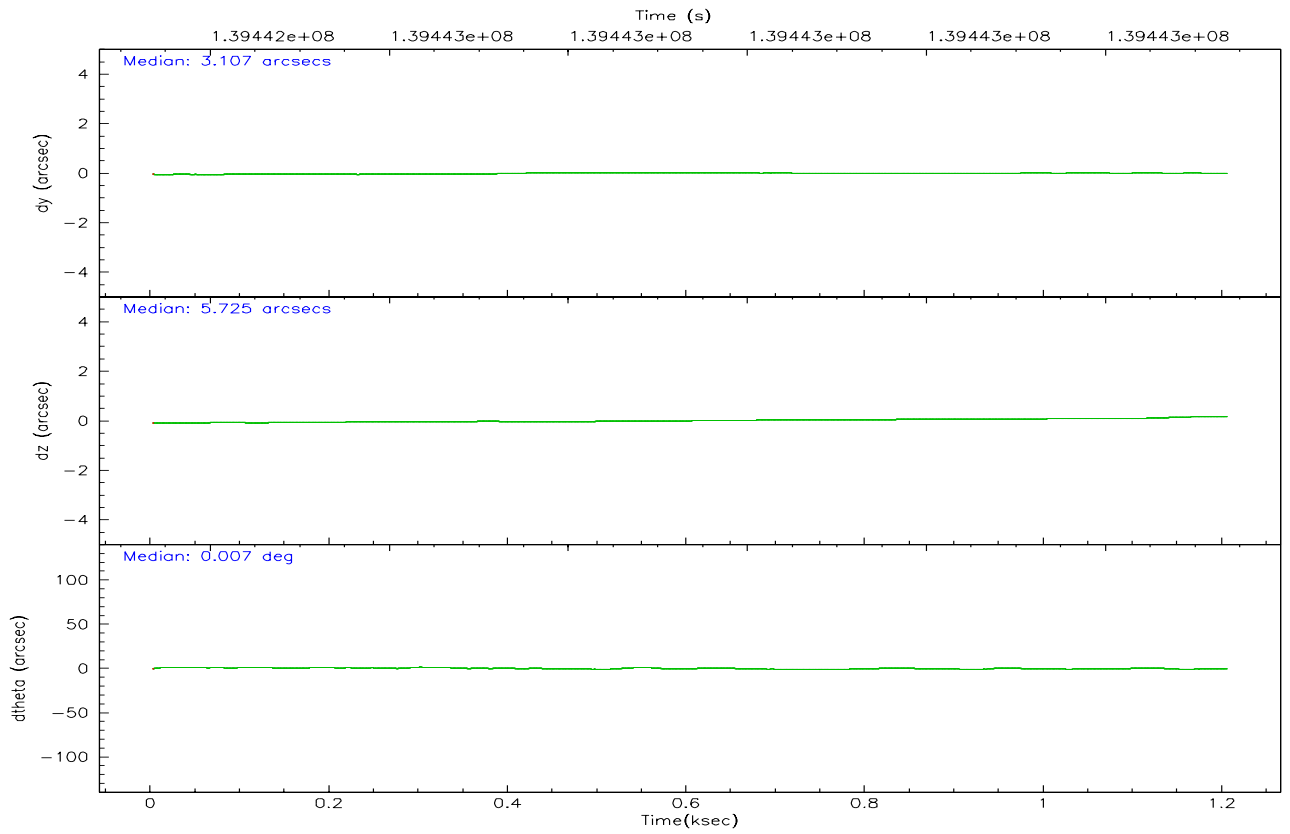
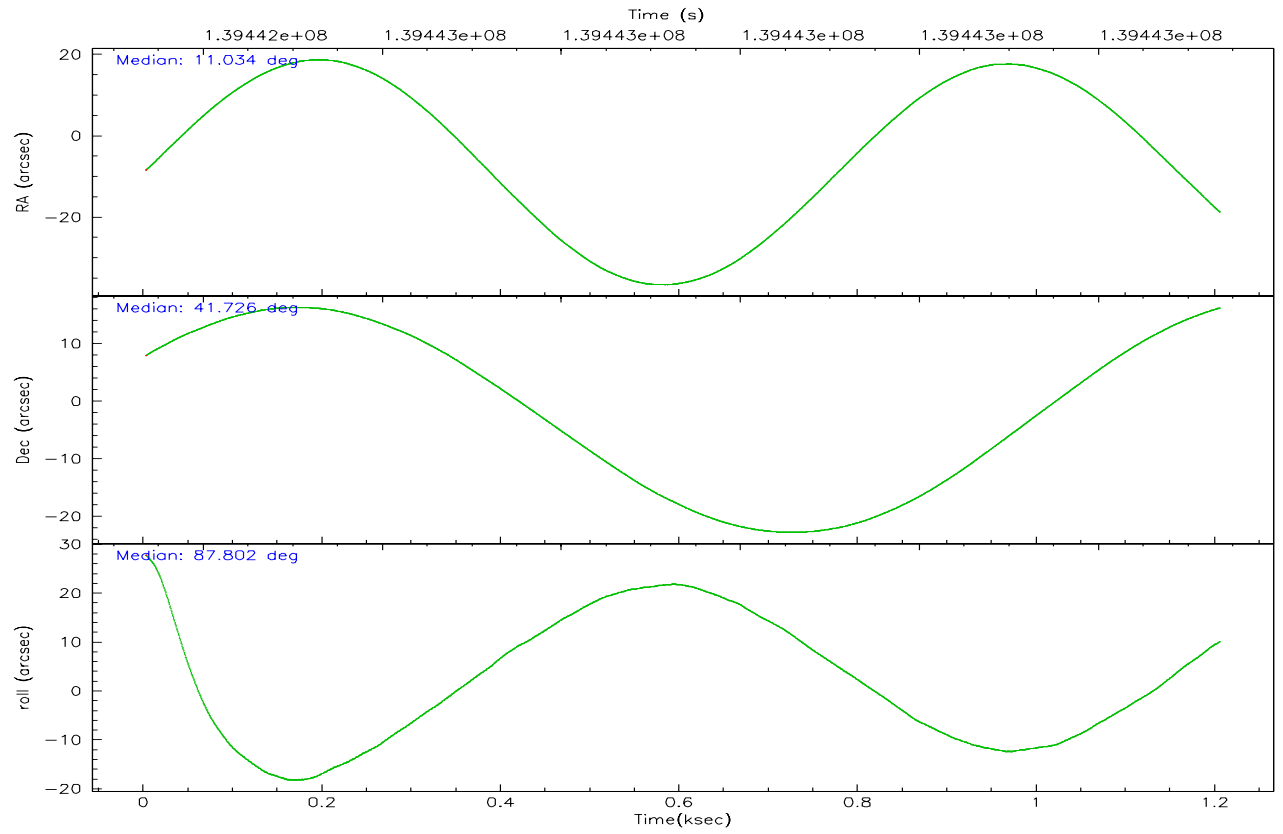
	<b>segment 0</b>
level 1 events	58759
rejected events	12135
rejected %	20%

## 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	11.049186	11.03299597332255			
Pointing Dec	41.701109	41.72518174247456			
Pointing Roll	87.891795	87.80734017553679			
Window start time	138844864.184000	138844864.184000			
Window stop time	139363264.184000	139363264.184000			
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	139442542.184000	139442166.37215			
Observation start date	2002-06-02T22:01:18	2002-06-02T21:56:06			
Observation end time	139443542.184000	139443676.19721			
Observation end date	2002-06-02T22:17:58	2002-06-02T22:21:16			

2.3 Aspect





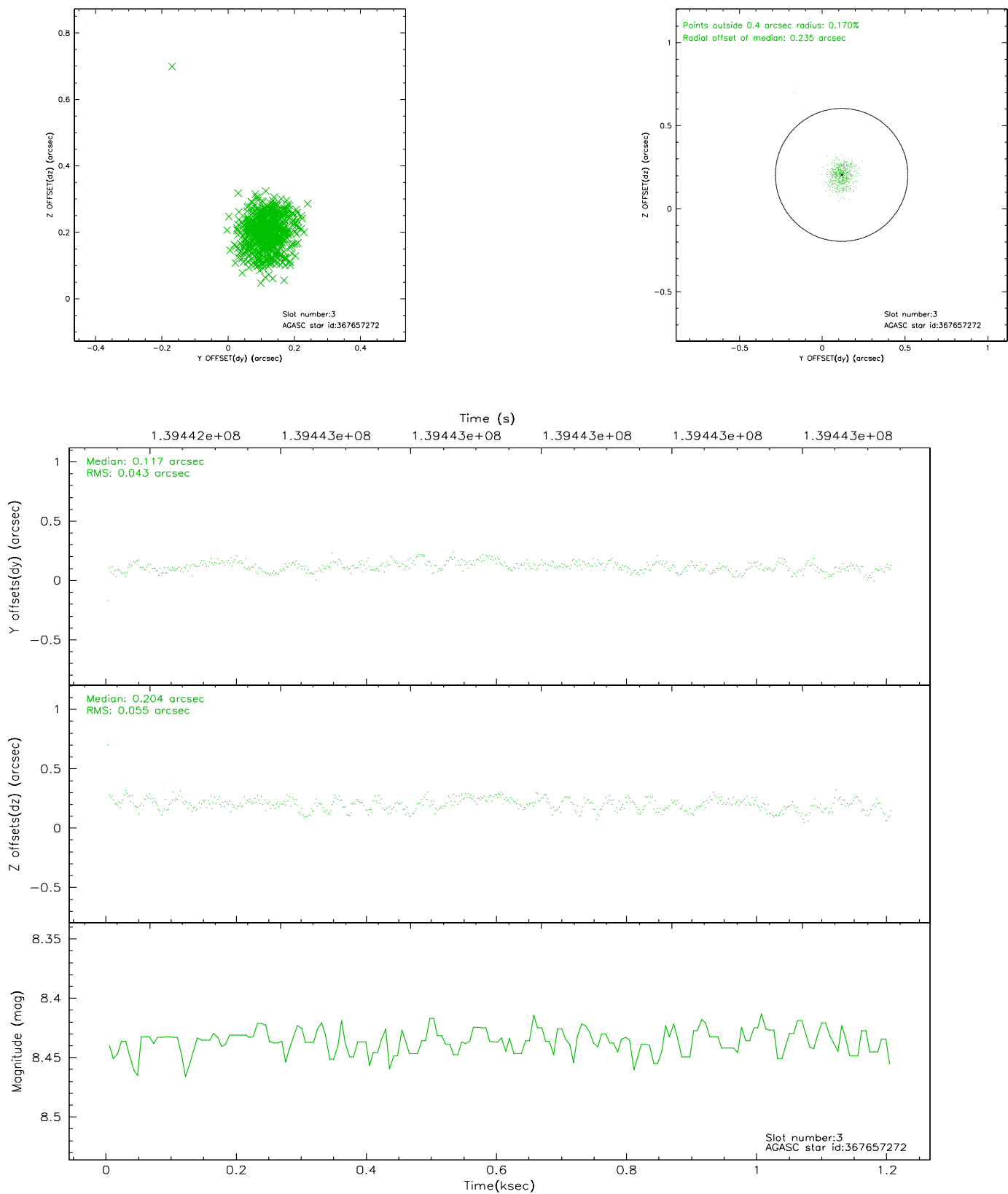
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	294	0.001	0.022	0.006	0.012	0.000000	0.000000	-758.54	-1293.54
1	FID	HRC-I-2	7.01	294	0.066	-0.027	0.006	0.010	0.000000	0.000000	851.57	-1299.52
2	FID	HRC-I-3	7.06	294	0.052	-0.084	0.006	0.012	0.000000	0.000000	-1184.14	1006.48
3	GUIDE	367657272	8.44	588	0.117	0.204	0.072	0.110	11.834471	41.298907	-1360.31	-2170.31
4	GUIDE	367665384	8.80	588	-0.203	-0.125	0.067	0.108	10.414363	42.275730	2007.29	1767.54
5	GUIDE	367657368	8.65	588	0.044	0.258	0.089	0.163	11.928227	41.287266	-1387.06	-2422.53
6	GUIDE	367671800	9.40	588	-0.090	-0.056	0.083	0.134	10.554735	41.964935	900.32	1358.60
7	GUIDE	367658664	9.61	587	0.131	-0.282	0.109	0.173	10.374070	41.369746	-1251.92	1786.01

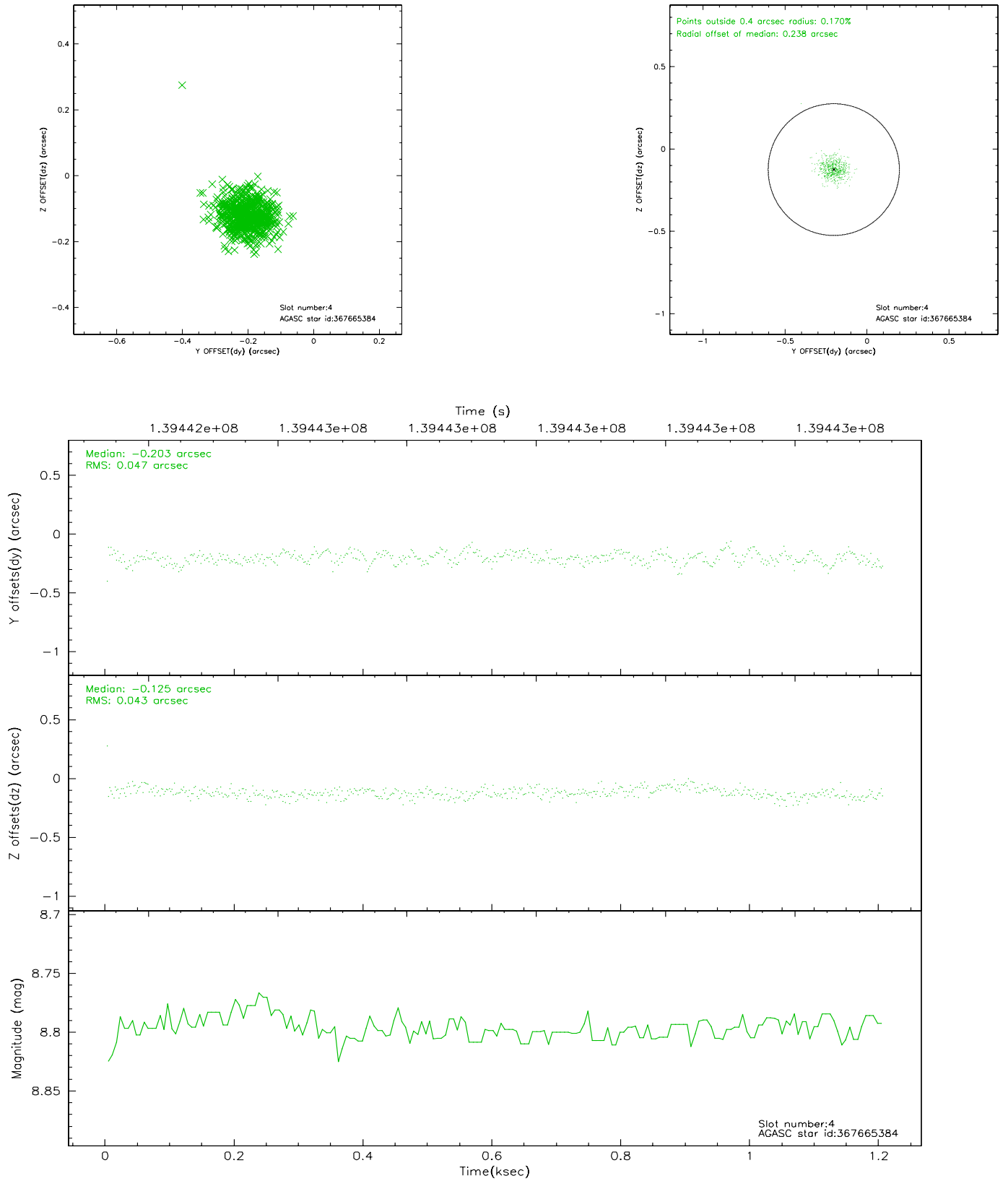


## 2.4 Star Slots

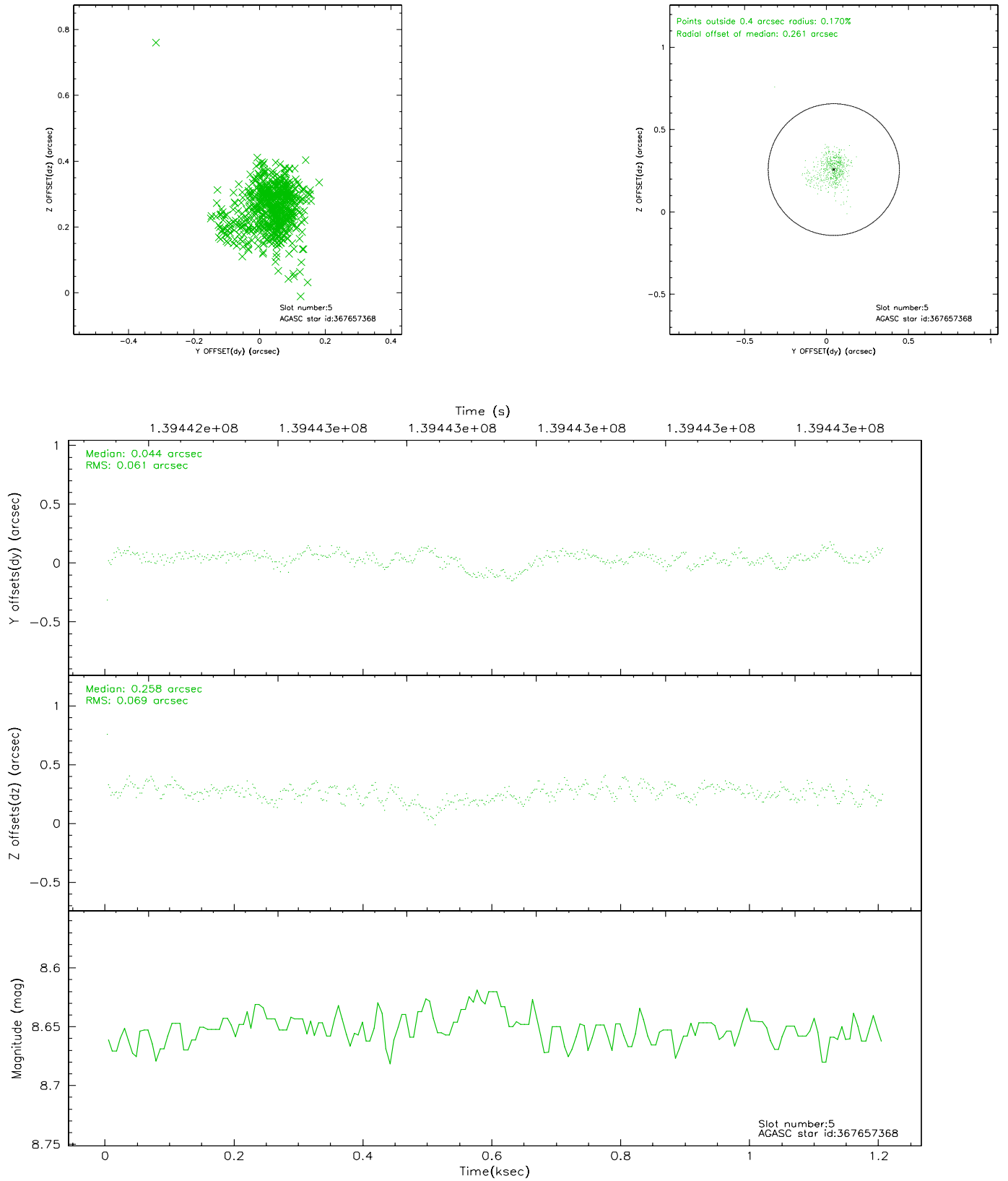
### 2.4.1 Slot 3



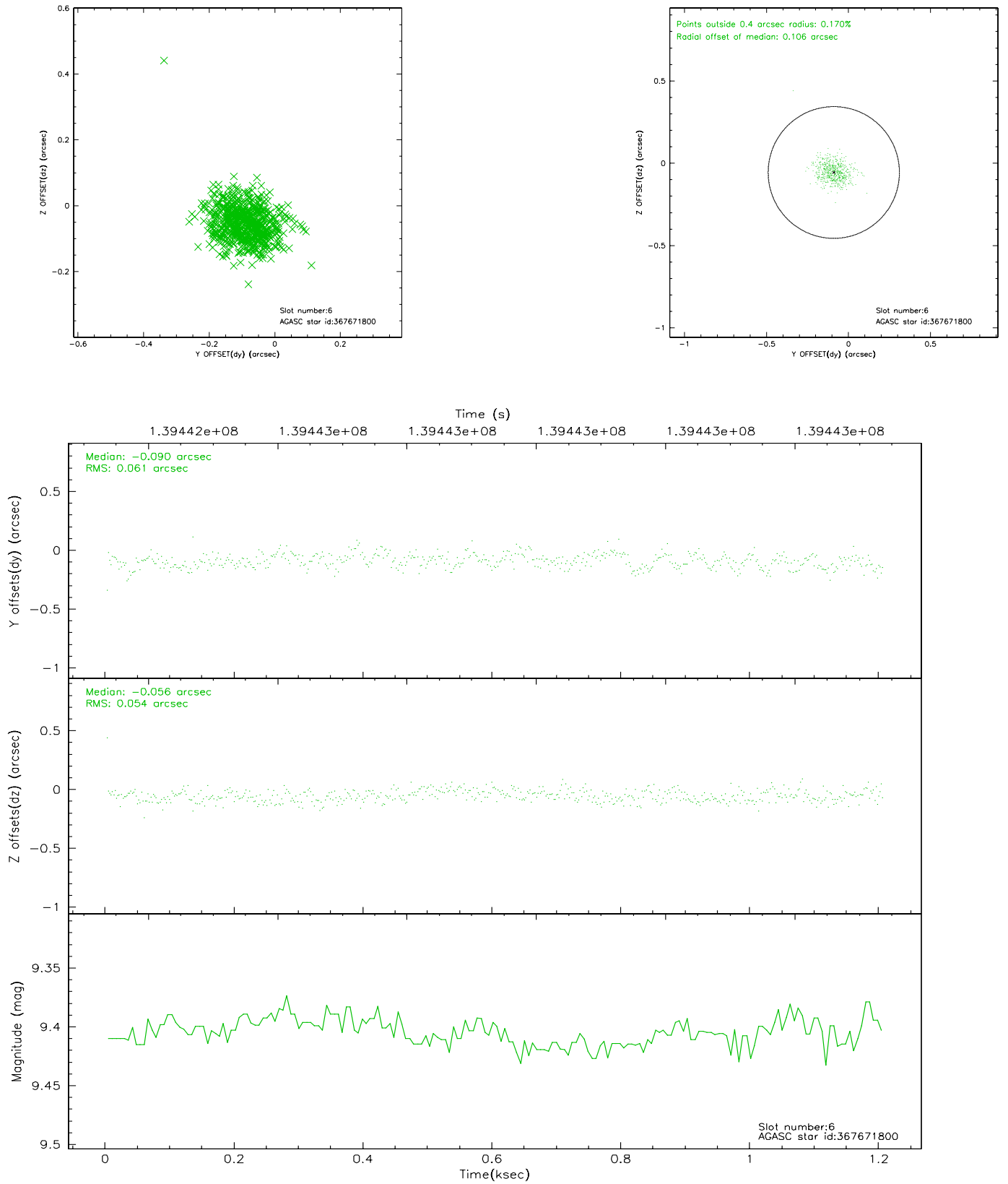
## 2.4.2 Slot 4



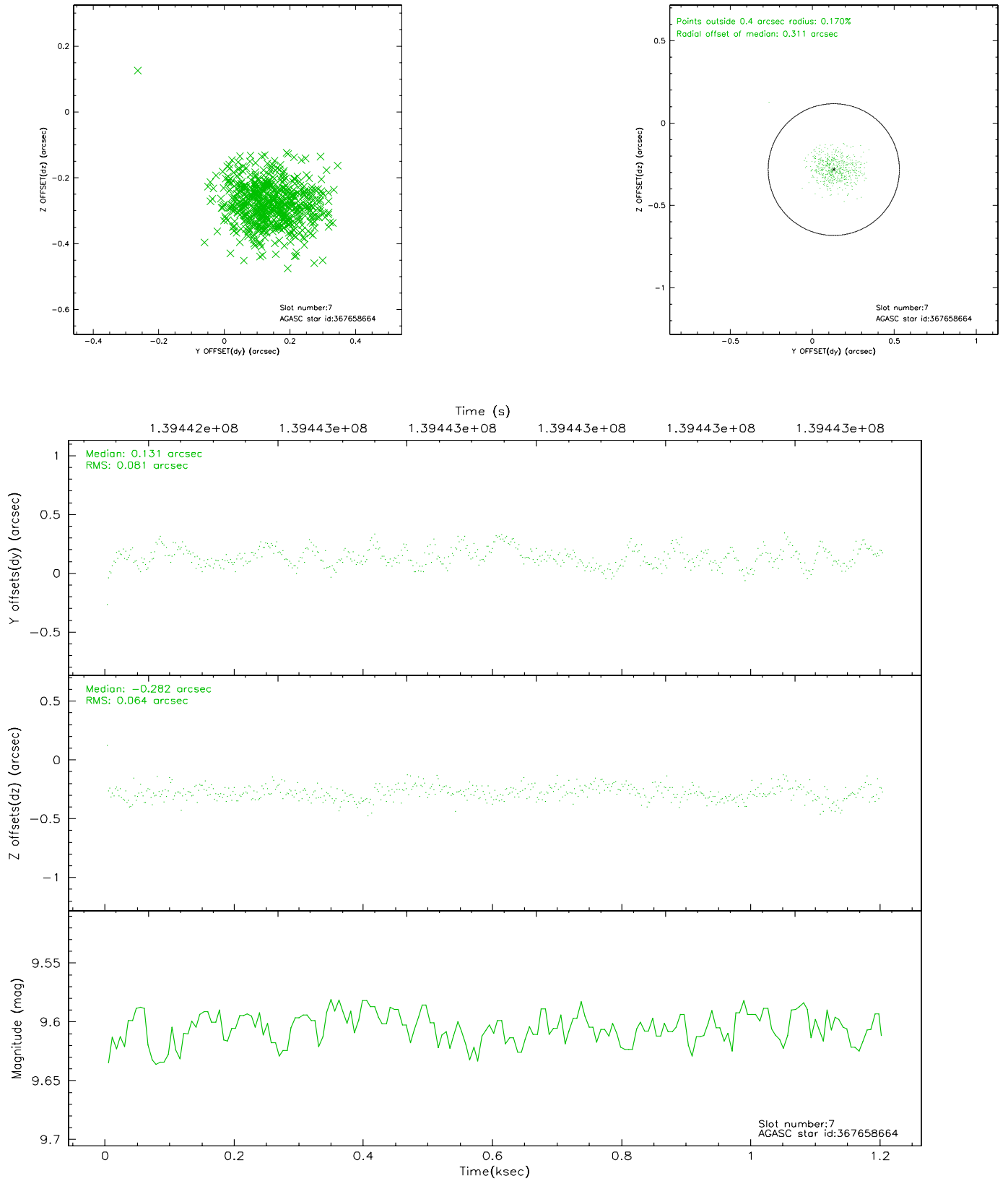
### 2.4.3 Slot 5



## 2.4.4 Slot 6

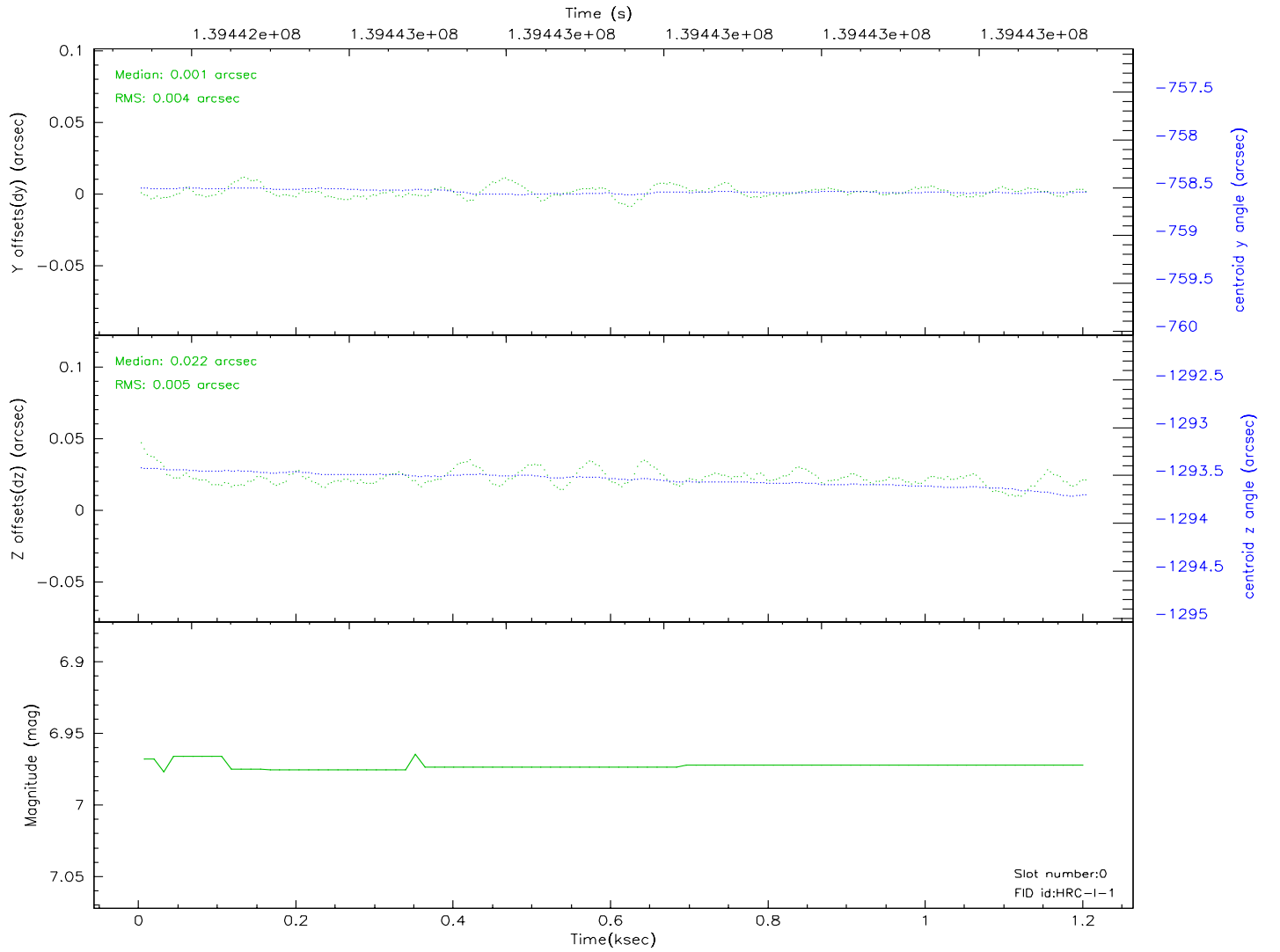
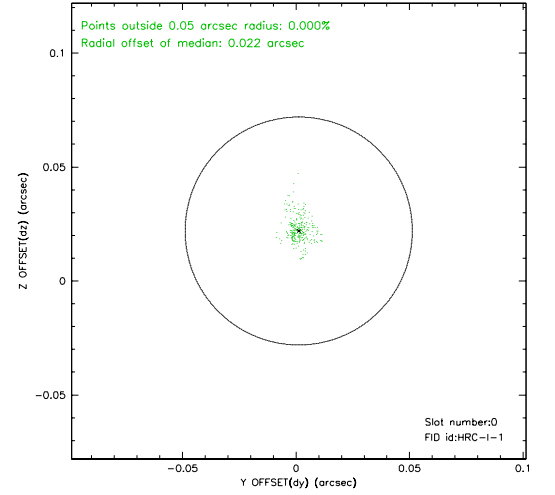
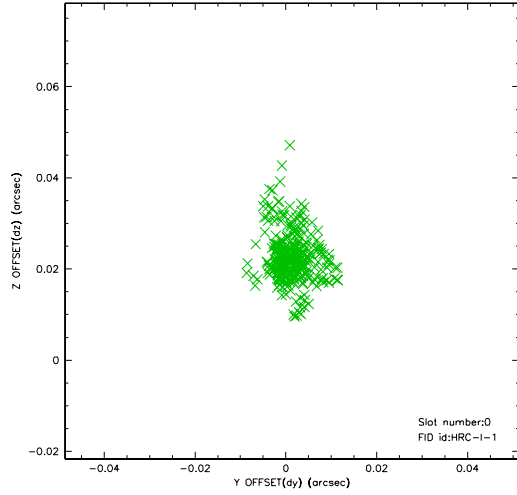


## 2.4.5 Slot 7

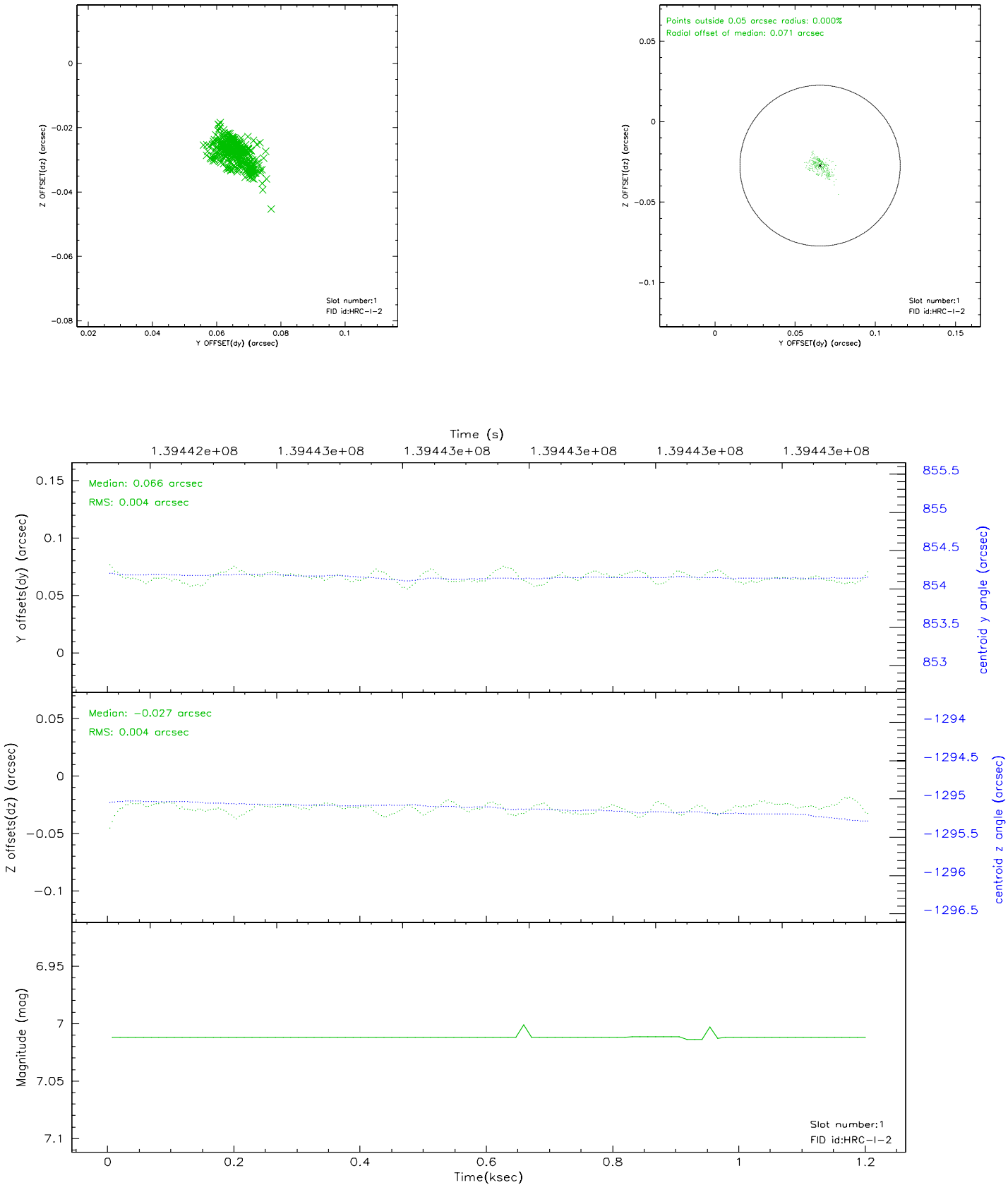


## 2.5 FID Slots

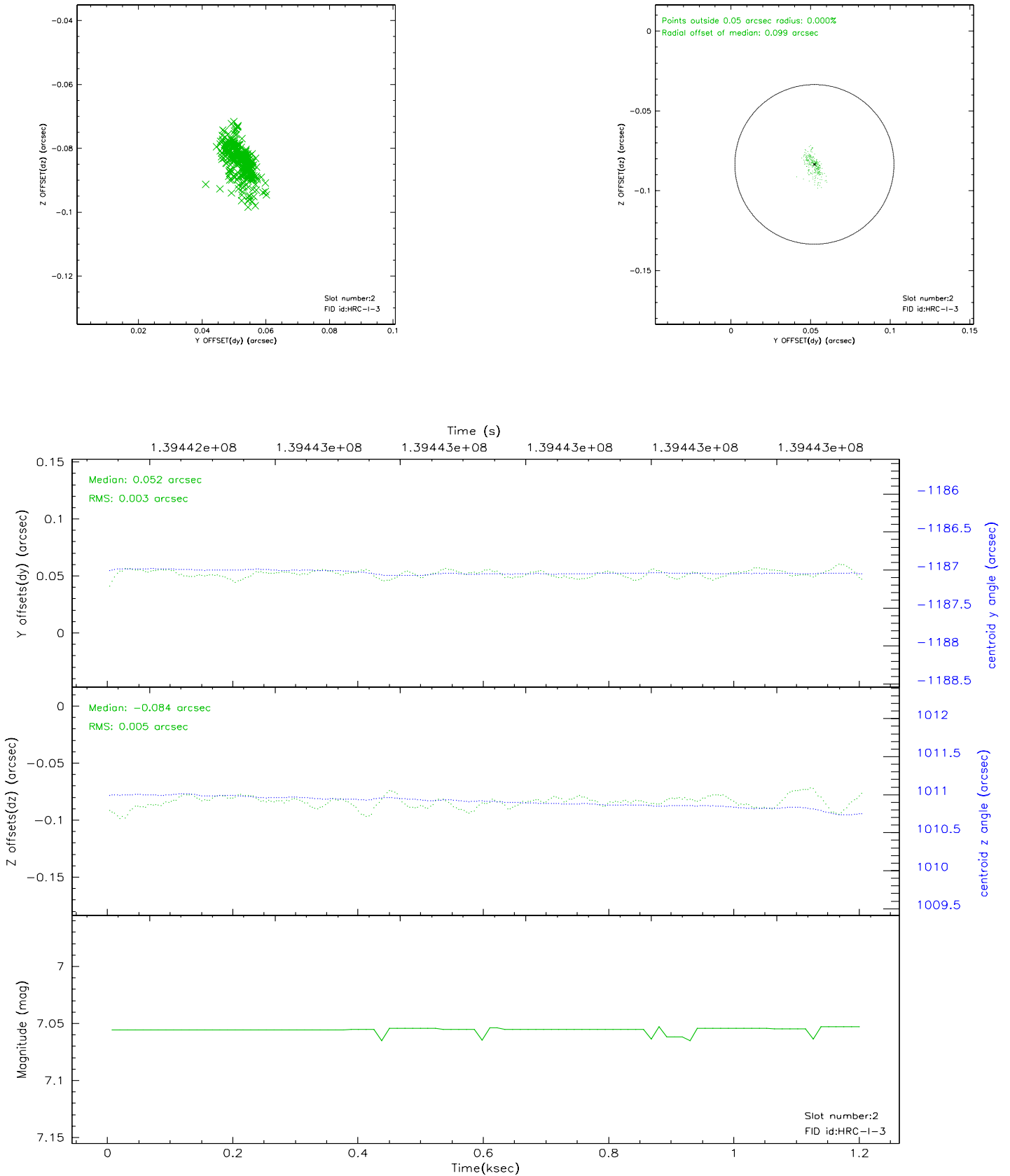
### 2.5.1 Slot 0



2.5.2 Slot 1

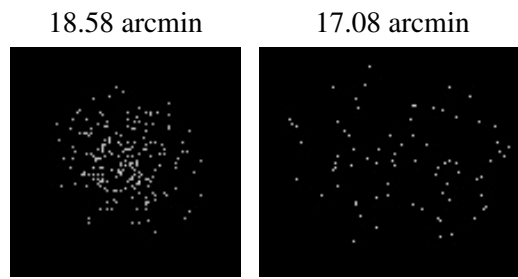


## 2.5.3 Slot 2





### 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	1.202

## A.2 Comments

Window constraint not met.

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.