

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2907 - L2 Version 3  
Chandra X-Ray Center

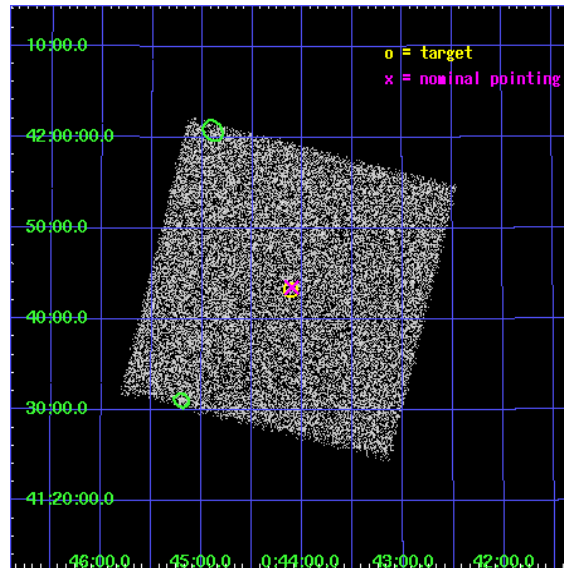
L2 Processing Date : Nov 20 2007

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# 1 Front

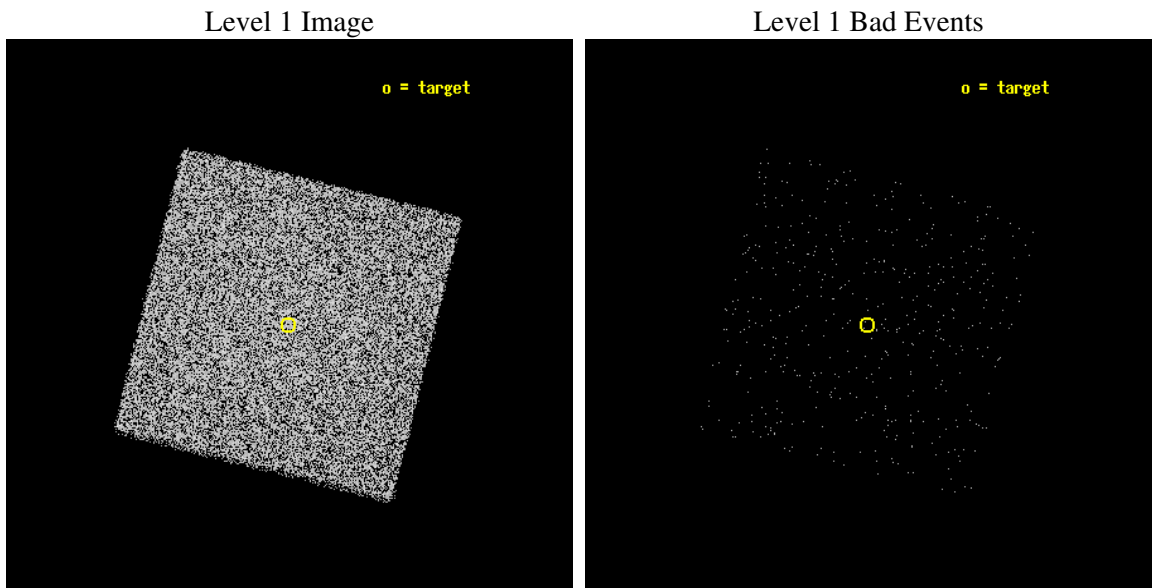
seq_num	600244
obs_id	2907
title	SEARCHING FOR X-RAY TRANSIENTS IN M31 WITH CHANDRA AND HST
observer	Dr. MICHAEL GARCIA
object	M31-N1
ra_targ	11.029167
dec_targ	41.721
ra_nom	11.025914462687
dec_nom	41.725417933082
roll_nom	149.00744482894
revision	3
ontime	1186.181296885
livetime	1179.7106958064
l2events	35603



## 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	2007-11-20T19:21:03
revision	3

sched_exp_time	1000.000000
ontime	1186.181296885
l1events	66894

### 2.1.3 Events

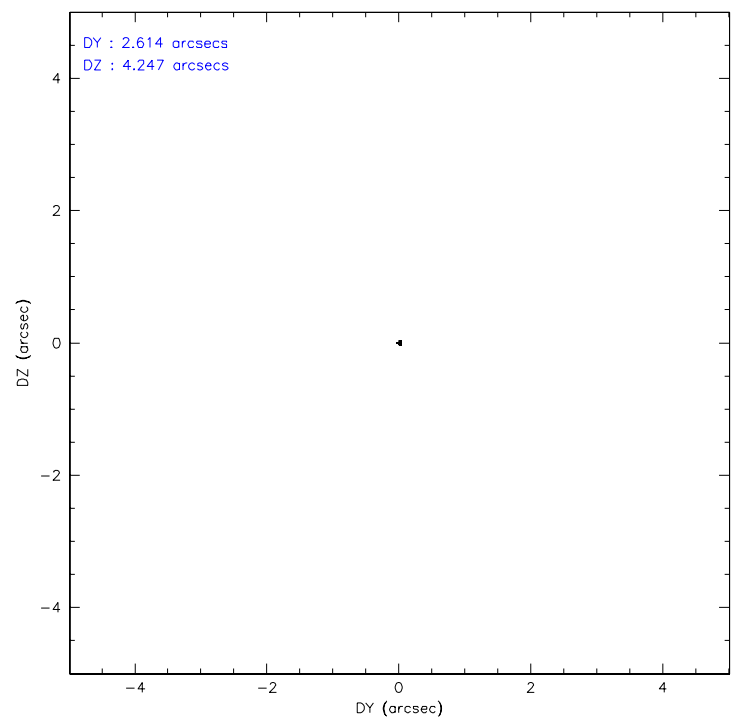
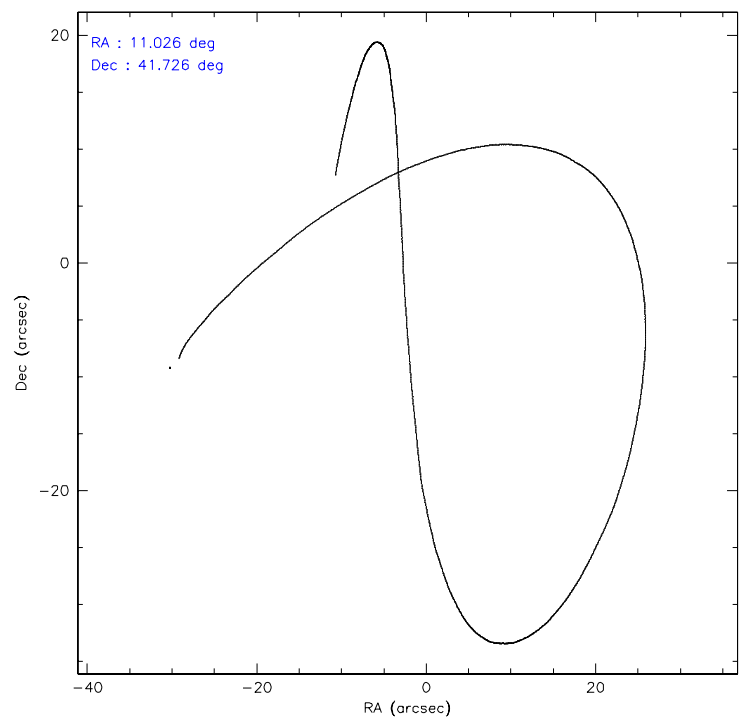
#### Level 1 Events

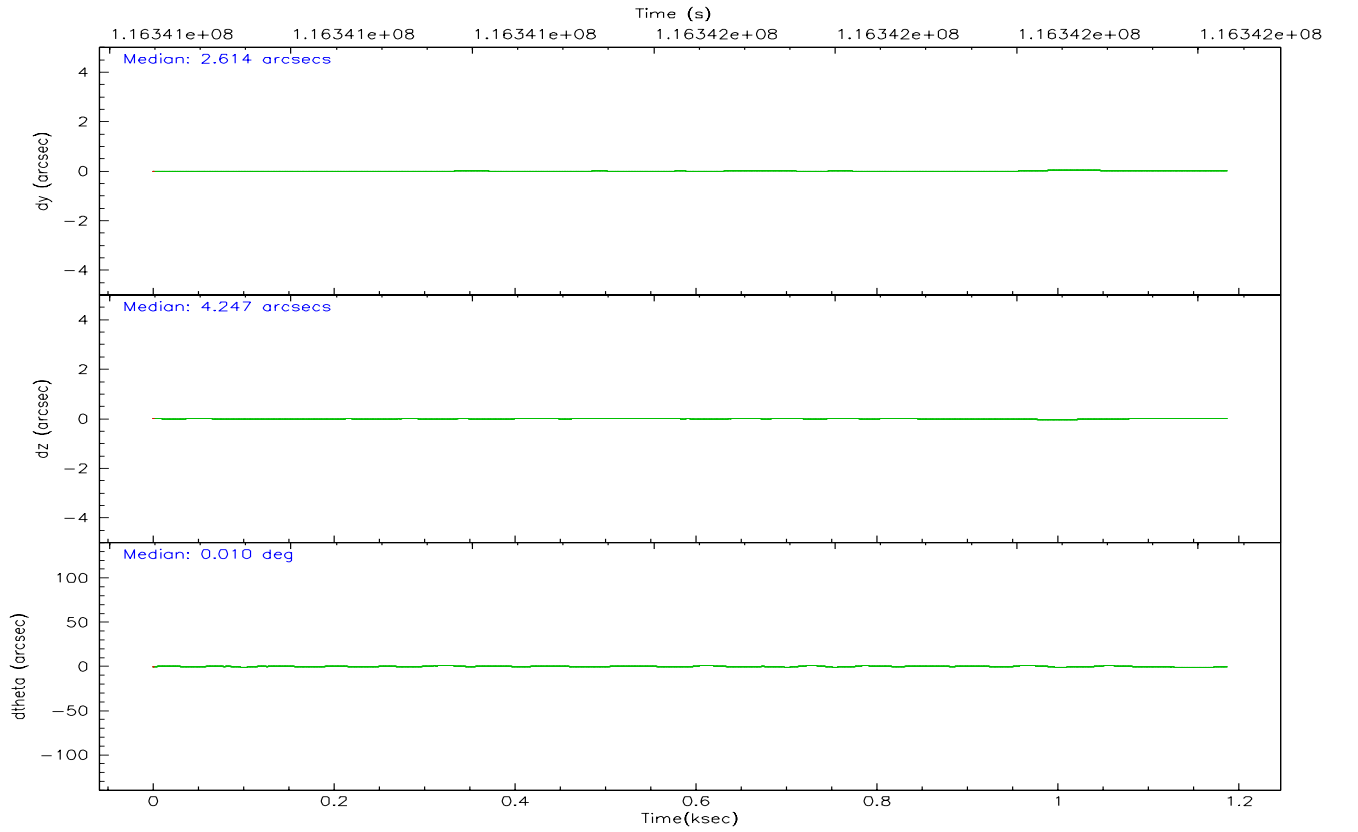
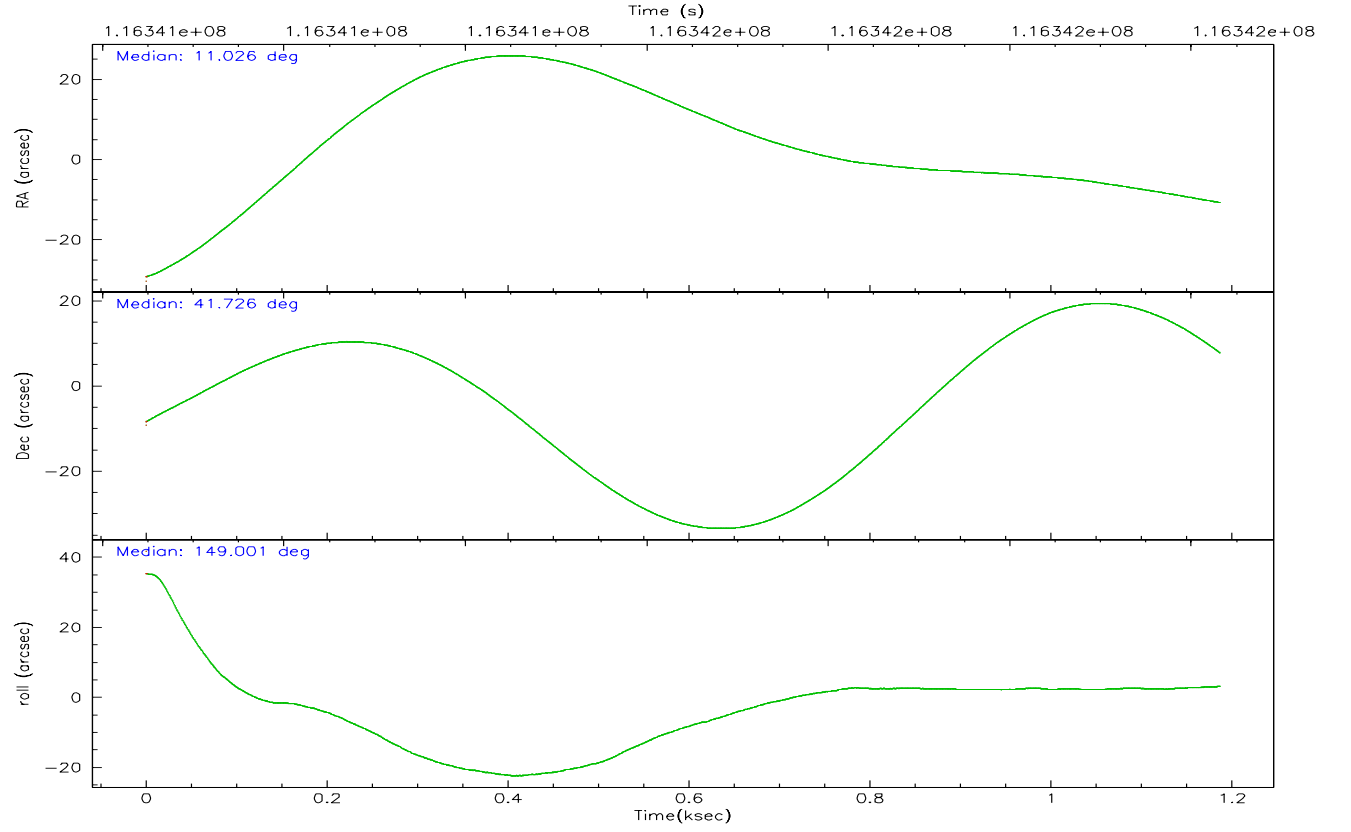
	<b>segment 0</b>
level 1 events	66894
rejected events	14663
rejected %	21%

## 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	11.062178	11.02591446268731			
Pointing Dec	41.724505	41.72541793308211			
Pointing Roll	149.078522	149.0074448289448			
Window start time	117072064.184000	117072064.184000			
Window stop time	117676864.184000	117676864.184000			
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	116341235.184000	116340859.96788			
Observation start date	2001-09-08T12:59:31	2001-09-08T12:54:19			
Observation end time	116342235.184000	116342369.28044			
Observation end date	2001-09-08T13:16:11	2001-09-08T13:19:29			

2.3 Aspect





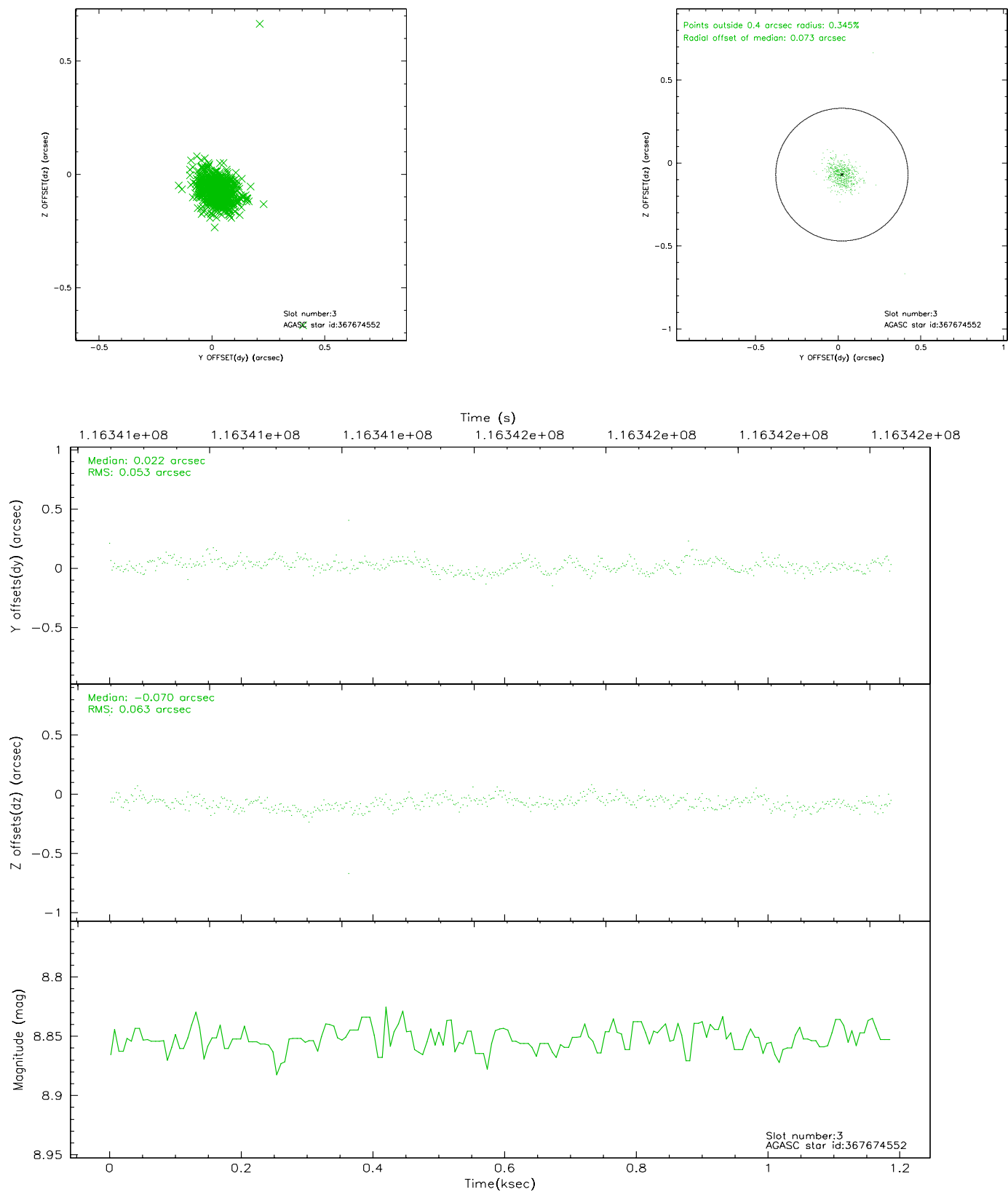
### Slot Statistics

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	290	0.035	0.020	0.005	0.009	0.000000	0.000000	-758.09	-1292.02
1	FID	HRC-I-2	7.01	290	0.084	-0.062	0.006	0.009	0.000000	0.000000	851.97	-1298.18
2	FID	HRC-I-4	6.99	290	-0.003	-0.050	0.005	0.010	0.000000	0.000000	1287.68	1005.54
3	GUIDE	367674552	8.85	580	0.022	-0.070	0.075	0.123	11.016238	41.570845	-178.11	541.72
4	GUIDE	367146616	8.86	580	0.123	-0.114	0.074	0.123	11.418645	41.190163	-1816.20	1156.62
5	GUIDE	367657896	9.02	579	0.057	-0.102	0.085	0.138	11.197765	41.313576	-1077.70	1085.91
6	GUIDE	367670520	9.26	580	-0.123	0.220	0.098	0.151	11.265516	42.371946	732.43	-2272.08
7	GUIDE	367666680	9.47	579	-0.080	0.076	0.112	0.191	10.696106	42.572173	2403.36	-2120.92

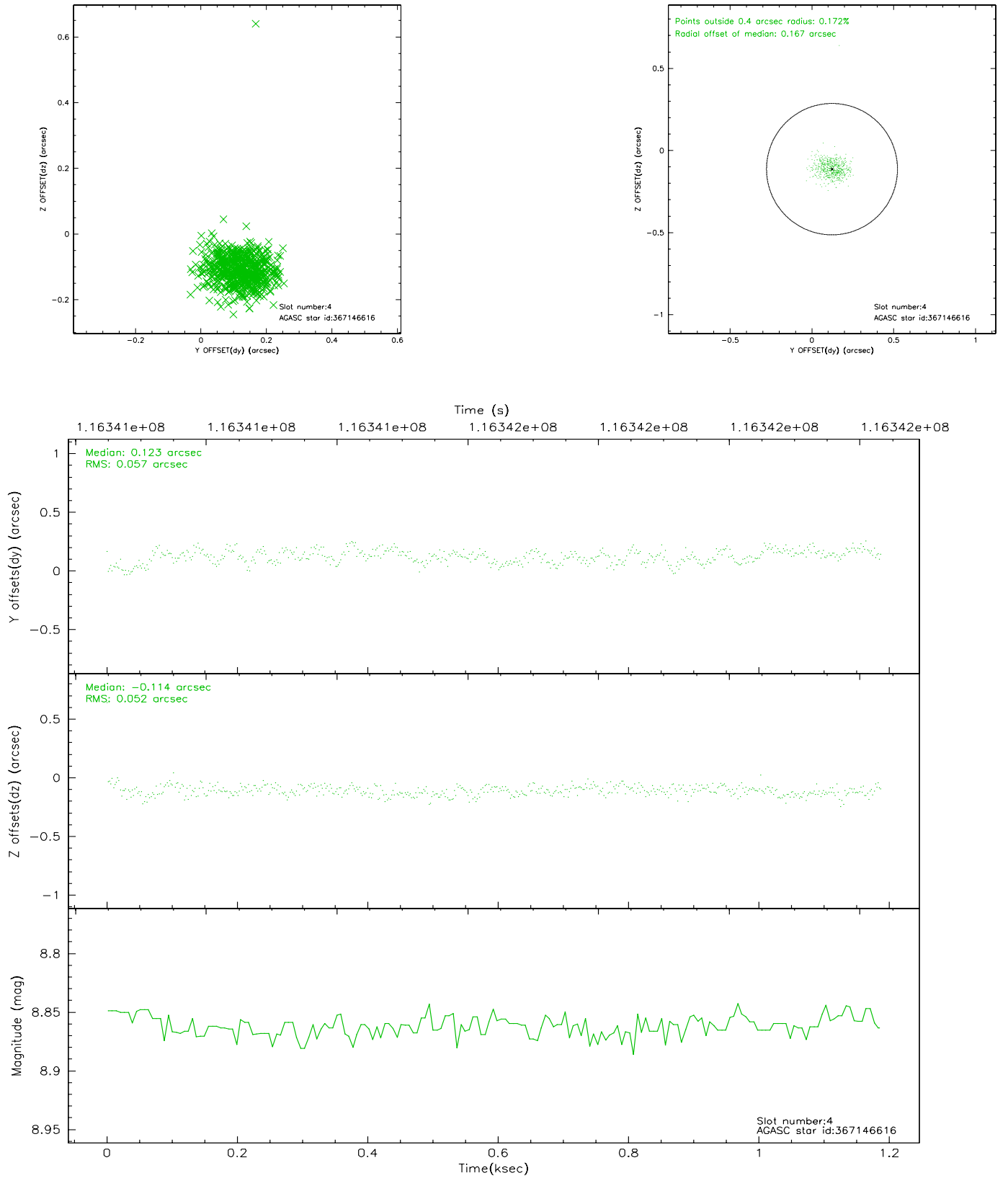


## 2.4 Star Slots

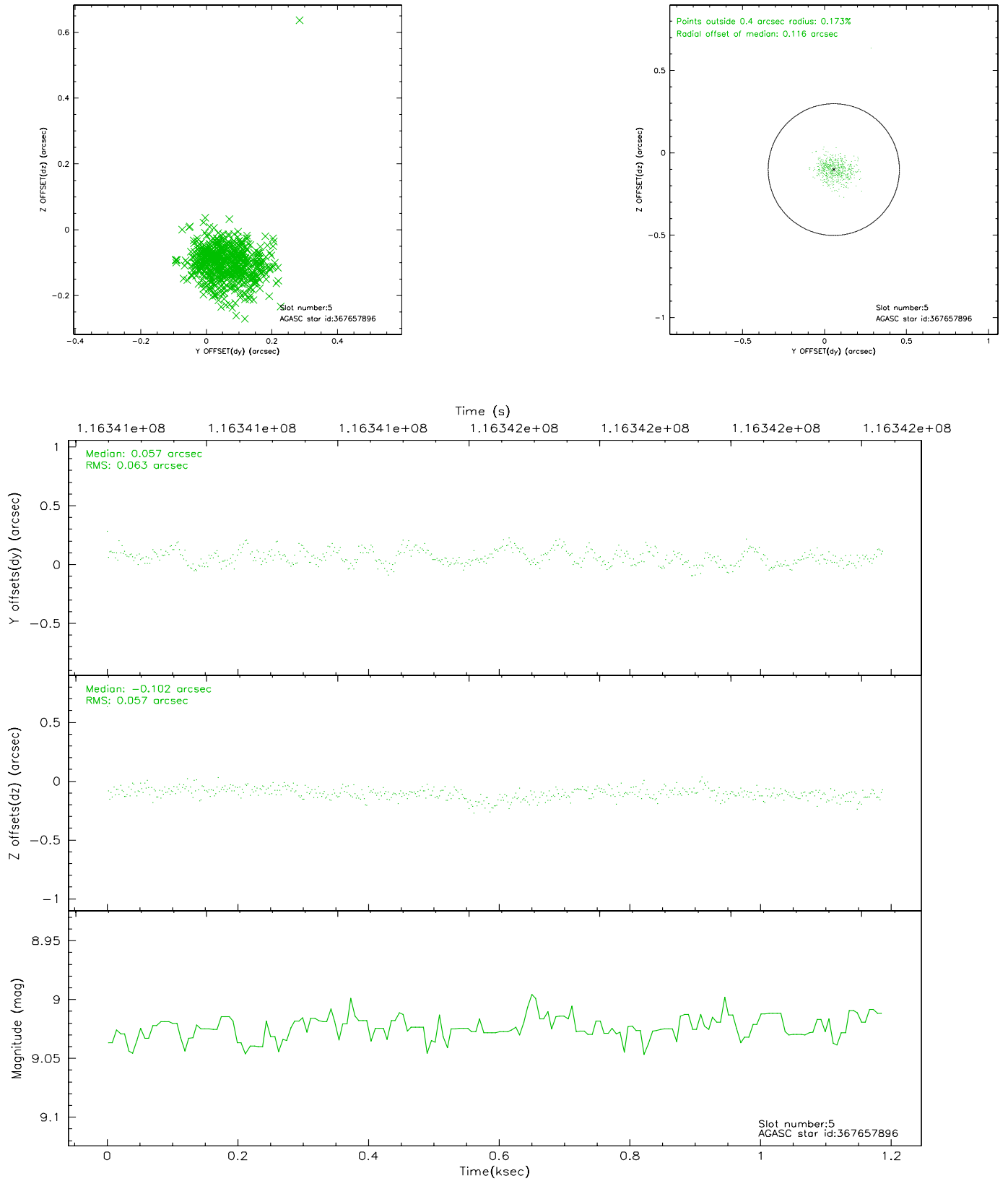
### 2.4.1 Slot 3



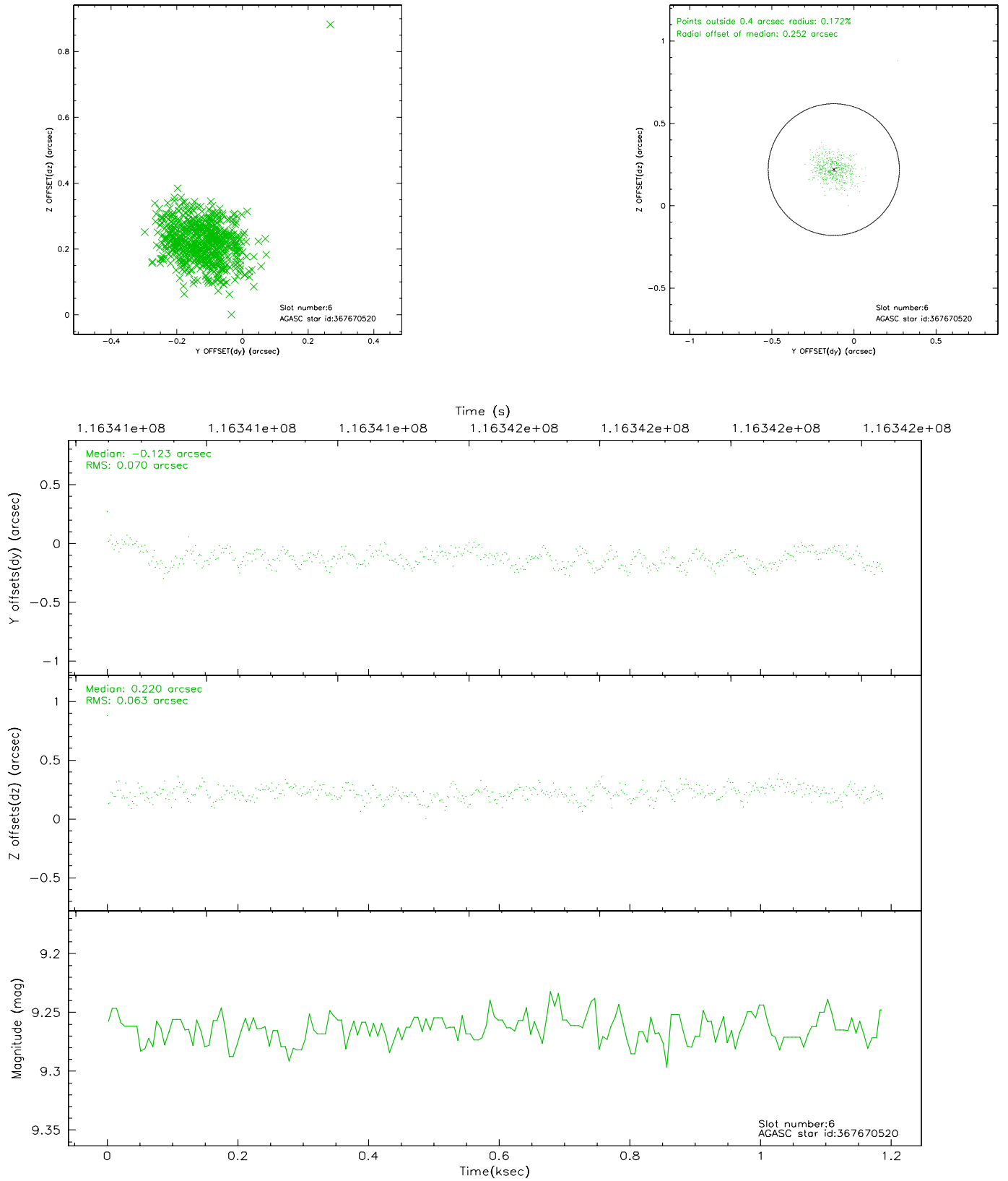
## 2.4.2 Slot 4



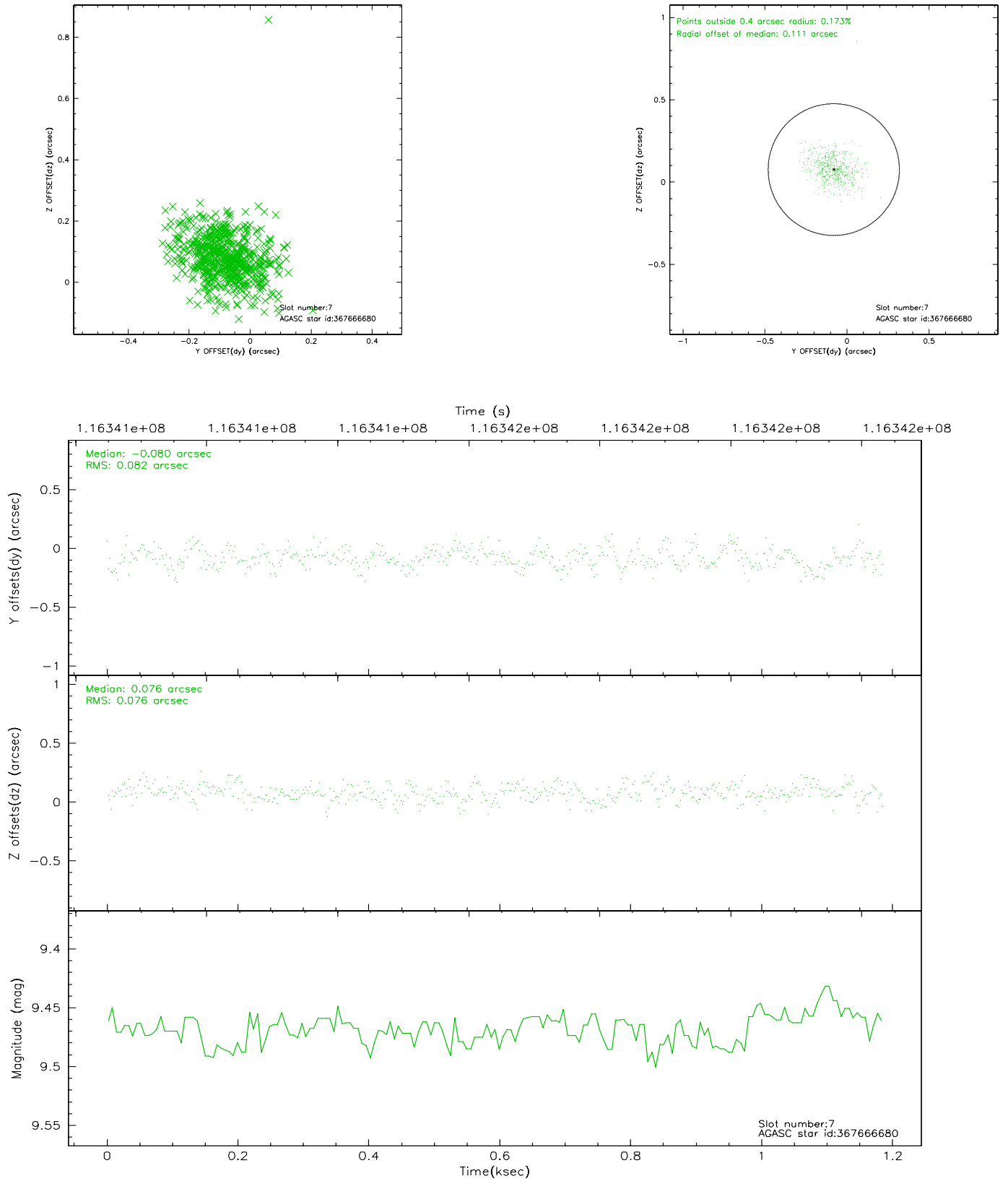
### 2.4.3 Slot 5



## 2.4.4 Slot 6

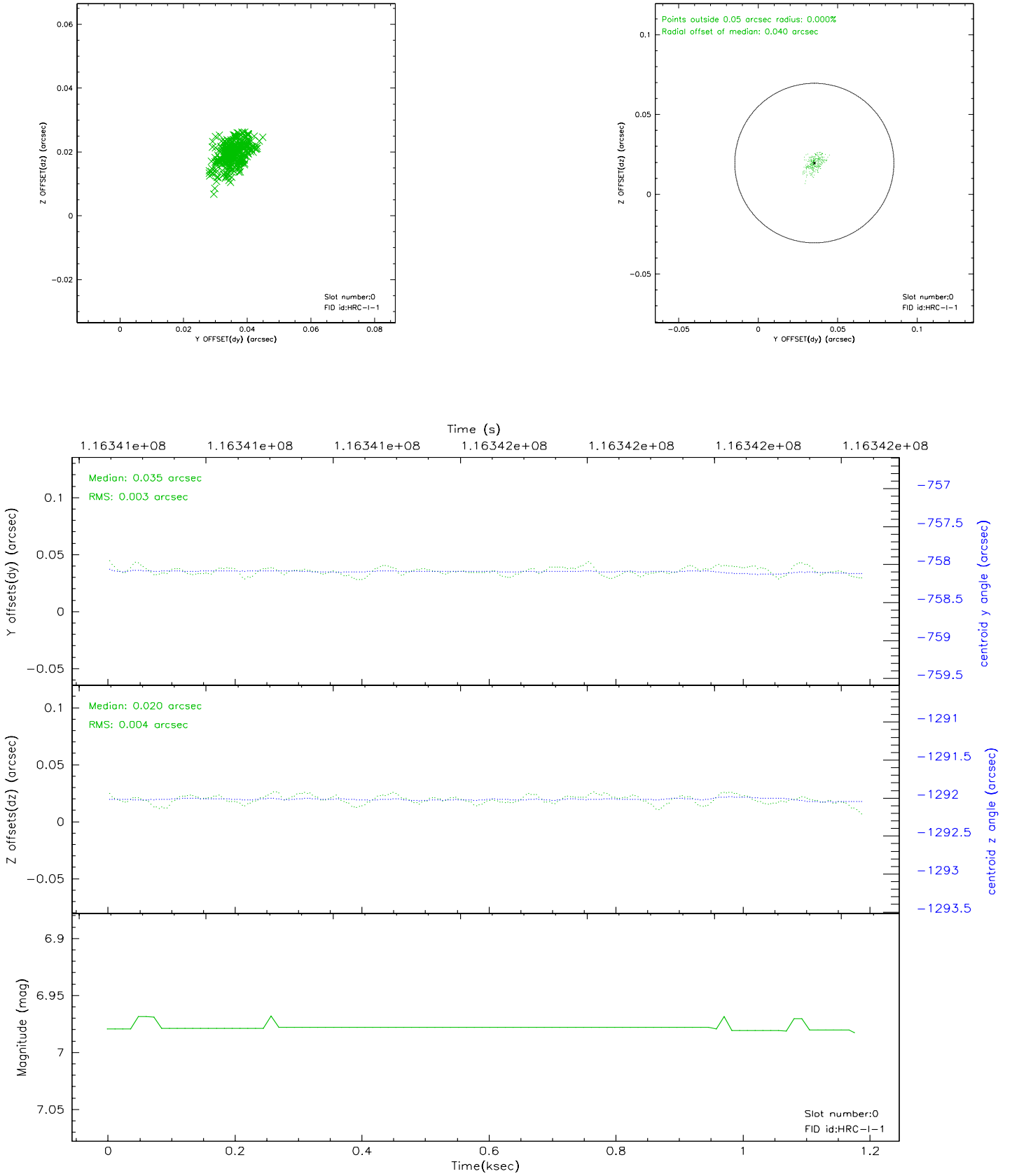


## 2.4.5 Slot 7

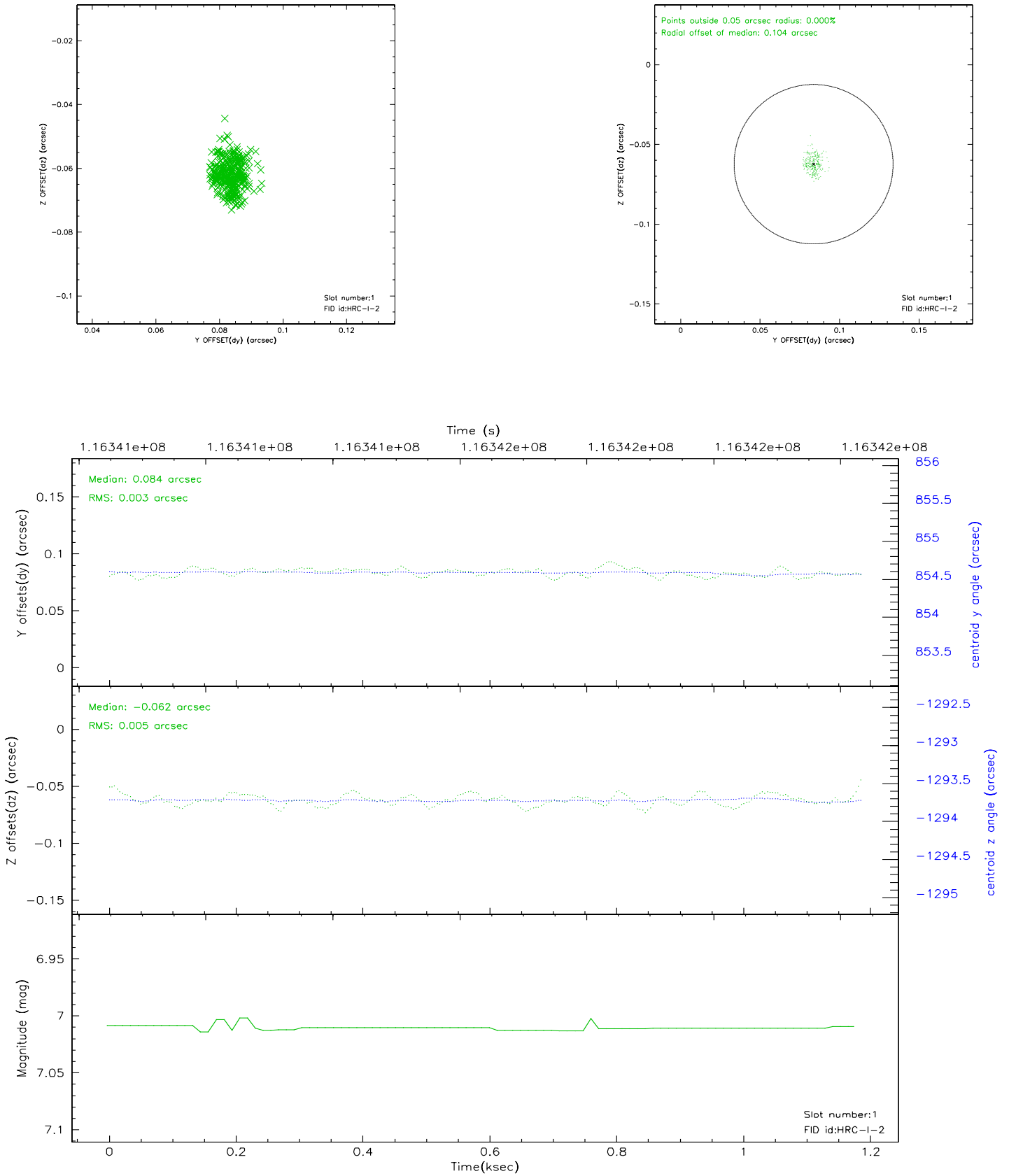


## 2.5 FID Slots

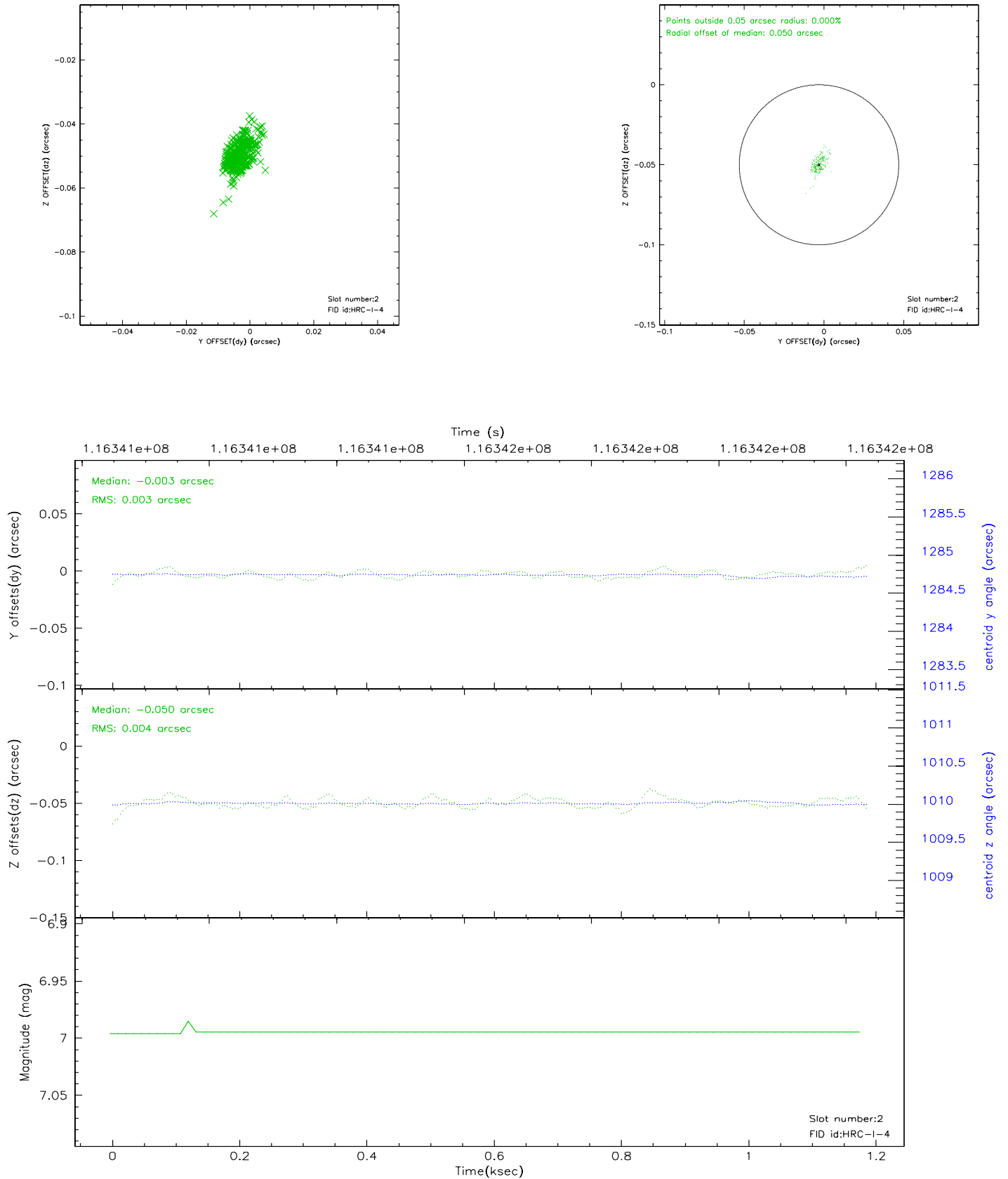
### 2.5.1 Slot 0



## 2.5.2 Slot 1

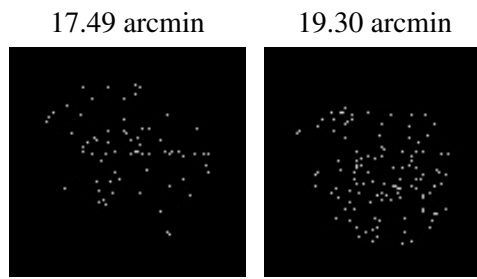


### 2.5.3 Slot 2





### 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	1.19

## 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.