

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5455 - L2 Version 3  
Chandra X-Ray Center

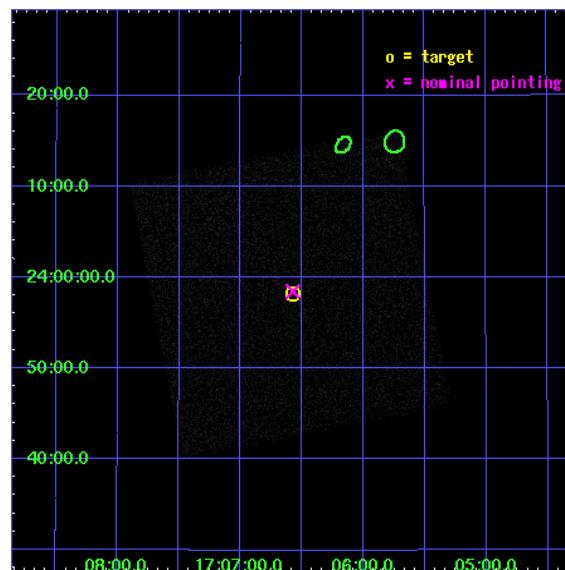
L2 Processing Date : Nov 24 2007

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# 1 Front

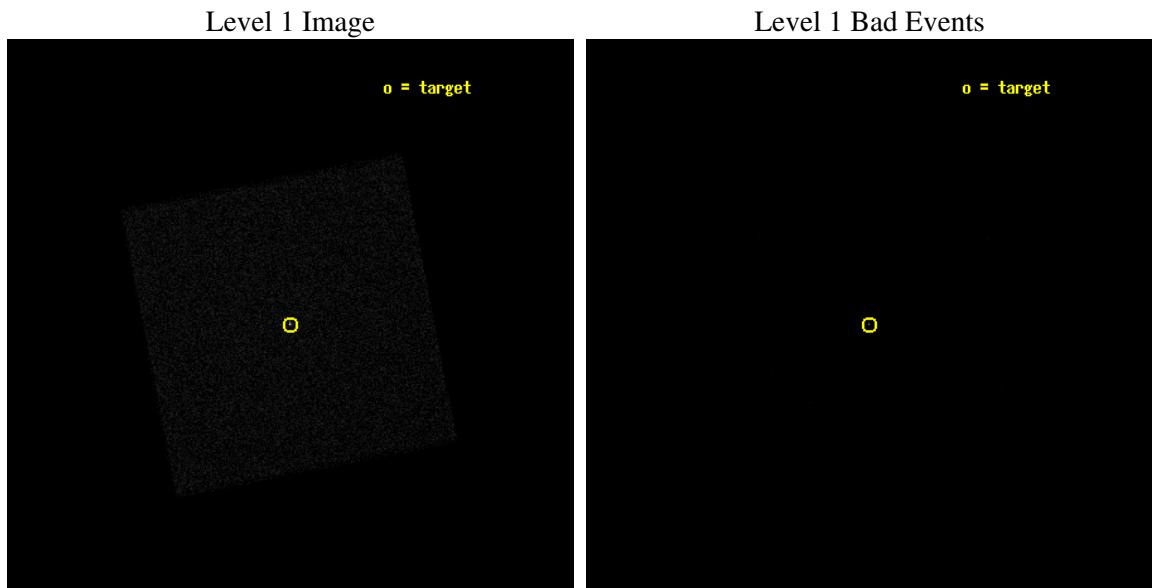
seq_num	400385
obs_id	5455
title	Precise astrometry of the X-ray sources 4U1700+24 and 4U1954+319
observer	Dr. Nicola Masetti
object	4U 1700+24
ra_targ	256.644167
dec_targ	23.970556
ra_nom	256.64326674318
dec_nom	23.974614930684
roll_nom	123.924440074
revision	3
ontime	1157.4813026786
livetime	1149.3013004914
l2events	45106



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



## 2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T13:55:49
revision	3

sched_exp_time	1000.000000
ontime	1157.4813026786
l1events	114341

## 2.1.3 Events

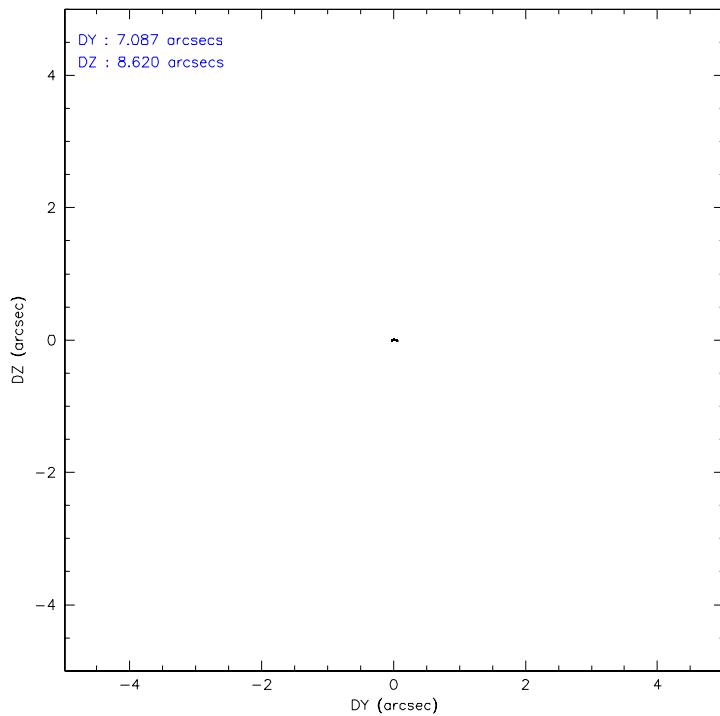
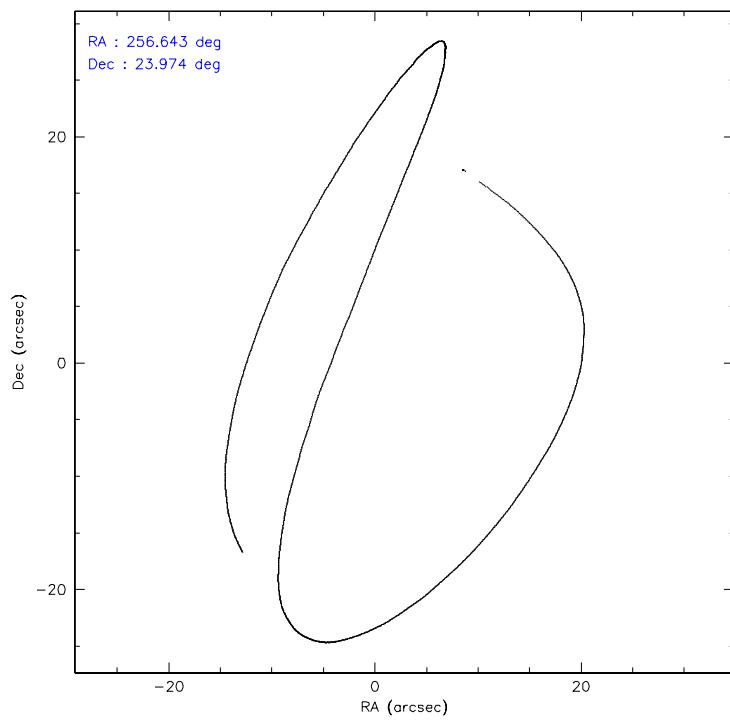
Level 1 Events

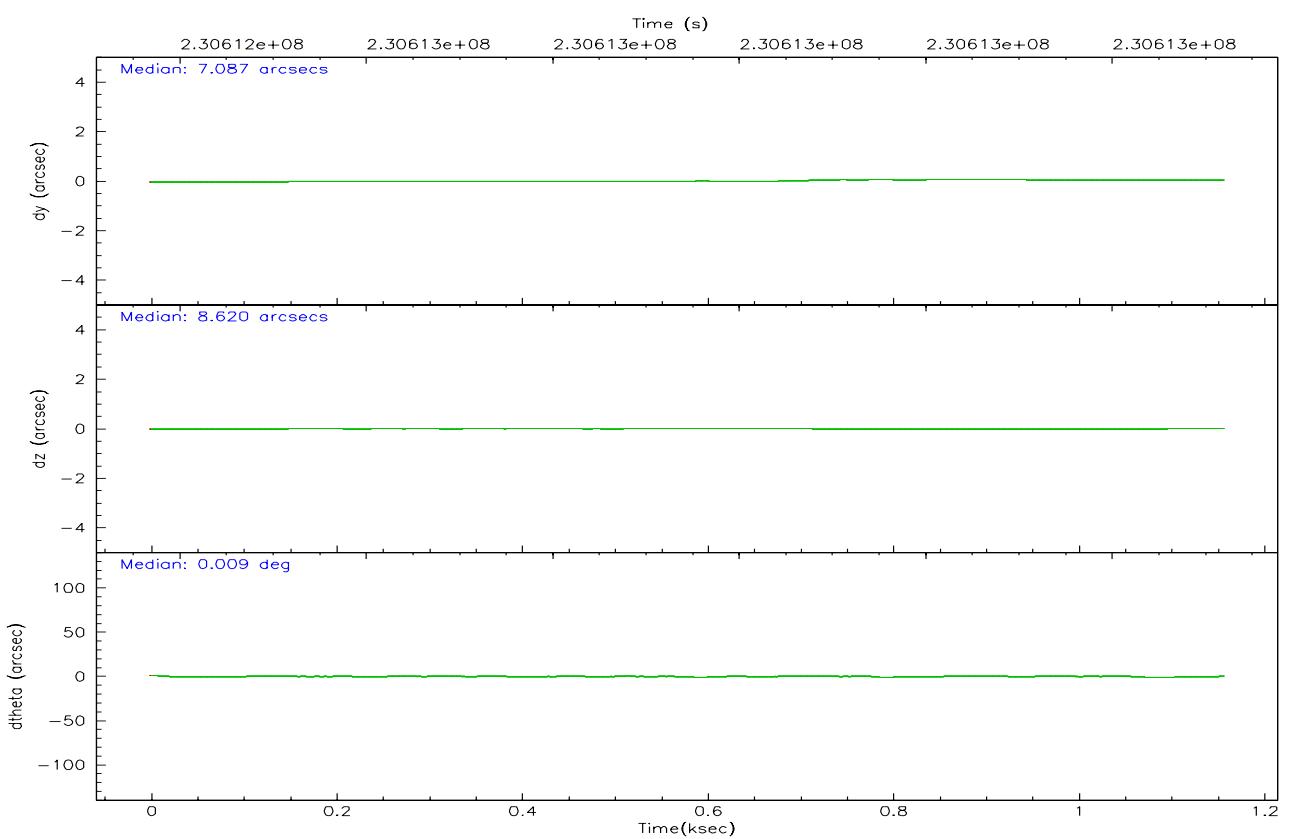
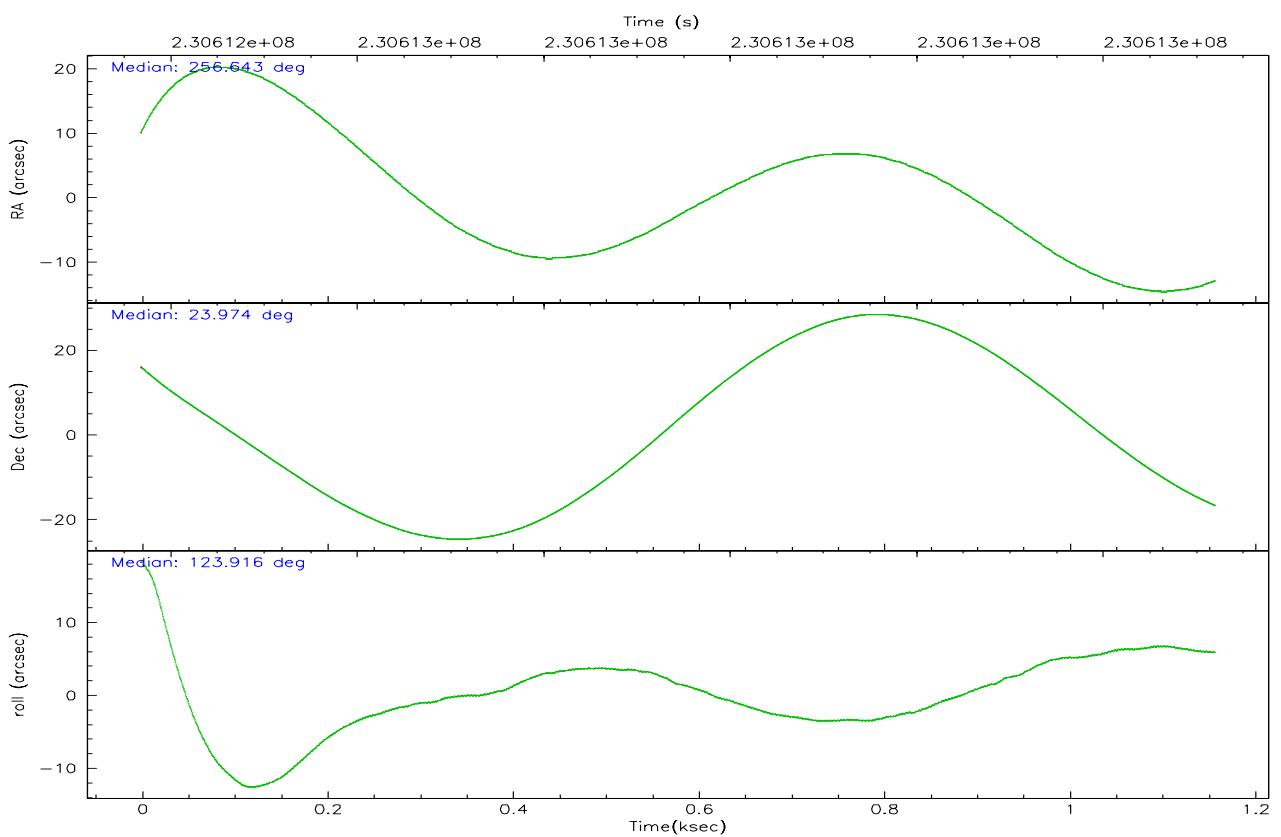
	segment 0
level 1 events	114341
rejected events	48122
rejected %	42%

## 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	256.670212	256.6432667431845			
Pointing Dec	23.963303	23.9746149306838			
Pointing Roll	124.008690	123.9244400740044			
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	230612524.184000	230611567.13811			
Observation start date	2005-04-23T03:01:00	2005-04-23T02:46:07			
Observation end time	230613524.184000	230614458.66324			
Observation end date	2005-04-23T03:17:40	2005-04-23T03:34:18			

## 2.3 Aspect



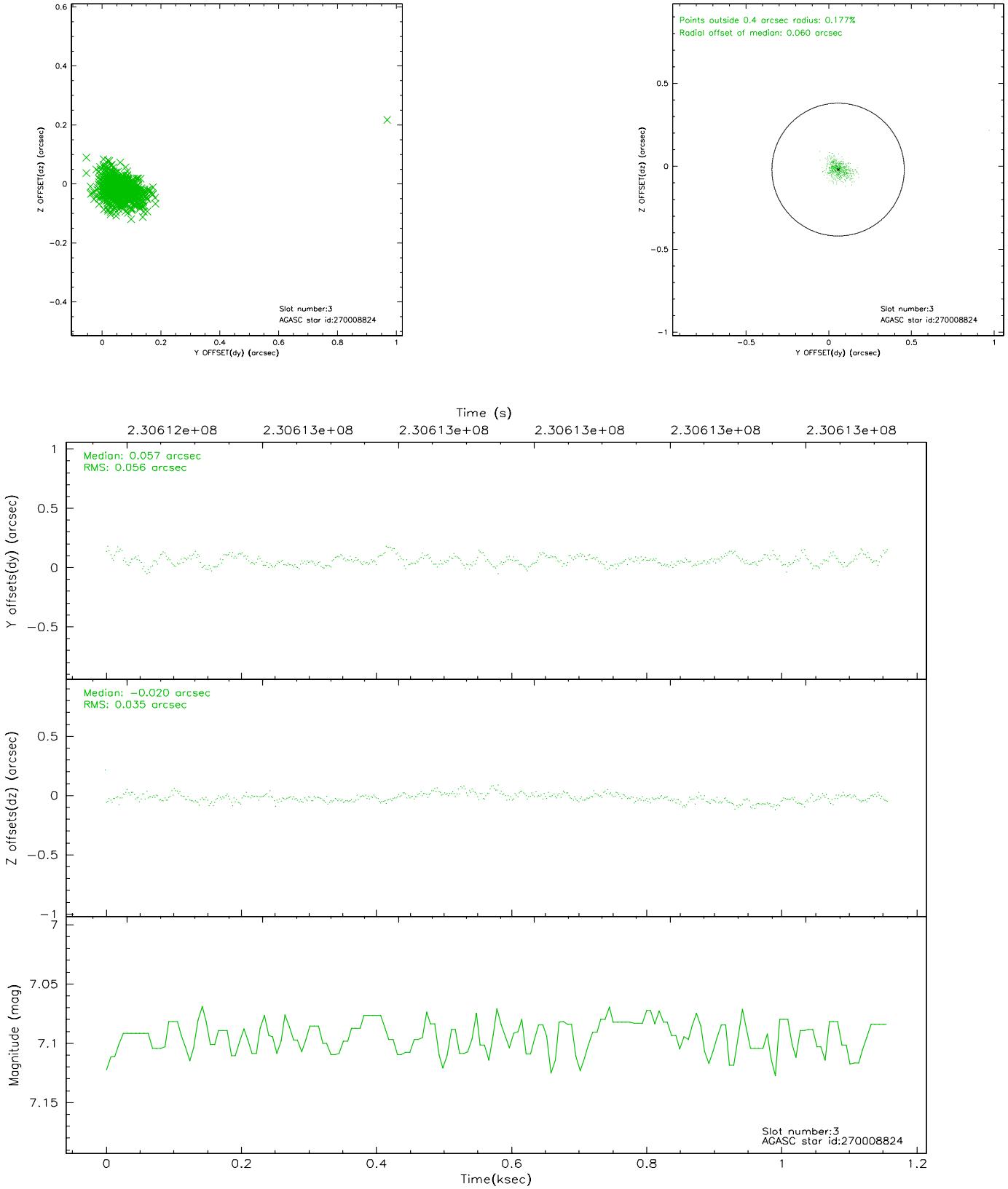


### Slot Statistics

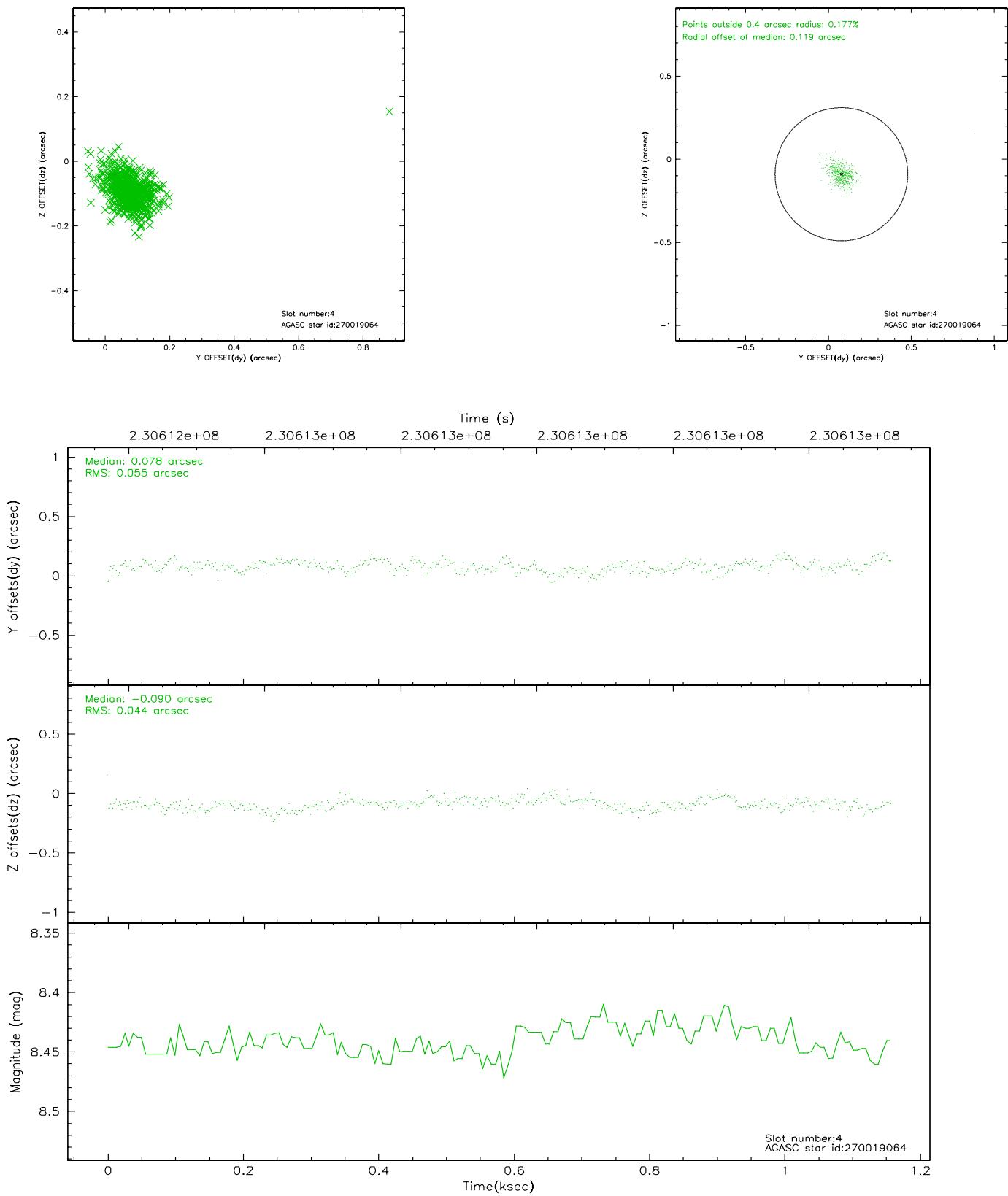
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	283	0.010	0.068	0.007	0.011	0.000000	0.000000	-762.70	-1296.49
1	FID	HRC-I-2	7.01	283	0.110	-0.098	0.006	0.010	0.000000	0.000000	847.34	-1302.82
2	FID	HRC-I-3	7.06	283	-0.001	-0.059	0.006	0.011	0.000000	0.000000	-1188.17	1003.35
3	GUIDE	270008824	7.09	566	0.057	-0.020	0.055	0.096	256.514301	23.322063	-1624.97	1718.23
4	GUIDE	270019064	8.44	566	0.078	-0.090	0.063	0.110	256.784607	23.399474	-1896.67	825.08
5	GUIDE	270533184	8.67	566	0.172	-0.010	0.071	0.116	256.939866	24.583486	1355.18	-1979.26
6	GUIDE	270537568	7.26	566	-0.184	0.205	0.079	0.131	257.139787	24.486485	705.59	-2333.15
7	GUIDE	270011000	9.36	565	-0.119	-0.089	0.100	0.171	256.249177	24.250349	1632.66	562.66

## 2.4 Star Slots

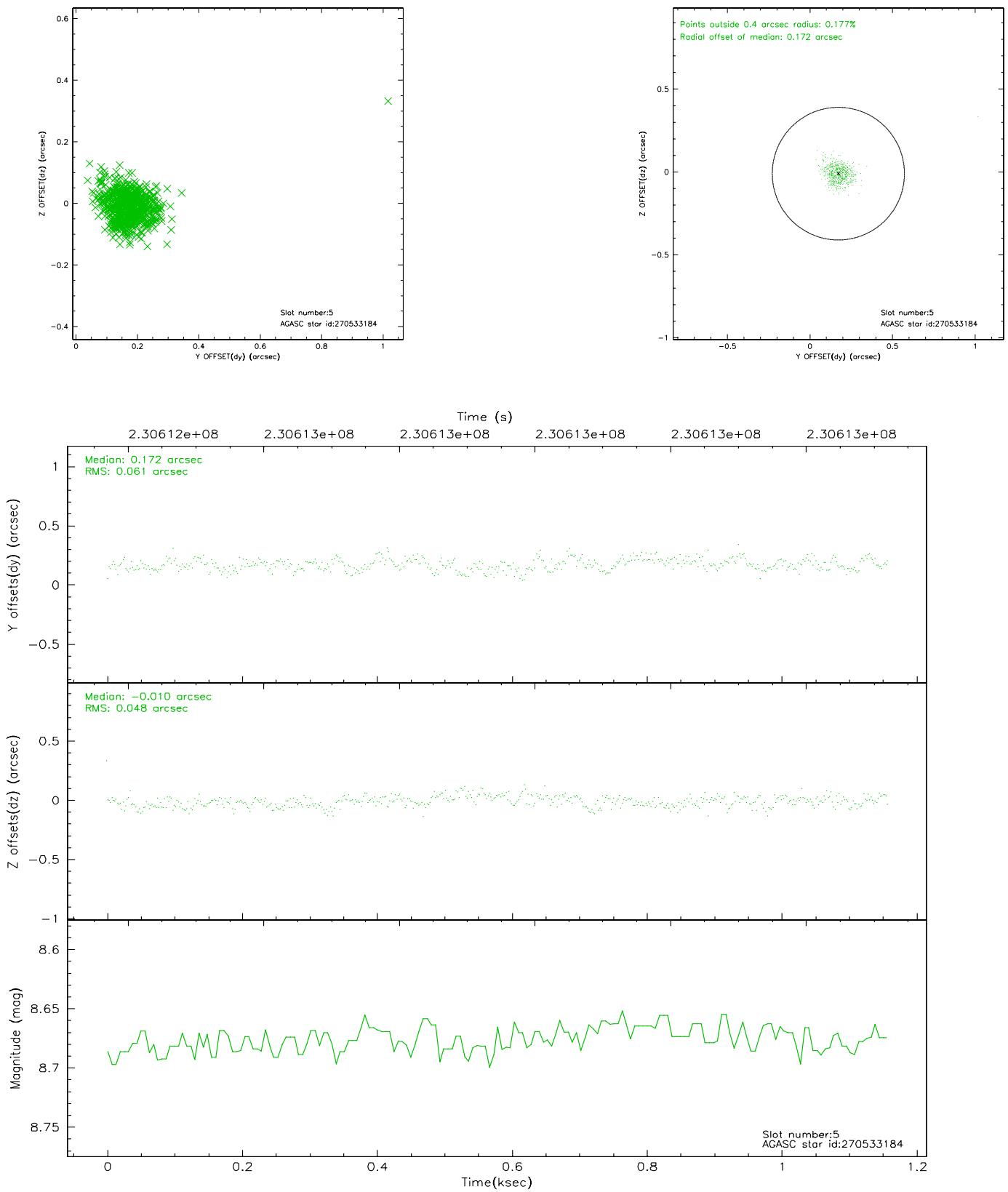
### 2.4.1 Slot 3



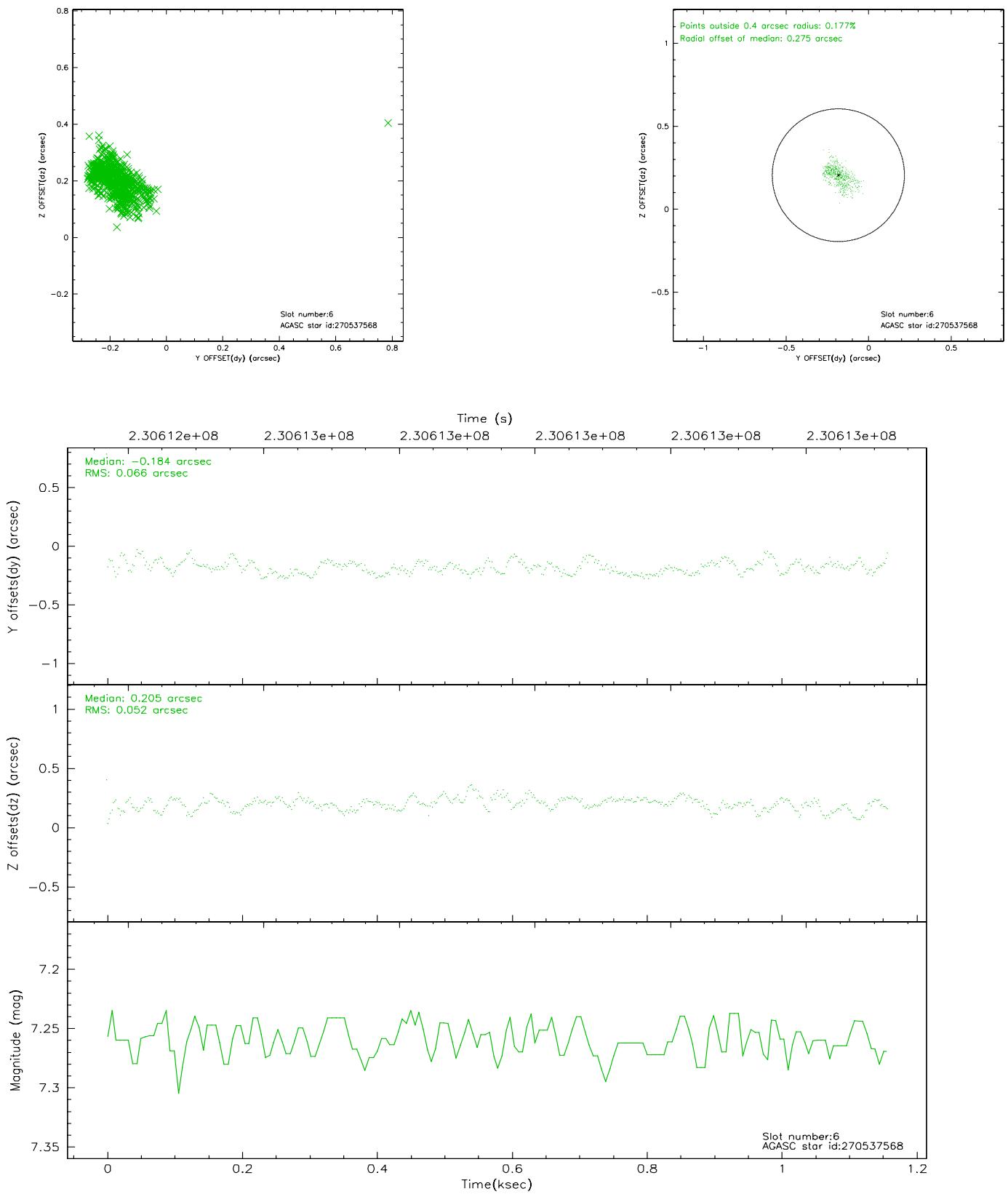
## 2.4.2 Slot 4



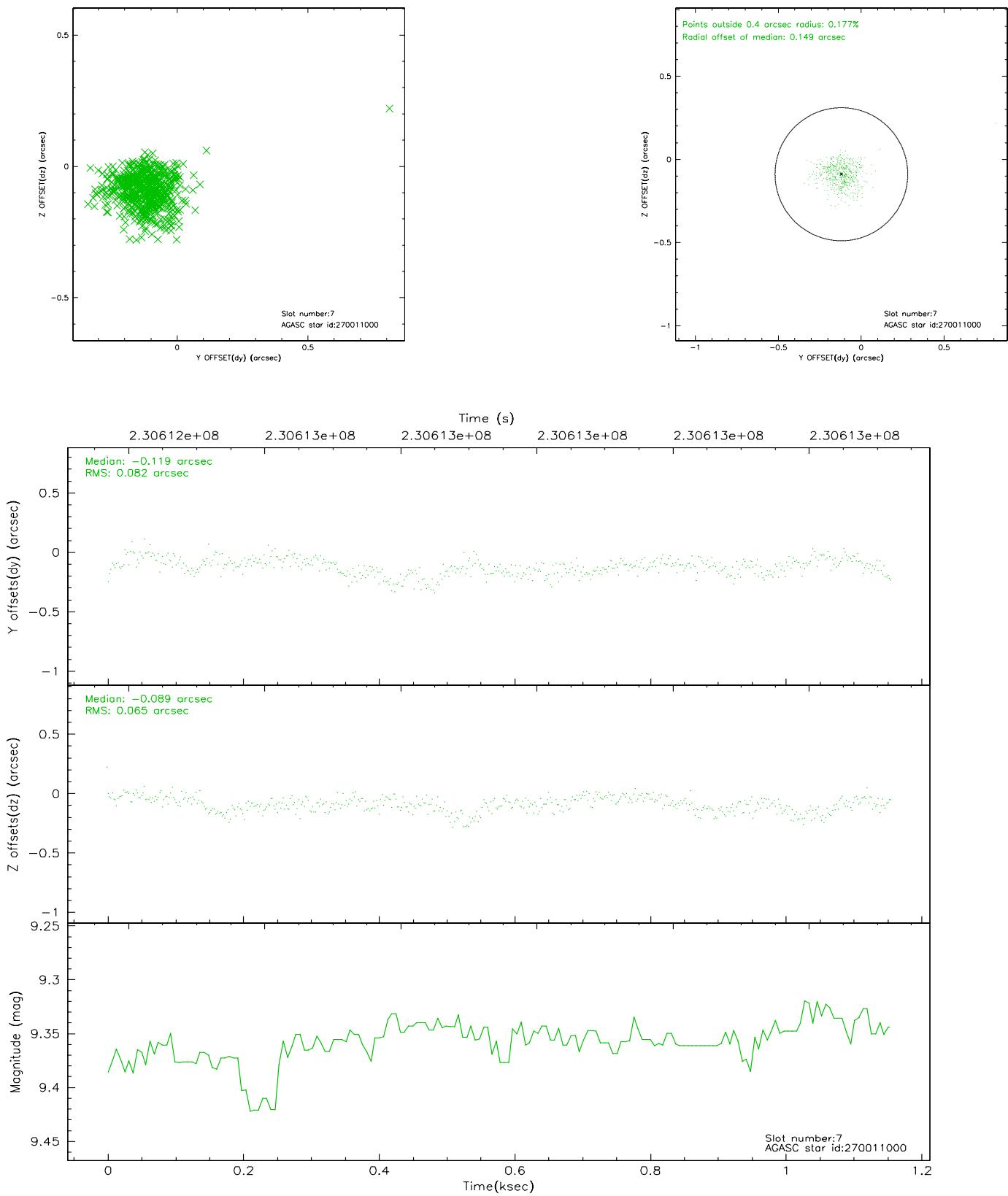
### 2.4.3 Slot 5



## 2.4.4 Slot 6

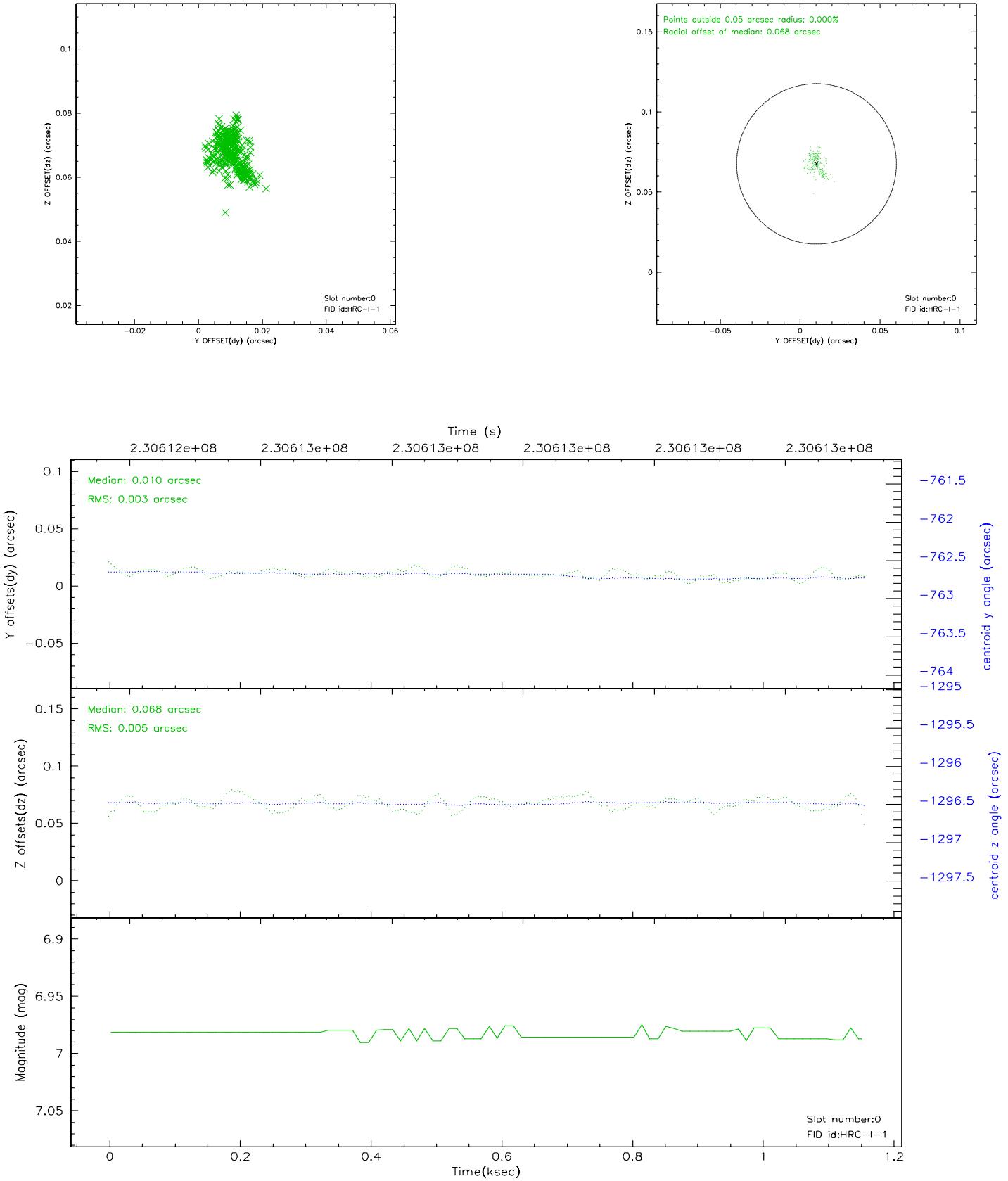


## 2.4.5 Slot 7

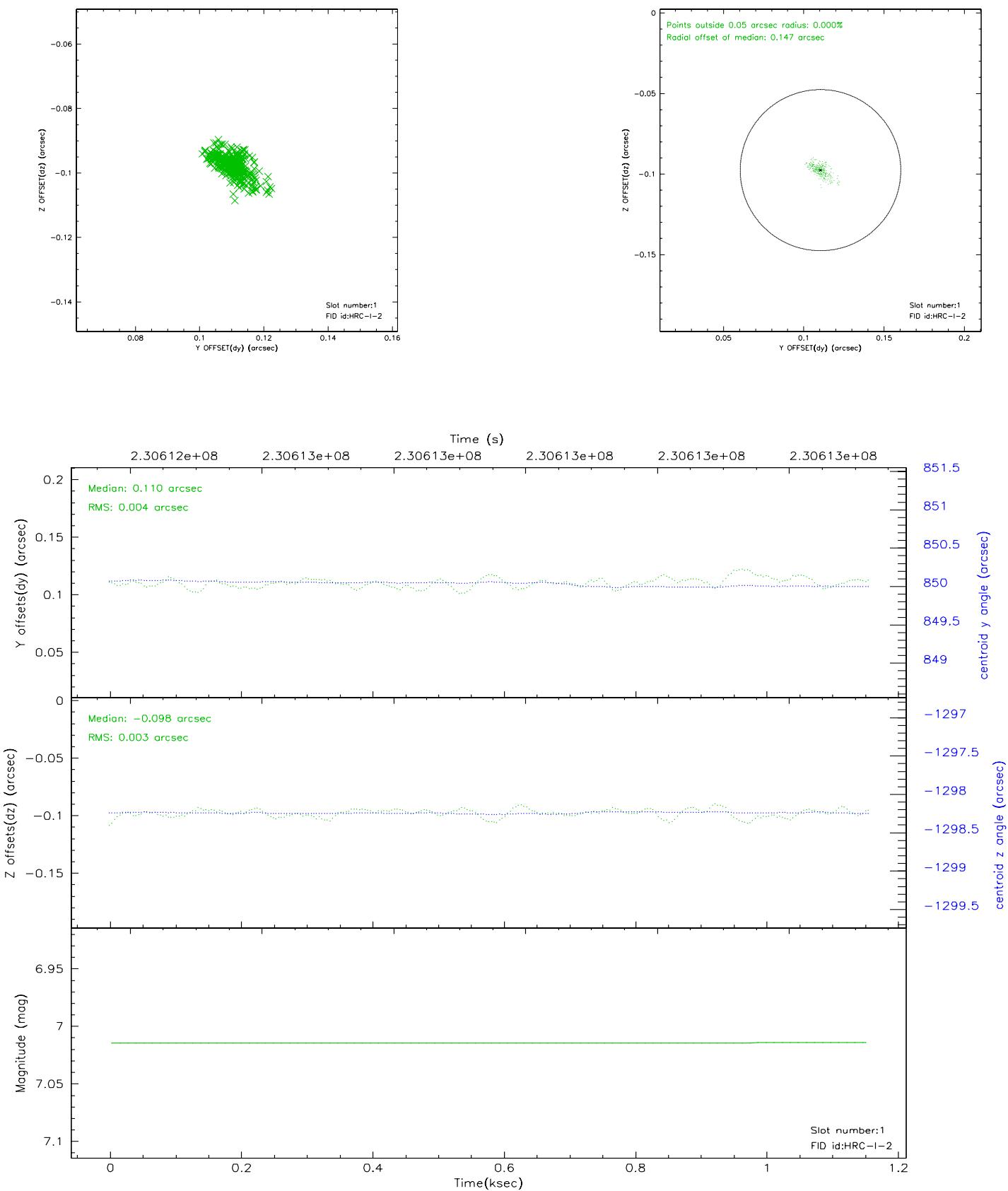


## 2.5 FID Slots

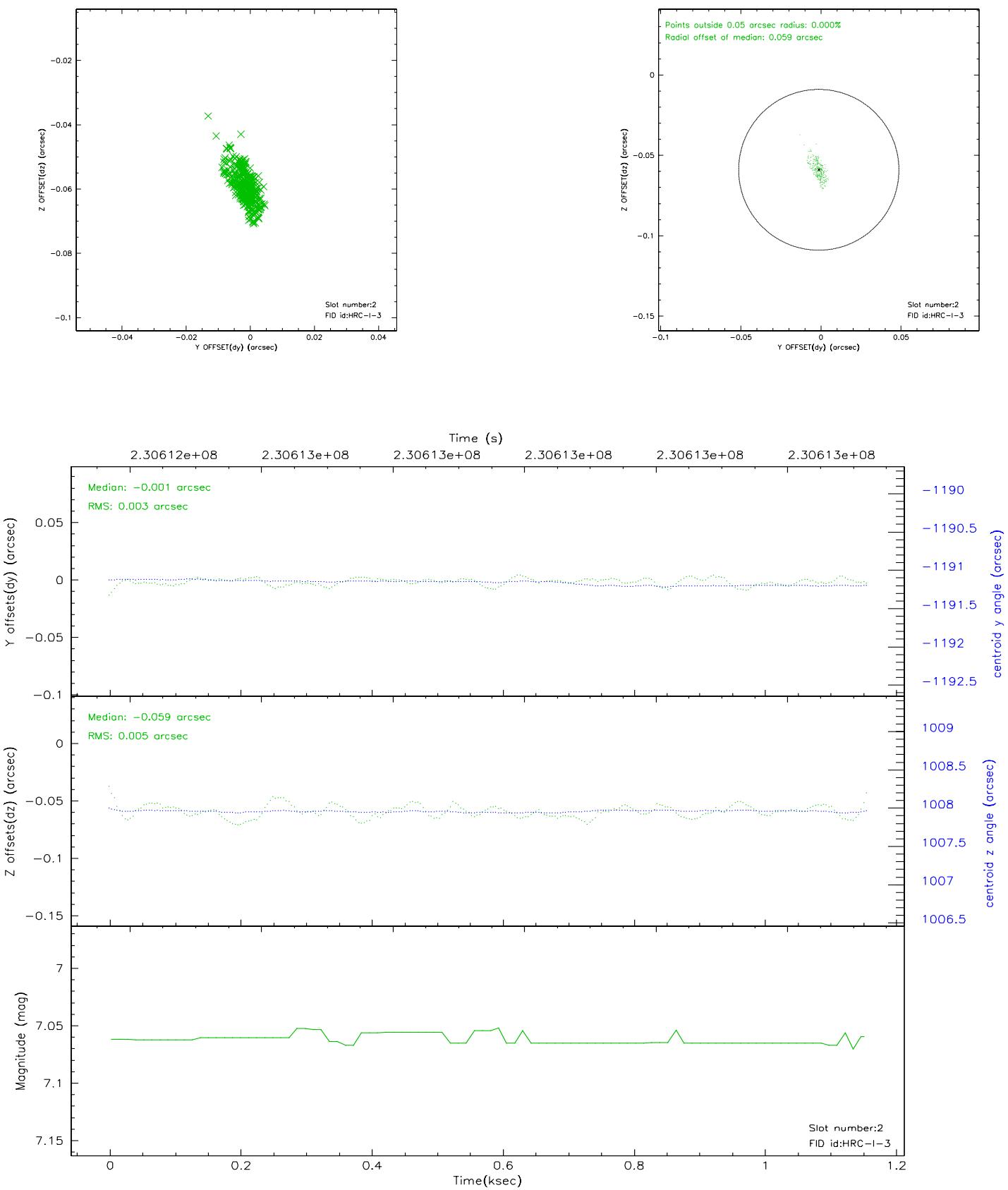
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

17.03 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.157481

## 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.