

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3451 - L2 Version 4  
Chandra X-Ray Center

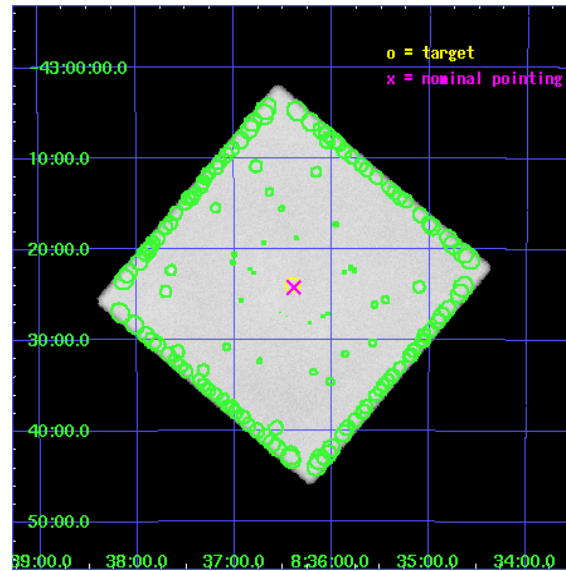
L2 Processing Date : Nov 21 2007

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# 1 Front

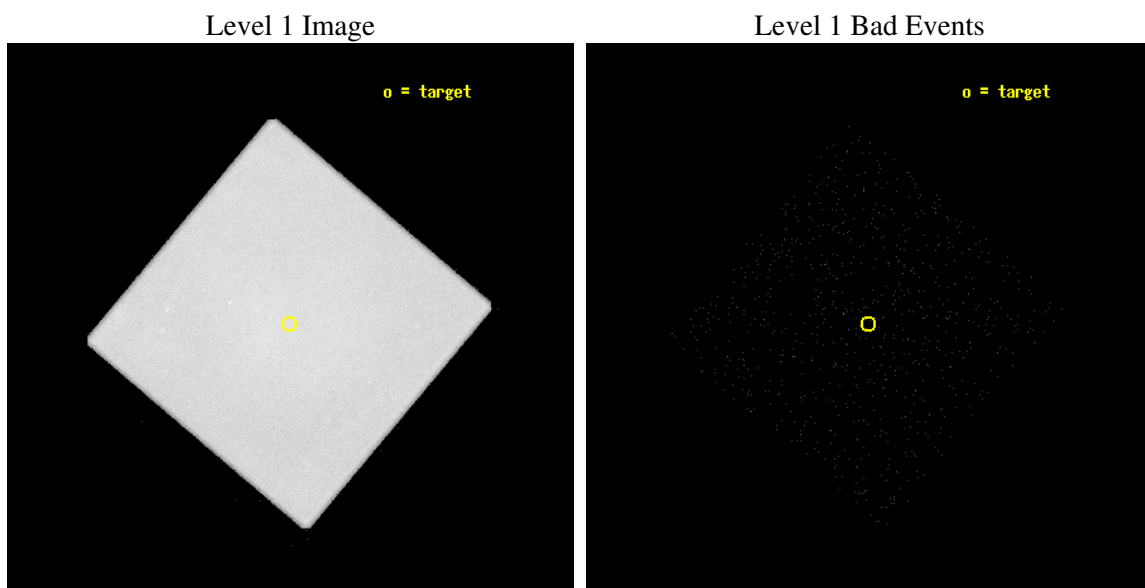
seq_num	590271
obs_id	3451
title	A MEASUREMENT OF THE LOW ENERGY QE MAP OF THE HRC-I
observer	Dr. CXC Calibration
object	VELA REMNANT
ra_targ	129.1
dec_targ	-43.4
ra_nom	129.09730695225
dec_nom	-43.403729849
roll_nom	265.15525771687
revision	4
ontime	37369.707771808
livetime	37039.825621281
l2events	2647529



## 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	2007-11-21T21:08:06
revision	4

sched_exp_time	37500.000000
ontime	37369.707771808
l1events	3450788

### 2.1.3 Events

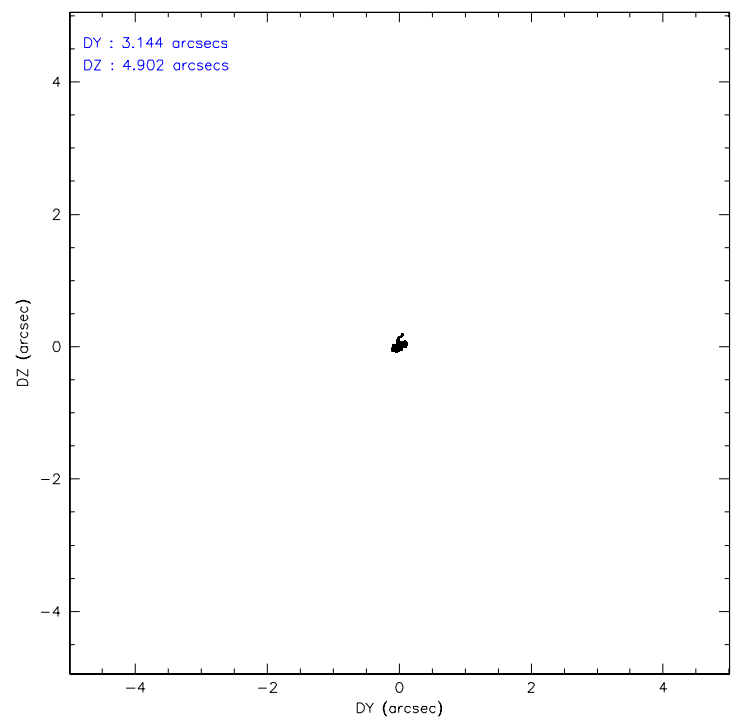
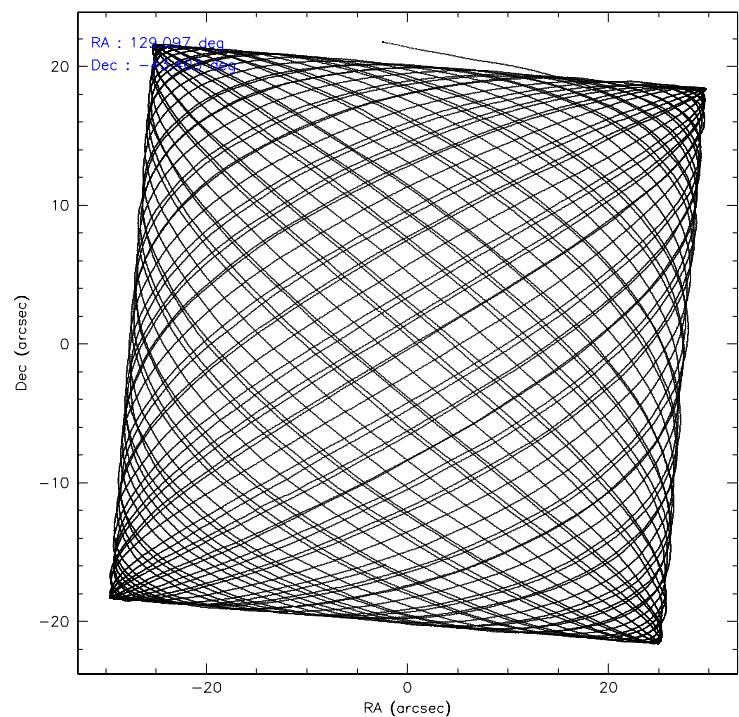
#### Level 1 Events

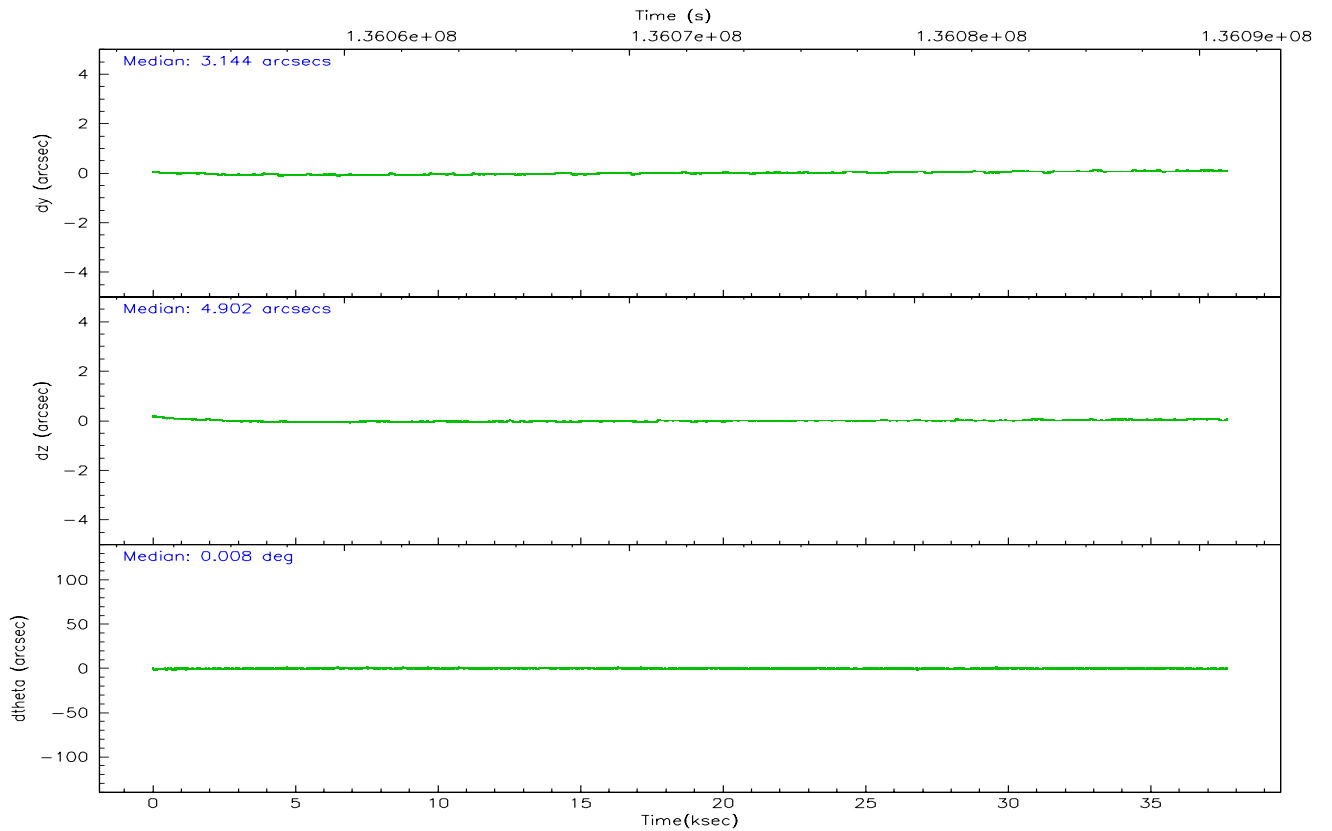
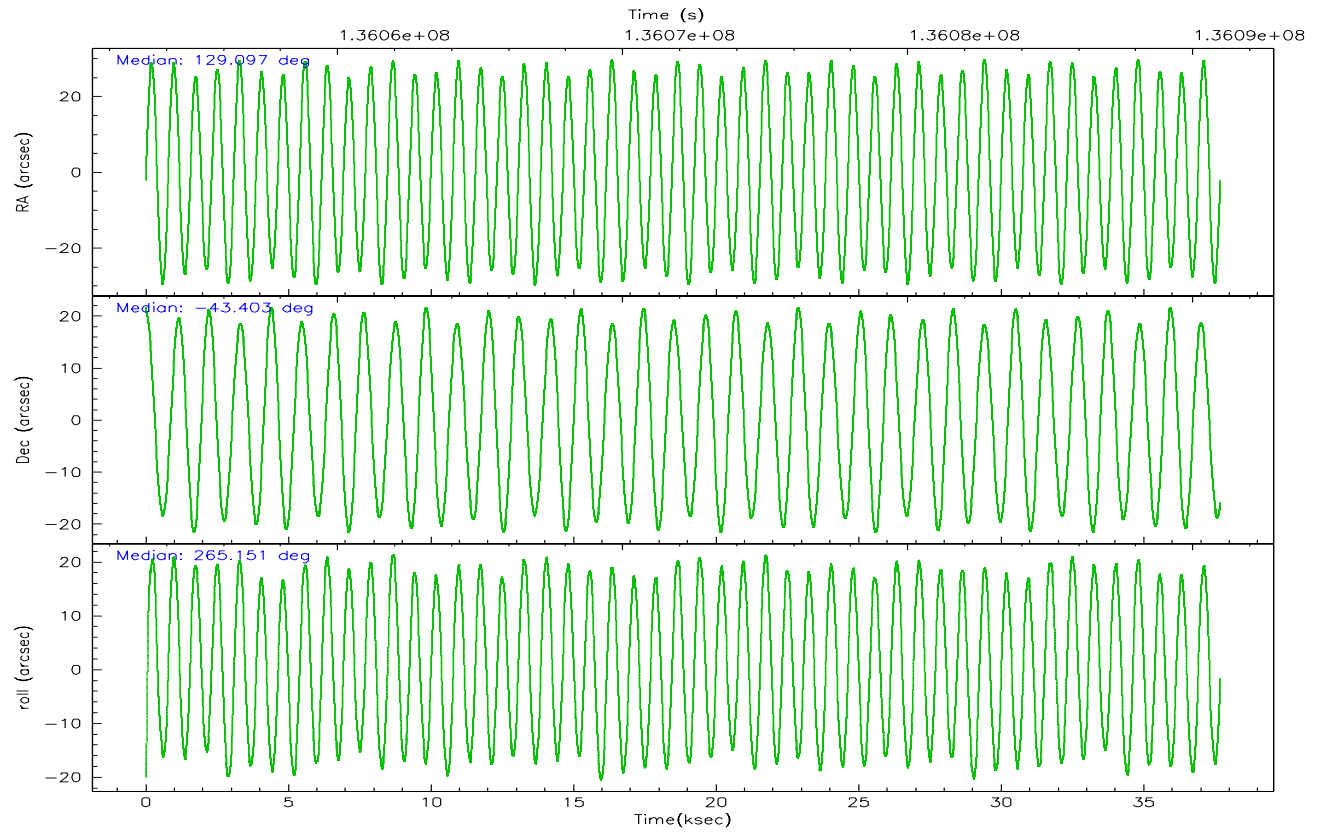
	<b>segment 0</b>
level 1 events	3450788
rejected events	9321
rejected %	0%

## 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	129.080714	129.0973069522502			
Pointing Dec	-43.379438	-43.40372984900034			
Pointing Roll	265.239354	265.1552577168721			
Window start time	134006464.184000	134006464.184000			
Window stop time	136512064.184000	136512064.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9804656746847			
SIM translation stage offset (mm)	0	0.005023216916882234			
Observation start time	136053464.184000	136052740.30891			
Observation start date	2002-04-24T16:36:40	2002-04-24T16:25:40			
Observation end time	136090964.184000	136091834.8355			
Observation end date	2002-04-25T03:01:40	2002-04-25T03:17:14			

2.3 Aspect





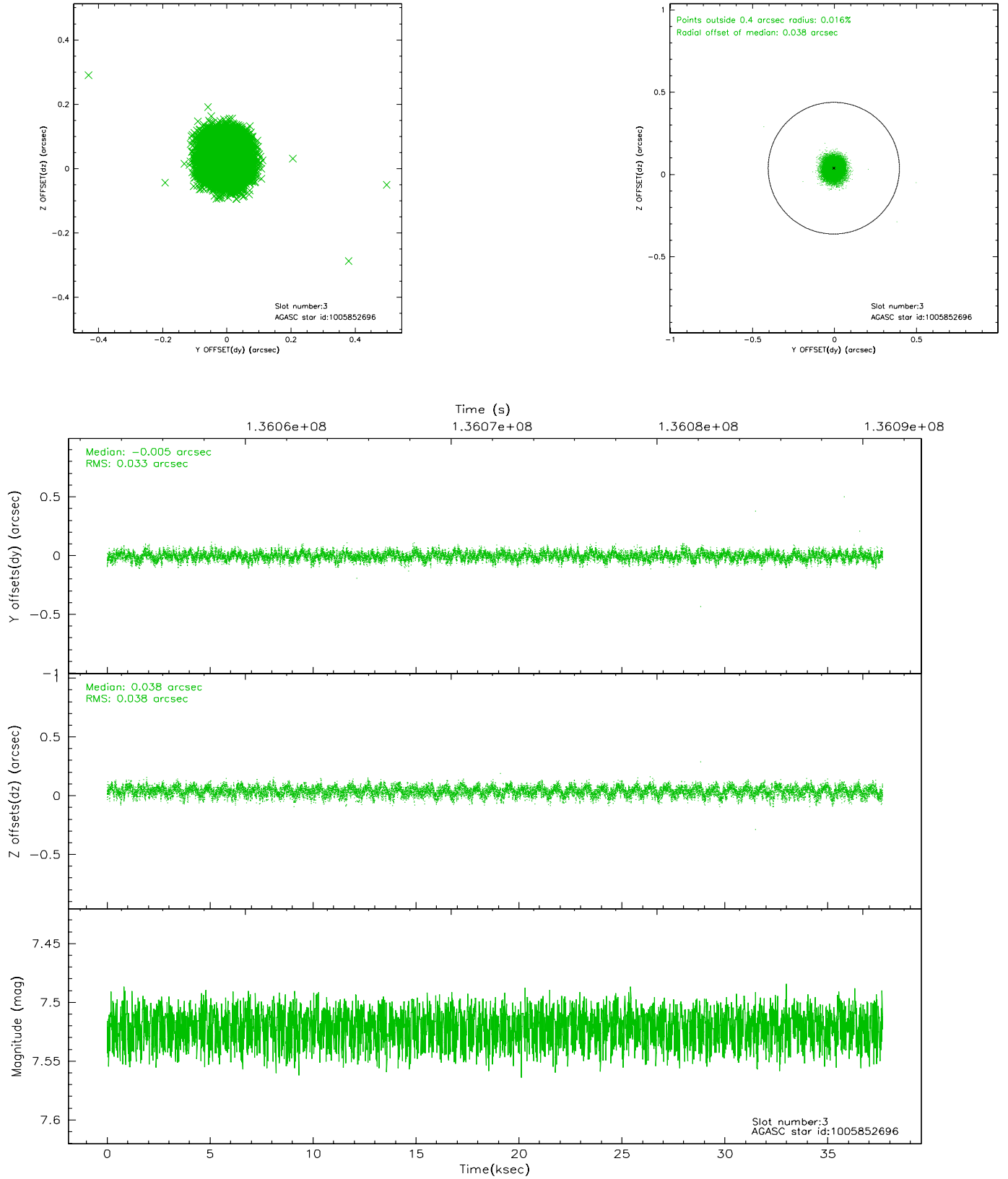
### Slot Statistics

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	9190	0.006	0.055	0.007	0.012	0.000000	0.000000	-758.60	-1292.60
1	FID	HRC-I-2	7.01	9190	0.074	-0.049	0.006	0.010	0.000000	0.000000	854.02	-1294.38
2	FID	HRC-I-3	7.06	9189	0.039	-0.095	0.006	0.011	0.000000	0.000000	-1187.00	1011.67
3	GUIDE	1005852696	7.52	18367	-0.005	0.038	0.054	0.086	129.268544	-43.812134	1513.24	615.90
4	GUIDE	1005872816	7.99	18379	0.231	-0.076	0.102	0.167	128.079123	-43.931495	2213.15	-2421.34
5	GUIDE	1005849584	8.87	18349	0.019	0.008	0.067	0.110	129.259023	-43.780363	1401.35	581.81
6	GUIDE	1005337992	8.48	18372	-0.151	-0.016	0.075	0.124	128.344661	-42.851803	-1722.27	-2092.85
7	GUIDE	1005333536	9.46	18371	-0.098	0.052	0.090	0.148	128.886420	-42.801856	-2028.24	-684.11

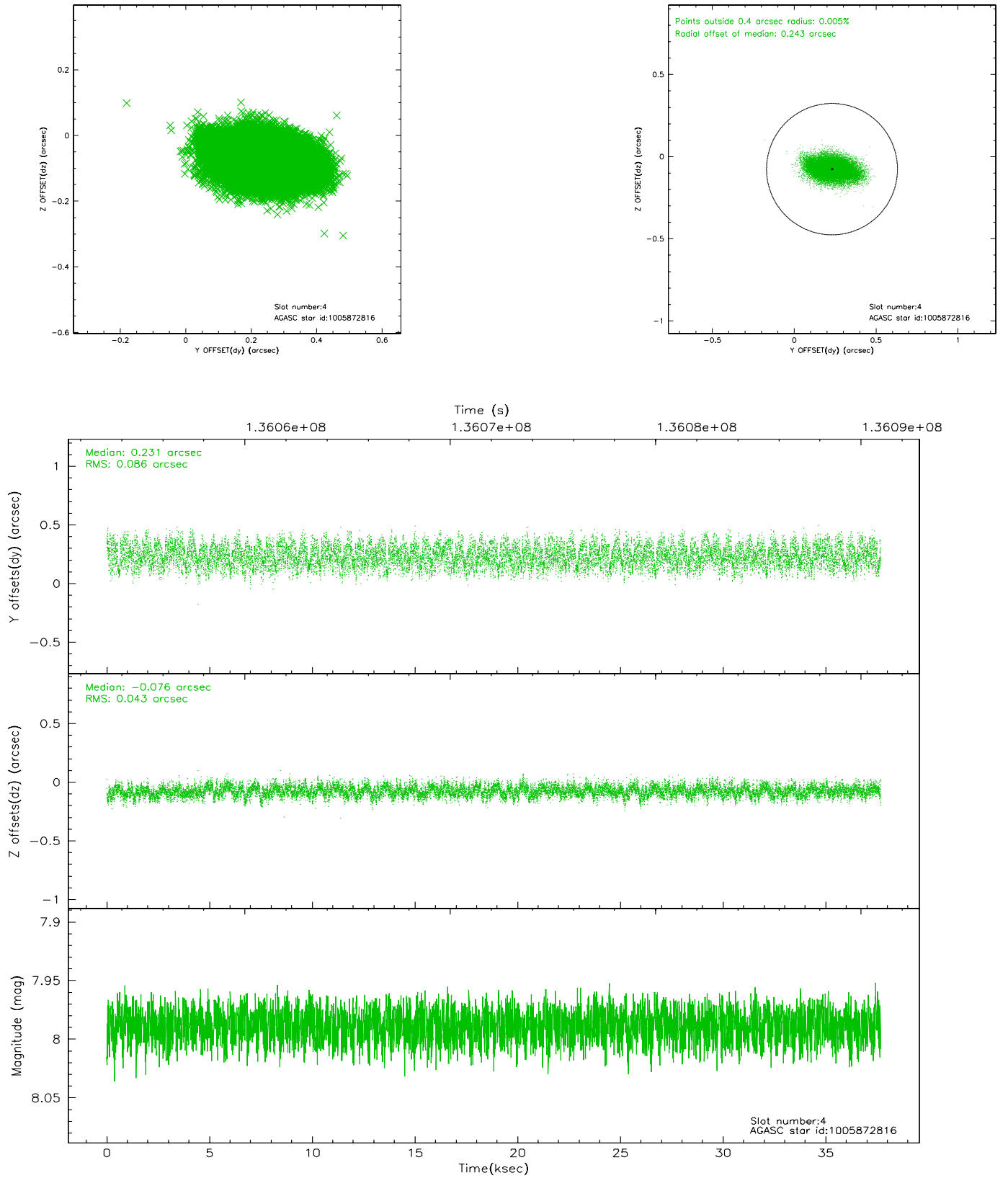


## 2.4 Star Slots

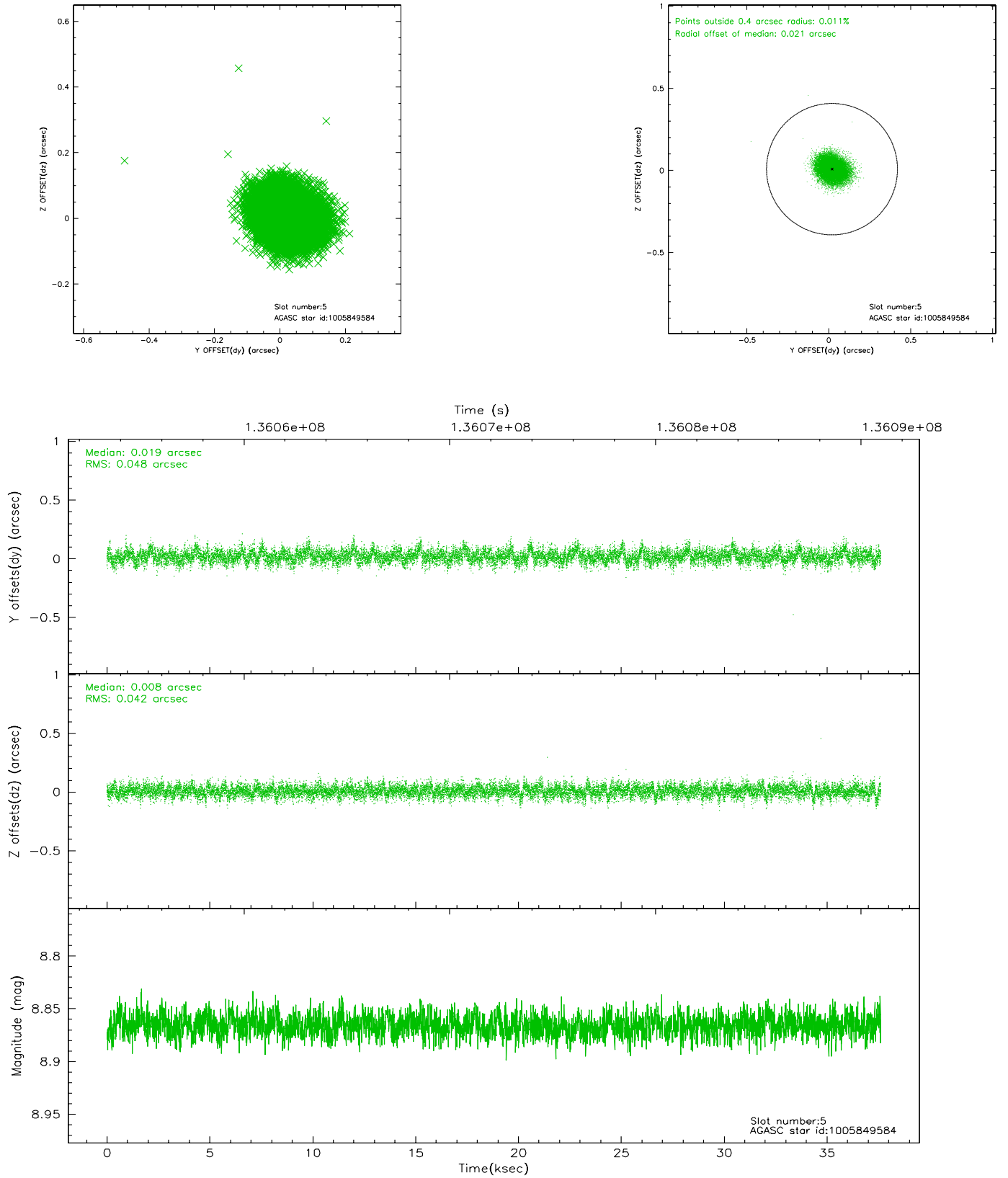
### 2.4.1 Slot 3



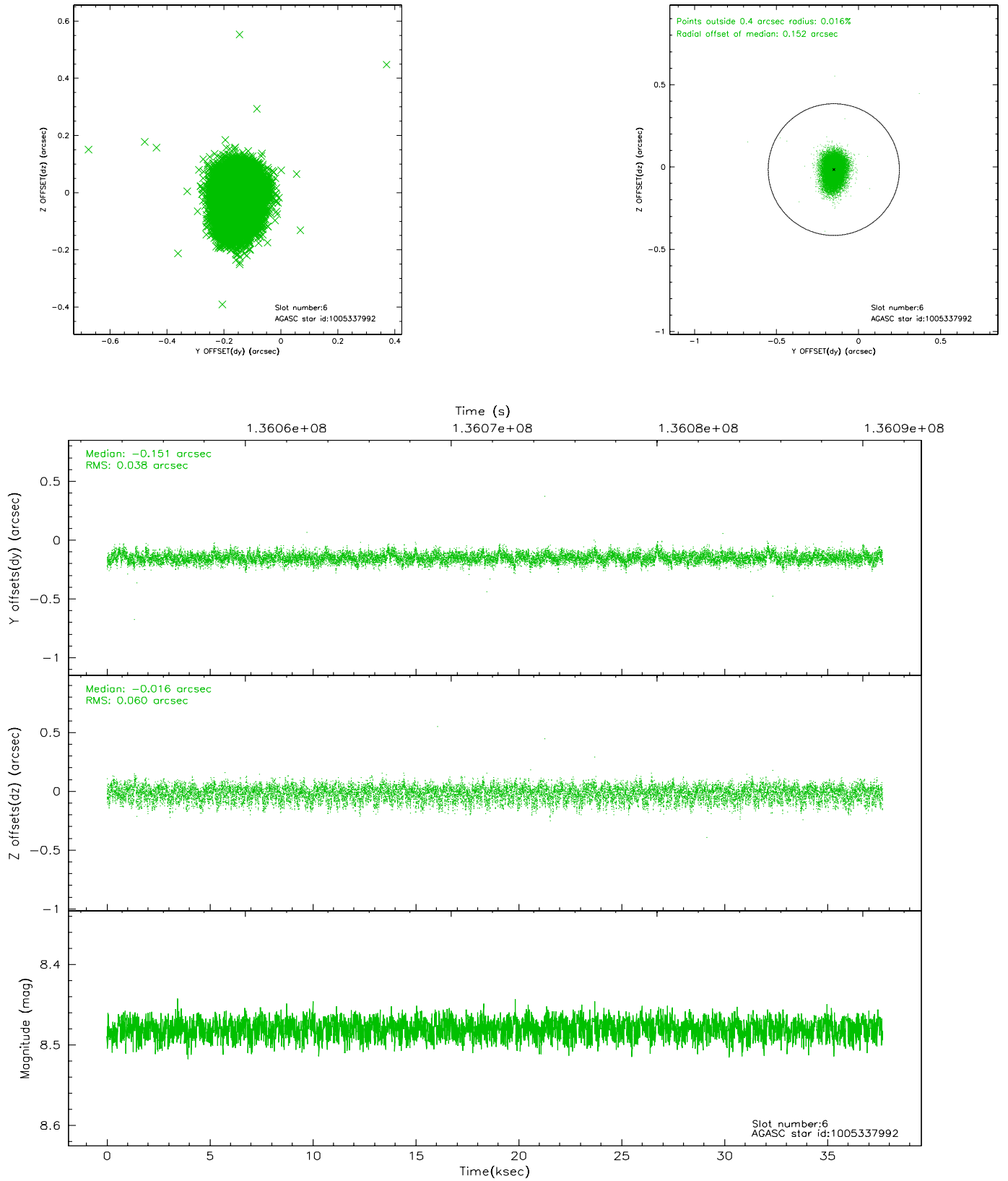
## 2.4.2 Slot 4



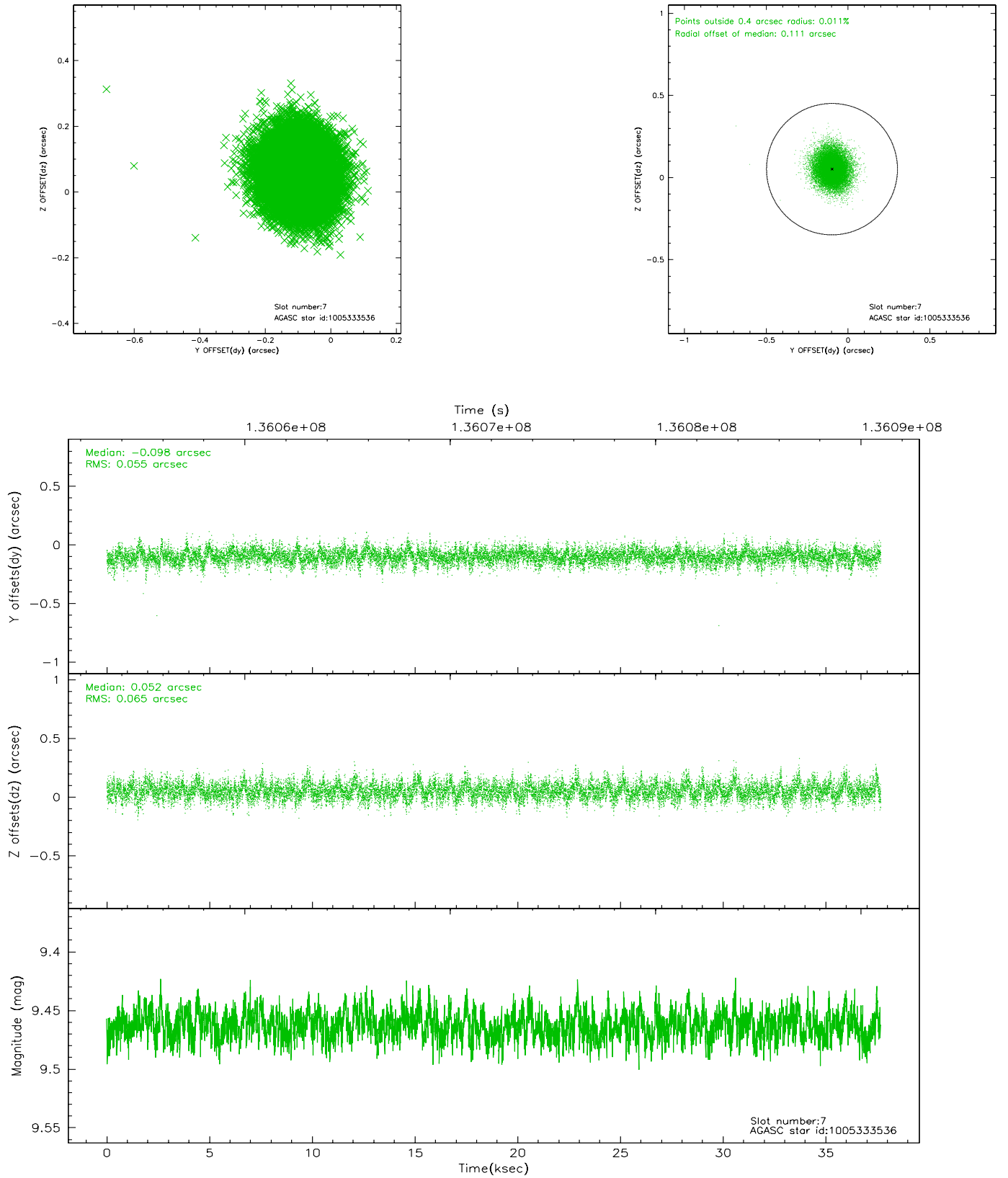
### 2.4.3 Slot 5



## 2.4.4 Slot 6

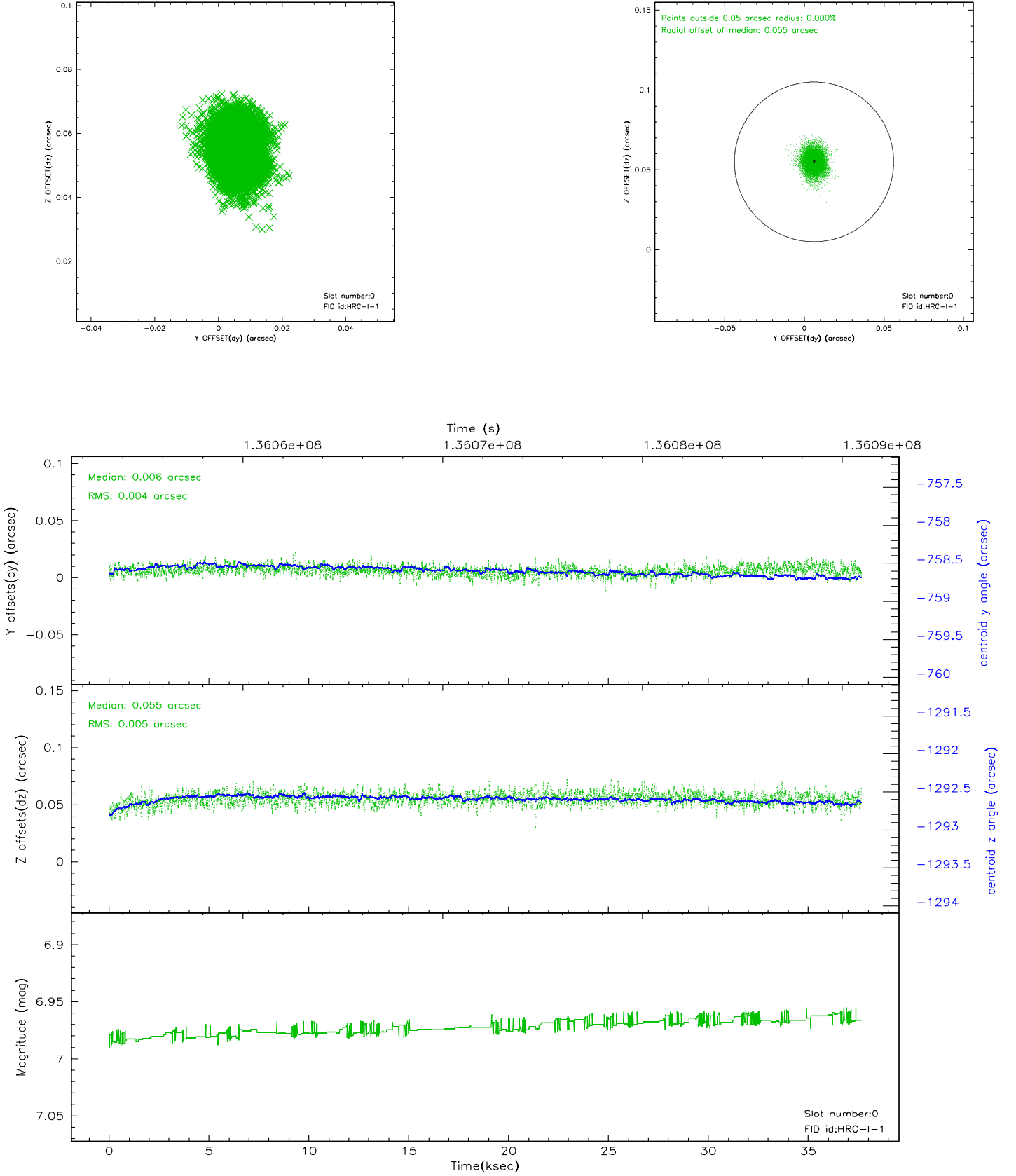


## 2.4.5 Slot 7

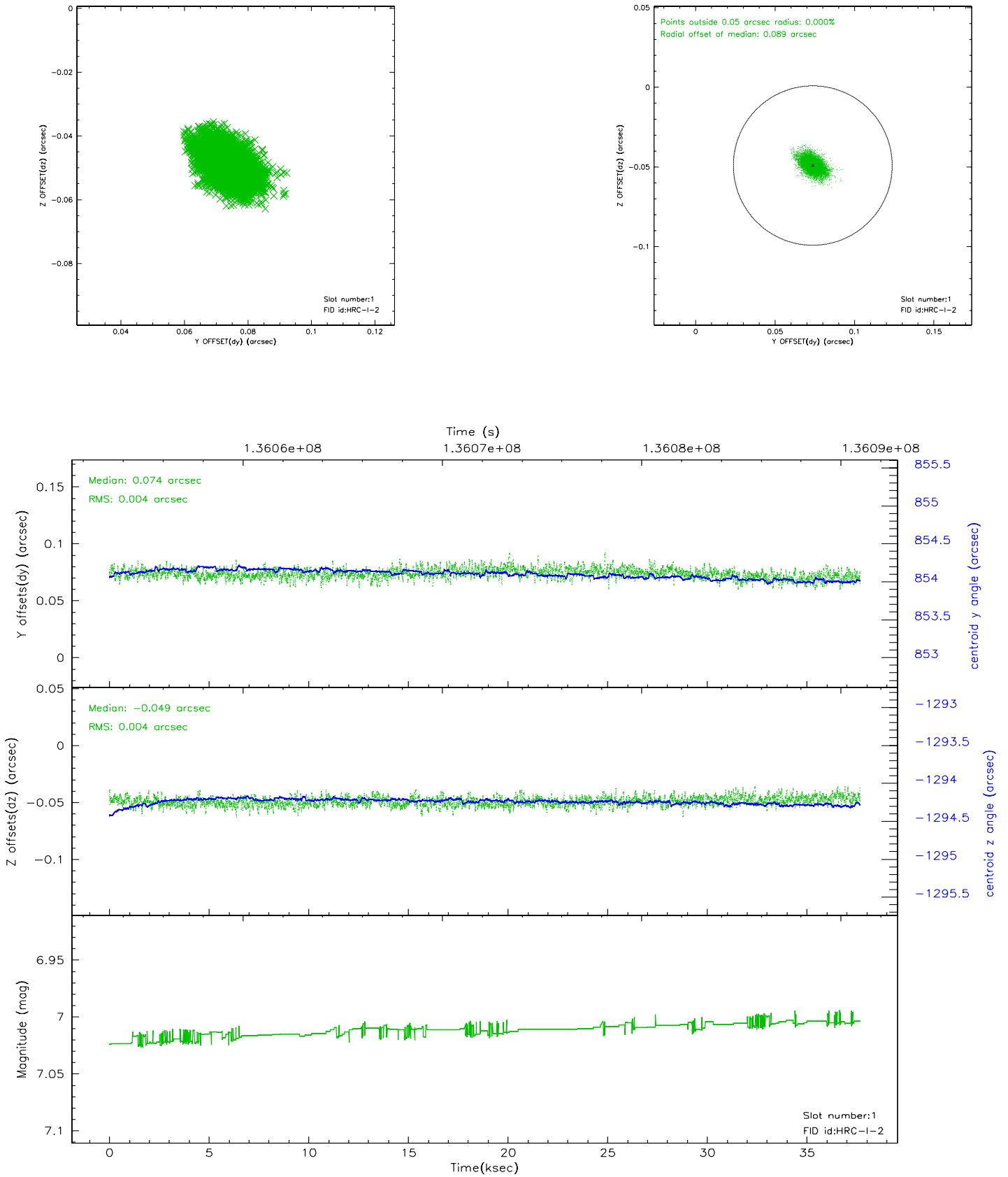


## 2.5 FID Slots

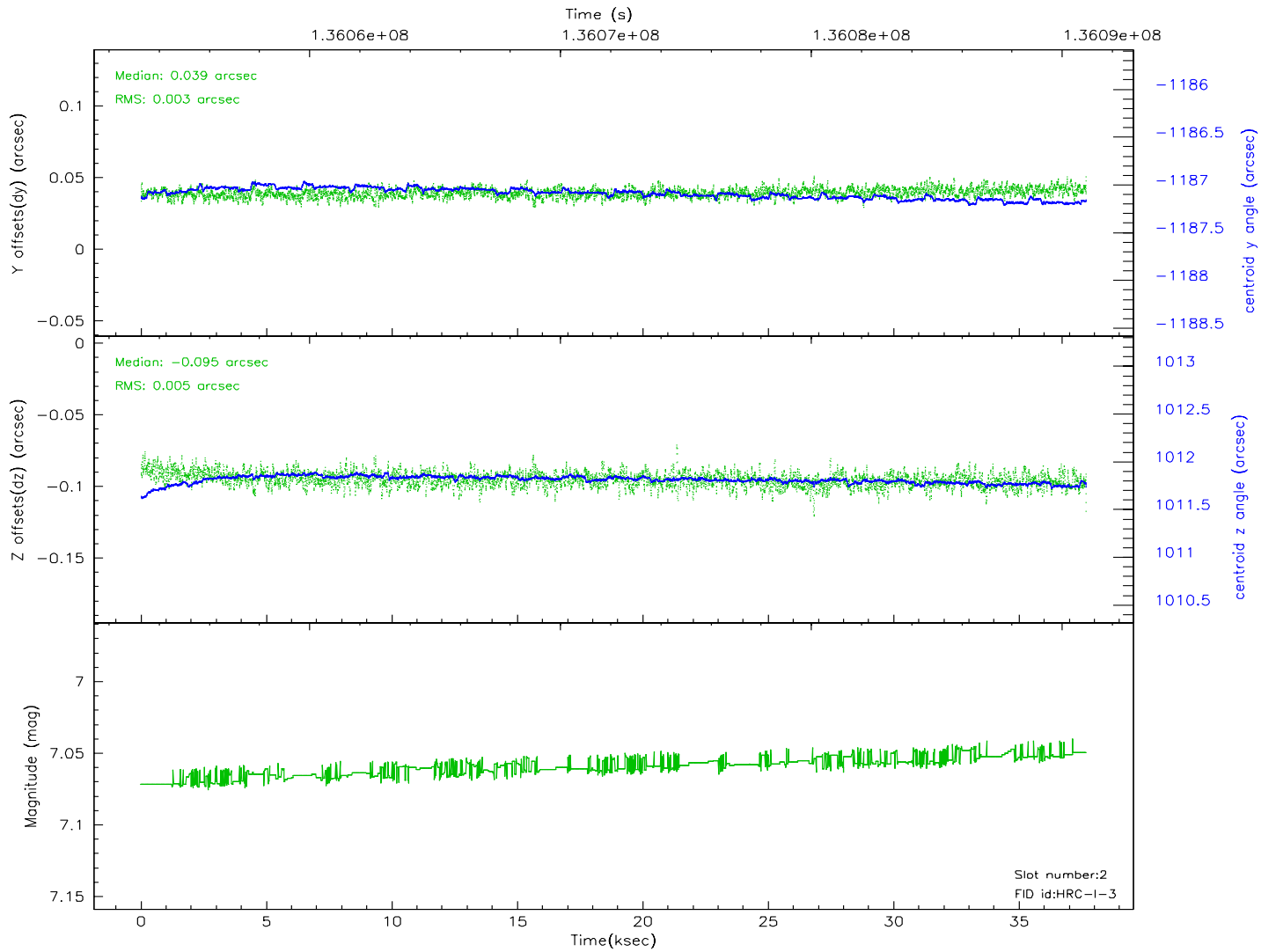
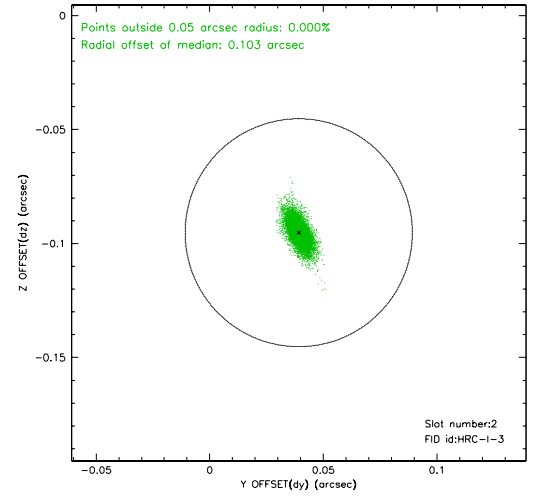
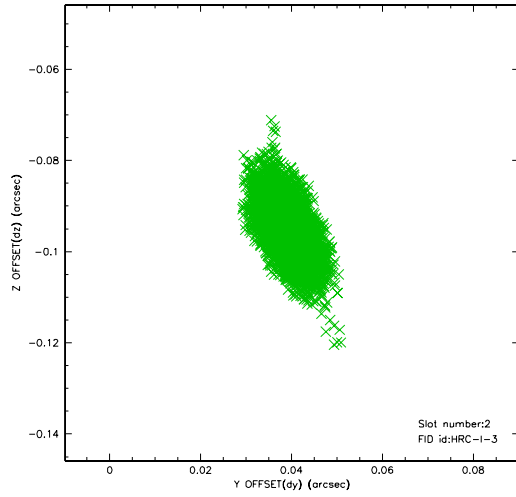
### 2.5.1 Slot 0



## 2.5.2 Slot 1

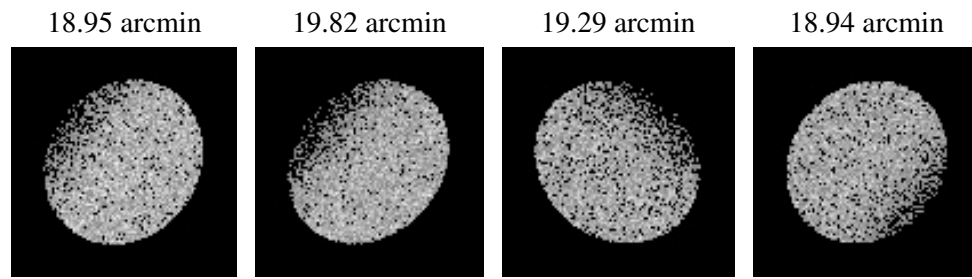


### 2.5.3 Slot 2





### 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	37.369

## 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.