

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3292 - L2 Version 3  
Chandra X-Ray Center

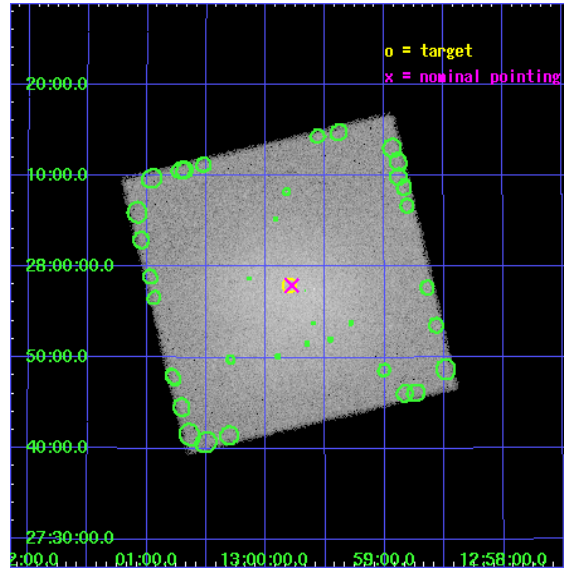
L2 Processing Date : Nov 21 2007

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# 1 Front

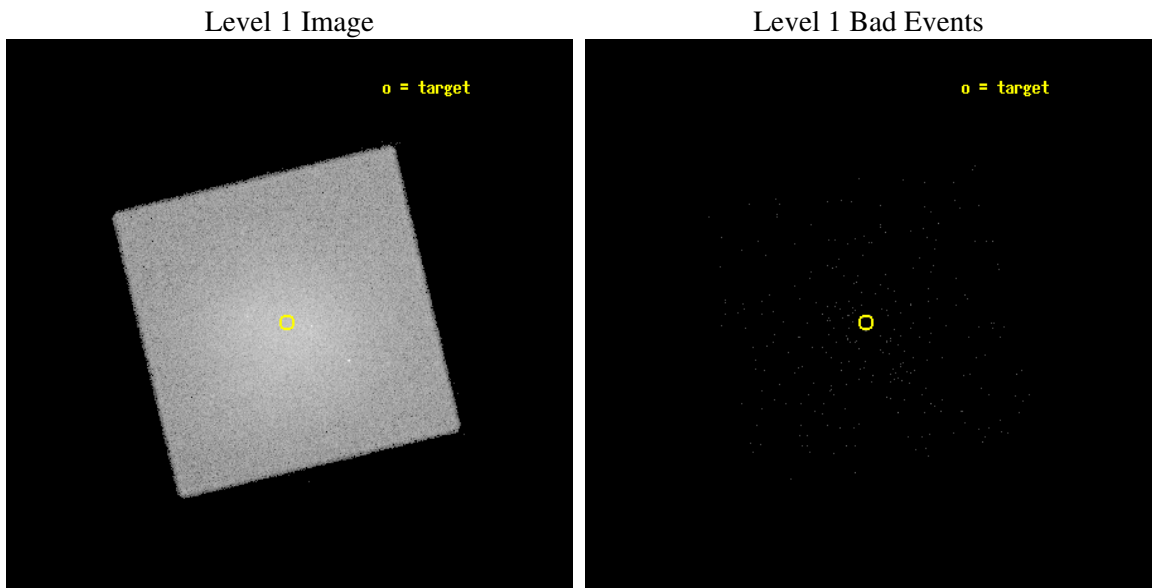
seq_num	890025
obs_id	3292
title	AO3 CALIBRATION OBSERVATIONS OF THE COMA CLUSTER
observer	Dr. CXC Calibration
object	COMA
ra_targ	194.95
dec_targ	27.966667
ra_nom	194.94513314055
dec_nom	27.96595924444
roll_nom	211.50402894199
revision	3
ontime	9981.706656903
livetime	9915.4052197488
l2events	446331



## 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	2007-11-21T21:04:58
revision	3

sched_exp_time	10000.000000
ontime	9981.706656903
l1events	597495

### 2.1.3 Events

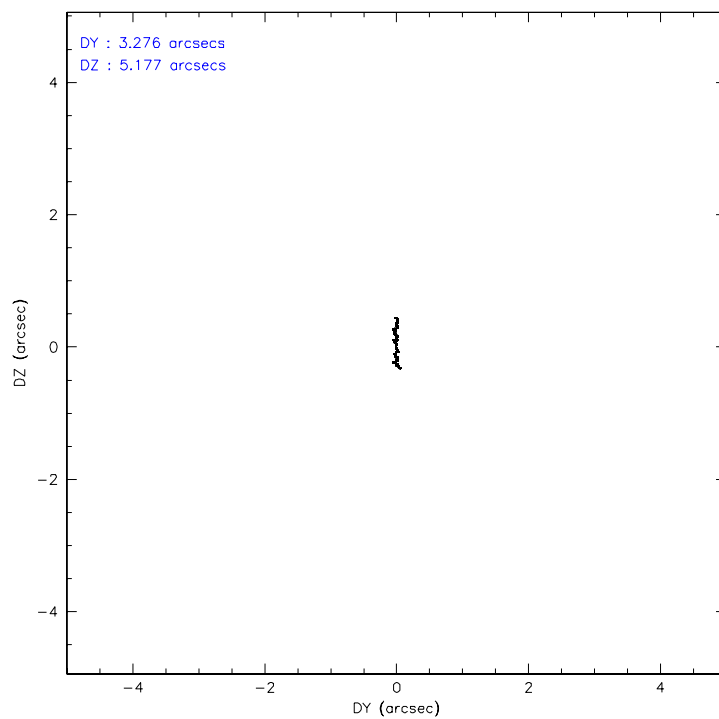
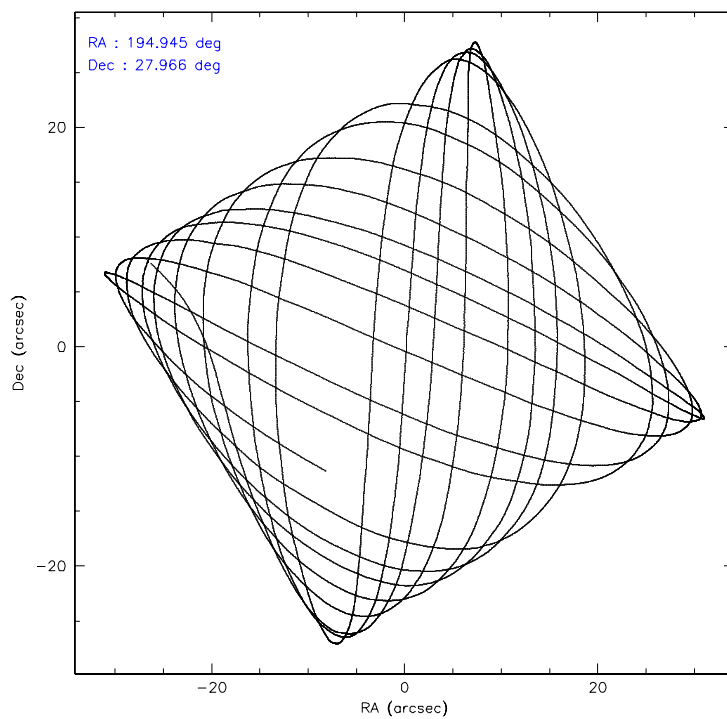
#### Level 1 Events

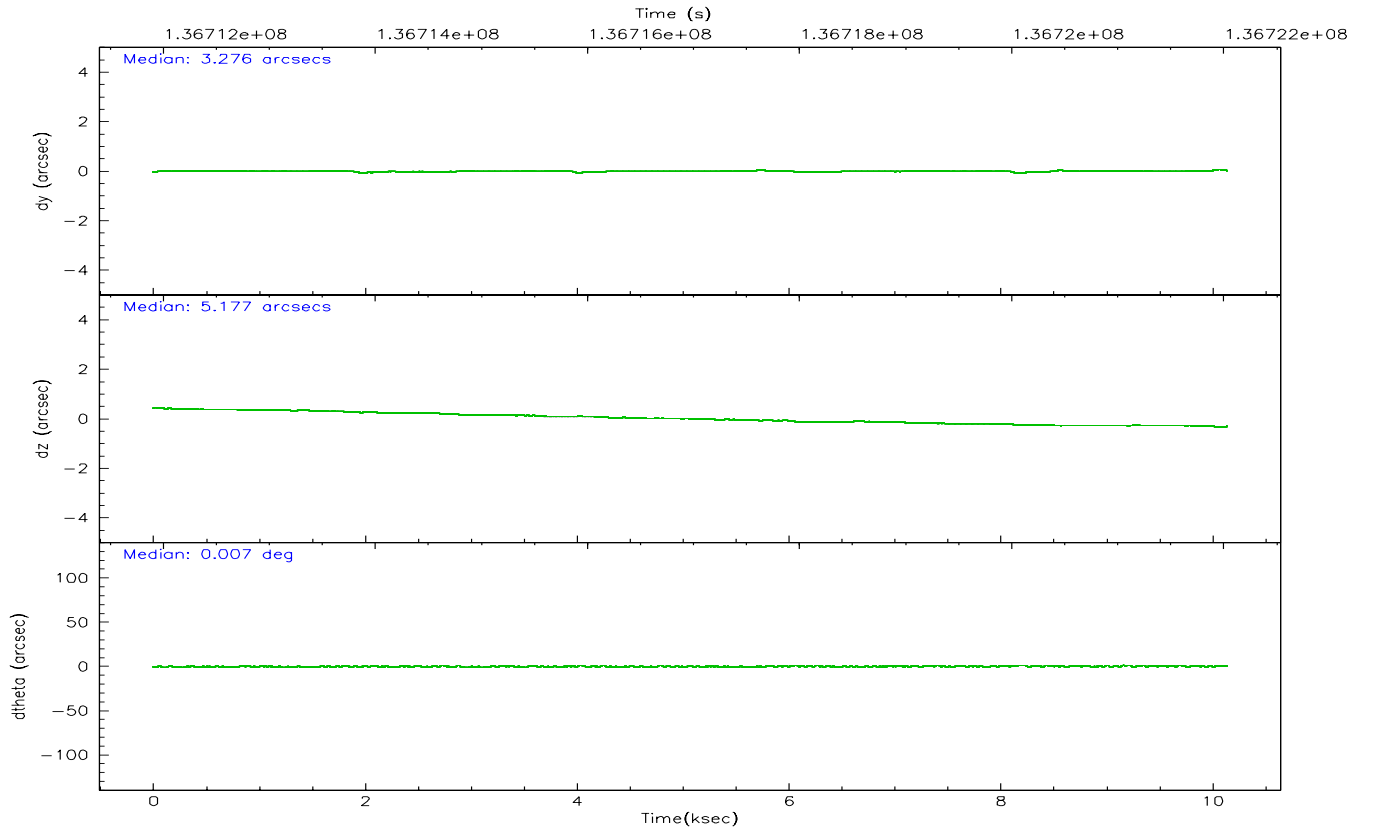
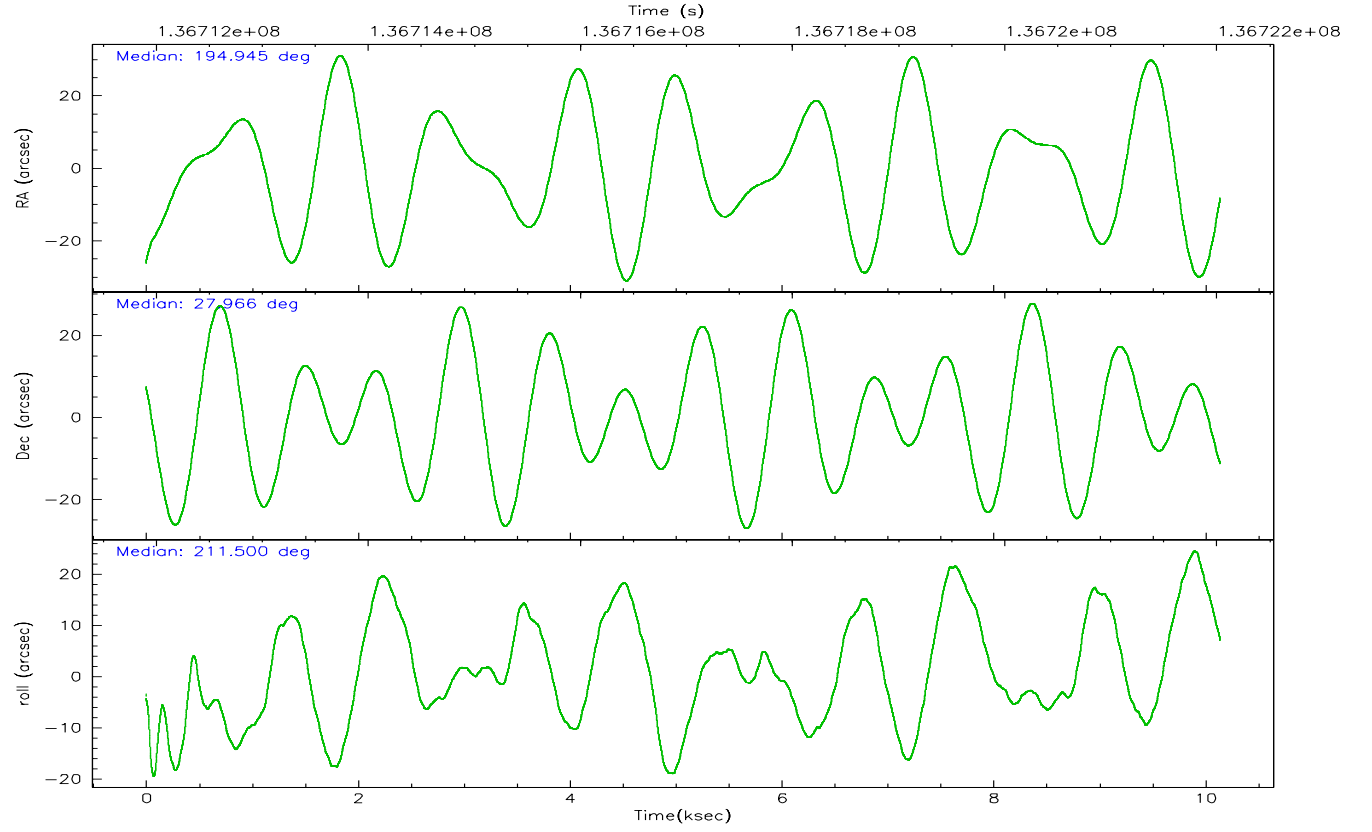
	<b>segment 0</b>
level 1 events	597495
rejected events	5564
rejected %	0%

## 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	194.959348	194.9451331405485			
Pointing Dec	27.990138	27.96595924444038			
Pointing Roll	211.592823	211.5040289419941			
Window start time	134006464.184000	134006464.184000			
Window stop time	139190464.184000	139190464.184000			
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	136712040.184000	136711214.68575			
Observation start date	2002-05-02T07:32:56	2002-05-02T07:20:14			
Observation end time	136722040.184000	136722541.96121			
Observation end date	2002-05-02T10:19:36	2002-05-02T10:29:01			

## 2.3 Aspect





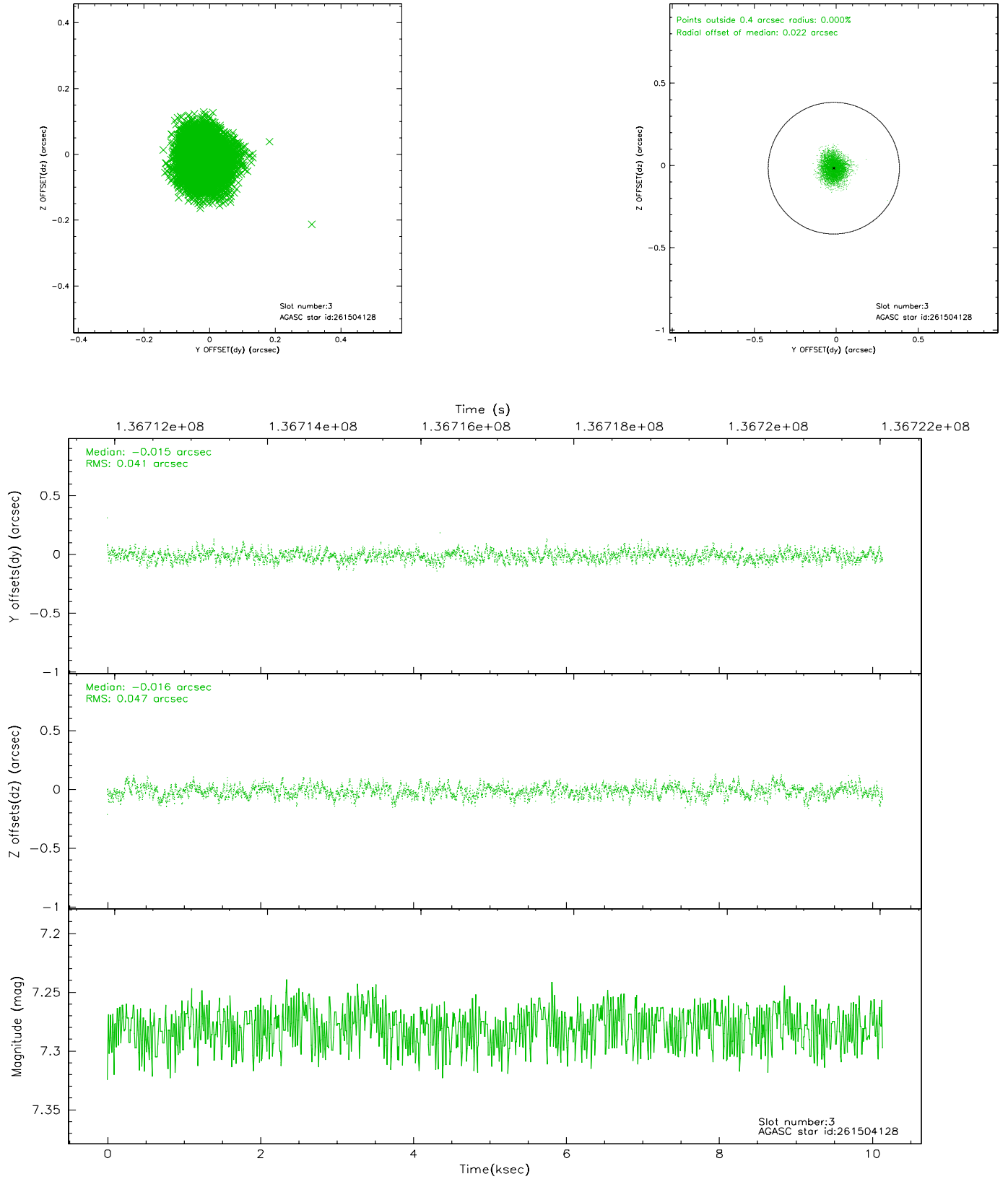
Slot Statistics

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	2474	0.000	0.042	0.013	0.020	0.000000	0.000000	-758.72	-1292.97
1	FID	HRC-I-2	7.01	2474	0.076	-0.042	0.008	0.013	0.000000	0.000000	853.68	-1295.11
2	FID	HRC-I-3	7.06	2474	0.043	-0.090	0.008	0.015	0.000000	0.000000	-1186.87	1010.94
3	GUIDE	261504128	7.28	4947	-0.015	-0.016	0.067	0.106	194.640935	28.319570	236.89	-1539.42
4	GUIDE	261494640	9.93	4933	-0.063	-0.022	0.119	0.199	195.174515	28.510071	-1561.41	-1238.08
5	GUIDE	261495096	9.93	4947	-0.053	0.146	0.132	0.221	194.411078	28.430653	644.58	-2262.88
6	GUIDE	261498392	8.32	4947	0.212	-0.073	0.065	0.108	194.888587	28.238913	-278.61	-880.34
7	GUIDE	261492080	9.28	4947	-0.082	-0.030	0.100	0.162	194.976344	28.631585	-1256.50	-1938.45

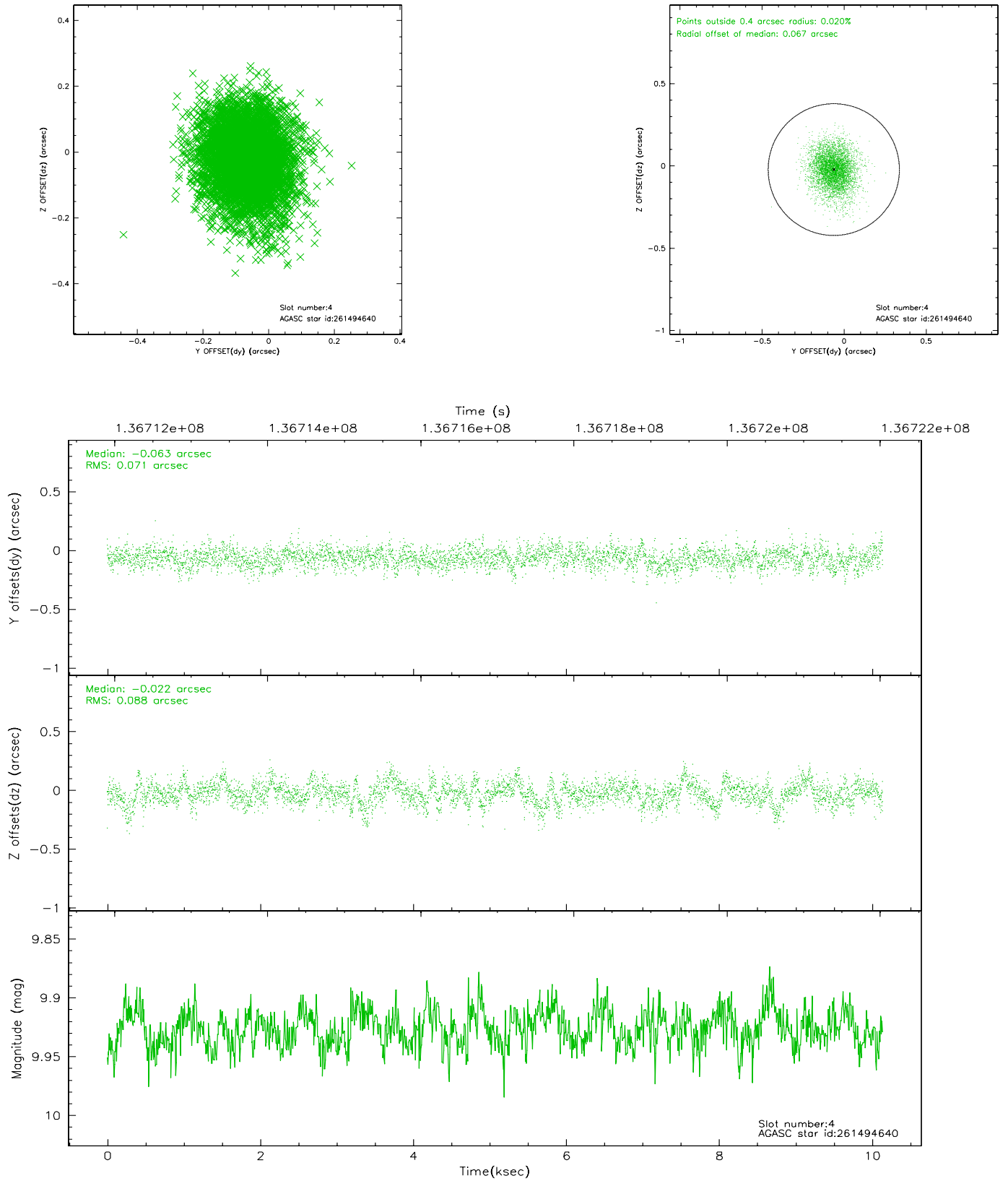


## 2.4 Star Slots

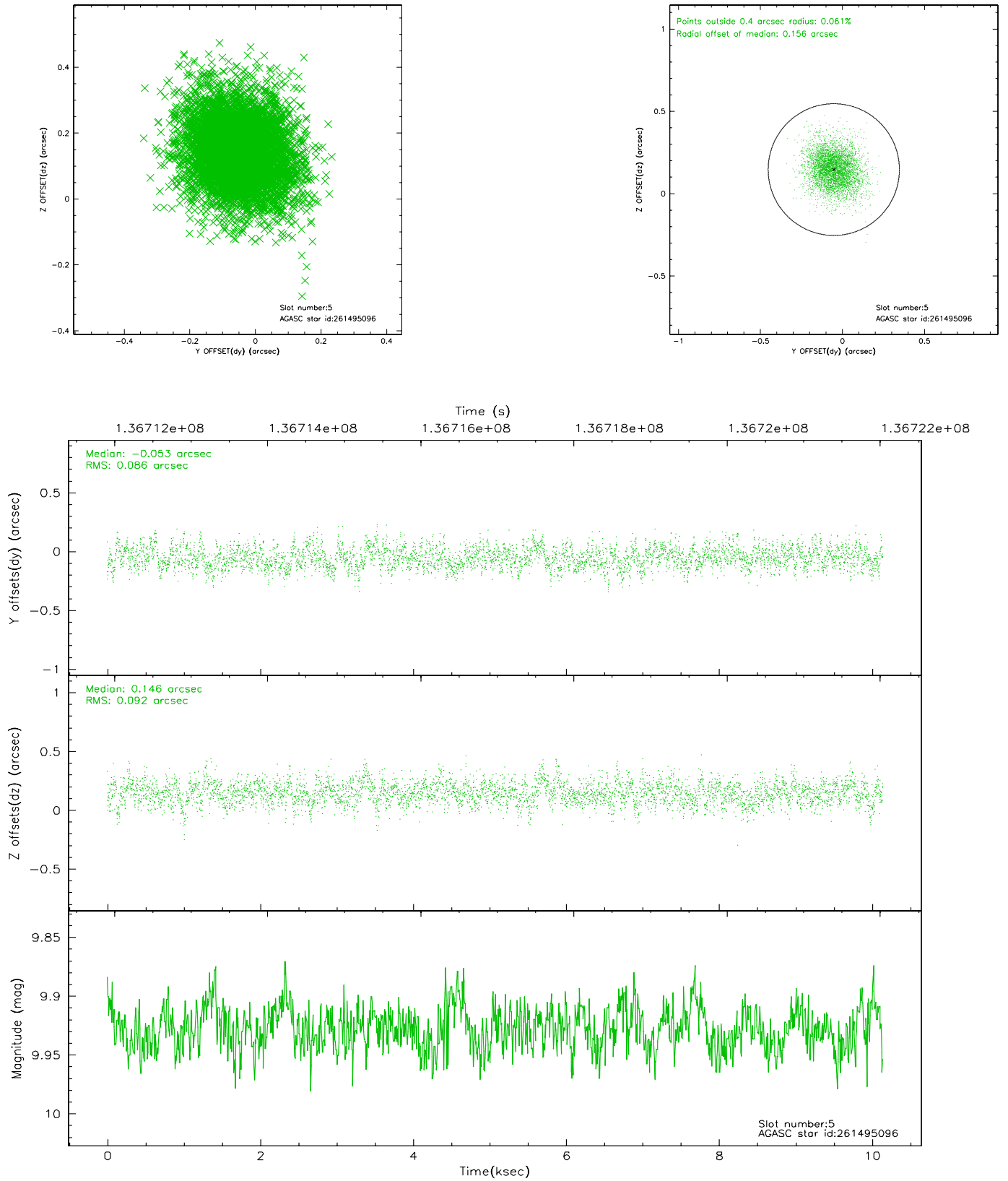
### 2.4.1 Slot 3



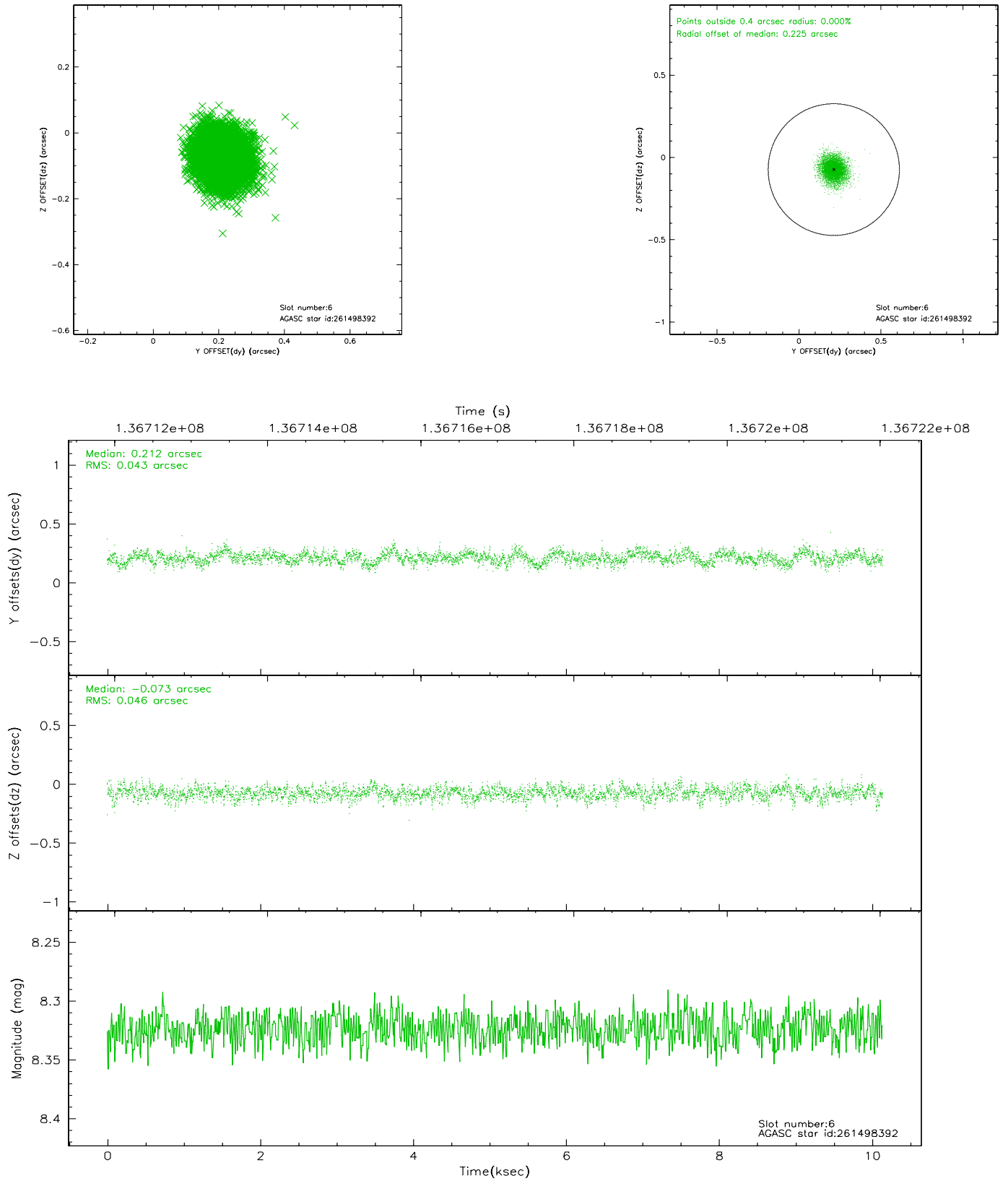
## 2.4.2 Slot 4



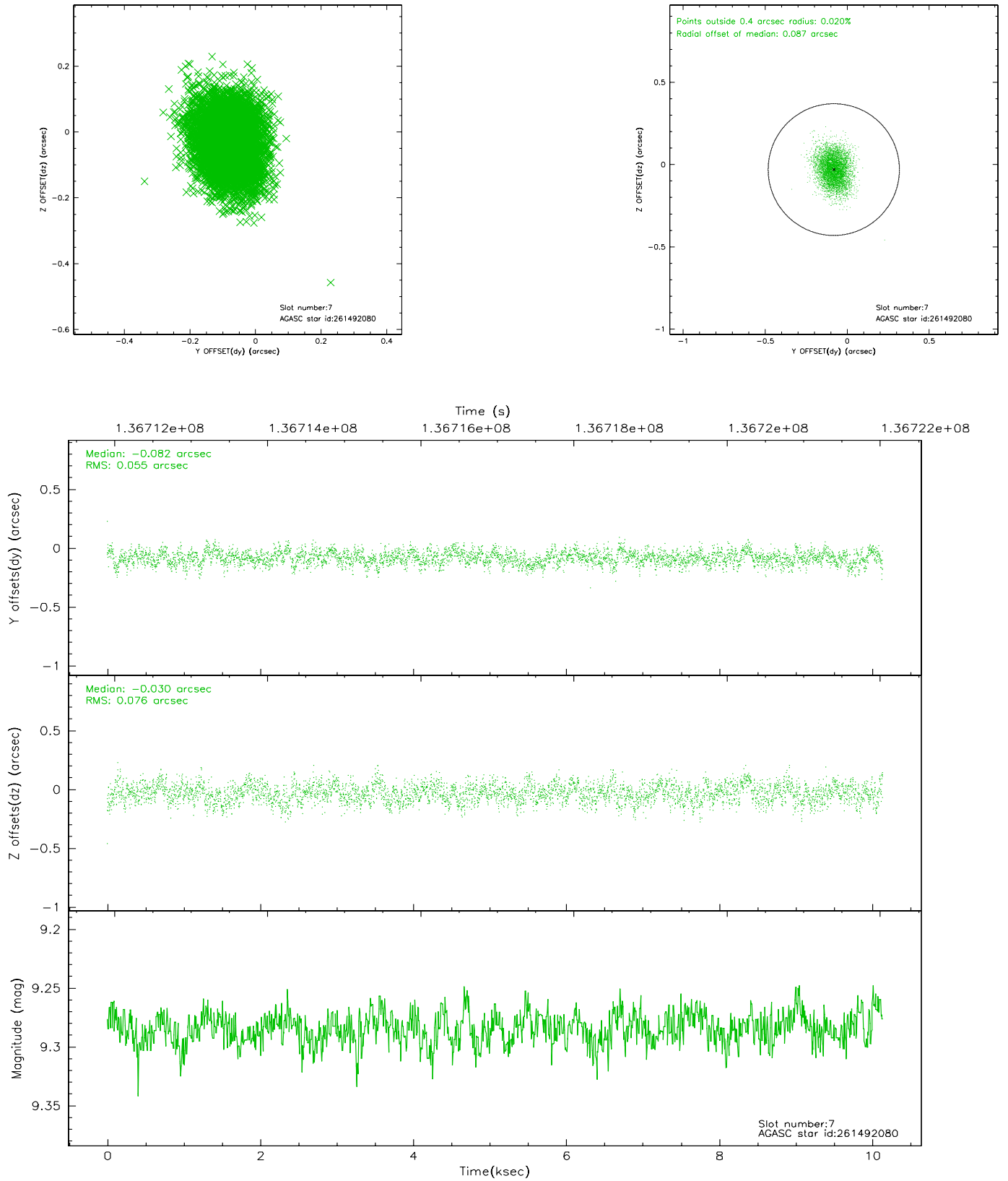
### 2.4.3 Slot 5



## 2.4.4 Slot 6

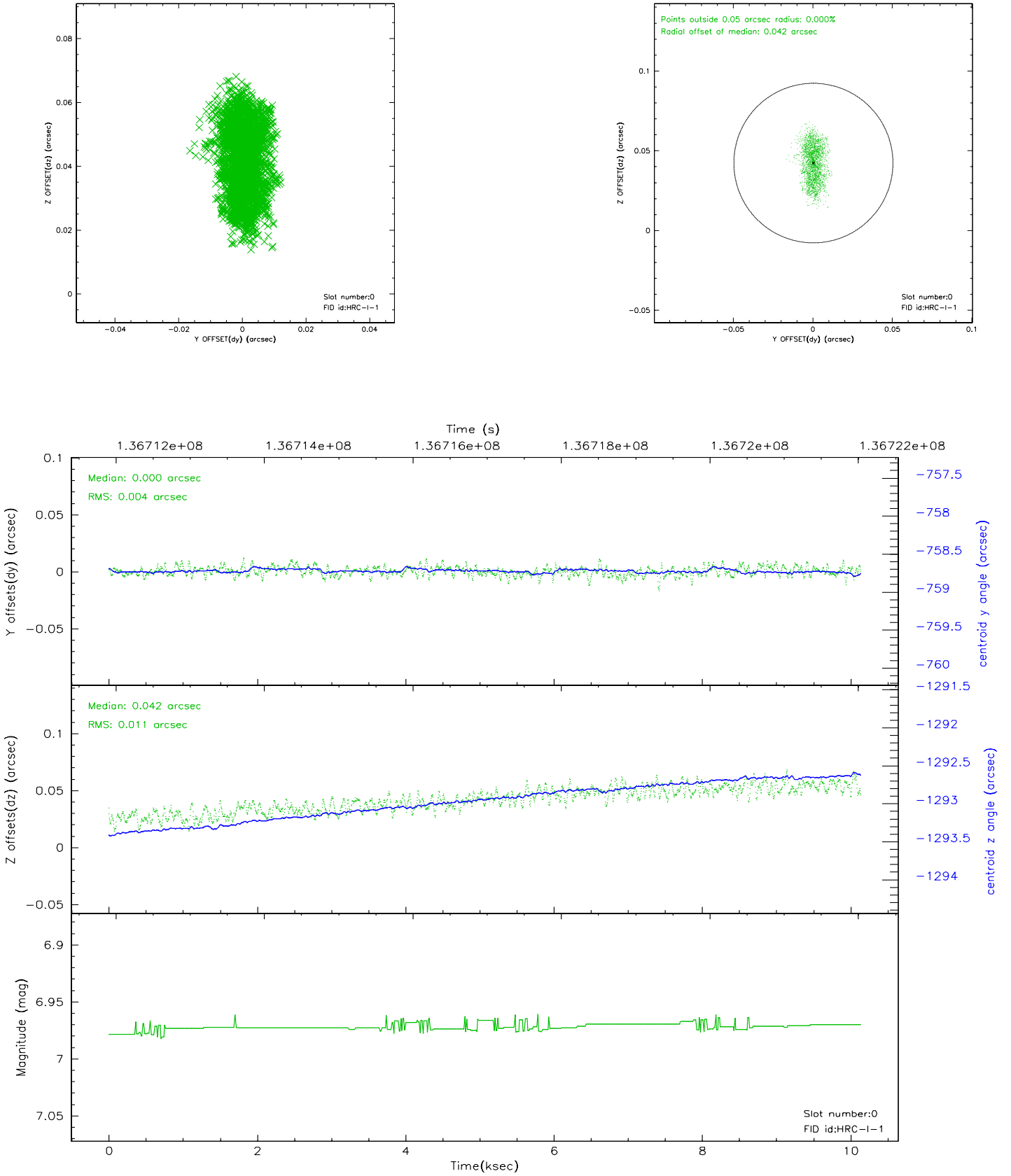


## 2.4.5 Slot 7

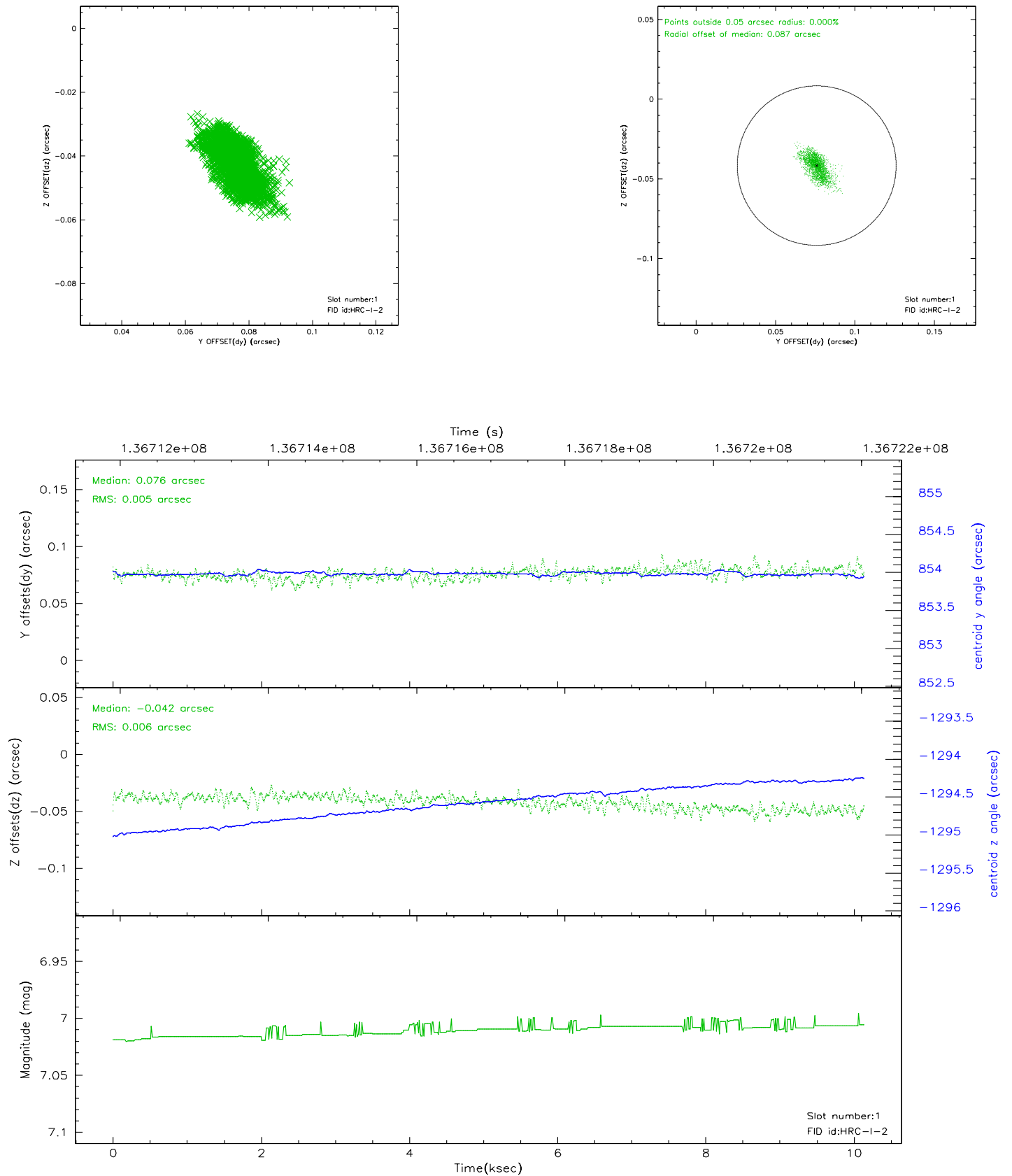


## 2.5 FID Slots

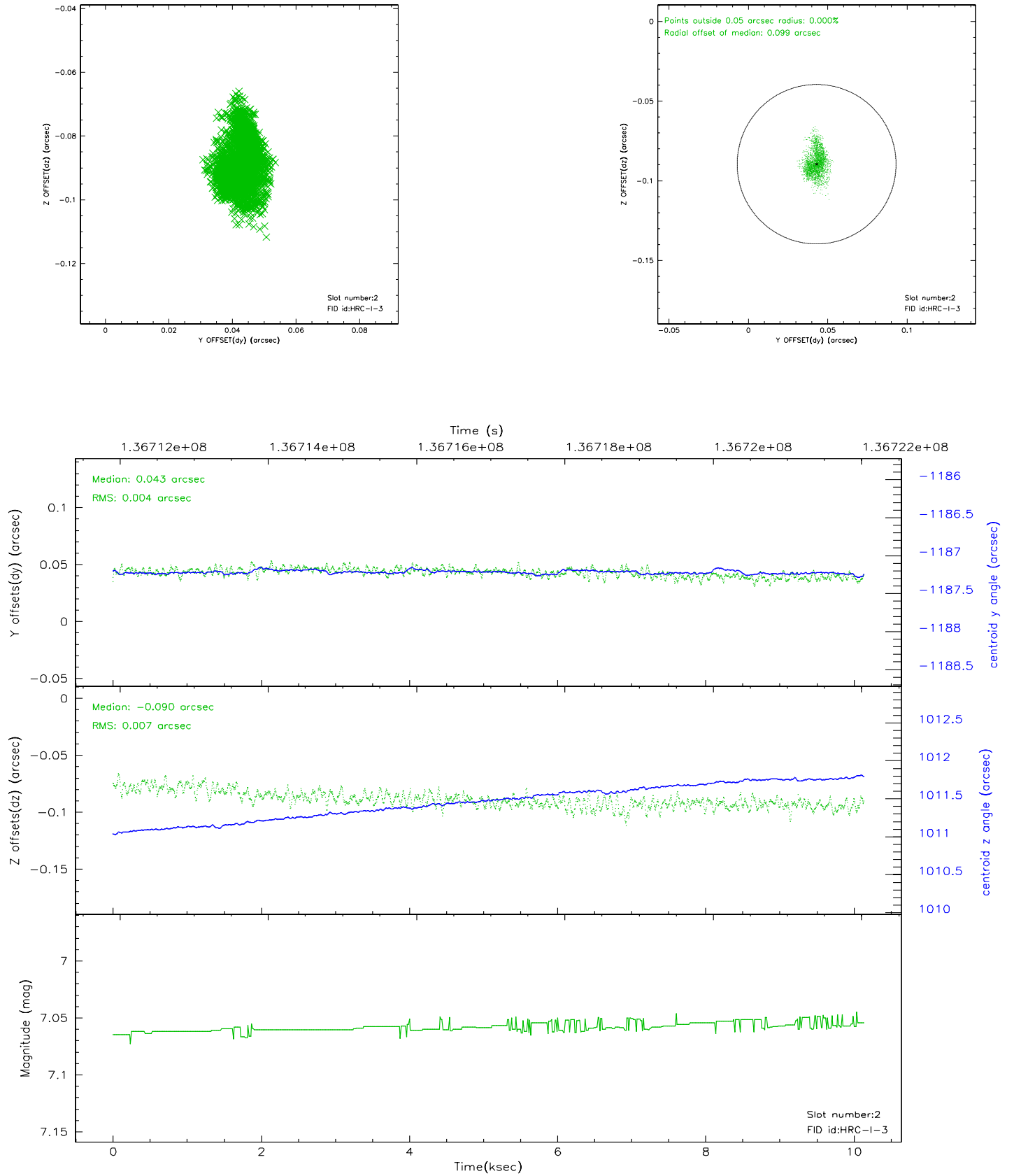
### 2.5.1 Slot 0



## 2.5.2 Slot 1

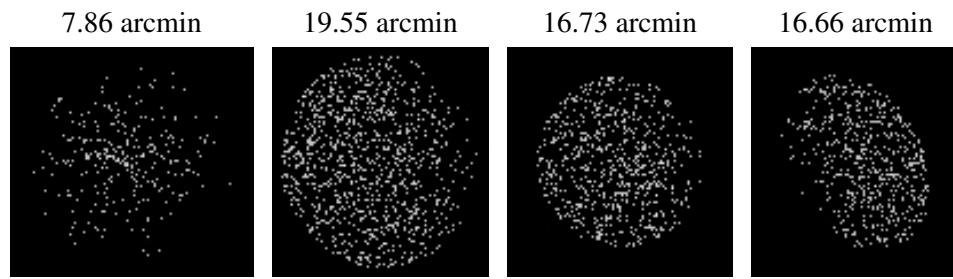


### 2.5.3 Slot 2





### 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	9.981

## A.2 Comments

Window constraint 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.