

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1670 - L2 Version 4  
Chandra X-Ray Center

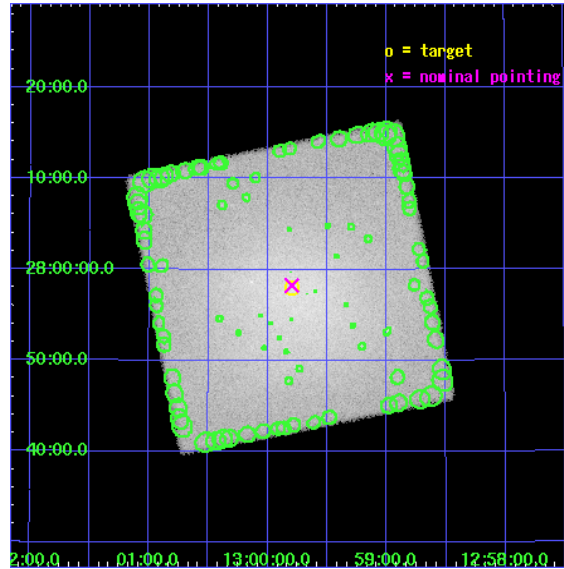
L2 Processing Date : Nov 21 2007

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# 1 Front

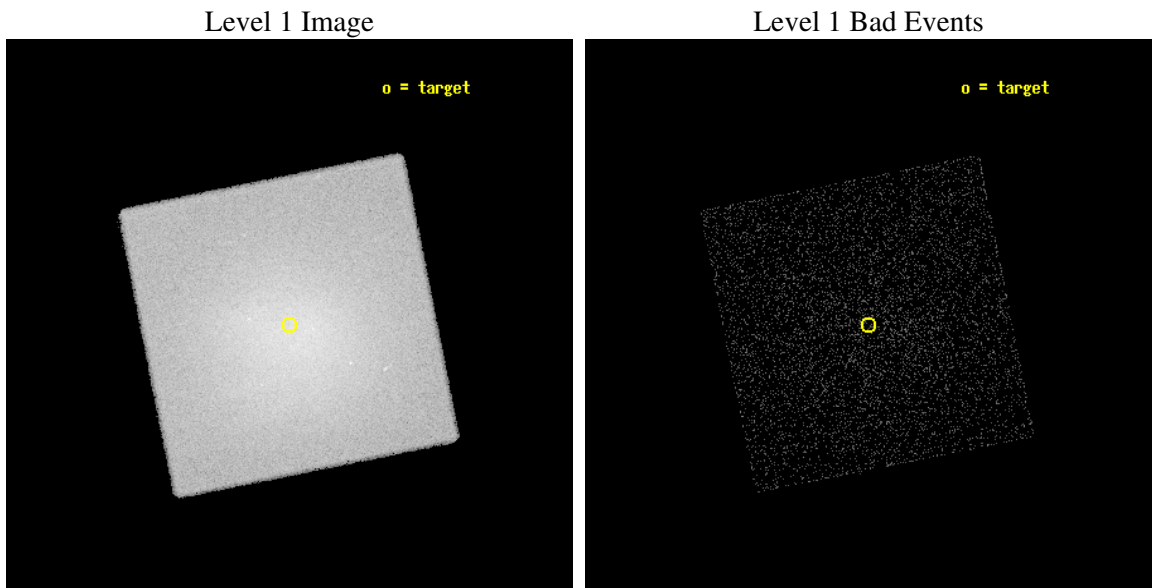
seq_num	890024
obs_id	1670
title	HRC-I CALIBRATION OBSERVATION OF THE COMA CLUSTER
observer	Dr. CXC Calibration
object	COMA
ra_targ	194.95
dec_targ	27.966667
ra_nom	194.94897987182
dec_nom	27.970893953491
roll_nom	123.70937309197
revision	4
ontime	17870.106940508
livetime	17756.438276999
l2events	765875



## 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	2007-11-21T09:25:57
revision	4

sched_exp_time	18000.000000
ontime	17870.106940508
l1events	1035633

### 2.1.3 Events

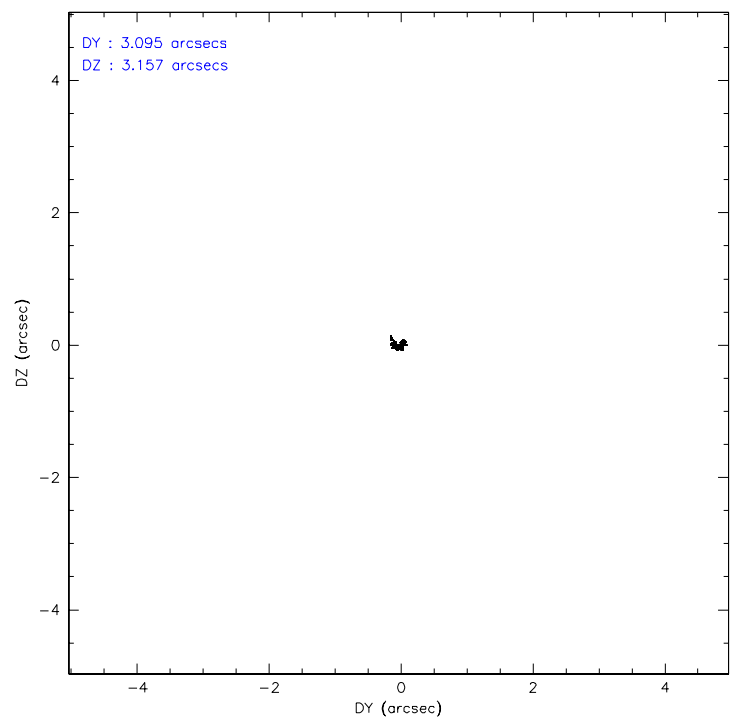
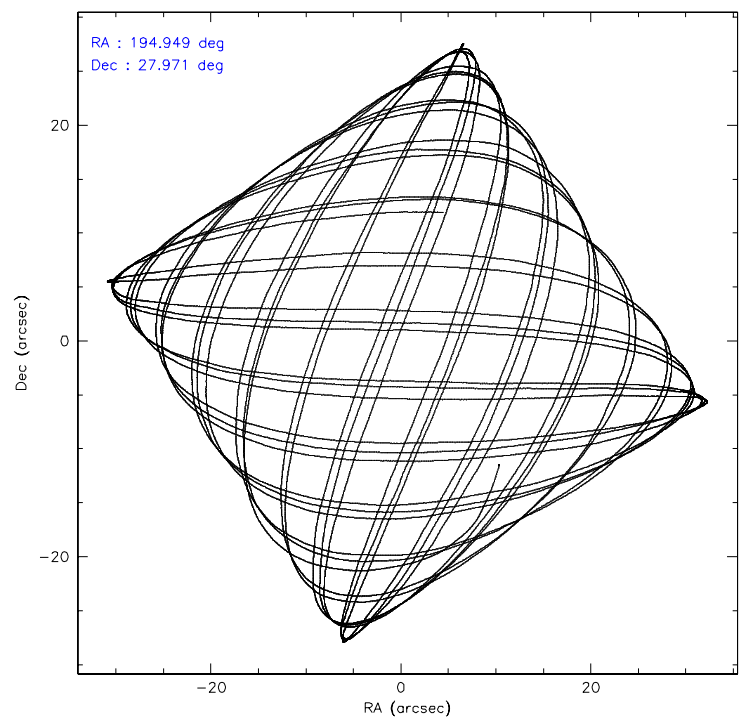
#### Level 1 Events

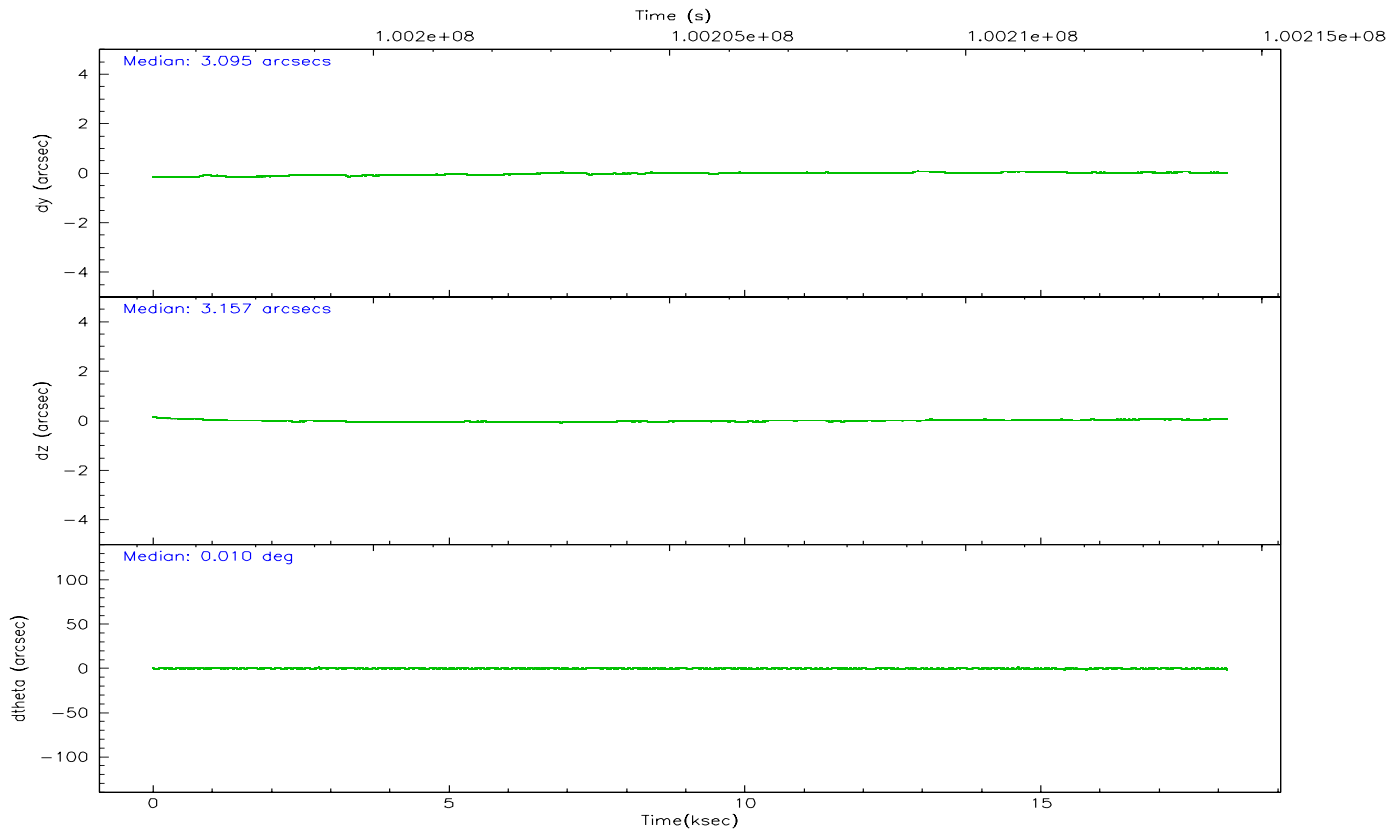
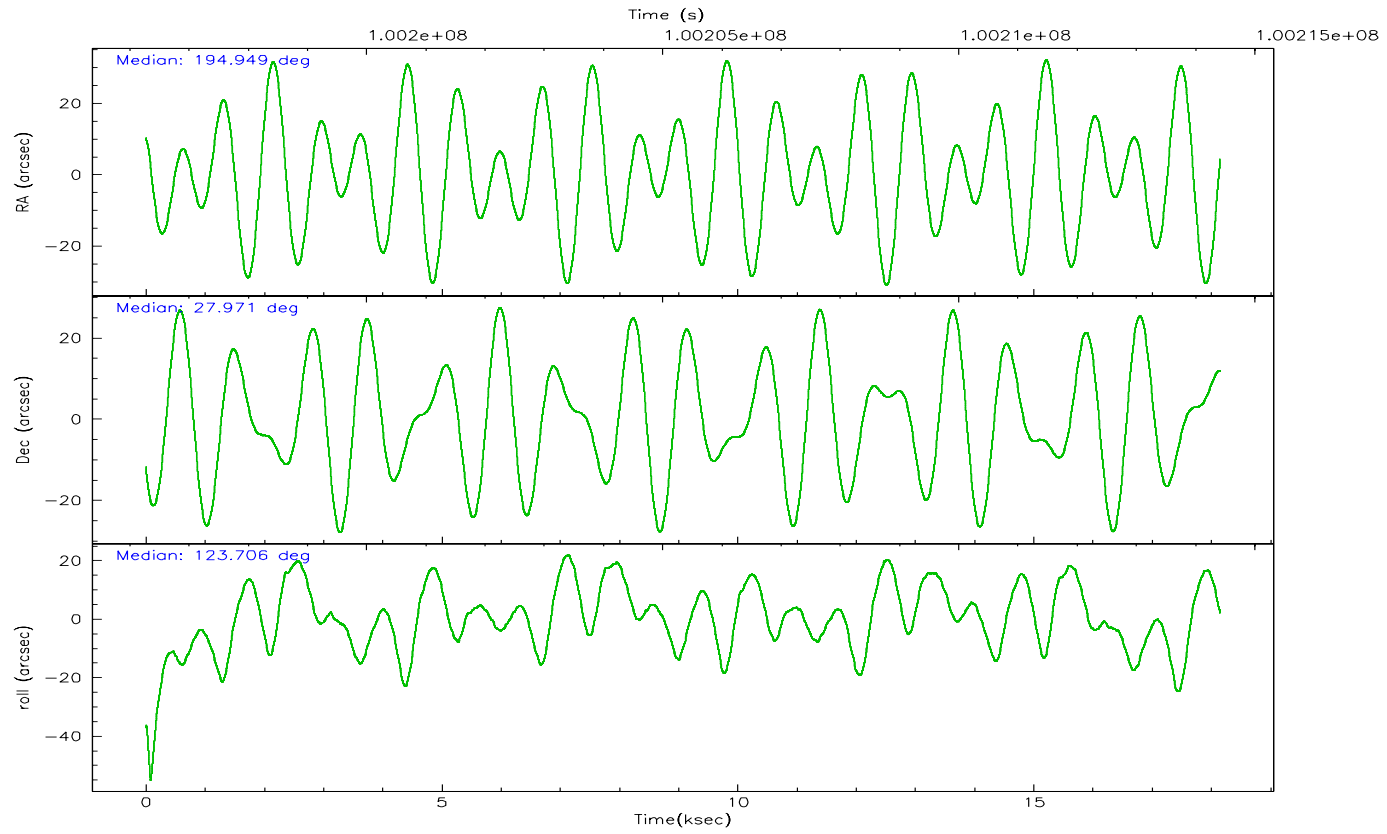
	<b>segment 0</b>
level 1 events	1035633
rejected events	31020
rejected %	2%

## 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	194.976913	194.9489798718166			
Pointing Dec	27.959321	27.97089395349099			
Pointing Roll	123.791747	123.7093730919651			
Window start time	97372864.184000	97372864.184000			
Window stop time	102124864.184000	102124864.184000			
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	100196421.184000	100195684.58801			
Observation start date	2001-03-05T16:19:17	2001-03-05T16:08:04			
Observation end time	100214421.184000	100215148.31376			
Observation end date	2001-03-05T21:19:17	2001-03-05T21:32:28			

## 2.3 Aspect



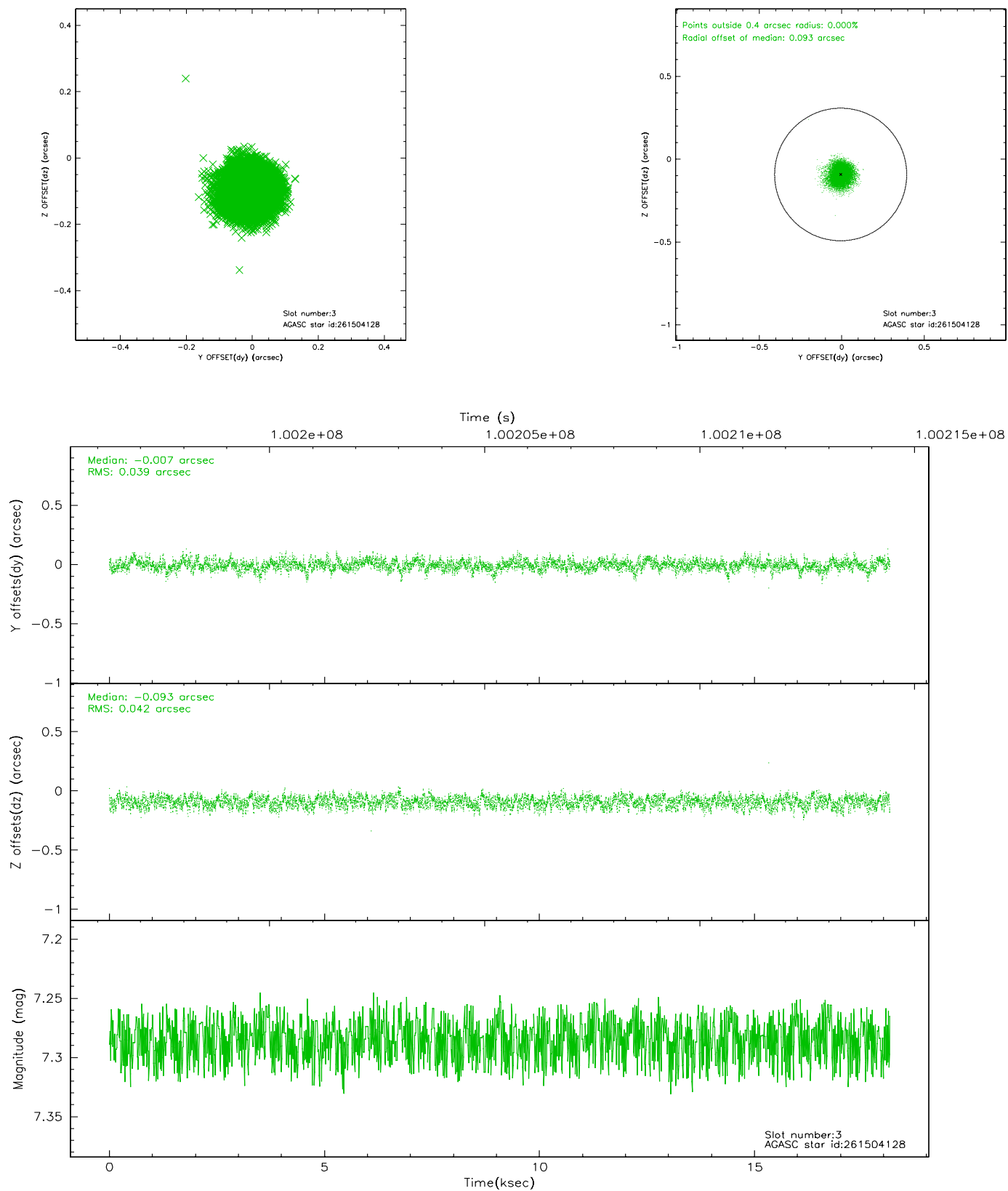


Slot Statistics

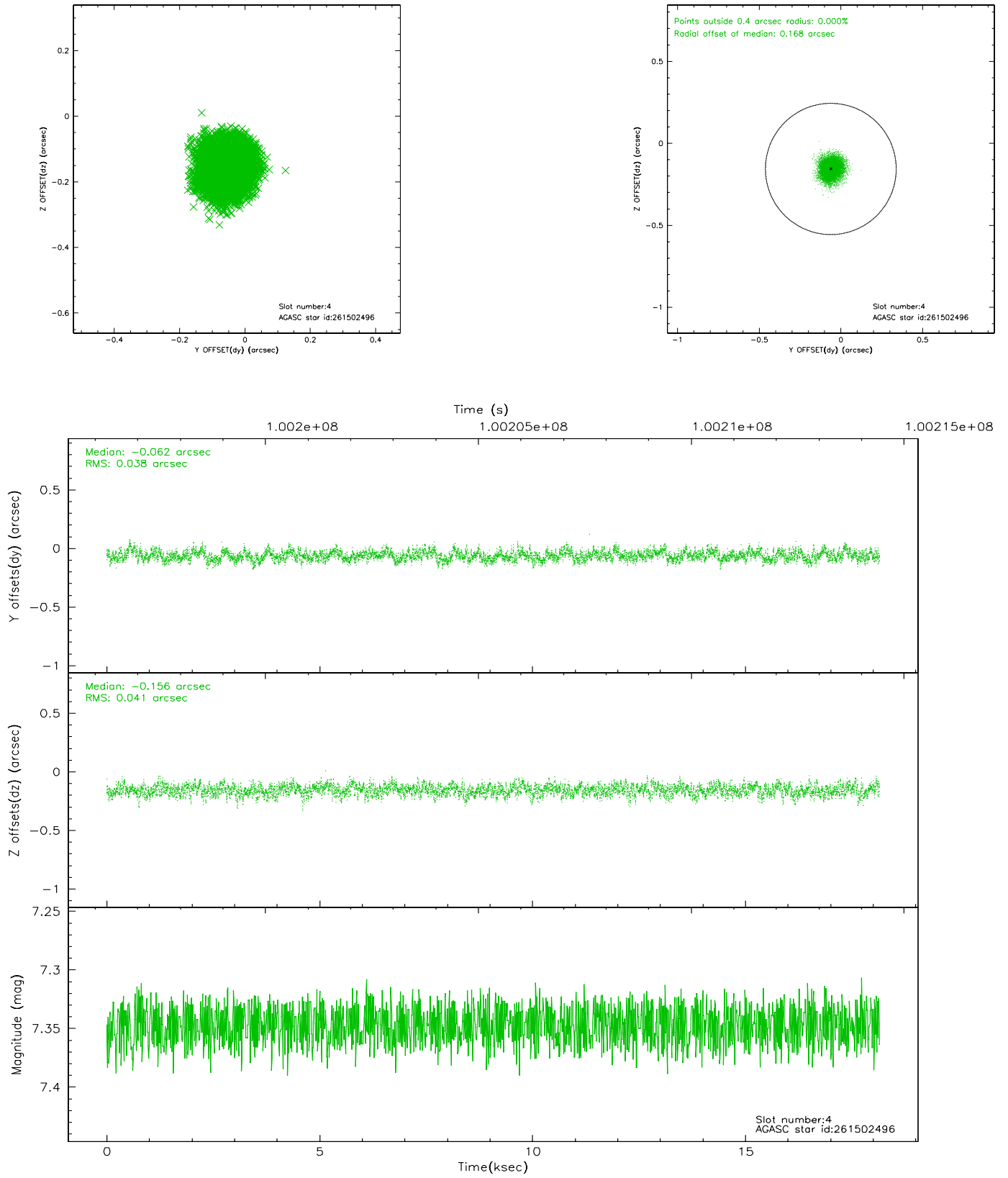
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	4427	0.081	0.037	0.006	0.010	0.000000	0.000000	-758.51	-1290.79
1	FID	HRC-I-3	7.05	4427	-0.002	-0.043	0.007	0.011	0.000000	0.000000	-1187.19	1013.42
2	FID	HRC-I-4	6.98	4426	0.034	-0.083	0.006	0.009	0.000000	0.000000	1284.03	1011.43
3	GUIDE	261504128	7.28	8854	-0.007	-0.093	0.061	0.097	194.640935	28.319570	1671.16	162.51
4	GUIDE	261502496	7.35	8854	-0.062	-0.156	0.060	0.096	194.887297	28.065668	476.59	23.13
5	GUIDE	261498392	8.31	8853	0.089	0.241	0.073	0.117	194.888587	28.238913	992.42	-327.12
6	GUIDE	261505232	9.79	8848	0.011	-0.009	0.131	0.213	194.216553	27.802521	883.58	2321.69
7	GUIDE	261490800	10.18	8846	-0.033	0.011	0.165	0.282	195.029641	27.224508	-2292.43	1330.83

## 2.4 Star Slots

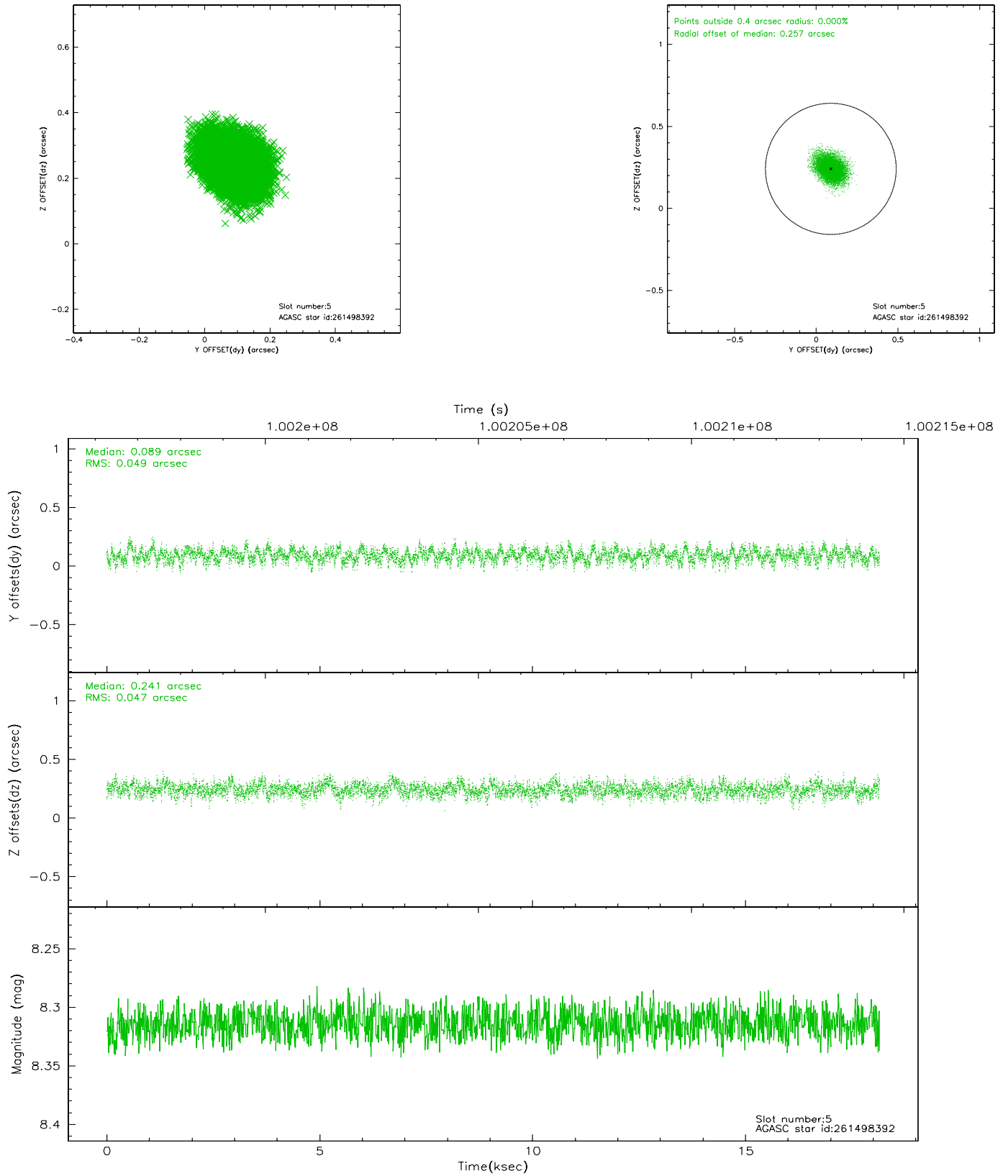
### 2.4.1 Slot 3



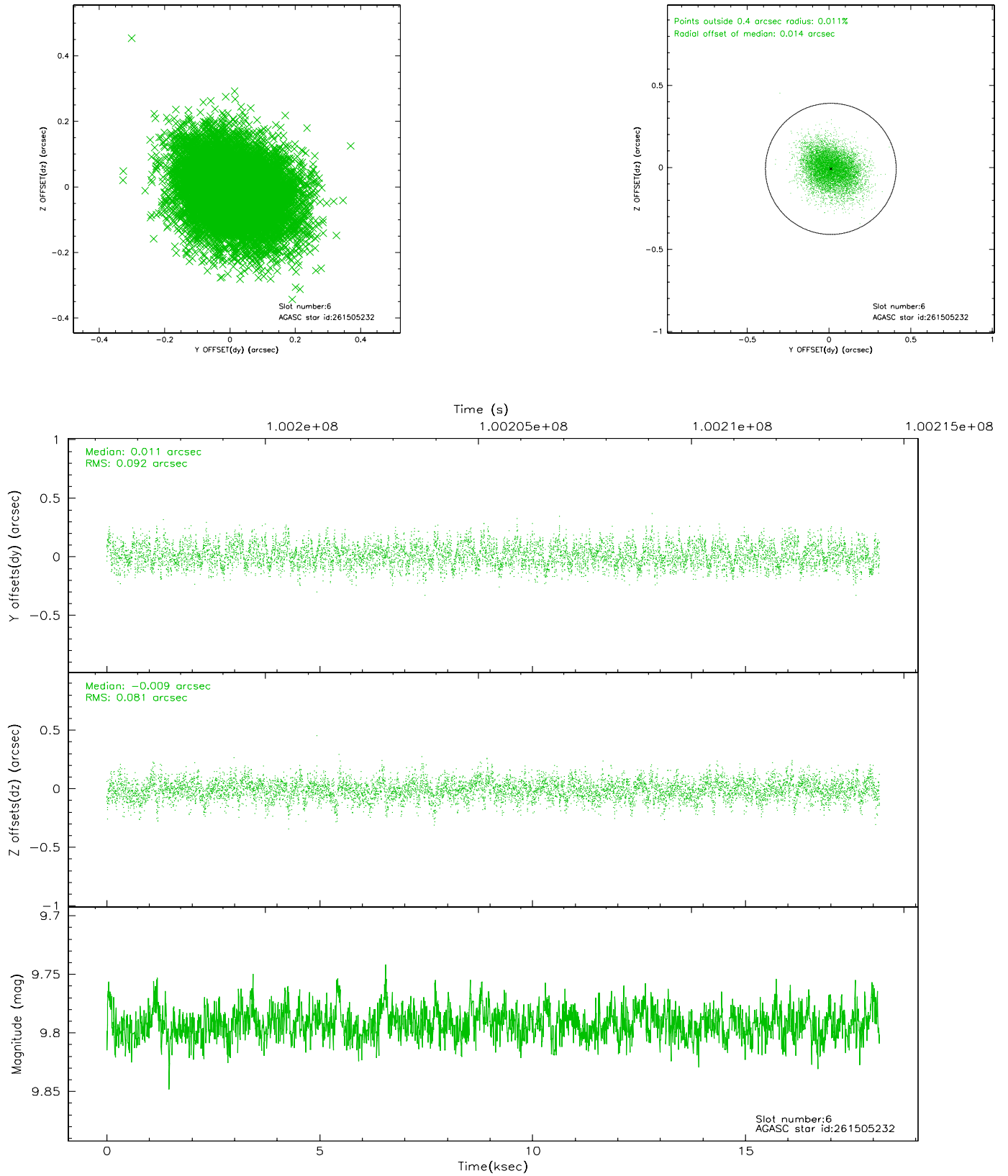
## 2.4.2 Slot 4



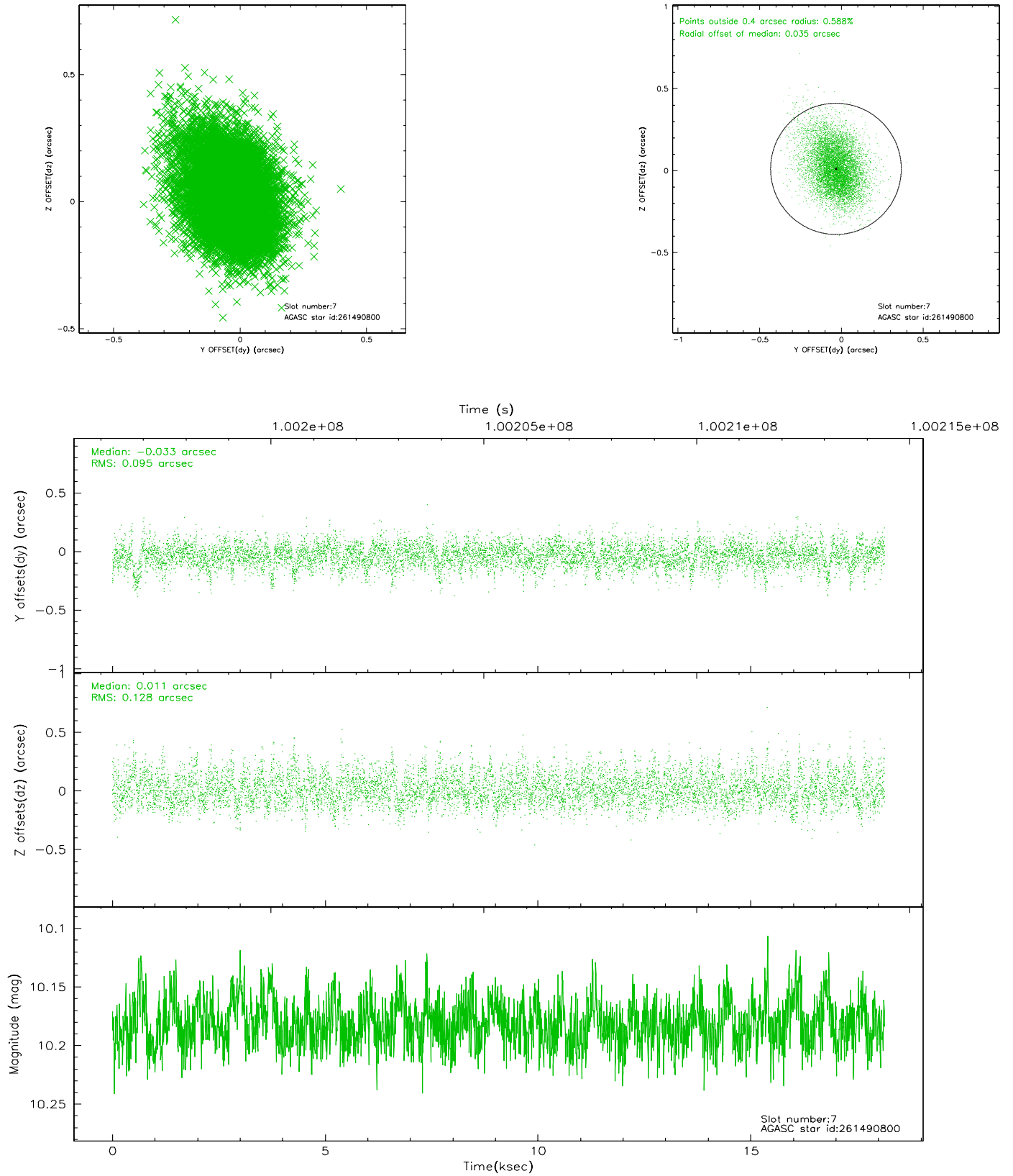
### 2.4.3 Slot 5



## 2.4.4 Slot 6

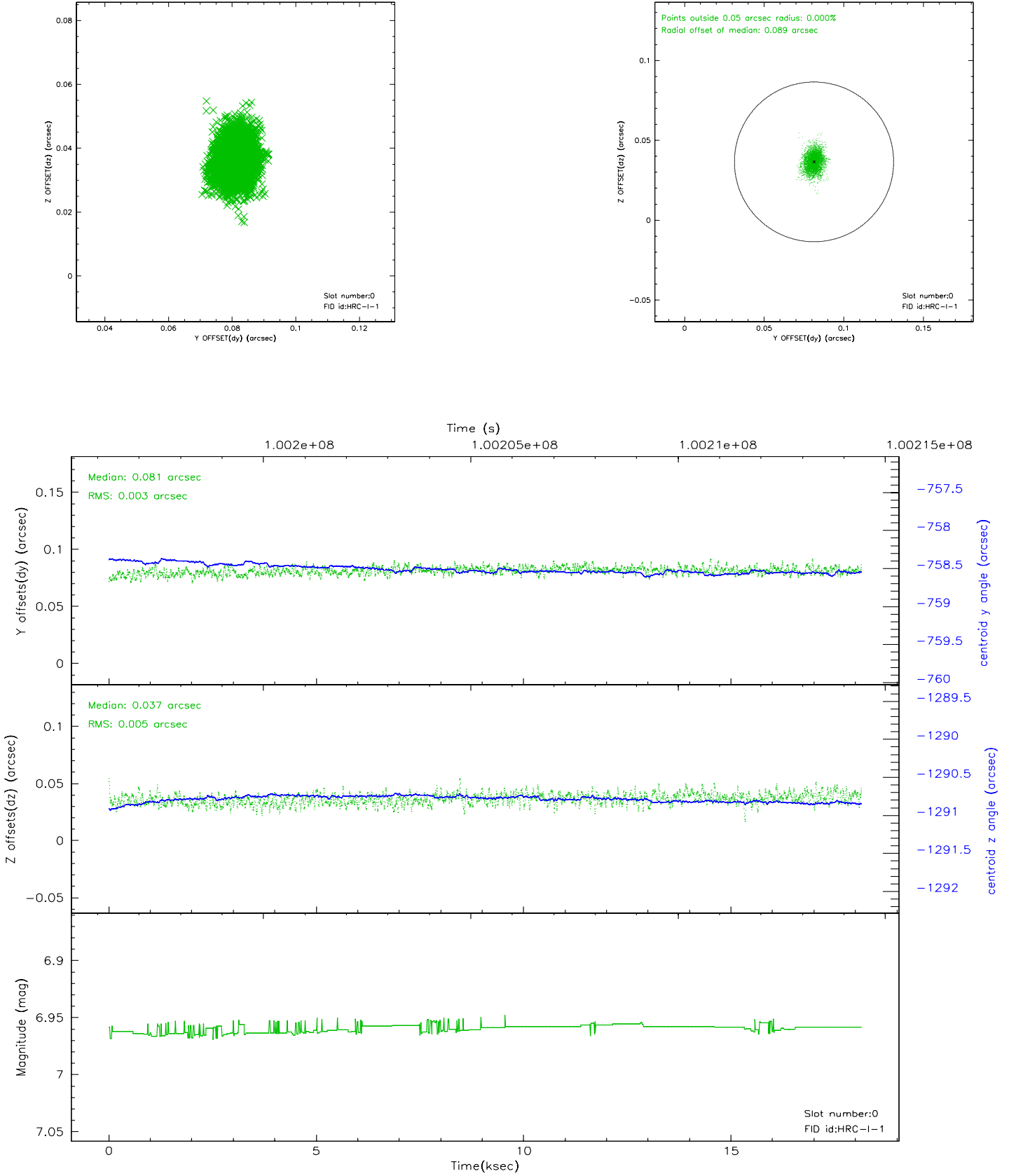


## 2.4.5 Slot 7

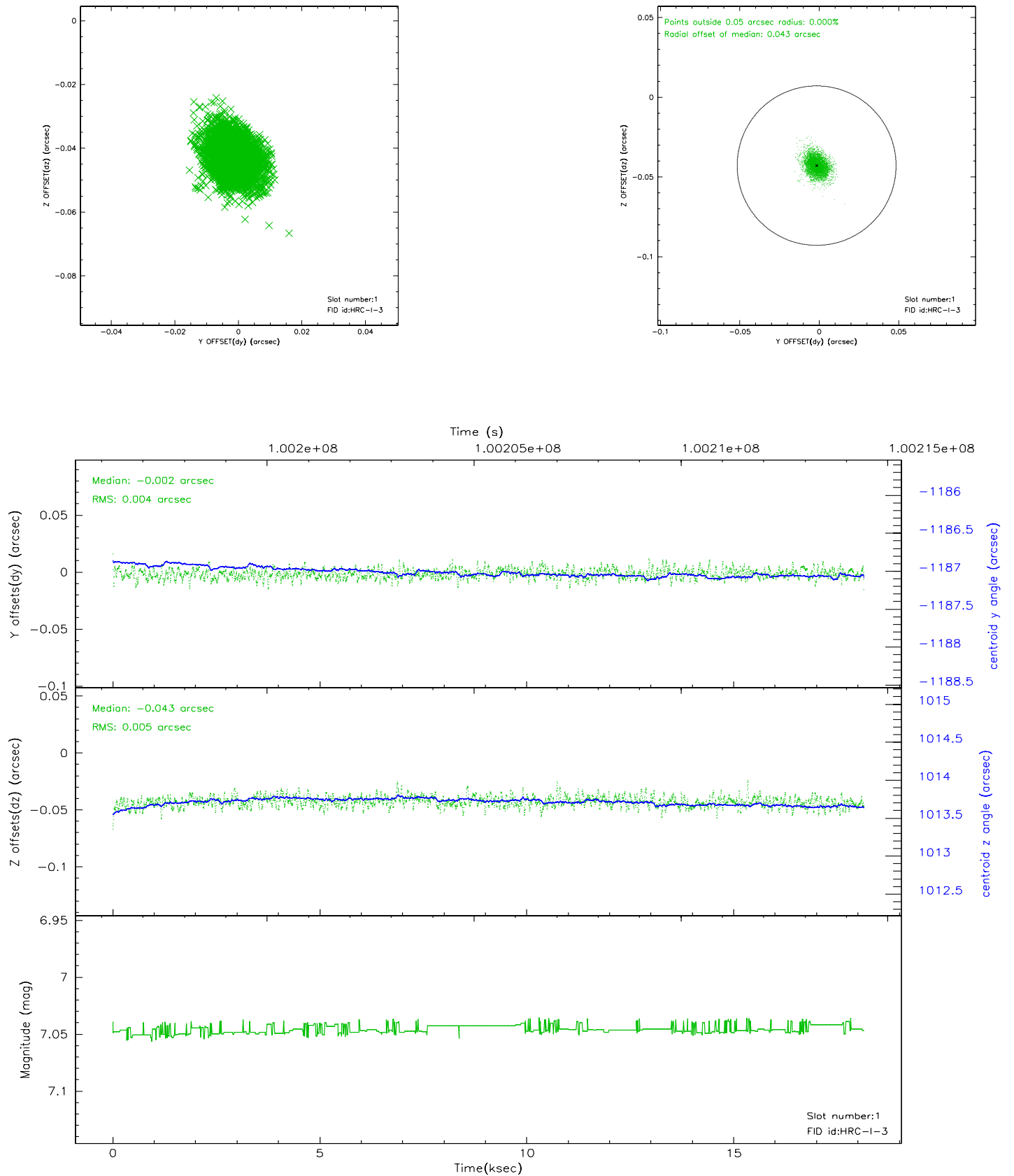


## 2.5 FID Slots

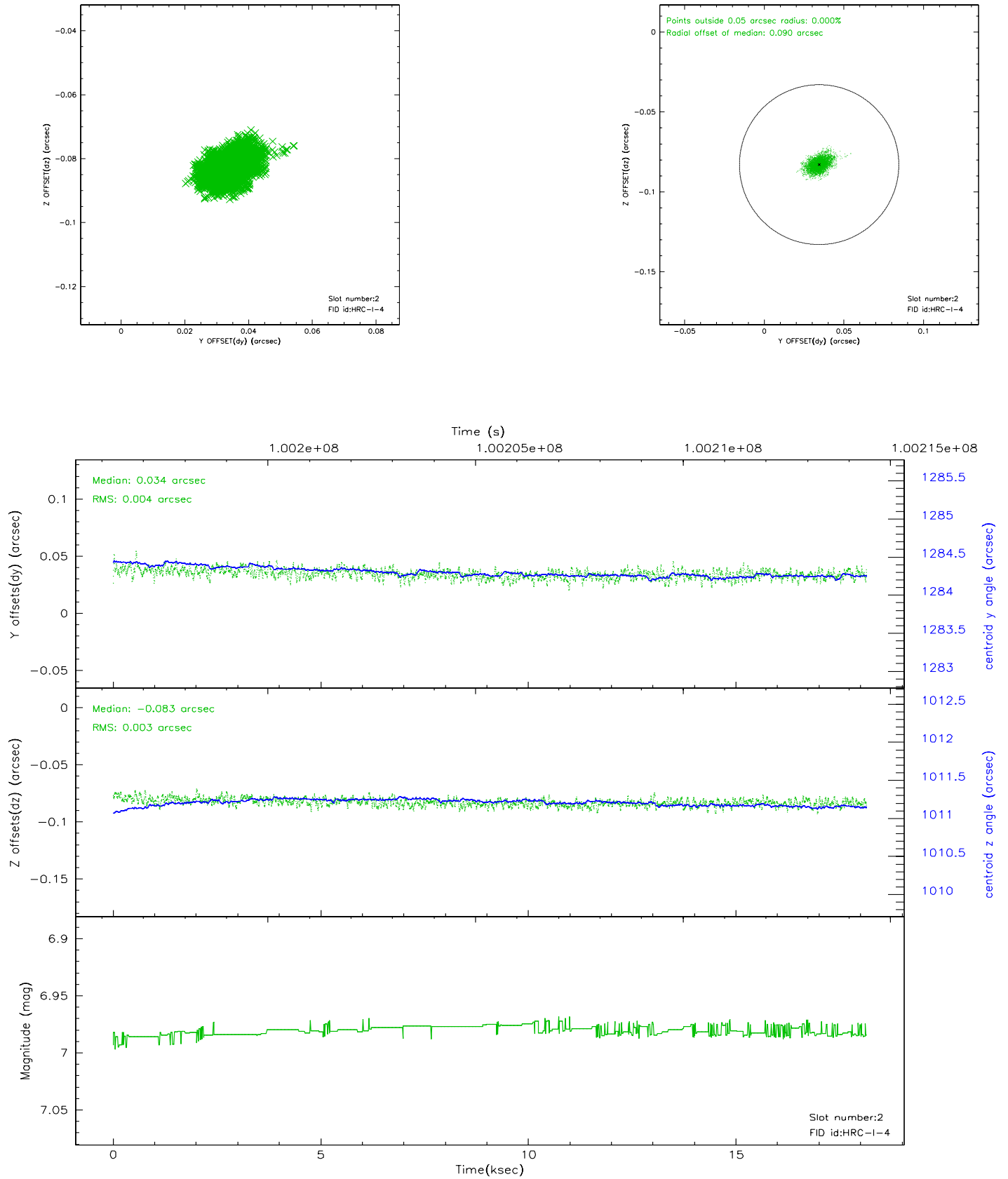
### 2.5.1 Slot 0



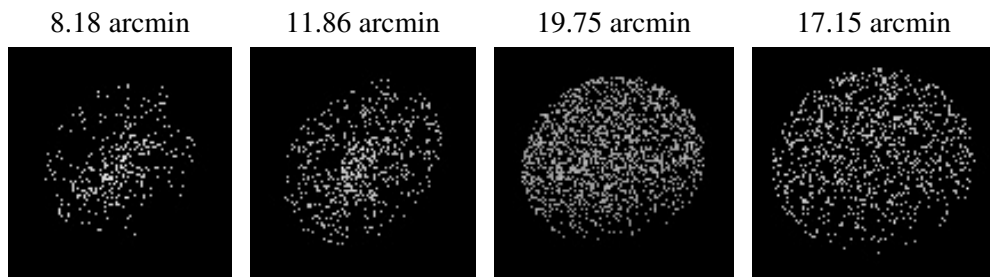
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.866

## 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.