

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3701 - L2 Version 4  
Chandra X-Ray Center

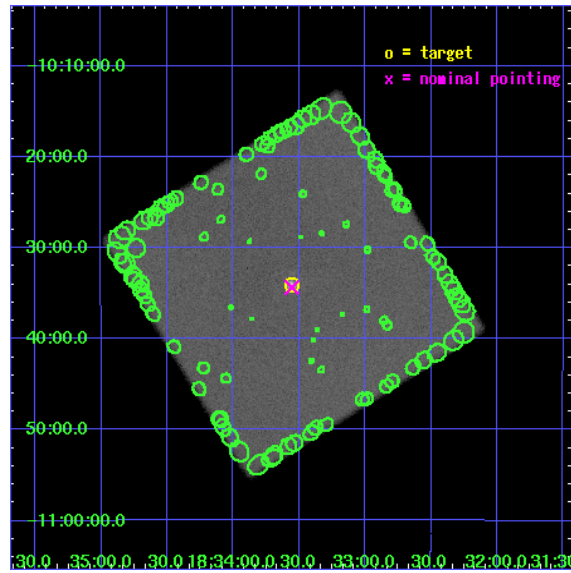
L2 Processing Date : Nov 23 2007

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# 1 Front

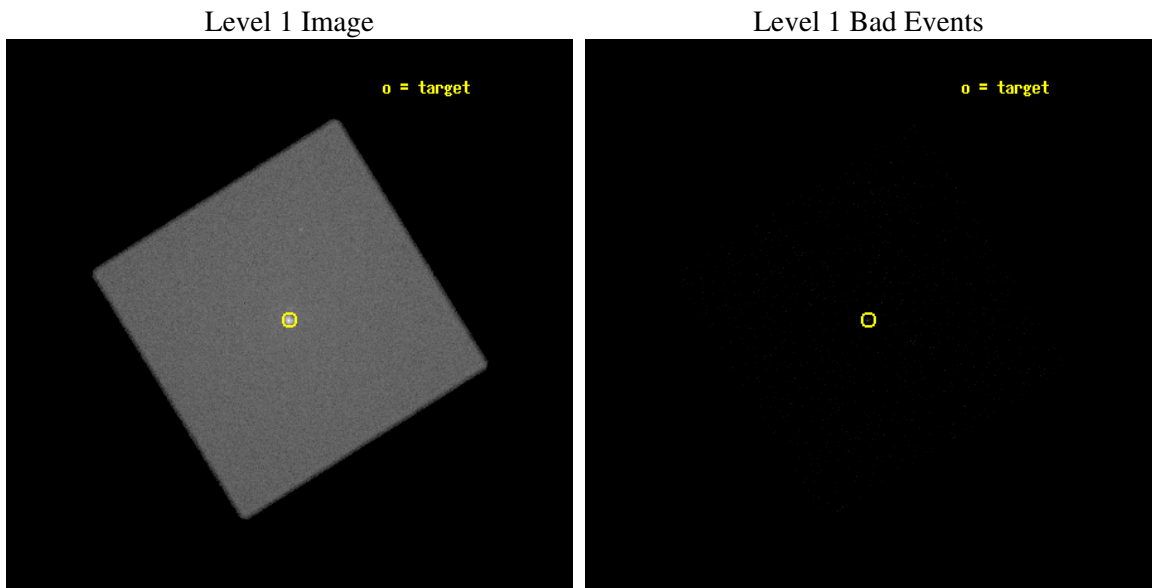
seq_num	590313
obs_id	3701
title	AO4B OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.38881707491
dec_nom	-10.572628291548
roll_nom	283.15581338563
revision	4
ontime	19378.907089889
livetime	19167.42728047
l2events	1052898



## 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	2007-11-23T21:18:45
revision	4

sched_exp_time	19400.000000
ontime	19378.907089889
l1events	1467298

### 2.1.3 Events

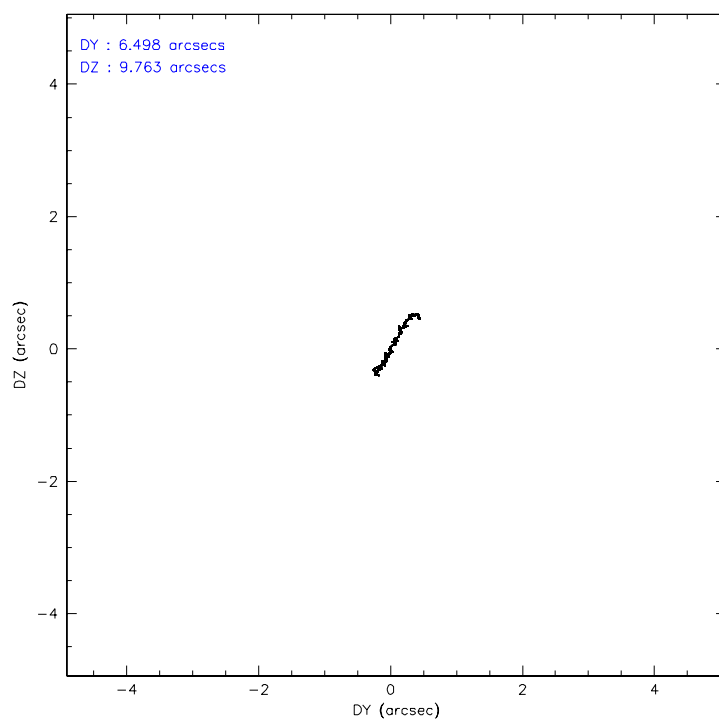
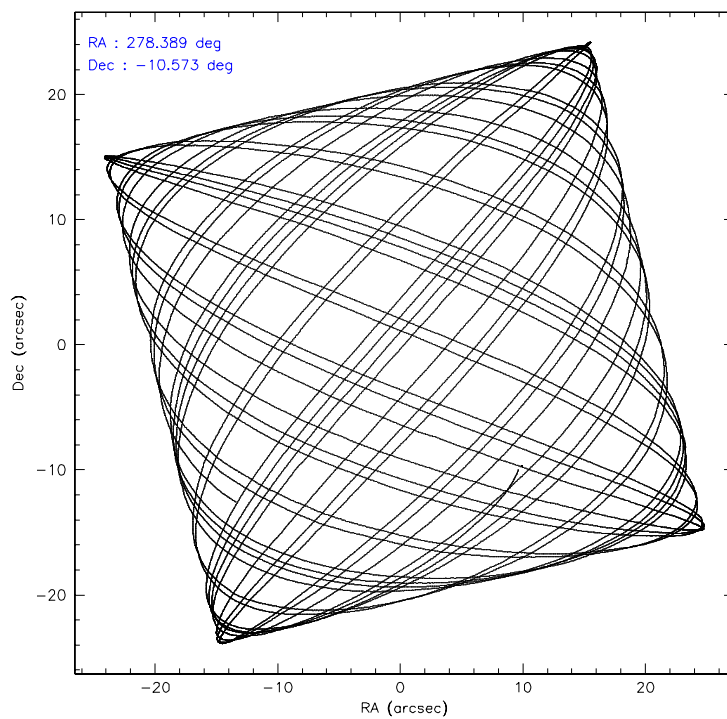
#### Level 1 Events

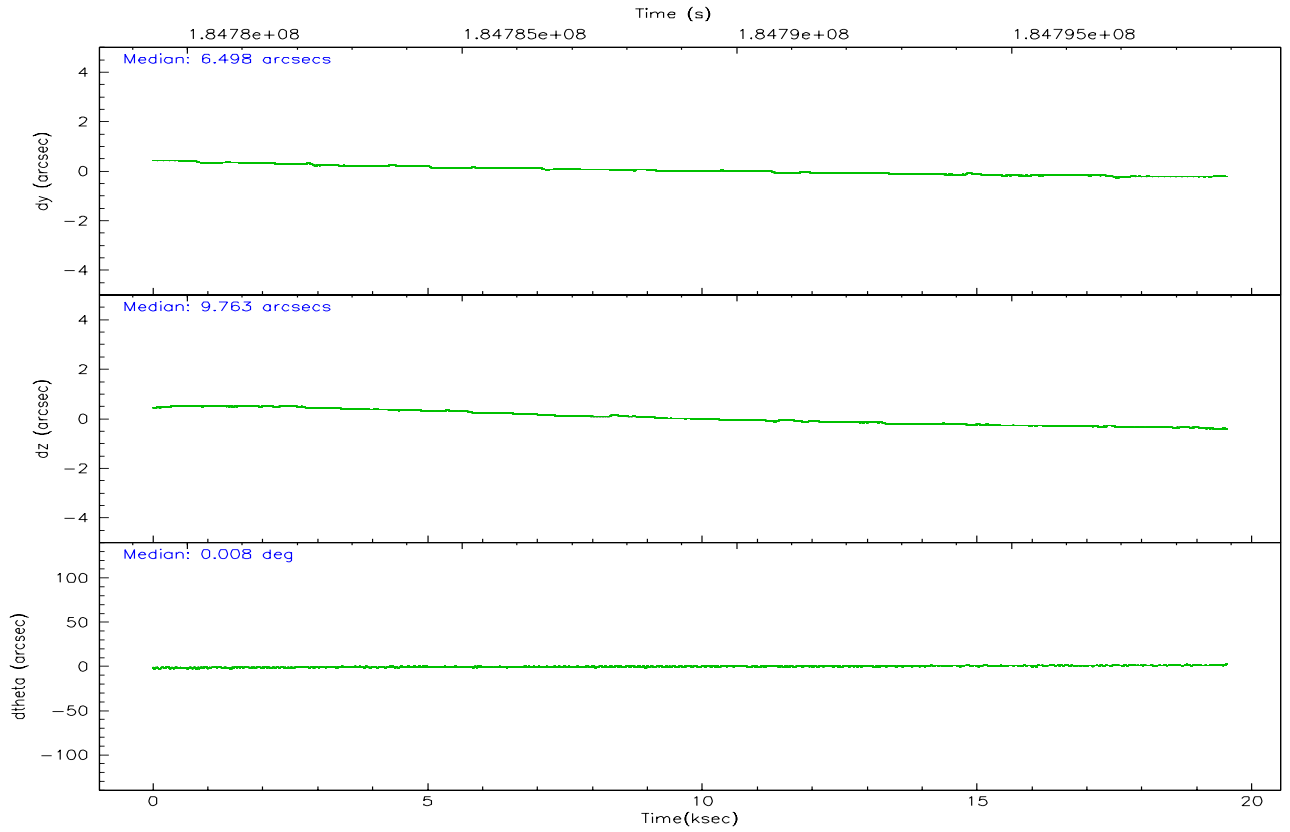
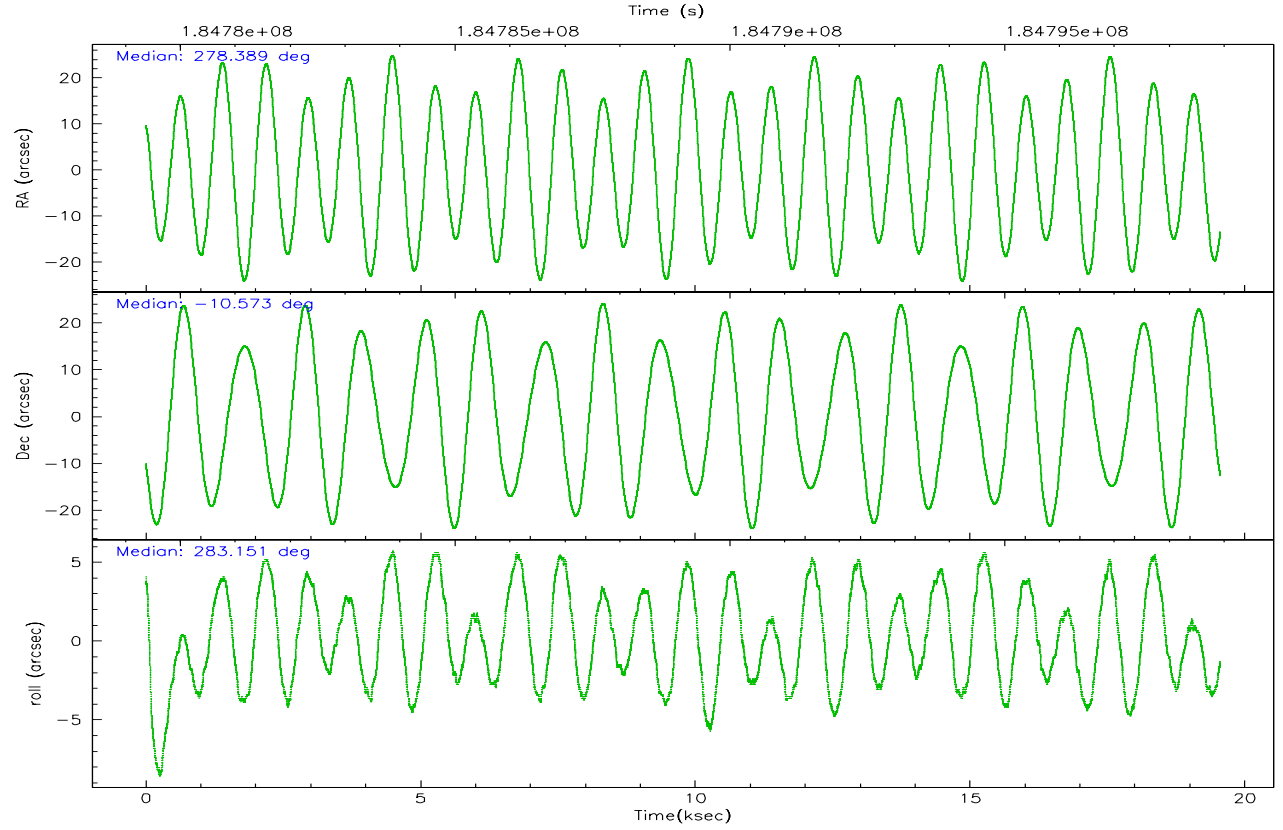
	<b>segment 0</b>
level 1 events	1467298
rejected events	10949
rejected %	0%

## 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	278.369560	278.3888170749057			
Pointing Dec	-10.553295	-10.57262829154846			
Pointing Roll	283.247780	283.1558133856255			
Window start time	182563264.184000	182563264.184000			
Window stop time	185241664.184000	185241664.184000			
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	184779528.184000	184779129.82667			
Observation start date	2003-11-09T15:37:44	2003-11-09T15:32:09			
Observation end time	184798928.184000	184799061.97753			
Observation end date	2003-11-09T21:01:04	2003-11-09T21:04:21			

## 2.3 Aspect





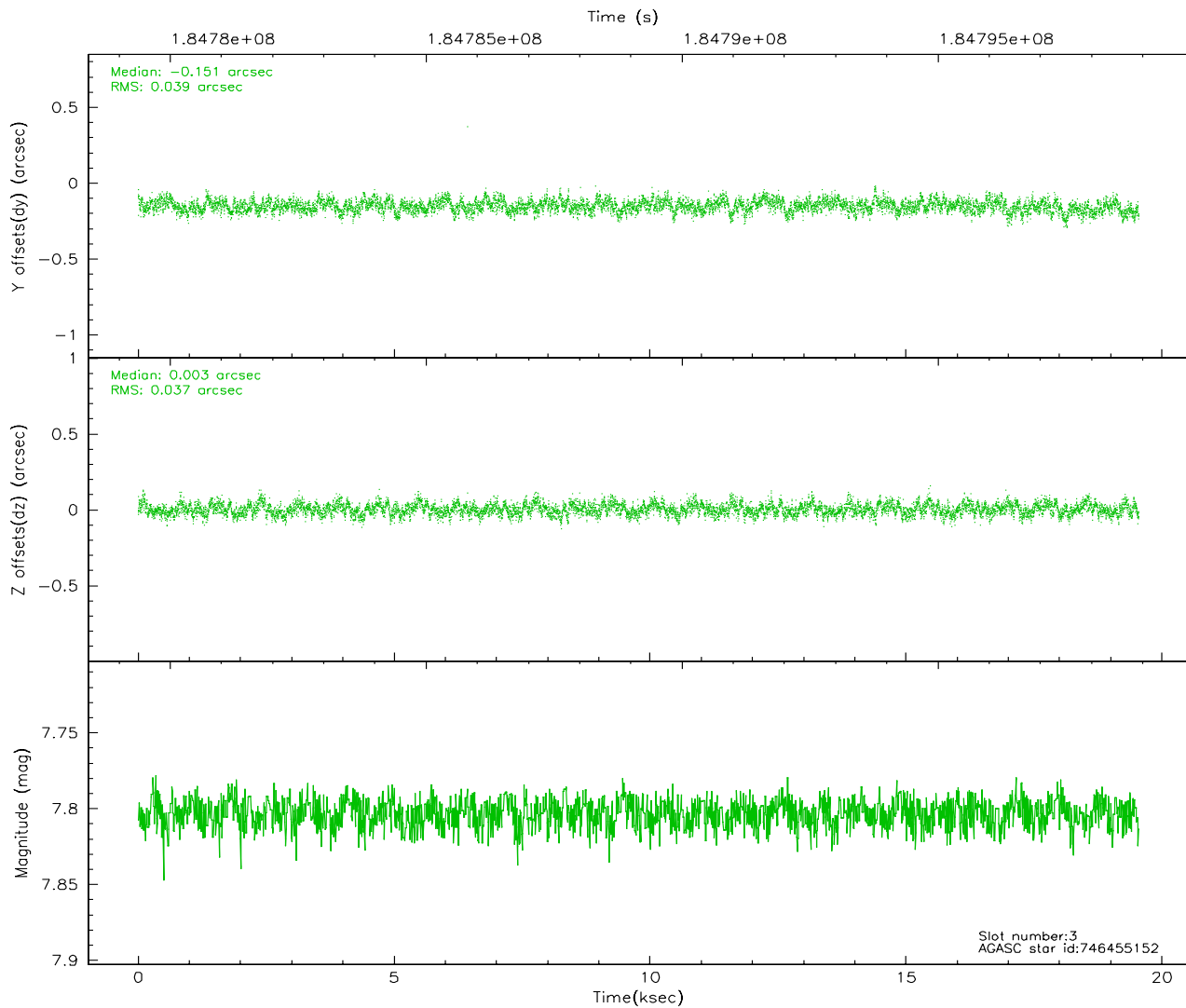
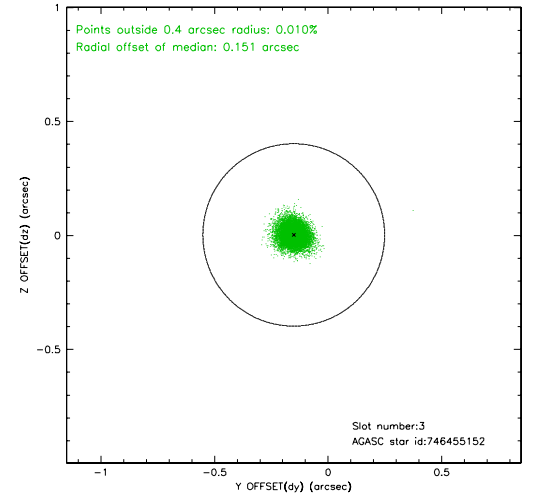
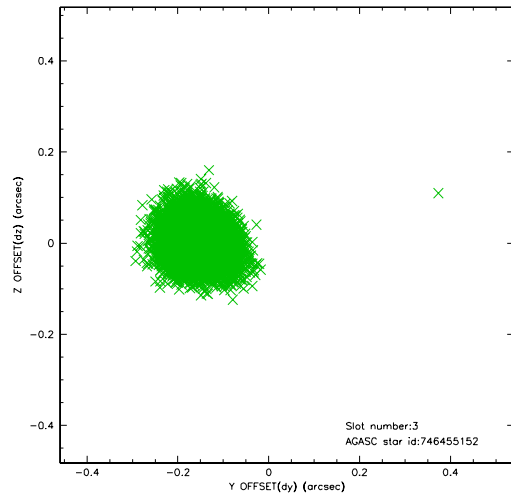
### Slot Statistics

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	4768	0.011	0.035	0.013	0.020	0.000000	0.000000	-762.09	-1297.71
1	FID	HRC-I-2	7.02	4767	0.066	-0.039	0.013	0.030	0.000000	0.000000	850.44	-1299.61
2	FID	HRC-I-3	7.06	4767	0.044	-0.083	0.010	0.027	0.000000	0.000000	-1190.37	1006.47
3	GUIDE	746455152	7.80	9535	-0.151	0.003	0.057	0.092	278.447893	-9.976732	-1956.79	746.10
4	GUIDE	746460272	8.93	9534	-0.061	0.019	0.078	0.125	278.847488	-10.152127	-1016.74	1979.49
5	GUIDE	746462392	8.55	9534	0.116	0.045	0.069	0.113	279.038421	-10.890715	1727.61	2023.68
6	GUIDE	746462456	8.38	9534	-0.043	0.076	0.067	0.110	278.652171	-10.530173	149.36	993.17
7	GUIDE	746995400	9.51	9526	0.141	-0.145	0.126	0.203	278.078957	-11.289885	2347.03	-1606.09

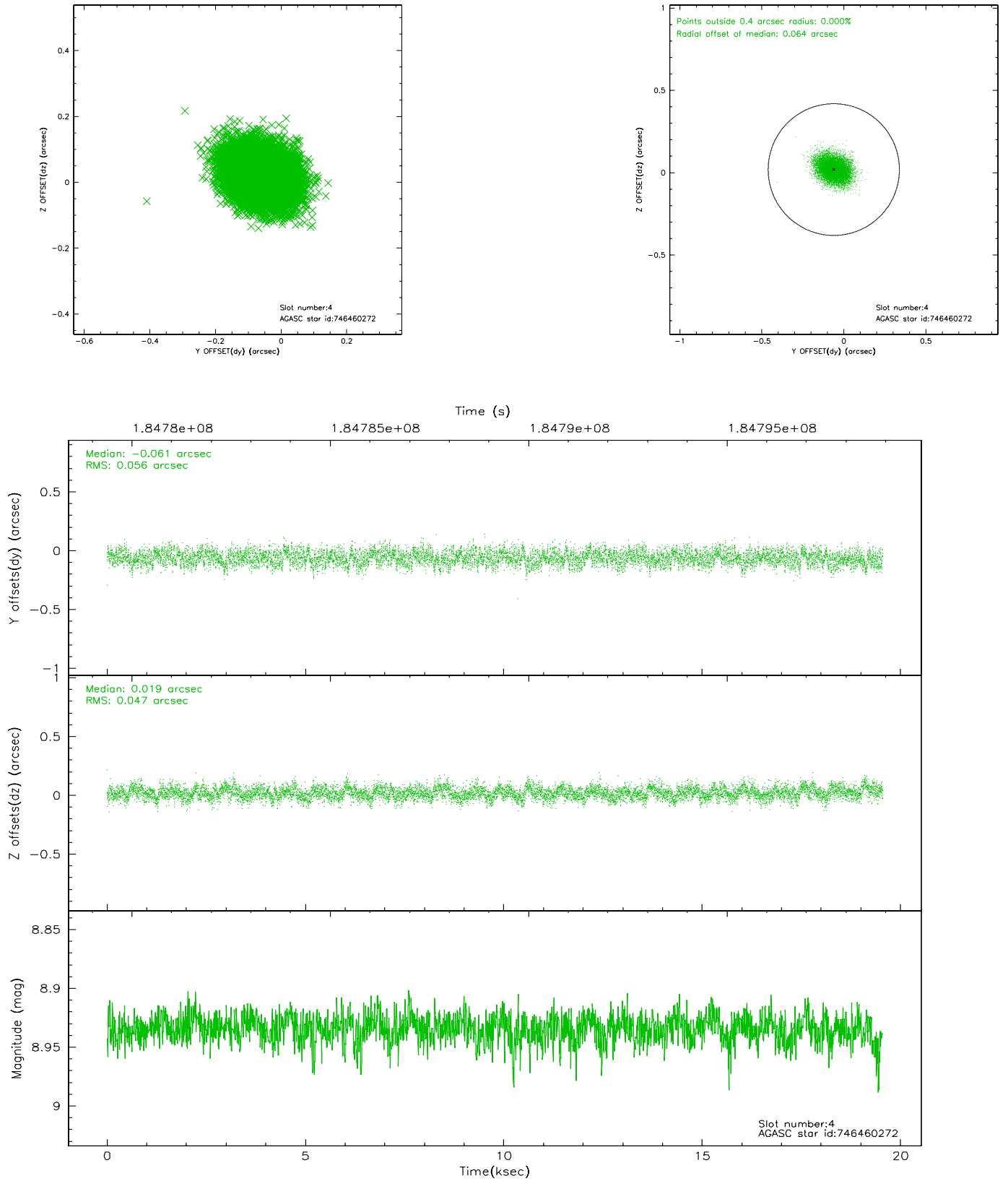


## 2.4 Star Slots

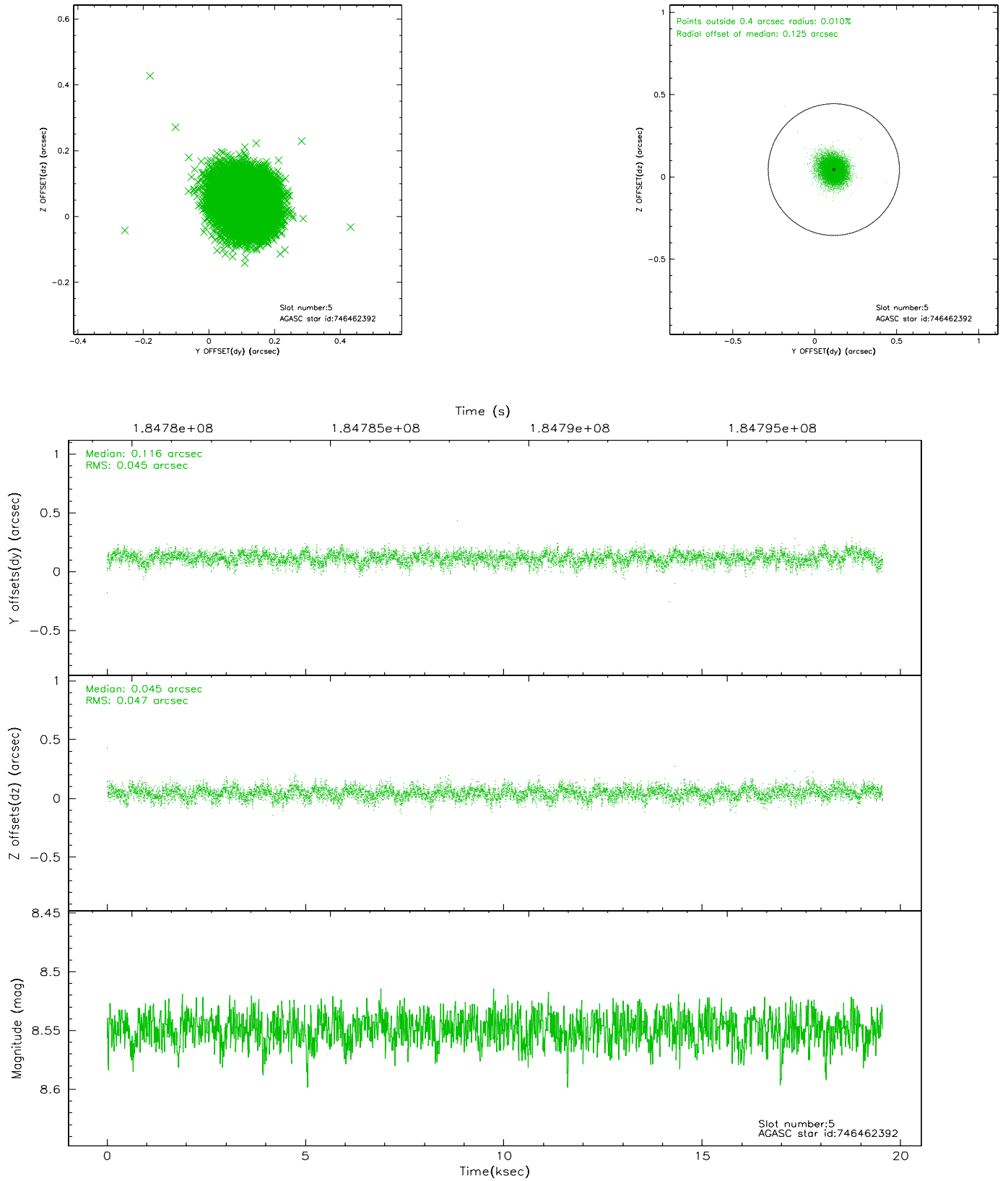
### 2.4.1 Slot 3



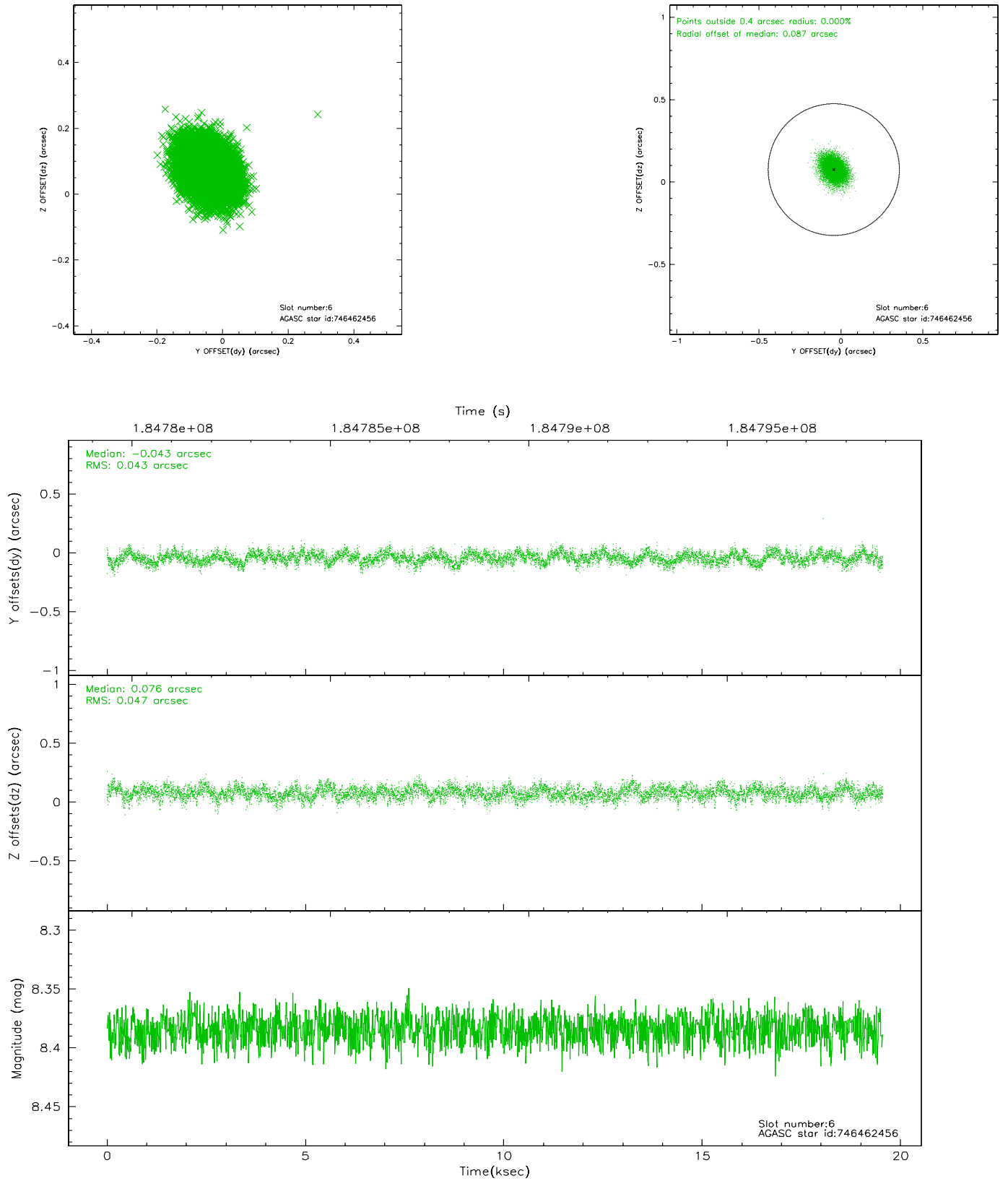
## 2.4.2 Slot 4



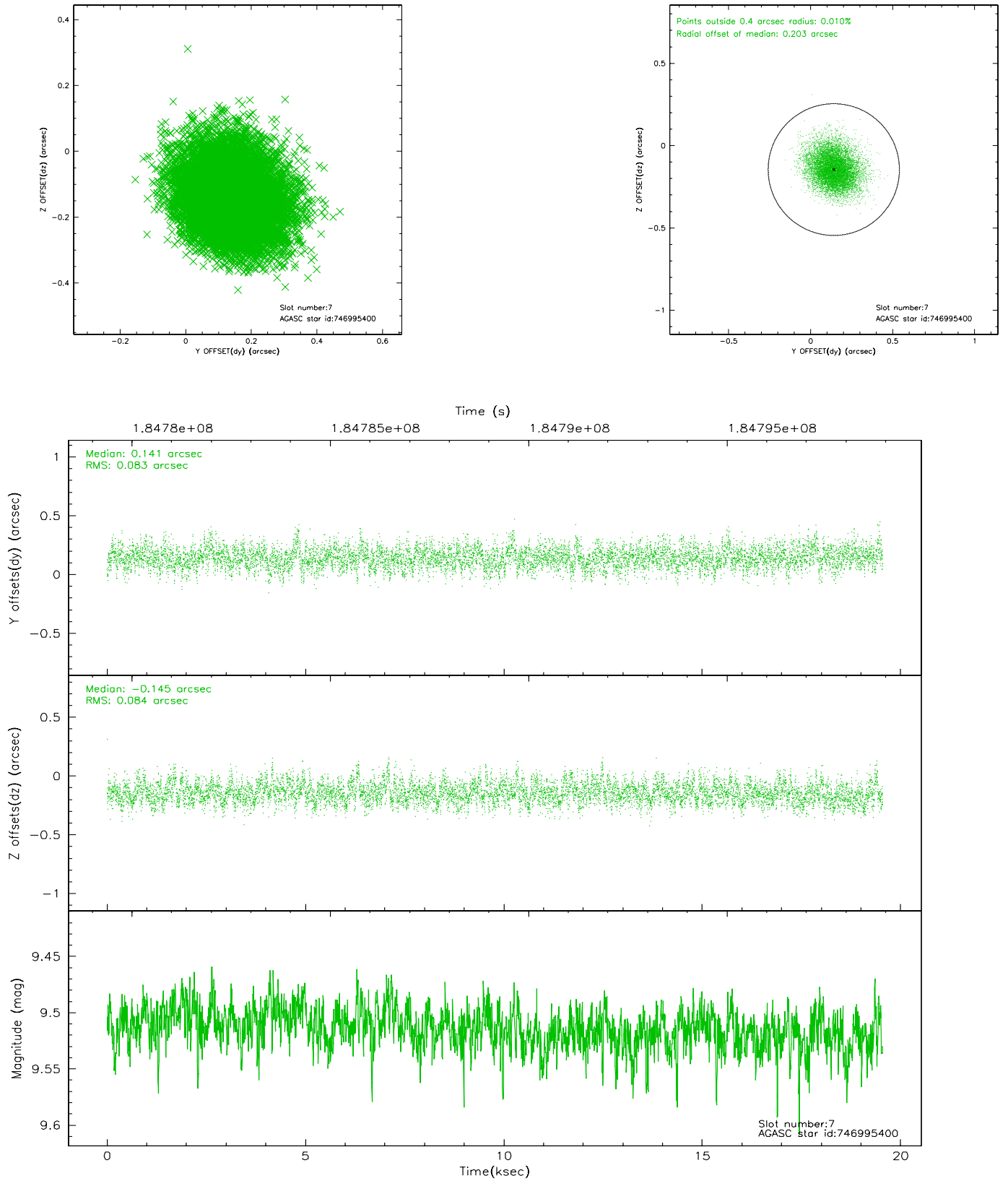
### 2.4.3 Slot 5



## 2.4.4 Slot 6

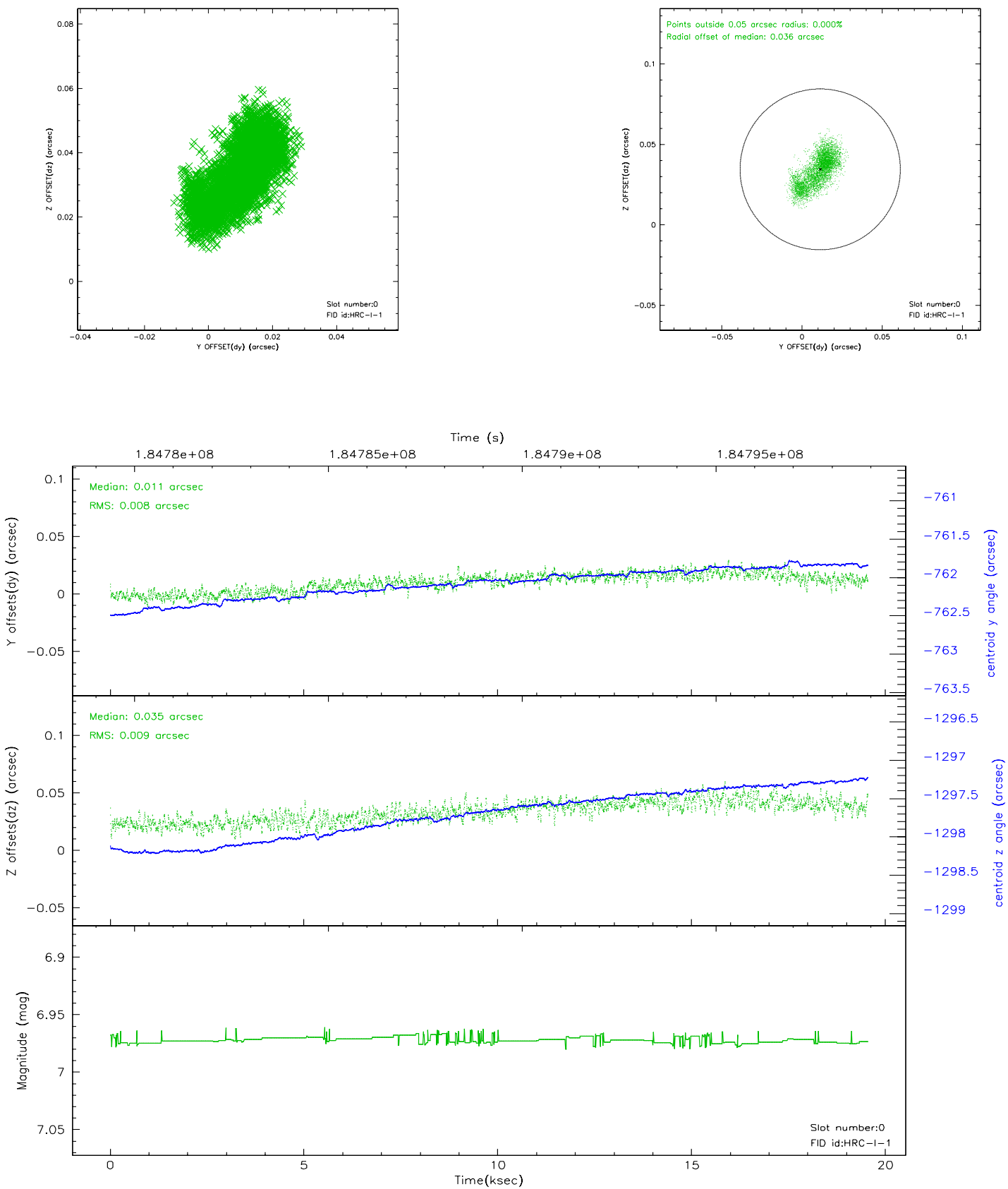


## 2.4.5 Slot 7

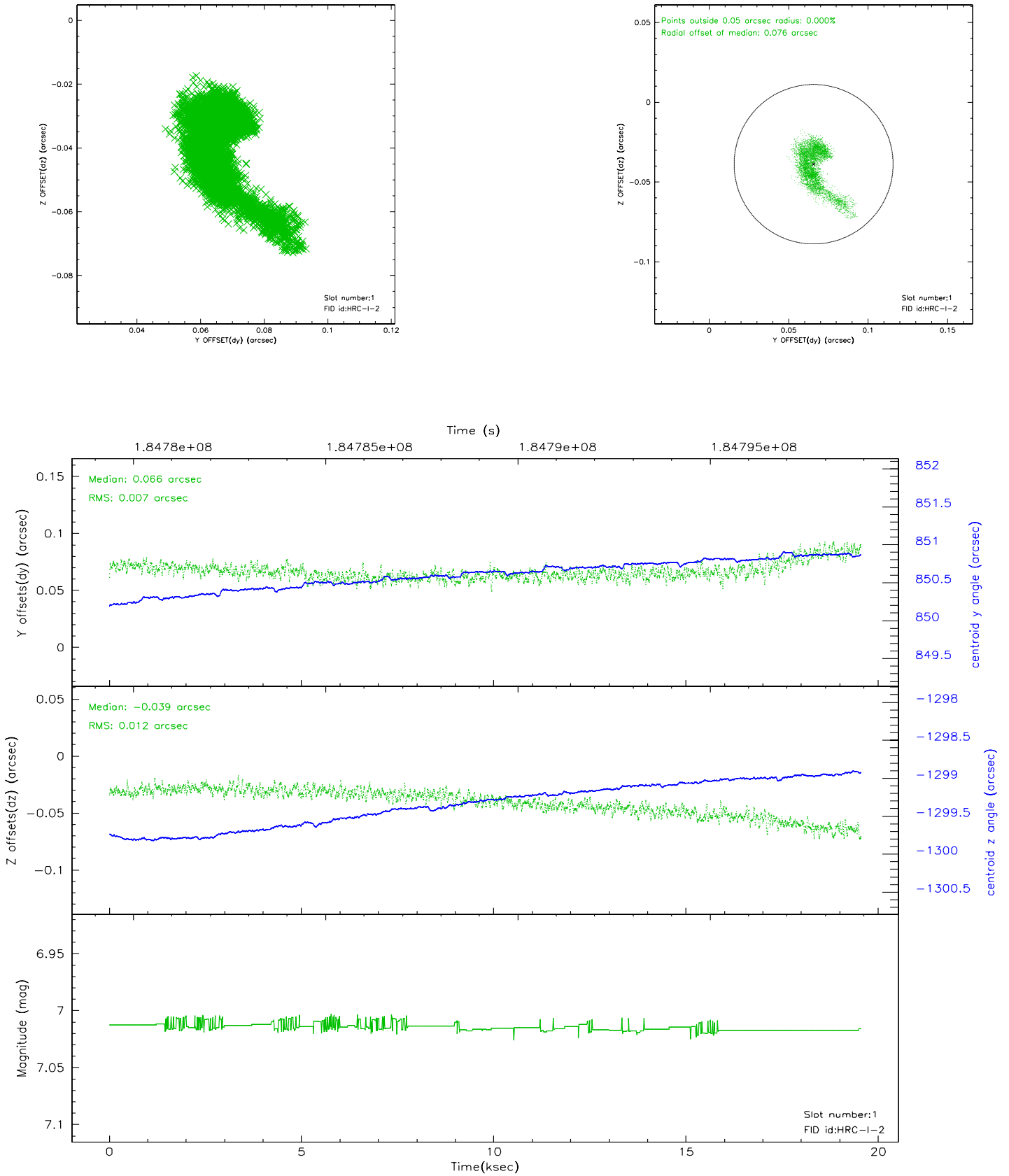


## 2.5 FID Slots

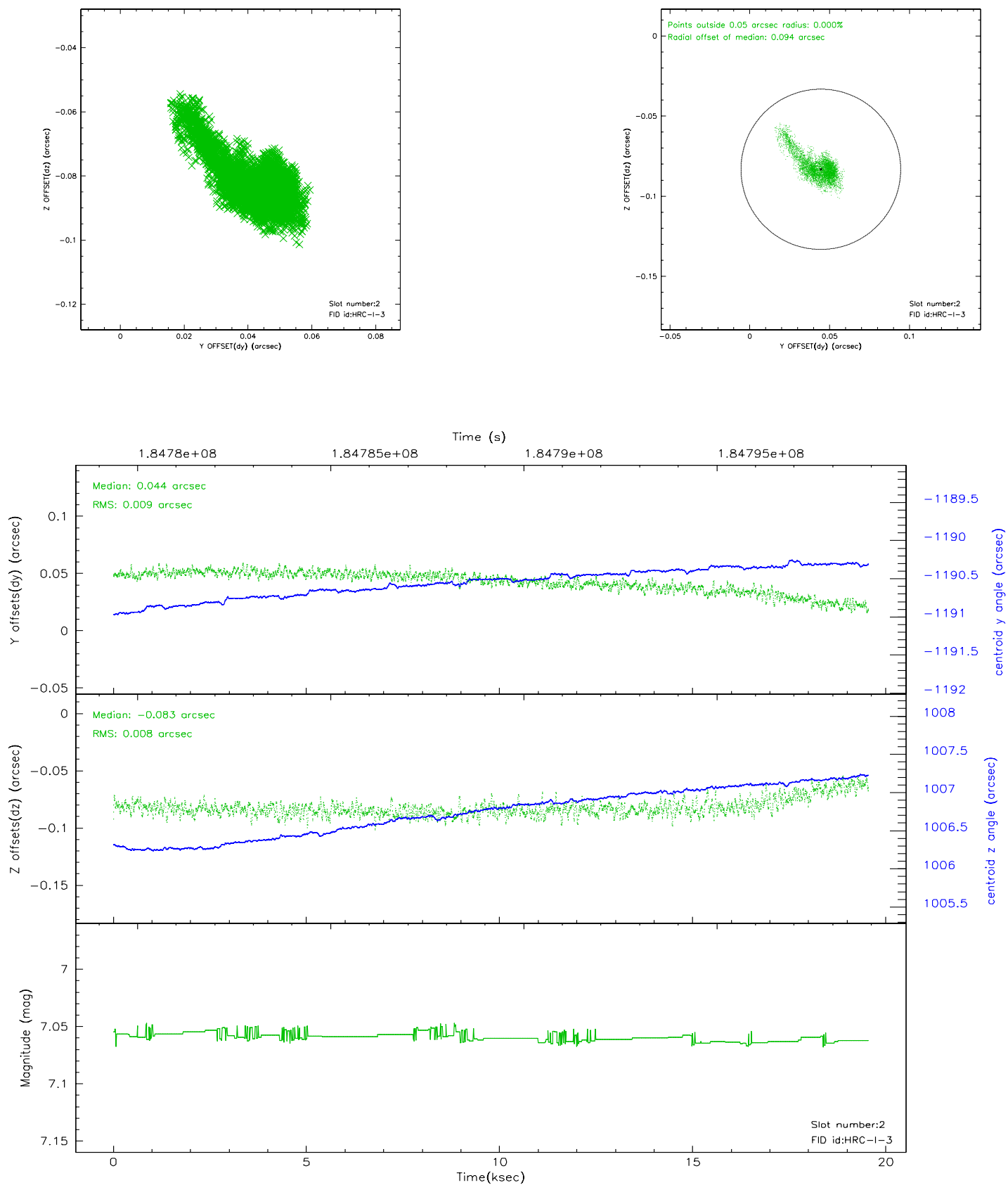
### 2.5.1 Slot 0



## 2.5.2 Slot 1

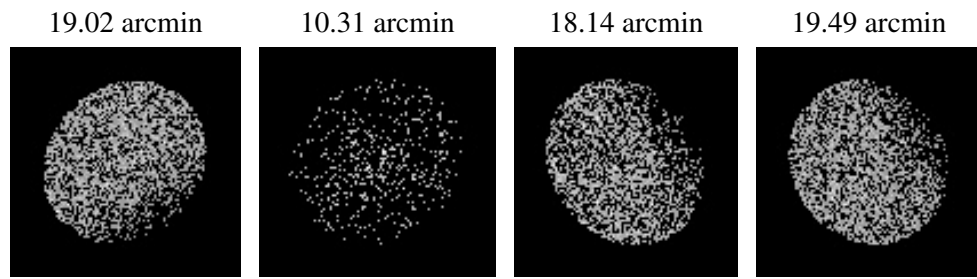


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.38

## 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.