

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3694 - L2 Version 3  
Chandra X-Ray Center

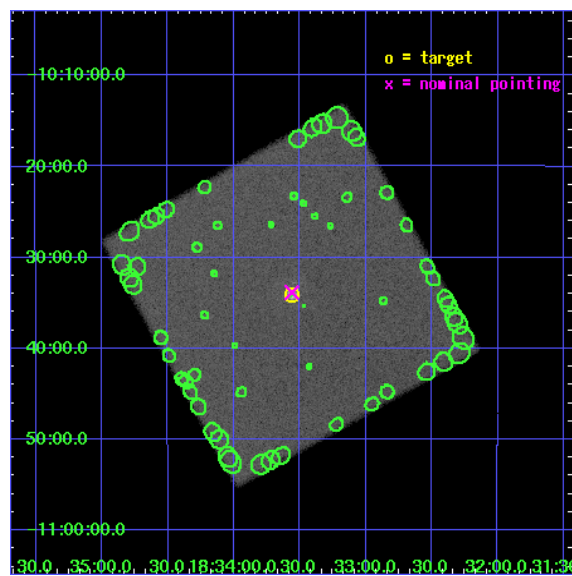
L2 Processing Date : Nov 23 2007

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# 1 Front

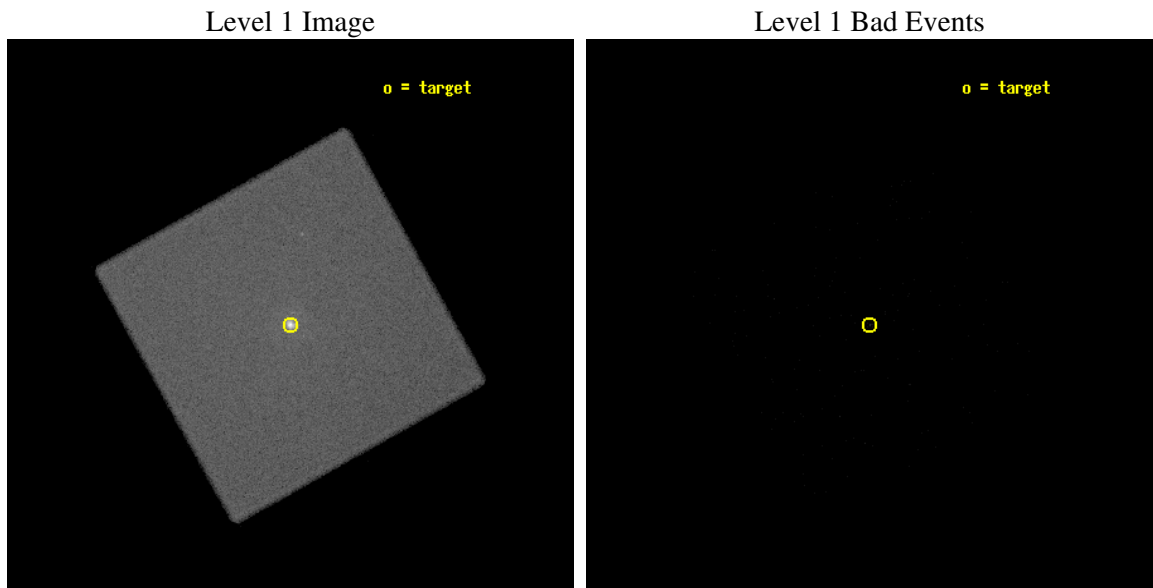
seq_num	590306
obs_id	3694
title	AO4A OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.39003870592
dec_nom	-10.564437268909
roll_nom	105.89562561739
revision	3
ontime	18390.550778568
livetime	18291.198950905
l2events	541700



## 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	2007-11-23T18:42:32
revision	3

sched_exp_time	18500.000000
ontime	18390.550778568
l1events	861040

### 2.1.3 Events

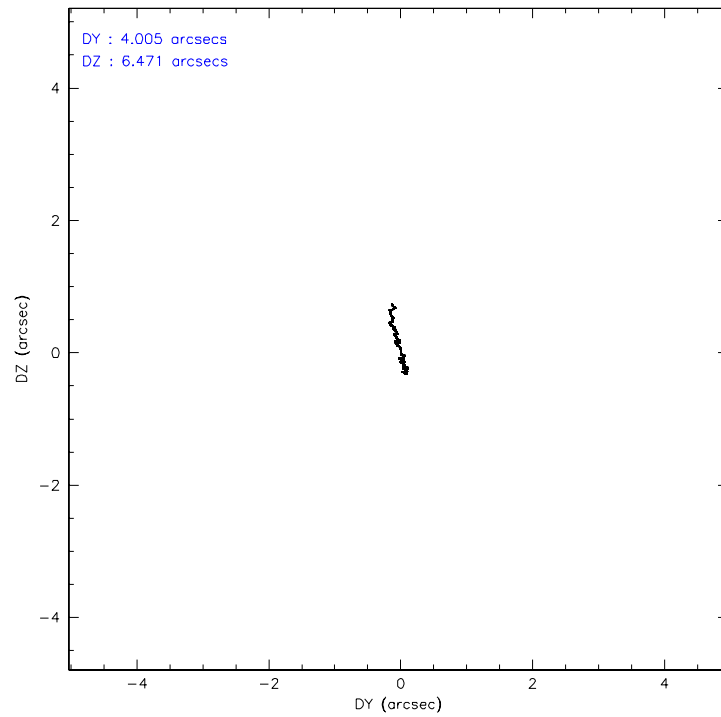
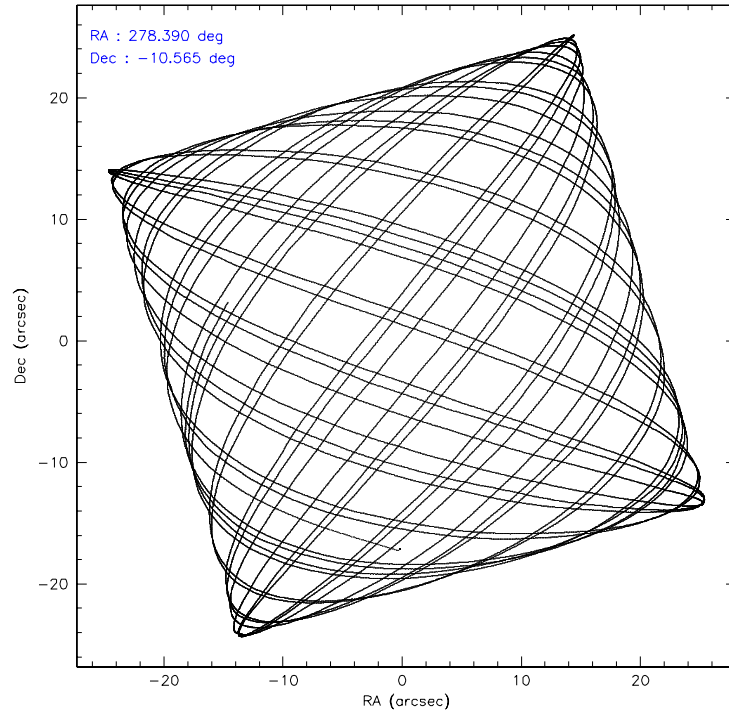
#### Level 1 Events

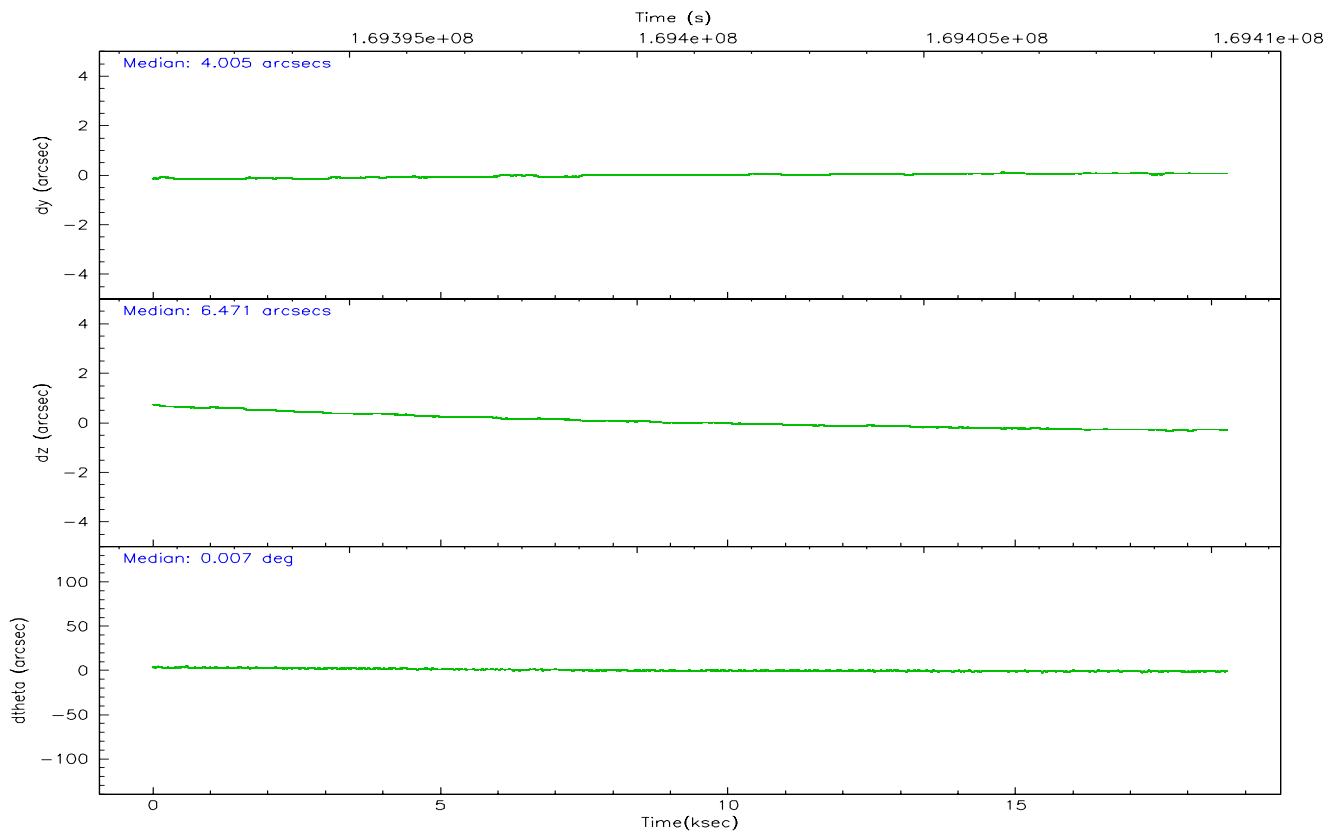
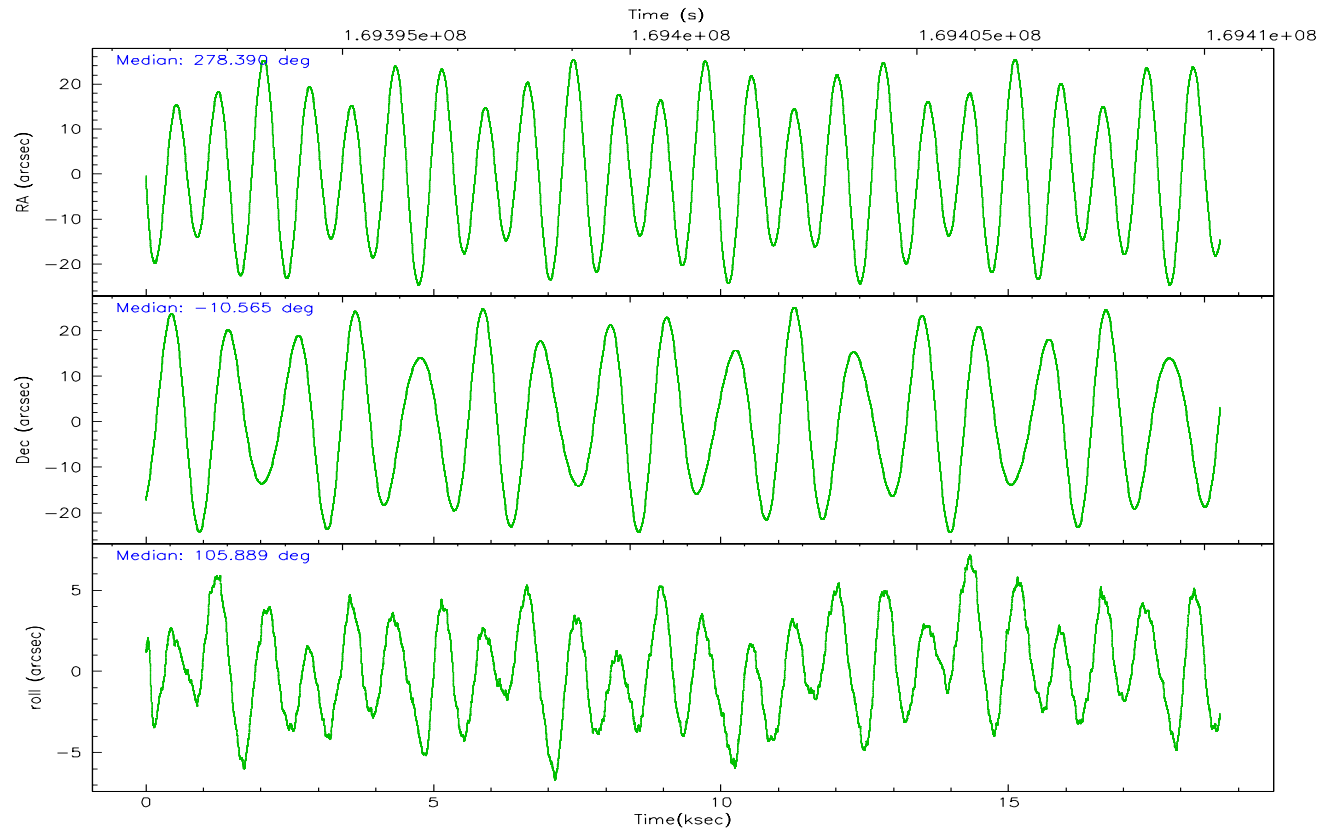
	<b>segment 0</b>
level 1 events	861040
rejected events	63940
rejected %	7%

## 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	278.410319	278.3900387059234			
Pointing Dec	-10.582793	-10.56443726890855			
Pointing Roll	105.994841	105.8956256173928			
Window start time	168134464.184000	168134464.184000			
Window stop time	170640064.184000	170640064.184000			
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	169391766.184000	169389828.88144			
Observation start date	2003-05-15T13:15:02	2003-05-15T12:43:48			
Observation end time	169410266.184000	169410483.14482			
Observation end date	2003-05-15T18:23:22	2003-05-15T18:28:03			

## 2.3 Aspect





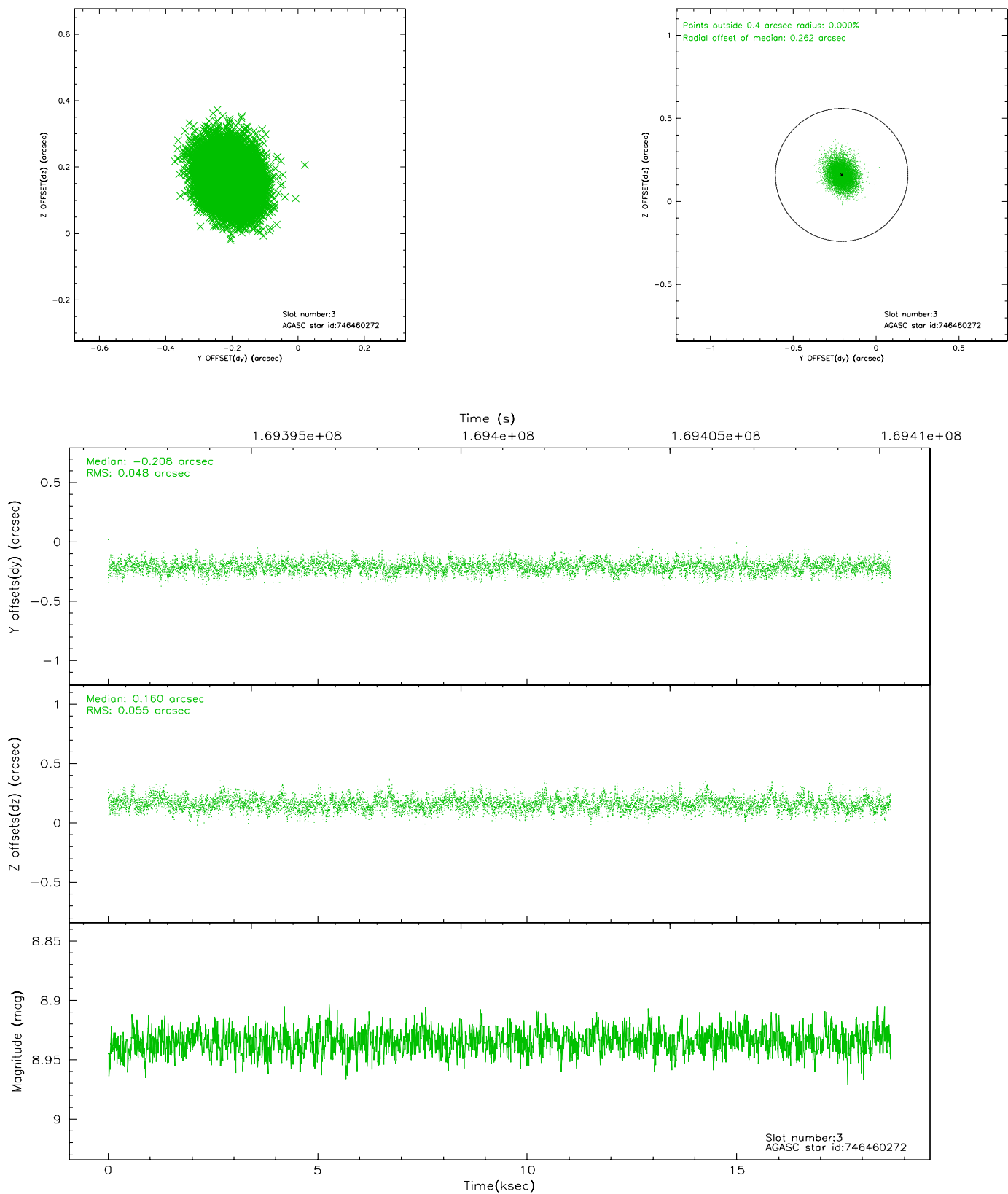
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	4556	0.014	0.005	0.008	0.013	0.000000	0.000000	-759.43	-1294.44
1	FID	HRC-I-2	6.99	4554	0.084	-0.057	0.009	0.017	0.000000	0.000000	853.10	-1296.31
2	FID	HRC-I-3	7.04	4555	0.023	-0.036	0.008	0.015	0.000000	0.000000	-1187.80	1009.78
3	GUIDE	746460272	8.93	9108	-0.208	0.160	0.078	0.126	278.847488	-10.152127	1062.82	-1915.81
4	GUIDE	746460328	9.82	9105	-0.188	0.087	0.136	0.224	278.603974	-9.898096	2180.21	-1339.13
5	GUIDE	746462392	8.54	9108	0.076	0.078	0.077	0.124	279.038421	-10.890715	-1679.57	-1828.91
6	GUIDE	746462456	8.40	9111	0.107	-0.050	0.070	0.115	278.652171	-10.530173	-54.22	-875.15
7	GUIDE	746995400	9.53	9103	0.214	-0.277	0.106	0.174	278.078957	-11.289885	-2124.99	1825.65

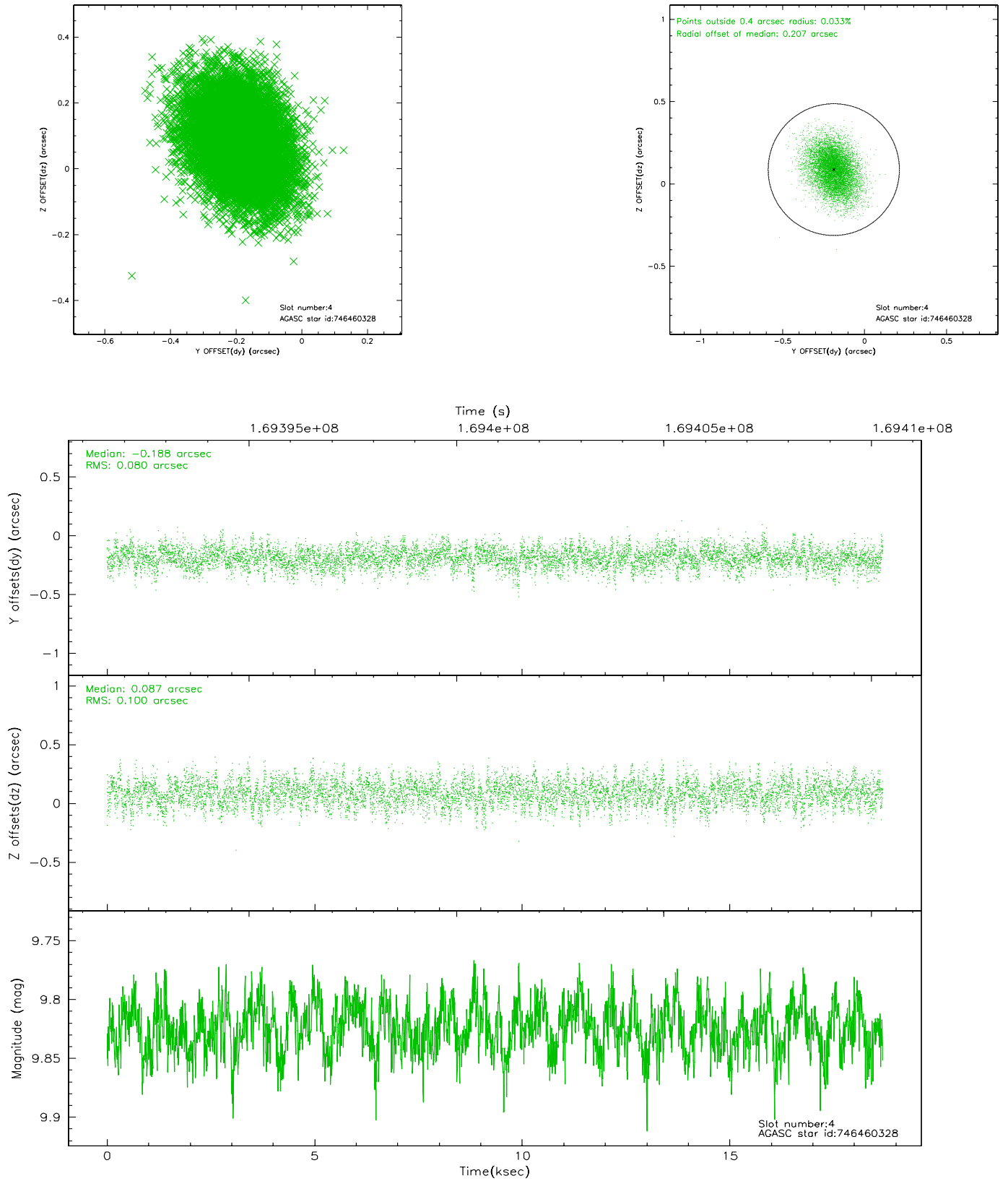


## 2.4 Star Slots

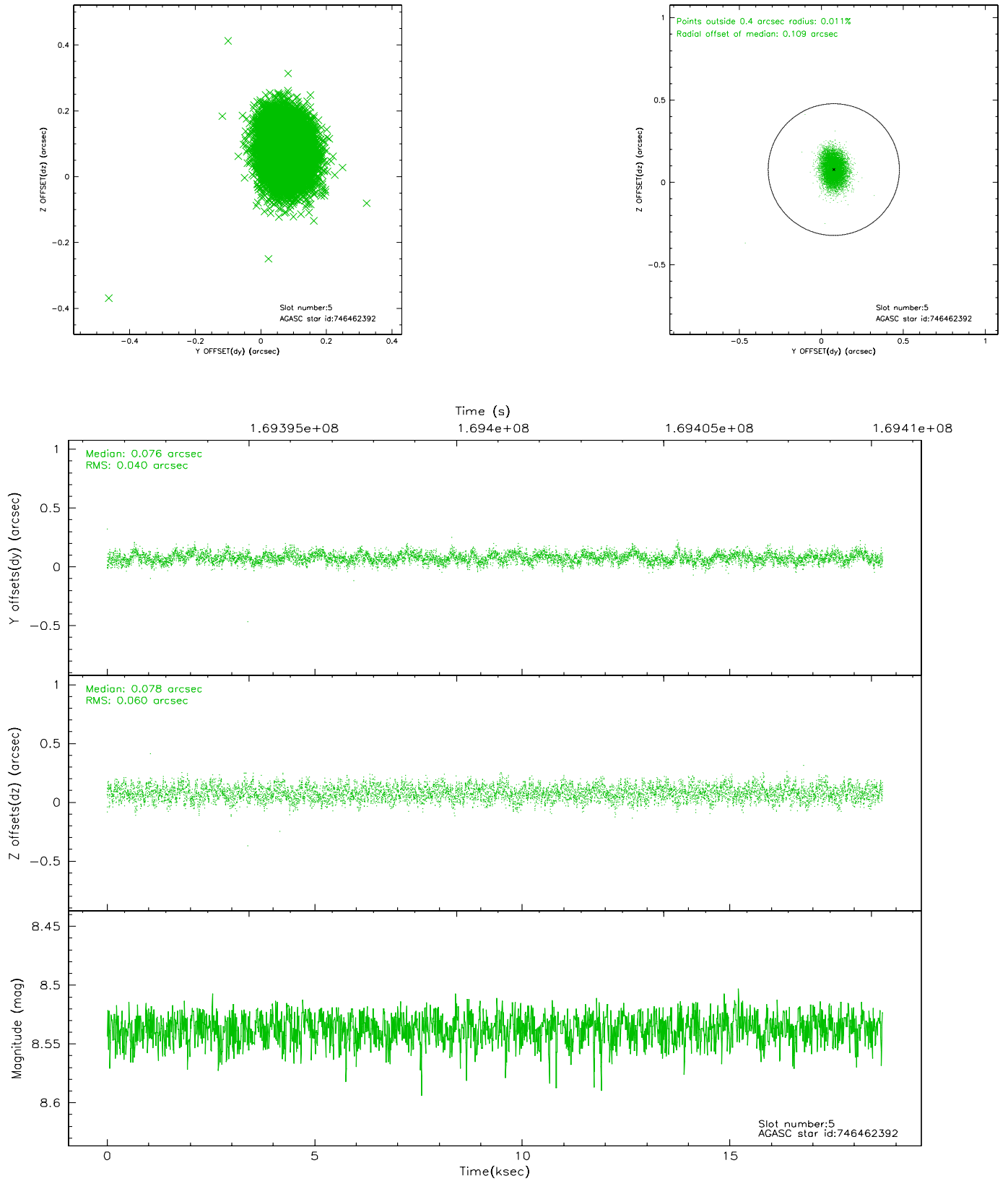
### 2.4.1 Slot 3



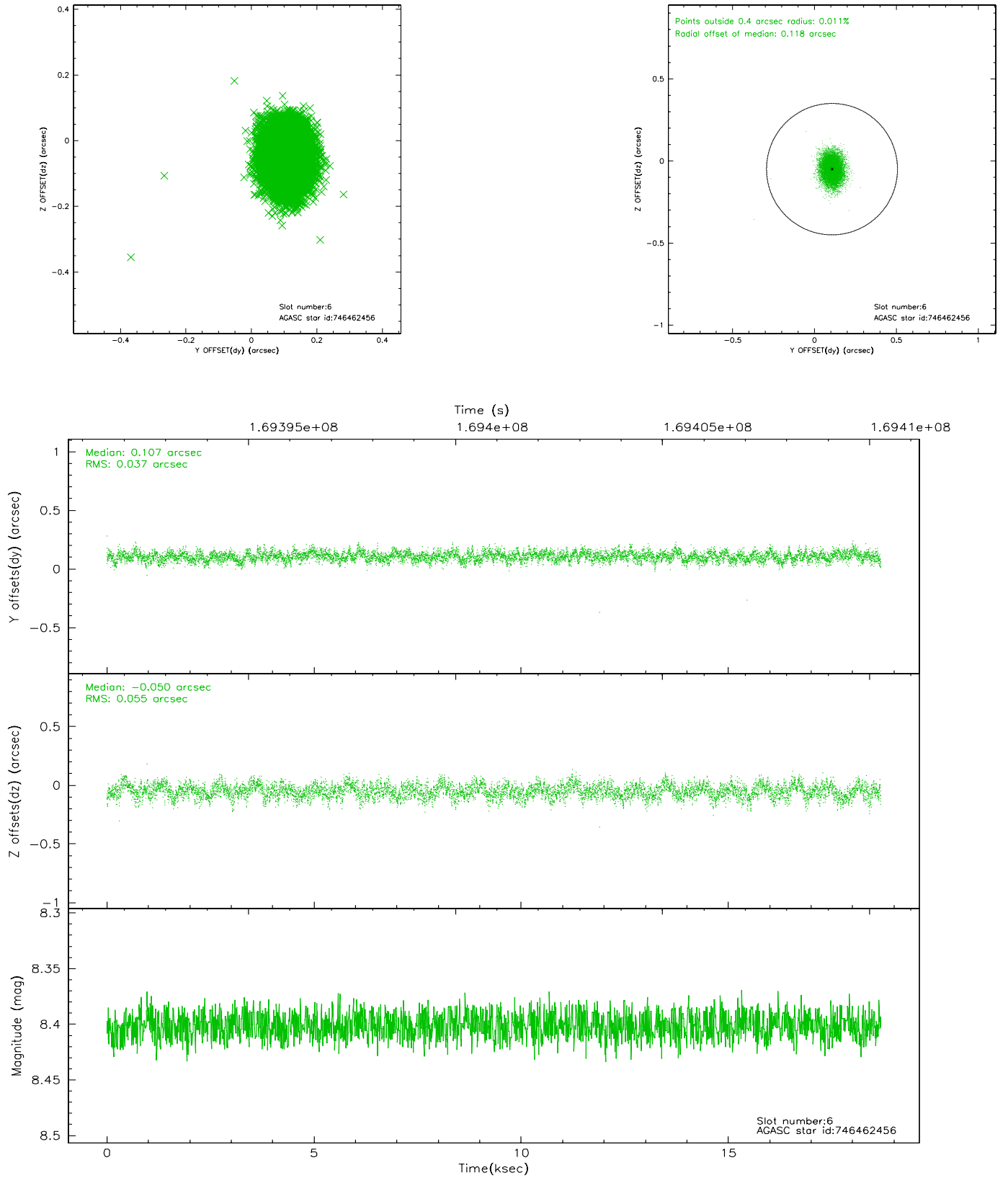
## 2.4.2 Slot 4



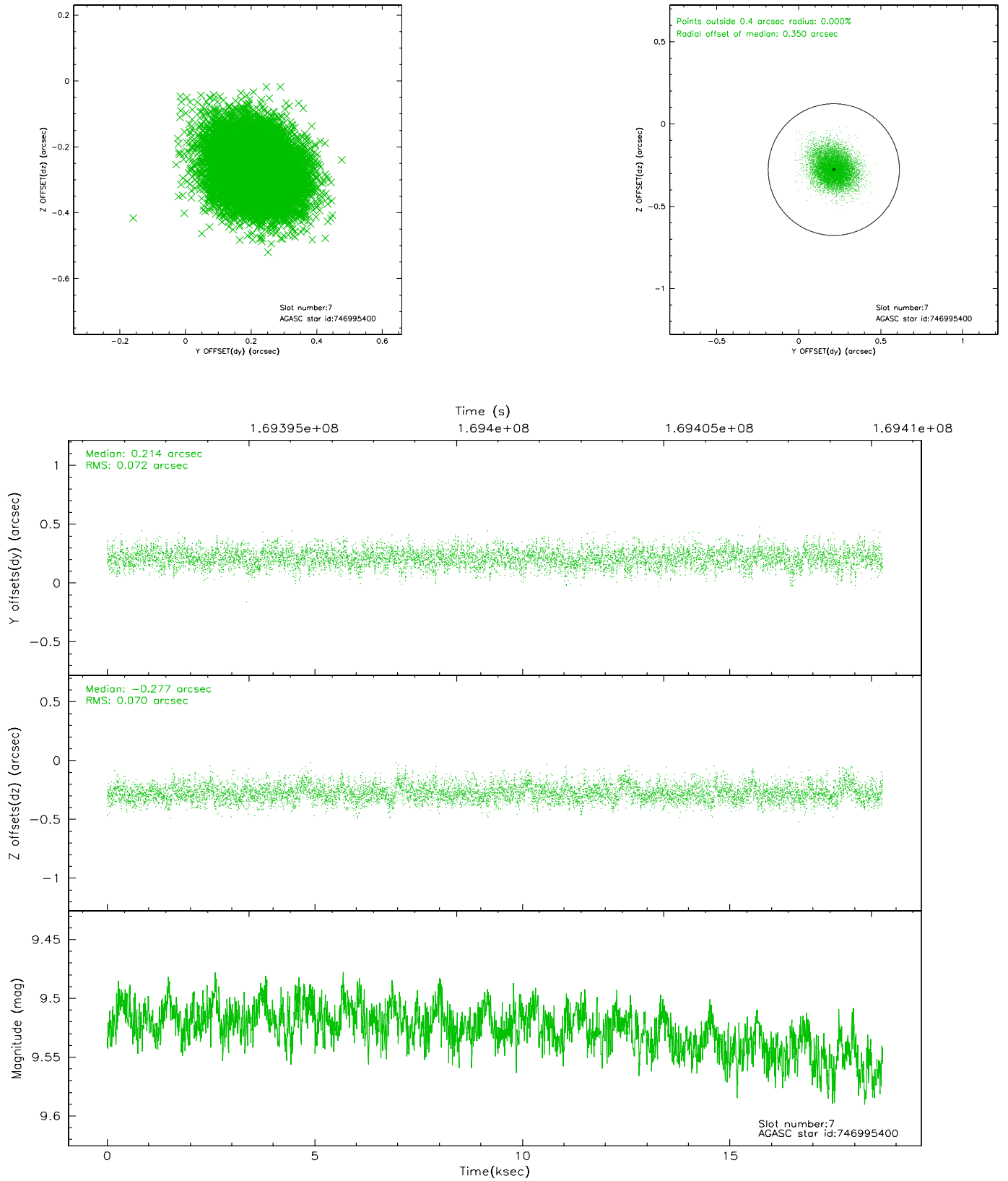
### 2.4.3 Slot 5



## 2.4.4 Slot 6

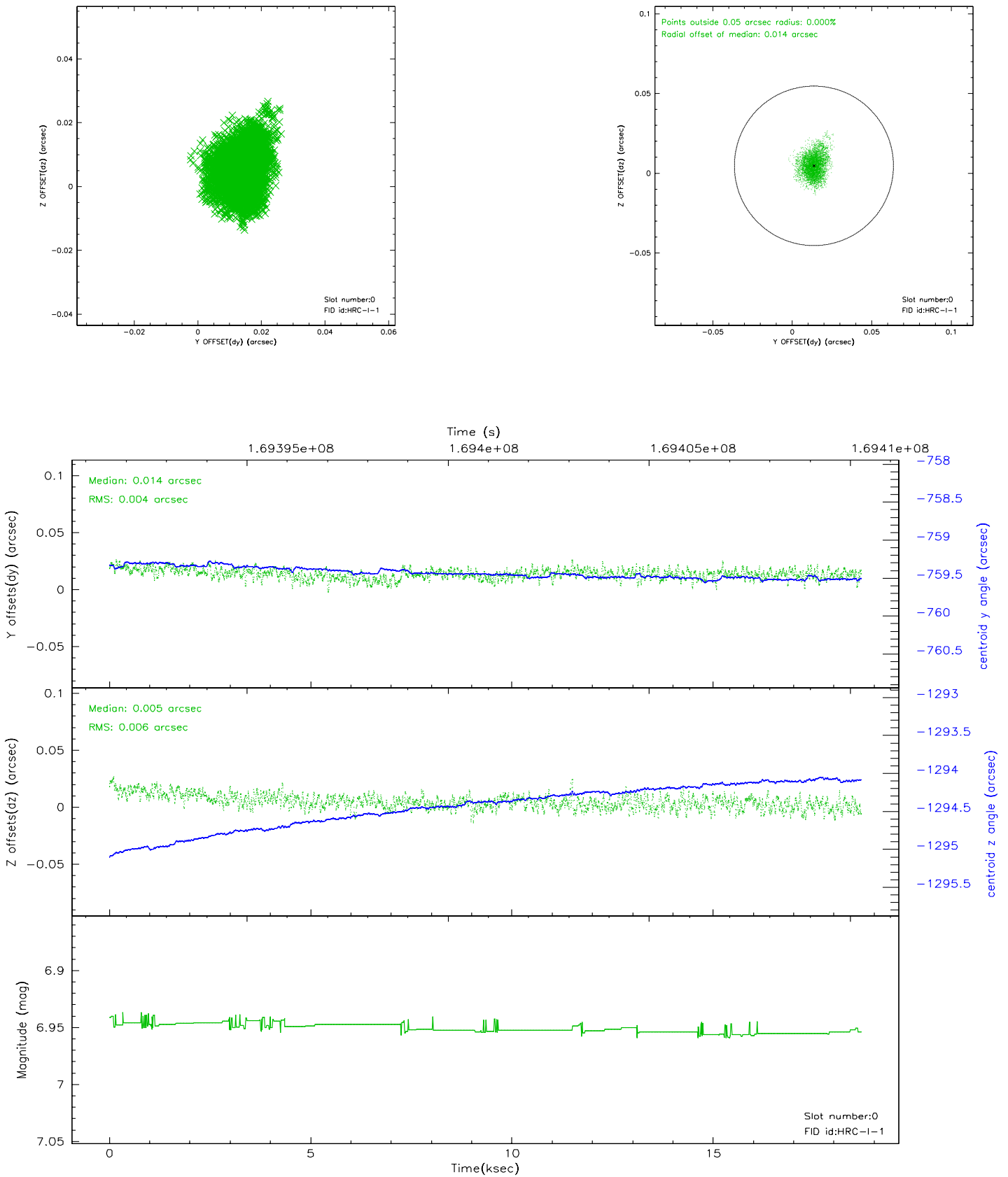


## 2.4.5 Slot 7

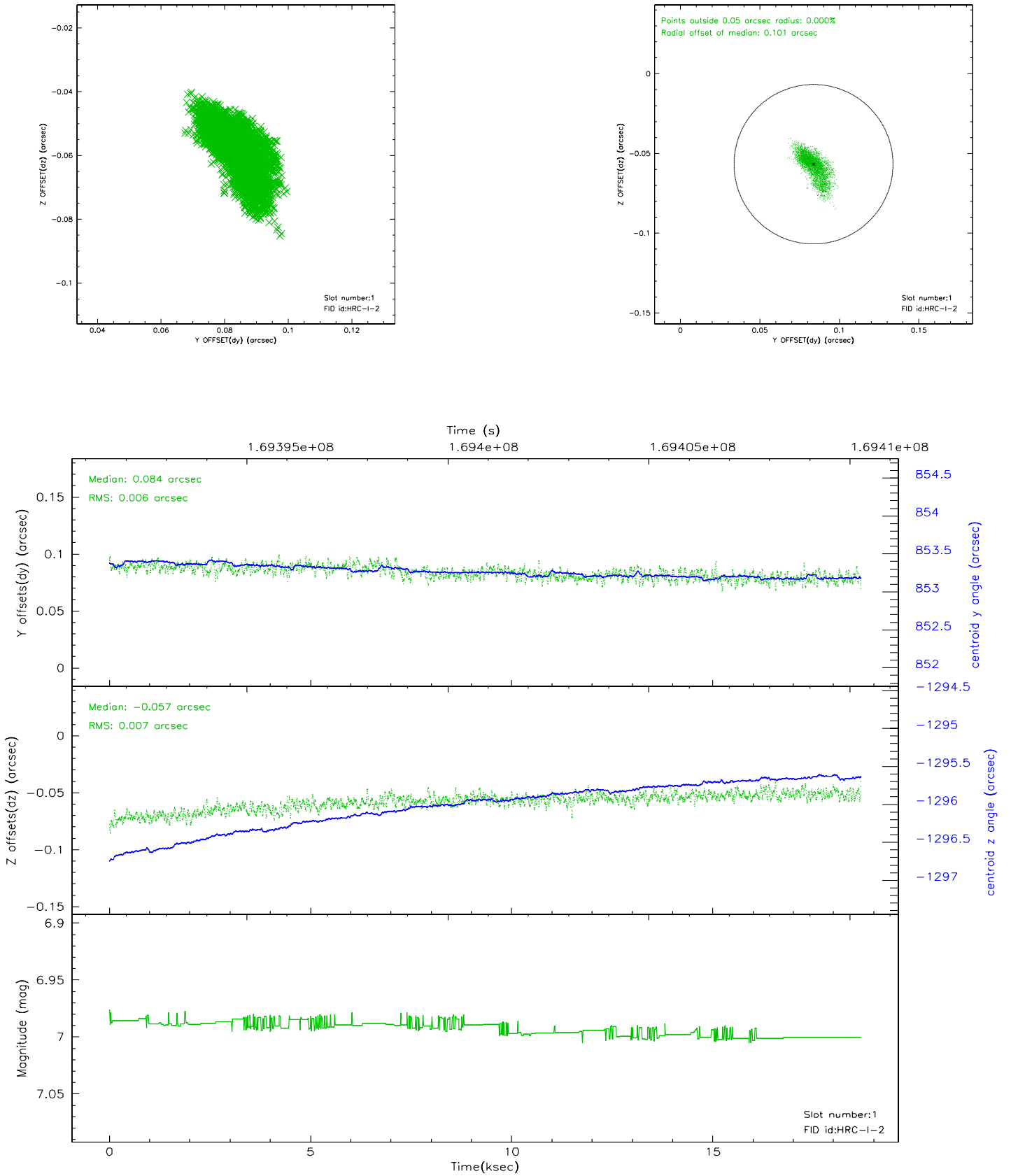


## 2.5 FID Slots

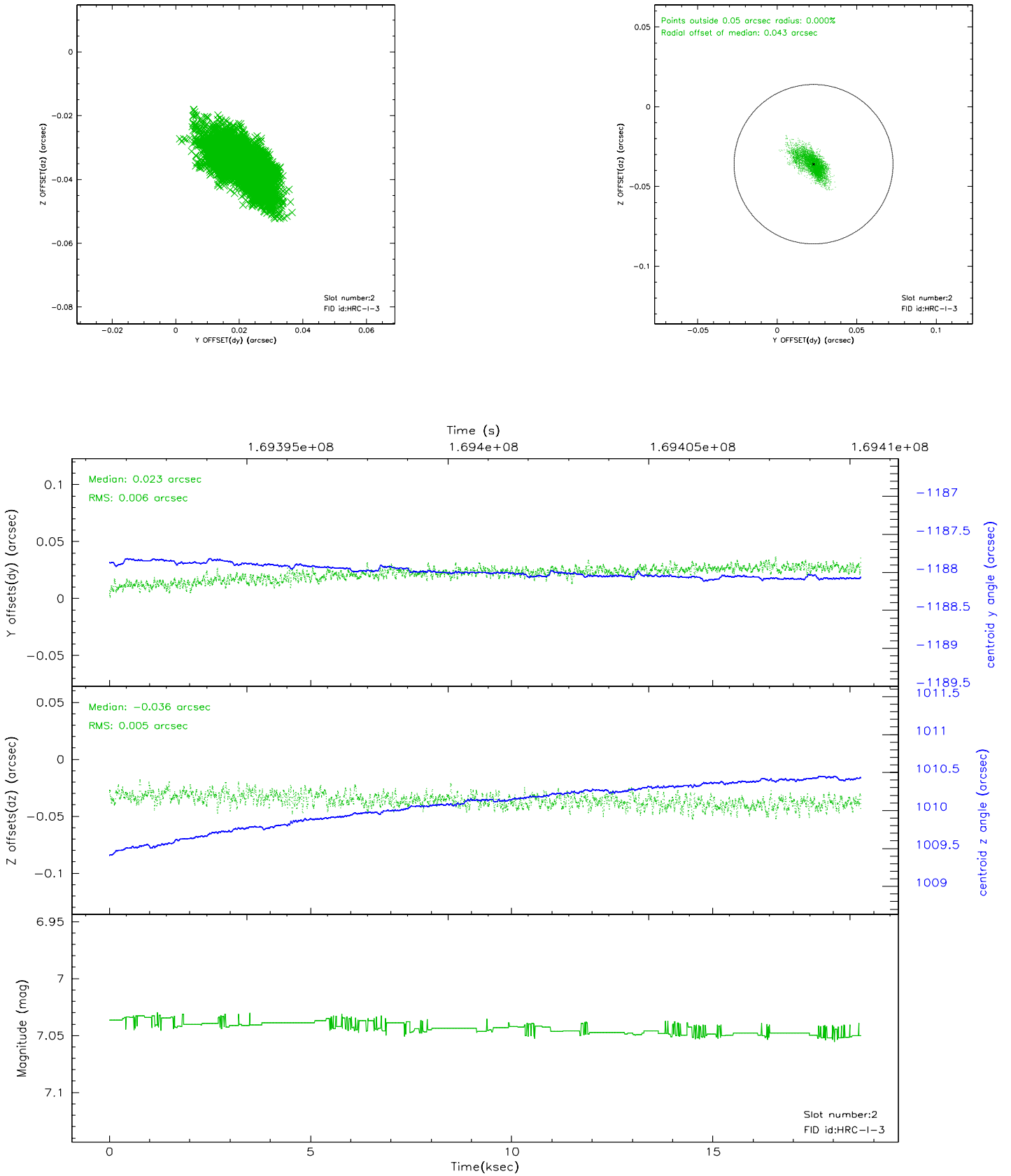
### 2.5.1 Slot 0



## 2.5.2 Slot 1

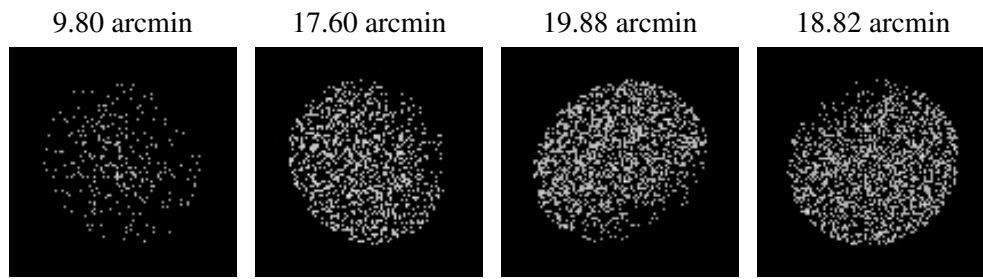


### 2.5.3 Slot 2





### 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	18.392

## 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.