

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1555 - L2 Version 4  
Chandra X-Ray Center

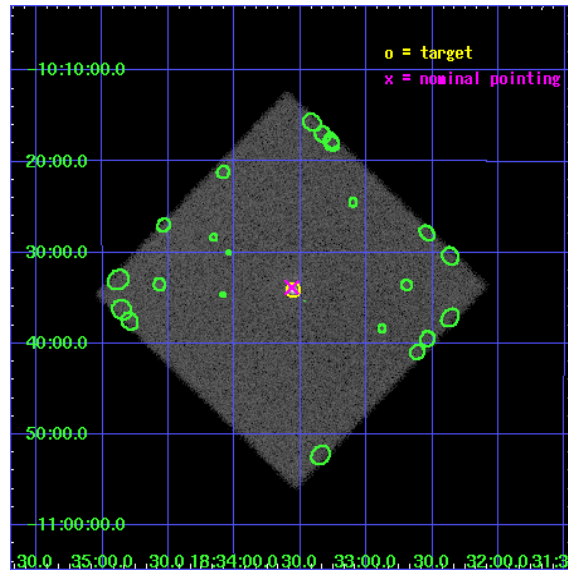
L2 Processing Date : Nov 21 2007

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# 1 Front

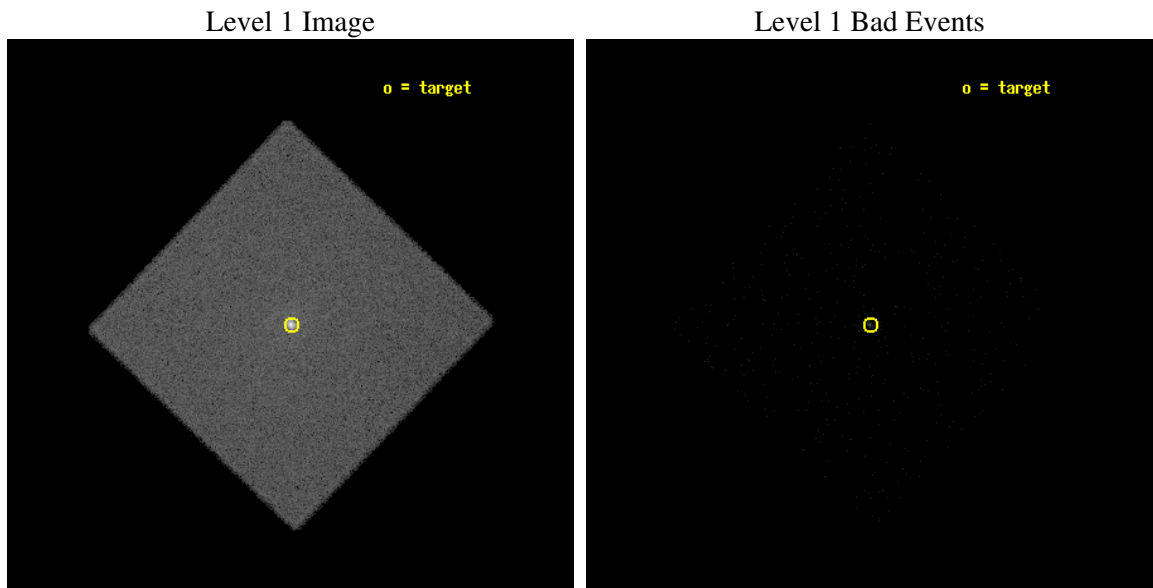
seq_num	590164
obs_id	1555
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [HRC-I, Offsets=0,0,0 Offsets=AO2A]
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.39138845208
dec_nom	-10.564433326651
roll_nom	88.758459518983
revision	4
ontime	8983.3565971553
livetime	8934.9464849016
l2events	261838



## 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	2007-11-21T09:24:58
revision	4

sched_exp_time	9000.000000
ontime	8983.3565971553
l1events	389969

### 2.1.3 Events

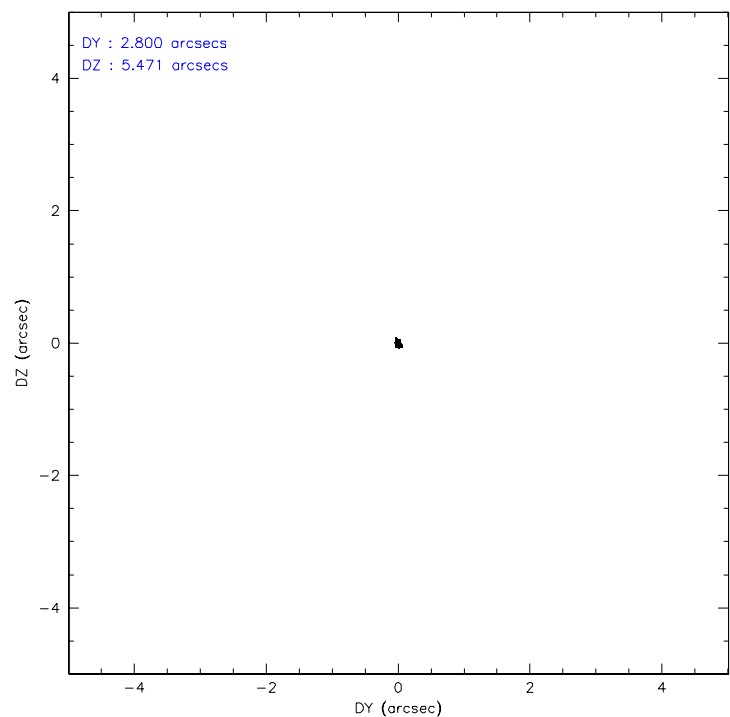
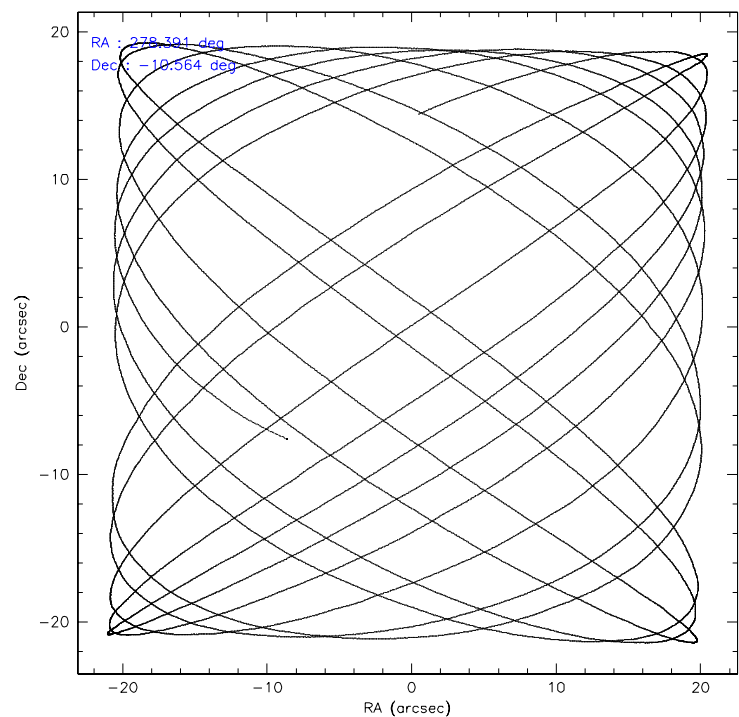
#### Level 1 Events

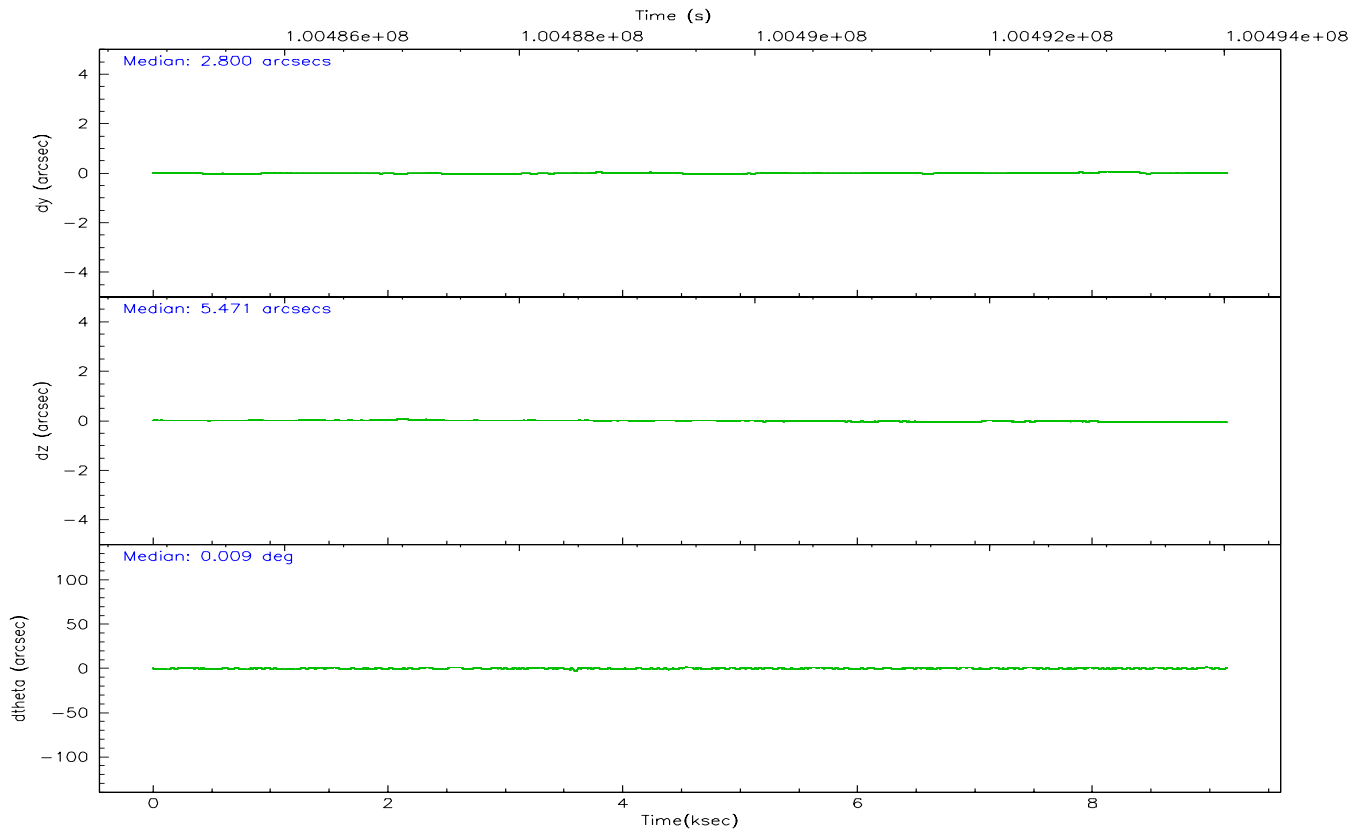
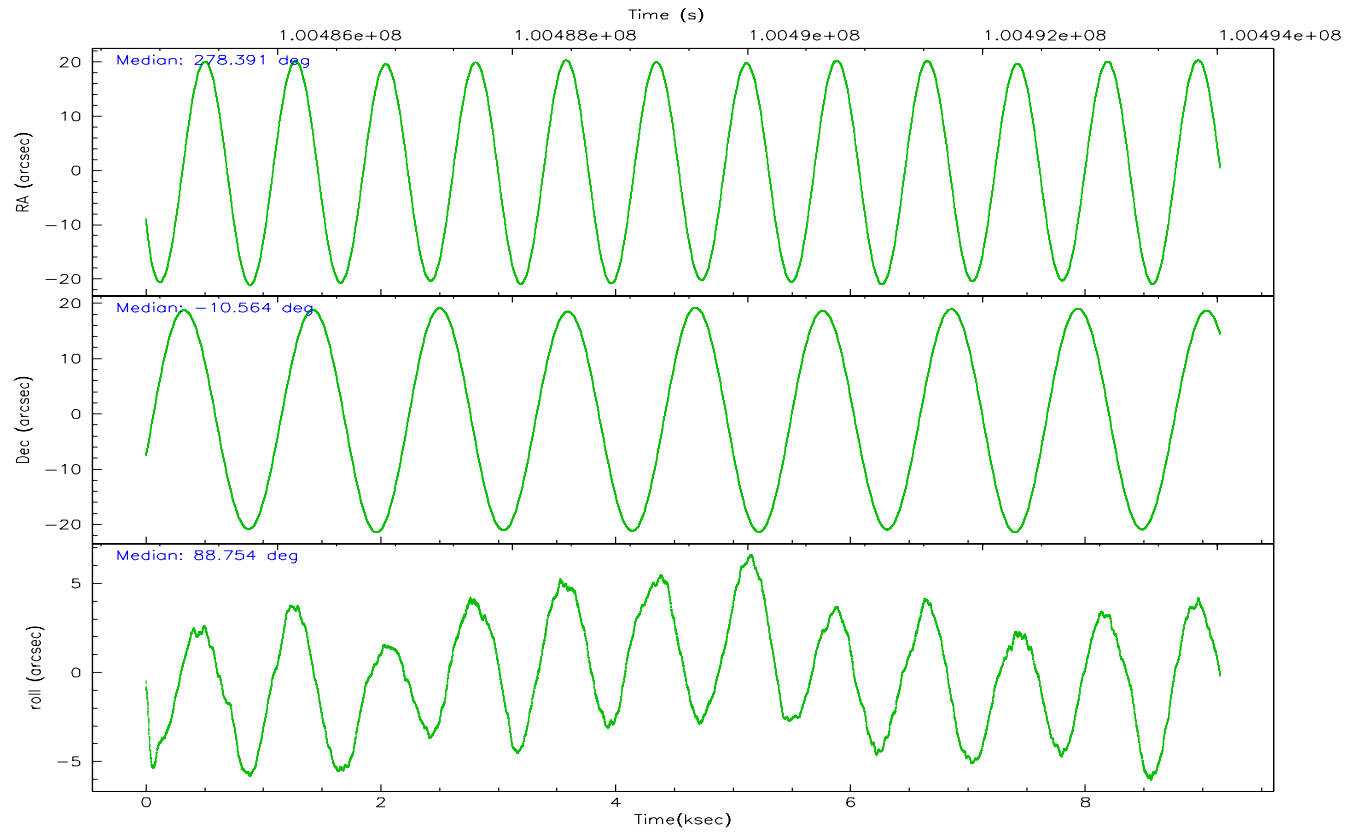
	<b>segment 0</b>
level 1 events	389969
rejected events	6981
rejected %	1%

## 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	278.405122	278.391388452085			
Pointing Dec	-10.588176	-10.56443332665122			
Pointing Roll	88.856474	88.75845951898283			
Window start time	98582464.184000	98582464.184000			
Window stop time	101001664.184000	101001664.184000			
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	100485028.184000	100484626.46168			
Observation start date	2001-03-09T00:29:24	2001-03-09T00:23:46			
Observation end time	100494028.184000	100494164.59954			
Observation end date	2001-03-09T02:59:24	2001-03-09T03:02:44			

## 2.3 Aspect





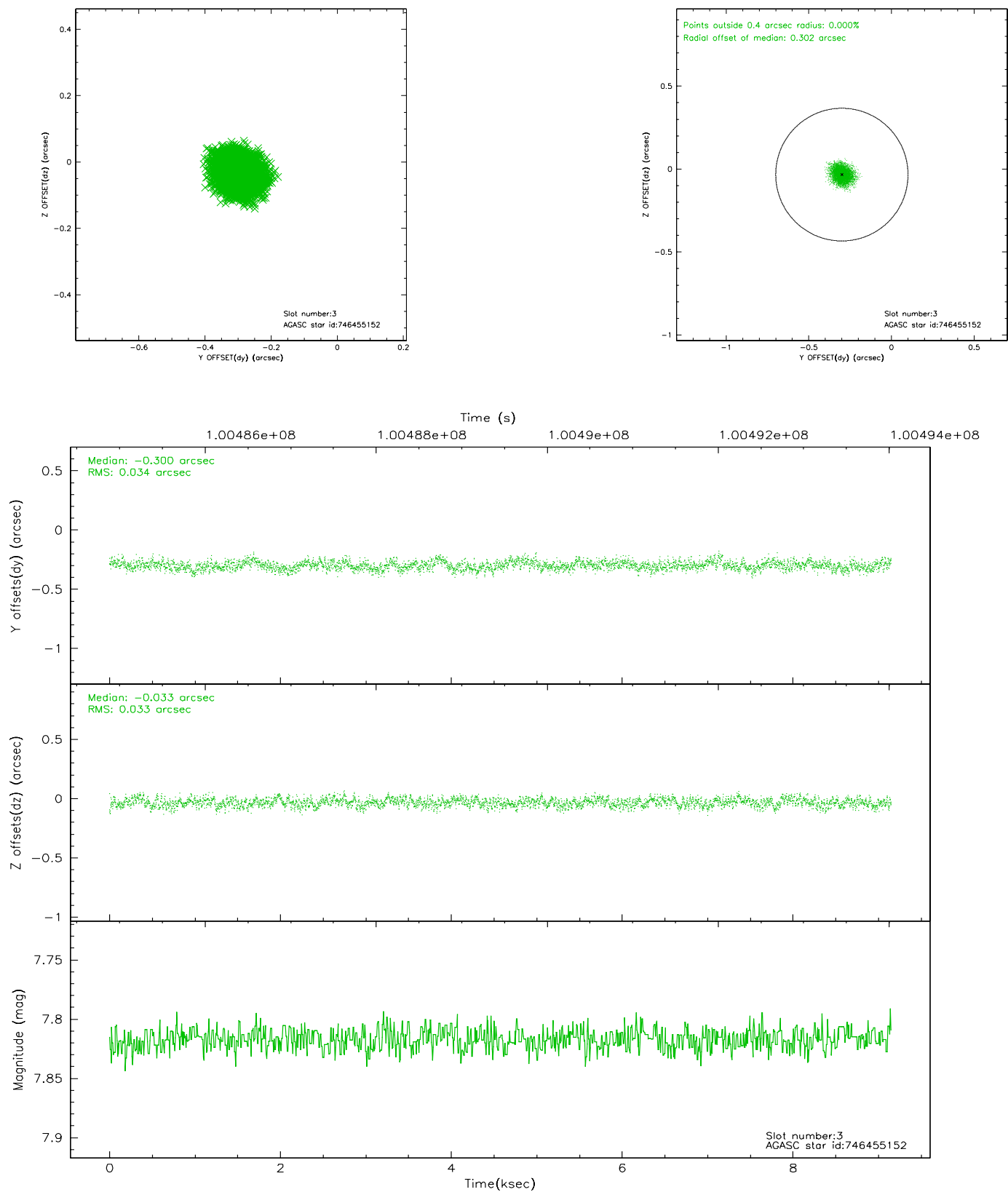
### Slot Statistics

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	2232	0.026	0.029	0.007	0.012	0.000000	0.000000	-758.24	-1293.24
1	FID	HRC-I-3	7.06	2232	0.026	-0.088	0.007	0.013	0.000000	0.000000	-1187.07	1010.63
2	FID	HRC-I-4	7.00	2231	0.061	-0.030	0.006	0.009	0.000000	0.000000	1284.06	1009.32
3	GUIDE	746455152	7.82	4461	-0.300	-0.033	0.051	0.081	278.447893	-9.976732	2202.67	-107.78
4	GUIDE	746462456	8.38	4464	0.150	-0.119	0.068	0.109	278.652171	-10.530173	225.61	-870.44
5	GUIDE	746462392	8.54	4462	0.137	0.116	0.082	0.132	279.038421	-10.890715	-1047.26	-2260.70
6	GUIDE	746455112	8.94	4464	0.140	-0.004	0.075	0.123	278.266531	-10.703234	-424.93	481.05
7	GUIDE	746460272	8.94	4461	-0.127	0.047	0.071	0.115	278.847488	-10.152127	1598.77	-1535.95

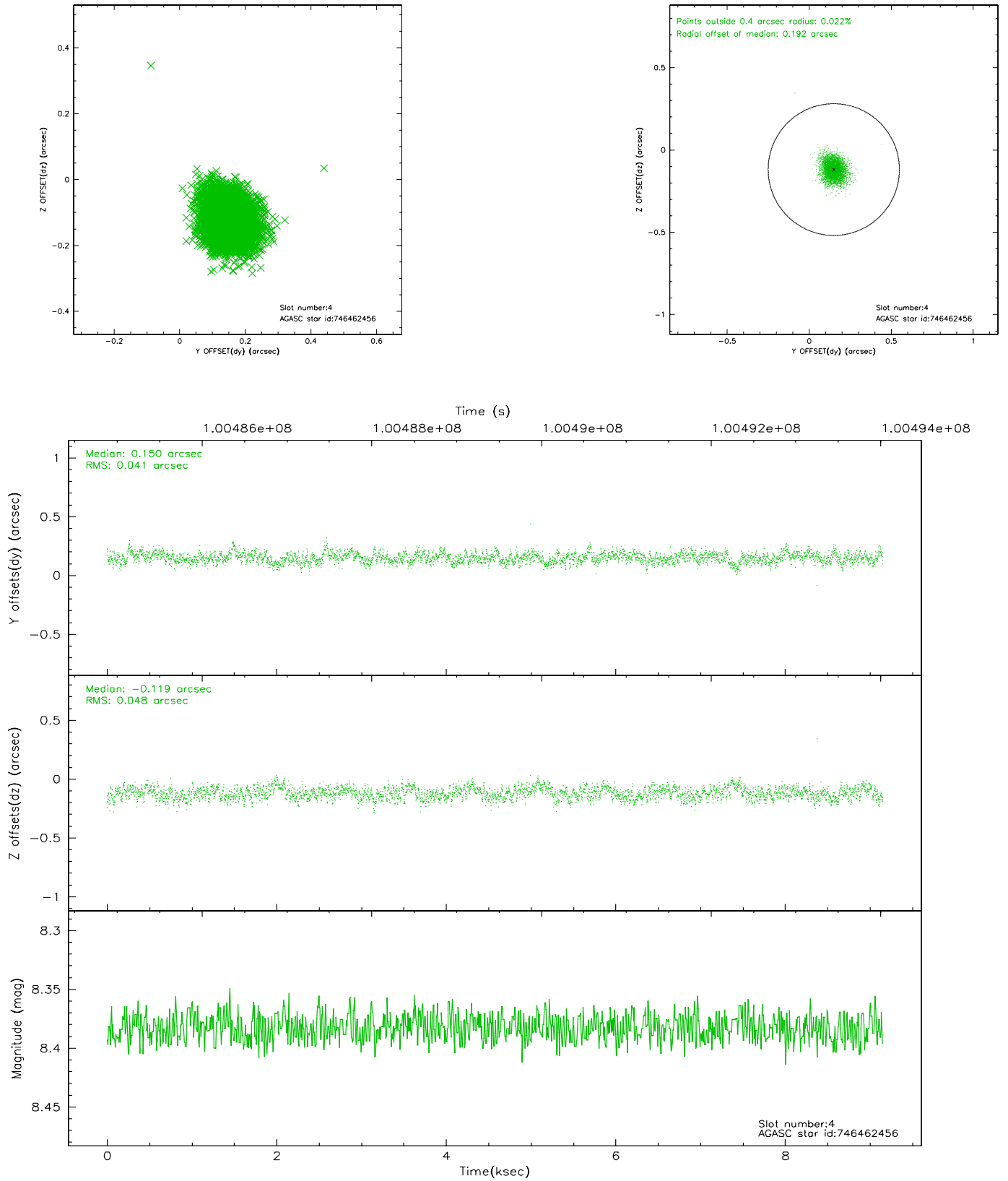


## 2.4 Star Slots

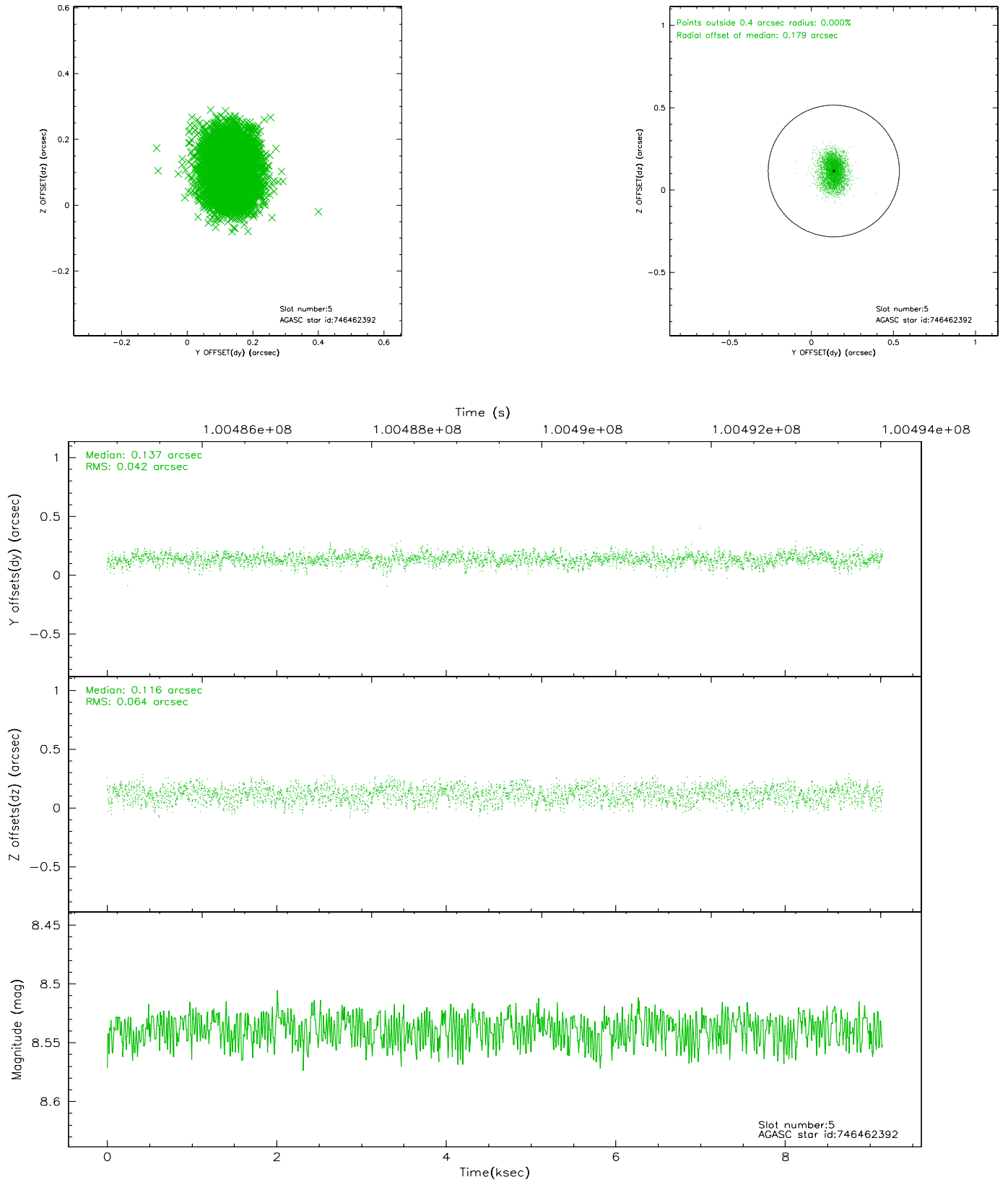
### 2.4.1 Slot 3



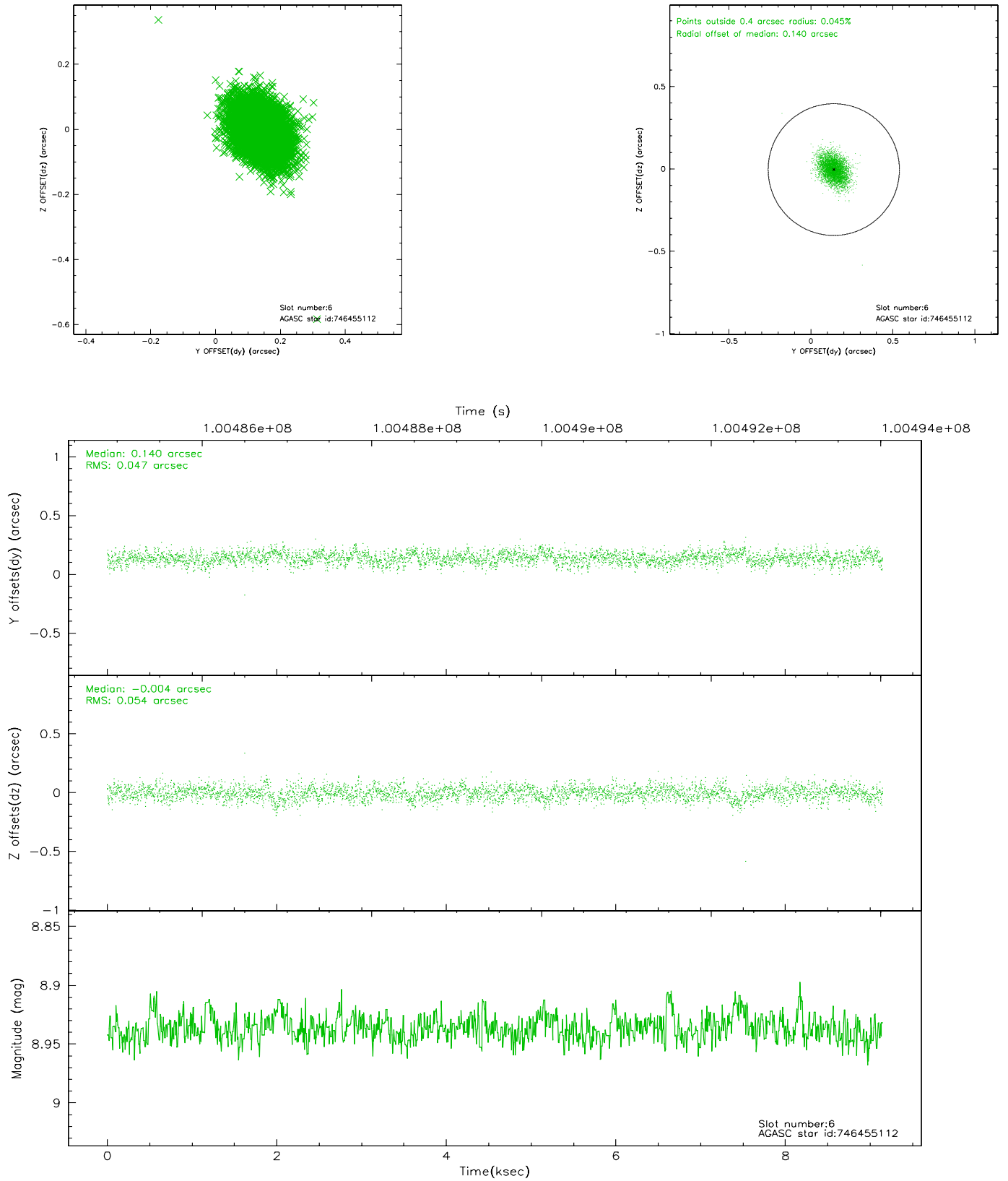
## 2.4.2 Slot 4



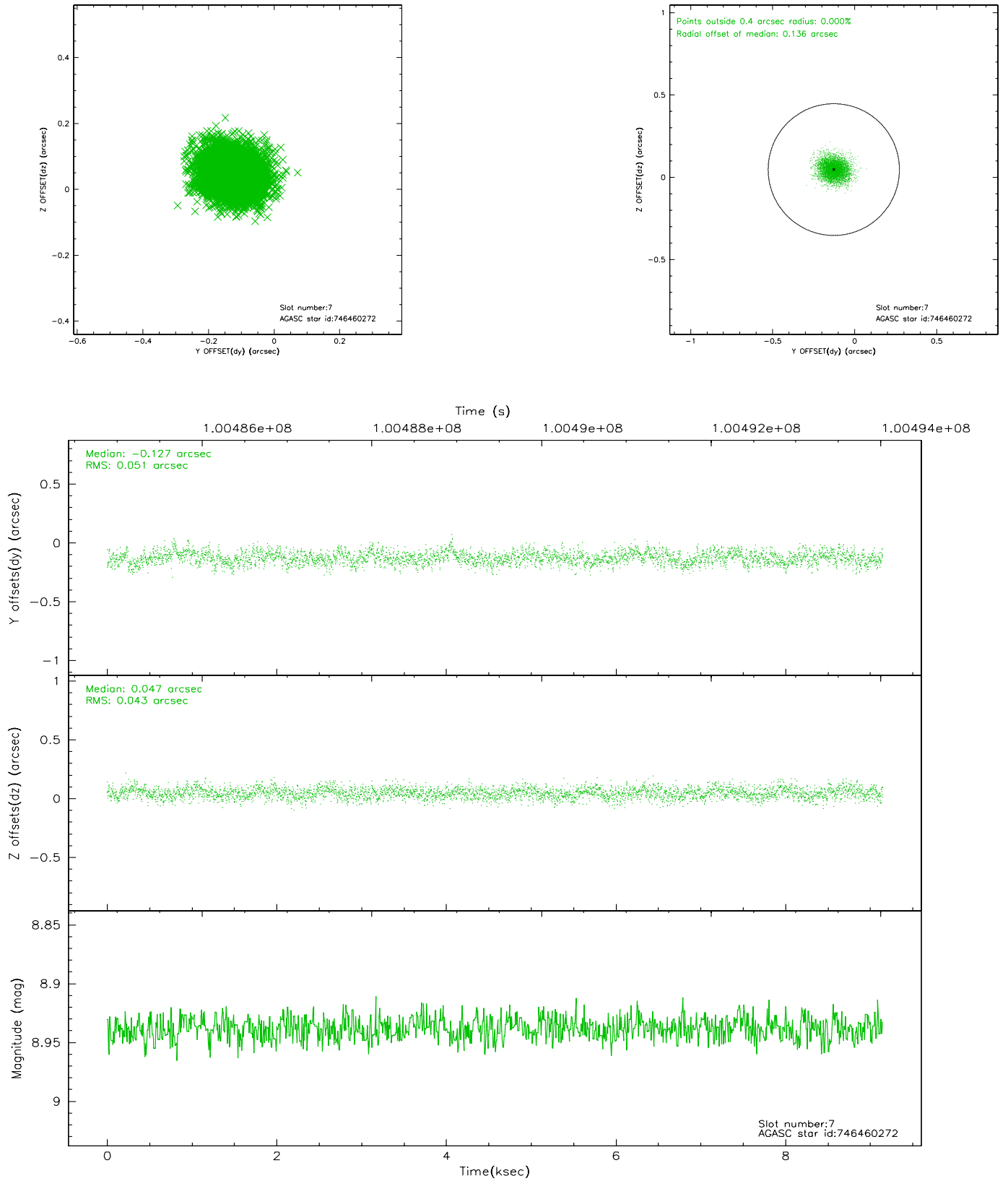
### 2.4.3 Slot 5



## 2.4.4 Slot 6

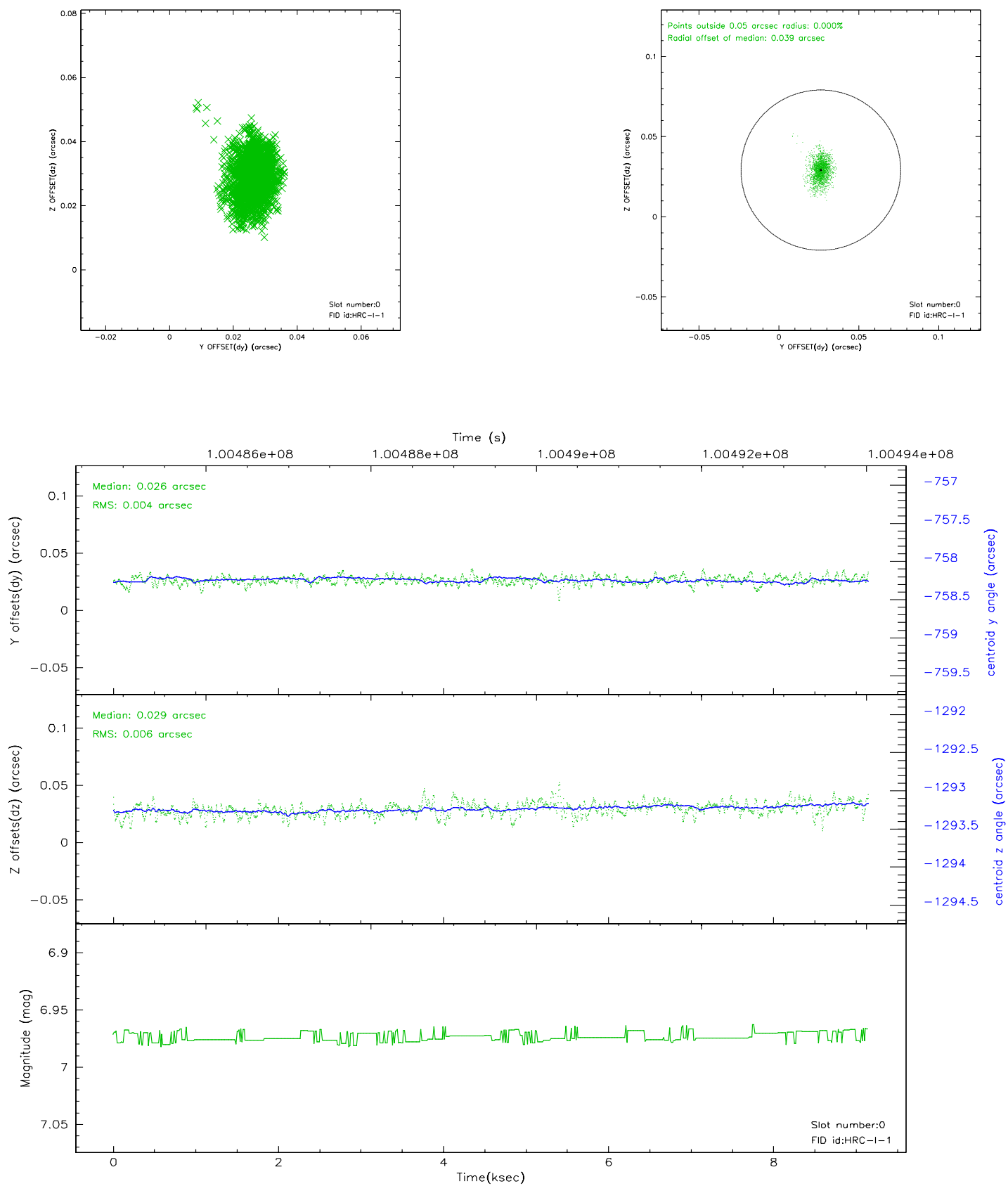


## 2.4.5 Slot 7

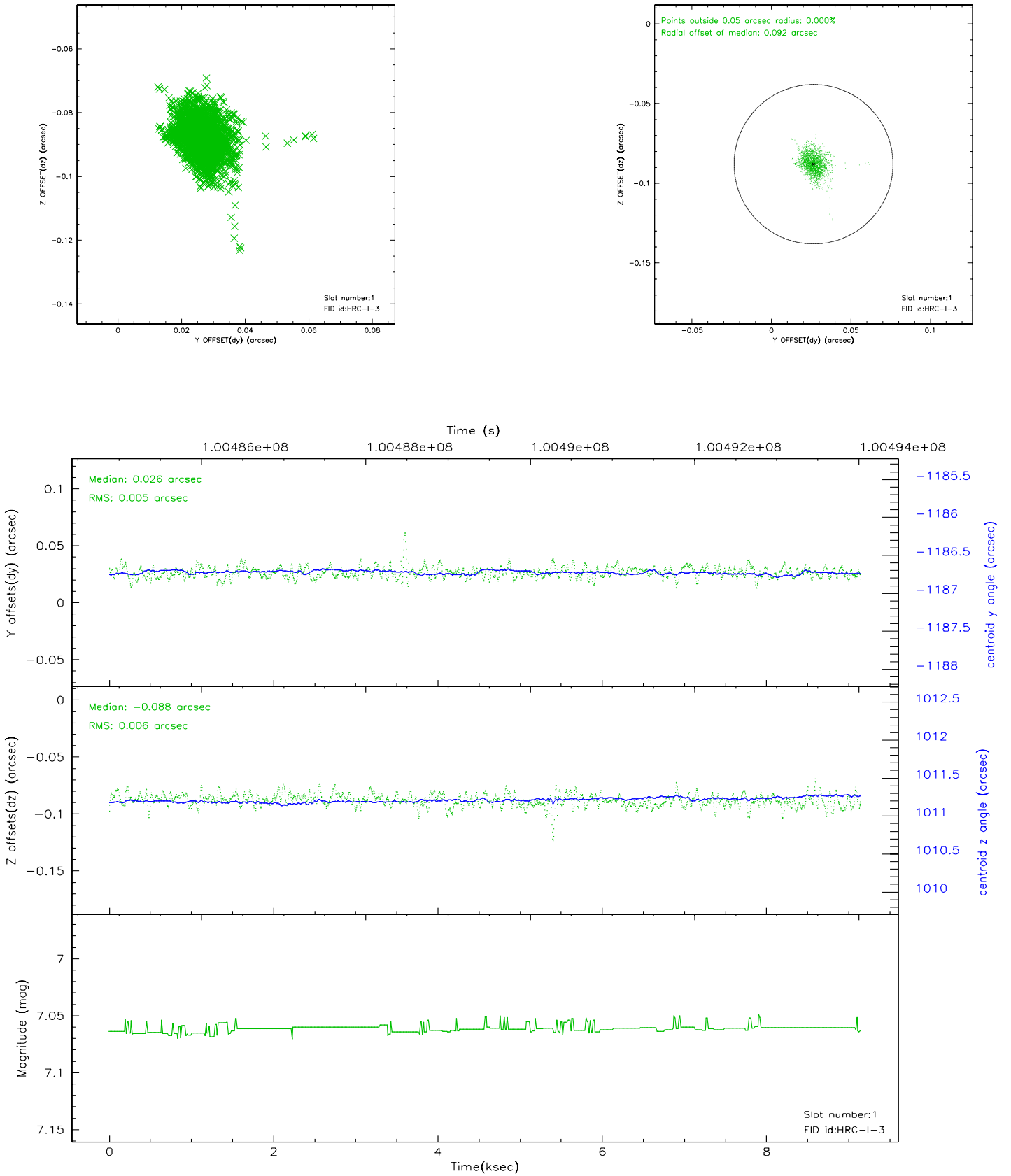


## 2.5 FID Slots

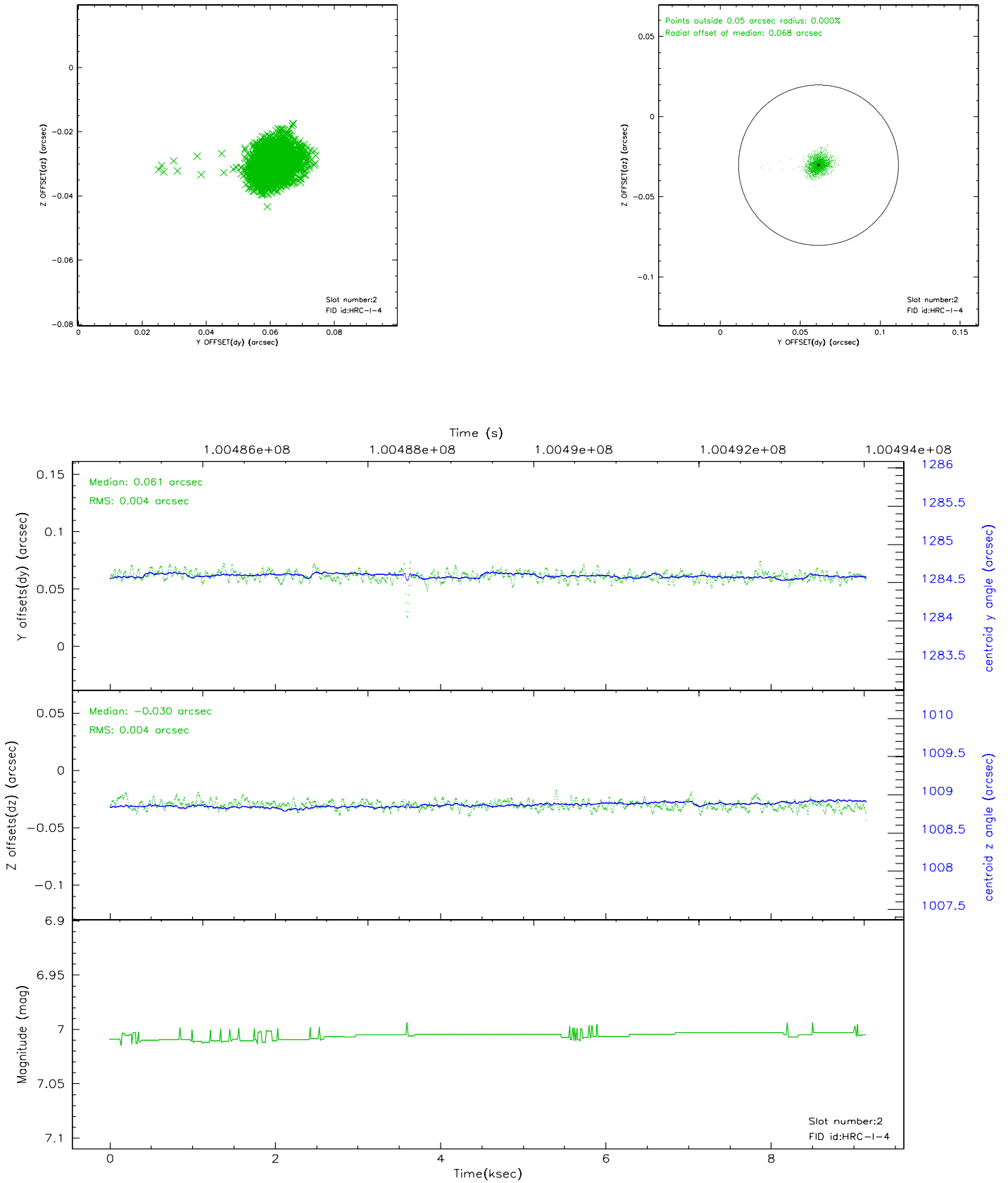
### 2.5.1 Slot 0



## 2.5.2 Slot 1

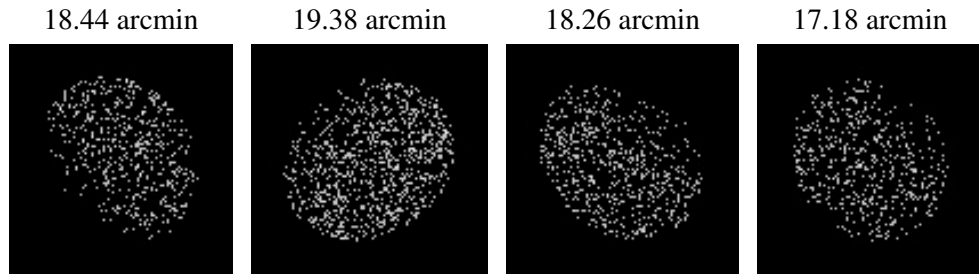


### 2.5.3 Slot 2





### 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	8.981

## 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.