

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5997 - L2 Version 3  
Chandra X-Ray Center

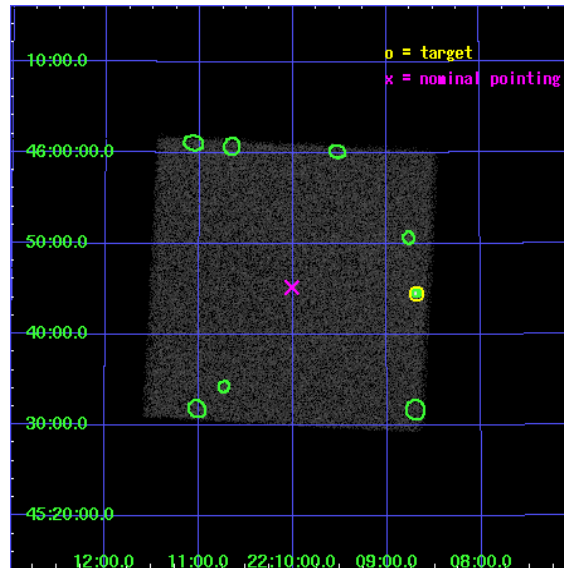
L2 Processing Date : Nov 24 2007

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# 1 Front

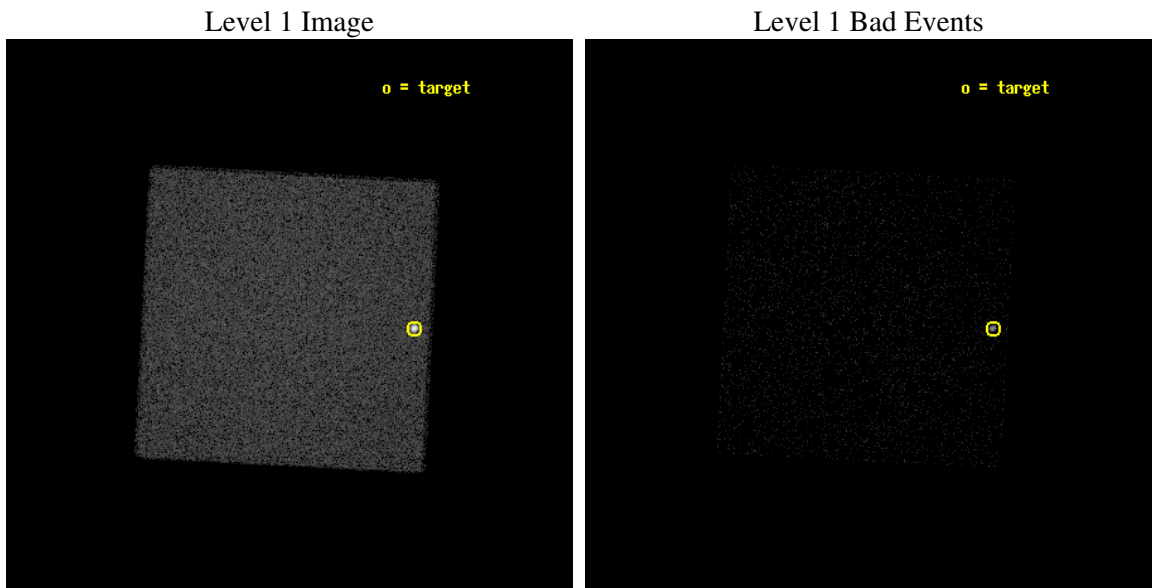
seq_num	290489
obs_id	5997
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.50298873051
dec_nom	45.753670857593
roll_nom	228.03064373387
revision	3
ontime	1169.5250537992
livetime	1157.5433225148
l2events	91756



## 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	2007-11-24T17:48:57
revision	3

sched_exp_time	988.751000
ontime	1169.5250537992
l1events	170142

### 2.1.3 Events

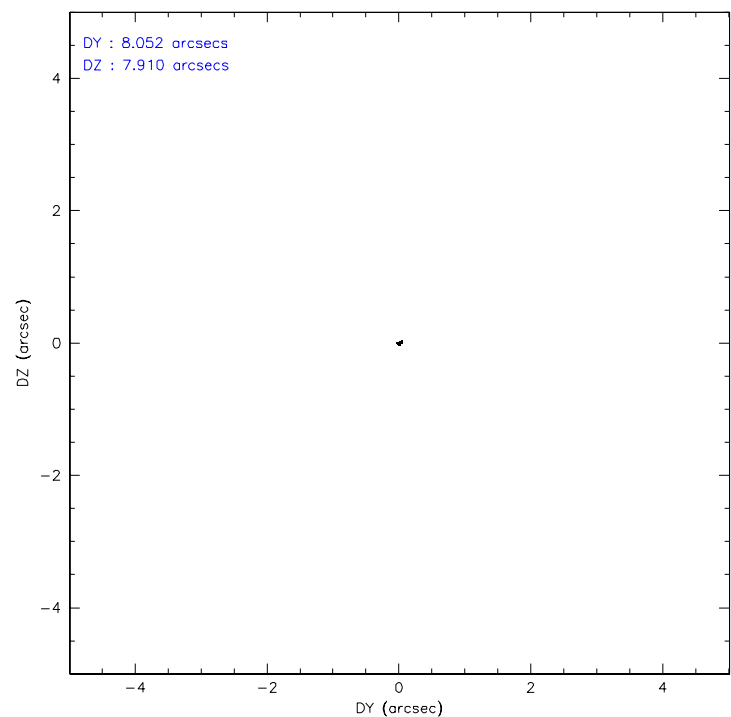
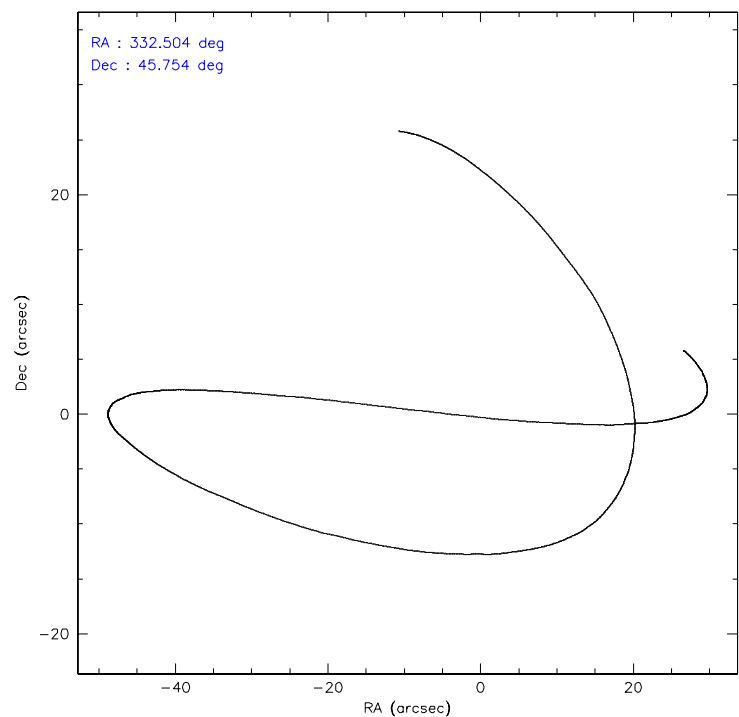
#### Level 1 Events

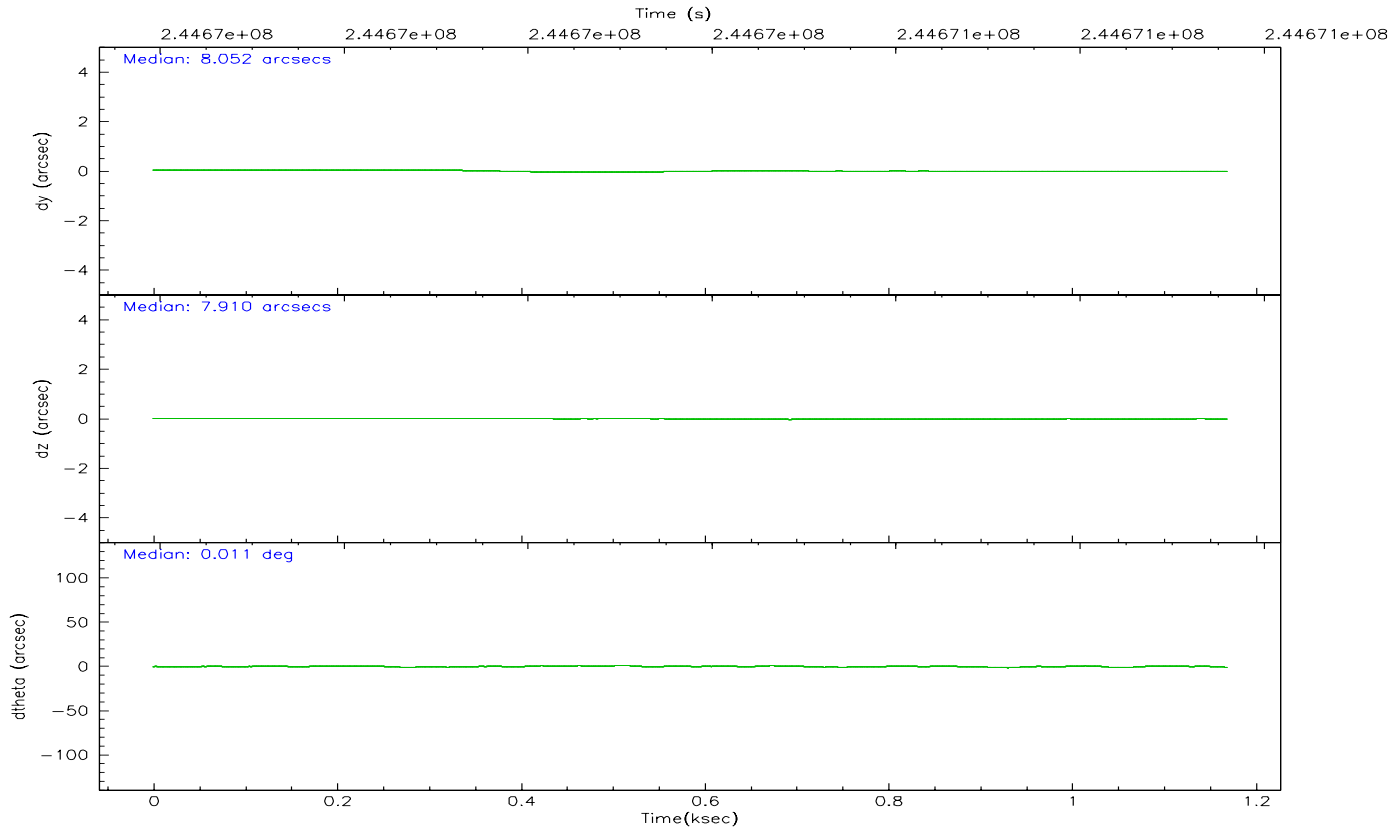
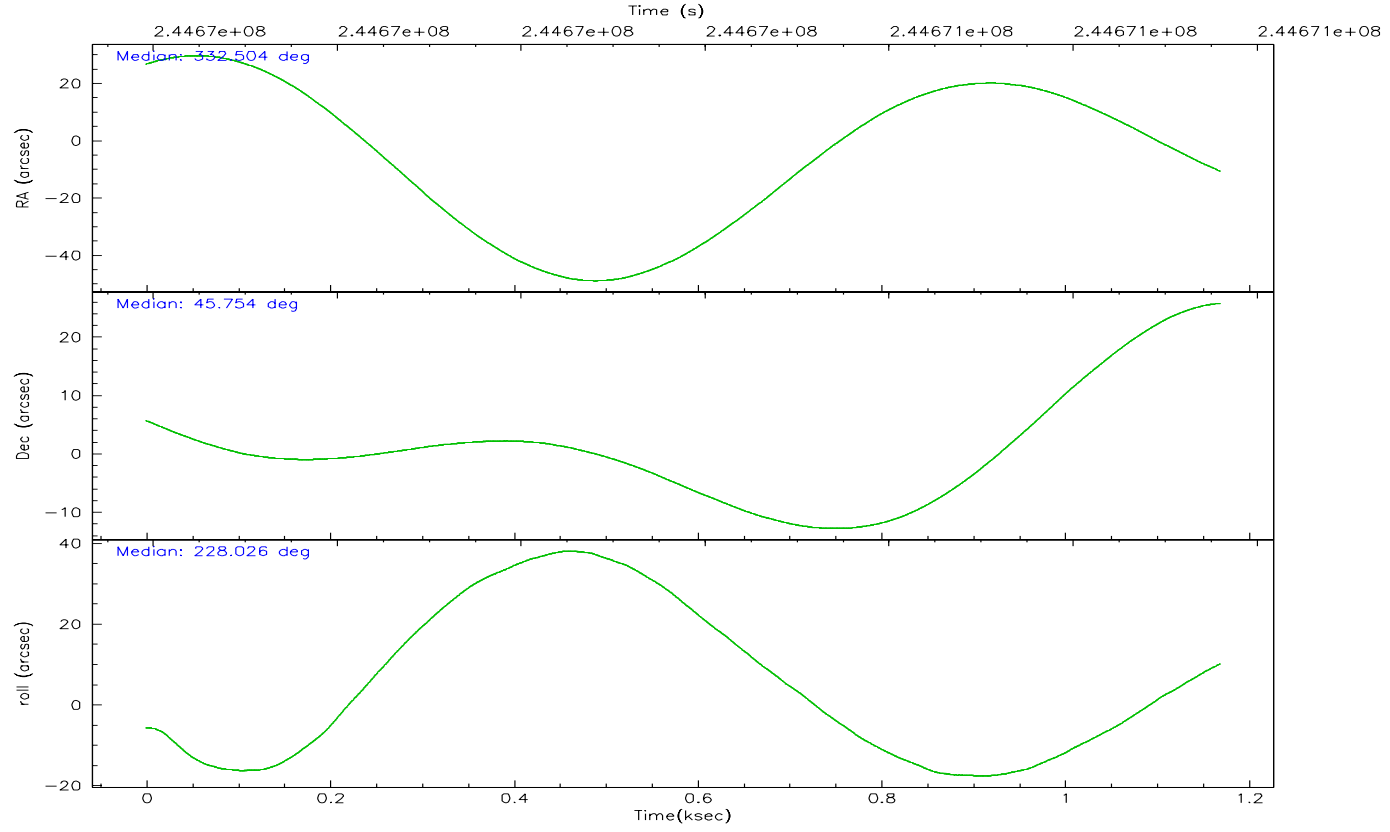
	<b>segment 0</b>
level 1 events	170142
rejected events	46068
rejected %	27%

## 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	332.509012	332.502988730513			
Pointing Dec	45.780496	45.75367085759322			
Pointing Roll	228.121797	228.0306437338688			
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	244669971.184000	244669595.50624			
Observation start date	2005-10-02T19:51:47	2005-10-02T19:46:35			
Observation end time	244670960.184000	244671155.04381			
Observation end date	2005-10-02T20:08:16	2005-10-02T20:12:35			

2.3 Aspect





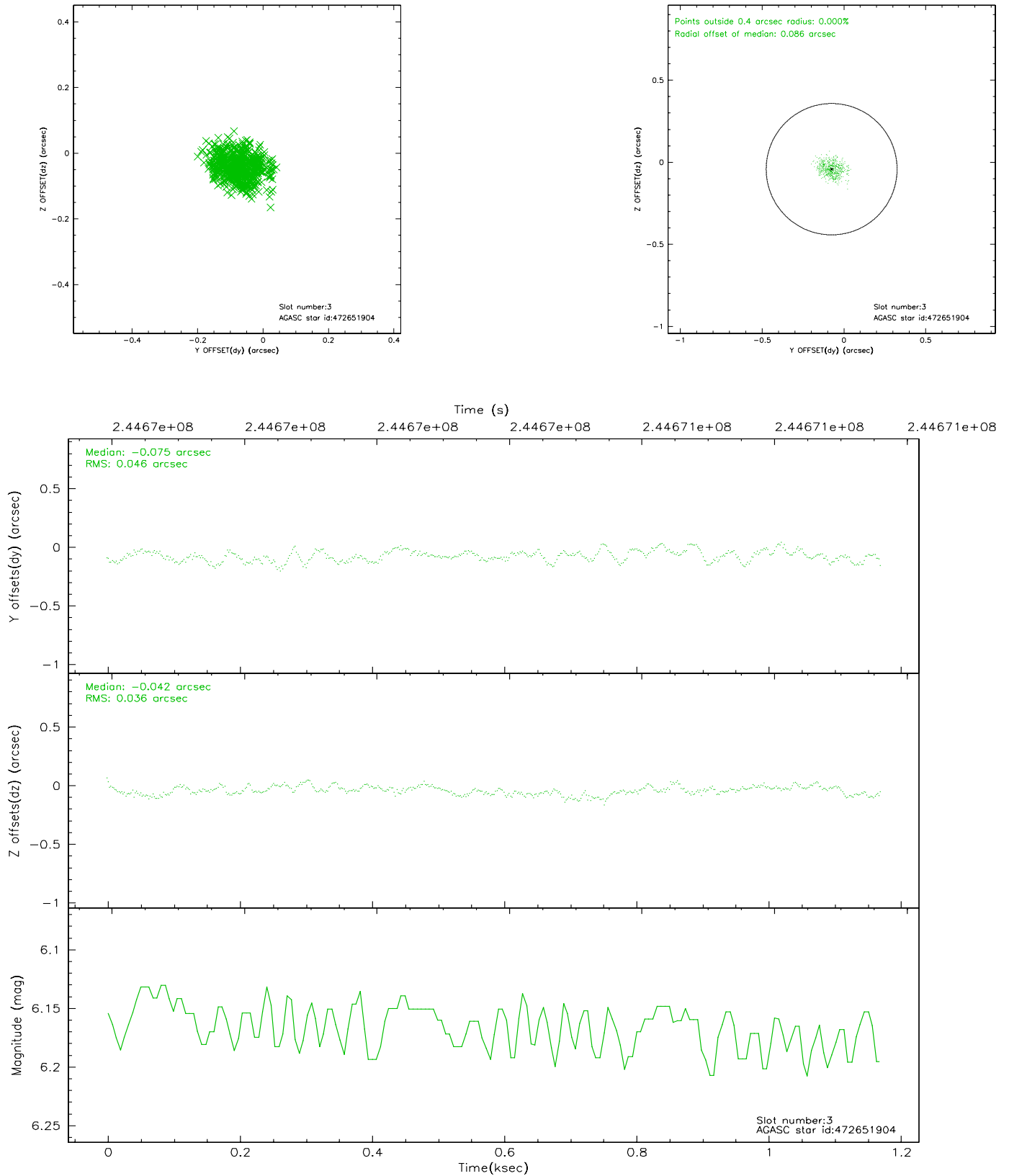
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	286	0.050	0.022	0.006	0.009	0.000000	0.000000	-763.69	-1295.72
1	FID	HRC-I-3	7.08	286	-0.062	-0.062	0.007	0.011	0.000000	0.000000	-1194.84	1004.25
2	FID	HRC-I-4	7.02	286	0.127	-0.051	0.006	0.010	0.000000	0.000000	1275.12	1009.78
3	GUIDE	472651904	6.16	572	-0.075	-0.042	0.064	0.101	332.170077	45.742257	671.23	-546.00
4	GUIDE	472655152	9.44	572	0.107	0.011	0.145	0.244	332.504239	45.862991	-210.13	-210.31
5	GUIDE	472663080	9.42	572	0.033	0.016	0.097	0.162	332.652741	46.473840	-2095.18	-1403.88
6	GUIDE	472665256	9.02	572	0.001	-0.001	0.077	0.120	332.808125	46.195041	-1611.73	-446.98
7	GUIDE	472662552	9.79	571	-0.072	0.041	0.144	0.248	333.514552	45.981196	-2230.27	1376.91

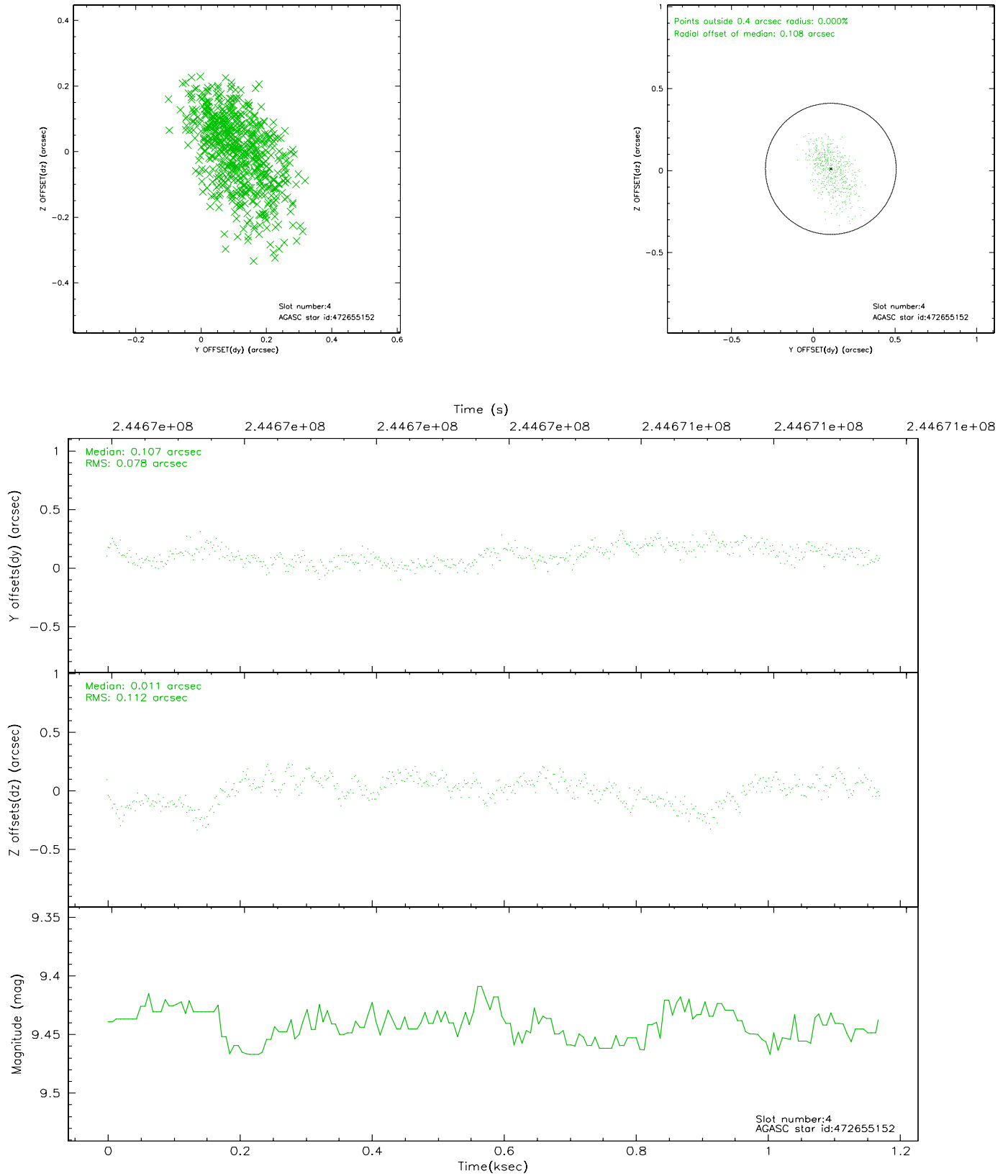


## 2.4 Star Slots

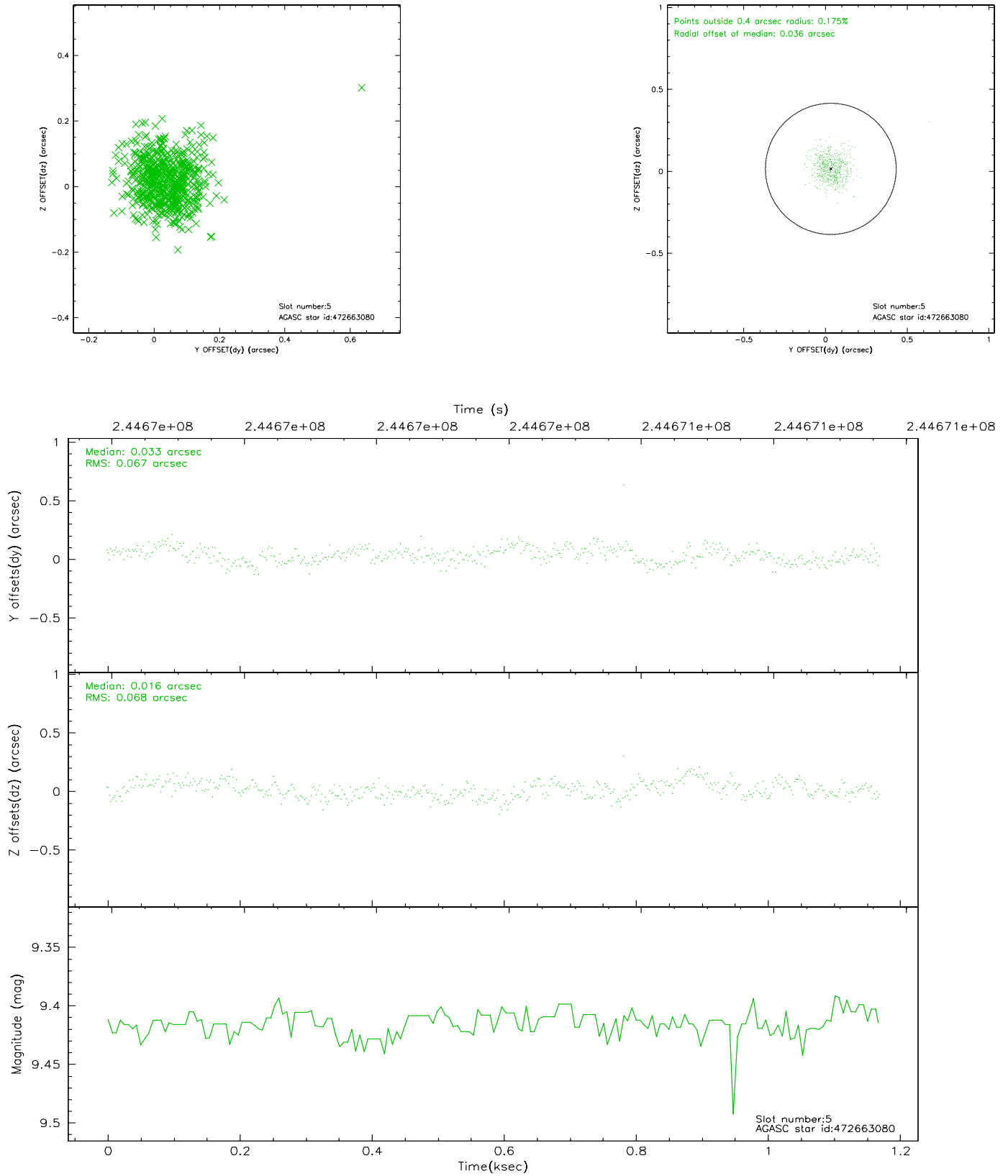
### 2.4.1 Slot 3



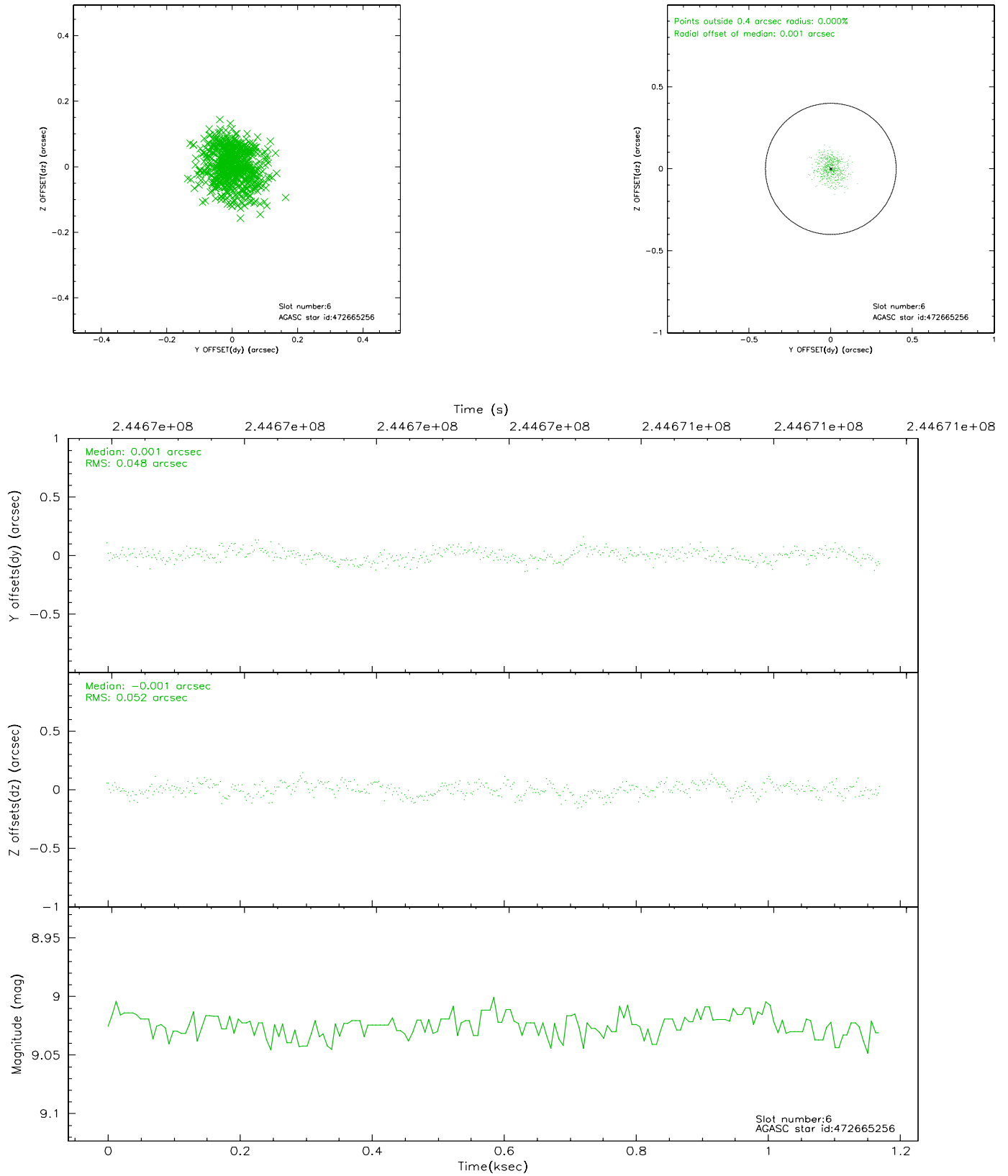
## 2.4.2 Slot 4



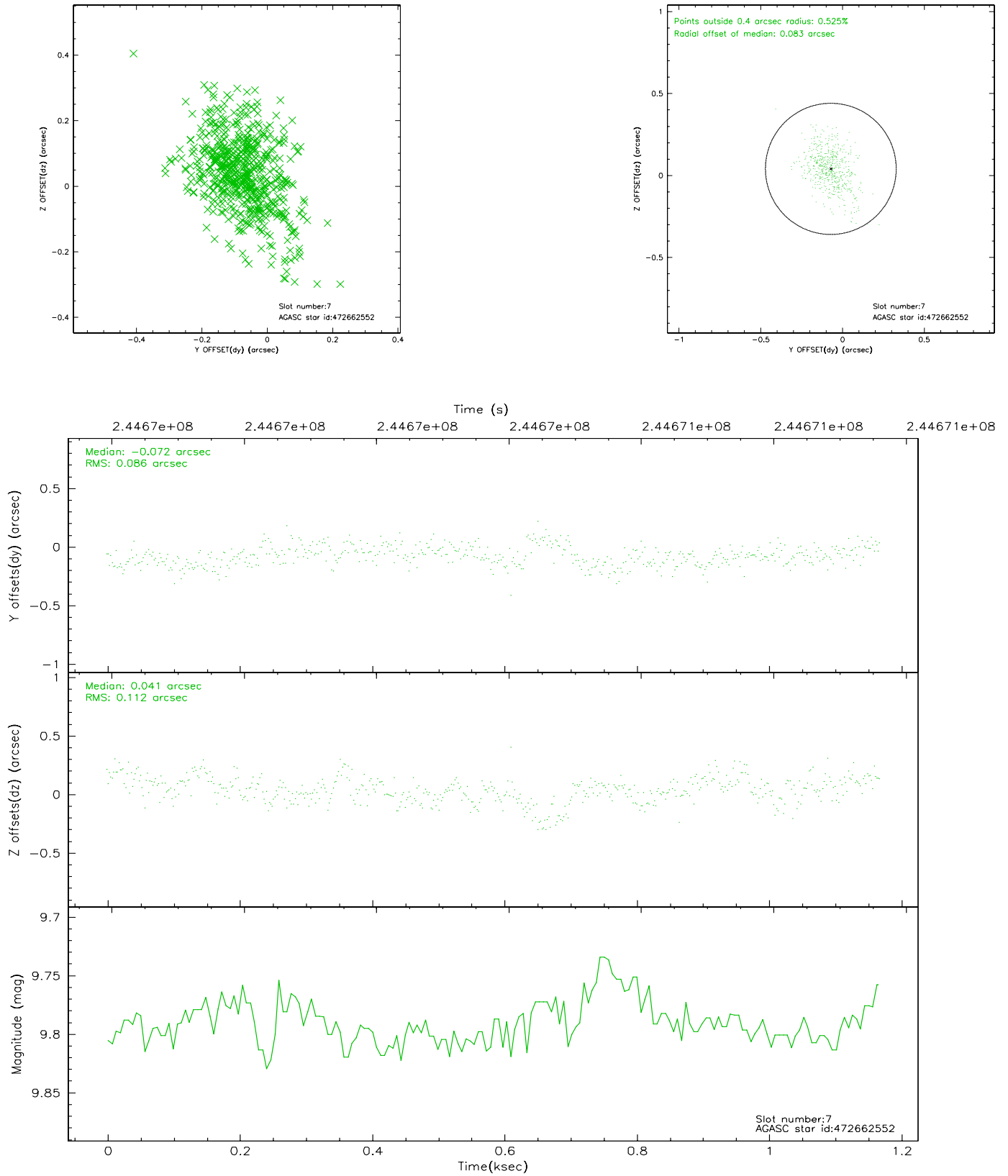
### 2.4.3 Slot 5



## 2.4.4 Slot 6

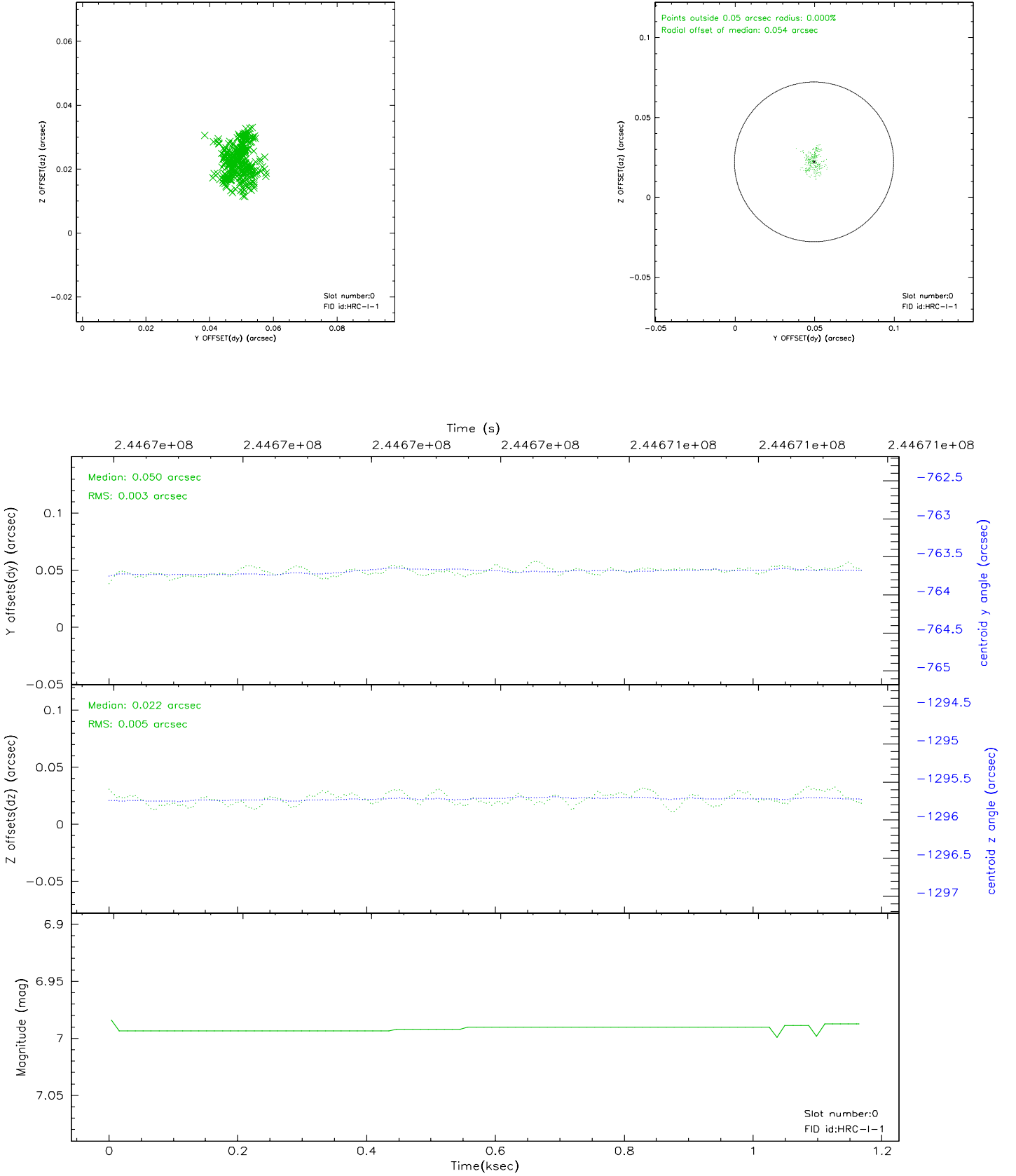


## 2.4.5 Slot 7

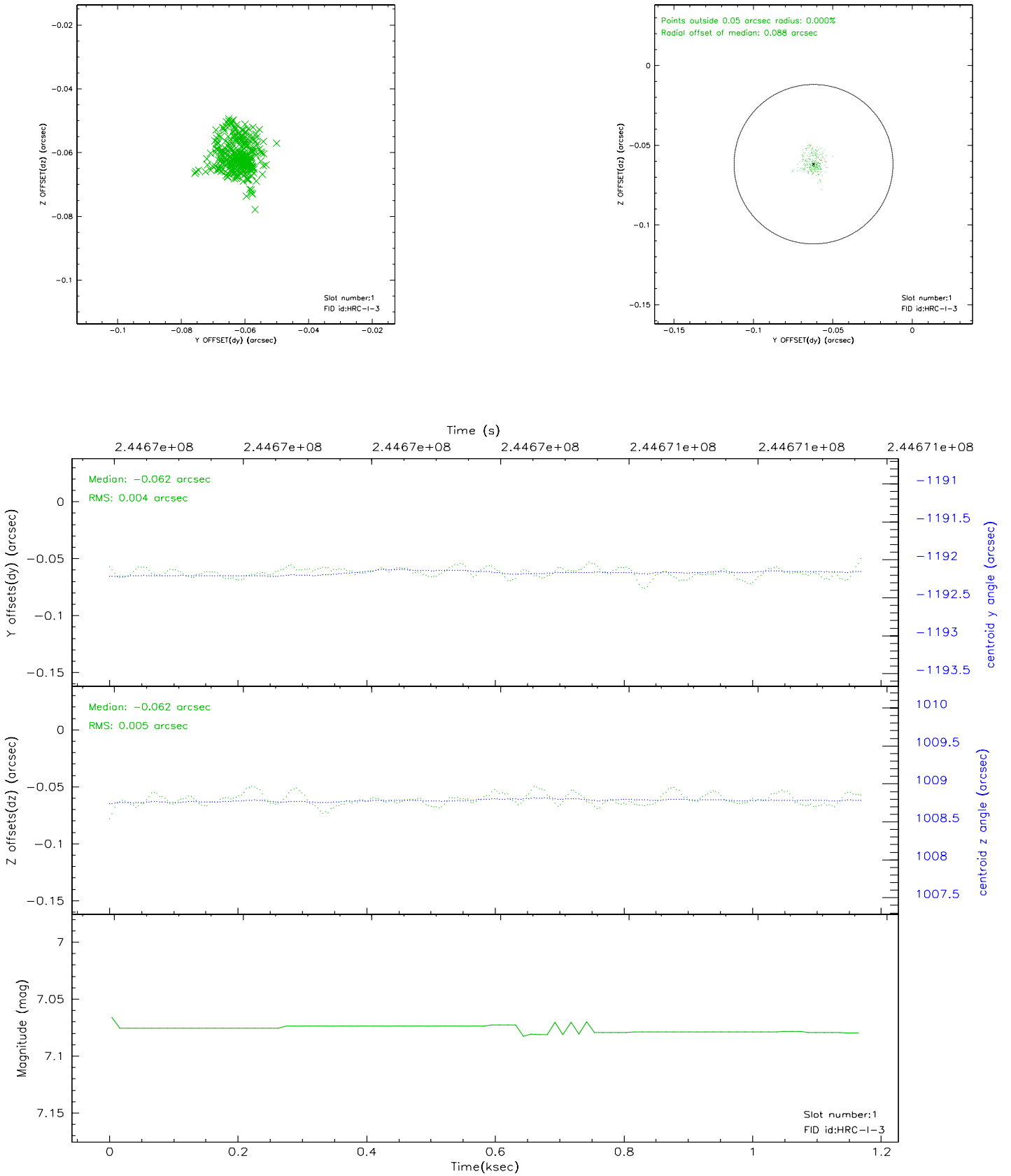


## 2.5 FID Slots

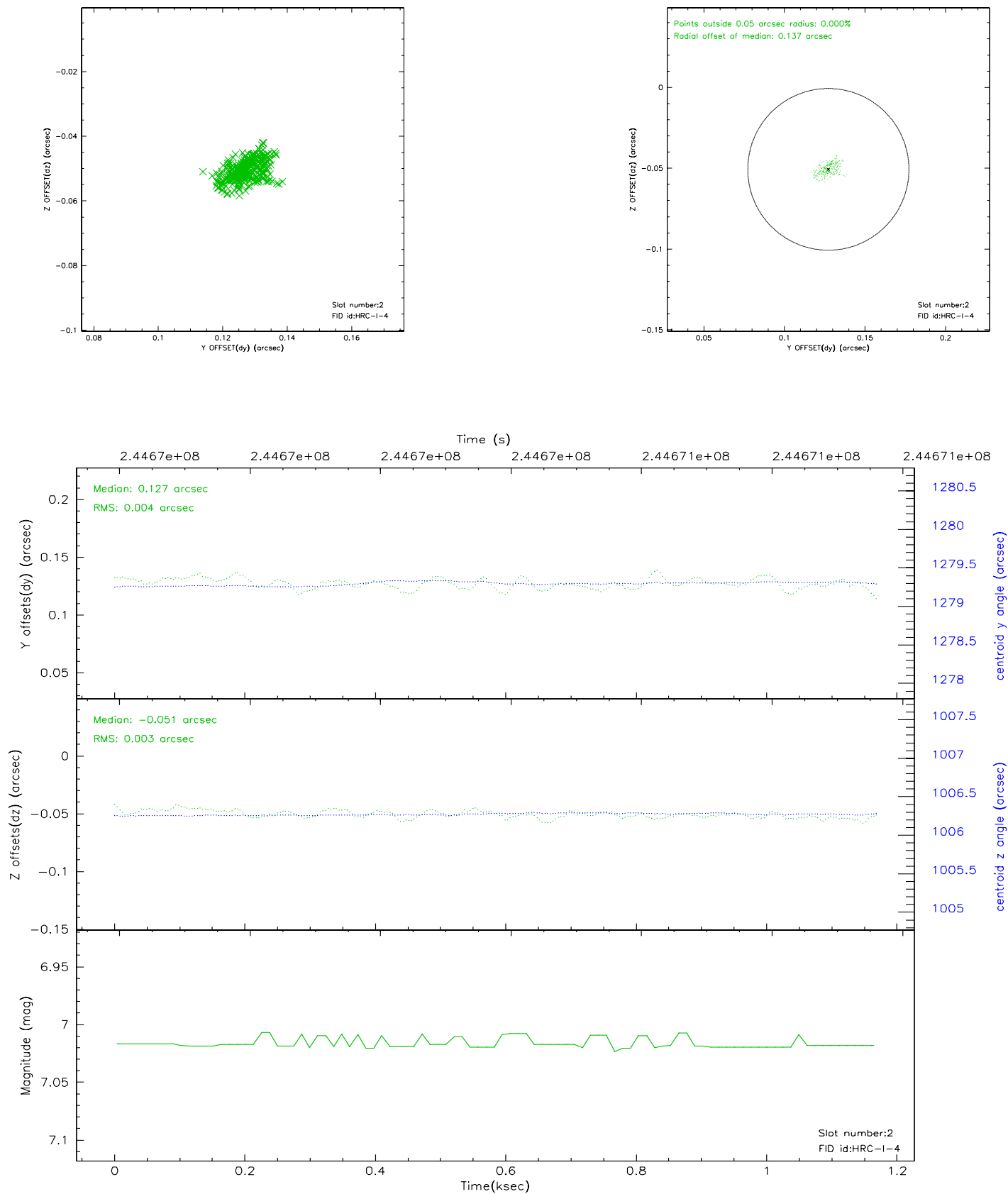
### 2.5.1 Slot 0



## 2.5.2 Slot 1

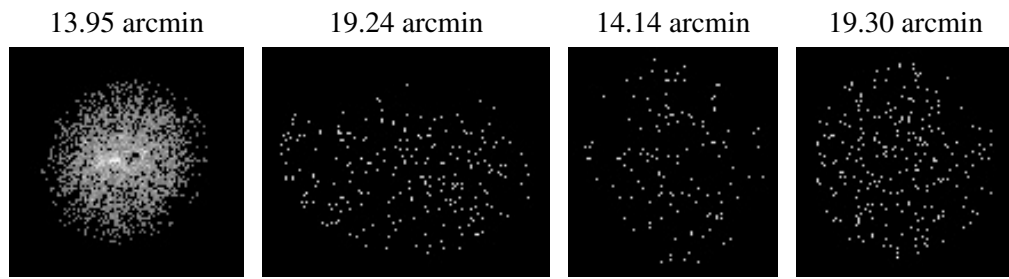


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.169525

## 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.