

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5066 - L2 Version 3  
Chandra X-Ray Center

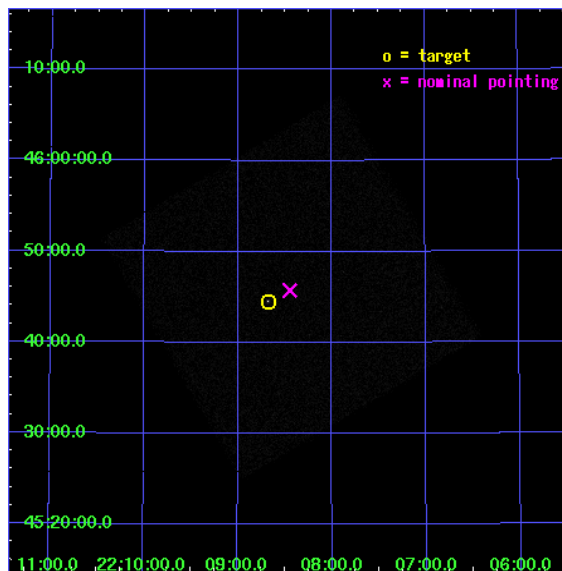
L2 Processing Date : Nov 23 2007

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# 1 Front

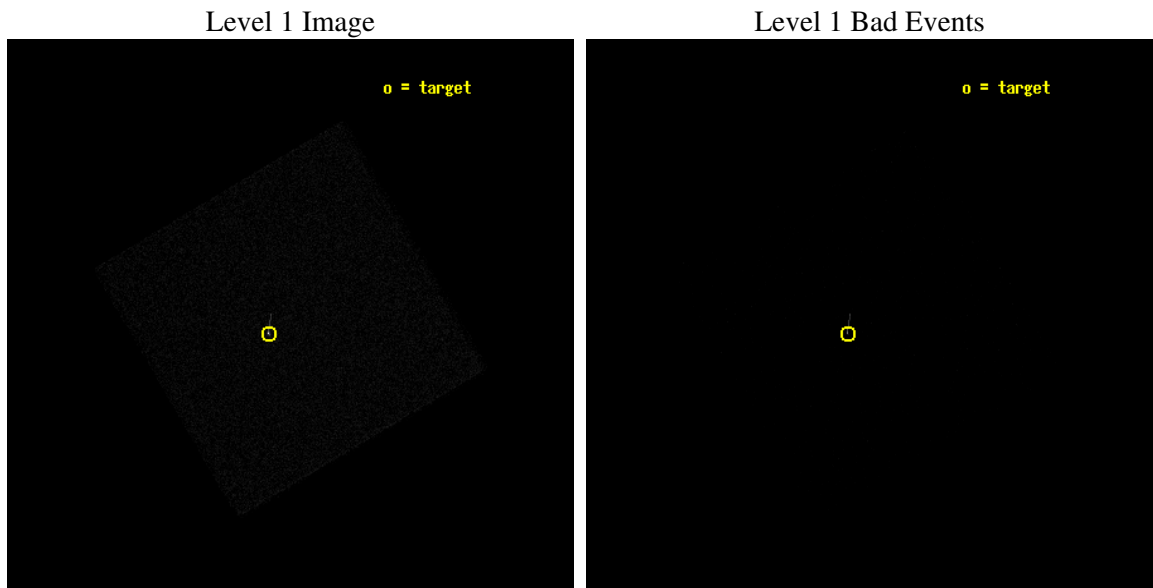
seq_num	290339
obs_id	5066
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1117193022
dec_nom	45.76222427246
roll_nom	284.5029998639
revision	3
ontime	1085.4750487804
livetime	1077.714349965
l2events	43224



## 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	2007-11-24T01:46:36
revision	3

sched_exp_time	900.000000
ontime	1085.4750487804
l1events	81432

### 2.1.3 Events

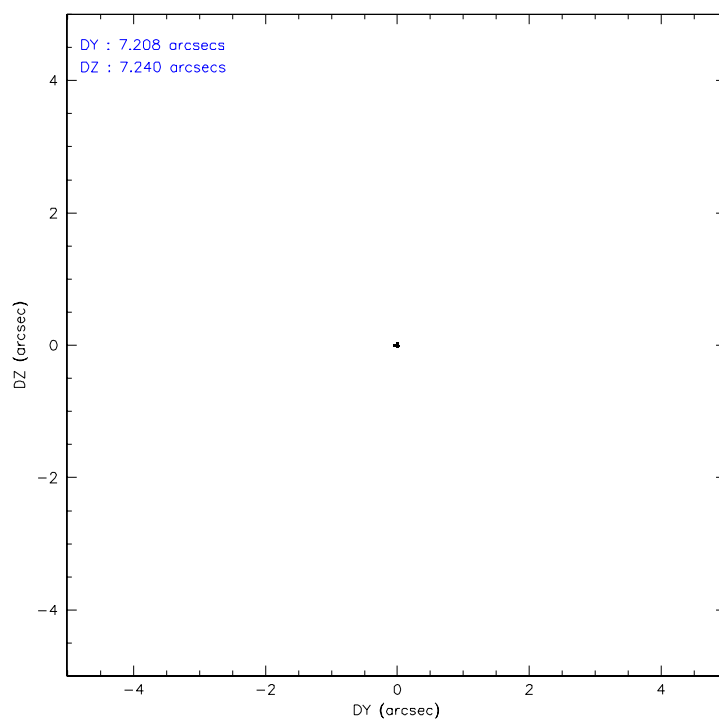
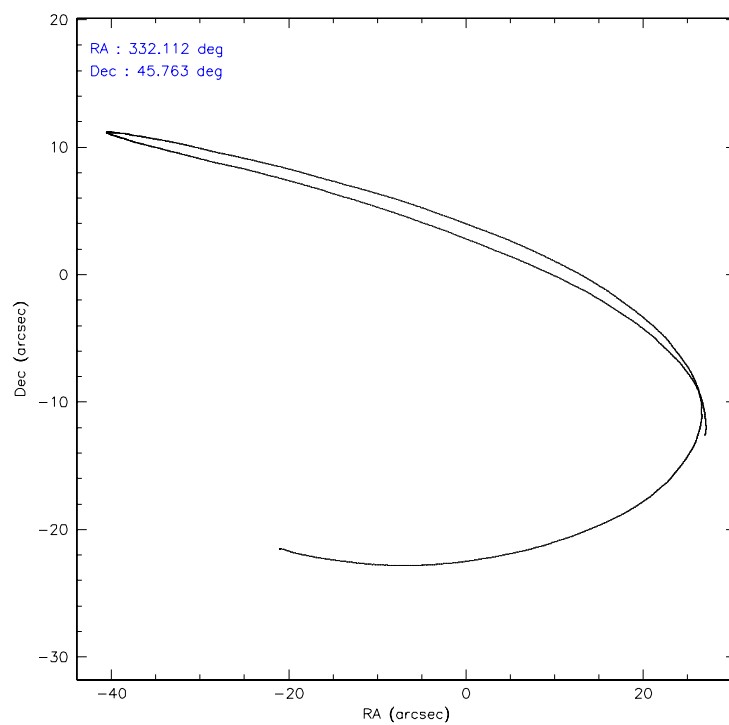
#### Level 1 Events

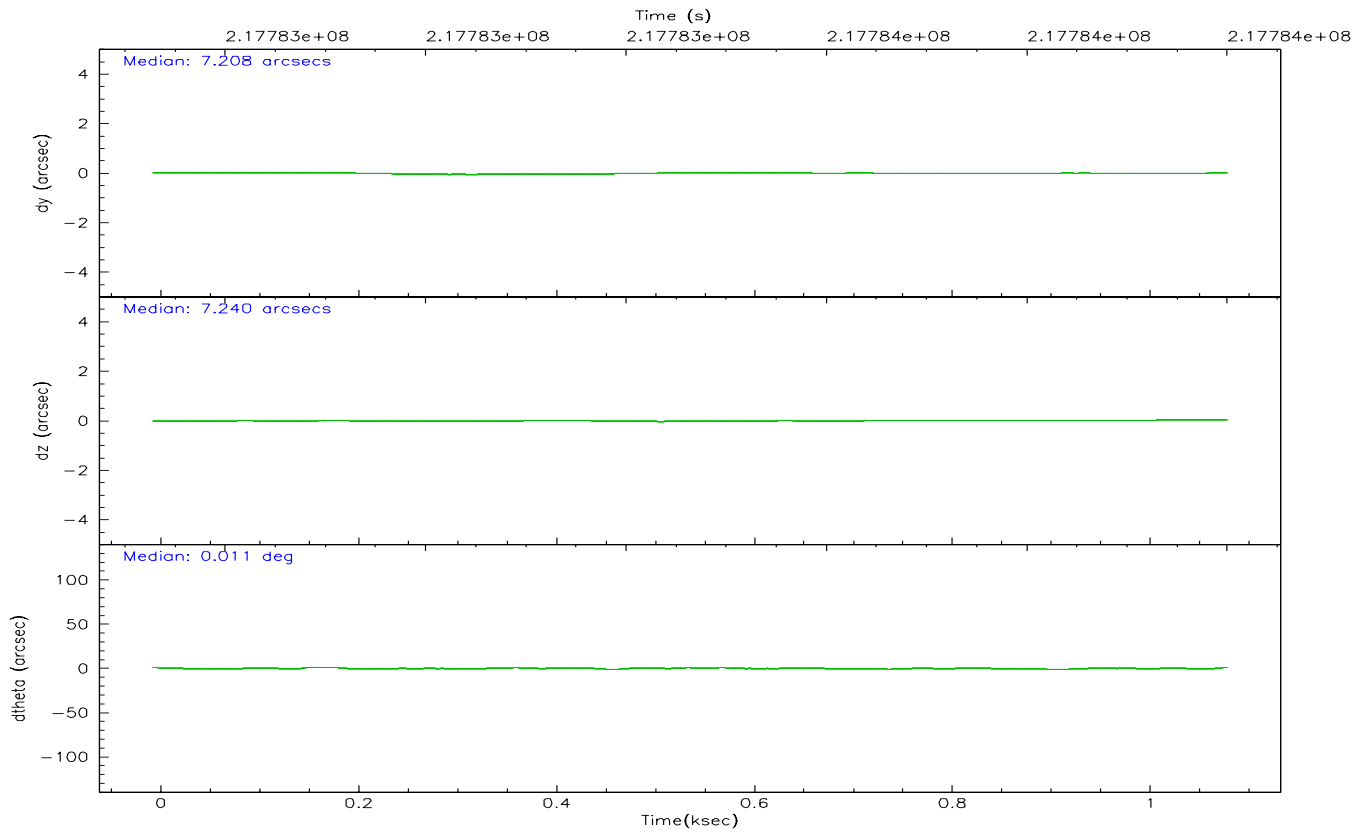
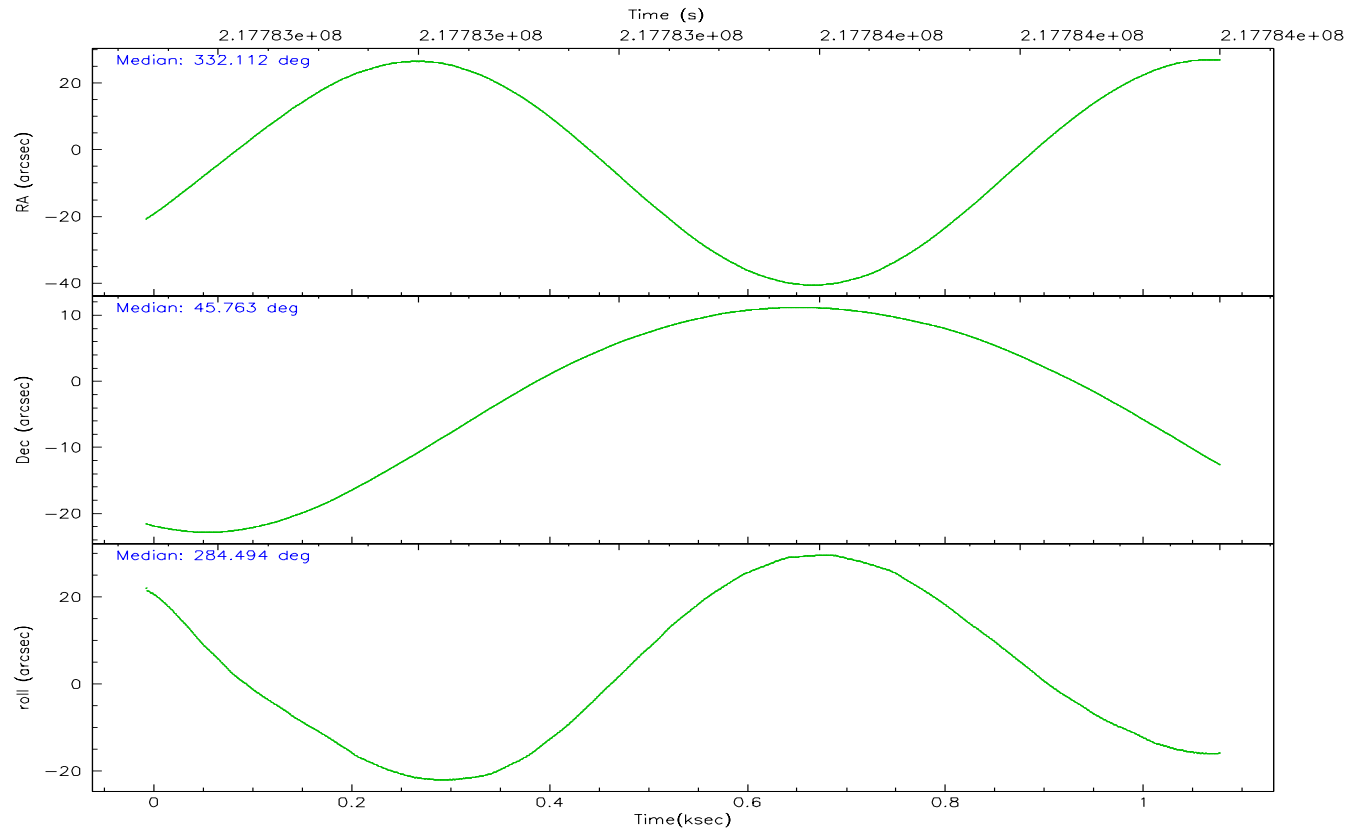
	<b>segment 0</b>
level 1 events	81432
rejected events	18815
rejected %	23%

## 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	332.083006	332.111719302198			
Pointing Dec	45.780933	45.76222427245963			
Pointing Roll	284.619037	284.5029998639011			
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	217783107.184000	217782731.13309			
Observation start date	2004-11-25T15:17:23	2004-11-25T15:12:11			
Observation end time	217784007.184000	217784141.02065			
Observation end date	2004-11-25T15:32:23	2004-11-25T15:35:41			

## 2.3 Aspect



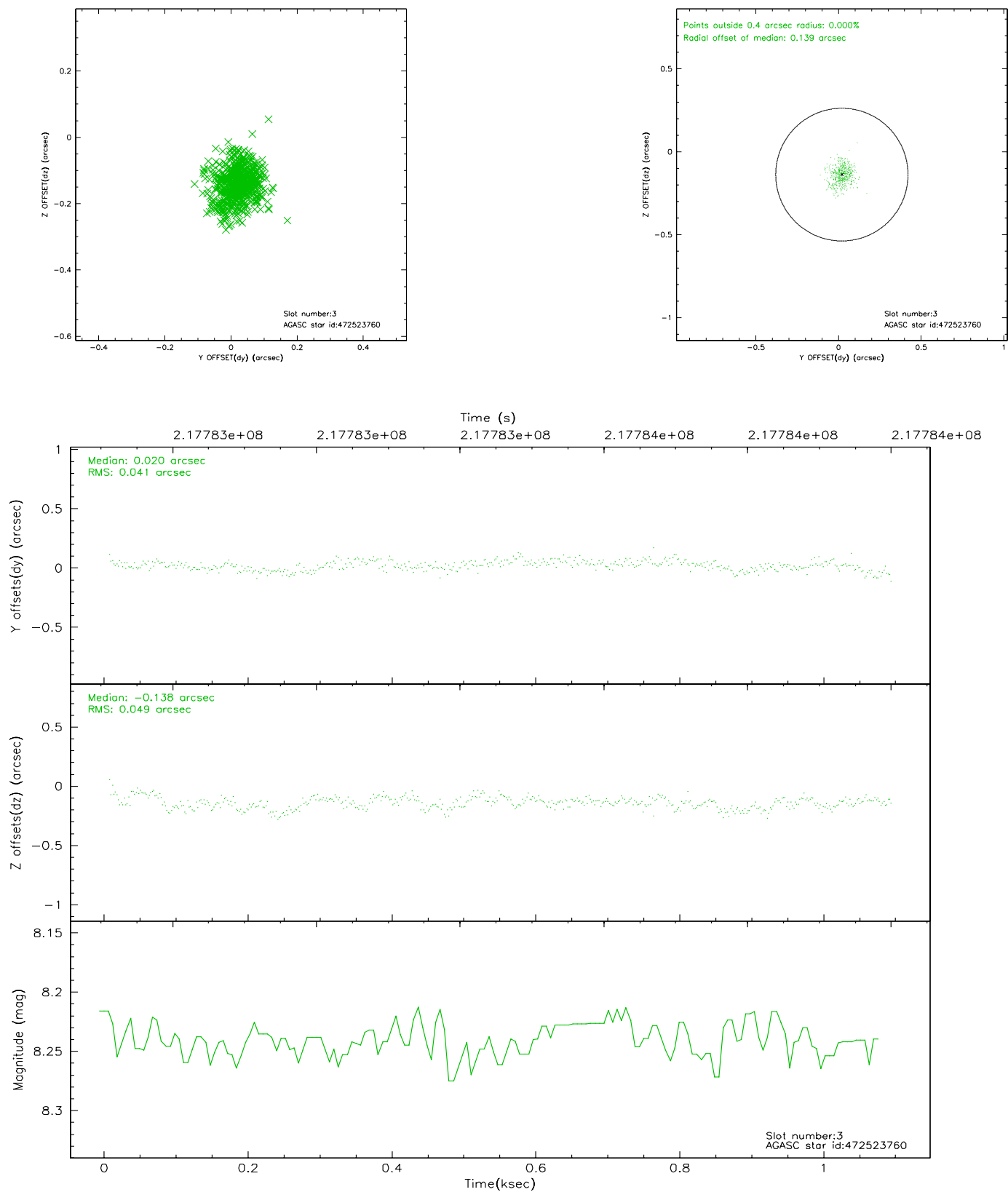


### Slot Statistics

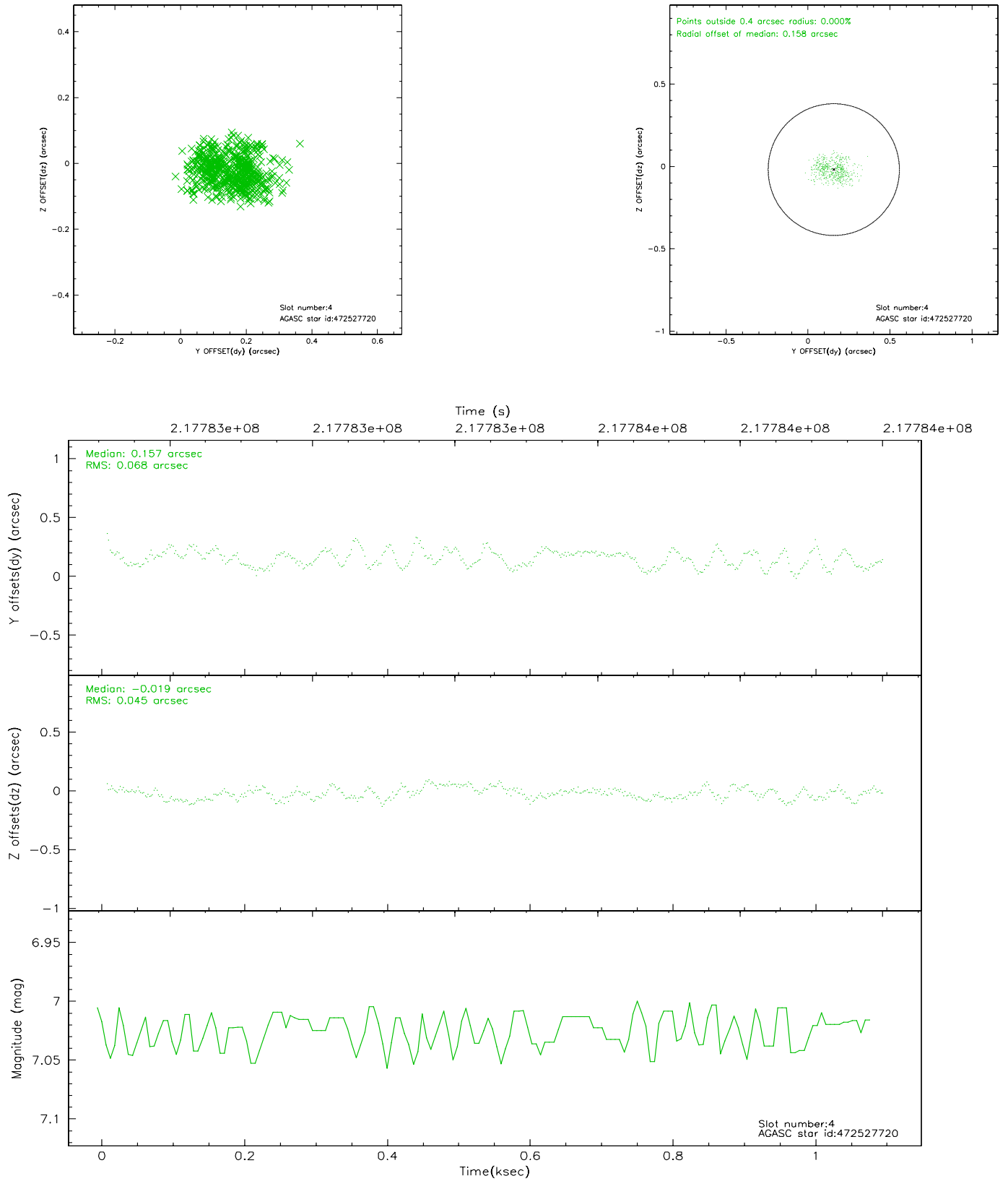
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	264	0.035	-0.010	0.007	0.012	0.000000	0.000000	-762.81	-1295.13
1	FID	HRC-I-3	7.10	265	-0.069	-0.046	0.006	0.011	0.000000	0.000000	-1194.19	1004.53
2	FID	HRC-I-4	7.06	265	0.147	-0.032	0.006	0.009	0.000000	0.000000	1275.68	1010.73
3	GUIDE	472523760	8.24	531	0.020	-0.138	0.069	0.109	331.645363	45.403260	1034.08	-1414.89
4	GUIDE	472527720	7.02	531	0.157	-0.019	0.089	0.136	331.460205	45.112509	1925.94	-2141.38
5	GUIDE	472533912	9.16	531	-0.138	0.116	0.088	0.134	331.791136	46.368695	-2227.88	-173.50
6	GUIDE	472655152	9.43	531	0.032	0.049	0.112	0.193	332.504239	45.862991	-25.96	1094.76
7	GUIDE	472659832	9.47	530	-0.066	-0.023	0.101	0.154	332.780399	46.098139	-673.02	1974.60

## 2.4 Star Slots

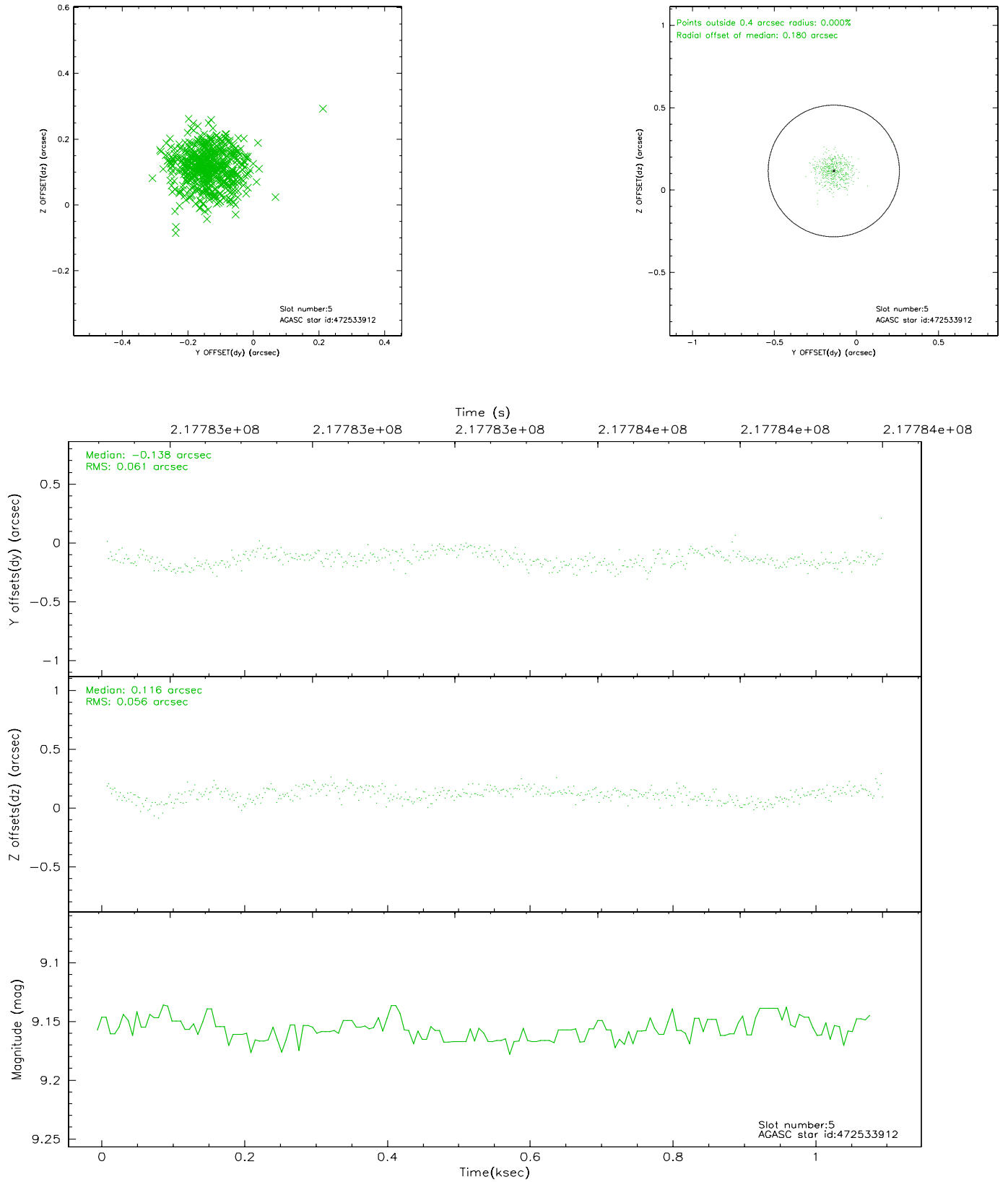
### 2.4.1 Slot 3



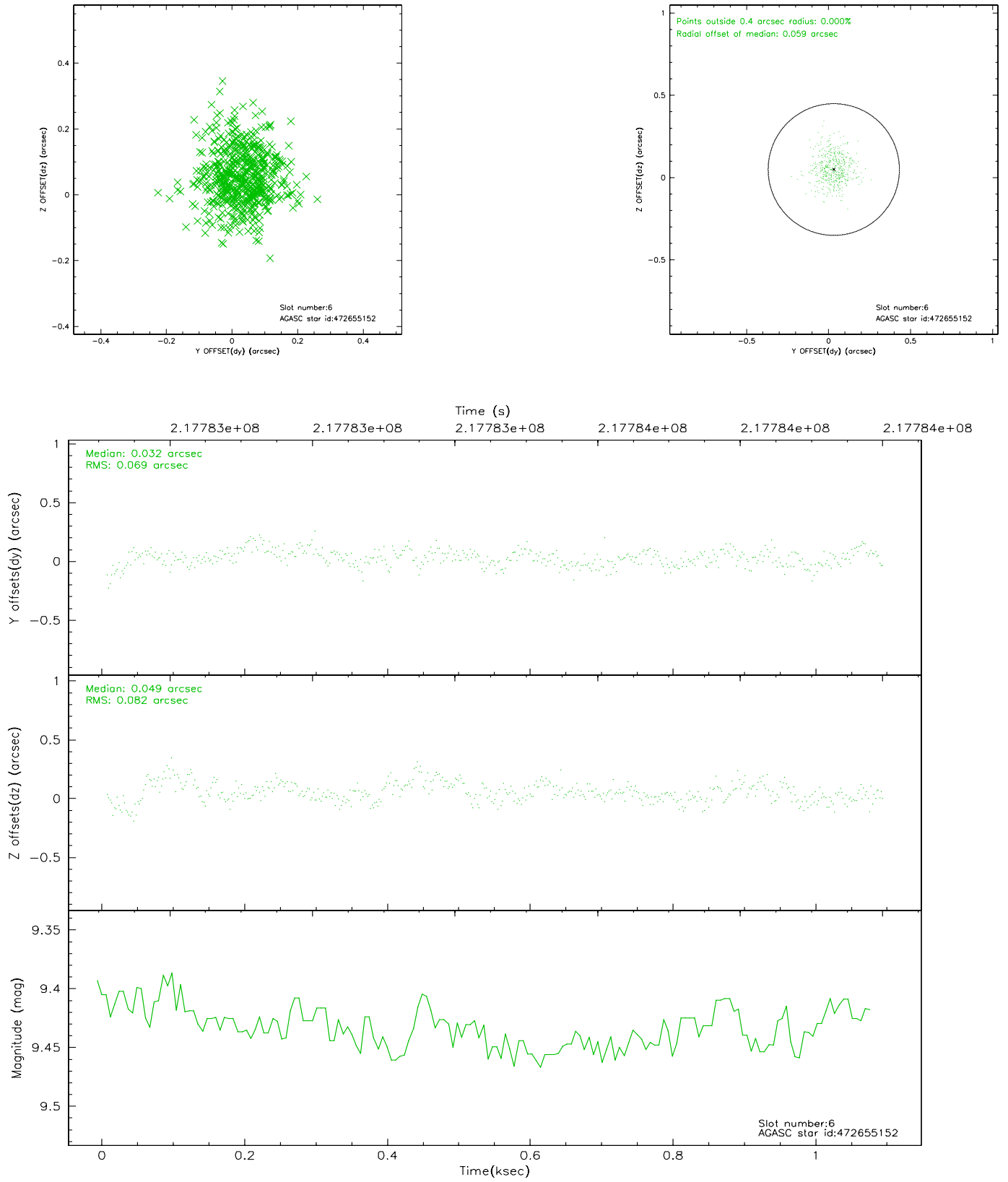
## 2.4.2 Slot 4



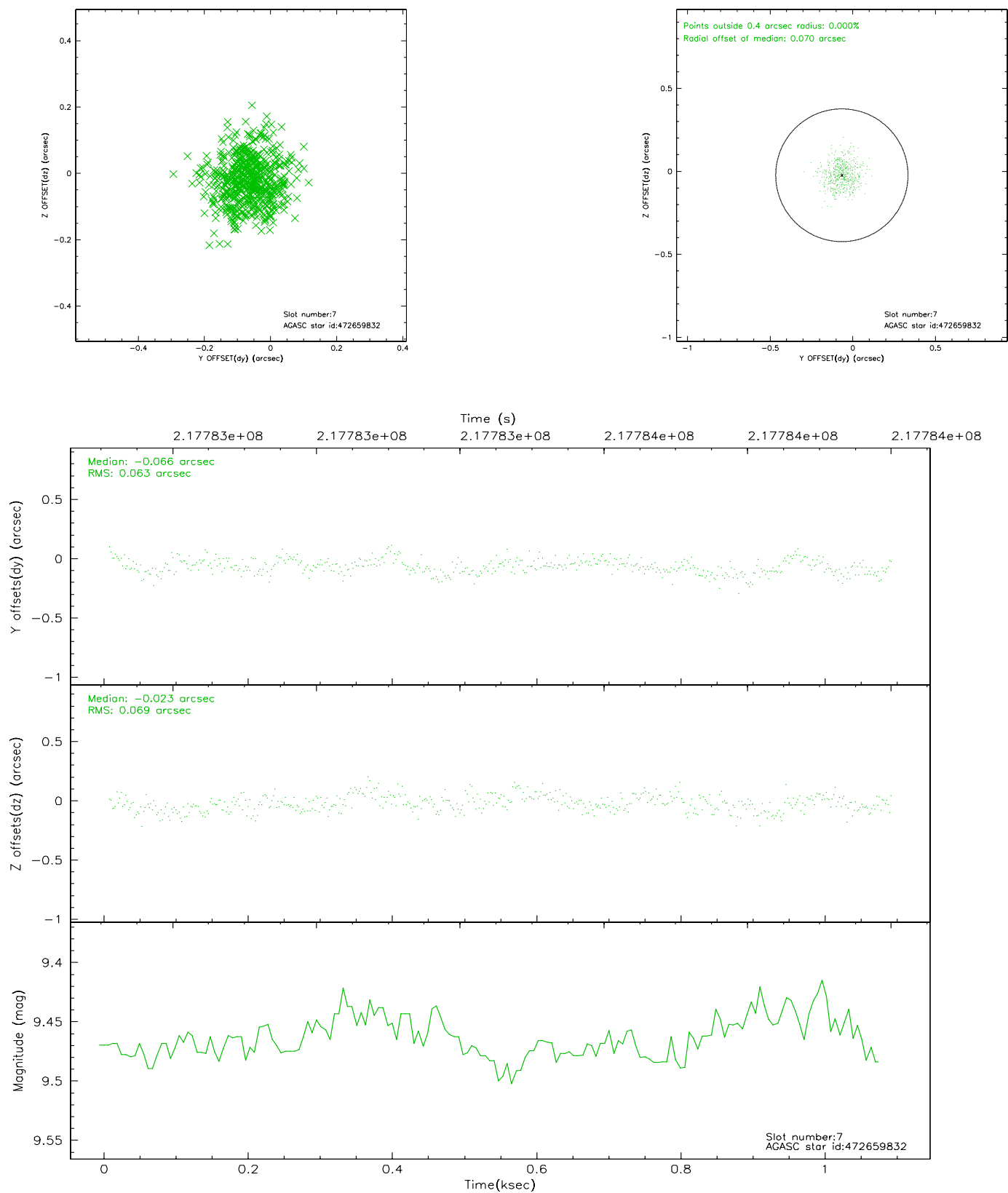
### 2.4.3 Slot 5



## 2.4.4 Slot 6

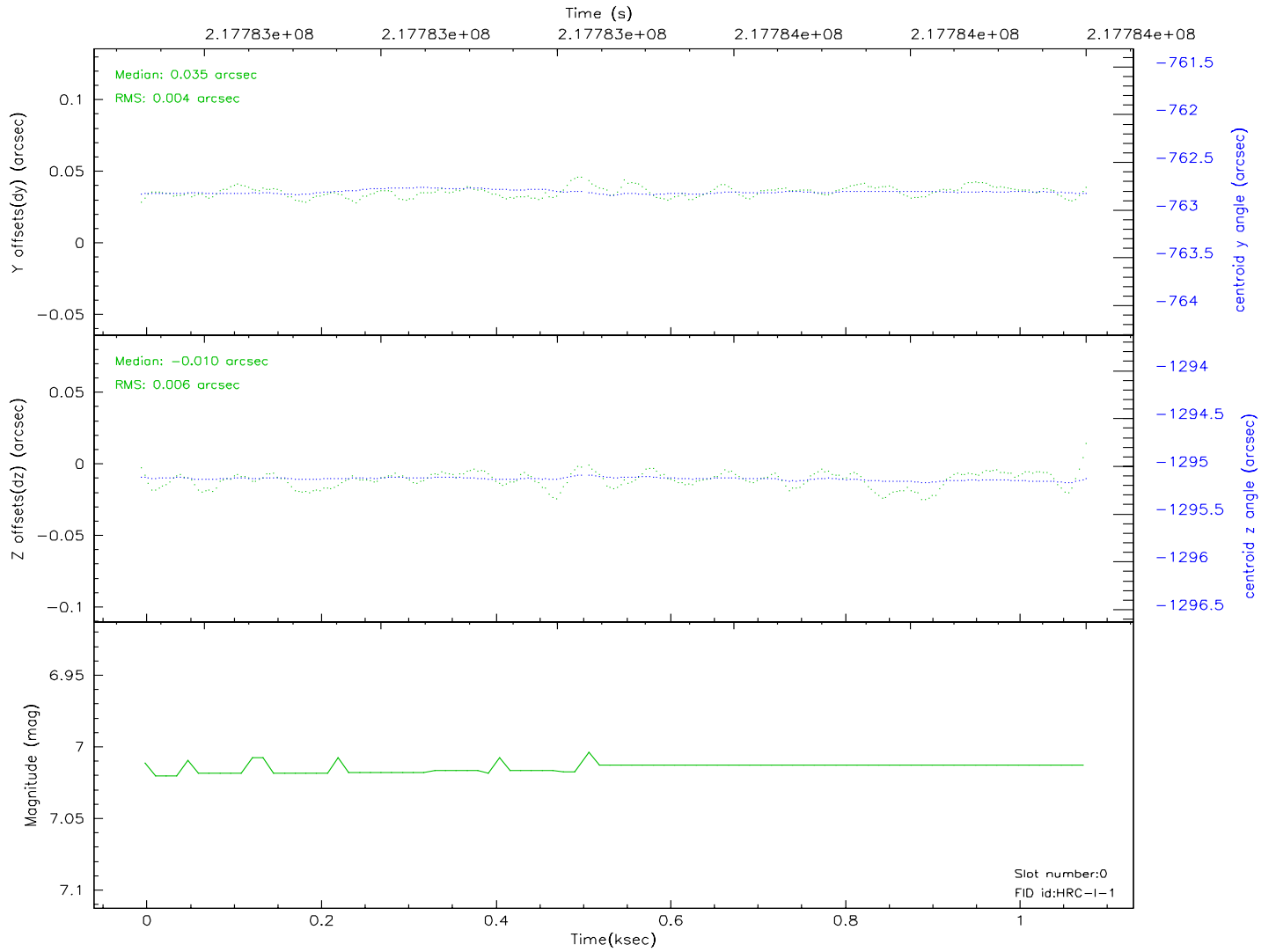
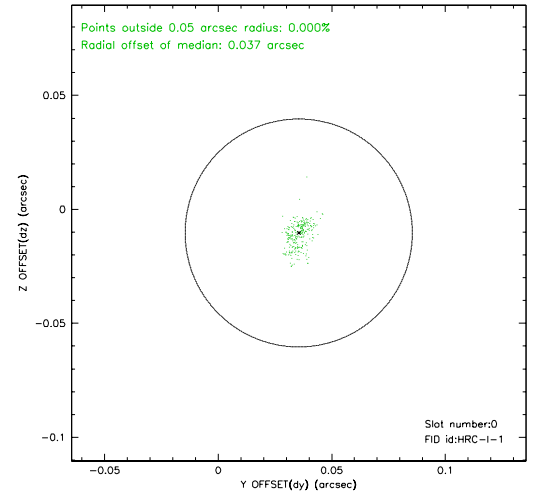
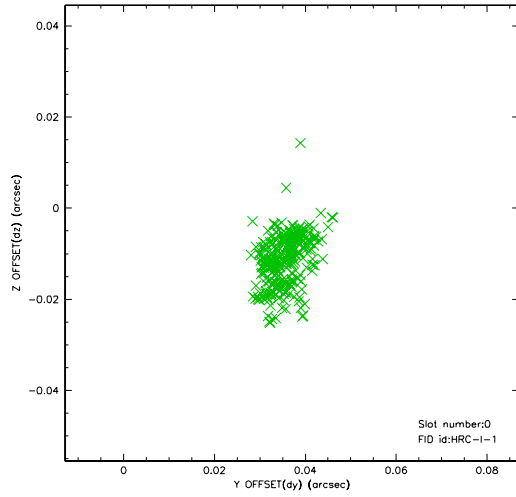


## 2.4.5 Slot 7

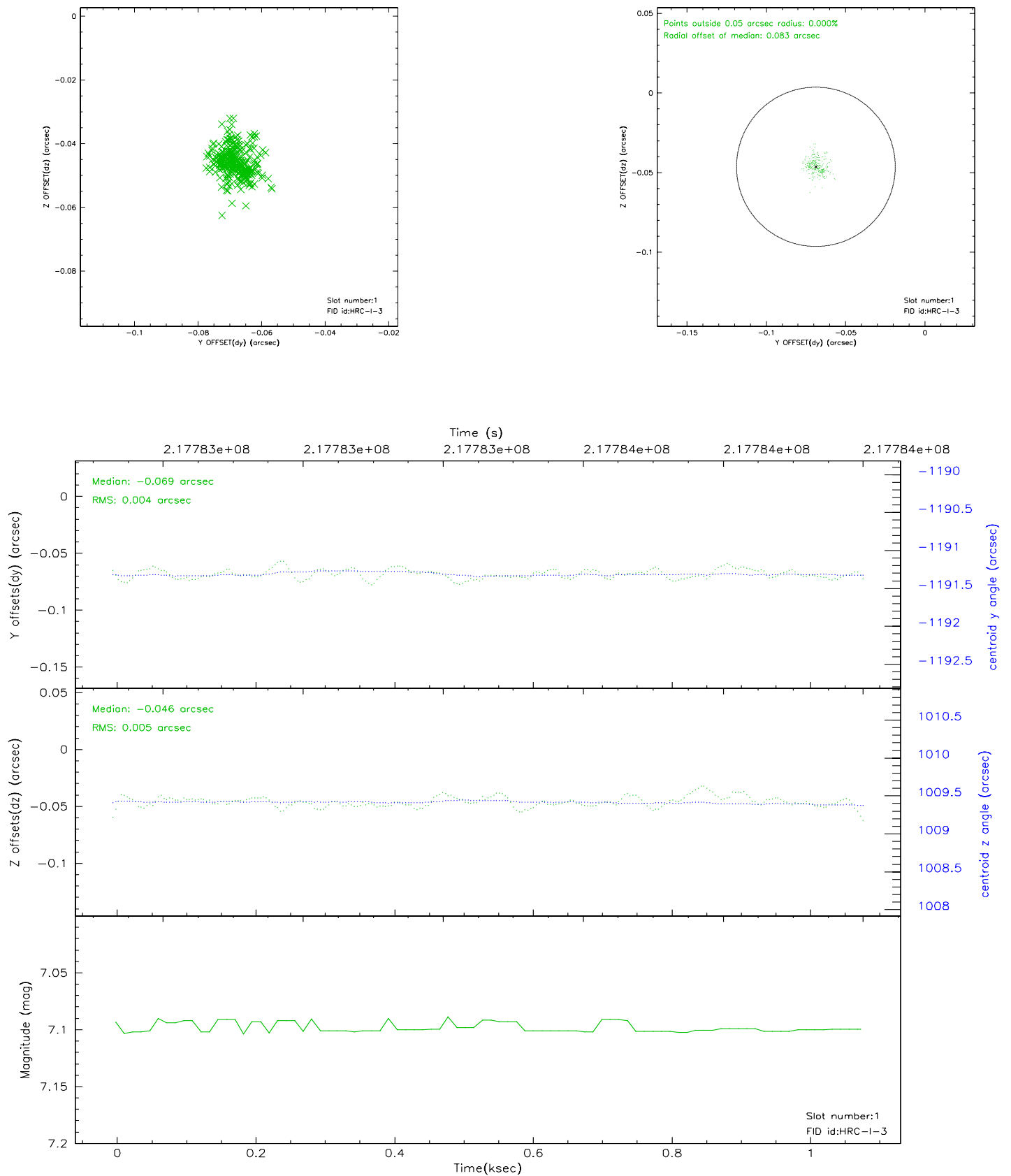


## 2.5 FID Slots

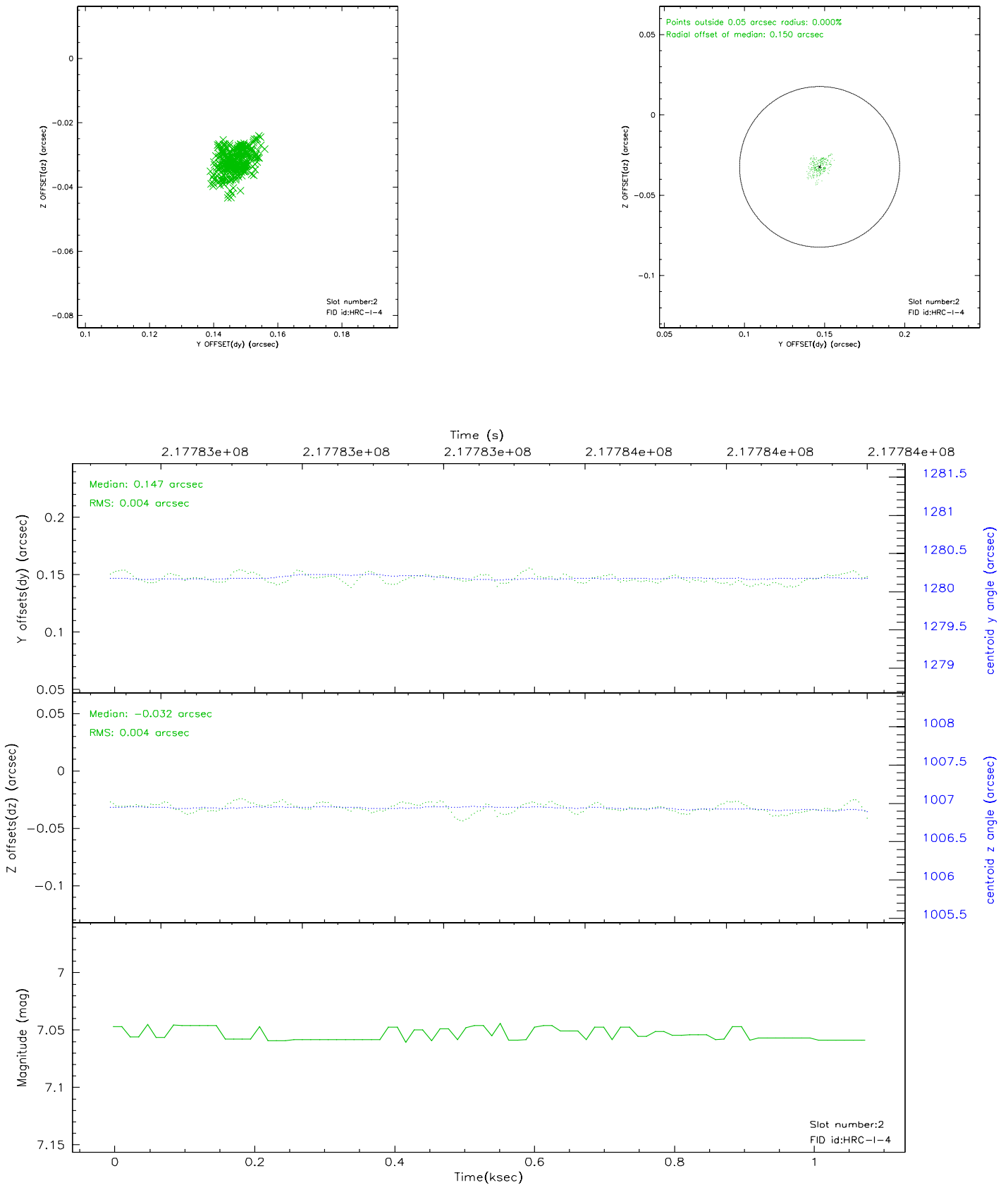
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

2.71 arcmin



## 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	1.085731

### 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.