

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5078 - L2 Version 3  
Chandra X-Ray Center

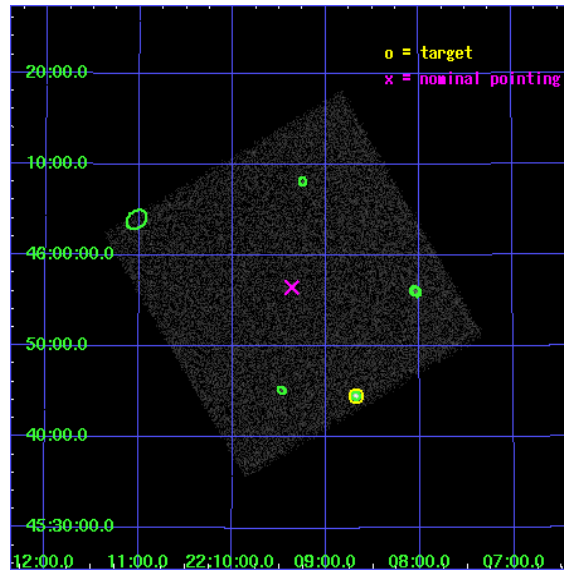
L2 Processing Date : Nov 23 2007

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# 1 Front

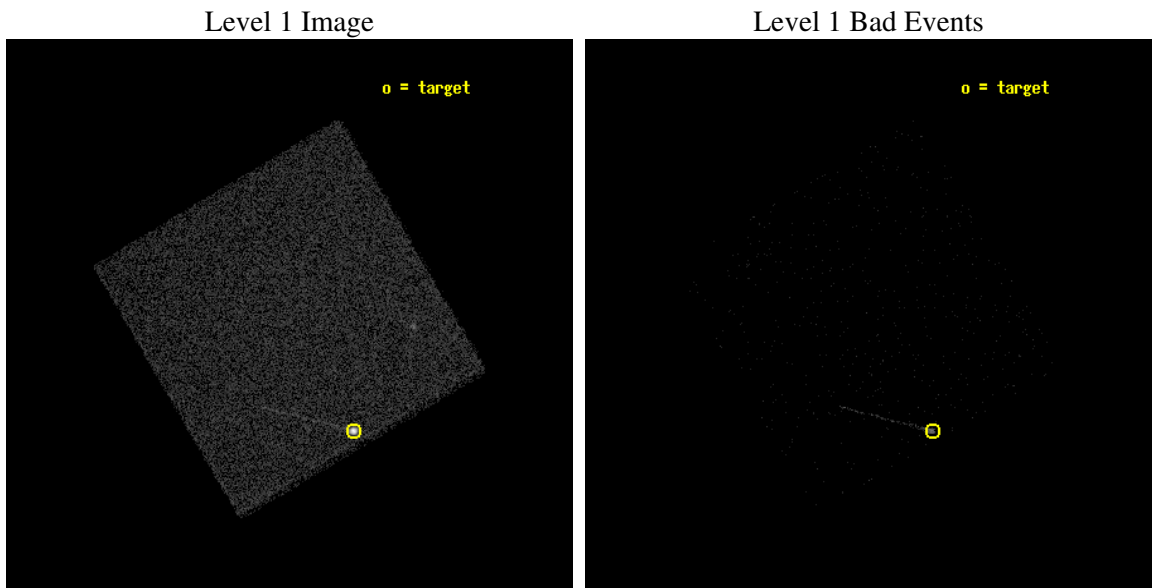
seq_num	290351
obs_id	5078
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.34112905042
dec_nom	45.94174510452
roll_nom	284.47709305375
revision	3
ontime	1085.7312988043
livetime	1078.004239869
l2events	42657



## 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	2007-11-24T03:14:29
revision	3

sched_exp_time	900.000000
ontime	1085.7312988043
l1events	80280

### 2.1.3 Events

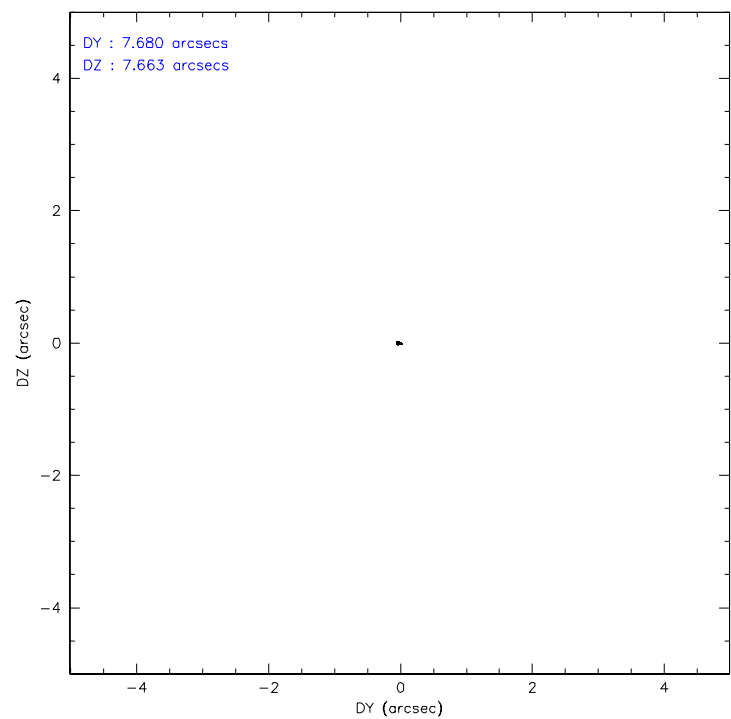
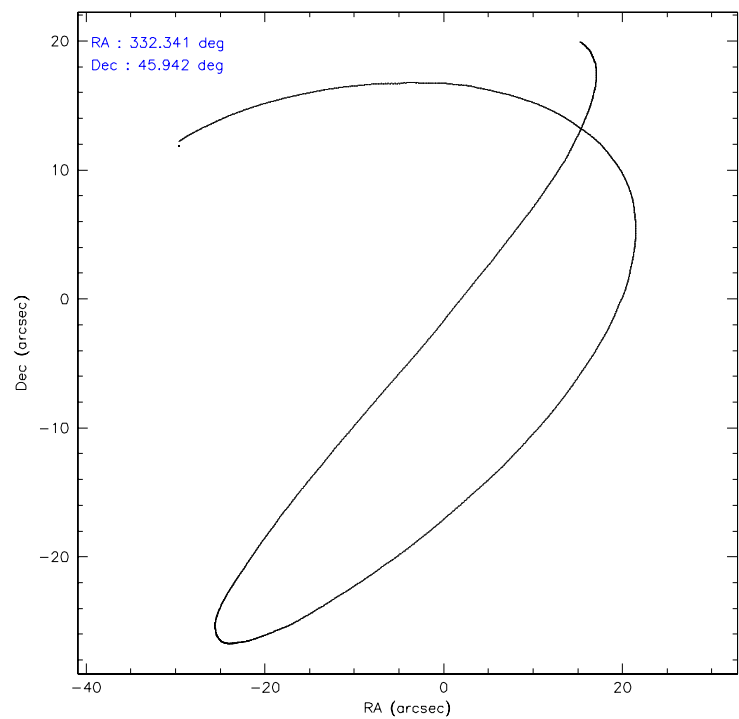
#### Level 1 Events

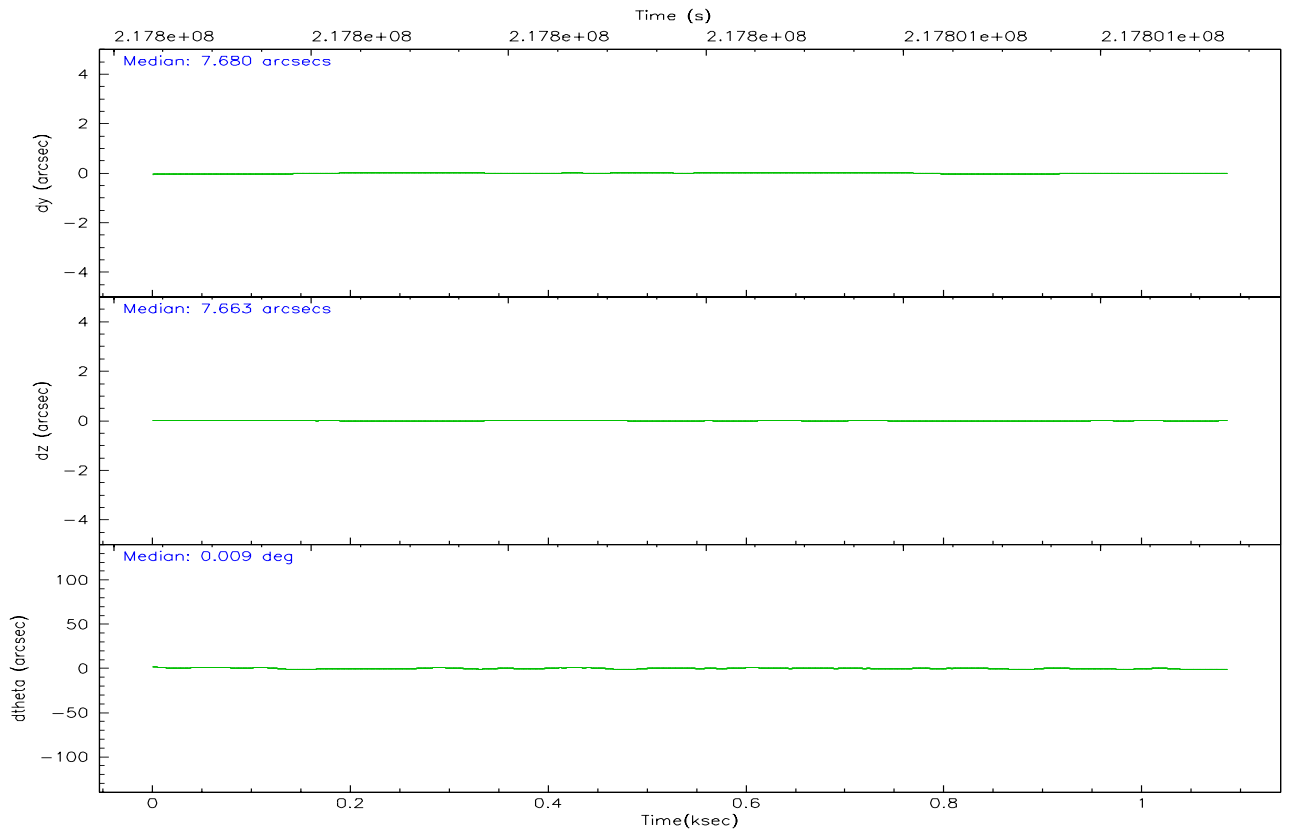
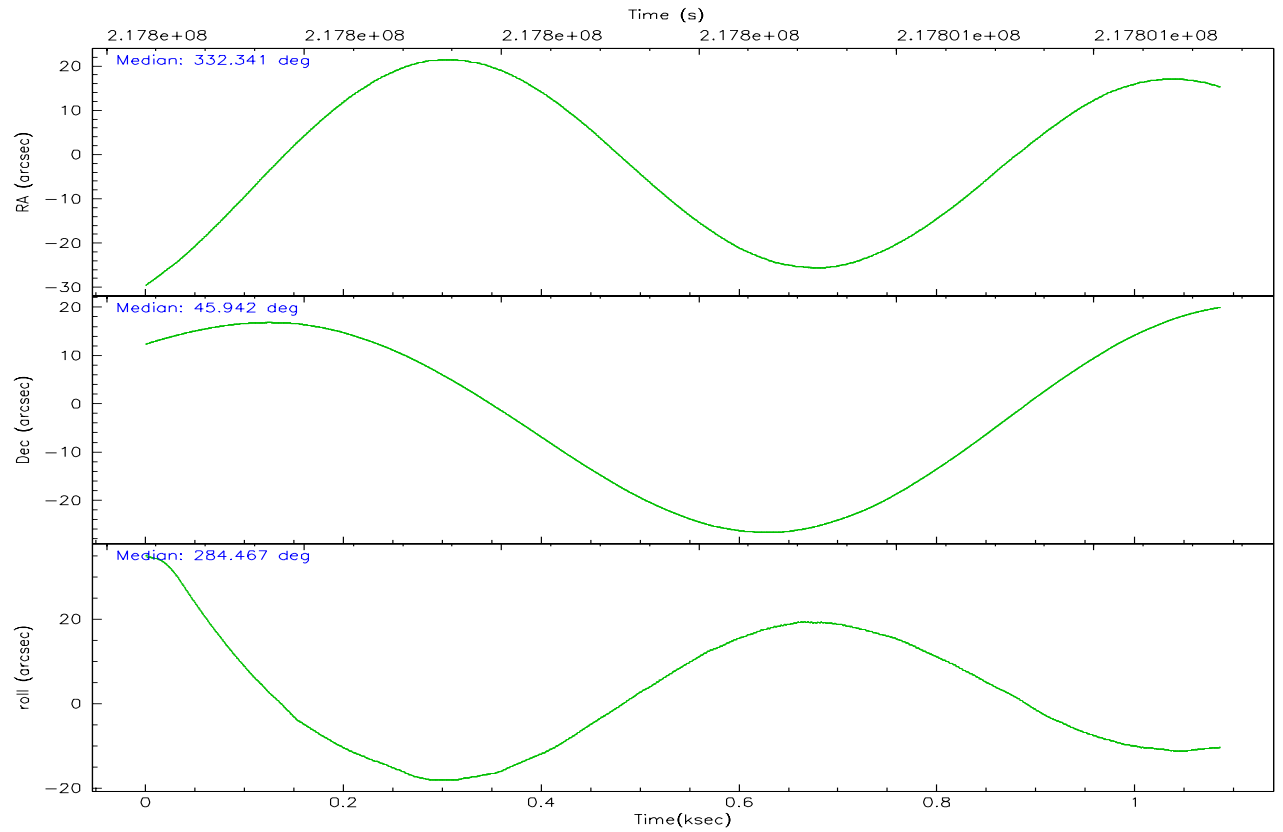
	<b>segment 0</b>
level 1 events	80280
rejected events	18128
rejected %	22%

## 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	332.312235	332.3411290504155			
Pointing Dec	45.960441	45.94174510452019			
Pointing Roll	284.593254	284.4770930537464			
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	217800027.184000	217799650.80885			
Observation start date	2004-11-25T19:59:23	2004-11-25T19:54:10			
Observation end time	217800927.184000	217801061.20891			
Observation end date	2004-11-25T20:14:23	2004-11-25T20:17:41			

2.3 Aspect



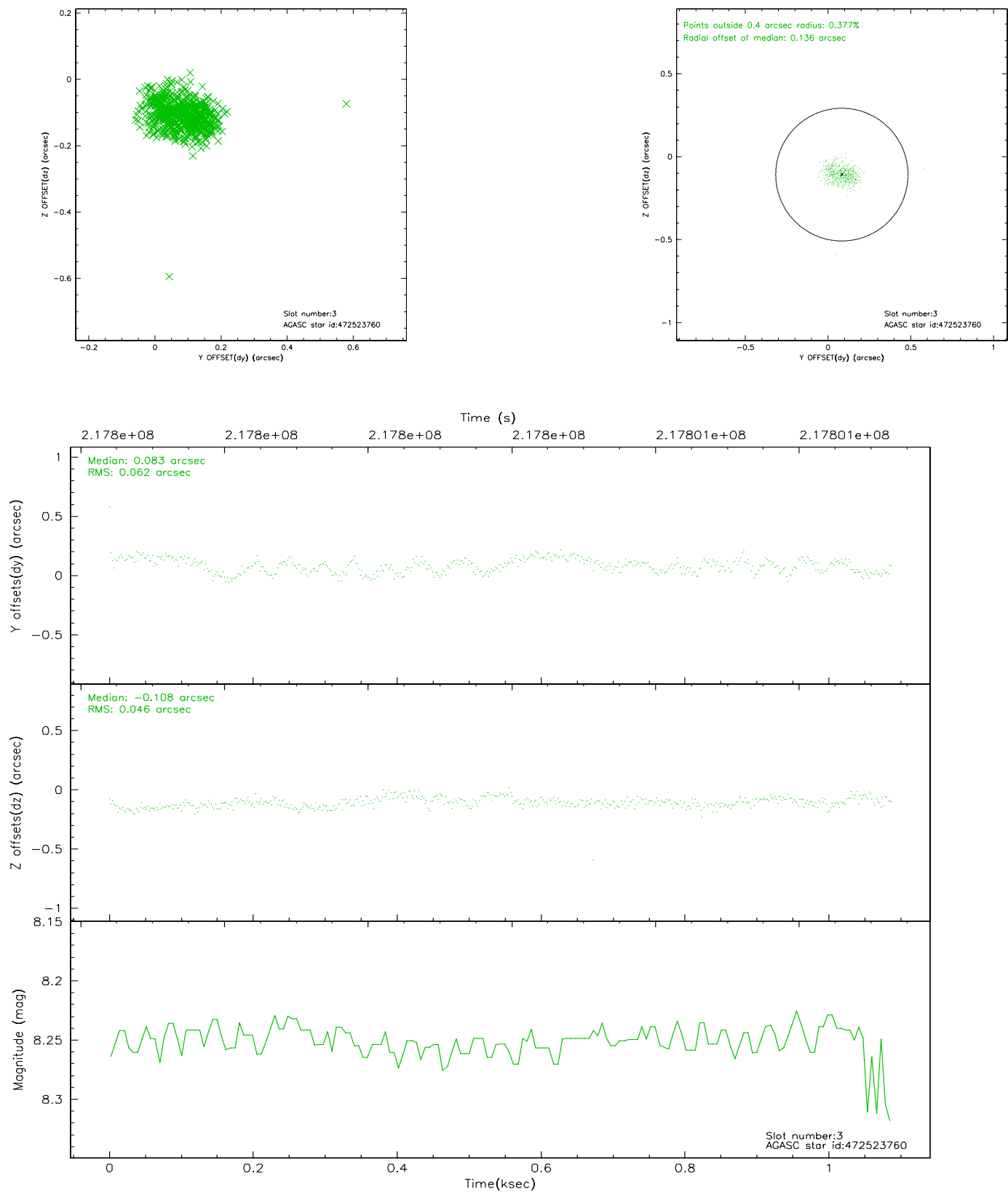


### Slot Statistics

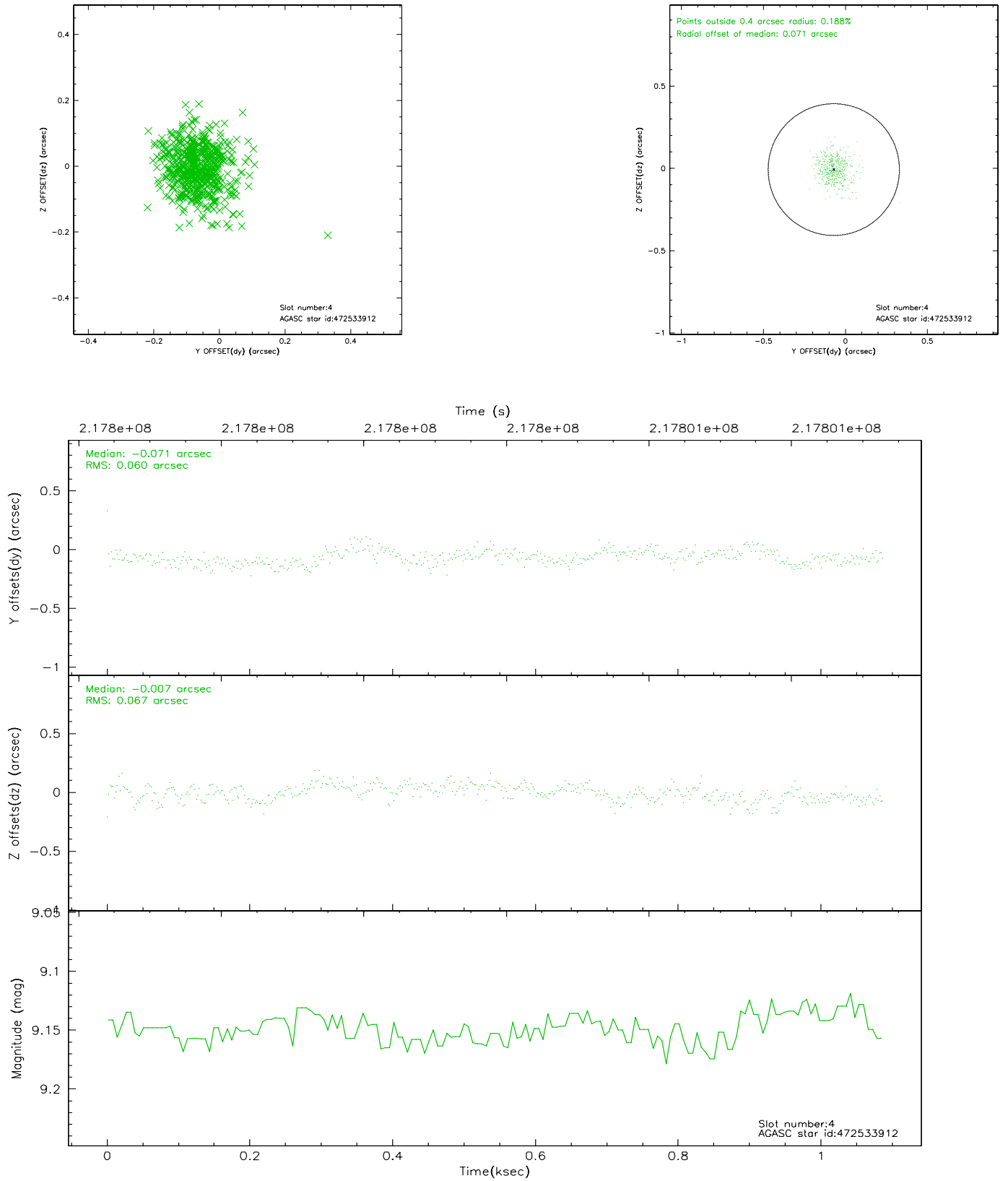
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	265	0.006	0.040	0.008	0.014	0.000000	0.000000	-763.29	-1295.53
1	FID	HRC-I-2	7.05	265	0.143	-0.124	0.007	0.012	0.000000	0.000000	846.60	-1302.17
2	FID	HRC-I-3	7.10	265	-0.030	-0.005	0.007	0.015	0.000000	0.000000	-1188.59	1004.08
3	GUIDE	472523760	8.25	531	0.083	-0.108	0.078	0.118	331.645363	45.403260	1510.34	-2136.84
4	GUIDE	472533912	9.15	531	-0.071	-0.007	0.091	0.152	331.791136	46.368695	-1749.44	-887.71
5	GUIDE	472659736	9.38	531	-0.036	-0.014	0.104	0.167	332.848312	46.590160	-1867.53	1851.77
6	GUIDE	472659832	9.47	530	0.076	0.097	0.092	0.152	332.780399	46.098139	-192.06	1258.25
7	GUIDE	472663088	9.00	530	-0.040	0.024	0.094	0.160	332.931735	46.600119	-1848.90	2064.76

## 2.4 Star Slots

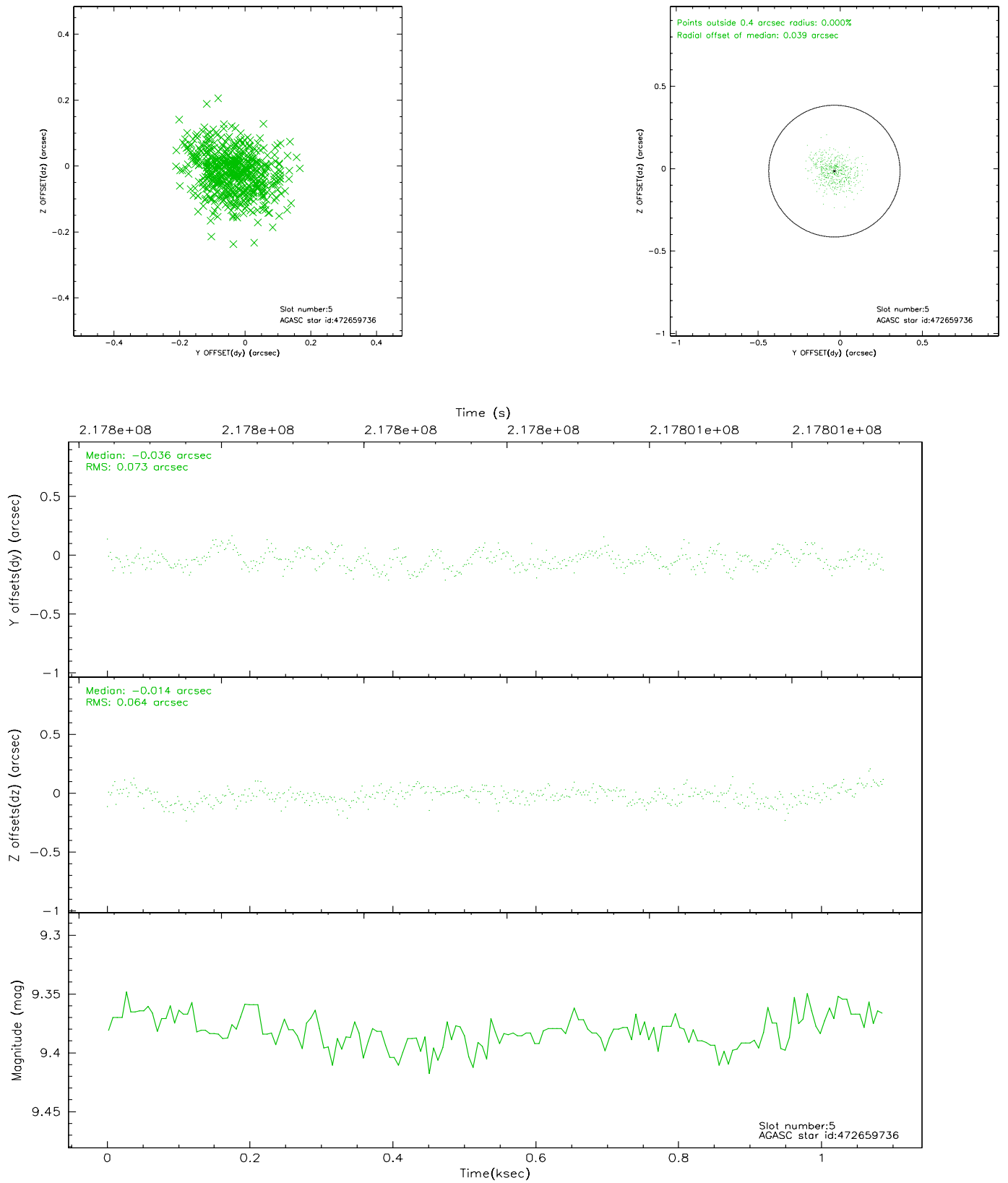
### 2.4.1 Slot 3



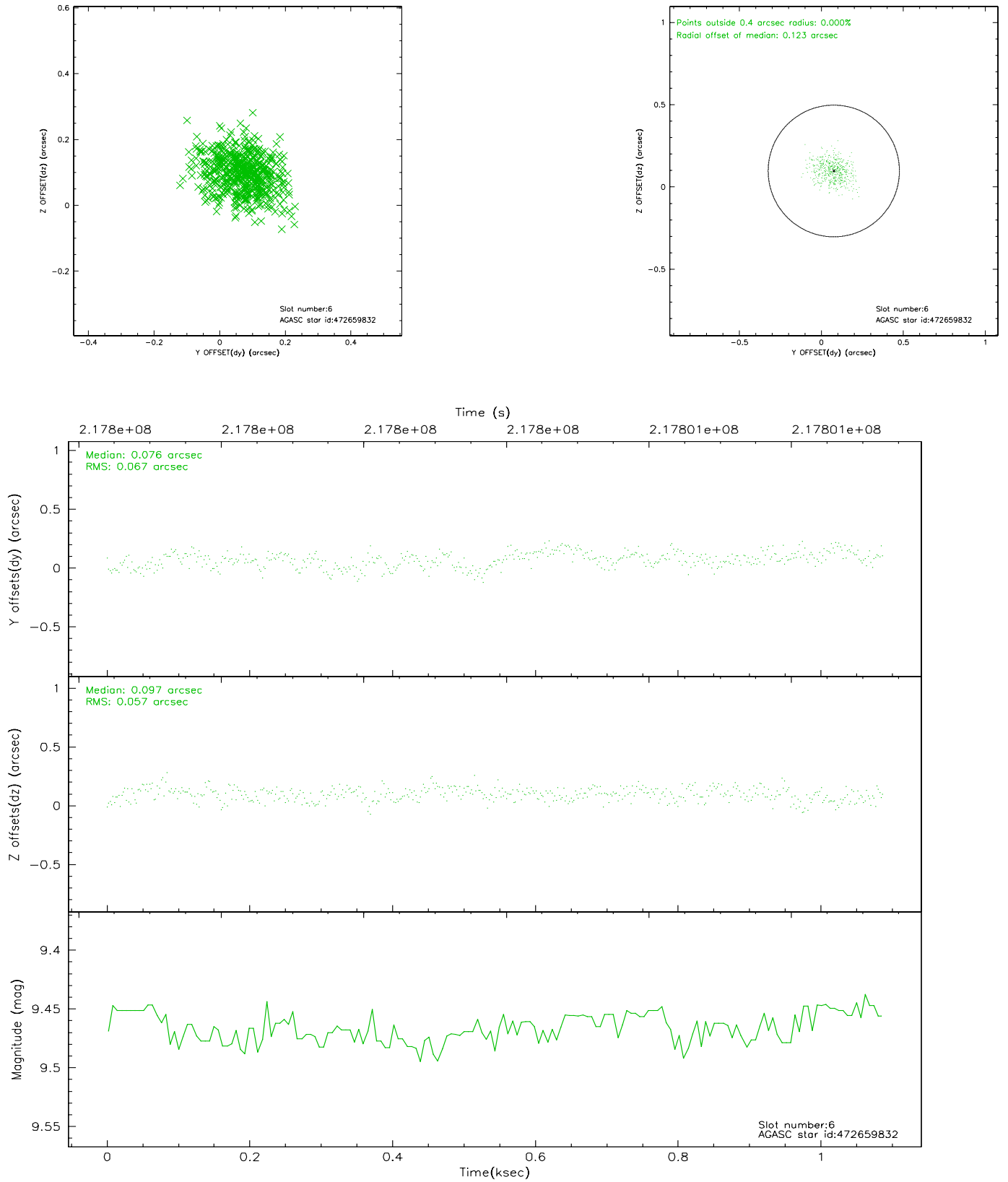
## 2.4.2 Slot 4



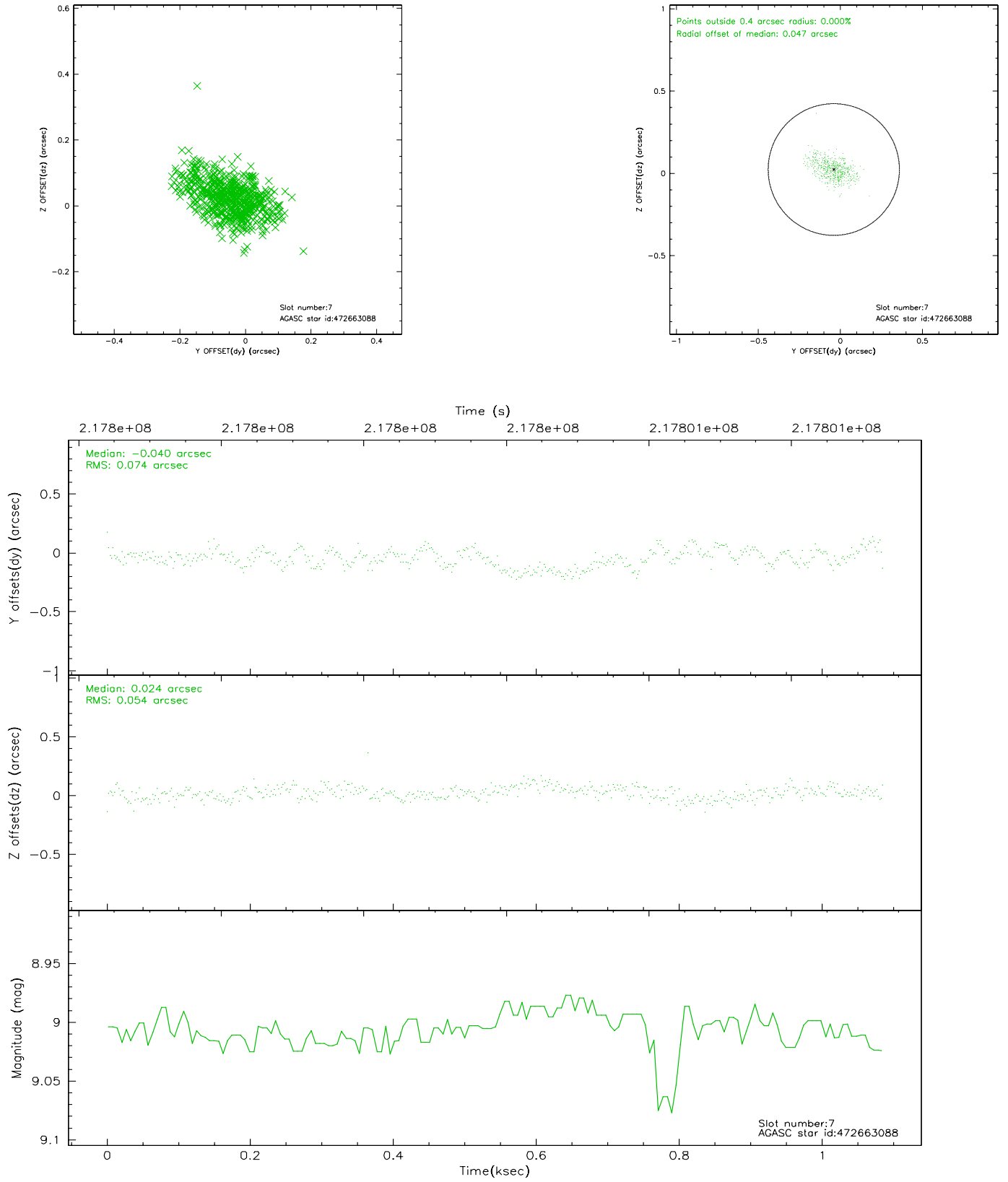
### 2.4.3 Slot 5



## 2.4.4 Slot 6

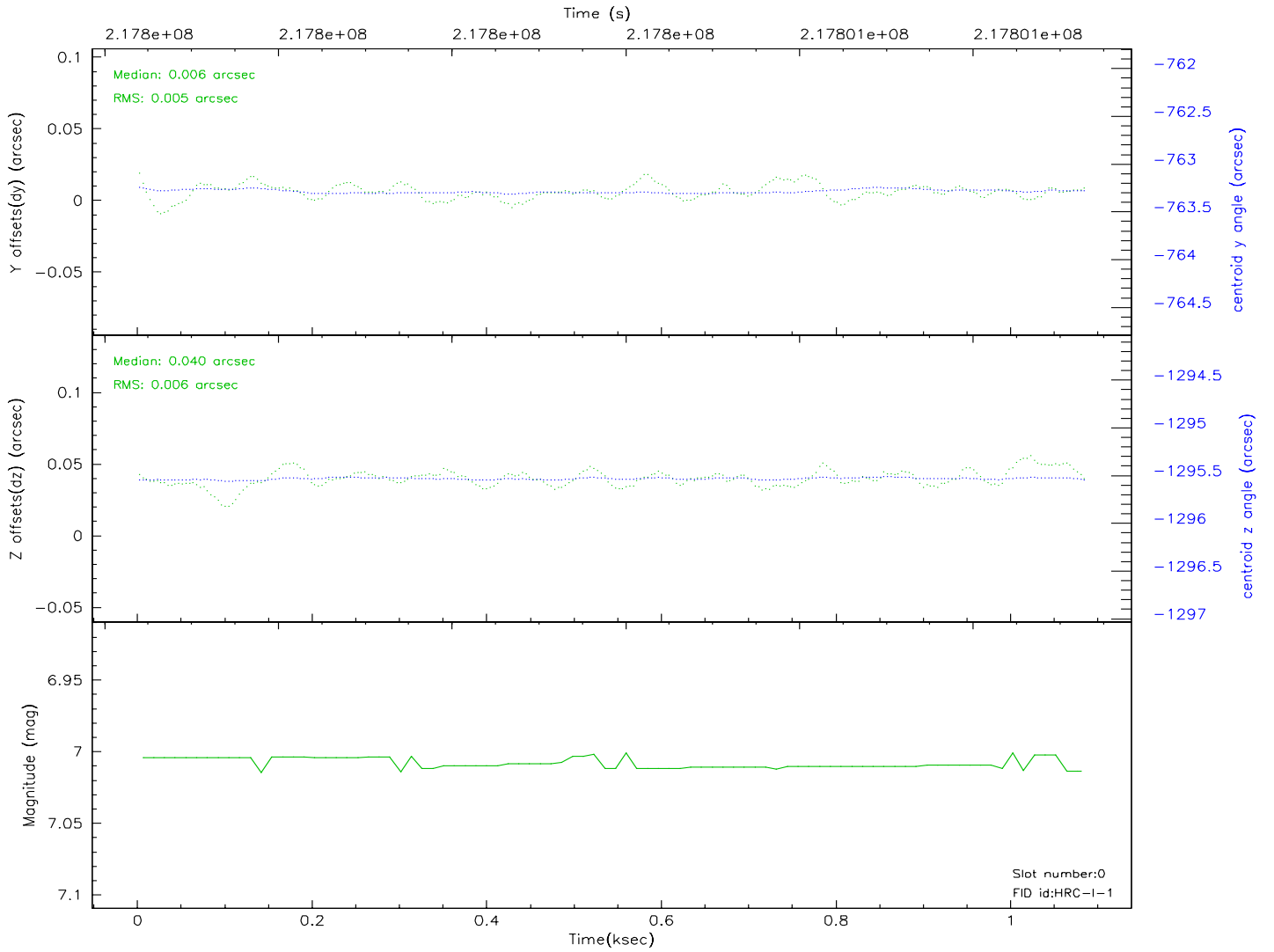
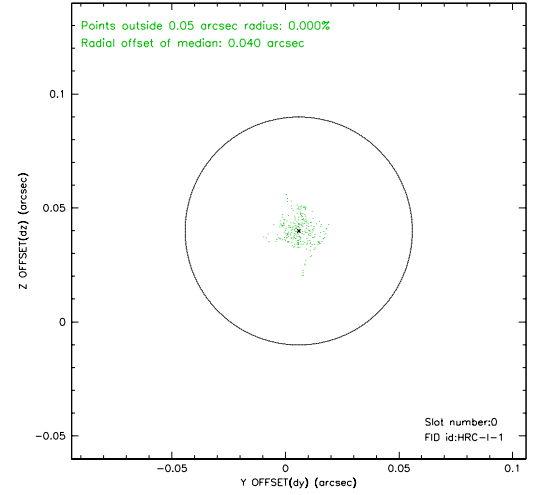
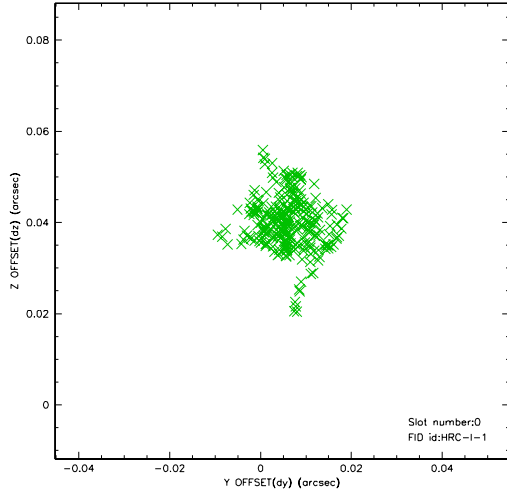


## 2.4.5 Slot 7

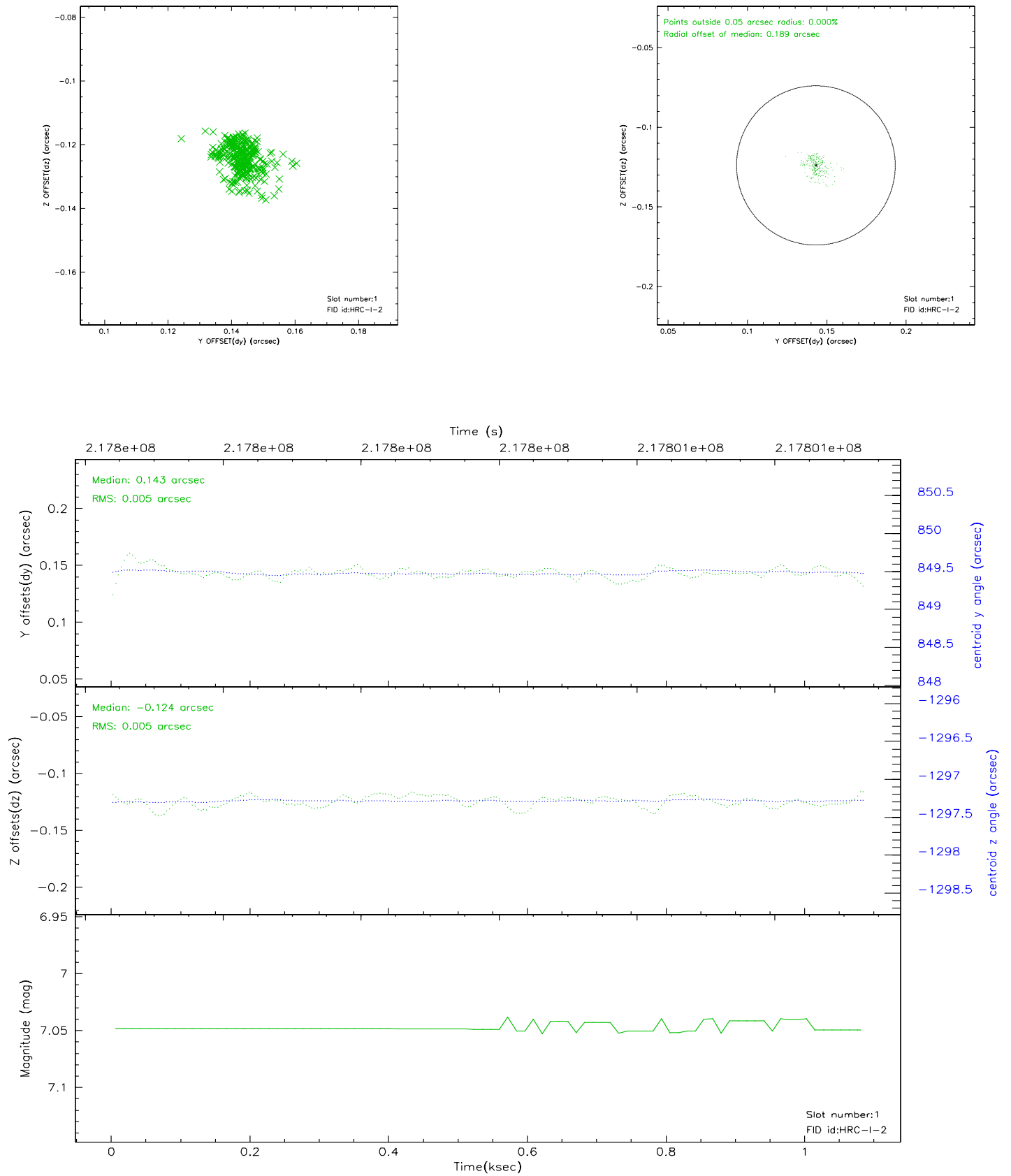


## 2.5 FID Slots

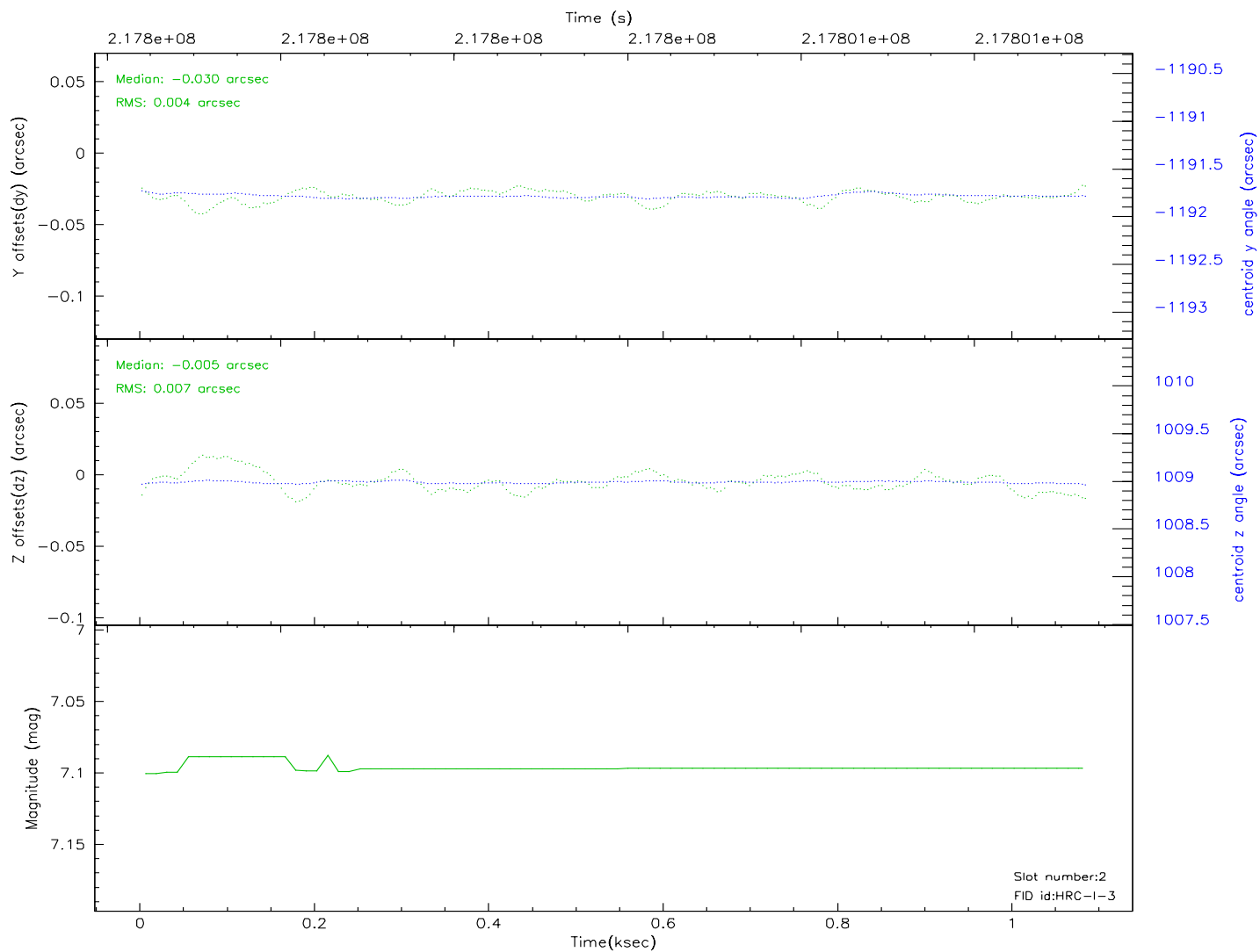
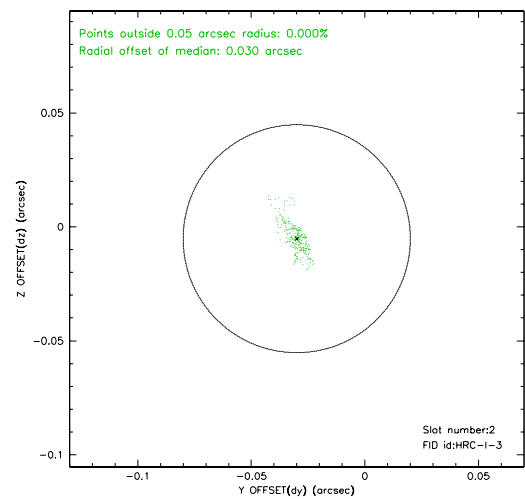
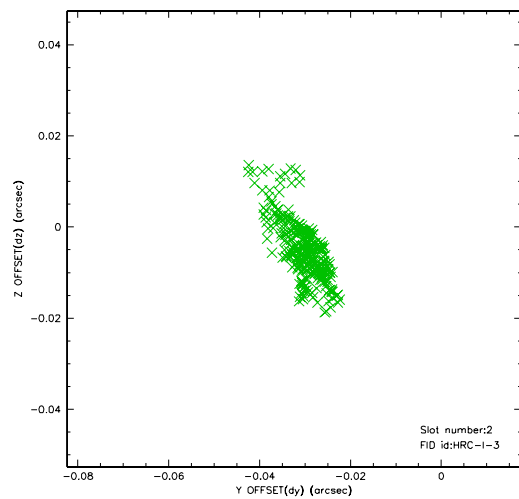
### 2.5.1 Slot 0



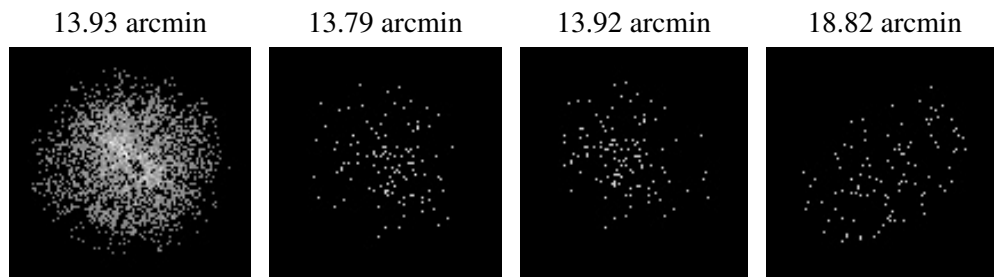
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.08573129

## 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.