

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6134 - L2 Version 3  
Chandra X-Ray Center

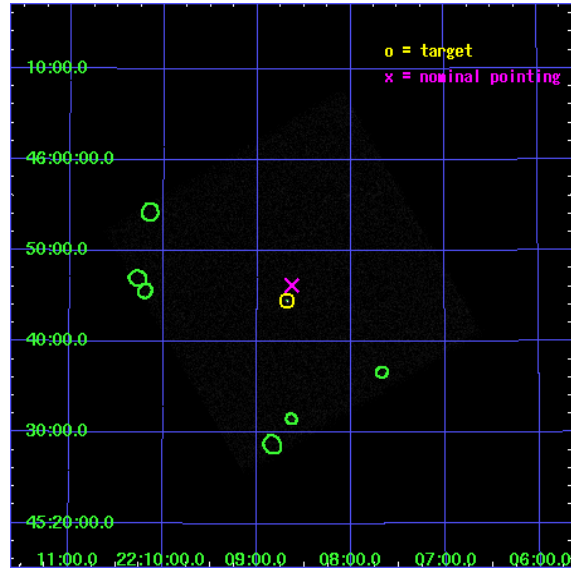
L2 Processing Date : Nov 23 2007

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# 1 Front

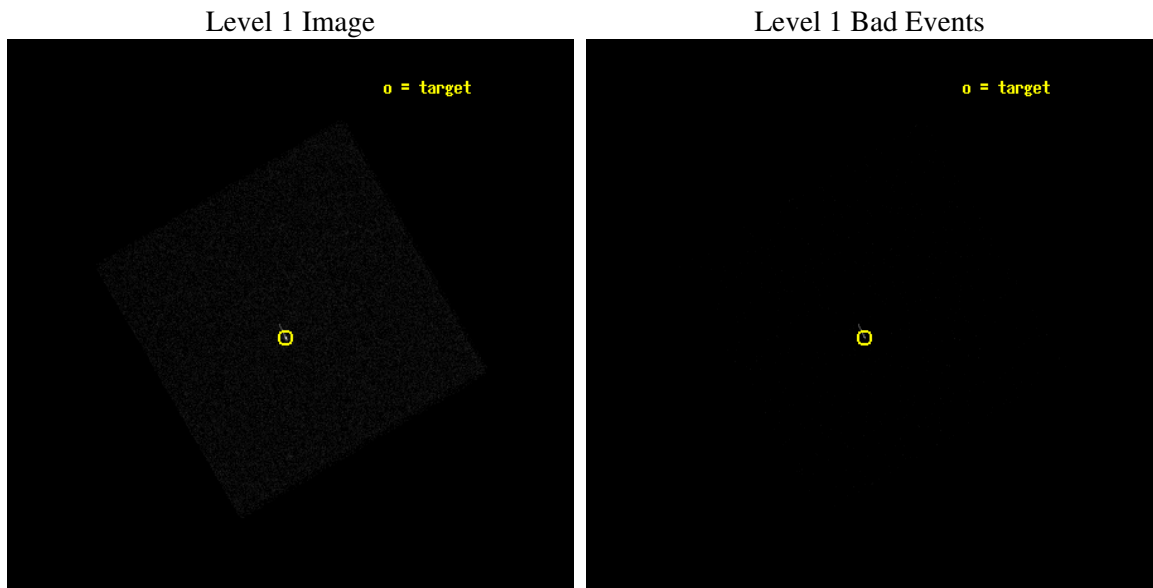
seq_num	290535
obs_id	6134
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.15776745371
dec_nom	45.770546506171
roll_nom	284.70168571549
revision	3
ontime	1079.3250485361
livetime	1071.5434963081
l2events	44108



## 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	2007-11-24T04:00:43
revision	3

sched_exp_time	900.000000
ontime	1079.3250485361
l1events	82763

### 2.1.3 Events

#### Level 1 Events

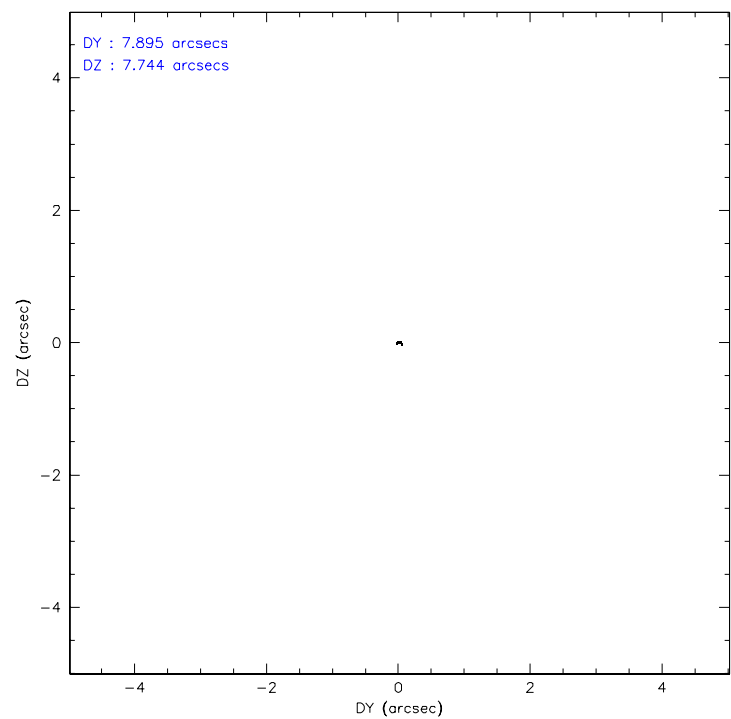
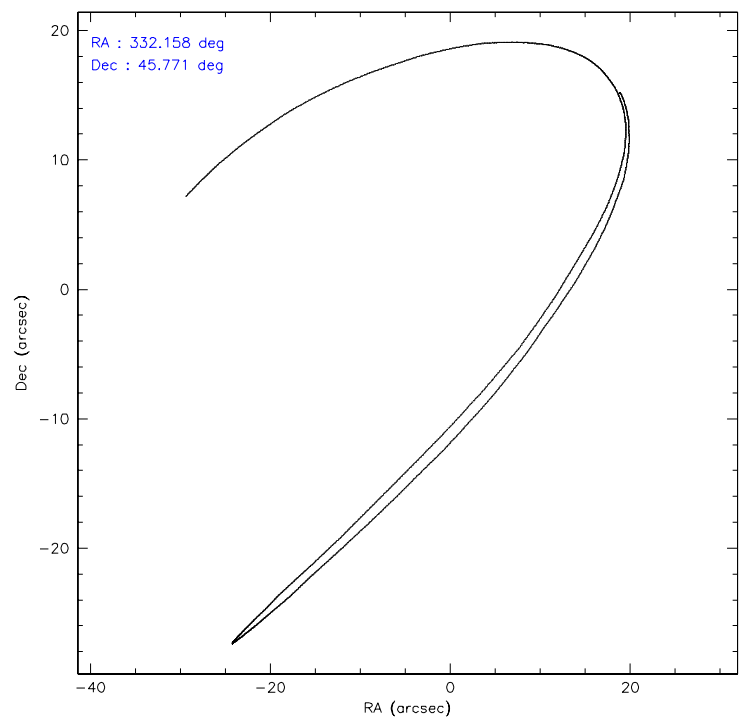
	<b>segment 0</b>
level 1 events	82763
rejected events	19489
rejected %	23%

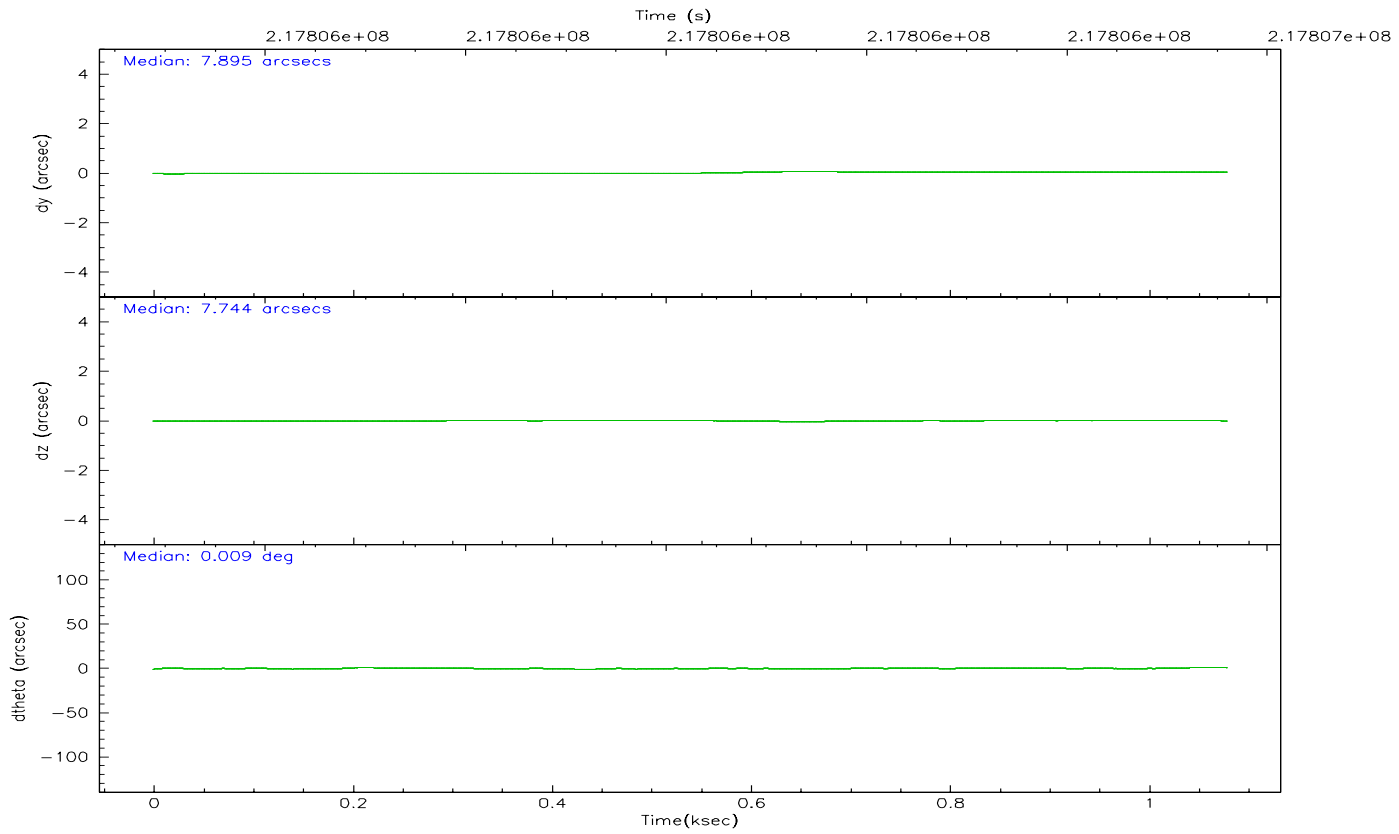
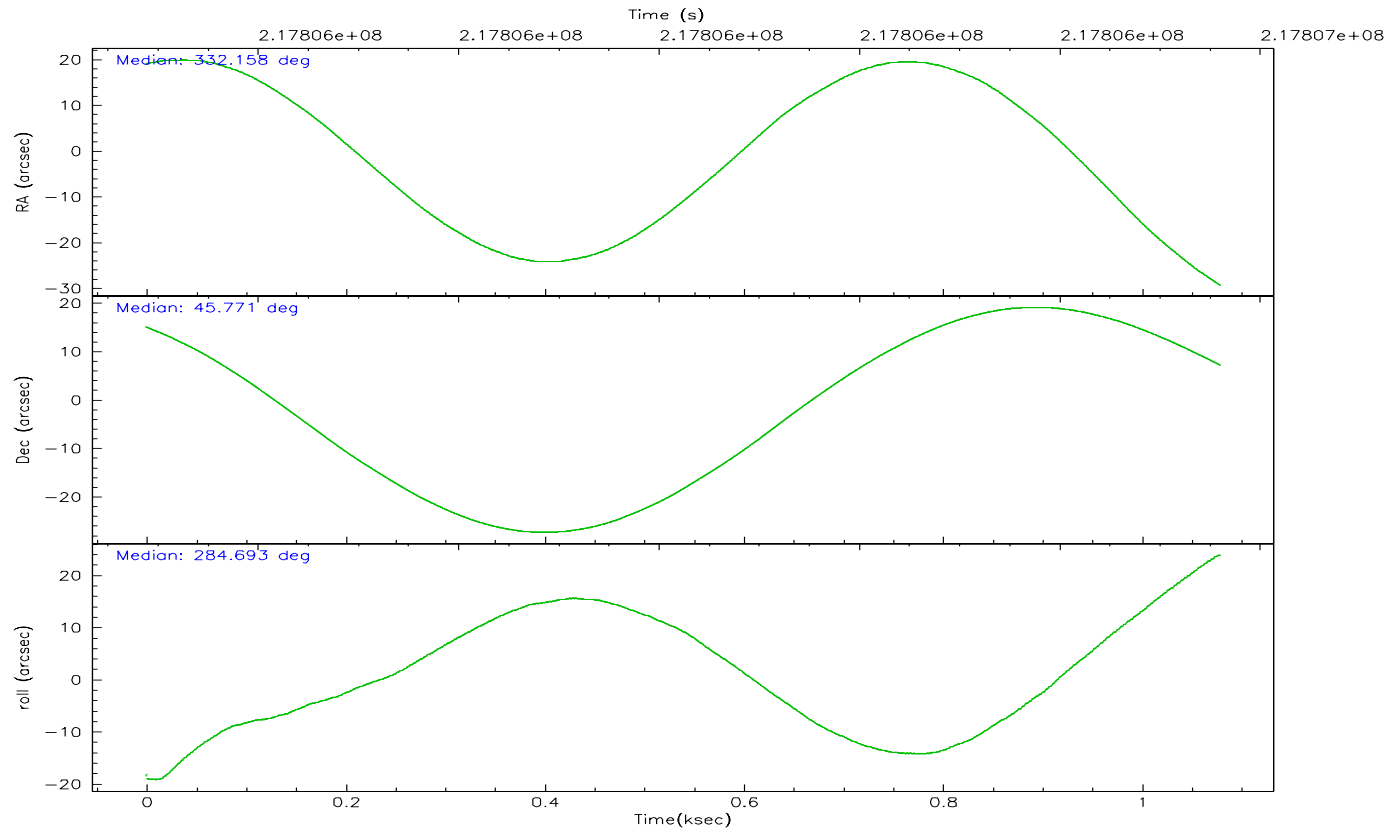
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.129001	332.1577674537072
Pointing Dec	45.789230	45.7705465061713
Pointing Roll	284.817820	284.7016857154939
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	217805667.184000	217805291.3841
Observation start date	2004-11-25T21:33:23	2004-11-25T21:28:11
Observation end time	217806567.184000	217806700.75916
Observation end date	2004-11-25T21:48:23	2004-11-25T21:51:40

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect





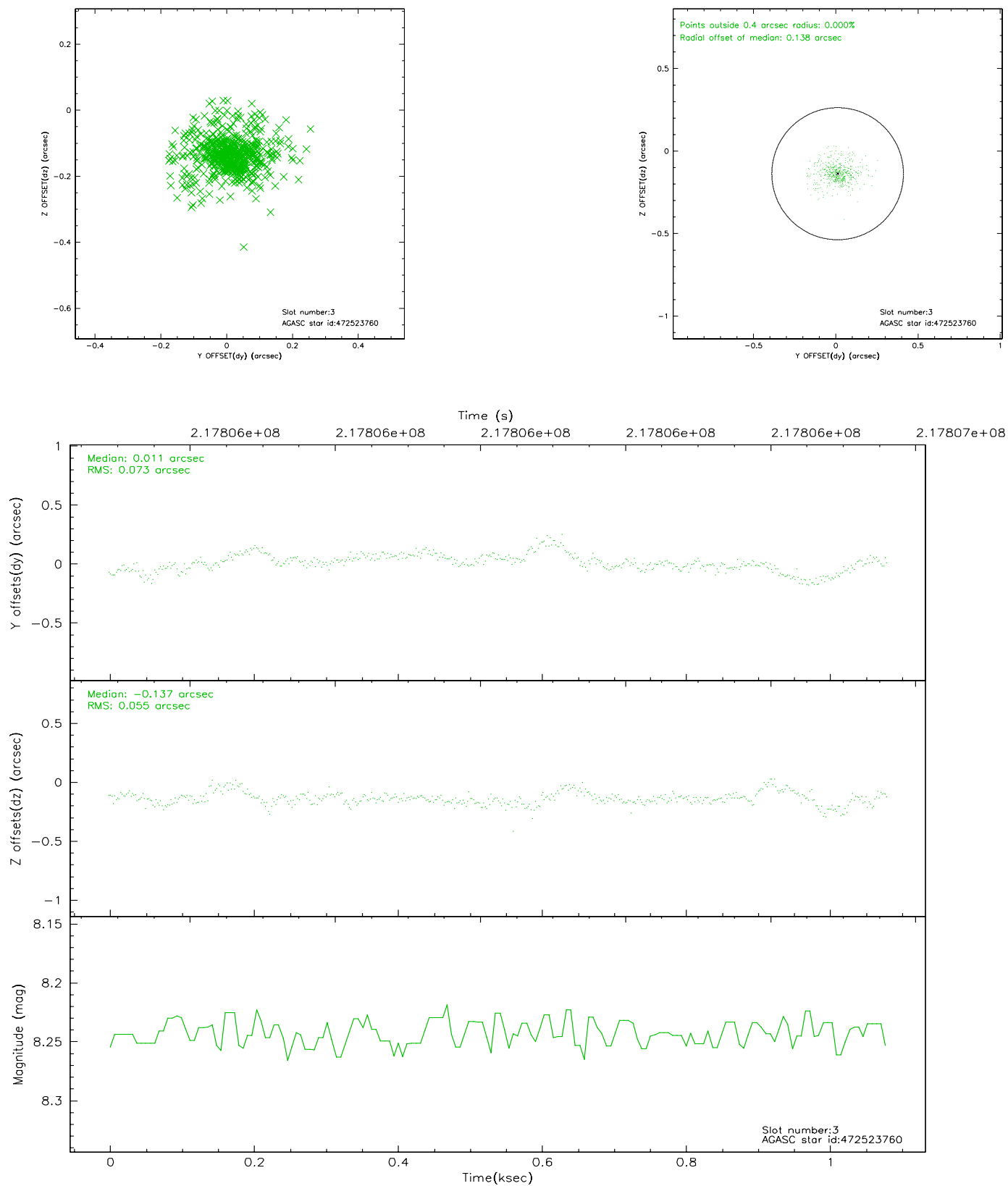
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	264	-0.004	0.037	0.007	0.016	0.000000	0.000000	-763.54	-1295.62
1	FID	HRC-I-2	7.04	264	0.154	-0.125	0.006	0.011	0.000000	0.000000	846.36	-1302.27
2	FID	HRC-I-3	7.09	264	-0.031	-0.001	0.006	0.020	0.000000	0.000000	-1188.82	1003.98
3	GUIDE	472523760	8.24	528	0.011	-0.137	0.090	0.171	331.645363	45.403260	1027.52	-1538.13
4	GUIDE	472527720	7.02	528	0.180	-0.033	0.122	0.214	331.460205	45.112509	1916.49	-2268.48
5	GUIDE	472533912	9.16	528	-0.127	0.124	0.097	0.168	331.791136	46.368695	-2229.35	-283.80
6	GUIDE	472655152	9.44	527	0.033	0.022	0.199	0.838	332.504239	45.862991	-22.40	975.49
7	GUIDE	472659832	9.46	525	-0.050	0.063	0.157	0.249	332.780399	46.098139	-665.83	1857.98

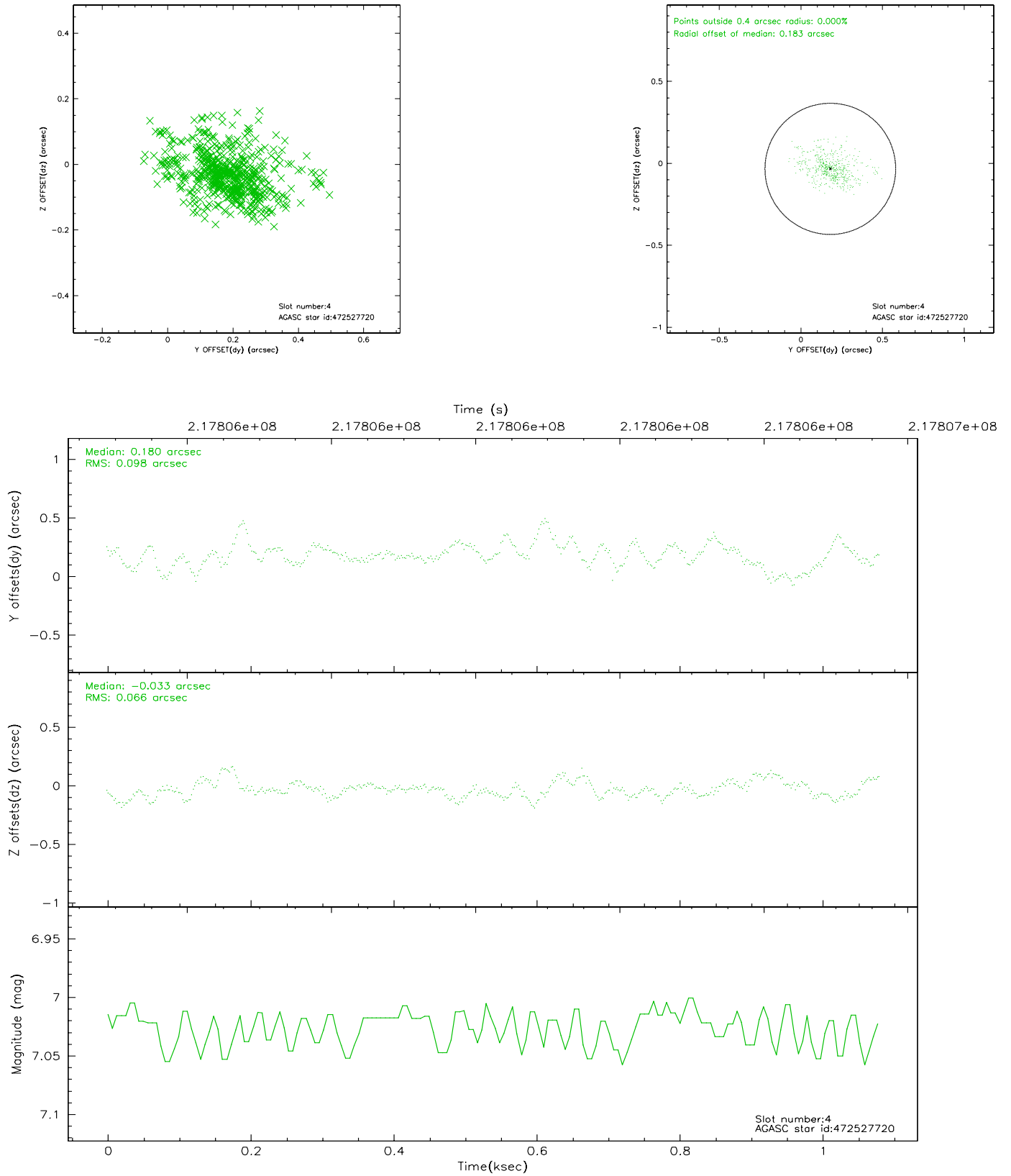


## 2.4 Star Slots

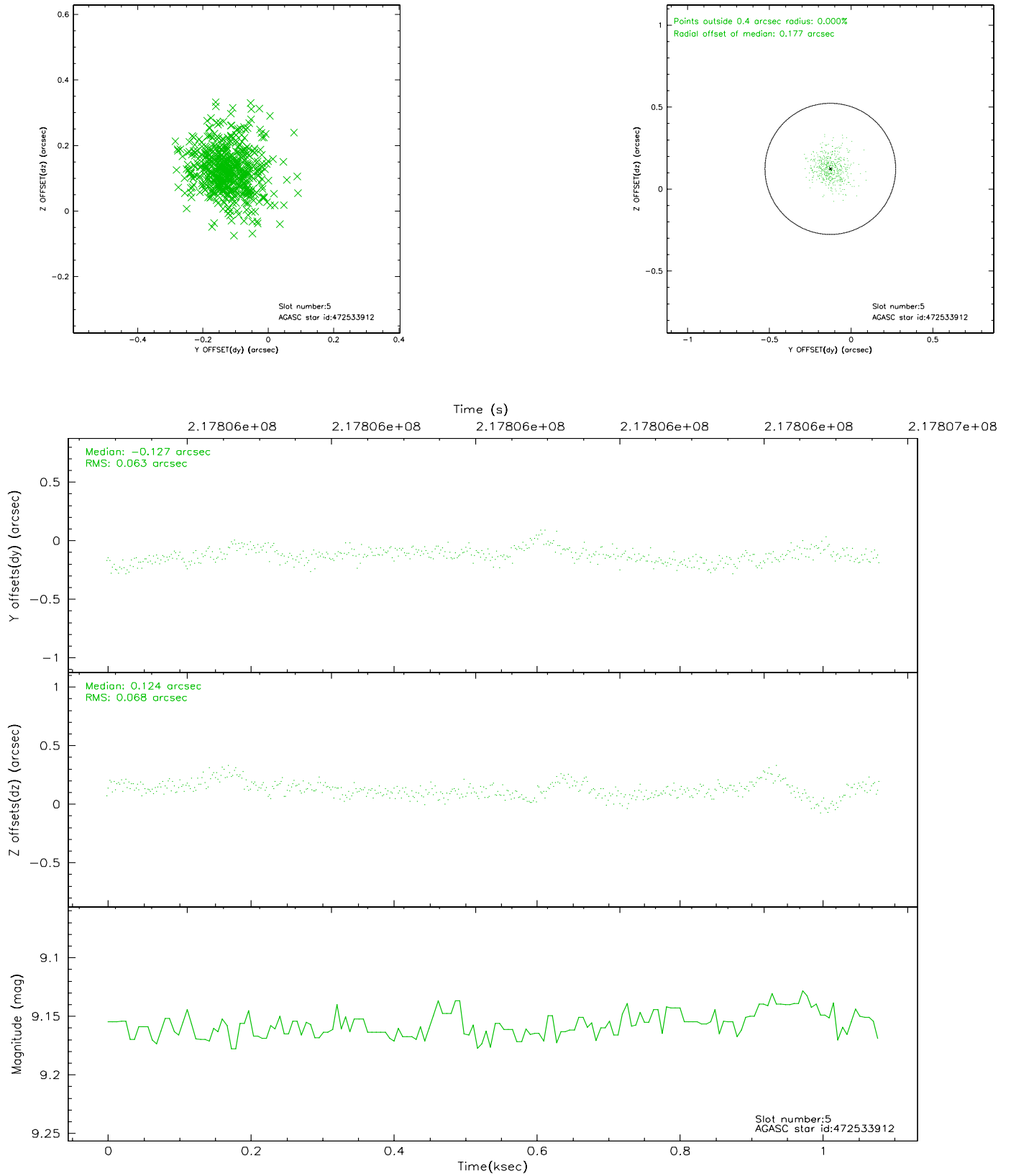
### 2.4.1 Slot 3



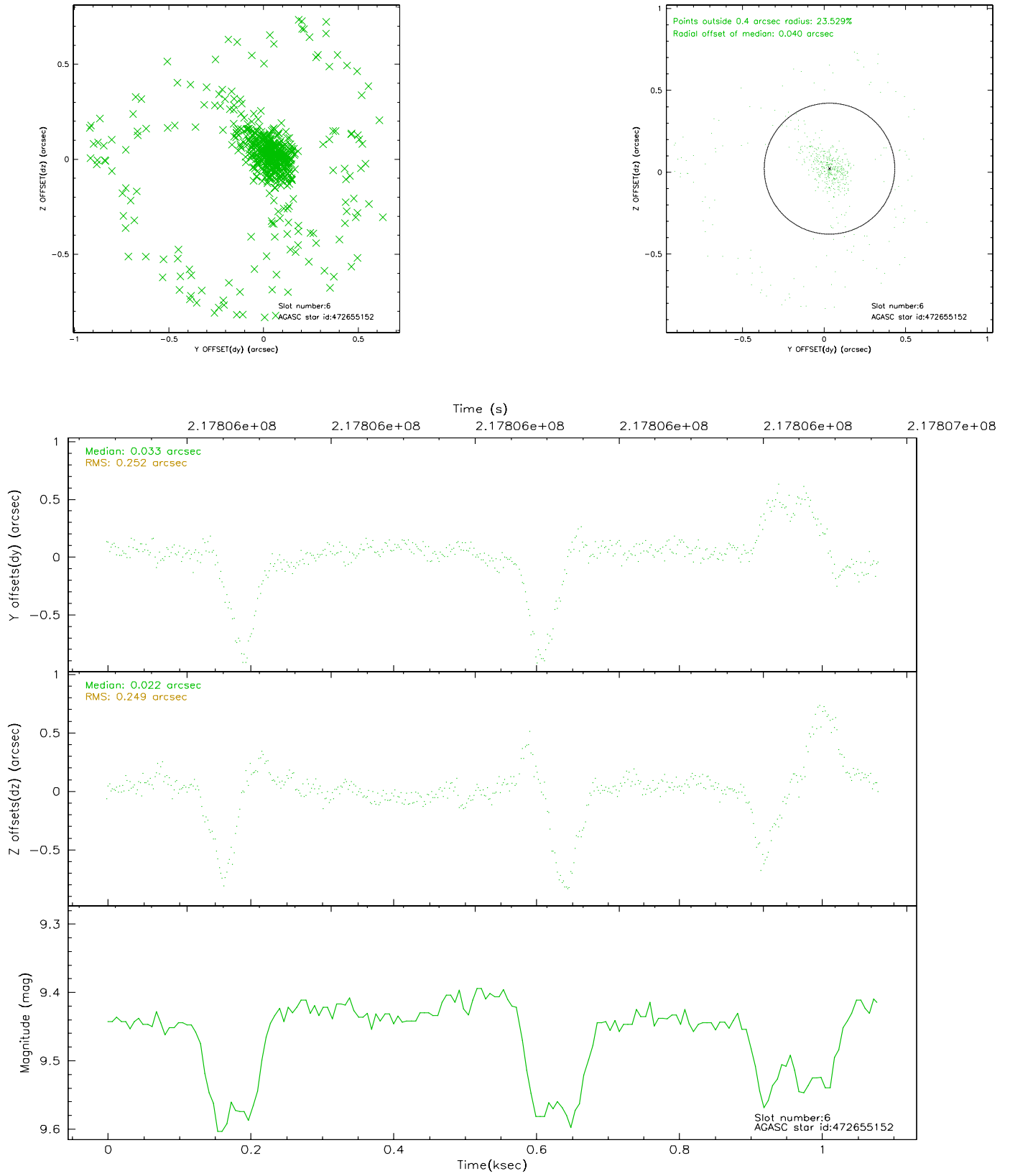
## 2.4.2 Slot 4



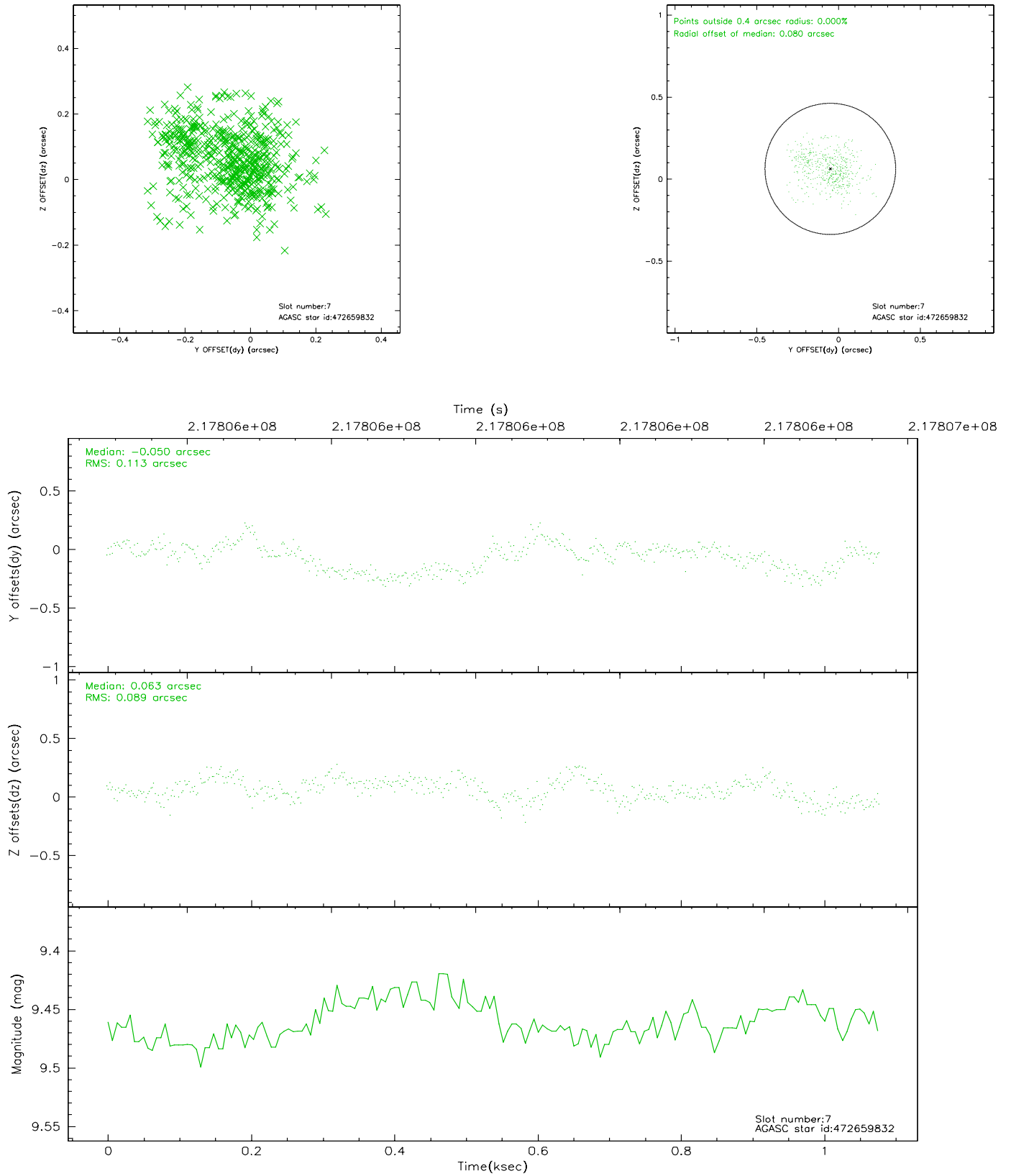
### 2.4.3 Slot 5



## 2.4.4 Slot 6

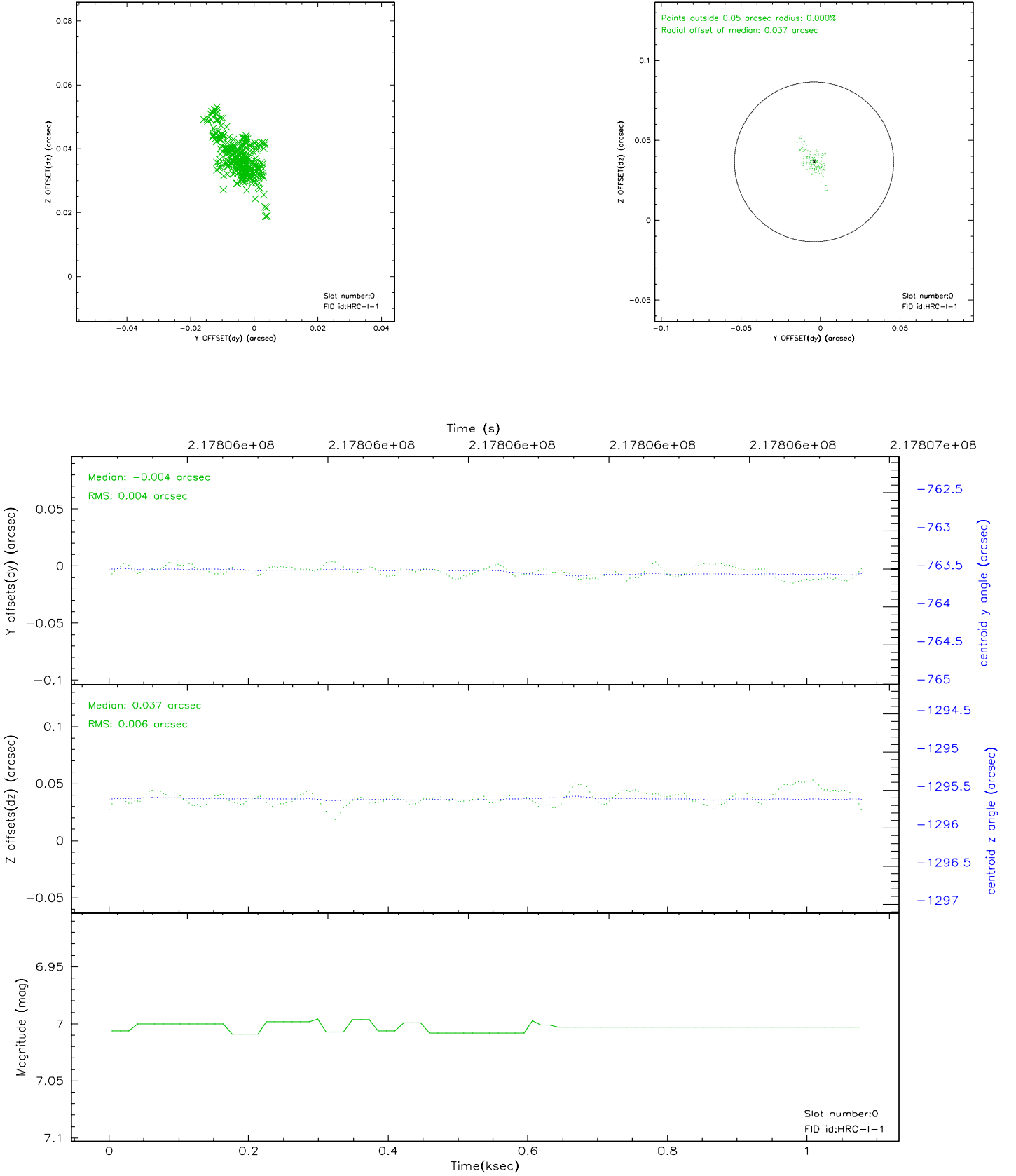


## 2.4.5 Slot 7

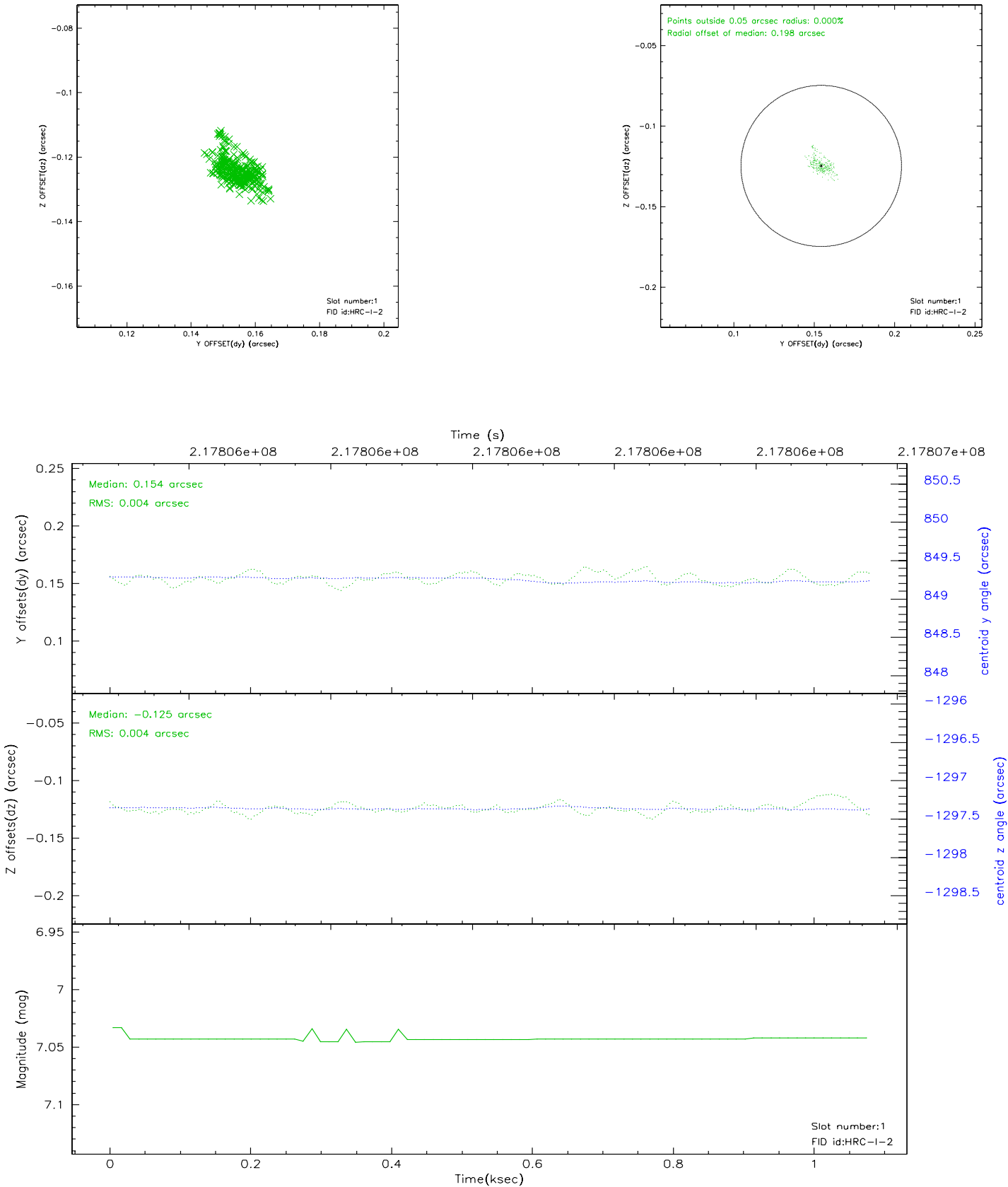


## 2.5 FID Slots

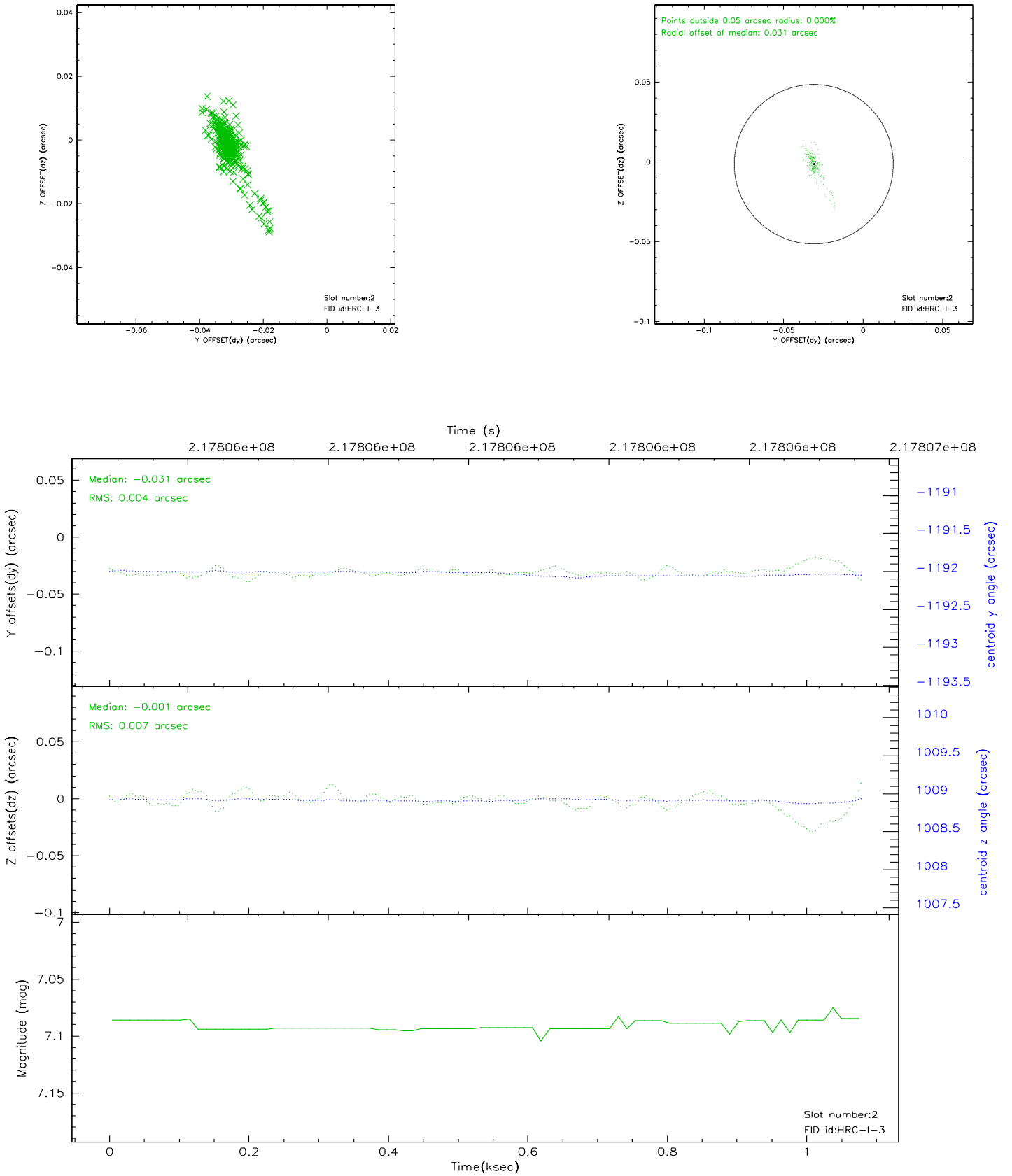
### 2.5.1 Slot 0



2.5.2 Slot 1

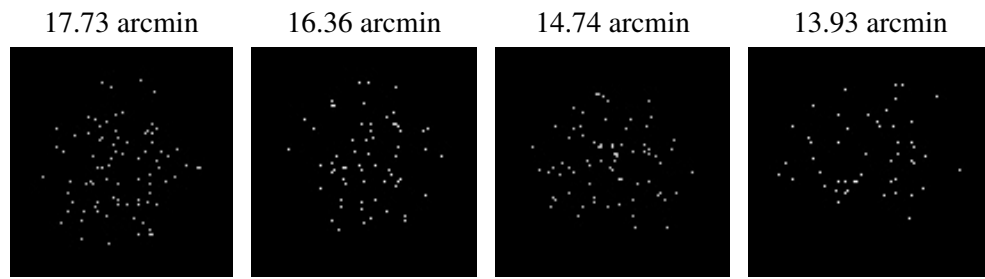


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.07958129

## A.2 Comments

Slot 6, while not pretty, does fall within current spec.

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.