

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5073 - L2 Version 3  
Chandra X-Ray Center

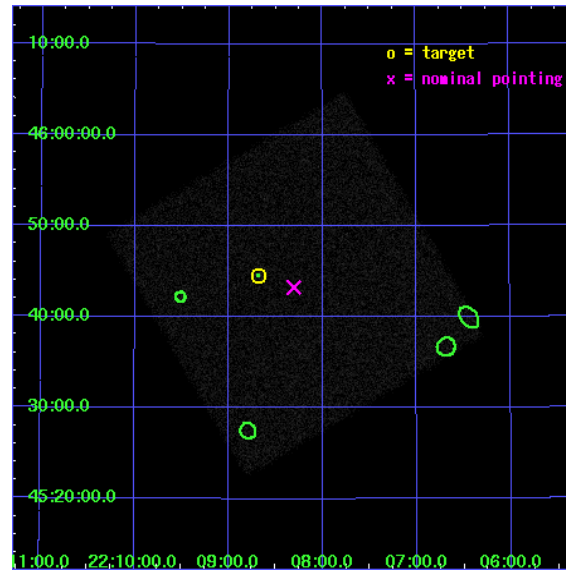
L2 Processing Date : Nov 23 2007

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# 1 Front

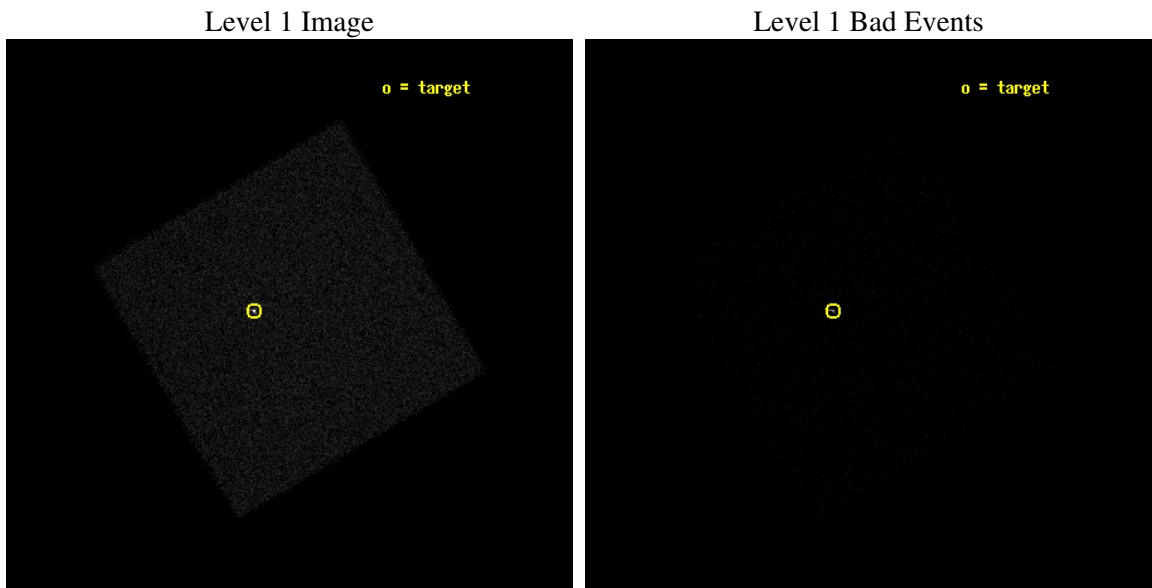
seq_num	290346
obs_id	5073
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.07604568897
dec_nom	45.72117237616
roll_nom	284.64009263831
revision	3
ontime	1079.5812985003
livetime	1070.7998142404
l2events	55424



## 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	2007-11-24T02:30:46
revision	3

sched_exp_time	900.000000
ontime	1079.5812985003
l1events	108963

### 2.1.3 Events

#### Level 1 Events

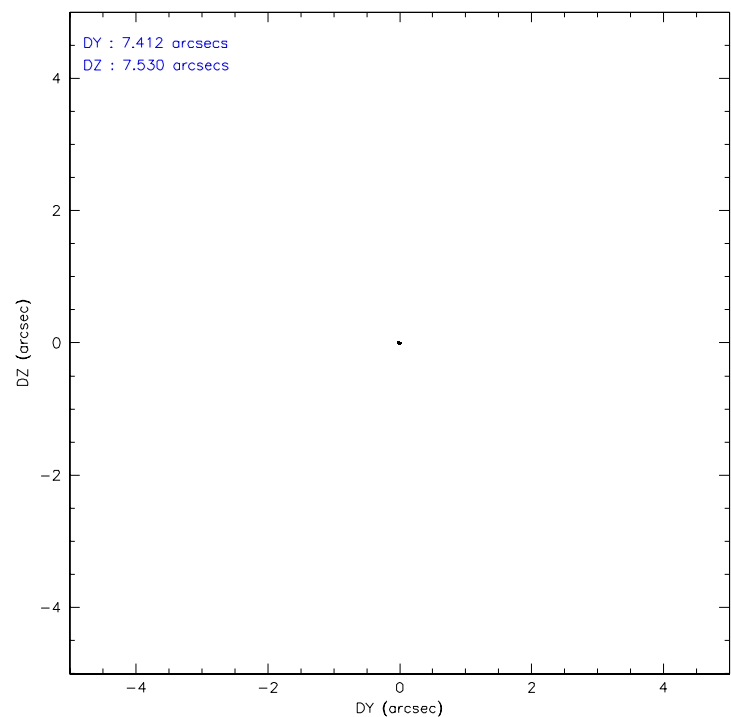
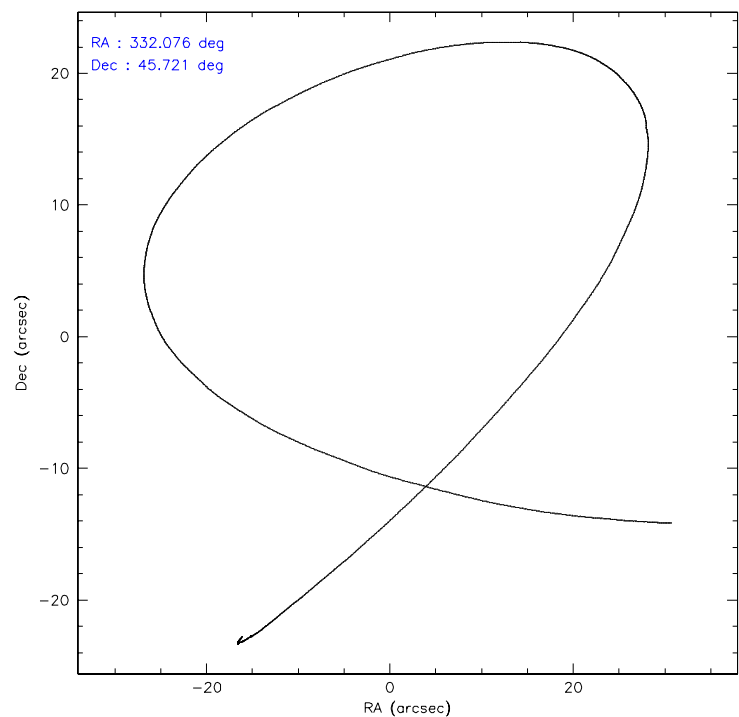
	<b>segment 0</b>
level 1 events	108963
rejected events	30987
rejected %	28%

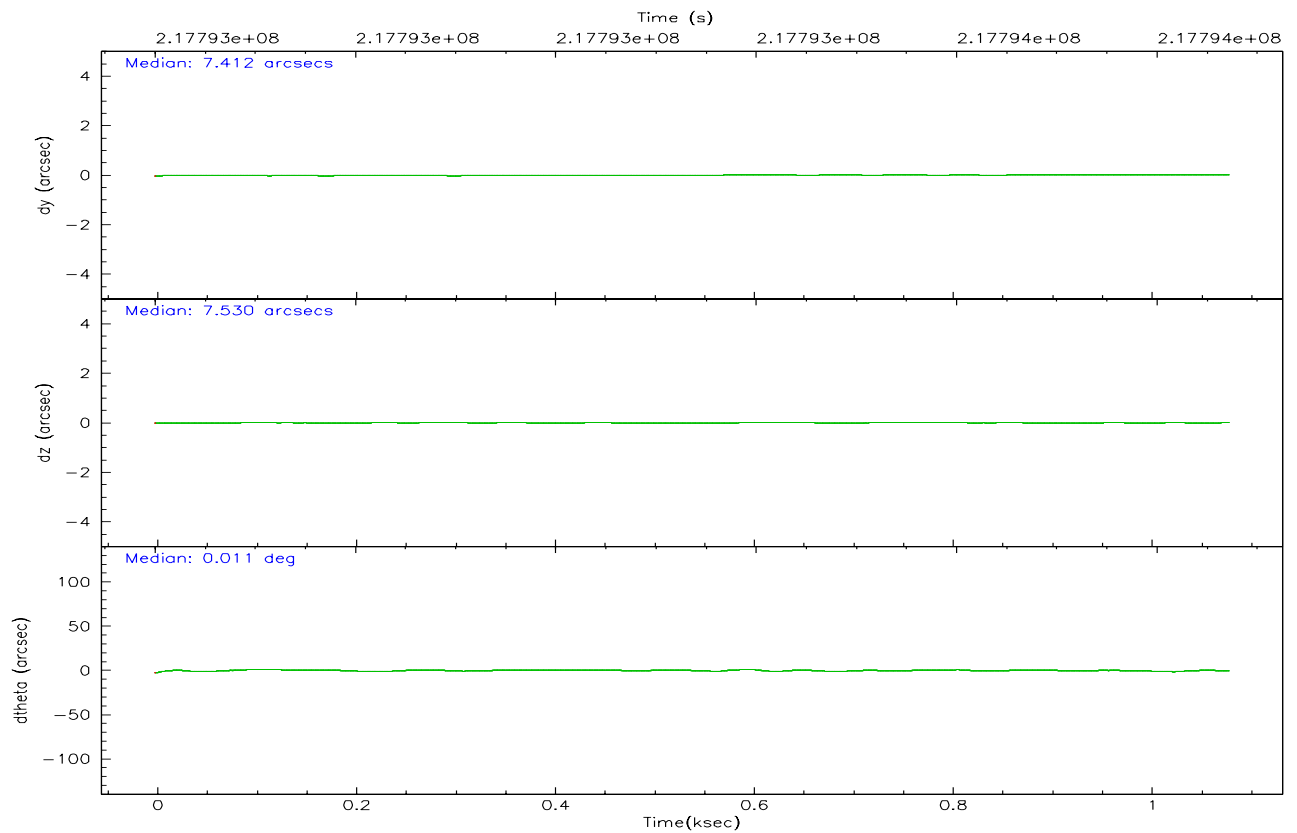
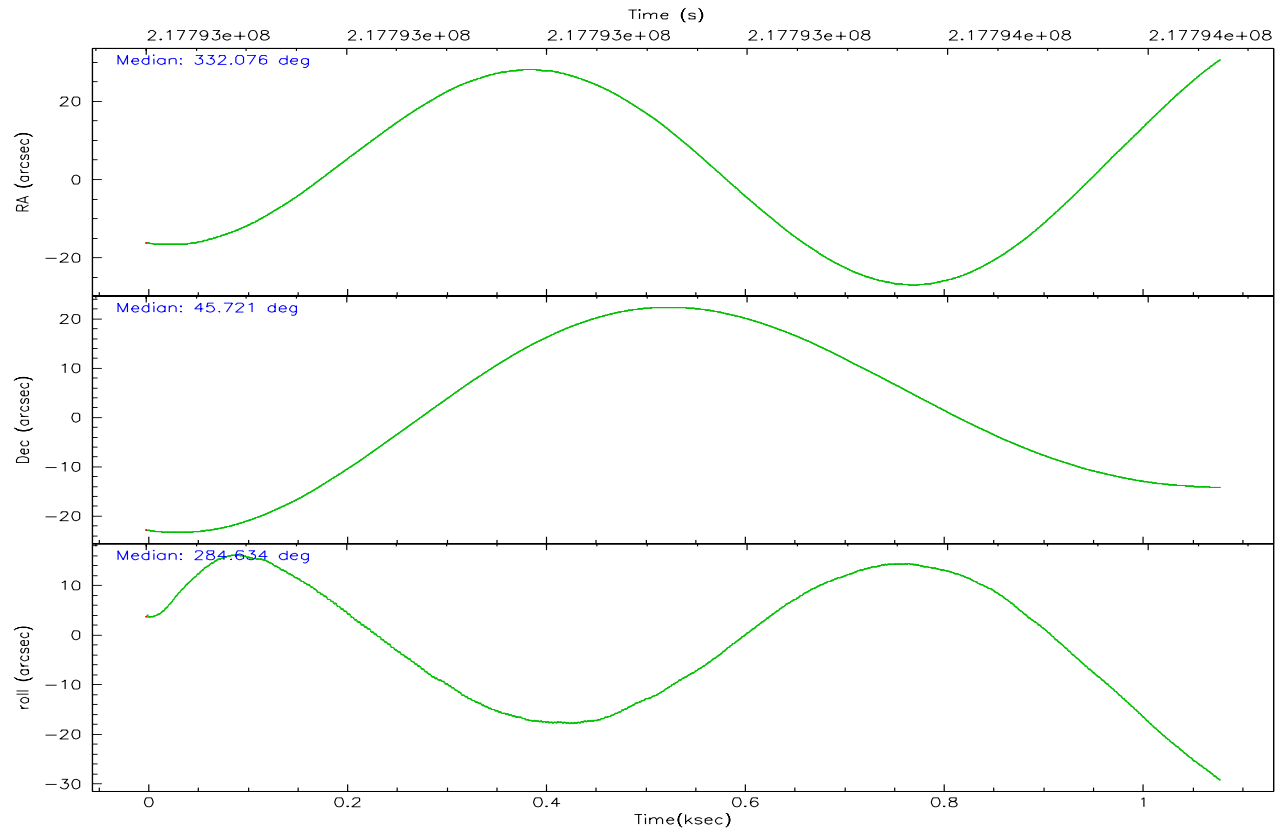
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.048850	332.0760456889744
Pointing Dec	45.740095	45.72117237616022
Pointing Roll	284.755127	284.6400926383113
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	217792977.184000	217792600.85853
Observation start date	2004-11-25T18:01:53	2004-11-25T17:56:40
Observation end time	217793877.184000	217794011.25859
Observation end date	2004-11-25T18:16:53	2004-11-25T18:20:11

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

### 2.3 Aspect





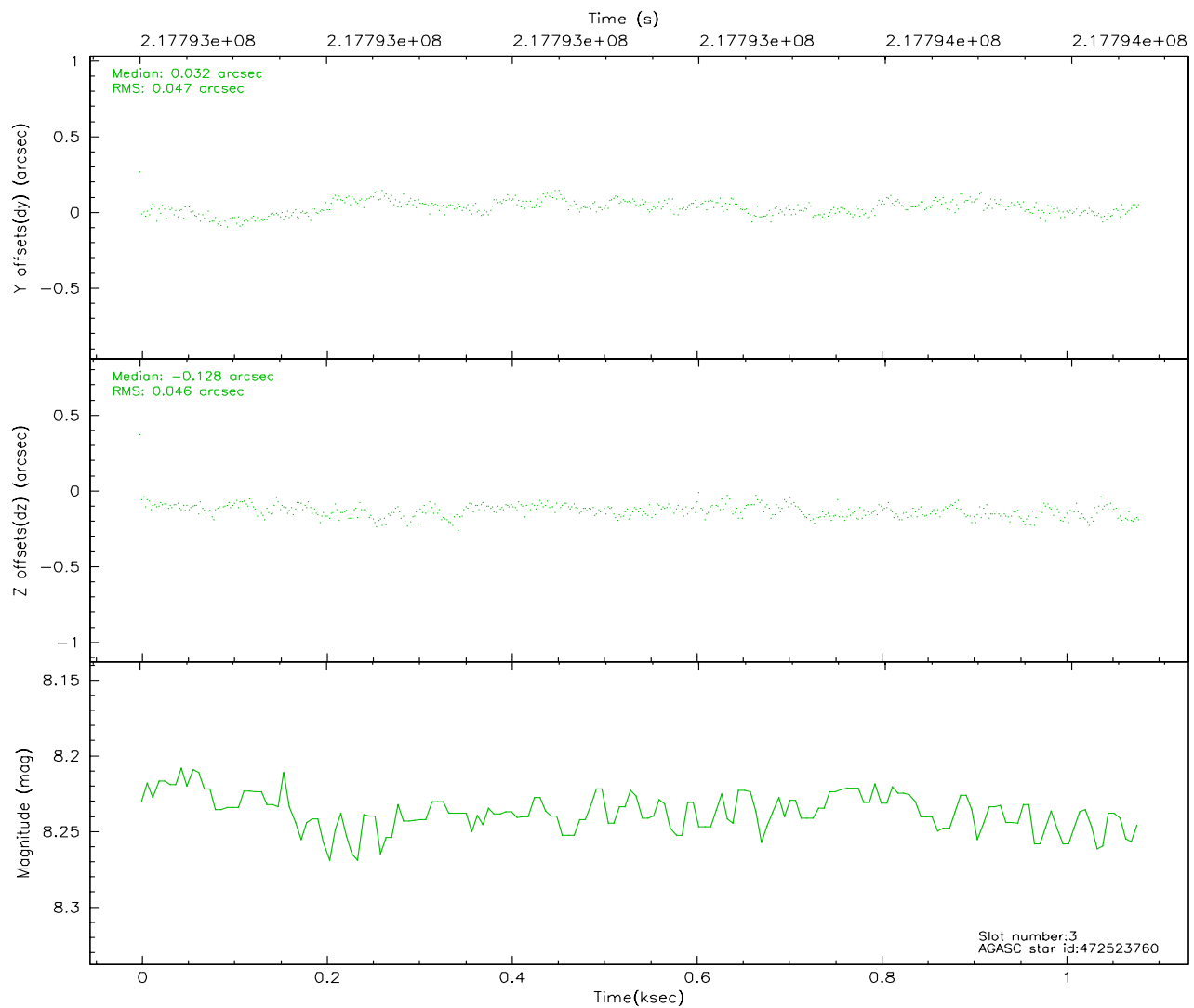
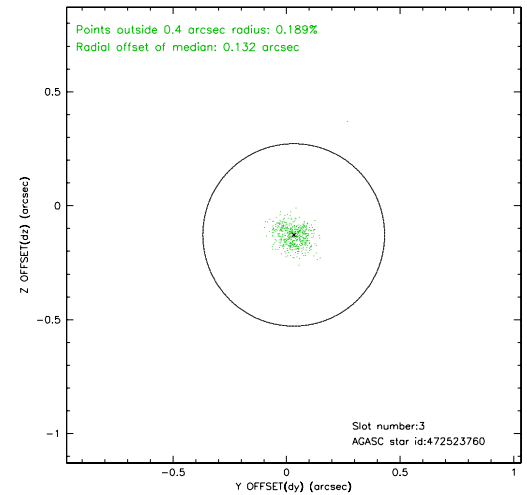
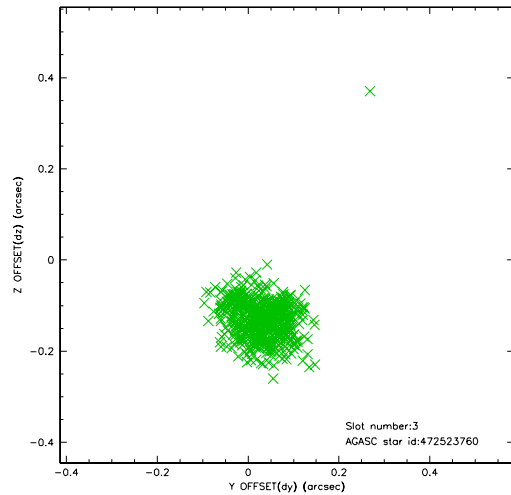
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	264	0.042	0.001	0.006	0.010	0.000000	0.000000	-763.02	-1295.41
1	FID	HRC-I-3	7.10	264	-0.070	-0.051	0.007	0.012	0.000000	0.000000	-1194.41	1004.22
2	FID	HRC-I-4	7.05	264	0.143	-0.040	0.006	0.010	0.000000	0.000000	1275.45	1010.43
3	GUIDE	472523760	8.24	528	0.032	-0.128	0.065	0.102	331.645363	45.403260	911.01	-1292.47
4	GUIDE	472655152	9.43	527	0.062	0.113	0.111	0.187	332.504239	45.862991	-138.14	1217.19
5	GUIDE	472659832	9.47	526	-0.046	0.009	0.105	0.199	332.780399	46.098139	-789.57	2100.59
6	GUIDE	472527720	7.02	528	0.113	-0.001	0.086	0.145	331.460205	45.112509	1797.95	-2014.07
7	GUIDE	472535576	7.86	527	-0.164	0.011	0.055	0.091	331.438373	46.291802	-2309.24	-963.25

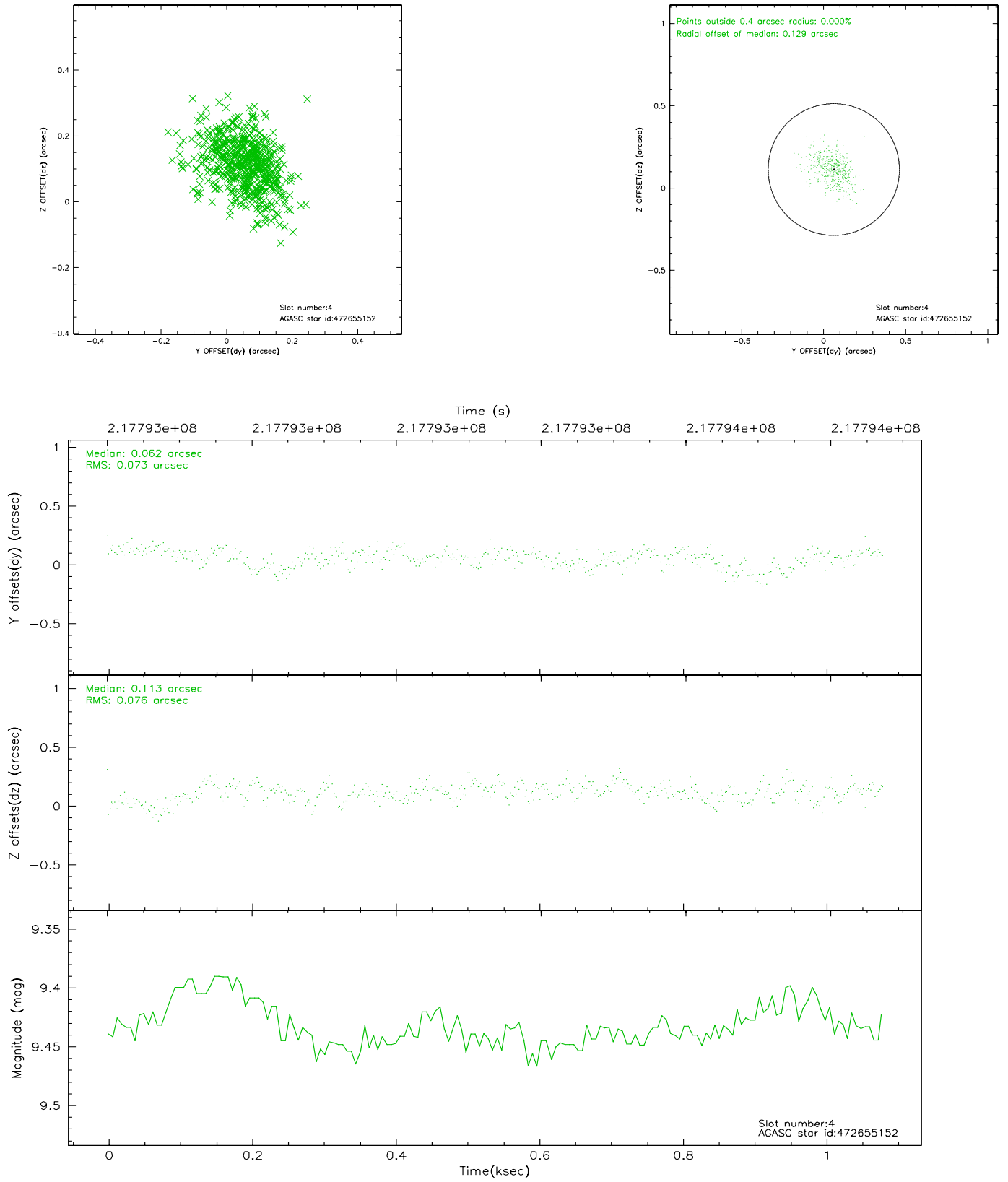


## 2.4 Star Slots

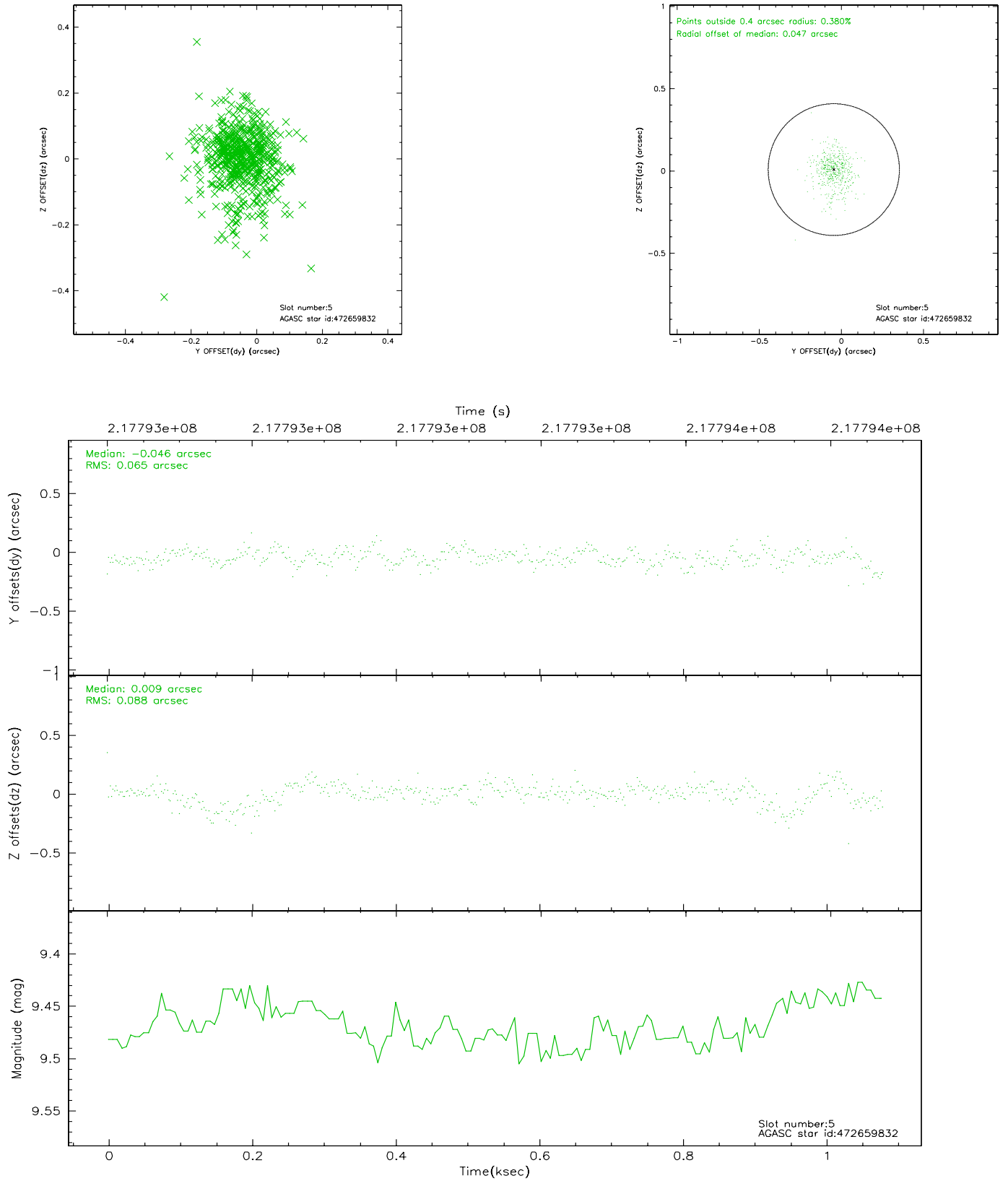
### 2.4.1 Slot 3



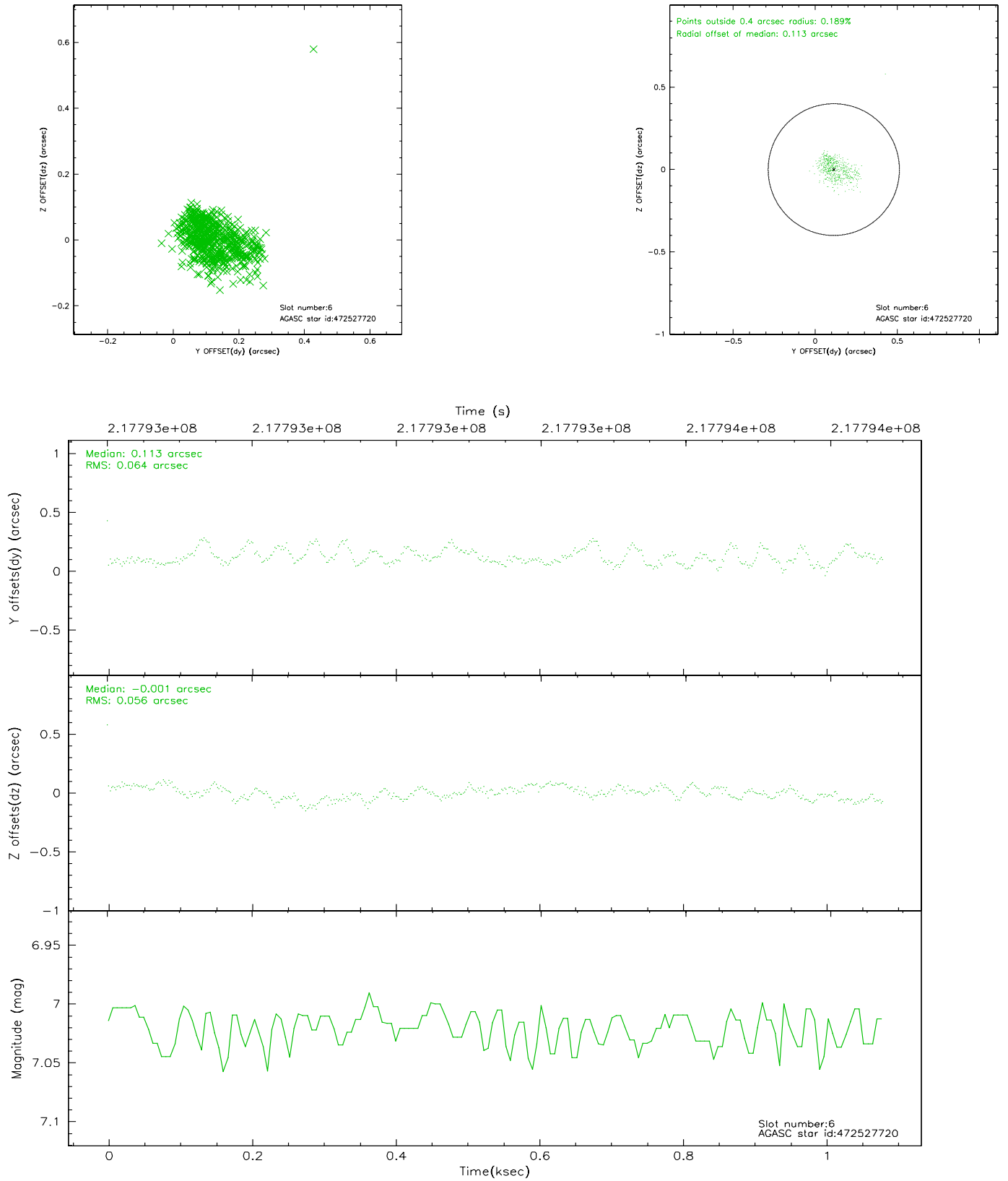
## 2.4.2 Slot 4



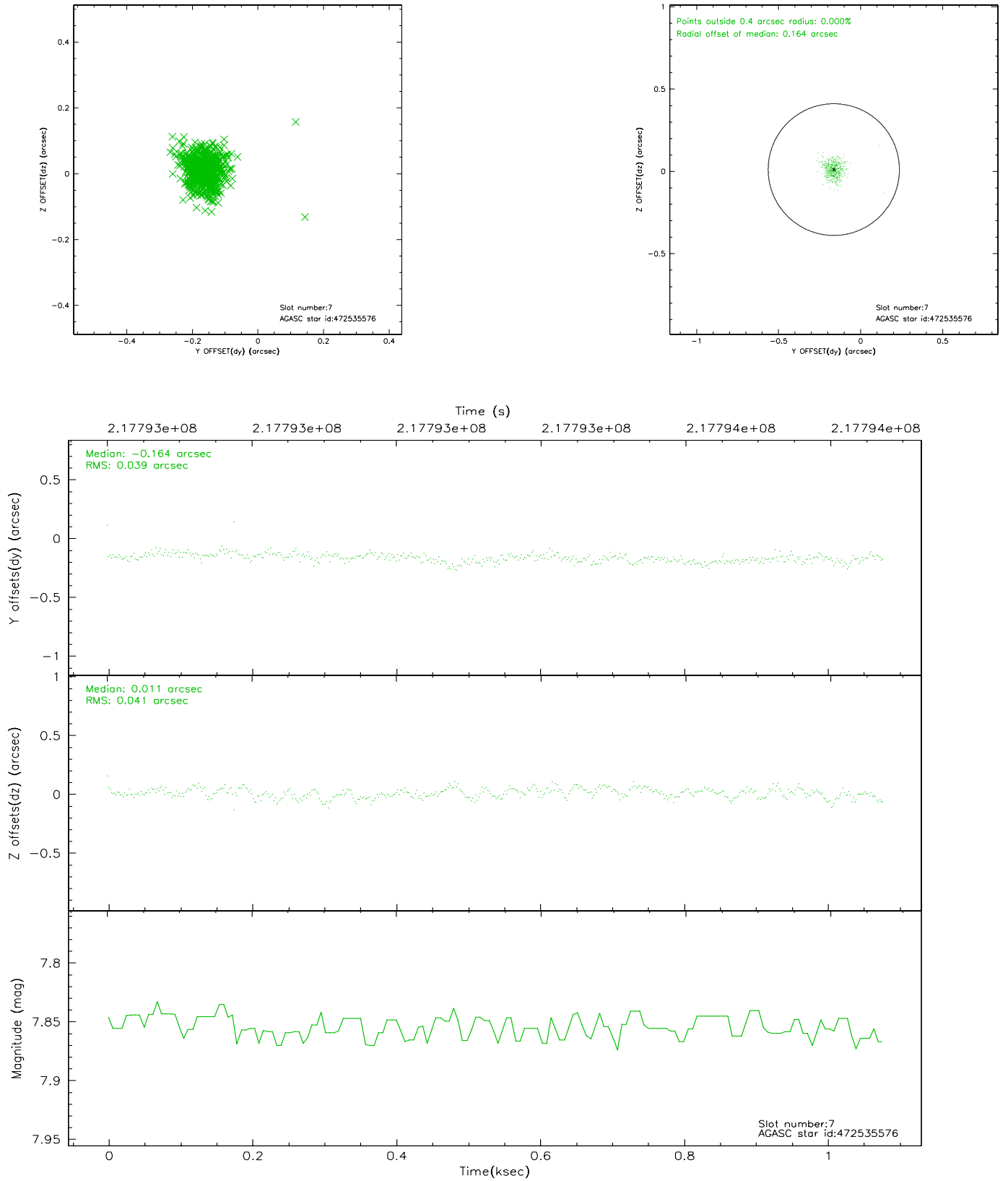
### 2.4.3 Slot 5



## 2.4.4 Slot 6

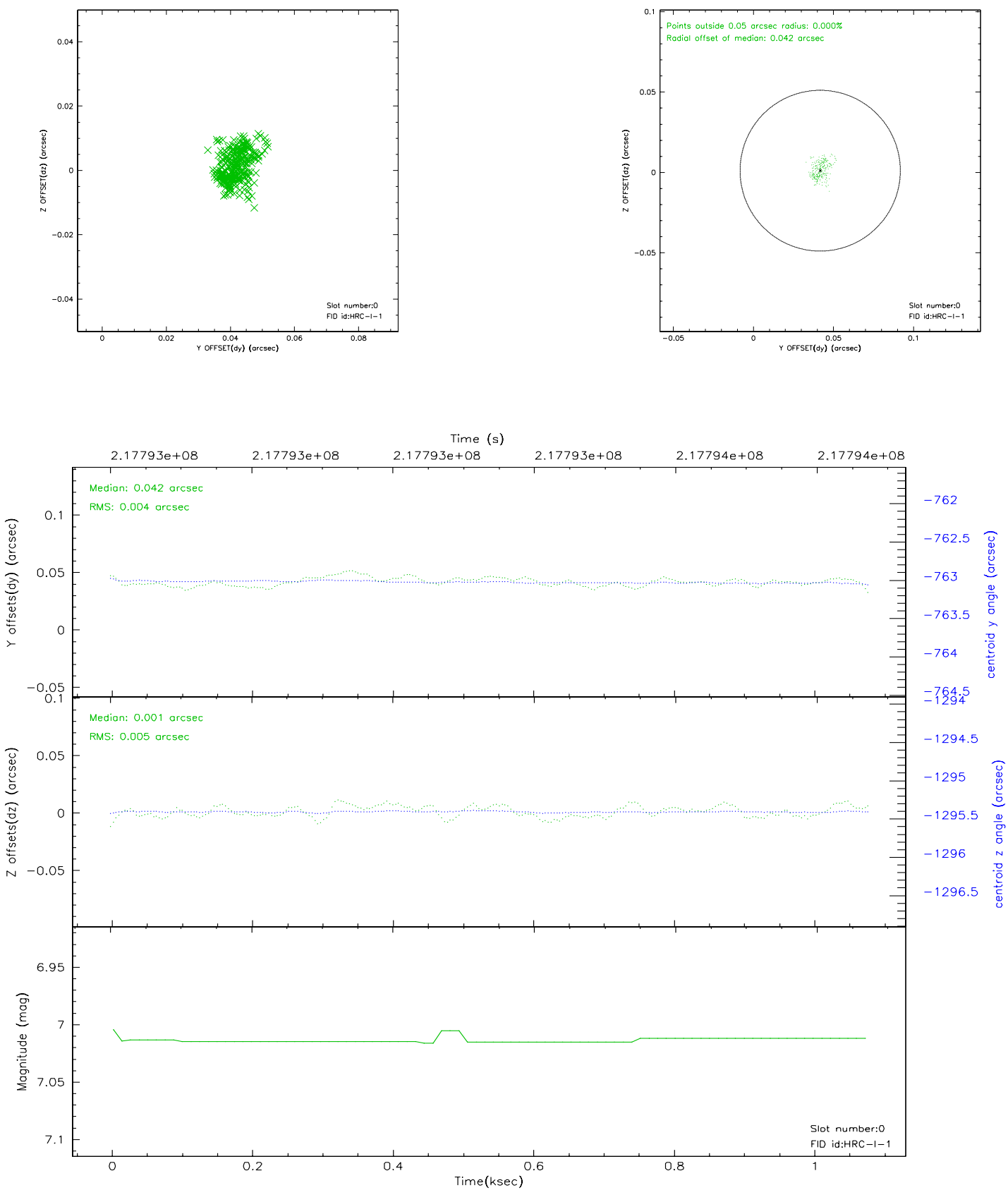


## 2.4.5 Slot 7

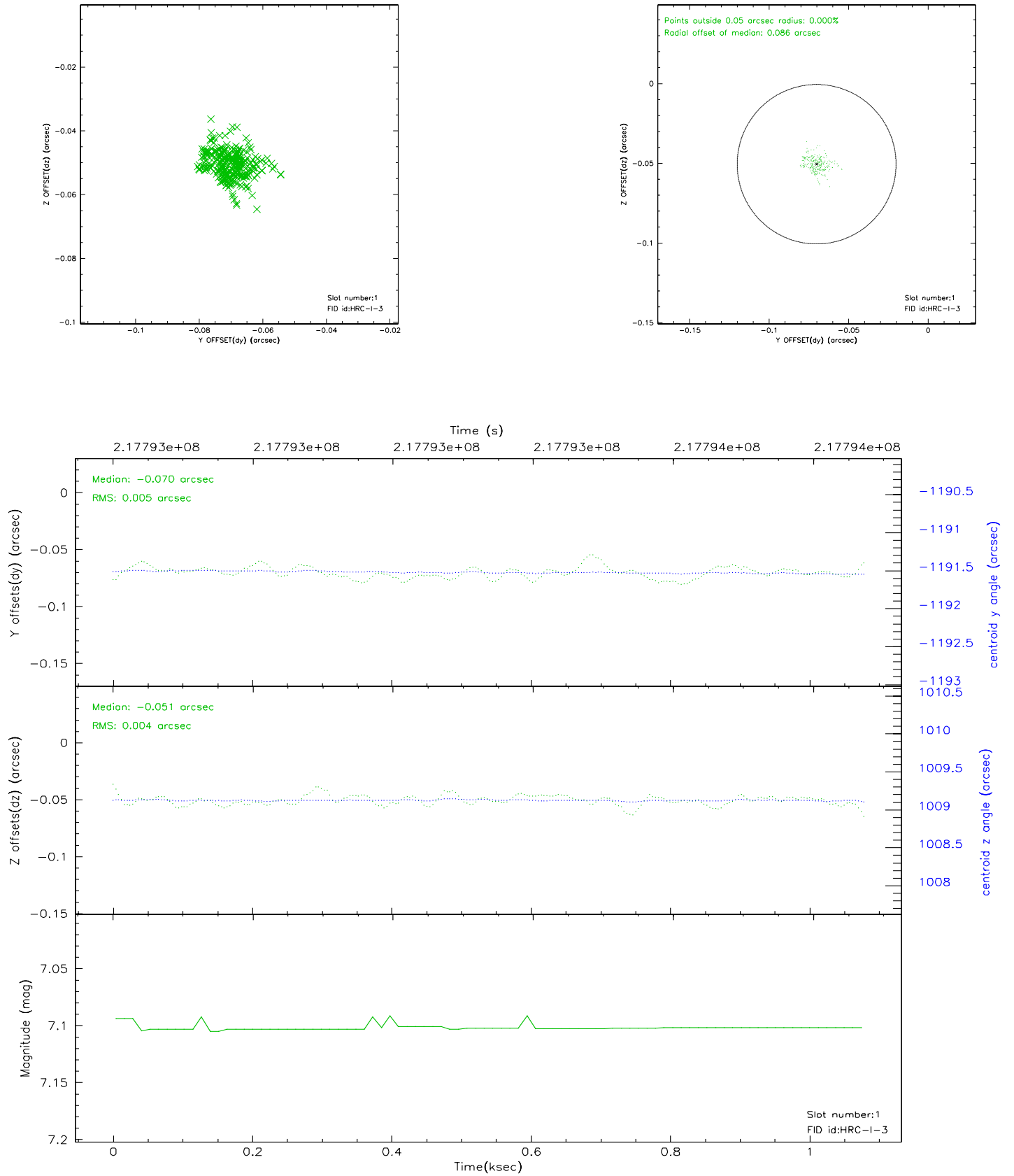


## 2.5 FID Slots

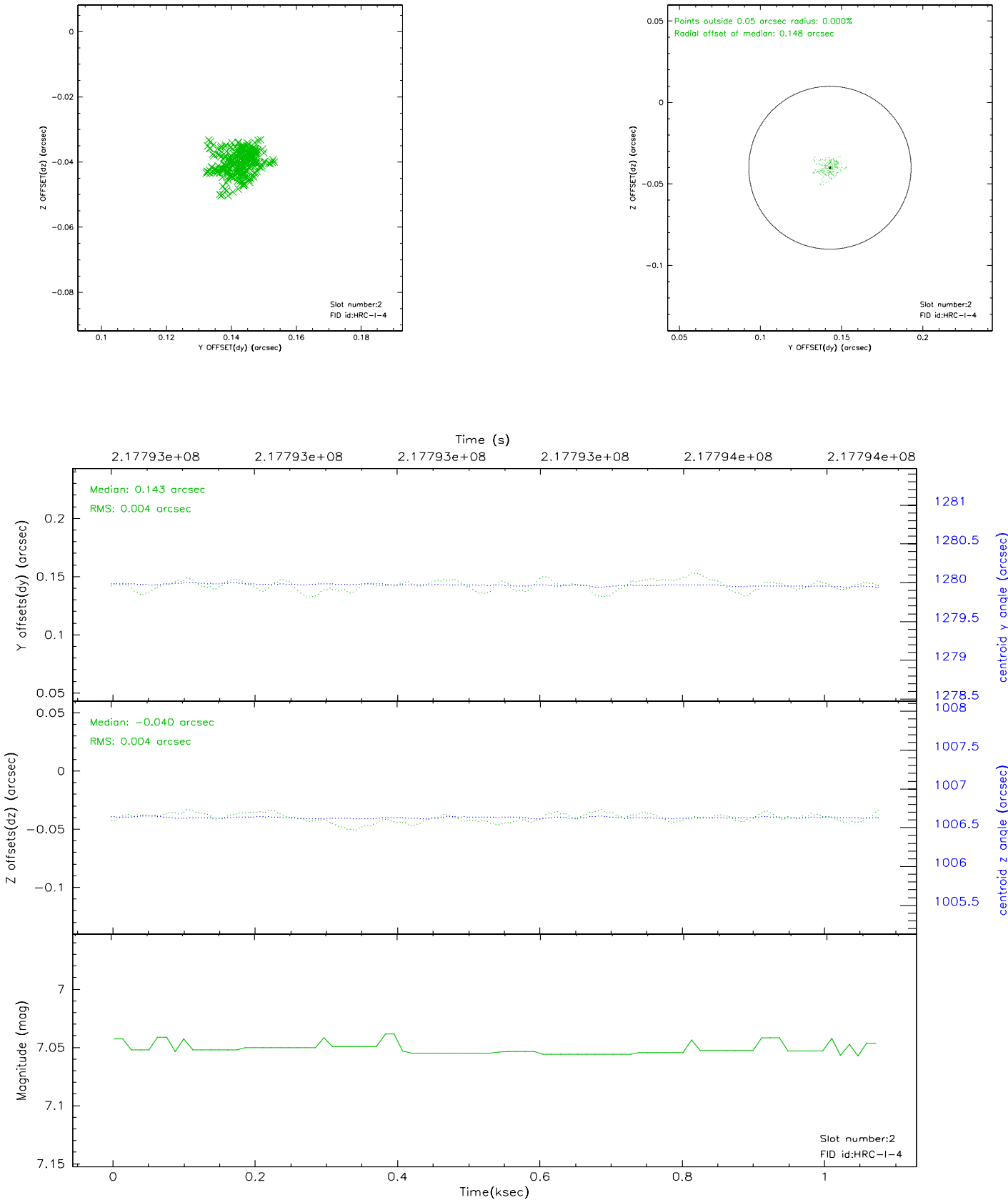
### 2.5.1 Slot 0



## 2.5.2 Slot 1

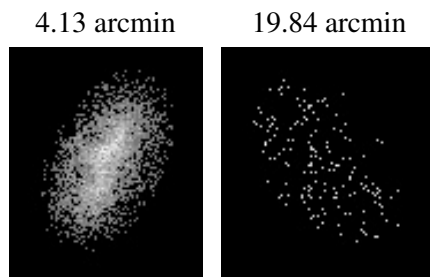


2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.079581

## 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.