

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2617 - L2 Version 3  
Chandra X-Ray Center

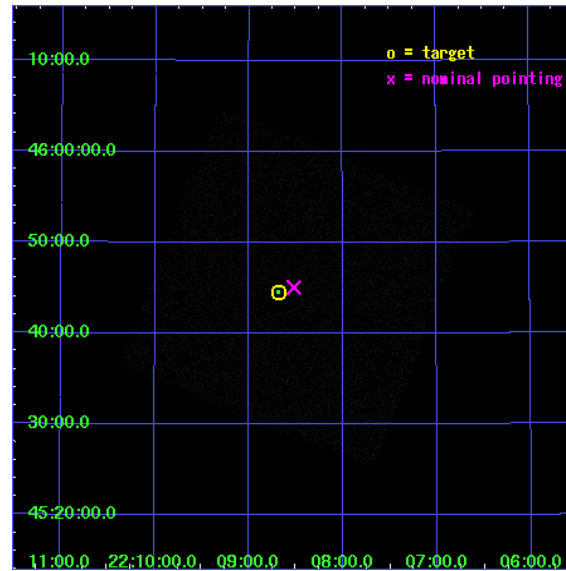
L2 Processing Date : Nov 21 2007

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# 1 Front

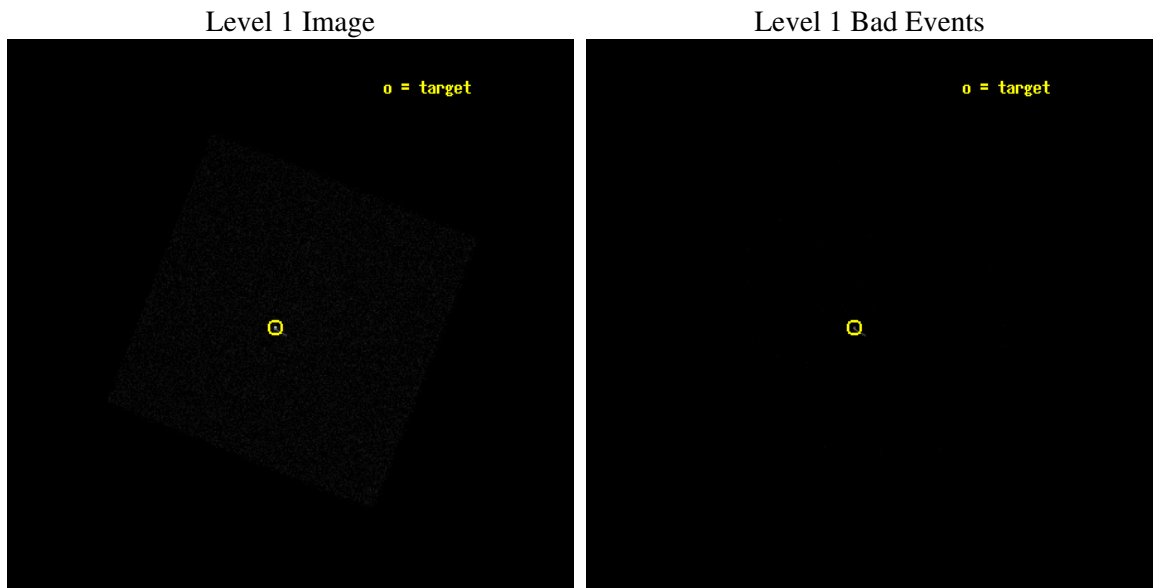
seq_num	290173
obs_id	2617
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.12992053072
dec_nom	45.751357764187
roll_nom	336.6218727312
revision	3
ontime	1192.3312980235
livetime	1185.6640520904
l2events	37459



## 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	2007-11-21T17:37:38
revision	3

sched_exp_time	1000.000000
ontime	1192.3312980235
l1events	68134

### 2.1.3 Events

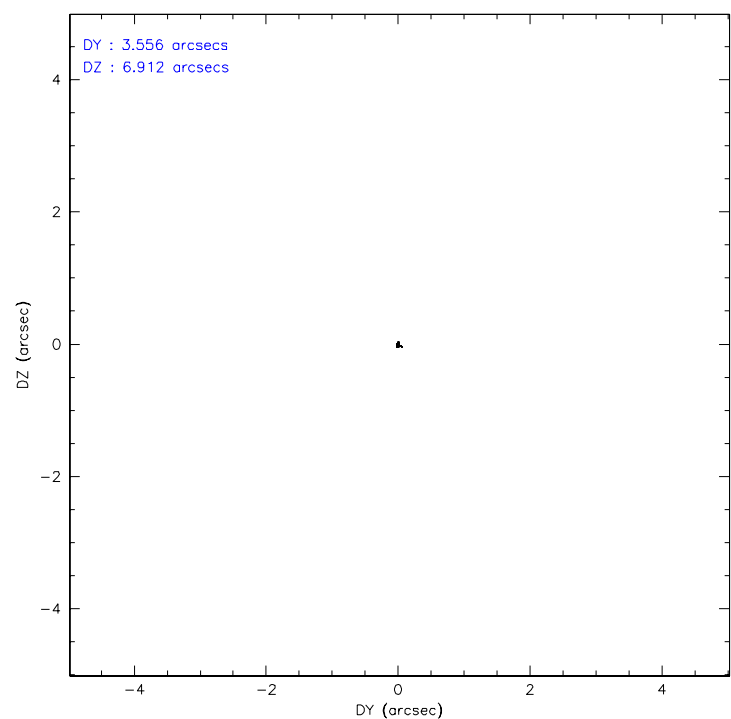
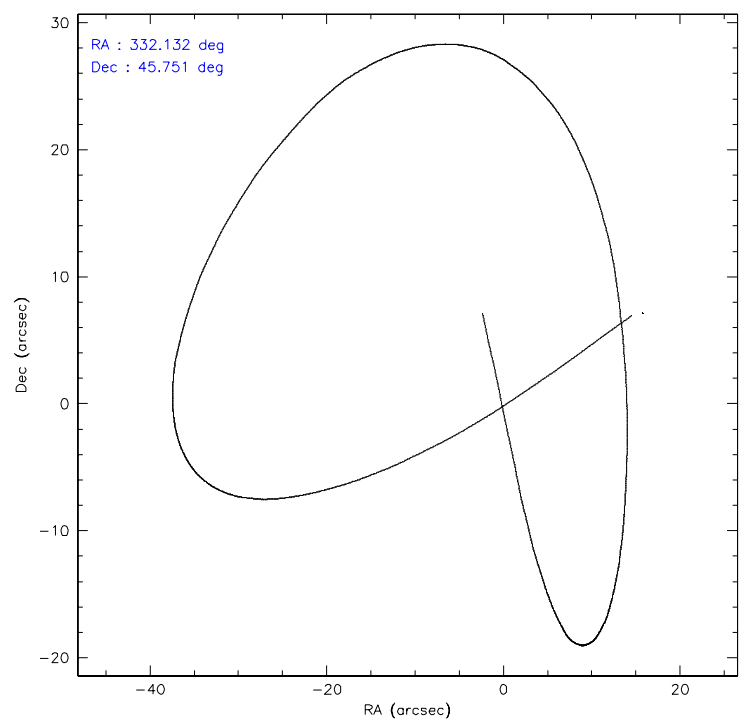
#### Level 1 Events

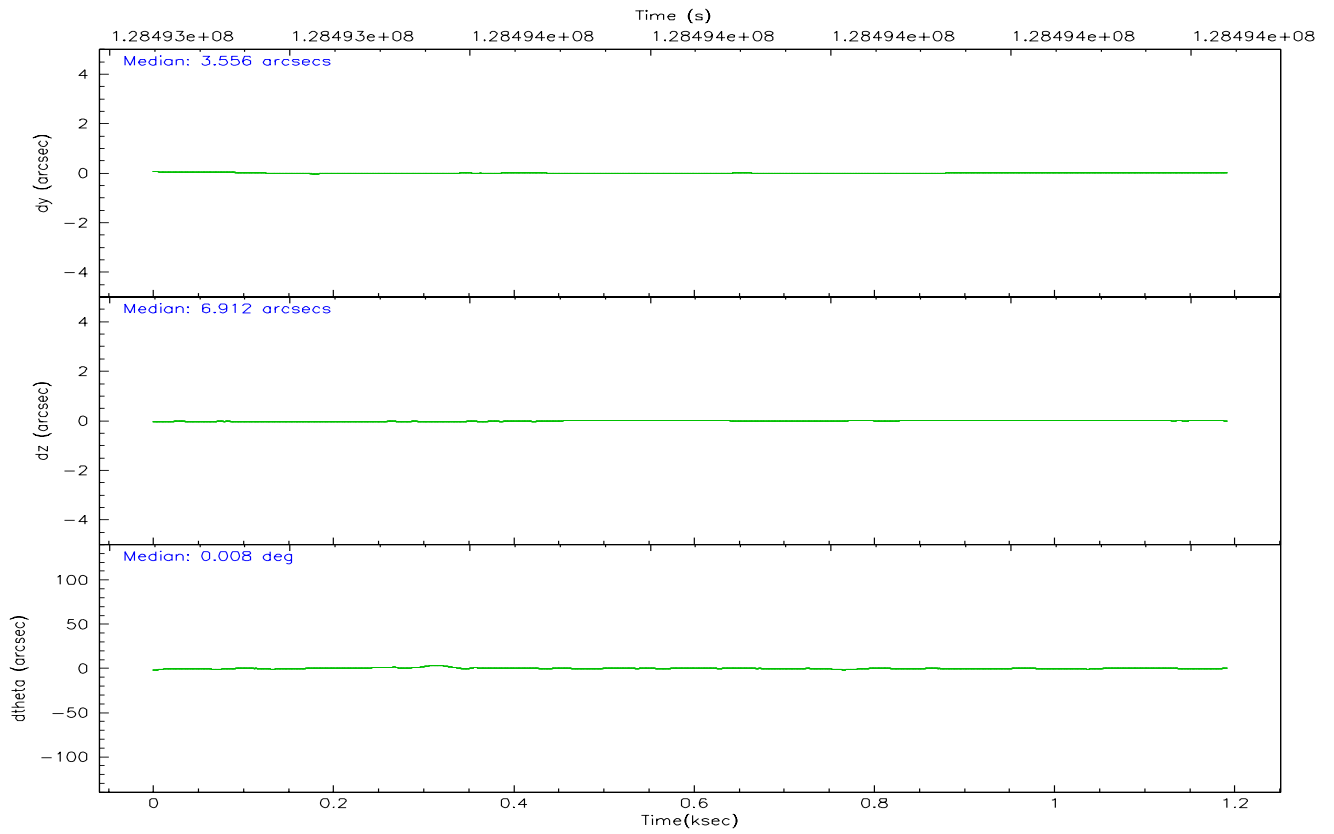
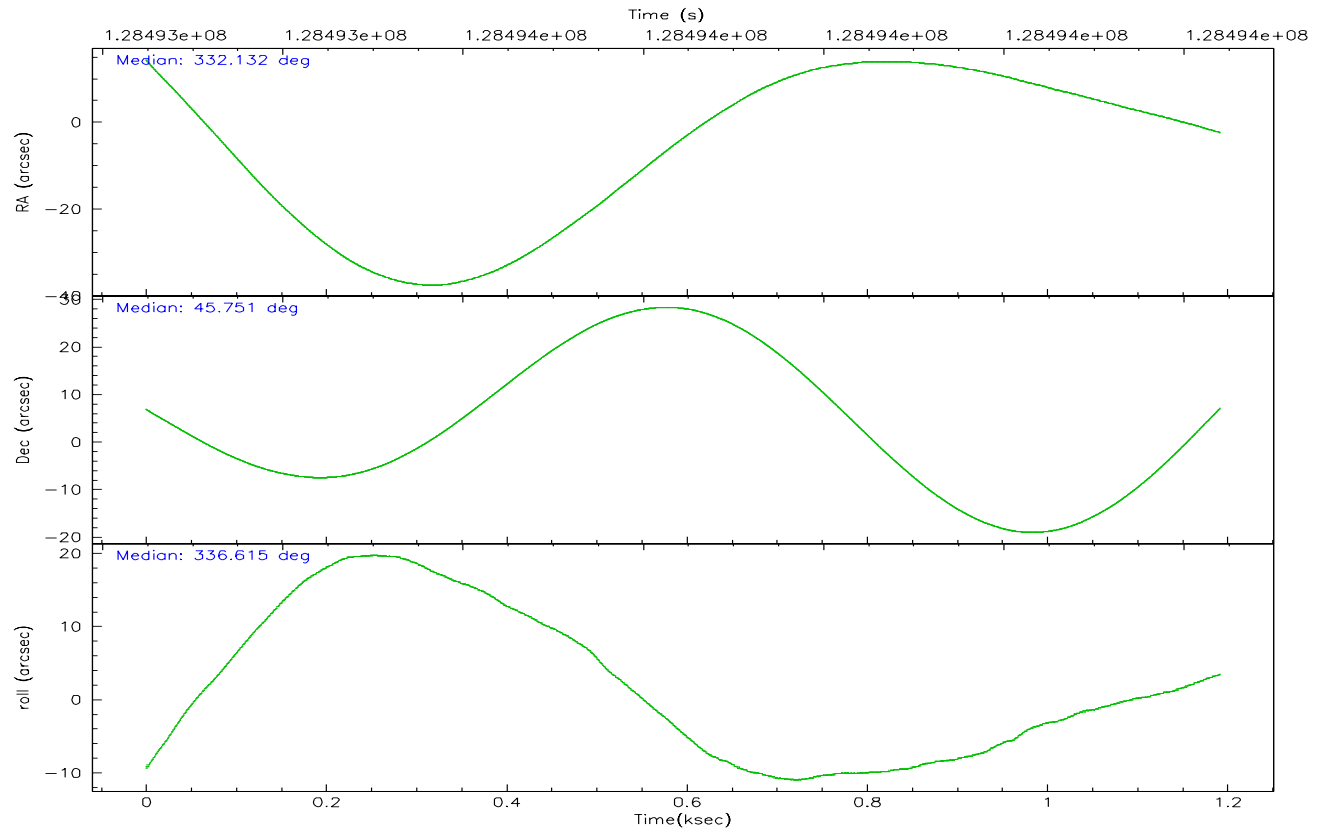
	<b>segment 0</b>
level 1 events	68134
rejected events	14208
rejected %	20%

## 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	332.091796	332.1299205307201			
Pointing Dec	45.748731	45.75135776418717			
Pointing Roll	336.744697	336.6218727311976			
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	128493439.184000	128493063.65287			
Observation start date	2002-01-27T04:36:15	2002-01-27T04:31:03			
Observation end time	128494439.184000	128494573.47793			
Observation end date	2002-01-27T04:52:55	2002-01-27T04:56:13			

## 2.3 Aspect





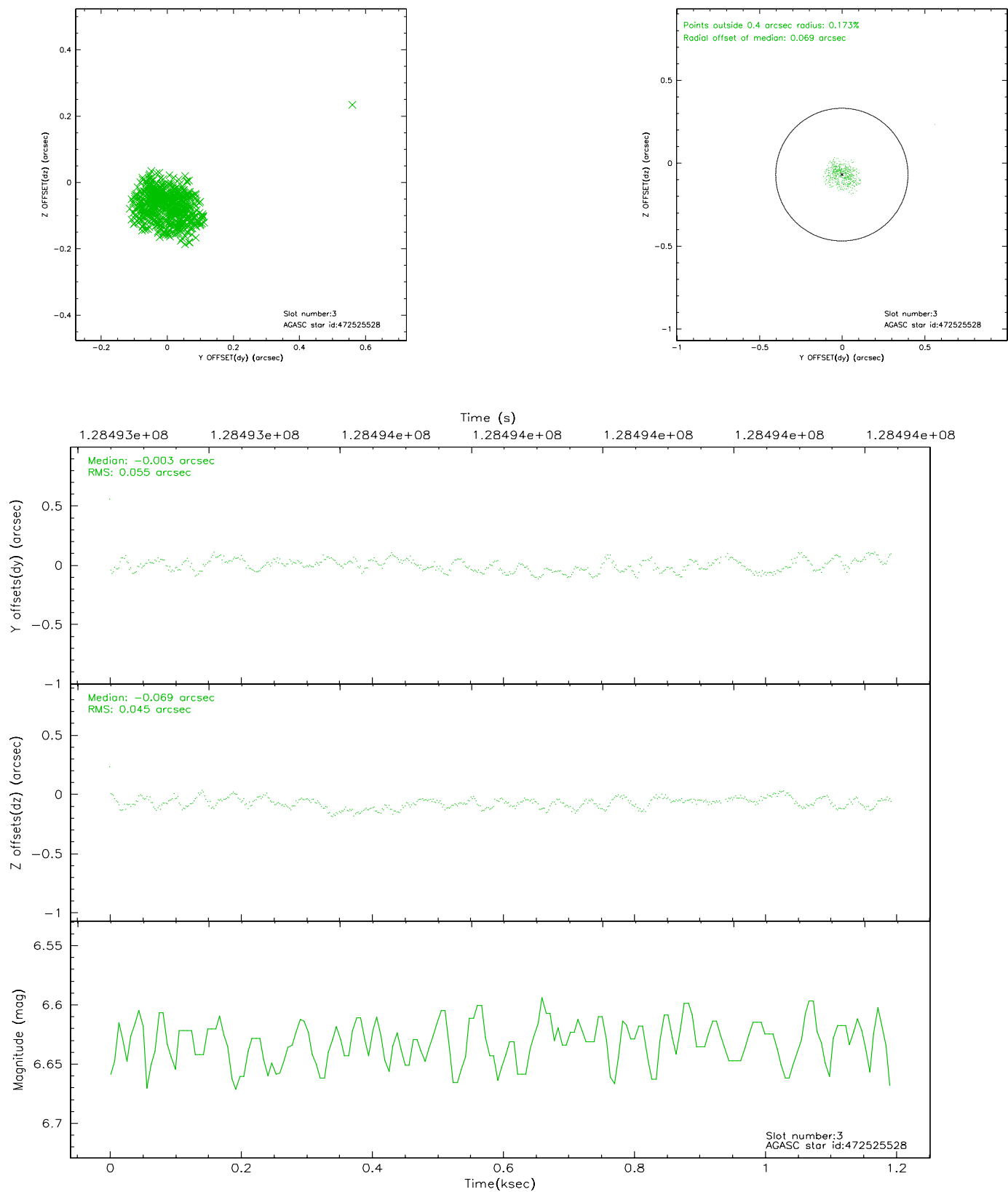
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	291	0.027	0.032	0.007	0.012	0.000000	0.000000	-759.00	-1294.78
1	FID	HRC-I-2	7.00	291	0.077	-0.072	0.006	0.010	0.000000	0.000000	851.07	-1300.88
2	FID	HRC-I-3	7.05	291	0.014	-0.050	0.006	0.013	0.000000	0.000000	-1184.61	1005.23
3	GUIDE	472525528	6.63	579	-0.003	-0.069	0.073	0.106	331.551102	45.248694	-550.41	-2187.41
4	GUIDE	472535576	7.85	583	-0.079	0.005	0.059	0.107	331.438373	46.291802	-2269.72	1160.12
5	GUIDE	472536328	8.12	583	-0.071	0.069	0.067	0.114	331.496671	46.454831	-2366.76	1763.10
6	GUIDE	472659832	9.46	583	0.092	0.026	0.125	0.196	332.780399	46.098139	1074.95	1847.89
7	GUIDE	472654568	9.44	582	0.056	-0.031	0.121	0.190	332.194449	45.063576	1215.20	-2156.16

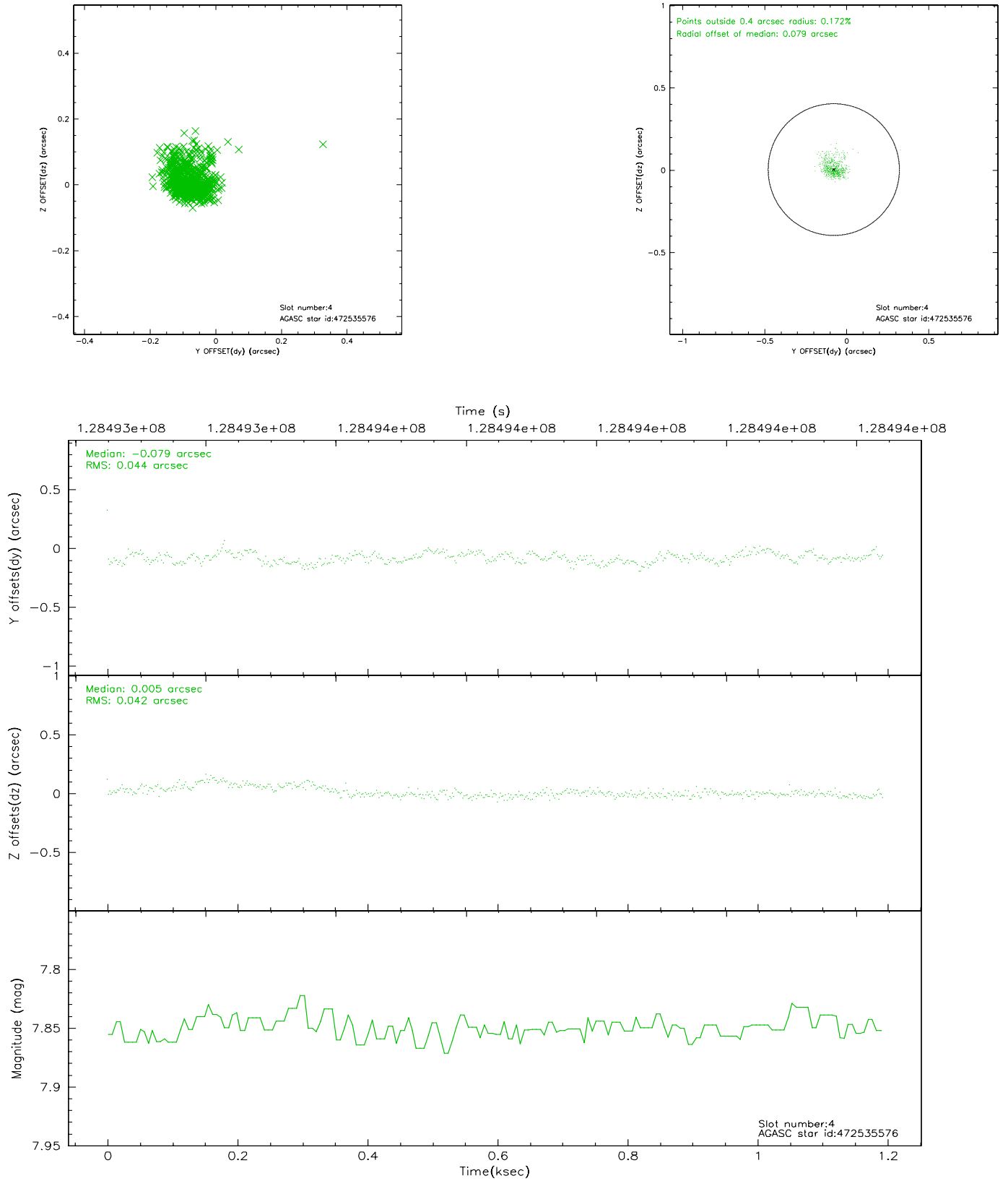


## 2.4 Star Slots

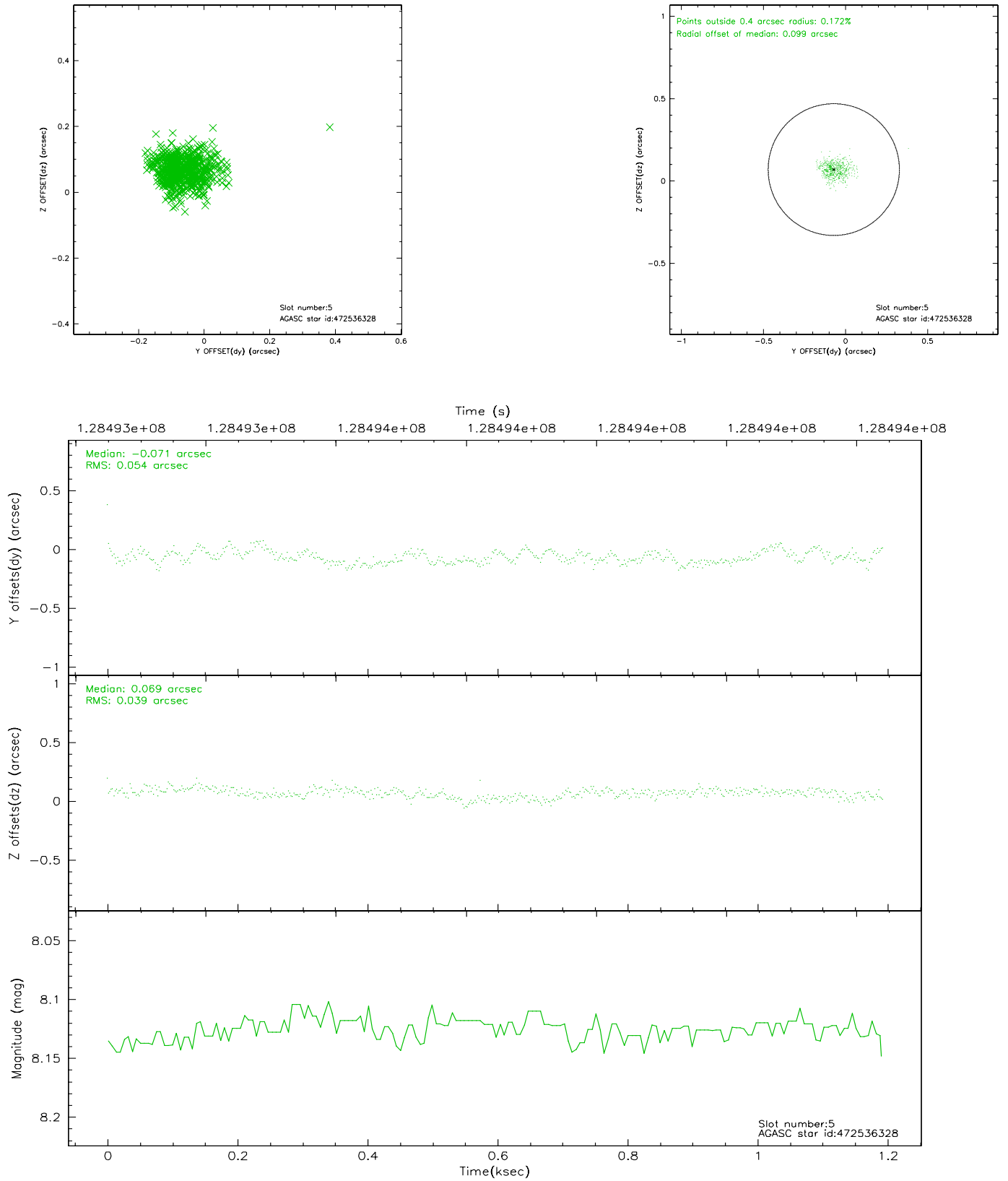
### 2.4.1 Slot 3



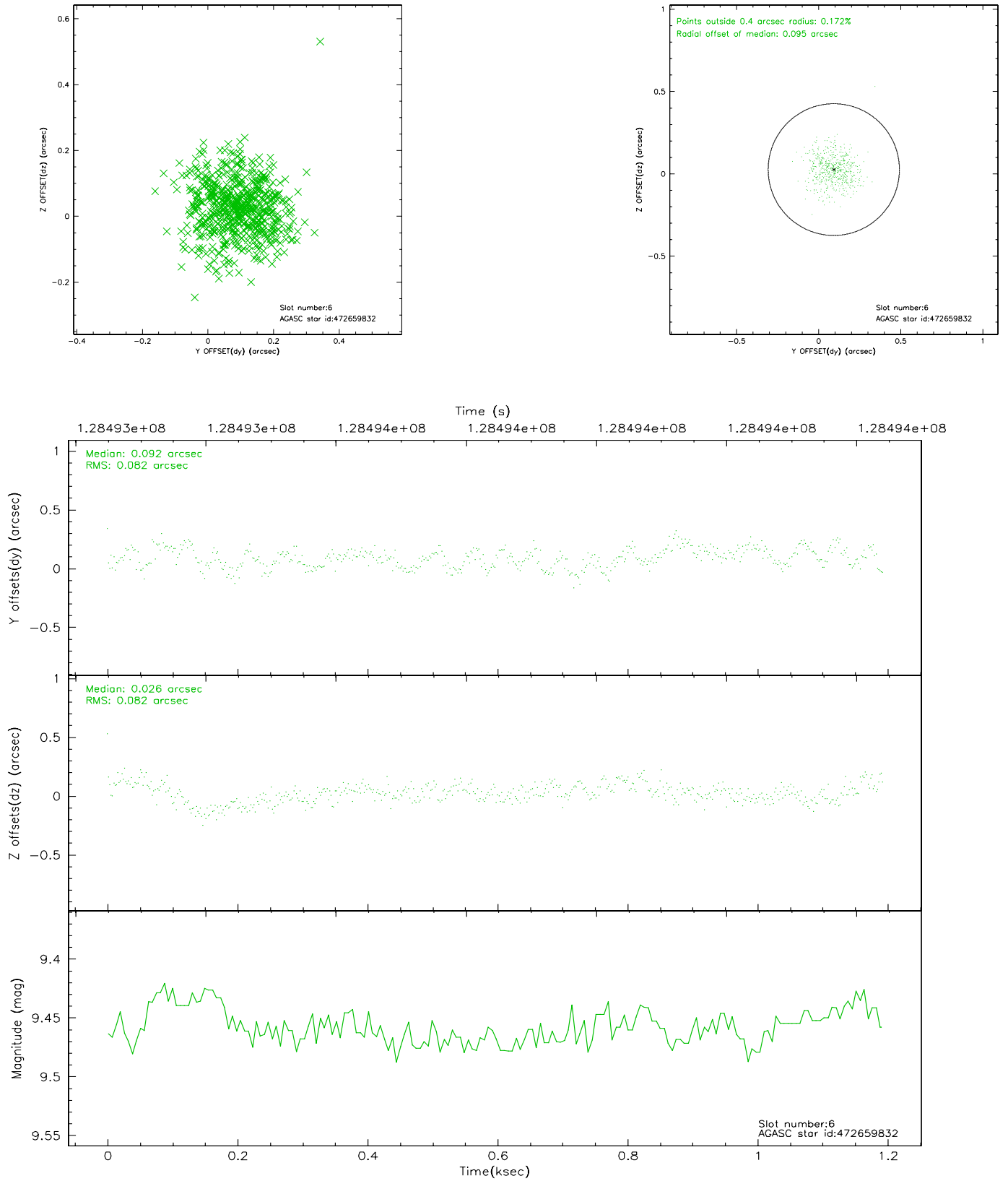
## 2.4.2 Slot 4



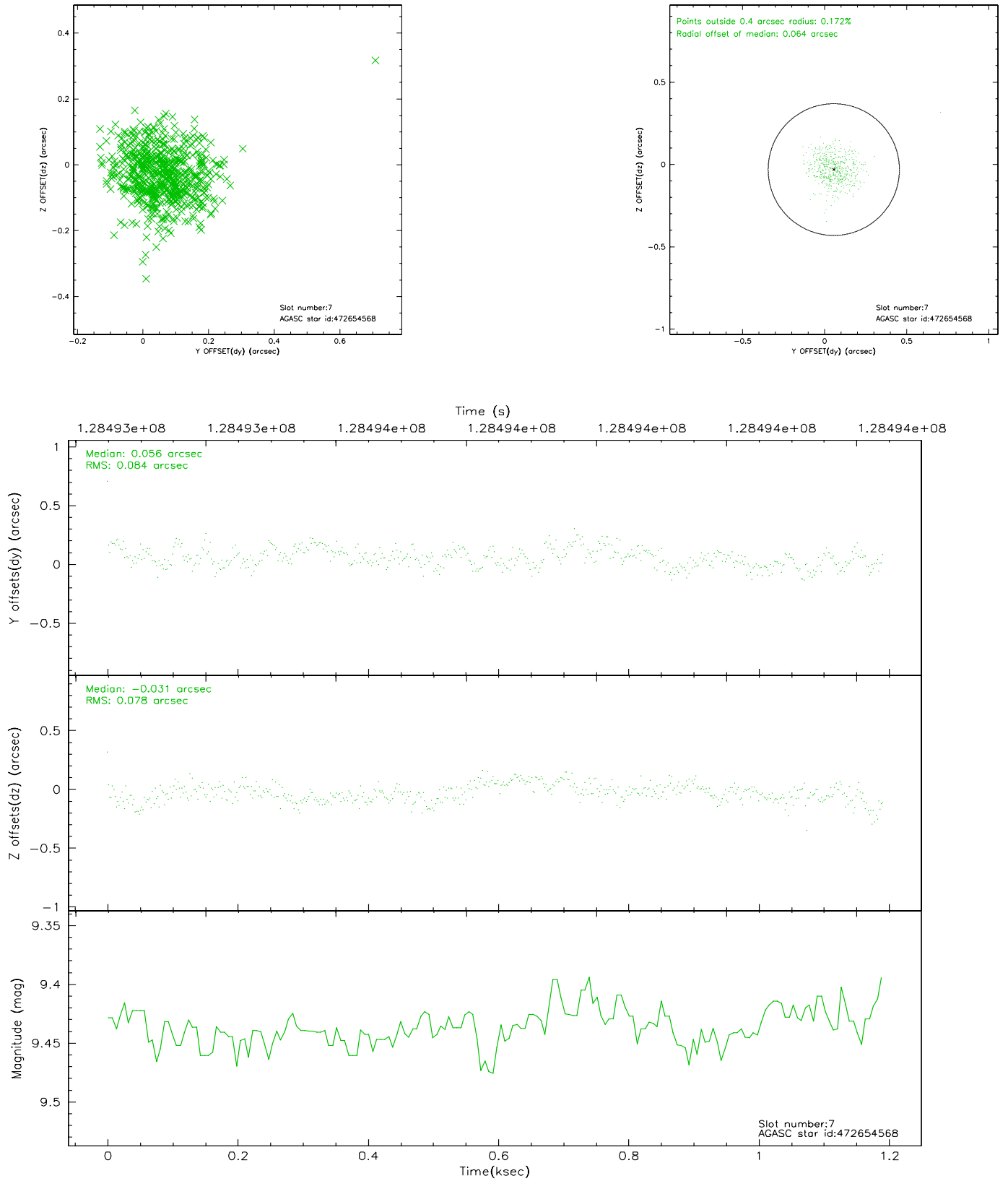
### 2.4.3 Slot 5



## 2.4.4 Slot 6

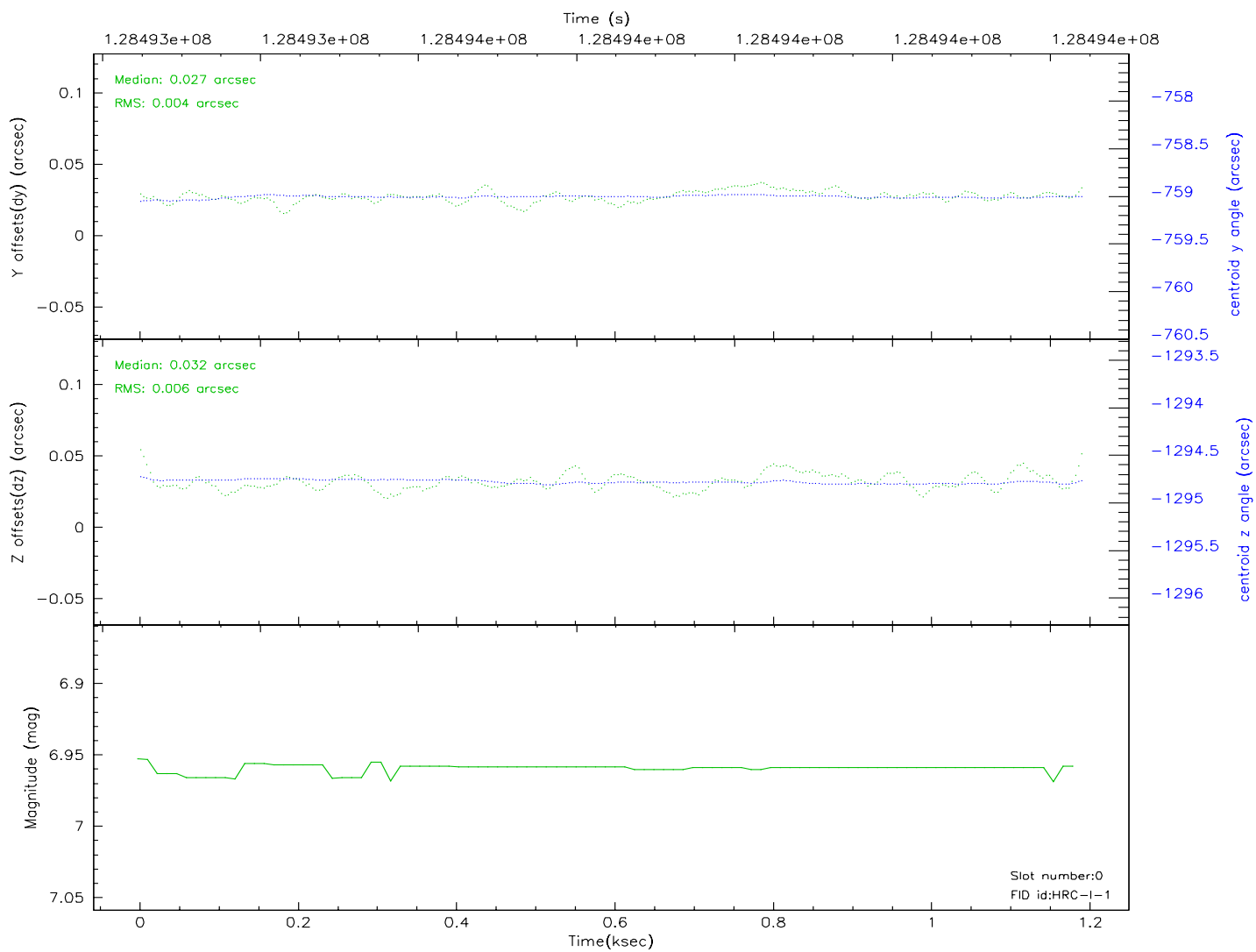
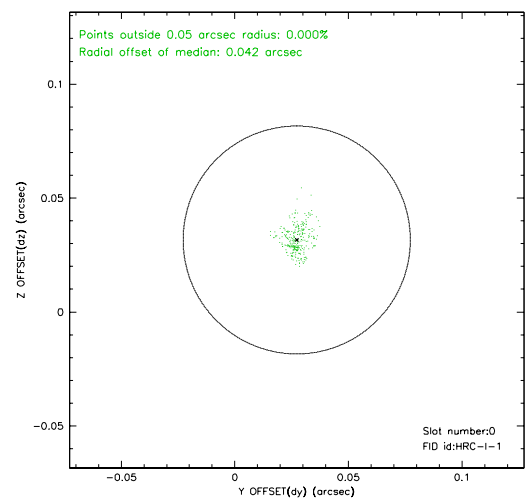
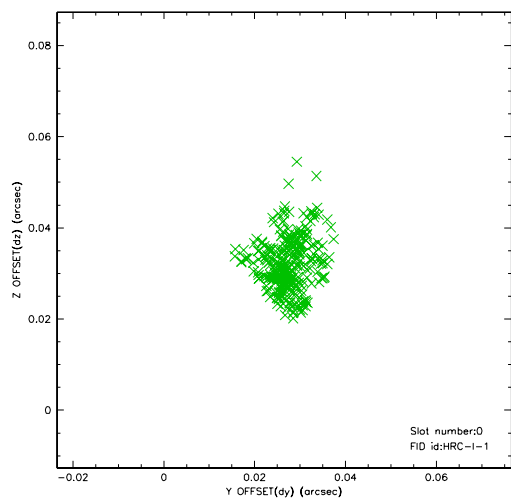


## 2.4.5 Slot 7

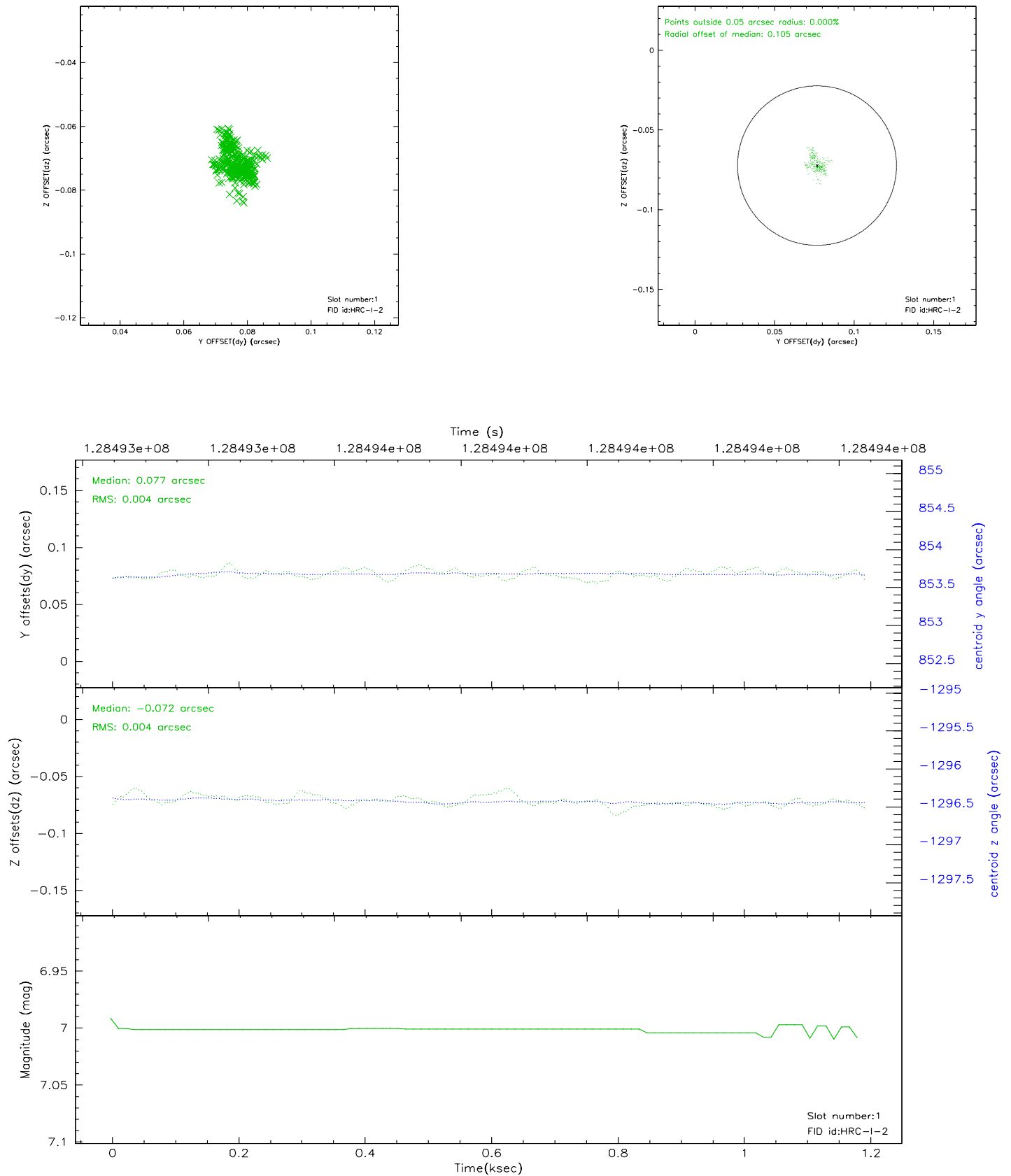


## 2.5 FID Slots

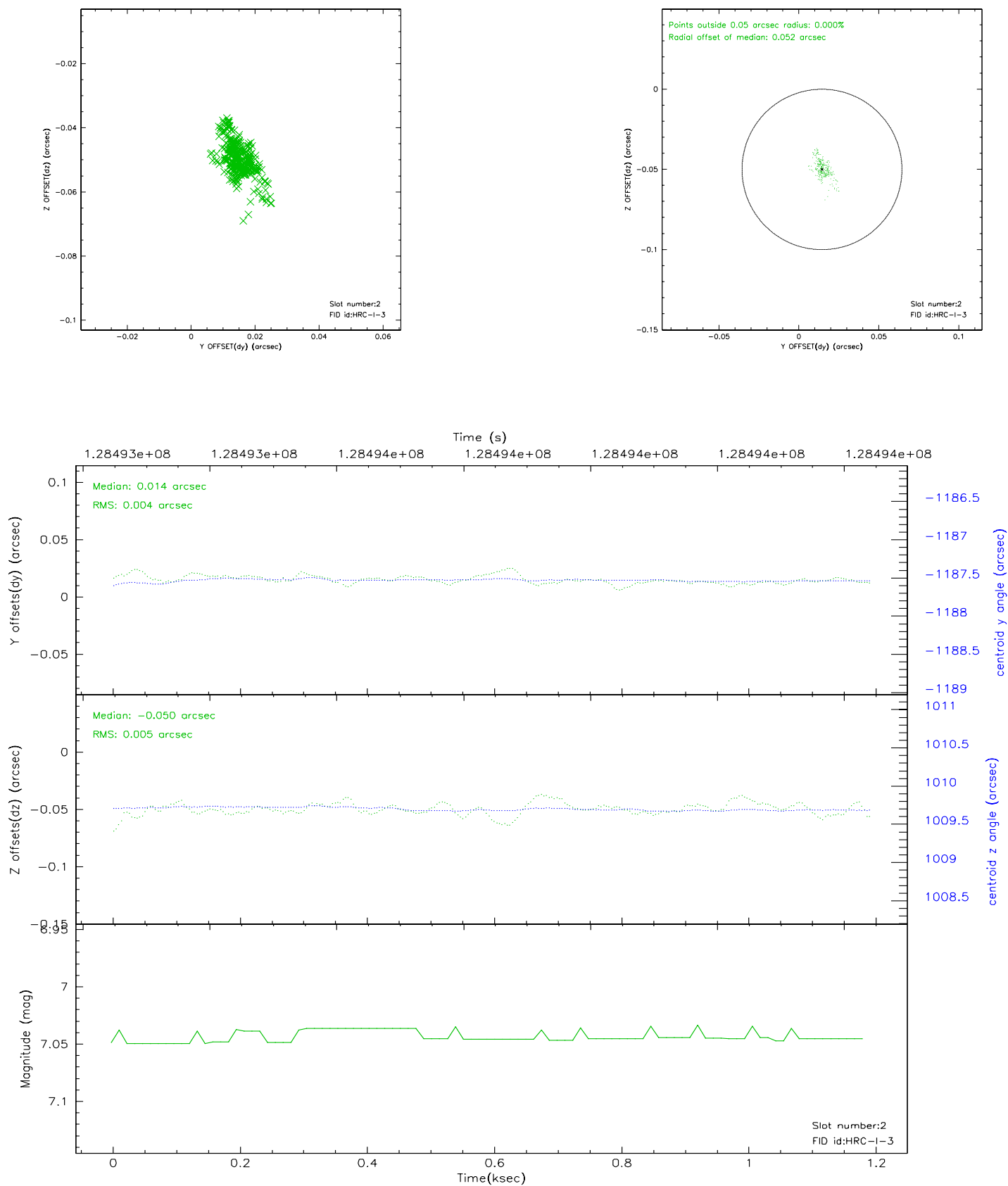
### 2.5.1 Slot 0



## 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)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

## 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.