

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2613 - L2 Version 3  
Chandra X-Ray Center

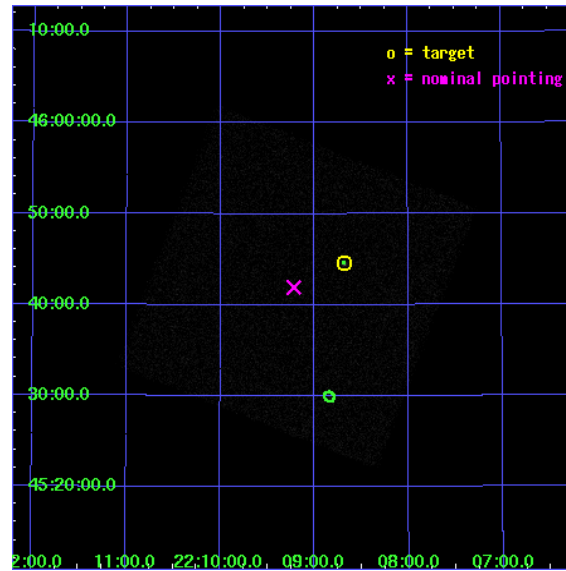
L2 Processing Date : Nov 21 2007

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# 1 Front

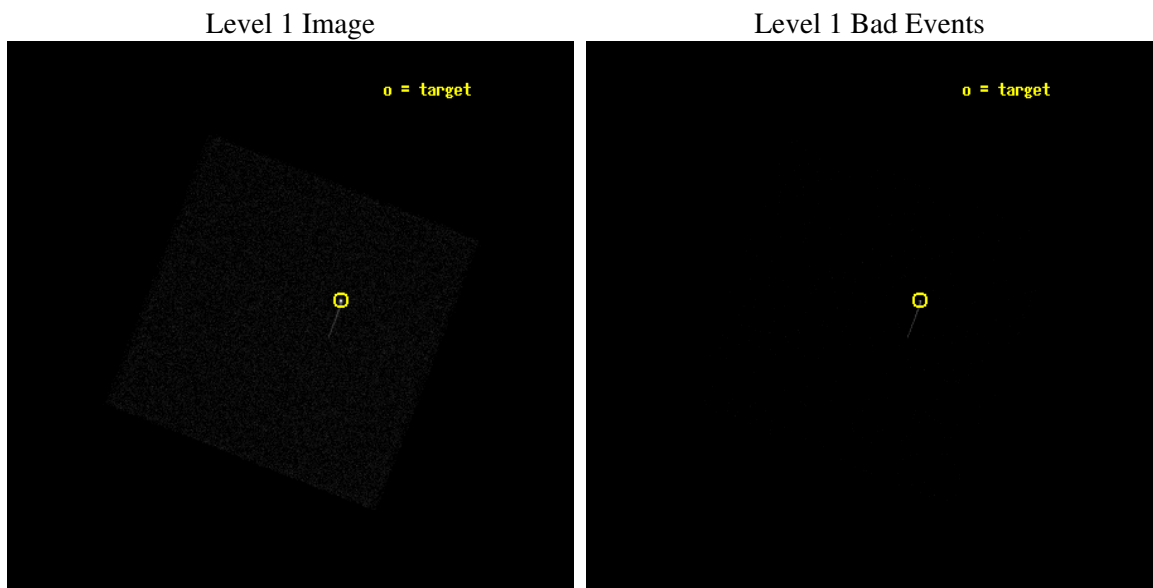
seq_num	290169
obs_id	2613
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.30465649876
dec_nom	45.698811328481
roll_nom	336.37552200749
revision	3
ontime	1194.1250481308
livetime	1187.4744071774
l2events	37512



## 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	2007-11-21T17:37:39
revision	3

sched_exp_time	1000.000000
ontime	1194.1250481308
l1events	68064

### 2.1.3 Events

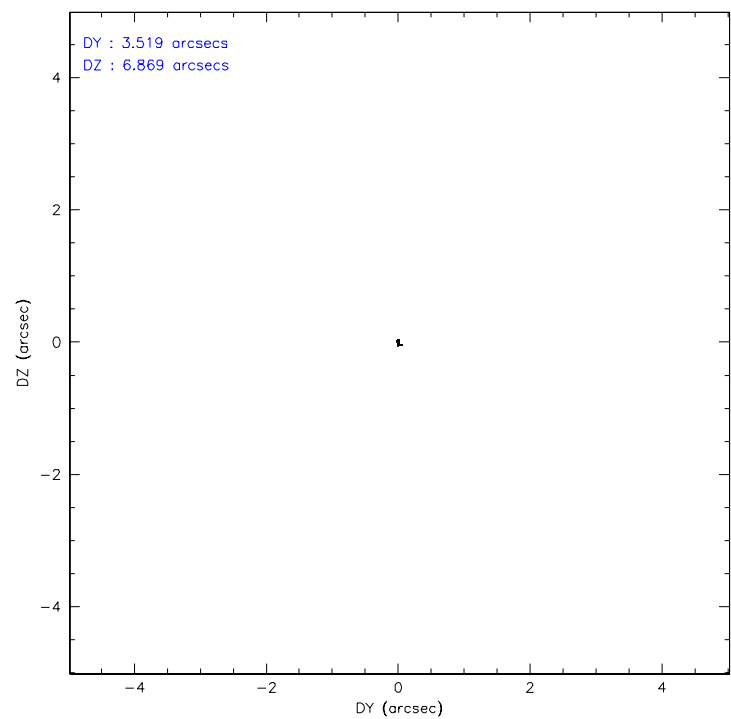
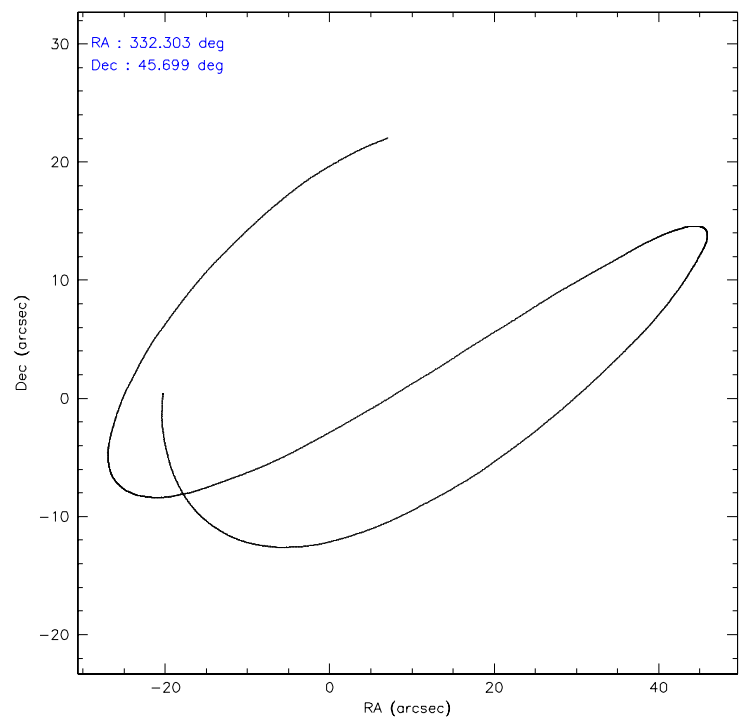
#### Level 1 Events

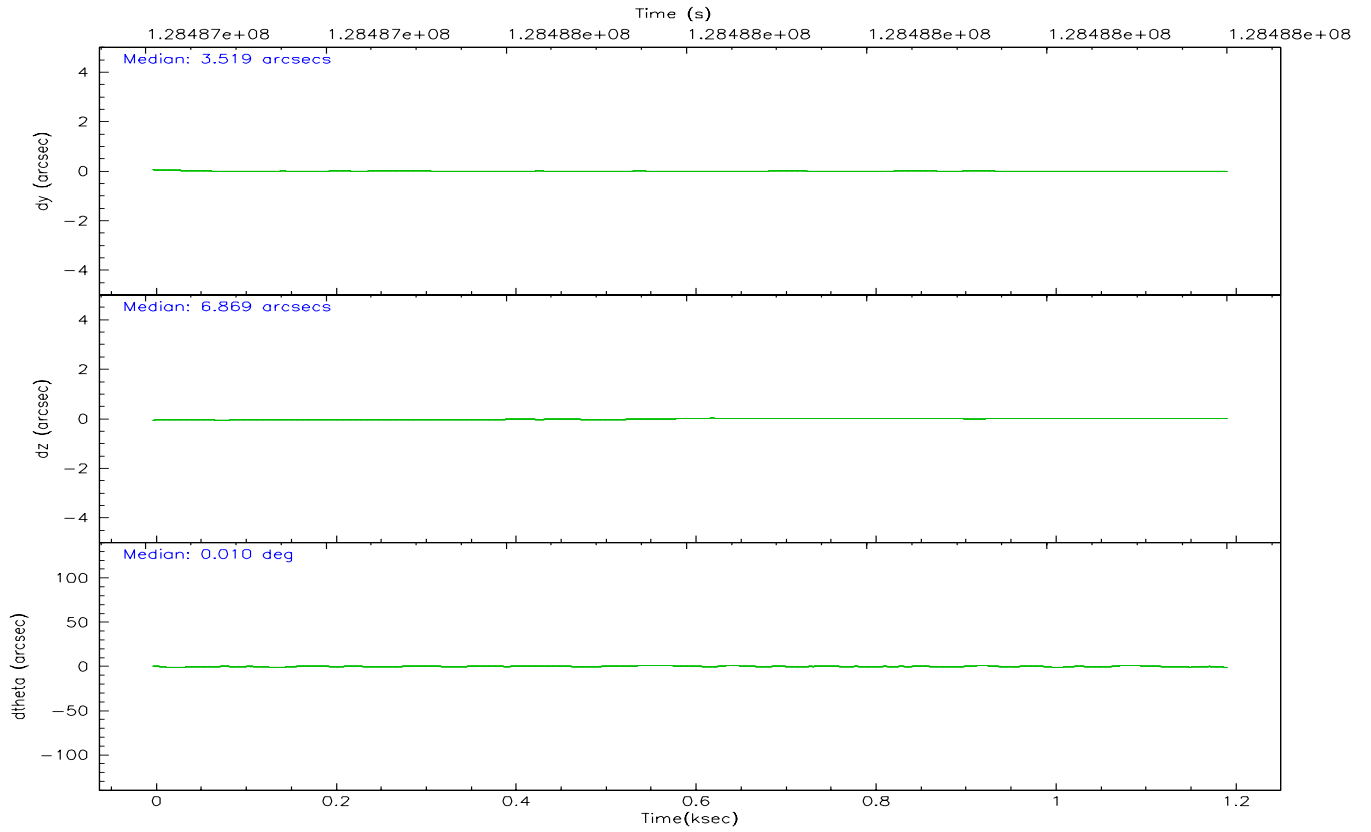
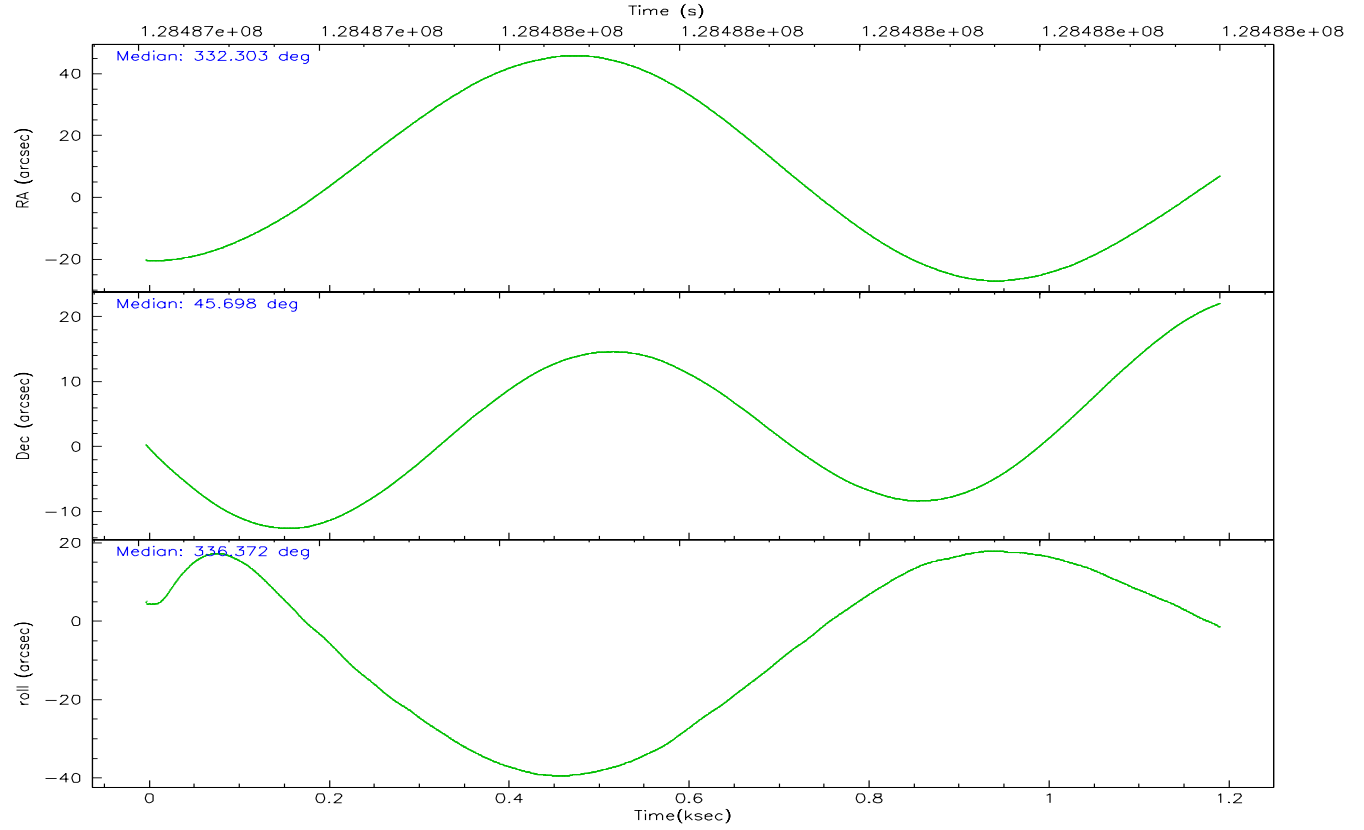
	<b>segment 0</b>
level 1 events	68064
rejected events	14158
rejected %	20%

## 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	332.267050	332.3046564987626			
Pointing Dec	45.695809	45.69881132848113			
Pointing Roll	336.498047	336.3755220074893			
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	128487399.184000	128487023.32762			
Observation start date	2002-01-27T02:55:35	2002-01-27T02:50:23			
Observation end time	128488399.184000	128488533.15268			
Observation end date	2002-01-27T03:12:15	2002-01-27T03:15:33			

2.3 Aspect





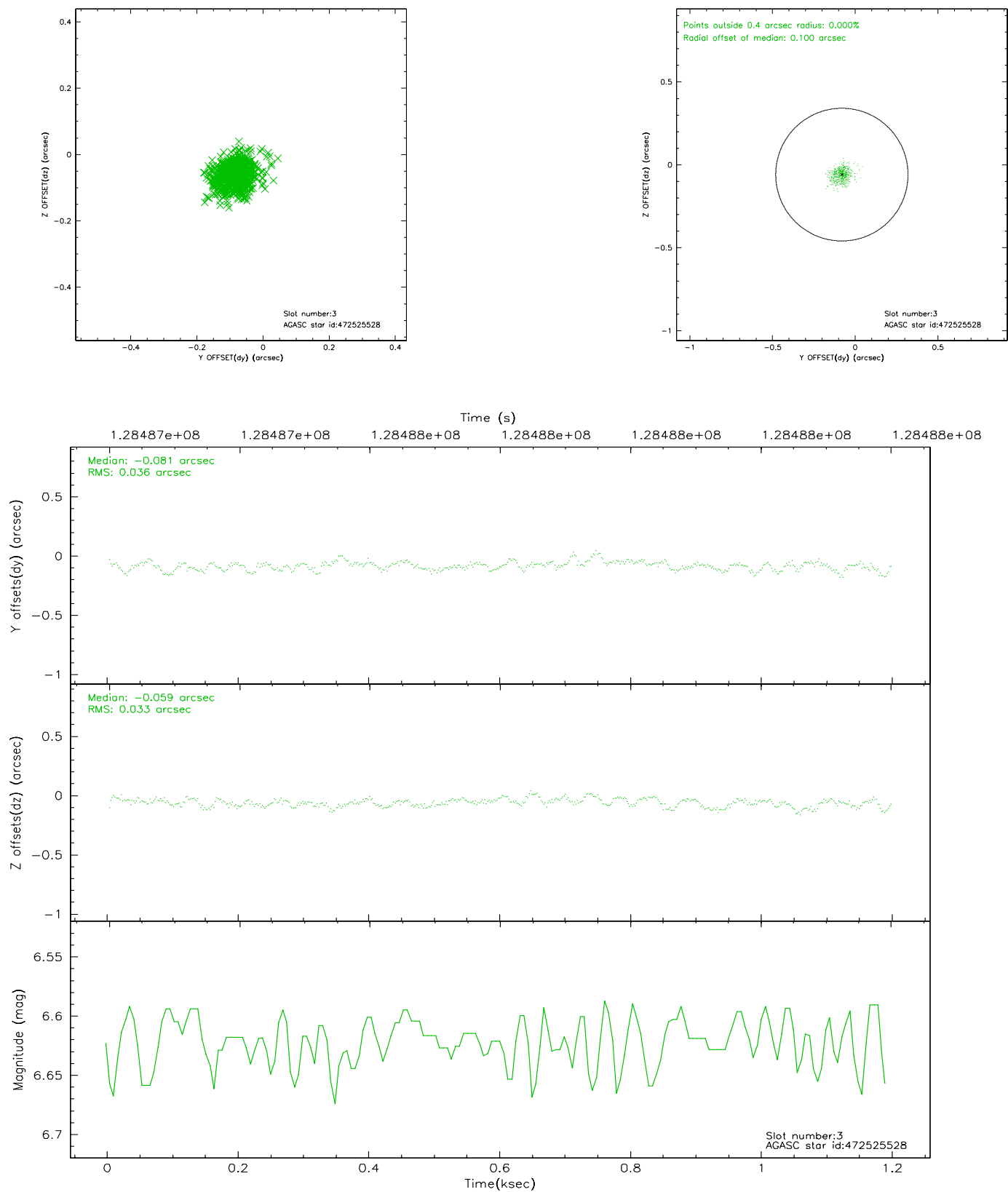
### Slot Statistics

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	292	0.040	0.023	0.005	0.010	0.000000	0.000000	-759.00	-1294.71
1	FID	HRC-I-2	7.00	292	0.090	-0.022	0.006	0.012	0.000000	0.000000	851.09	-1300.79
2	FID	HRC-I-4	6.99	292	-0.014	-0.093	0.005	0.009	0.000000	0.000000	1286.70	1002.84
3	GUIDE	472525528	6.62	584	-0.081	-0.059	0.052	0.086	331.551102	45.248694	-1023.99	-2190.18
4	GUIDE	472523760	8.23	584	-0.086	-0.143	0.062	0.100	331.645363	45.403260	-1023.87	-1588.61
5	GUIDE	472659832	9.47	581	-0.050	0.084	0.101	0.148	332.780399	46.098139	595.29	1842.75
6	GUIDE	472655152	9.43	583	0.019	0.085	0.091	0.151	332.504239	45.862991	307.19	795.38
7	GUIDE	472646552	9.65	583	0.189	0.022	0.093	0.154	333.120915	45.571877	2148.56	463.38

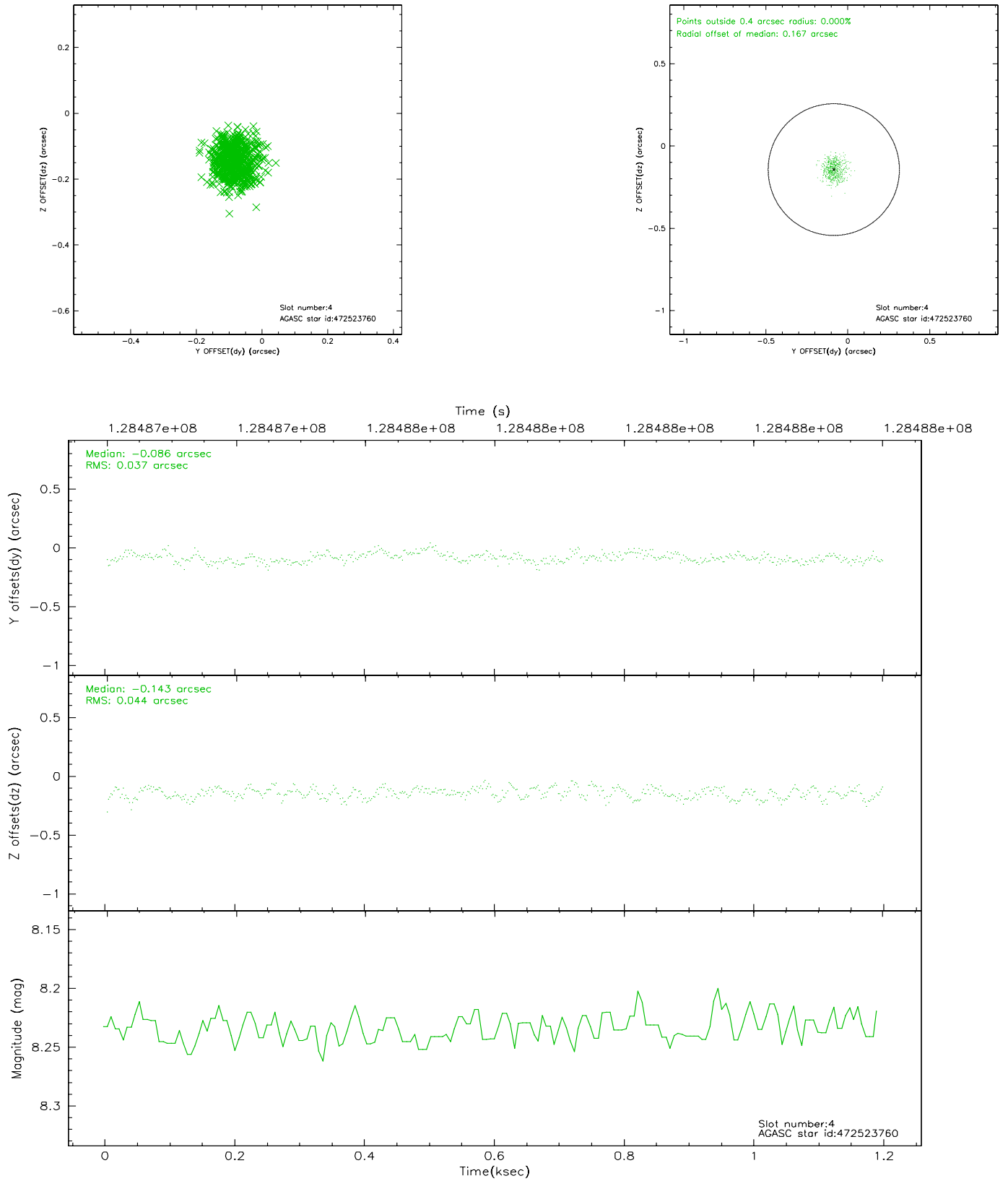


## 2.4 Star Slots

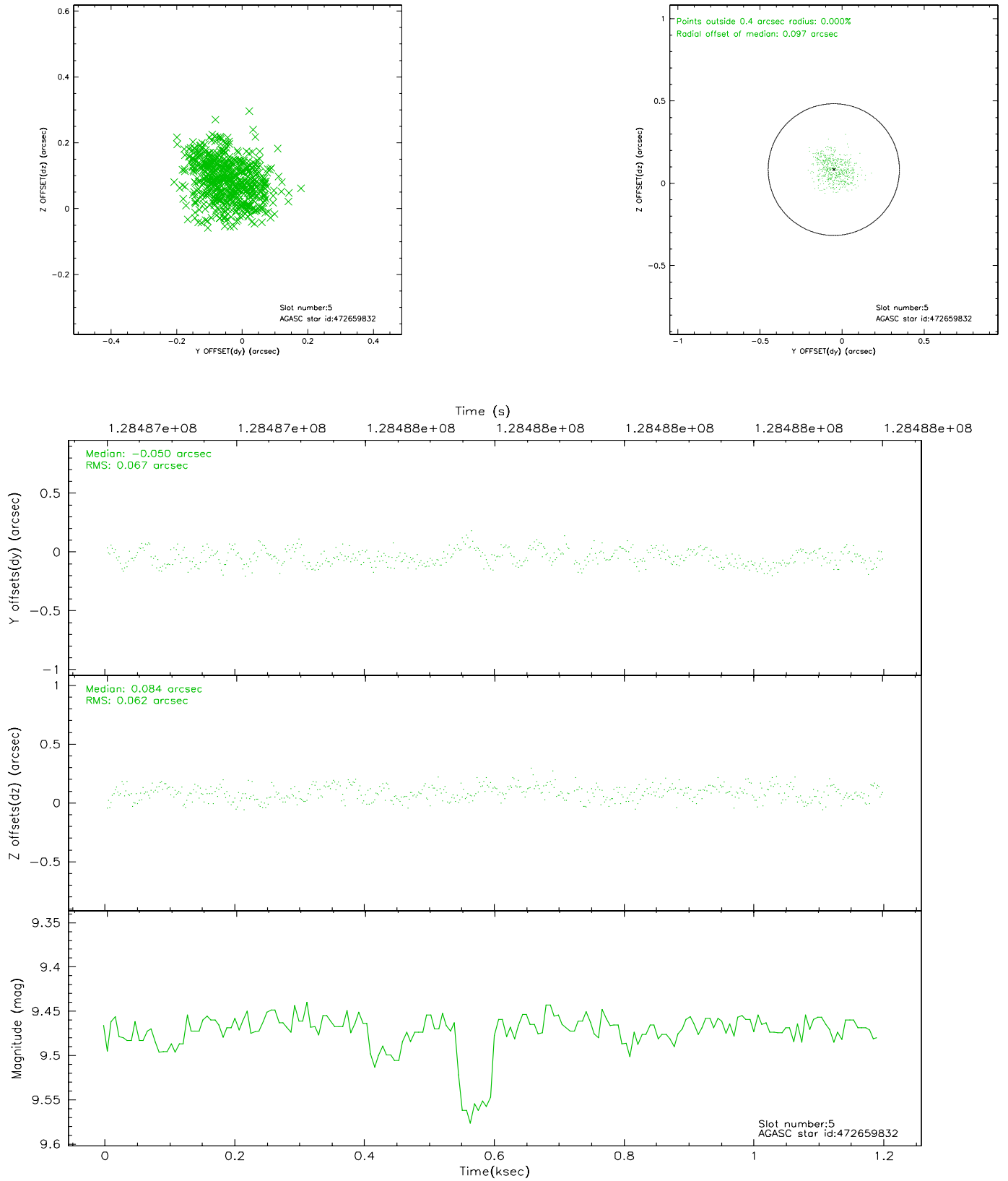
### 2.4.1 Slot 3



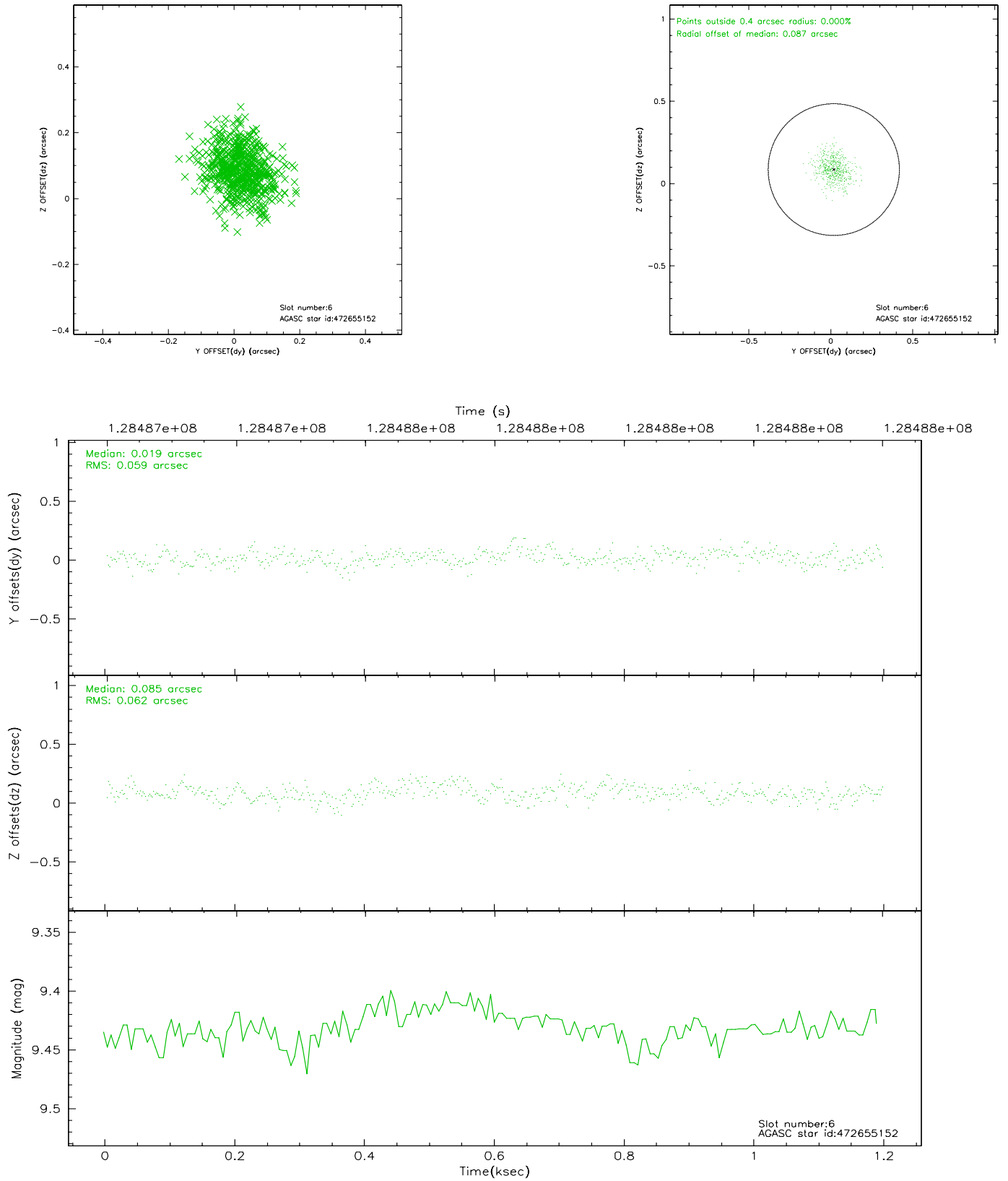
## 2.4.2 Slot 4



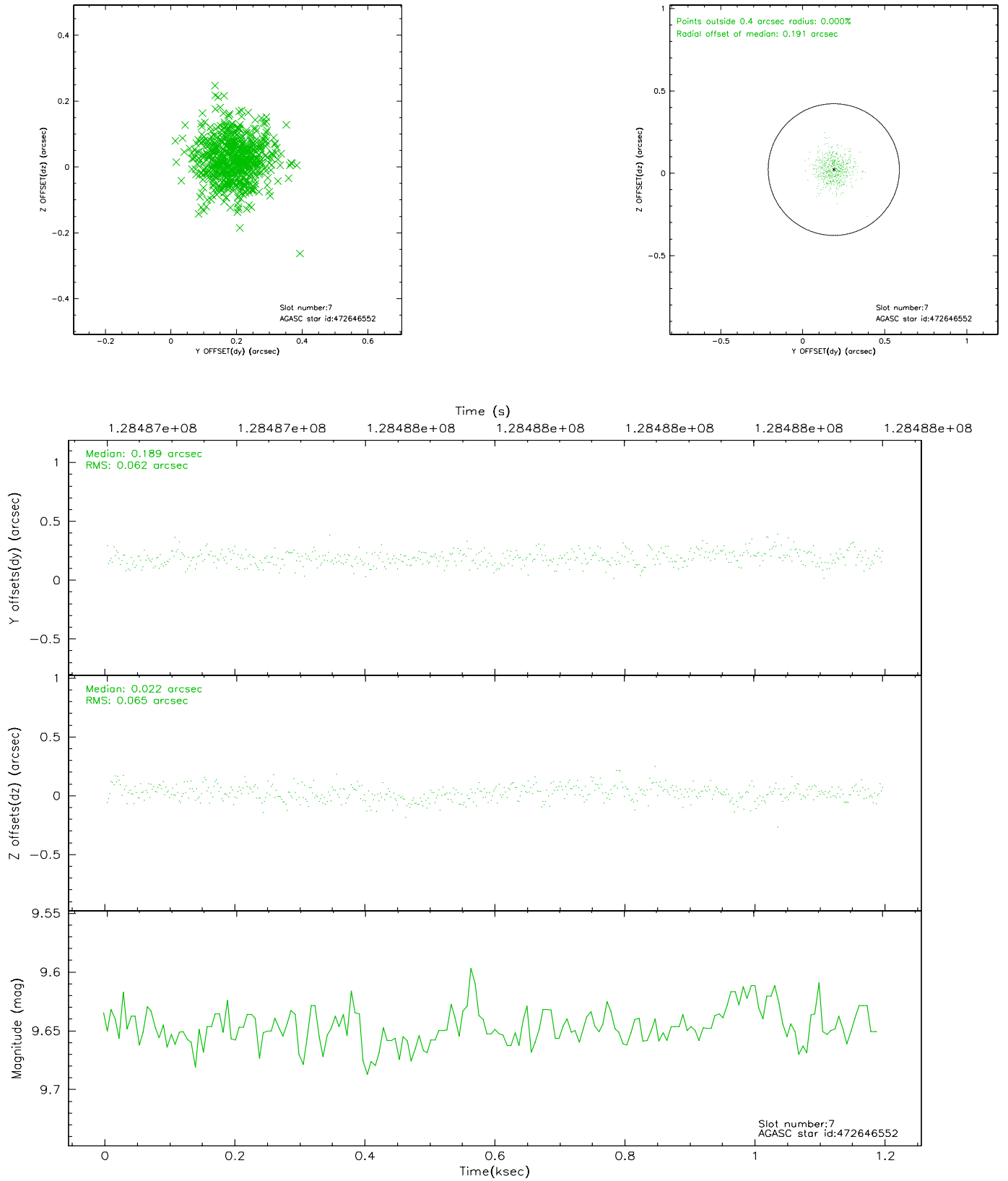
### 2.4.3 Slot 5



## 2.4.4 Slot 6

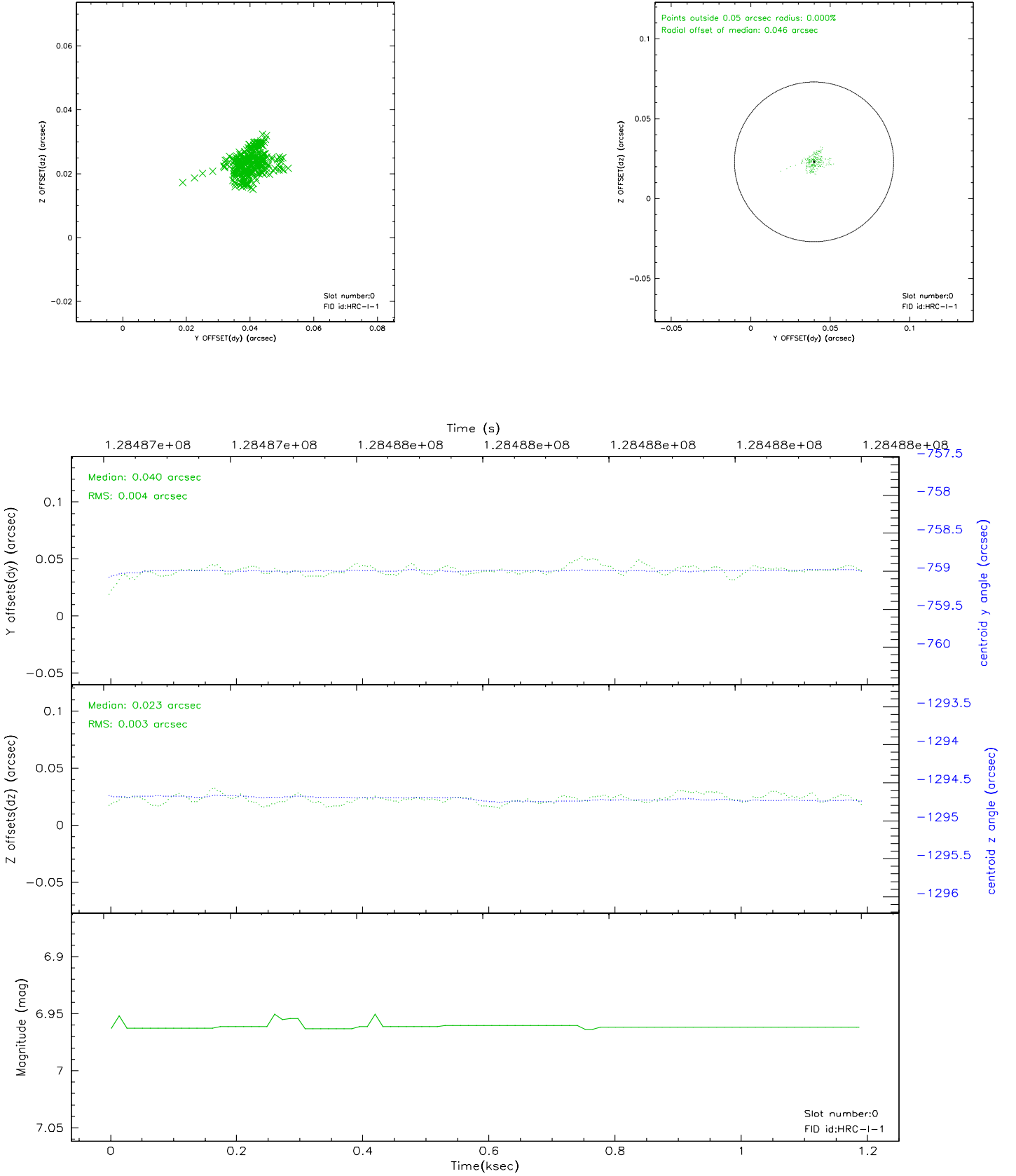


## 2.4.5 Slot 7

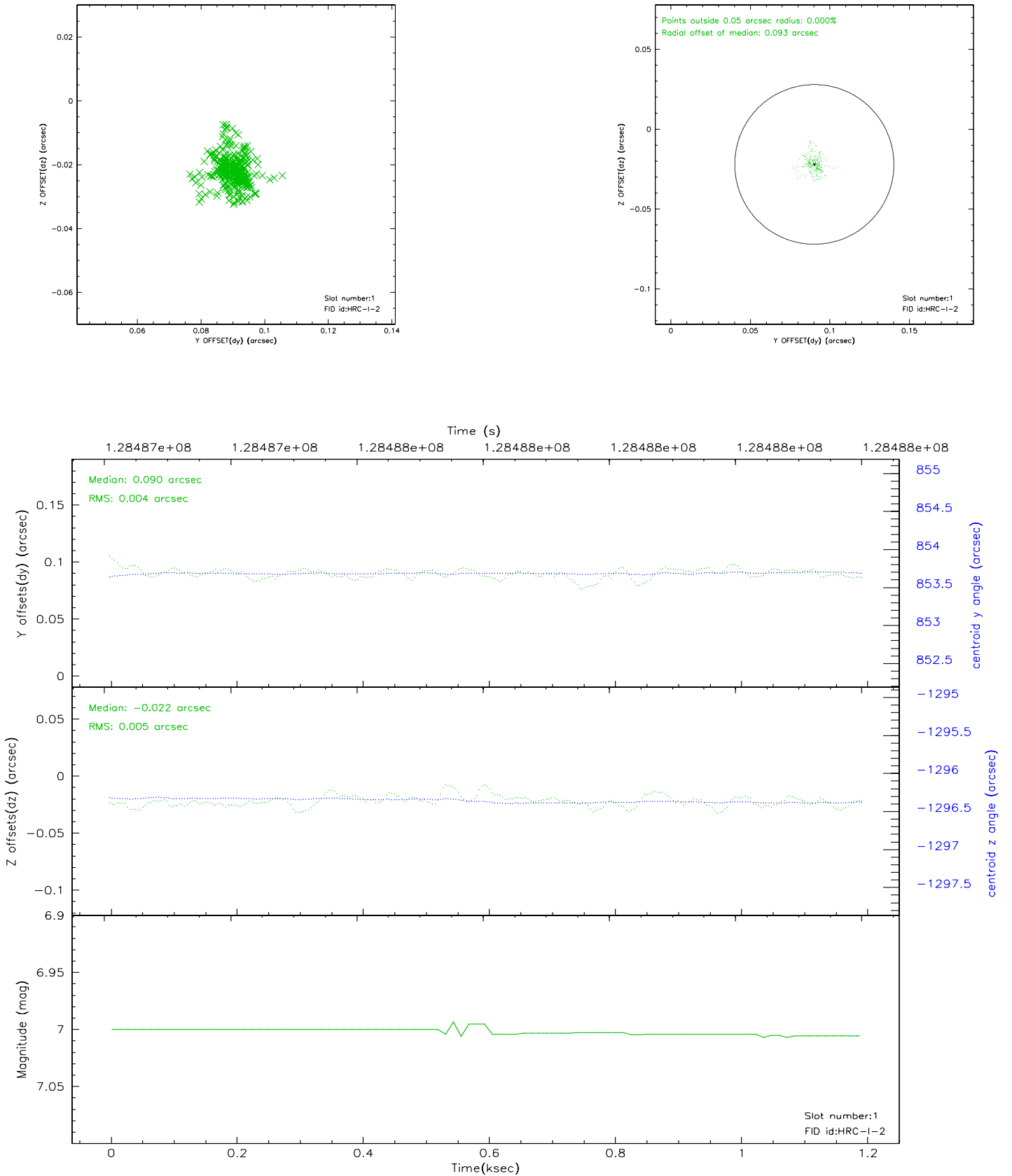


## 2.5 FID Slots

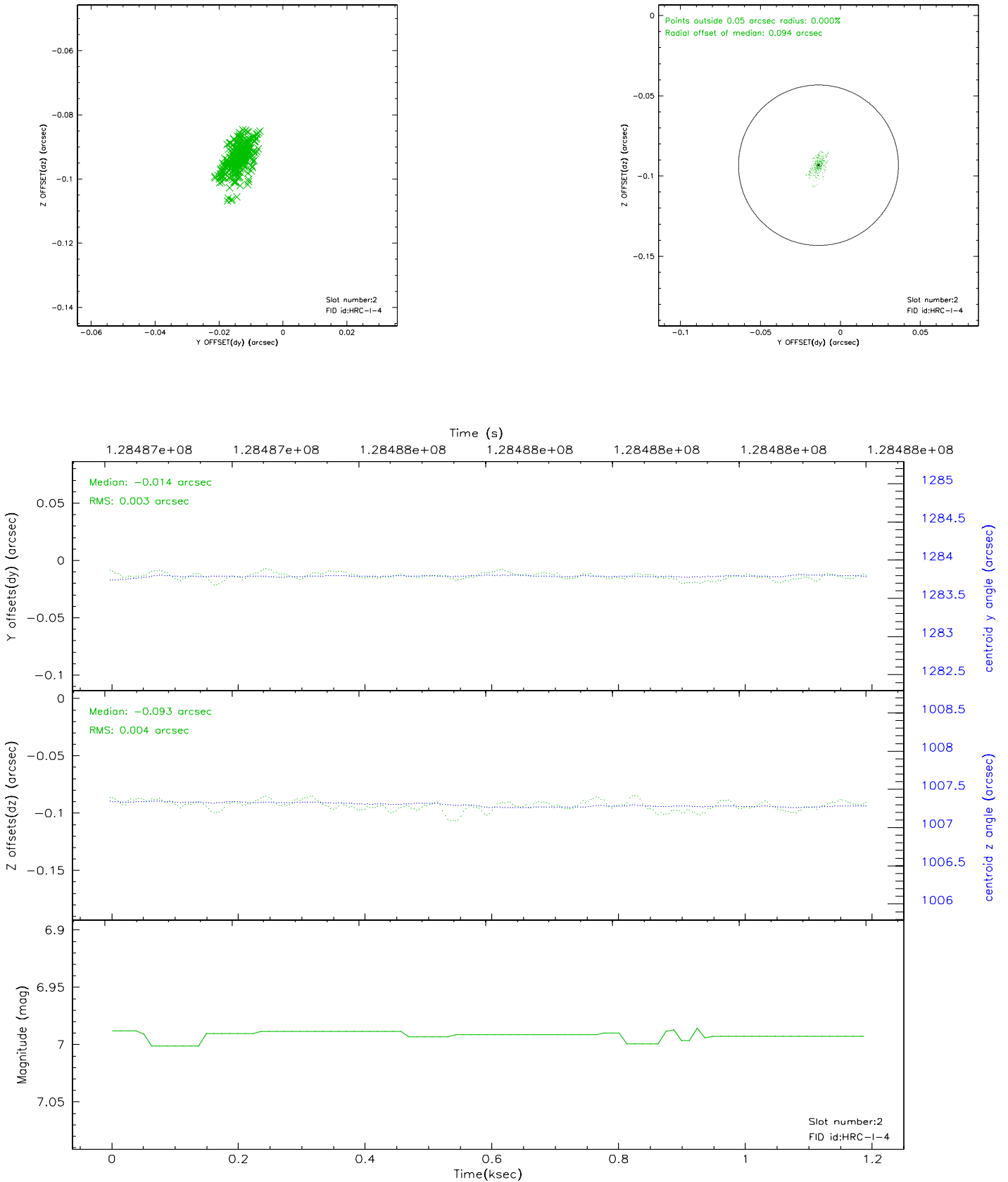
### 2.5.1 Slot 0



## 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	1.194

## A.2 Comments

Monitor constraint met.

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.