

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4309 - L2 Version 3  
Chandra X-Ray Center

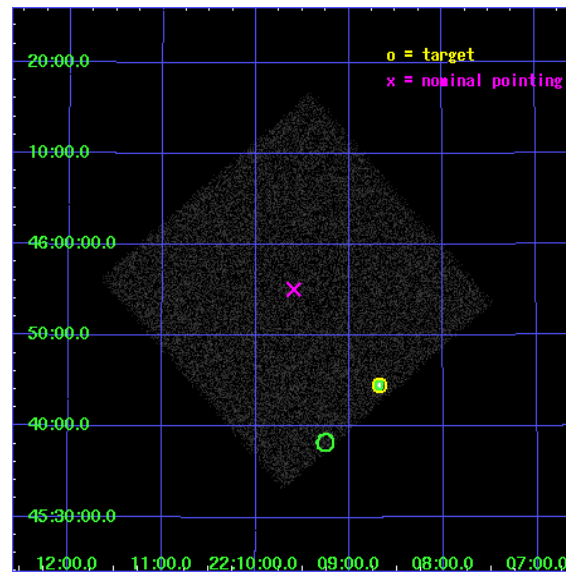
L2 Processing Date : Nov 22 2007

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# 1 Front

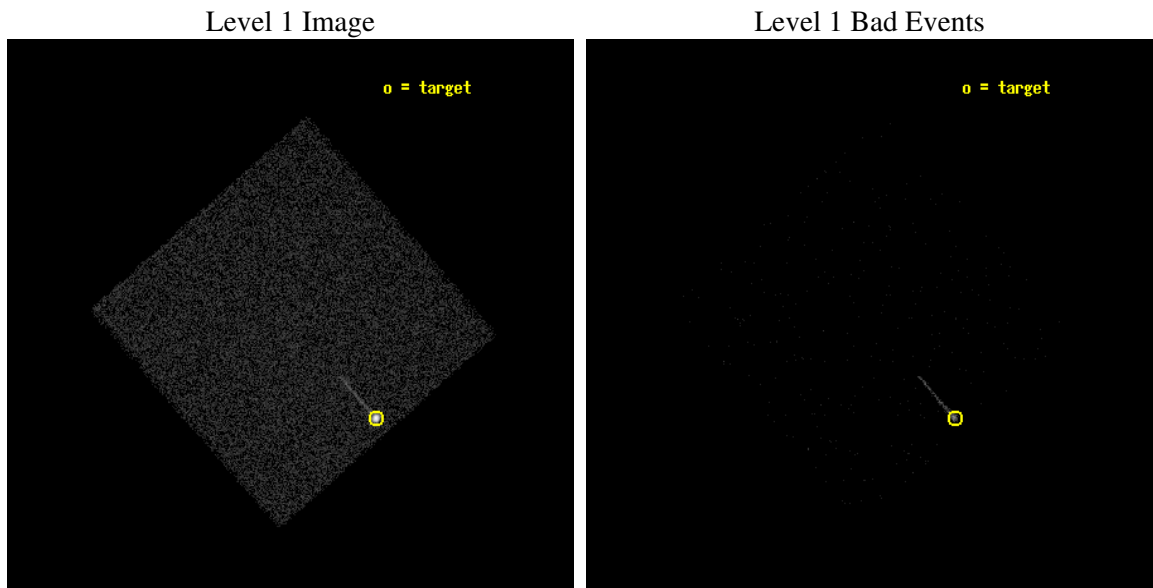
seq_num	290269
obs_id	4309
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.39819938671
dec_nom	45.918445901386
roll_nom	3.6924352583634
revision	3
ontime	1188.2312999666
livetime	1181.712295156
l2events	36637



## 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	2007-11-22T04:47:30
revision	3

sched_exp_time	1000.000000
ontime	1188.2312999666
l1events	67475

### 2.1.3 Events

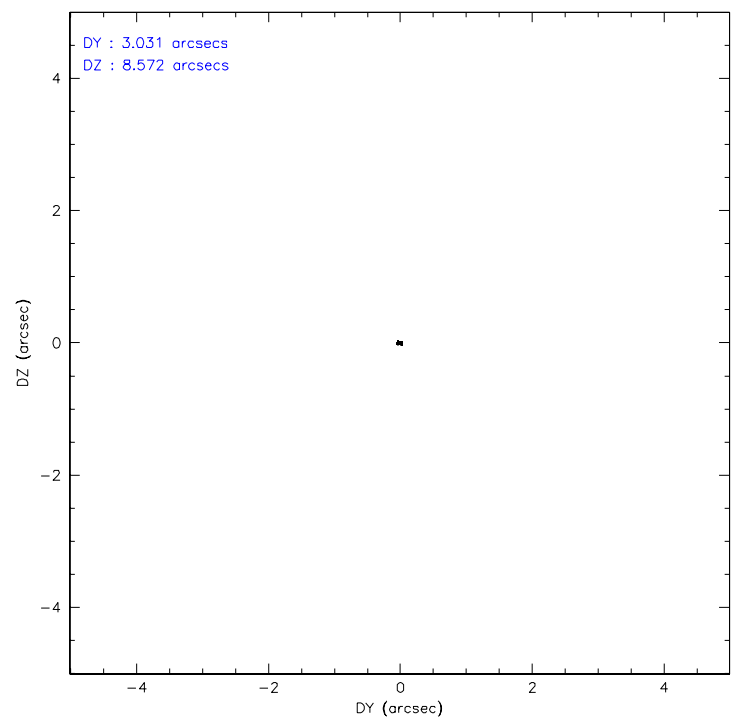
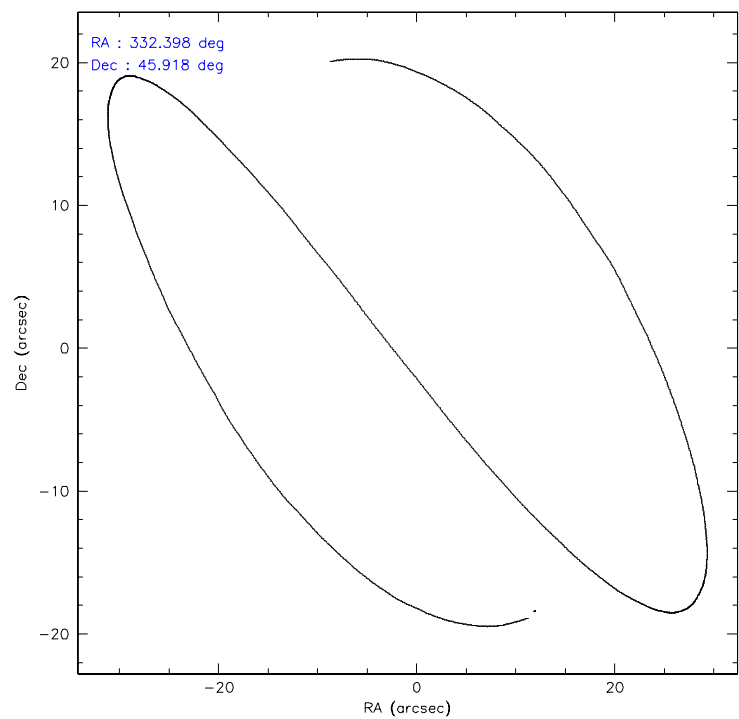
#### Level 1 Events

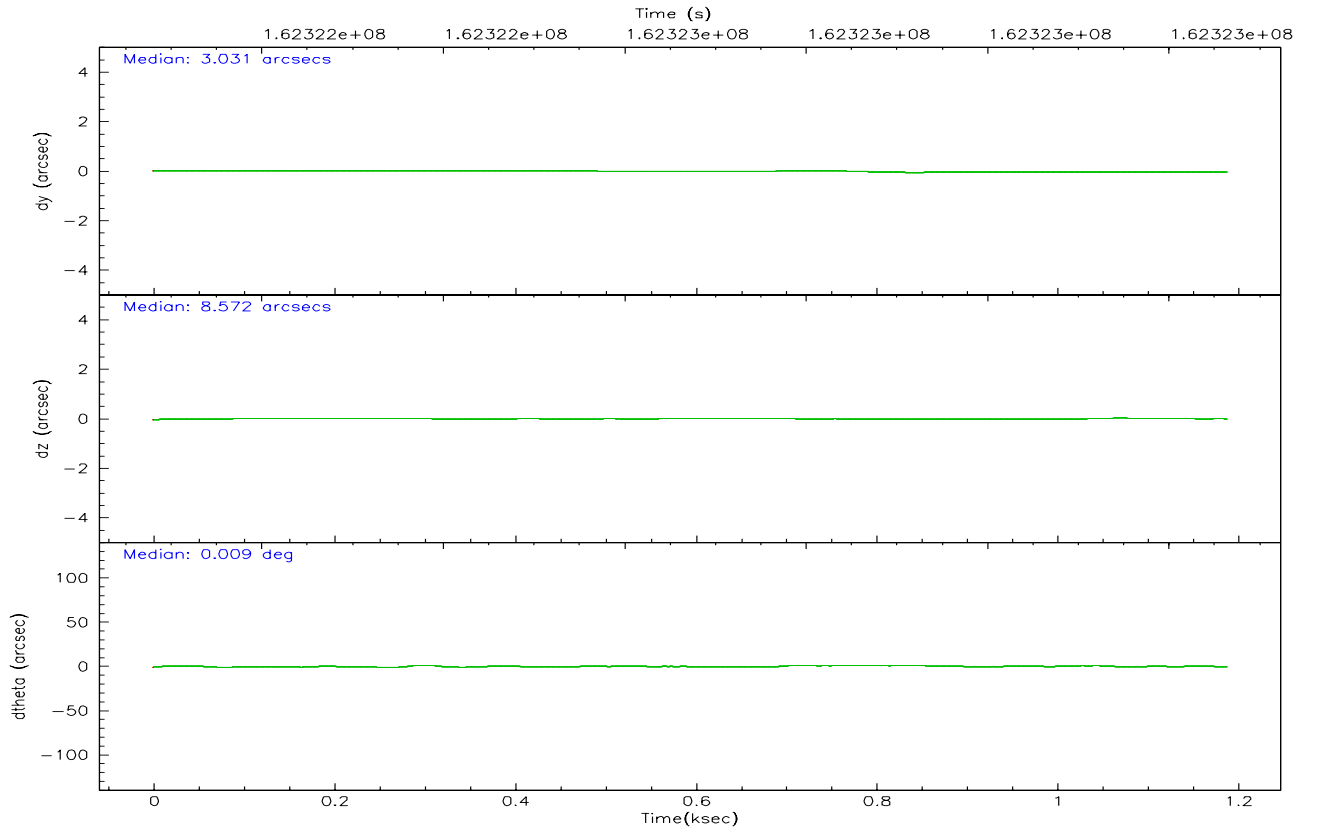
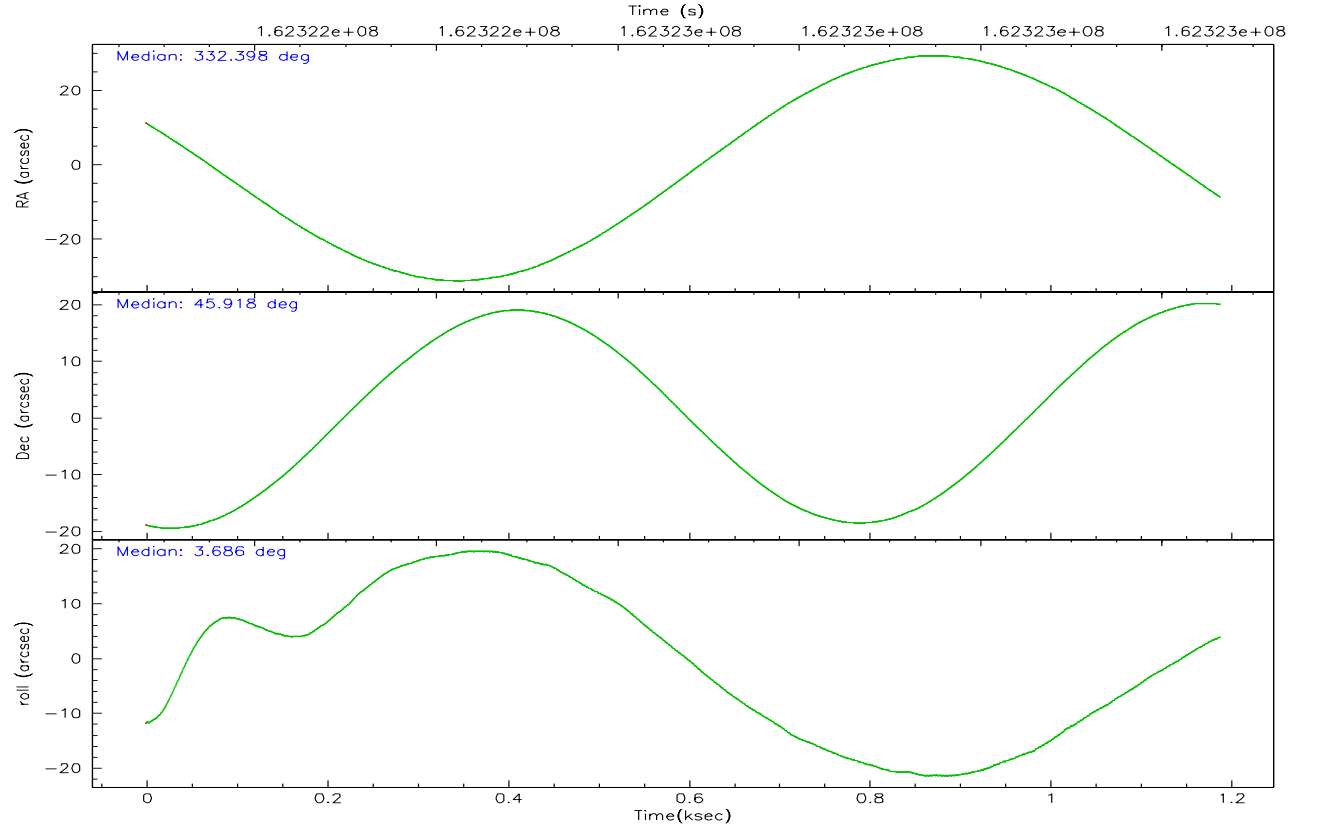
	<b>segment 0</b>
level 1 events	67475
rejected events	14846
rejected %	22%

## 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	332.366268	332.3981993867075			
Pointing Dec	45.902942	45.91844590138625			
Pointing Roll	3.811023	3.692435258363405			
Window start time	161697664.184000	161697664.184000			
Window stop time	165412864.184000	165412864.184000			
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	162322268.184000	162321891.88325			
Observation start date	2003-02-22T17:30:04	2003-02-22T17:24:51			
Observation end time	162323268.184000	162323401.70831			
Observation end date	2003-02-22T17:46:44	2003-02-22T17:50:01			

### 2.3 Aspect





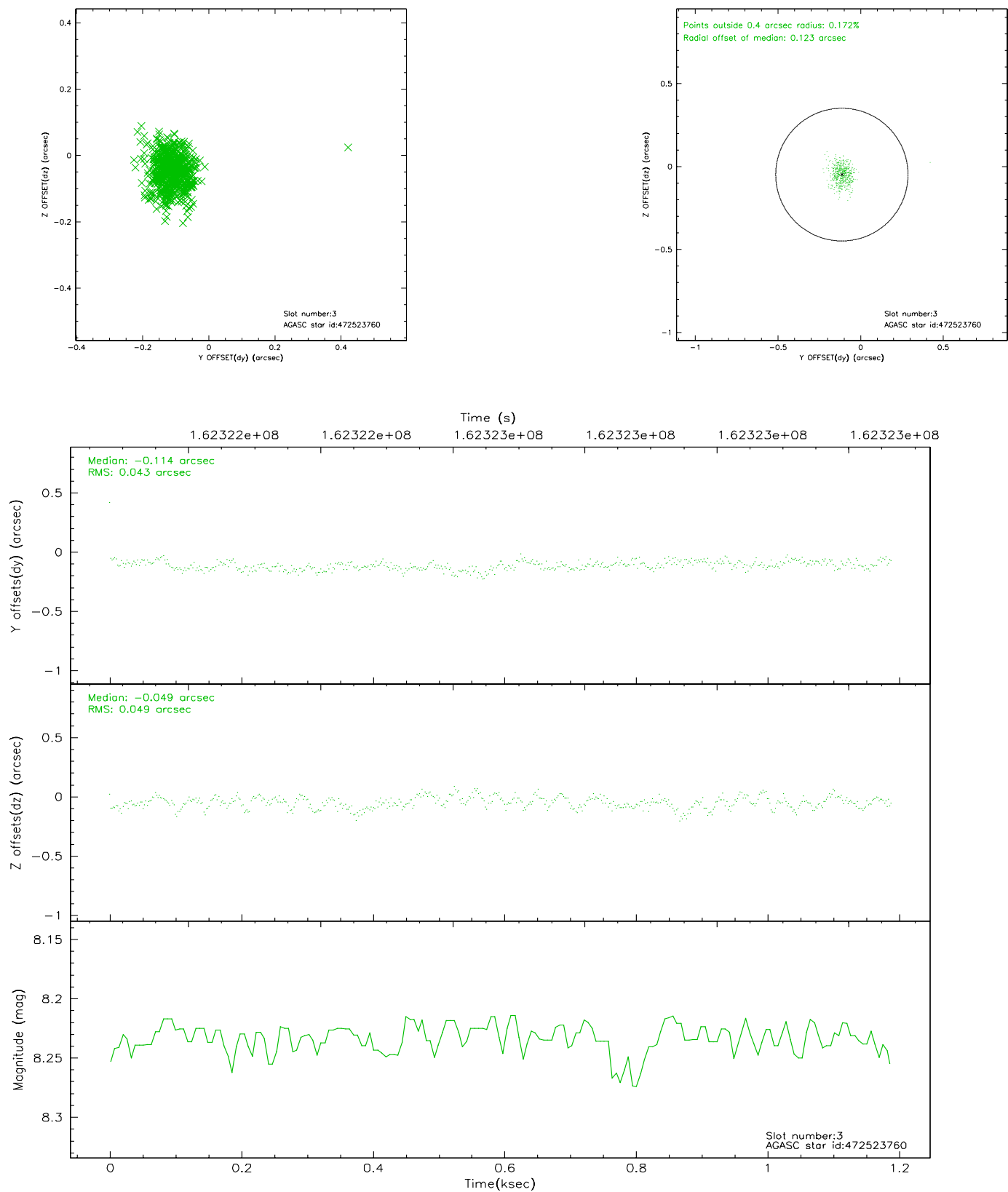
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	291	0.028	0.064	0.008	0.015	0.000000	0.000000	-758.47	-1296.45
1	FID	HRC-I-2	7.01	291	0.074	-0.076	0.007	0.011	0.000000	0.000000	851.60	-1302.61
2	FID	HRC-I-3	7.06	291	0.017	-0.079	0.006	0.010	0.000000	0.000000	-1184.04	1003.50
3	GUIDE	472523760	8.23	581	-0.114	-0.049	0.066	0.107	331.645363	45.403260	-1937.16	-1665.60
4	GUIDE	472535152	9.62	581	-0.035	-0.036	0.117	0.186	331.625800	46.496498	-1692.17	2259.84
5	GUIDE	472655704	9.48	581	0.039	0.050	0.122	0.193	332.167195	45.285228	-653.55	-2180.52
6	GUIDE	472659832	9.45	581	0.099	-0.014	0.094	0.148	332.780399	46.098139	1077.26	631.85
7	GUIDE	472659736	9.39	580	0.017	0.029	0.110	0.172	332.848312	46.590160	1356.20	2394.56

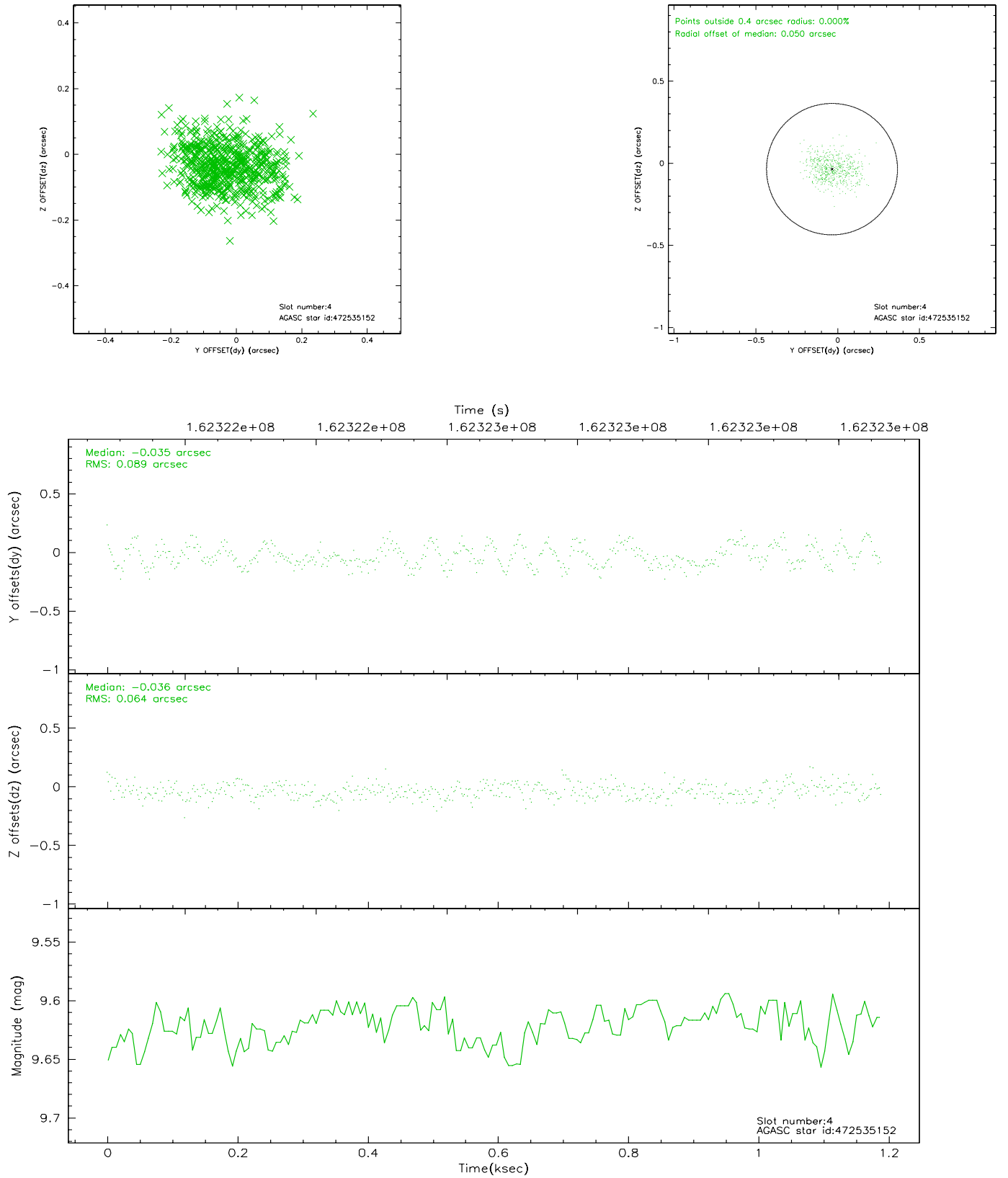


## 2.4 Star Slots

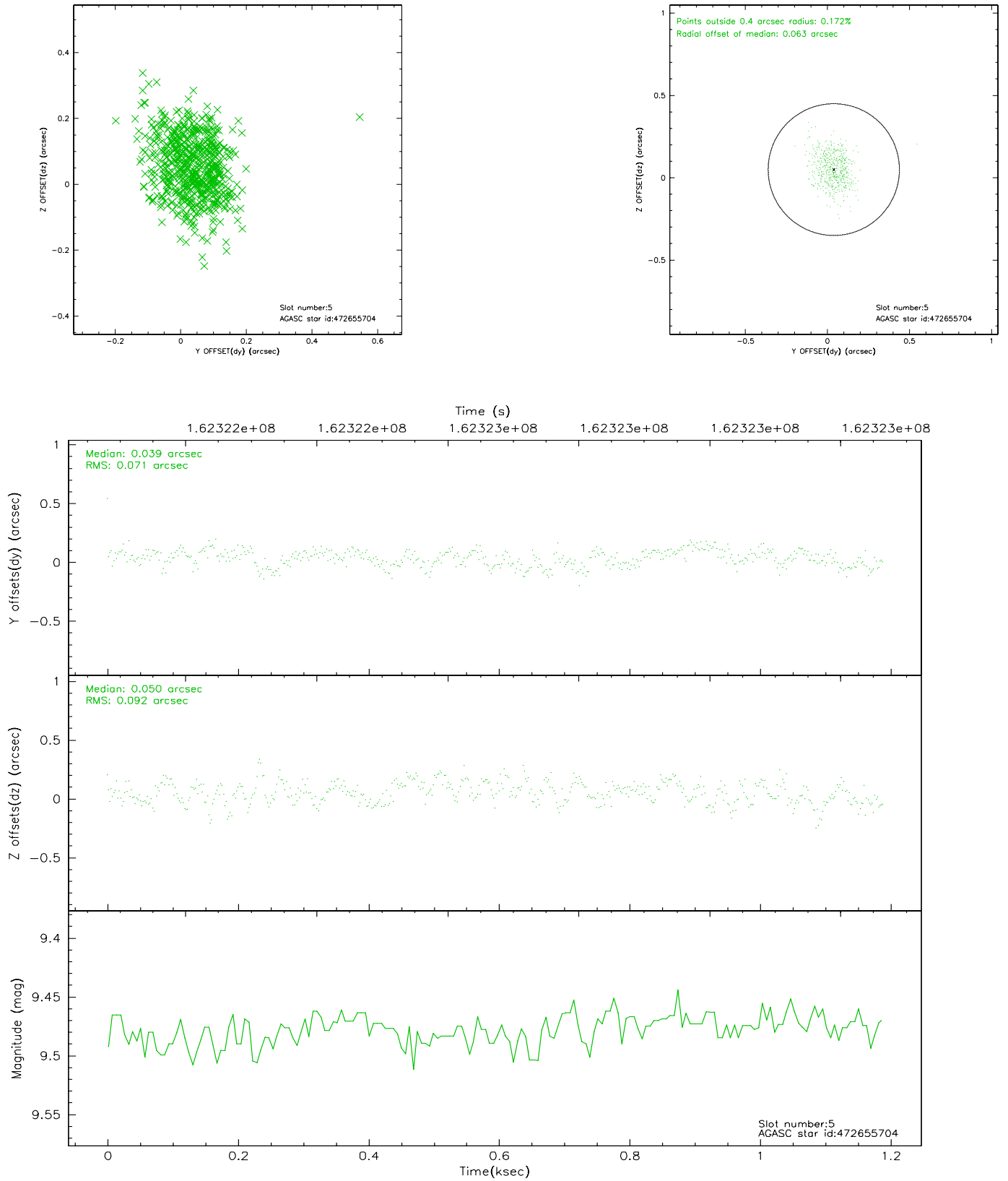
### 2.4.1 Slot 3



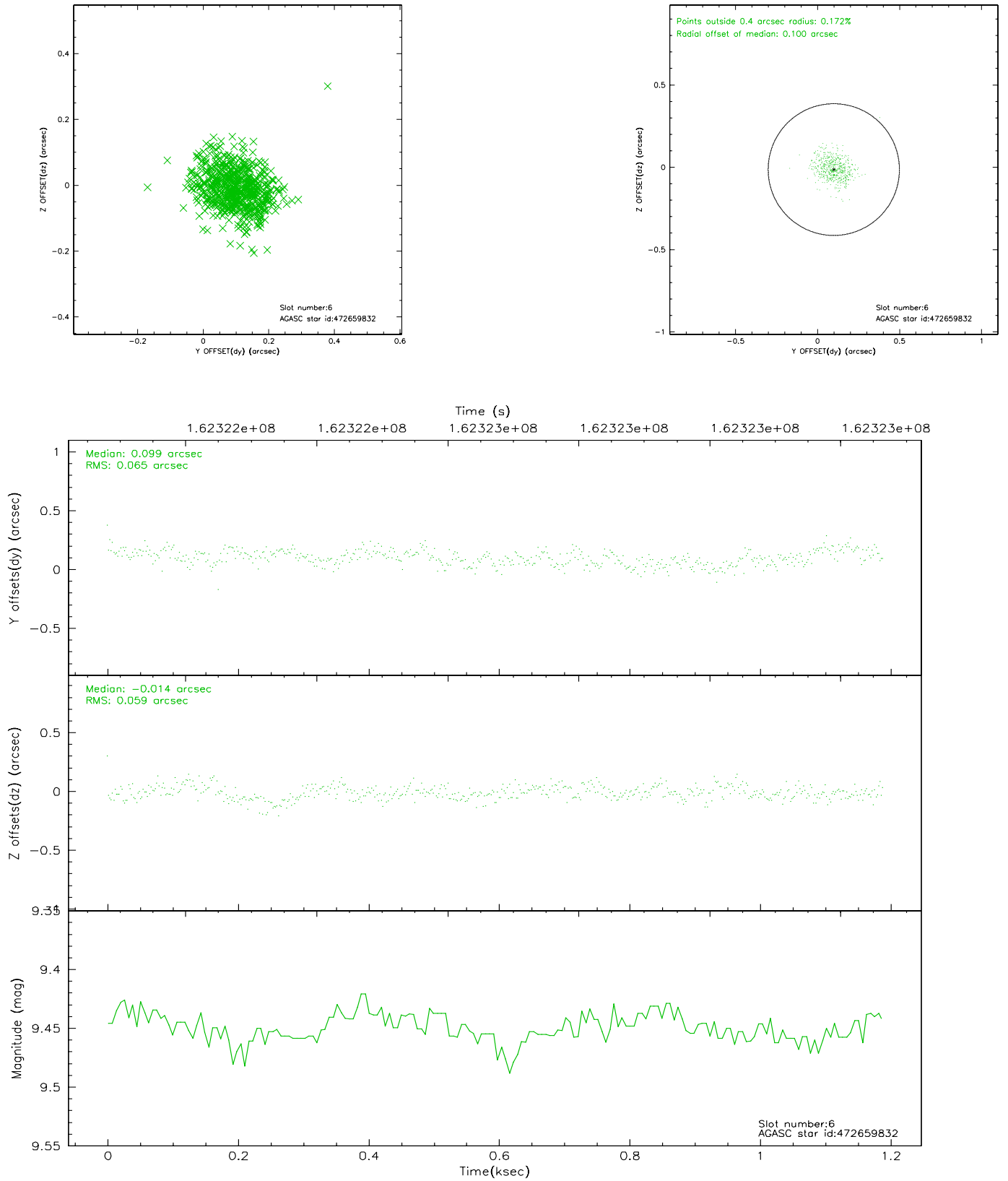
## 2.4.2 Slot 4



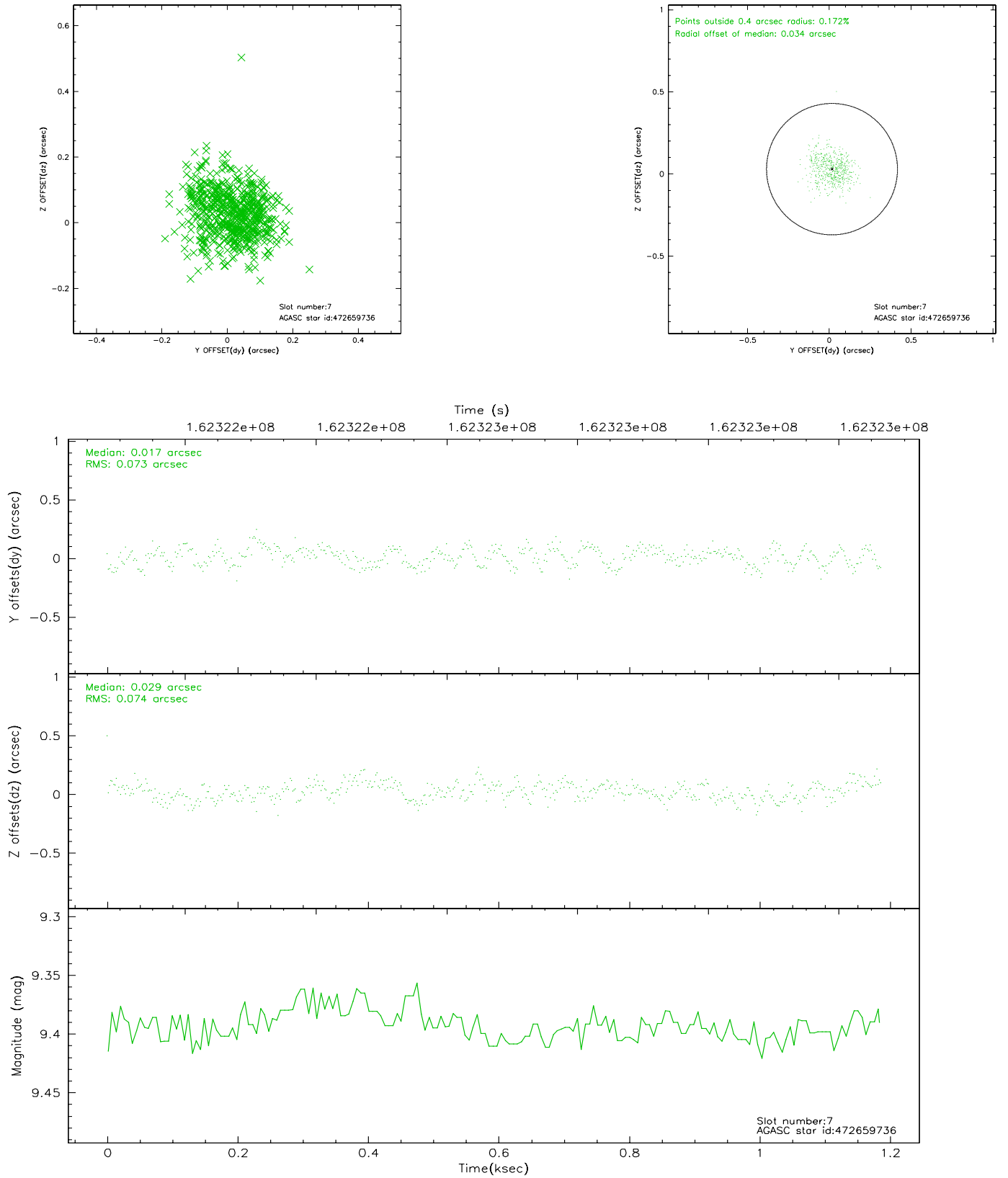
### 2.4.3 Slot 5



## 2.4.4 Slot 6

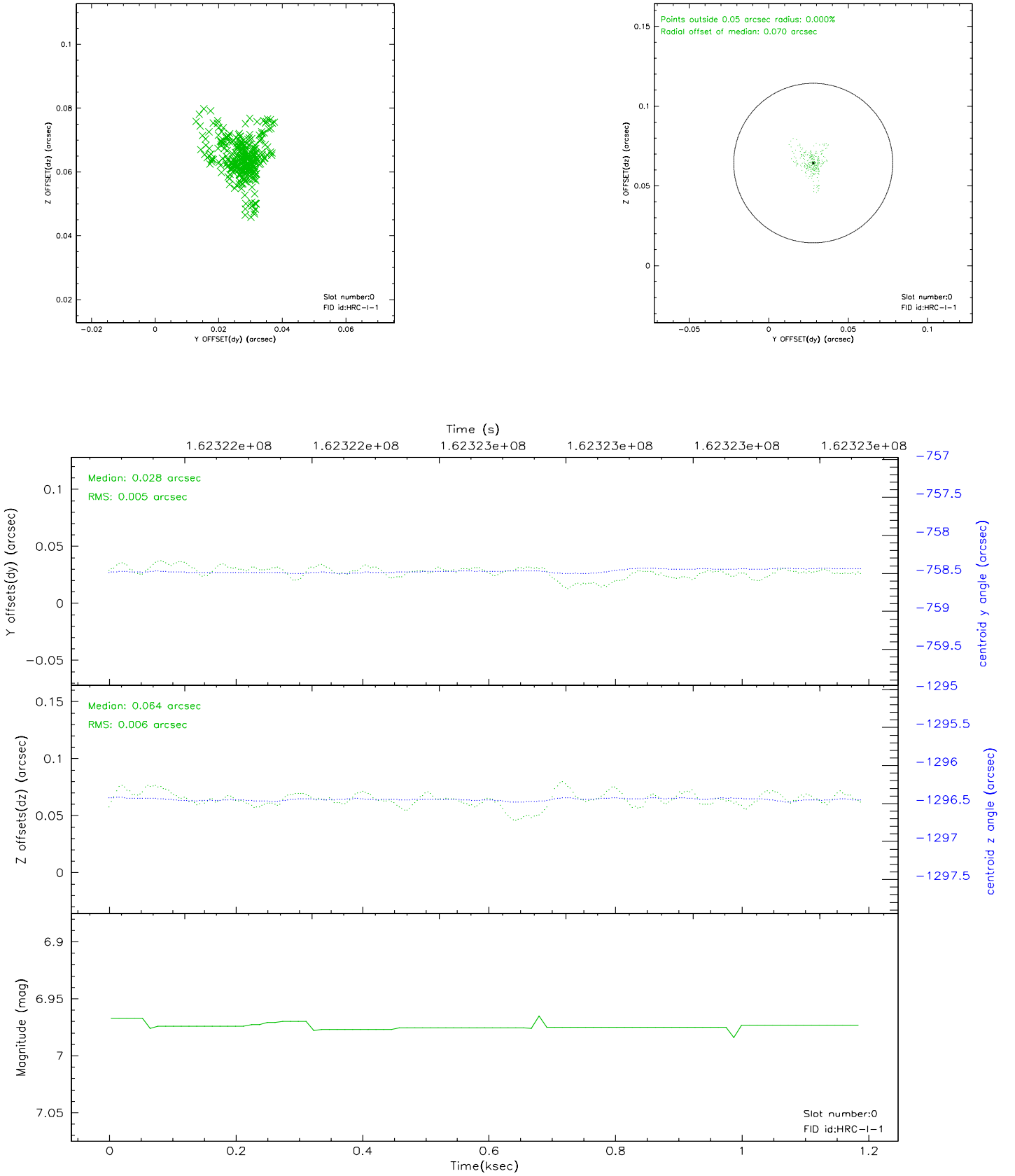


## 2.4.5 Slot 7

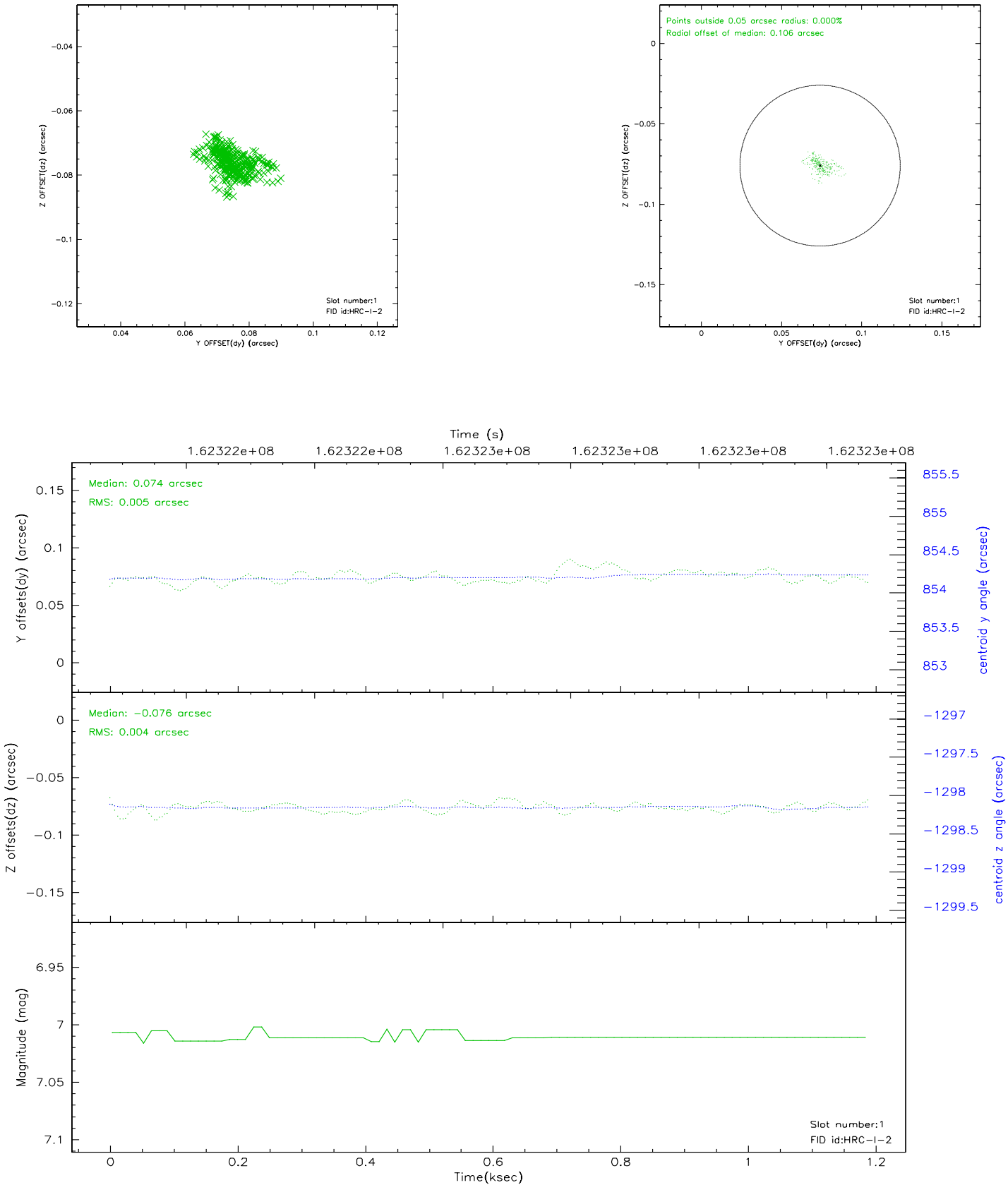


## 2.5 FID Slots

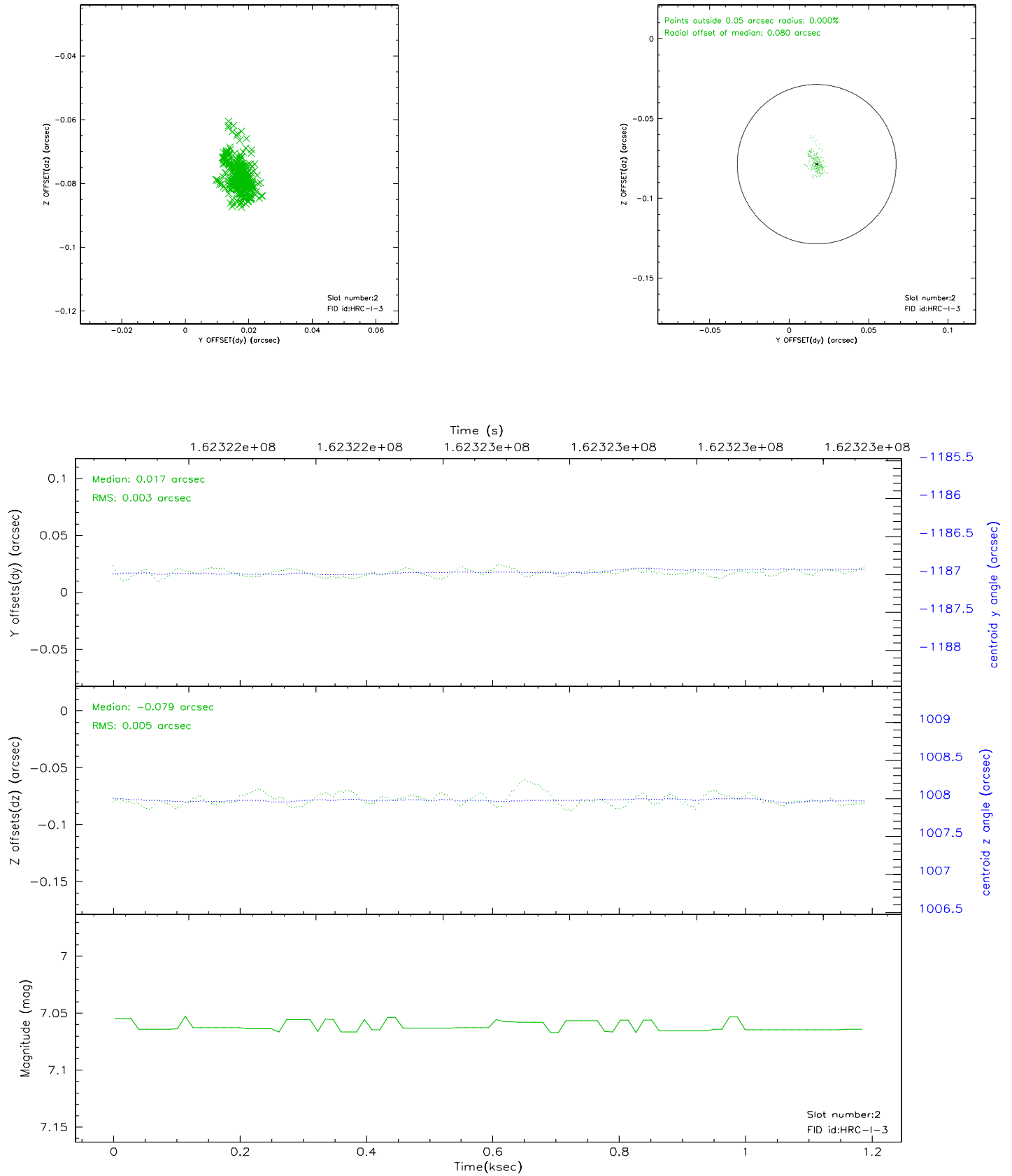
### 2.5.1 Slot 0



2.5.2 Slot 1



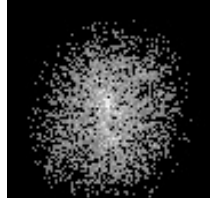
### 2.5.3 Slot 2





### 3 Point Sources

14.23 arcmin



# 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	1.188

## 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.