

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2364 - L2 Version 6  
Chandra X-Ray Center

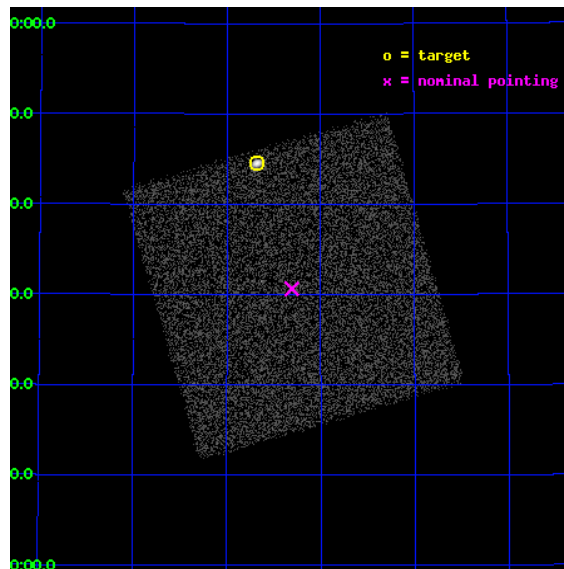
L2 Processing Date : Sep 4 2012

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# 1 Front

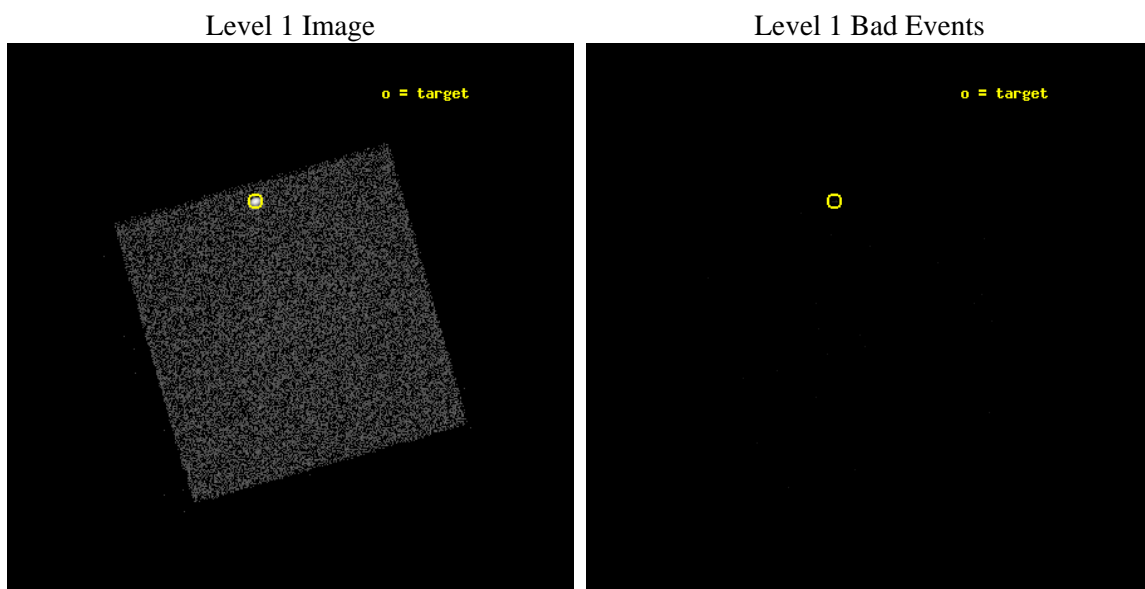
seq_num	290111	Sequence number
obs_id	2364	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07669853504	Nominal RA [deg]
dec_nom	45.510597096167	Nominal Dec [deg]
roll_nom	298.93392421036	Nominal Roll [deg]
revision	6	Processing version of data
ontime	1200.5312959105	[s]
livetime	1194.6949576536	Ontime multiplied by DTCOR
l2events	33371	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1200.5312959105	[s]
caldbver	4.5.1.1	&#160	l1events	55803	Number of level 1 events
date	2012-09-04T06:21:22	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

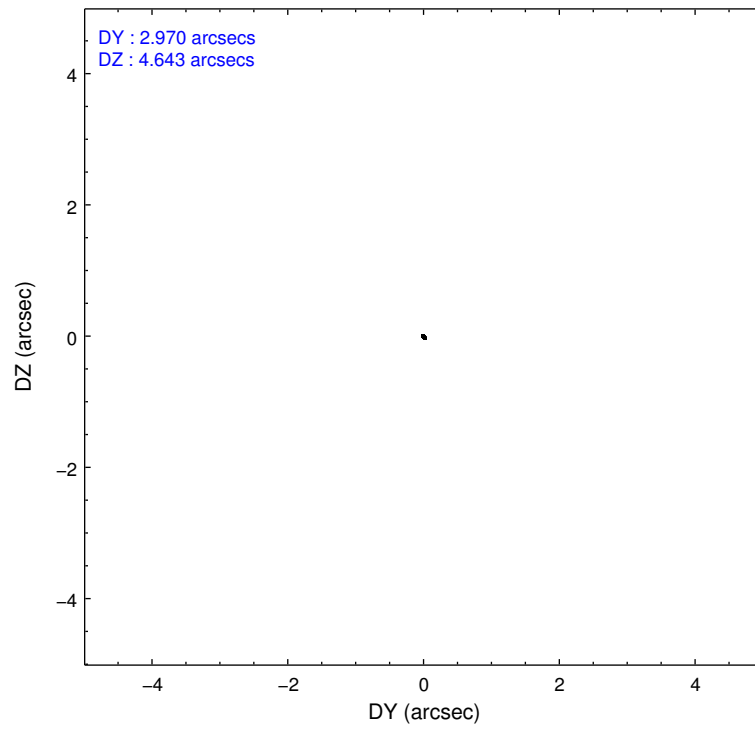
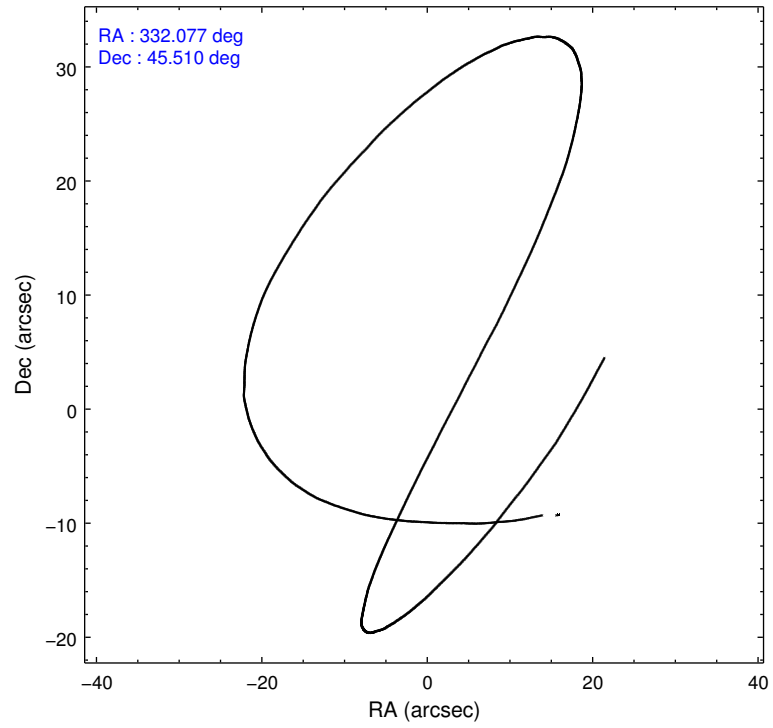
	<b>segment 0</b>
level 1 events	55803
rejected events	8664
rejected %	15%

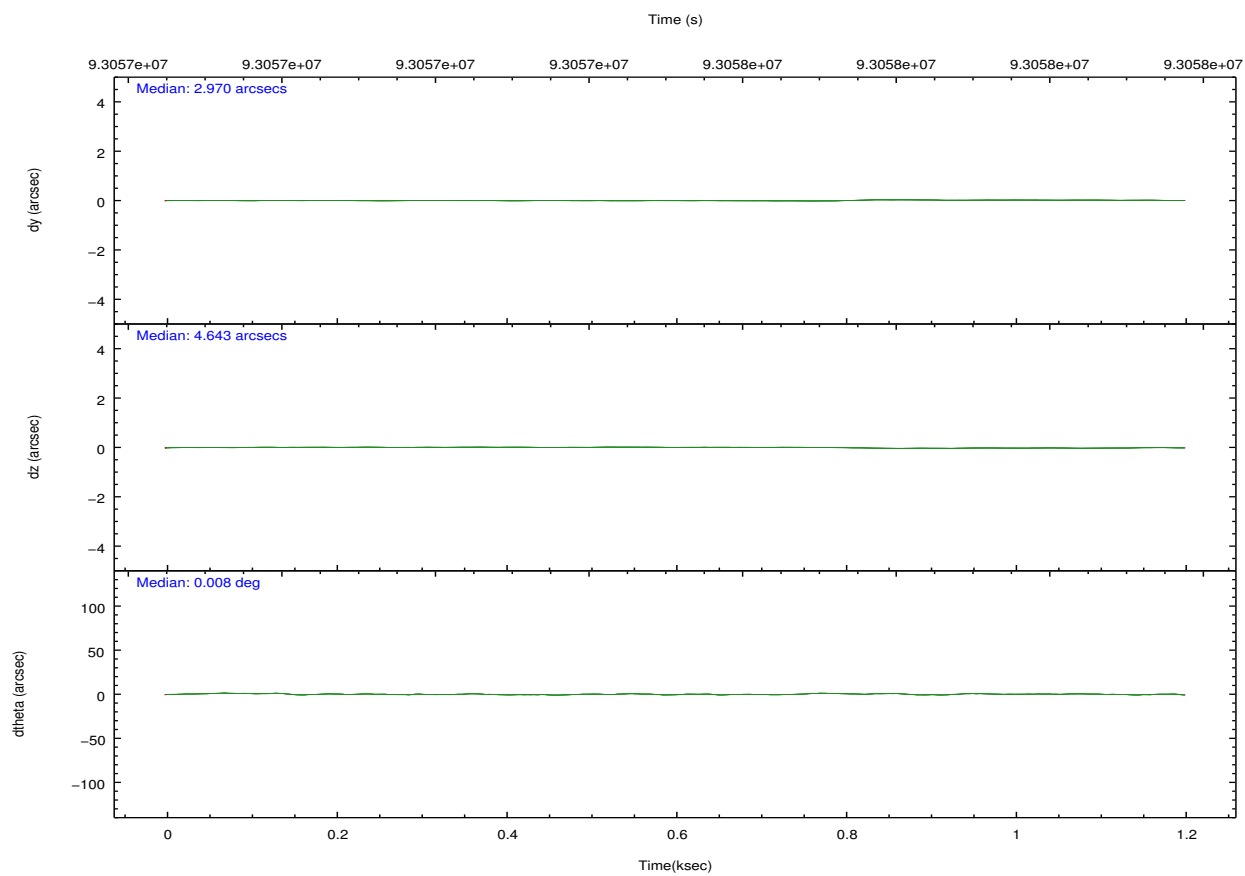
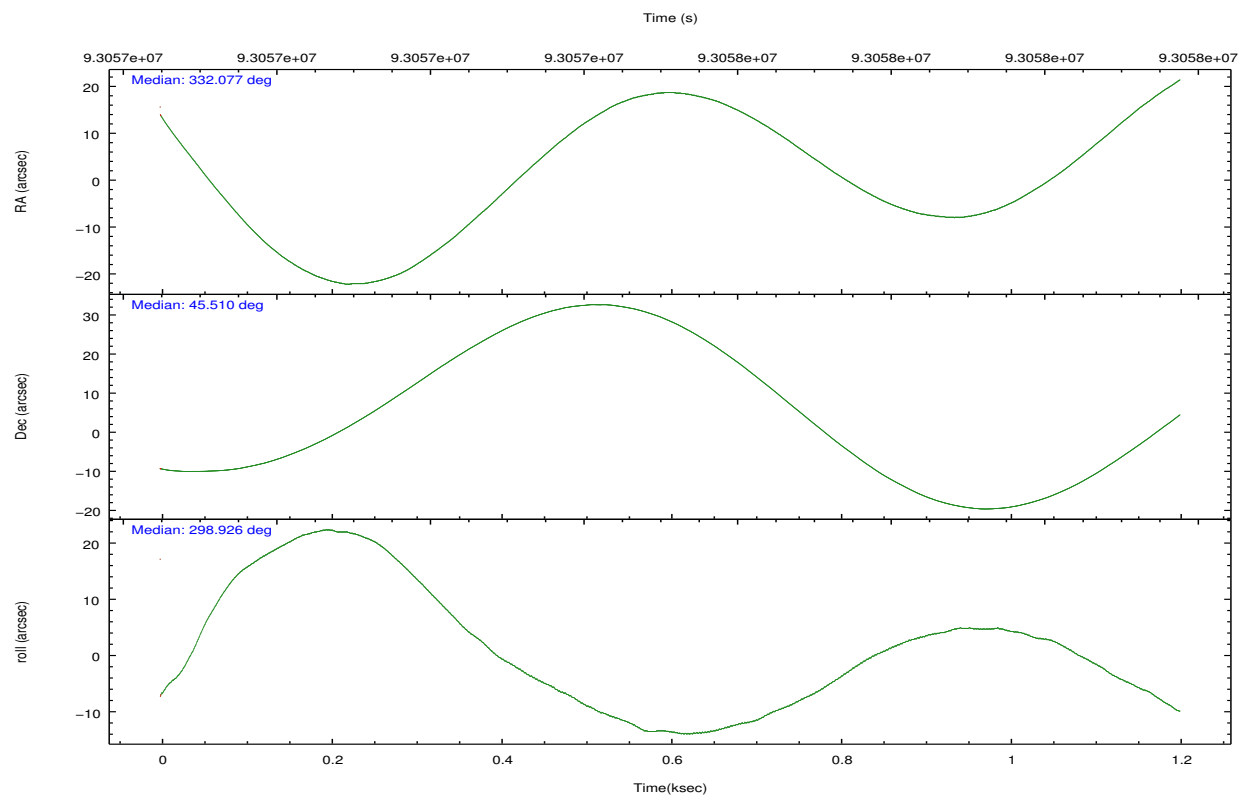
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.044131	332.0766985350432
[deg] Pointing Dec	45.525032	45.51059709616694
[deg] Pointing Roll	299.052699	298.9339242103559
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	93057111.184000	93056734.588608
Observation start date	2000-12-13T01:10:47	2000-12-13T01:05:34
[s] Observation end time (MET)	93058111.184000	93058631.863681
Observation end date	2000-12-13T01:27:27	2000-12-13T01:37:11

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





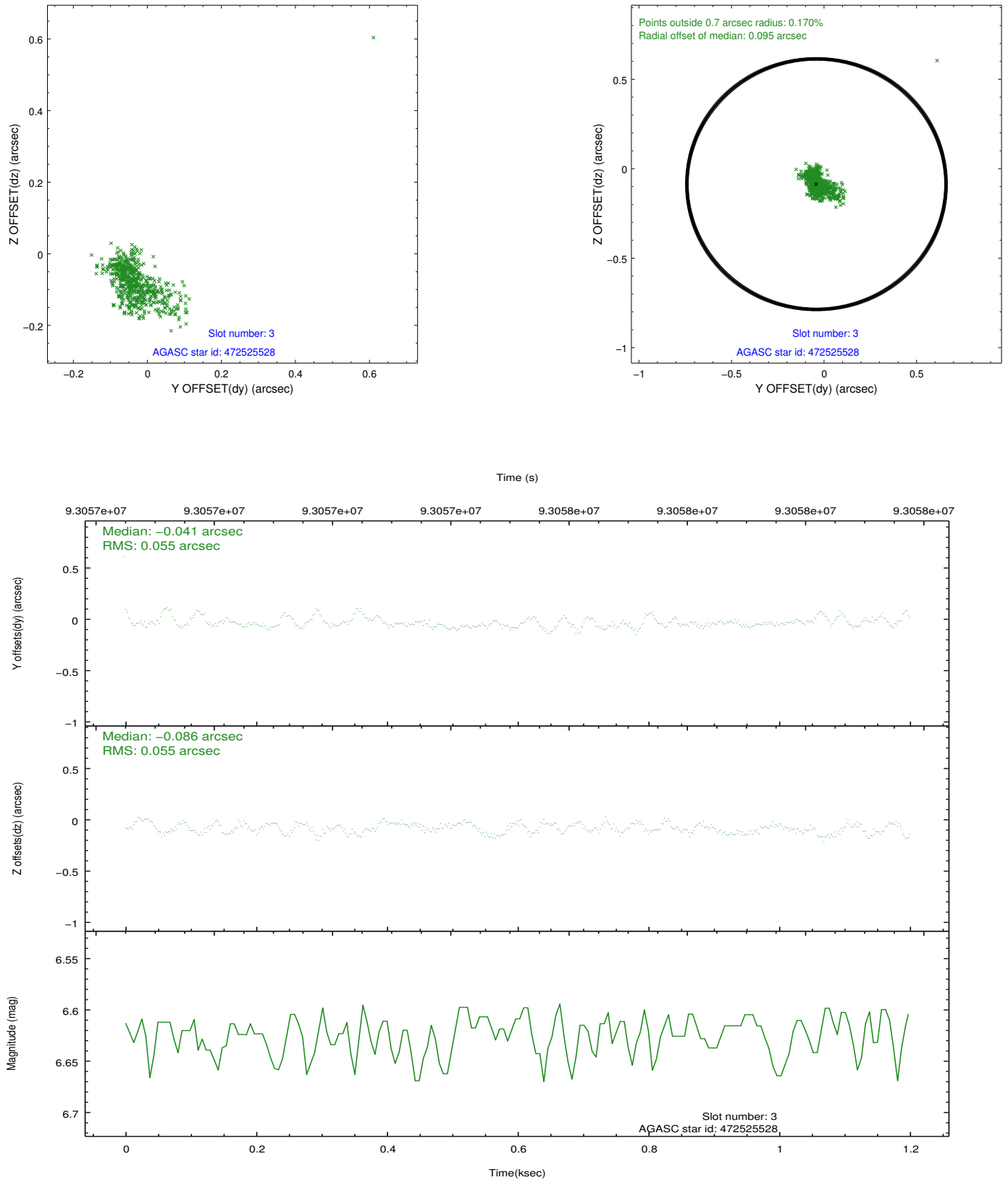
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	294	0.044	-0.021	0.007	0.015	0.000000	0.000000	854.24	-1294.04
1	FID	HRC-I-3	7.05	294	0.027	-0.026	0.008	0.015	0.000000	0.000000	-1184.01	1007.66
2	FID	HRC-I-4	6.98	294	0.047	-0.040	0.007	0.012	0.000000	0.000000	1280.35	1013.10
3	GUIDE	472525528	6.62	587	-0.041	-0.086	0.069	0.129	331.551102	45.248694	258.85	-1570.49
4	GUIDE	472527720	7.00	587	-0.030	-0.058	0.072	0.123	331.460205	45.112509	572.99	-2014.93
5	GUIDE	420752392	7.28	586	0.056	0.098	0.079	0.122	332.271848	44.854756	2391.16	-663.24
6	GUIDE	472655152	9.44	587	0.028	0.166	0.100	0.164	332.504239	45.862991	-503.25	1602.89
7	GUIDE	472523568	9.33	586	-0.015	-0.120	0.097	0.150	331.465966	45.371411	-232.68	-1538.46

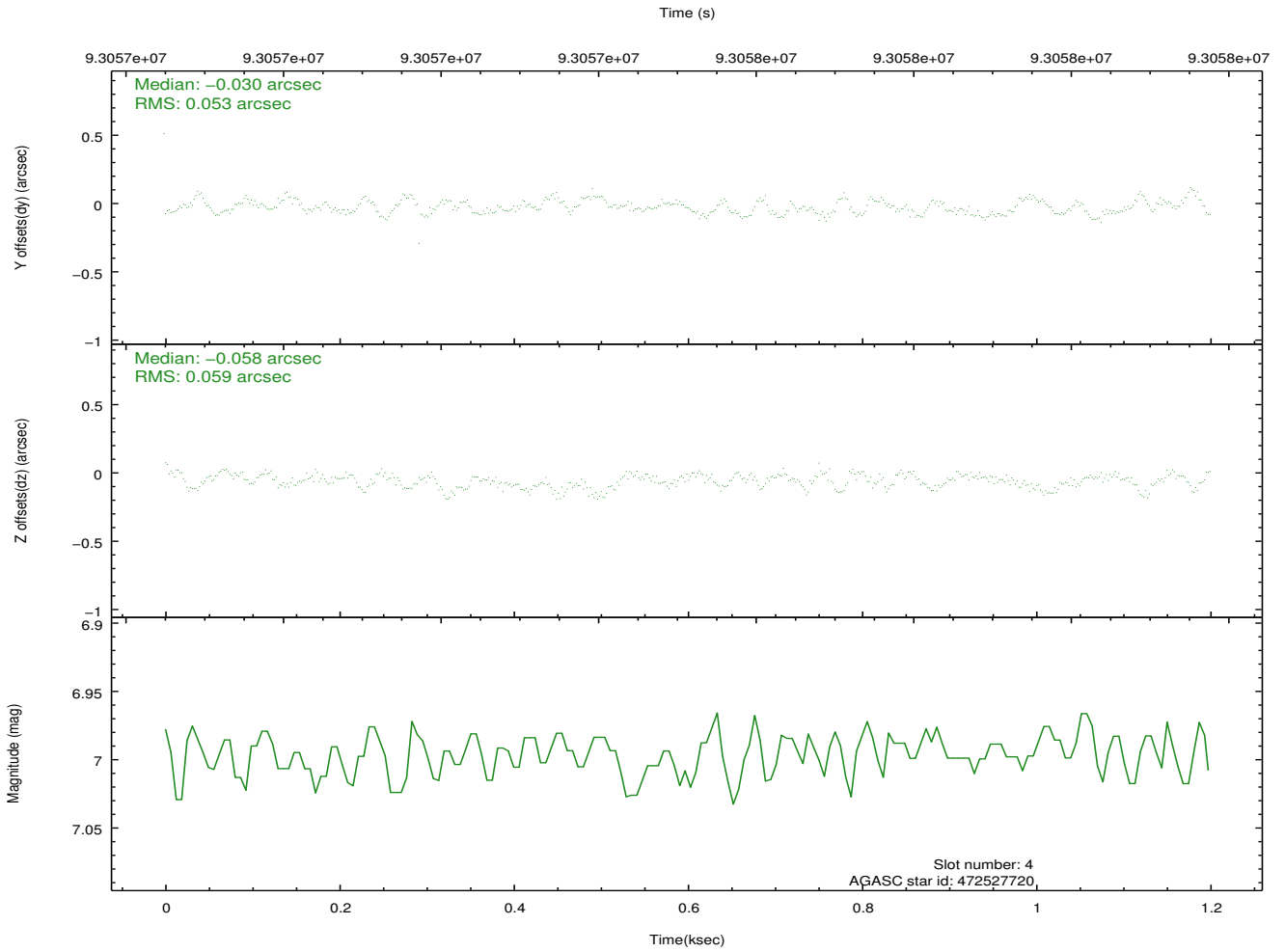
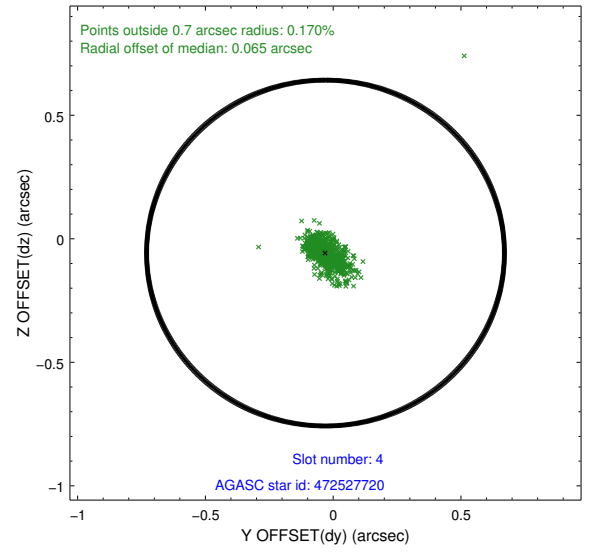
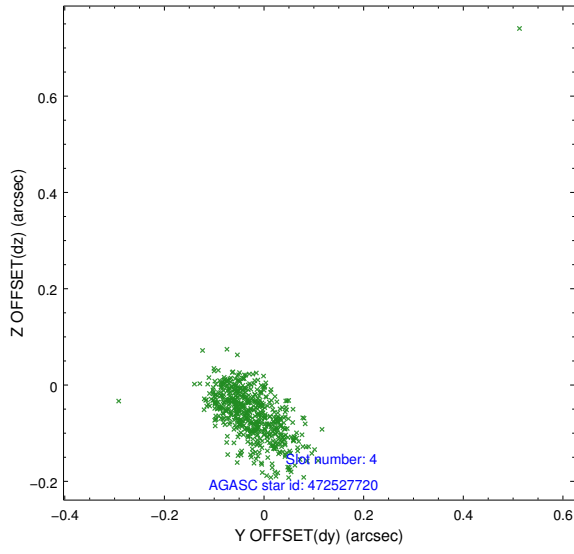


## 2.4 Star Slots

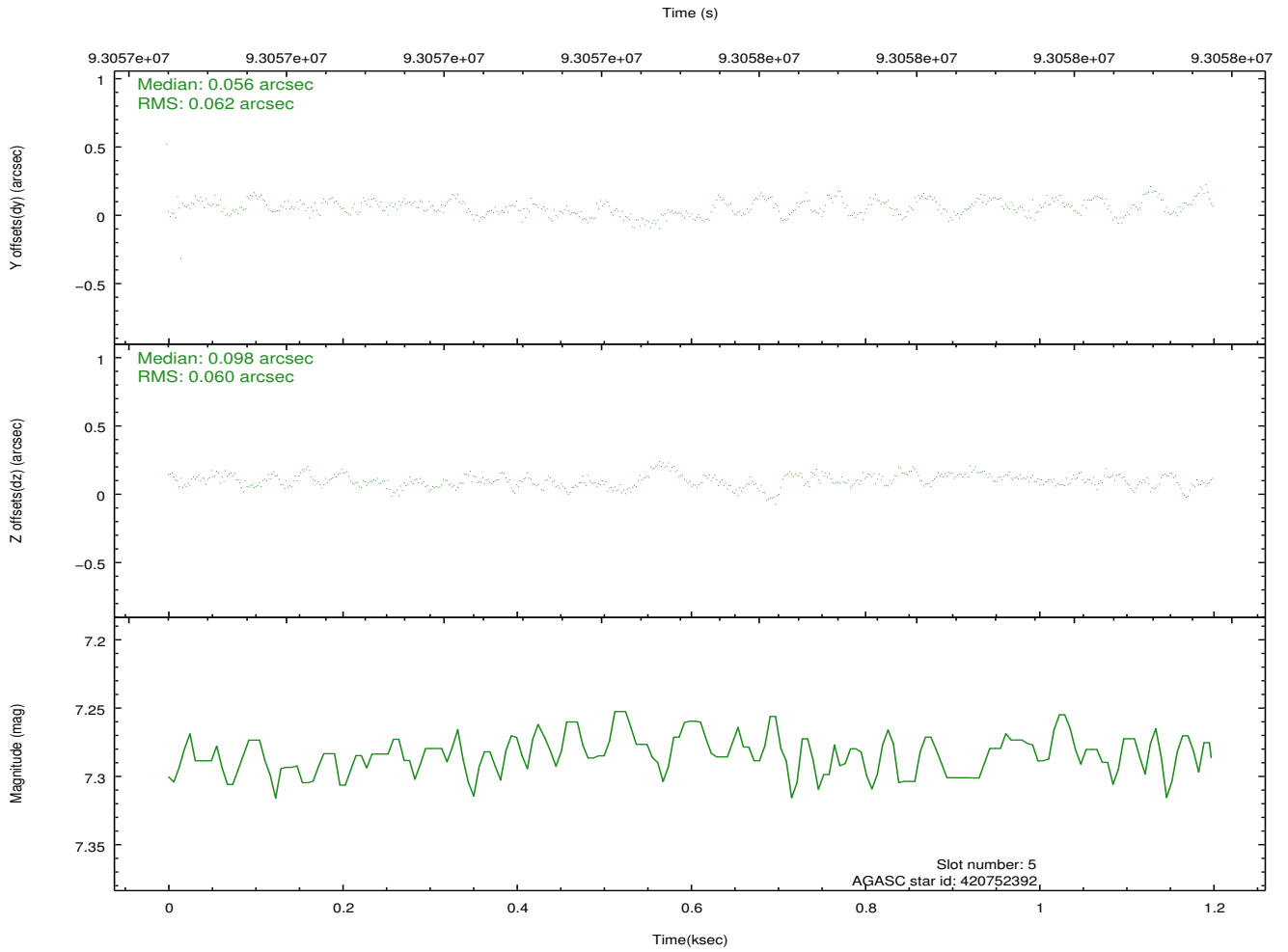
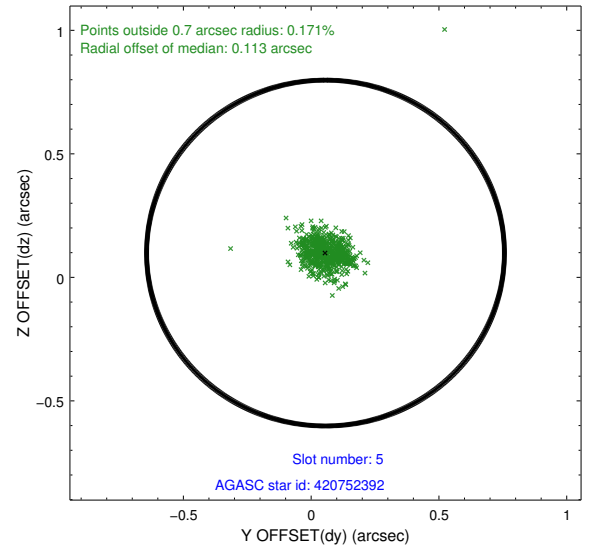
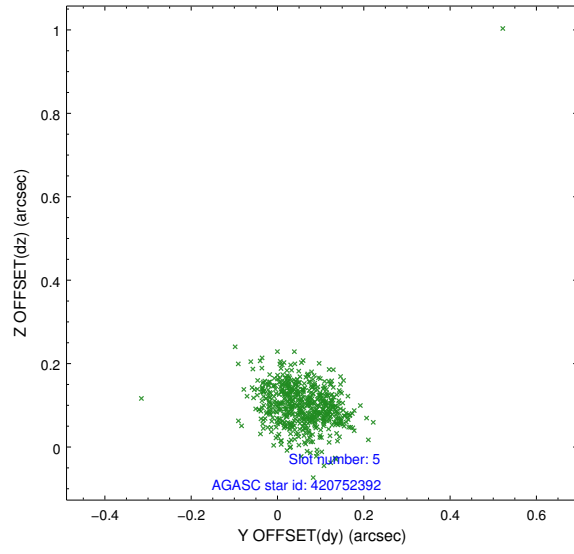
### 2.4.1 Slot 3



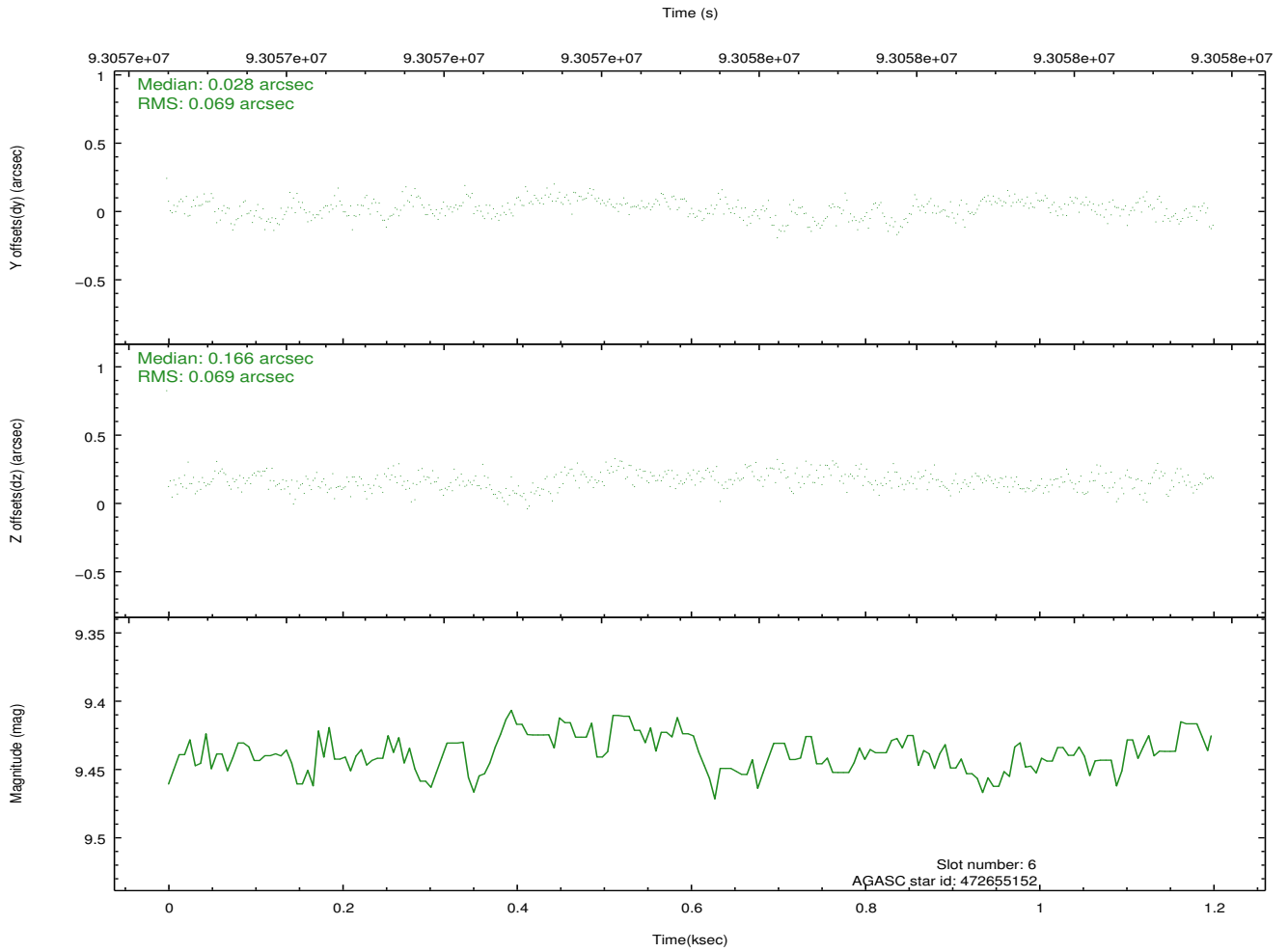
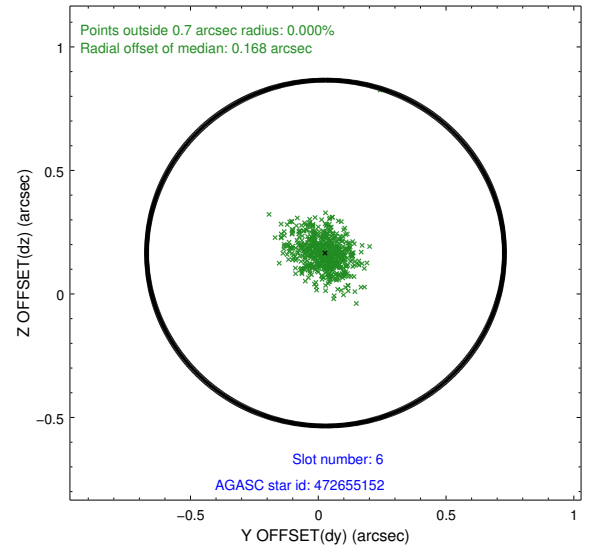
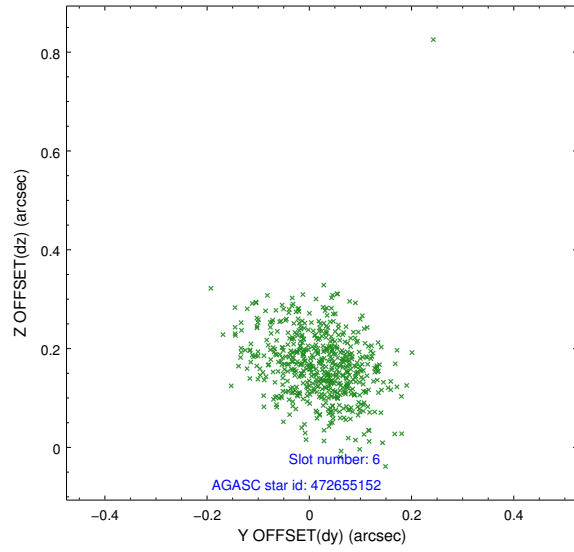
## 2.4.2 Slot 4



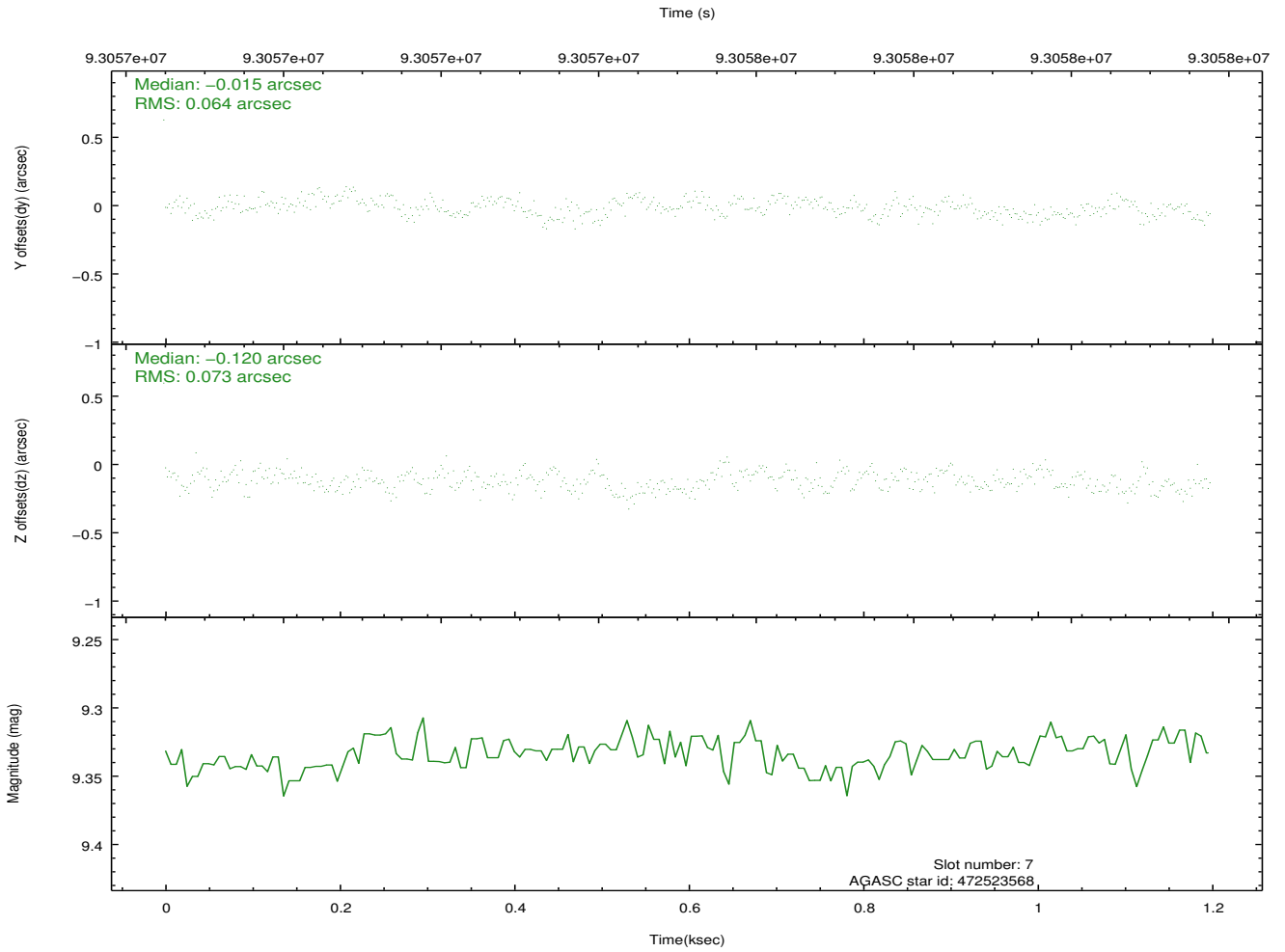
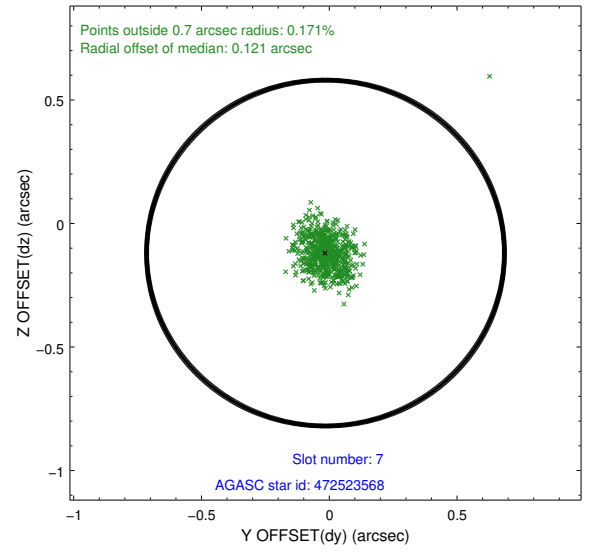
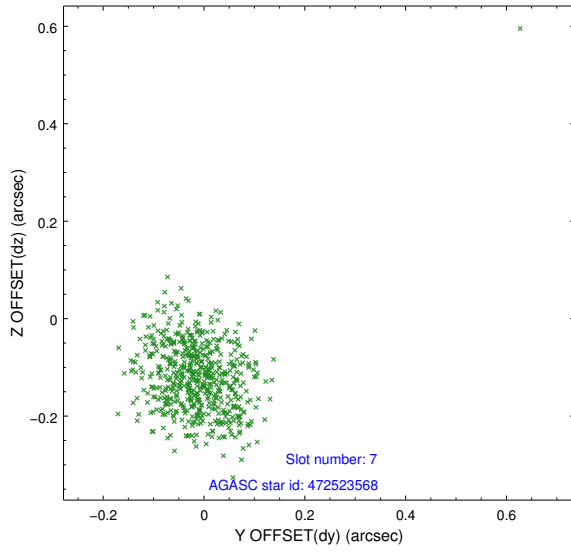
### 2.4.3 Slot 5



## 2.4.4 Slot 6

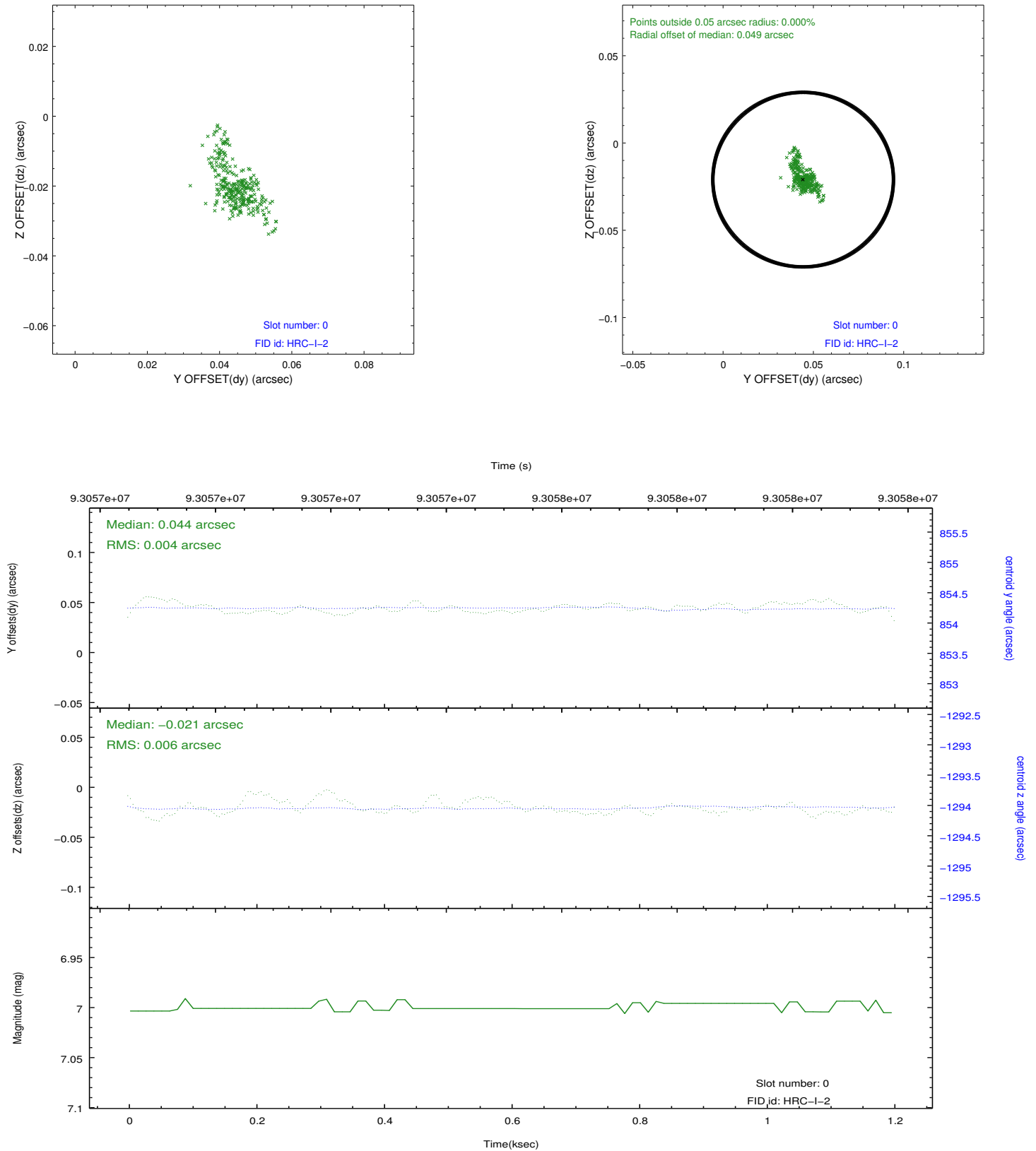


## 2.4.5 Slot 7

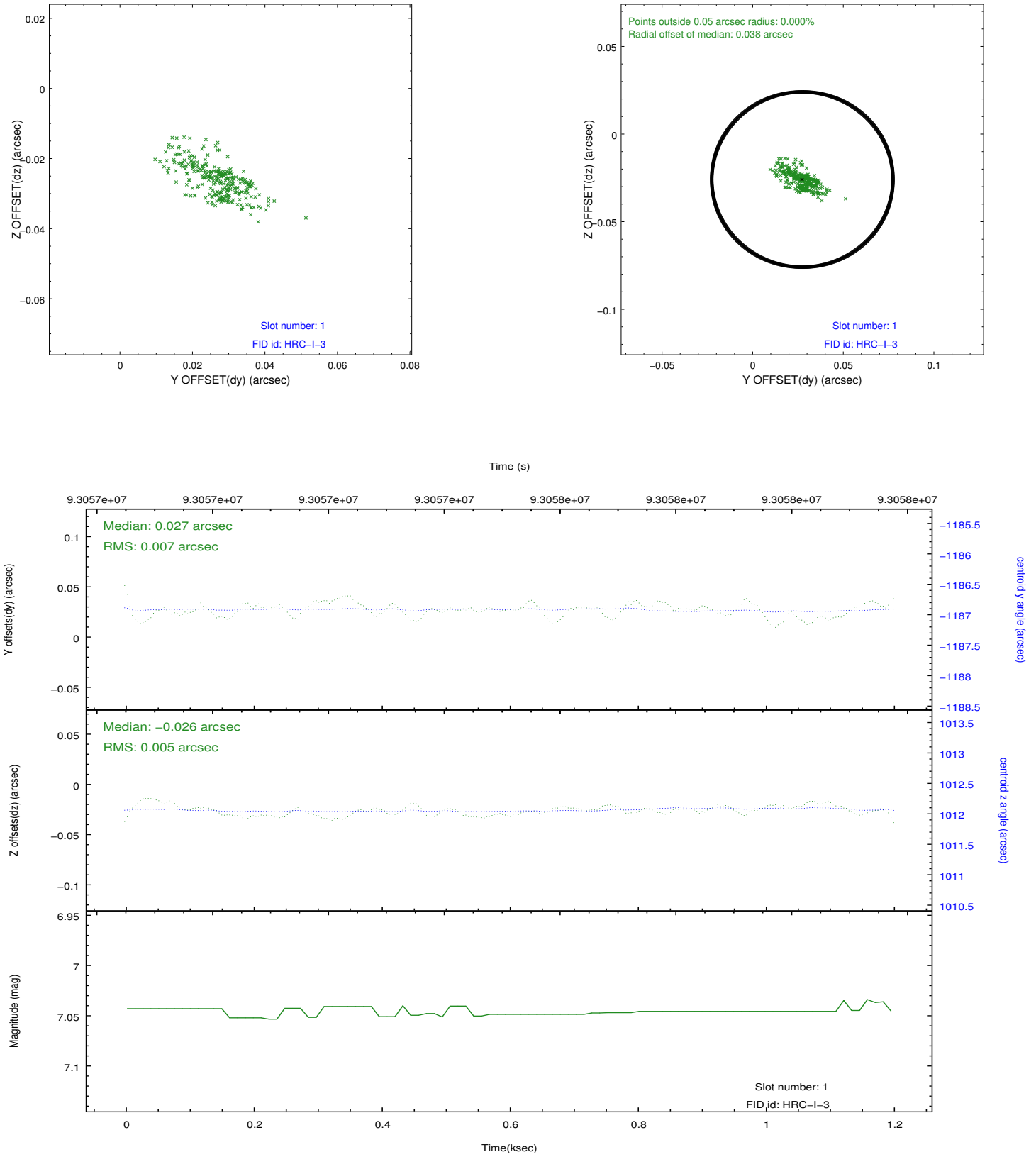


## 2.5 FID Slots

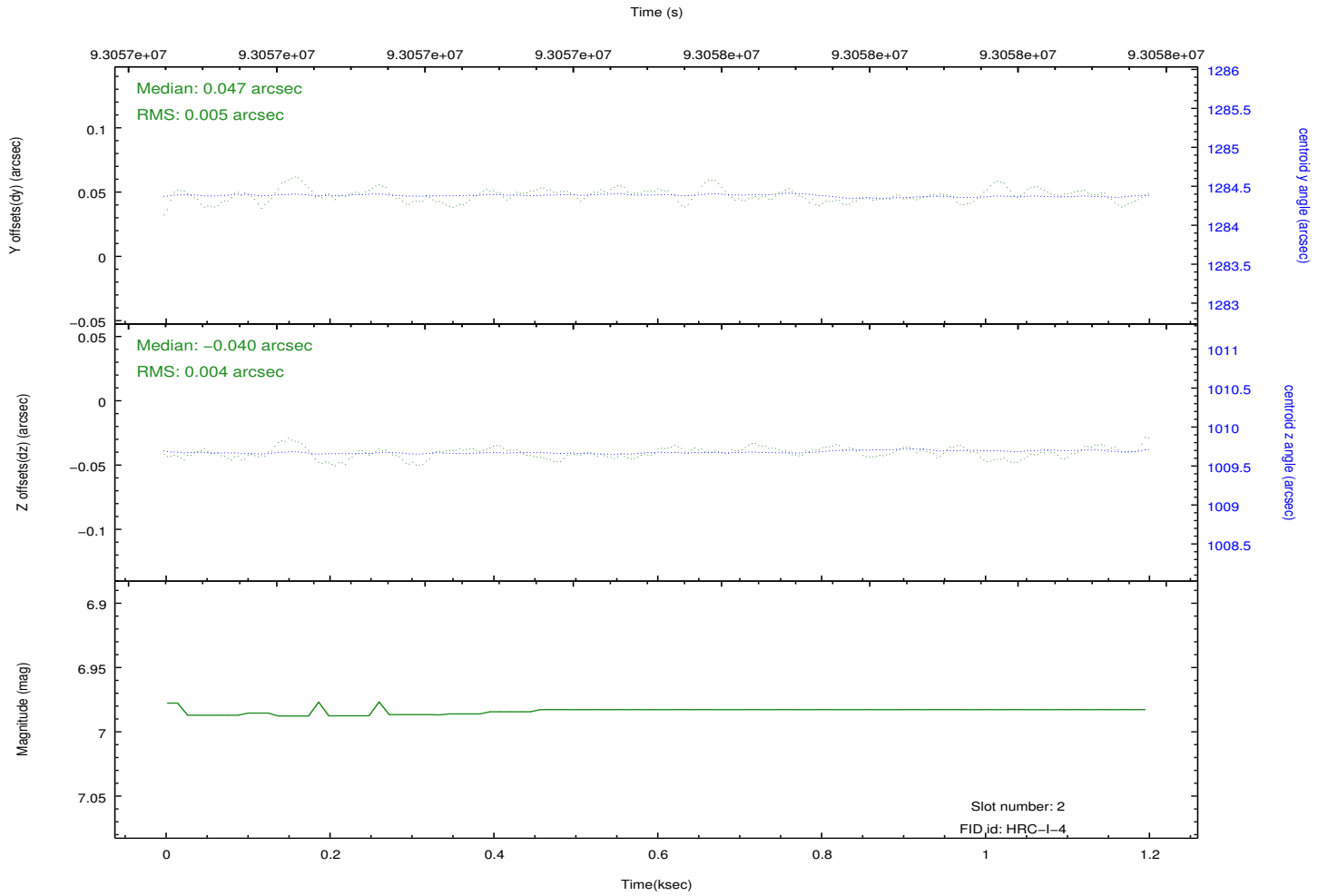
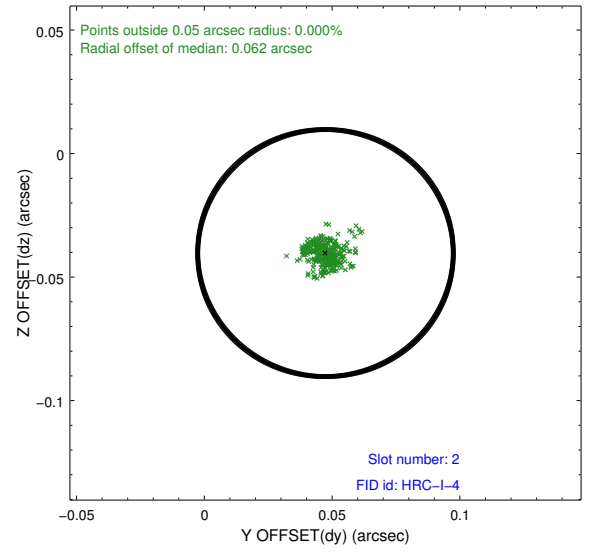
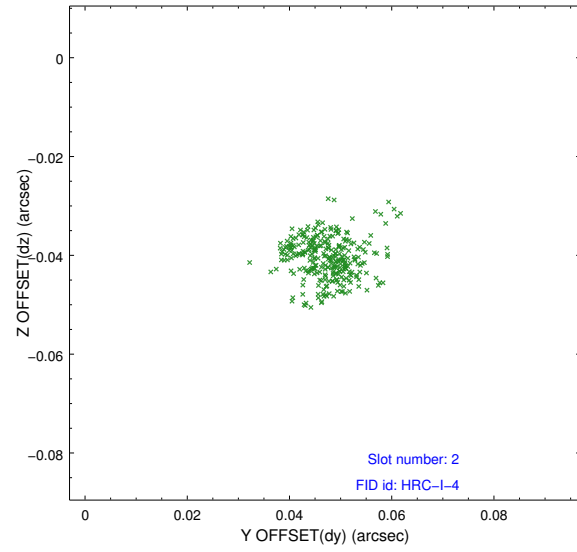
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.199

### A.2 Comments

Source is at the edge of the chip.