

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11909 - L2 Version 2  
Chandra X-Ray Center

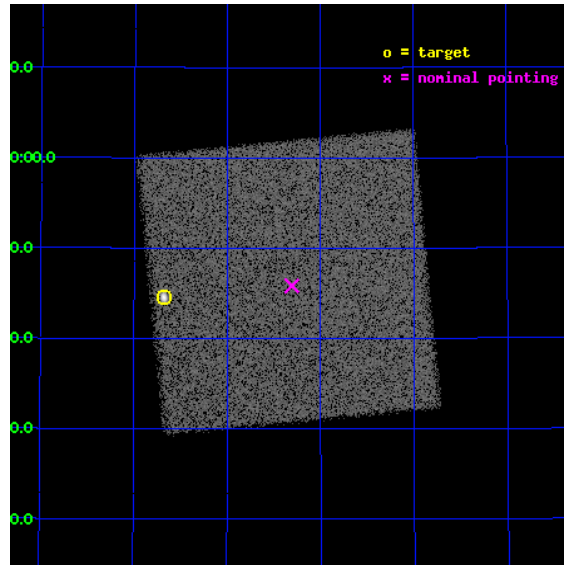
L2 Processing Date : Jul 3 2012

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# 1 Front

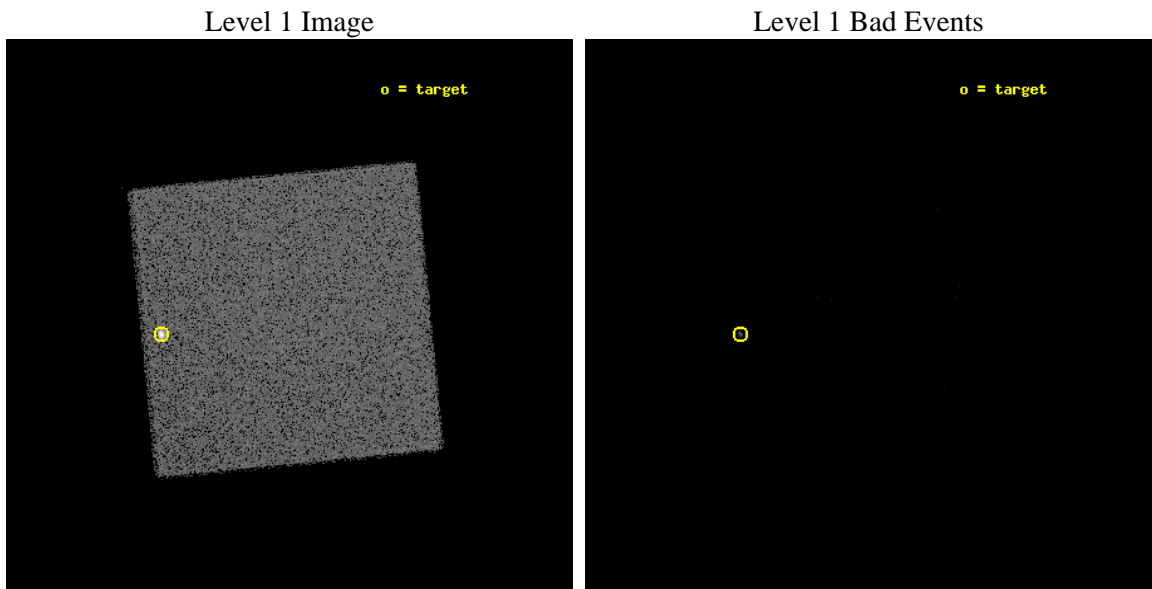
seq_num	290898	Sequence number
obs_id	11909	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.82691966059	Nominal RA [deg]
dec_nom	45.764239695353	Nominal Dec [deg]
roll_nom	219.43289660876	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313105583	[s]
livetime	1167.0099454512	Ontime multiplied by DTCOR
l2events	91198	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	1180.0313105583	[s]
caldbver	4.5.0	&#160	l1events	150384	Number of level 1 events
date	2012-07-03T23:53:01	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

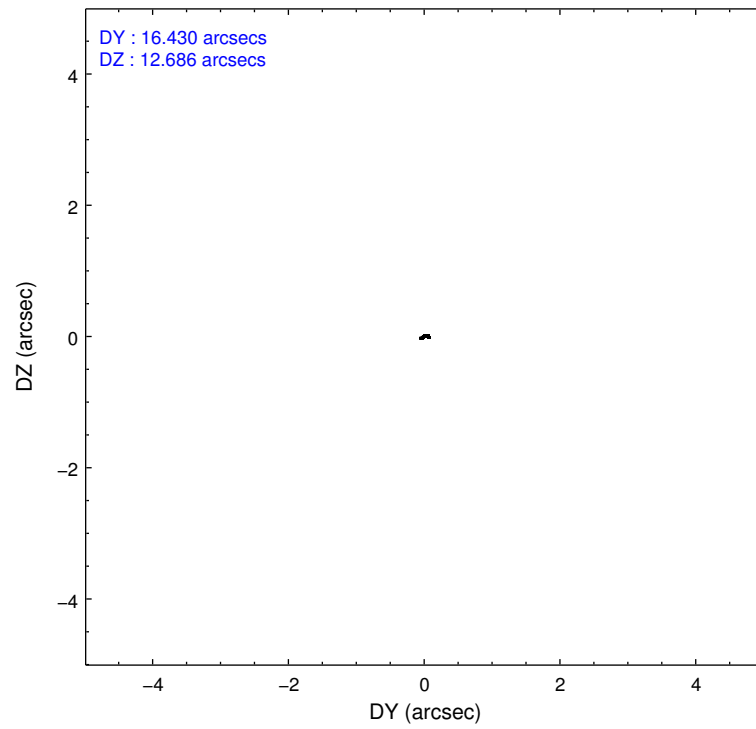
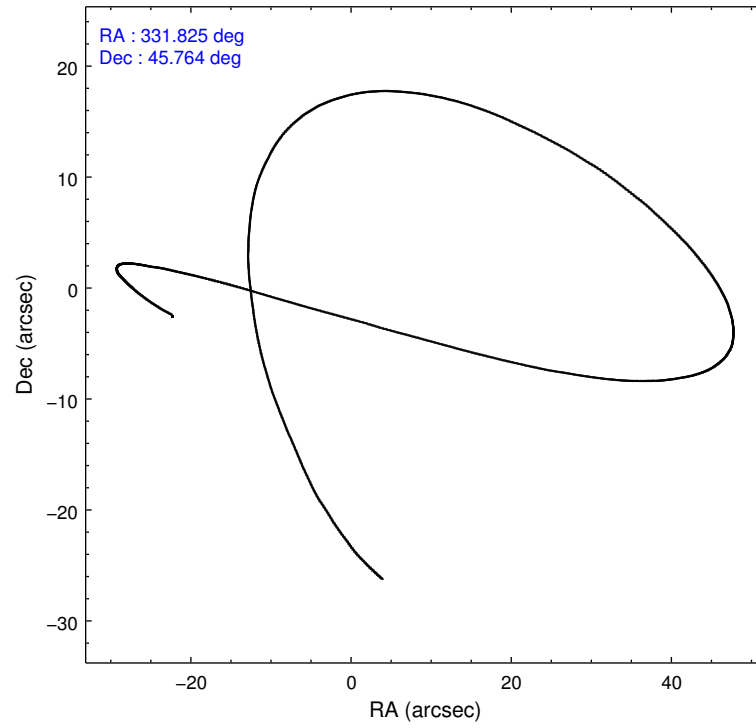
#### Level 1 Events

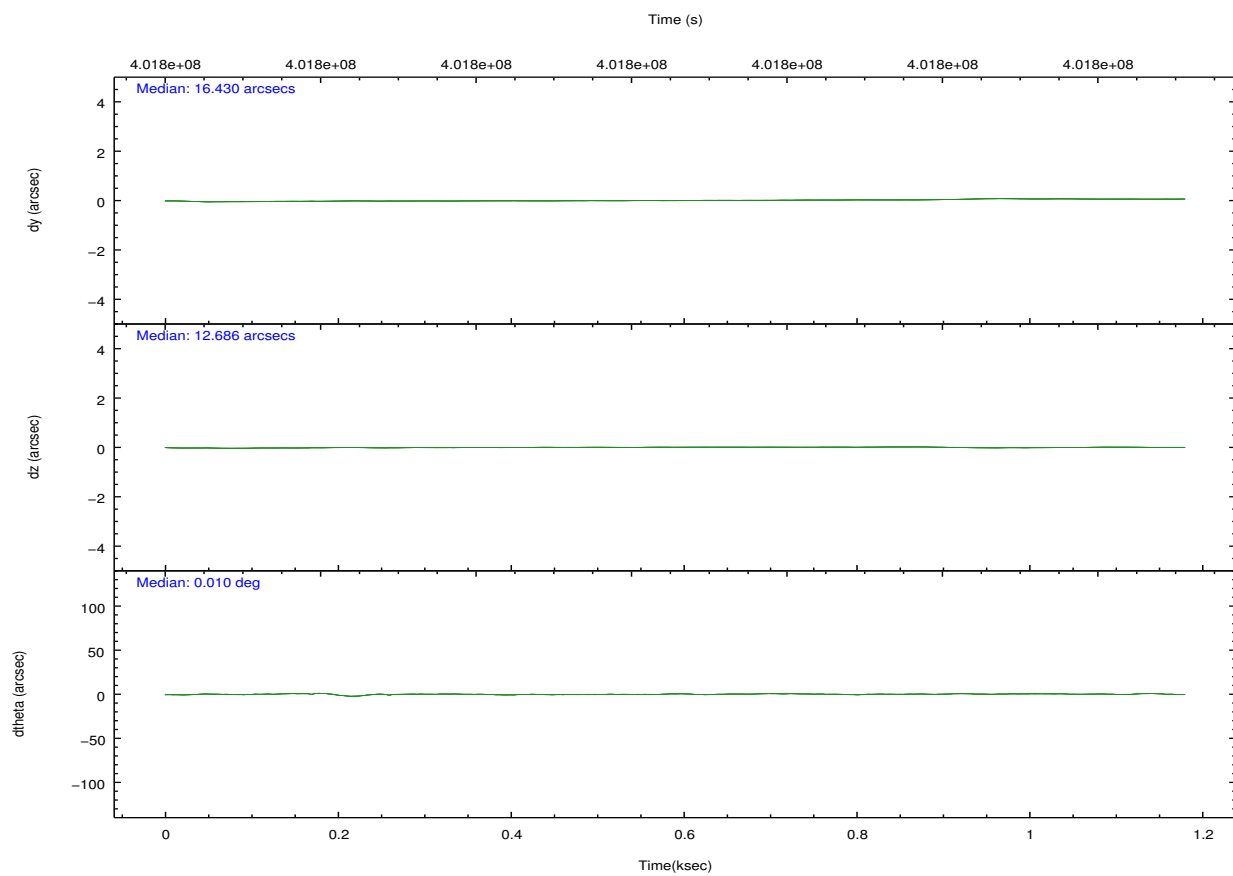
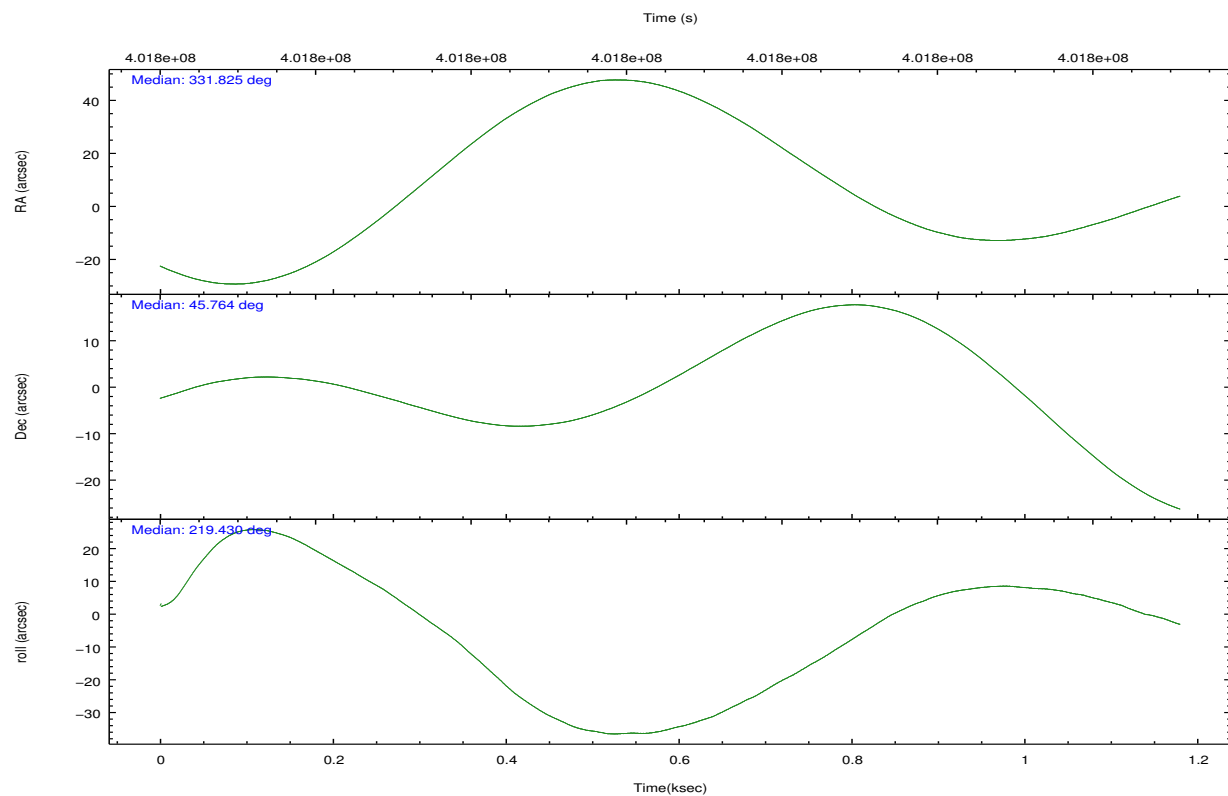
	<b>segment 0</b>
level 1 events	150384
rejected events	23038
rejected %	15%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	331.840895	331.8269196605916			
[deg] Pointing Dec	45.789678	45.76423969535292			
[deg] Pointing Roll	219.518426	219.4328966087571			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	401802643.184000	401802267.43866			
Observation start date	2010-09-25T11:49:37	2010-09-25T11:44:27			
[s] Observation end time (MET)	401803643.184000	401803780.33874			
Observation end date	2010-09-25T12:06:17	2010-09-25T12:09:40			

## 2.3 Aspect





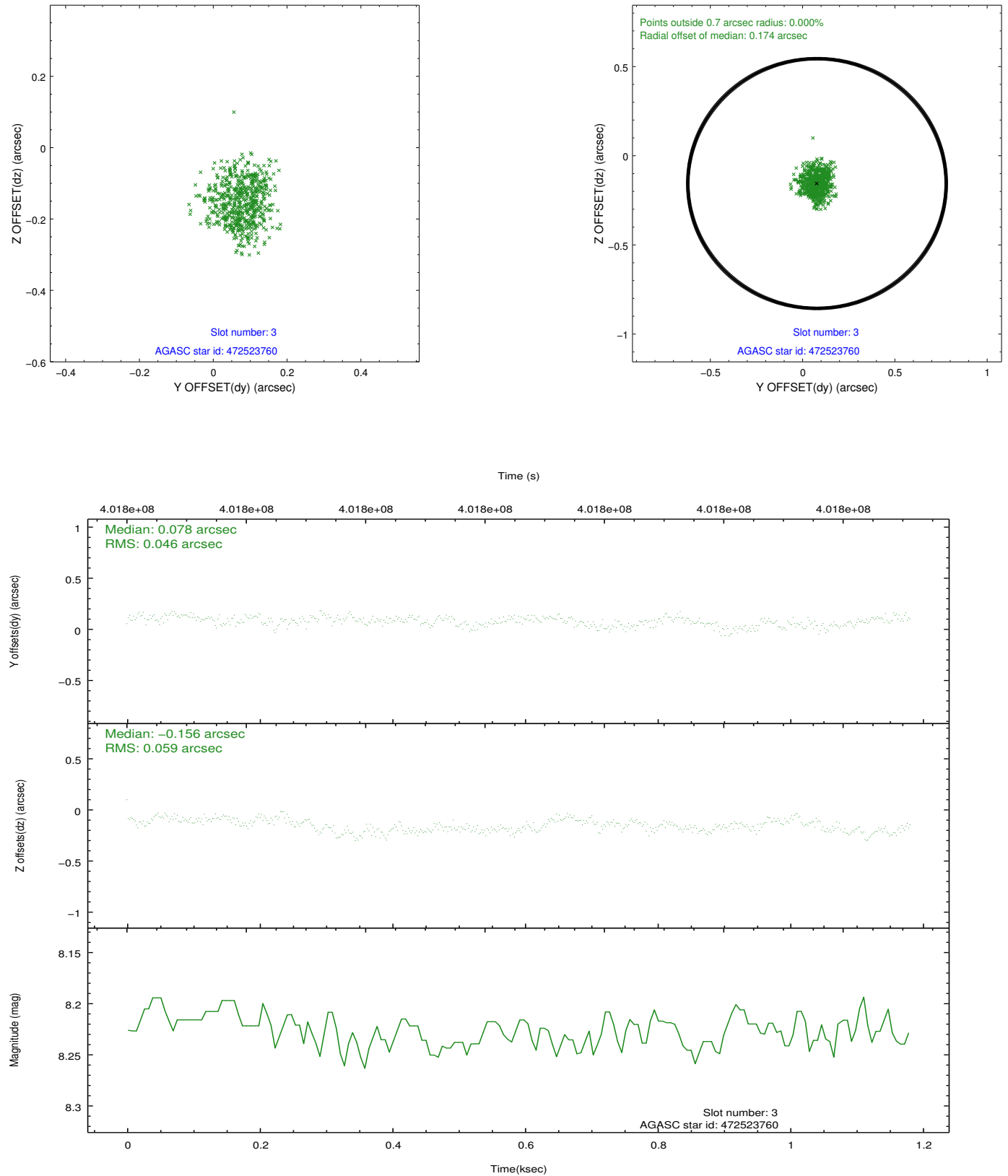
### Slot Statistics

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	288	-0.068	0.043	0.007	0.011	0.000000	0.000000	-772.38	-1300.64
1	FID	HRC-I-2	7.00	288	0.226	-0.136	0.007	0.012	0.000000	0.000000	837.86	-1306.94
2	FID	HRC-I-3	7.05	288	-0.040	0.004	0.006	0.013	0.000000	0.000000	-1197.88	999.36
3	GUIDE	472523760	8.23	576	0.078	-0.156	0.079	0.125	331.645363	45.403260	1264.90	760.85
4	GUIDE	472527720	7.00	577	-0.212	-0.014	0.083	0.147	331.460205	45.112509	2296.47	1267.63
5	GUIDE	472535576	7.87	577	0.000	0.067	0.064	0.105	331.438373	46.291802	-376.63	-2028.60
6	GUIDE	472655152	9.41	577	0.069	-0.098	0.154	0.266	332.504239	45.862991	-1457.17	848.40
7	GUIDE	472536328	8.13	576	0.058	0.177	0.072	0.123	331.496671	46.454831	-869.92	-2387.56

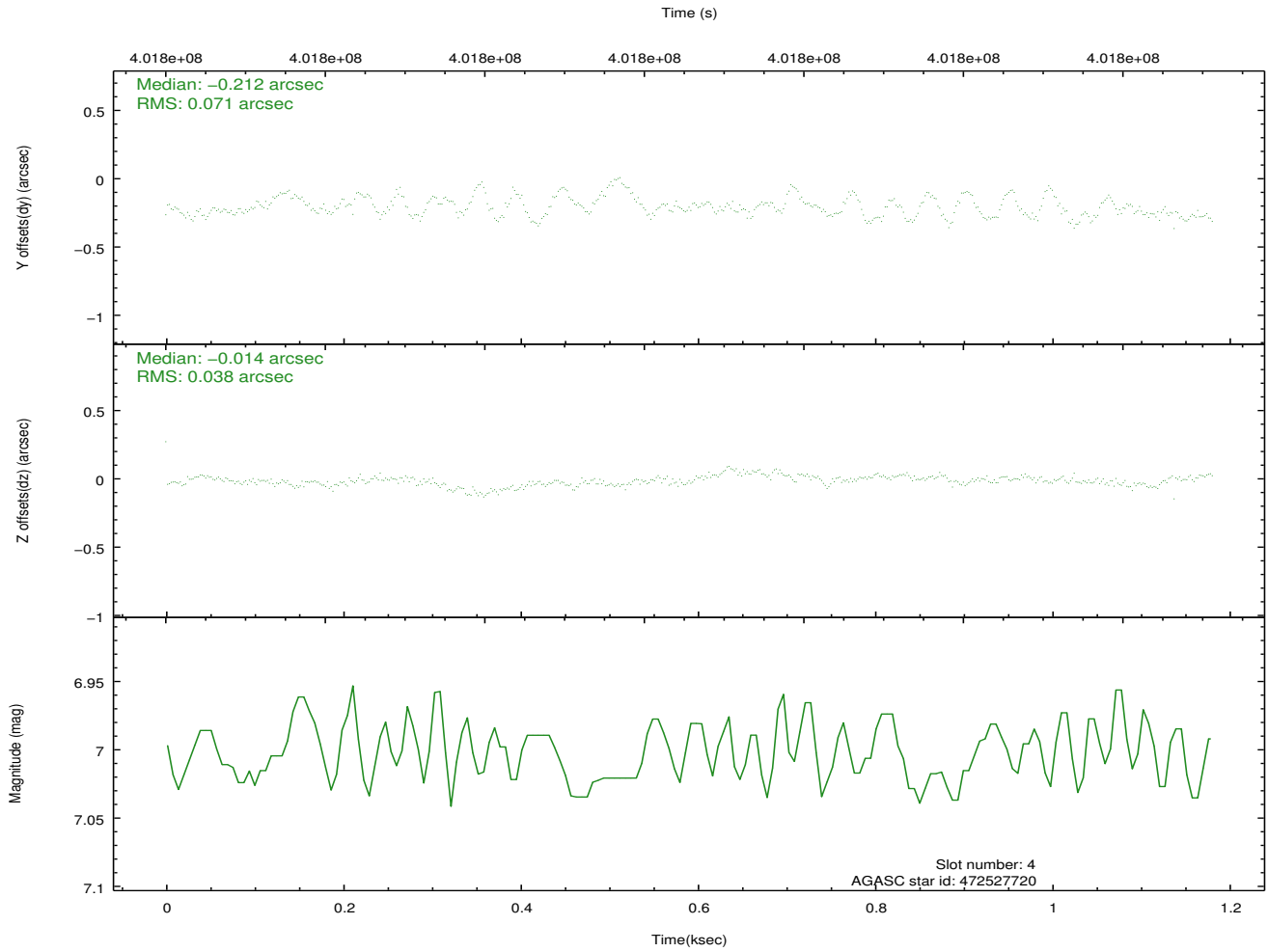
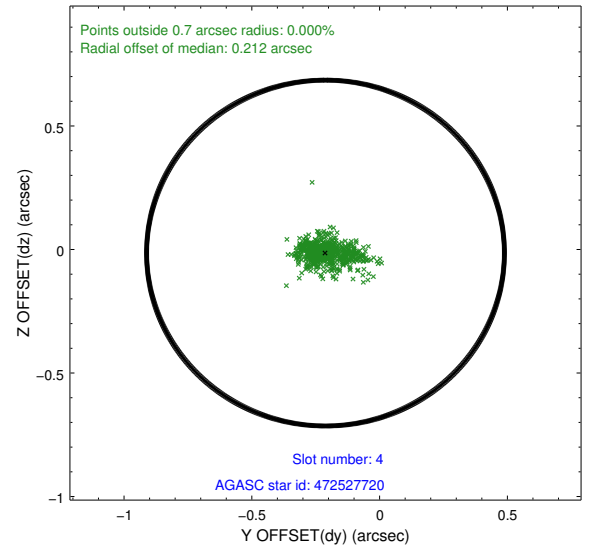
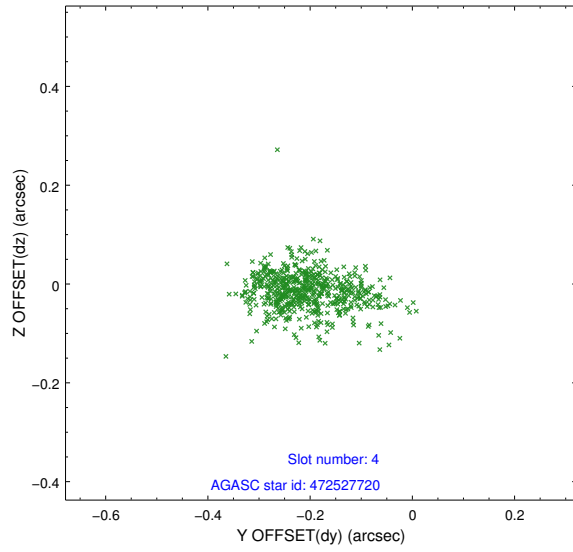


## 2.4 Star Slots

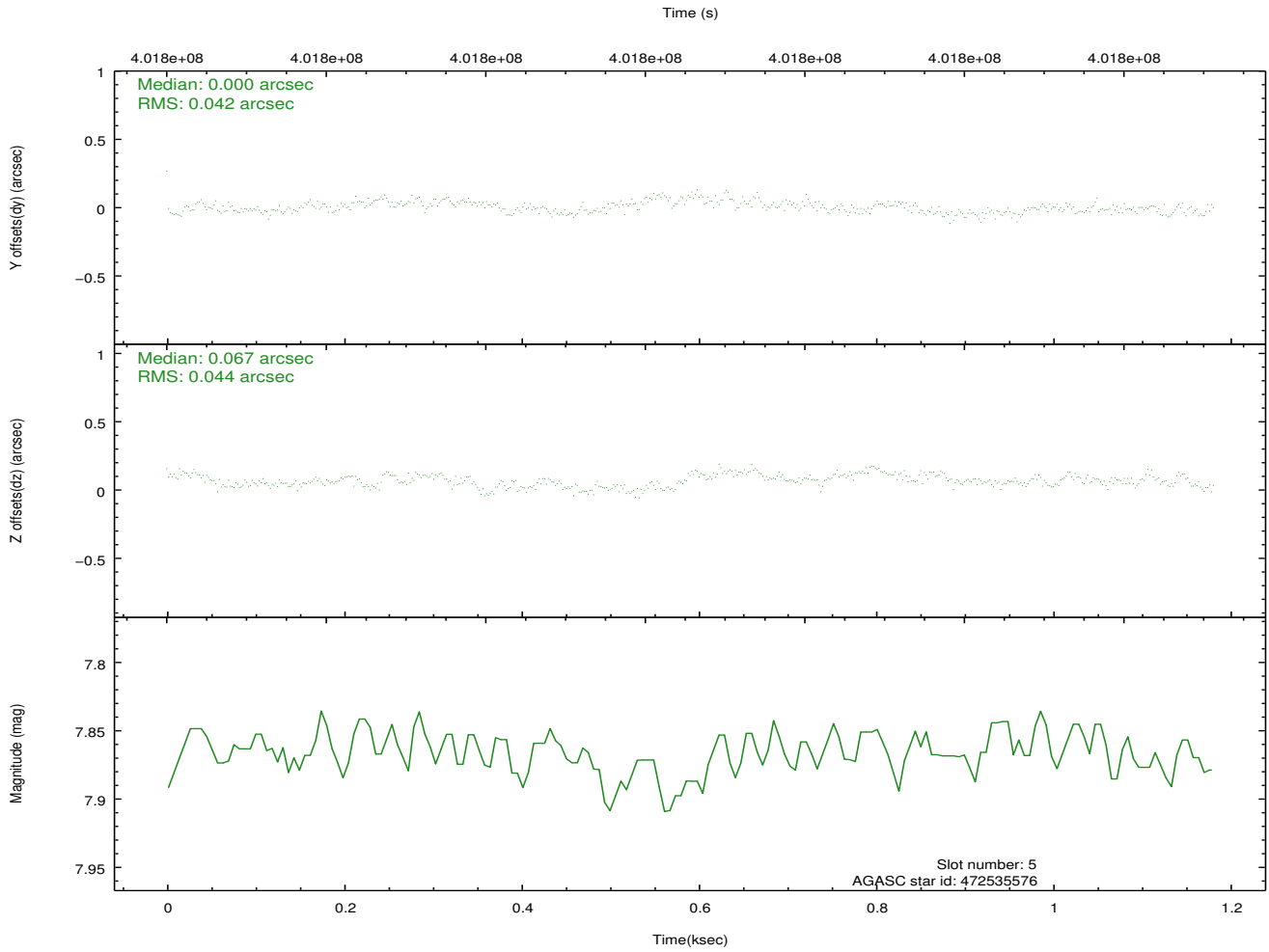
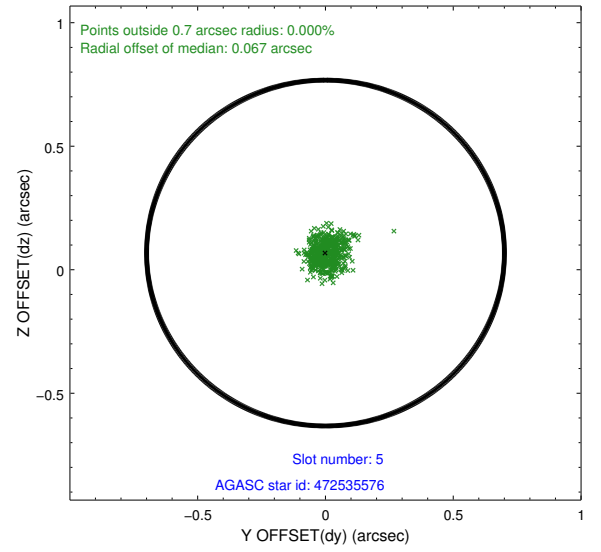
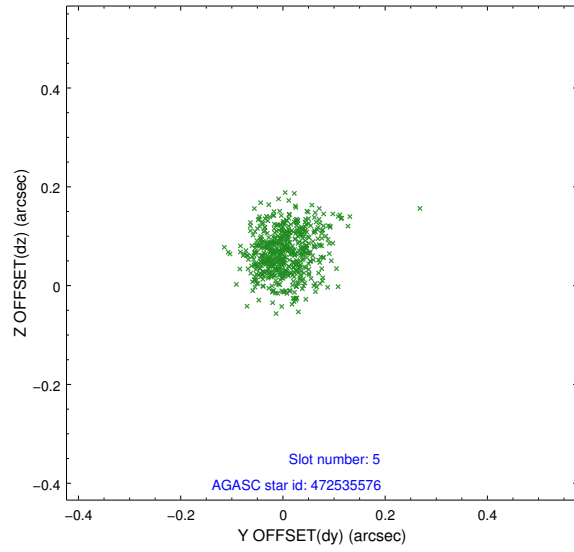
### 2.4.1 Slot 3



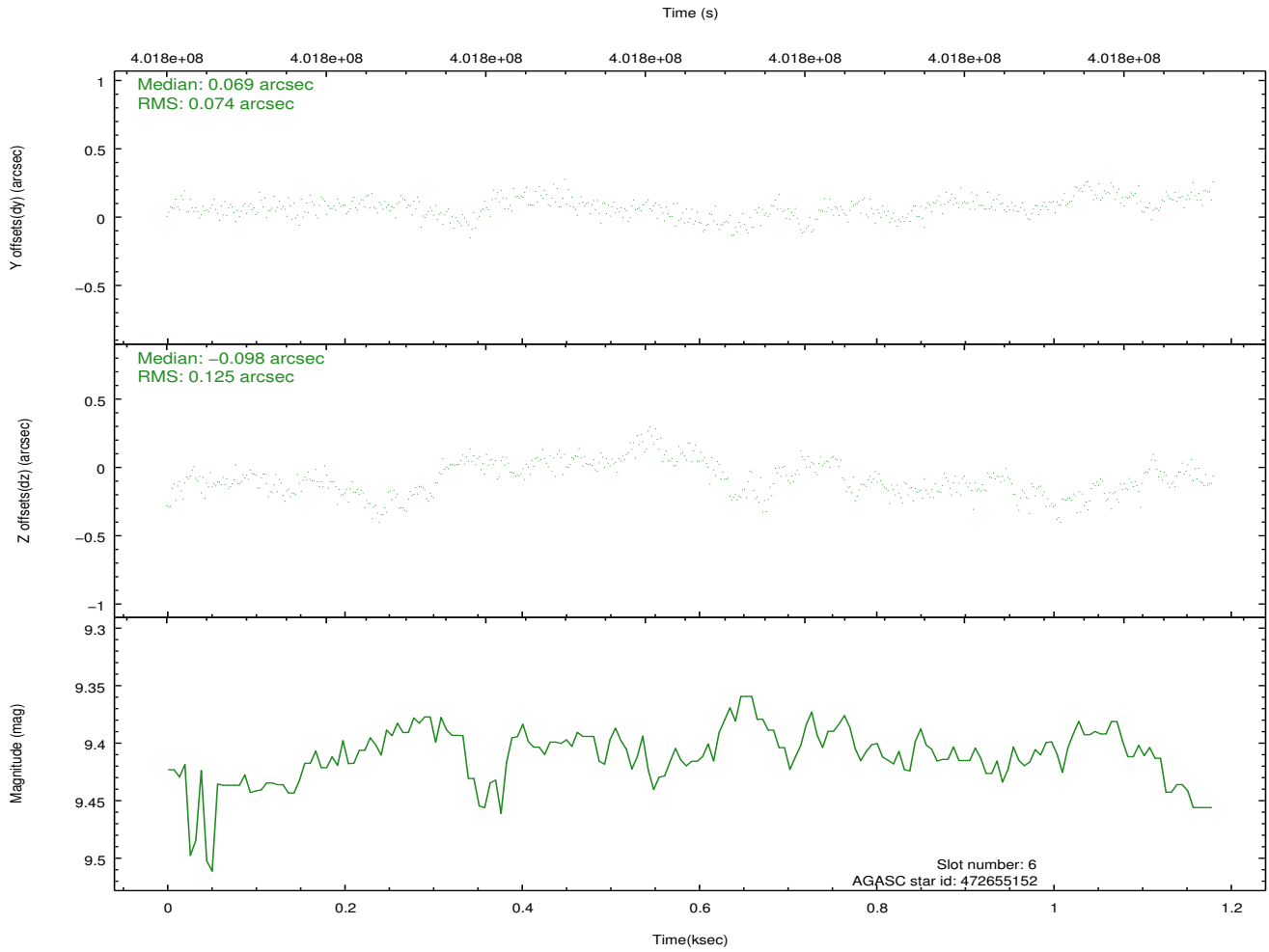
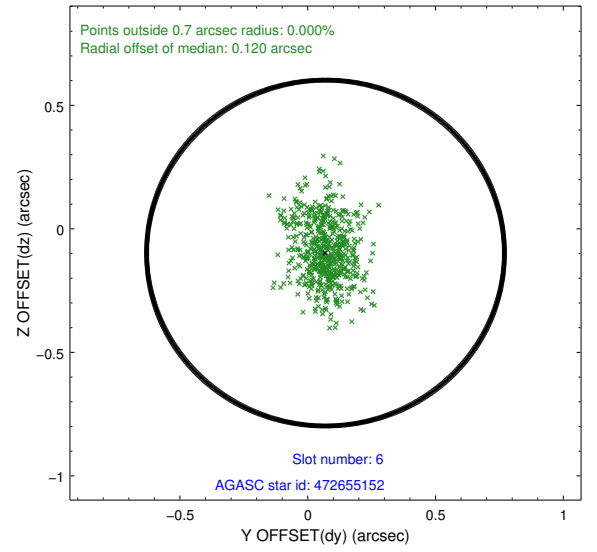
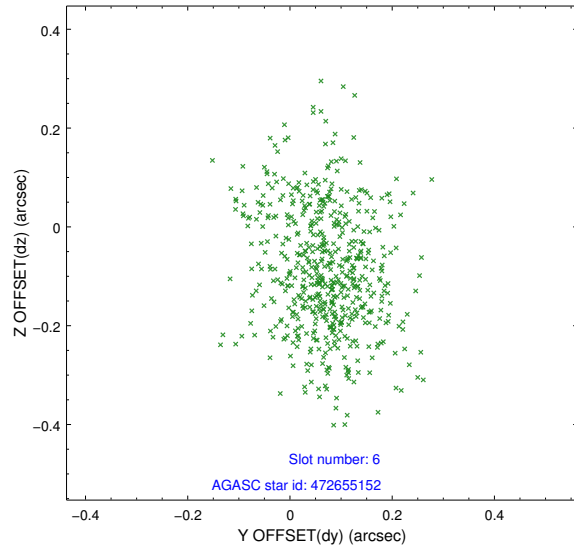
## 2.4.2 Slot 4



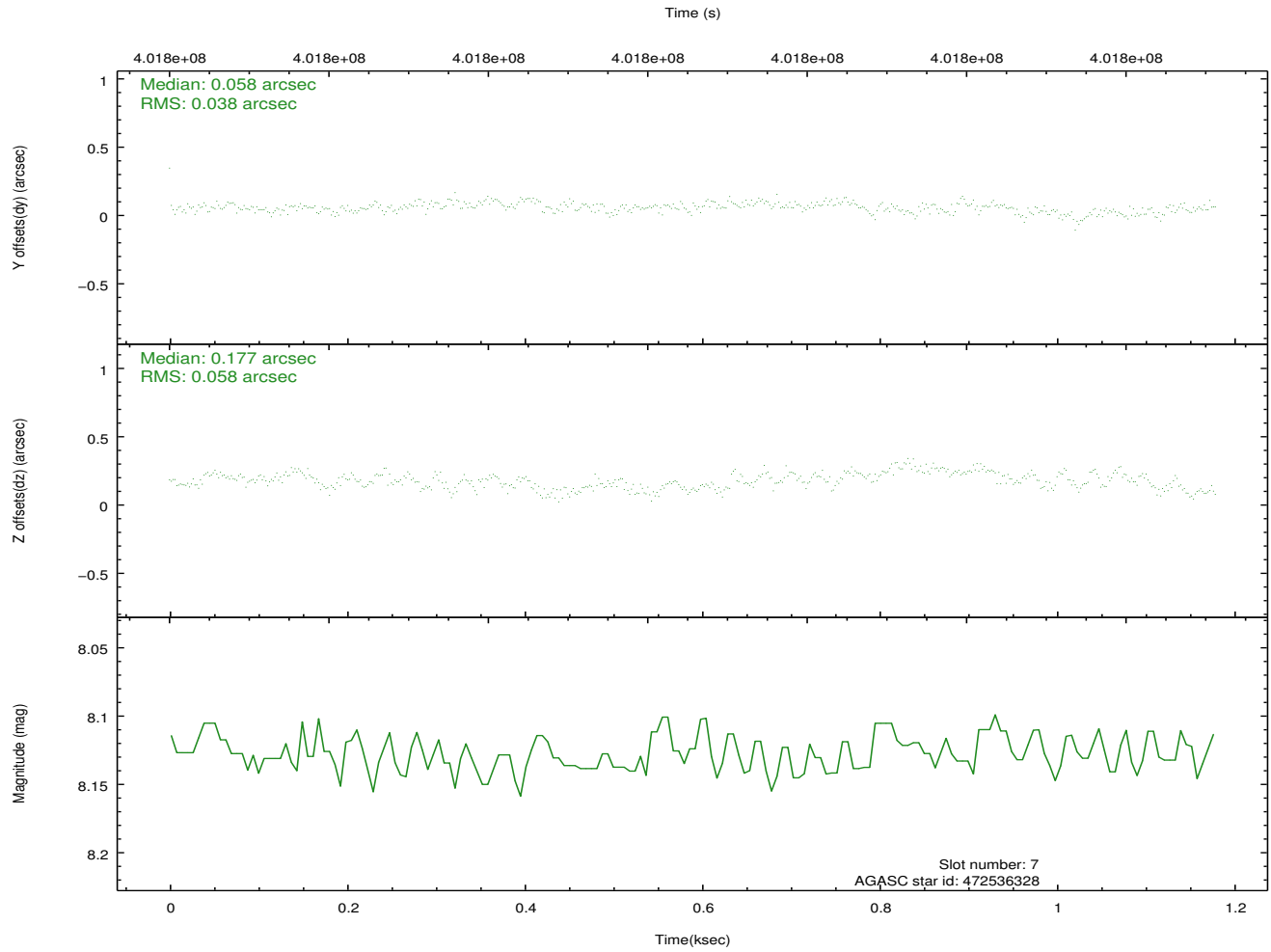
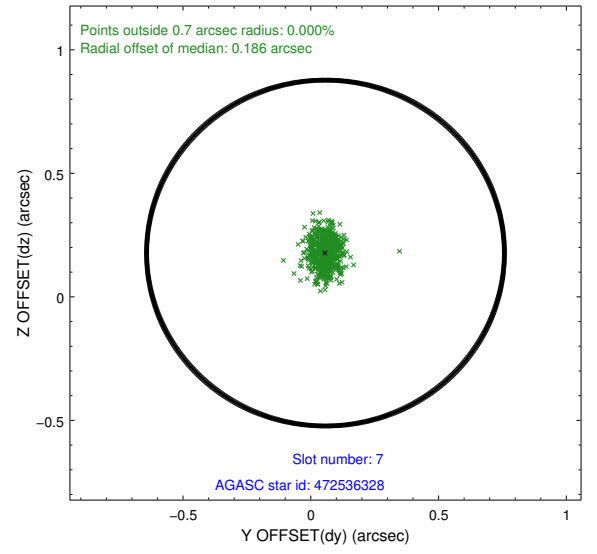
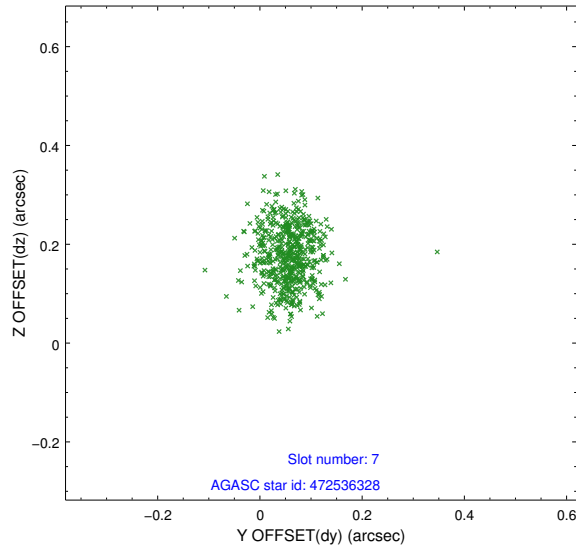
### 2.4.3 Slot 5



## 2.4.4 Slot 6

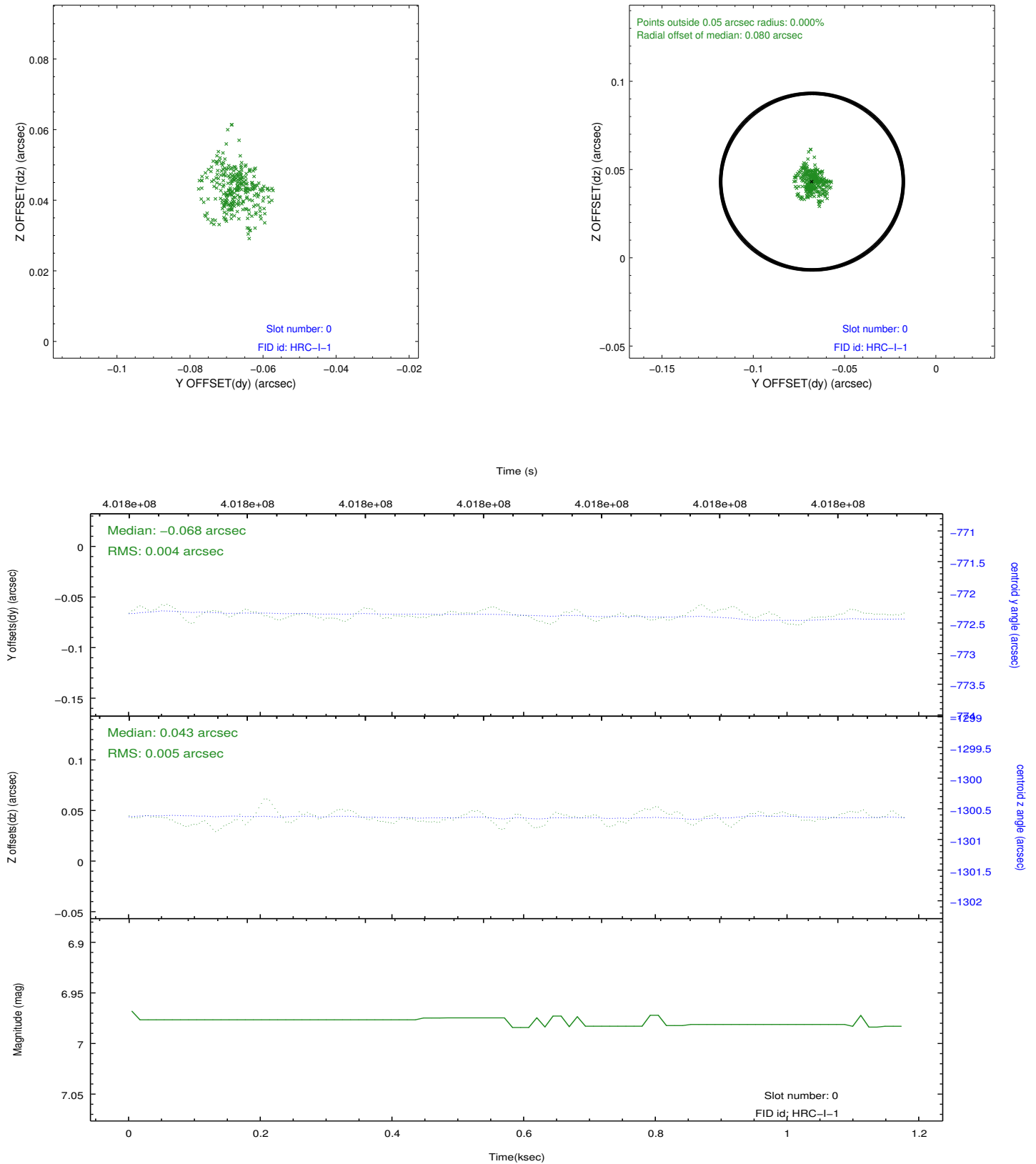


## 2.4.5 Slot 7

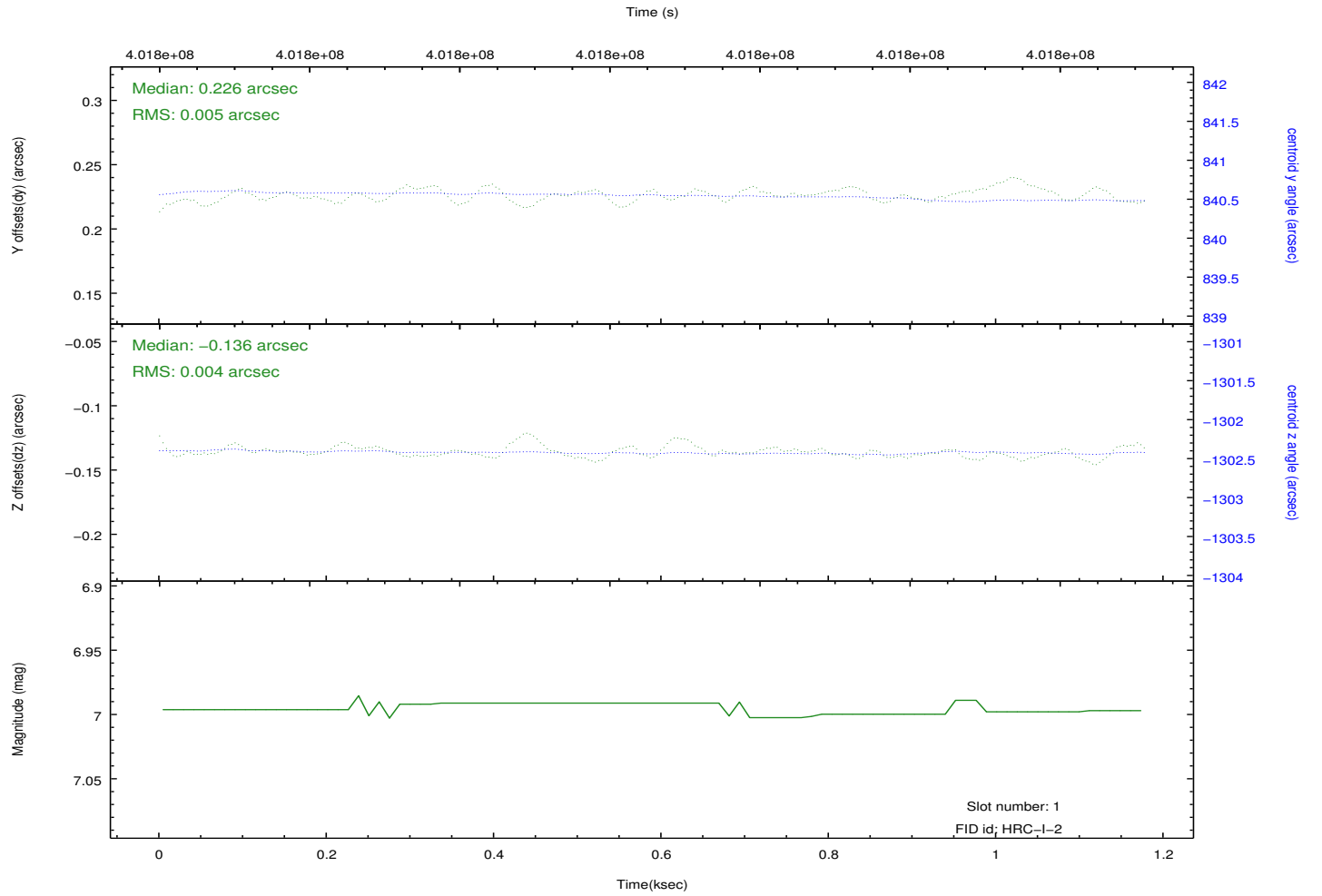
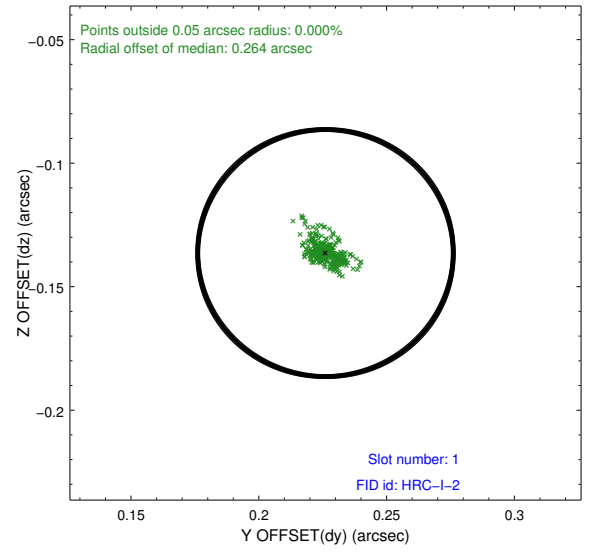
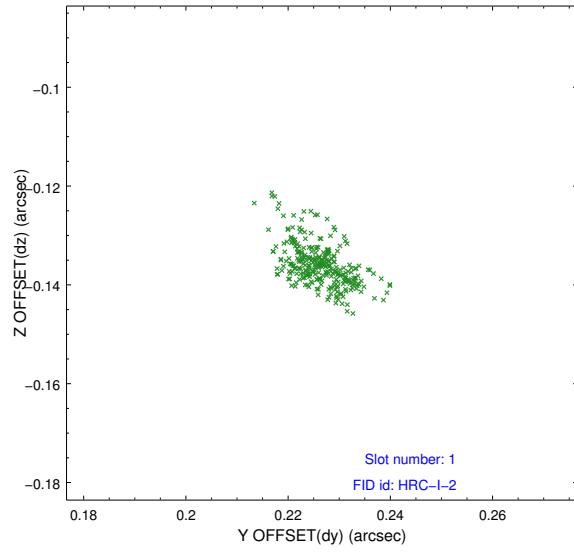


## 2.5 FID Slots

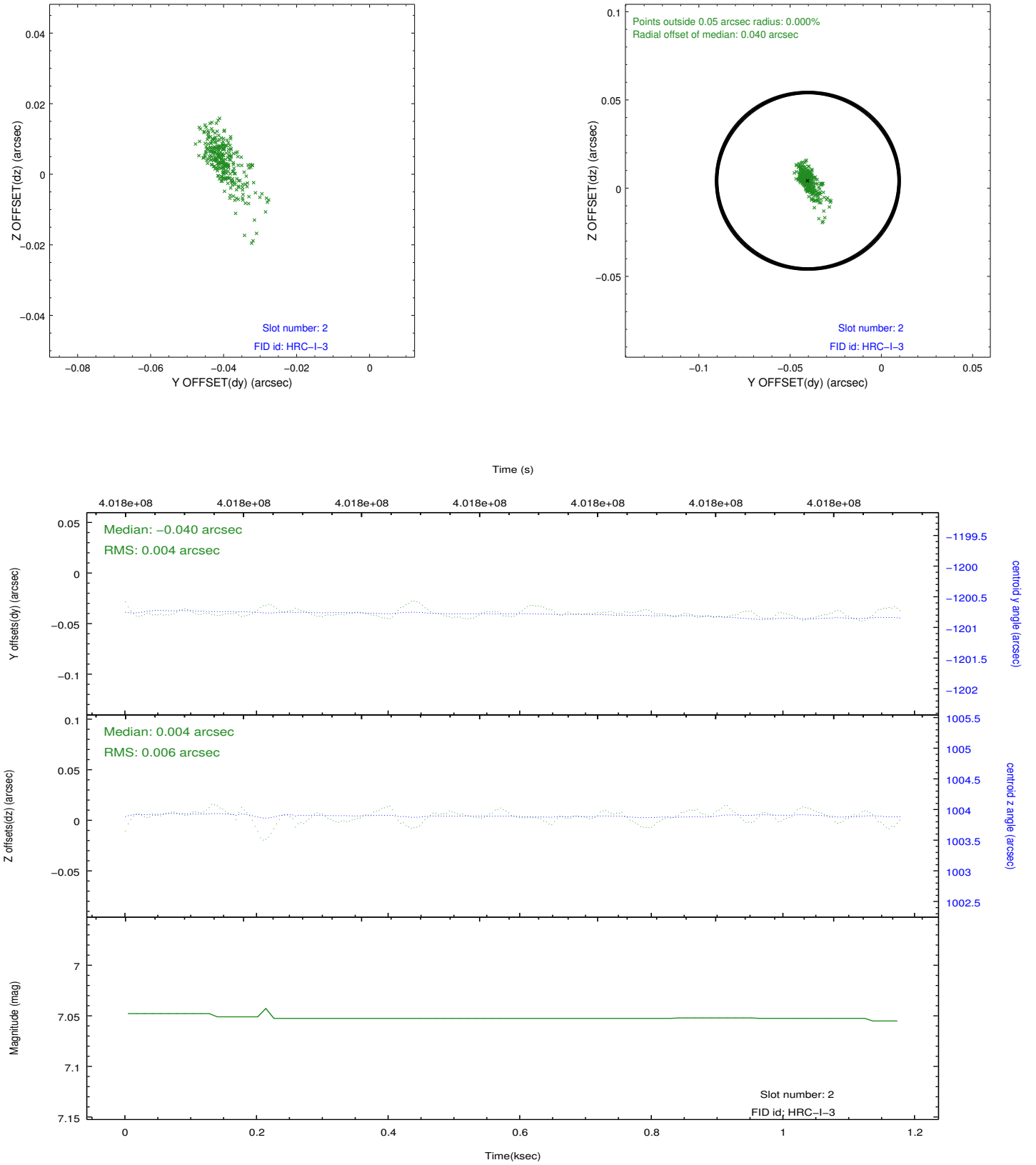
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1797750604153

### A.2 Comments