

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10590 - L2 Version 3  
Chandra X-Ray Center

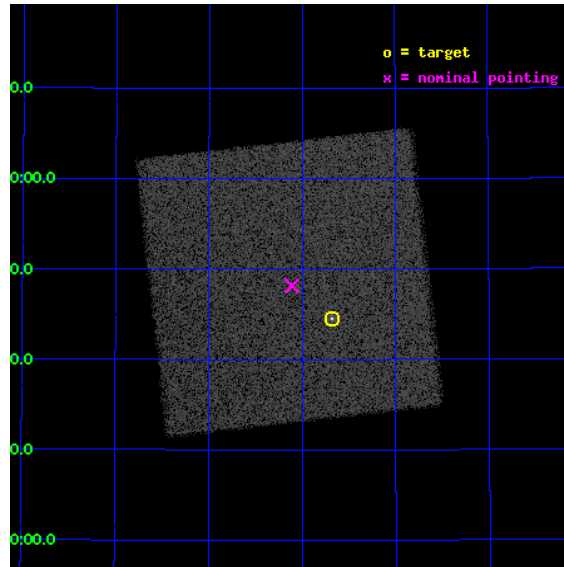
L2 Processing Date : Aug 13 2012

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# 1 Front

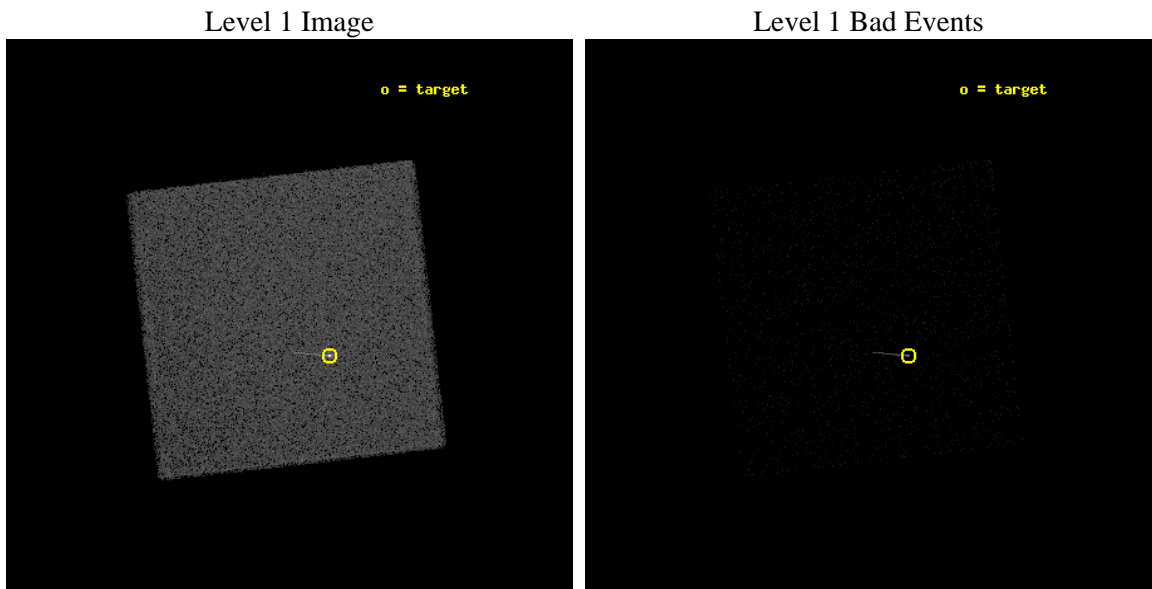
seq_num	290826	Sequence number
obs_id	10590	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.27733321111	Nominal RA [deg]
dec_nom	45.802831982825	Nominal Dec [deg]
roll_nom	218.51510634304	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1180.0313093066	[s]
livetime	1165.2287876582	Ontime multiplied by DTCOR
l2events	94599	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	1180.0313093066	[s]
caldsver	4.5.1.1	&#160	l1events	173382	Number of level 1 events
date	2012-08-13T14:38:16	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

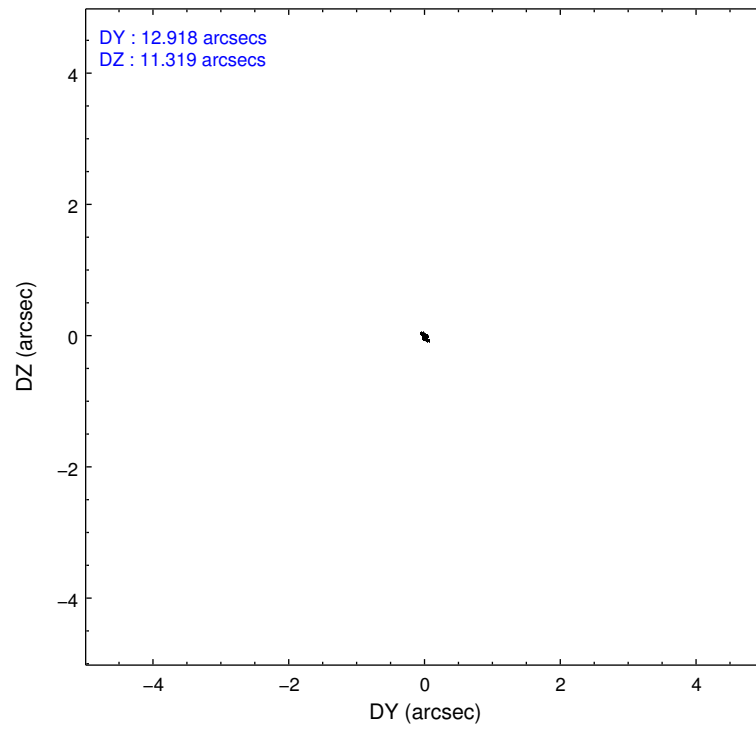
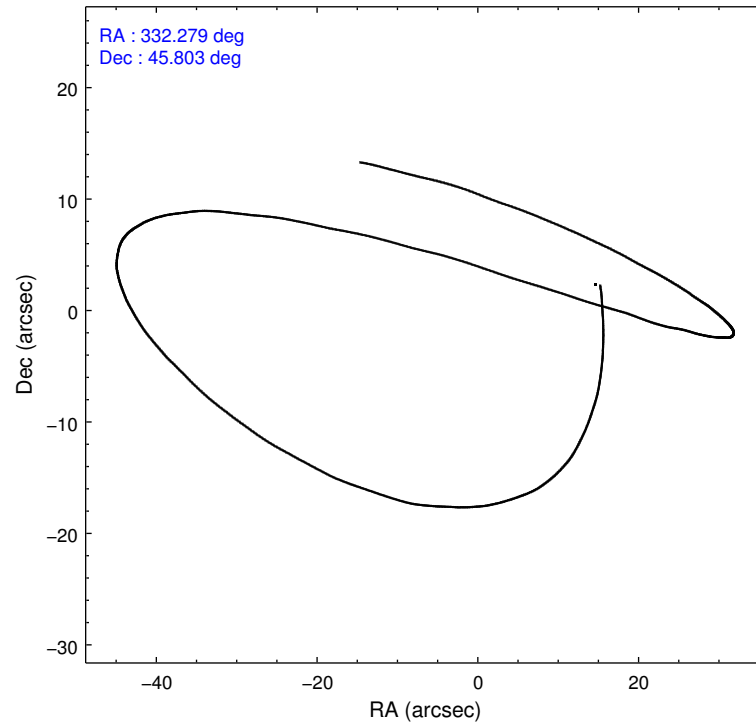
	<b>segment 0</b>
level 1 events	173382
rejected events	37965
rejected %	21%

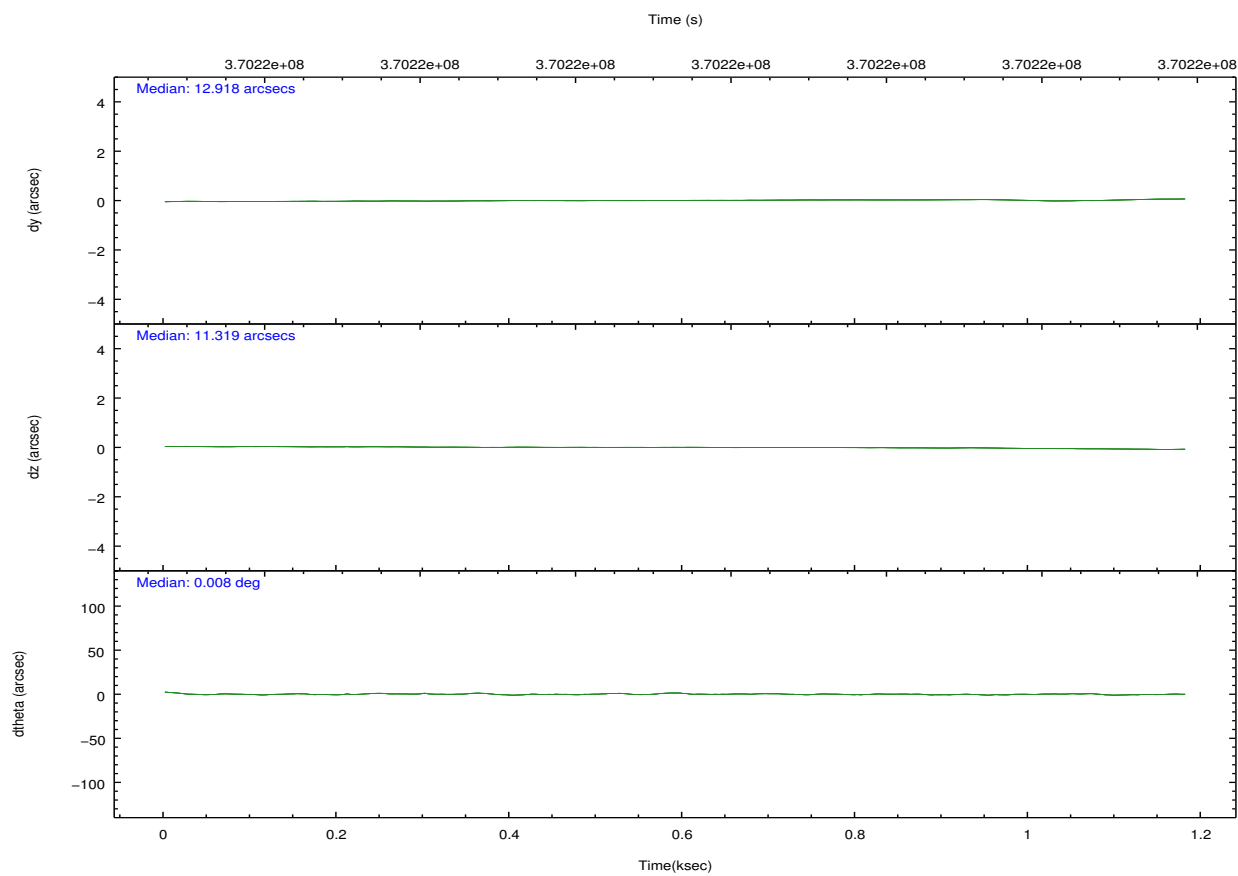
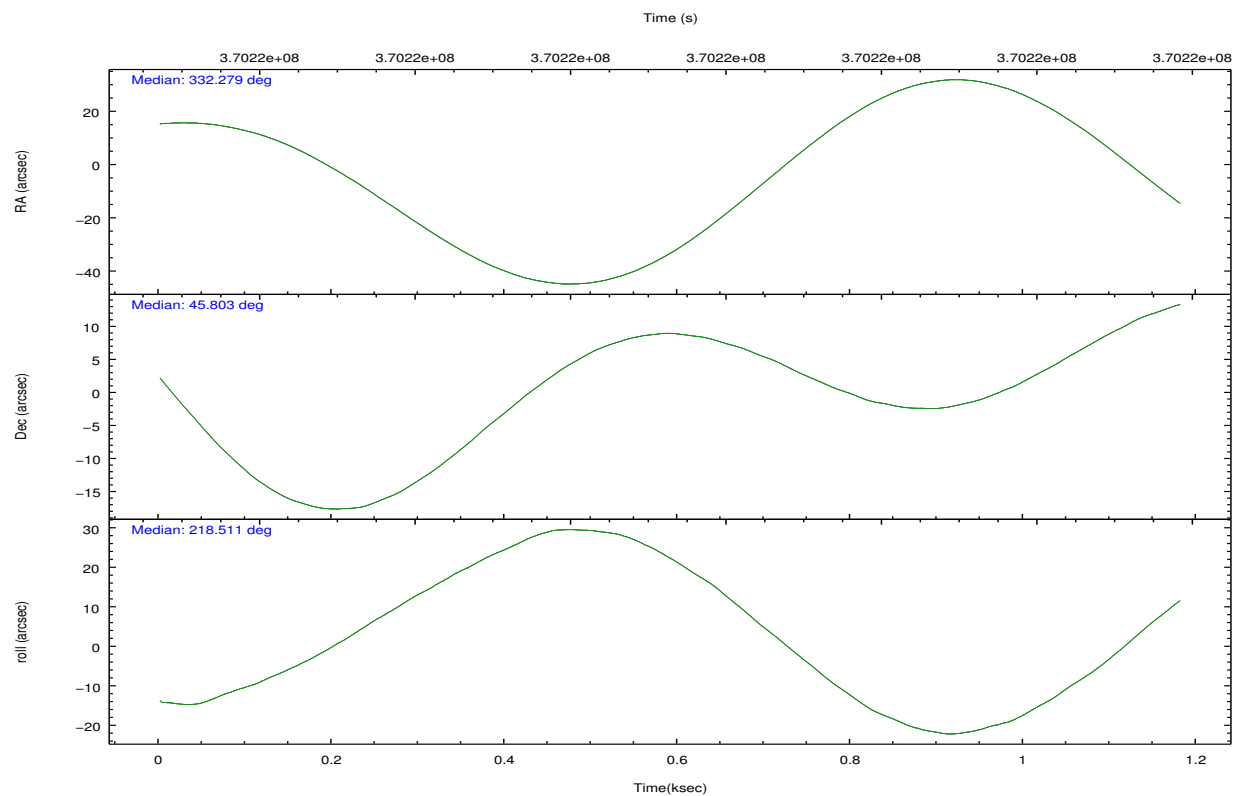
## 2.2 Compared Parameters

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	332.289623	332.2773332111057
[deg] Pointing Dec	45.829055	45.80283198282523
[deg] Pointing Roll	218.601790	218.5151063430389
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9804656746847
[mm] SIM translation stage offset	0	0.005023216916882234
[s] Observation start time (MET)	370216919.184000	370216543.35952
Observation start date	2009-09-24T22:00:53	2009-09-24T21:55:43
[s] Observation end time (MET)	370217919.184000	370218053.18459
Observation end date	2009-09-24T22:17:33	2009-09-24T22:20:53

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

## 2.3 Aspect





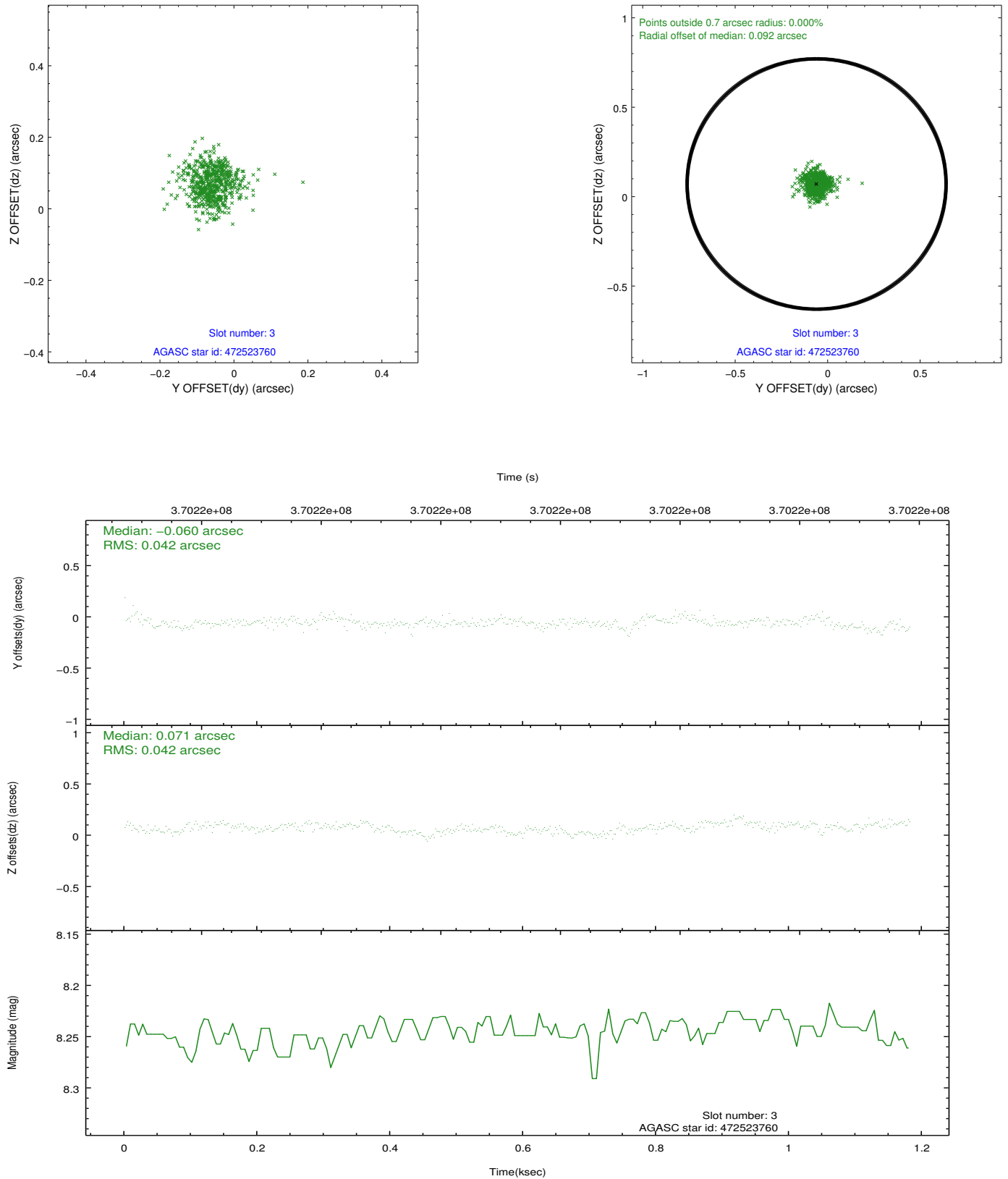
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	288	-0.066	0.007	0.007	0.012	0.000000	0.000000	-768.71	-1299.24
1	FID	HRC-I-2	7.01	288	0.218	-0.120	0.006	0.012	0.000000	0.000000	841.53	-1305.42
2	FID	HRC-I-3	7.07	288	-0.033	0.024	0.005	0.010	0.000000	0.000000	-1194.28	1000.80
3	GUIDE	472523760	8.25	577	-0.060	0.071	0.061	0.101	331.645363	45.403260	2226.05	173.55
4	GUIDE	472533912	9.15	576	0.111	0.113	0.130	0.222	331.791136	46.368695	-241.56	-2296.89
5	GUIDE	472651904	6.13	577	-0.142	-0.276	0.087	0.125	332.170077	45.742257	430.18	48.22
6	GUIDE	472655152	9.43	576	0.031	-0.081	0.122	0.197	332.504239	45.862991	-495.23	236.20
7	GUIDE	472665256	9.02	576	0.054	0.174	0.077	0.127	332.808125	46.195041	-1834.09	-229.89

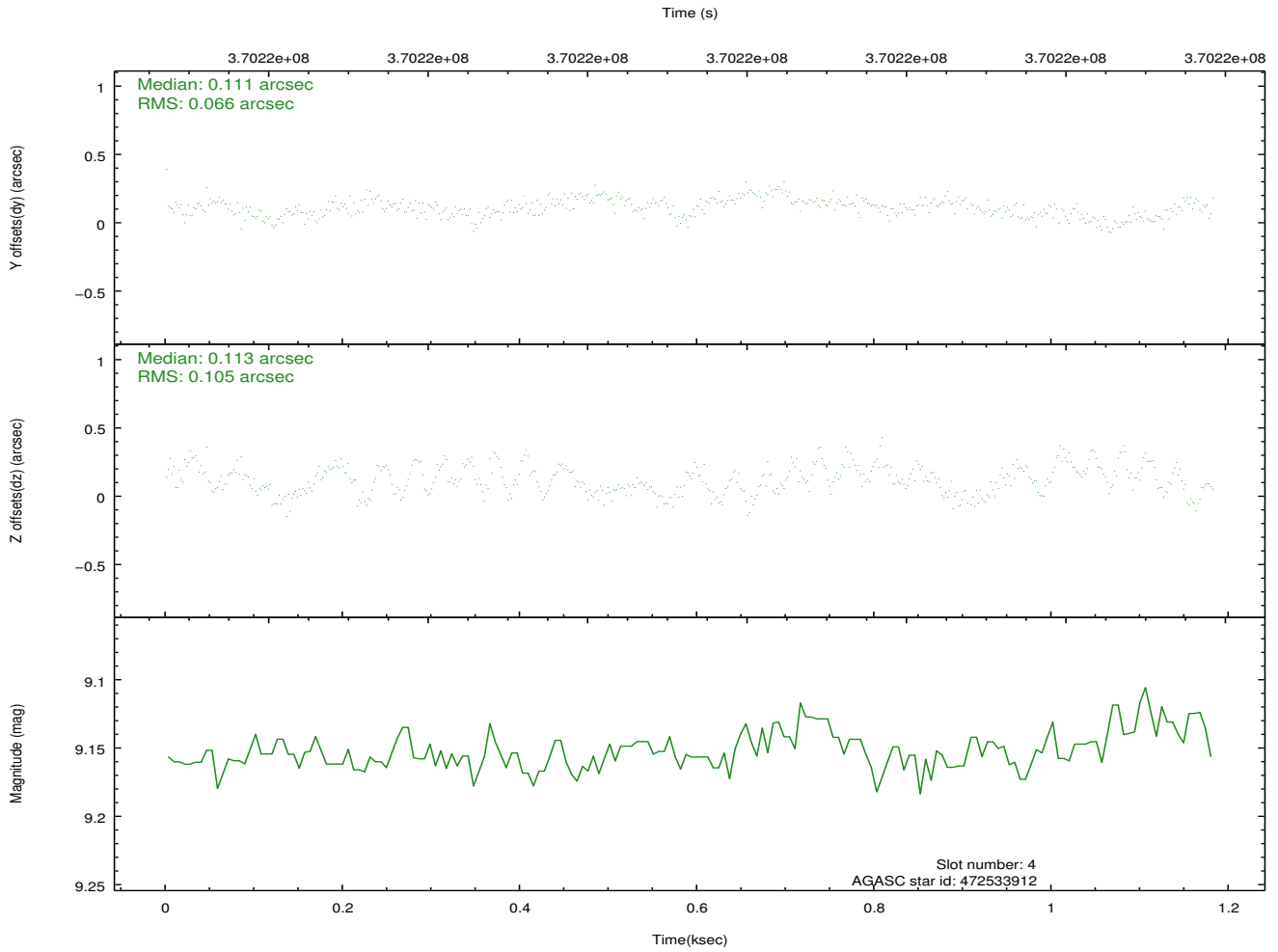
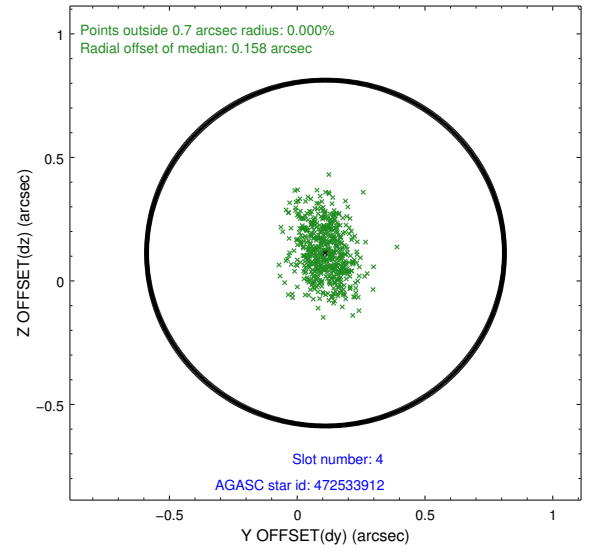
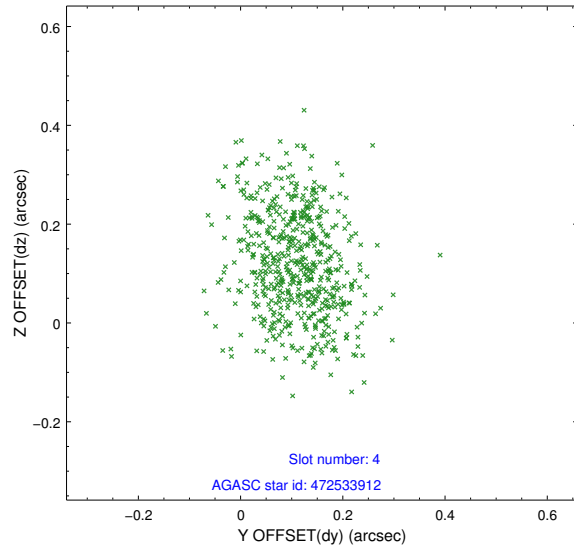


## 2.4 Star Slots

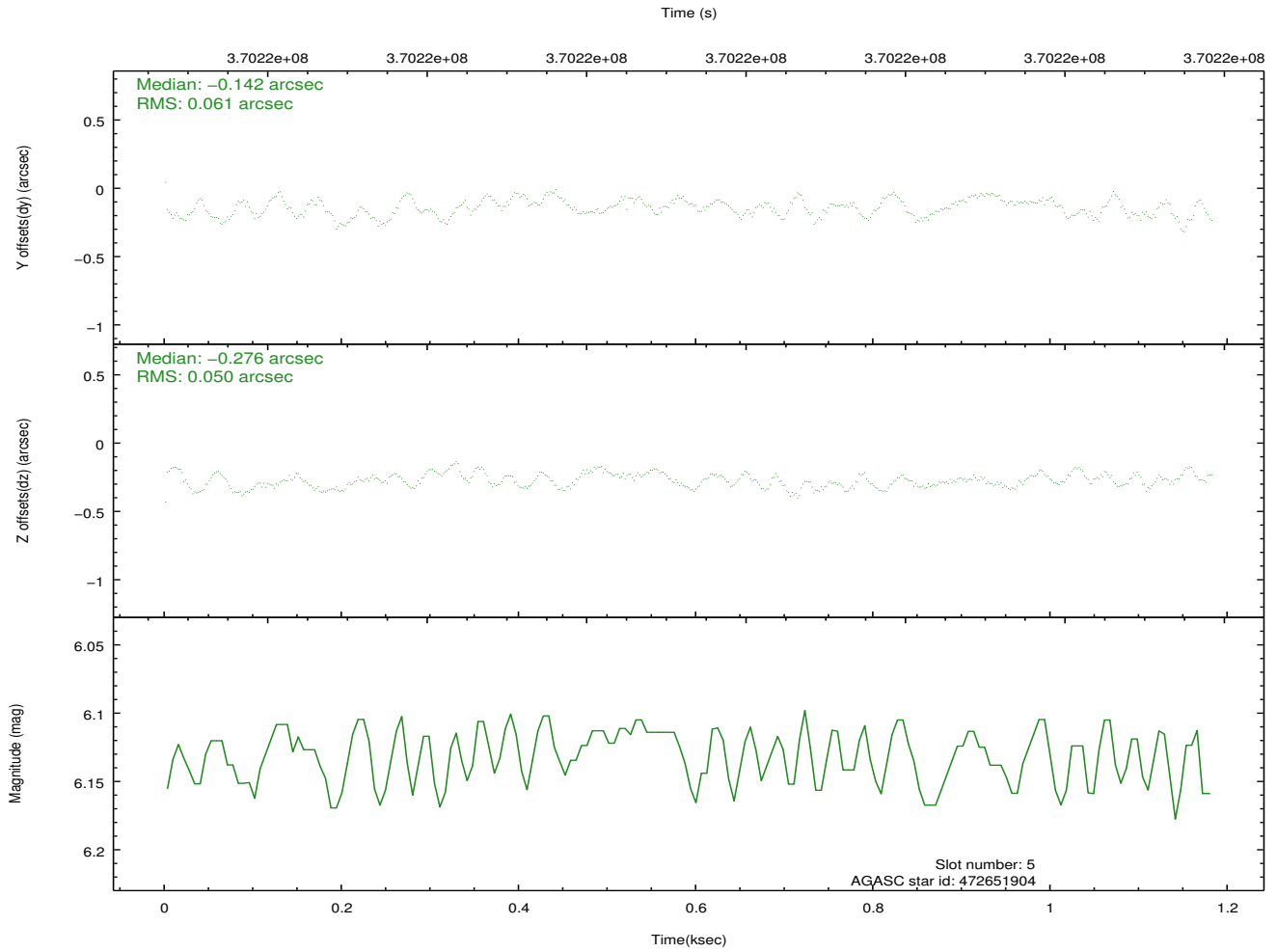
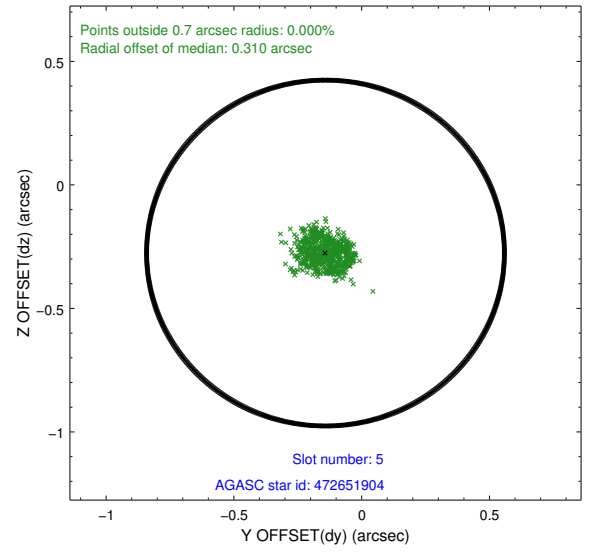
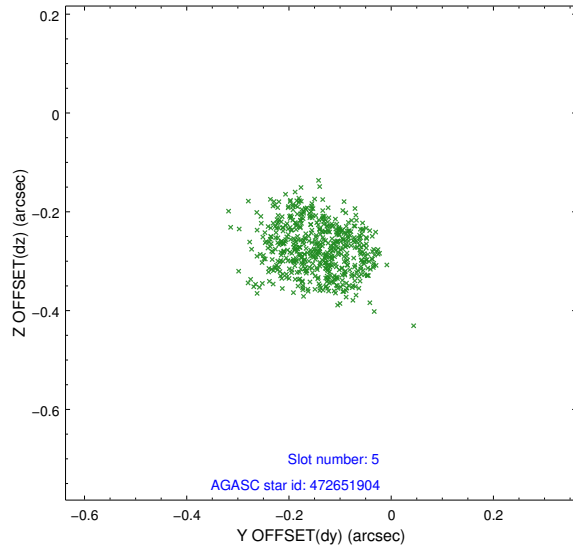
### 2.4.1 Slot 3



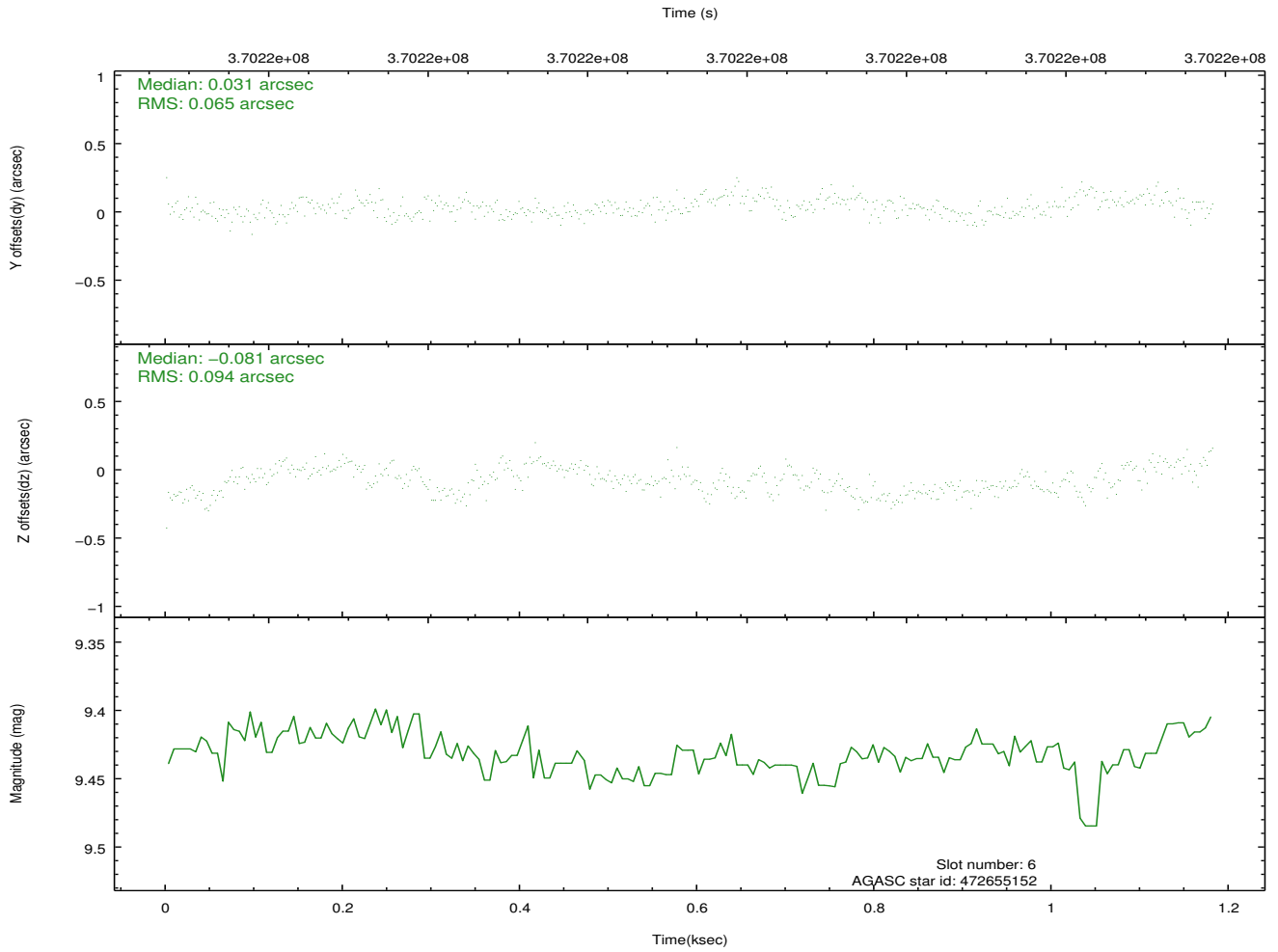
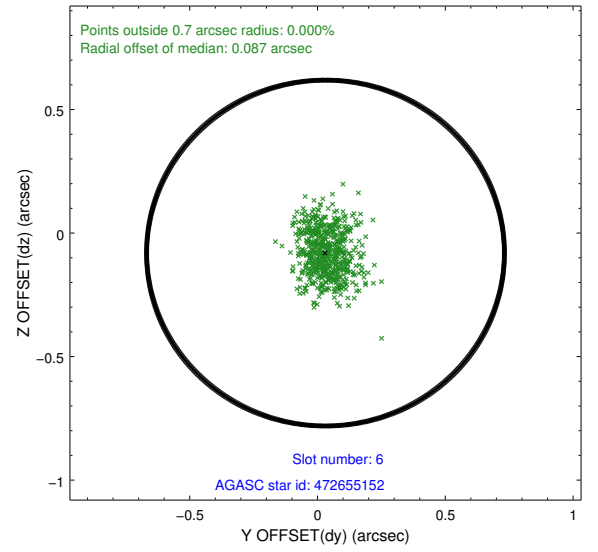
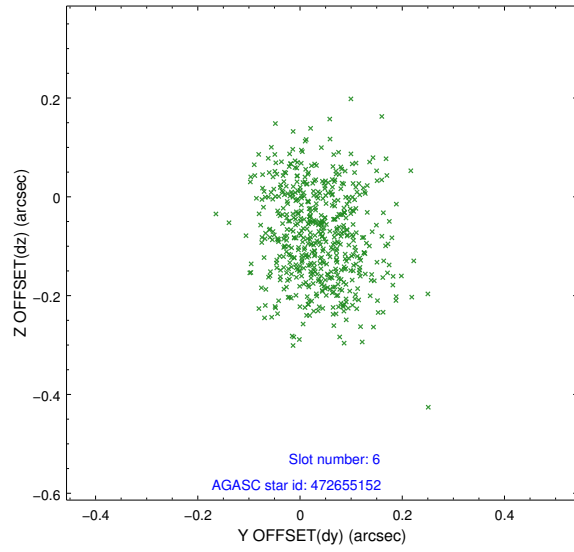
## 2.4.2 Slot 4



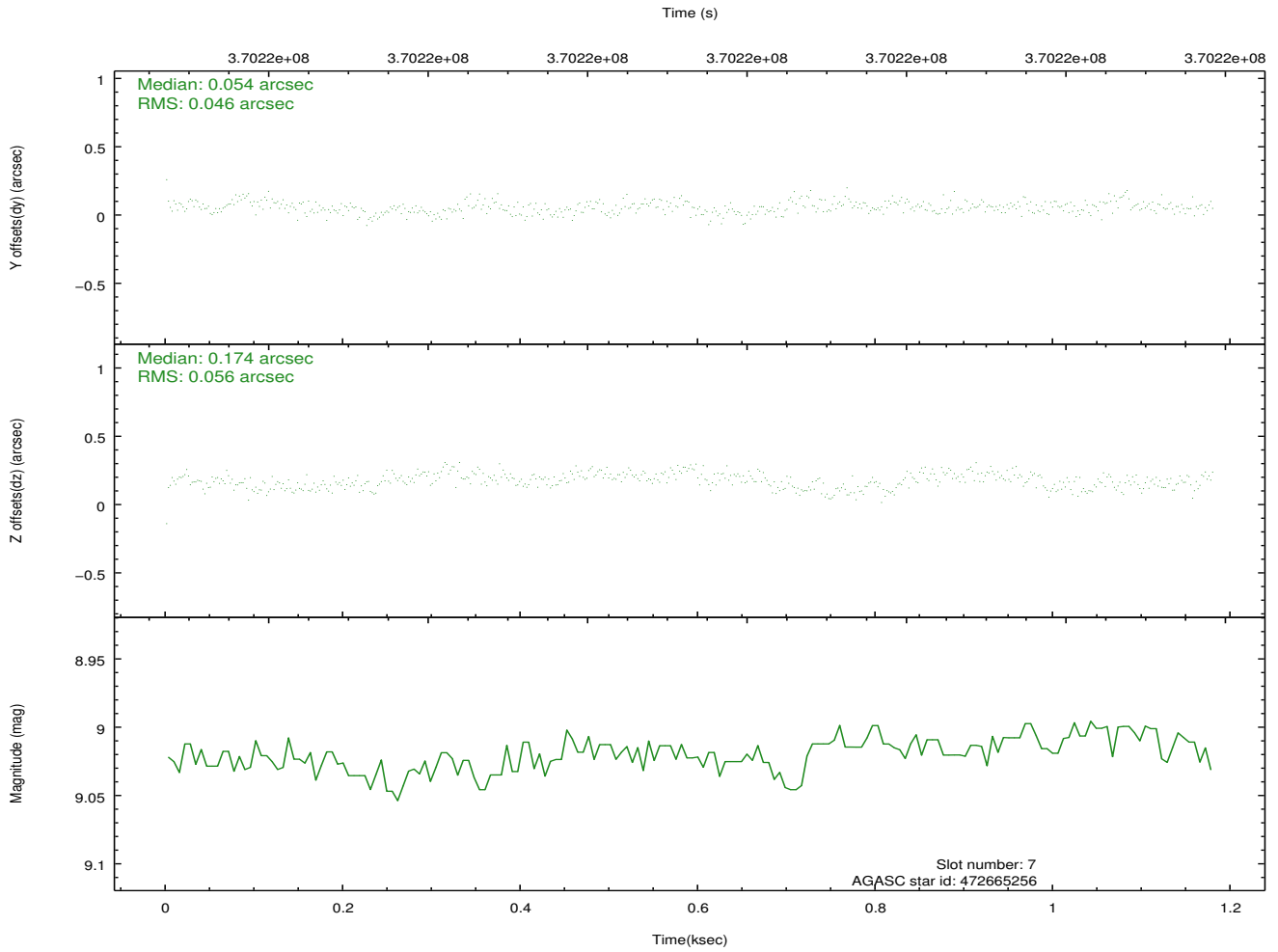
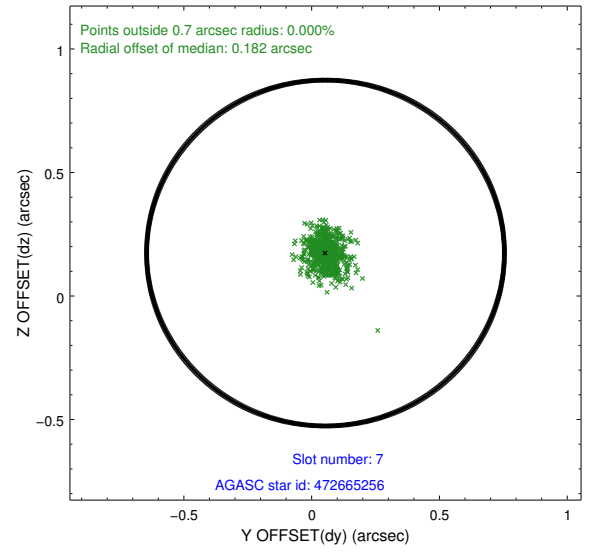
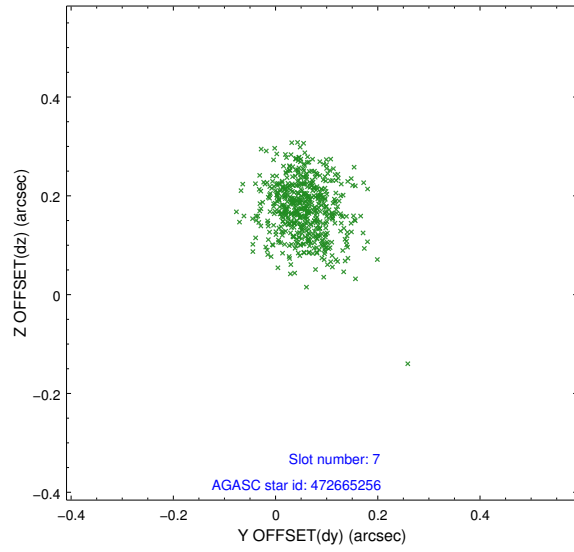
### 2.4.3 Slot 5



## 2.4.4 Slot 6

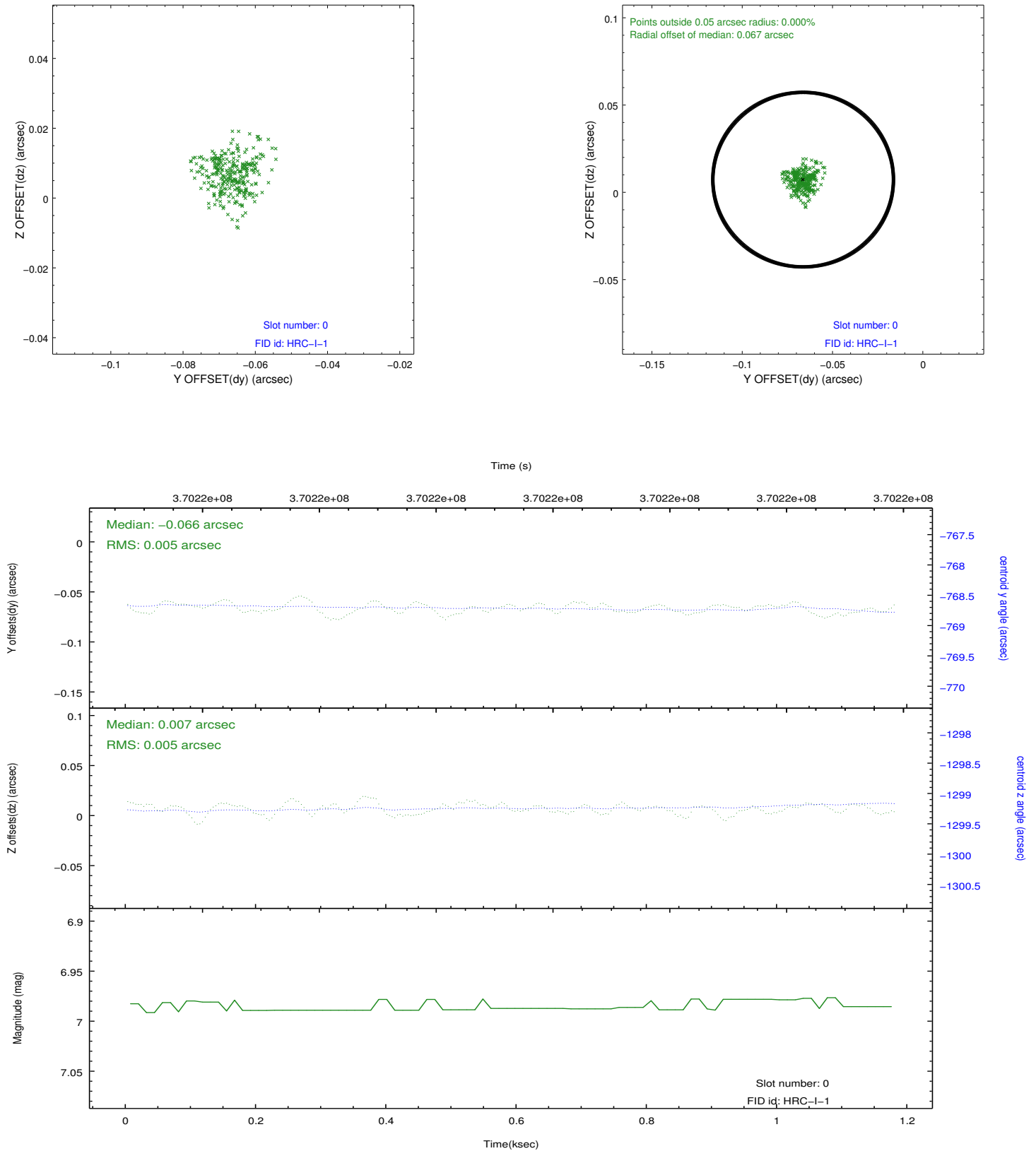


## 2.4.5 Slot 7

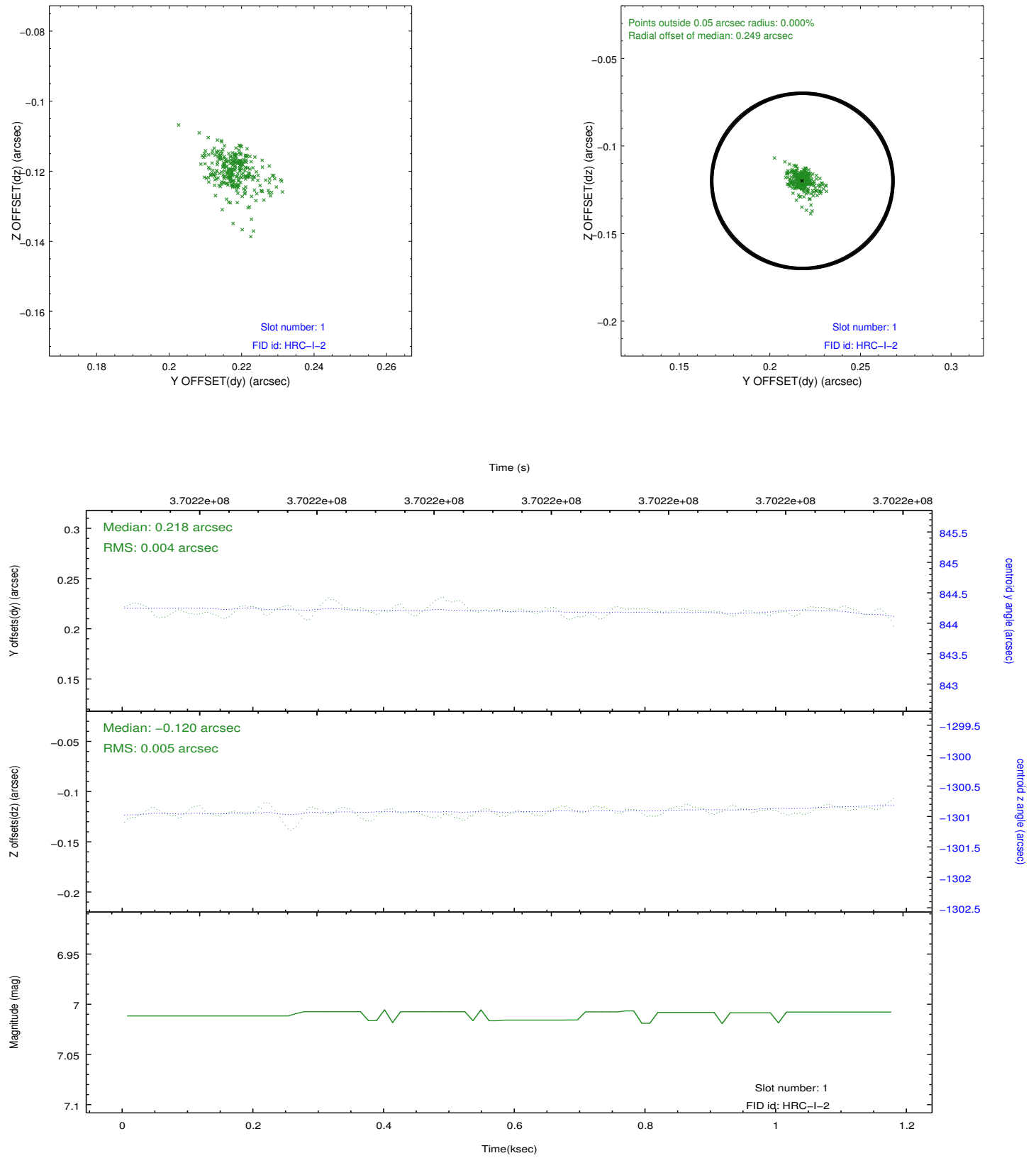


## 2.5 FID Slots

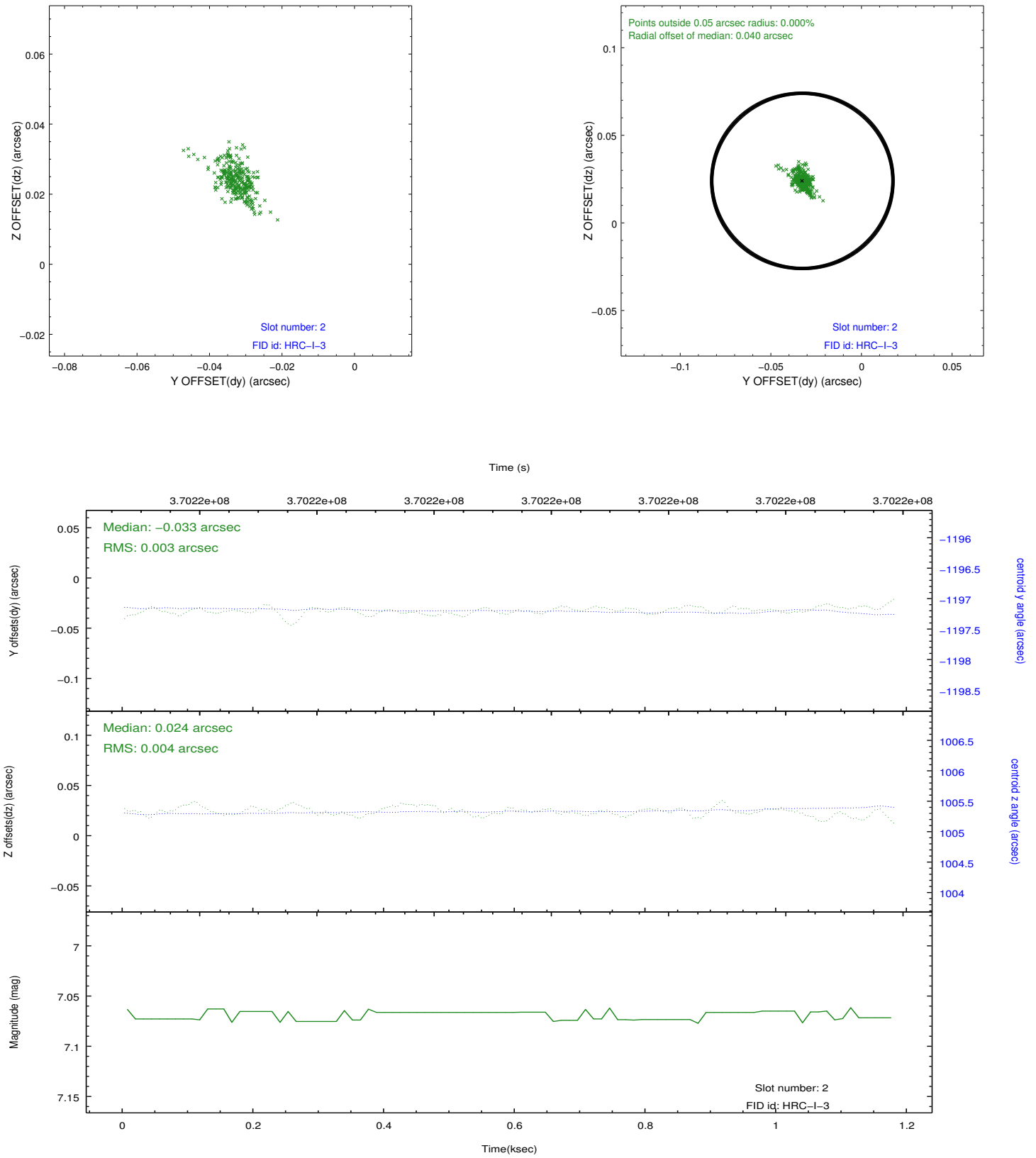
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1797750592828

### A.2 Comments