

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8301 - L2 Version 4  
Chandra X-Ray Center

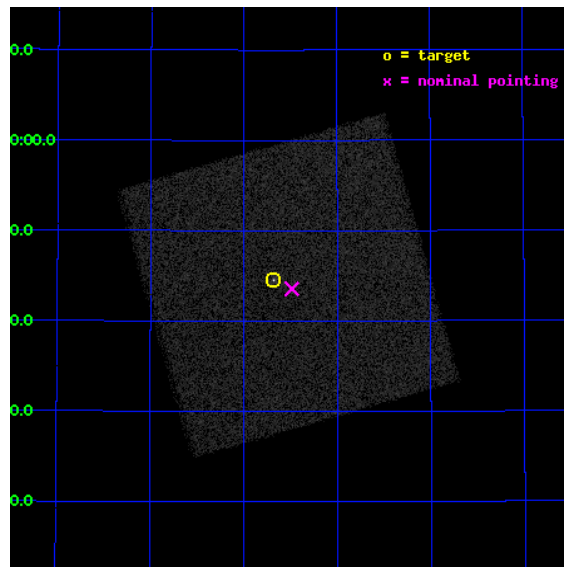
L2 Processing Date : Aug 11 2012

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# 1 Front

seq_num	290680	Sequence number
obs_id	8301	Observation id
title	AO8 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	332.1211565396	Nominal RA [deg]
dec_nom	45.726206997393	Nominal Dec [deg]
roll_nom	209.06571052051	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1177.9813067317	[s]
livetime	1165.6449983922	Ontime multiplied by DTCOR
l2events	73478	Number of level 2 events

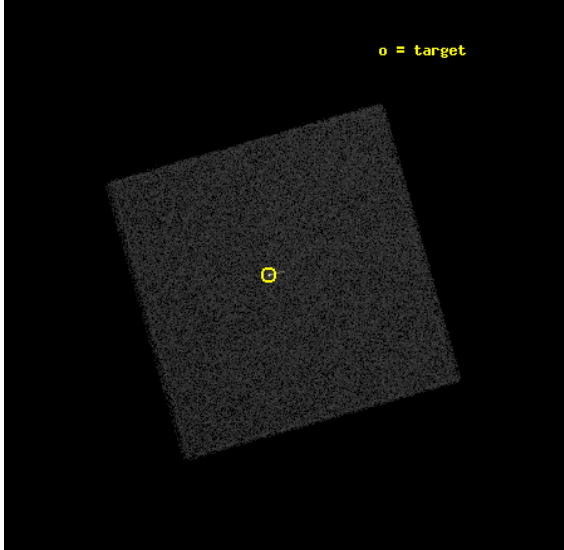


## 2 OBI

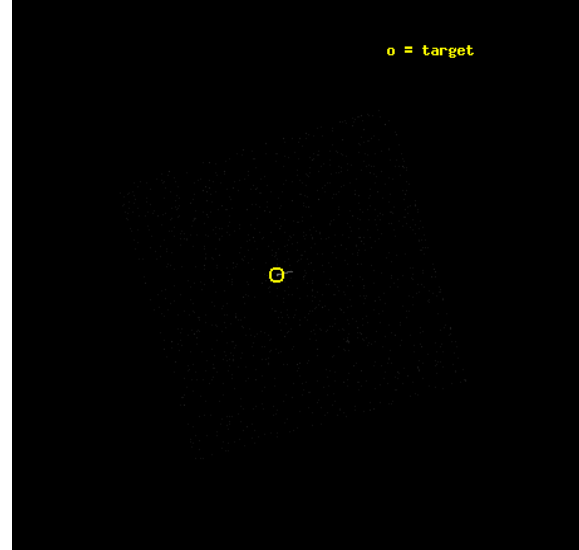
### 2.1 OBI

#### 2.1.1 Images

Level 1 Image



Level 1 Bad Events



### 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	1177.9813067317	[s]
caldbver	4.5.1.1	&#160	l1events	136796	Number of level 1 events
date	2012-08-12T00:57:53	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

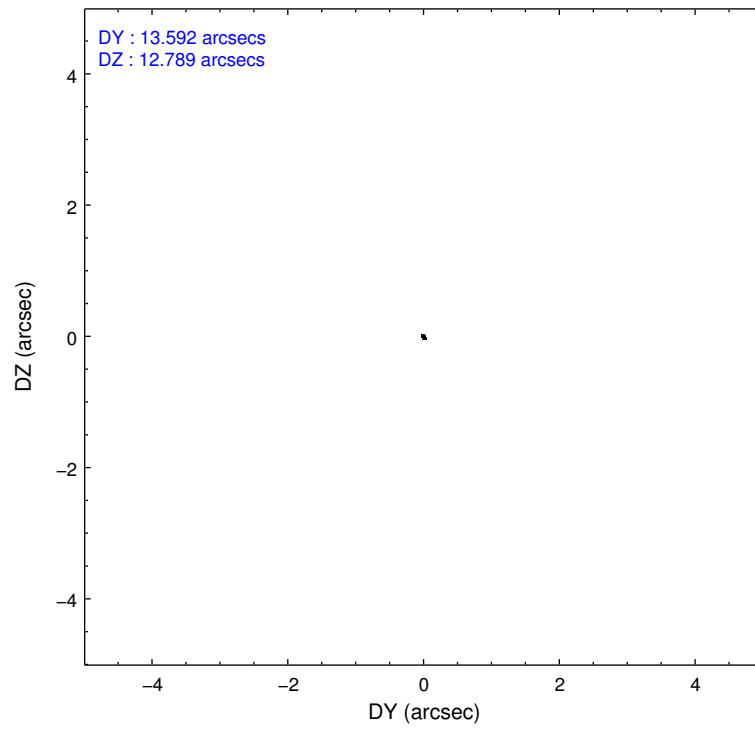
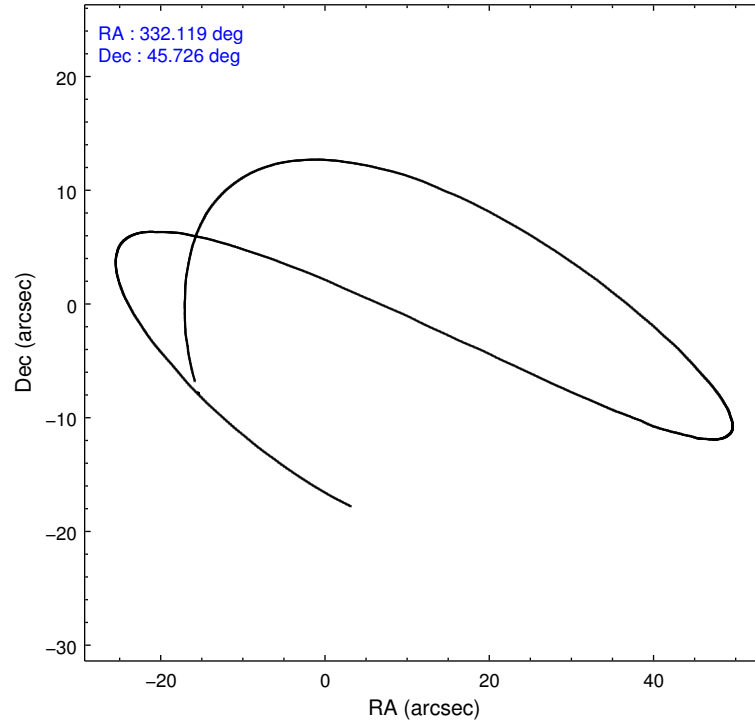
#### Level 1 Events

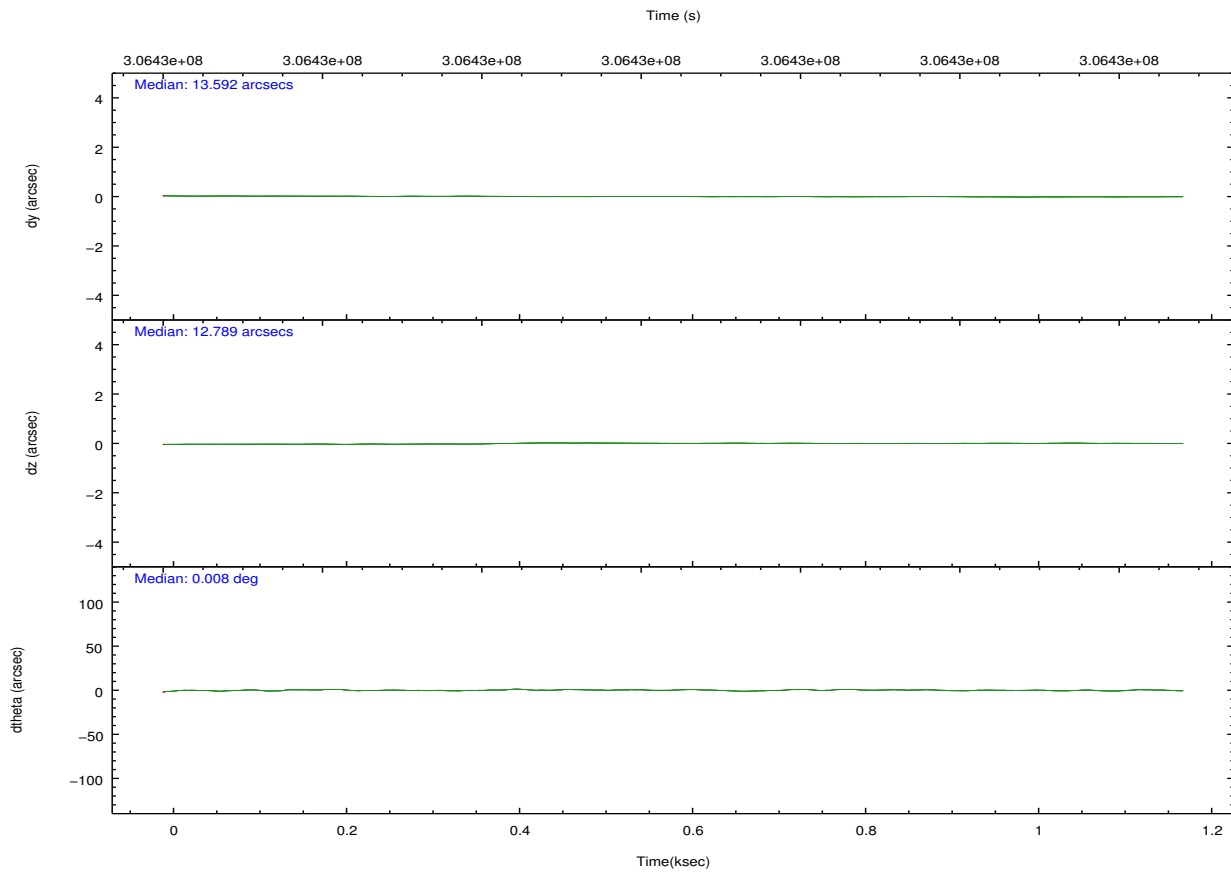
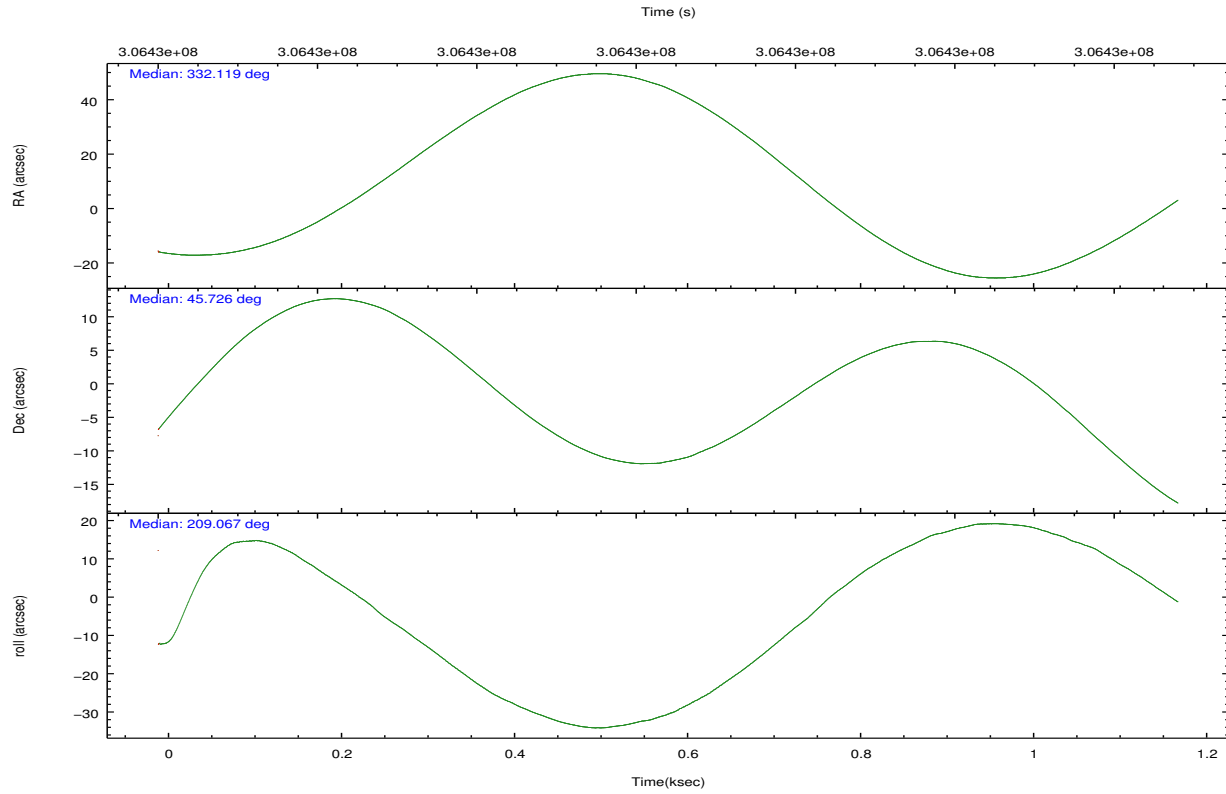
	<b>segment 0</b>
level 1 events	136796
rejected events	30026
rejected %	21%

## 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	332.141543	332.1211565395968			
[deg] Pointing Dec	45.749182	45.7262069973926			
[deg] Pointing Roll	209.146911	209.0657105205097			
[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)	306429032.184000	306428655.8884			
Observation start date	2007-09-17T15:09:27	2007-09-17T15:04:15			
[s] Observation end time (MET)	306430032.184000	306430166.22597			
Observation end date	2007-09-17T15:26:07	2007-09-17T15:29:26			

## 2.3 Aspect



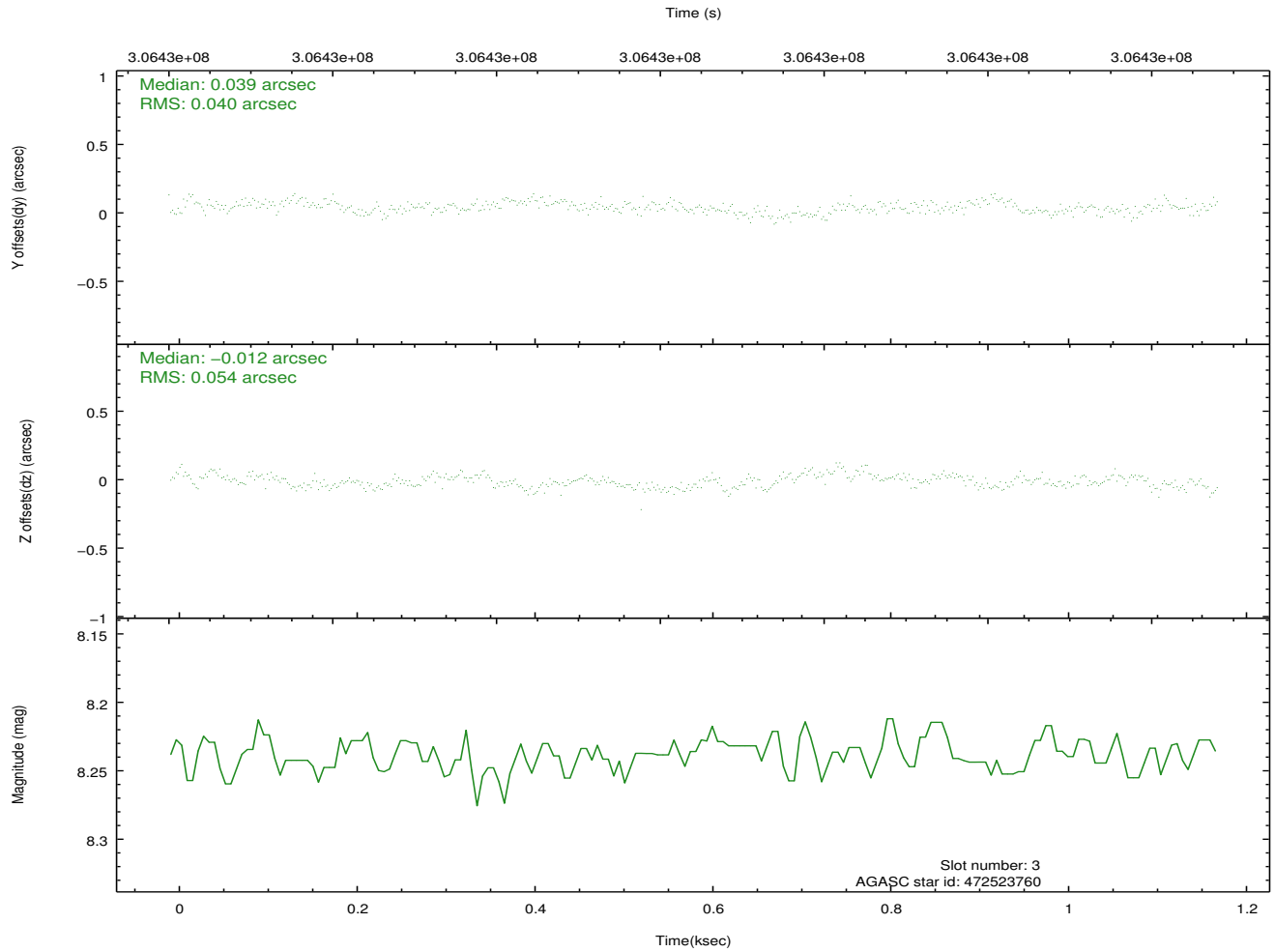
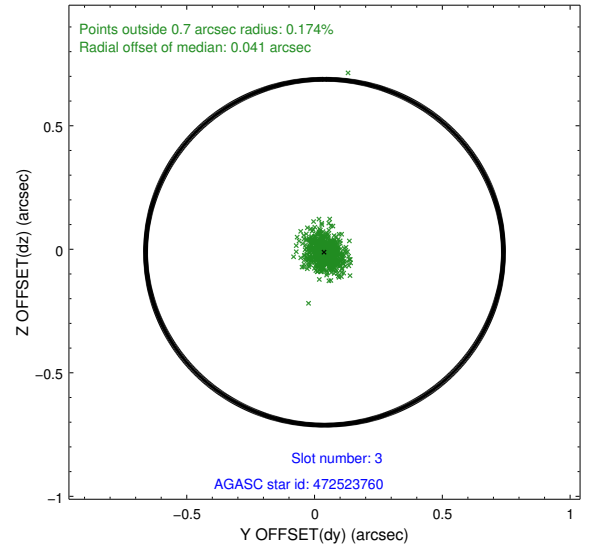
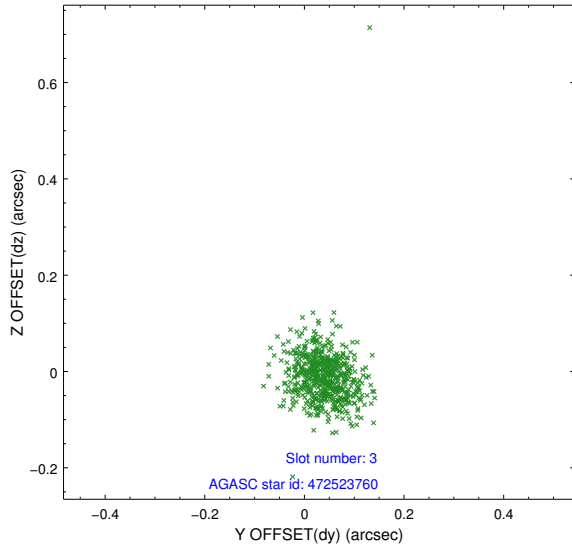


### Slot Statistics

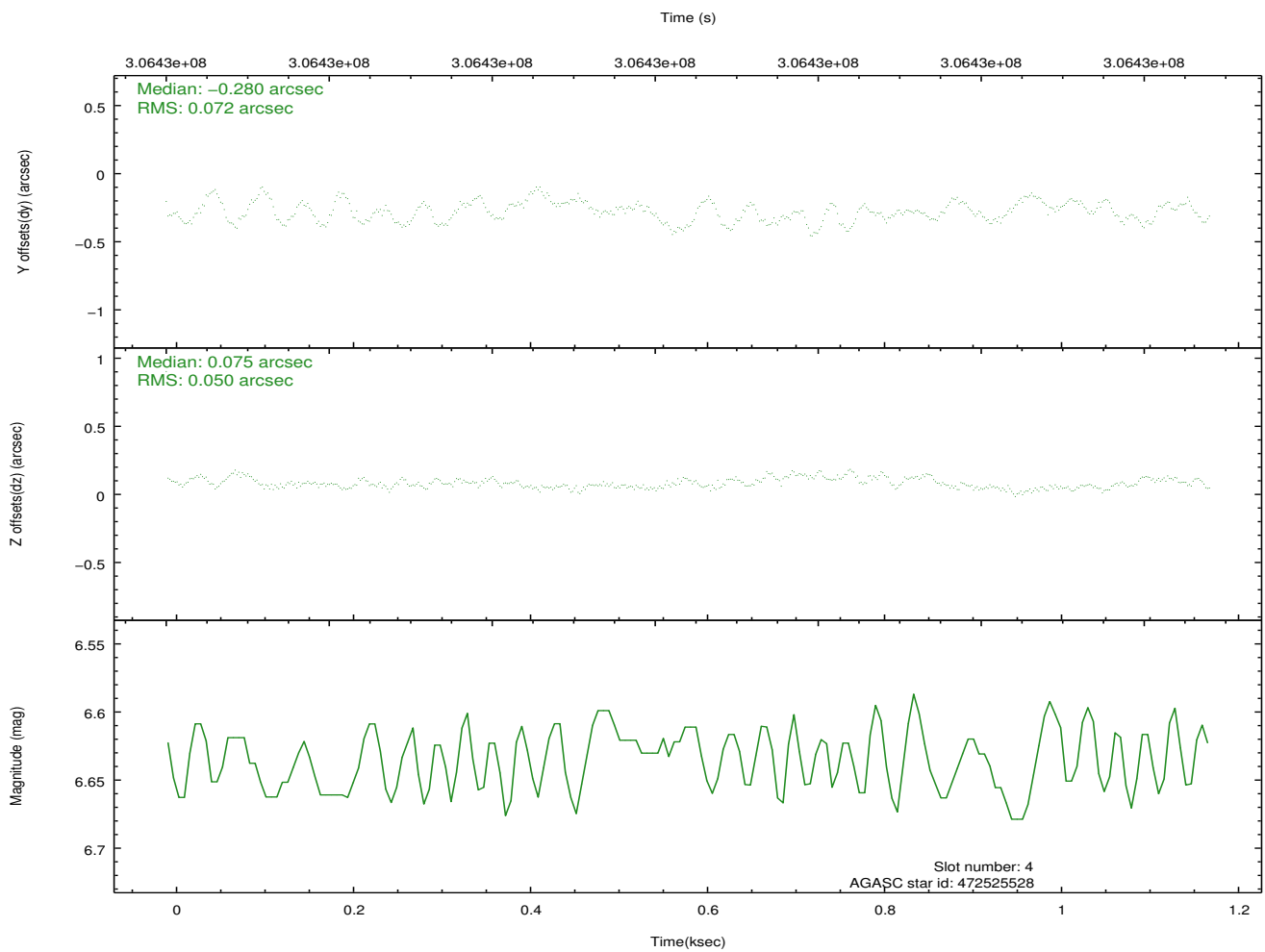
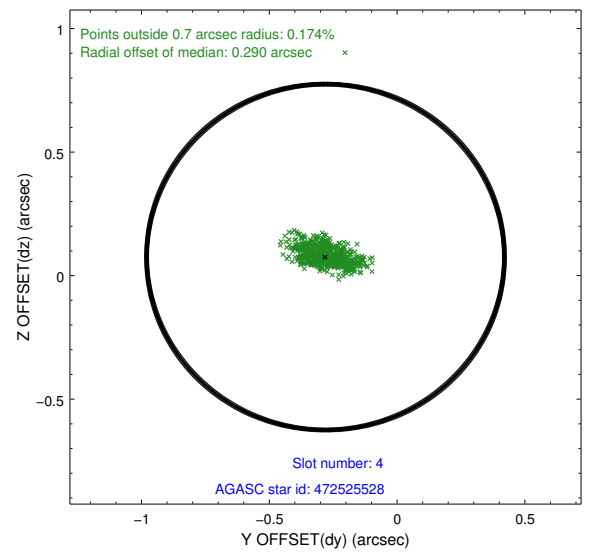
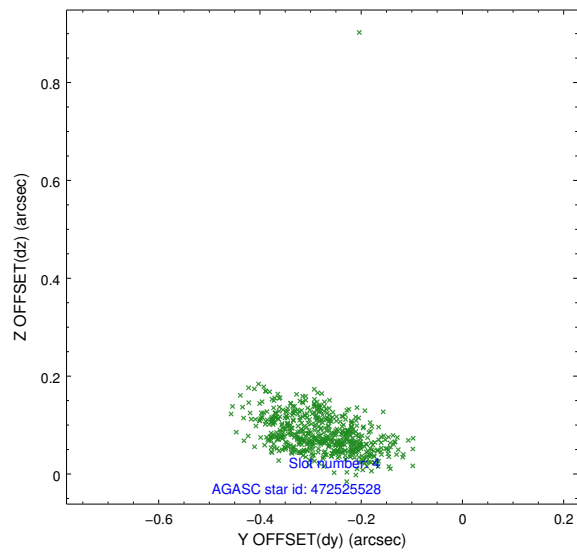
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.01	288	0.153	-0.116	0.006	0.010	0.000000	0.000000	843.43	-1302.53
1	FID	HRC-I-3	7.07	288	-0.141	0.092	0.006	0.010	0.000000	0.000000	-1195.06	999.28
2	FID	HRC-I-4	7.00	288	0.106	-0.062	0.006	0.010	0.000000	0.000000	1269.39	1004.73
3	GUIDE	472523760	8.24	576	0.039	-0.012	0.063	0.108	331.645363	45.403260	1699.07	477.13
4	GUIDE	472525528	6.63	576	-0.280	0.075	0.084	0.144	331.551102	45.248694	2183.49	844.60
5	GUIDE	472651904	6.19	576	-0.018	-0.265	0.077	0.132	332.170077	45.742257	-47.59	61.08
6	GUIDE	472655152	9.42	574	0.108	-0.020	0.141	0.232	332.504239	45.862991	-995.70	87.10
7	GUIDE	472665256	9.01	572	0.157	0.224	0.083	0.130	332.808125	46.195041	-2238.47	-594.81

## 2.4 Star Slots

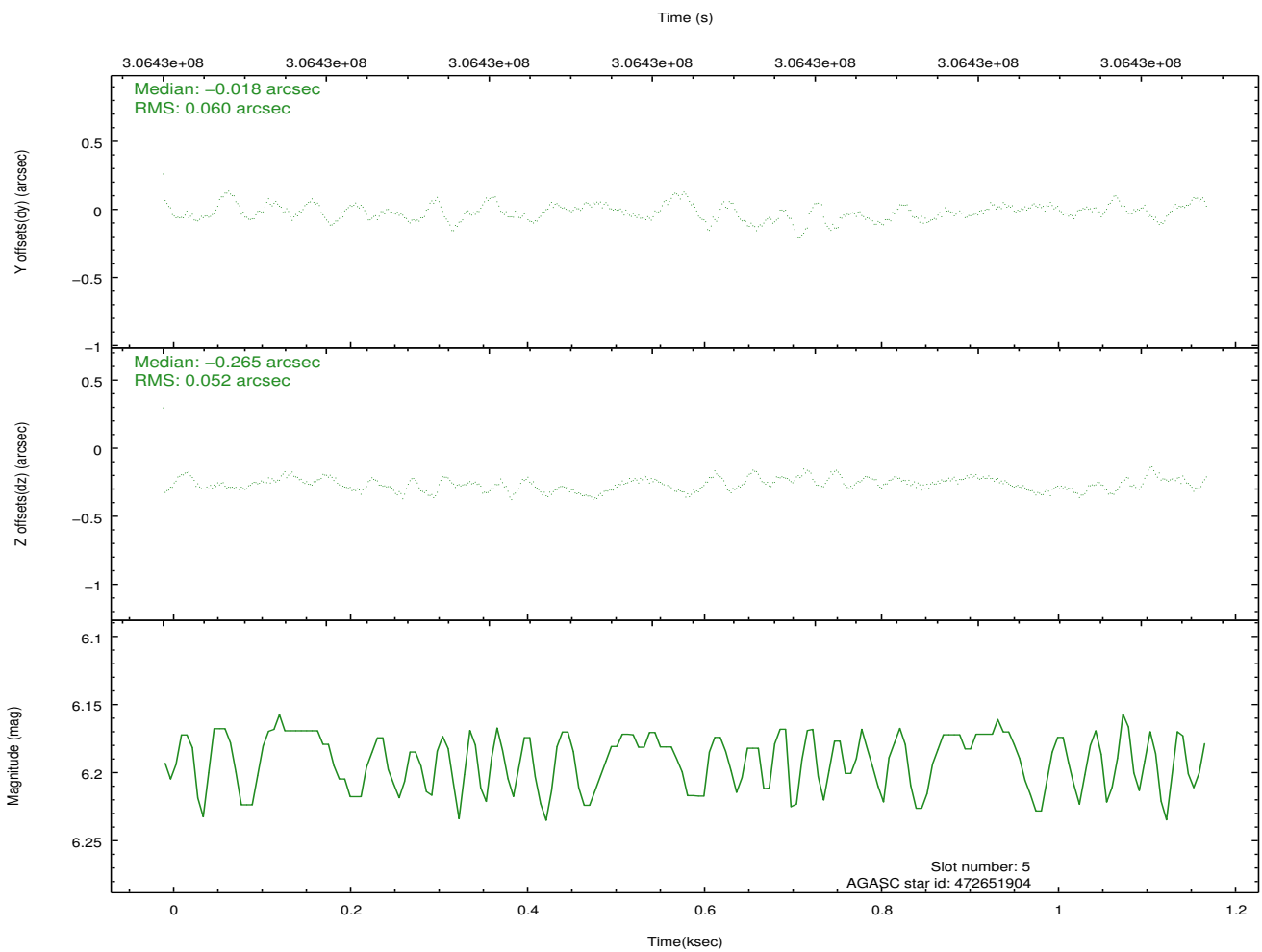
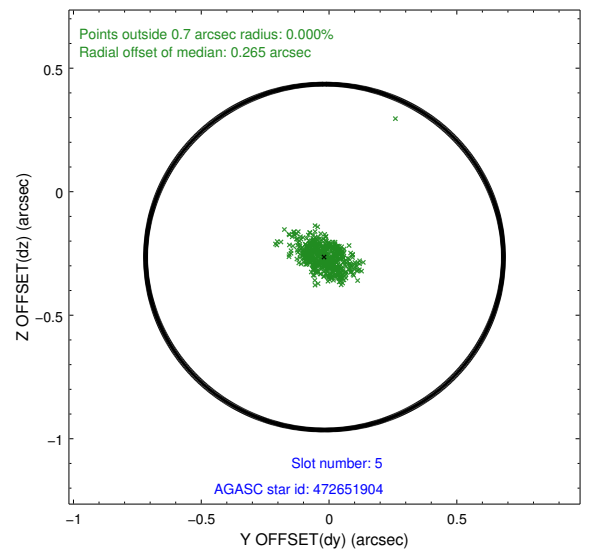
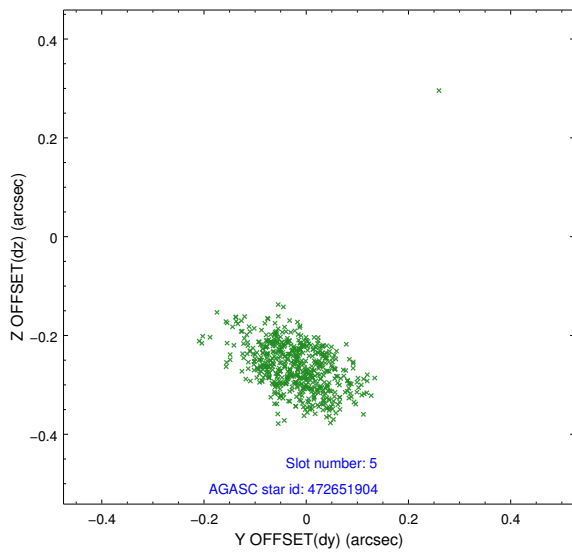
### 2.4.1 Slot 3



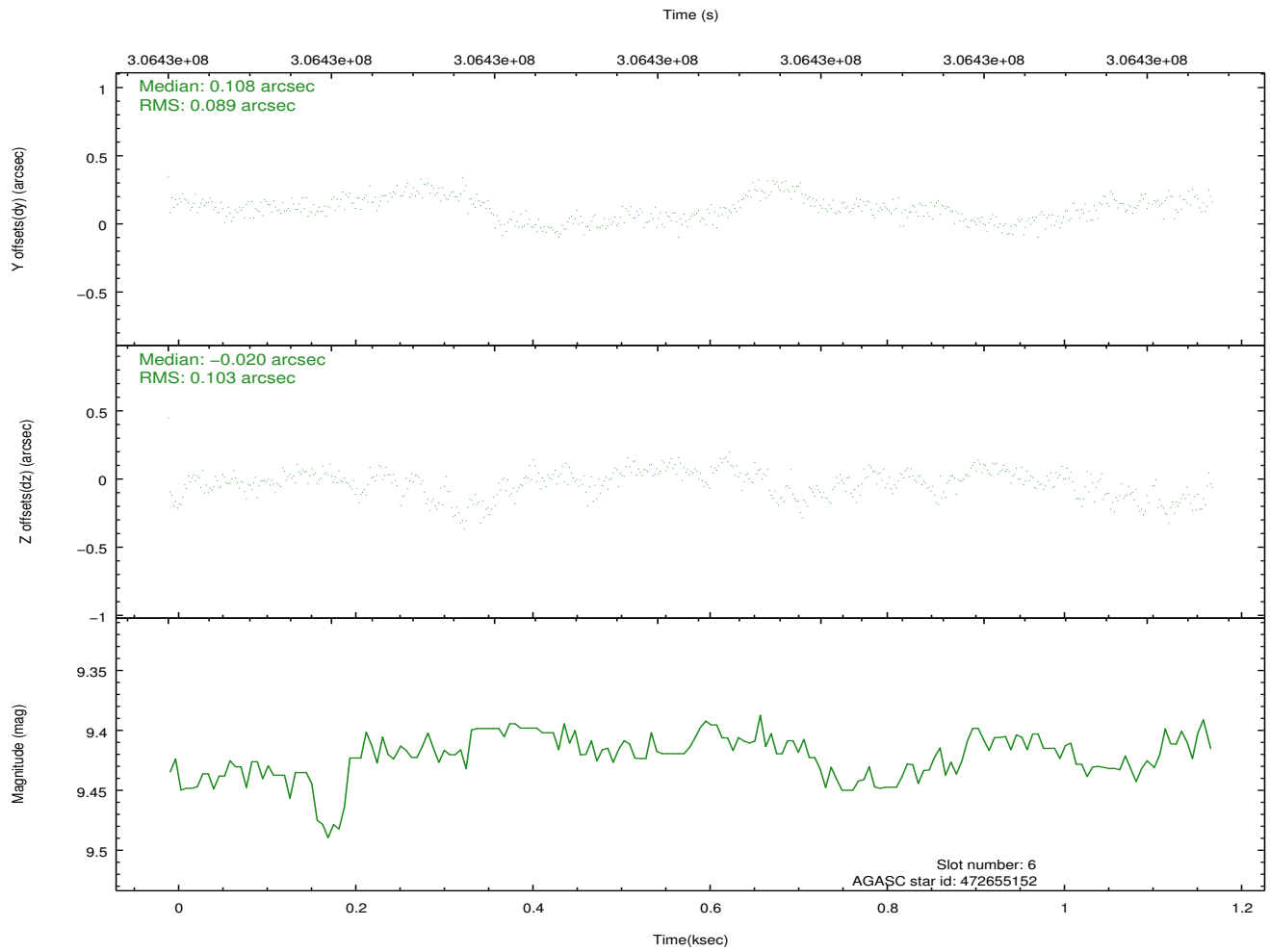
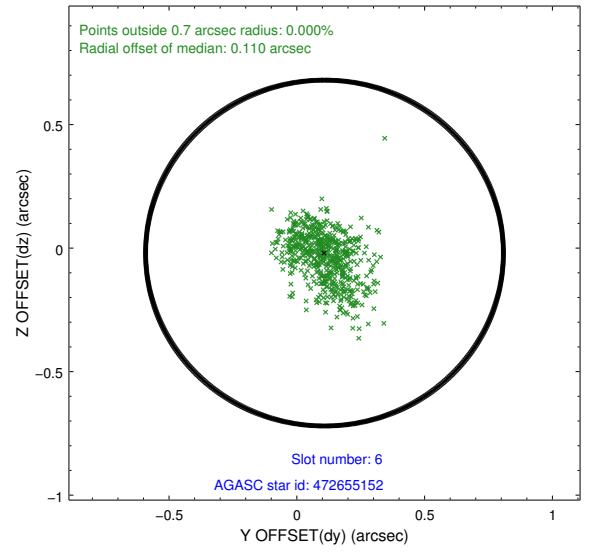
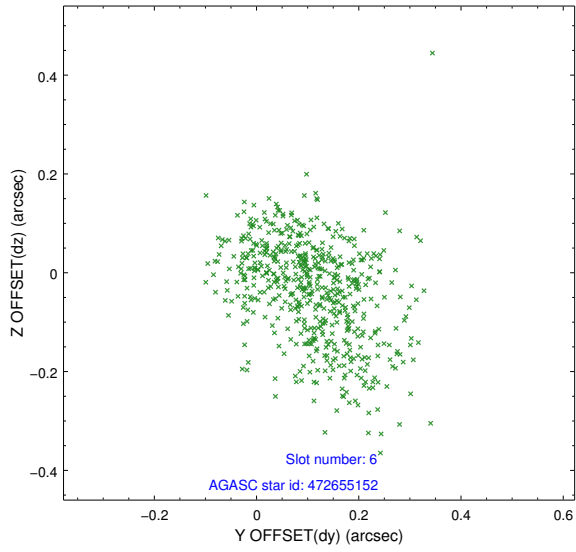
## 2.4.2 Slot 4



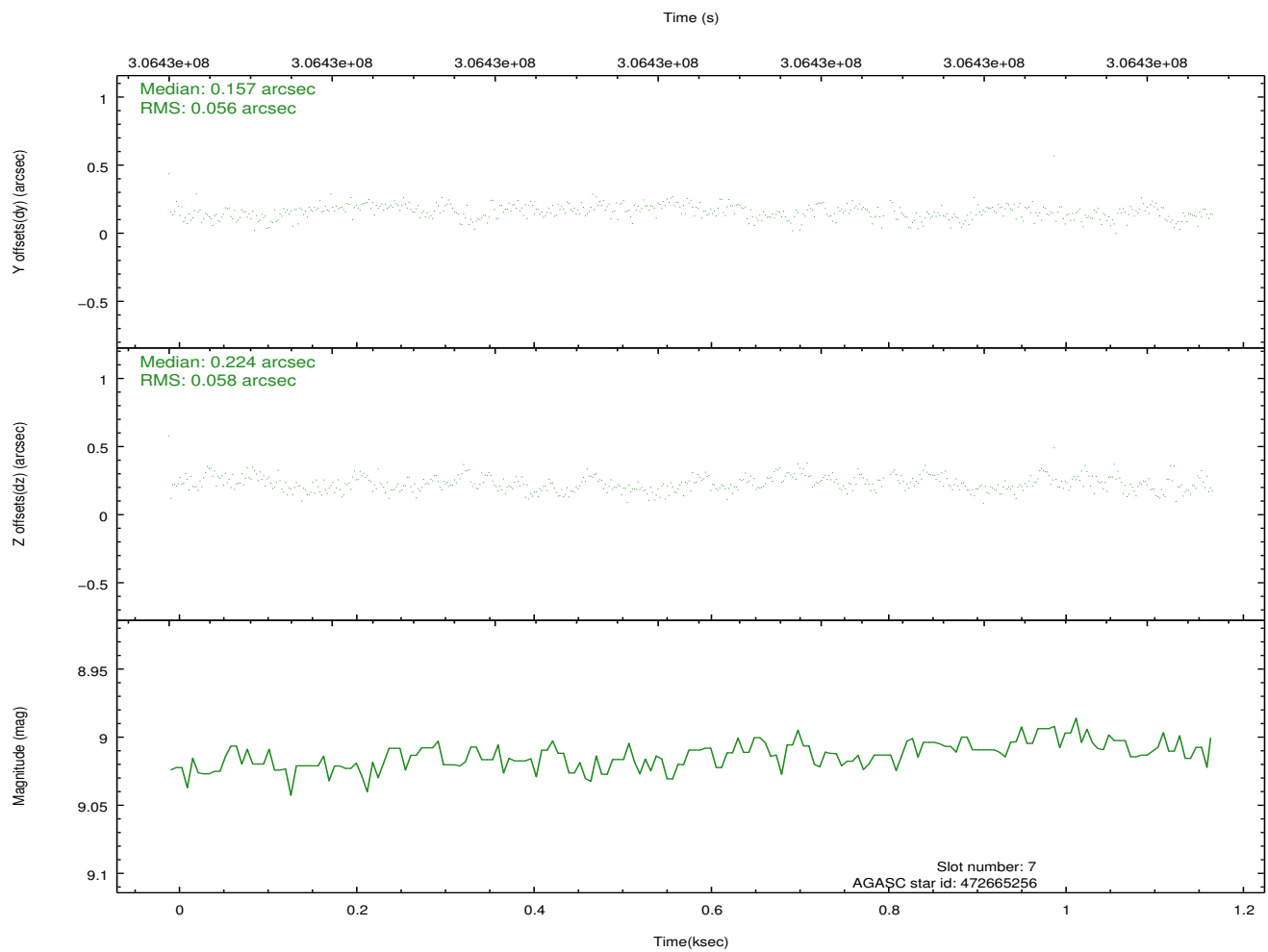
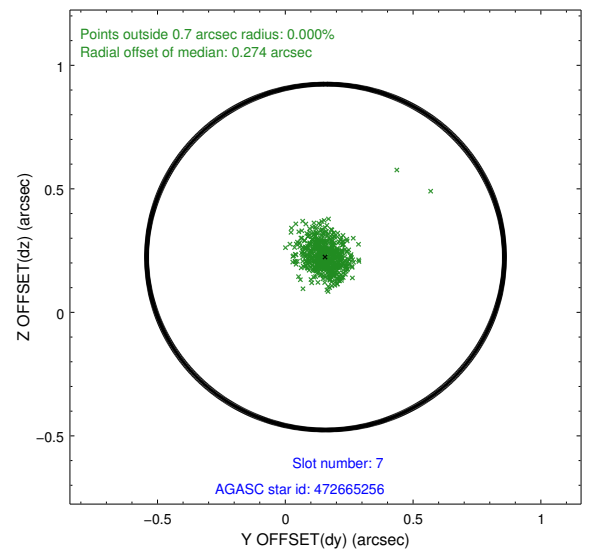
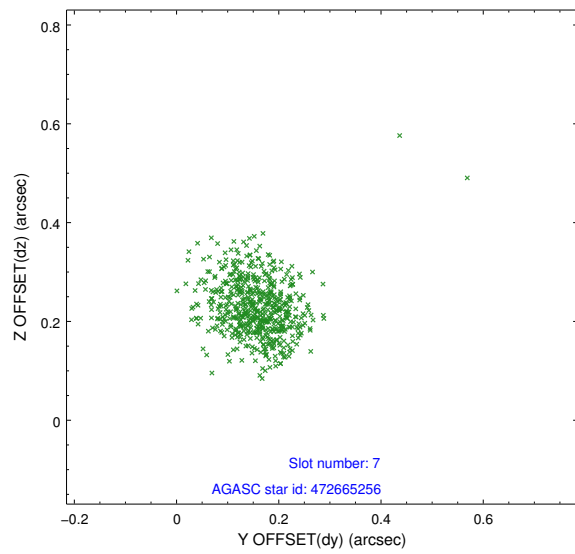
### 2.4.3 Slot 5



### 2.4.4 Slot 6

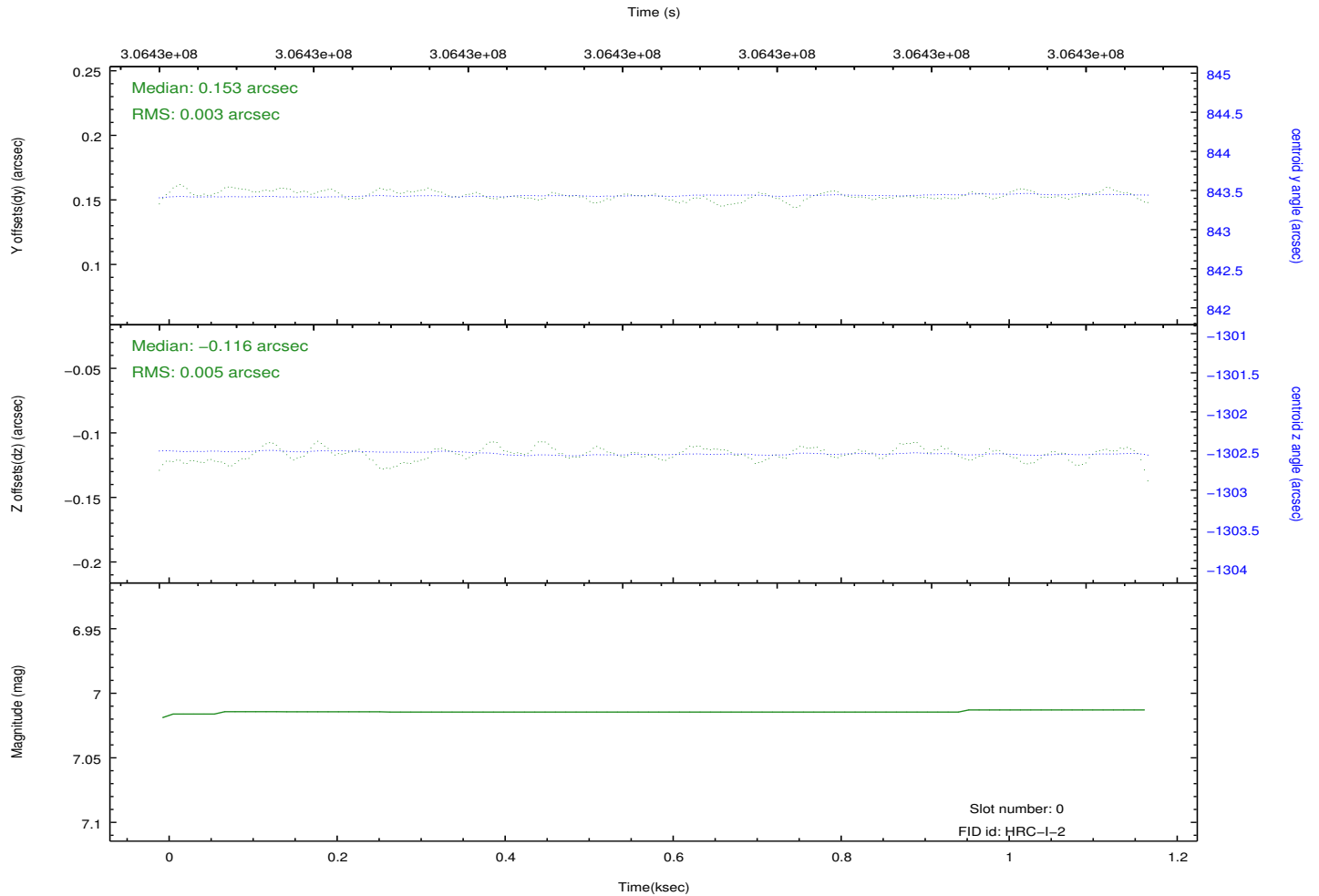
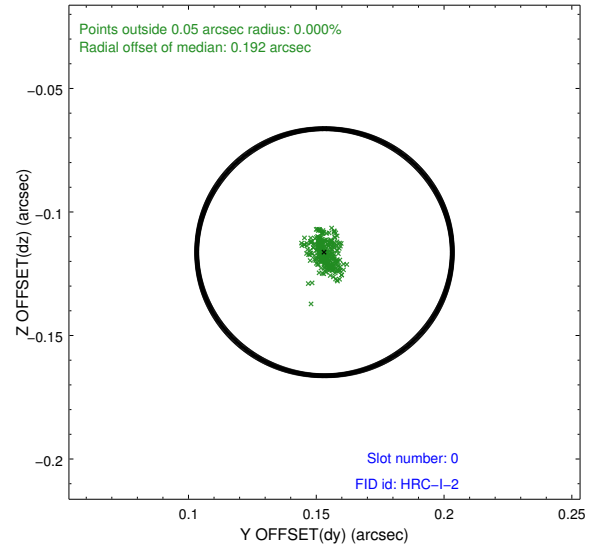
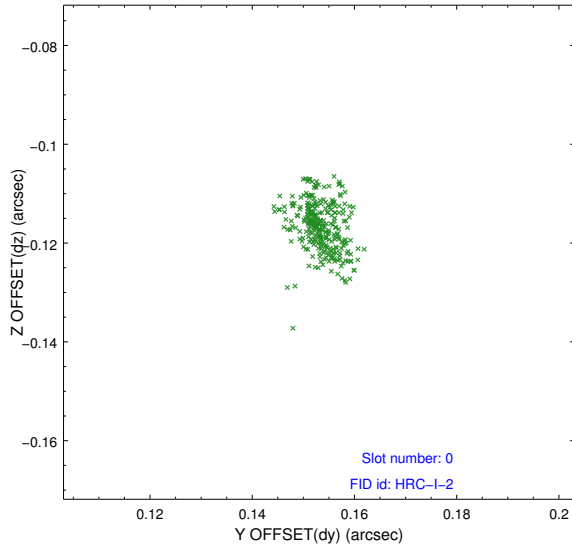


## 2.4.5 Slot 7

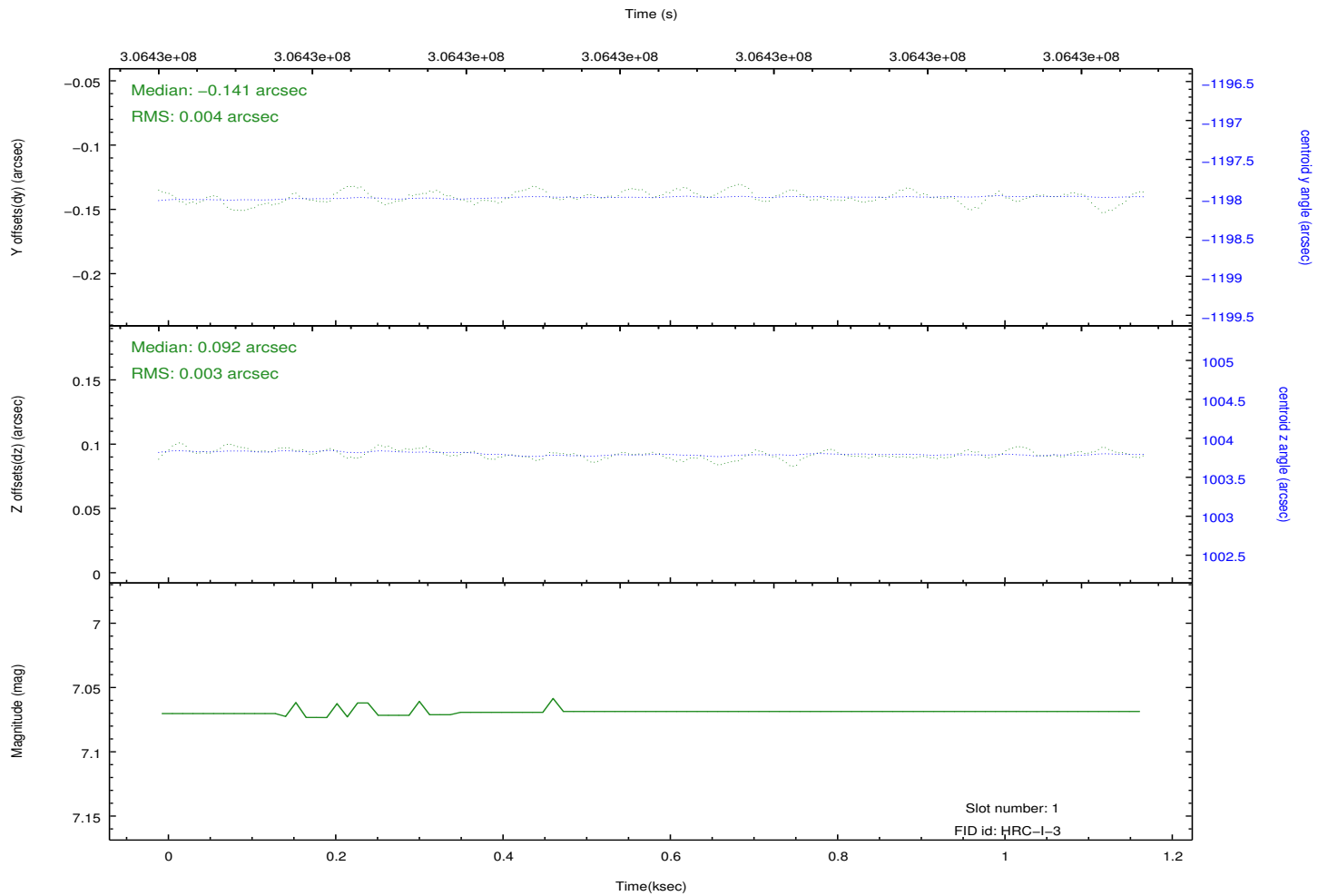
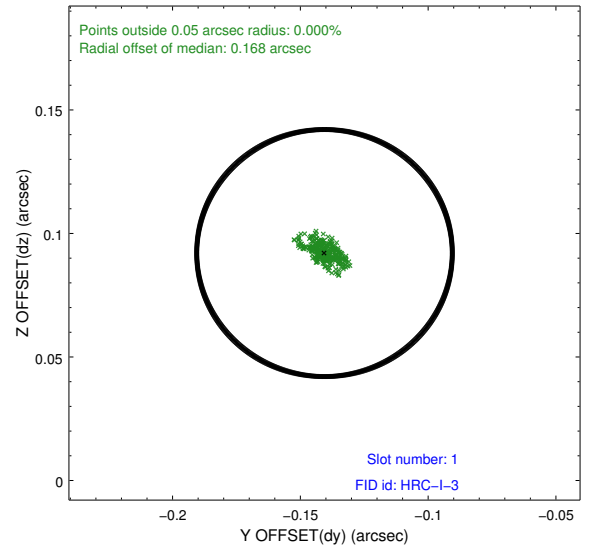
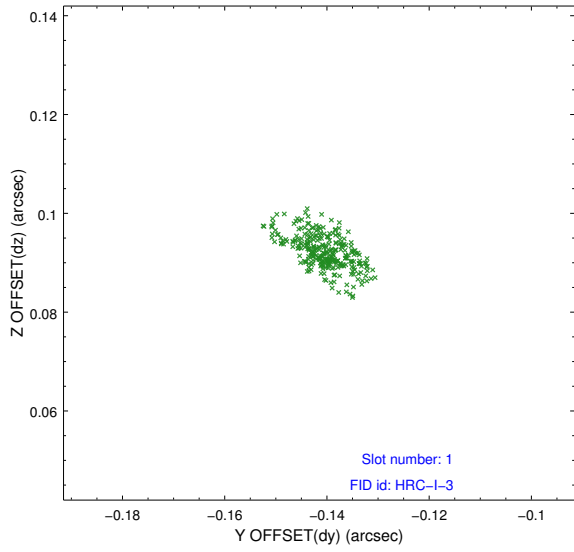


## 2.5 FID Slots

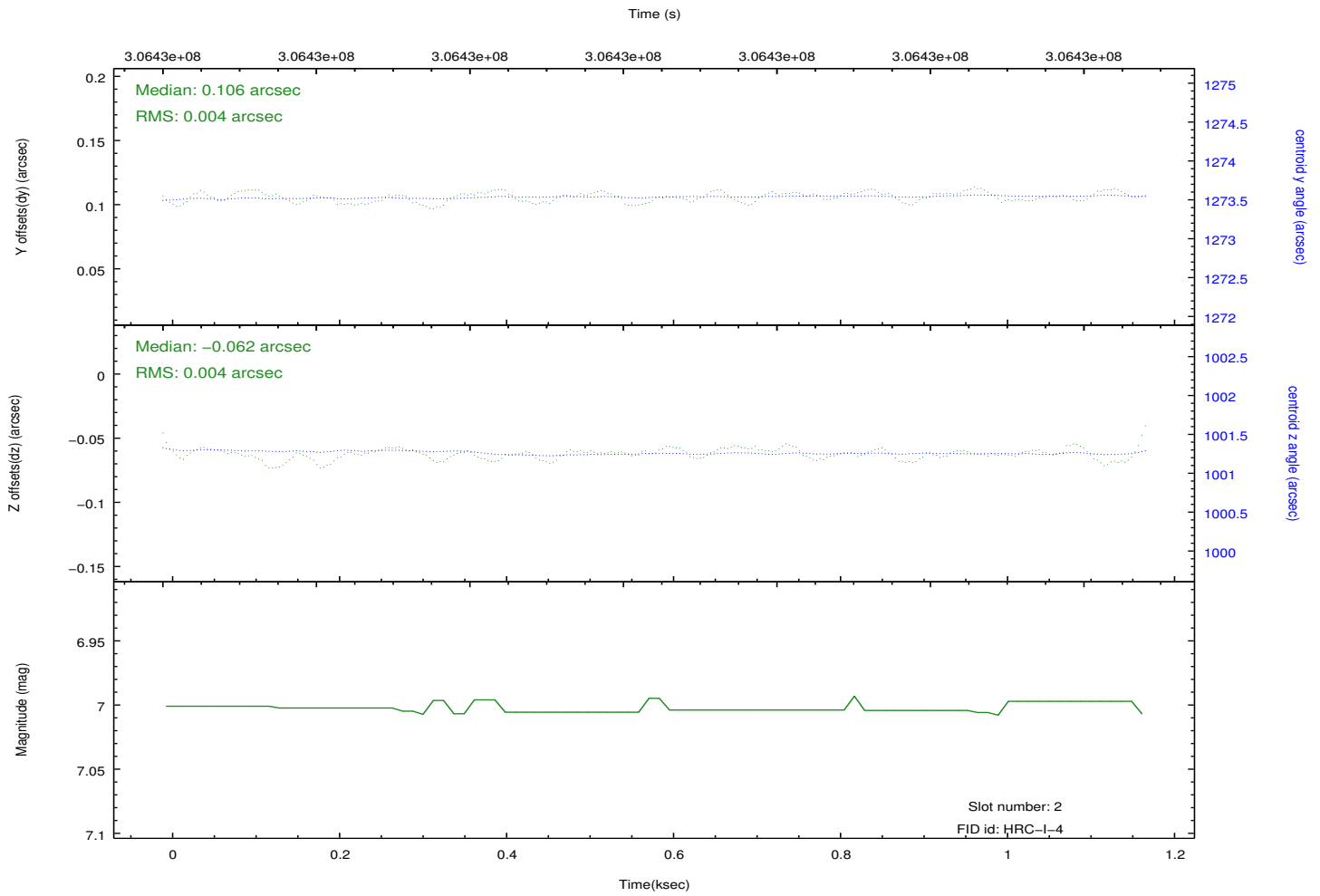
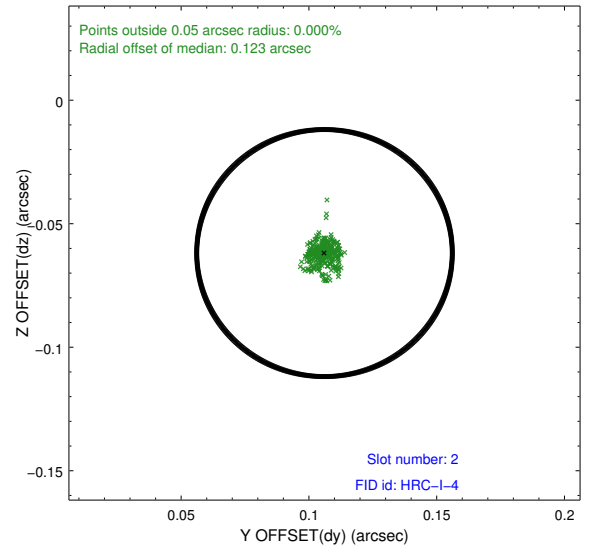
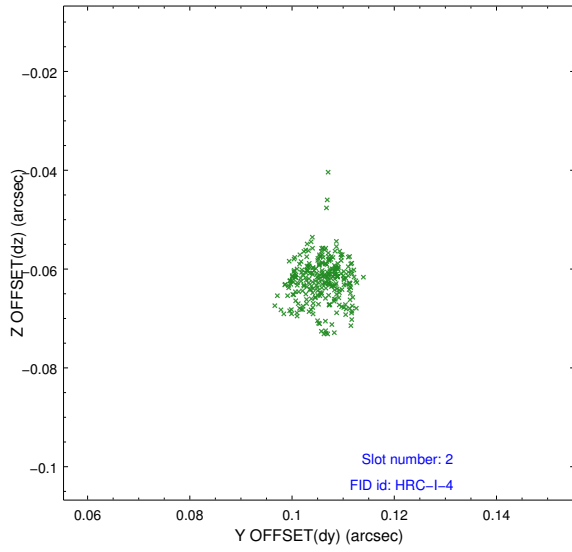
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813

## A.2 Comments