

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11892 - L2 Version 2  
Chandra X-Ray Center

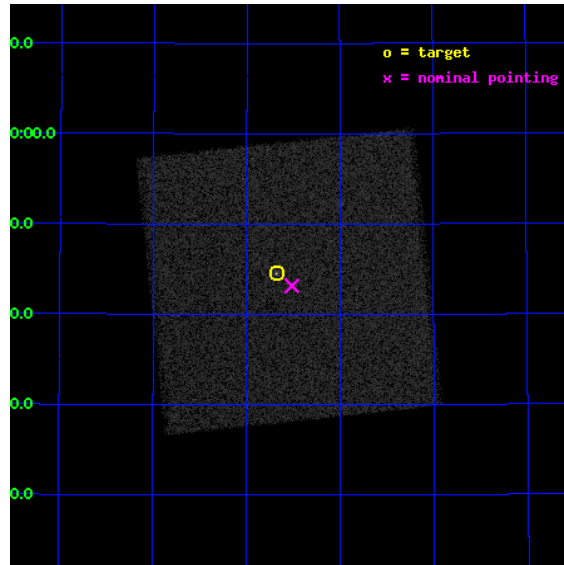
L2 Processing Date : Jul 3 2012

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# 1 Front

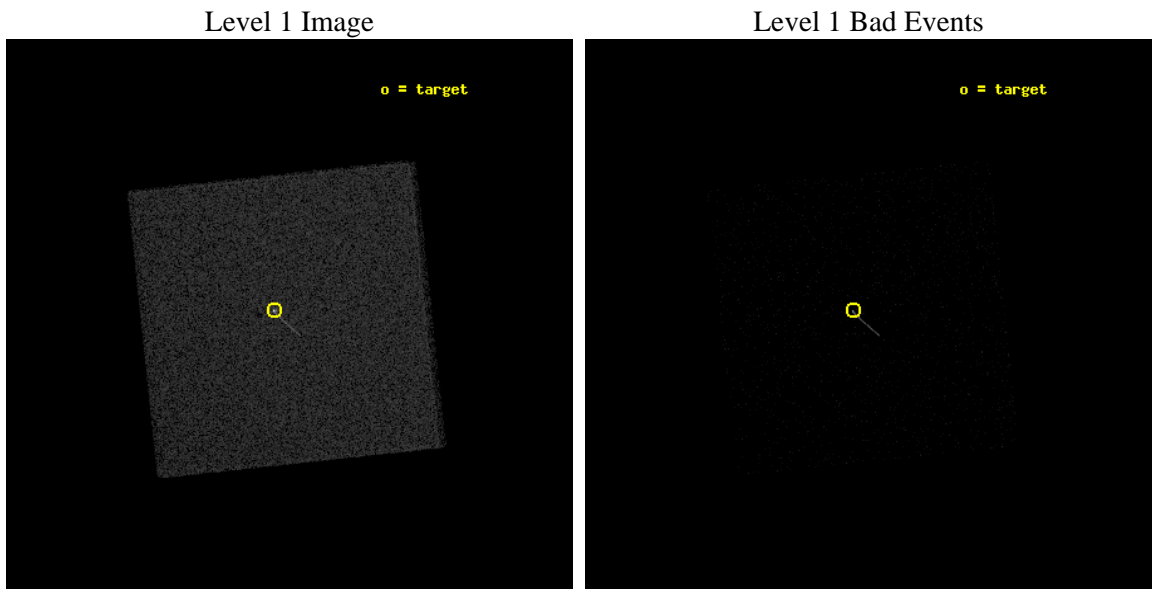
seq_num	290881	Sequence number
obs_id	11892	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12863367124	Nominal RA [deg]
dec_nom	45.719438450008	Nominal Dec [deg]
roll_nom	218.92104336816	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313104391	[s]
livetime	1167.0696438513	Ontime multiplied by DTCOR
l2events	91480	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	1180.0313104391	[s]
caldbver	4.5.0	&#160	l1events	161755	Number of level 1 events
date	2012-07-03T23:51:50	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

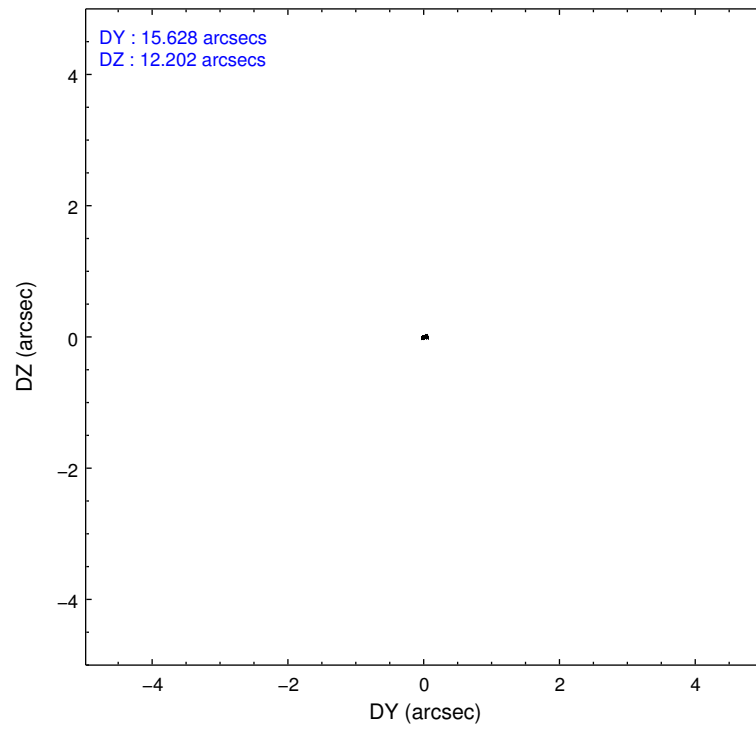
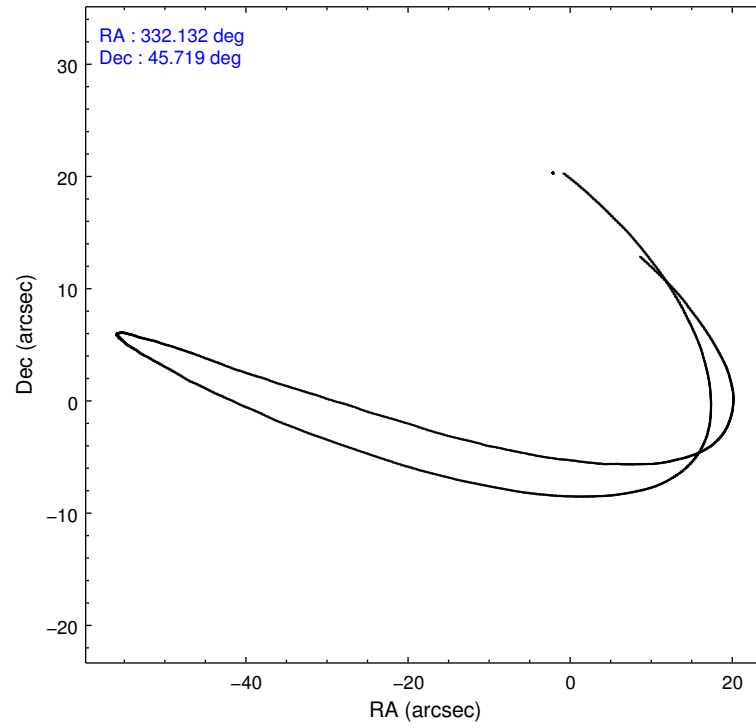
#### Level 1 Events

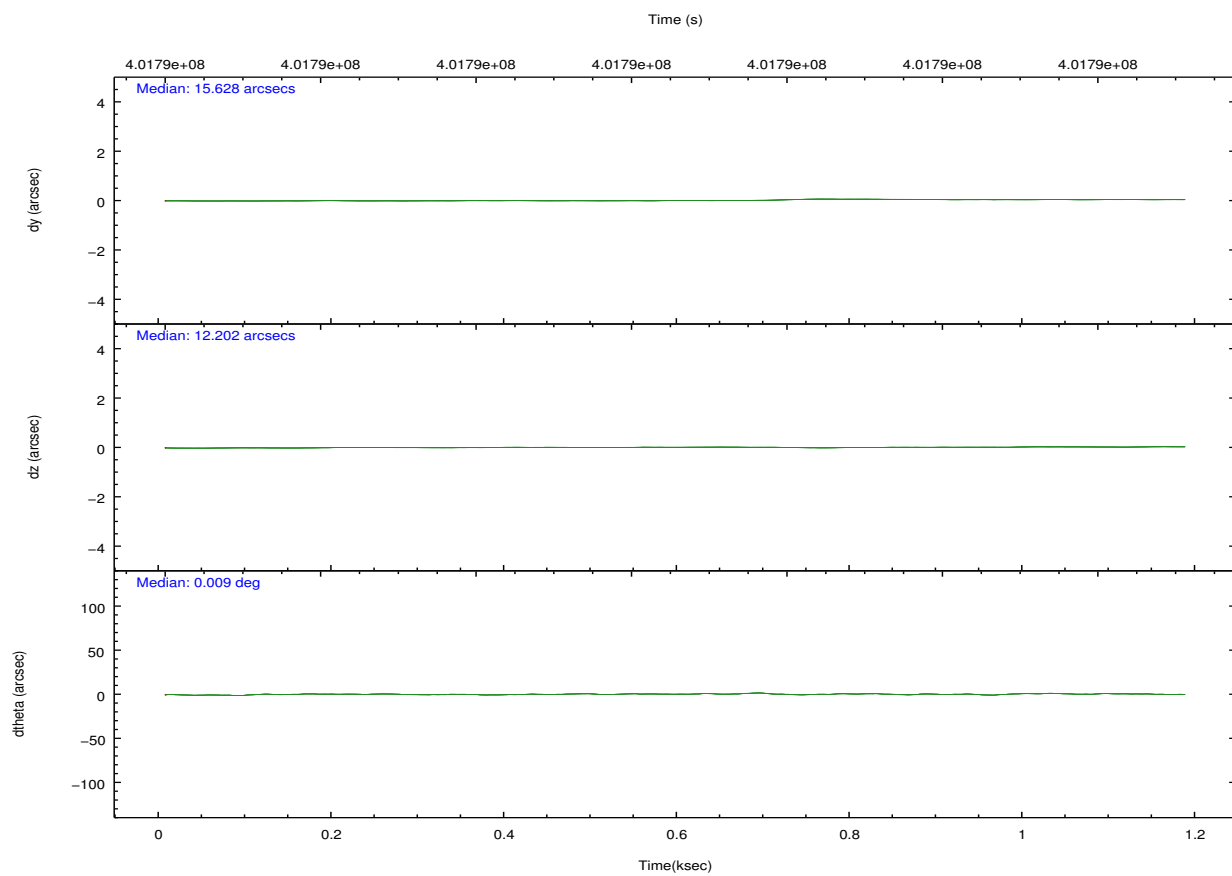
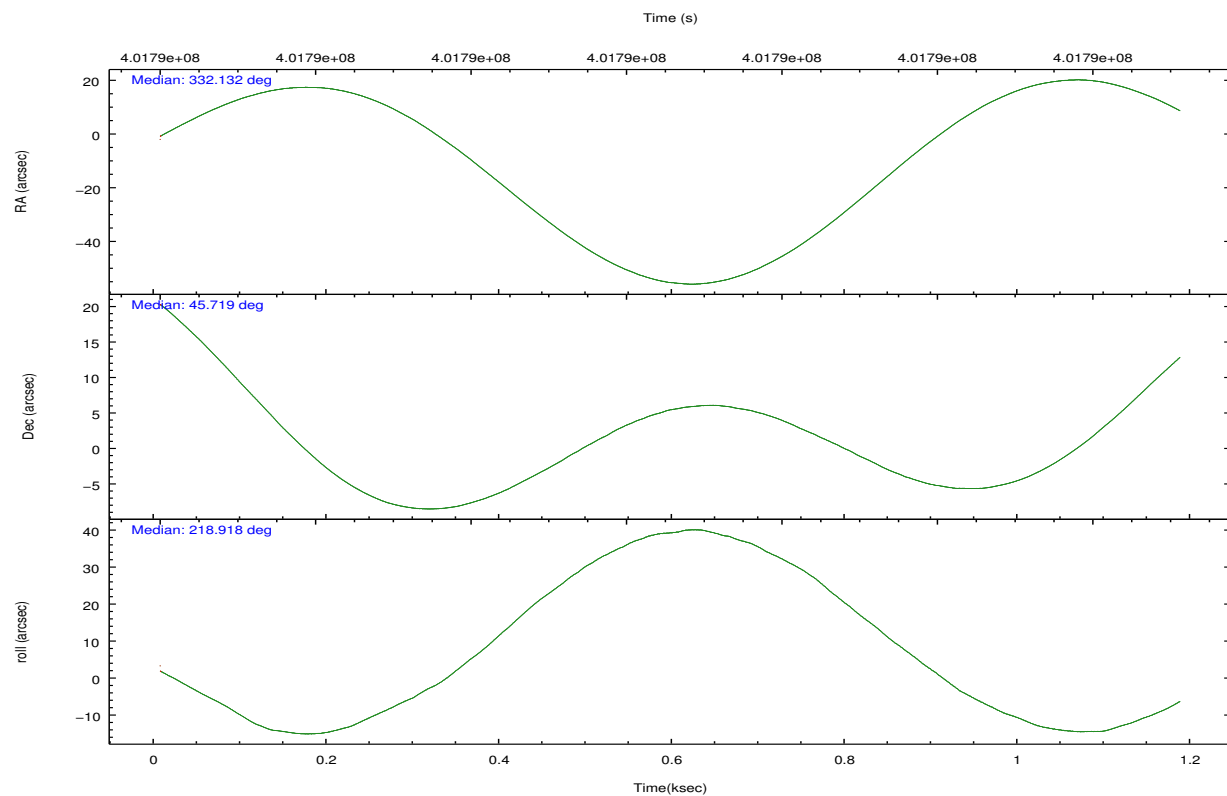
	<b>segment 0</b>
level 1 events	161755
rejected events	35330
rejected %	21%

## 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	332.140280	332.1286336712372			
[deg] Pointing Dec	45.745668	45.71943845000769			
[deg] Pointing Roll	219.008186	218.9210433681647			
[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)	401789053.184000	401788676.96296			
Observation start date	2010-09-25T08:03:07	2010-09-25T07:57:56			
[s] Observation end time (MET)	401790053.184000	401790186.78804			
Observation end date	2010-09-25T08:19:47	2010-09-25T08:23:06			

## 2.3 Aspect





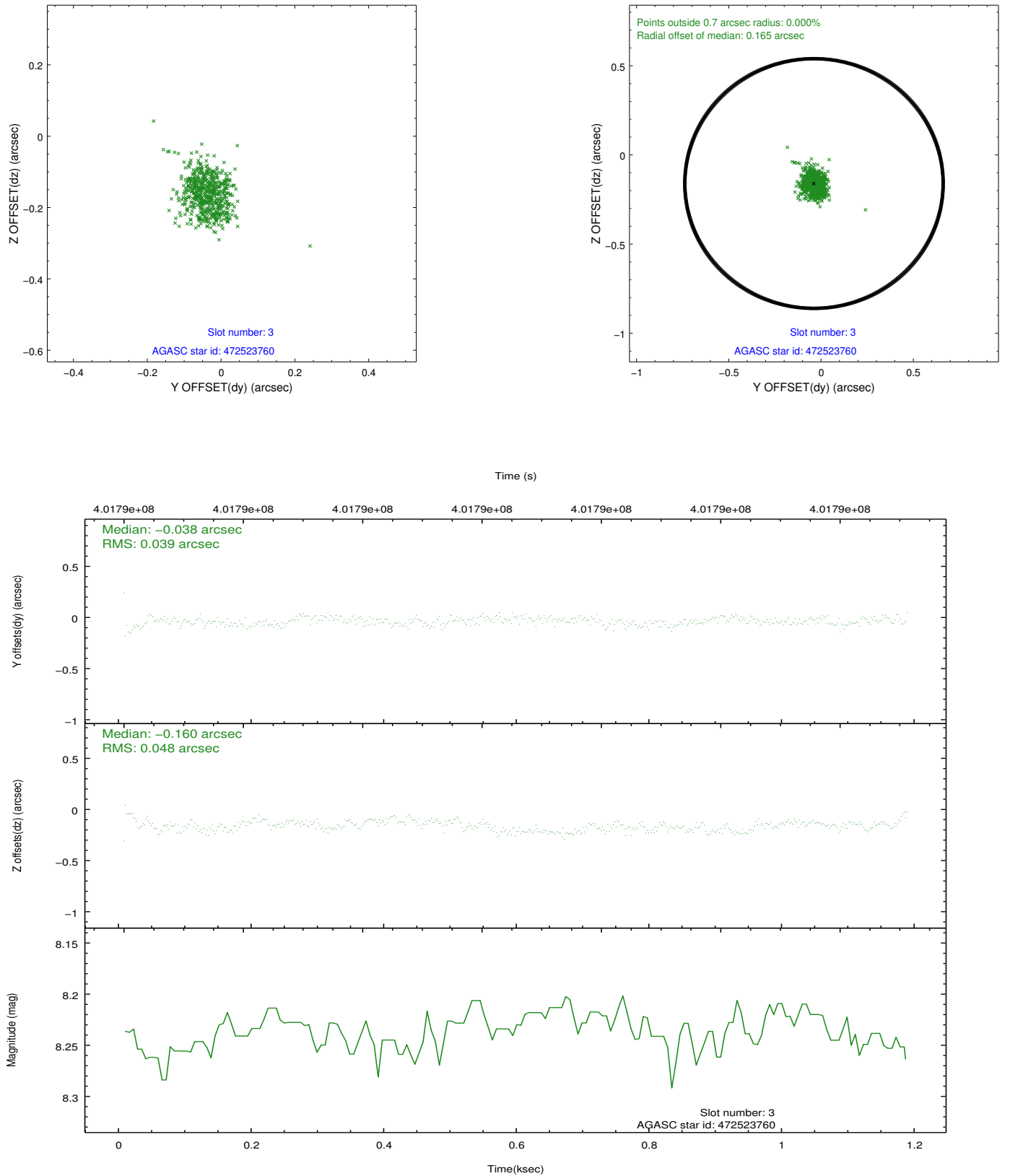
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	289	0.124	-0.107	0.006	0.012	0.000000	0.000000	841.28	-1301.89
1	FID	HRC-I-3	7.05	288	-0.123	0.063	0.007	0.012	0.000000	0.000000	-1197.14	999.92
2	FID	HRC-I-4	6.97	289	0.119	-0.042	0.006	0.010	0.000000	0.000000	1267.32	1005.37
3	GUIDE	472523760	8.24	577	-0.038	-0.160	0.064	0.100	331.645363	45.403260	1747.56	163.36
4	GUIDE	472533912	9.16	567	0.087	0.101	0.133	0.216	331.791136	46.368695	-734.15	-2293.75
5	GUIDE	472665256	9.02	576	0.100	0.136	0.099	0.156	332.808125	46.195041	-2315.02	-222.82
6	GUIDE	420754040	9.07	577	-0.070	0.056	0.090	0.155	331.917939	44.882543	2392.75	2053.21
7	GUIDE	472655152	9.42	576	-0.065	-0.134	0.152	0.250	332.504239	45.862991	-970.14	244.11

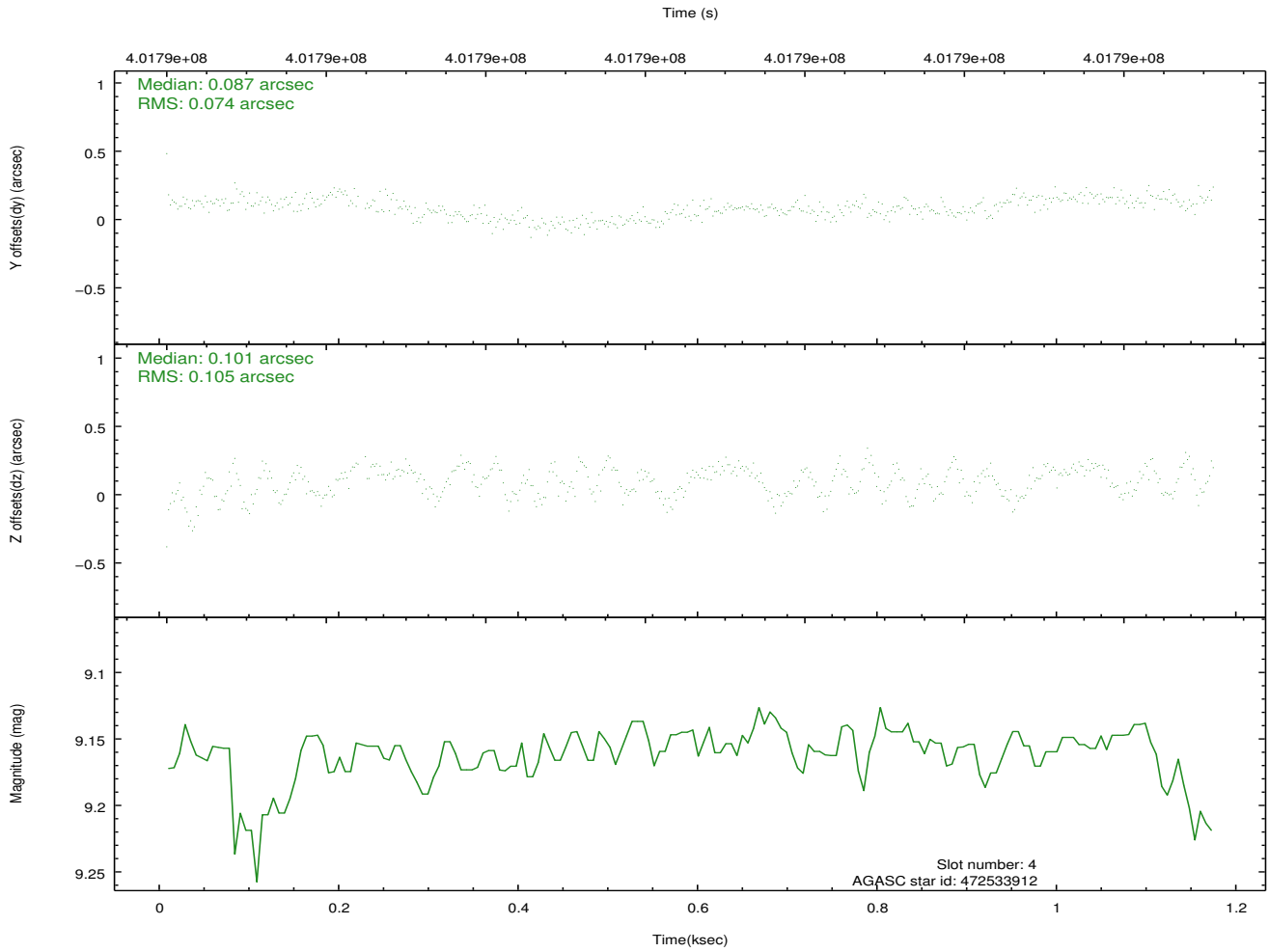
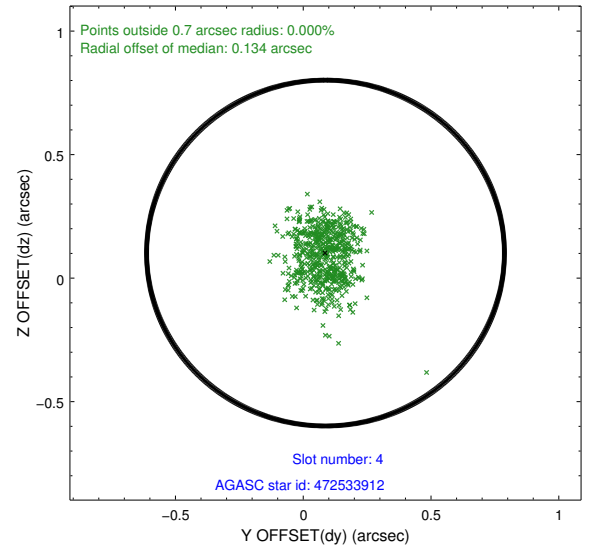
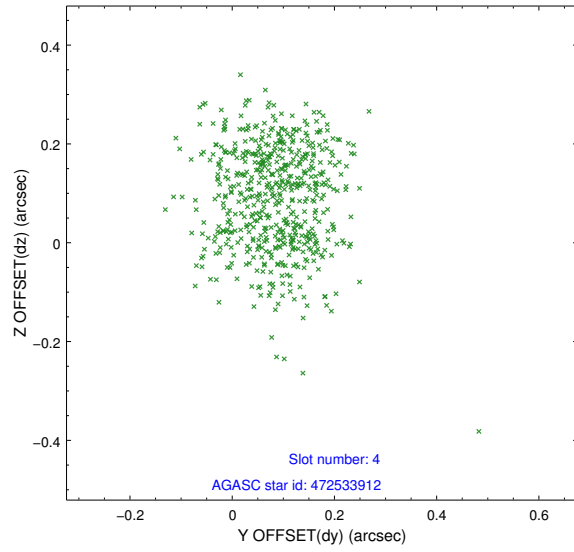


## 2.4 Star Slots

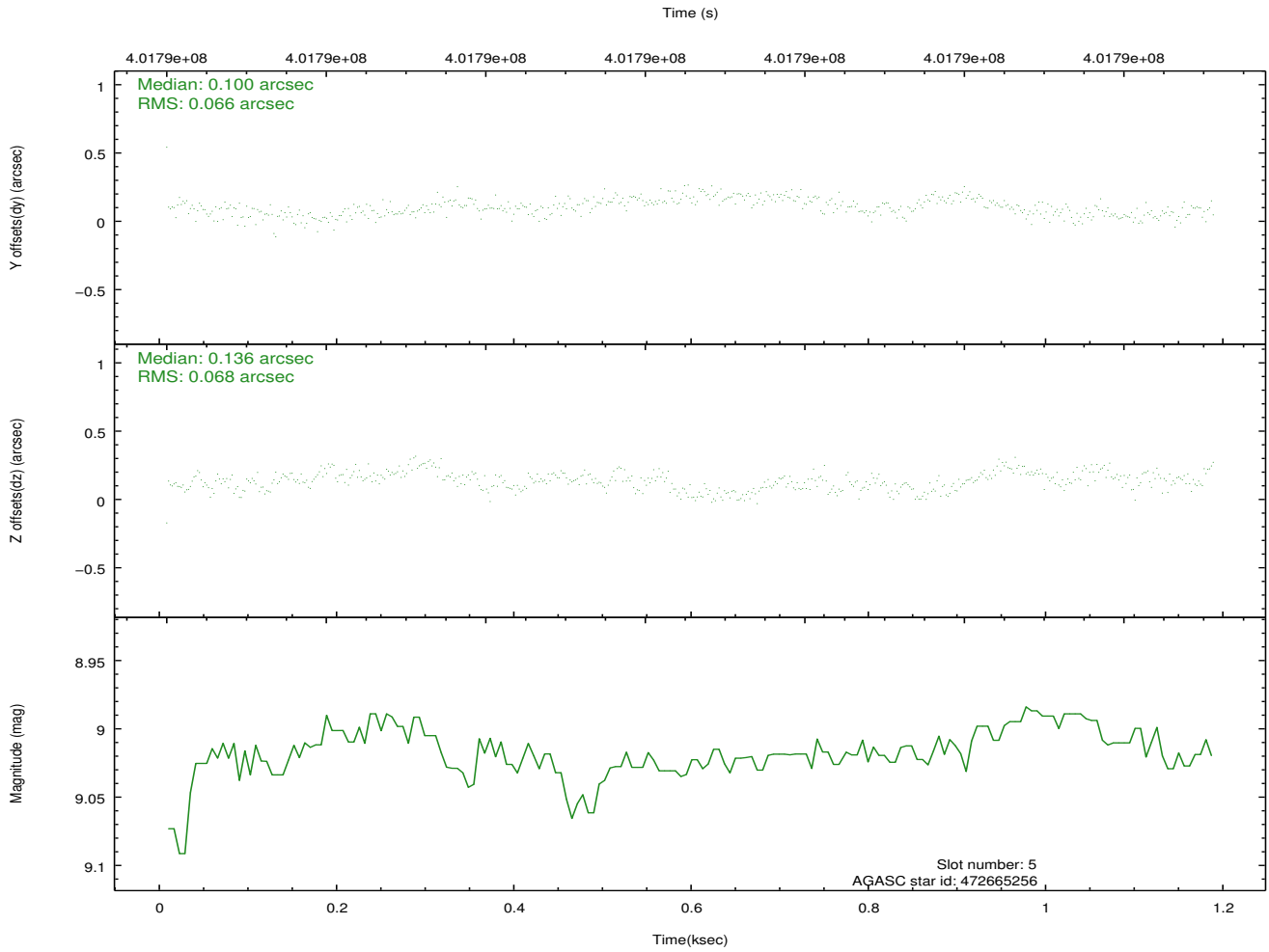
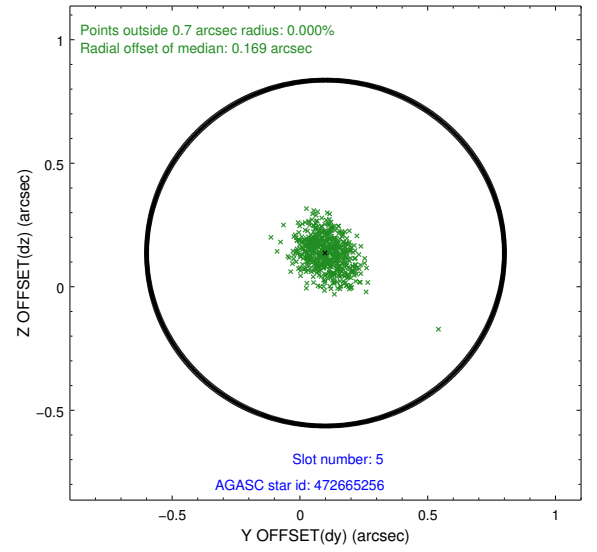
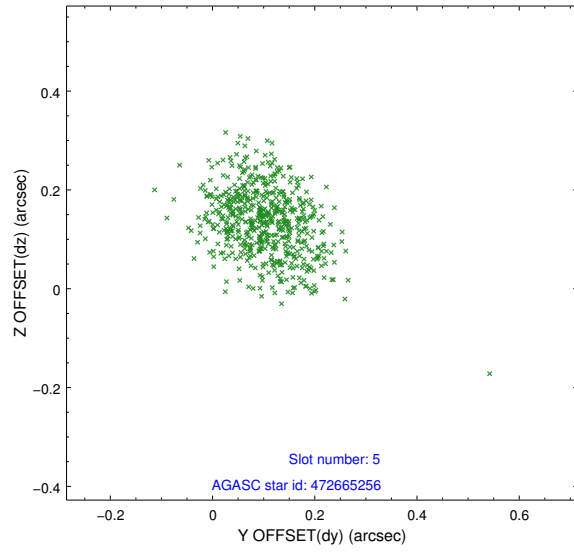
### 2.4.1 Slot 3



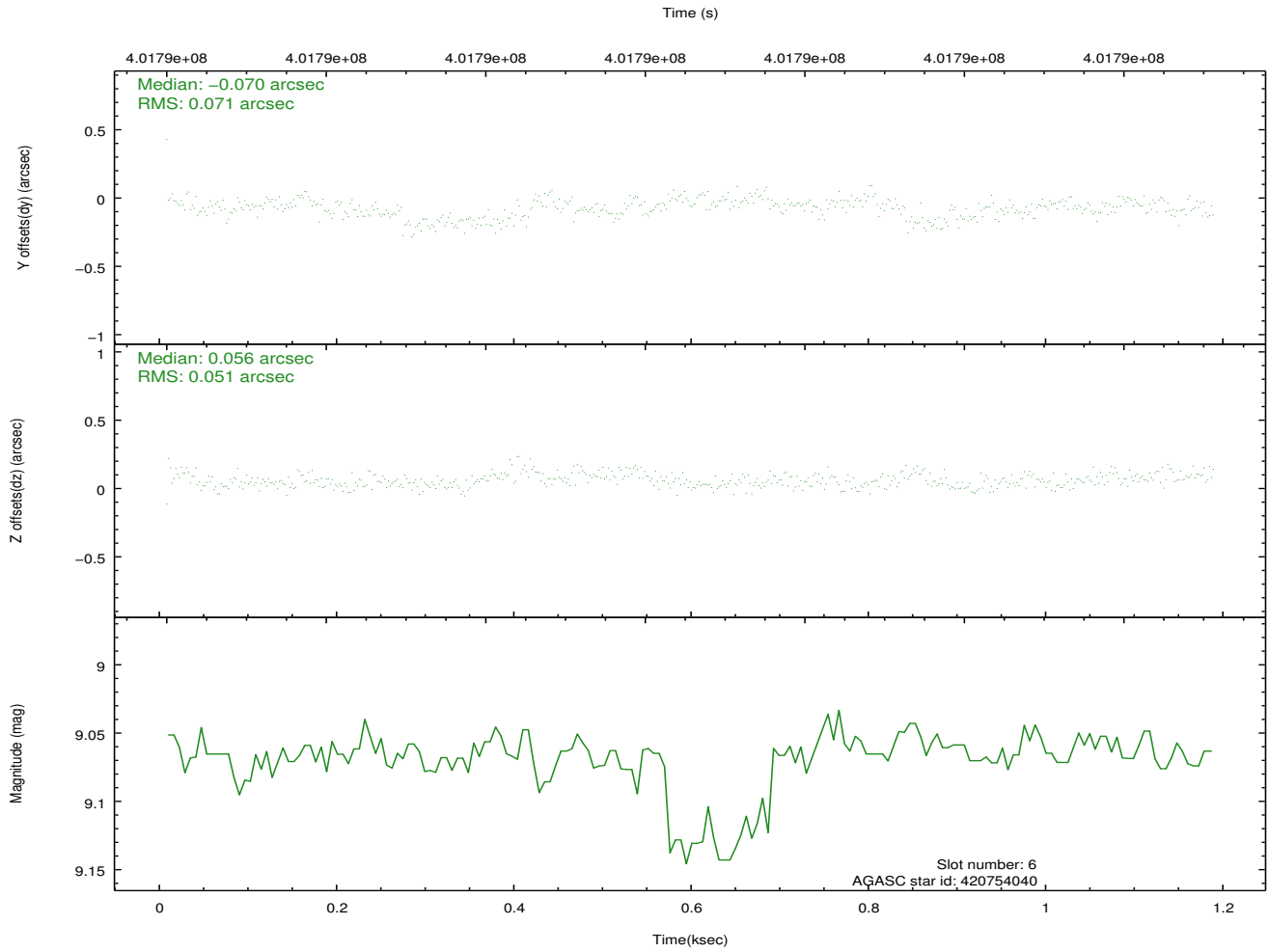
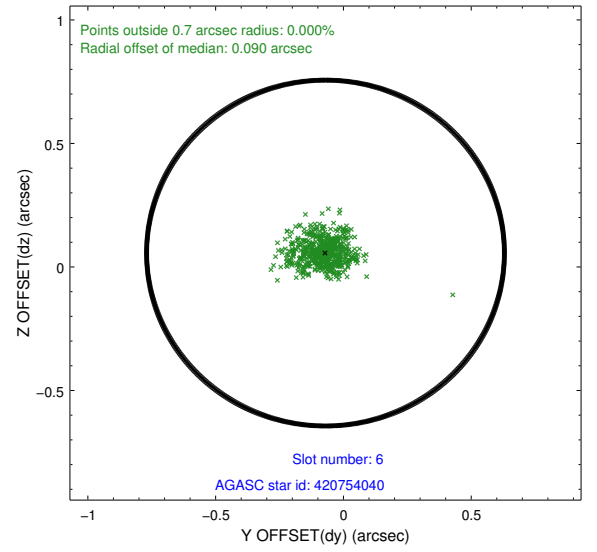
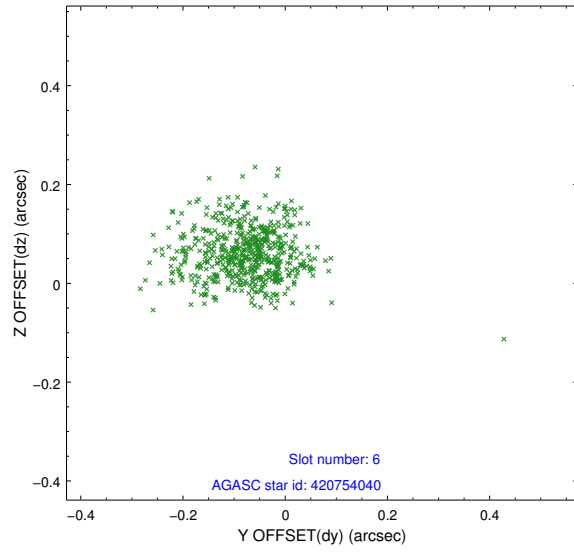
## 2.4.2 Slot 4



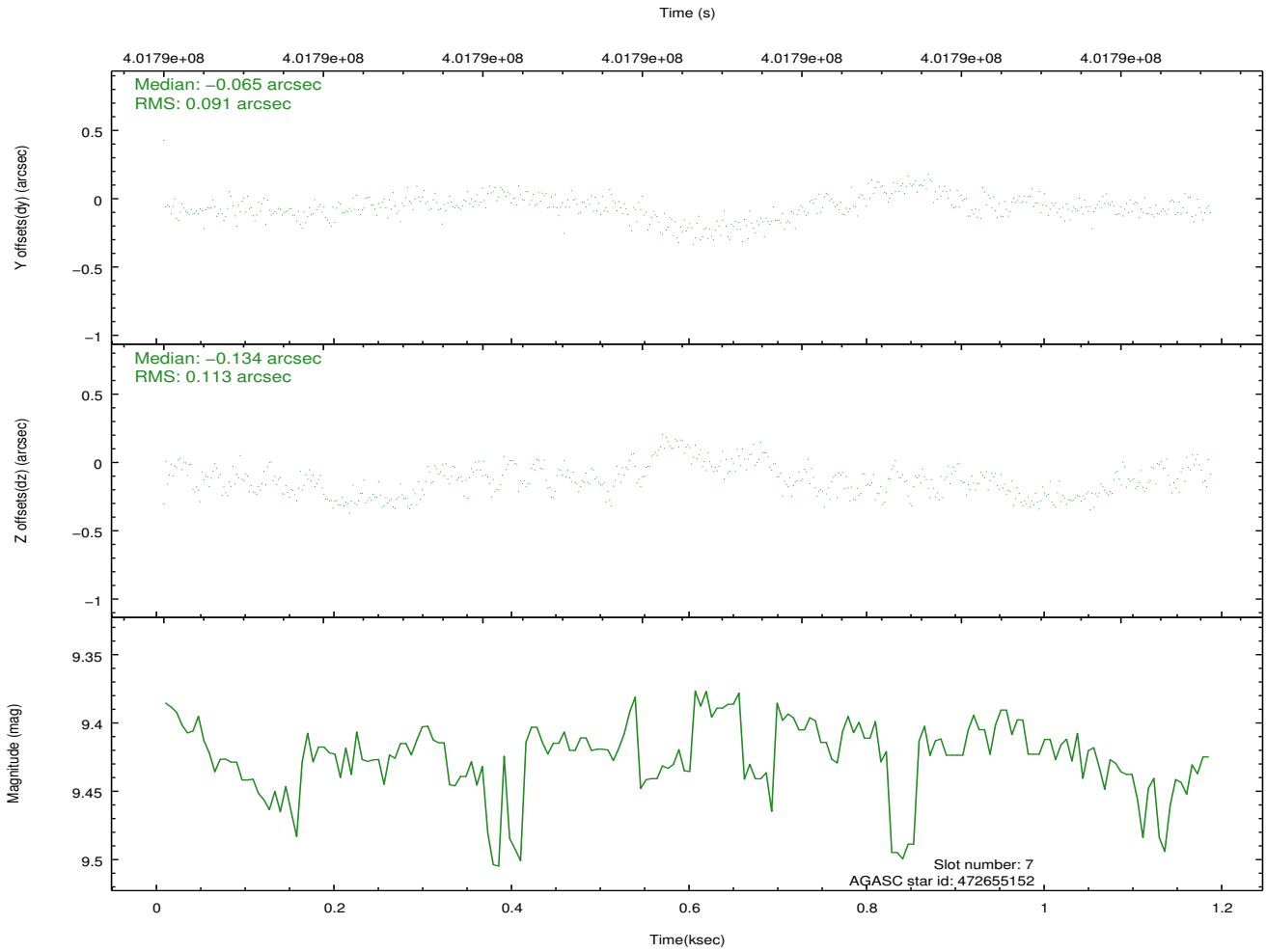
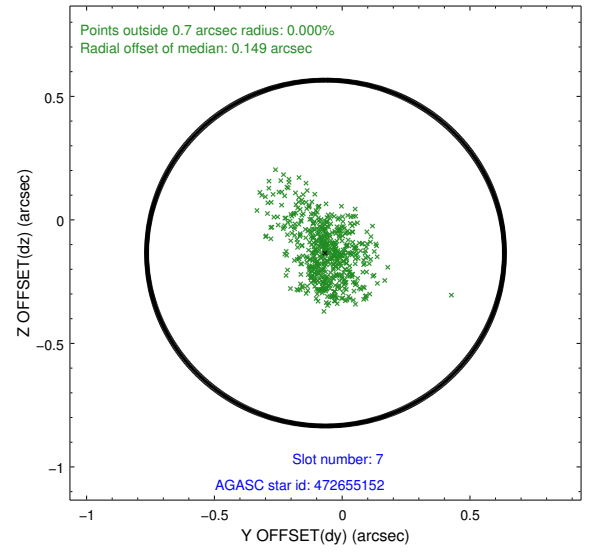
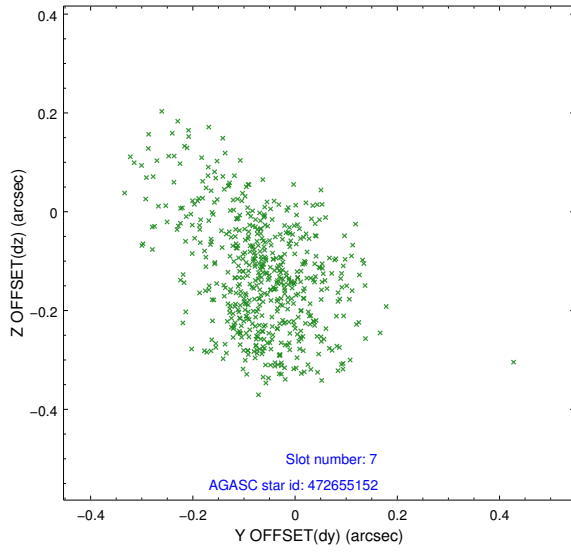
### 2.4.3 Slot 5



## 2.4.4 Slot 6

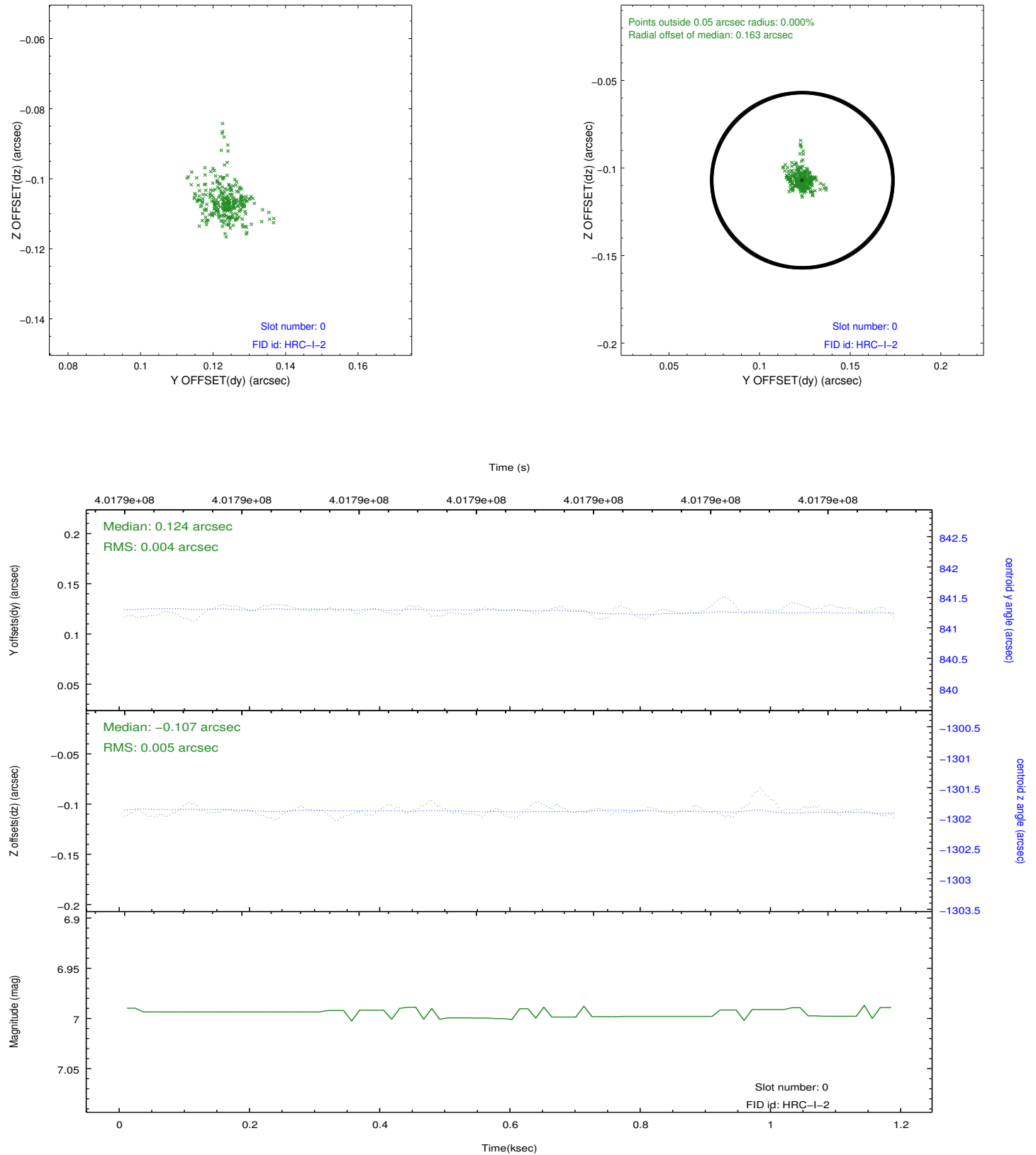


## 2.4.5 Slot 7

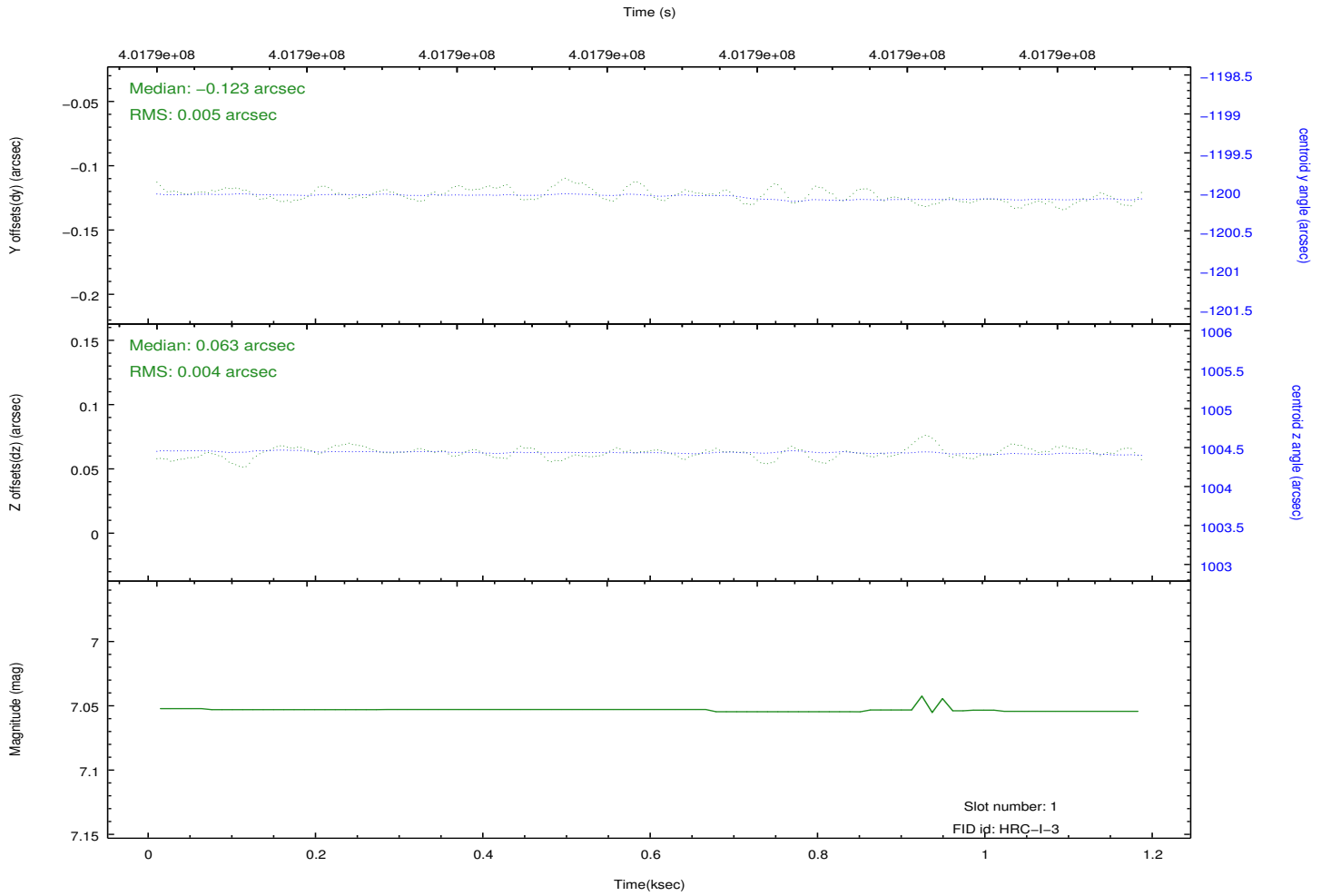
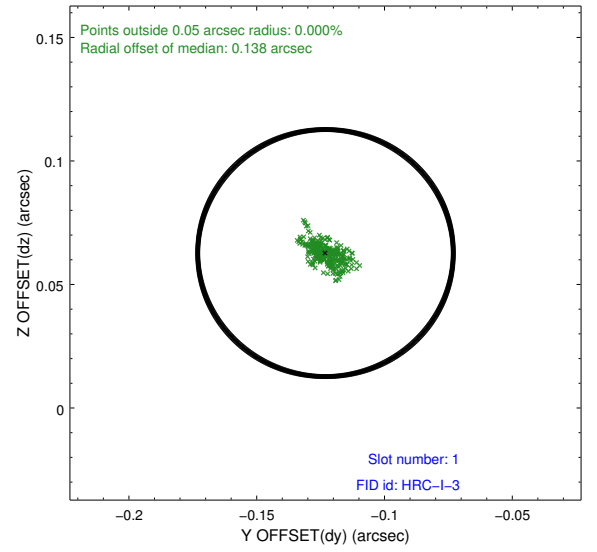
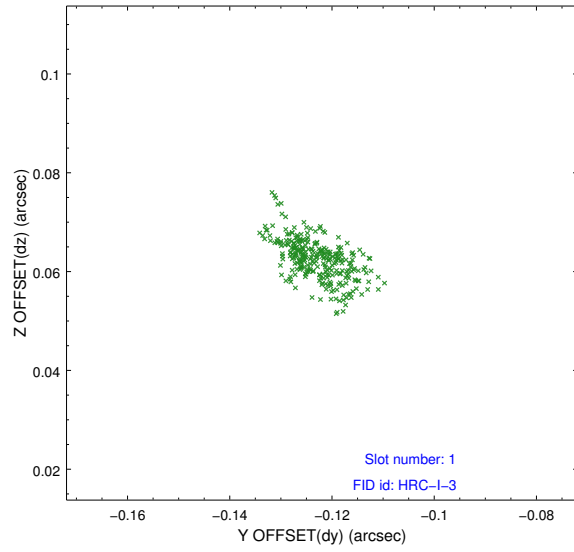


## 2.5 FID Slots

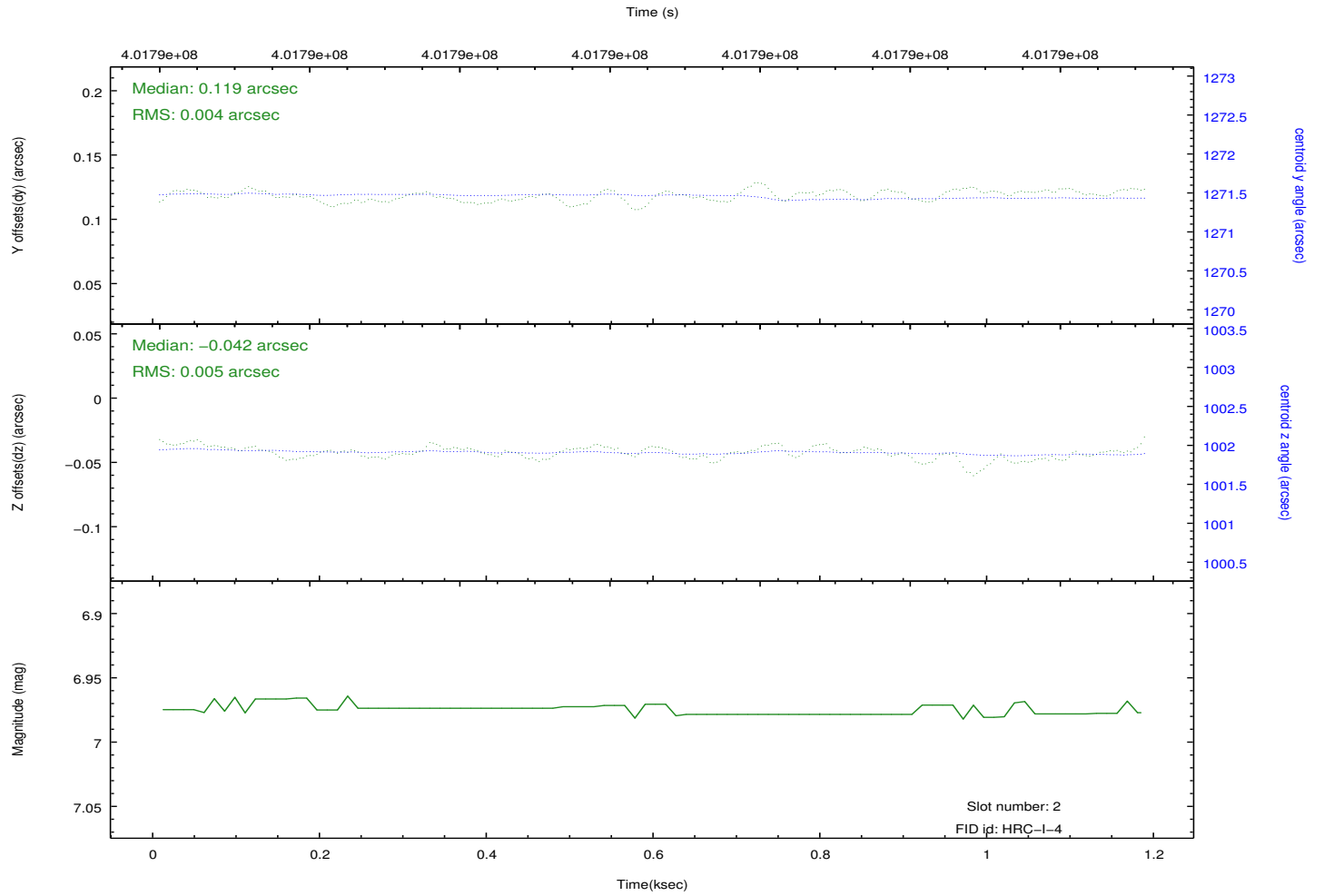
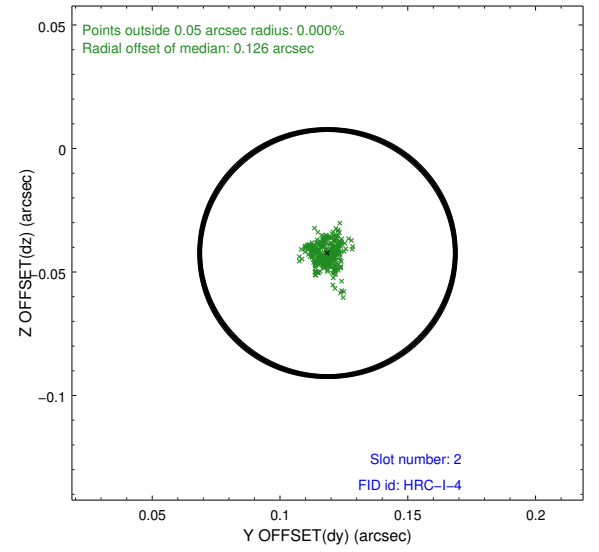
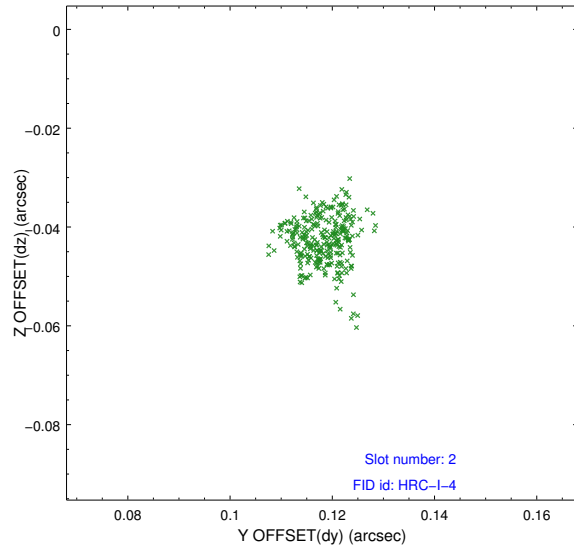
### 2.5.1 Slot 0



## 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	1.1800313105583

### A.2 Comments