

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11895 - L2 Version 2  
Chandra X-Ray Center

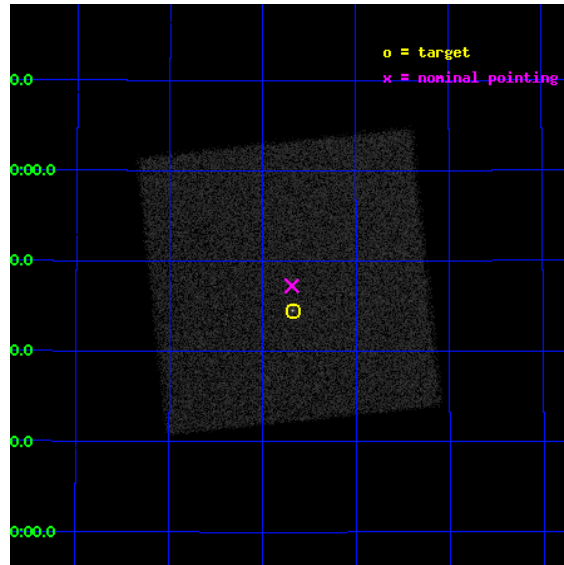
L2 Processing Date : Jul 3 2012

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# 1 Front

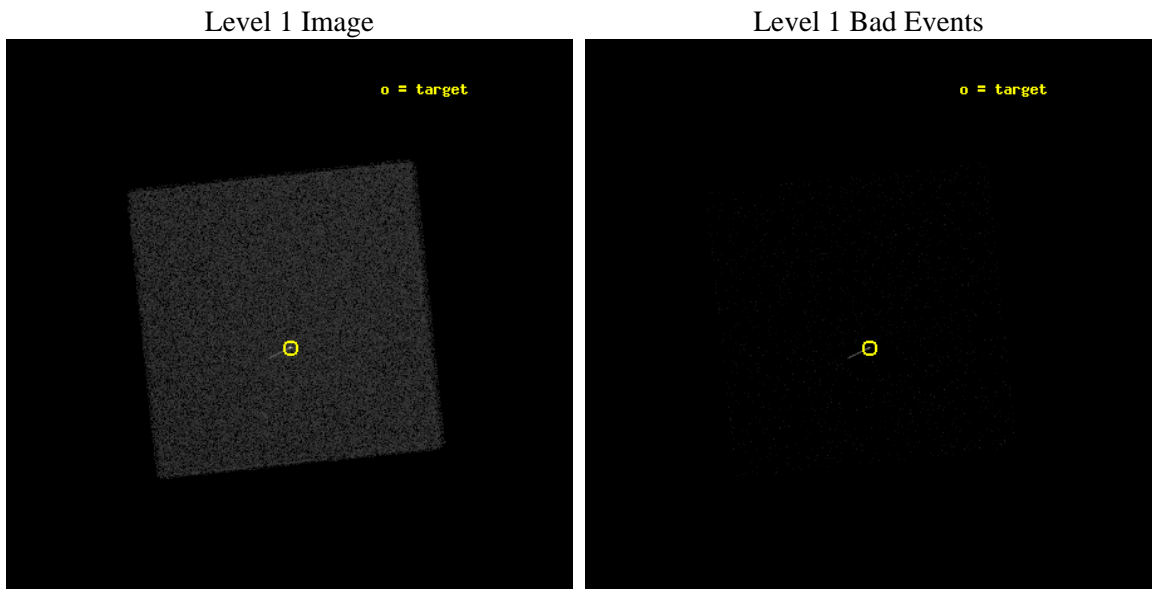
seq_num	290884	Sequence number
obs_id	11895	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1719066469	Nominal RA [deg]
dec_nom	45.787988245059	Nominal Dec [deg]
roll_nom	218.94433297161	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1181.8250605464	[s]
livetime	1168.8495619146	Ontime multiplied by DTCOR
l2events	91442	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	1181.8250605464	[s]
caldbver	4.5.0	&#160	l1events	161286	Number of level 1 events
date	2012-07-03T23:48:47	Date and time of file creation			
revision	2	Processing version of data			

### 2.1.3 Events

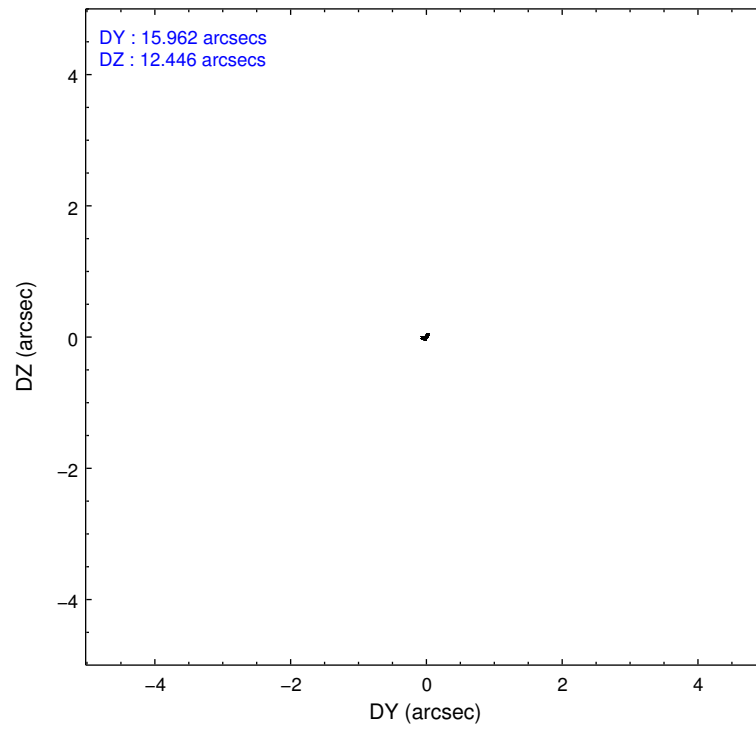
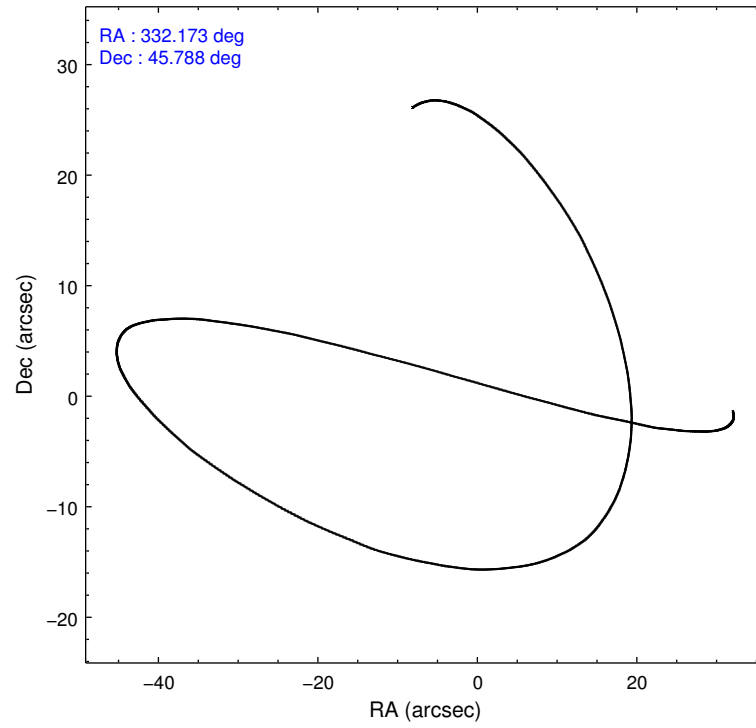
#### Level 1 Events

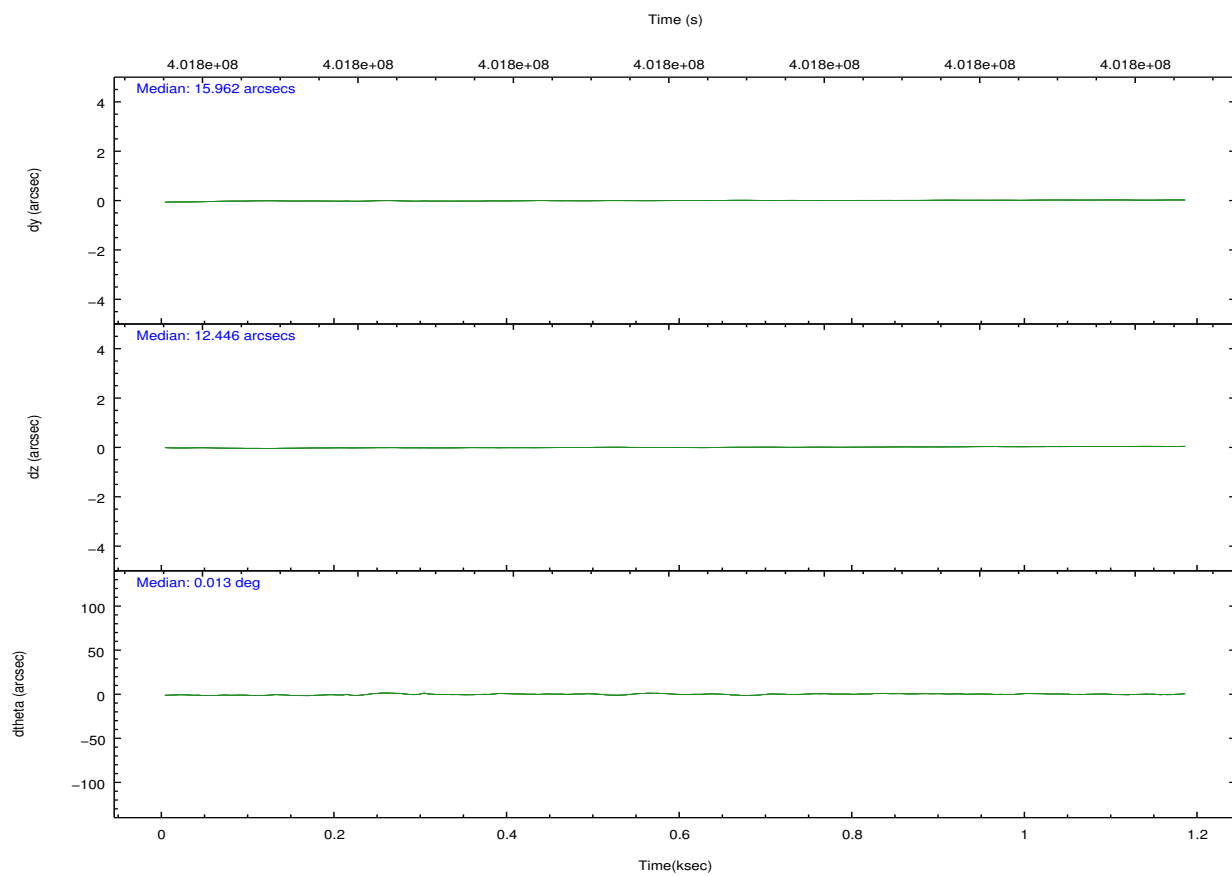
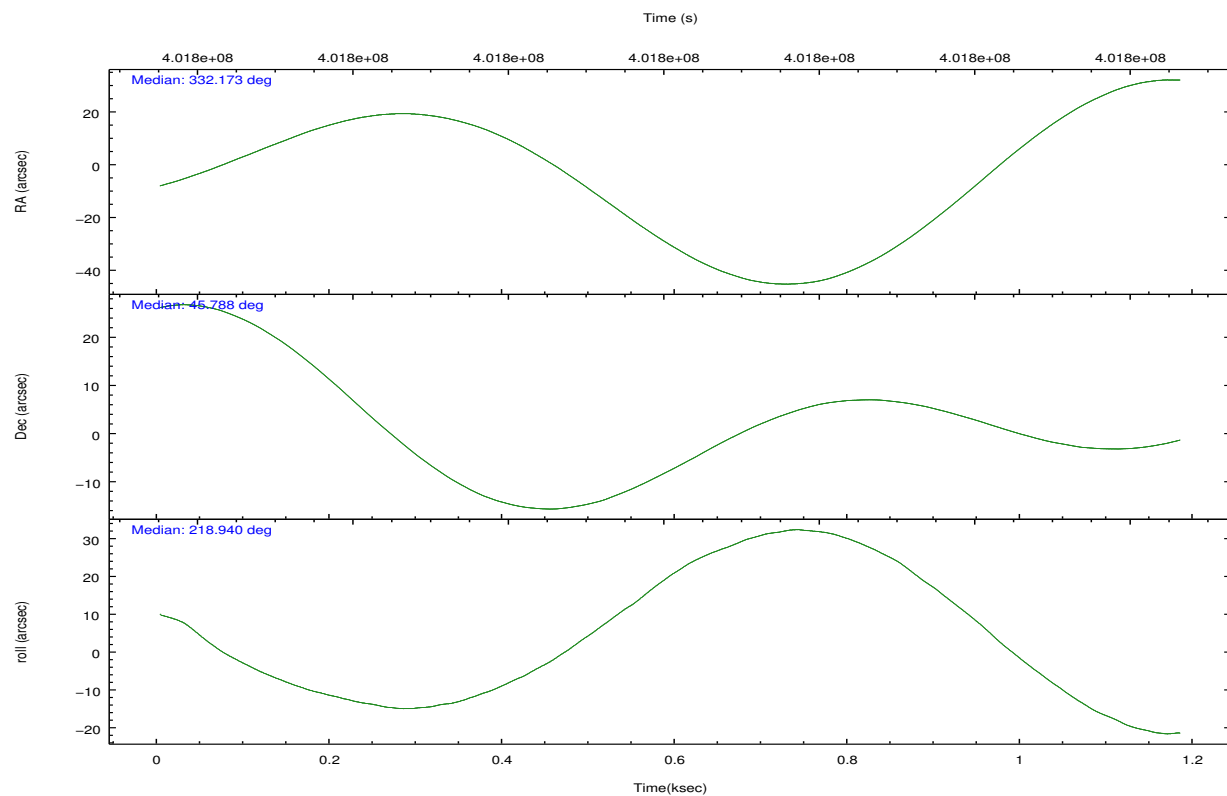
	<b>segment 0</b>
level 1 events	161286
rejected events	34662
rejected %	21%

## 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	332.184411	332.1719066468987			
[deg] Pointing Dec	45.813537	45.78798824505895			
[deg] Pointing Roll	219.030842	218.9443329716061			
[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)	401796603.184000	401796227.11335			
Observation start date	2010-09-25T10:08:57	2010-09-25T10:03:47			
[s] Observation end time (MET)	401797603.184000	401797736.93843			
Observation end date	2010-09-25T10:25:37	2010-09-25T10:28:56			

## 2.3 Aspect





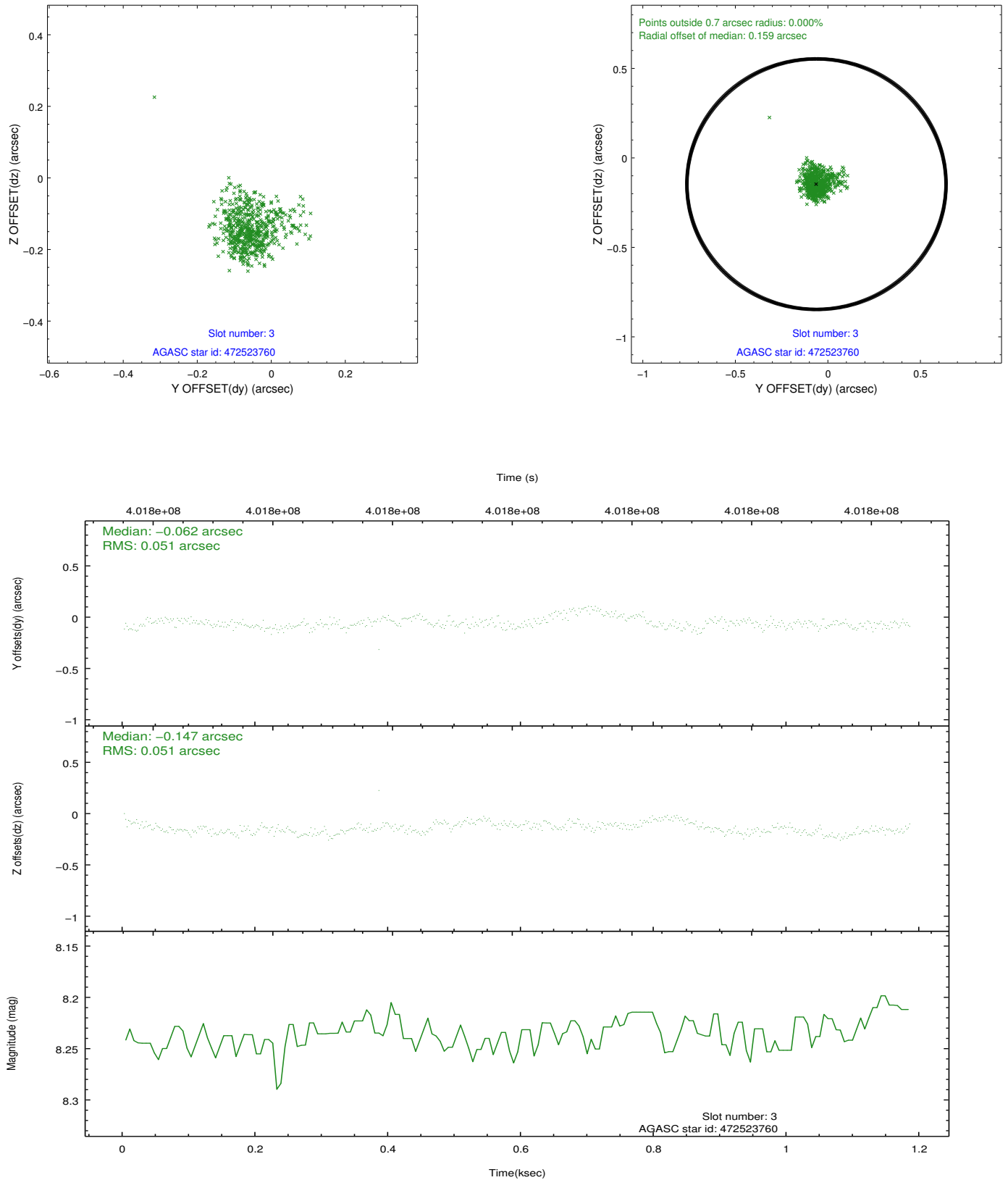
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	-0.106	-0.017	0.006	0.010	0.000000	0.000000	-772.01	-1300.41
1	FID	HRC-I-2	6.99	289	0.188	-0.085	0.007	0.011	0.000000	0.000000	838.24	-1306.68
2	FID	HRC-I-4	6.98	289	0.034	0.010	0.005	0.010	0.000000	0.000000	1274.02	997.09
3	GUIDE	472523760	8.24	578	-0.062	-0.147	0.072	0.126	331.645363	45.403260	1987.50	285.11
4	GUIDE	472533912	9.15	576	0.083	0.027	0.128	0.206	331.791136	46.368695	-495.75	-2169.73
5	GUIDE	472654568	9.42	578	-0.058	0.092	0.101	0.167	332.194449	45.063576	1681.21	2109.21
6	GUIDE	472655152	9.43	577	-0.031	-0.128	0.115	0.182	332.504239	45.862991	-731.32	368.37
7	GUIDE	472665256	9.03	577	0.072	0.144	0.102	0.159	332.808125	46.195041	-2075.49	-92.75

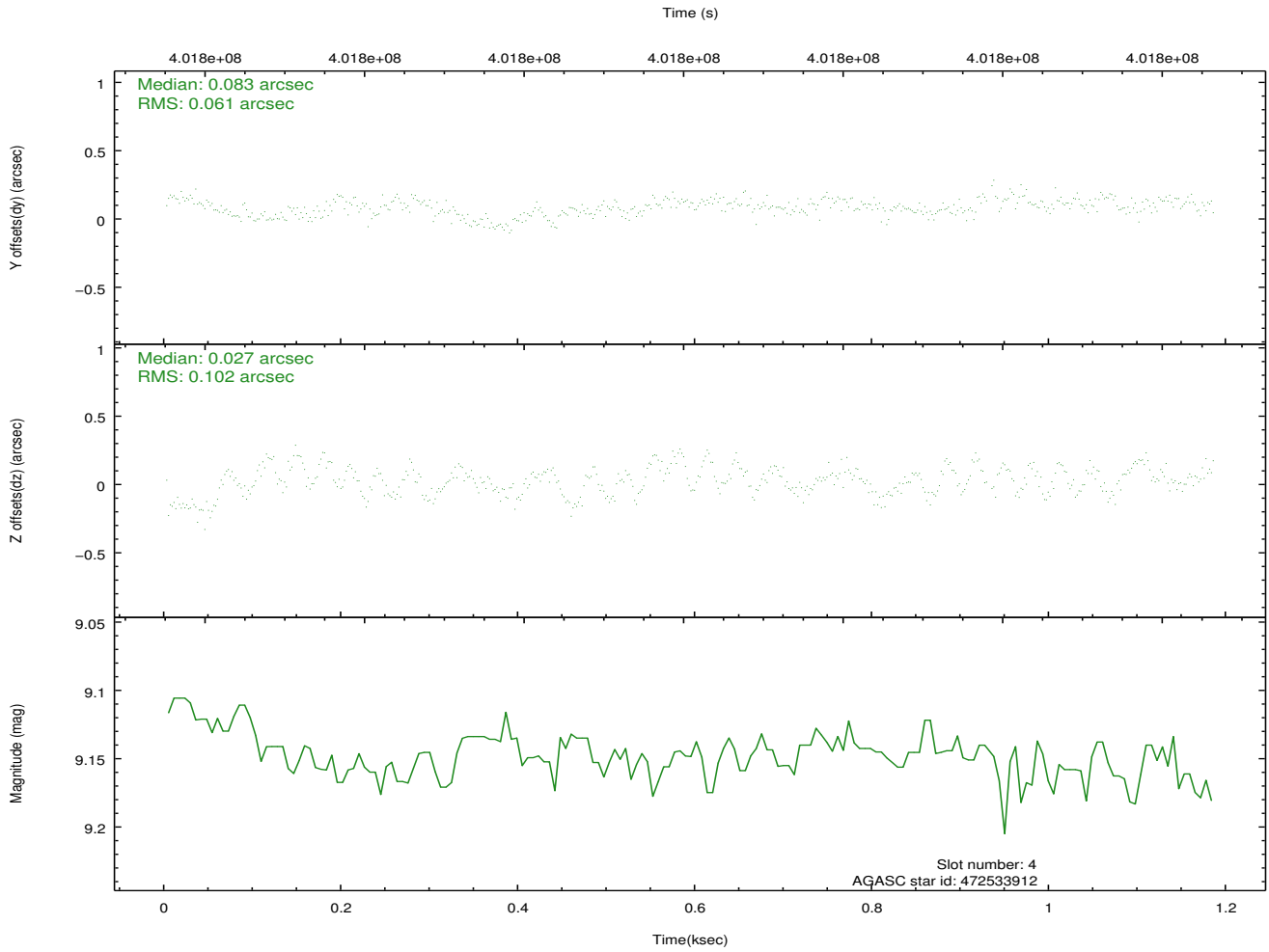
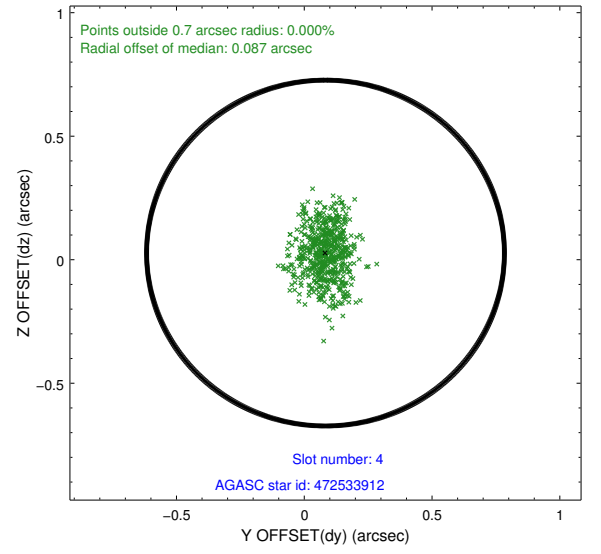
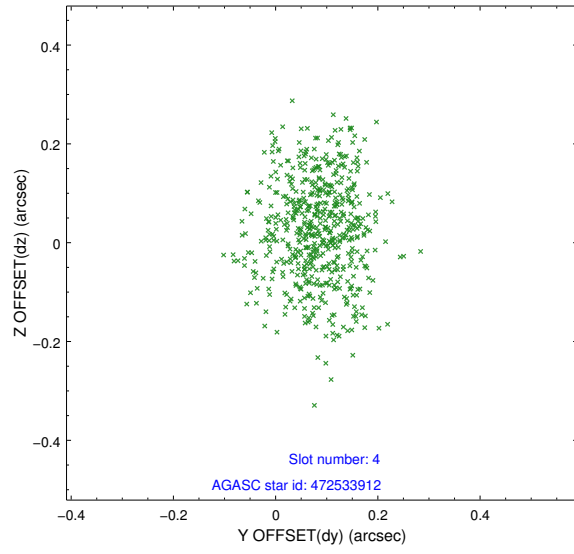


## 2.4 Star Slots

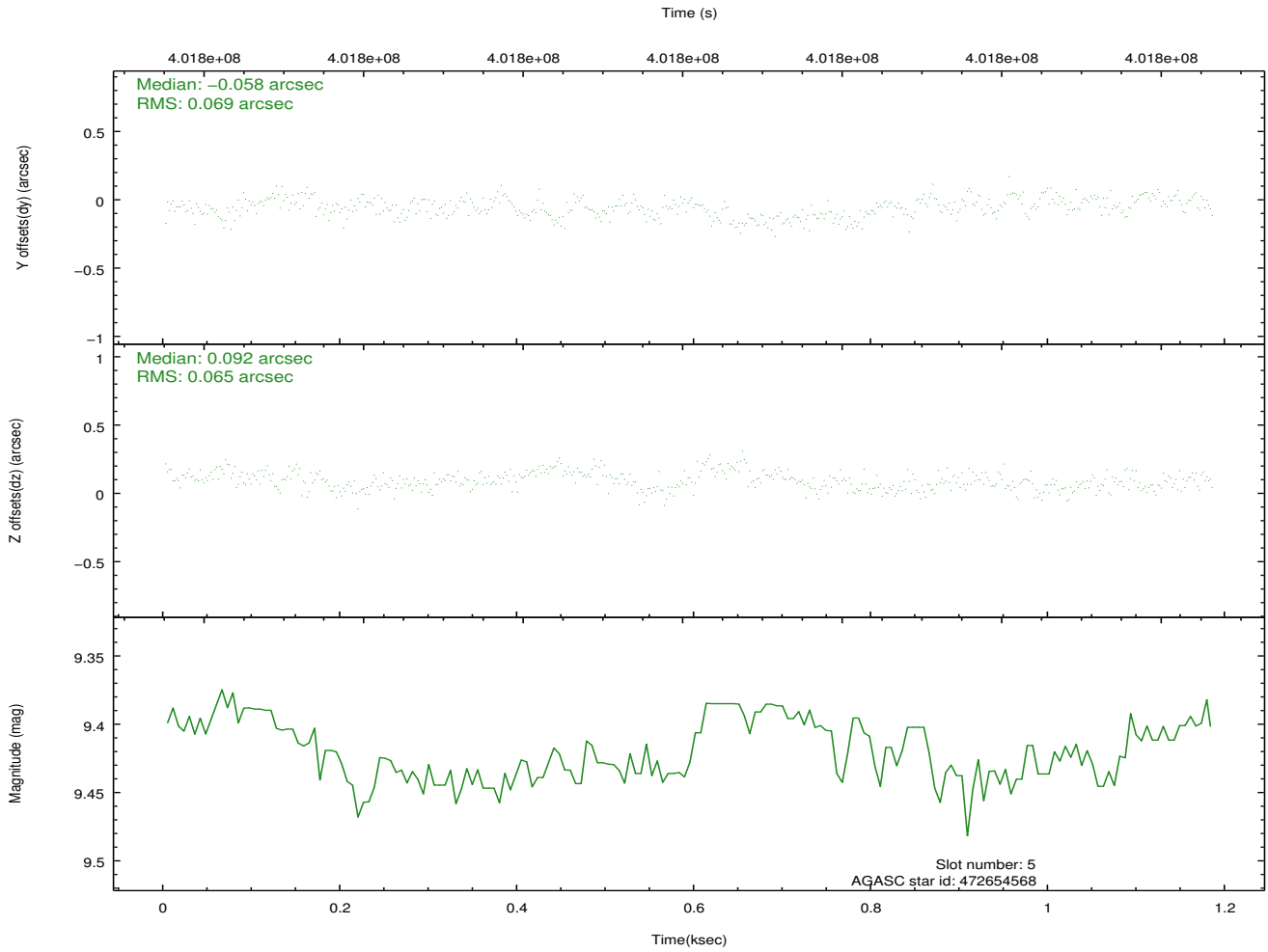
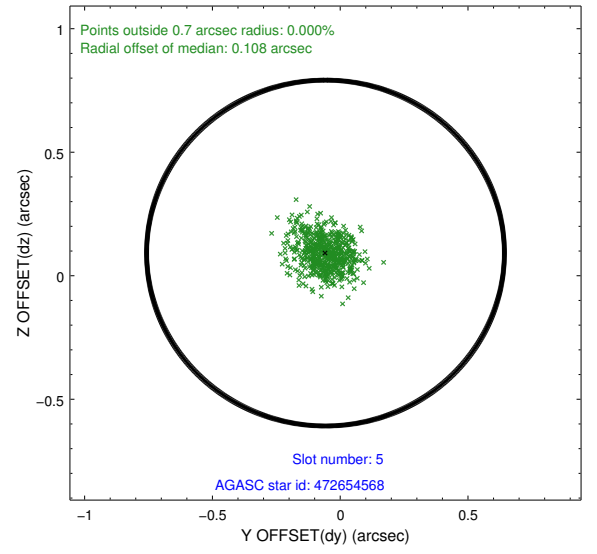
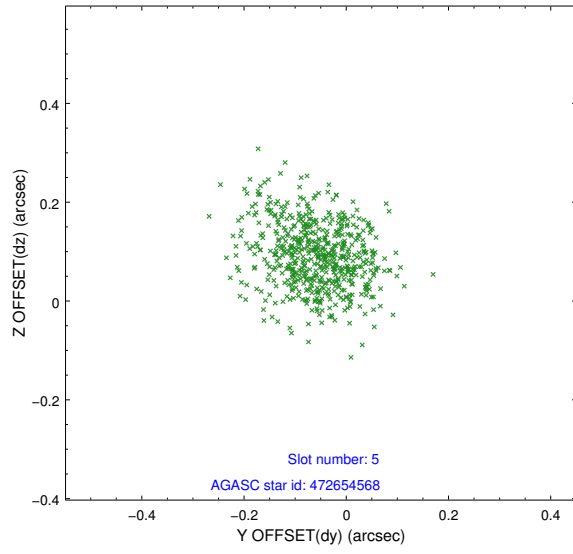
### 2.4.1 Slot 3



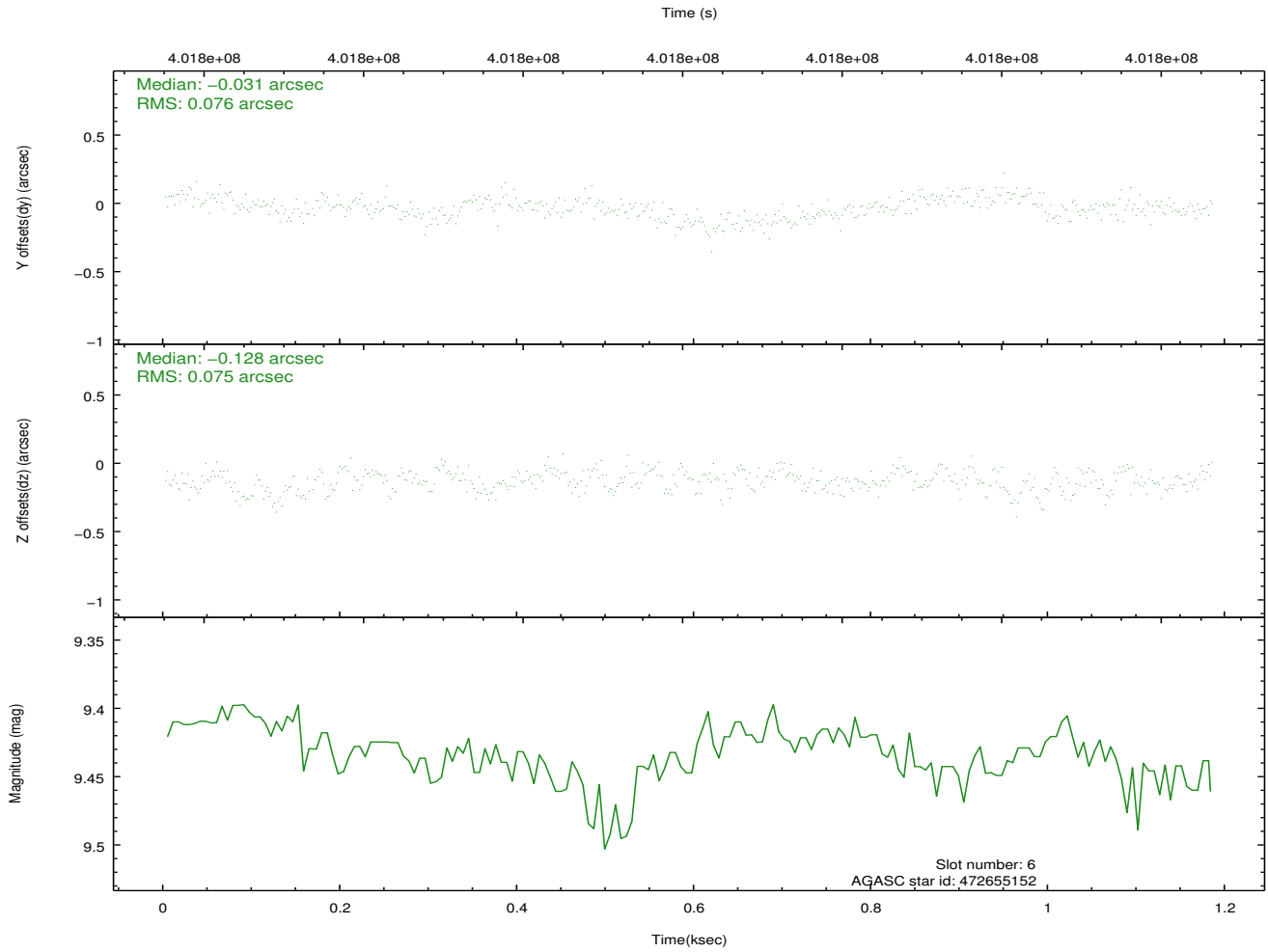
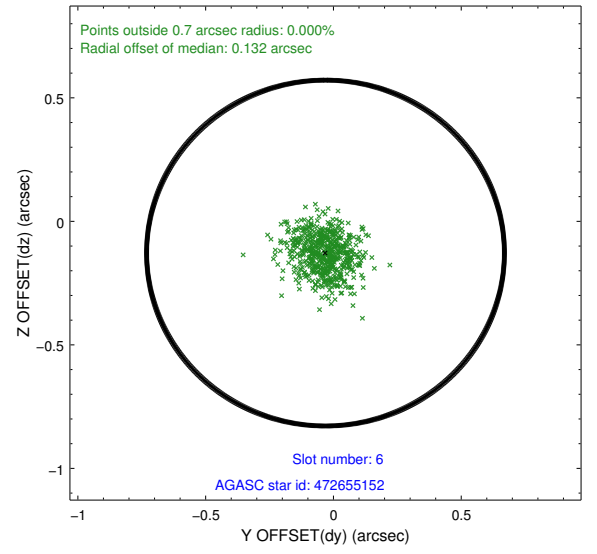
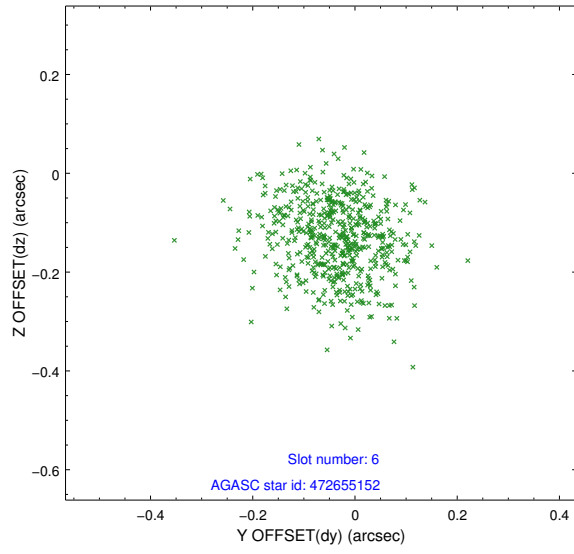
## 2.4.2 Slot 4



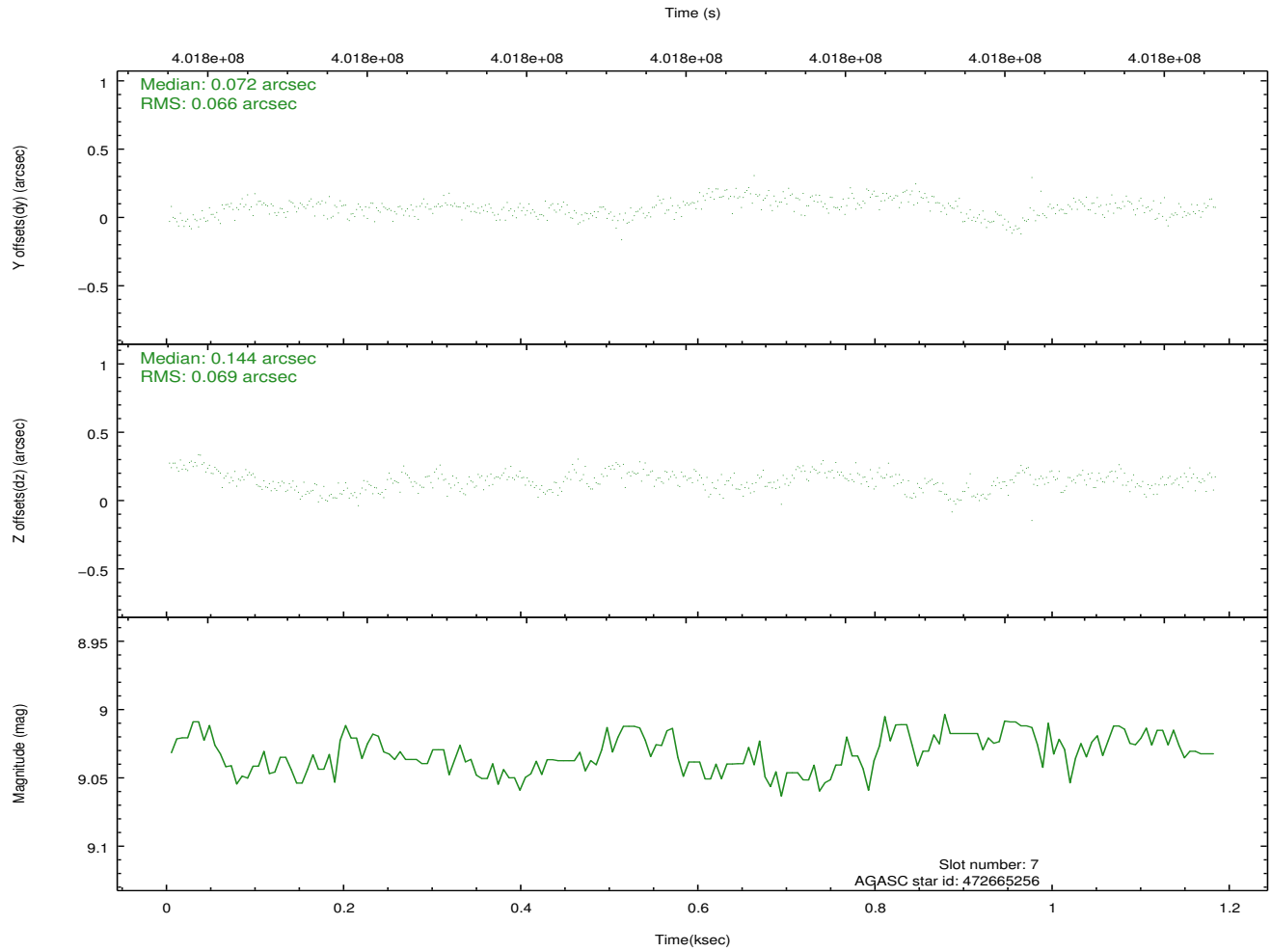
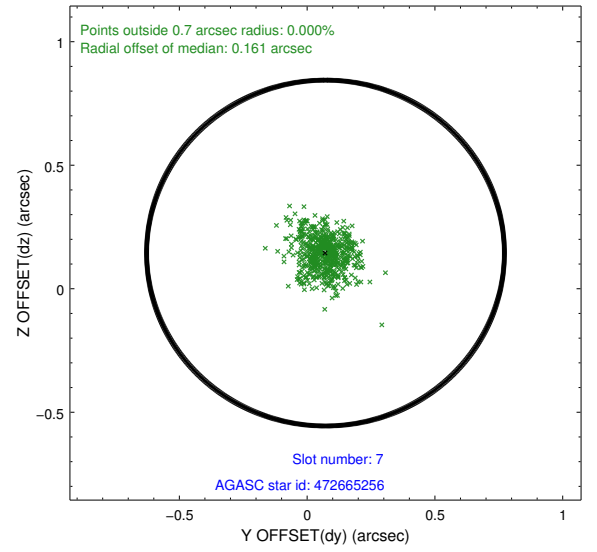
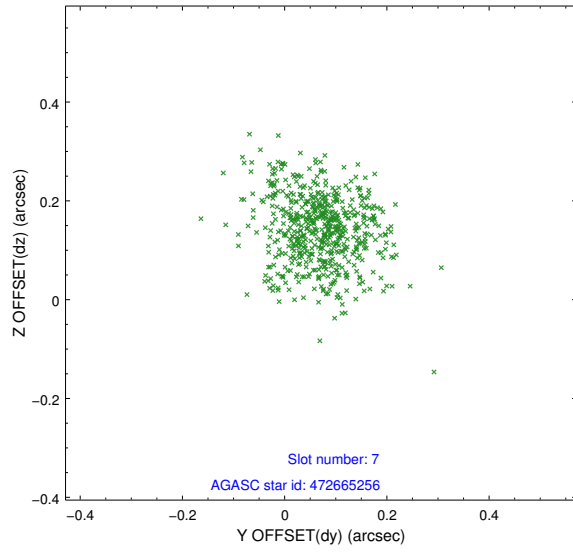
### 2.4.3 Slot 5



## 2.4.4 Slot 6

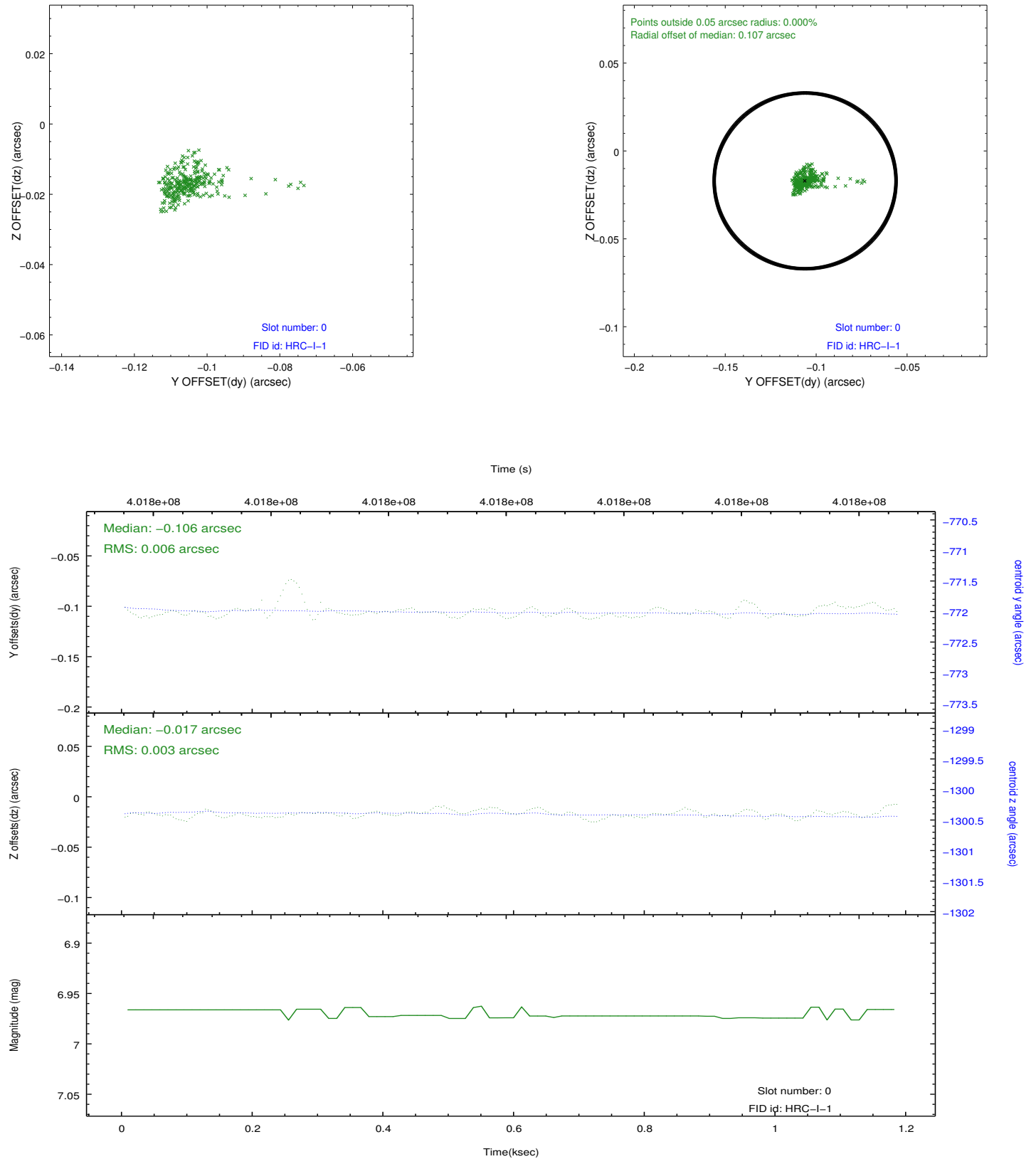


## 2.4.5 Slot 7

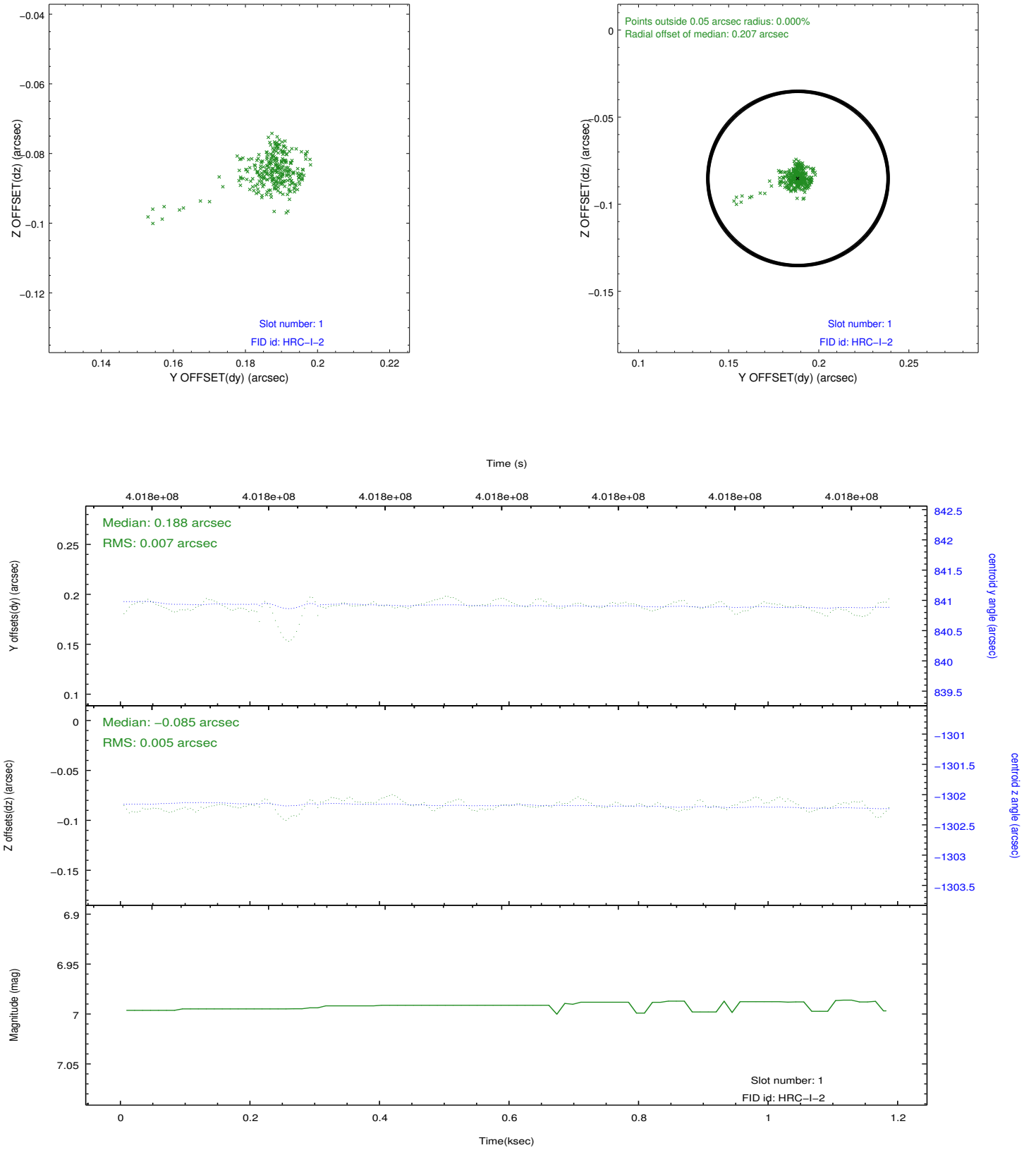


## 2.5 FID Slots

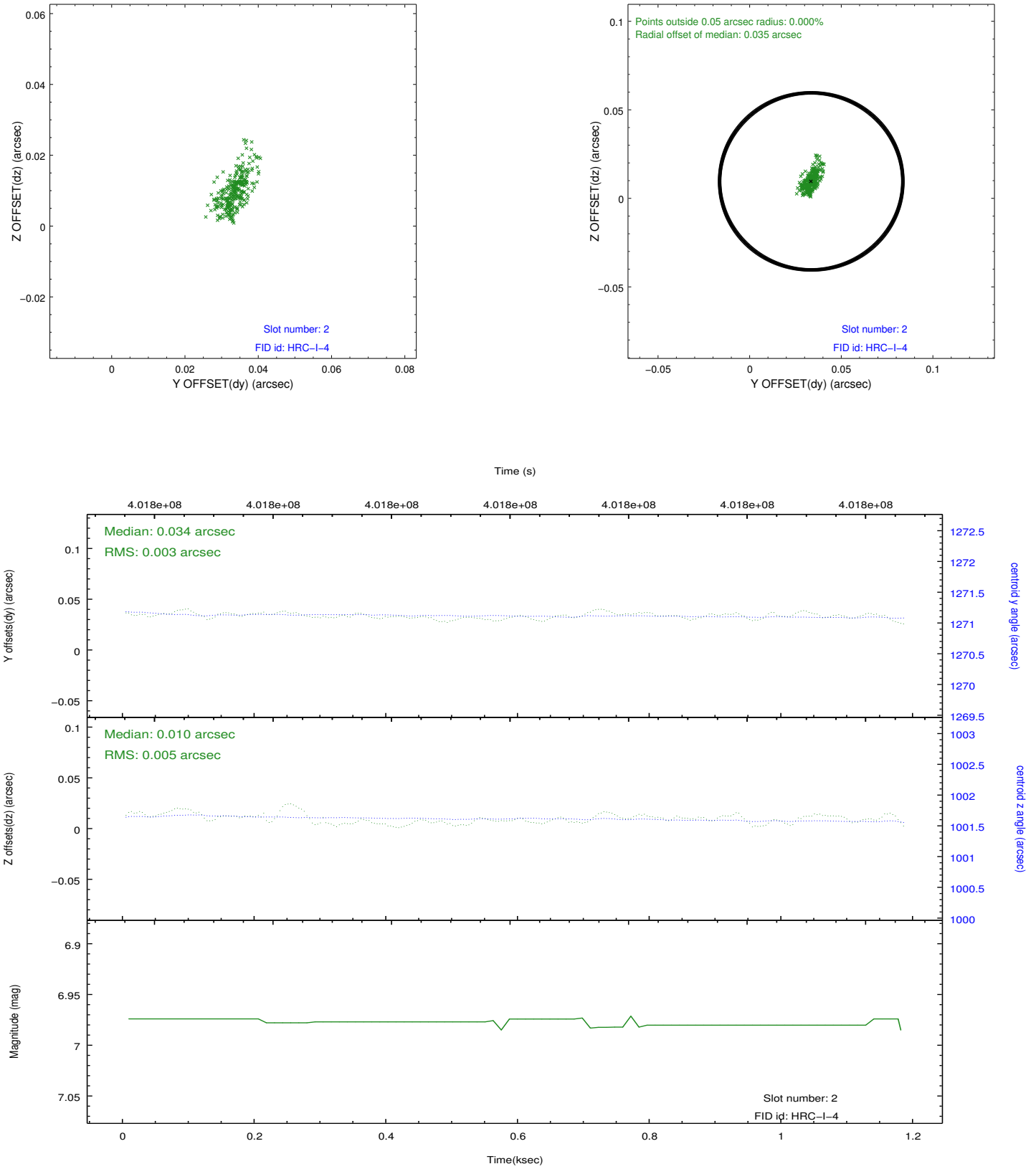
### 2.5.1 Slot 0



## 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	1.1820813106894

### A.2 Comments