

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10594 - L2 Version 3  
Chandra X-Ray Center

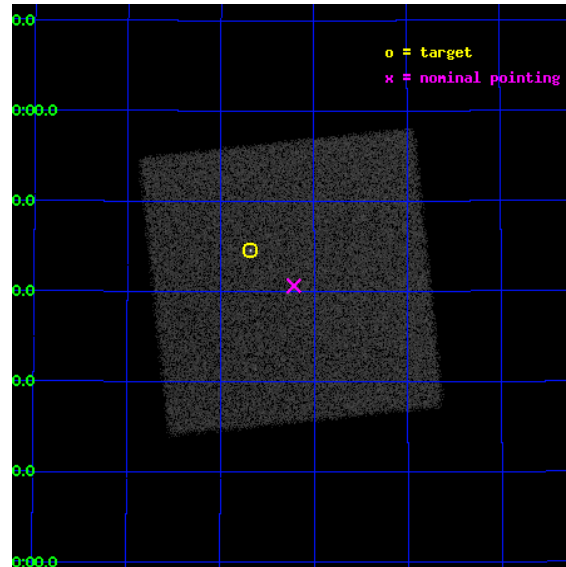
L2 Processing Date : Aug 13 2012

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# 1 Front

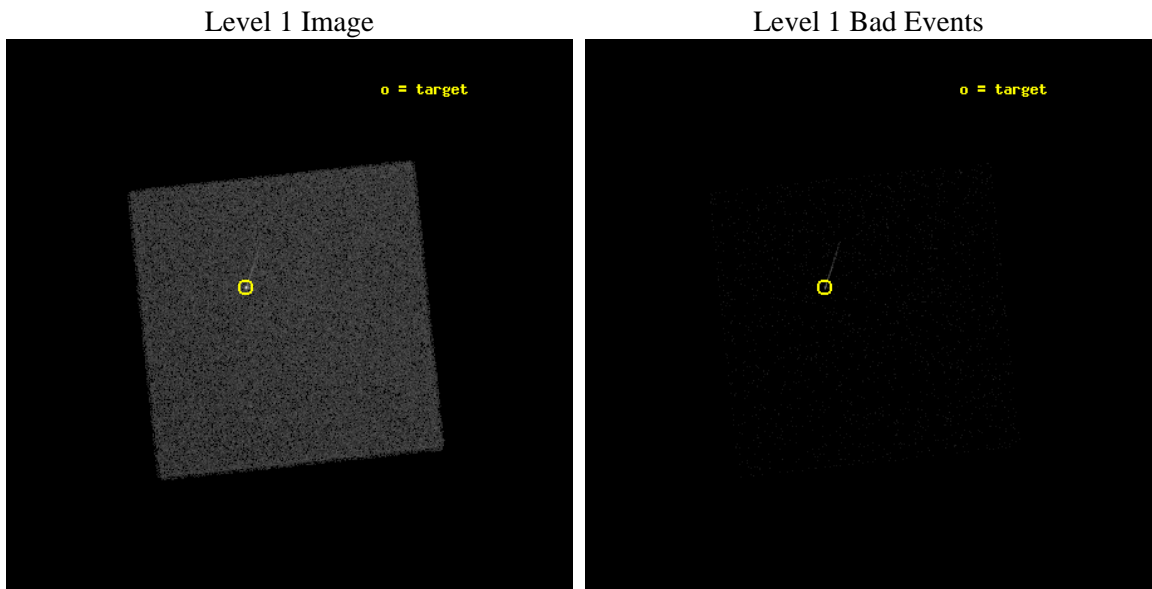
seq_num	290830	Sequence number
obs_id	10594	Observation id
title	AO-10 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.05382362653	Nominal RA [deg]
dec_nom	45.677261543786	Nominal Dec [deg]
roll_nom	218.91798976272	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1181.8250594139	[s]
livetime	1167.0339699239	Ontime multiplied by DTCOR
l2events	94052	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	1181.8250594139	[s]
caldbver	4.5.1.1	&#160	l1events	172312	Number of level 1 events
date	2012-08-13T14:46:26	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

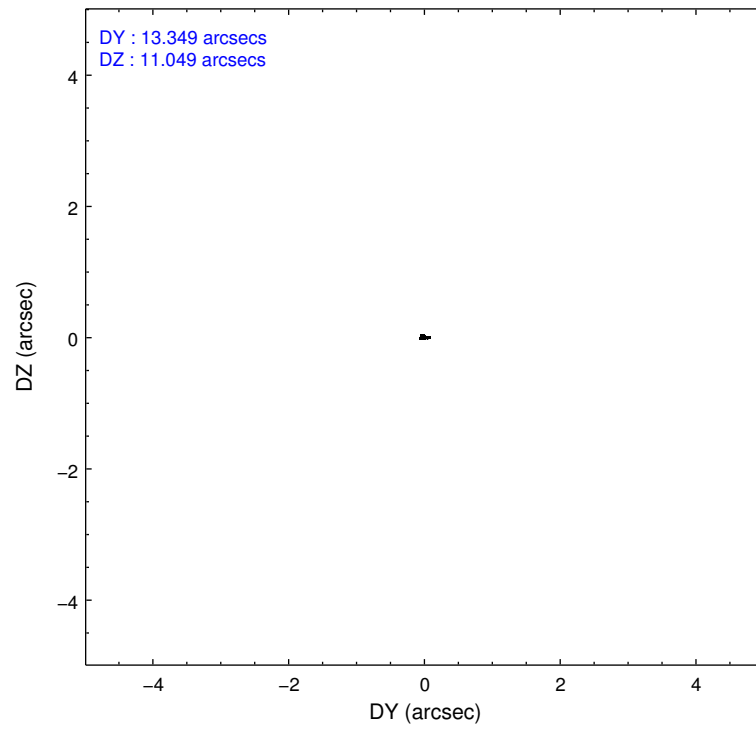
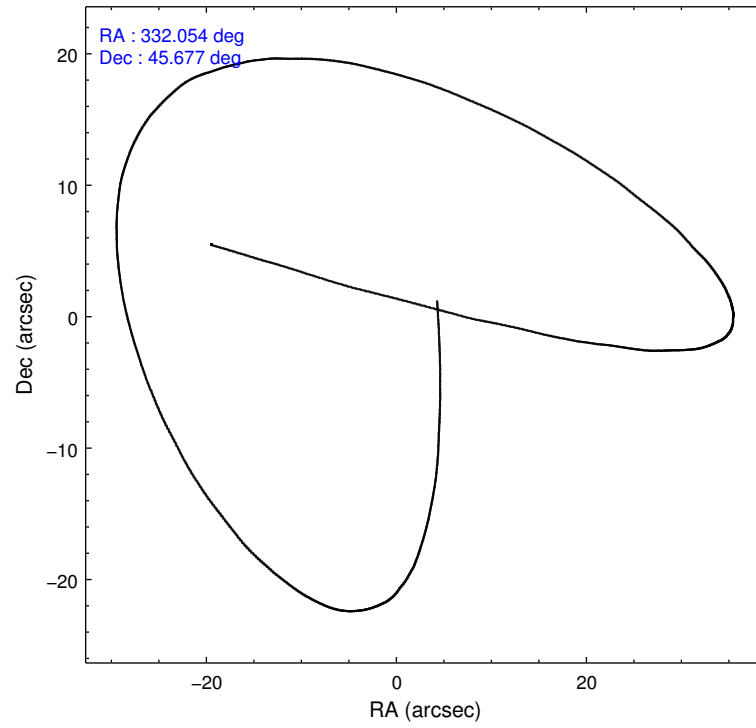
#### Level 1 Events

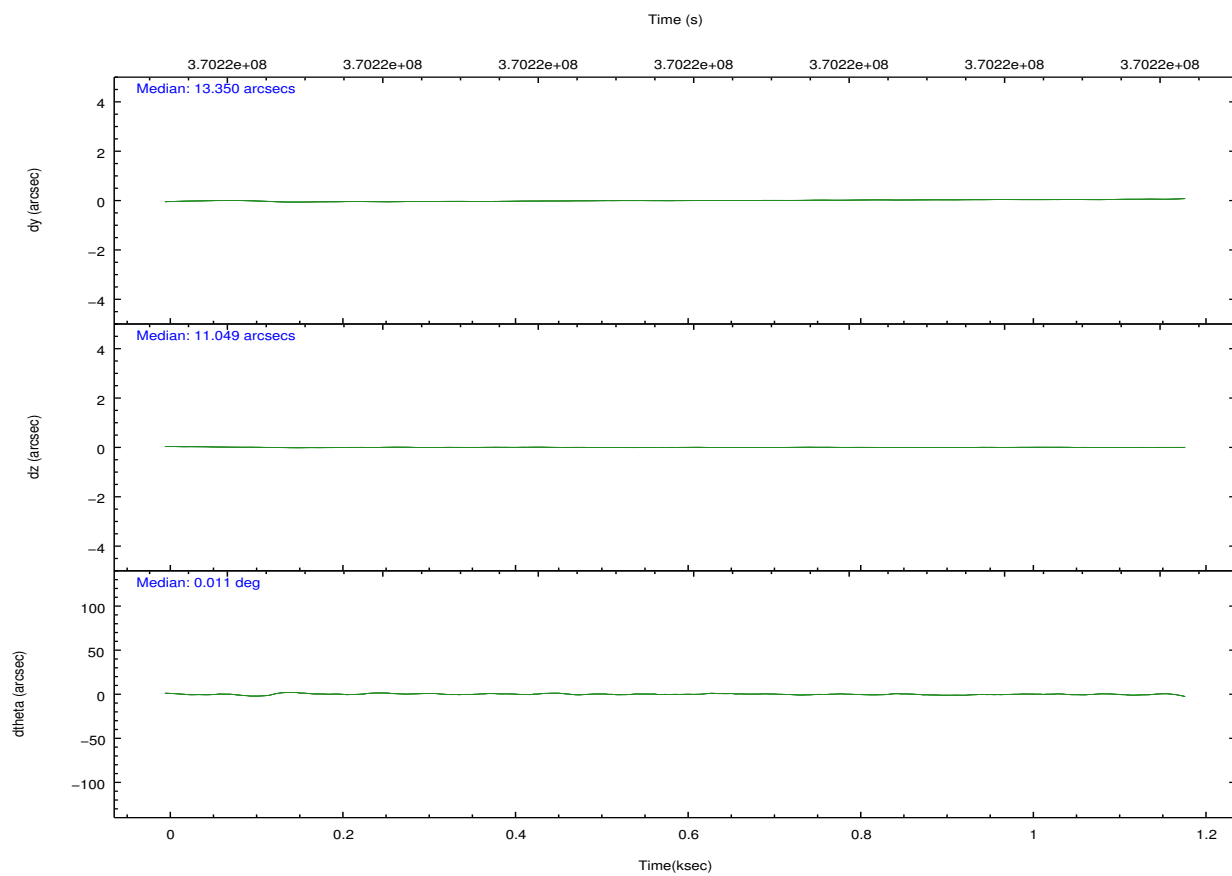
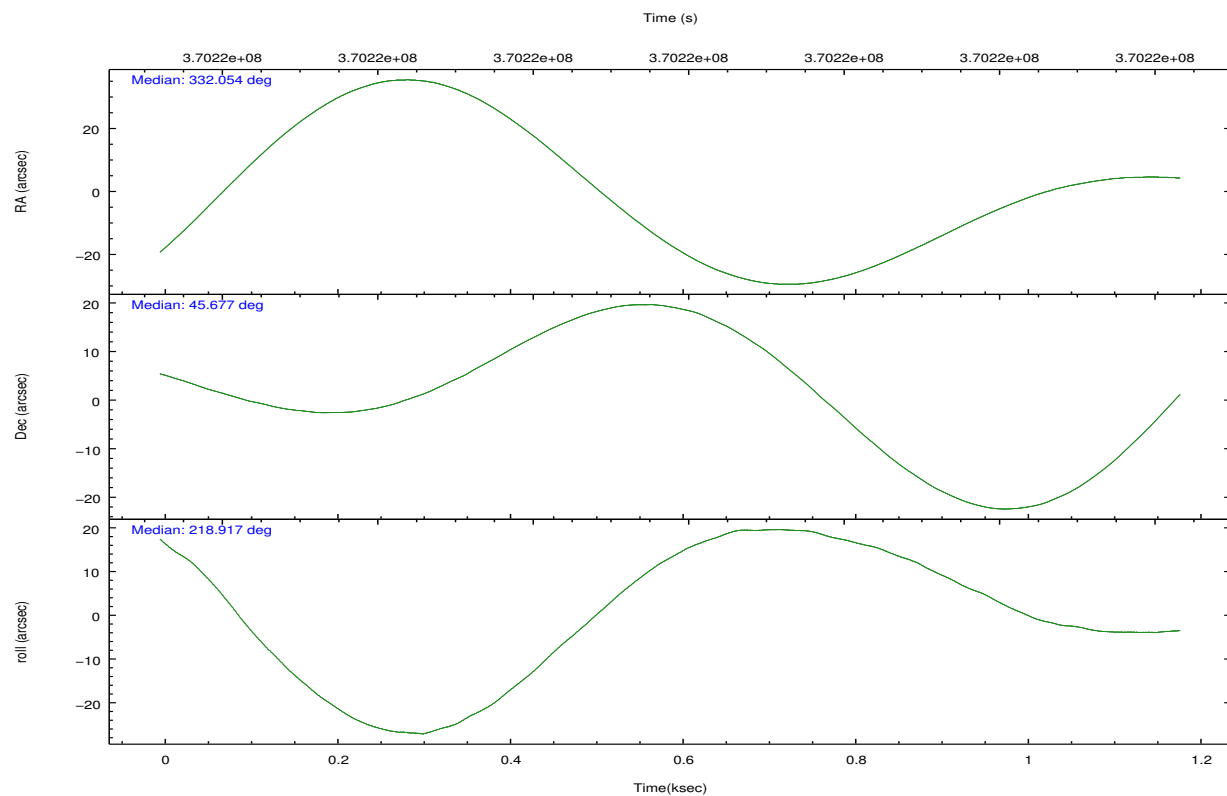
	<b>segment 0</b>
level 1 events	172312
rejected events	37125
rejected %	21%

## 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	332.066056	332.053823626526			
[deg] Pointing Dec	45.703758	45.67726154378604			
[deg] Pointing Roll	219.004704	218.9179897627166			
[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)	370222959.184000	370222583.68482			
Observation start date	2009-09-24T23:41:33	2009-09-24T23:36:23			
[s] Observation end time (MET)	370223959.184000	370224093.5099			
Observation end date	2009-09-24T23:58:13	2009-09-25T00:01:33			

## 2.3 Aspect





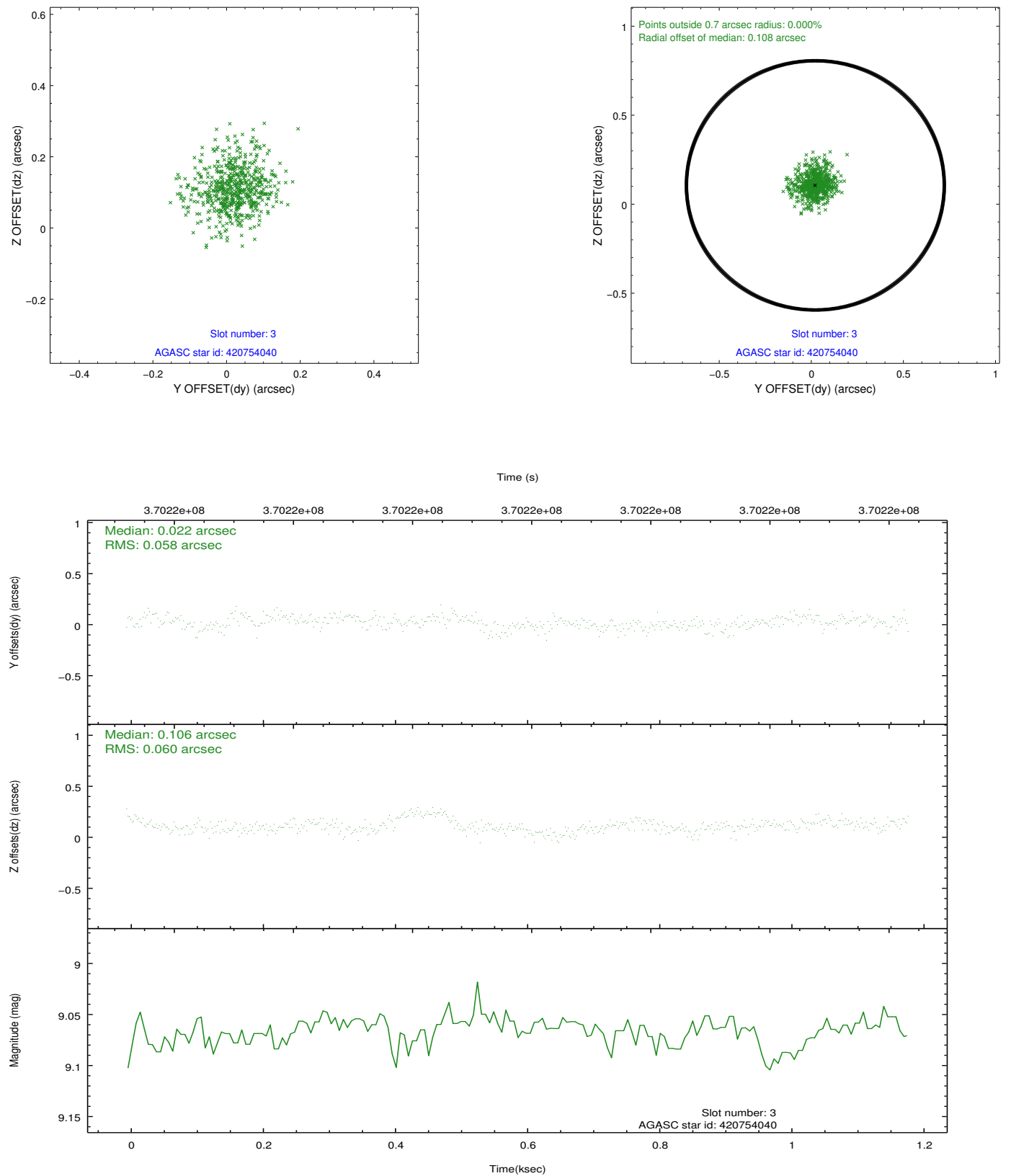
### Slot Statistics

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	289	-0.135	-0.059	0.006	0.010	0.000000	0.000000	-769.30	-1298.99
1	FID	HRC-I-2	7.02	289	0.183	-0.071	0.007	0.013	0.000000	0.000000	840.99	-1305.13
2	FID	HRC-I-4	7.00	289	0.068	0.038	0.005	0.009	0.000000	0.000000	1276.70	998.67
3	GUIDE	420754040	9.07	578	0.022	0.106	0.087	0.148	331.917939	44.882543	2153.18	2056.19
4	GUIDE	472523760	8.24	575	0.084	-0.051	0.063	0.101	331.645363	45.403260	1509.61	169.01
5	GUIDE	472533912	9.15	576	-0.004	0.163	0.125	0.186	331.791136	46.368695	-973.90	-2294.33
6	GUIDE	472651904	6.13	578	-0.085	-0.226	0.081	0.135	332.170077	45.742257	-291.96	48.00
7	GUIDE	472655152	9.41	575	-0.006	-0.013	0.126	0.194	332.504239	45.862991	-1216.67	239.97

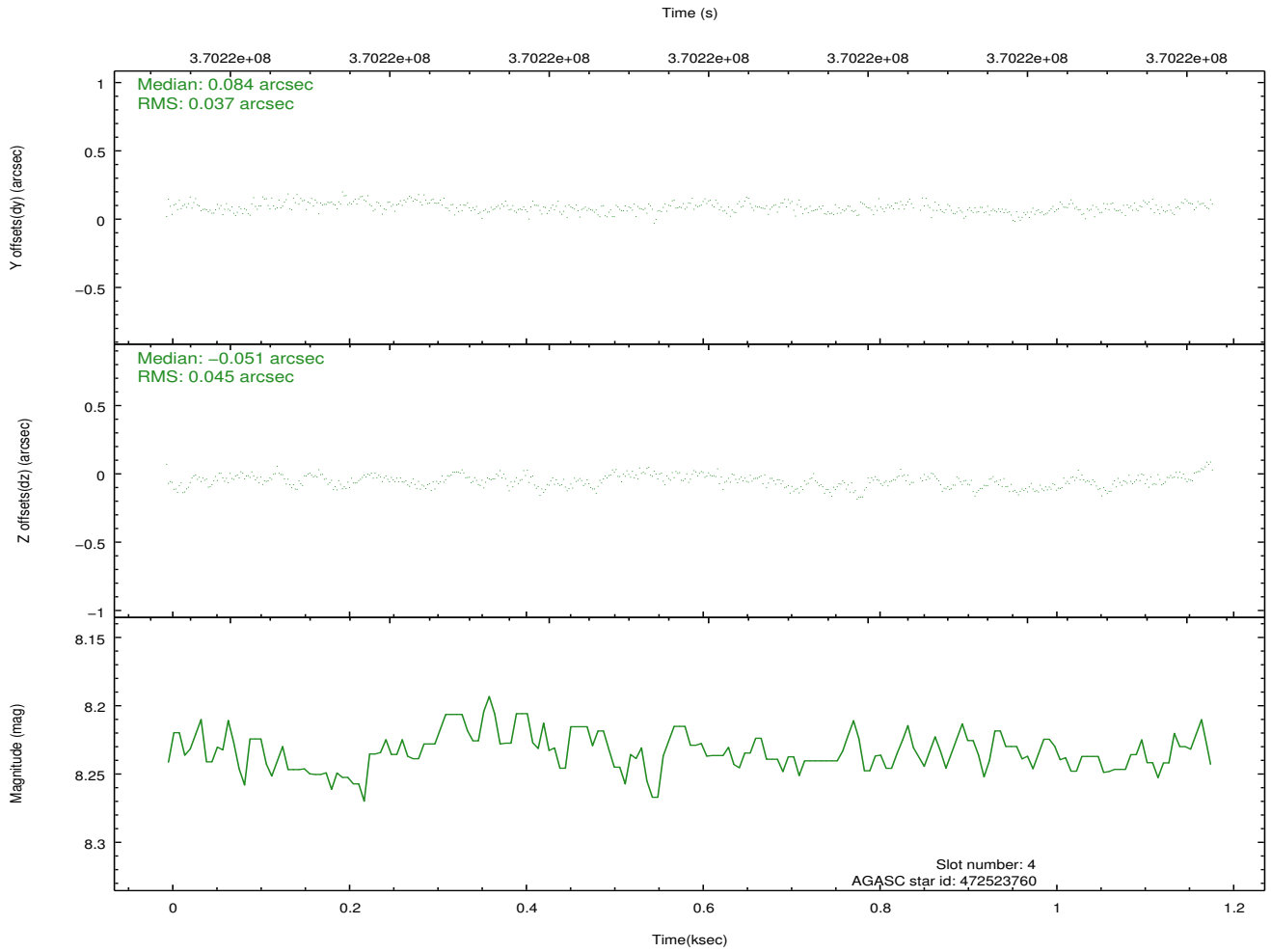
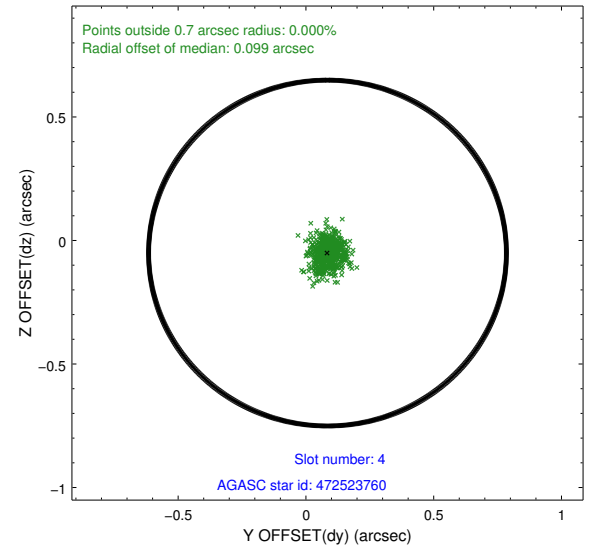
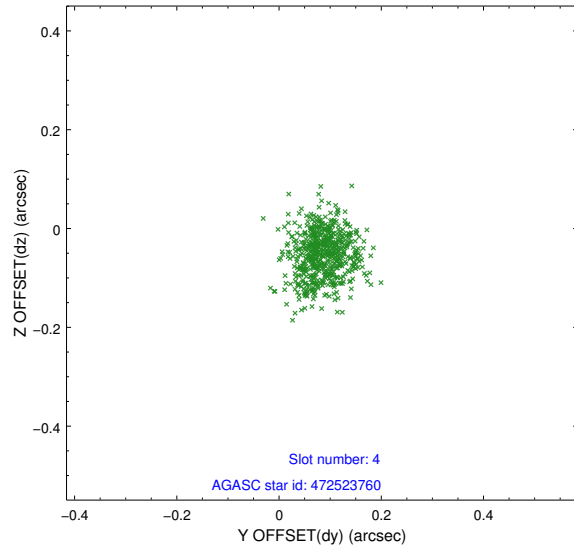


## 2.4 Star Slots

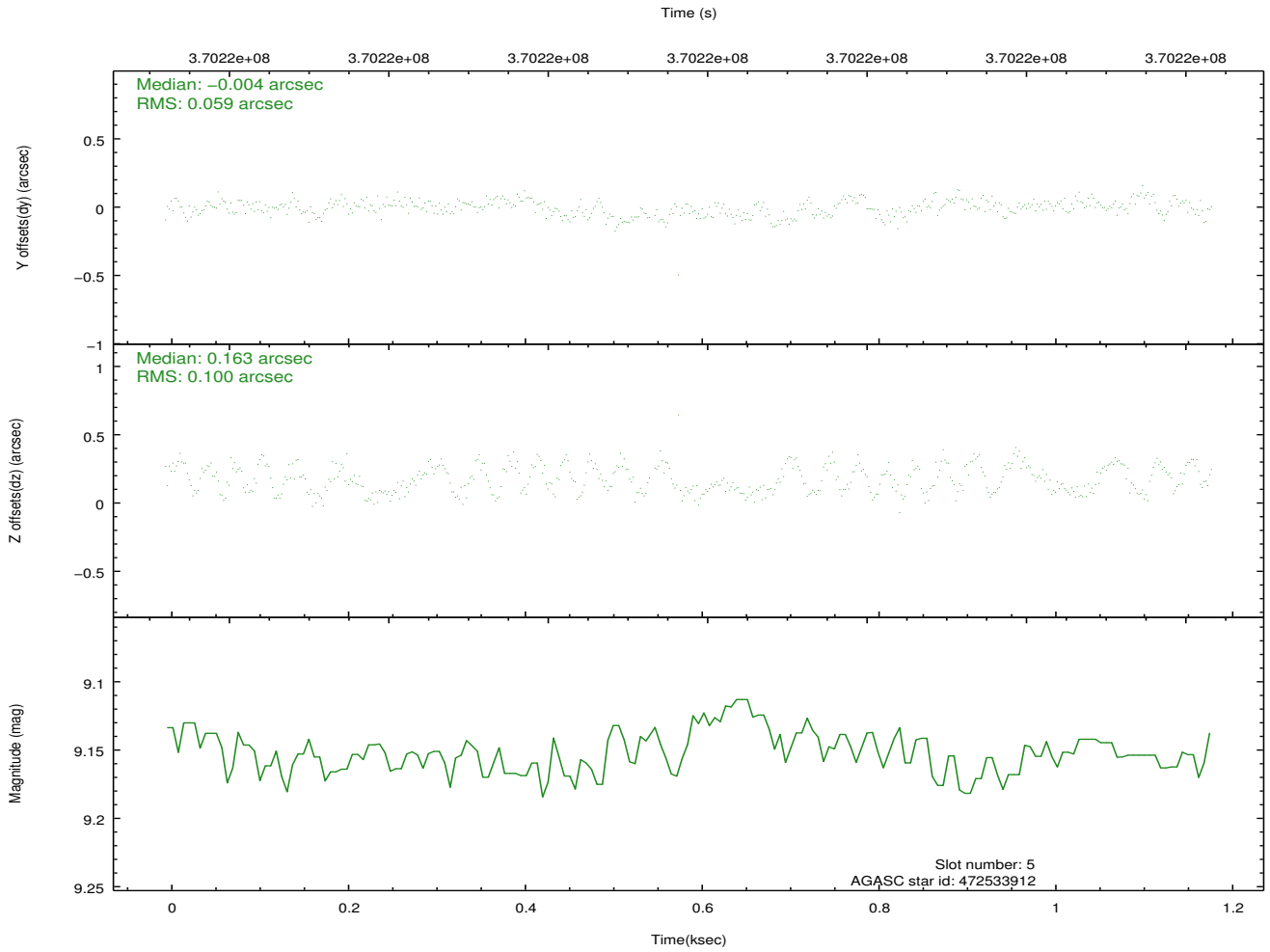
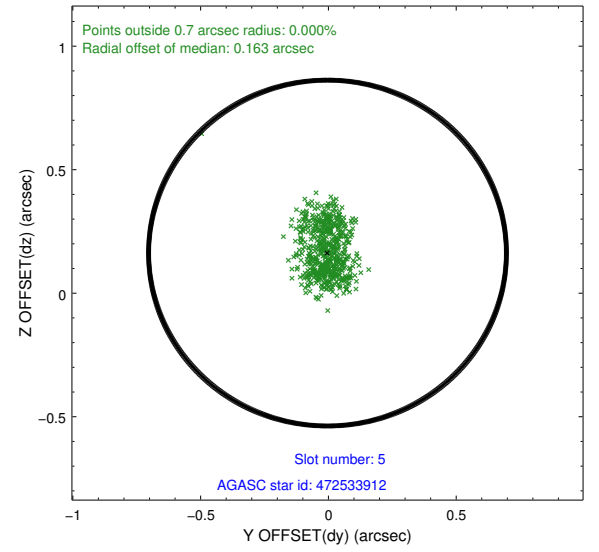
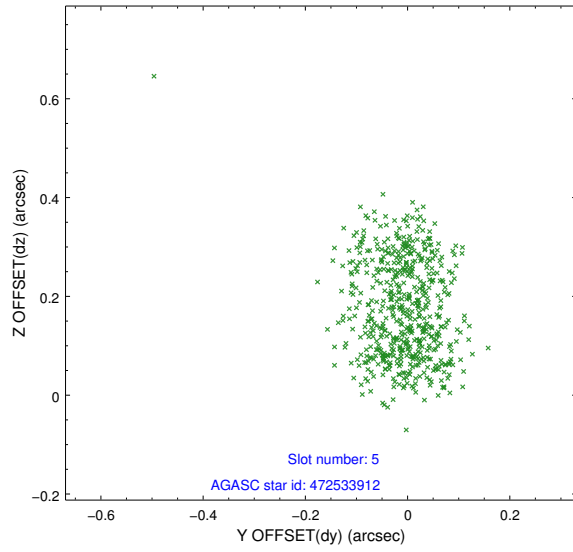
### 2.4.1 Slot 3



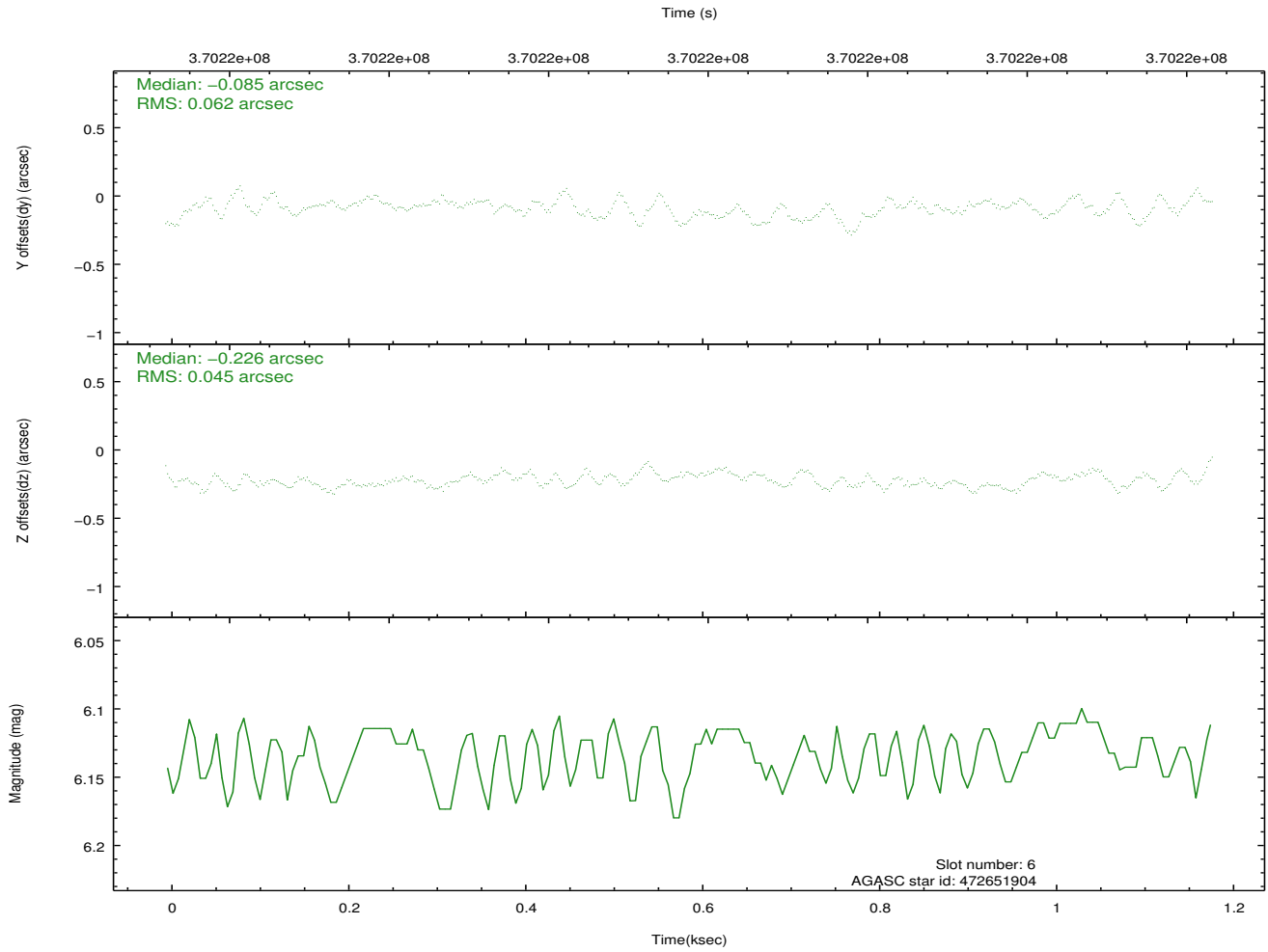
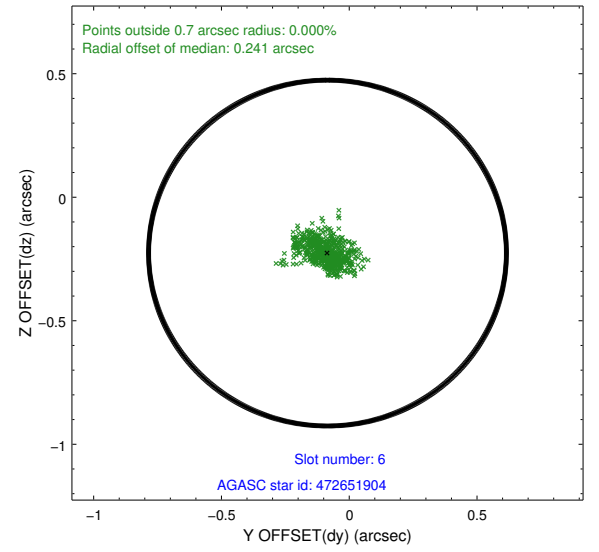
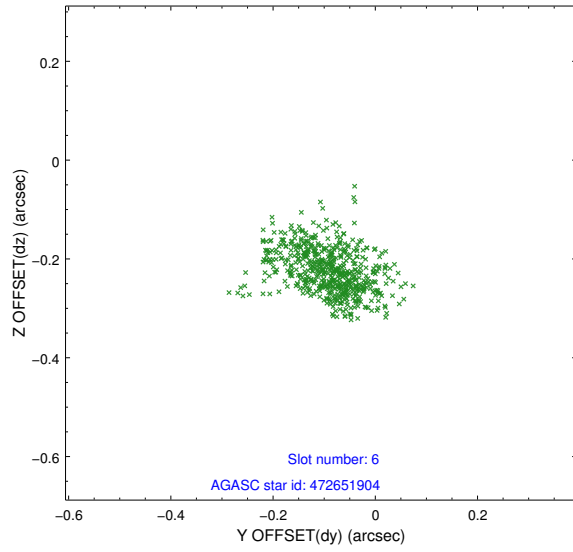
## 2.4.2 Slot 4



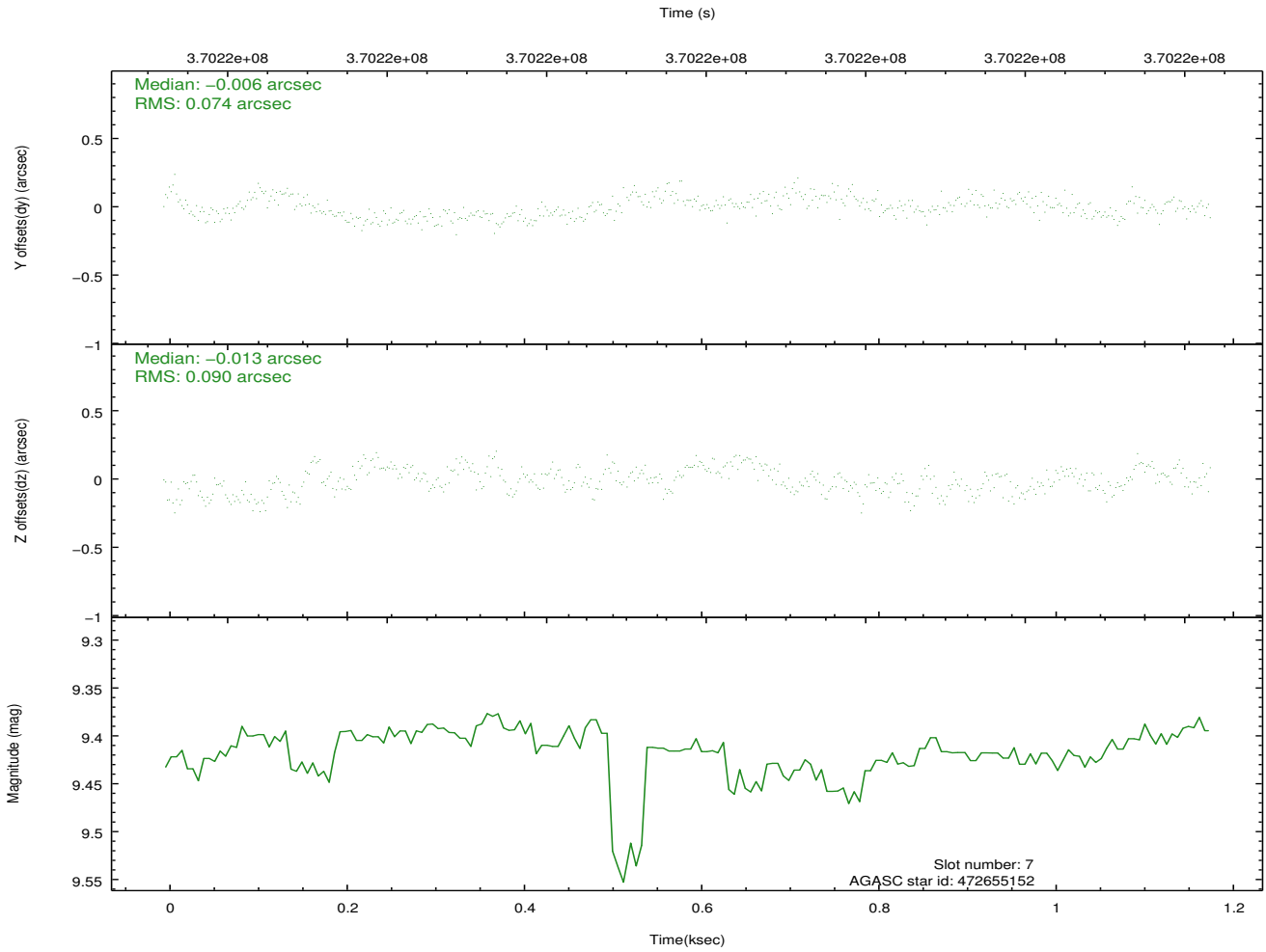
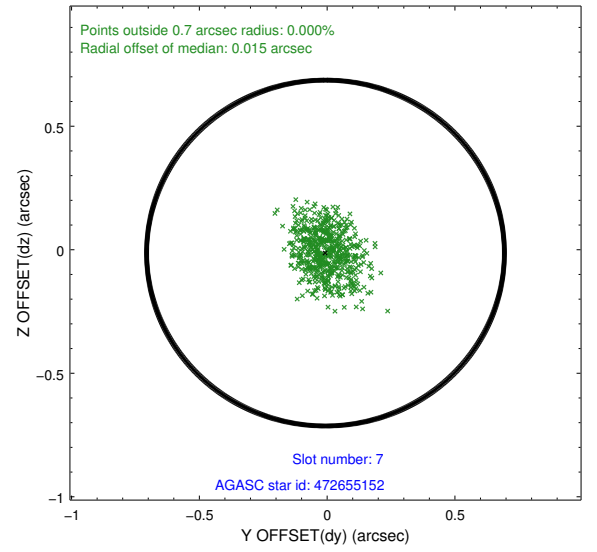
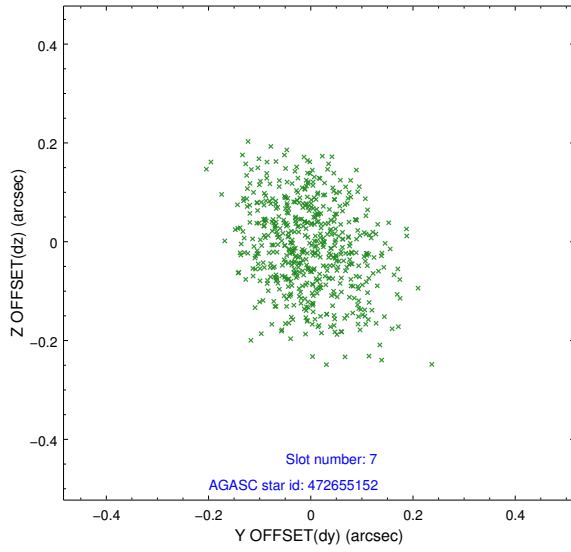
### 2.4.3 Slot 5



## 2.4.4 Slot 6

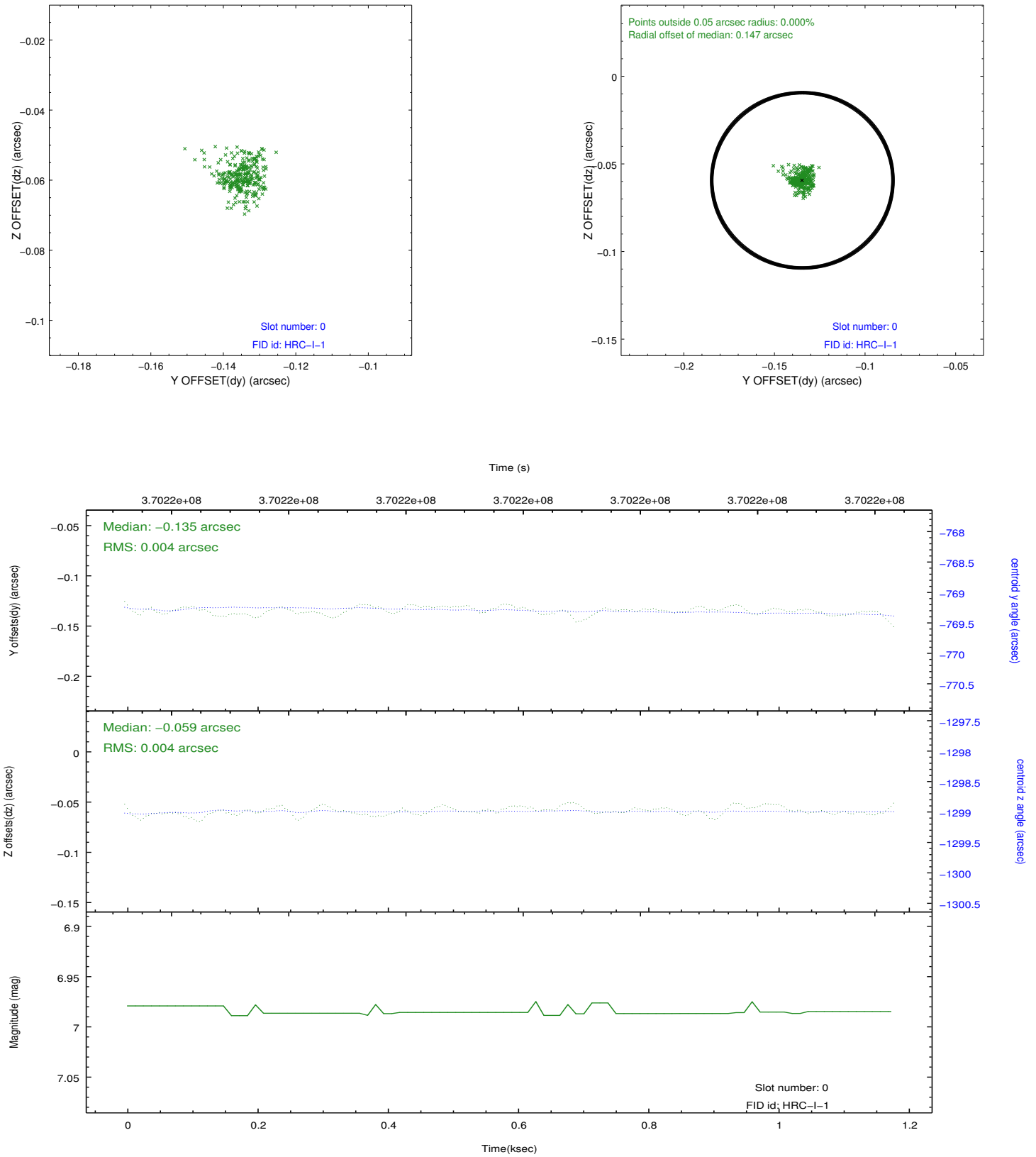


## 2.4.5 Slot 7

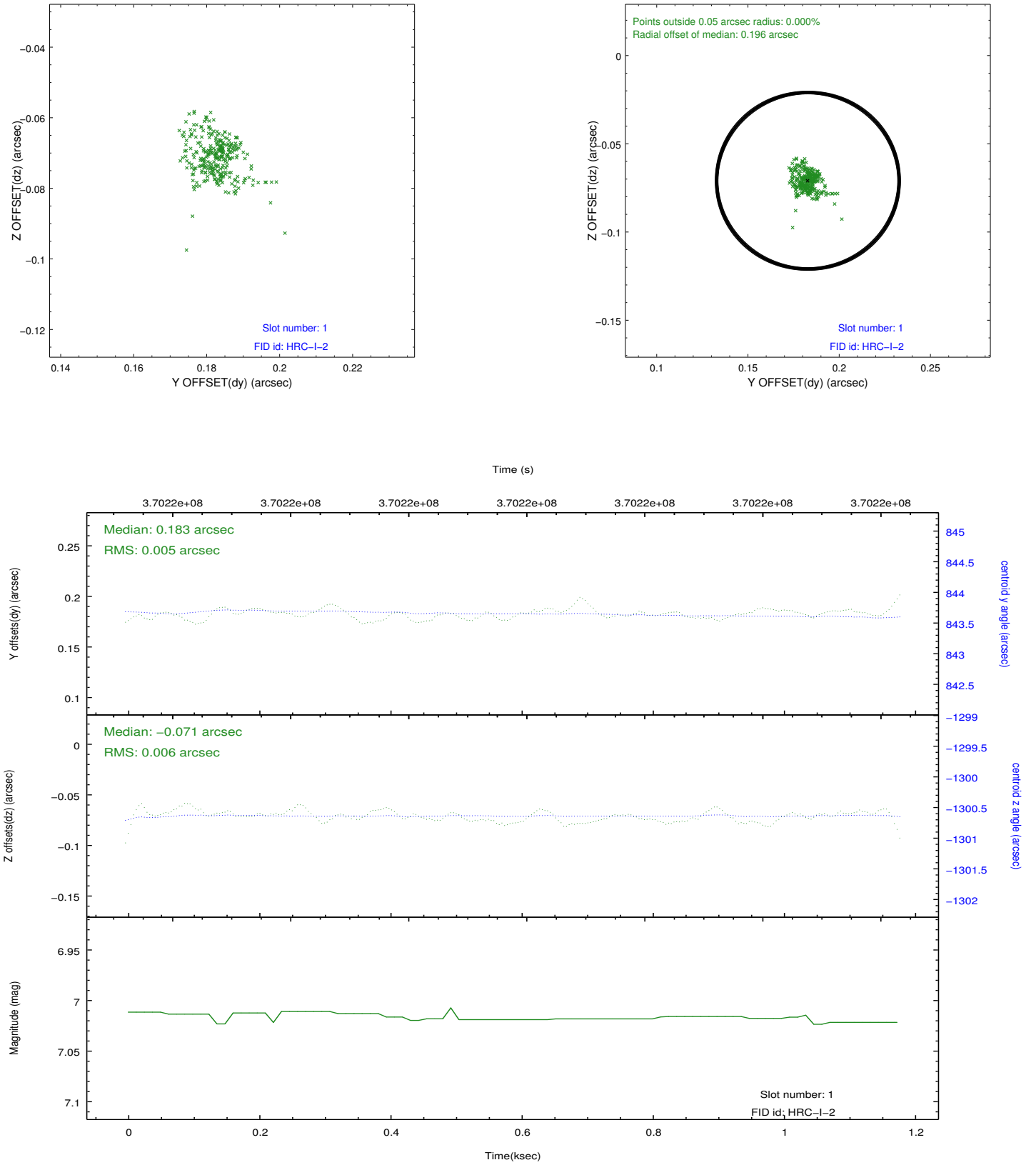


## 2.5 FID Slots

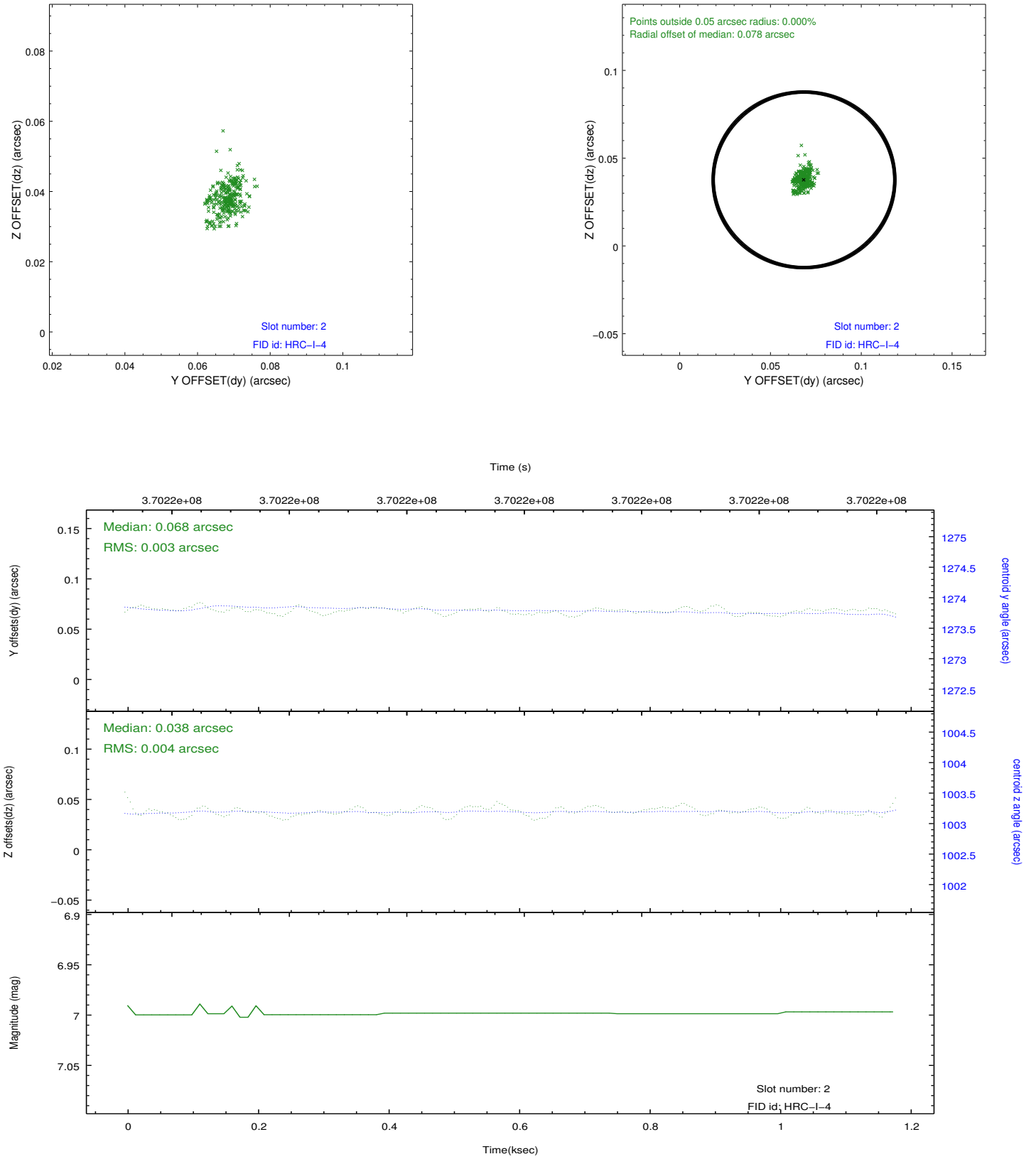
### 2.5.1 Slot 0



## 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)	2012.08.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1818250593543

### A.2 Comments