

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10673 - L2 Version 3  
Chandra X-Ray Center

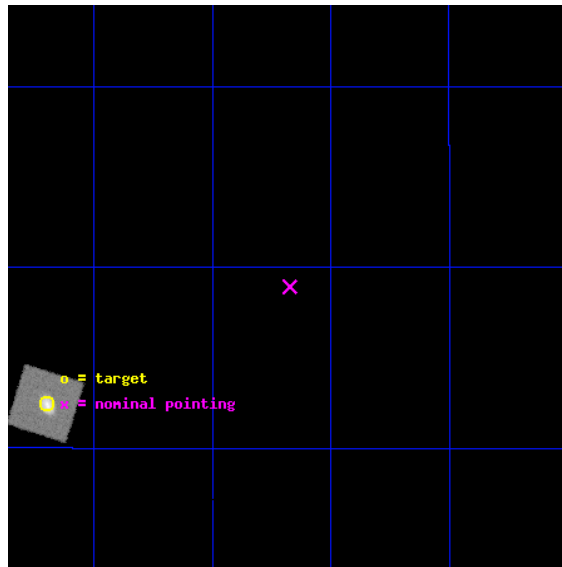
L2 Processing Date : Aug 13 2012

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# 1 Front

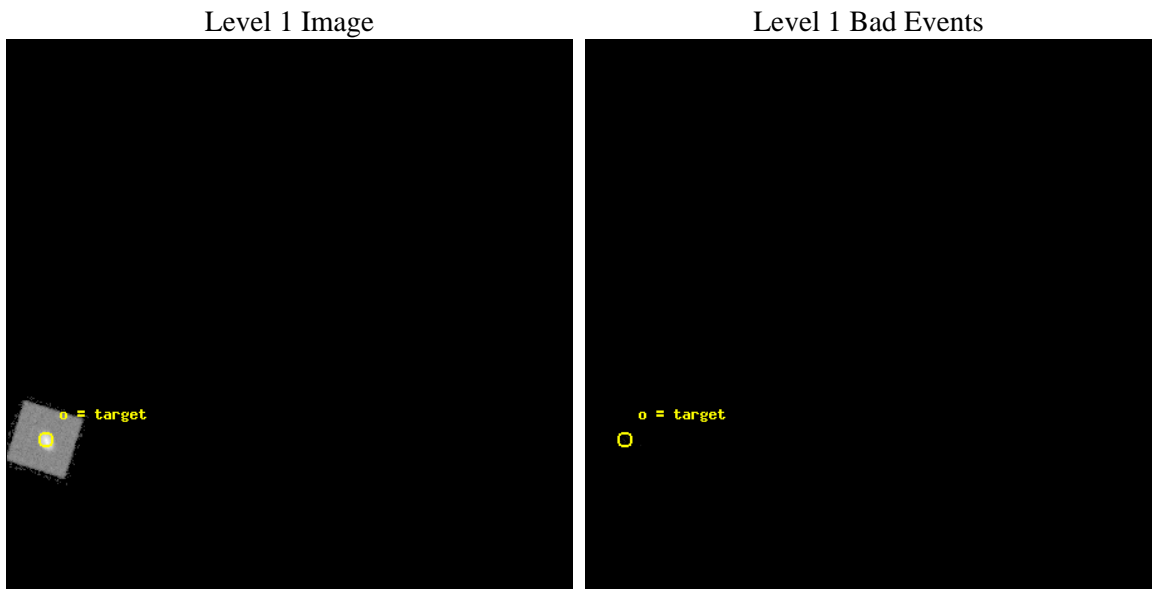
seq_num	990013	Sequence number
obs_id	10673	Observation id
title	AO-10 Calibration Observations of the ACIS charged particle background	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	31 Com	Source name
ra_targ	192.924583	Observer's specified target RA [deg]
dec_targ	27.540722	Observer's specified target Dec [deg]
ra_nom	192.6682000447	Nominal RA [deg]
dec_nom	27.649010192008	Nominal Dec [deg]
roll_nom	242.52329544054	Nominal Roll [deg]
revision	3	Processing version of data
ontime	33882.273553252	[s]
livetime	28886.031651781	Ontime multiplied by DTCOR
l2events	66930	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	34009.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	33948.001696348	[s]
caldbver	4.5.1.1	&#160	l1events	79069	Number of level 1 events
date	2012-08-13T09:05:57	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

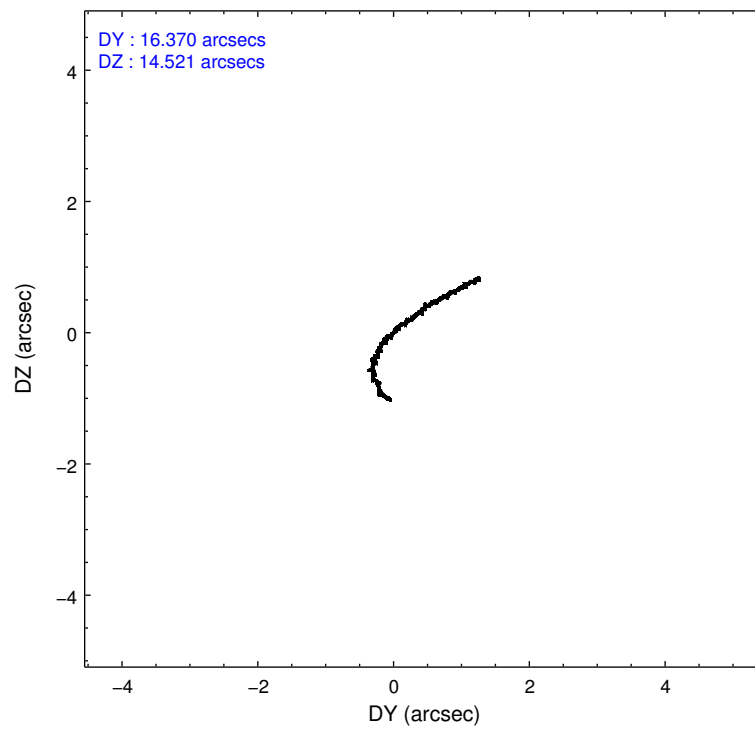
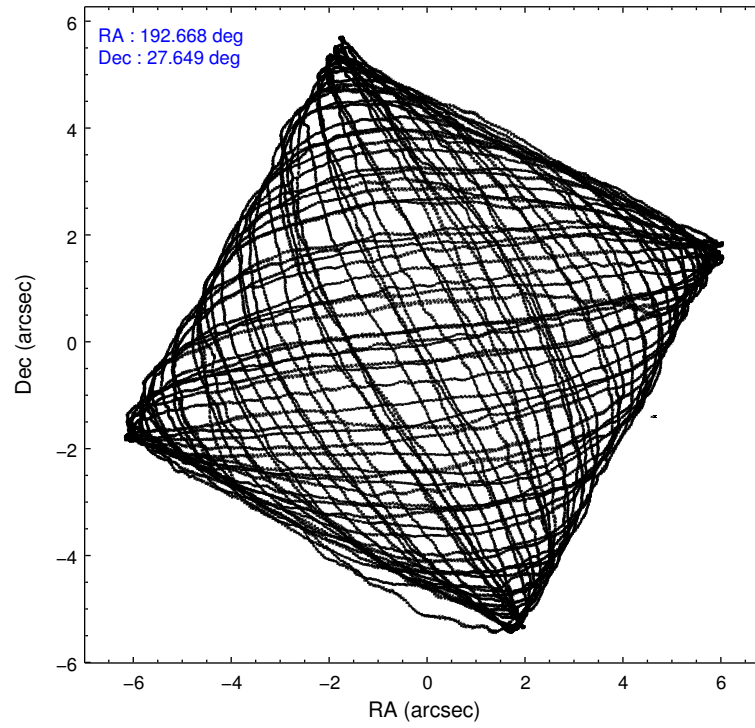
#### Level 1 Events

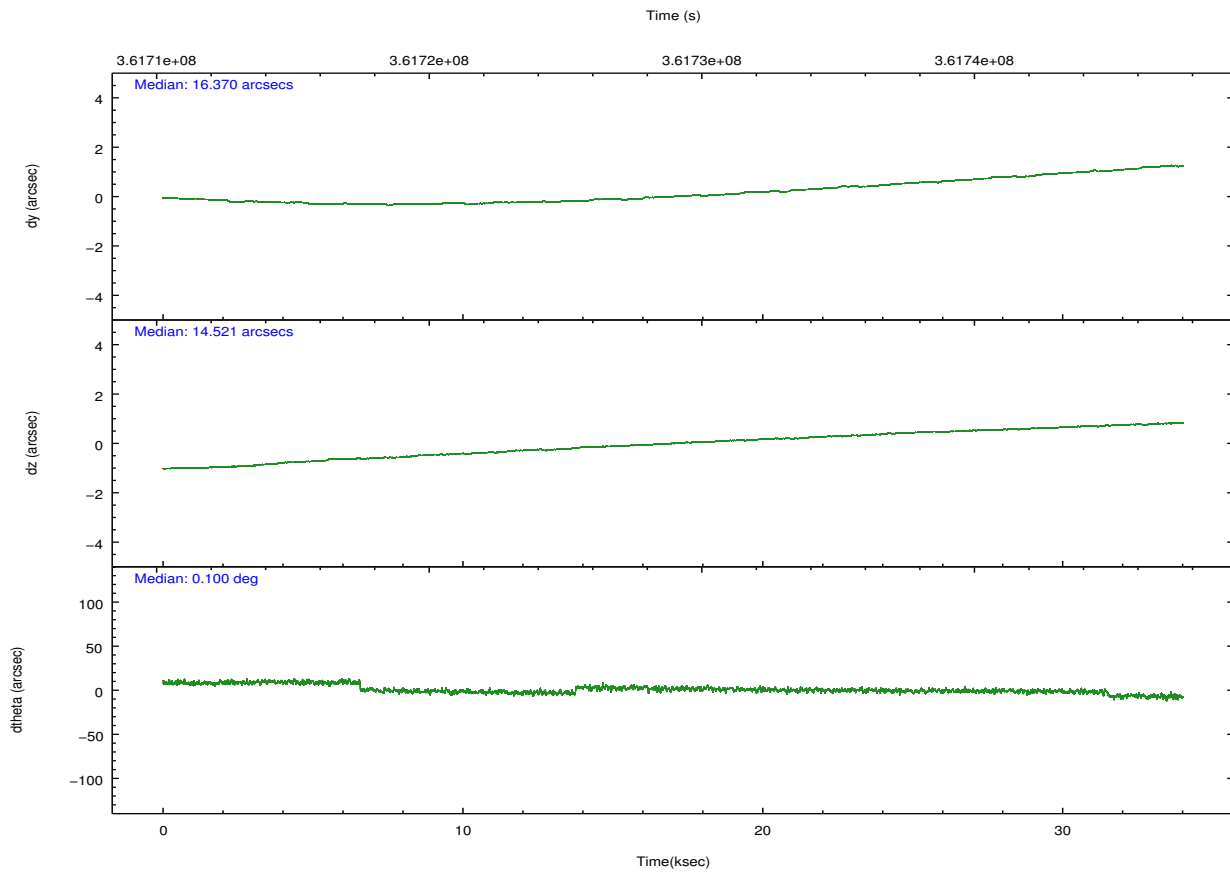
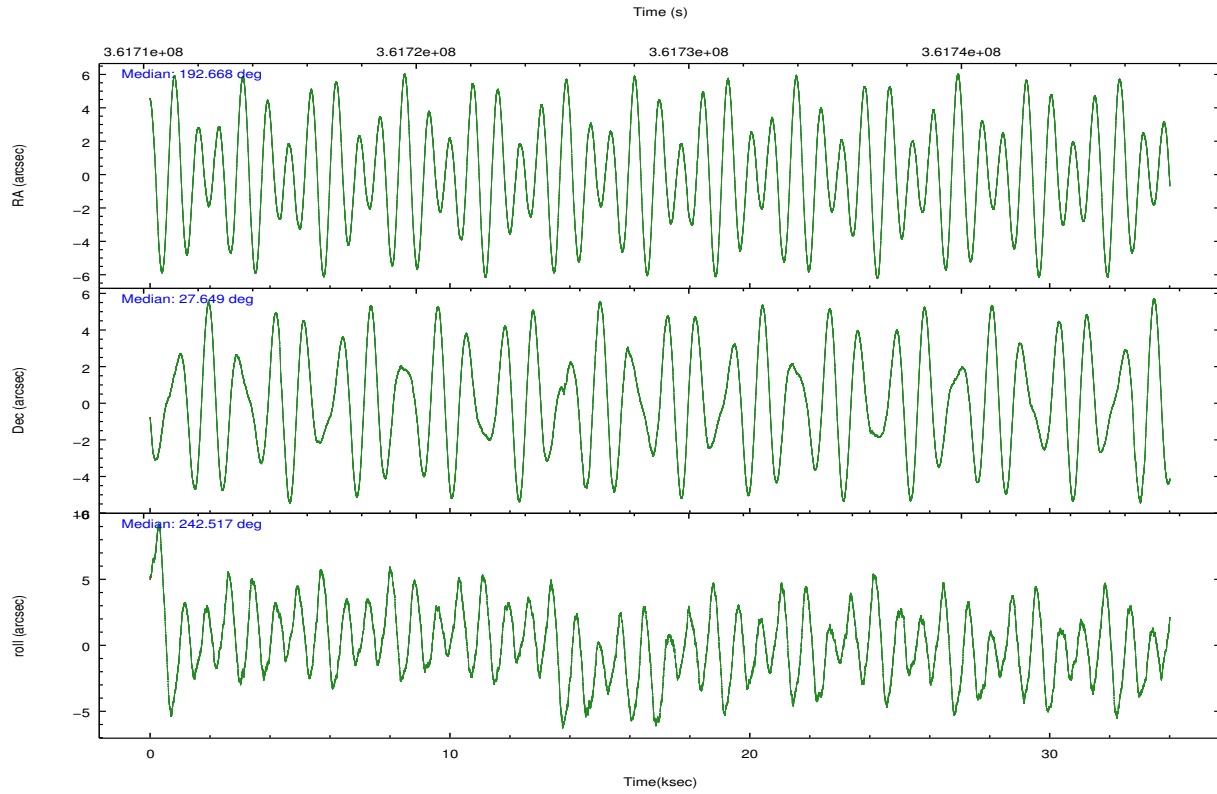
	<b>segment 0</b>
level 1 events	79069
rejected events	70
rejected %	0%

## 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	OVERRIDE	OVERRIDE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	192.666132	192.6682000446994			
[deg] Pointing Dec	27.676159	27.64901019200799			
[deg] Pointing Roll	242.619738	242.5232954405384			
[s] Window start time (MET)	357523266.184000	357523266.184000			
[s] Window stop time (MET)	365385666.184000	365385666.184000			
[mm] SIM focus pos	-1.0388663562	-1.0388663562			
[mm] SIM defocus	0.00142623215544524	0.00142623215544524			
[mm] SIM translation stage pos	51.99855475156236	51.99855475156236			
[mm] SIM translation stage offset	74.98693955372545	74.98693955372545			
[s] Observation start time (MET)	361711938.184000	361711938.184			
Observation start date	2009-06-18T11:31:12	2009-06-18T11:32:18			
[s] Observation end time (MET)	361745947.184000	361745947.184			
Observation end date	2009-06-18T20:58:01	2009-06-18T20:59:07			

## 2.3 Aspect



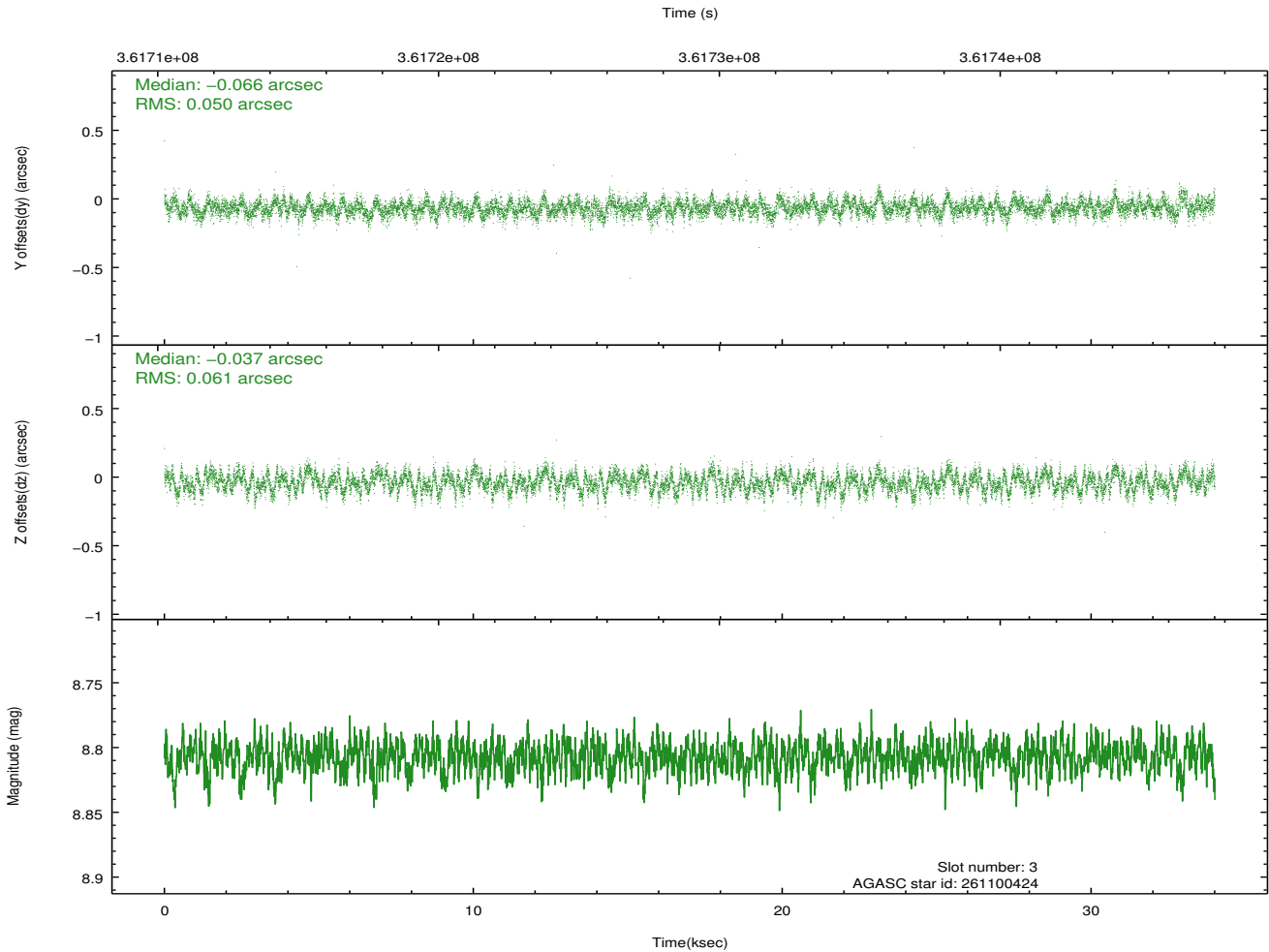
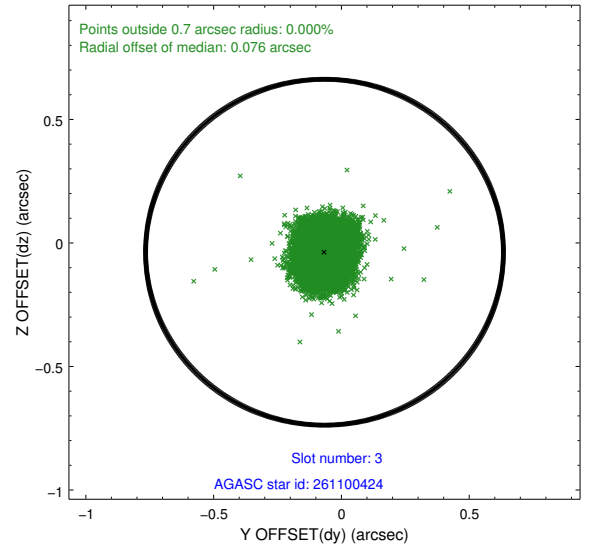
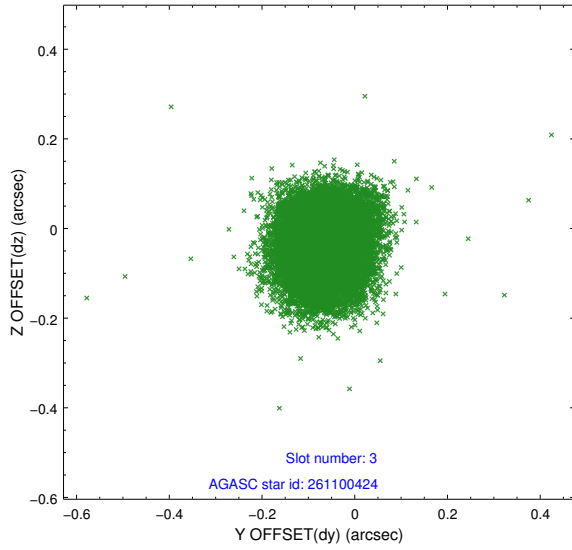


### Slot Statistics

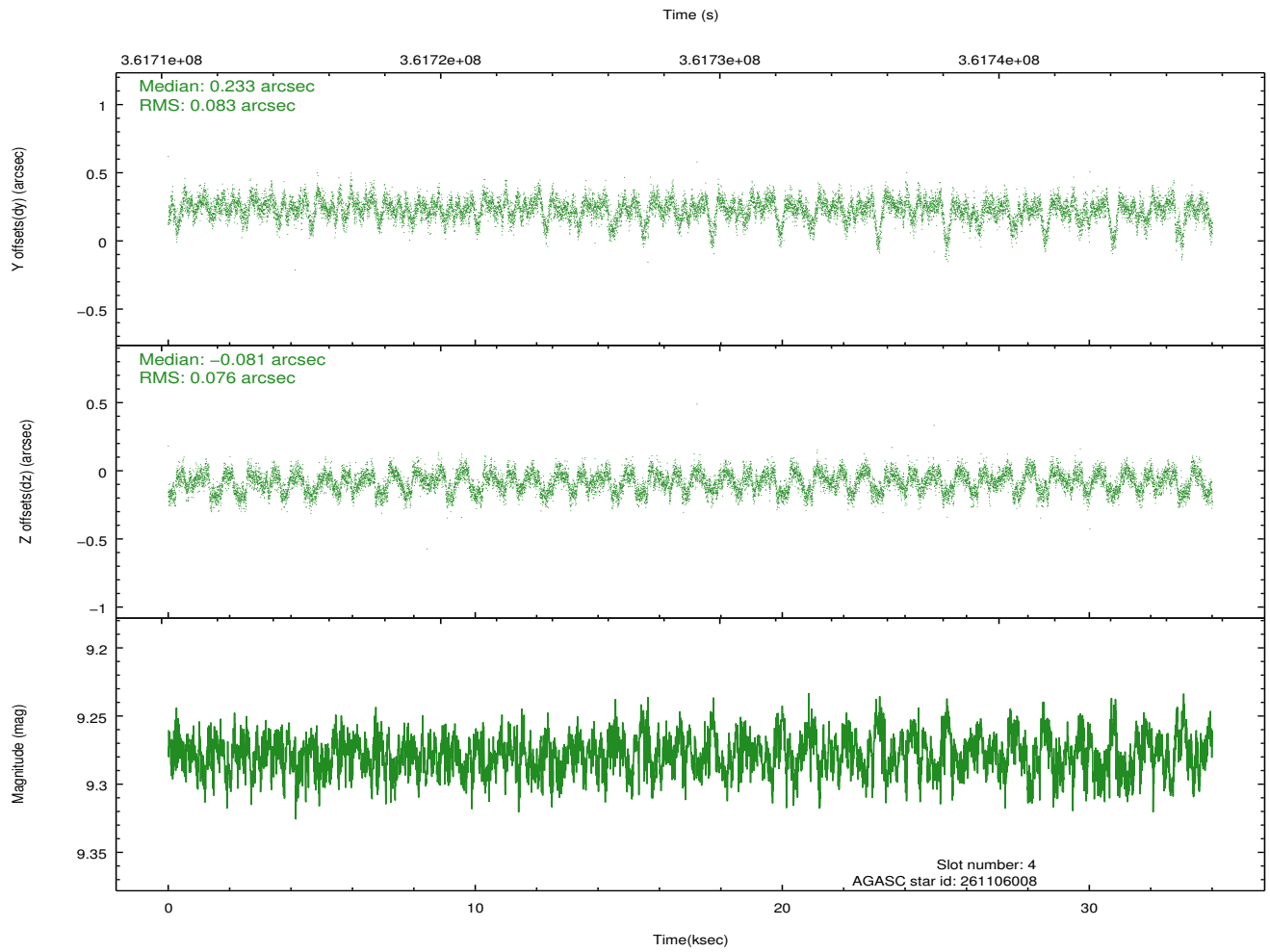
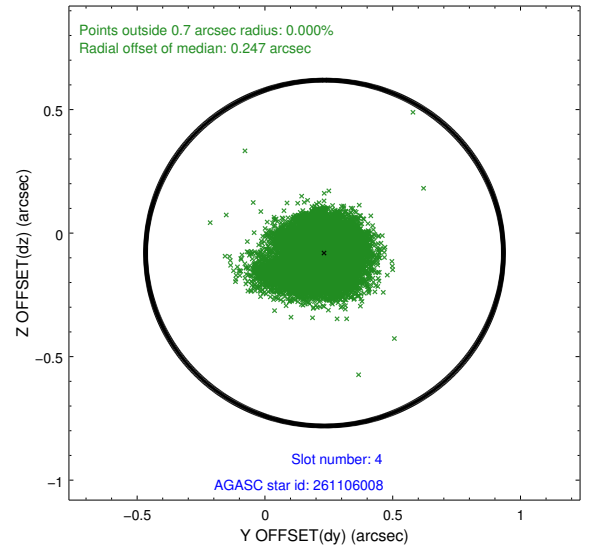
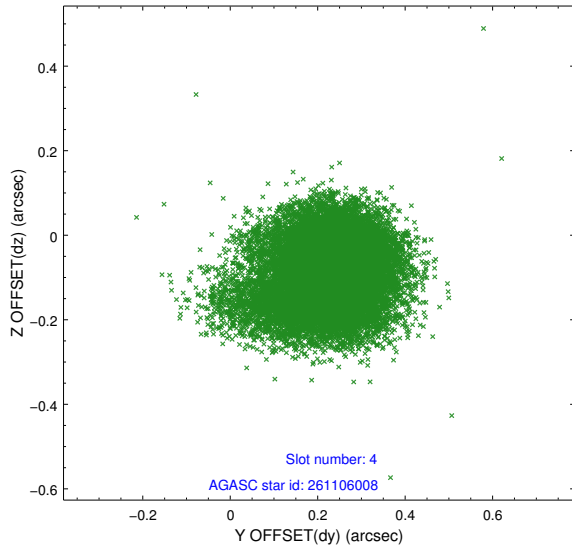
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.91	8295	-0.690	-0.029	0.011	0.026	0.000000	0.000000	-771.15	235.27
1	FID	HRC-I-2	7.04	8294	0.769	-0.025	0.011	0.026	0.000000	0.000000	839.76	236.30
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	261100424	8.81	16576	-0.066	-0.037	0.084	0.135	192.107071	27.783953	471.43	-1761.47
4	GUIDE	261106008	9.28	16572	0.233	-0.081	0.116	0.196	191.902860	27.409319	1969.44	-1727.87
5	GUIDE	261113144	6.23	16589	0.001	0.048	0.068	0.123	192.322716	27.552380	899.35	-769.64
6	GUIDE	261507256	8.36	16586	-0.243	-0.166	0.063	0.099	193.022402	28.129301	-1969.88	253.49
7	GUIDE	261508968	9.10	16571	0.086	0.244	0.095	0.145	192.822711	28.349629	-2380.77	-674.39

## 2.4 Star Slots

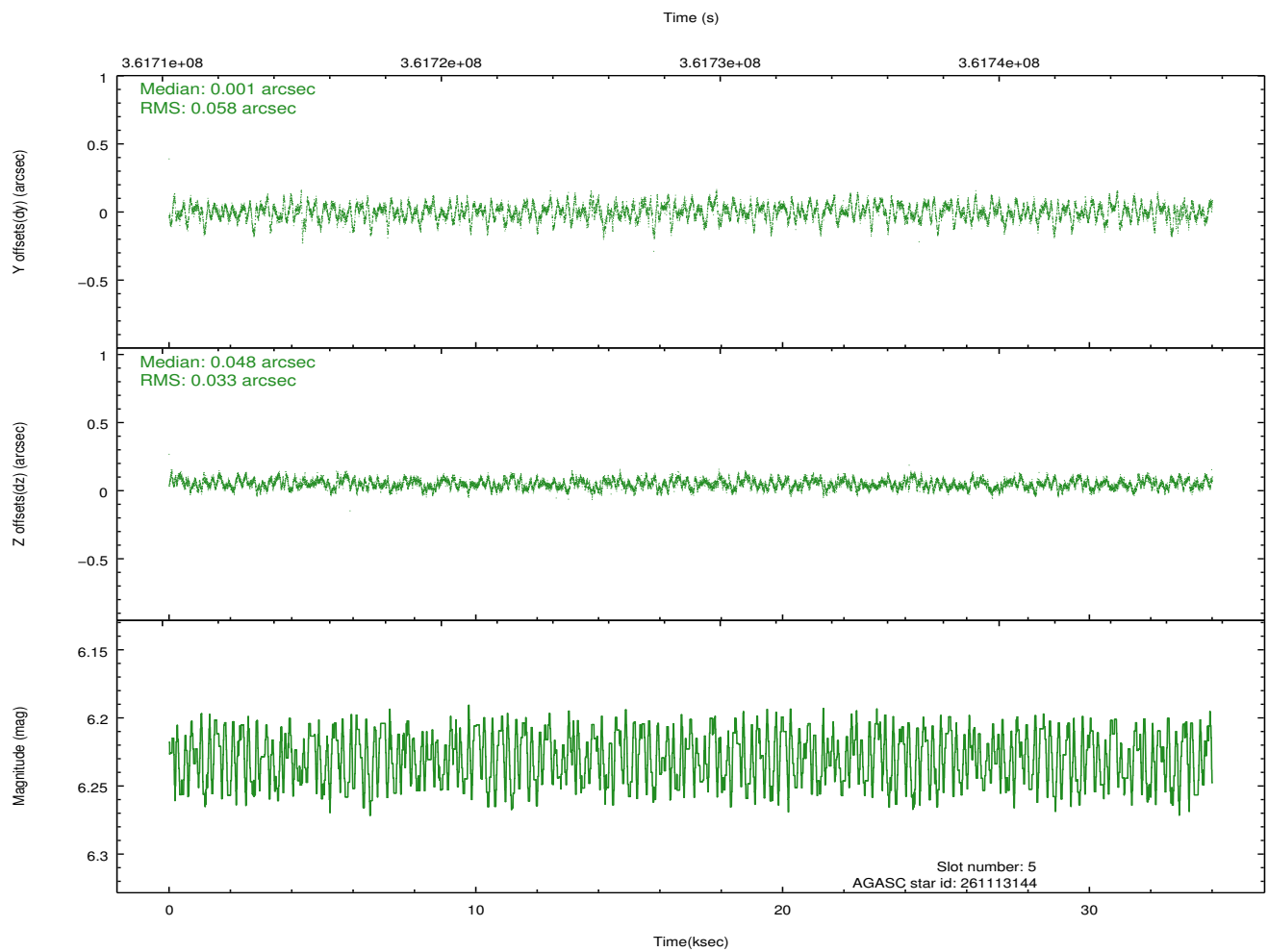
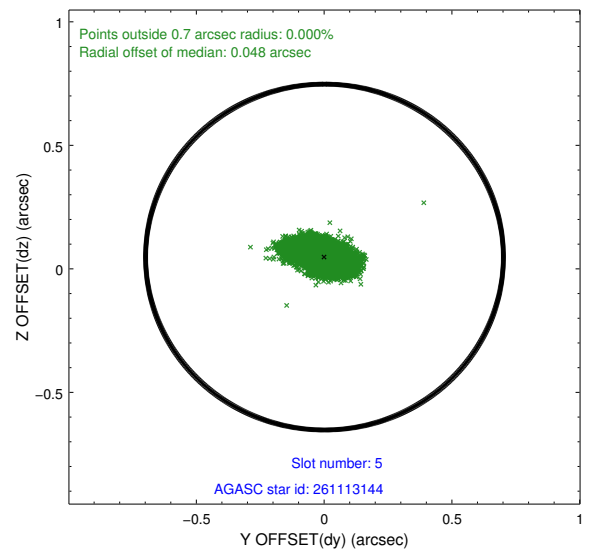
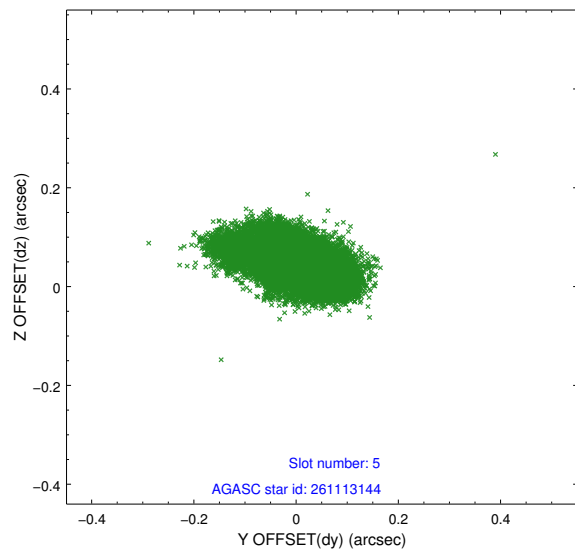
### 2.4.1 Slot 3



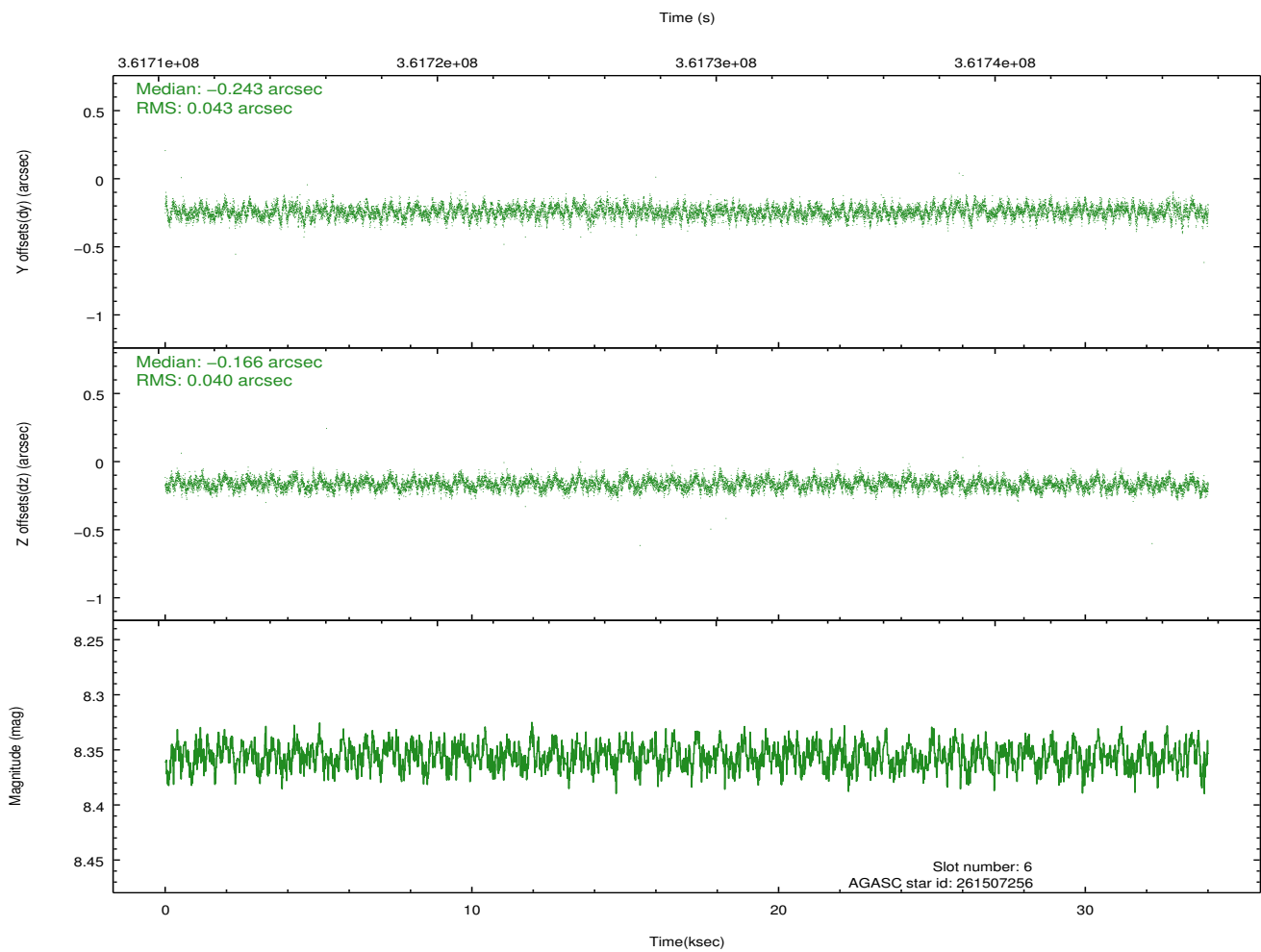
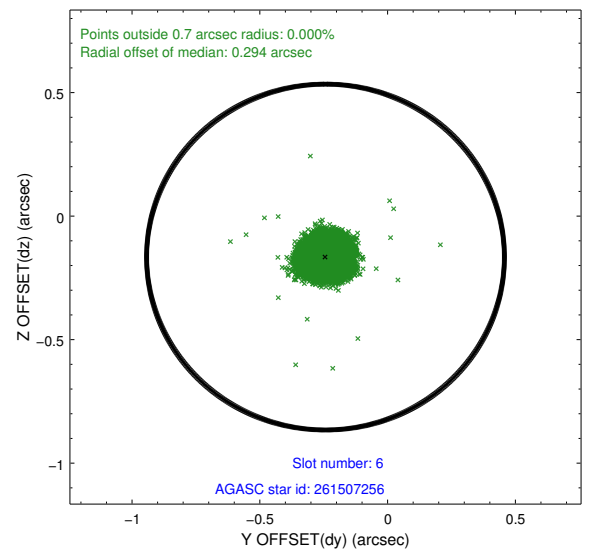
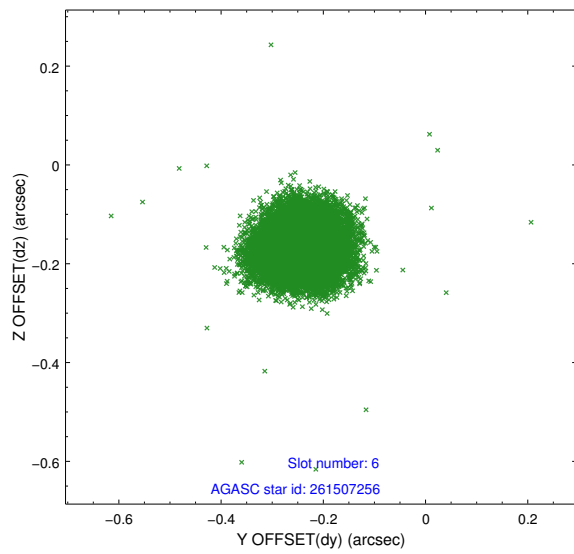
## 2.4.2 Slot 4



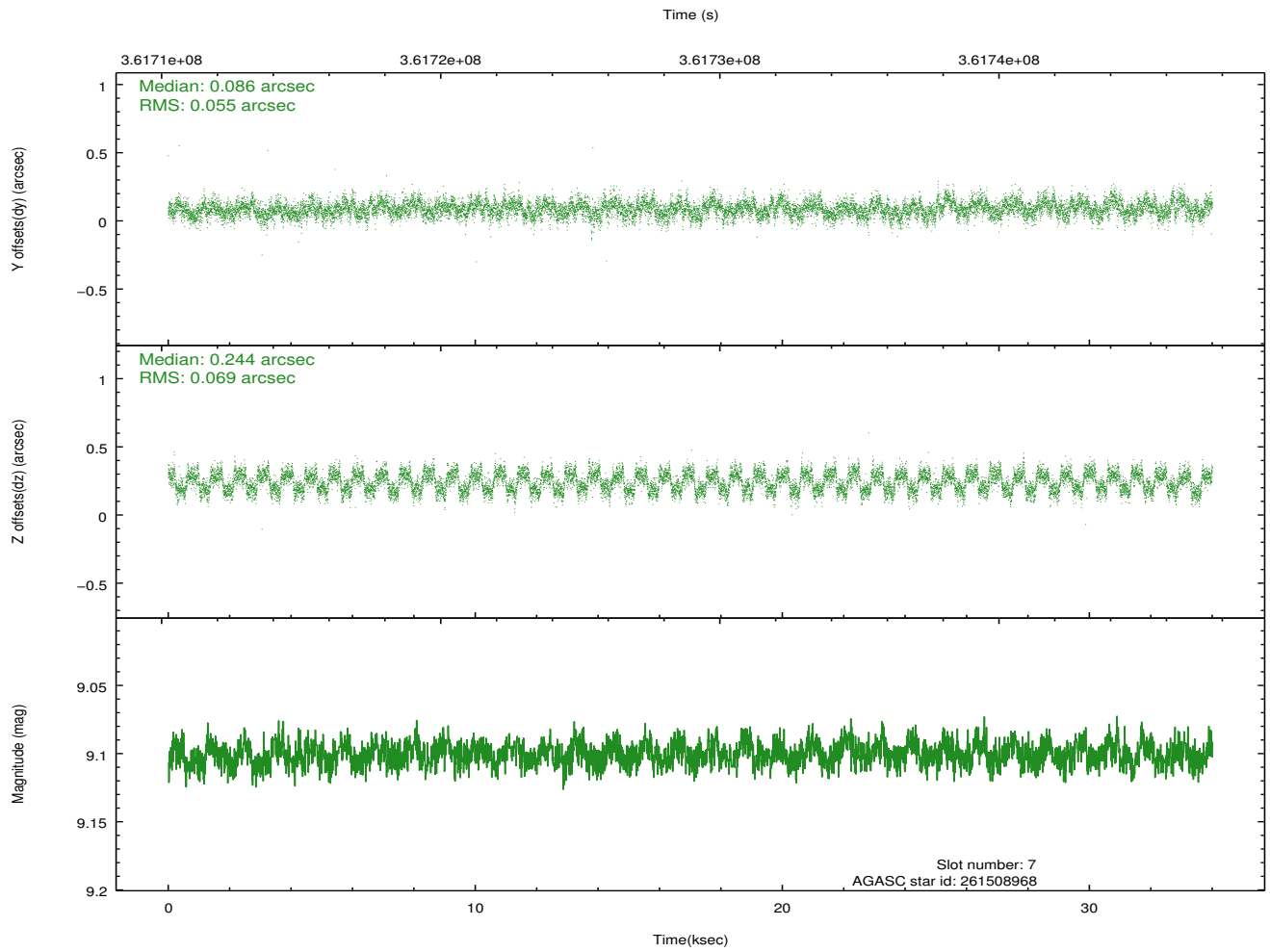
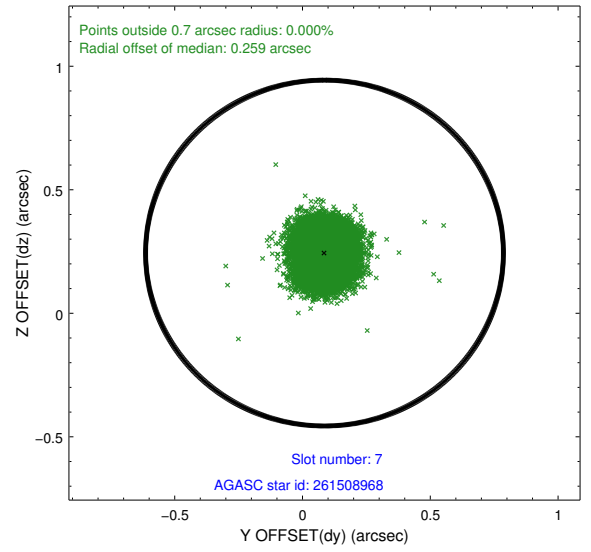
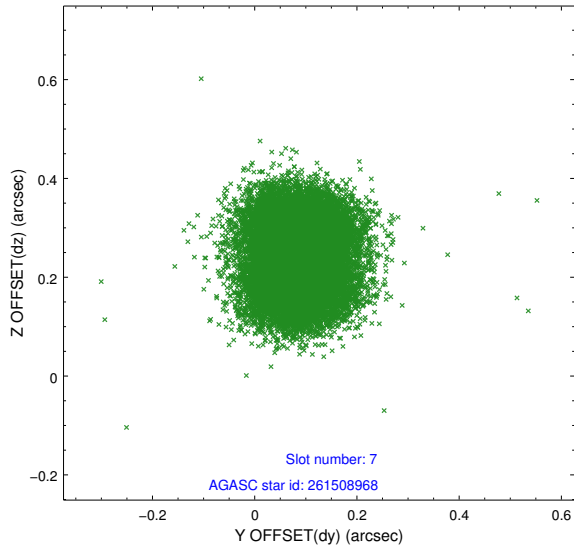
### 2.4.3 Slot 5



## 2.4.4 Slot 6

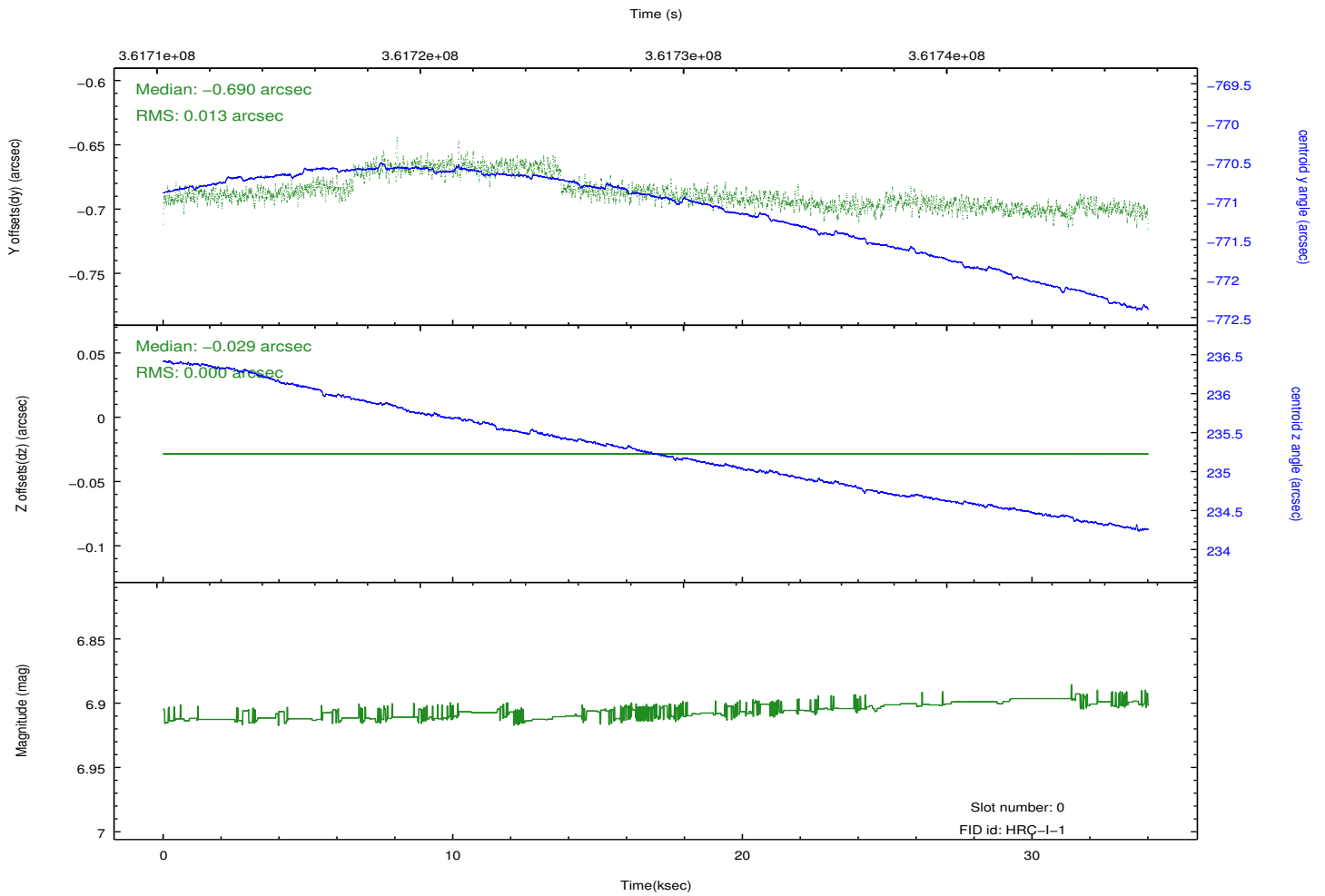
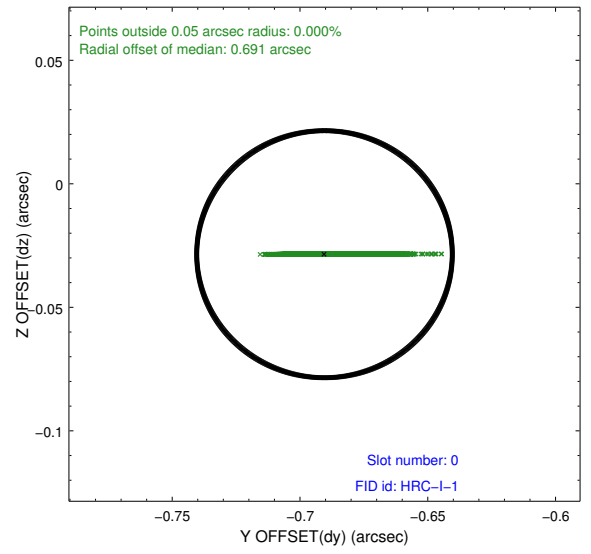
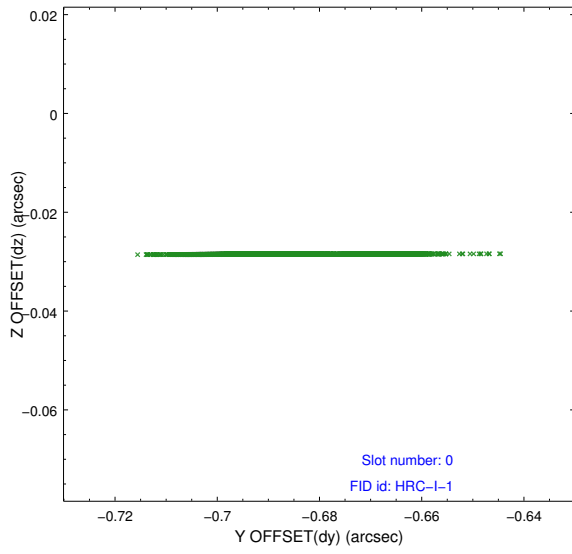


### 2.4.5 Slot 7

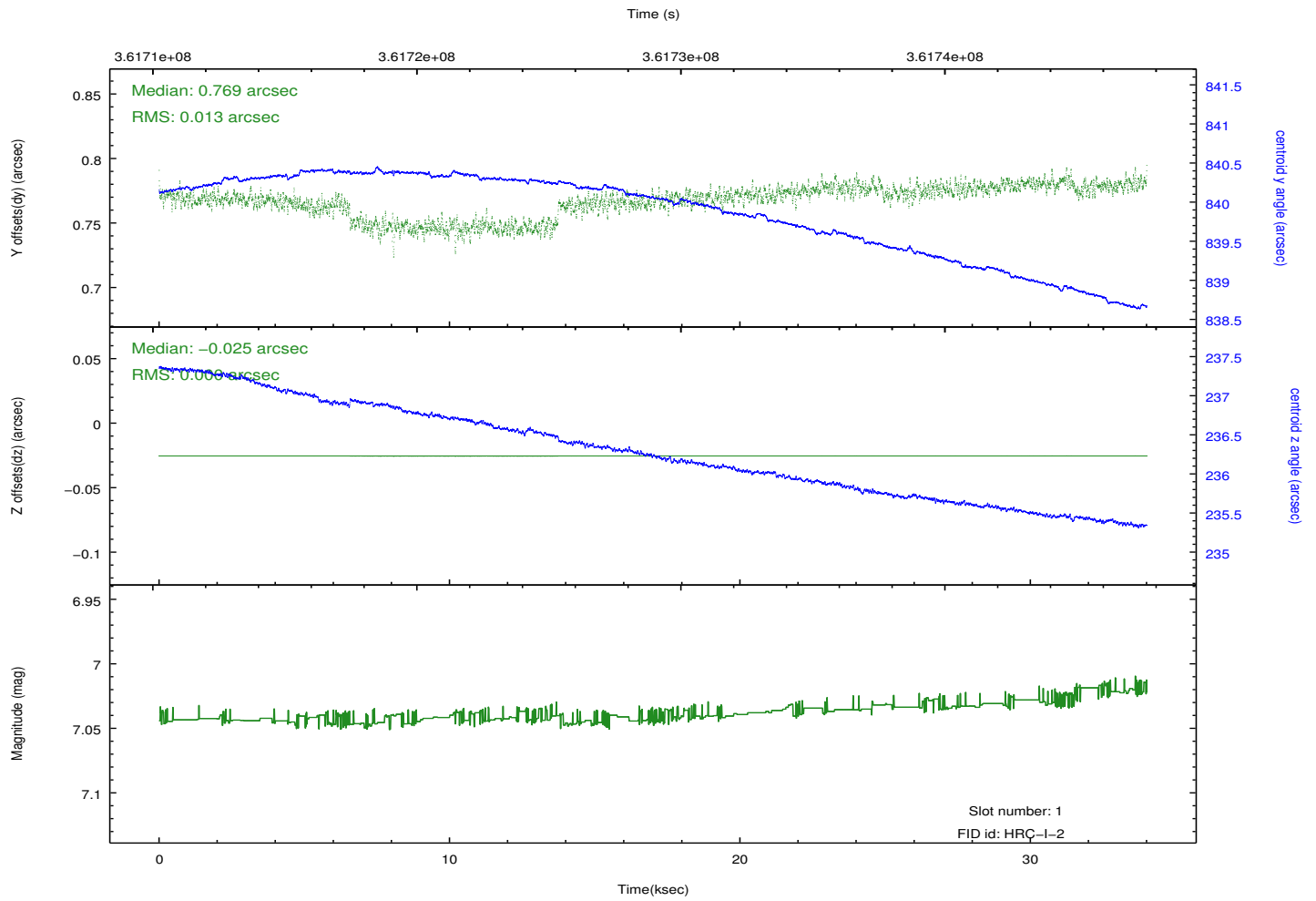
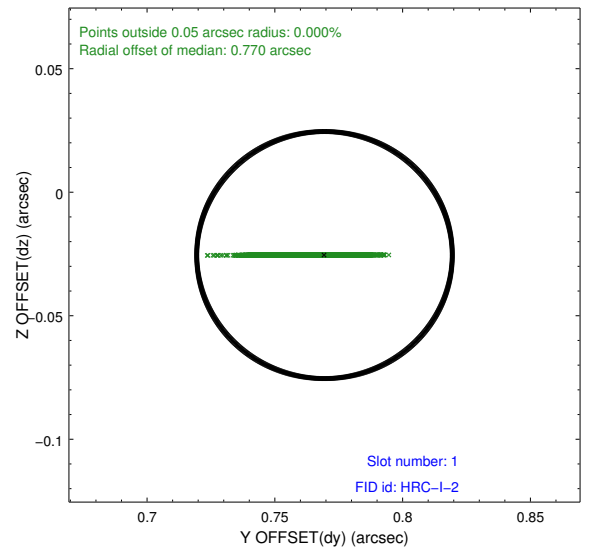
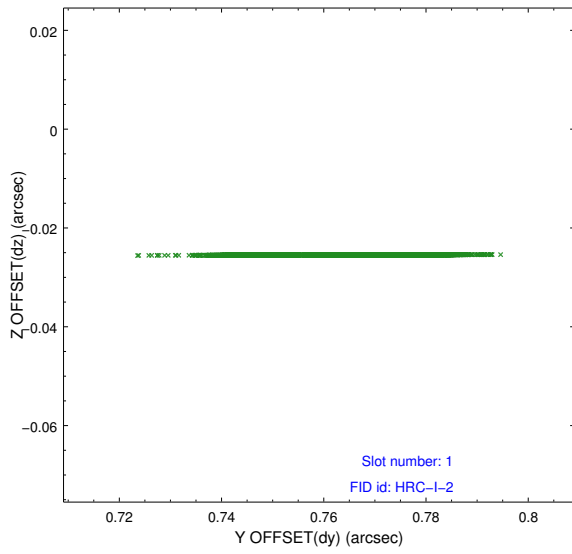


## 2.5 FID Slots

### 2.5.1 Slot 0



## 2.5.2 Slot 1



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.8813766

## A.2 Comments

This observation was performed with a large SIM offset. As a result, the fid light positions are offset beyond normally expected ranges. Slot 2 was not utilized during this observation. Window constraint met.