

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9030 - L2 Version 3  
Chandra X-Ray Center

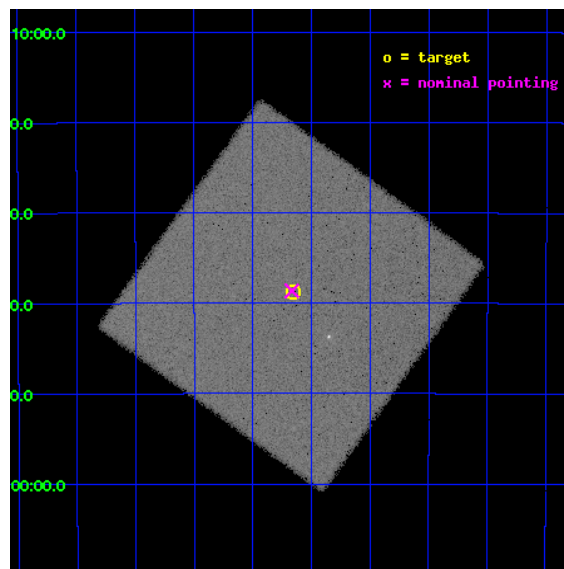
L2 Processing Date : Aug 12 2012

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# 1 Front

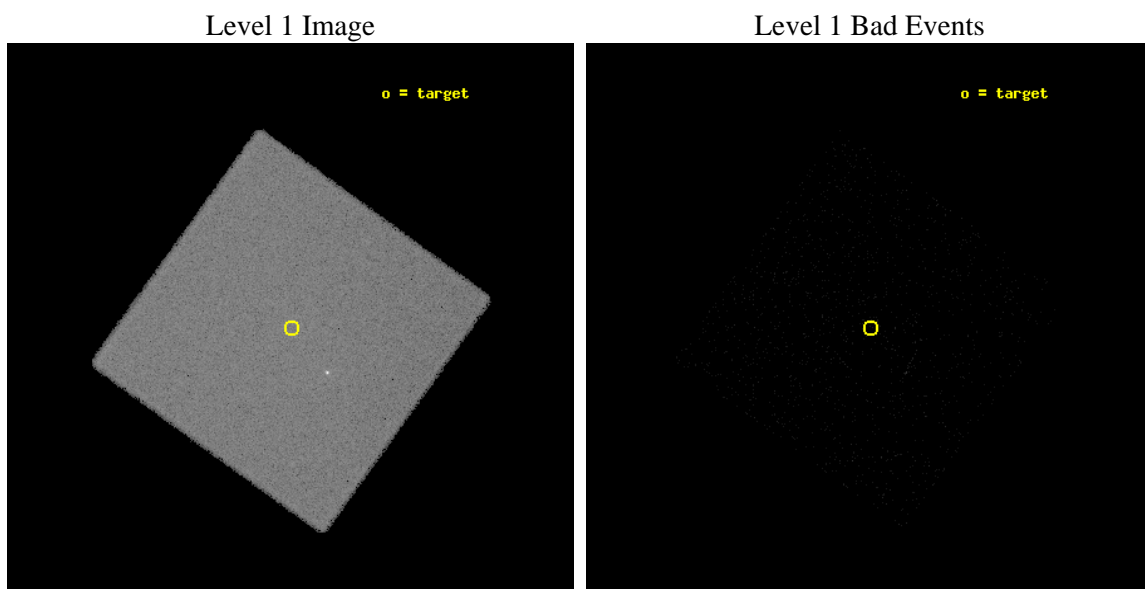
seq_num	400881	Sequence number
obs_id	9030	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Dr. Rudy Wijnands	Principal investigator
object	GC-1	Source name
ra_targ	266.664167	Observer's specified target RA [deg]
dec_targ	-28.647167	Observer's specified target Dec [deg]
ra_nom	266.66675962438	Nominal RA [deg]
dec_nom	-28.643796814051	Nominal Dec [deg]
roll_nom	80.905759929983	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5179.3252524137	[s]
livetime	5125.683286106	Ontime multiplied by DTCOR
l2events	321326	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5179.3252524137	[s]
caldbver	4.5.1.1	&#160	l1events	497524	Number of level 1 events
date	2012-08-12T12:34:32	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

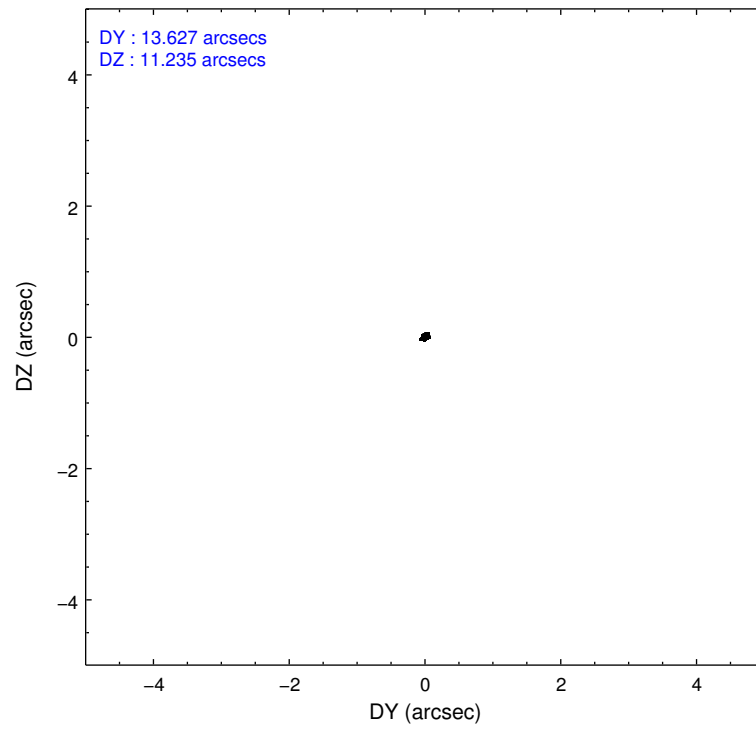
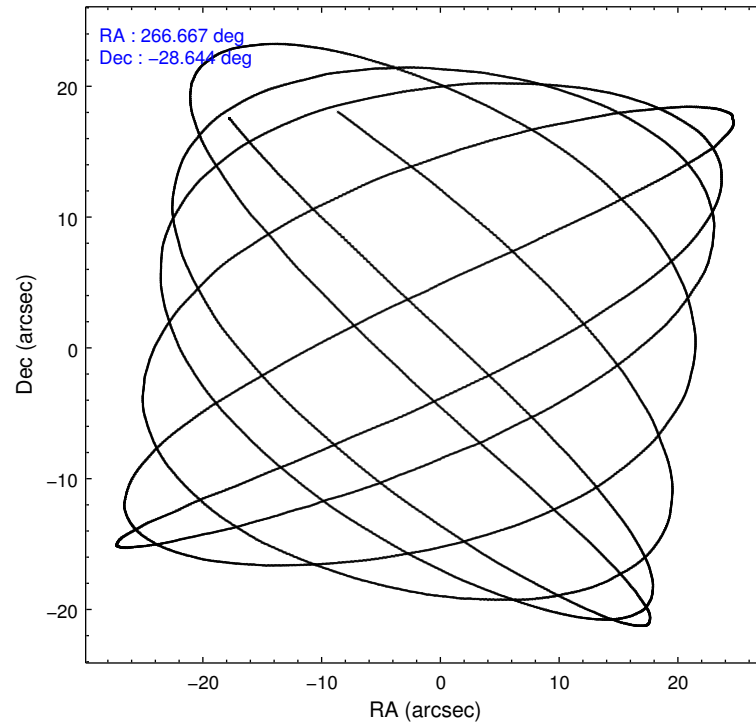
	<b>segment 0</b>
level 1 events	497524
rejected events	26665
rejected %	5%

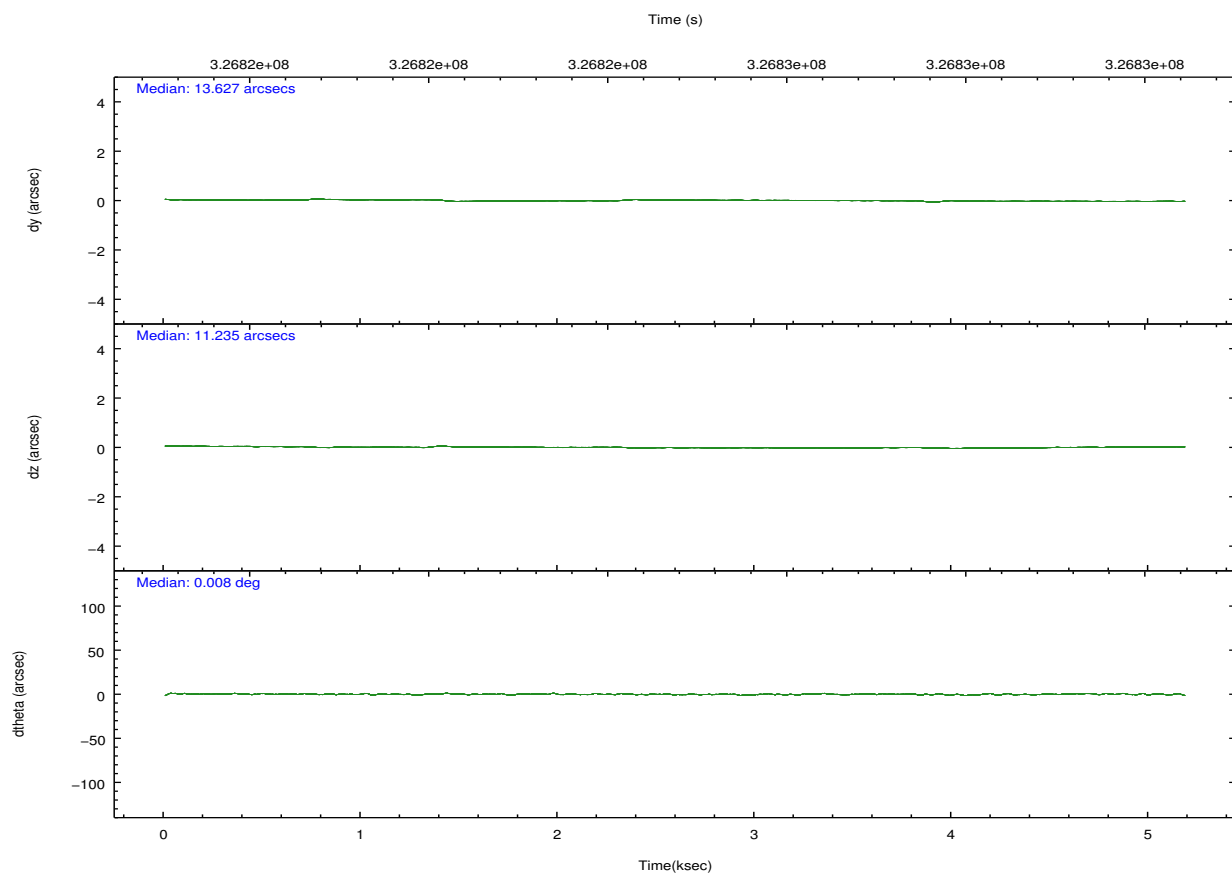
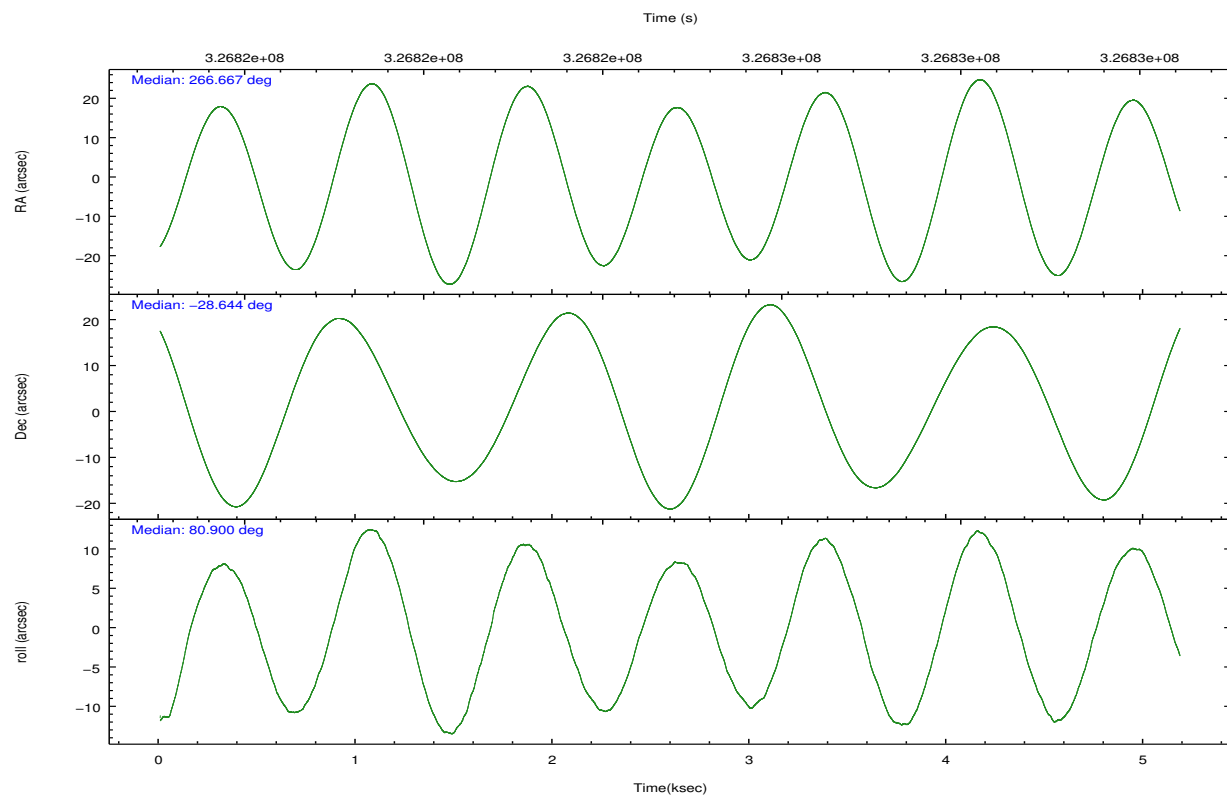


## 2.2 Compared Parameters

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	266.678355	266.6667596243828			
[deg] Pointing Dec	-28.668707	-28.64379681405097			
[deg] Pointing Roll	81.006814	80.90575992998289			
[s] Window start time (MET)	324604865.184000	324604865.184000			
[s] Window stop time (MET)	327196865.184000	327196865.184000			
[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)	326822974.184000	326822495.06398			
Observation start date	2008-05-10T16:08:29	2008-05-10T16:01:35			
[s] Observation end time (MET)	326827974.184000	326828107.45175			
Observation end date	2008-05-10T17:31:49	2008-05-10T17:35:07			

## 2.3 Aspect



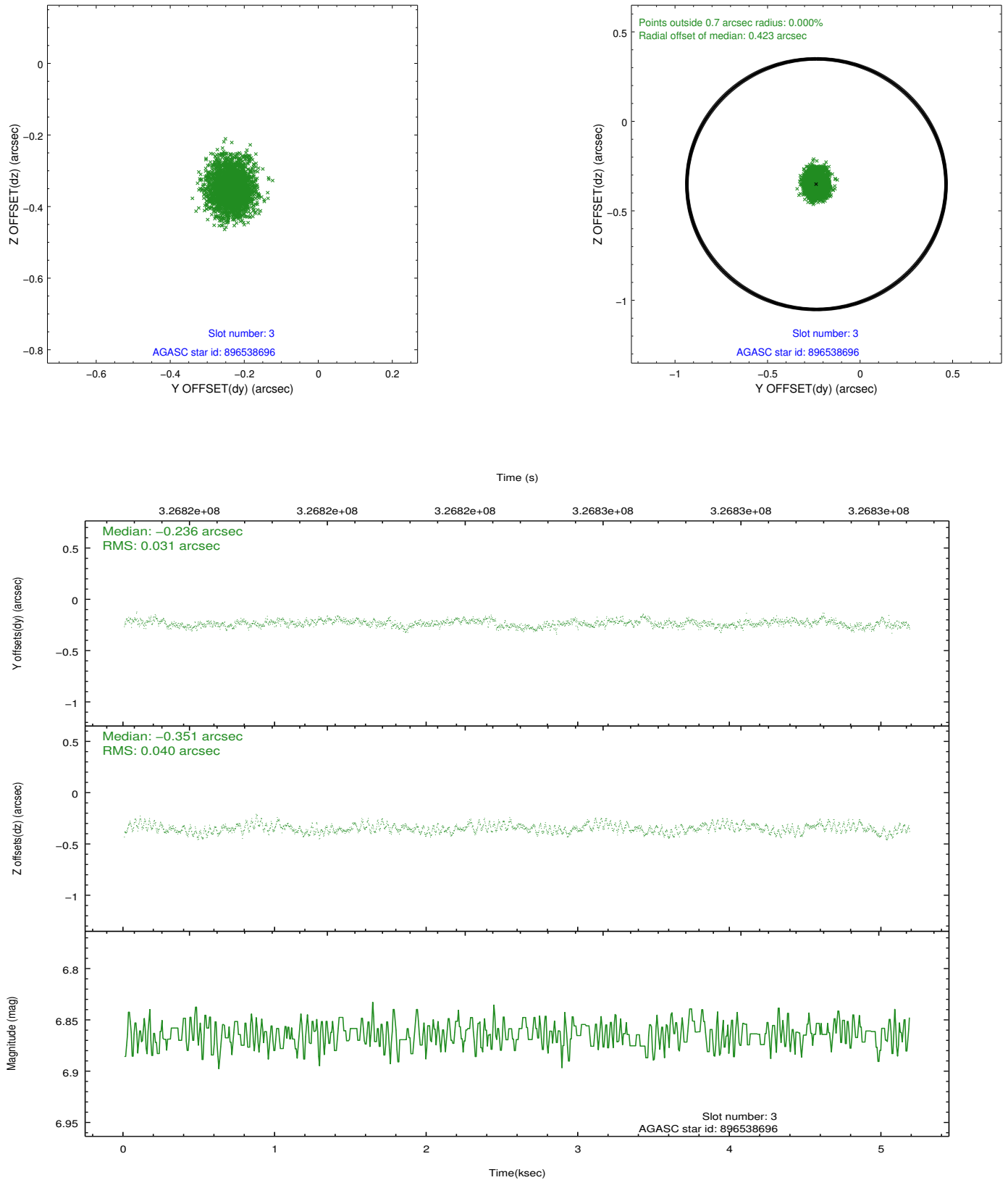


### Slot Statistics

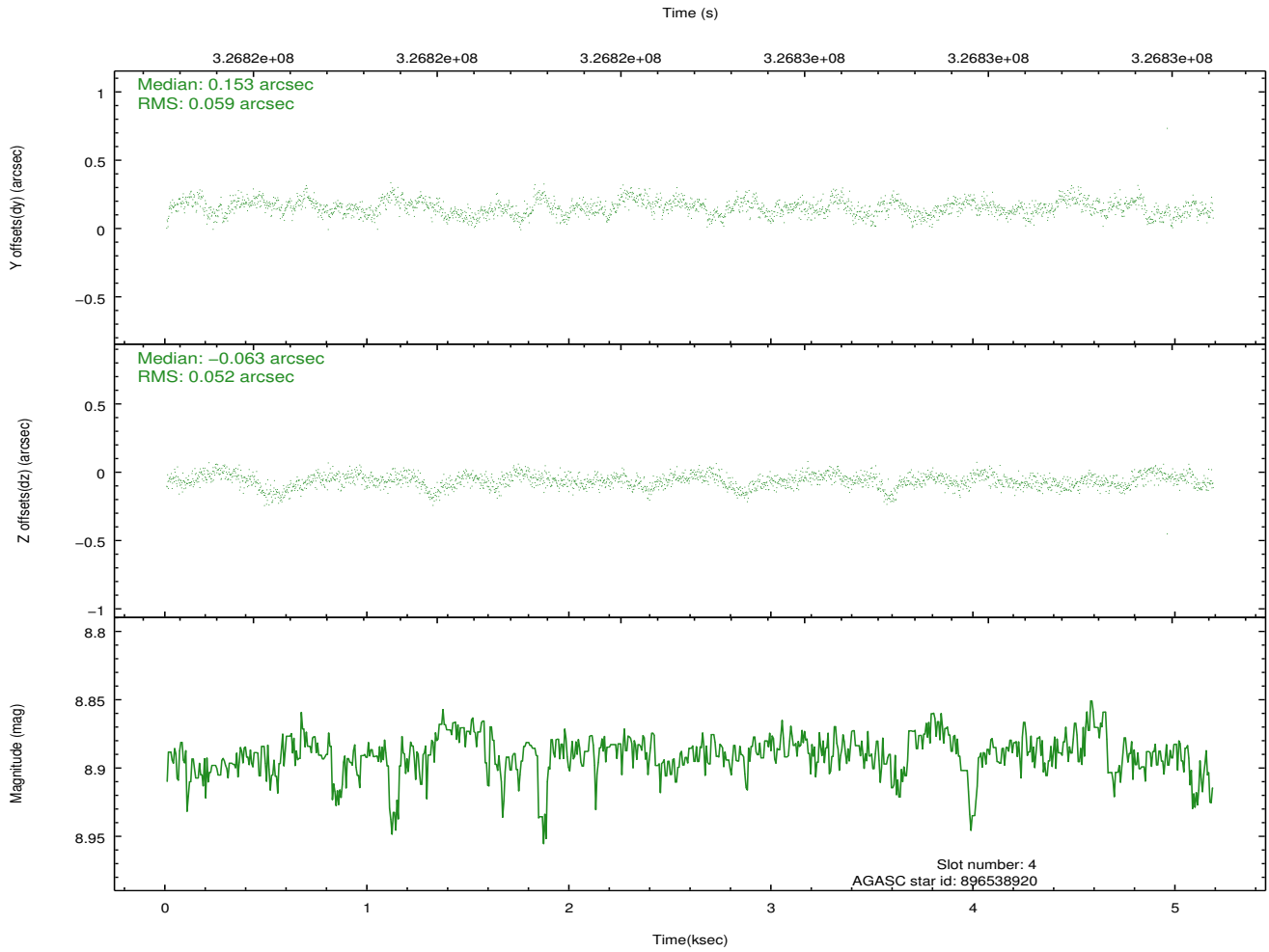
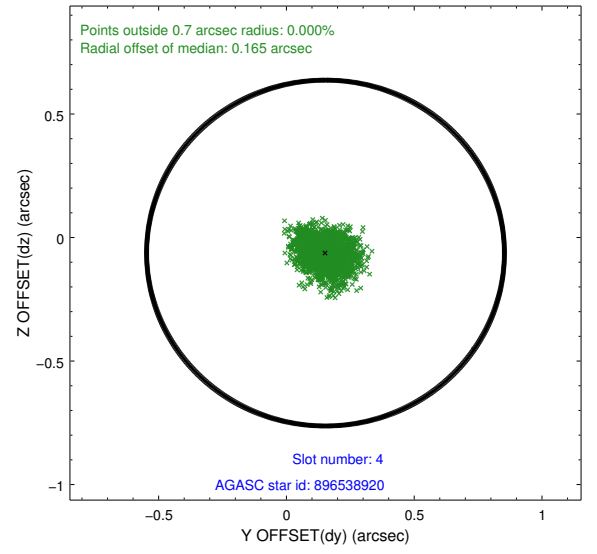
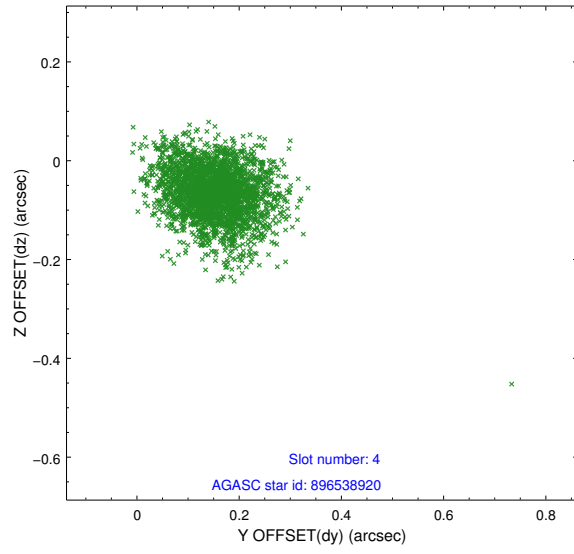
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1264	-0.069	0.004	0.007	0.011	0.000000	0.000000	-769.44	-1299.22
1	FID	HRC-I-2	7.00	1264	0.210	-0.108	0.006	0.010	0.000000	0.000000	842.86	-1301.90
2	FID	HRC-I-3	7.06	1264	-0.022	0.015	0.006	0.011	0.000000	0.000000	-1197.25	1004.32
3	GUIDE	896538696	6.86	2528	-0.236	-0.351	0.054	0.089	266.298470	-28.325572	1030.86	1382.33
4	GUIDE	896538920	8.89	2527	0.153	-0.063	0.082	0.135	266.278728	-29.143592	-1885.43	974.54
5	GUIDE	896540888	7.91	2527	-0.152	0.133	0.068	0.108	267.212234	-28.246138	1763.96	-1433.70
6	GUIDE	896534000	9.26	2525	0.210	0.283	0.104	0.166	267.299113	-29.228915	-1689.84	-2242.07
7	GUIDE	896532608	8.56	2526	0.029	-0.002	0.085	0.144	267.503801	-28.129741	2318.09	-2286.54

## 2.4 Star Slots

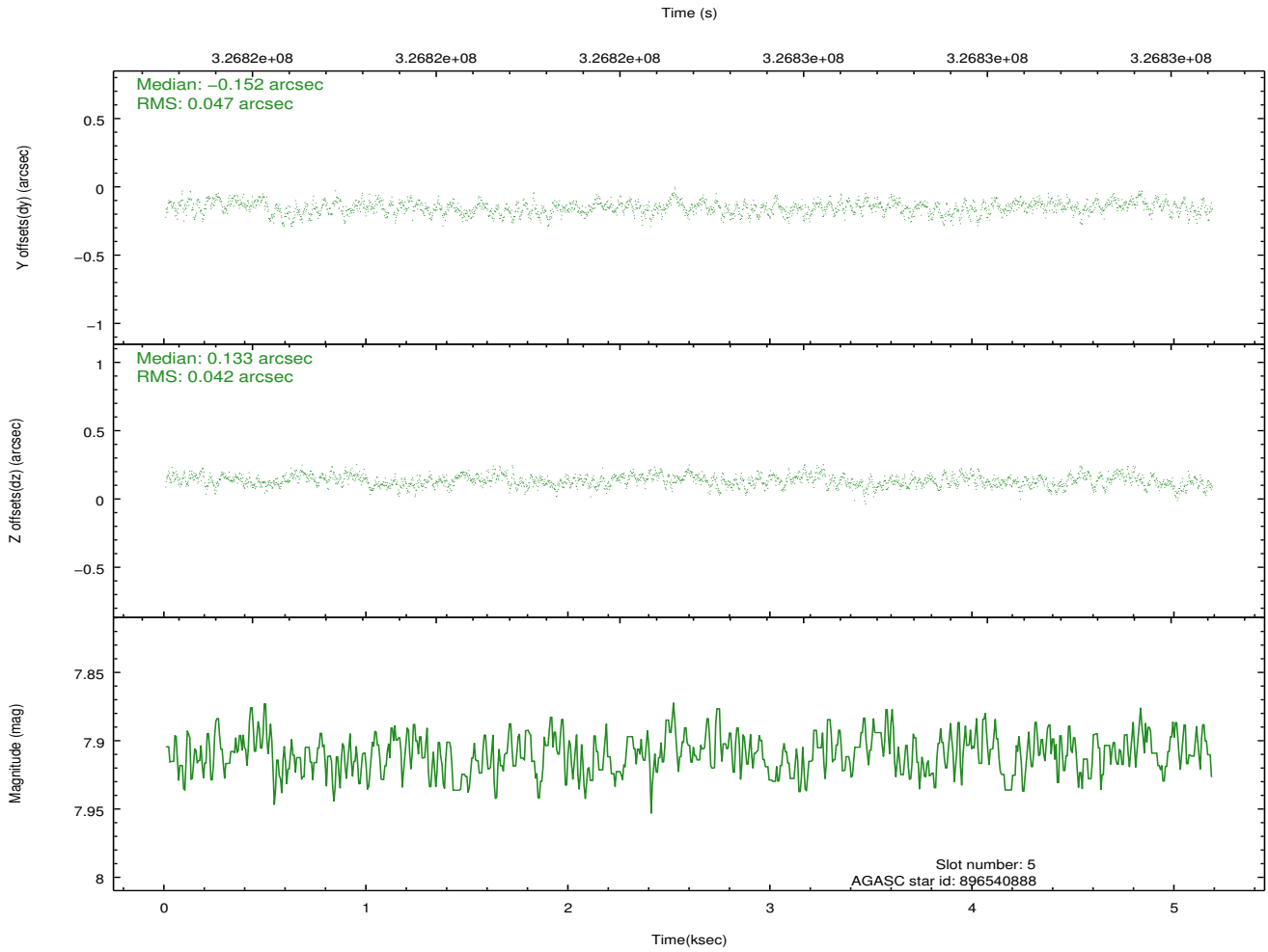
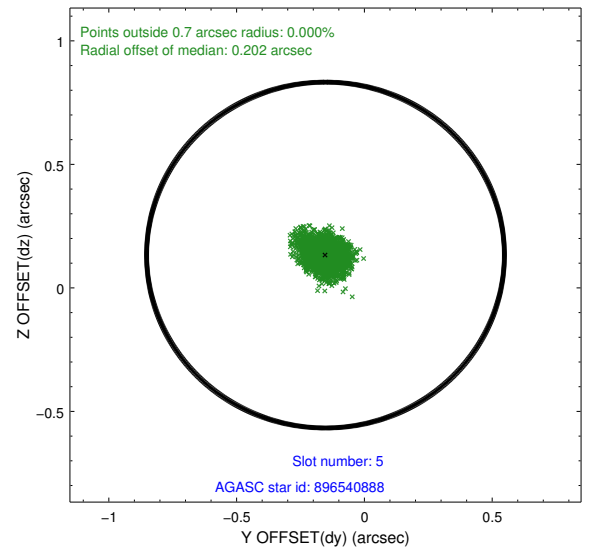
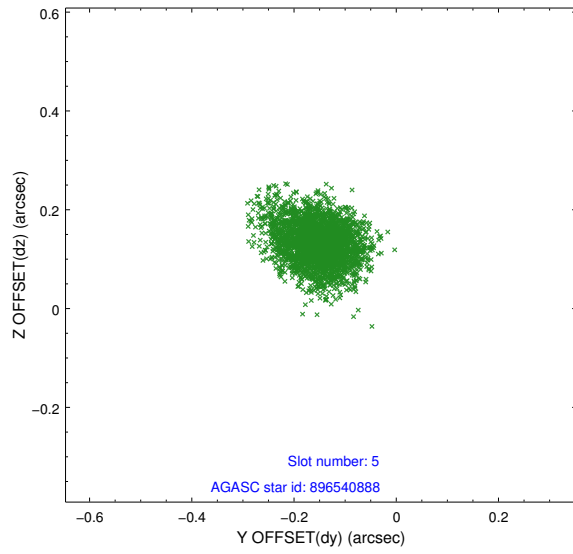
### 2.4.1 Slot 3



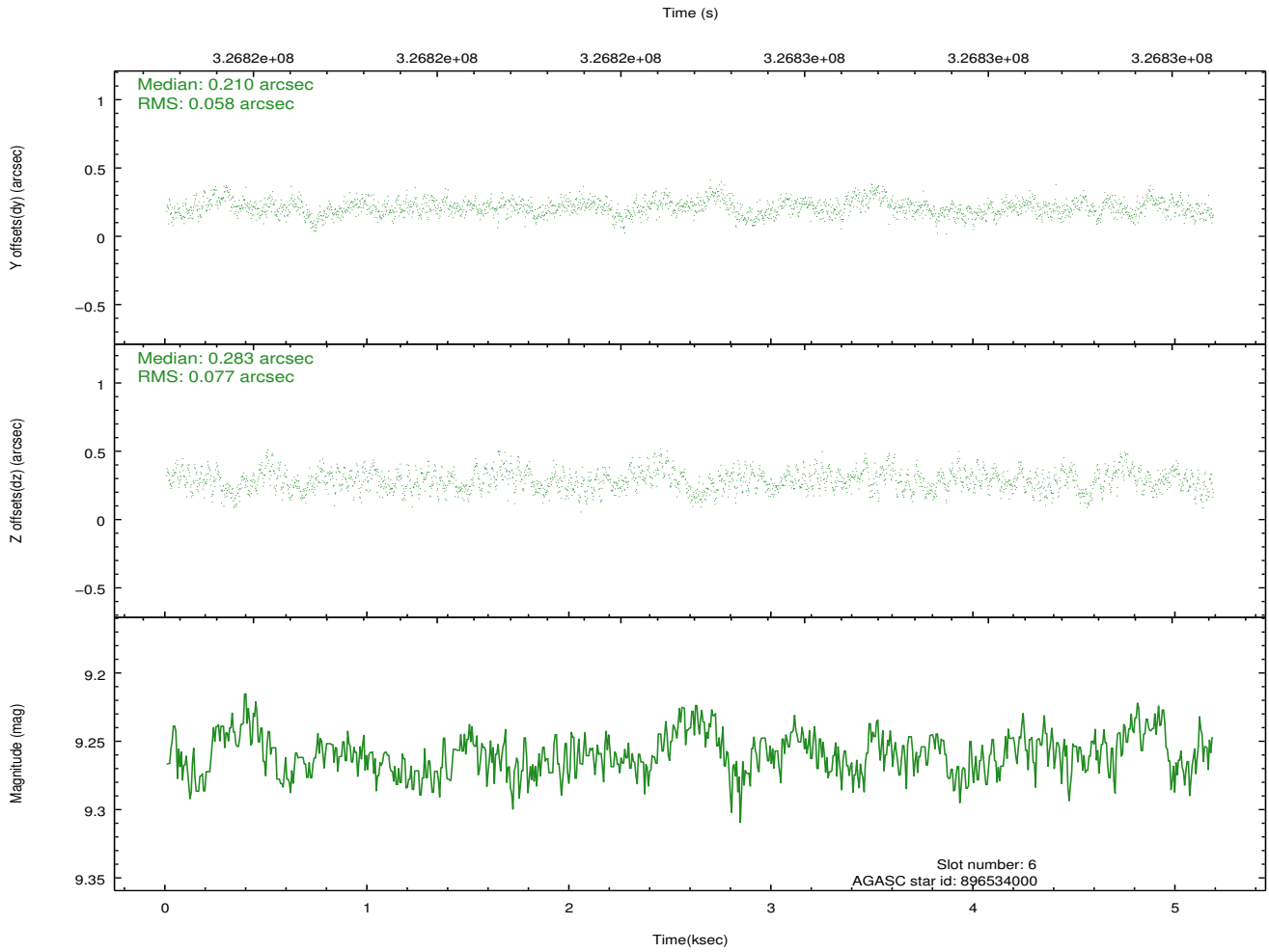
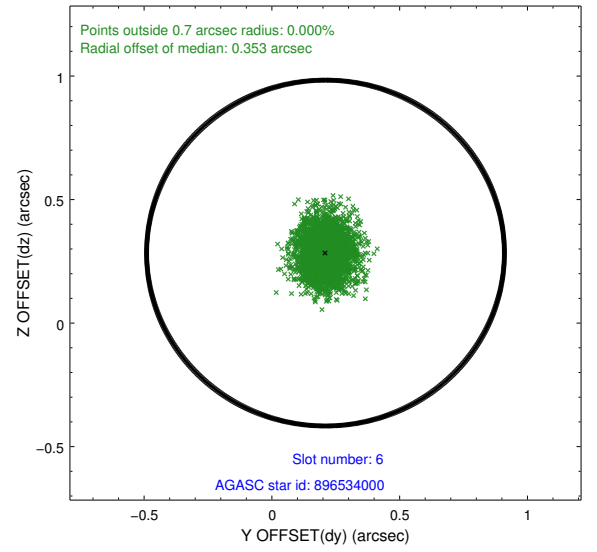
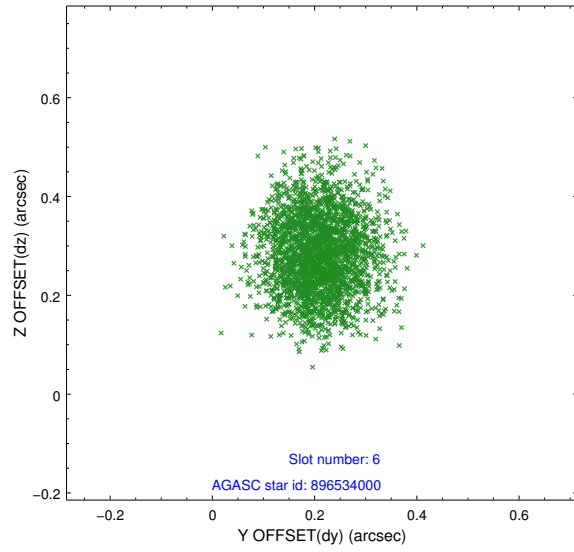
## 2.4.2 Slot 4



### 2.4.3 Slot 5

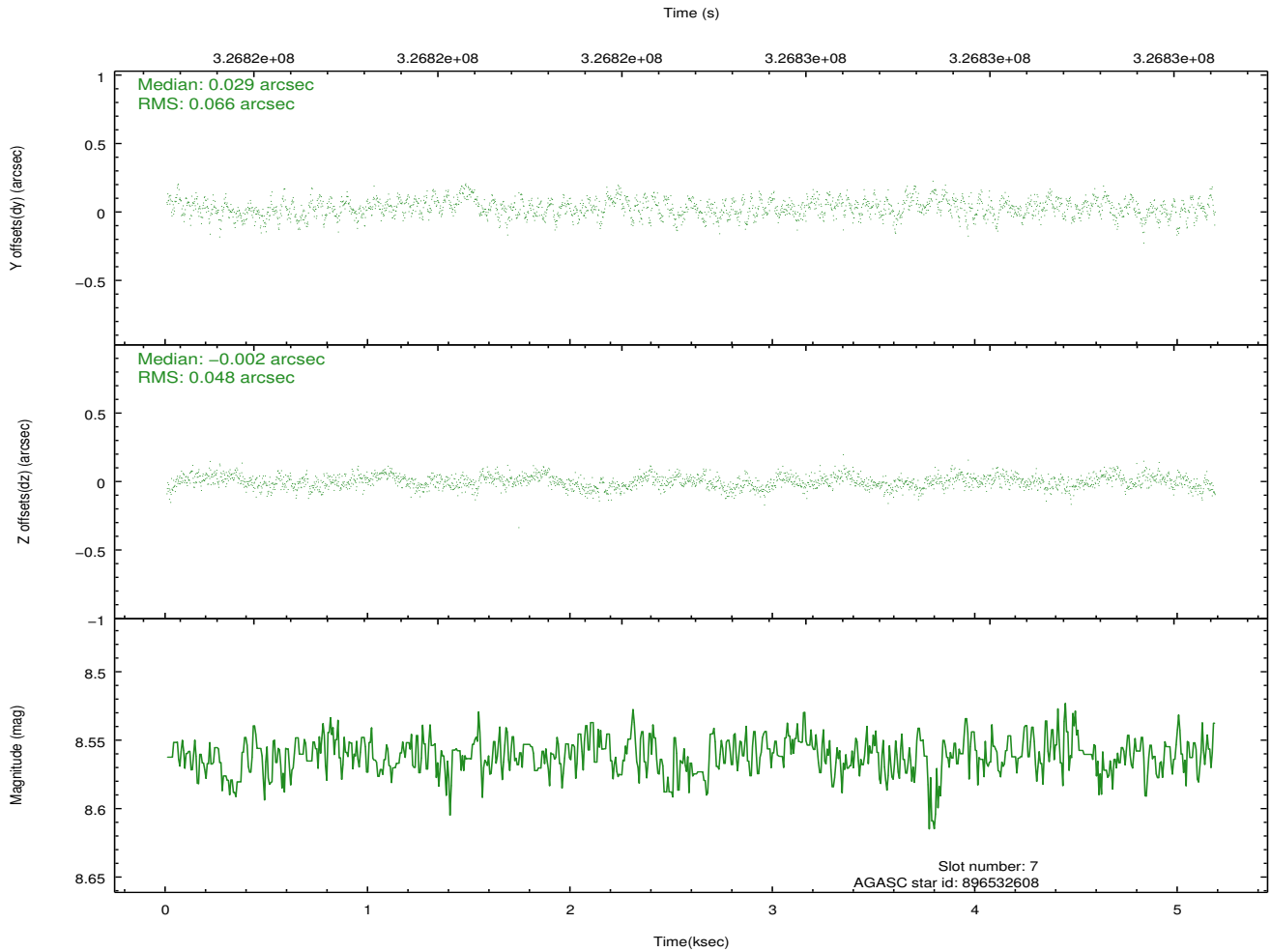
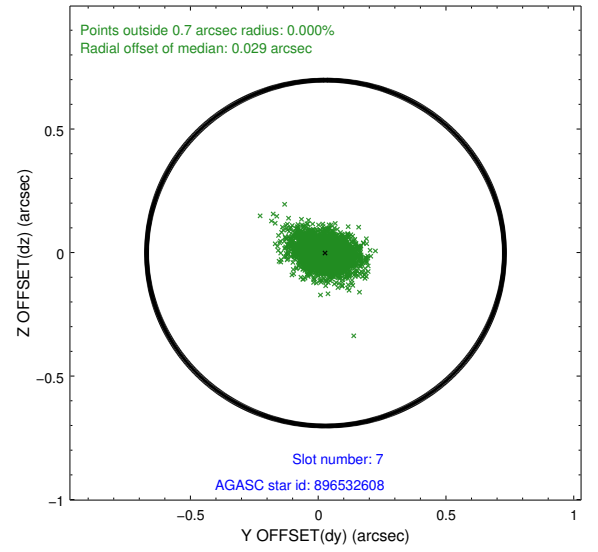
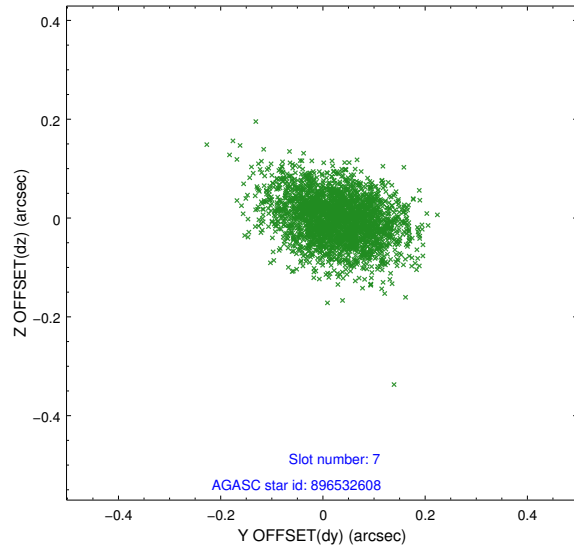


## 2.4.4 Slot 6



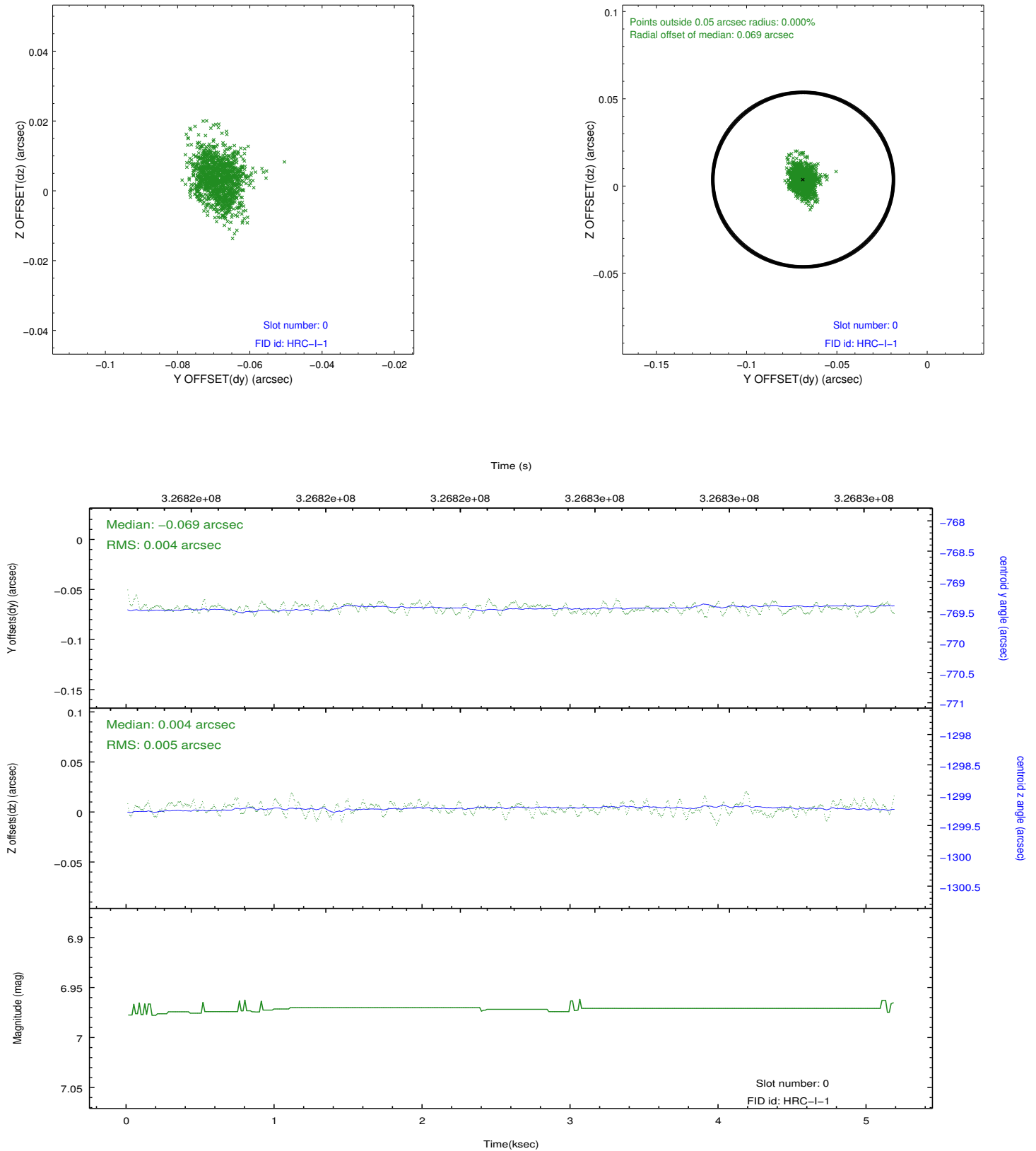


## 2.4.5 Slot 7

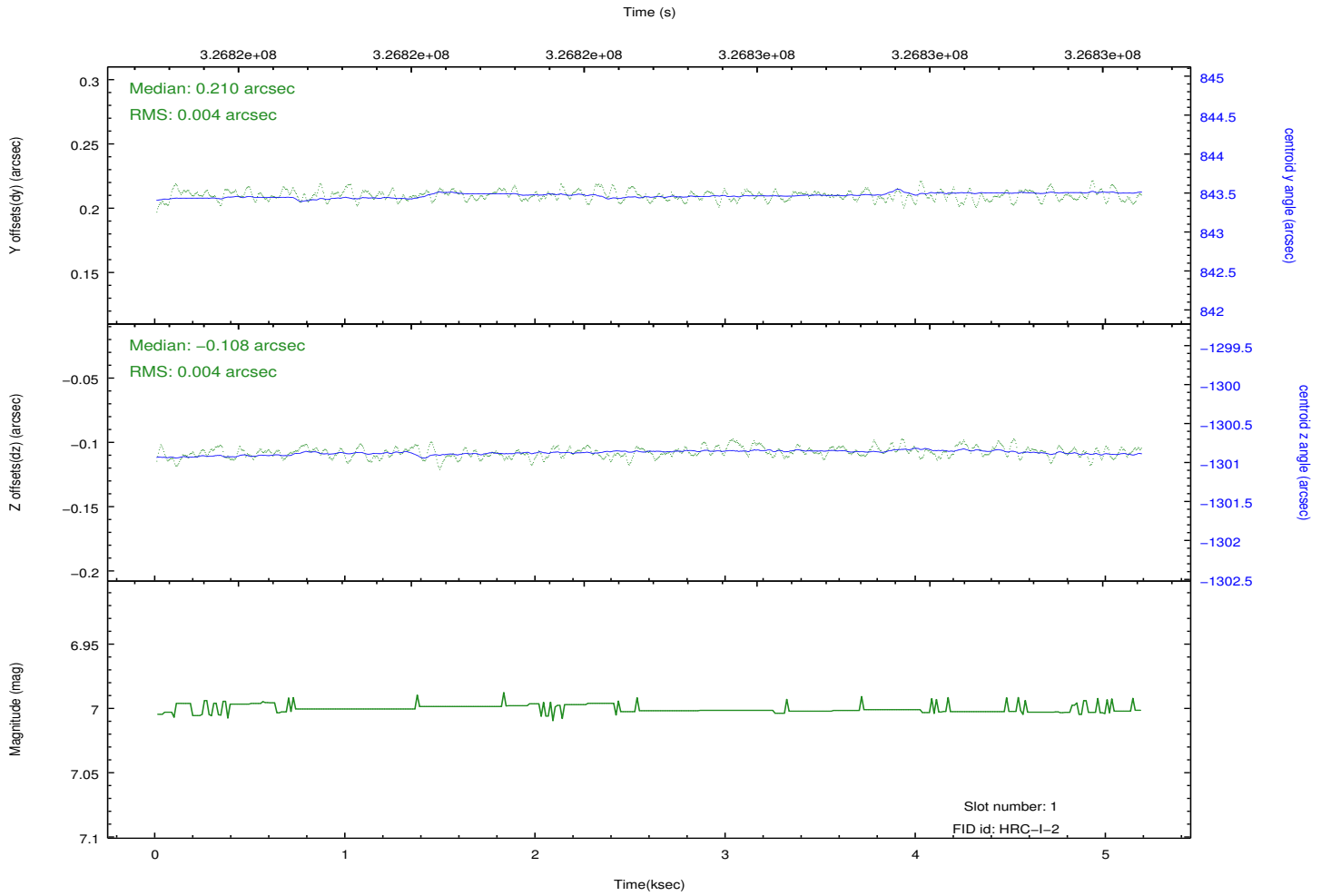
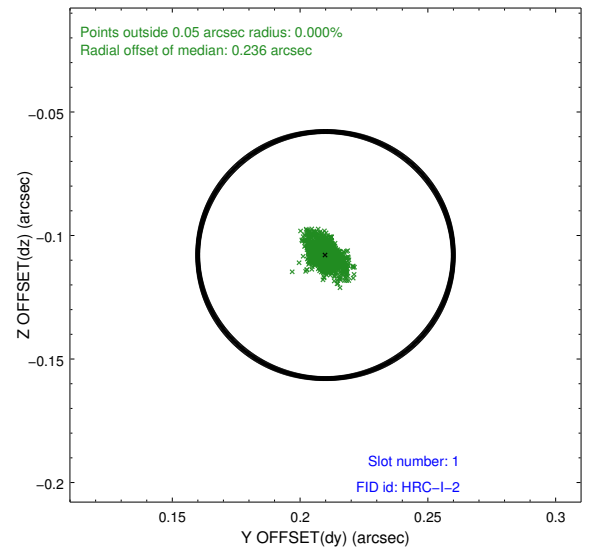
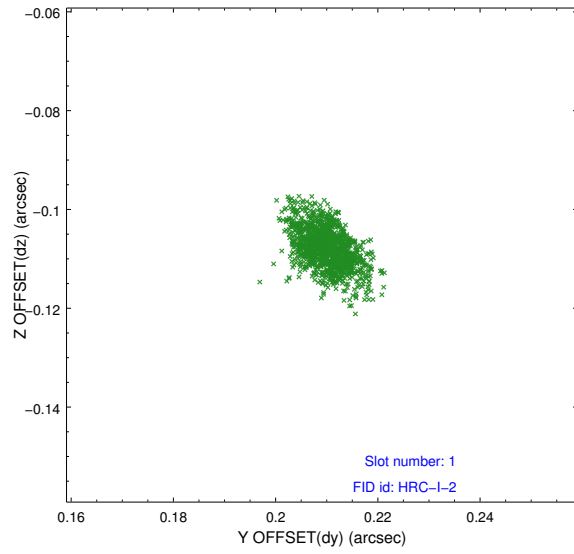


## 2.5 FID Slots

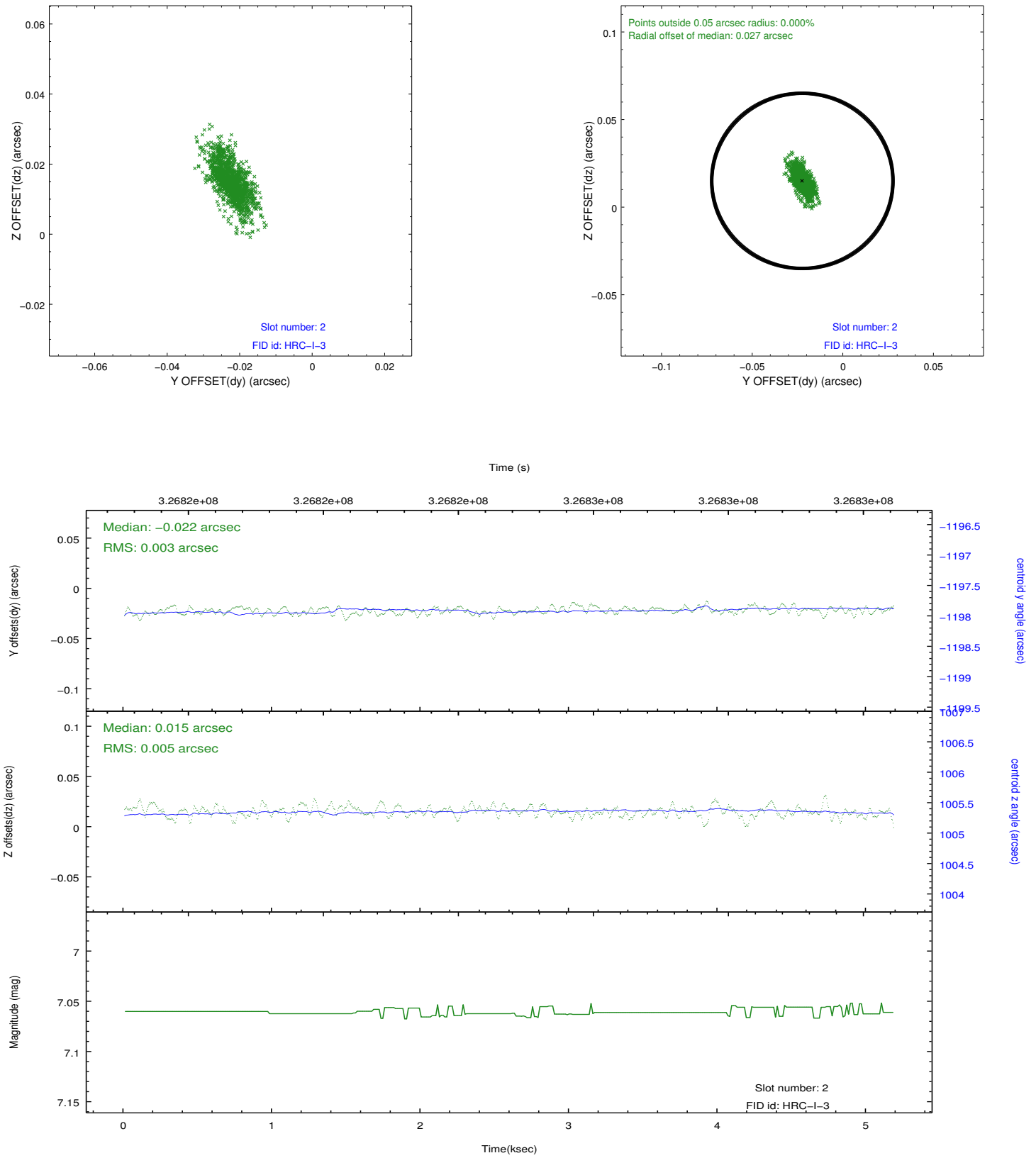
### 2.5.1 Slot 0



## 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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17932525

### A.2 Comments

Joint proposal with XMM. Window preference met.