

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9032 - L2 Version 3  
Chandra X-Ray Center

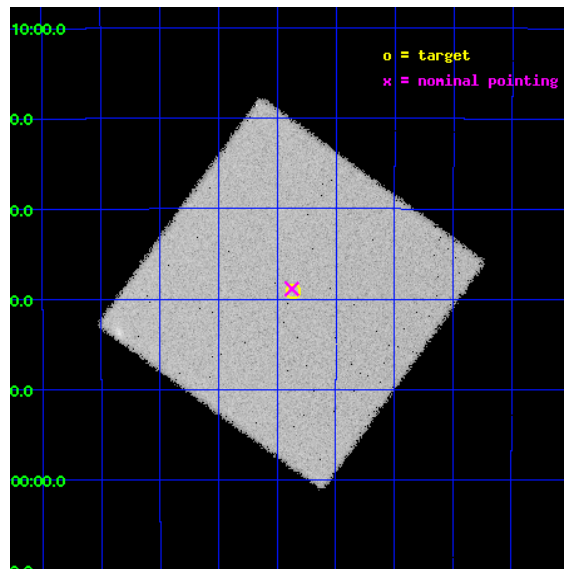
L2 Processing Date : Aug 12 2012

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# 1 Front

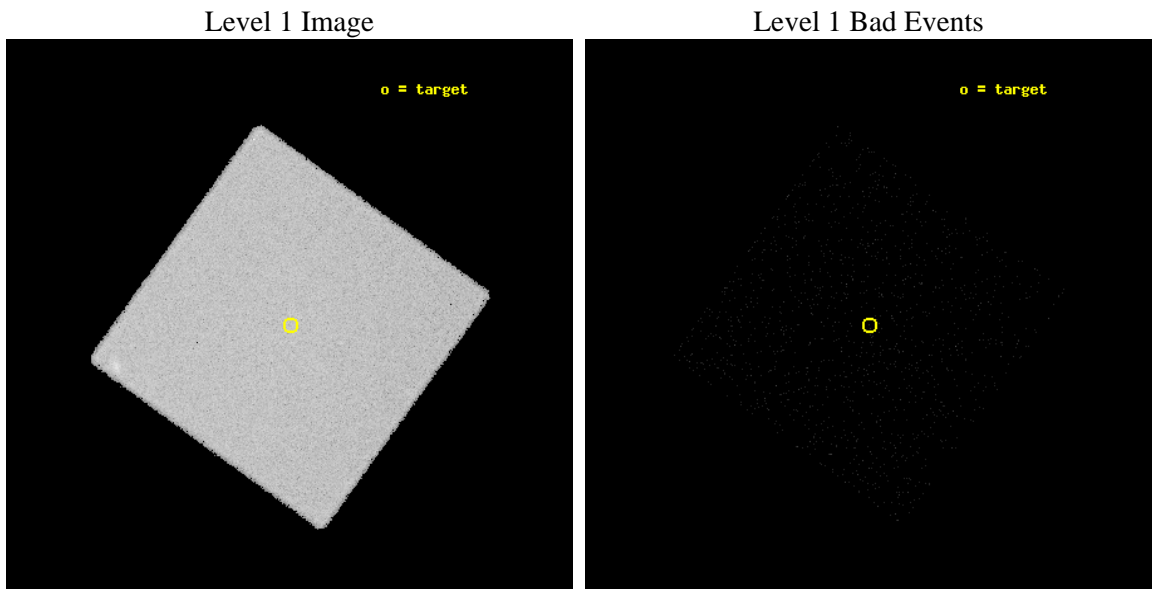
seq_num	400883	Sequence number
obs_id	9032	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Dr. Rudy Wijnands	Principal investigator
object	GC-4	Source name
ra_targ	266.21625	Observer's specified target RA [deg]
dec_targ	-28.651417	Observer's specified target Dec [deg]
ra_nom	266.21859908576	Nominal RA [deg]
dec_nom	-28.647920636308	Nominal Dec [deg]
roll_nom	80.905644081582	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5183.4252526164	[s]
livetime	5129.9539009425	Ontime multiplied by DTCOR
l2events	318925	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	5183.4252526164	[s]
caldbver	4.5.1.1	&#160	l1events	497313	Number of level 1 events
date	2012-08-12T12:37:46	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

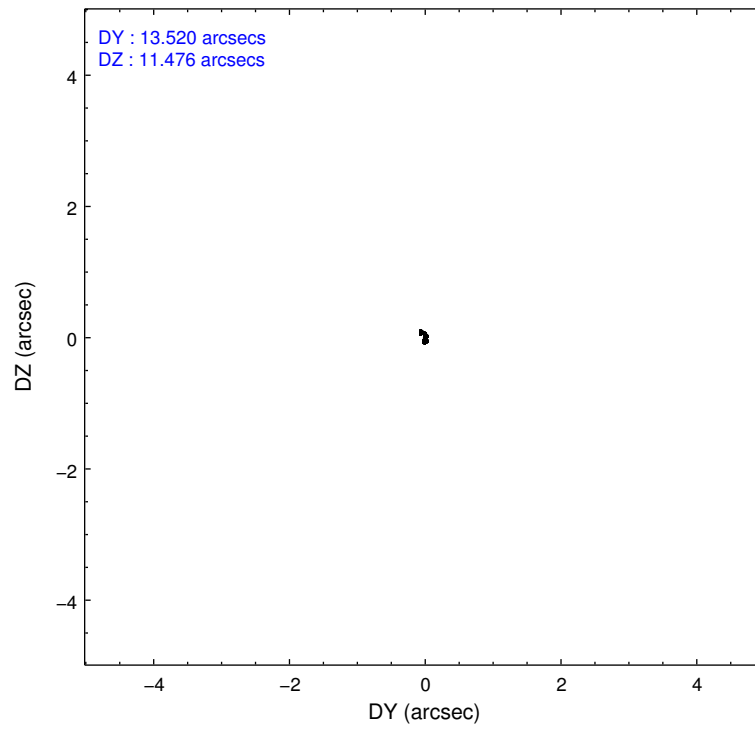
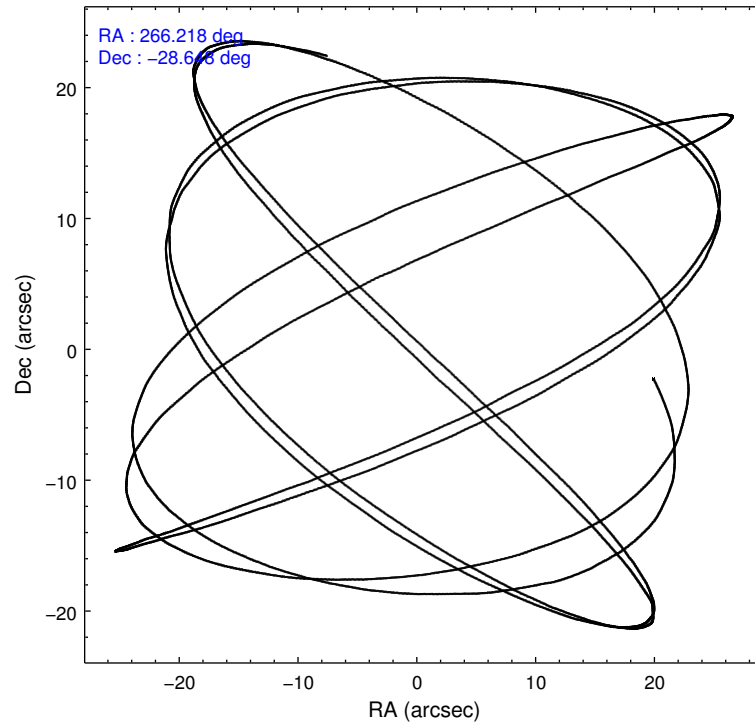
#### Level 1 Events

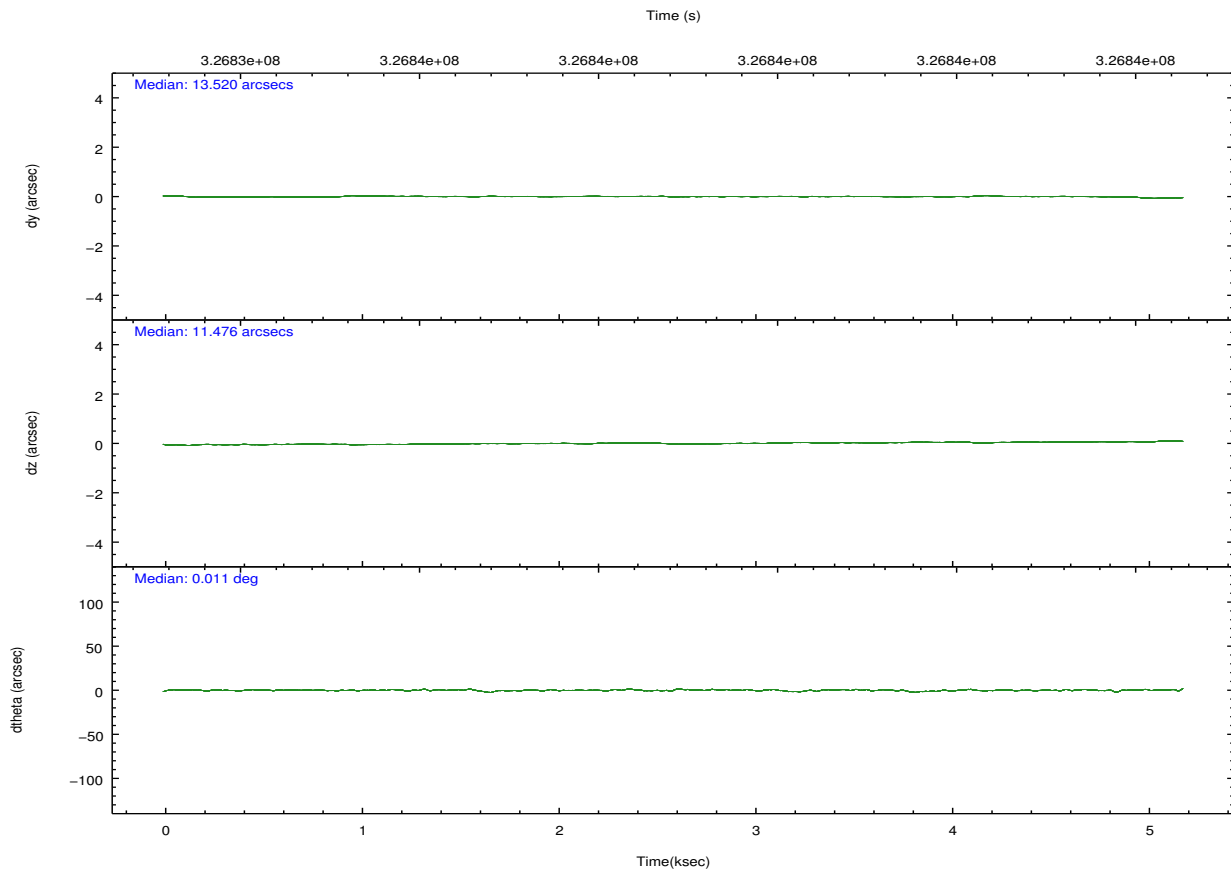
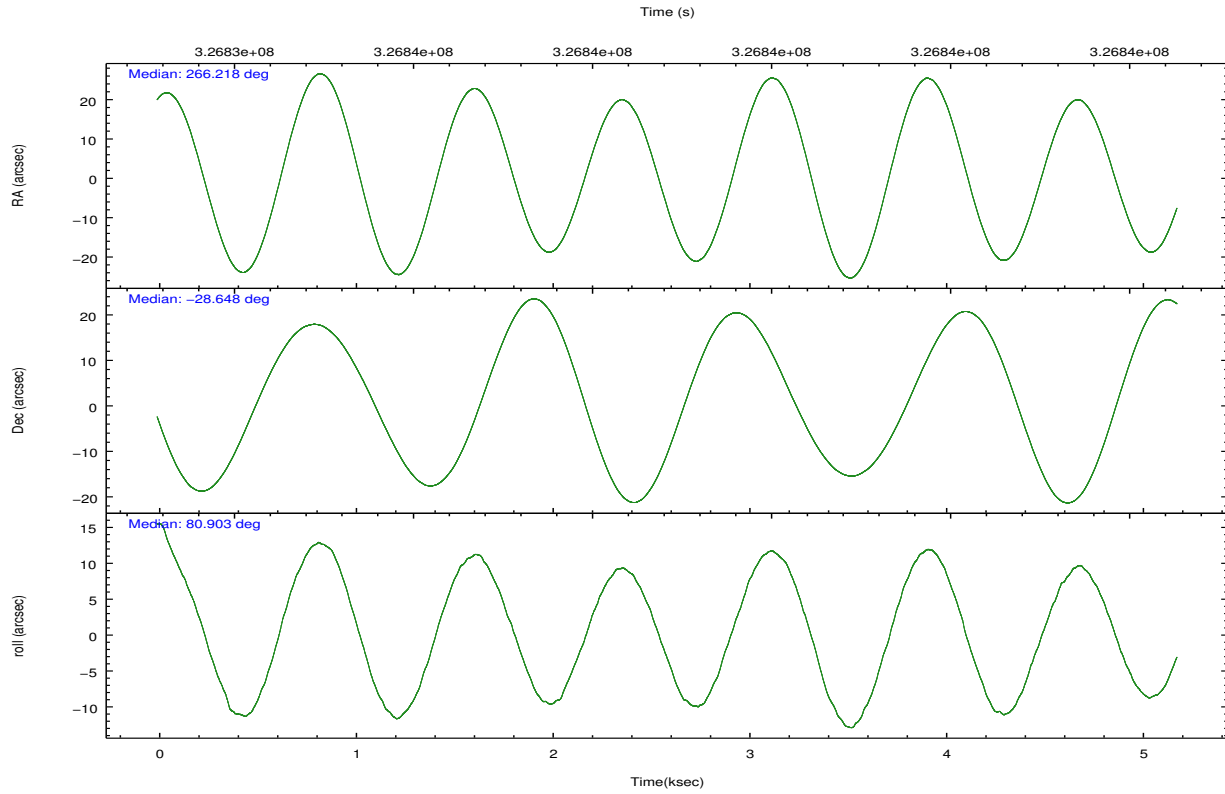
	<b>segment 0</b>
level 1 events	497313
rejected events	29086
rejected %	5%

## 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	266.230441	266.2185990857556			
[deg] Pointing Dec	-28.672963	-28.64792063630824			
[deg] Pointing Roll	81.006810	80.90564408158174			
[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)	326833994.184000	326833617.85202			
Observation start date	2008-05-10T19:12:09	2008-05-10T19:06:57			
[s] Observation end time (MET)	326838994.184000	326839128.25229			
Observation end date	2008-05-10T20:35:29	2008-05-10T20:38:48			

## 2.3 Aspect



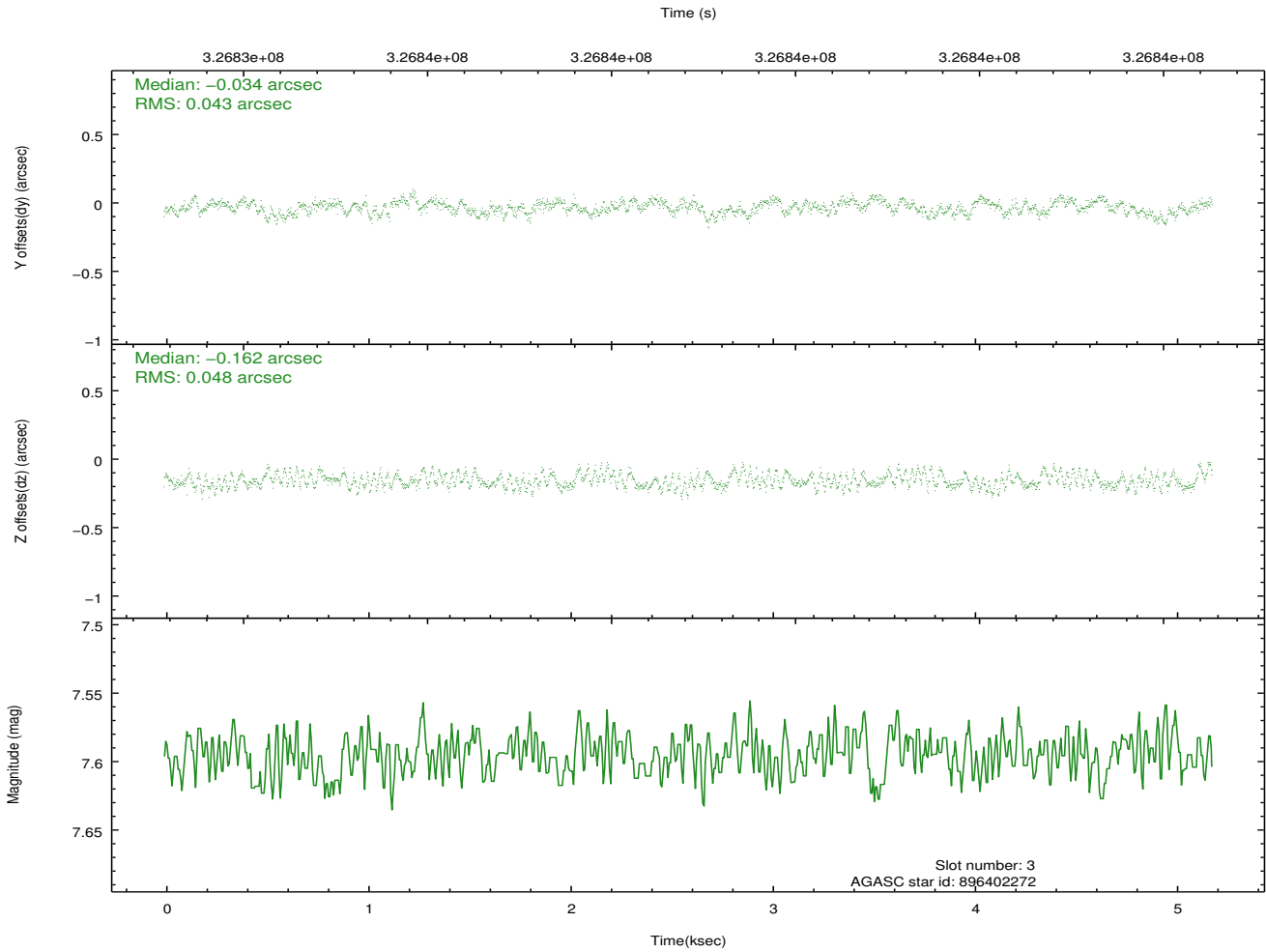
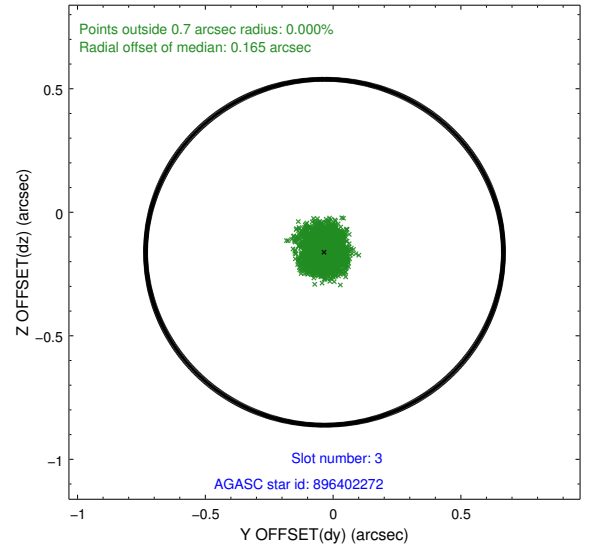
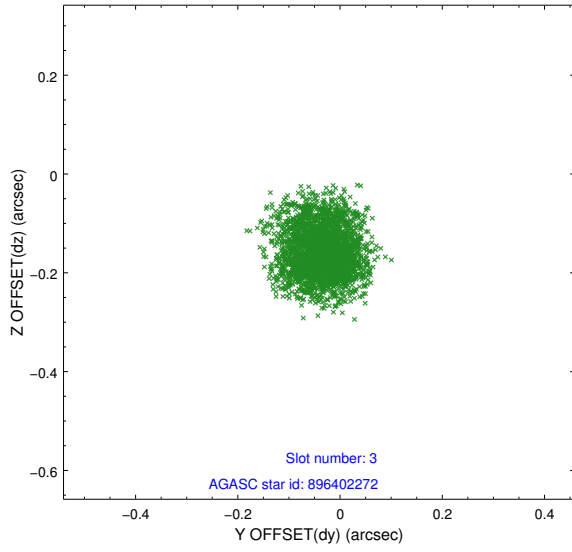


### Slot Statistics

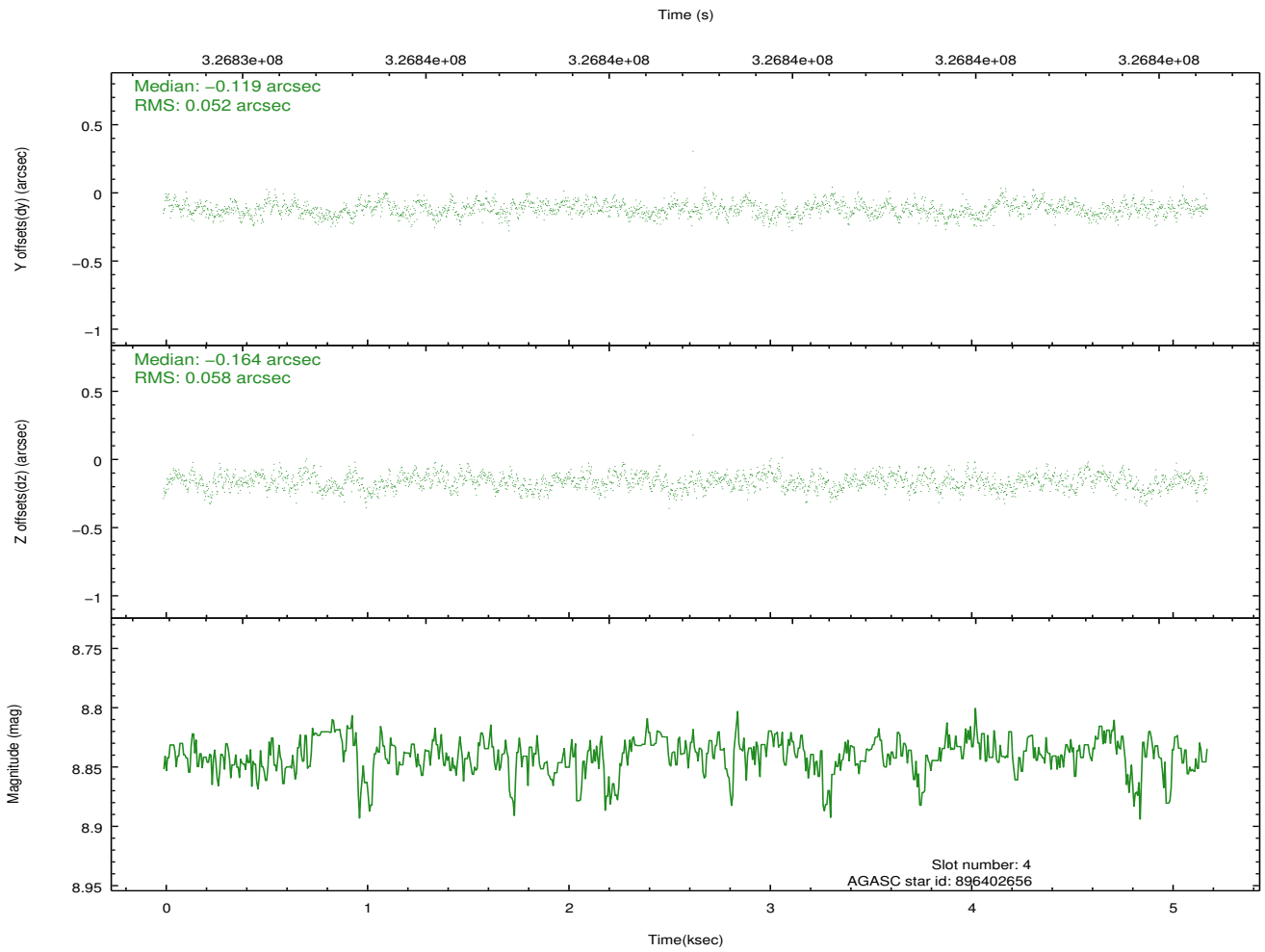
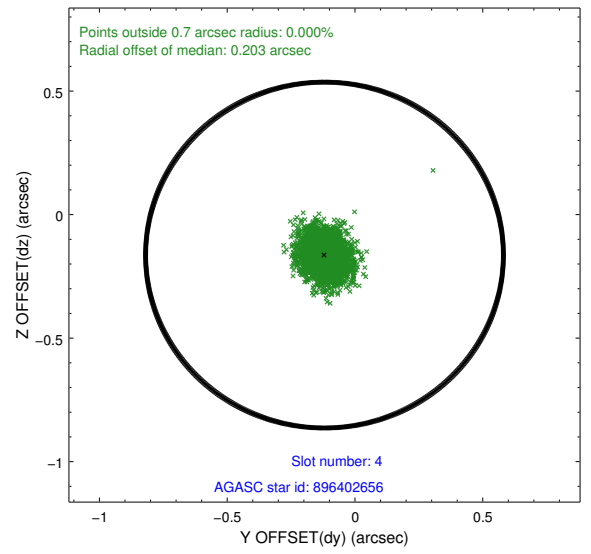
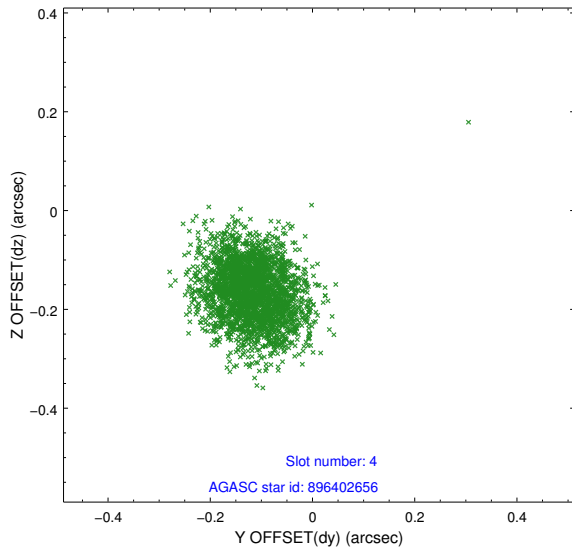
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	1265	0.013	-0.030	0.007	0.016	0.000000	0.000000	-769.32	-1299.46
1	FID	HRC-I-3	7.06	1265	-0.080	-0.051	0.007	0.024	0.000000	0.000000	-1198.42	1004.08
2	FID	HRC-I-4	6.98	1265	0.181	-0.008	0.007	0.013	0.000000	0.000000	1272.78	1003.44
3	GUIDE	896402272	7.60	2527	-0.034	-0.162	0.070	0.110	265.637294	-28.313189	981.31	2058.09
4	GUIDE	896402656	8.84	2529	-0.119	-0.164	0.081	0.131	265.739192	-28.230753	1326.47	1787.74
5	GUIDE	896404568	7.85	2530	-0.034	-0.136	0.065	0.108	265.687293	-28.431080	588.42	1834.14
6	GUIDE	896534664	8.19	2530	-0.125	0.199	0.067	0.115	266.405570	-28.407461	1031.03	-397.76
7	GUIDE	896533888	7.03	2529	0.311	0.254	0.055	0.085	266.666434	-29.392757	-2346.82	-1756.61

## 2.4 Star Slots

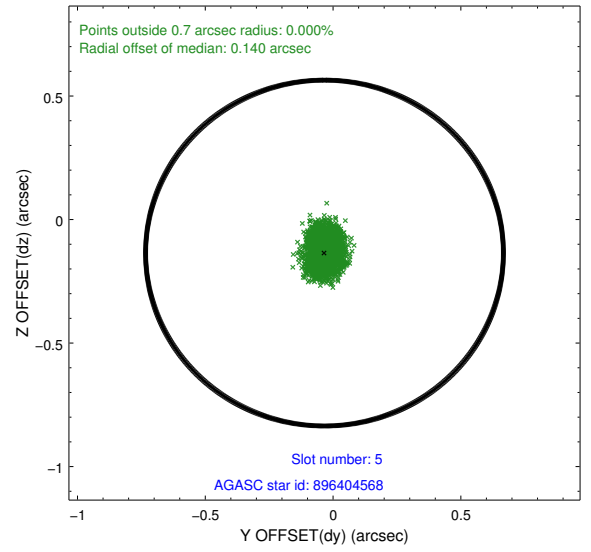
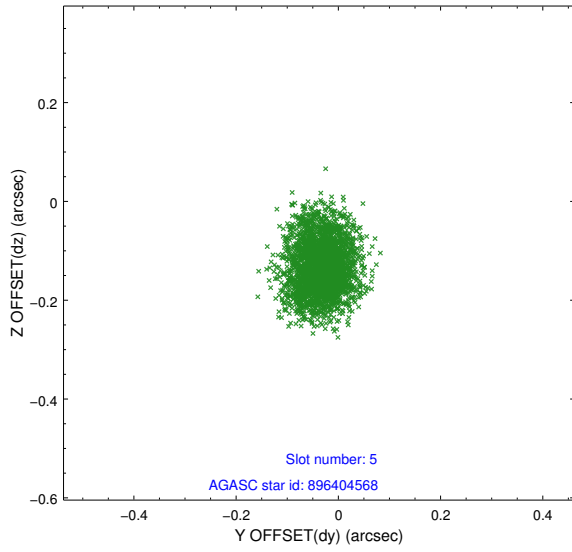
### 2.4.1 Slot 3



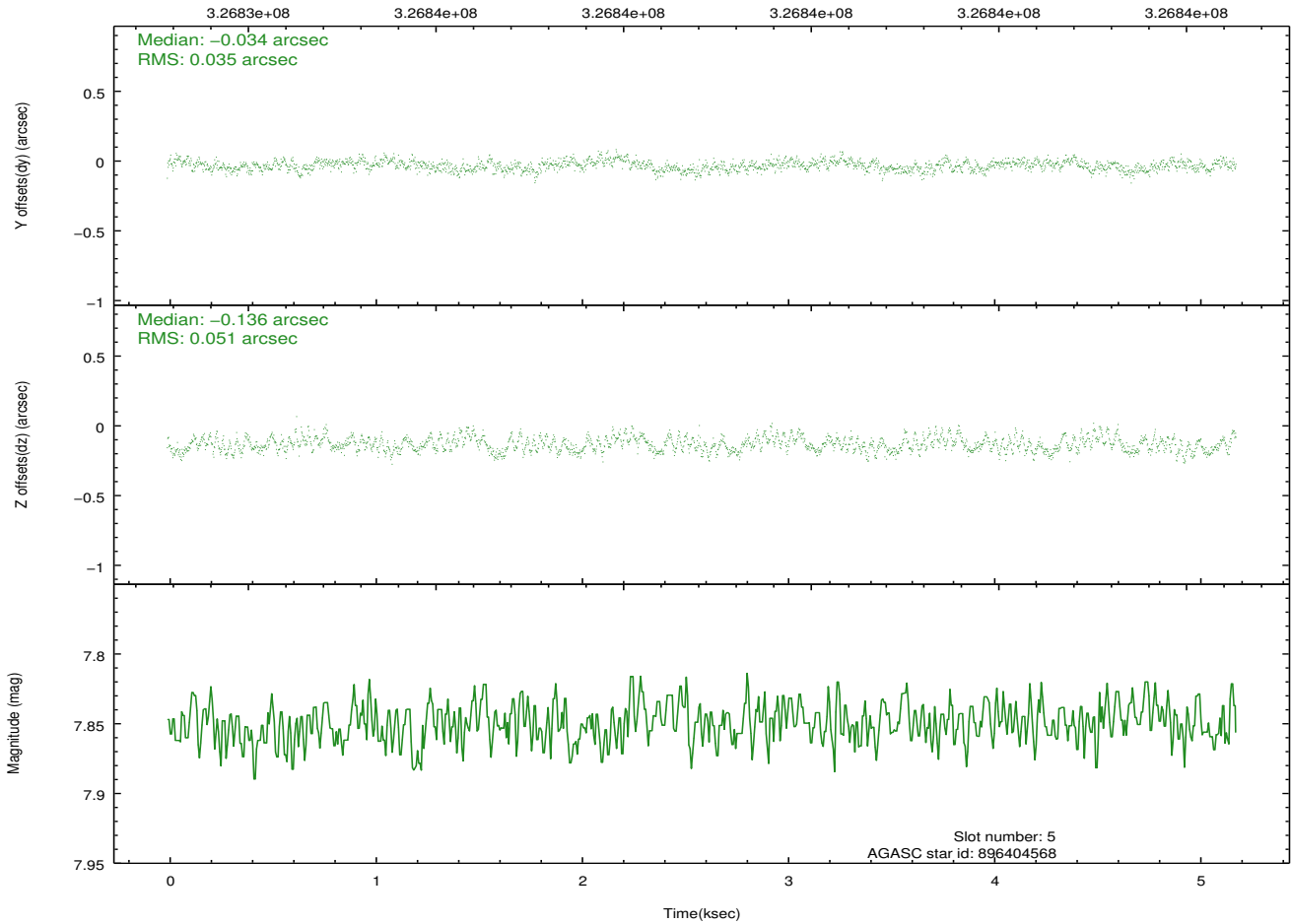
## 2.4.2 Slot 4



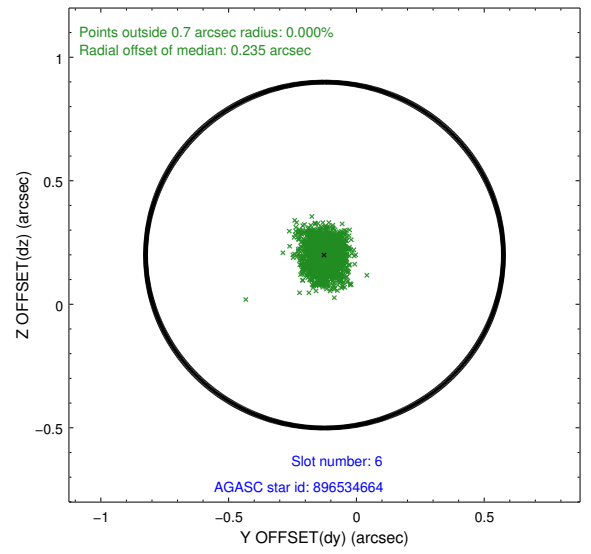
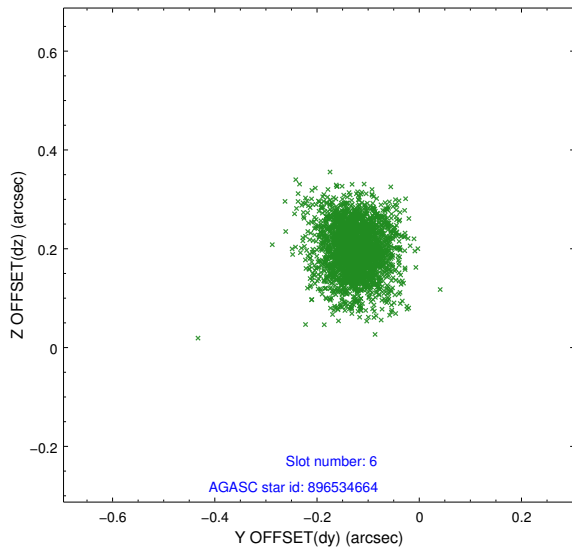
### 2.4.3 Slot 5



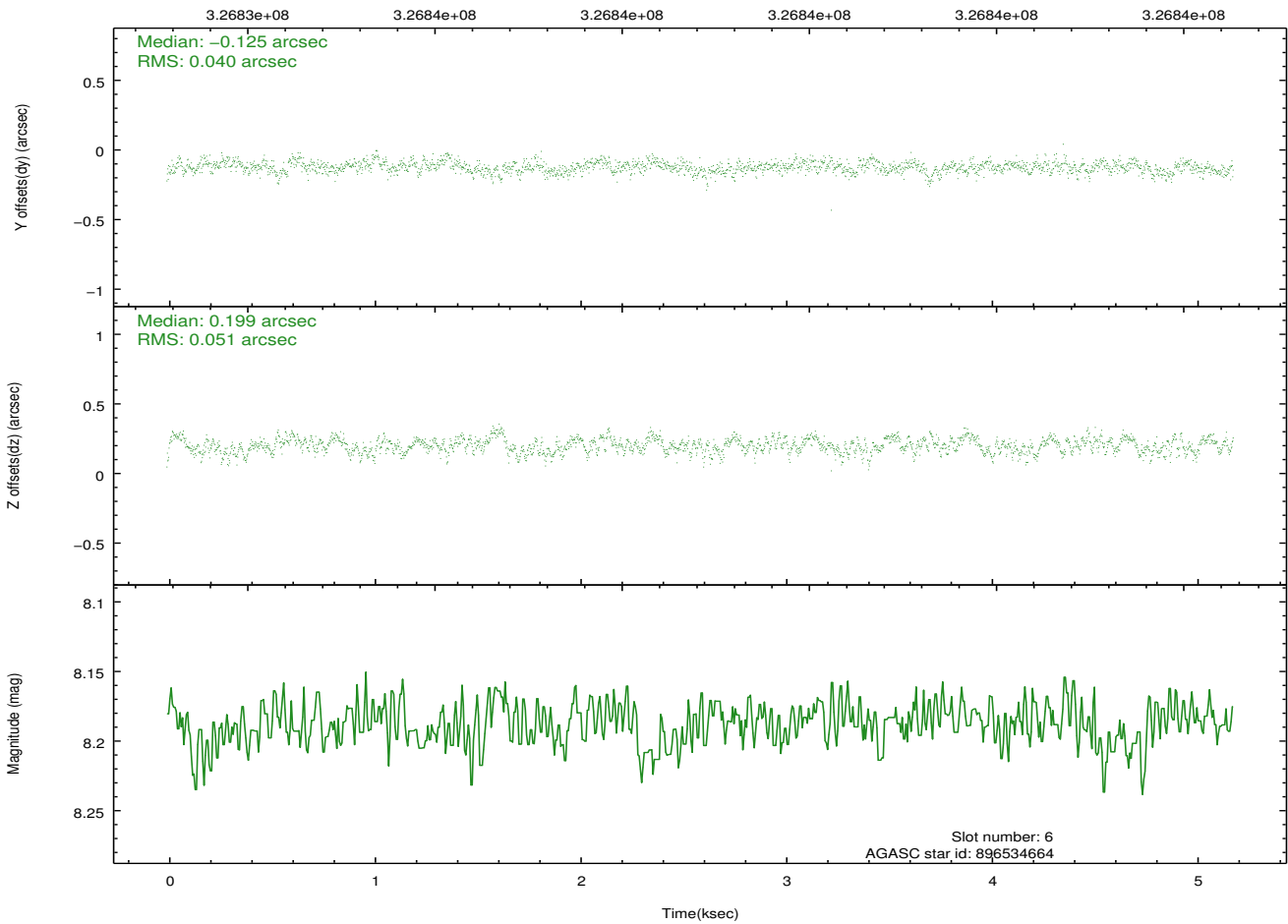
Time (s)



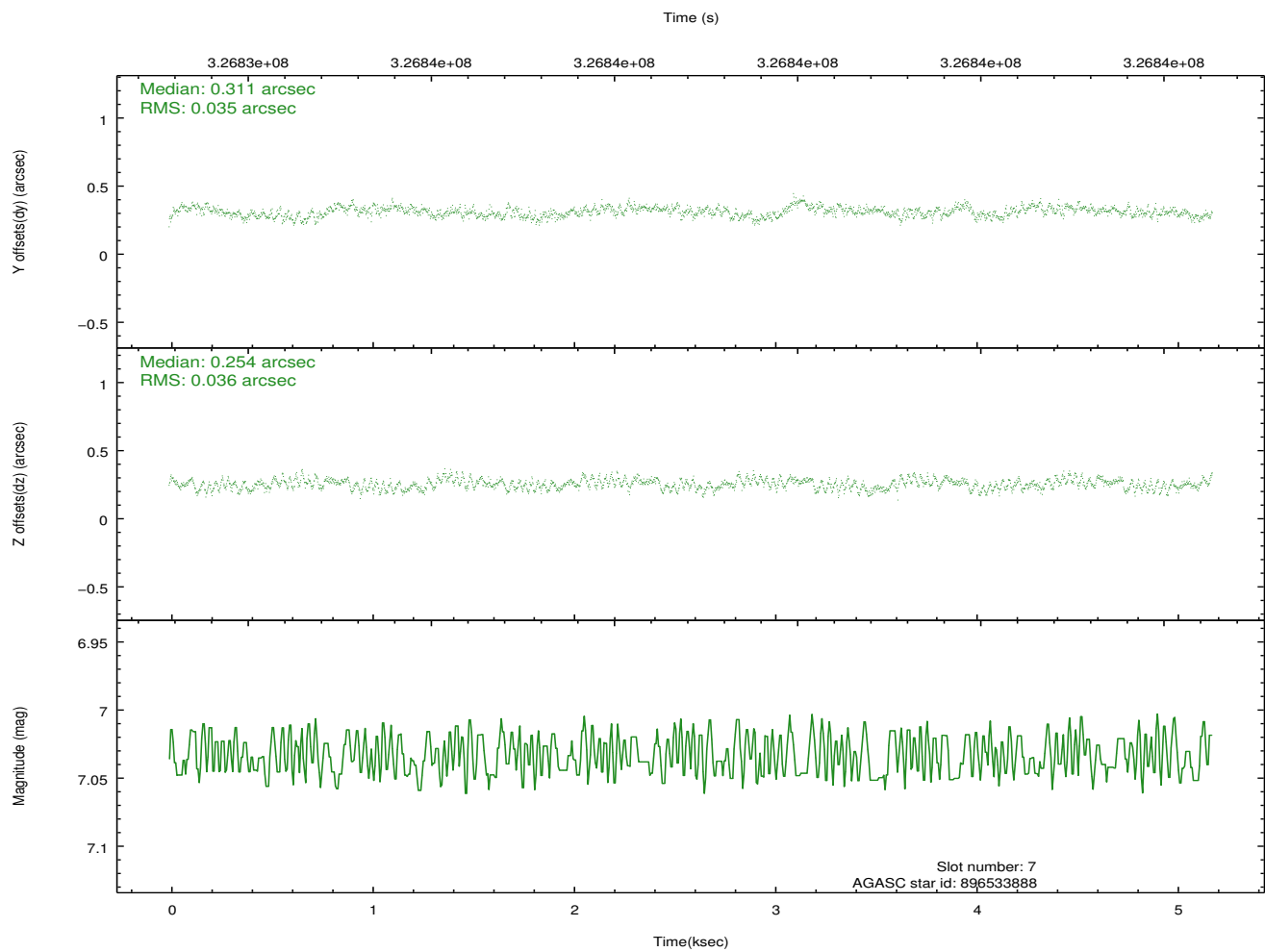
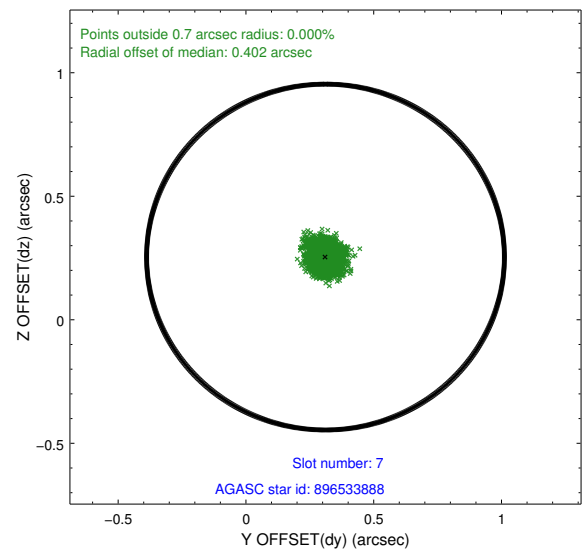
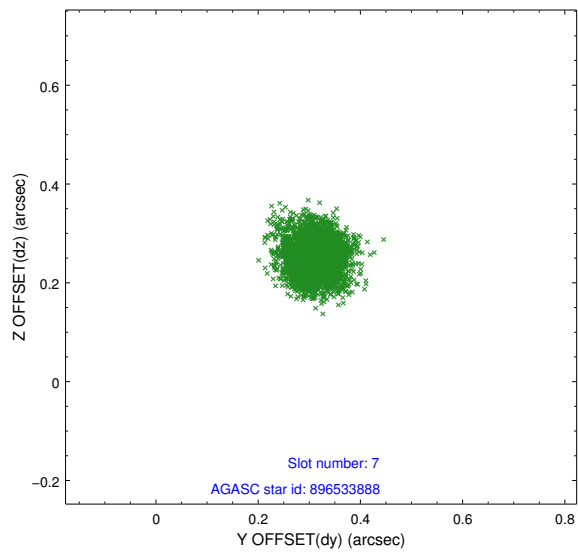
### 2.4.4 Slot 6



Time (s)

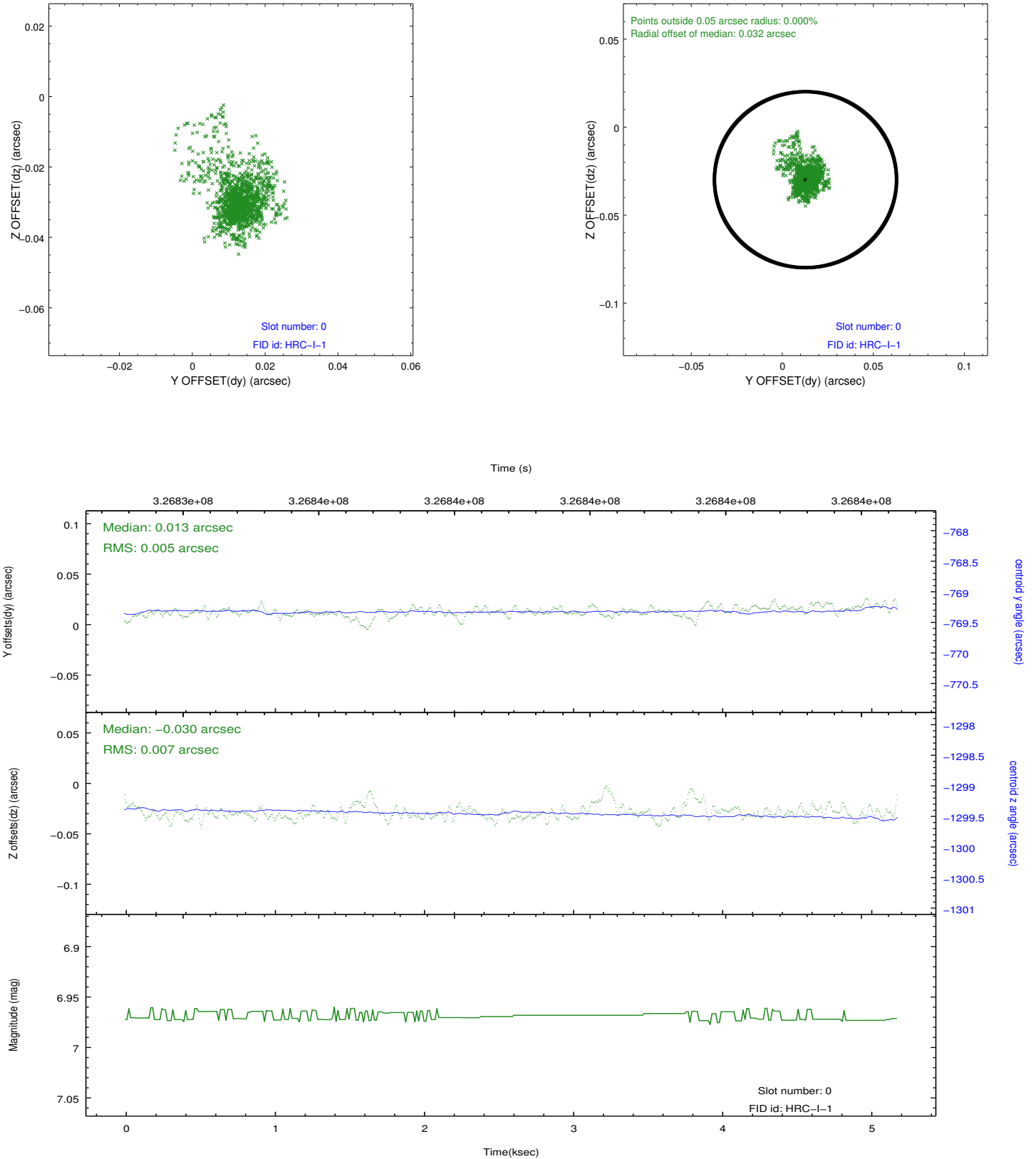


## 2.4.5 Slot 7

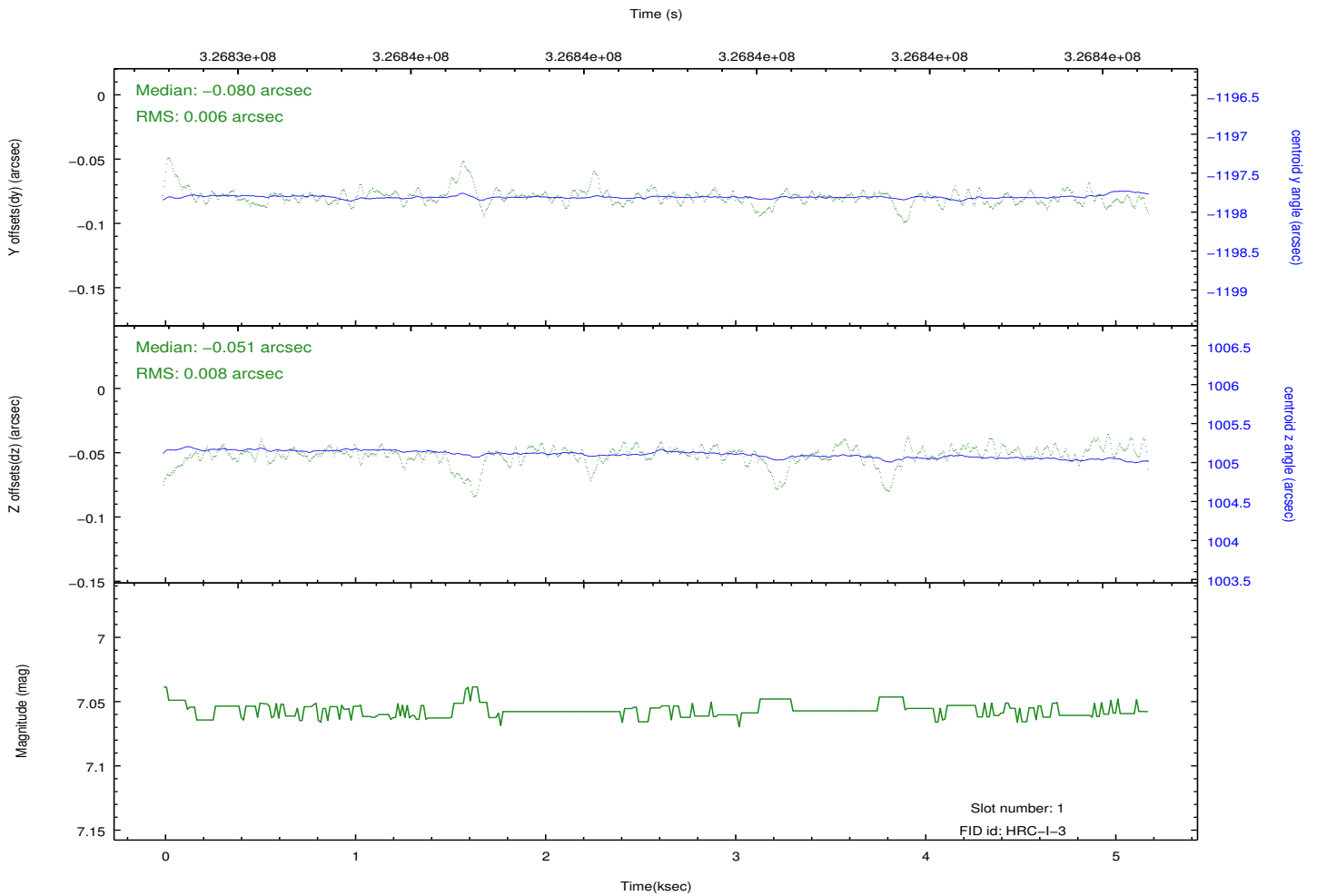
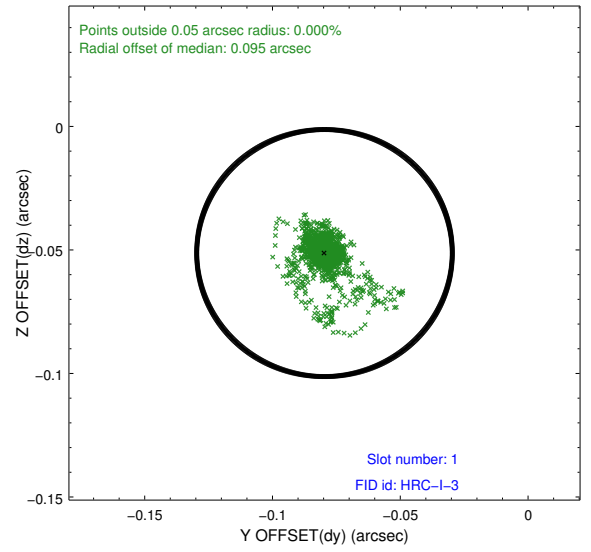
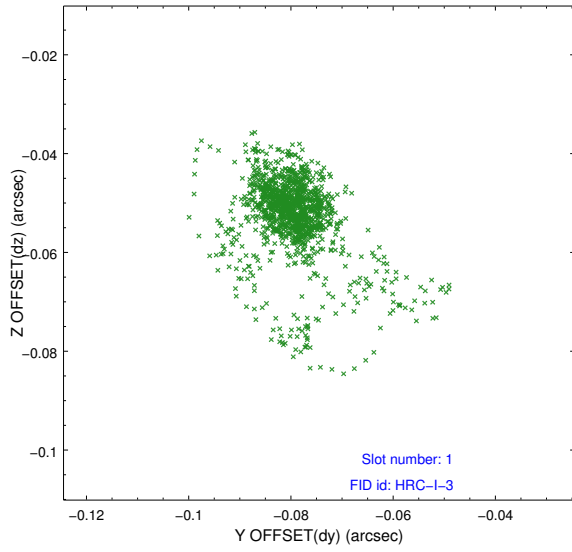


## 2.5 FID Slots

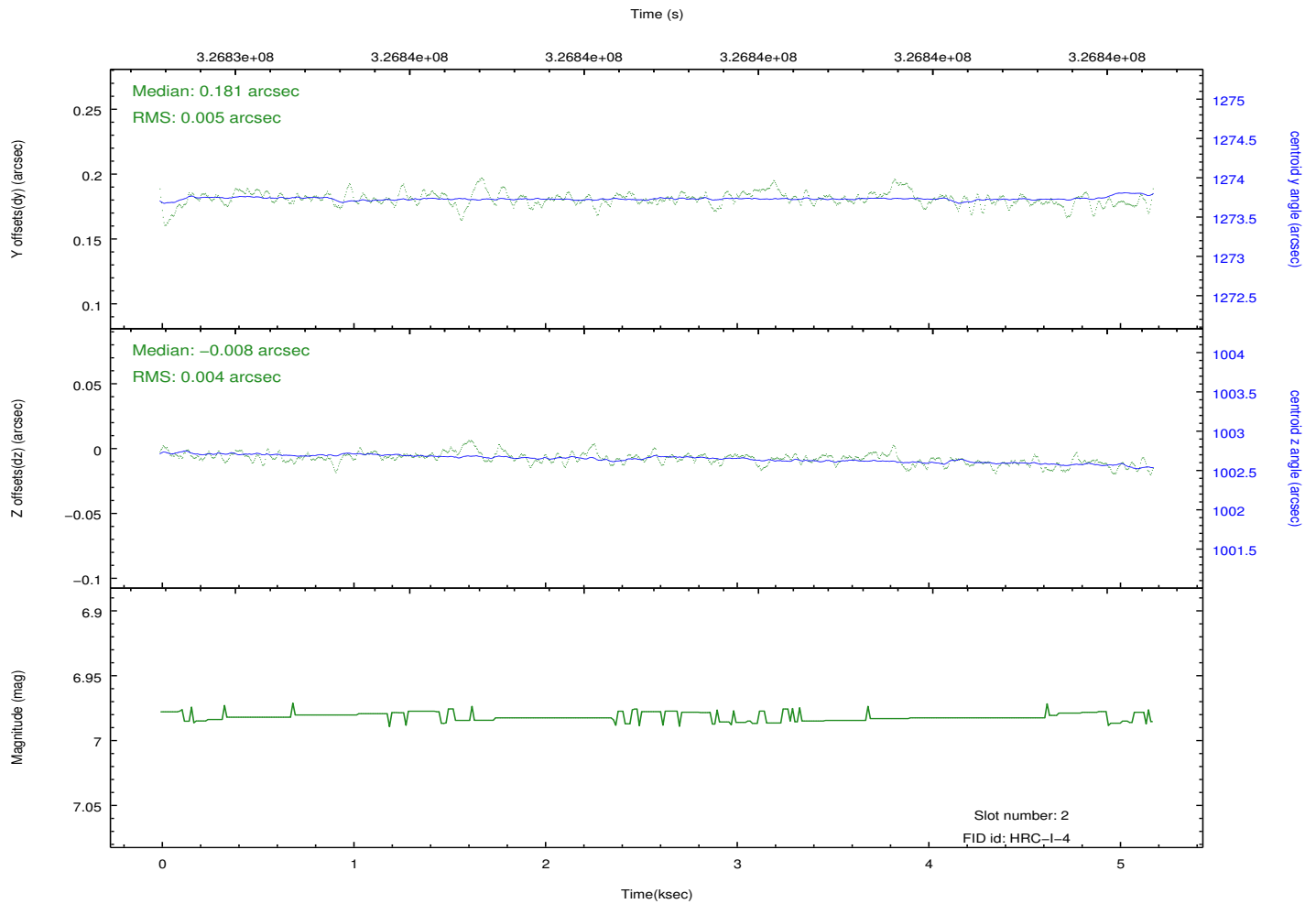
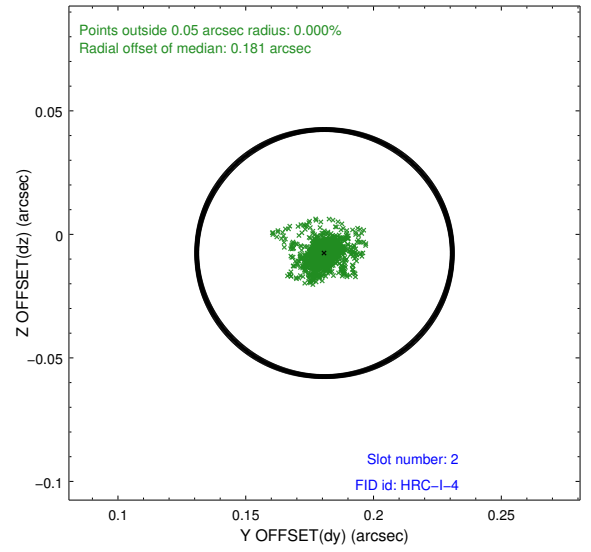
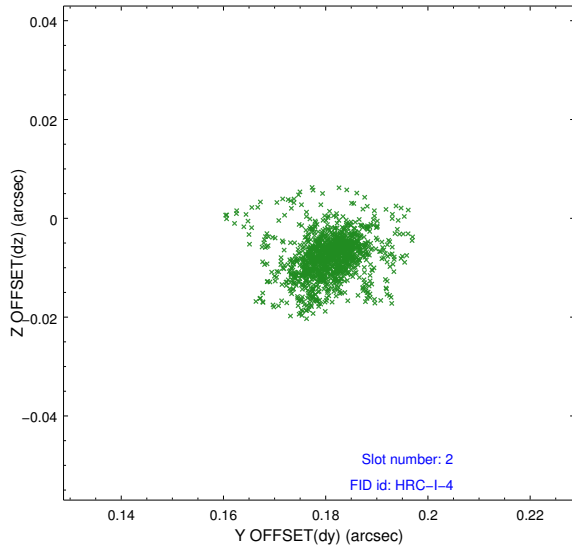
### 2.5.1 Slot 0



## 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	5.18342525

## A.2 Comments

Joint proposal with XMM.