

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8340 - L2 Version 3  
Chandra X-Ray Center

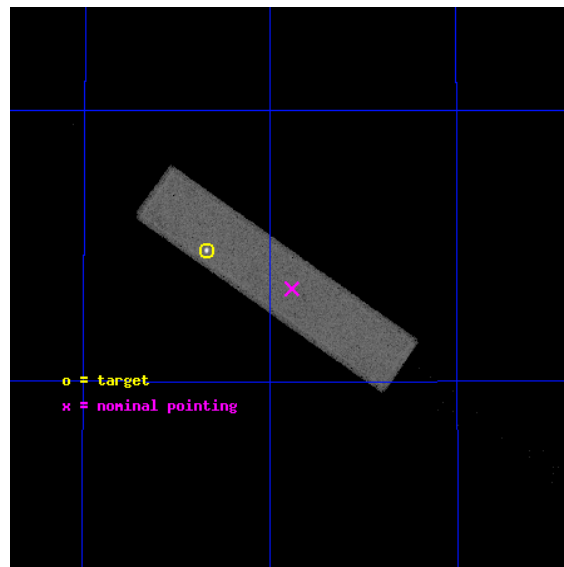
L2 Processing Date : Aug 12 2012

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# 1 Front

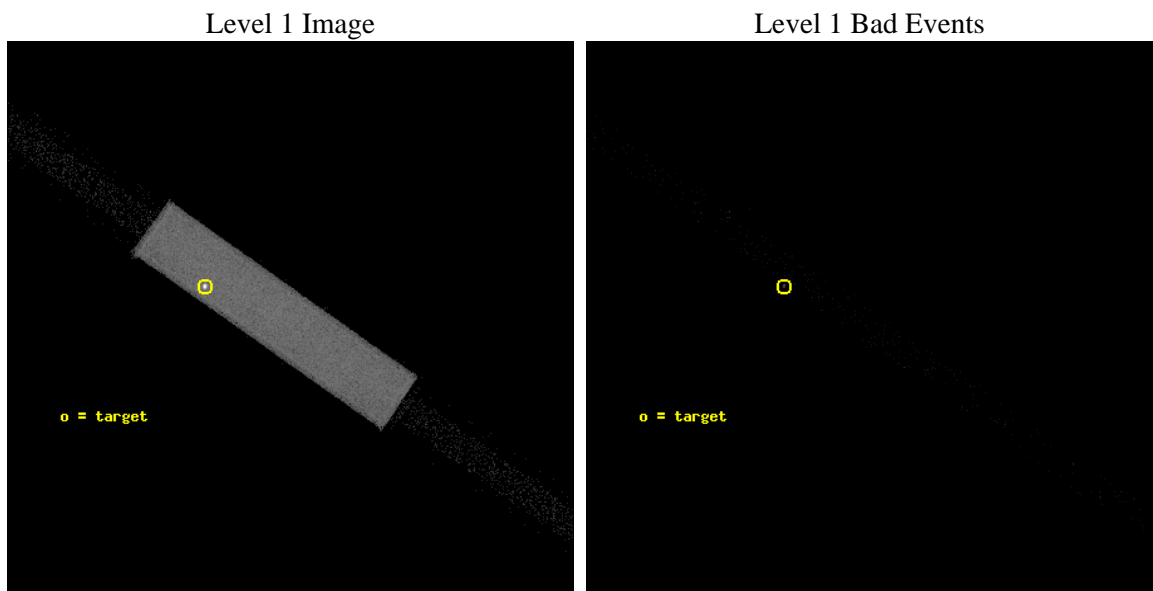
seq_num	290719	Sequence number
obs_id	8340	Observation id
title	AO8 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.9414895773	Nominal RA [deg]
dec_nom	45.671603114175	Nominal Dec [deg]
roll_nom	214.94315963245	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1558.2563250661	[s]
livetime	1534.4440596557	Ontime multiplied by DTCOR
l2events	115818	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	999.662000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1558.2563250661	[s]
caldsver	4.5.1.1	&#160	l1events	155506	Number of level 1 events
date	2012-08-12T04:29:47	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

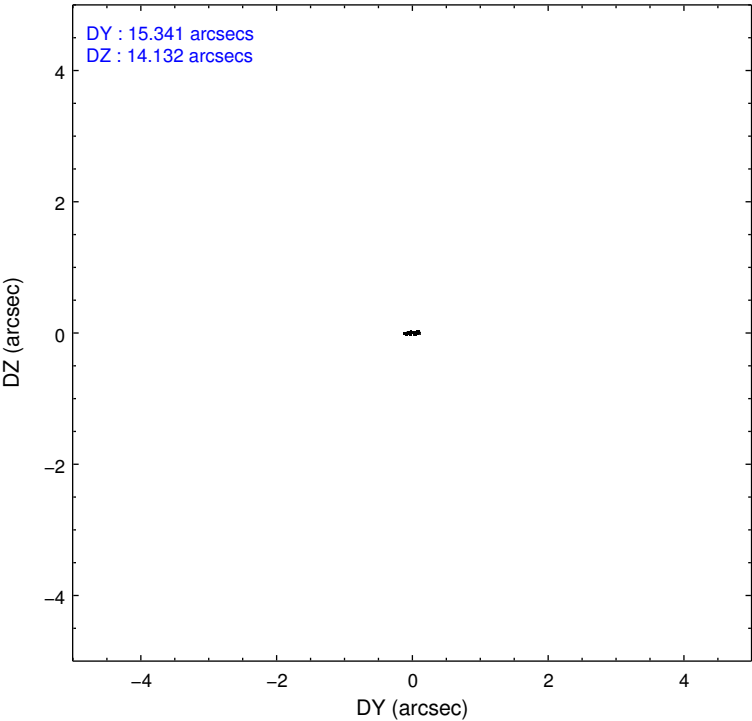
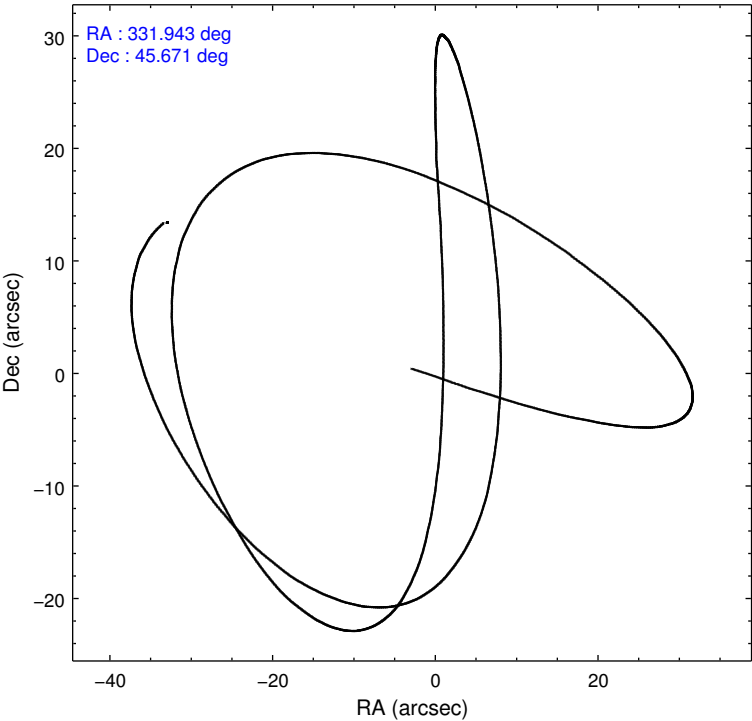
	segment 1	segment 2	segment 3
level 1 events	1276	153091	1139
rejected events	1275	17959	1103
rejected %	99%	11%	96%

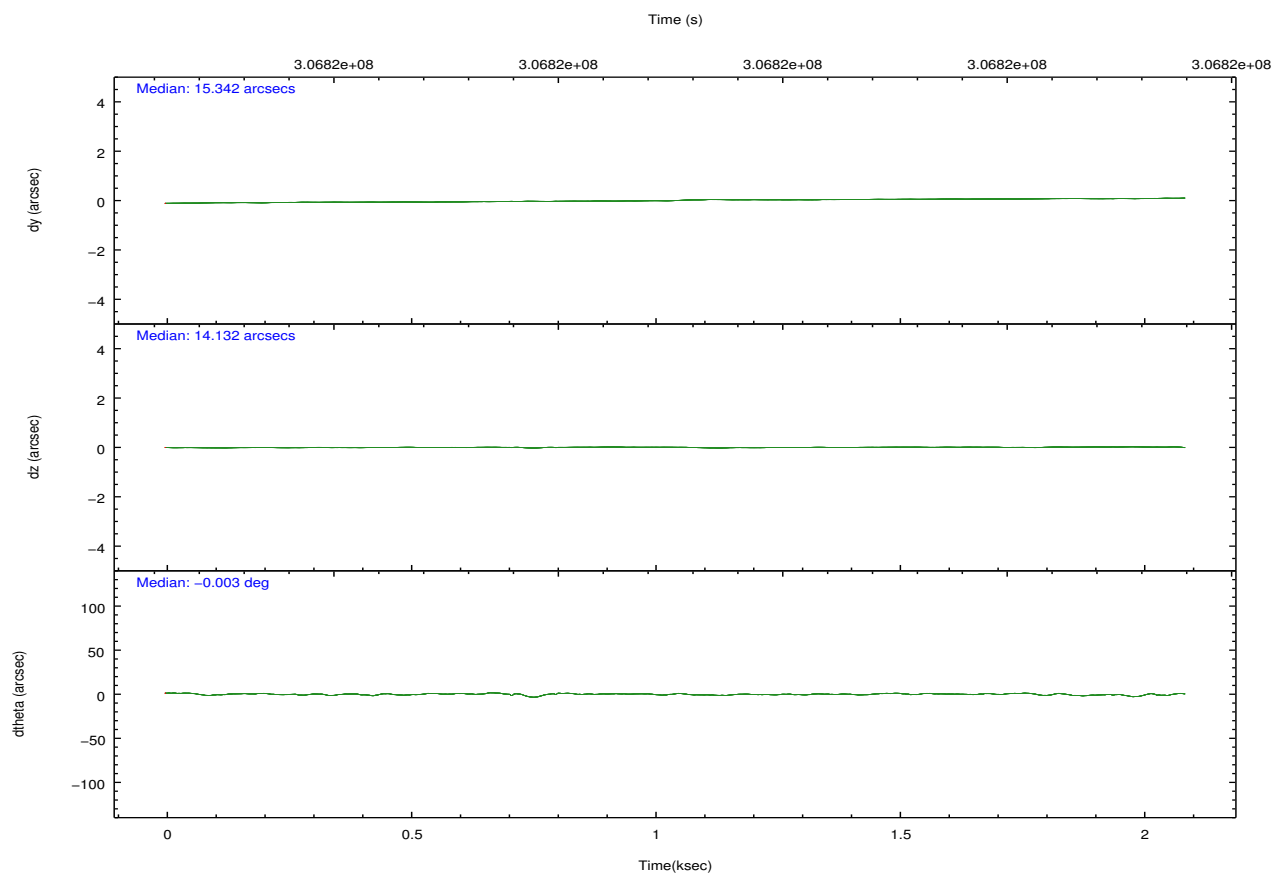
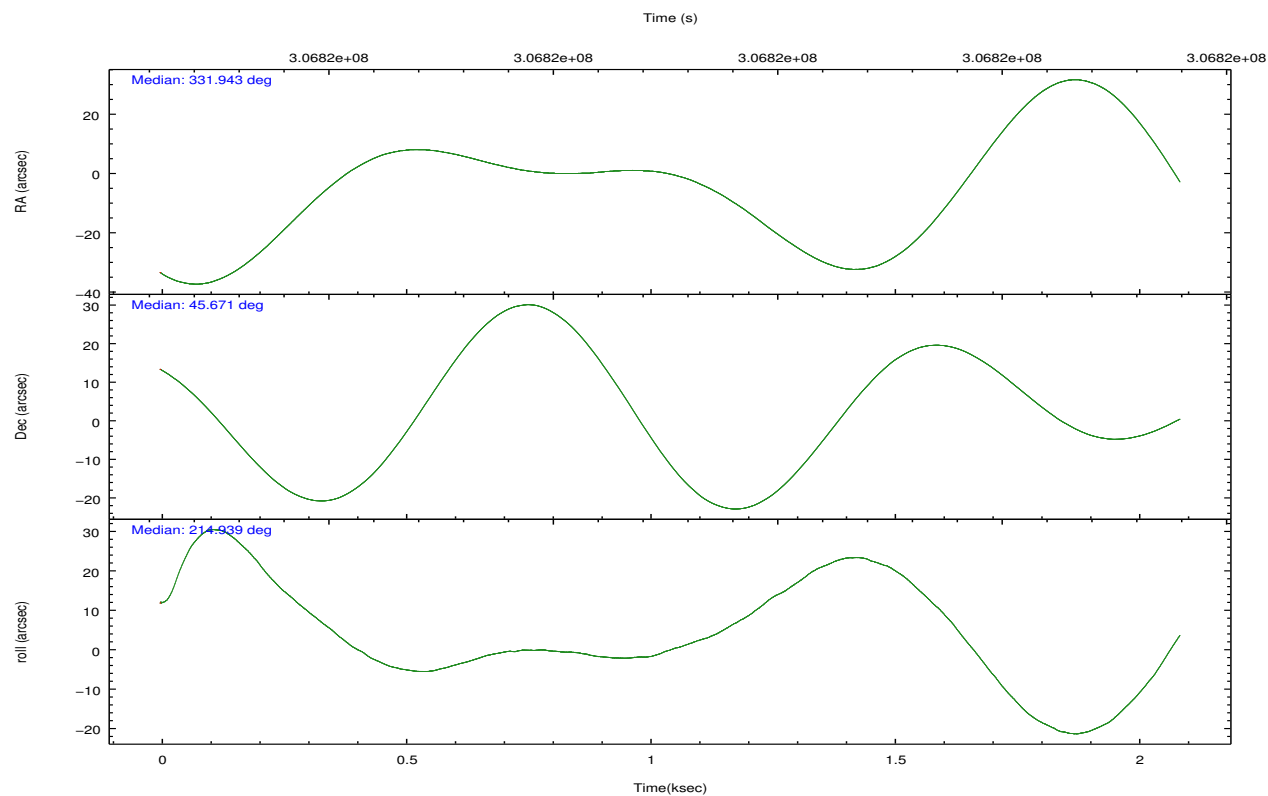
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	331.956647	331.9414895772981
[deg] Pointing Dec	45.698485	45.67160311417501
[deg] Pointing Roll	214.865069	214.943159632445
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	306814903.184000	306814527.40698
Observation start date	2007-09-22T02:20:38	2007-09-22T02:15:27
[s] Observation end time (MET)	306815903.184000	306817509.13212
Observation end date	2007-09-22T02:37:18	2007-09-22T03:05:09

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect





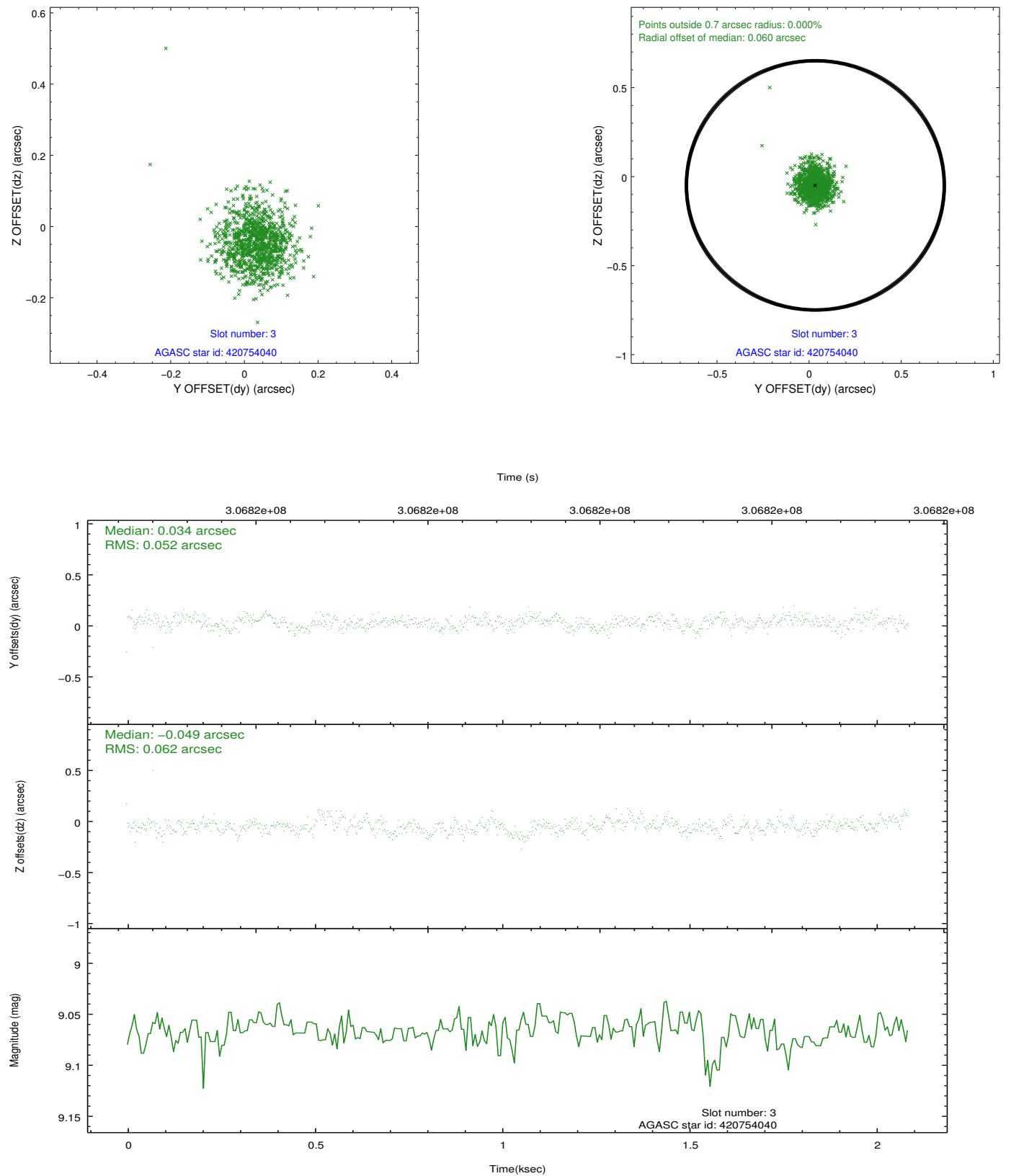
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	510	0.089	-0.217	0.007	0.015	0.000000	0.000000	-1169.74	-463.01
1	FID	HRC-S-2	7.05	510	0.193	-0.110	0.007	0.014	0.000000	0.000000	1227.73	-456.46
2	FID	HRC-S-3	7.06	510	0.108	0.024	0.008	0.021	0.000000	0.000000	-1170.03	565.86
3	GUIDE	420754040	9.07	1019	0.034	-0.049	0.083	0.138	331.917939	44.882543	1759.68	2352.77
4	GUIDE	472523760	8.23	1018	0.086	-0.101	0.067	0.107	331.645363	45.403260	1254.55	422.00
5	GUIDE	472527720	7.00	1018	-0.181	0.062	0.079	0.148	331.460205	45.112509	2240.00	1006.04
6	GUIDE	472533912	9.14	1018	0.029	0.138	0.127	0.205	331.791136	46.368695	-1039.39	-2215.27
7	GUIDE	472655152	9.41	1017	0.027	-0.054	0.117	0.196	332.504239	45.862991	-1468.17	291.48

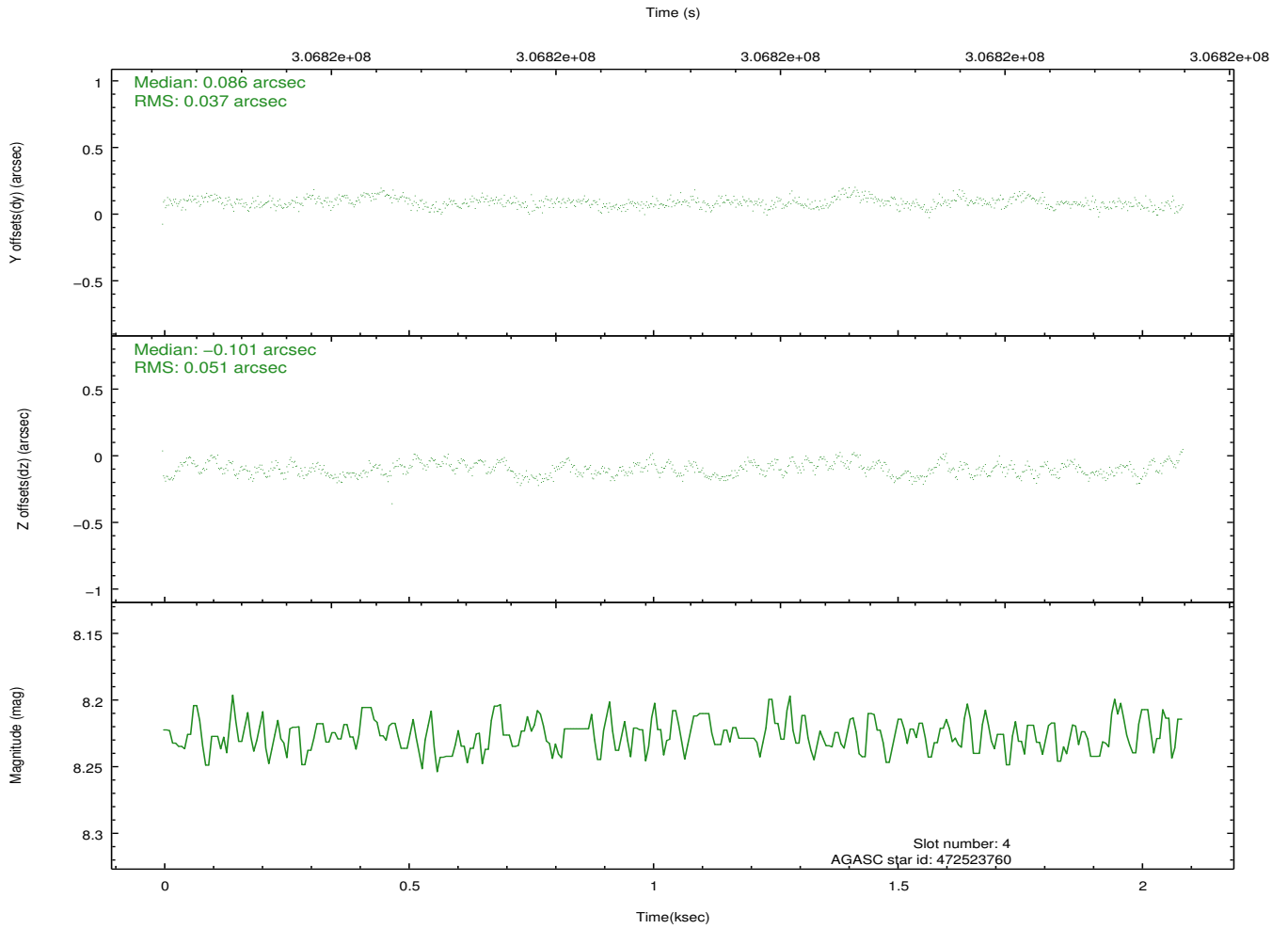
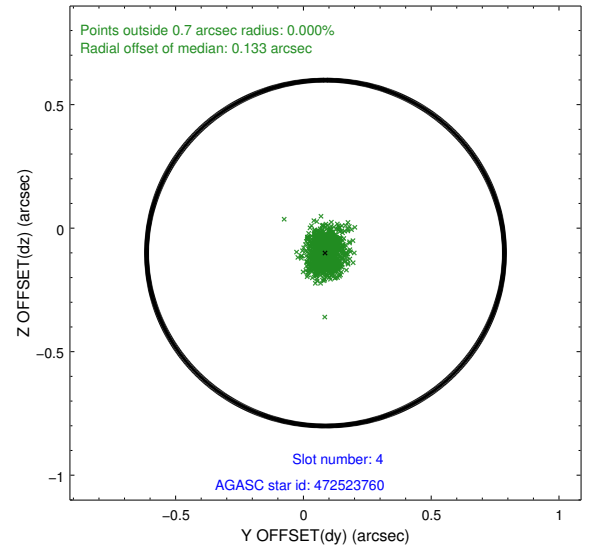
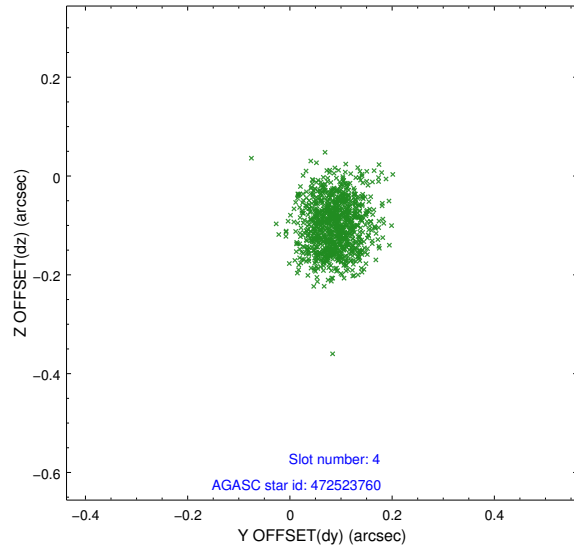


## 2.4 Star Slots

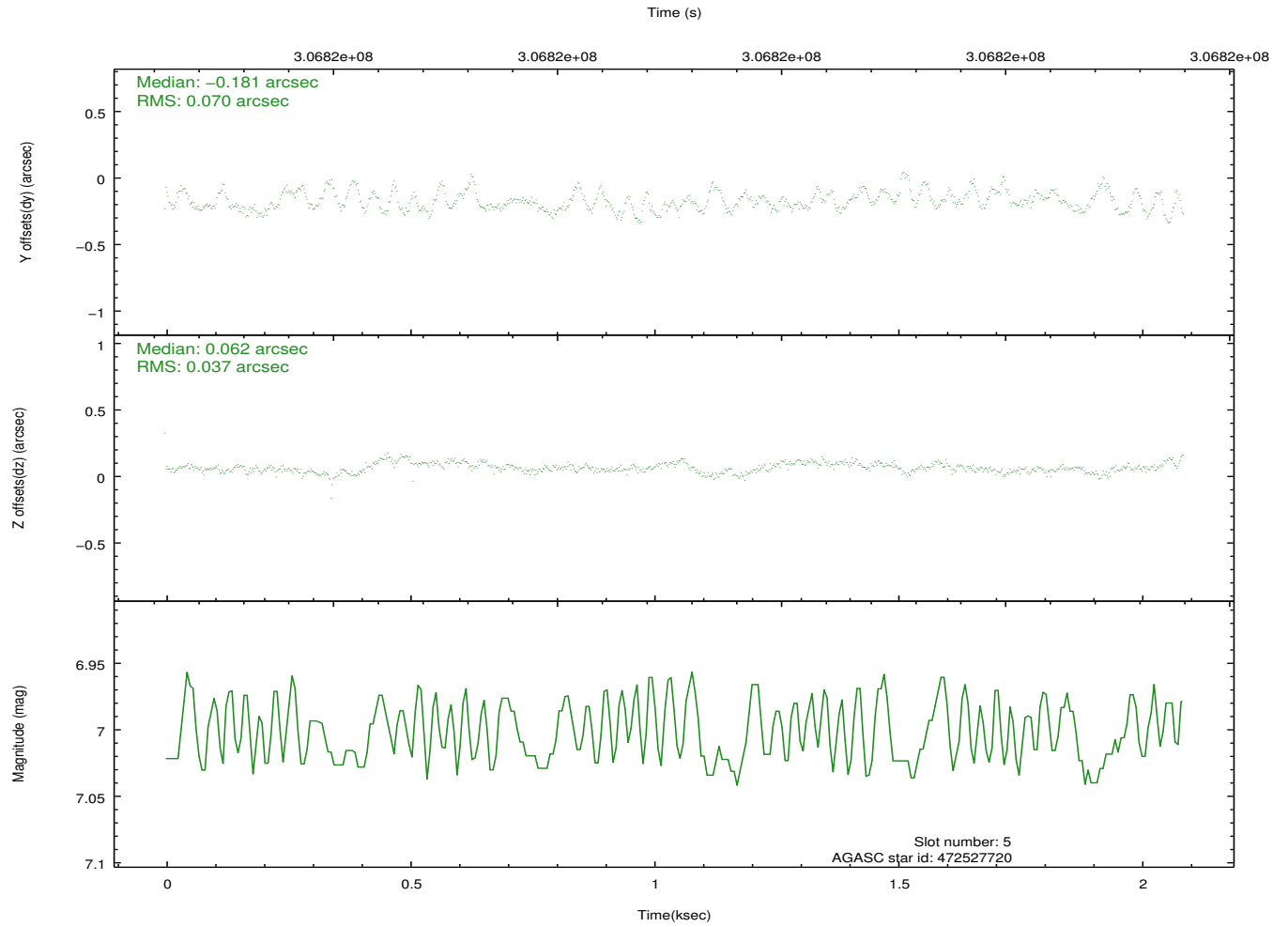
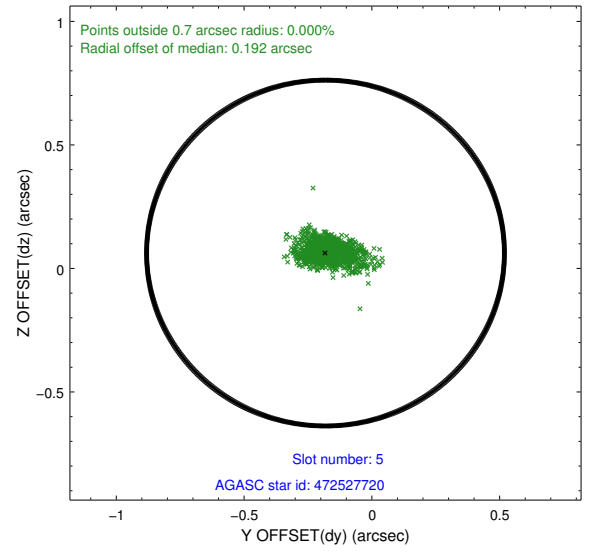
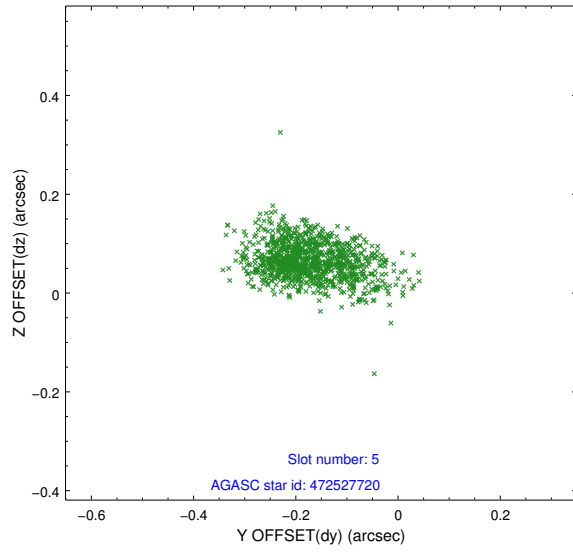
### 2.4.1 Slot 3



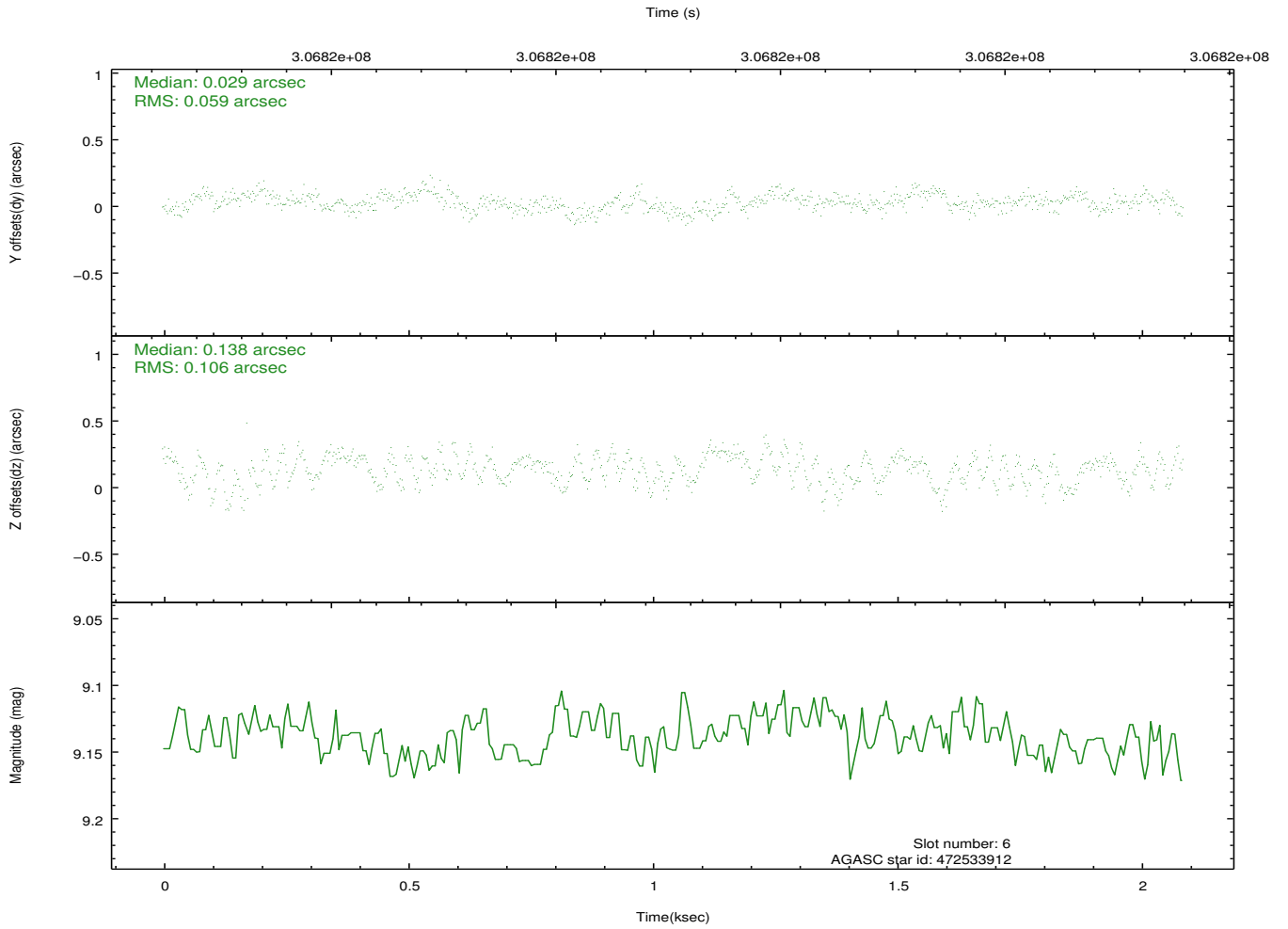
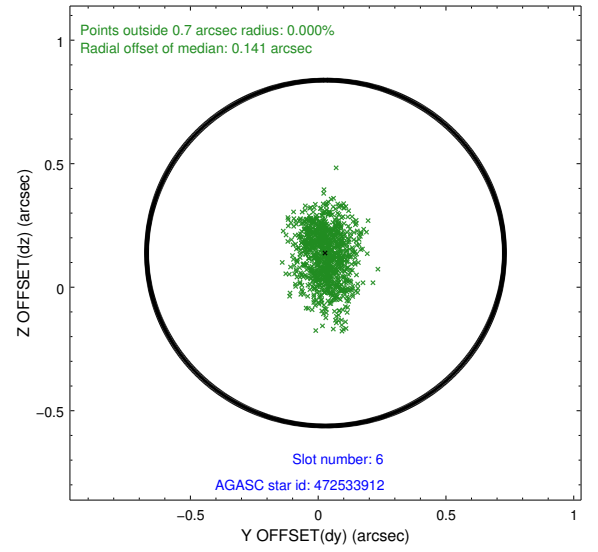
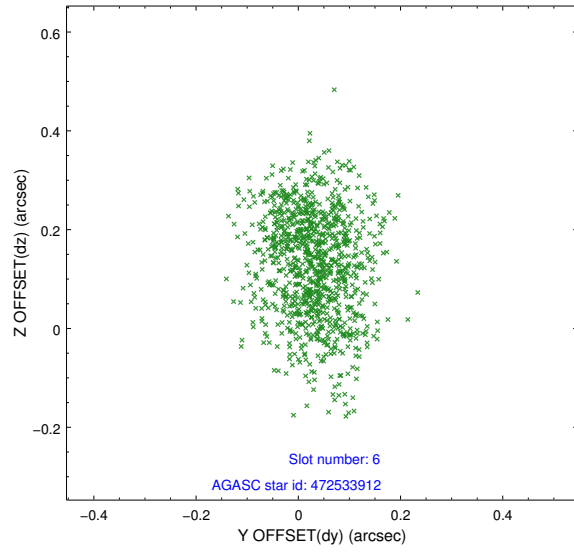
## 2.4.2 Slot 4



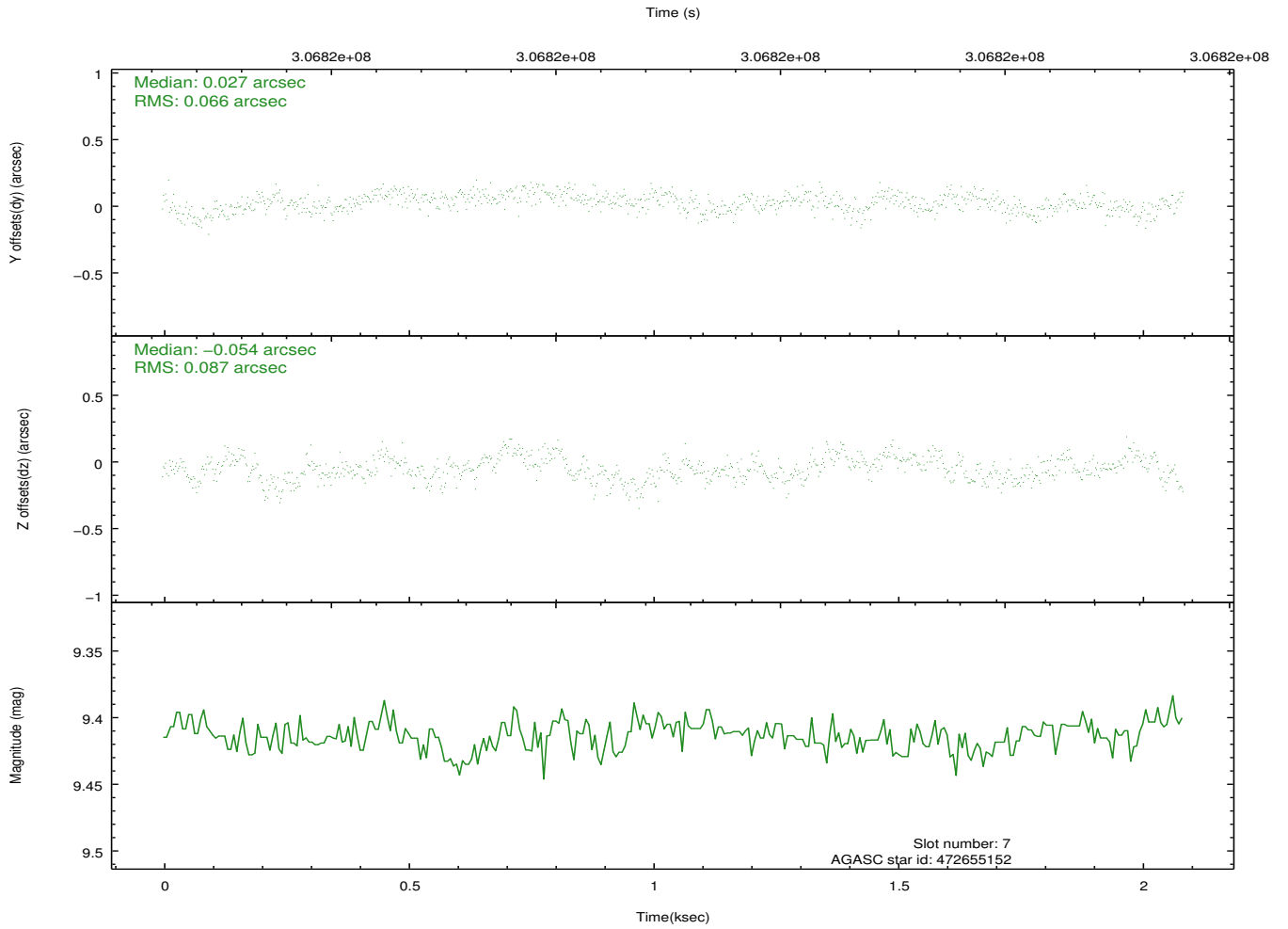
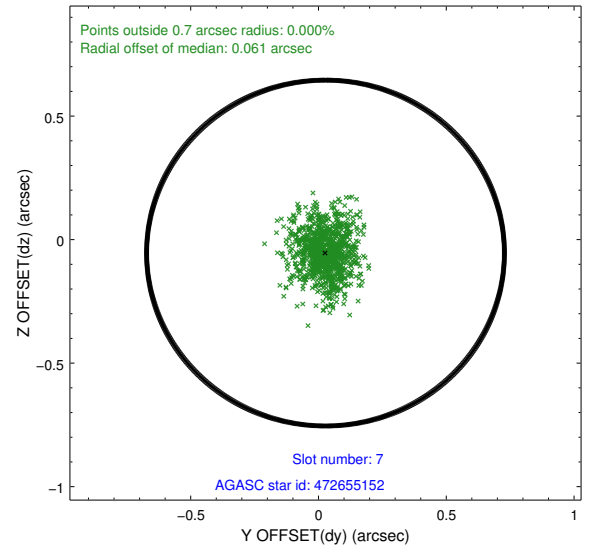
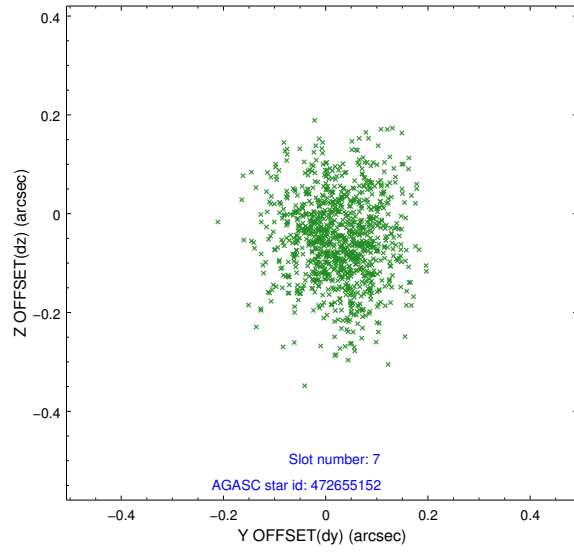
### 2.4.3 Slot 5



## 2.4.4 Slot 6

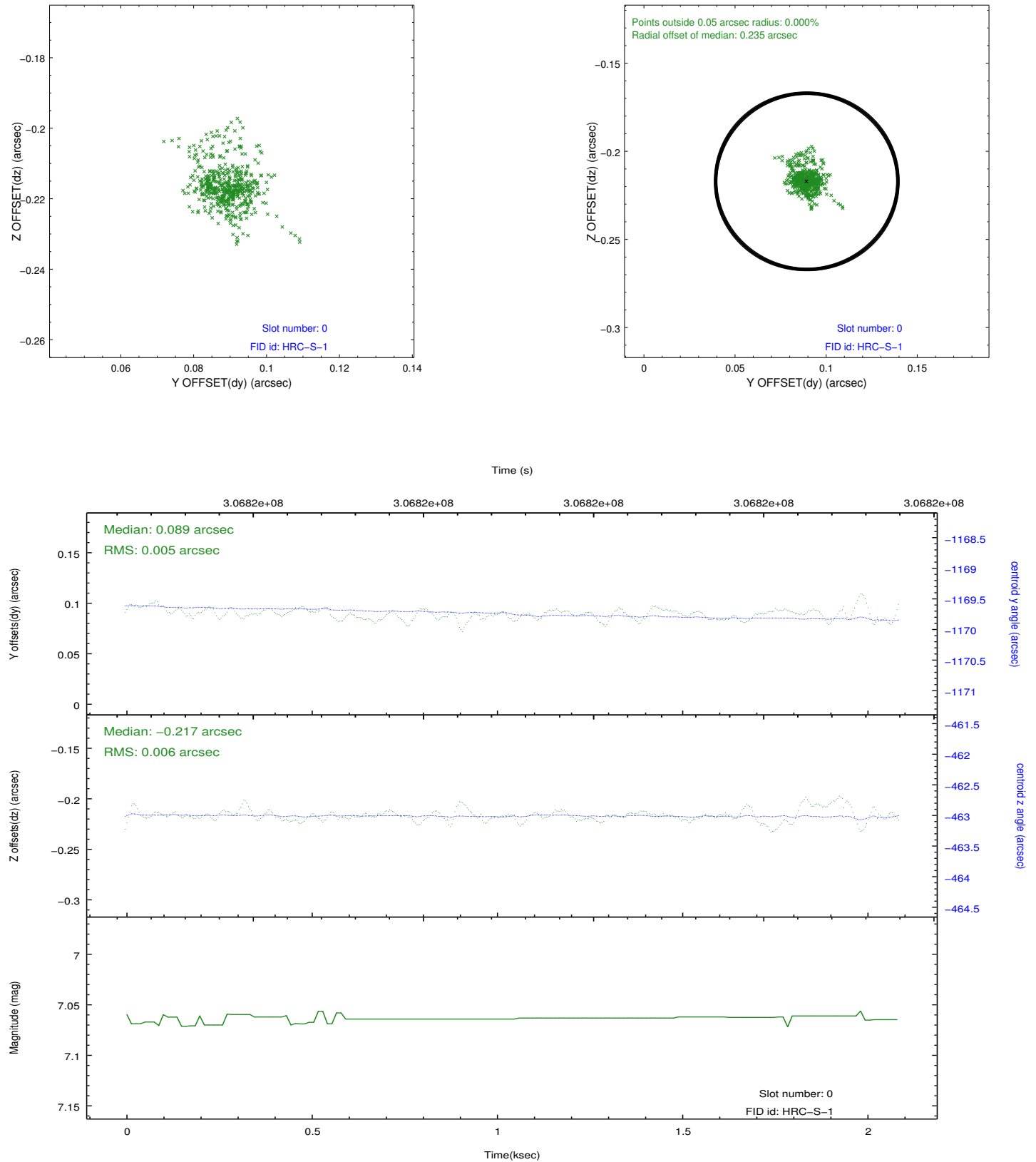


## 2.4.5 Slot 7

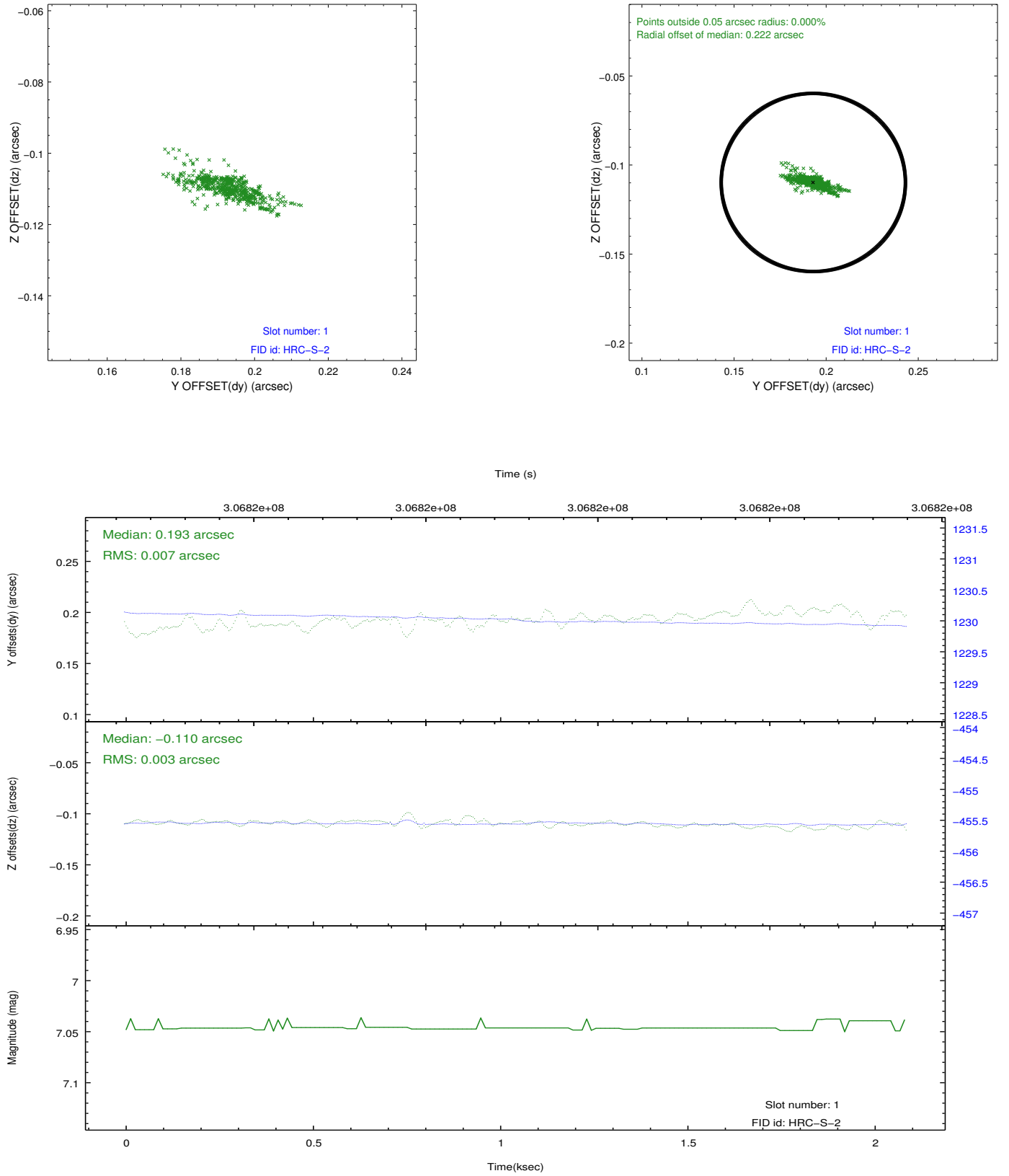


## 2.5 FID Slots

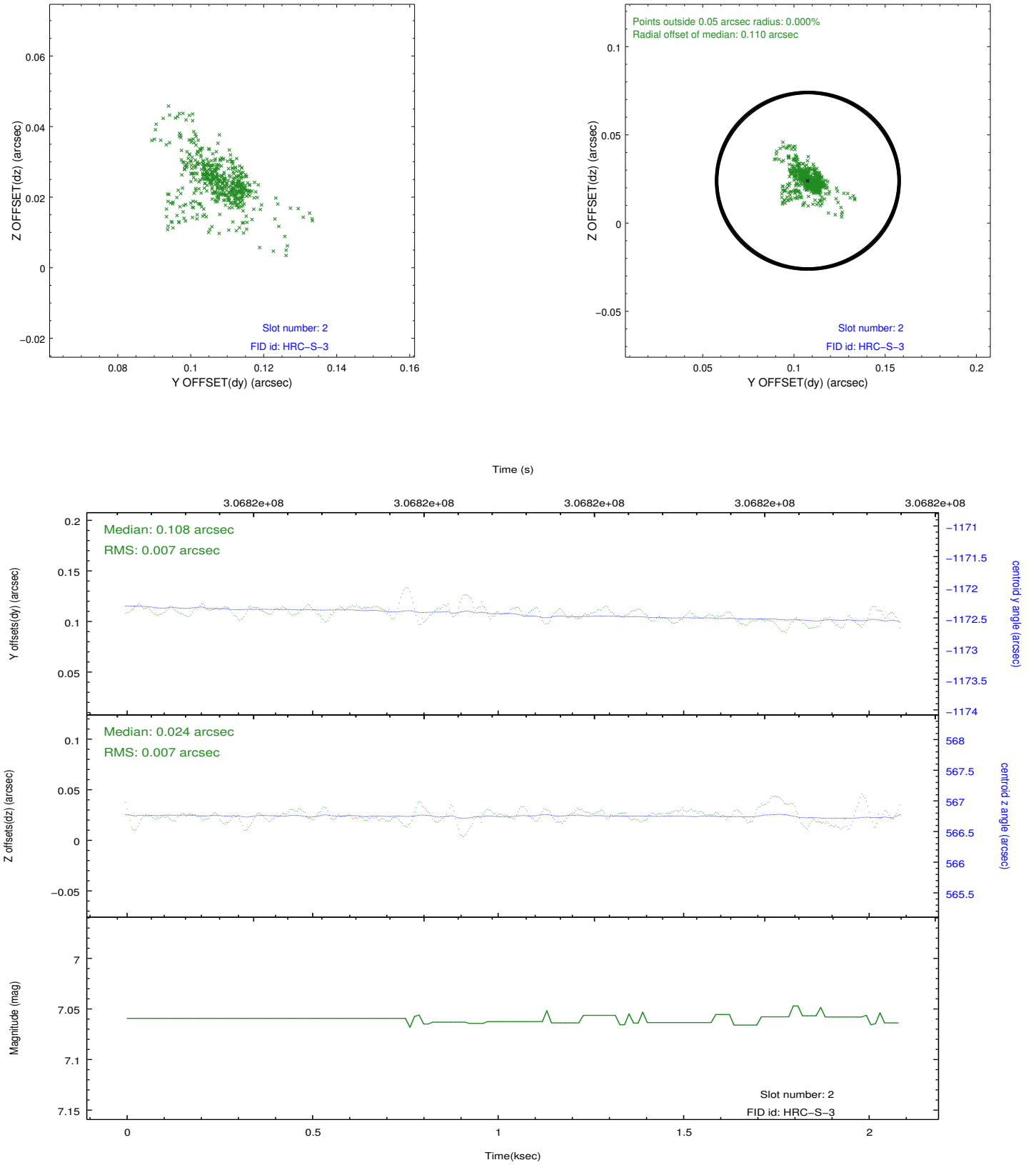
### 2.5.1 Slot 0



## 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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.55825632

### A.2 Comments