

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9673 - L2 Version 3  
Chandra X-Ray Center

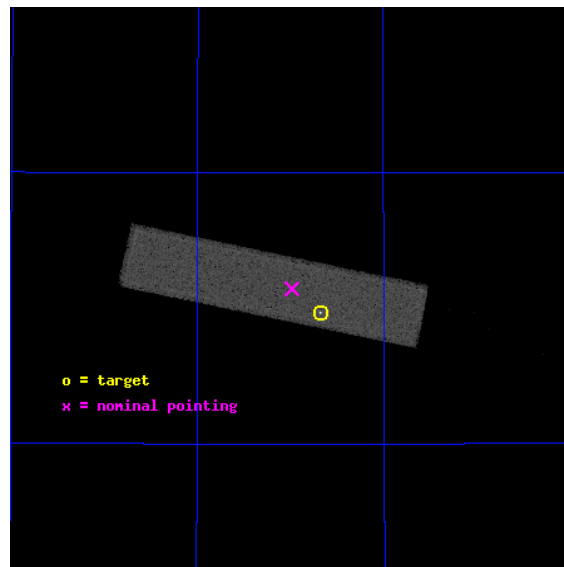
L2 Processing Date : Aug 12 2012

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# 1 Front

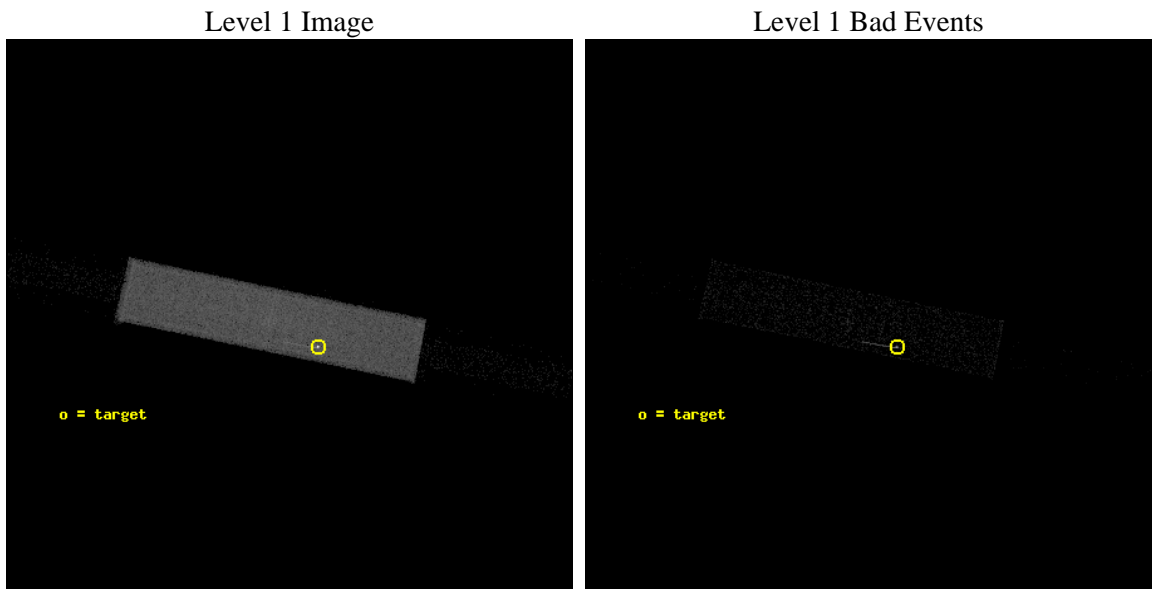
seq_num	290796	Sequence number
obs_id	9673	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24615496389	Nominal RA [deg]
dec_nom	45.786623918707	Nominal Dec [deg]
roll_nom	191.54971654584	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1339.9313158393	[s]
livetime	1328.0021191346	Ontime multiplied by DTCOR
l2events	85279	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	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1339.9313158393	[s]
caldsver	4.5.1.1	&#160	l1events	129900	Number of level 1 events
date	2012-08-12T18:06:47	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

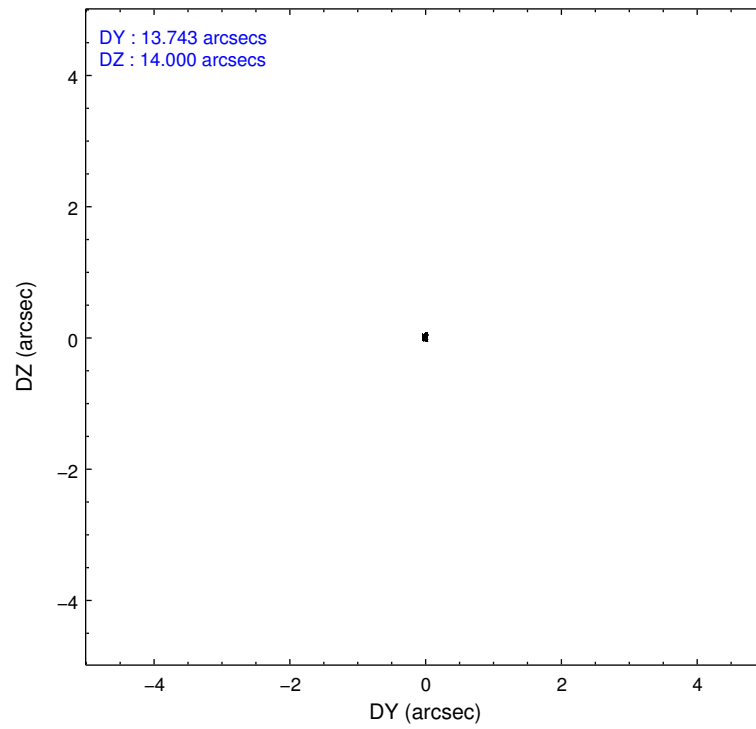
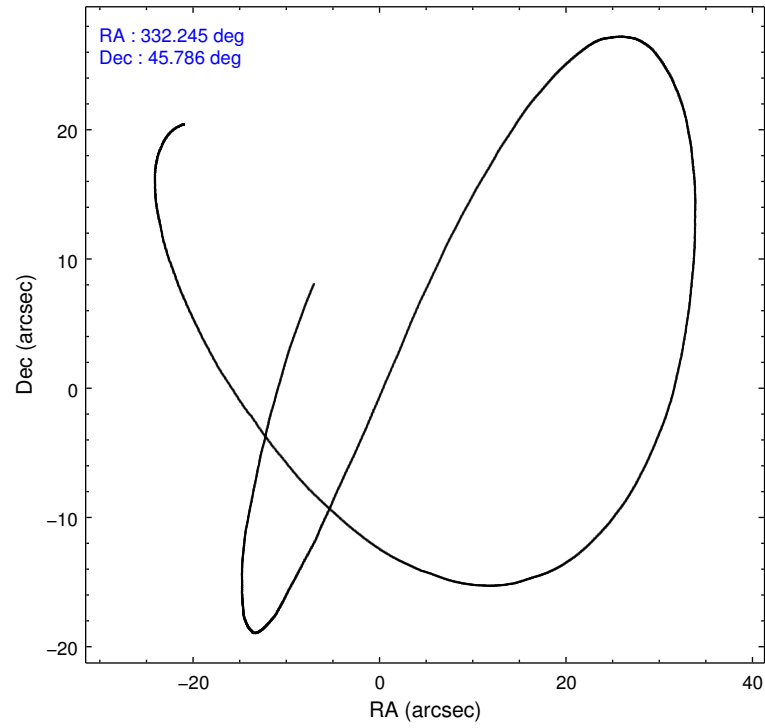
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1001	127989	910
rejected events	1001	25667	881
rejected %	100%	20%	96%

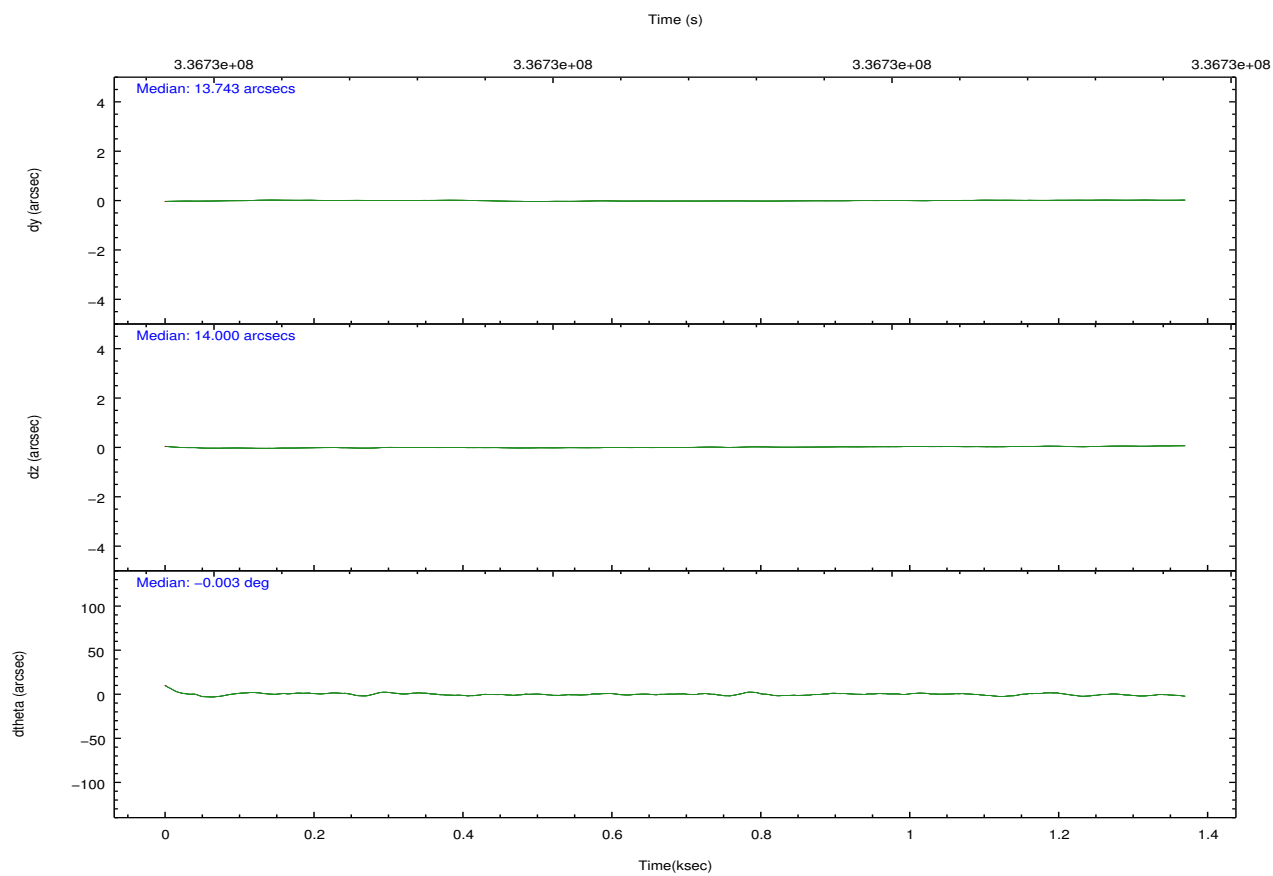
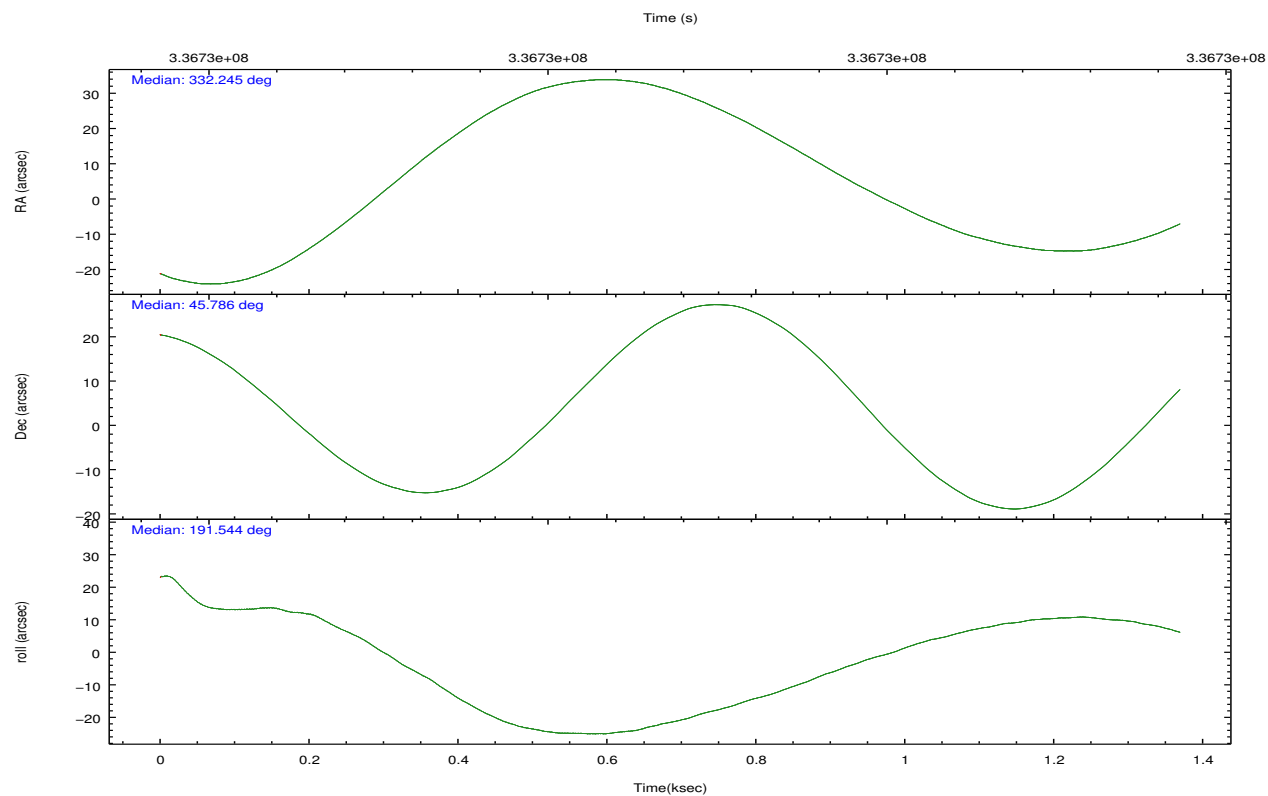
## 2.2 Compared Parameters

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	332.276825	332.246154963889
[deg] Pointing Dec	45.807463	45.78662391870711
[deg] Pointing Roll	191.460269	191.5497165458382
[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)	336733183.184000	336732807.24624
Observation start date	2008-09-02T08:58:38	2008-09-02T08:53:27
[s] Observation end time (MET)	336734363.184000	336734496.44632
Observation end date	2008-09-02T09:18:18	2008-09-02T09:21:36

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

## 2.3 Aspect





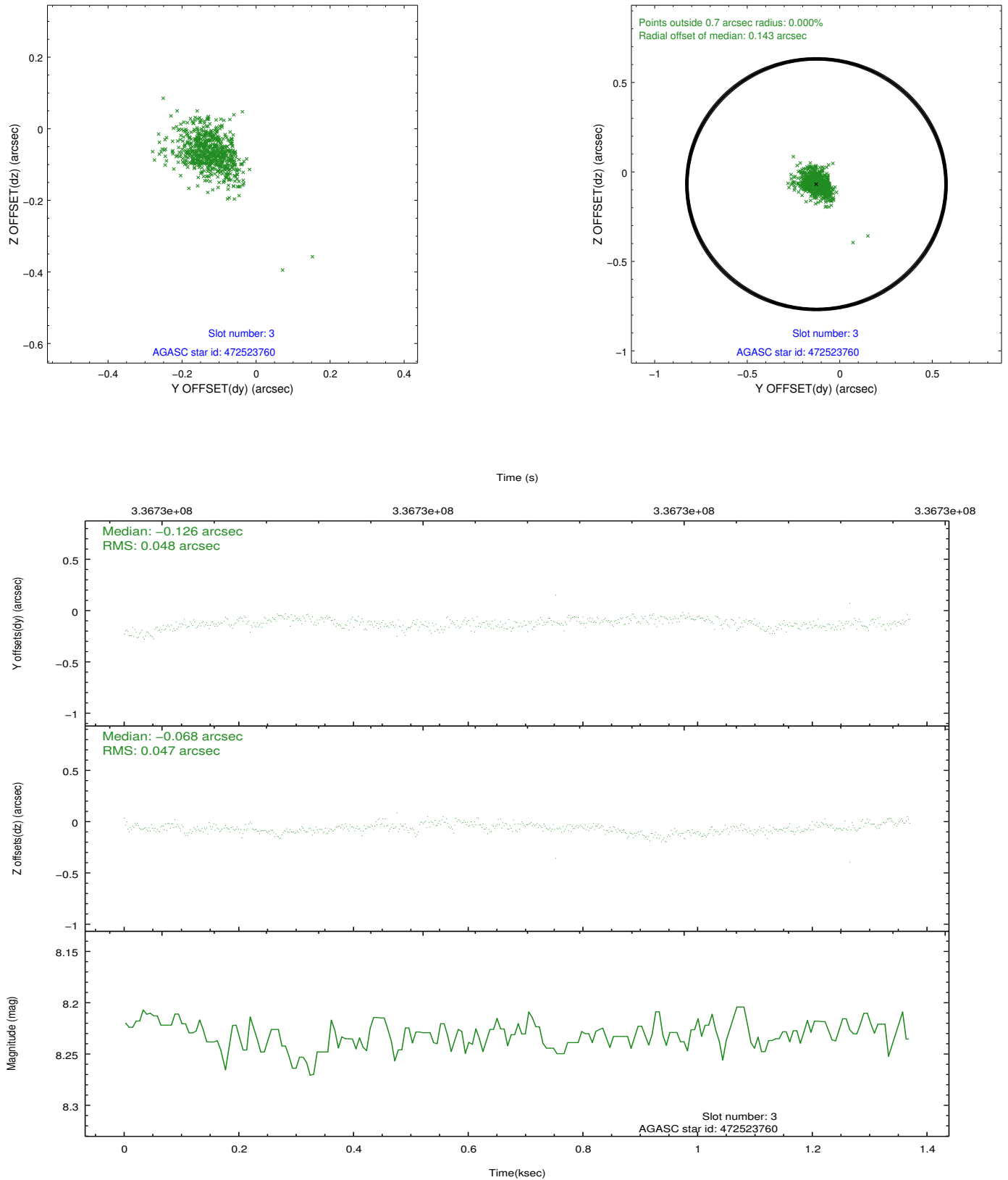
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	335	0.073	-0.203	0.007	0.012	0.000000	0.000000	-1168.11	-462.86
1	FID	HRC-S-3	7.01	335	0.072	-0.019	0.008	0.012	0.000000	0.000000	-1174.31	565.46
2	FID	HRC-S-4	6.95	335	0.243	-0.076	0.004	0.008	0.000000	0.000000	1226.80	571.02
3	GUIDE	472523760	8.23	668	-0.126	-0.068	0.065	0.117	331.645363	45.403260	1848.83	1101.18
4	GUIDE	472533912	9.15	669	-0.001	0.015	0.111	0.172	331.791136	46.368695	780.11	-2223.58
5	GUIDE	472535576	7.87	668	-0.149	0.039	0.070	0.110	331.438373	46.291802	1693.60	-2138.99
6	GUIDE	472655152	9.44	667	0.091	0.020	0.123	0.196	332.504239	45.862991	-599.17	-88.47
7	GUIDE	472665256	9.00	668	0.193	-0.014	0.096	0.160	332.808125	46.195041	-1579.46	-1110.92

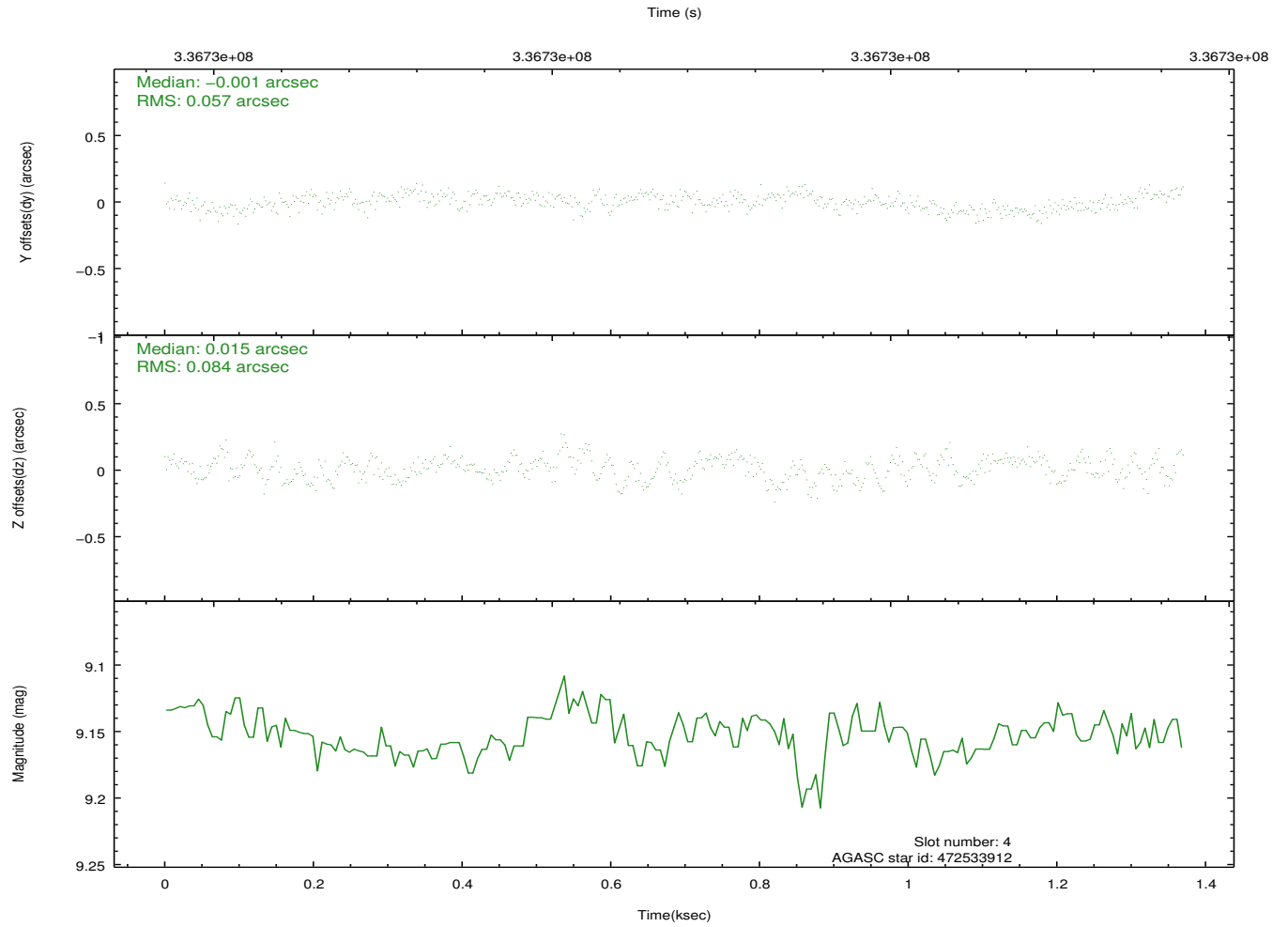
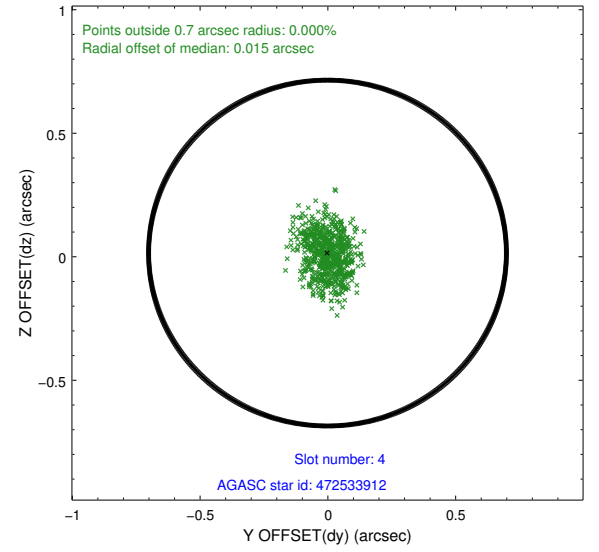
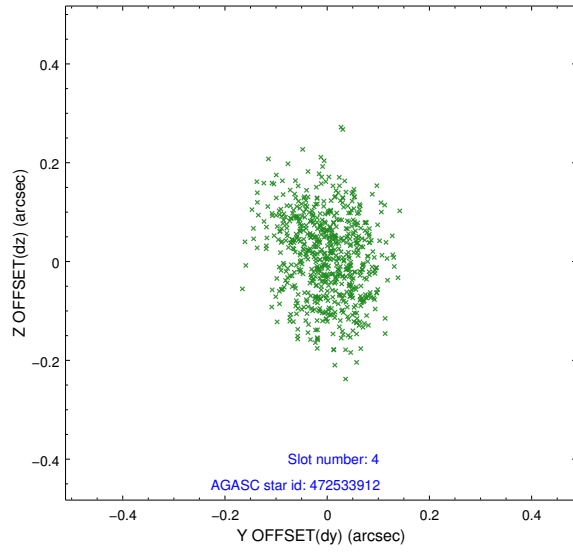


## 2.4 Star Slots

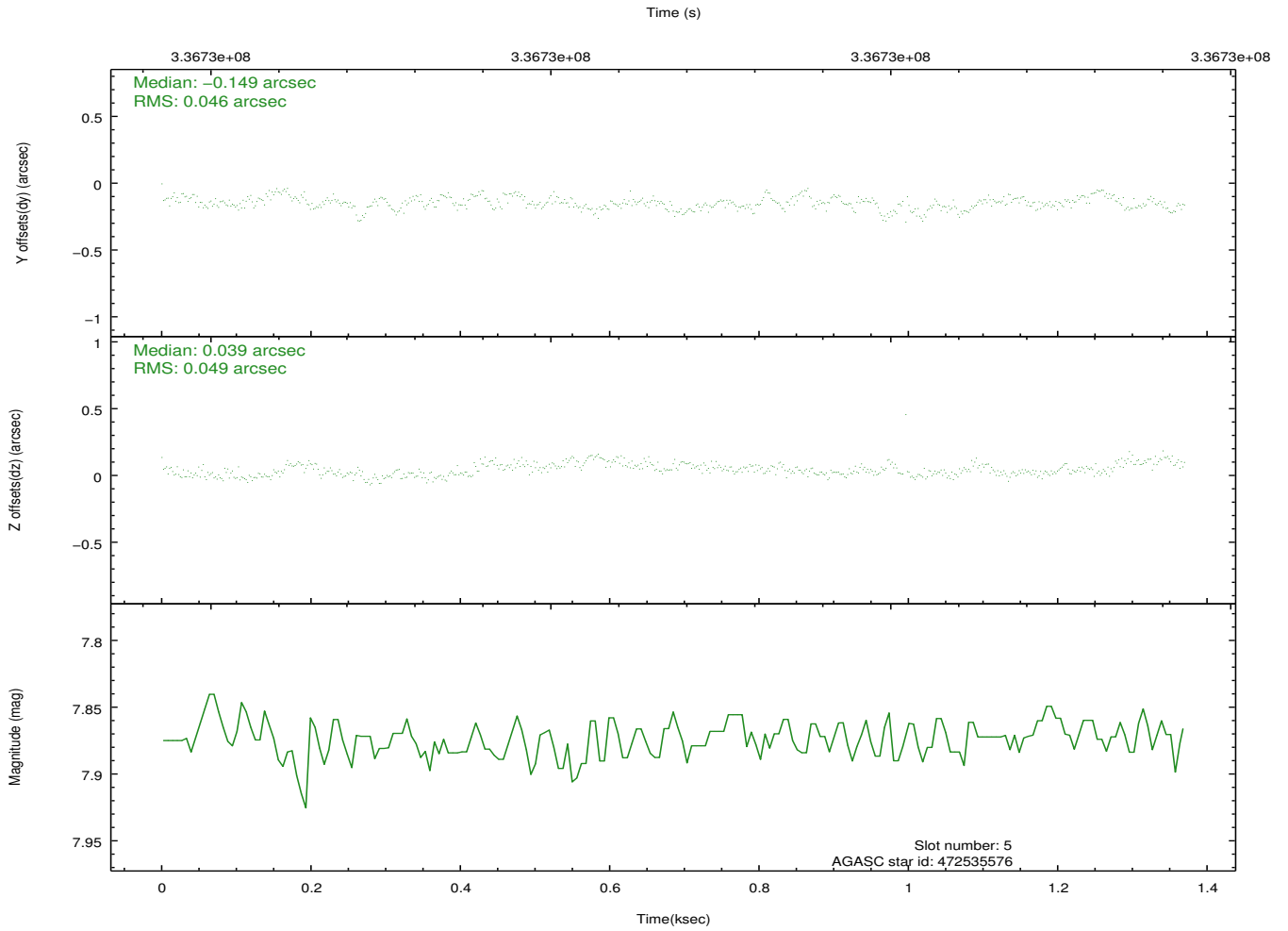
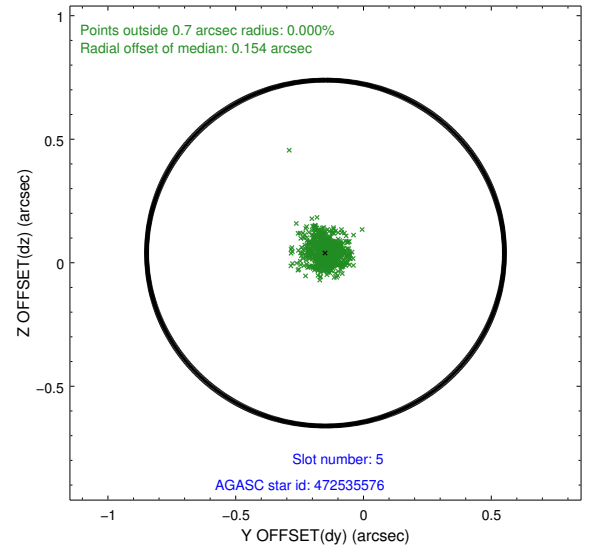
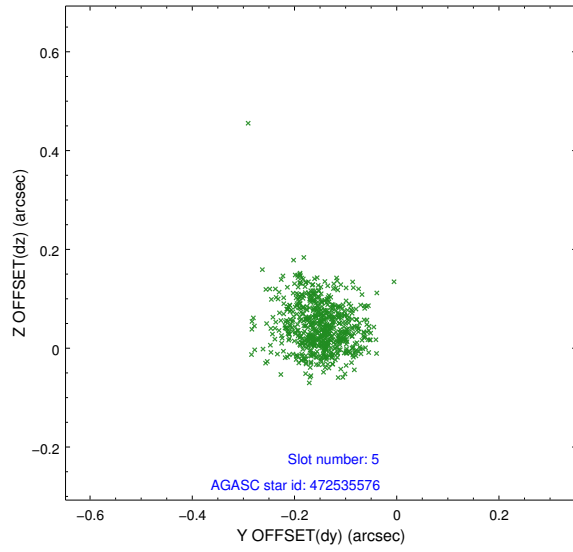
### 2.4.1 Slot 3



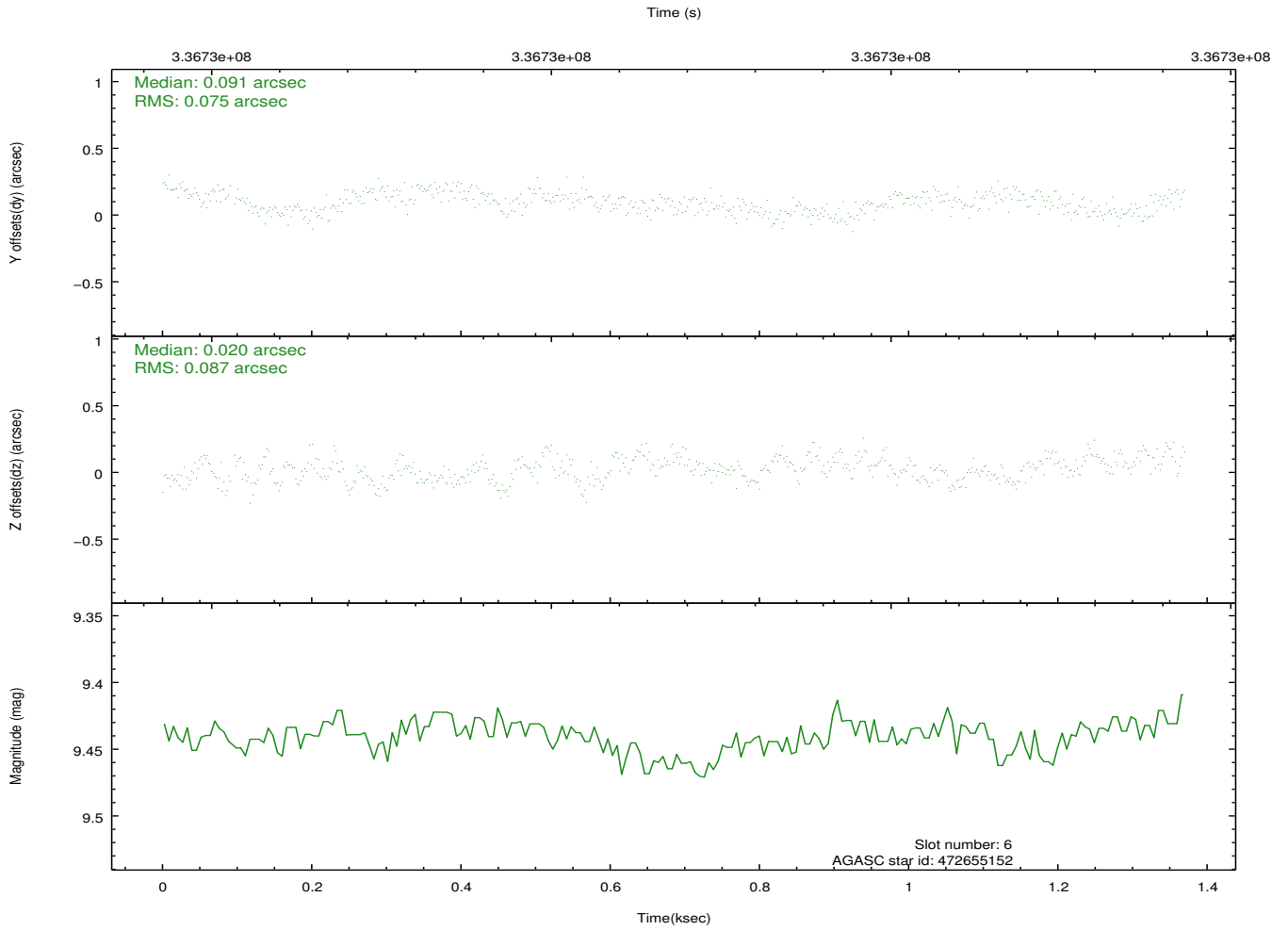
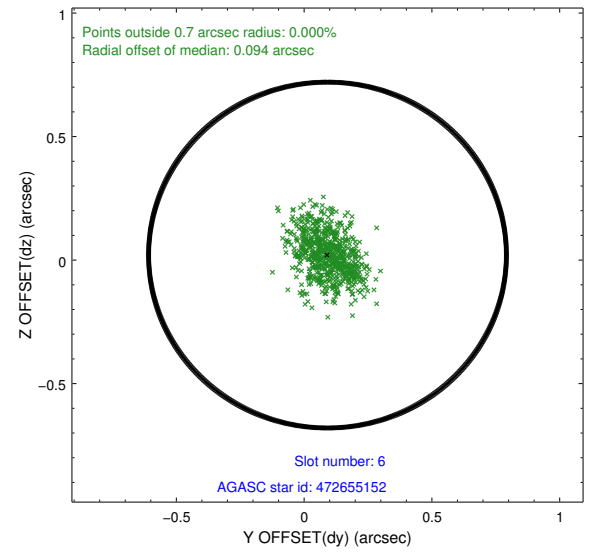
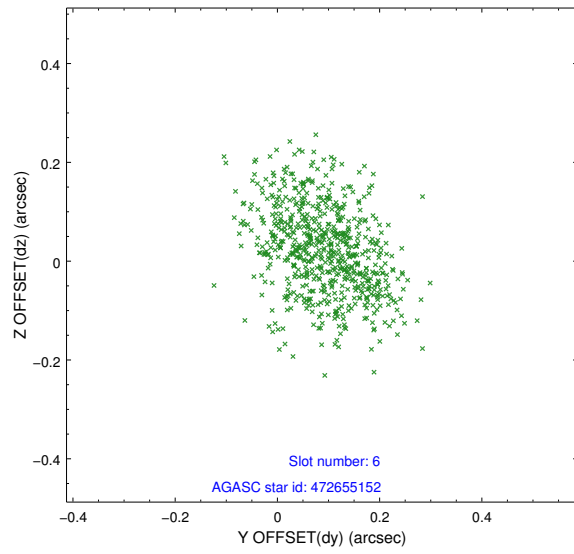
## 2.4.2 Slot 4



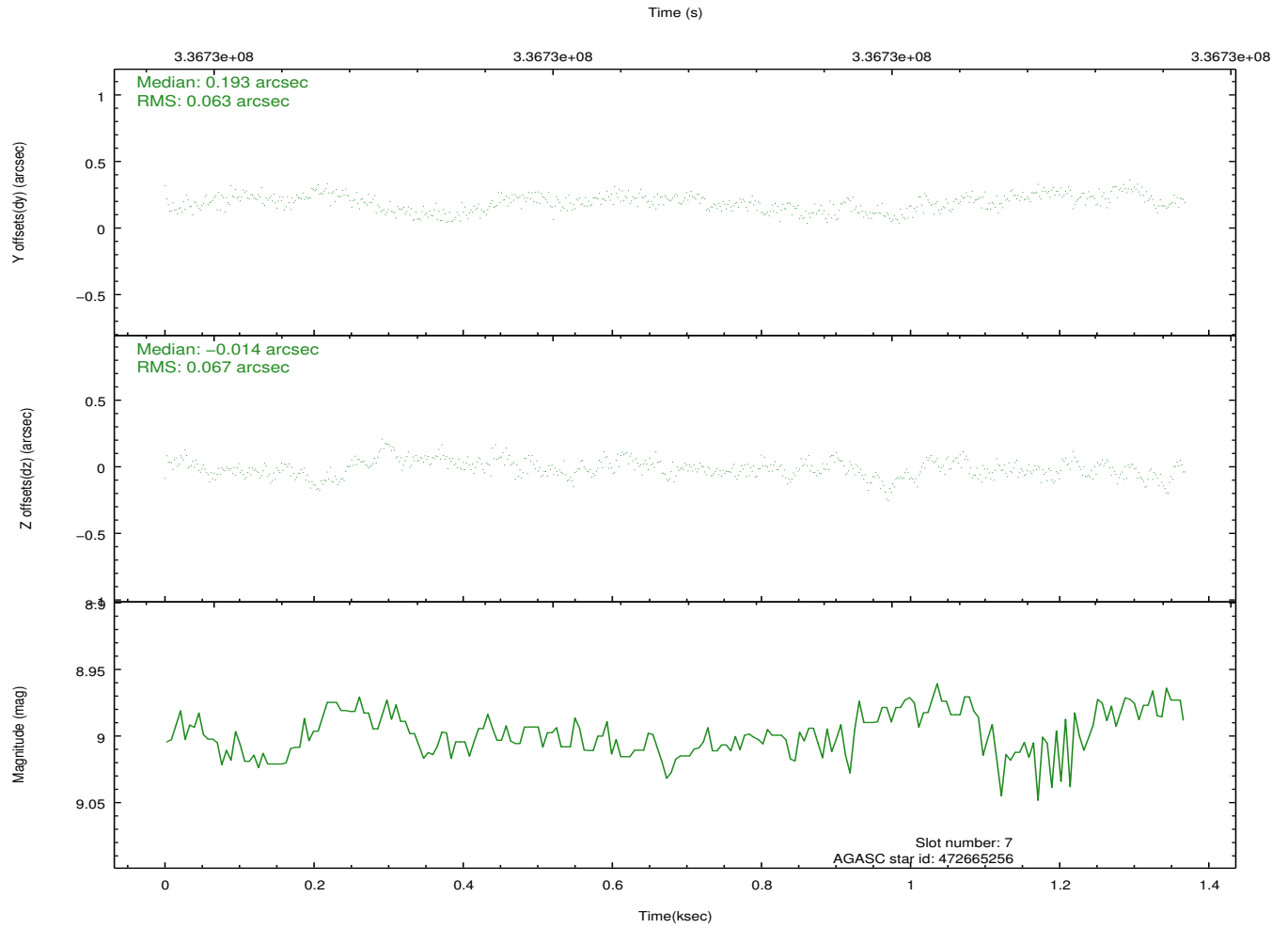
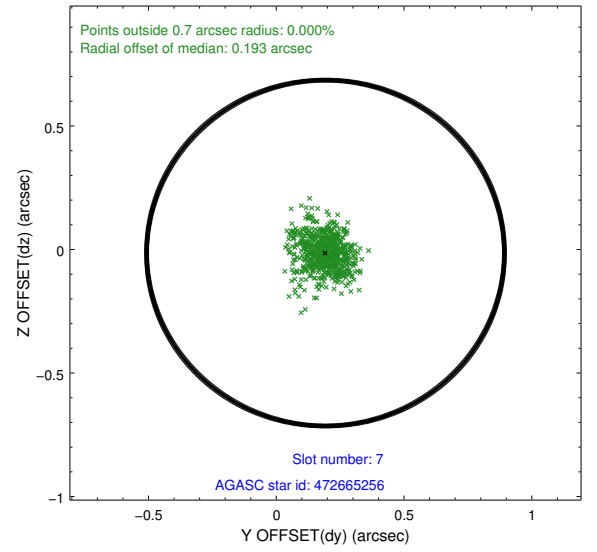
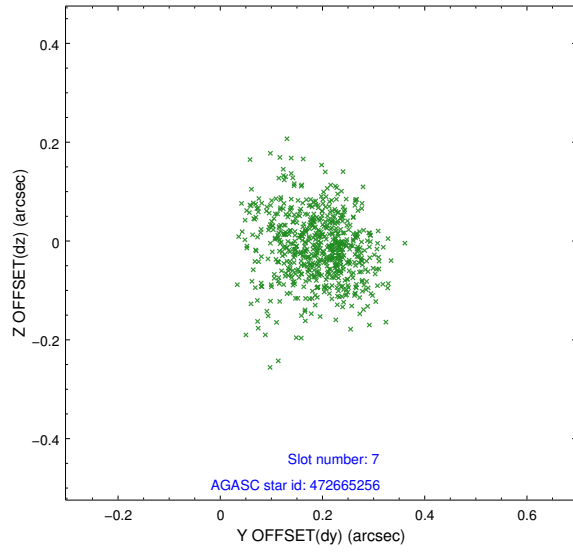
### 2.4.3 Slot 5



## 2.4.4 Slot 6

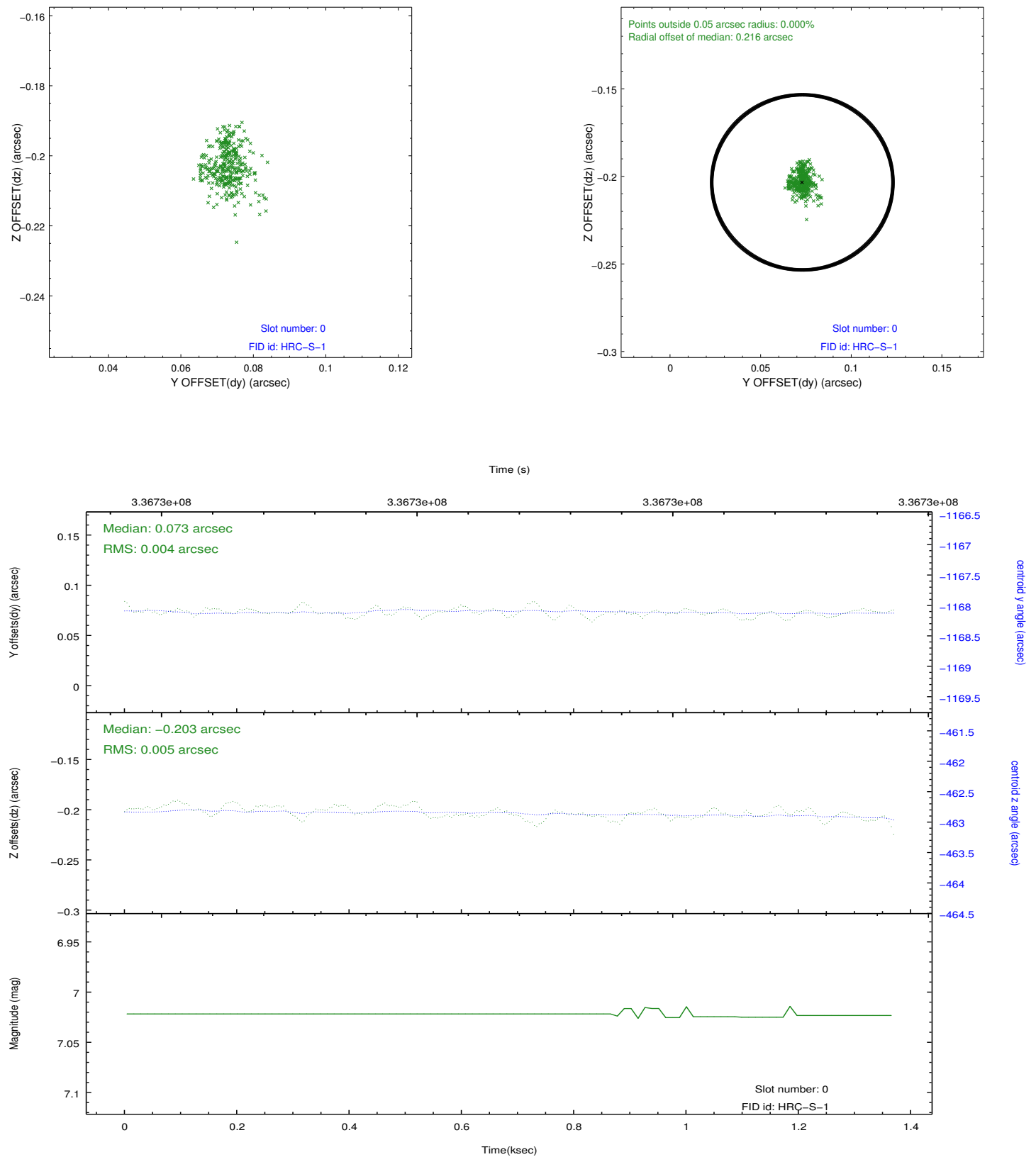


## 2.4.5 Slot 7

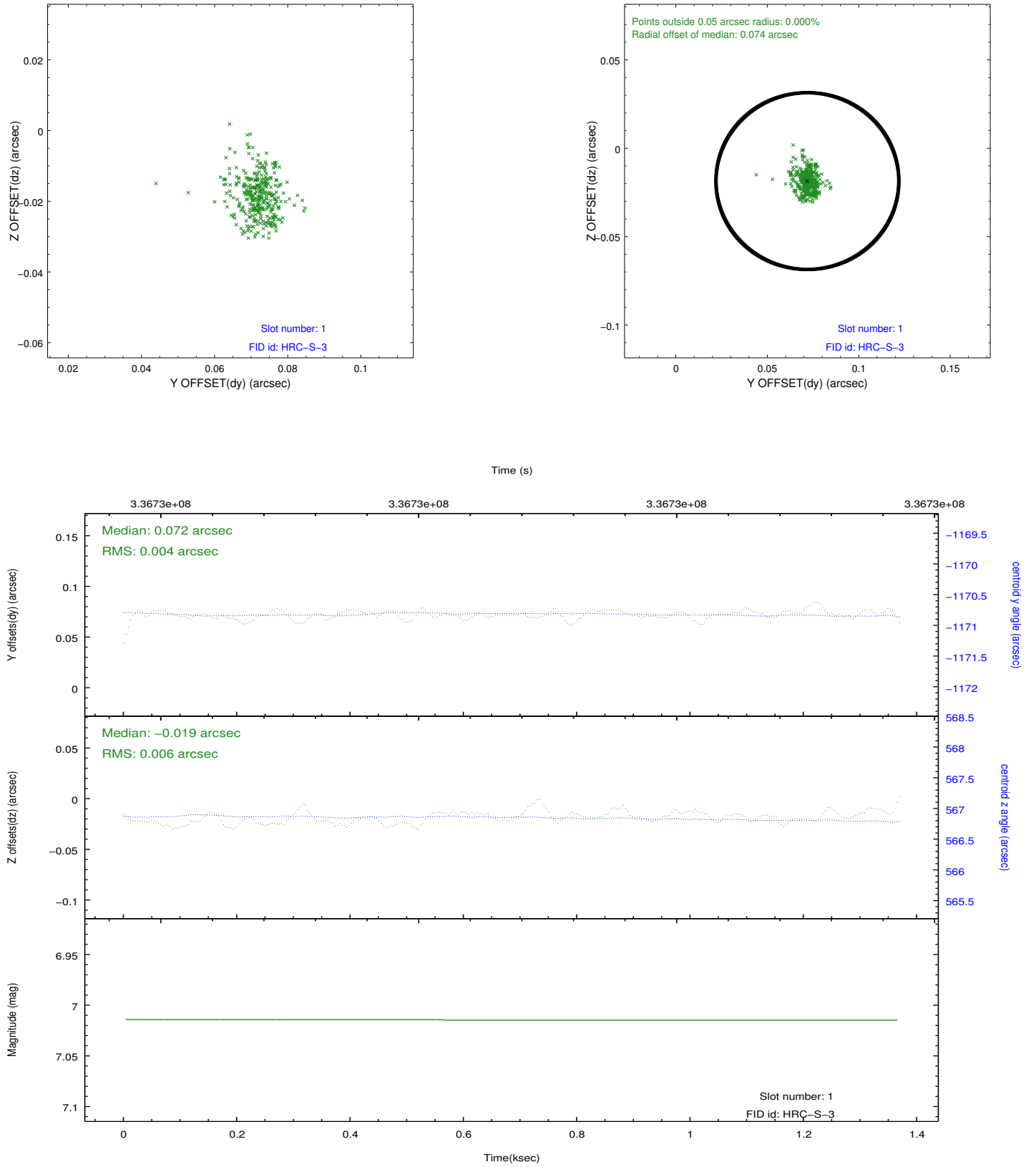


## 2.5 FID Slots

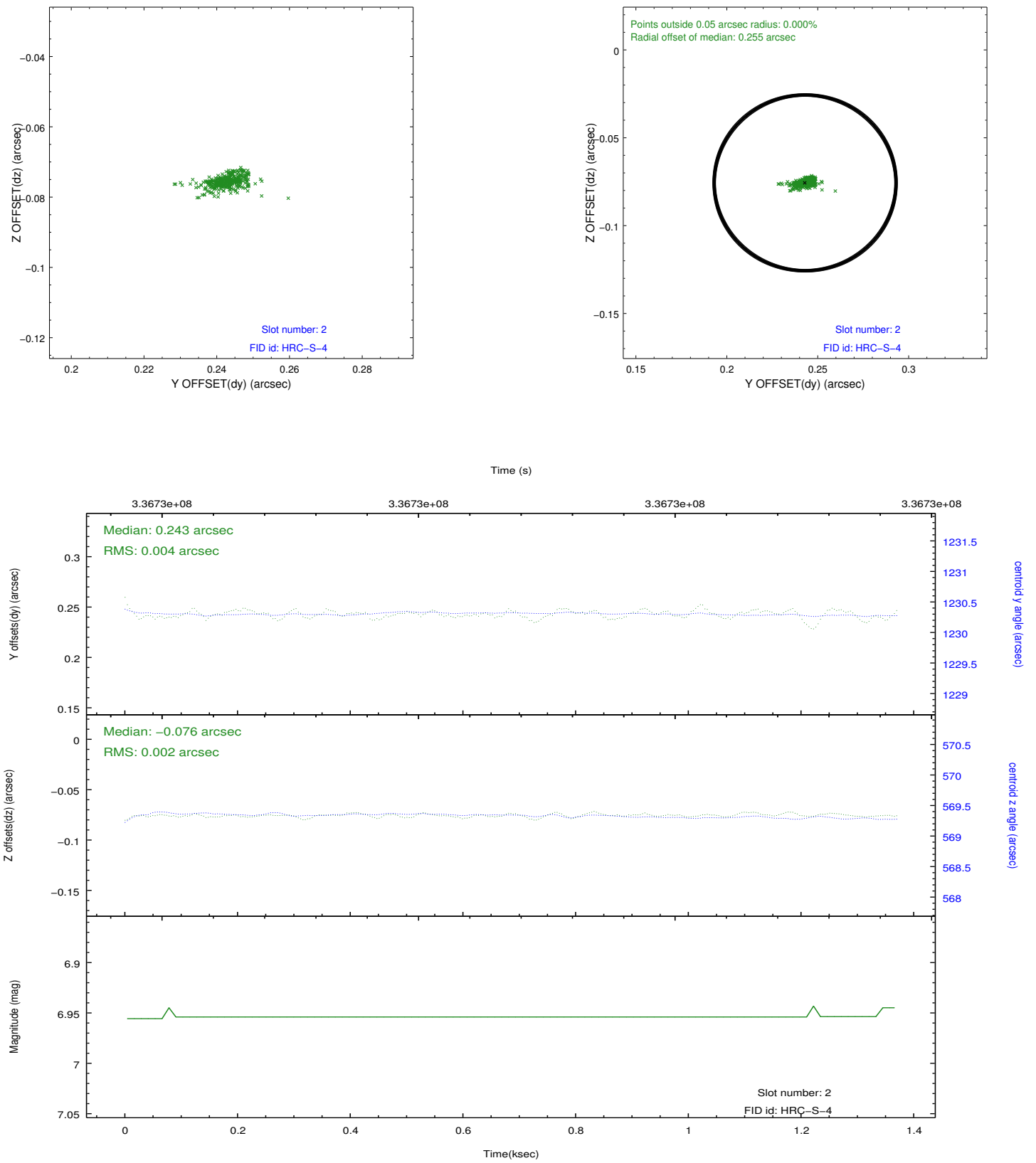
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.33993131

### A.2 Comments