

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9674 - L2 Version 3  
Chandra X-Ray Center

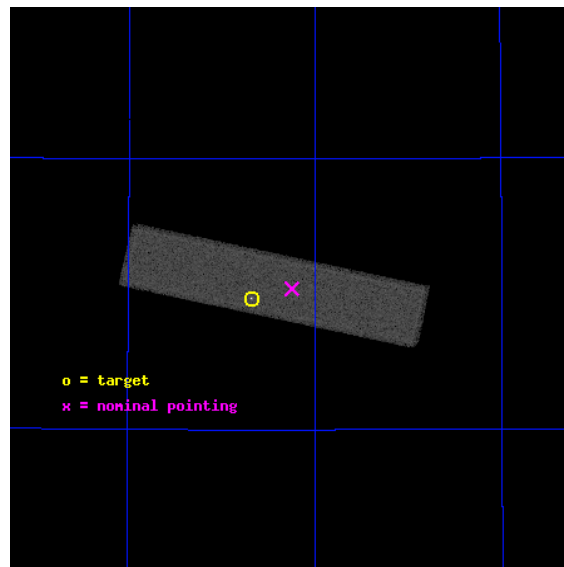
L2 Processing Date : Aug 12 2012

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# 1 Front

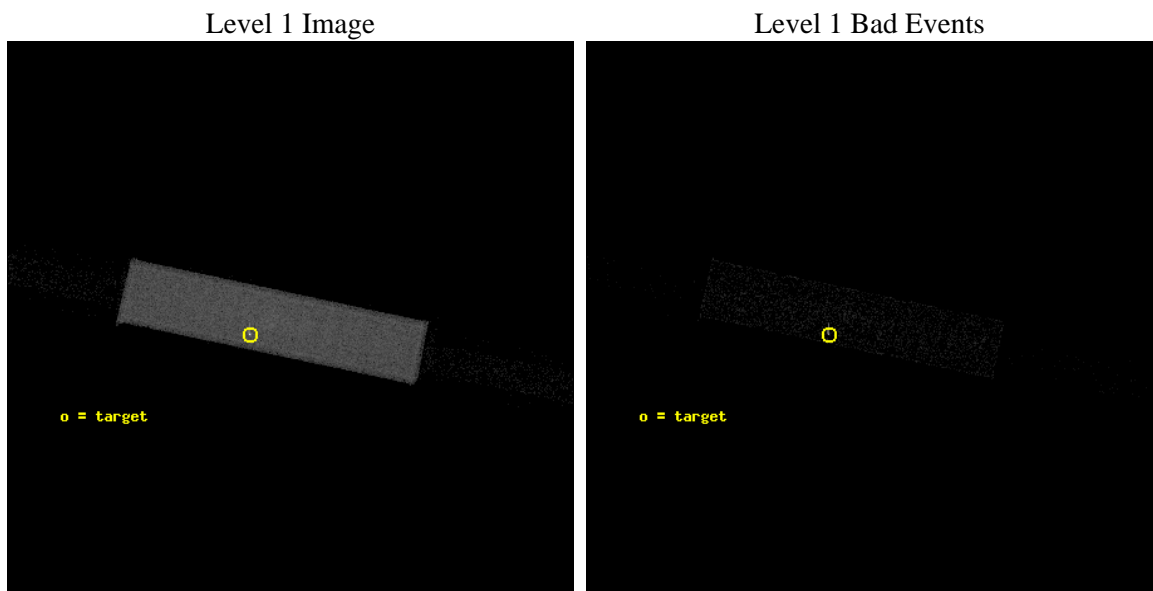
seq_num	290797	Sequence number
obs_id	9674	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.06137038775	Nominal RA [deg]
dec_nom	45.760149725449	Nominal Dec [deg]
roll_nom	191.80071668743	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1333.5250654817	[s]
livetime	1321.6153281183	Ontime multiplied by DTCOR
l2events	85540	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	1333.5250654817	[s]
caldbver	4.5.1.1	&#160	l1events	130689	Number of level 1 events
date	2012-08-12T18:11:39	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

Level 1 Events

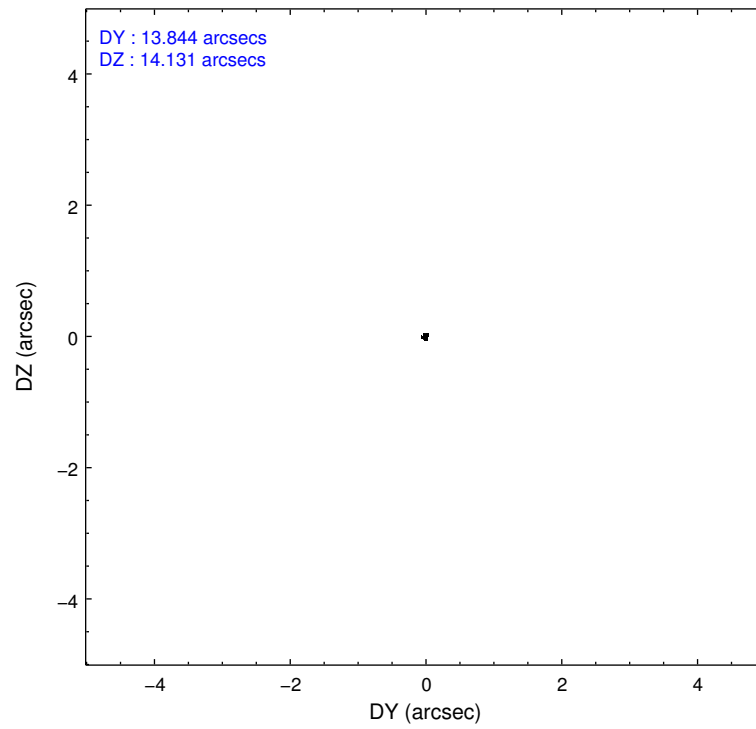
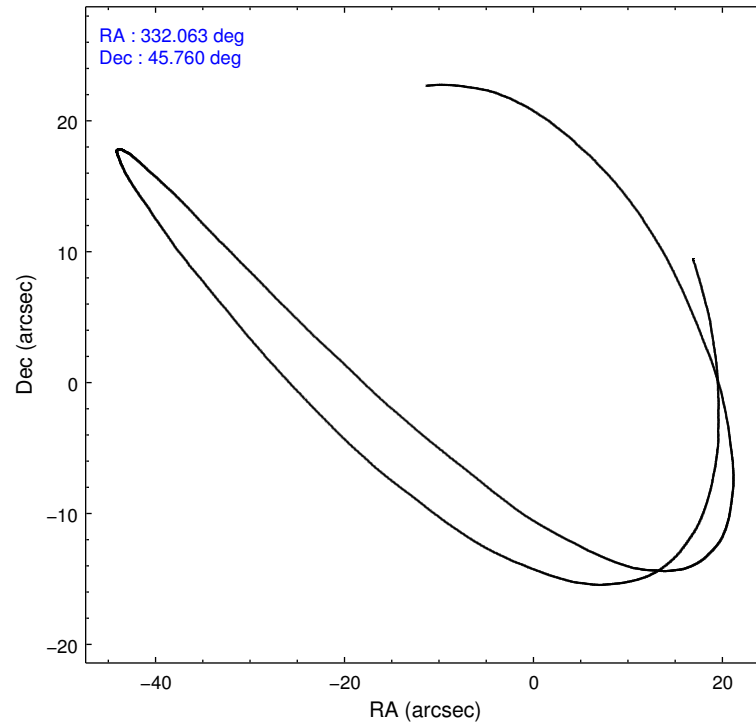
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1056	128620	1013
rejected events	1056	26186	1013
rejected %	100%	20%	100%

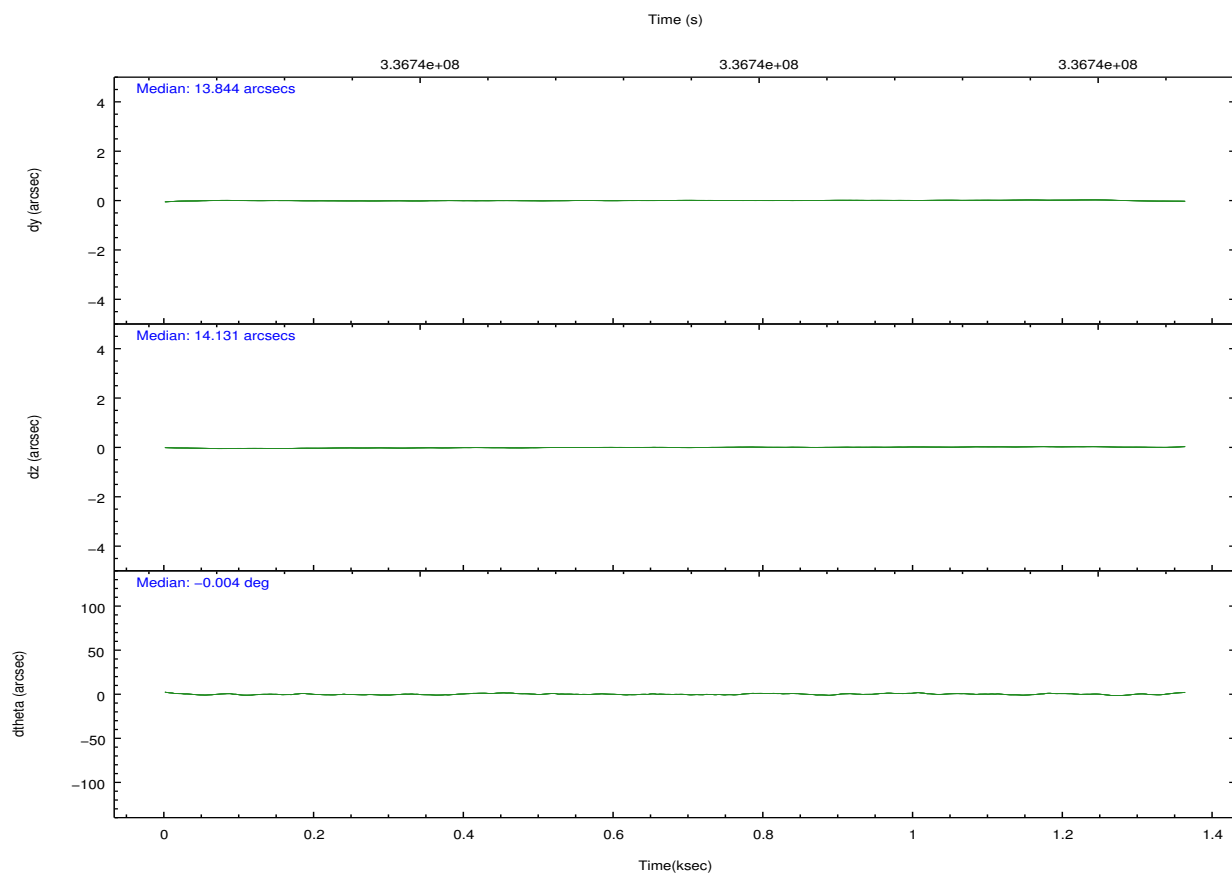
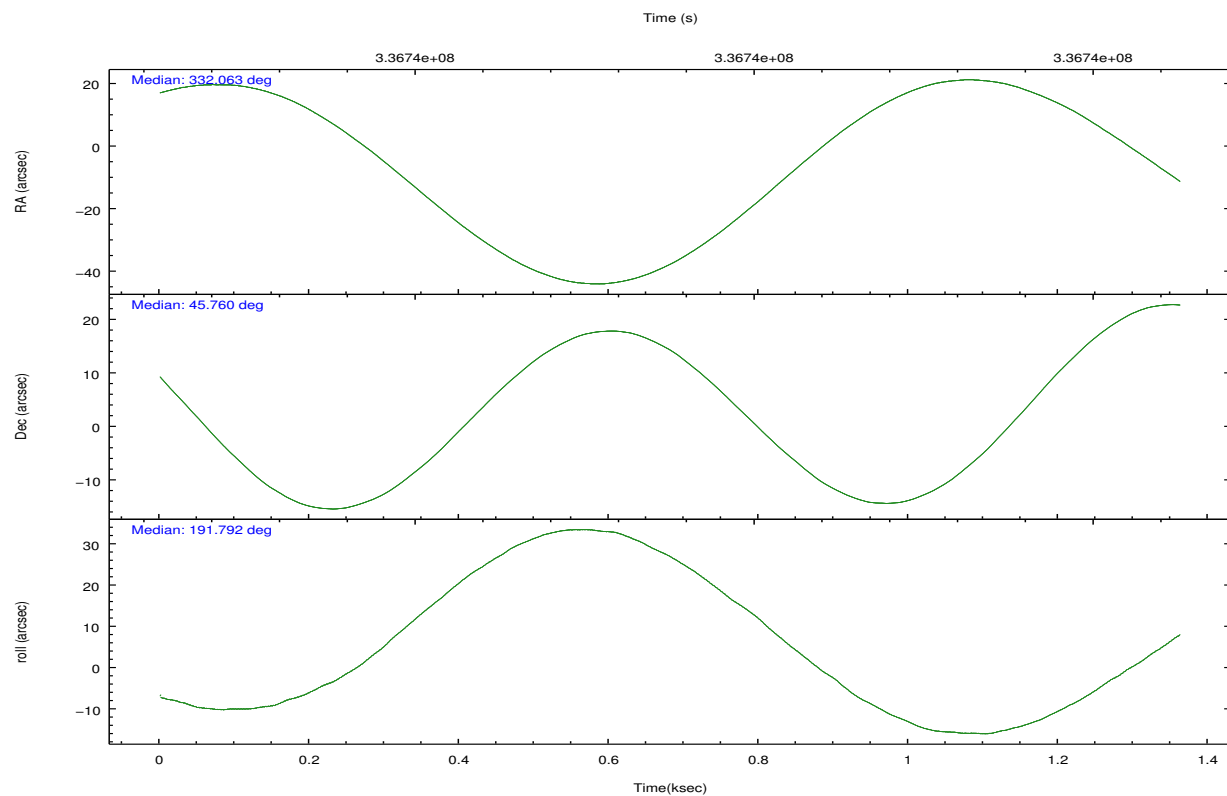
## 2.2 Compared Parameters

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	332.089325	332.0613703877518
[deg] Pointing Dec	45.780704	45.76014972544867
[deg] Pointing Roll	191.713323	191.8007166874289
[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)	336734873.184000	336734496.44632
Observation start date	2008-09-02T09:26:48	2008-09-02T09:21:36
[s] Observation end time (MET)	336736053.184000	336736186.6714
Observation end date	2008-09-02T09:46:28	2008-09-02T09:49:46

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

## 2.3 Aspect





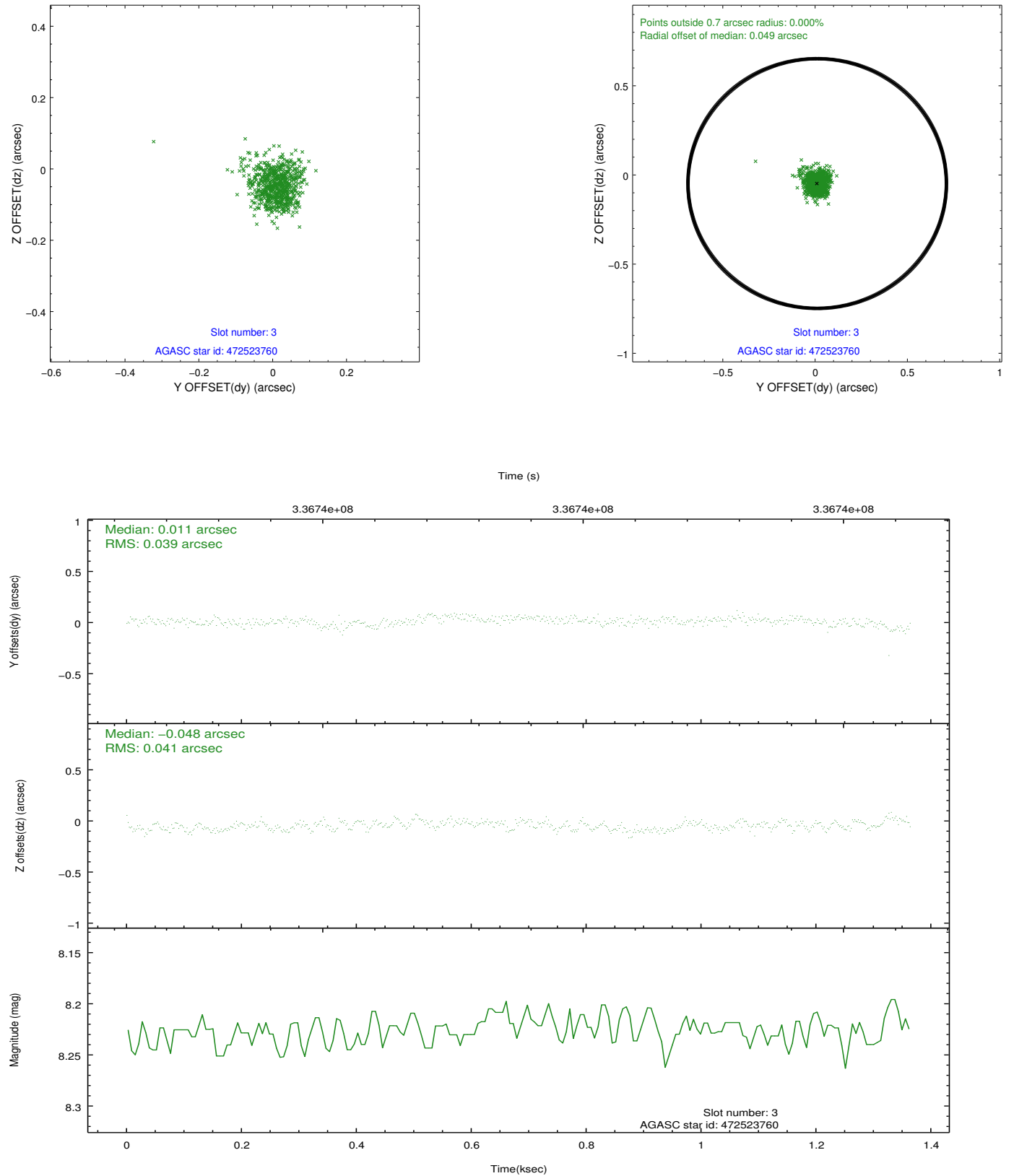
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	333	0.090	-0.192	0.006	0.010	0.000000	0.000000	-1168.19	-462.98
1	FID	HRC-S-2	7.00	333	0.194	-0.111	0.004	0.009	0.000000	0.000000	1228.06	-456.92
2	FID	HRC-S-3	7.02	333	0.106	0.001	0.007	0.010	0.000000	0.000000	-1167.22	565.36
3	GUIDE	472523760	8.23	666	0.011	-0.048	0.059	0.098	331.645363	45.403260	1377.22	1097.93
4	GUIDE	472527720	6.99	666	-0.177	-0.133	0.081	0.144	331.460205	45.112509	2057.08	2024.74
5	GUIDE	472533912	9.15	662	0.010	0.041	0.106	0.172	331.791136	46.368695	301.96	-2223.13
6	GUIDE	472535576	7.87	666	-0.099	0.071	0.058	0.095	331.438373	46.291802	1214.57	-2141.87
7	GUIDE	472665256	9.00	665	0.237	0.077	0.079	0.129	332.808125	46.195041	-2052.95	-1110.18

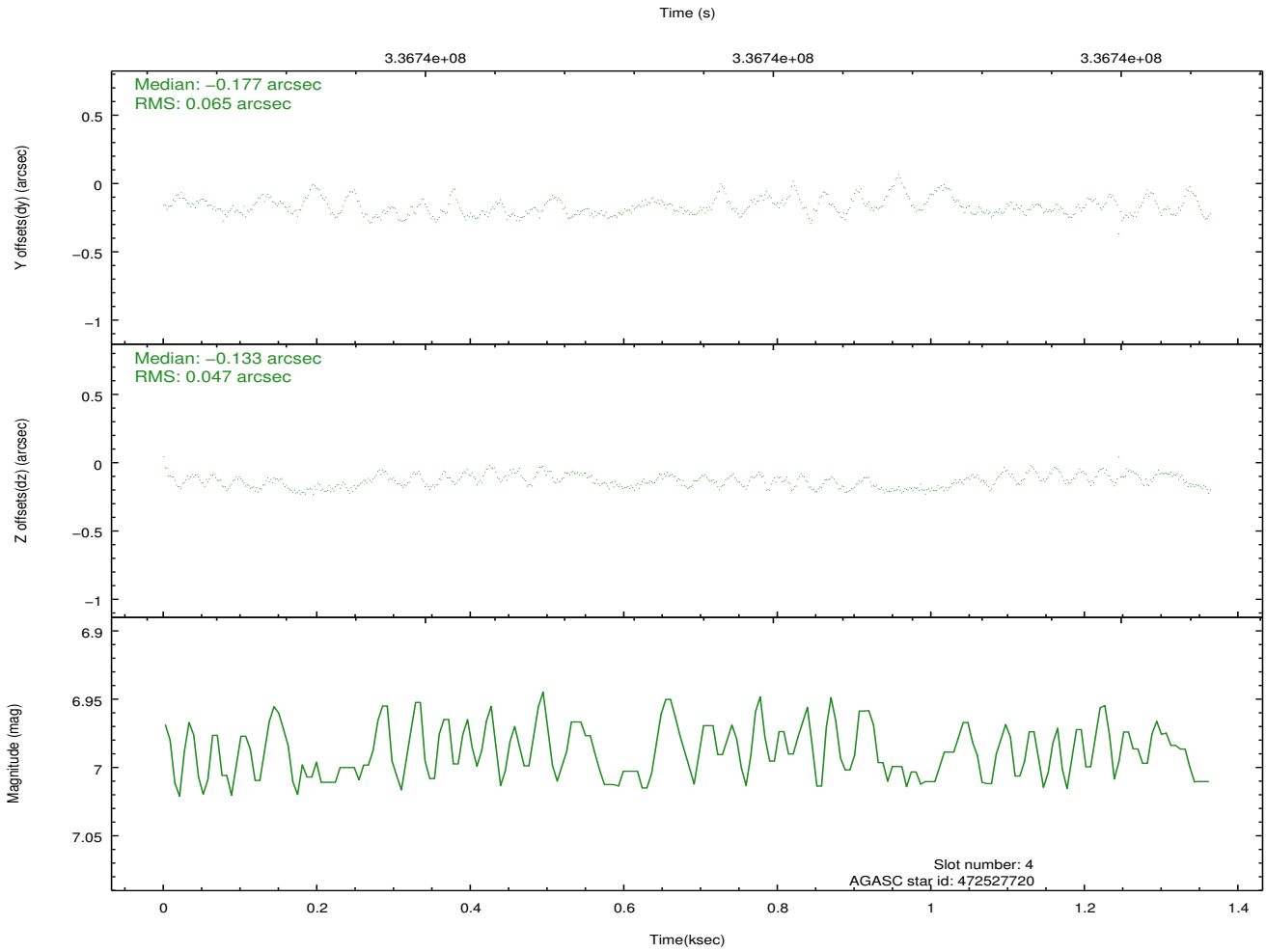
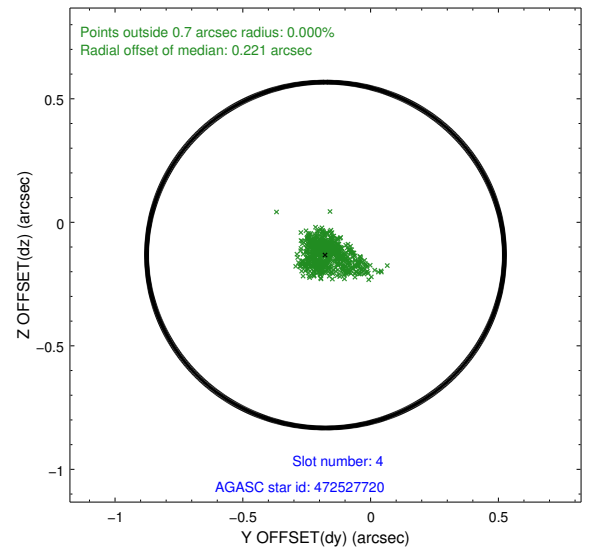
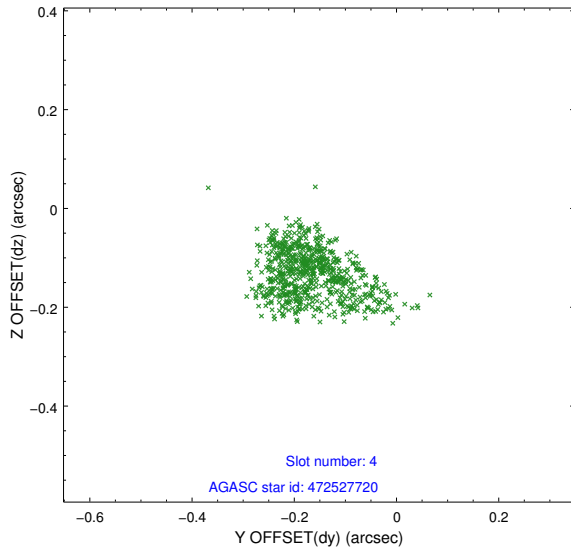


## 2.4 Star Slots

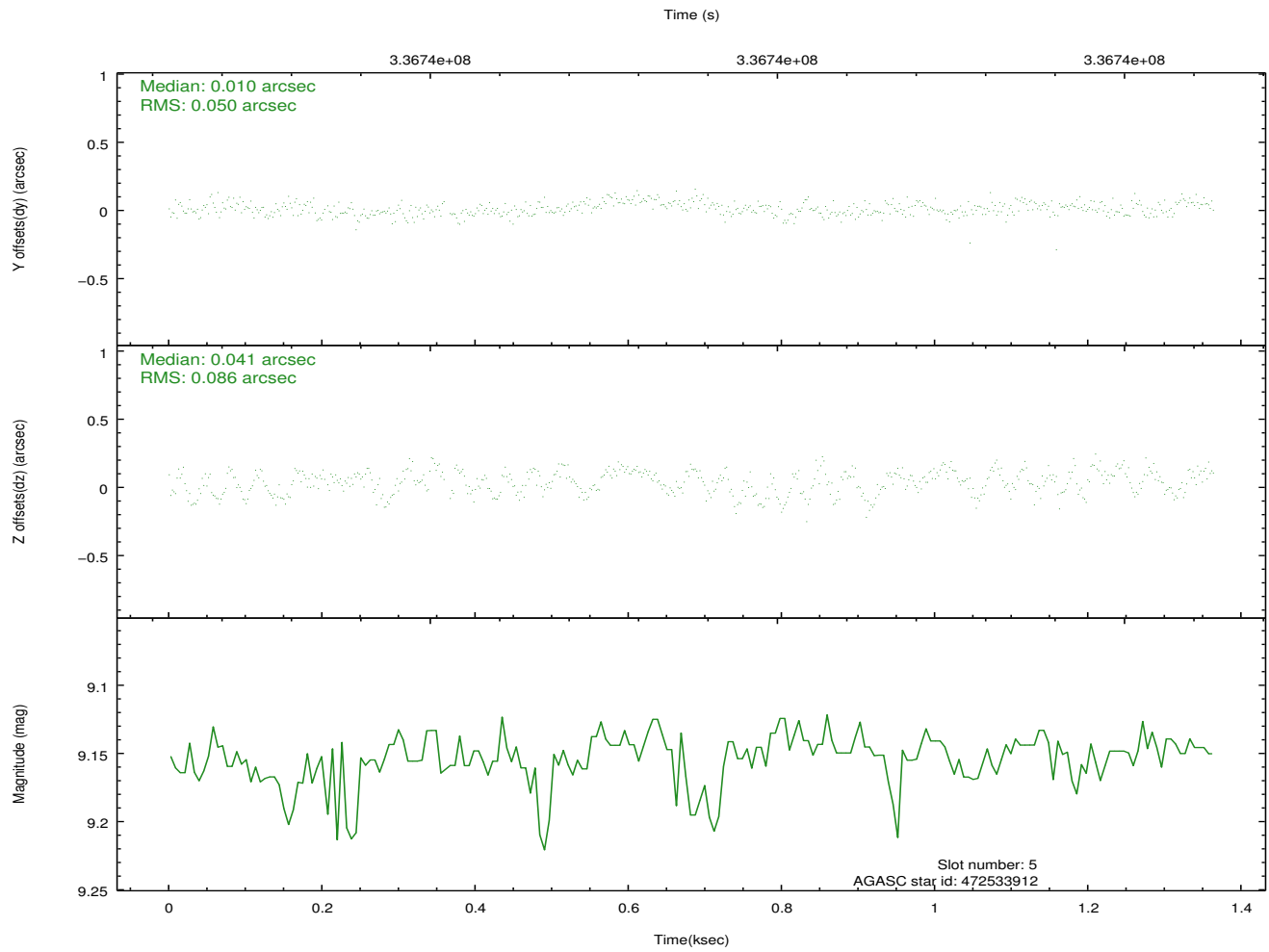
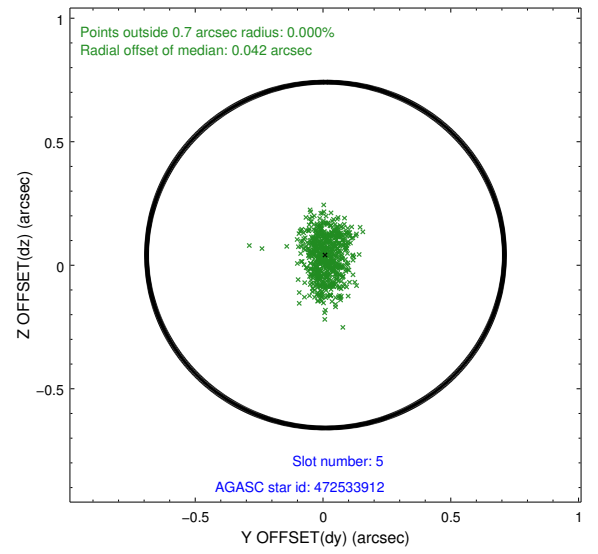
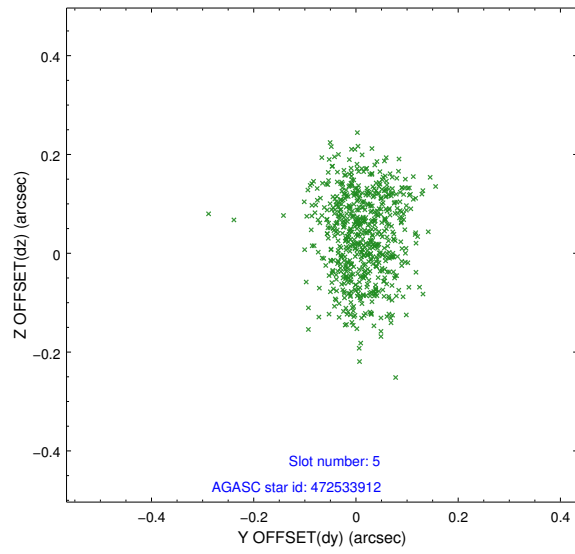
### 2.4.1 Slot 3



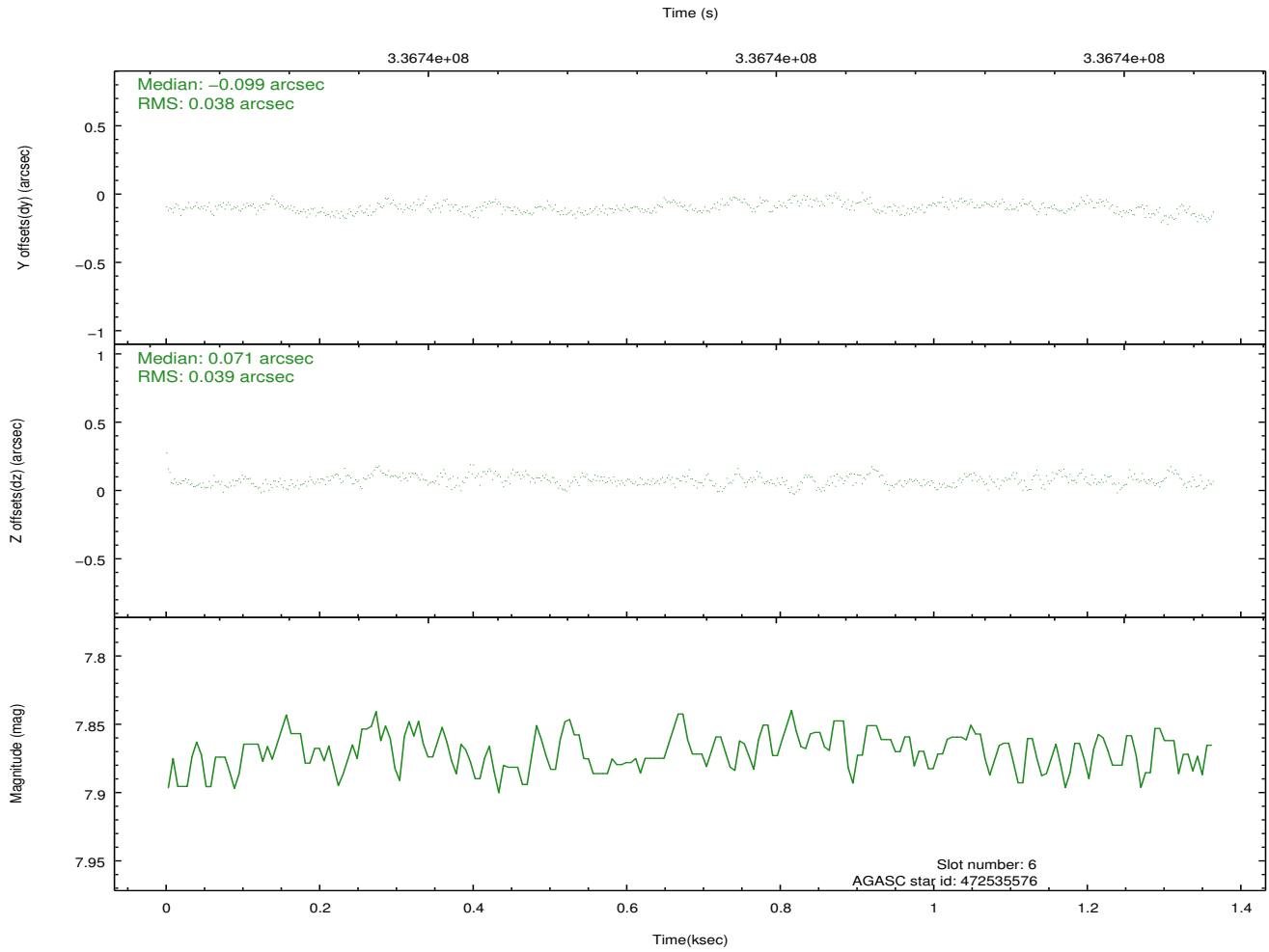
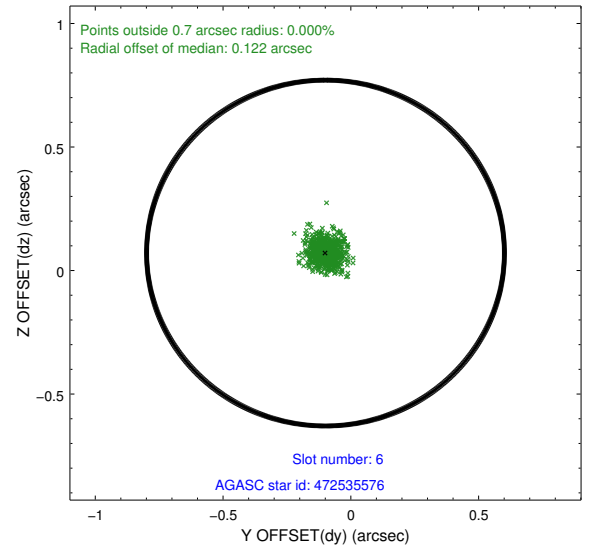
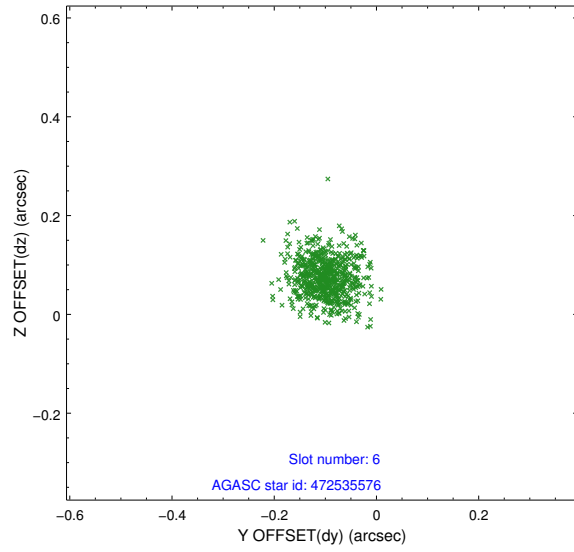
## 2.4.2 Slot 4



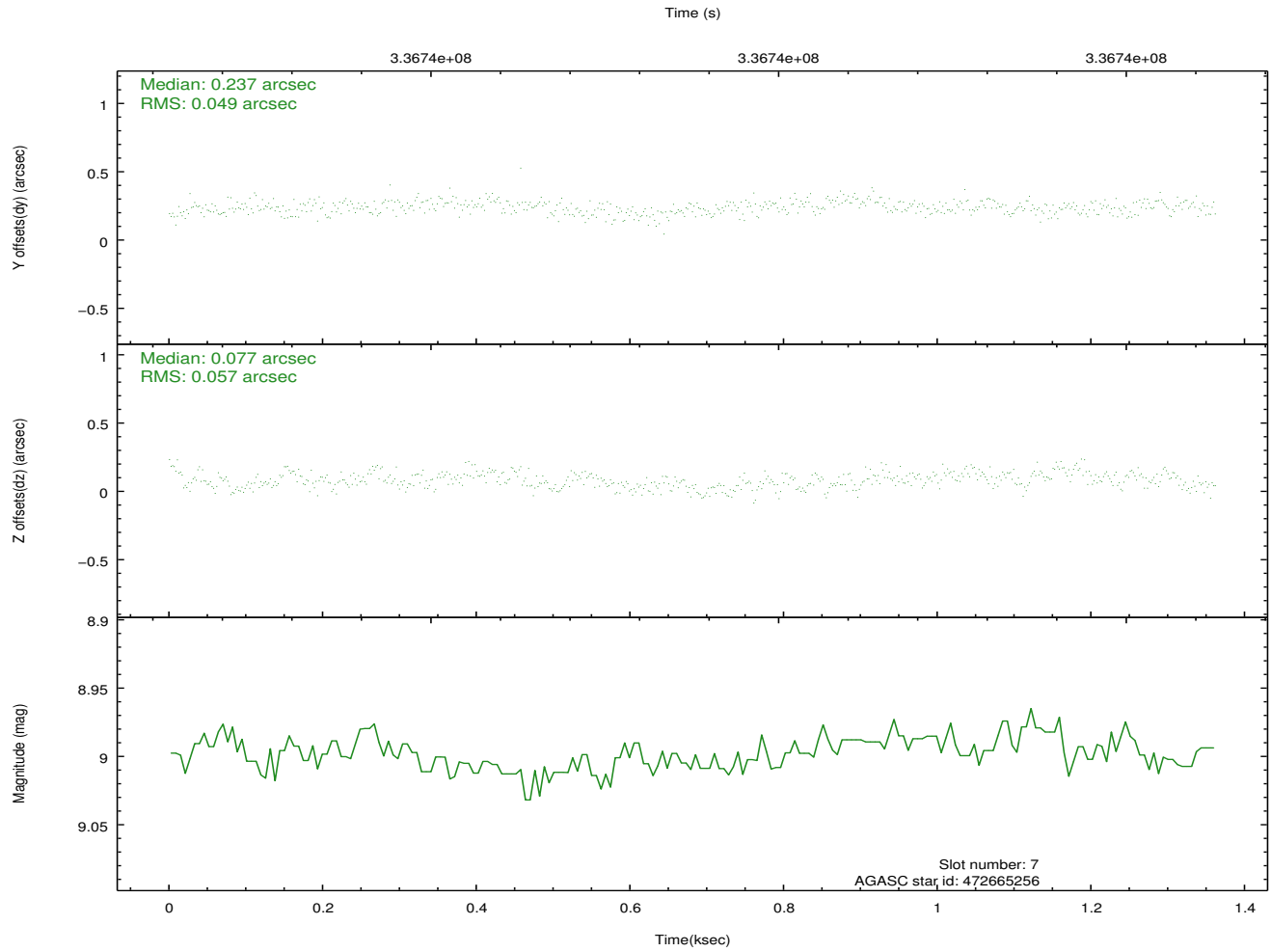
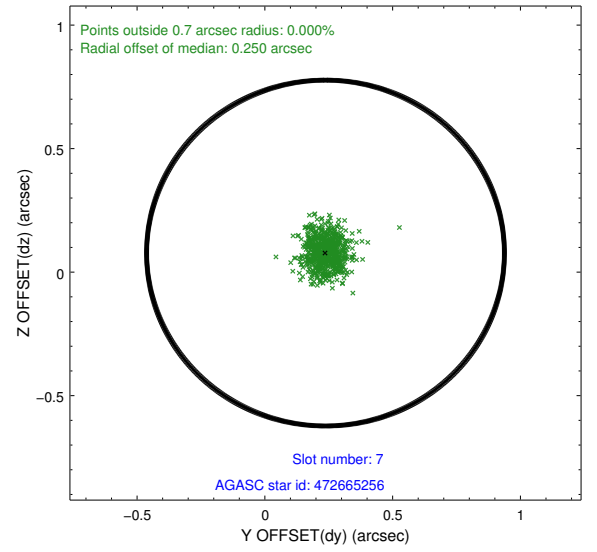
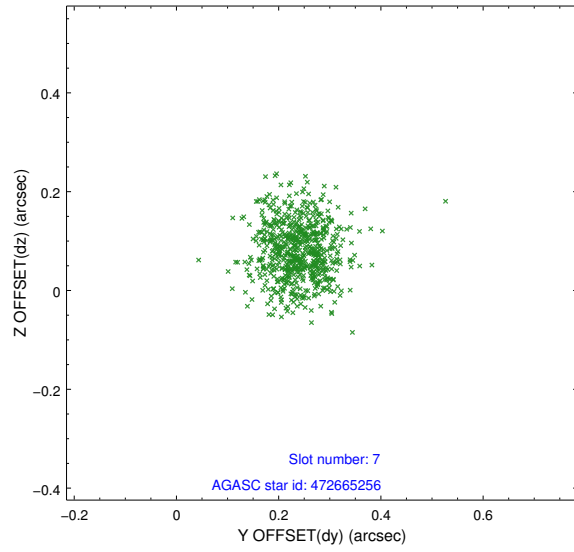
### 2.4.3 Slot 5



## 2.4.4 Slot 6

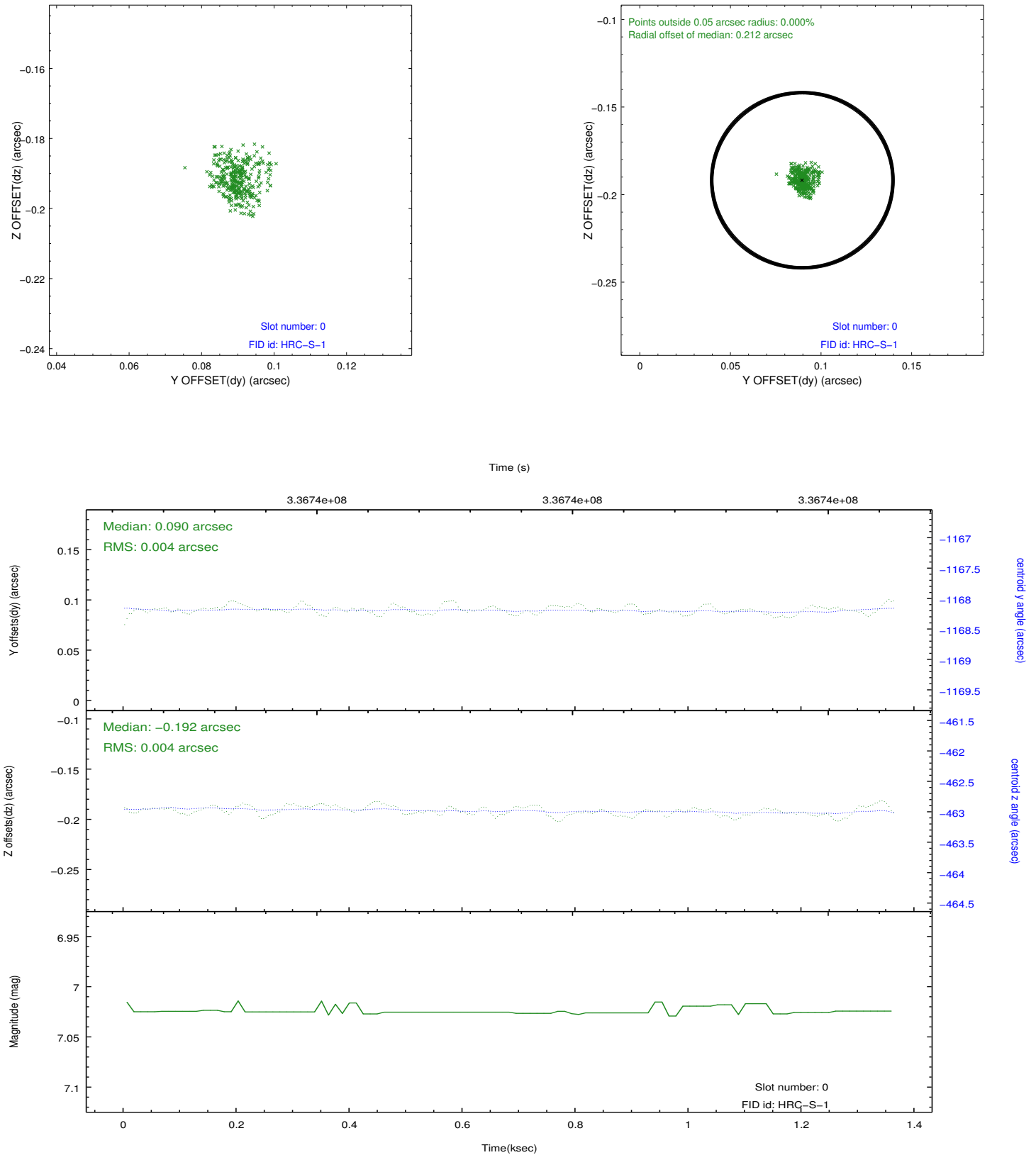


## 2.4.5 Slot 7

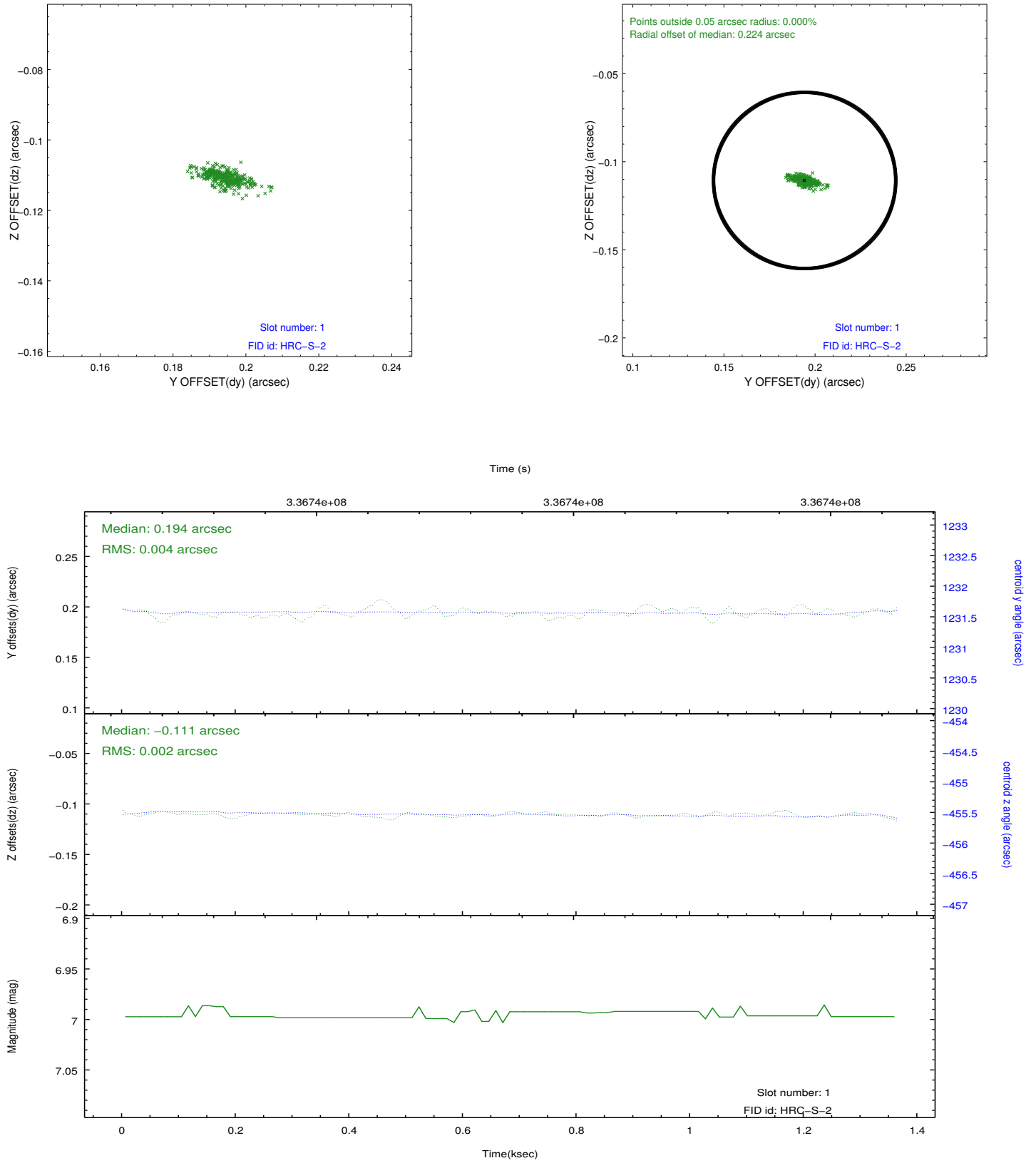


## 2.5 FID Slots

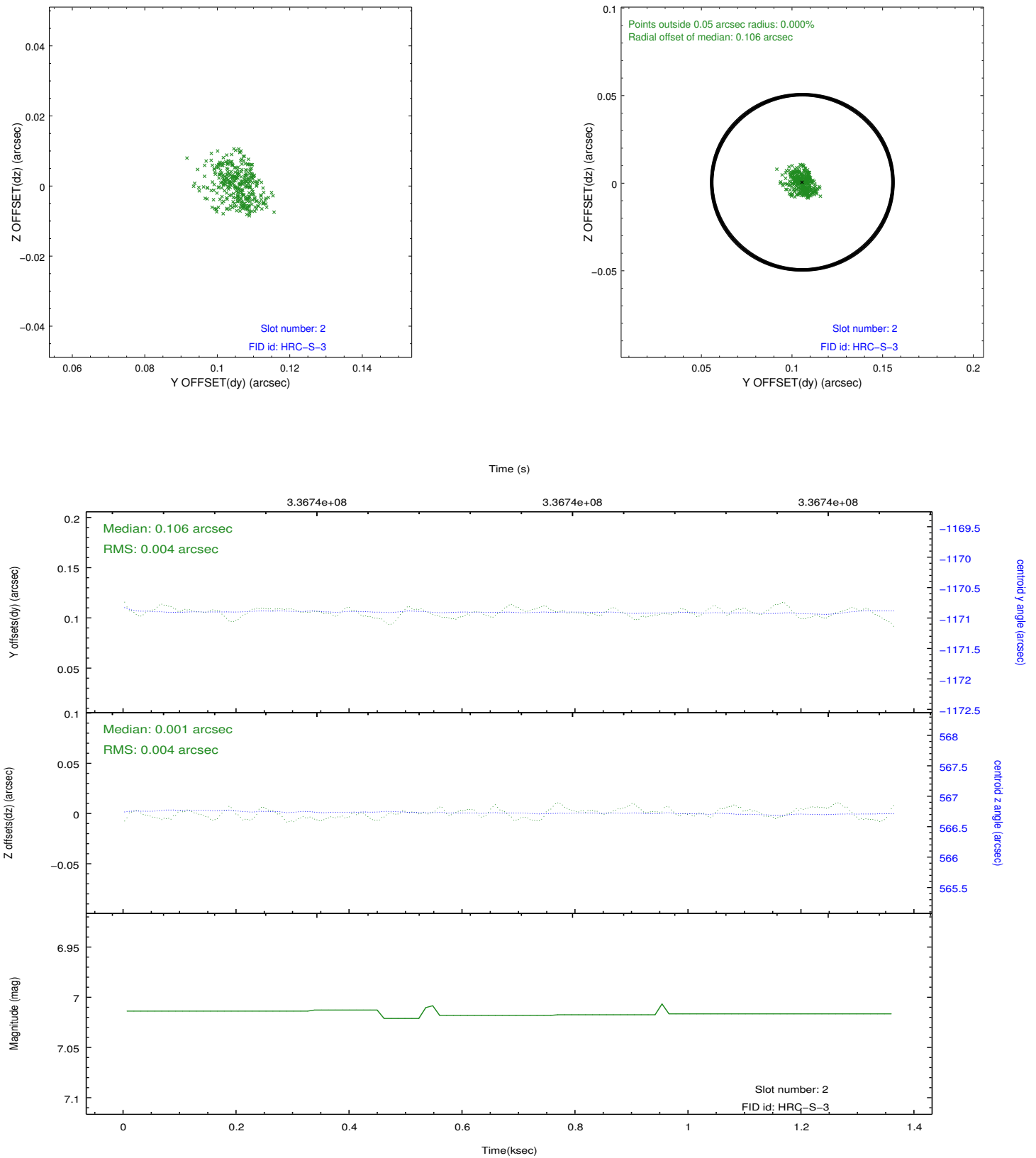
### 2.5.1 Slot 0



## 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	1.33378131

### A.2 Comments