

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2370 - L2 Version 5  
Chandra X-Ray Center

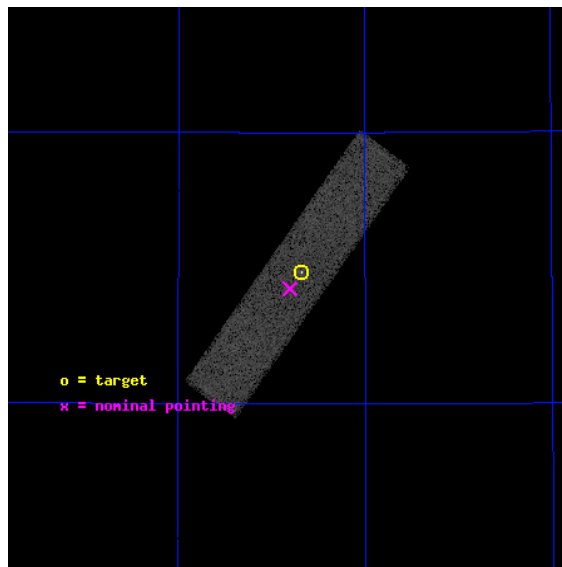
L2 Processing Date : Sep 4 2012

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# 1 Front

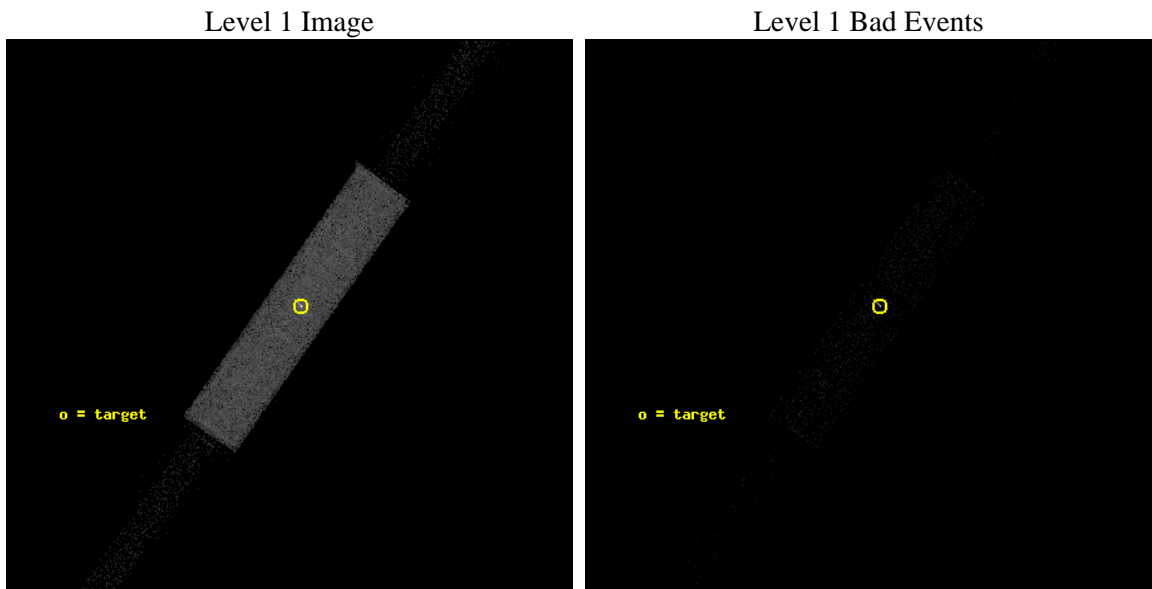
seq_num	290116	Sequence number
obs_id	2370	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-S,AO2	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.20182079487	Nominal RA [deg]
dec_nom	45.711840699183	Nominal Dec [deg]
roll_nom	305.14357313739	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1143.1312937289	[s]
livetime	1137.106713974	Ontime multiplied by DTCOR
l2events	41206	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1143.1312937289	[s]
caldsver	4.5.1.1	&#160	l1events	69019	Number of level 1 events
date	2012-09-05T01:22:31	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

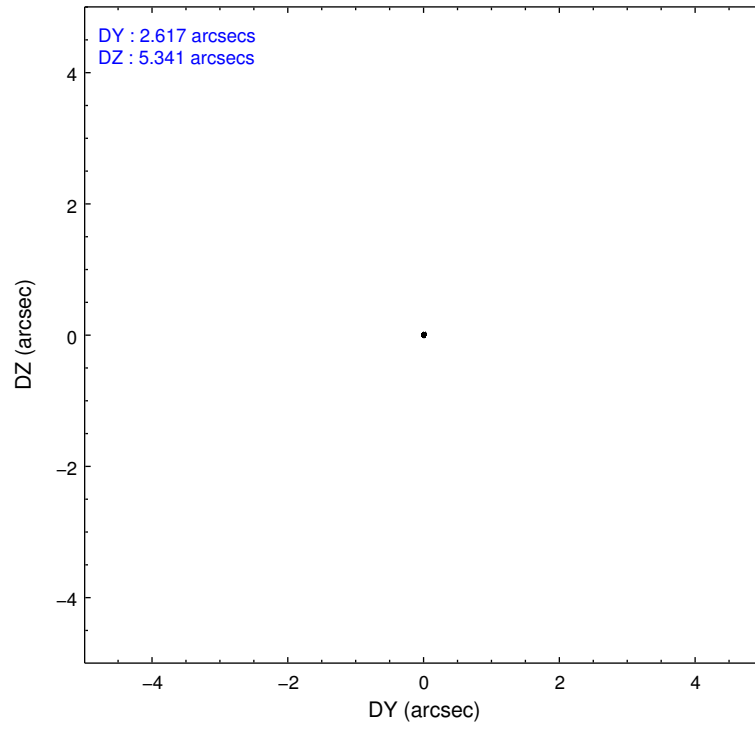
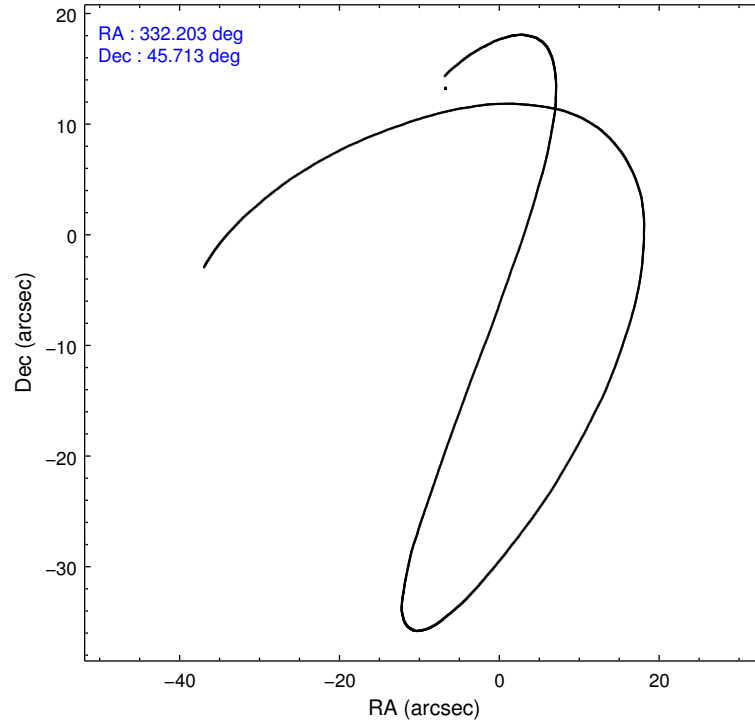
	segment 1	segment 2	segment 3
level 1 events	1158	66681	1180
rejected events	1158	15893	1180
rejected %	100%	23%	100%

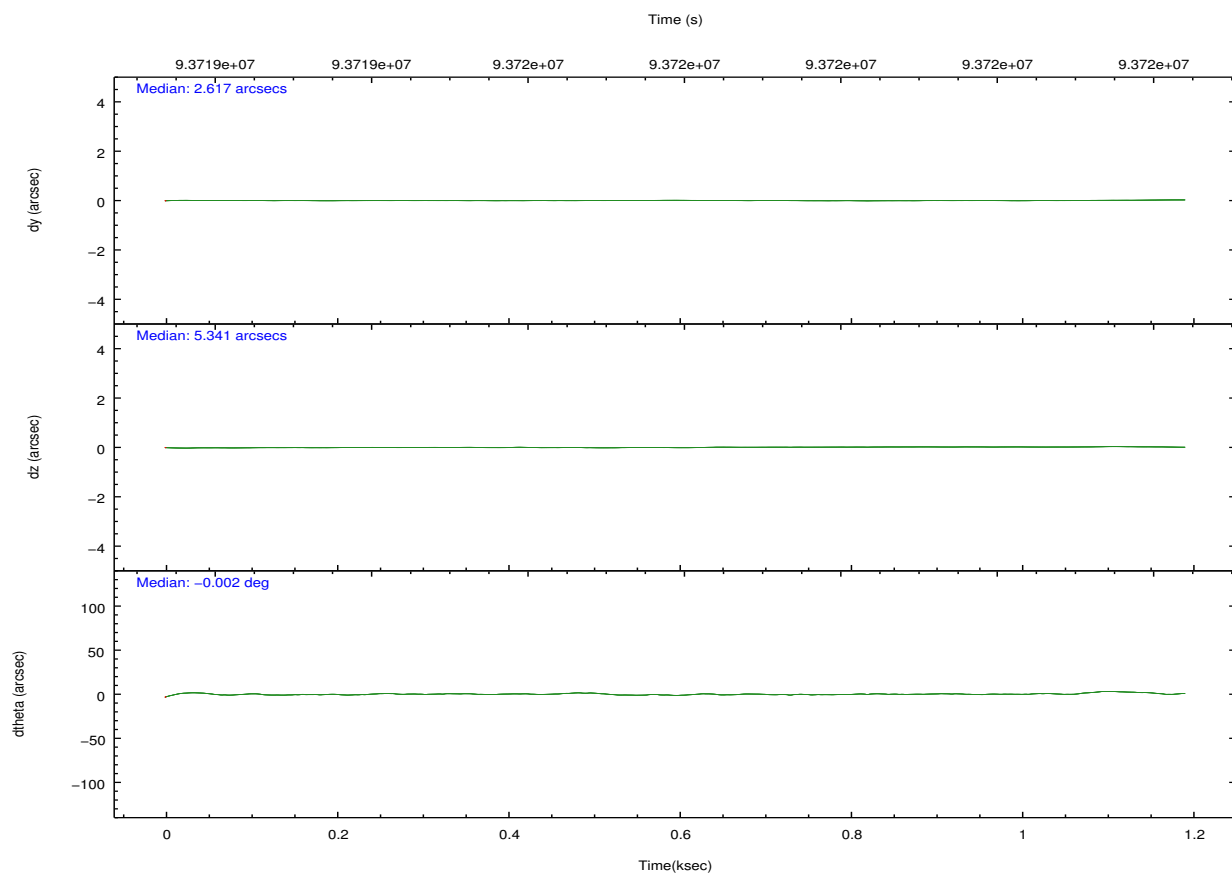
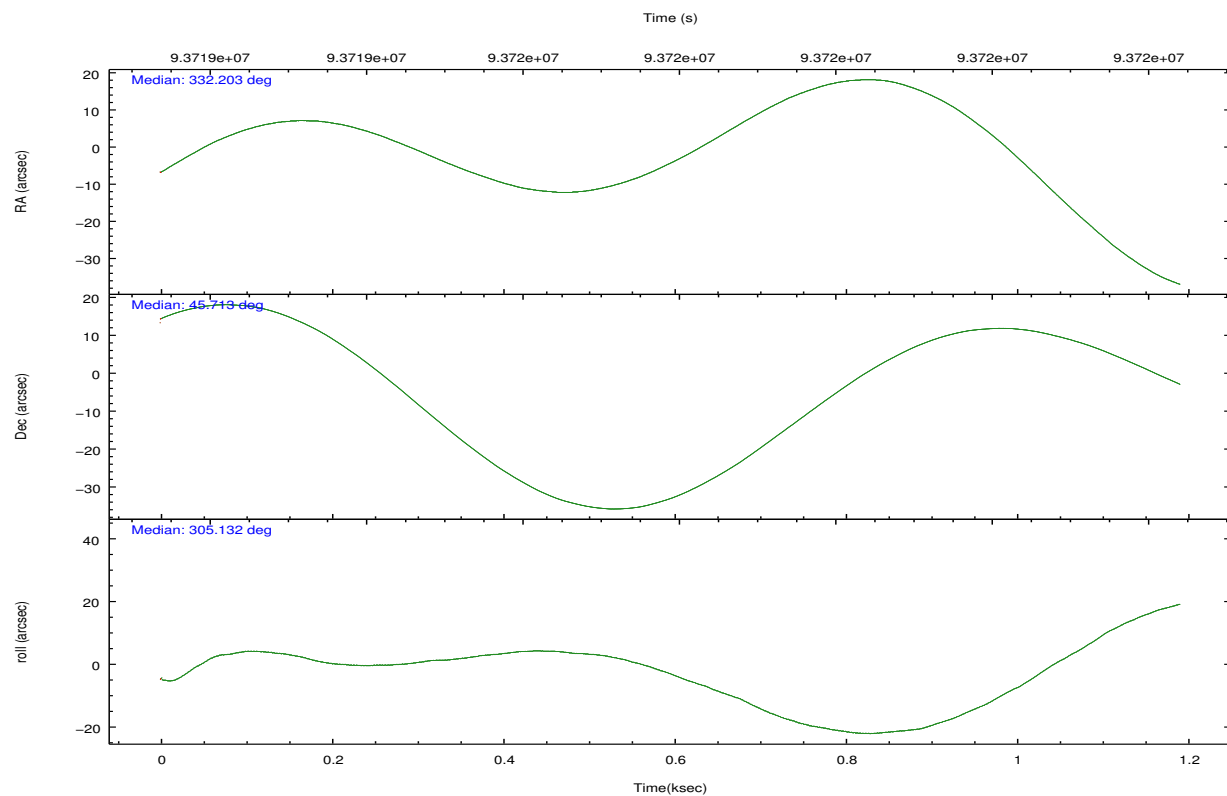
## 2.2 Compared Parameters

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	332.163163	332.201820794868
[deg] Pointing Dec	45.721851	45.71184069918311
[deg] Pointing Roll	305.104024	305.1435731373912
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	93719382.184000	93719005.563932
Observation start date	2000-12-20T17:08:38	2000-12-20T17:03:25
[s] Observation end time (MET)	93720382.184000	93720515.901489
Observation end date	2000-12-20T17:25:18	2000-12-20T17:28:35

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

## 2.3 Aspect





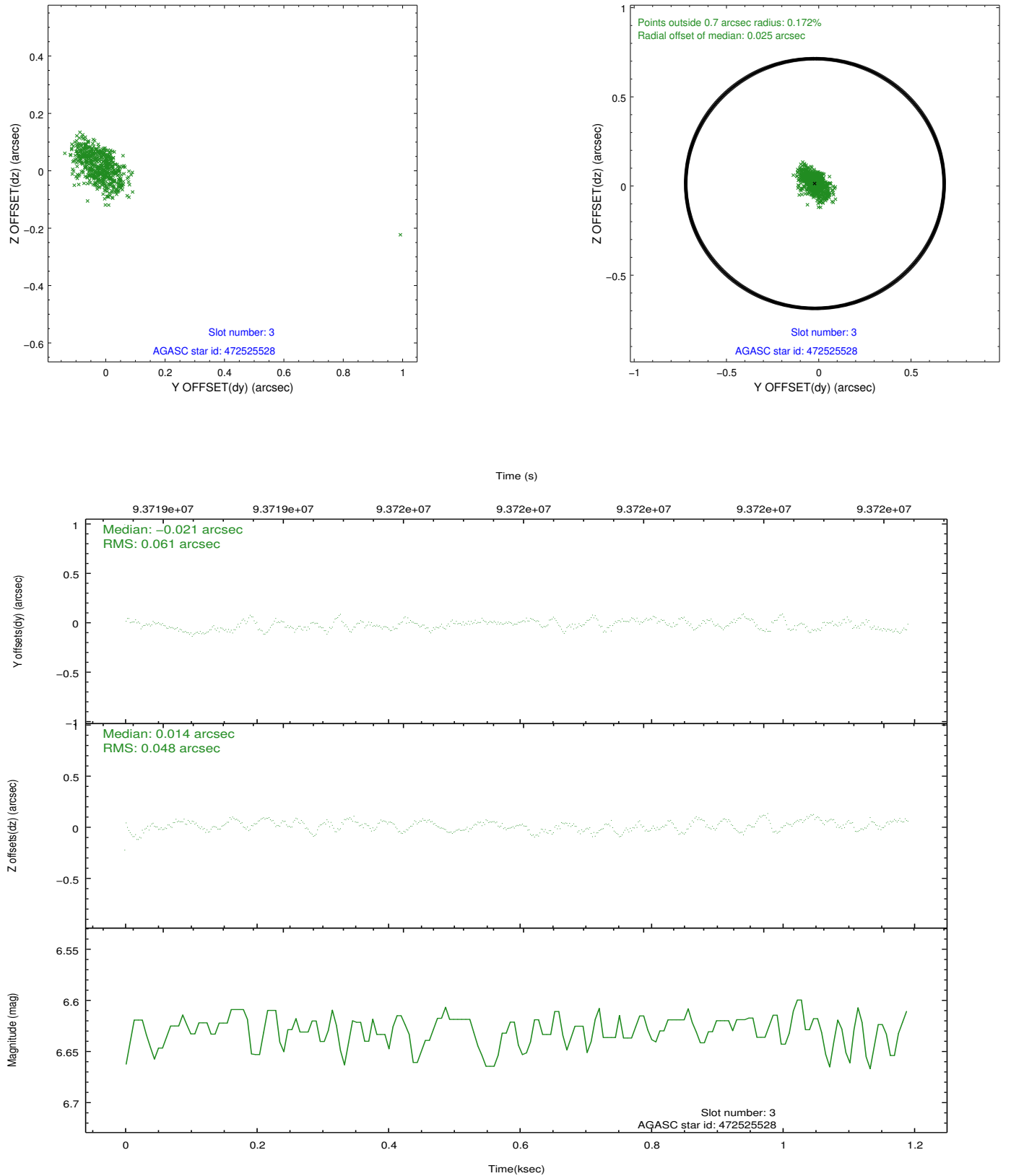
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	291	0.136	-0.155	0.008	0.014	0.000000	0.000000	-1156.66	-453.85
1	FID	HRC-S-2	6.98	291	0.127	-0.101	0.005	0.014	0.000000	0.000000	1239.03	-448.05
2	FID	HRC-S-3	7.00	291	0.128	-0.045	0.007	0.013	0.000000	0.000000	-1155.11	574.26
3	GUIDE	472525528	6.63	582	-0.021	0.014	0.069	0.110	331.551102	45.248694	498.58	-2249.05
4	GUIDE	472523760	8.23	582	-0.003	-0.146	0.061	0.098	331.645363	45.403260	184.94	-1735.76
5	GUIDE	472665256	9.02	582	-0.085	-0.080	0.075	0.129	332.808125	46.195041	-473.47	2291.14
6	GUIDE	472659832	9.47	582	0.041	0.063	0.089	0.136	332.780399	46.098139	-226.75	2043.03
7	GUIDE	472655152	9.43	581	0.061	0.160	0.090	0.140	332.504239	45.862991	75.49	992.52

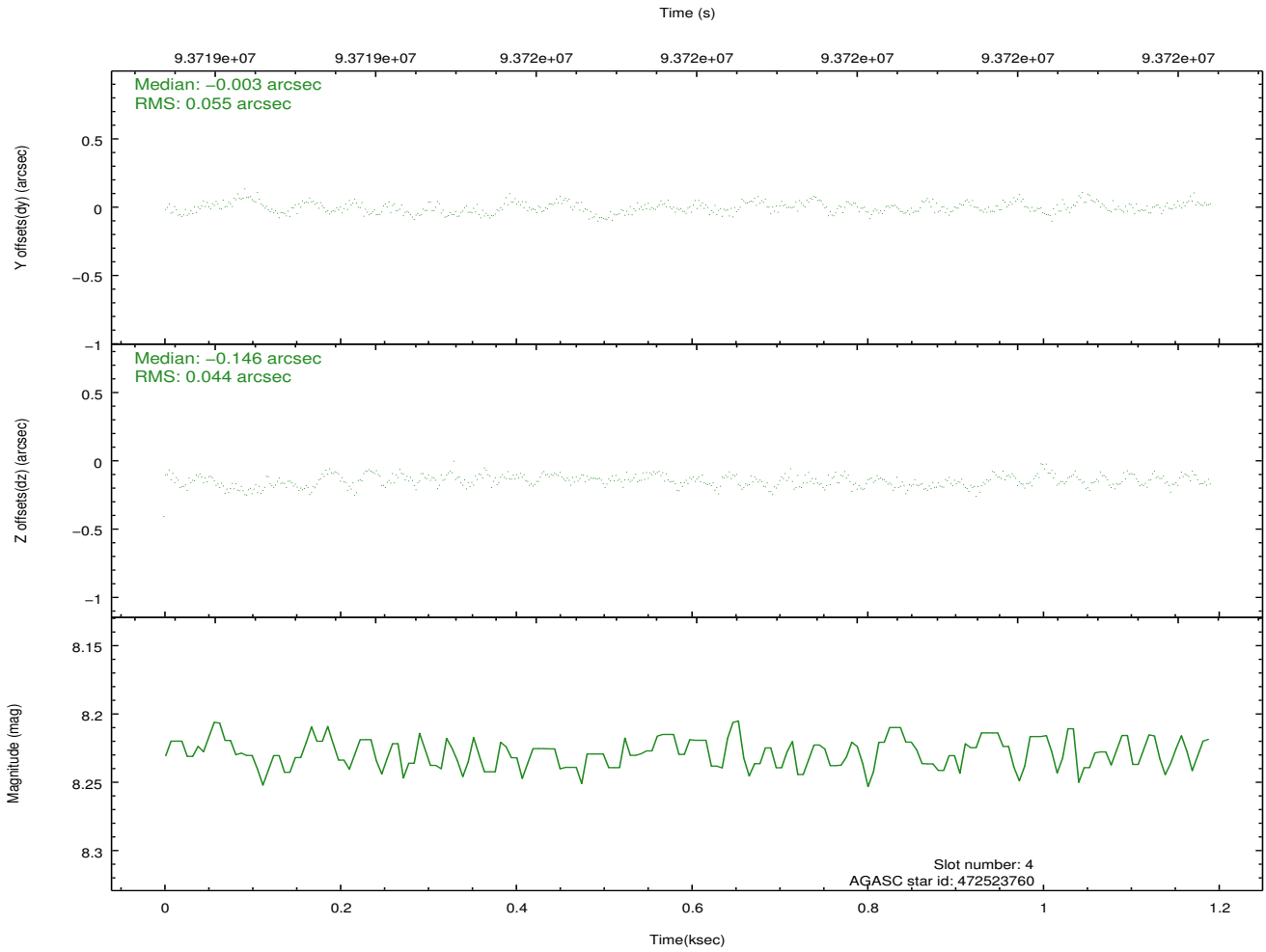
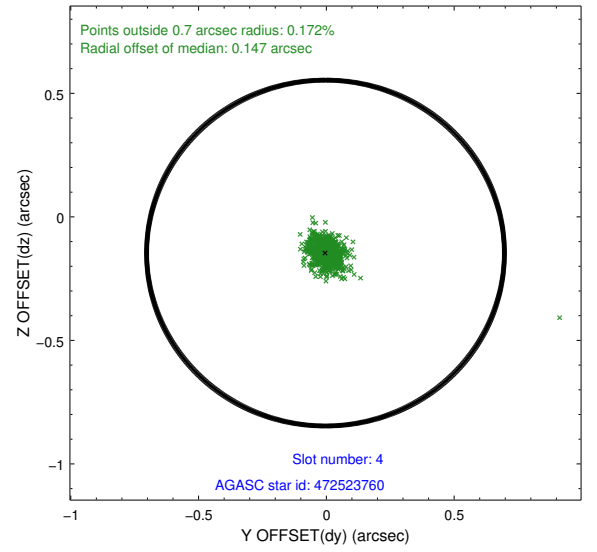
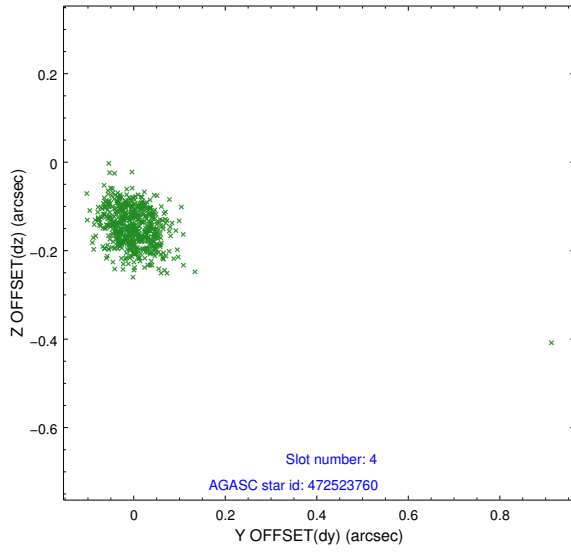


## 2.4 Star Slots

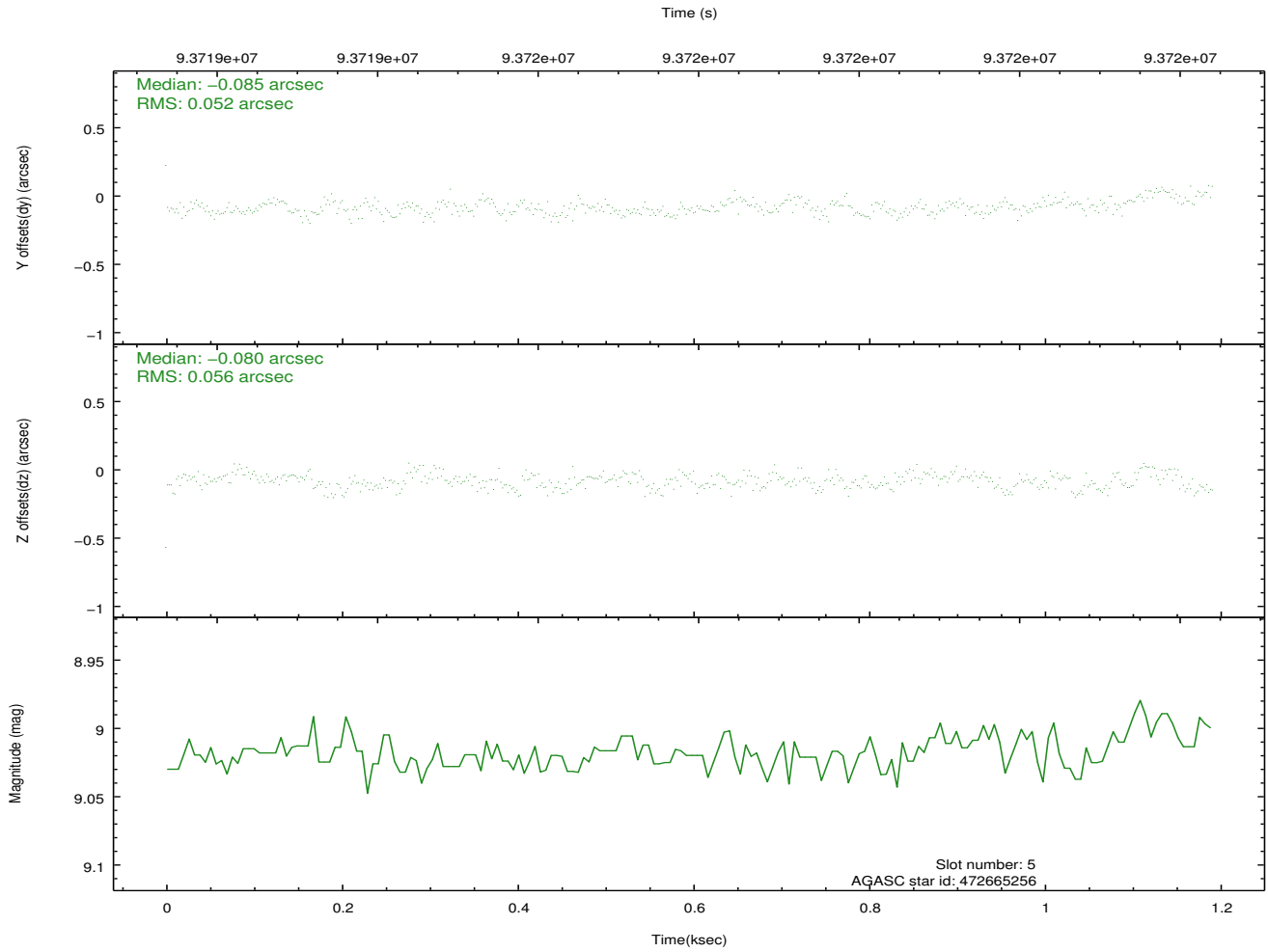
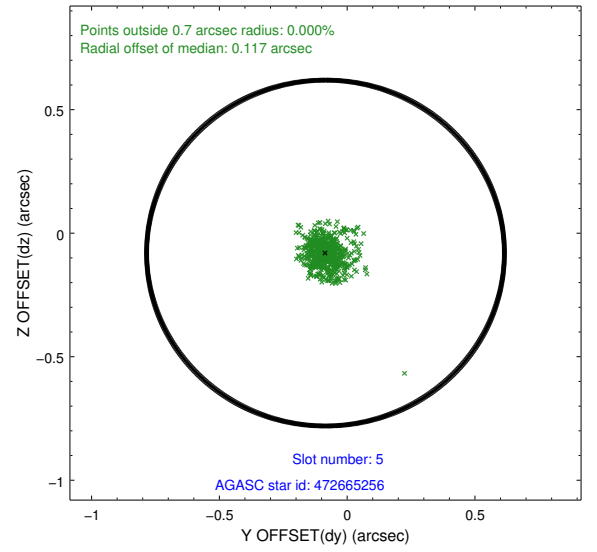
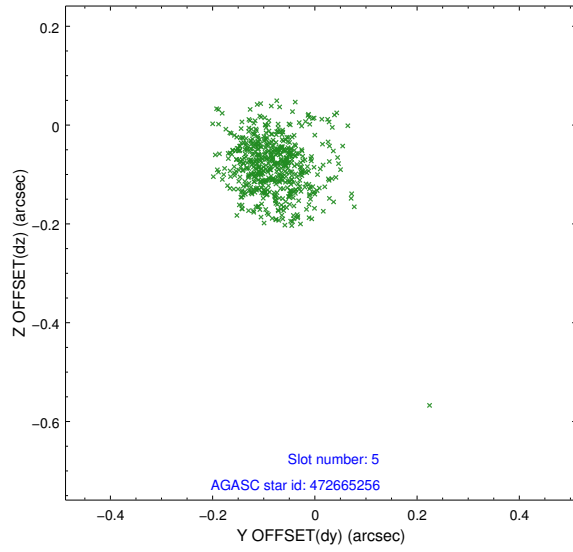
### 2.4.1 Slot 3



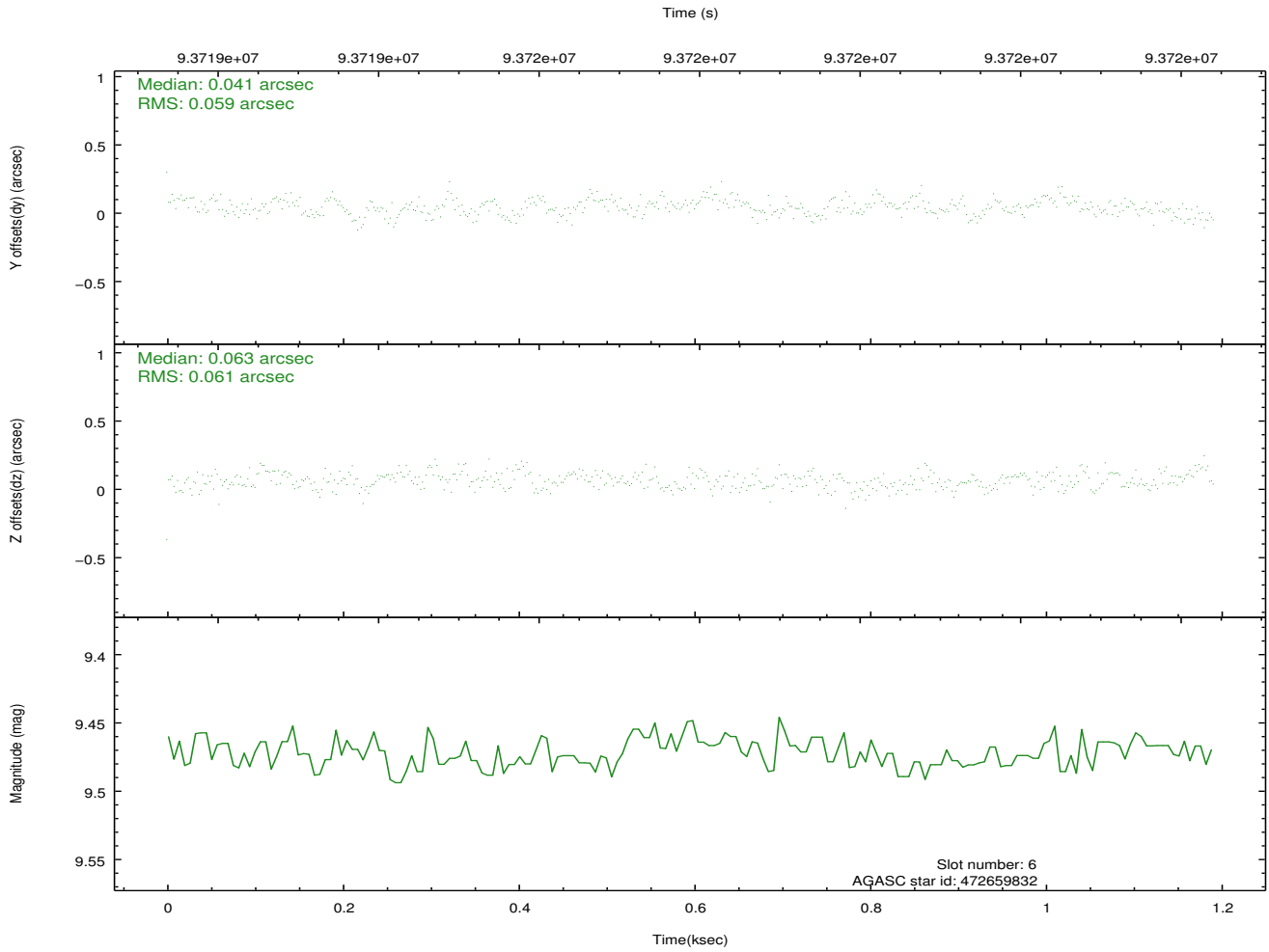
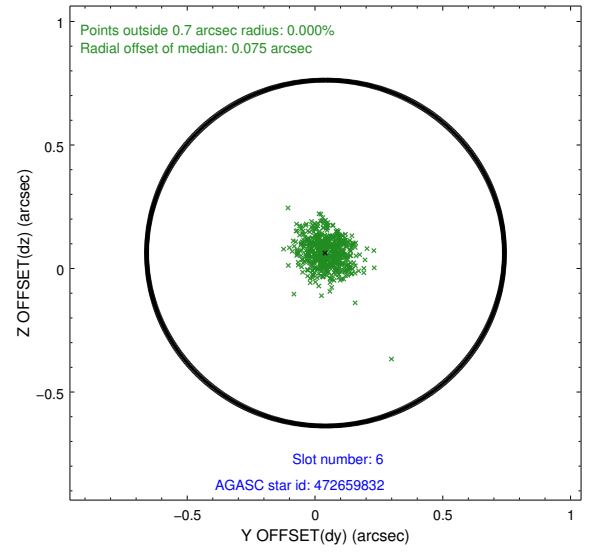
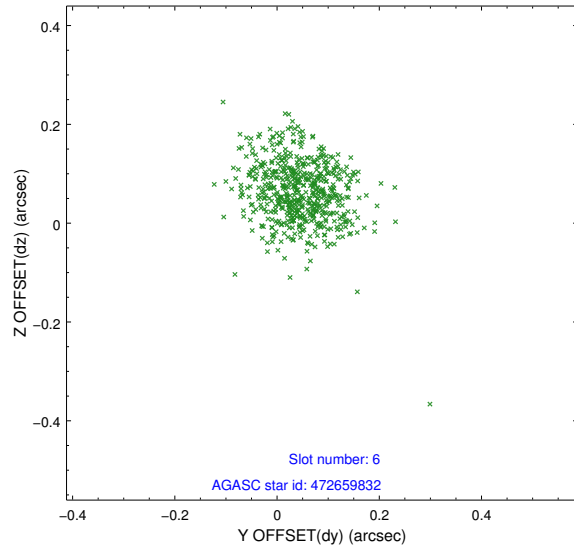
## 2.4.2 Slot 4



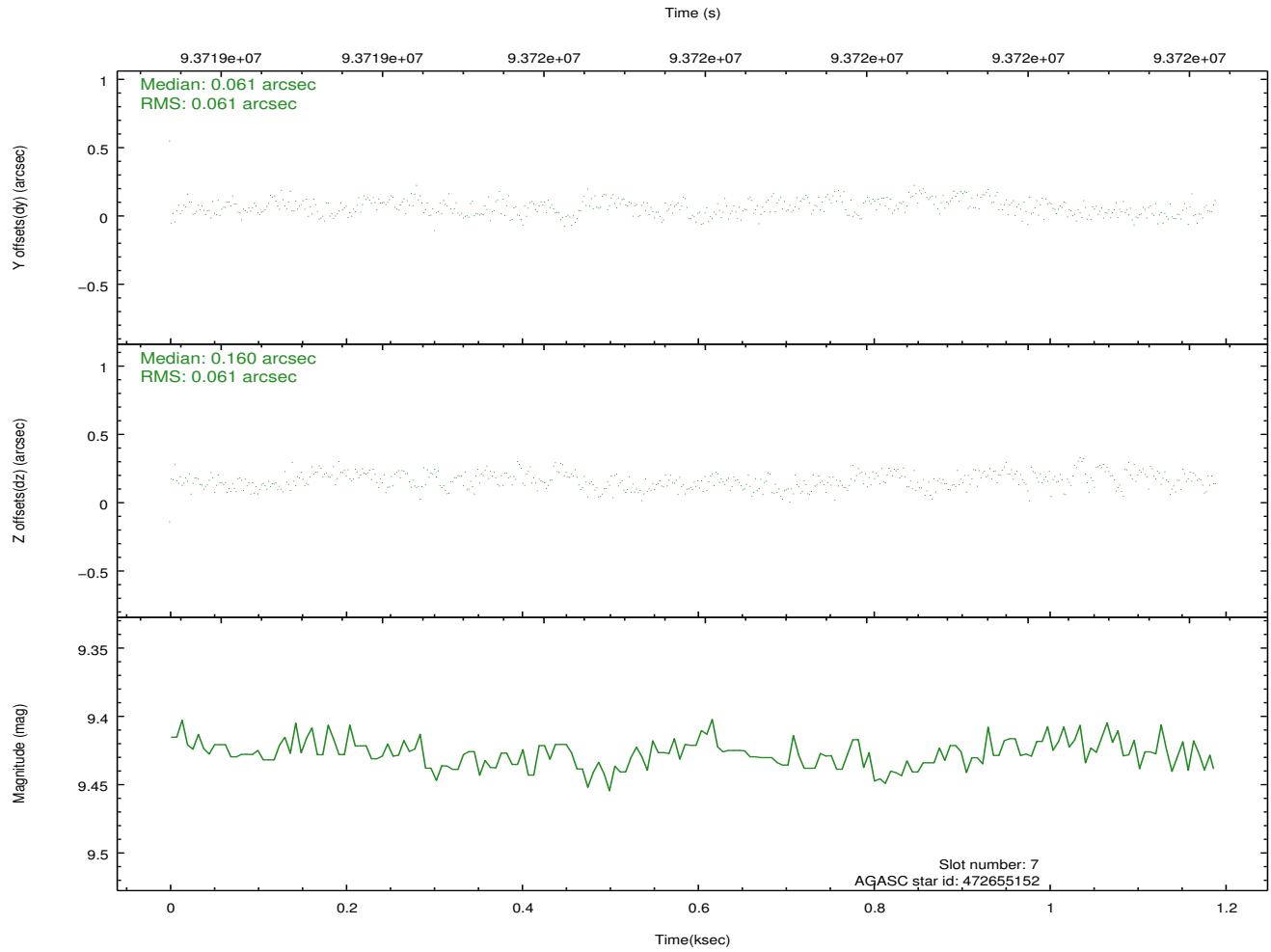
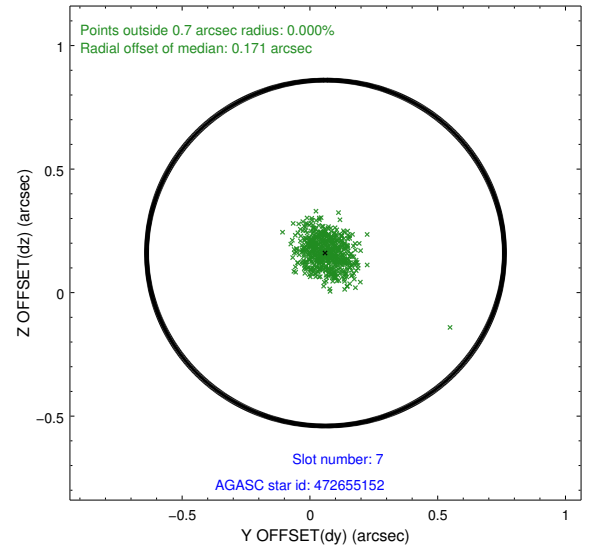
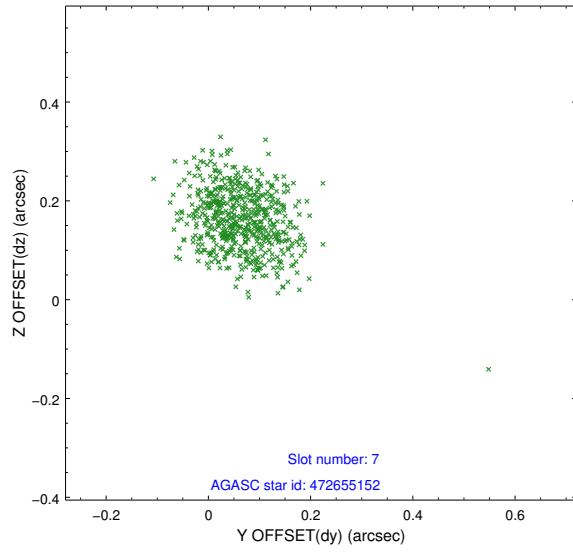
### 2.4.3 Slot 5



## 2.4.4 Slot 6

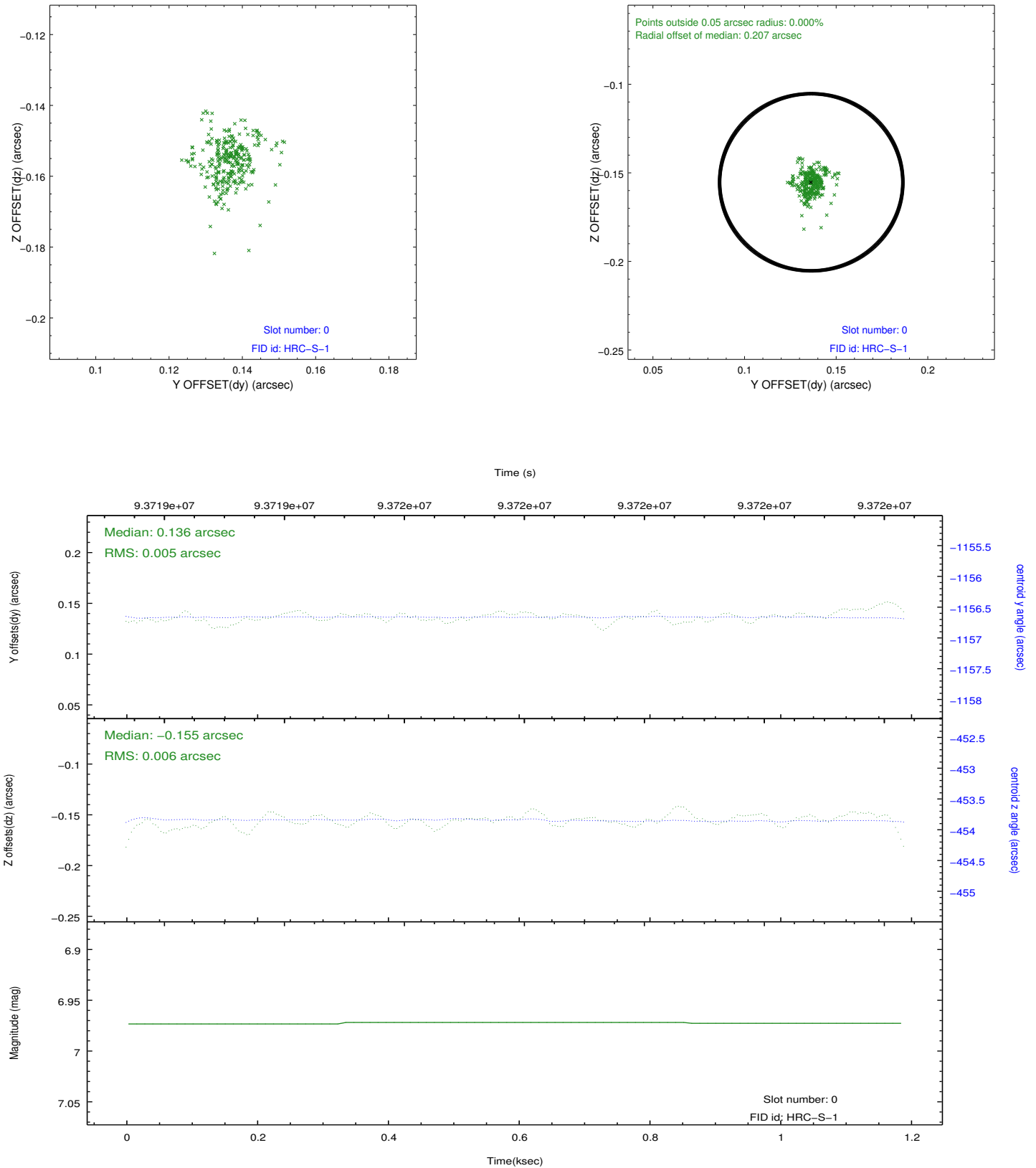


## 2.4.5 Slot 7

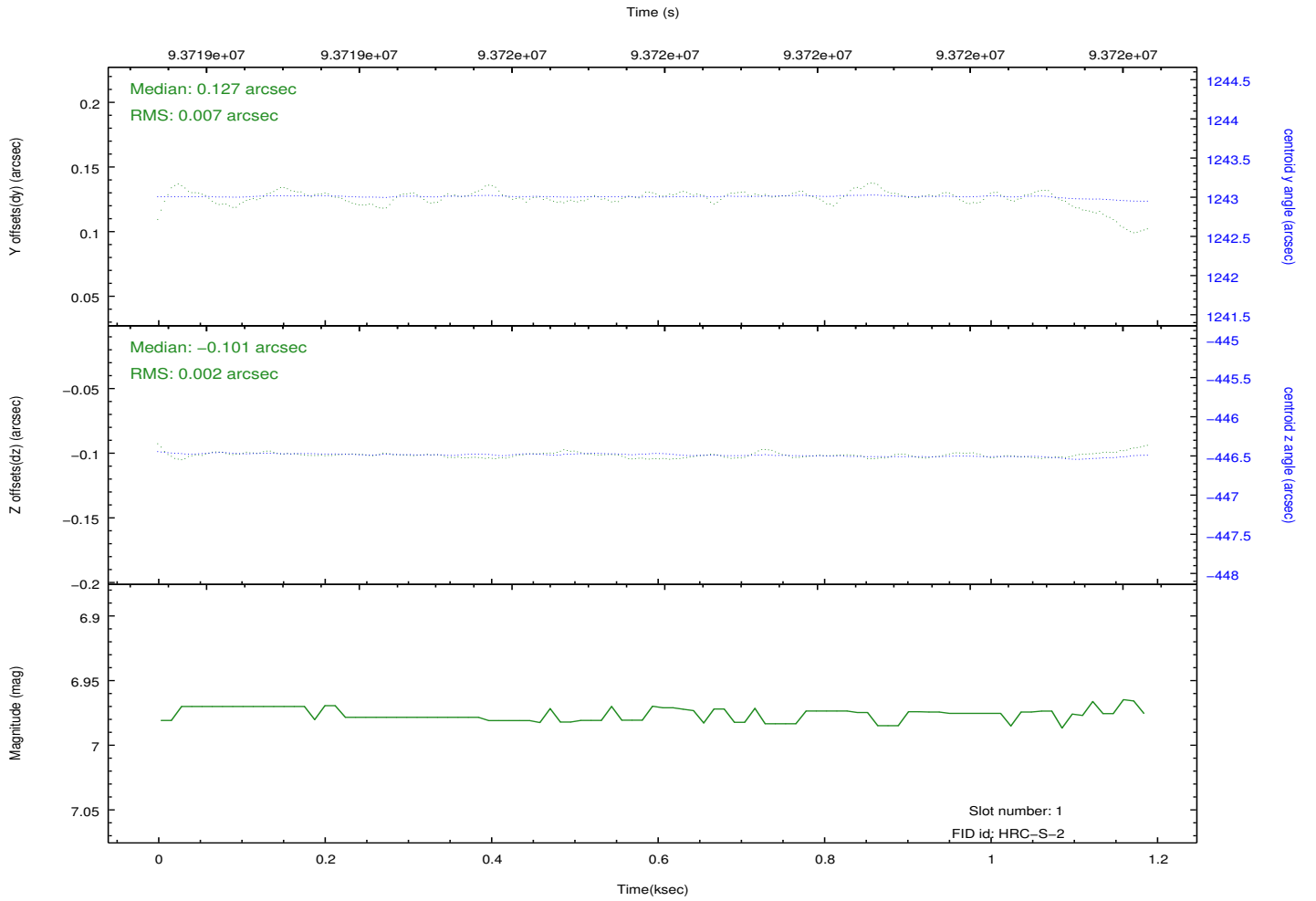
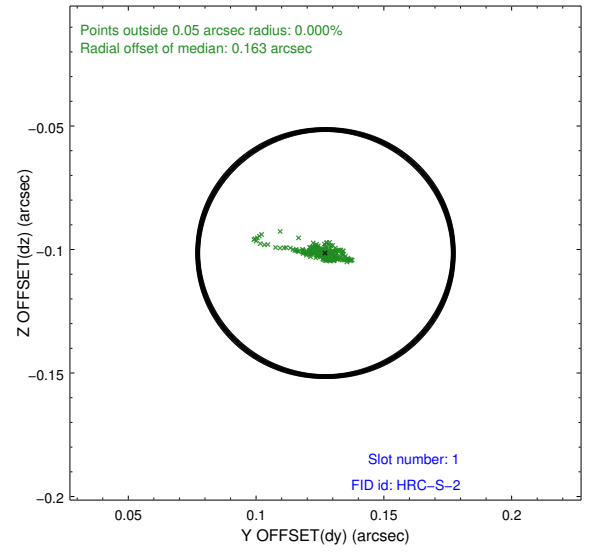
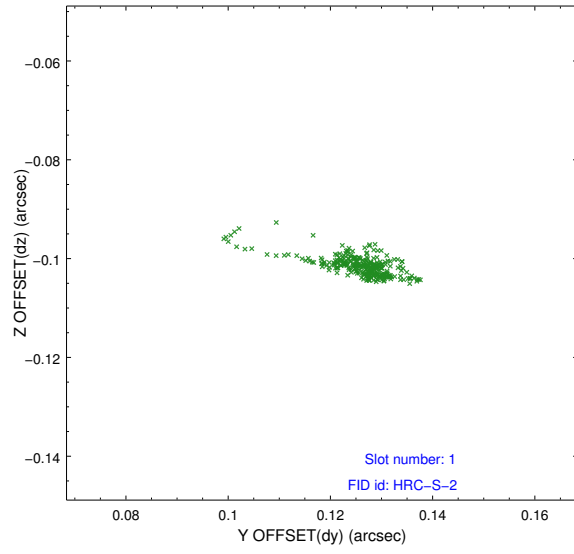


## 2.5 FID Slots

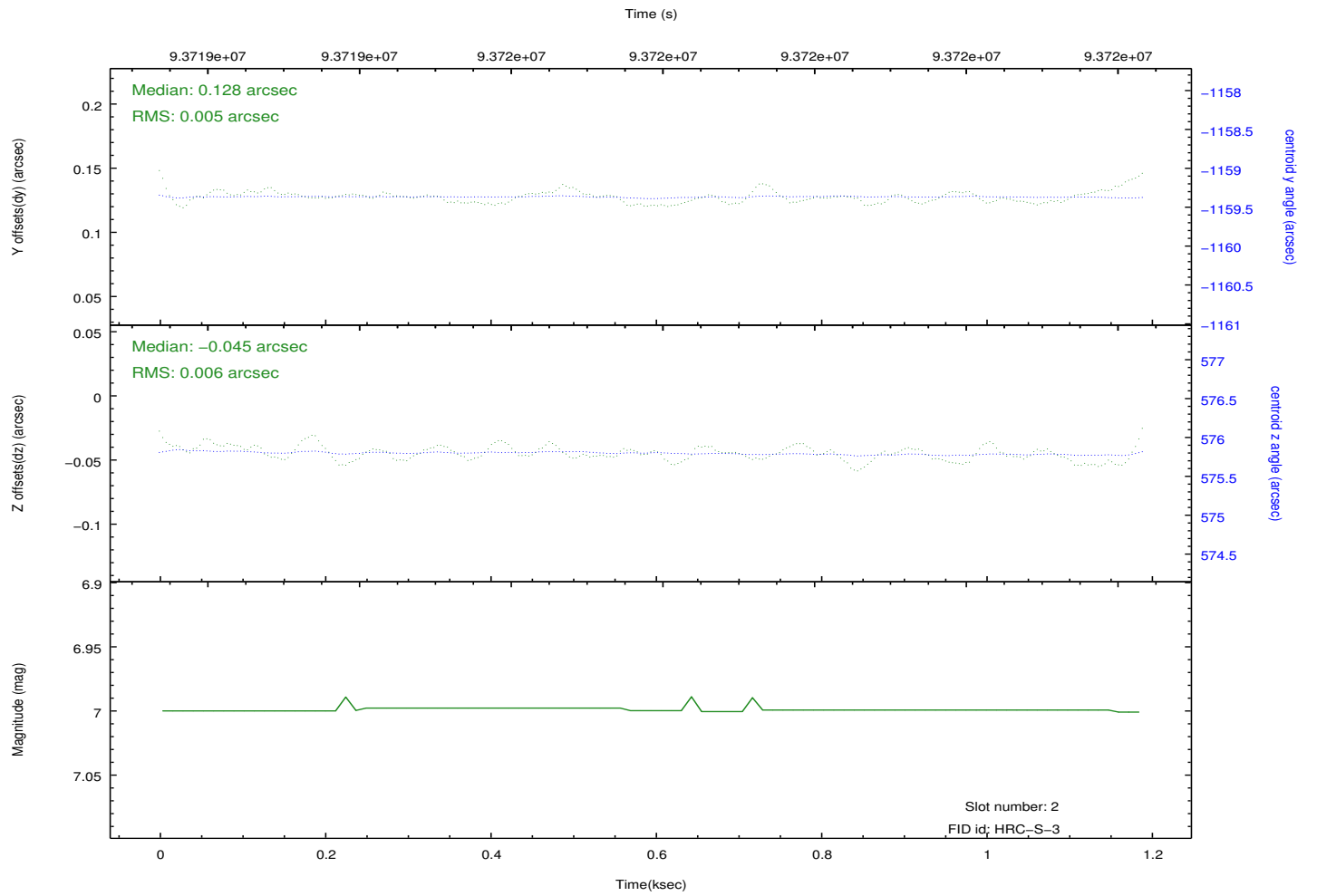
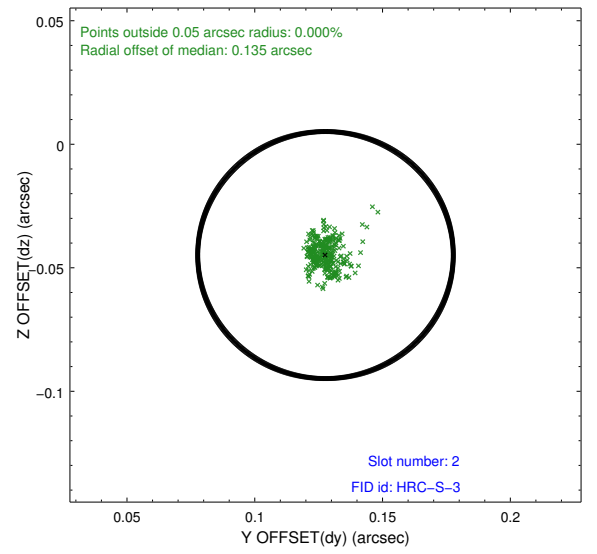
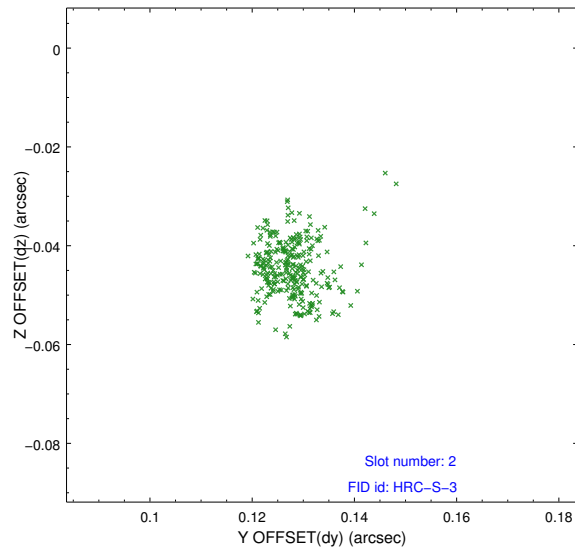
### 2.5.1 Slot 0



## 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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.184

## A.2 Comments

Charge time for this ObsId remains at previous value of 1.184 ks although with the current processing the charge time would have been 1.14 ksec.