

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9644 - L2 Version 3  
Chandra X-Ray Center

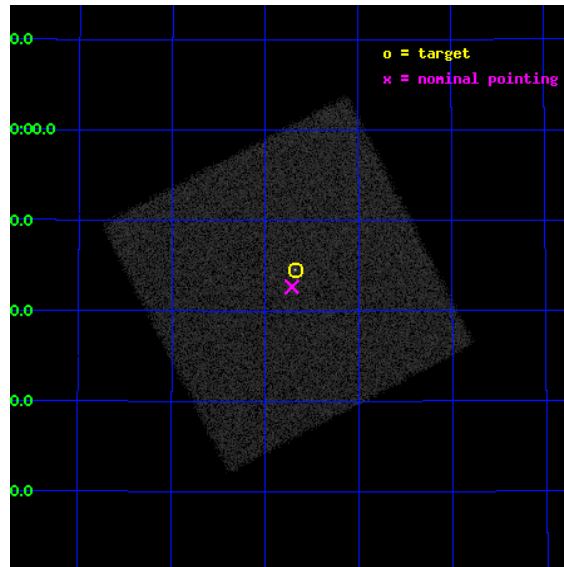
L2 Processing Date : Aug 12 2012

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# 1 Front

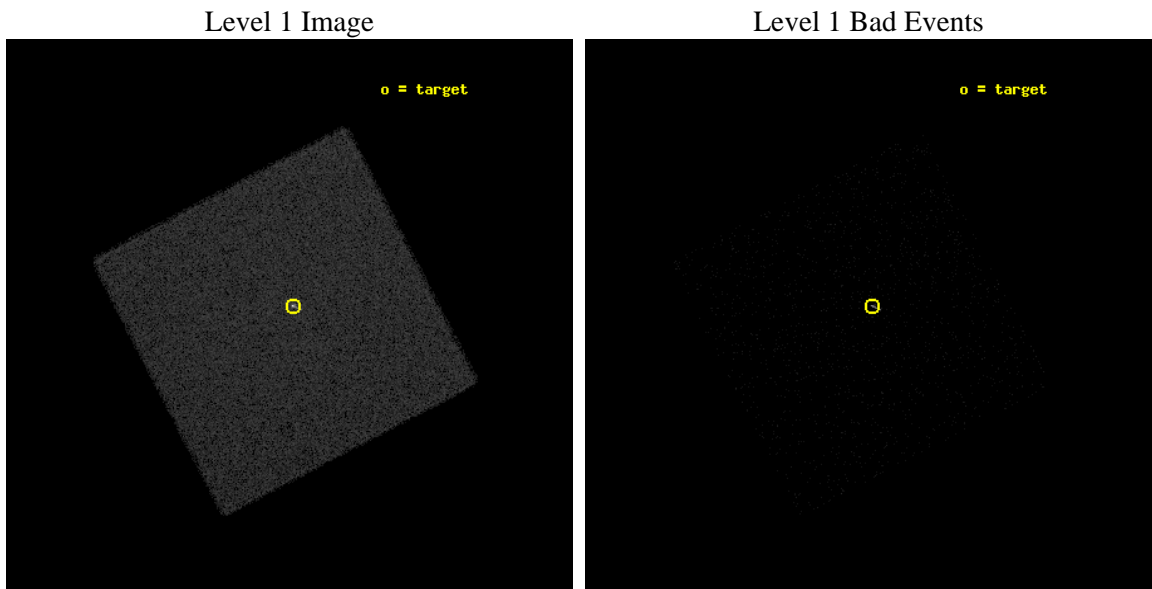
seq_num	290767	Sequence number
obs_id	9644	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17862986754	Nominal RA [deg]
dec_nom	45.711425103667	Nominal Dec [deg]
roll_nom	197.52881954766	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1362.4813168049	[s]
livetime	1346.9415619978	Ontime multiplied by DTCOR
l2events	96697	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	1362.4813168049	[s]
caldbver	4.5.1.1	&#160	l1events	174609	Number of level 1 events
date	2012-08-12T18:26:17	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

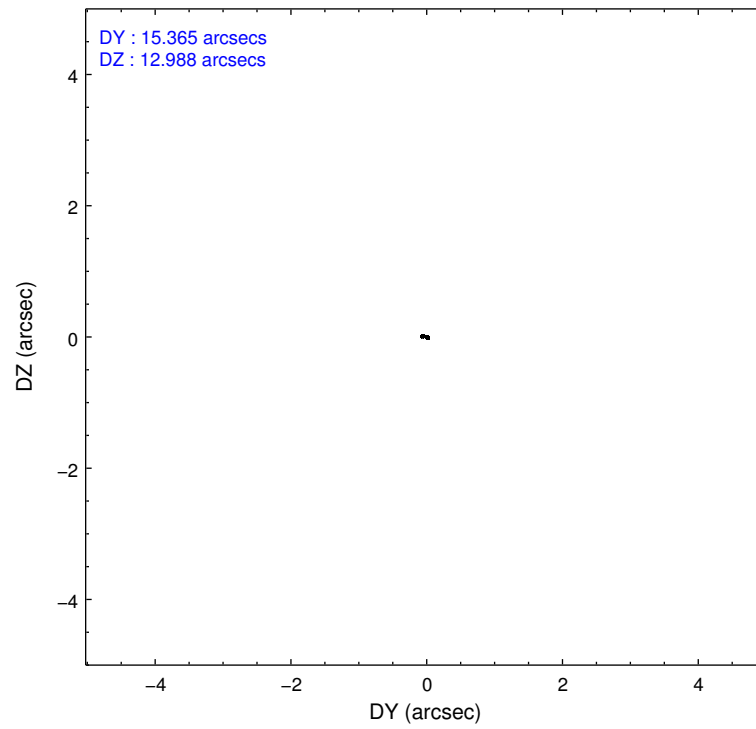
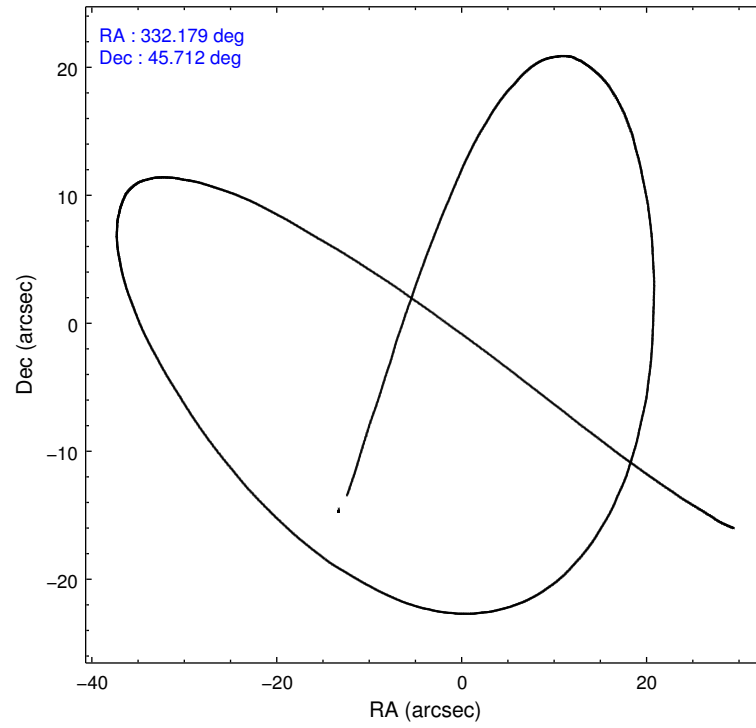
	<b>segment 0</b>
level 1 events	174609
rejected events	36556
rejected %	20%

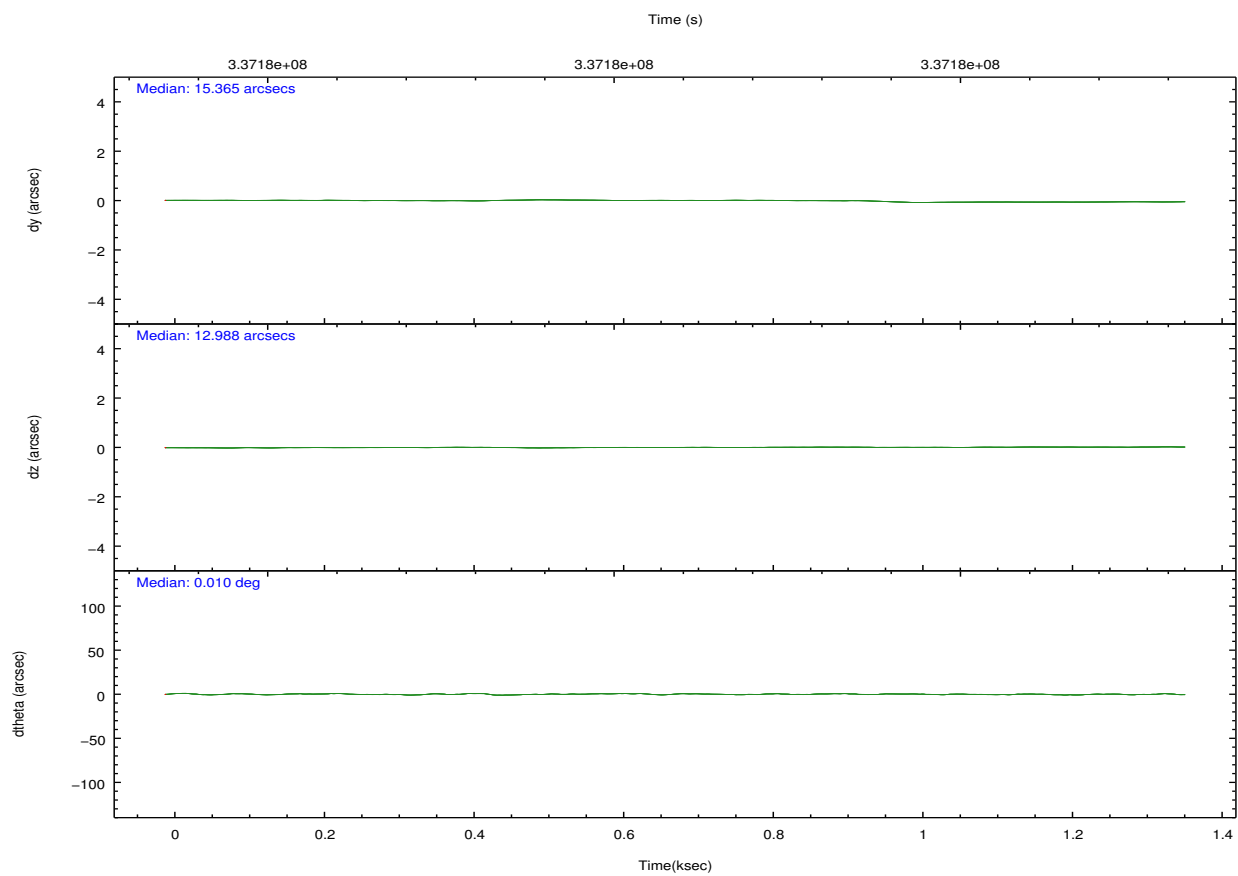
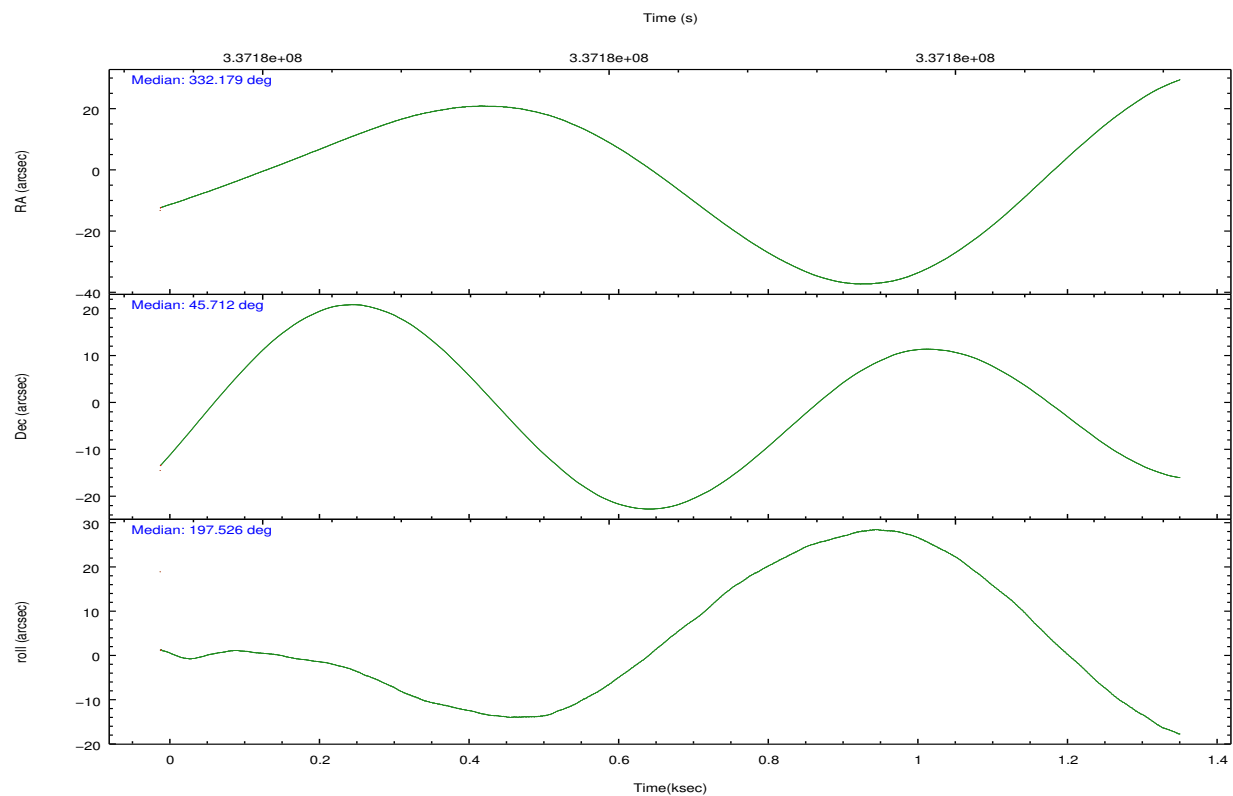
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.204060	332.1786298675376
[deg] Pointing Dec	45.731325	45.71142510366712
[deg] Pointing Roll	197.606107	197.5288195476568
[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)	337176587.184000	337176210.99302
Observation start date	2008-09-07T12:08:42	2008-09-07T12:03:30
[s] Observation end time (MET)	337177767.184000	337177901.2181
Observation end date	2008-09-07T12:28:22	2008-09-07T12:31:41

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

## 2.3 Aspect





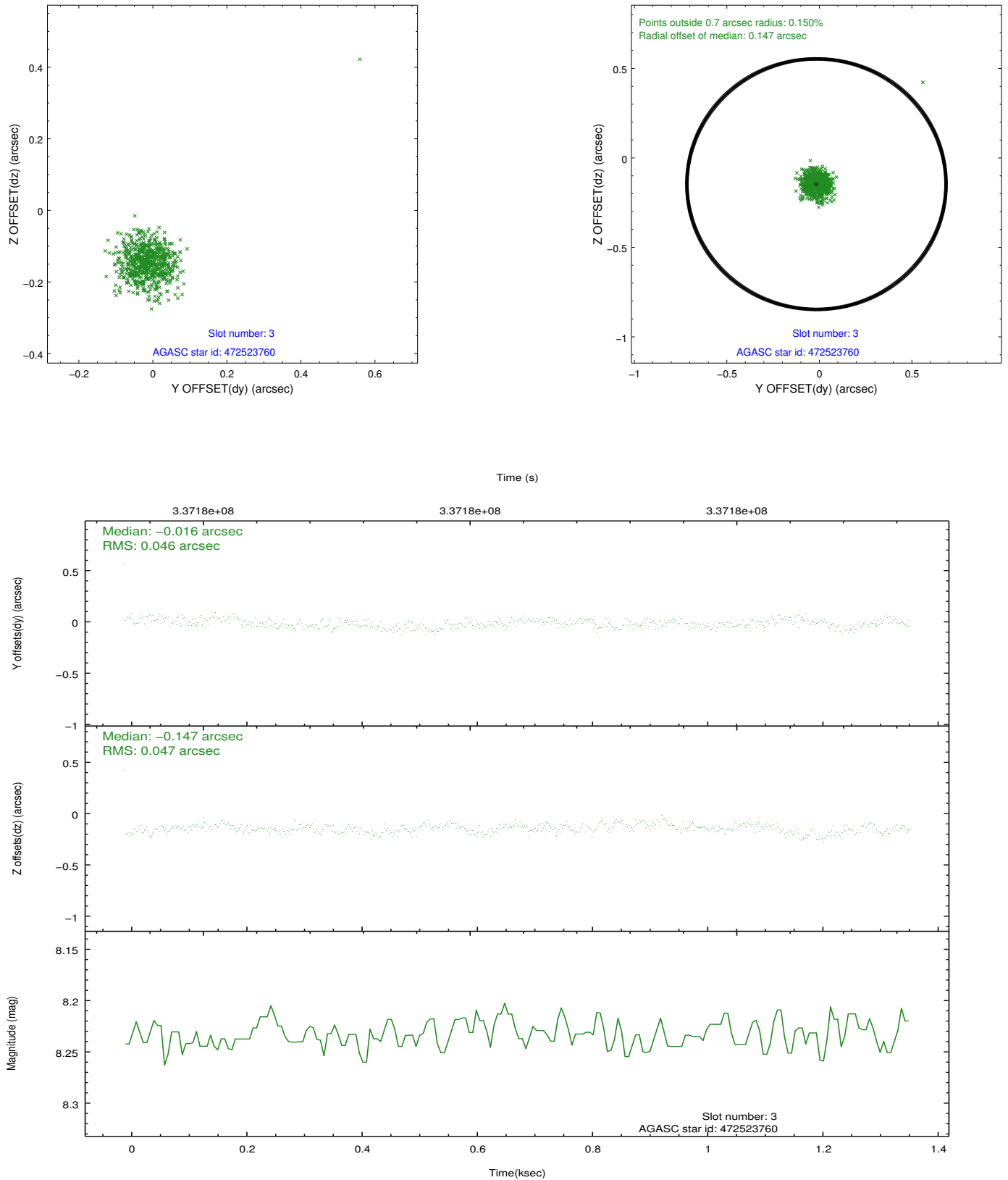
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	333	-0.057	0.011	0.006	0.011	0.000000	0.000000	-771.25	-1300.98
1	FID	HRC-I-2	7.03	333	0.236	-0.151	0.006	0.010	0.000000	0.000000	839.35	-1306.66
2	FID	HRC-I-3	7.09	333	-0.059	0.050	0.006	0.011	0.000000	0.000000	-1197.17	999.71
3	GUIDE	472523760	8.23	666	-0.016	-0.147	0.062	0.097	331.645363	45.403260	1703.25	695.96
4	GUIDE	472525528	6.62	666	-0.373	-0.105	0.079	0.138	331.551102	45.248694	2104.50	1152.27
5	GUIDE	472655152	9.43	666	0.107	0.062	0.123	0.201	332.504239	45.862991	-856.41	-221.55
6	GUIDE	472663080	9.41	666	0.092	0.177	0.117	0.185	332.652741	46.473840	-1869.53	-2212.53
7	GUIDE	472665256	9.02	665	0.185	0.013	0.086	0.139	332.808125	46.195041	-1942.65	-1142.57

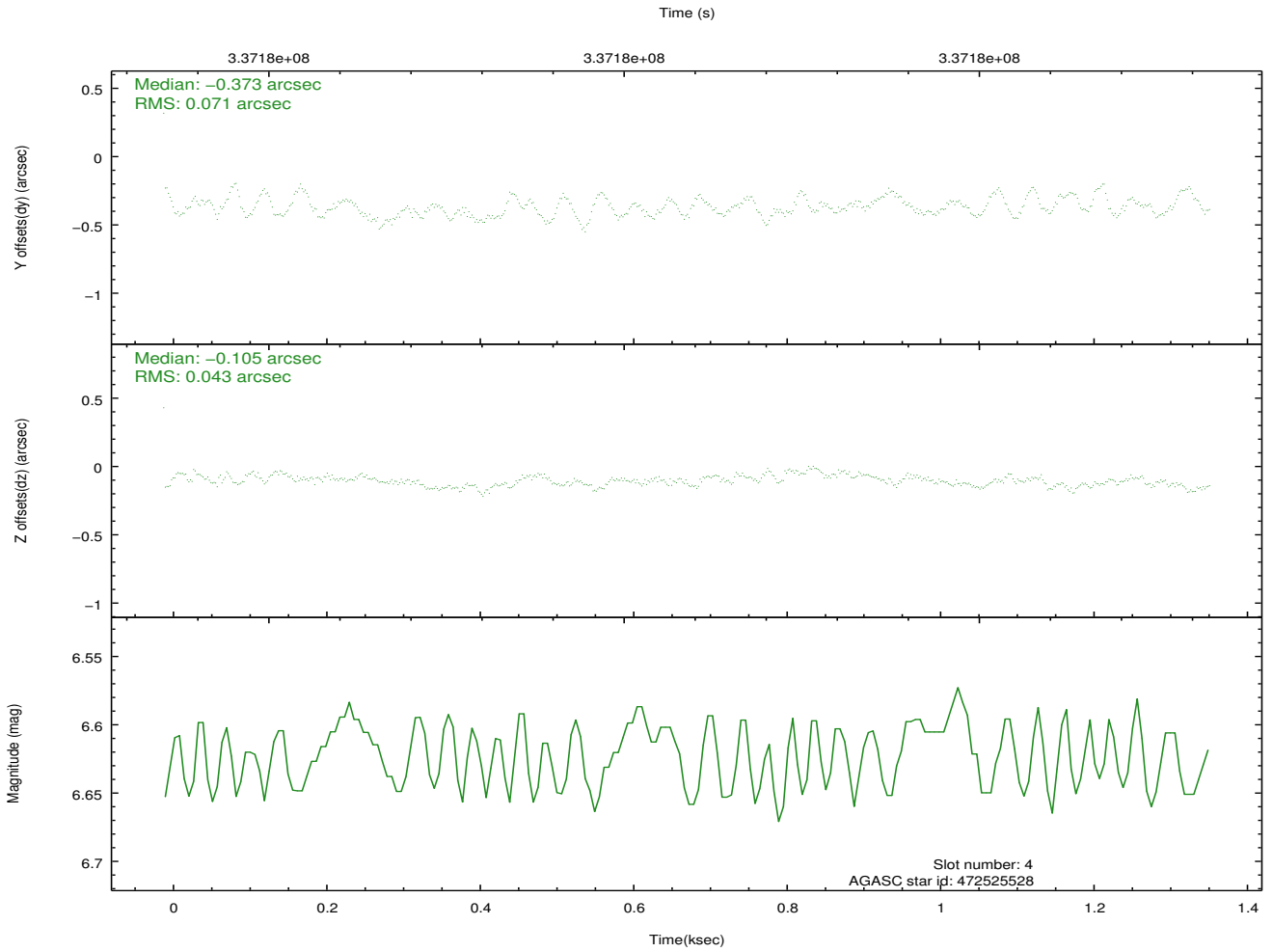
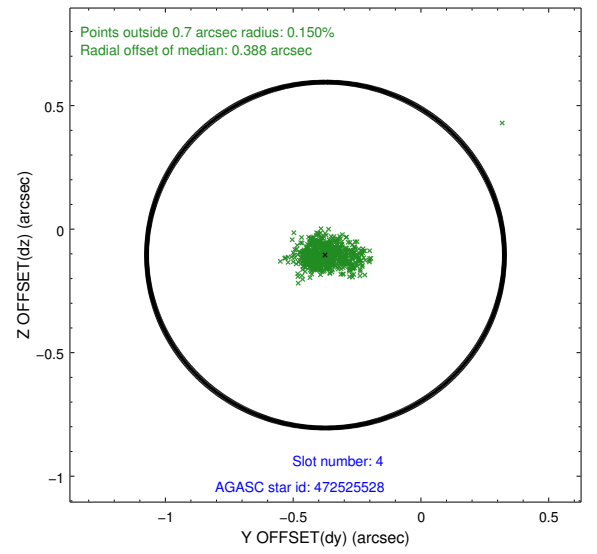
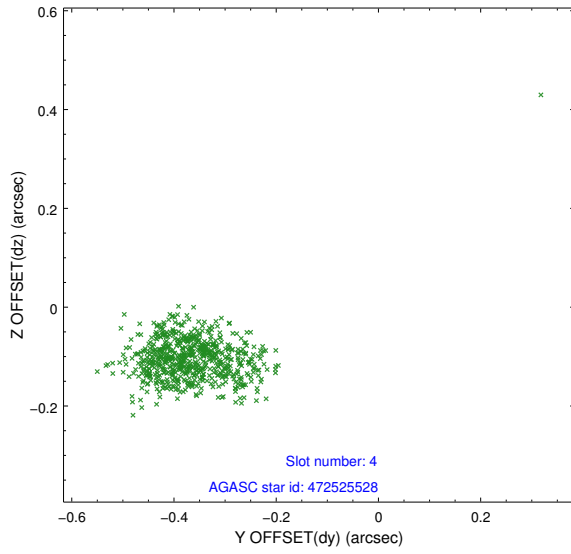


## 2.4 Star Slots

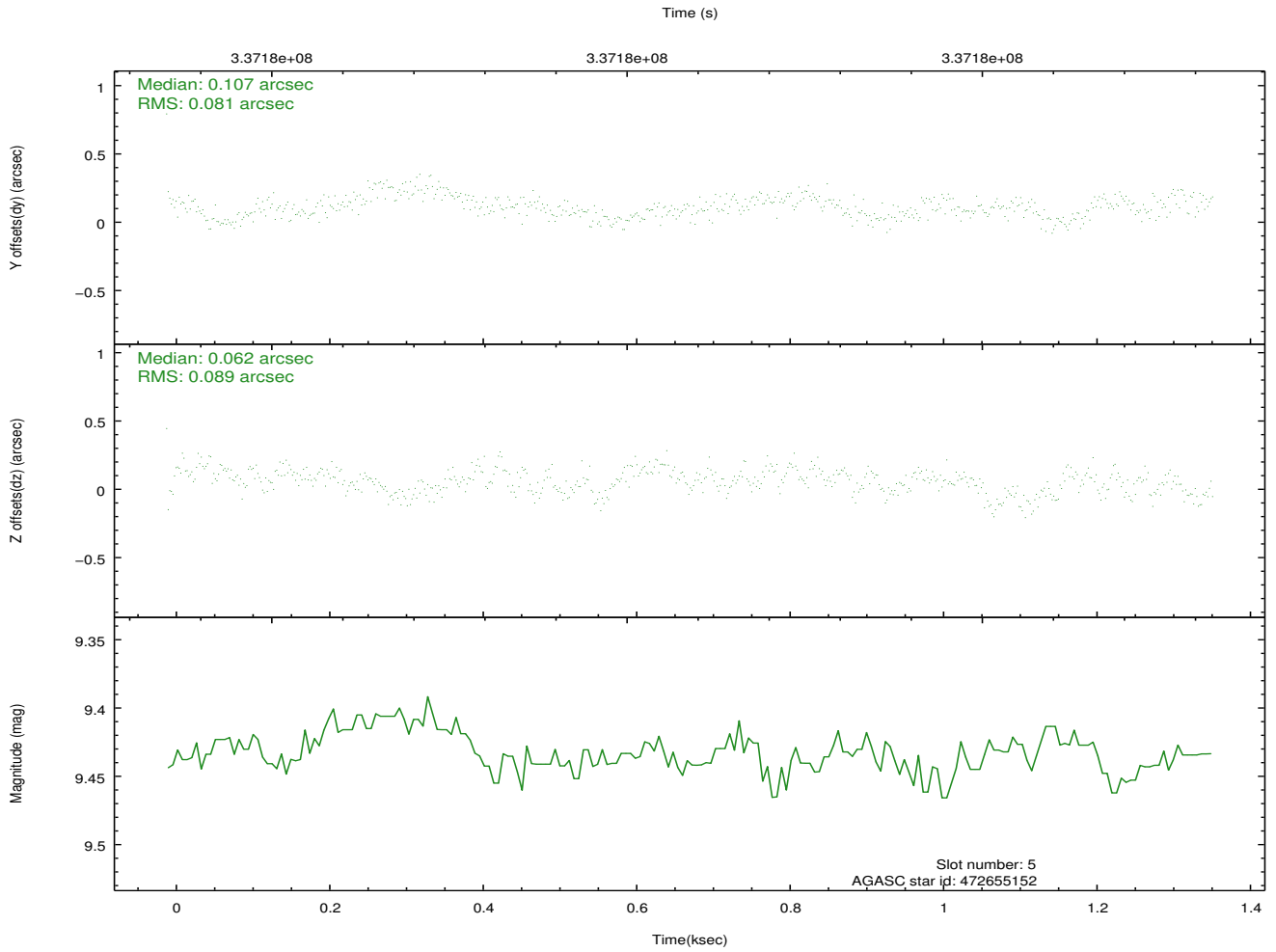
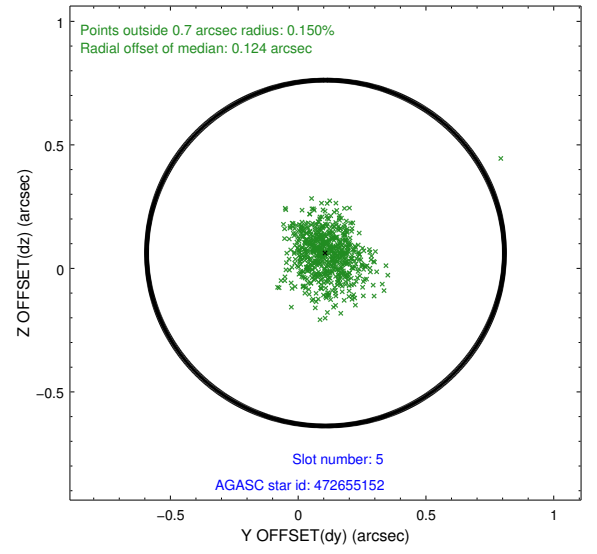
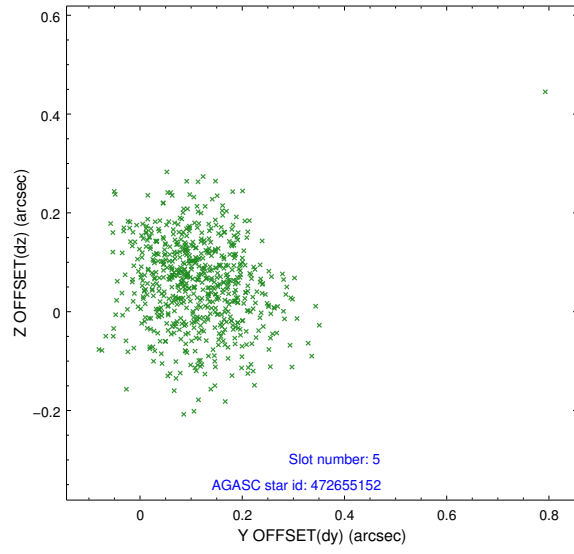
### 2.4.1 Slot 3



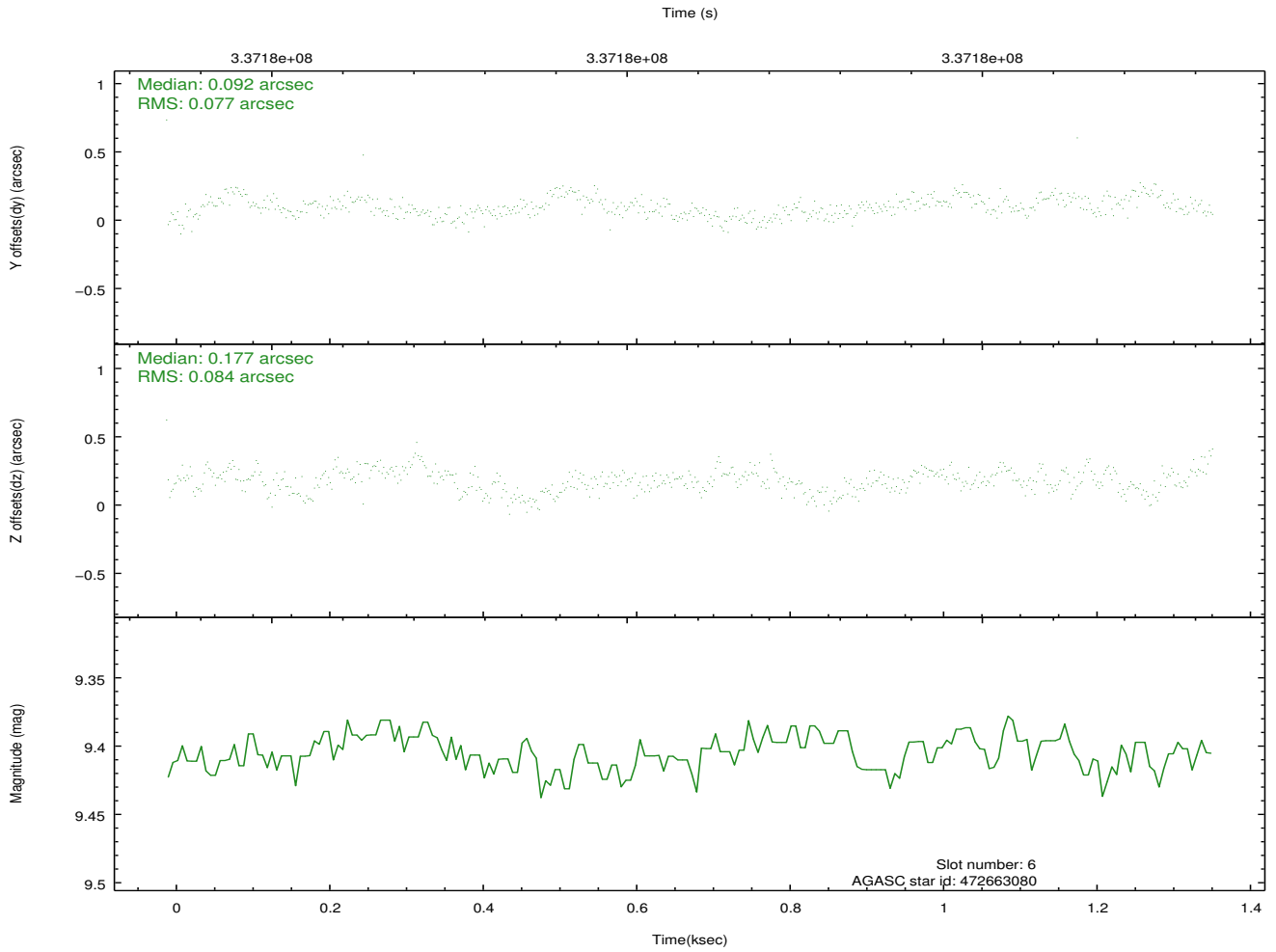
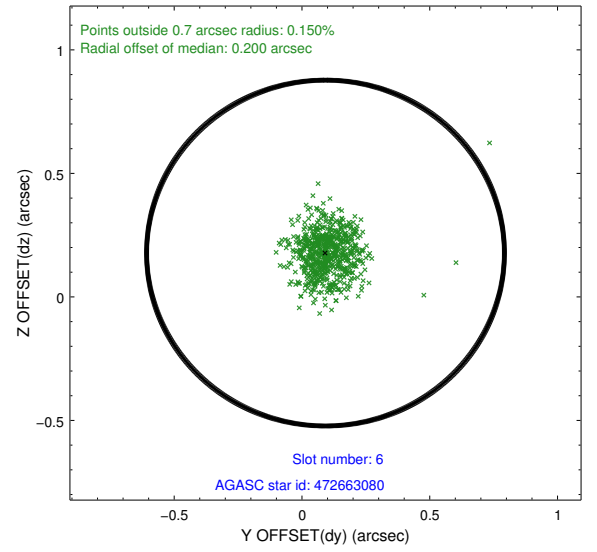
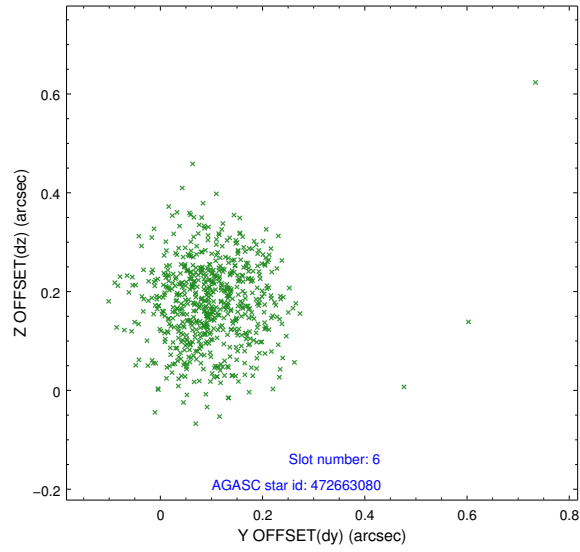
## 2.4.2 Slot 4



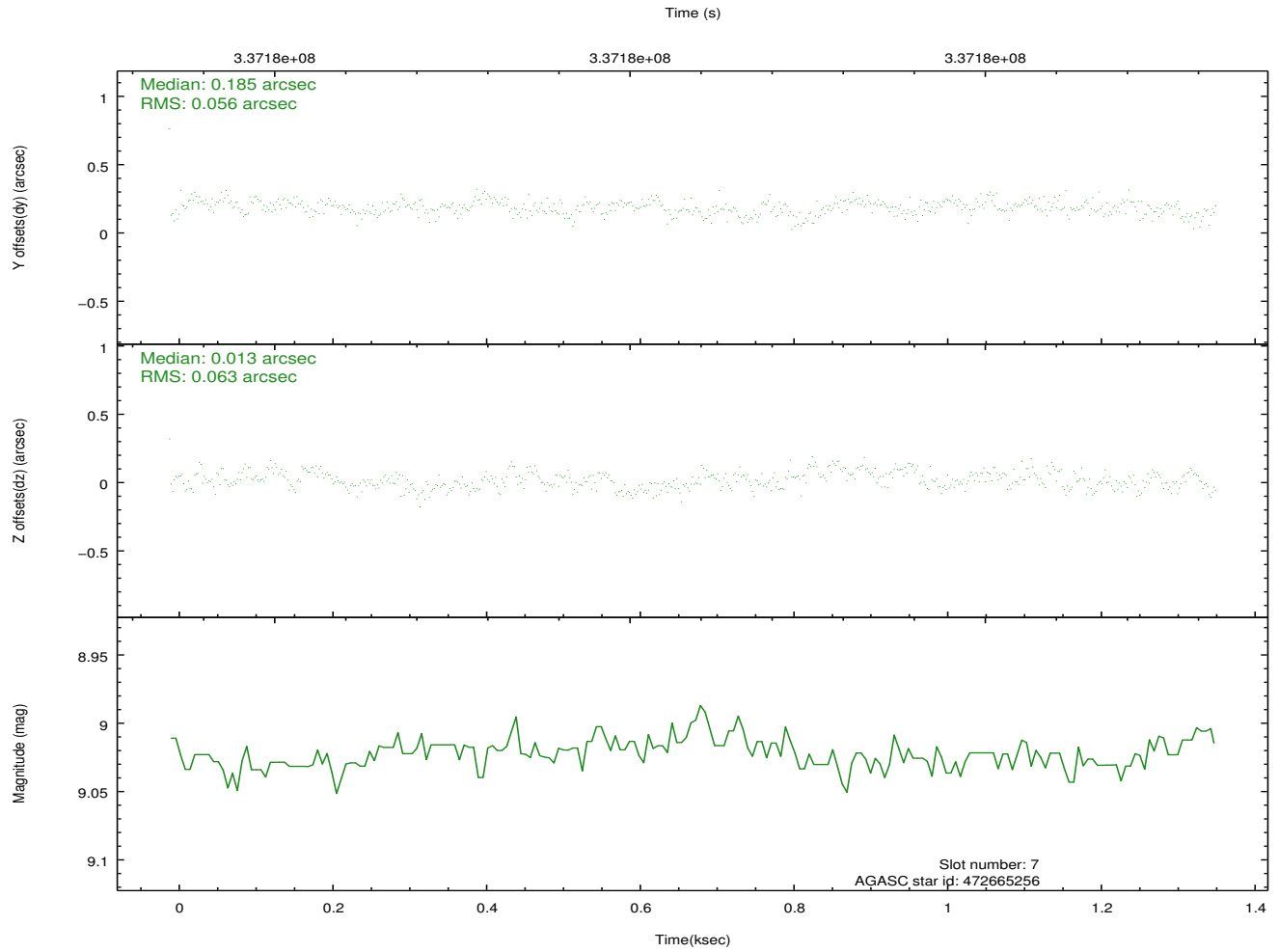
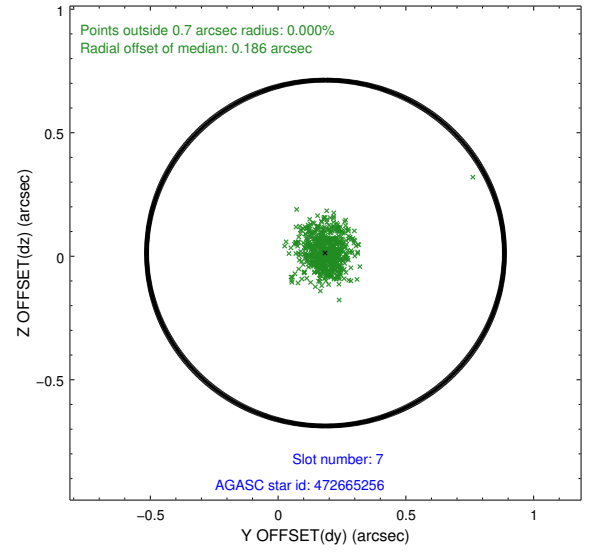
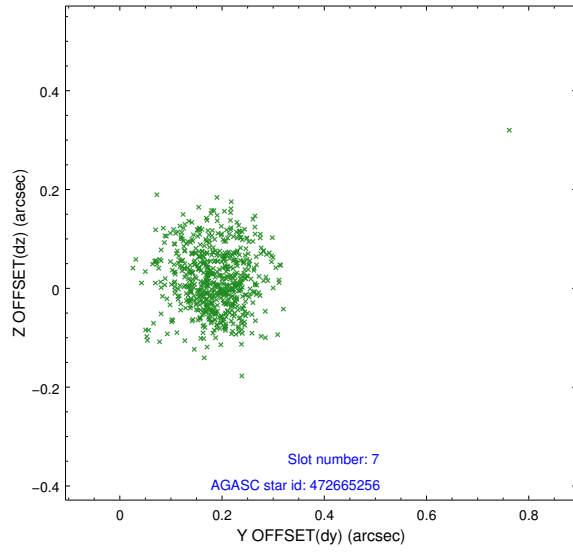
### 2.4.3 Slot 5



## 2.4.4 Slot 6

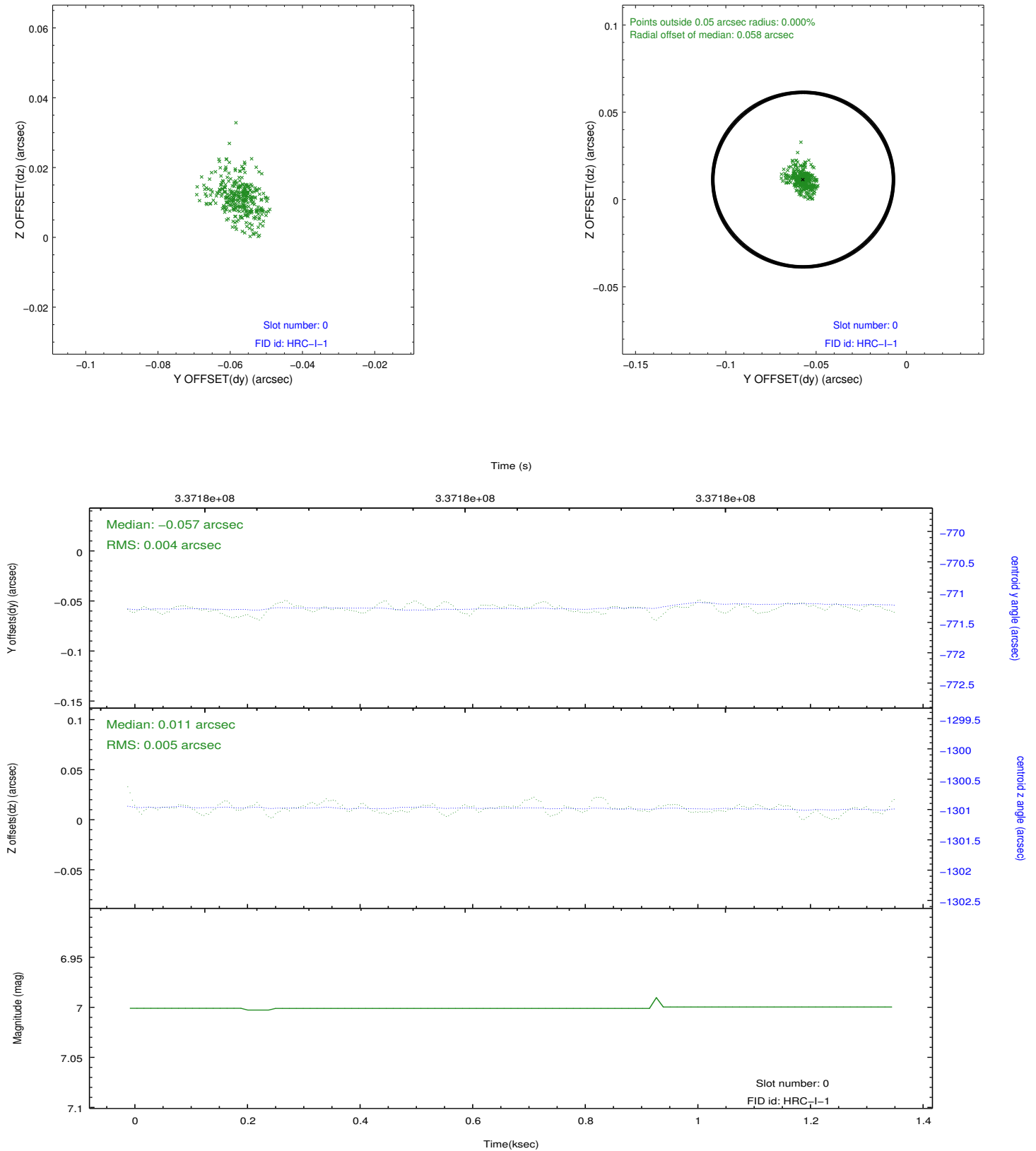


### 2.4.5 Slot 7

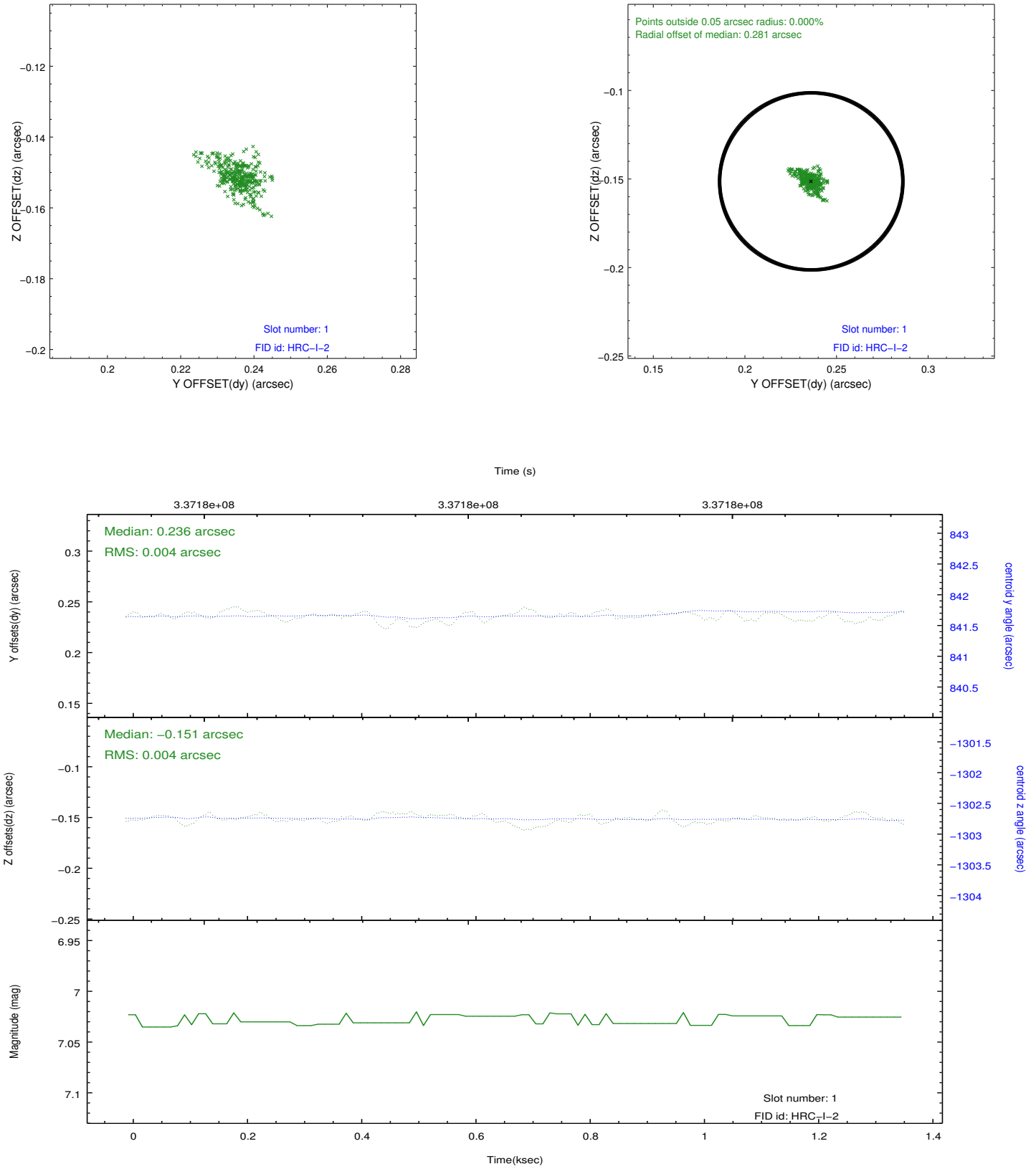


## 2.5 FID Slots

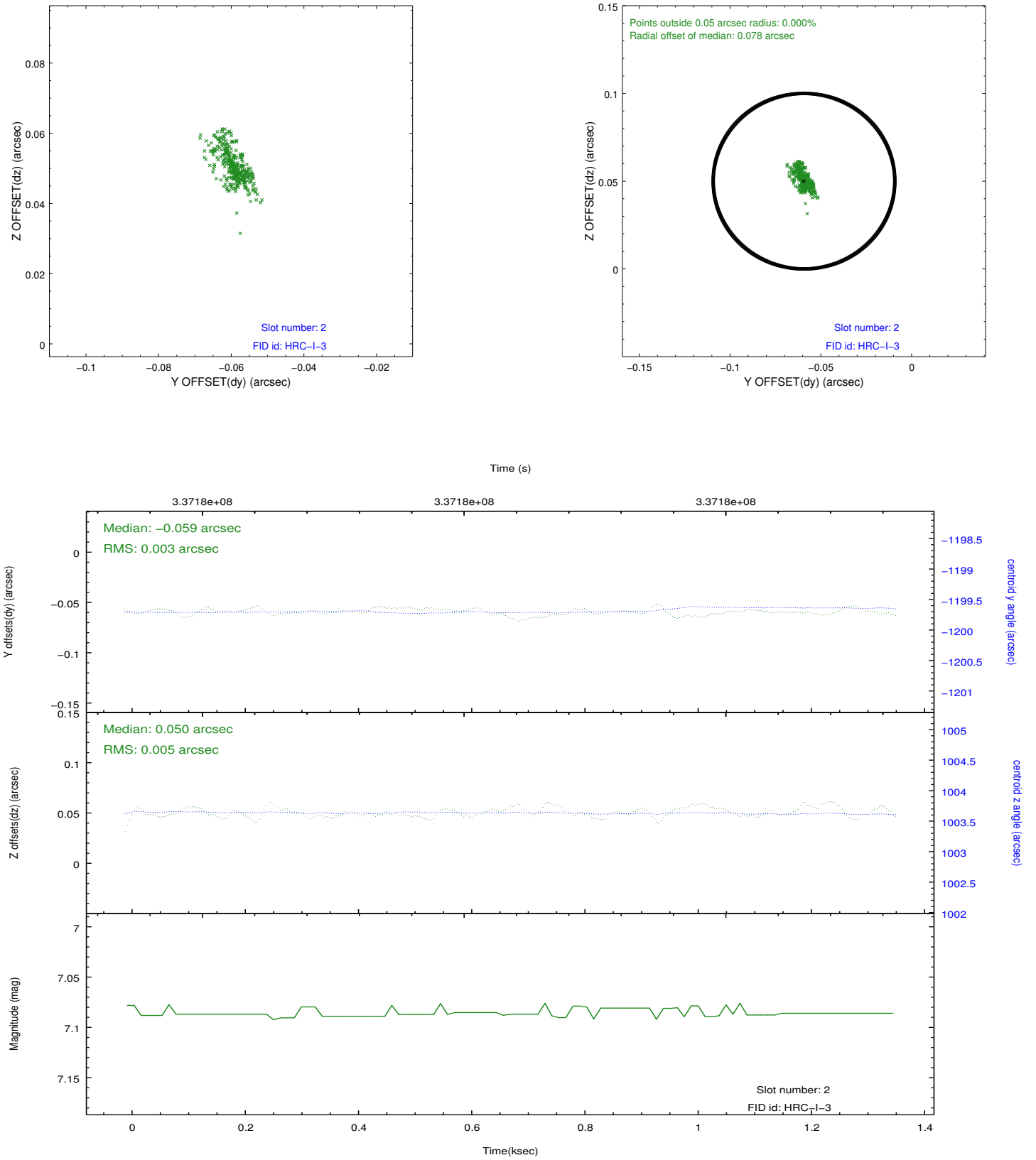
### 2.5.1 Slot 0



## 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	1.36248131

### A.2 Comments