

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2608 - L2 Version 5  
Chandra X-Ray Center

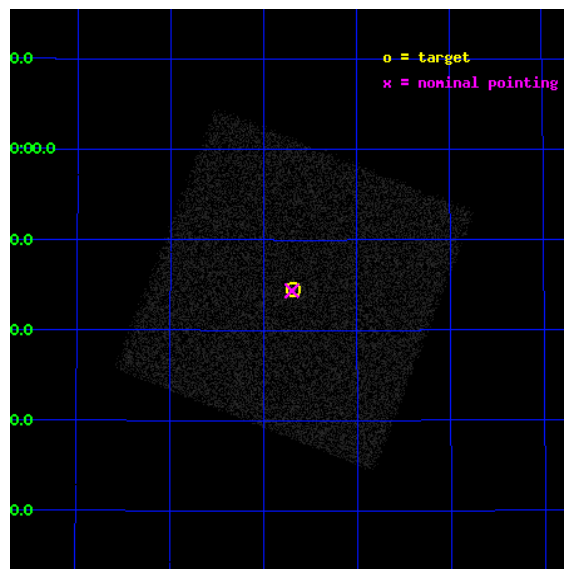
L2 Processing Date : Oct 1 2012

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# 1 Front

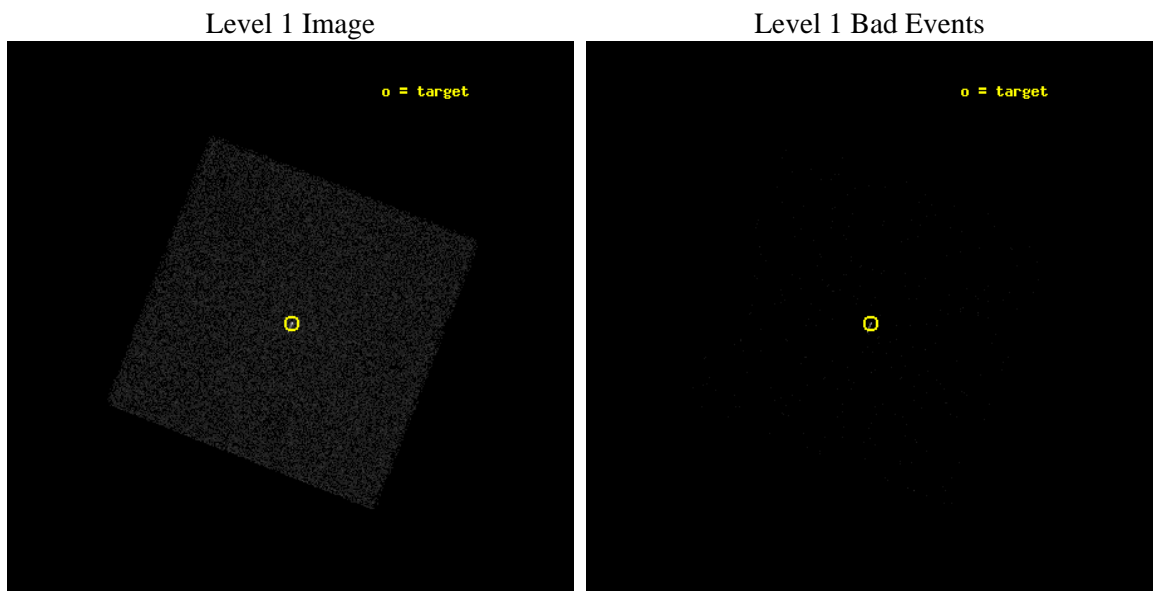
seq_num	290164	Sequence number
obs_id	2608	Observation id
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17412918186	Nominal RA [deg]
dec_nom	45.739650754173	Nominal Dec [deg]
roll_nom	336.42745936397	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1196.4312982112	[s]
livetime	1189.7342776327	Ontime multiplied by DTCOR
l2events	37900	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1196.4312982112	[s]
caldbver	4.5.2	&#160	l1events	68246	Number of level 1 events
date	2012-10-01T03:03:47	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

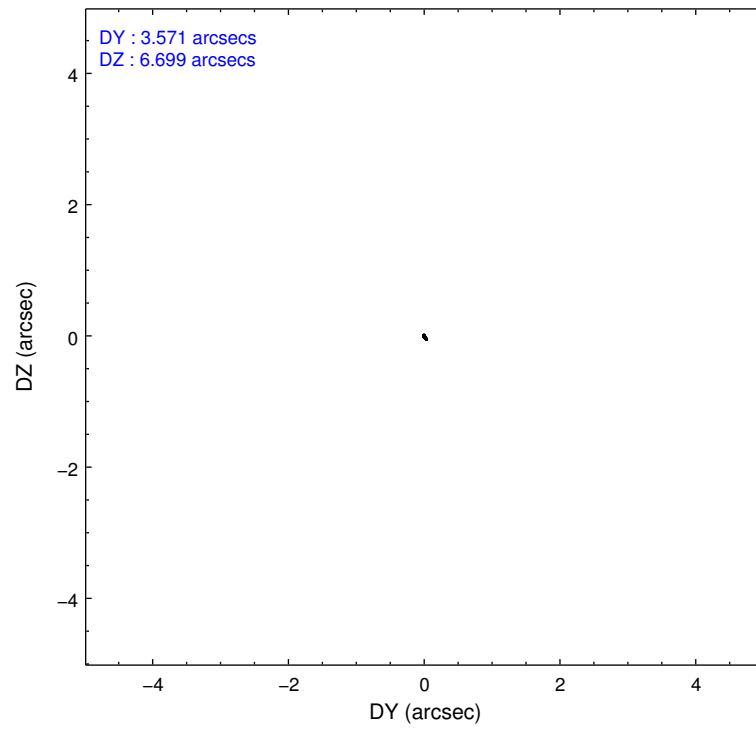
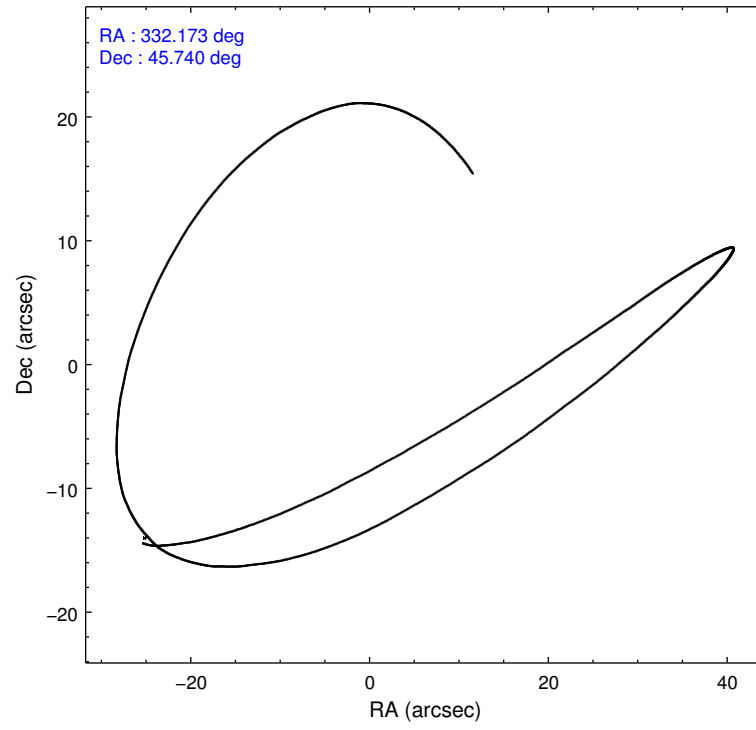
	<b>segment 0</b>
level 1 events	68246
rejected events	13987
rejected %	20%

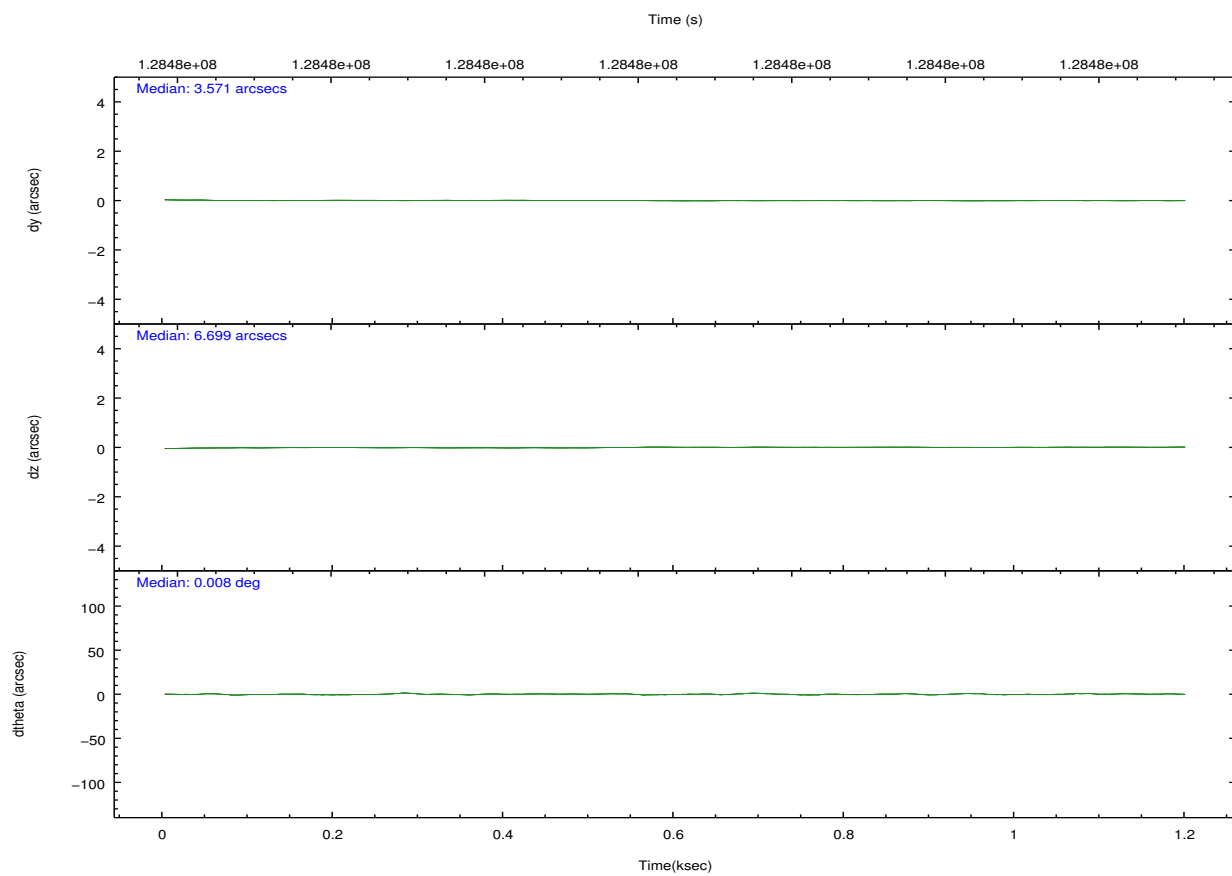
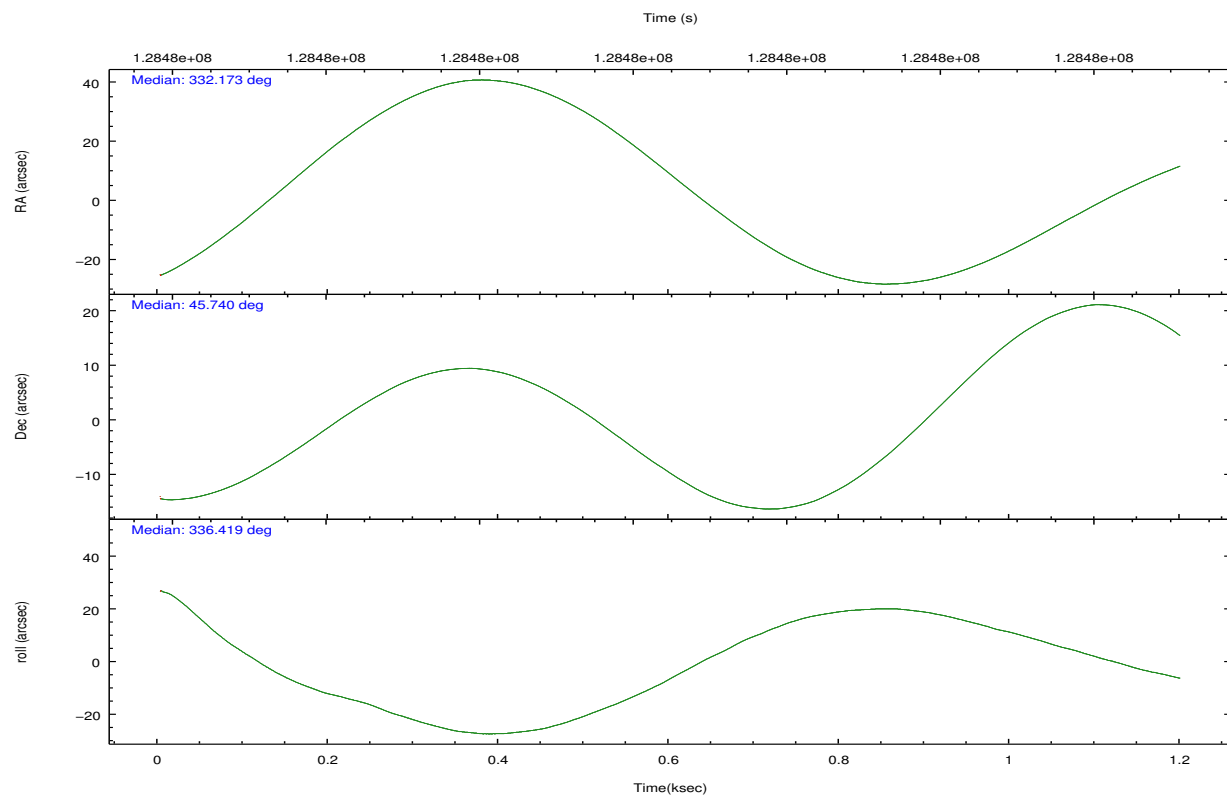
## 2.2 Compared Parameters

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	332.135652	332.1741291818556
[deg] Pointing Dec	45.735642	45.73965075417265
[deg] Pointing Roll	336.550498	336.4274593639676
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	128479849.184000	128479473.17732
Observation start date	2002-01-27T00:49:45	2002-01-27T00:44:33
[s] Observation end time (MET)	128480849.184000	128480983.00238
Observation end date	2002-01-27T01:06:25	2002-01-27T01:09:43

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

## 2.3 Aspect





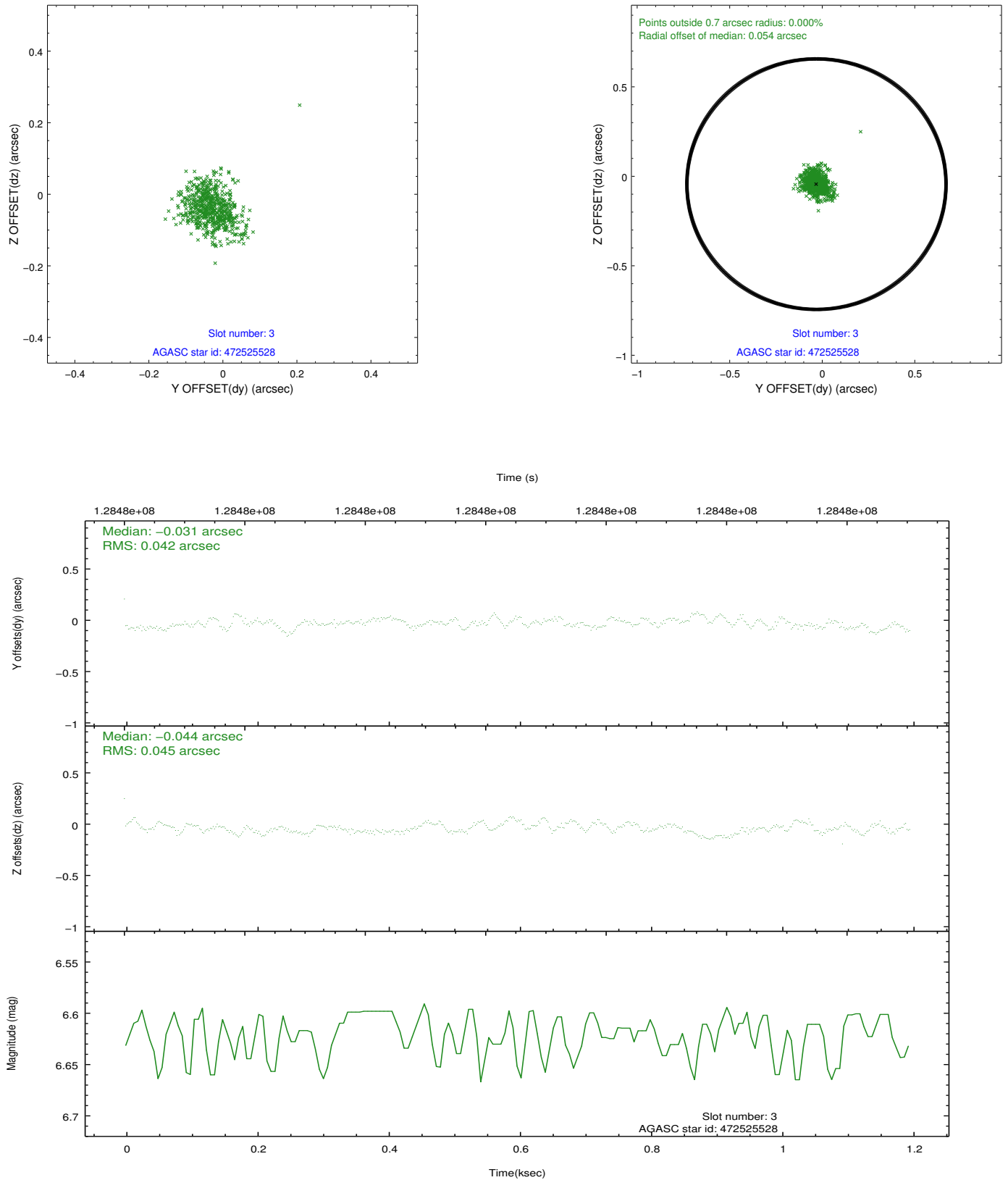
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	293	0.026	0.026	0.007	0.014	0.000000	0.000000	-759.01	-1294.57
1	FID	HRC-I-2	7.00	293	0.071	-0.062	0.006	0.011	0.000000	0.000000	851.07	-1300.62
2	FID	HRC-I-3	7.04	293	0.022	-0.053	0.006	0.009	0.000000	0.000000	-1184.64	1005.47
3	GUIDE	472525528	6.62	585	-0.031	-0.044	0.063	0.104	331.551102	45.248694	-662.87	-2194.83
4	GUIDE	472523760	8.23	585	-0.061	-0.154	0.073	0.116	331.645363	45.403260	-662.64	-1593.29
5	GUIDE	472659832	9.46	585	-0.006	0.101	0.128	0.246	332.780399	46.098139	953.87	1839.37
6	GUIDE	472654568	9.43	585	-0.023	0.016	0.114	0.184	332.194449	45.063576	1102.50	-2158.61
7	GUIDE	472655152	9.43	583	0.115	0.065	0.119	0.207	332.504239	45.862991	666.97	784.93

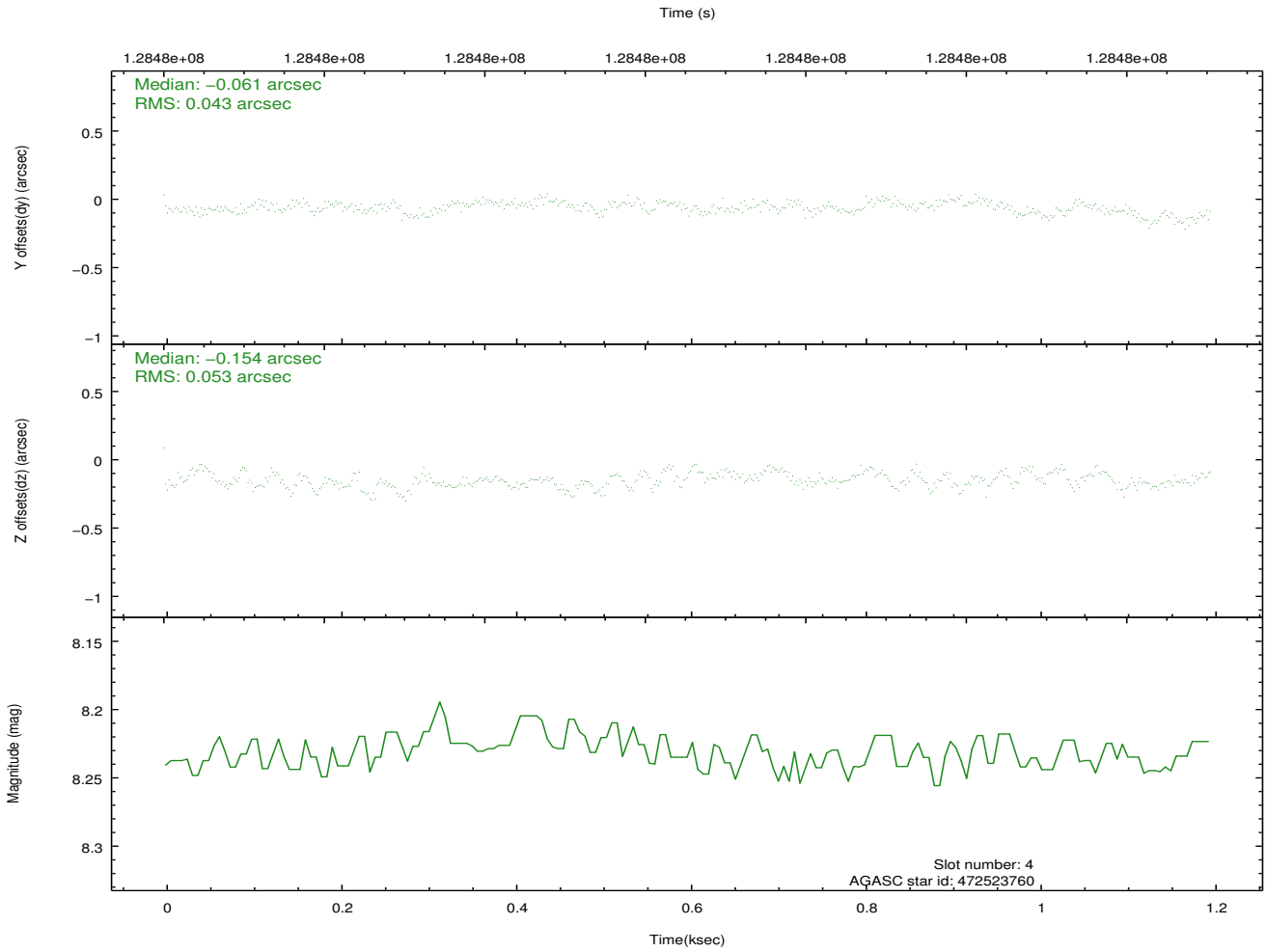
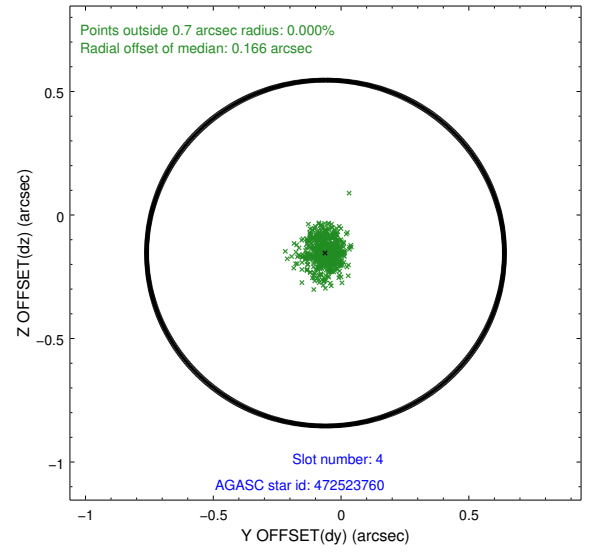
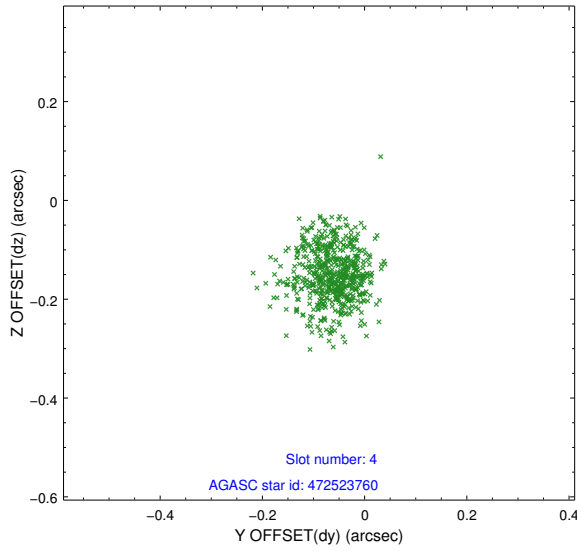


## 2.4 Star Slots

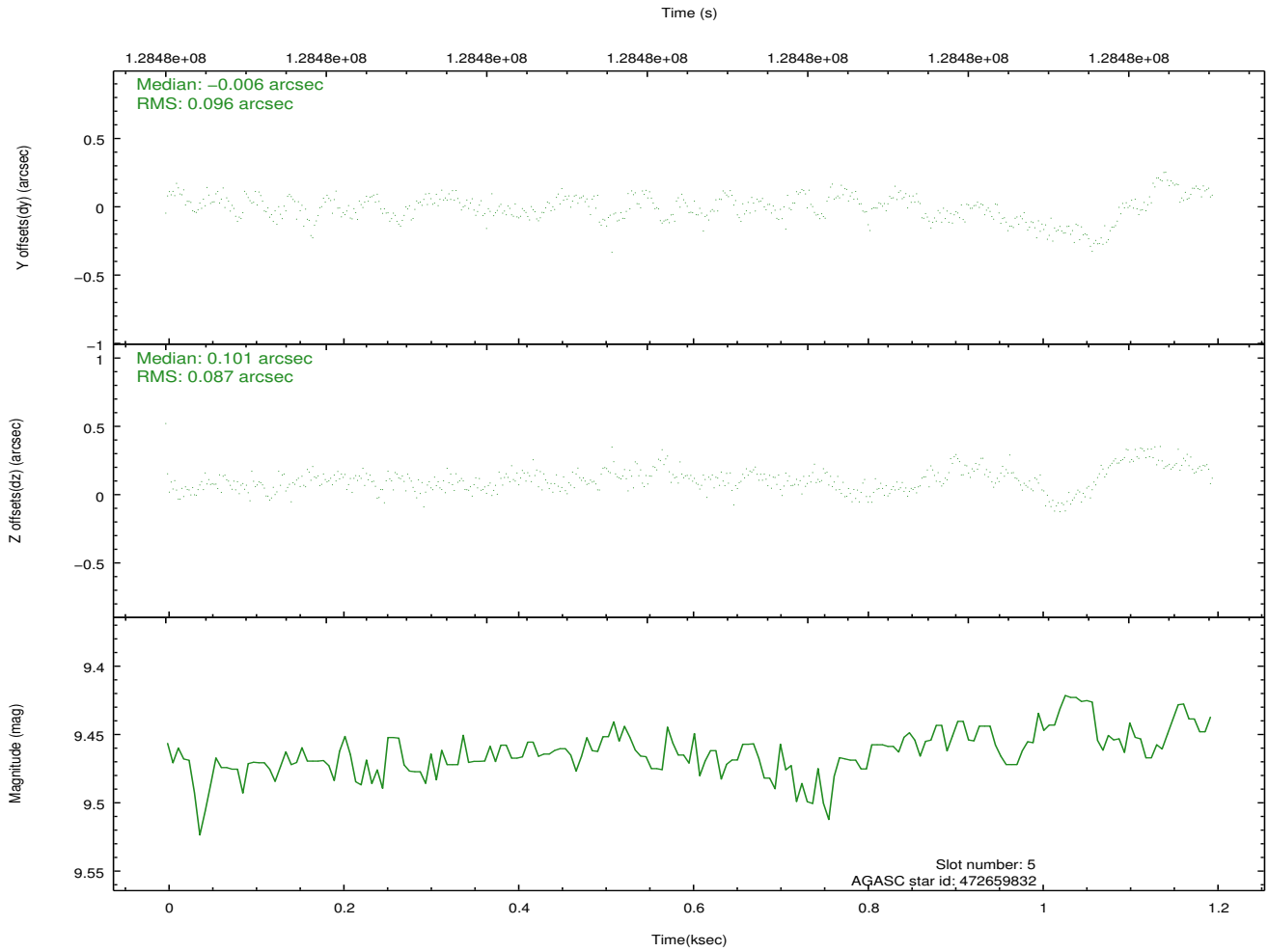
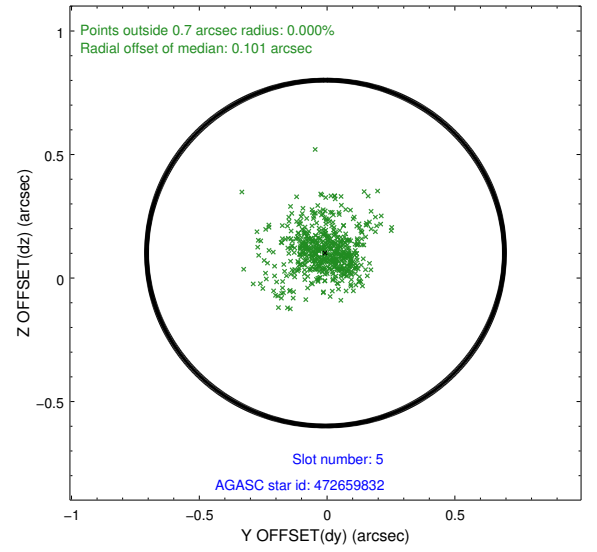
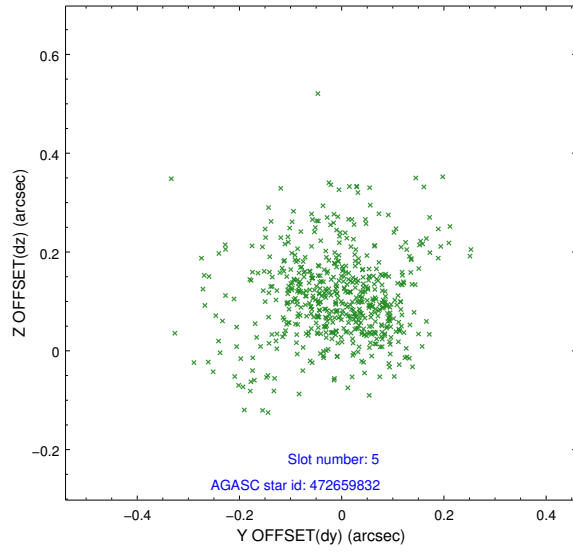
### 2.4.1 Slot 3



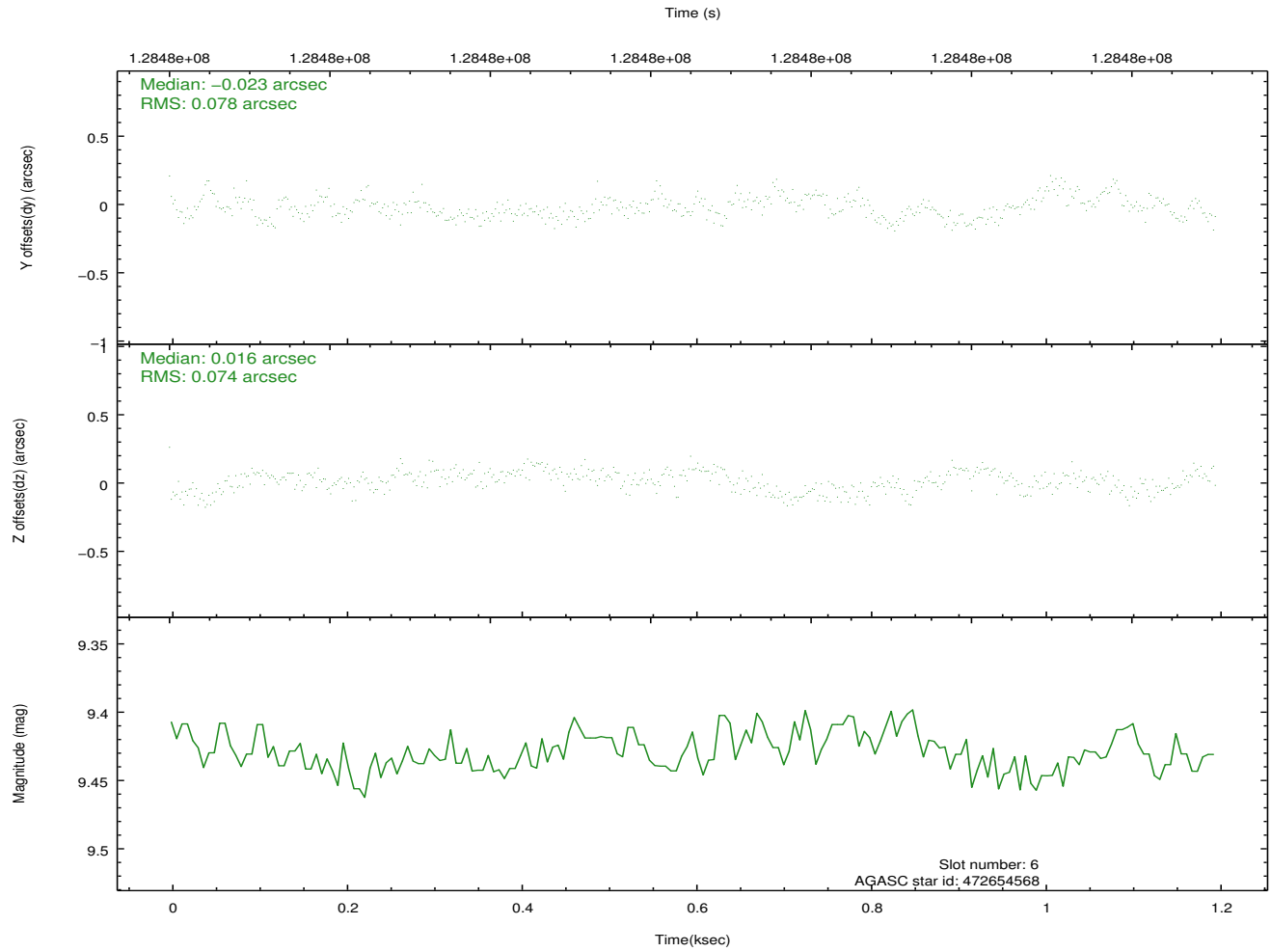
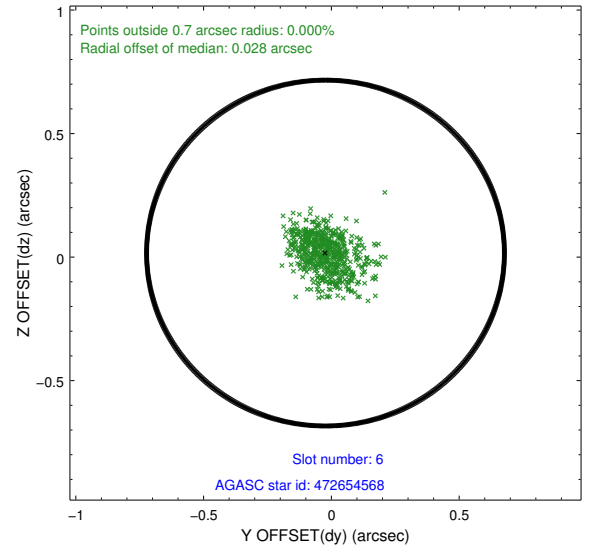
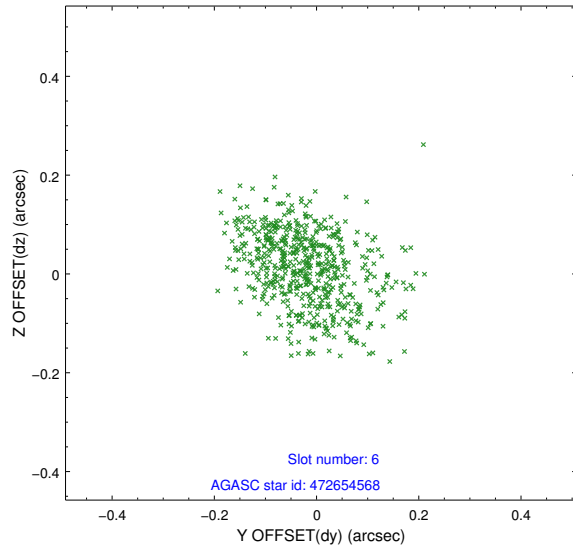
## 2.4.2 Slot 4



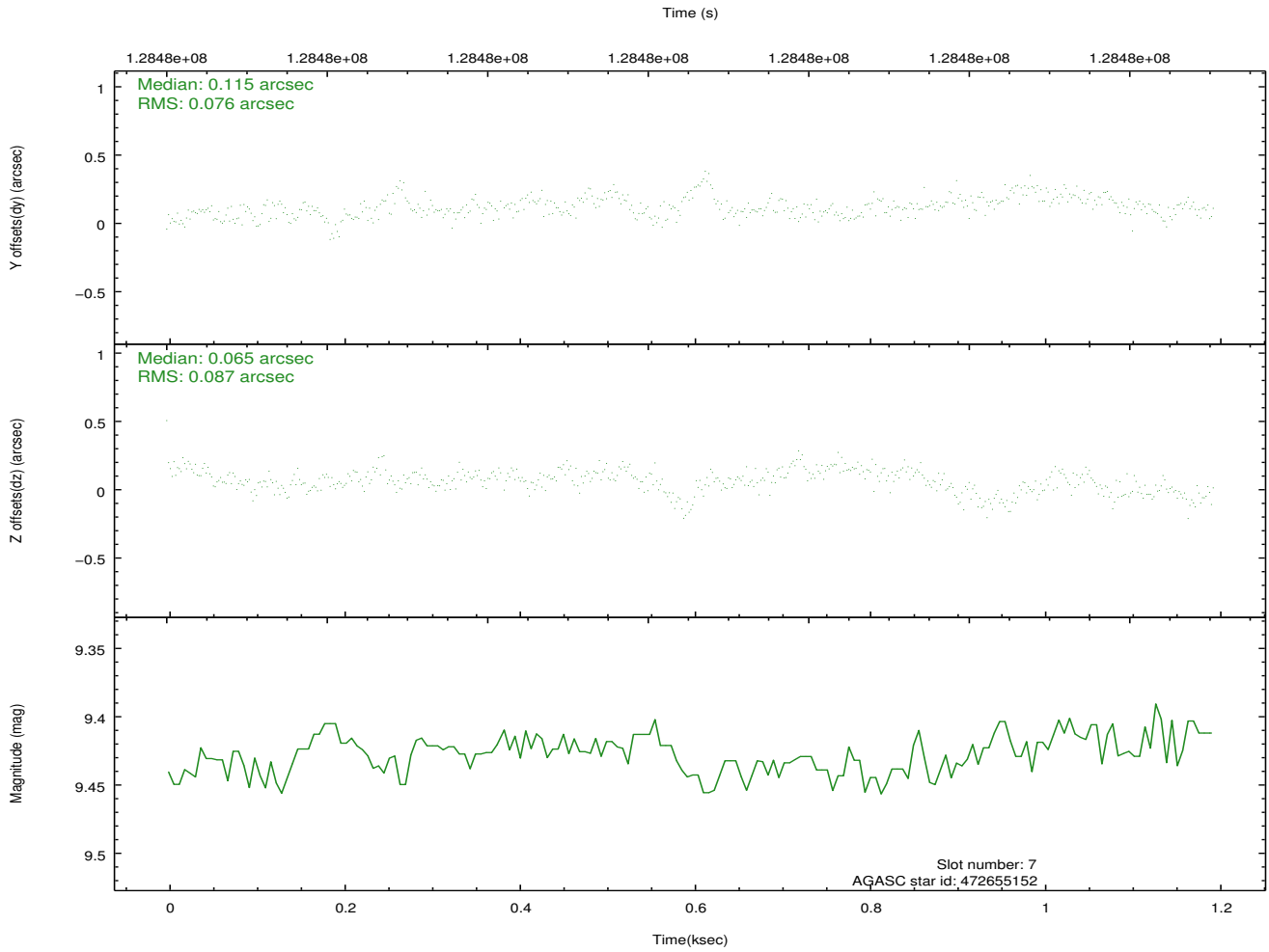
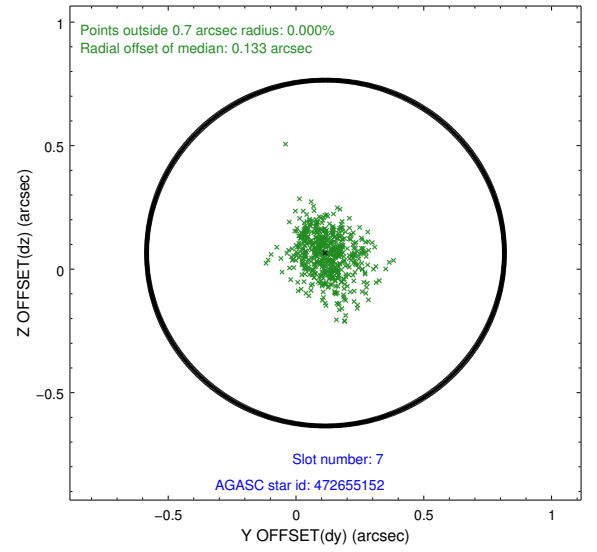
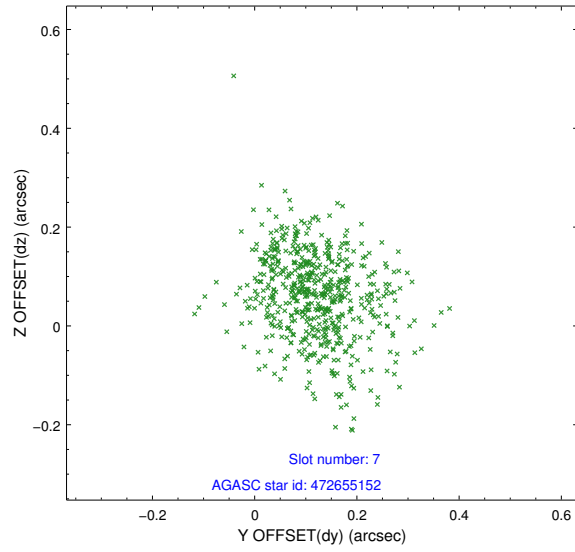
### 2.4.3 Slot 5



## 2.4.4 Slot 6

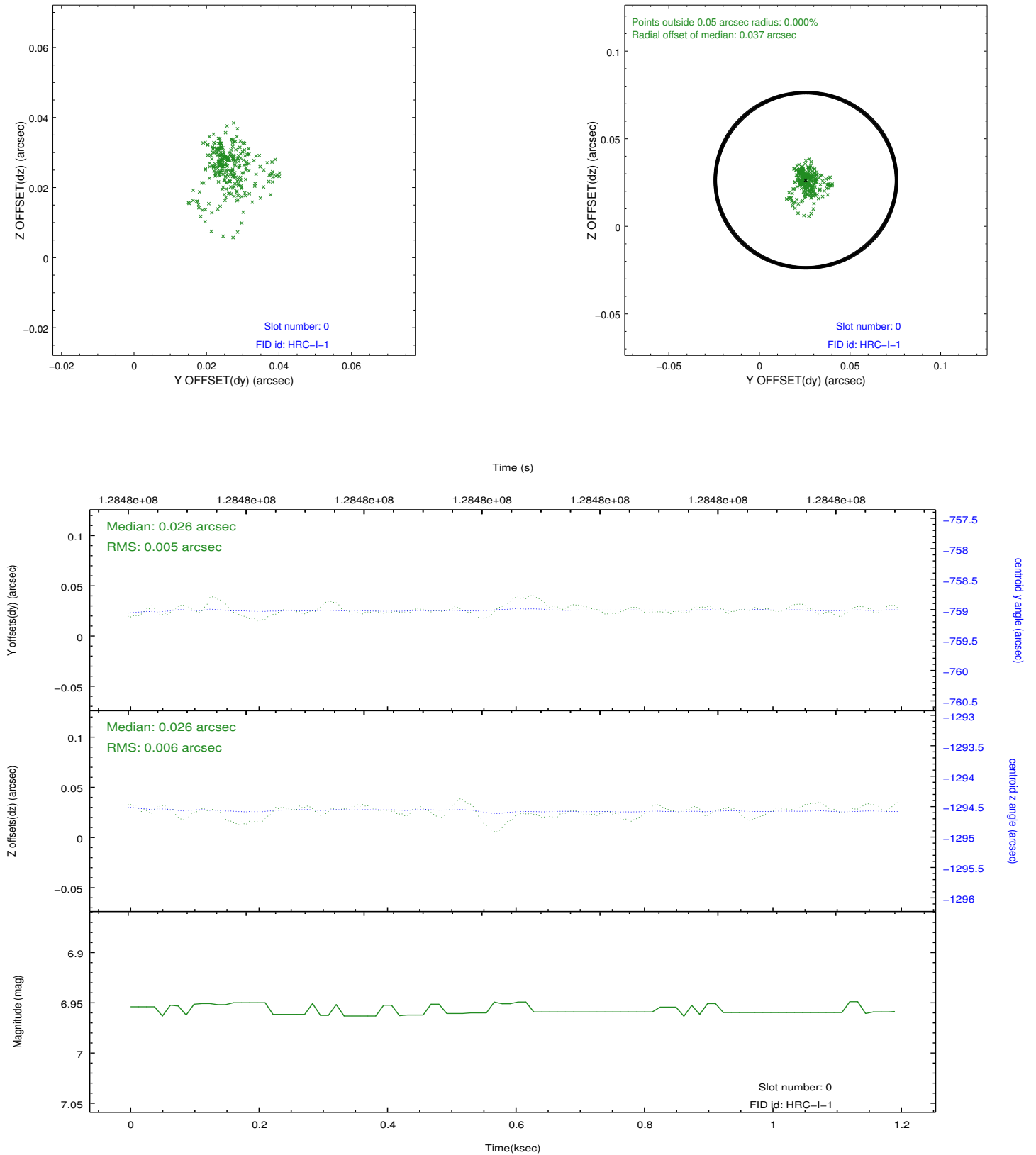


## 2.4.5 Slot 7

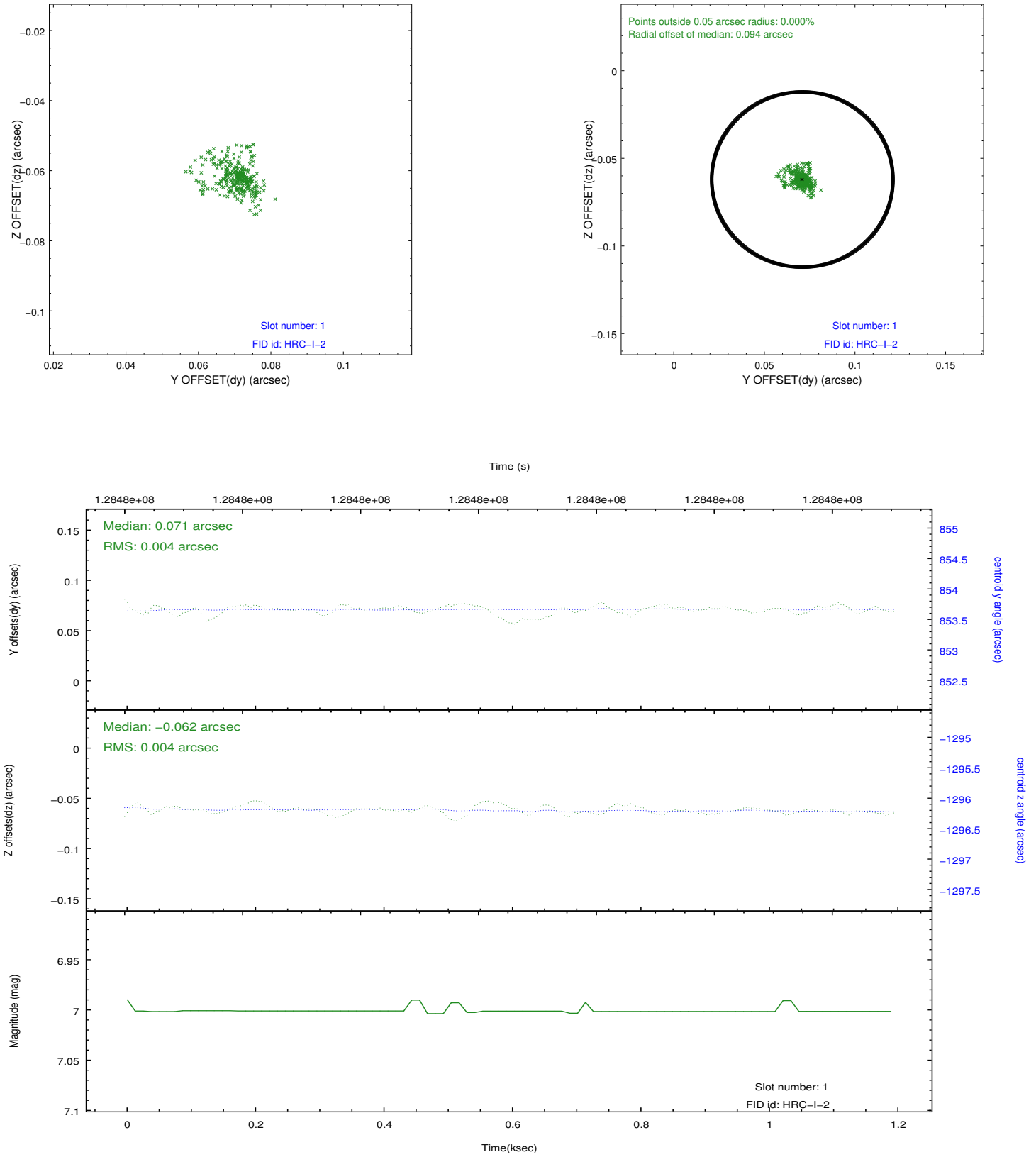


## 2.5 FID Slots

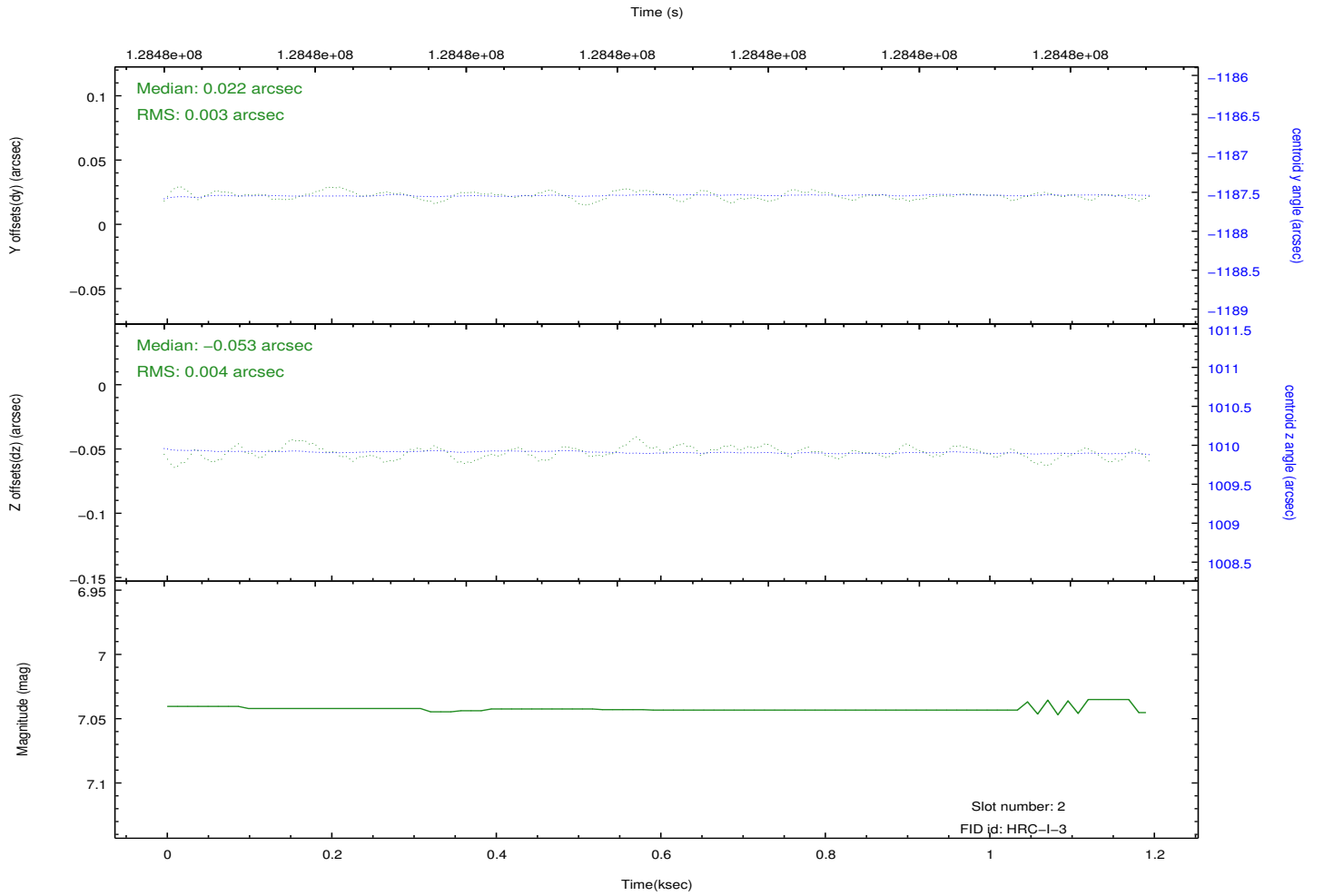
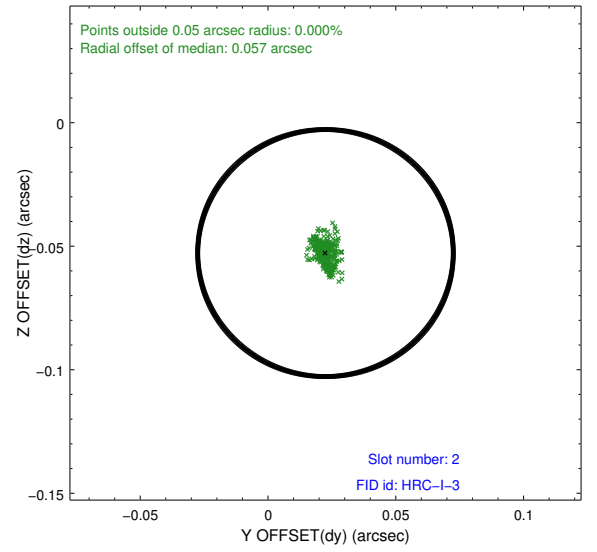
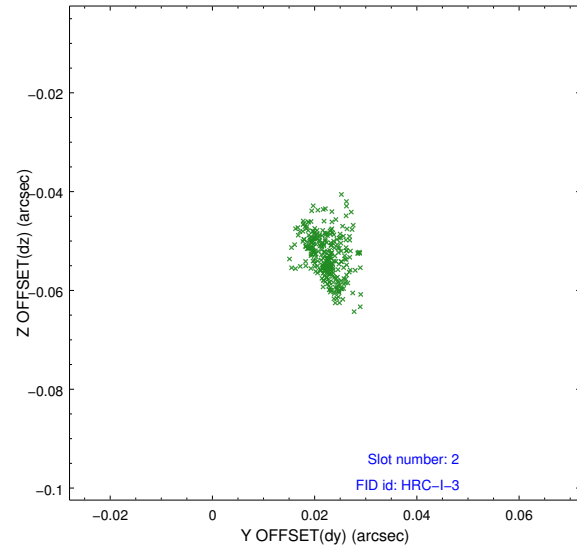
### 2.5.1 Slot 0



## 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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

### A.2 Comments

Charge time for this observation remains at previous value of 1.194 ksec.