

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13050 - L2 Version 3  
Chandra X-Ray Center

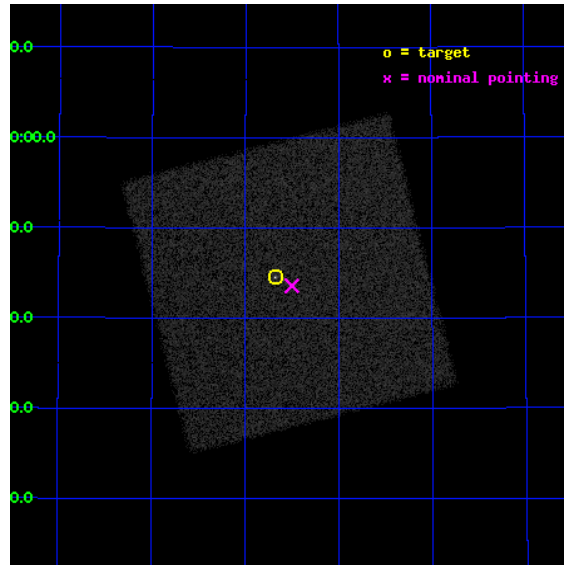
L2 Processing Date : Jul 27 2012

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# 1 Front

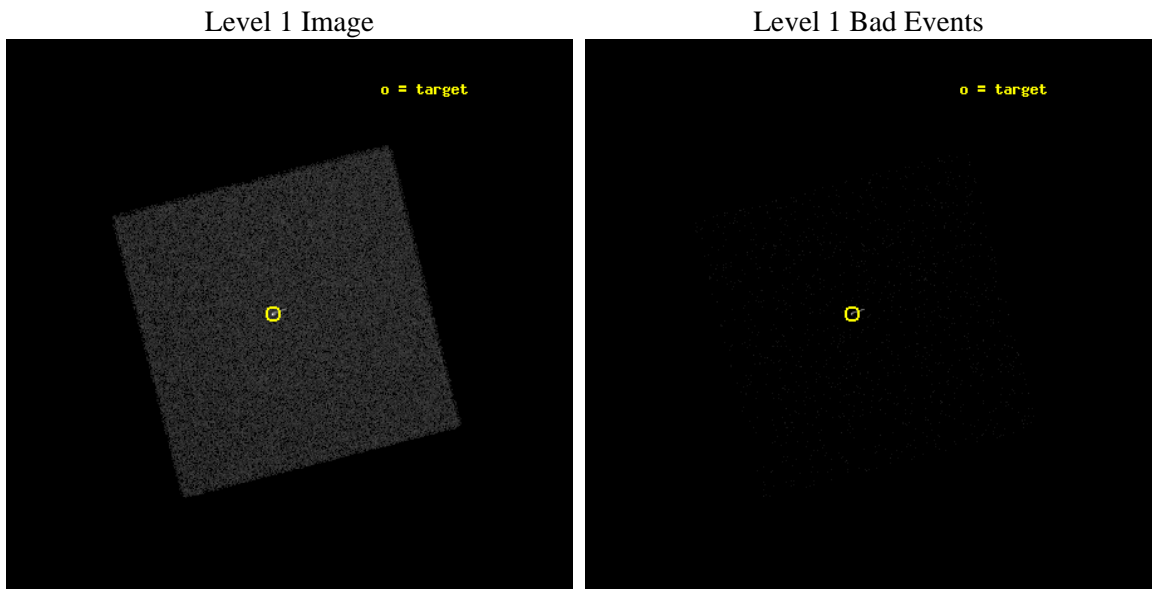
seq_num	290969	Sequence number
obs_id	13050	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.125101891	Nominal RA [deg]
dec_nom	45.726632537294	Nominal Dec [deg]
roll_nom	210.65104082469	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1182.0813120008	[s]
livetime	1170.9032222276	Ontime multiplied by DTCOR
l2events	81912	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	1182.0813120008	[s]
caldbver	4.5.1	&#160	l1events	143087	Number of level 1 events
date	2012-07-28T01:33:40	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

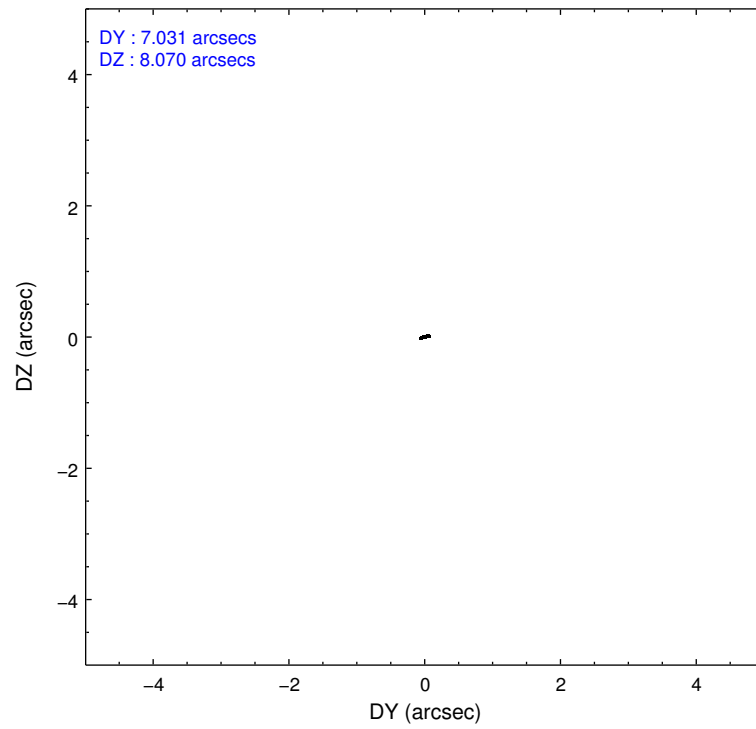
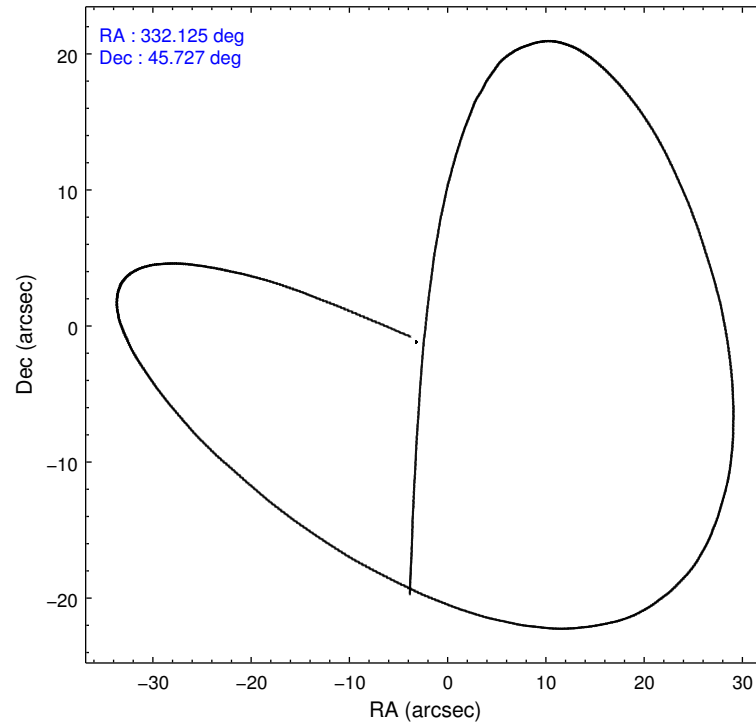
	<b>segment 0</b>
level 1 events	143087
rejected events	31107
rejected %	21%

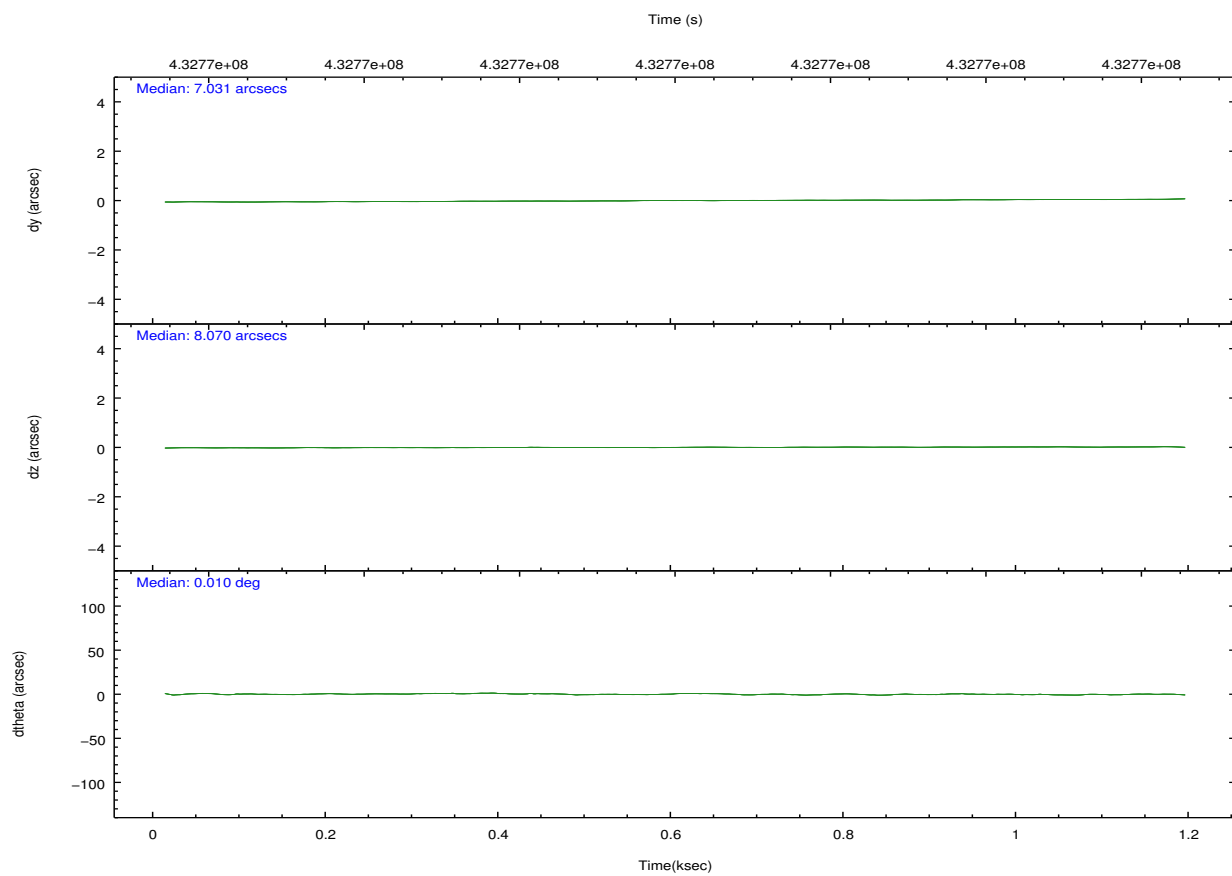
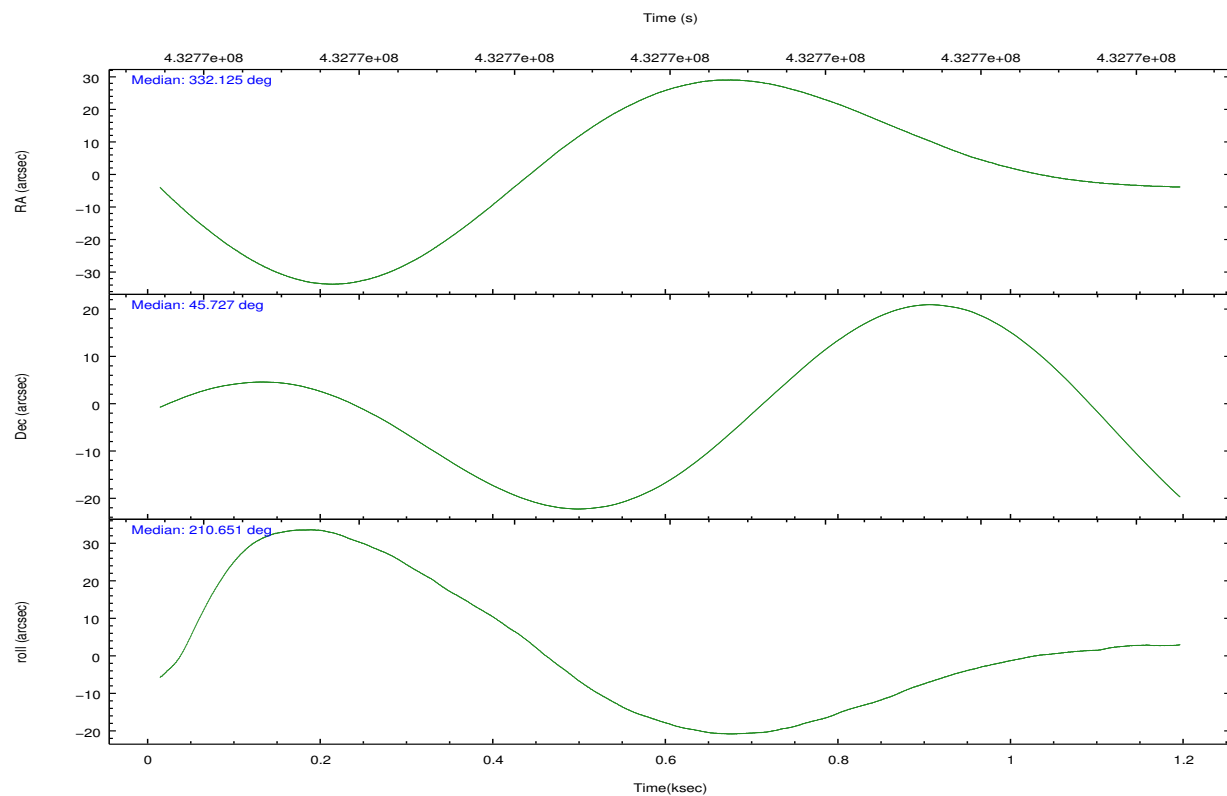
## 2.2 Compared Parameters

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	332.144366	332.1251018909954
[deg] Pointing Dec	45.749897	45.72663253729449
[deg] Pointing Roll	210.732725	210.6510408246906
[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)	432772805.184000	432772429.44782
Observation start date	2011-09-18T22:38:59	2011-09-18T22:33:49
[s] Observation end time (MET)	432773805.184000	432773939.2729
Observation end date	2011-09-18T22:55:39	2011-09-18T22:58:59

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

## 2.3 Aspect





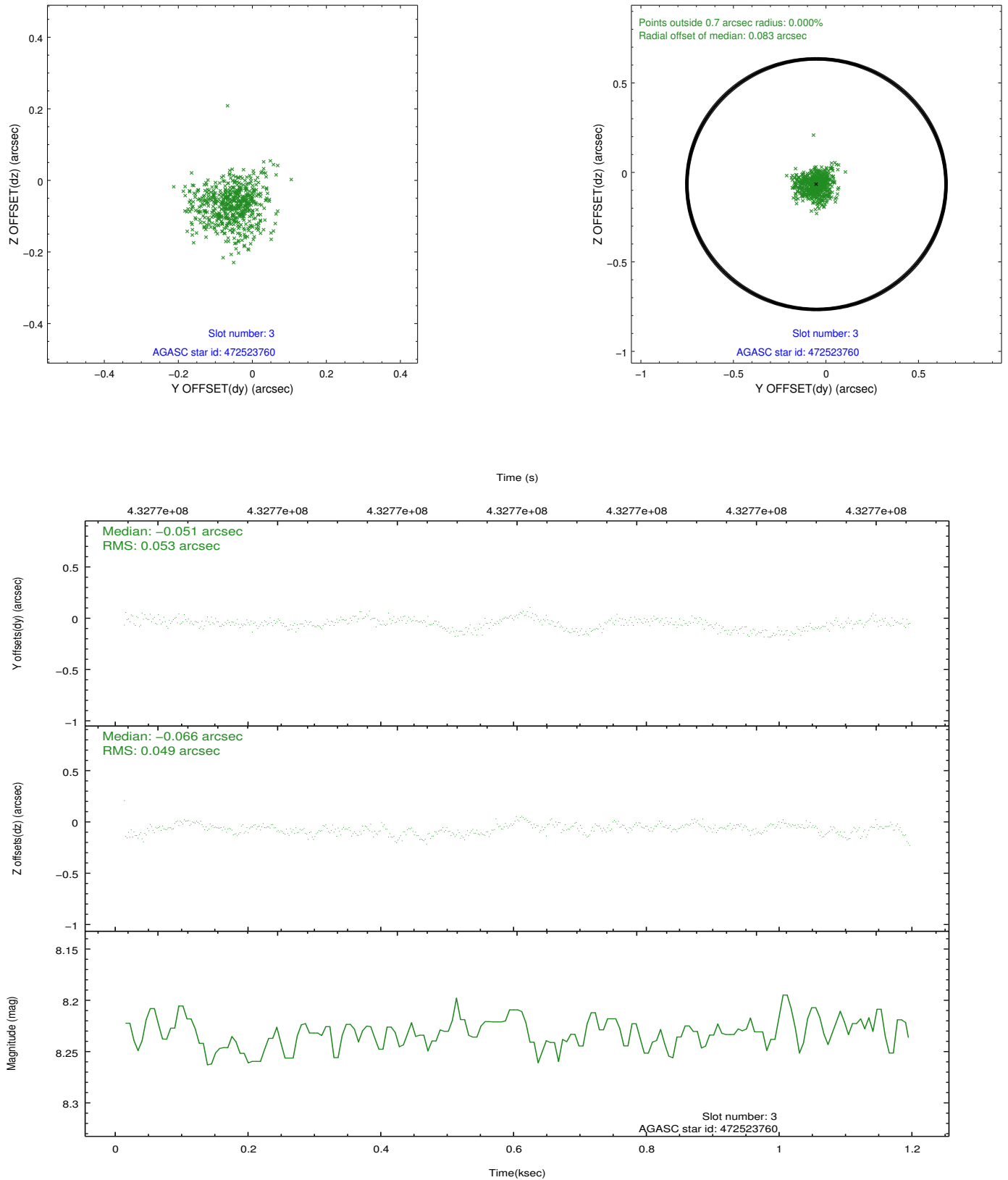
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.98	289	0.117	-0.118	0.007	0.011	0.000000	0.000000	850.09	-1297.66
1	FID	HRC-I-3	7.04	289	-0.169	0.059	0.006	0.009	0.000000	0.000000	-1188.29	1004.23
2	FID	HRC-I-4	6.97	289	0.170	-0.028	0.006	0.011	0.000000	0.000000	1276.27	1009.62
3	GUIDE	472523760	8.23	578	-0.051	-0.066	0.078	0.128	331.645363	45.403260	1719.63	428.36
4	GUIDE	472533912	9.14	577	0.031	0.097	0.137	0.230	331.791136	46.368695	-382.51	-2360.30
5	GUIDE	472655152	9.41	578	-0.001	-0.206	0.134	0.215	332.504239	45.862991	-985.56	108.93
6	GUIDE	472665256	9.01	578	0.097	0.168	0.088	0.149	332.808125	46.195041	-2246.14	-534.02
7	GUIDE	420754040	9.05	577	-0.081	0.002	0.097	0.154	331.917939	44.882543	2086.22	2391.29

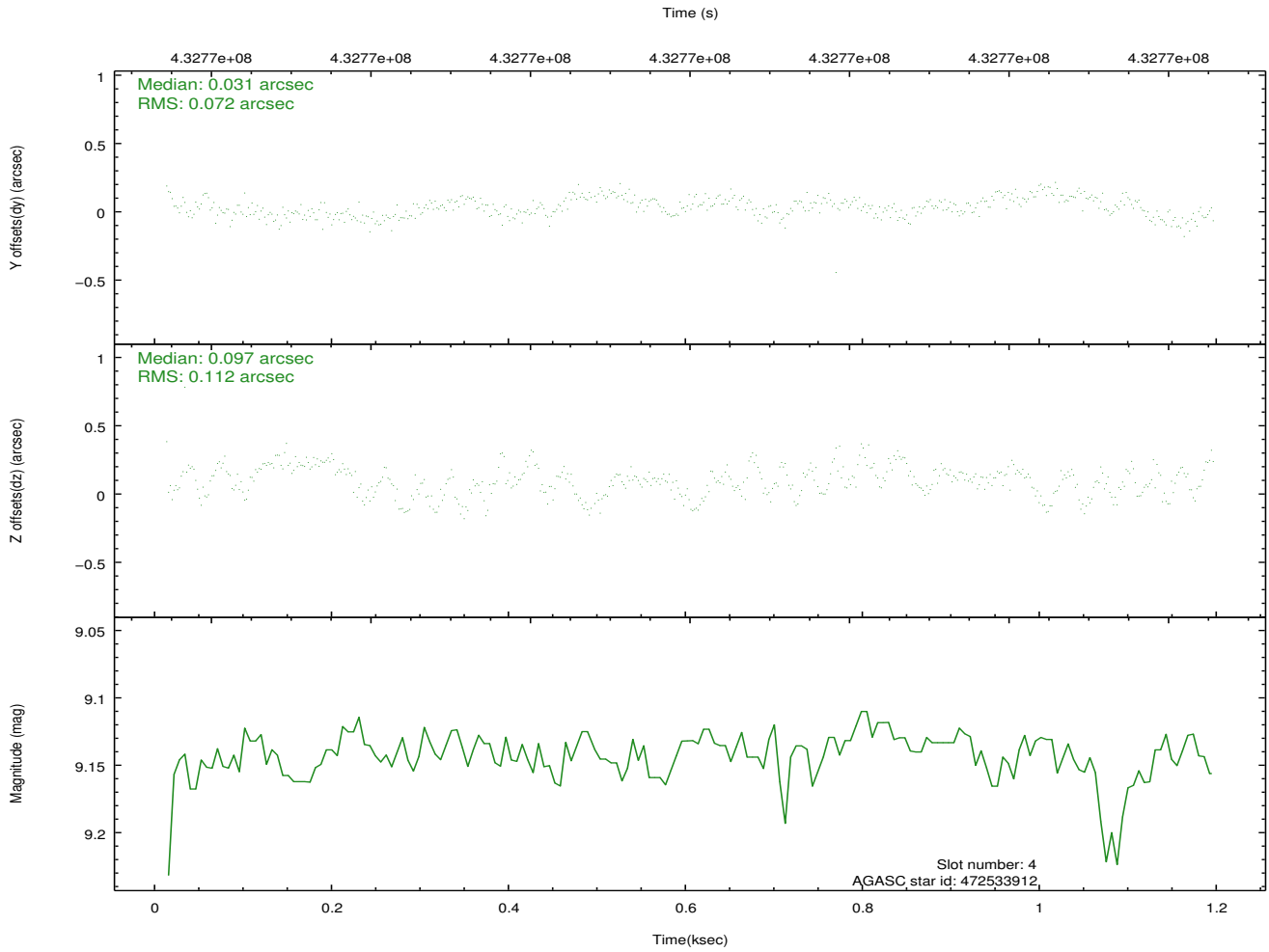
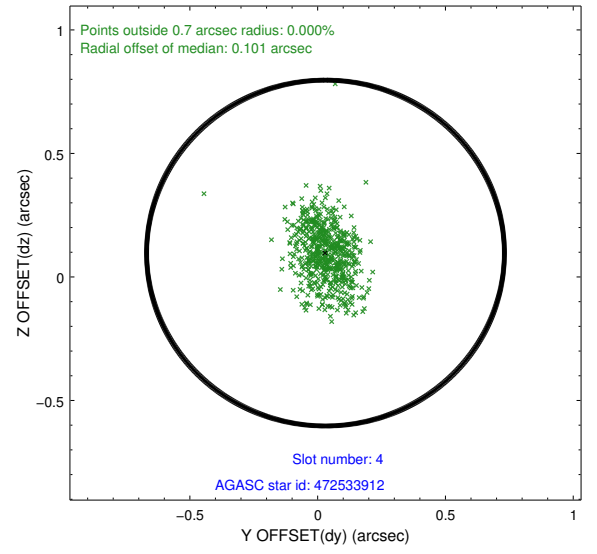
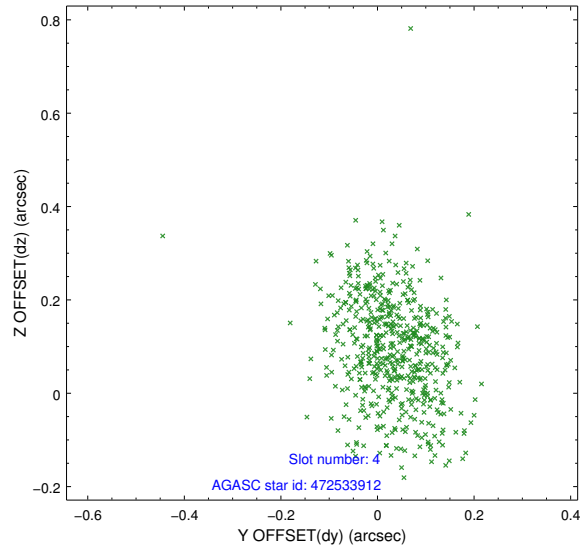


## 2.4 Star Slots

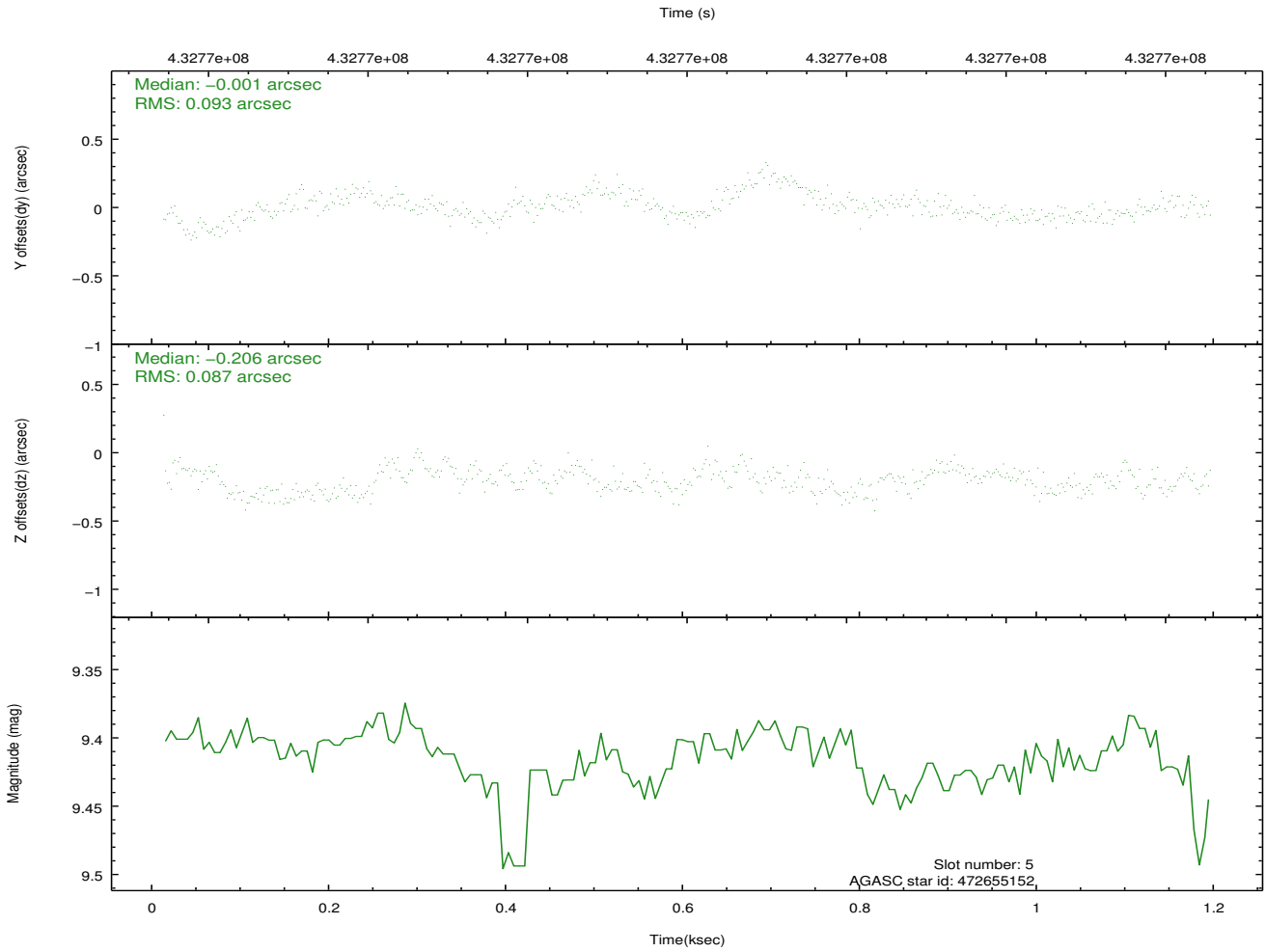
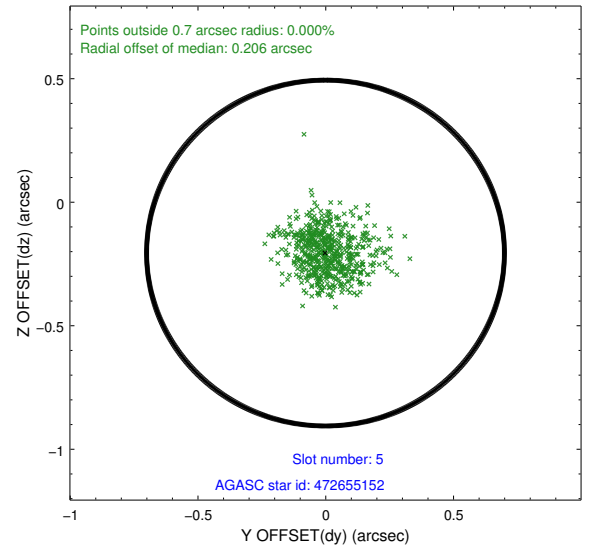
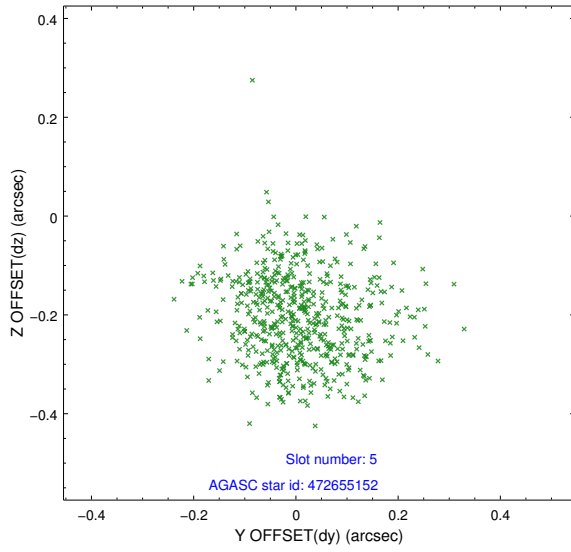
### 2.4.1 Slot 3



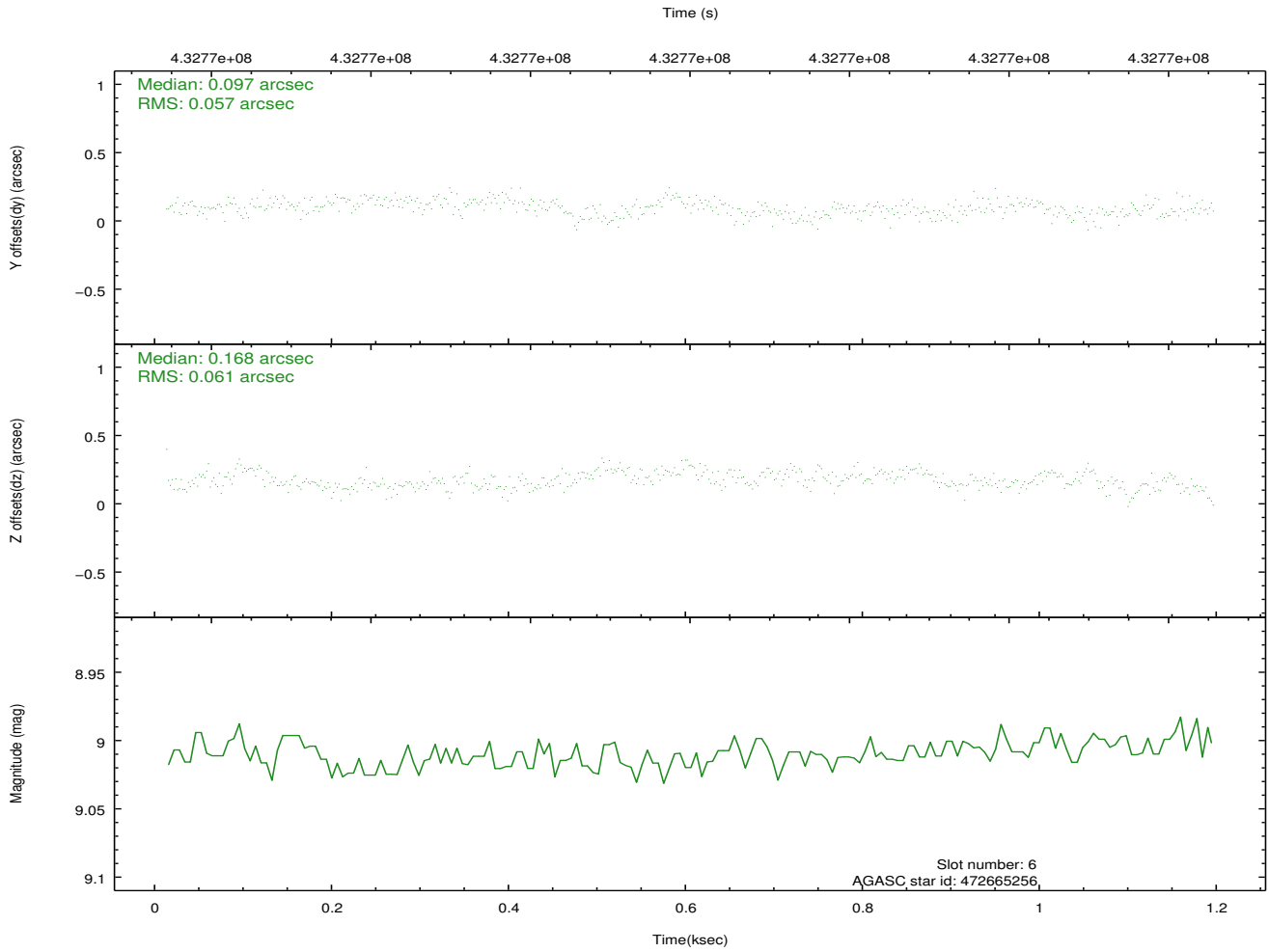
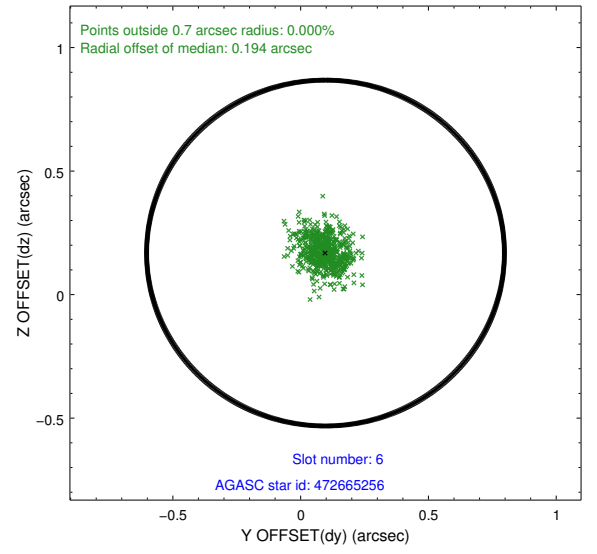
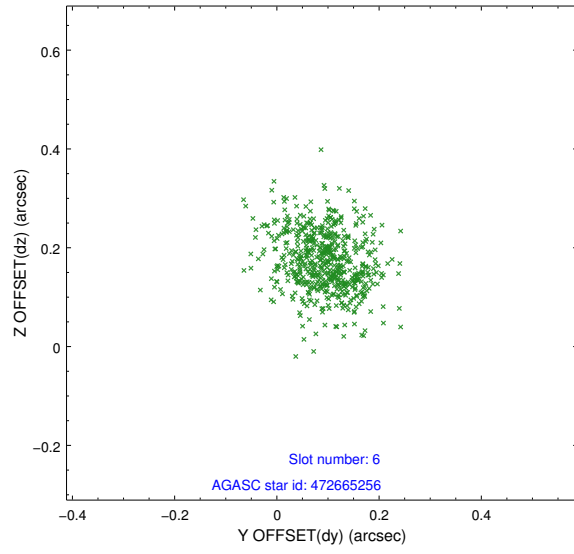
## 2.4.2 Slot 4



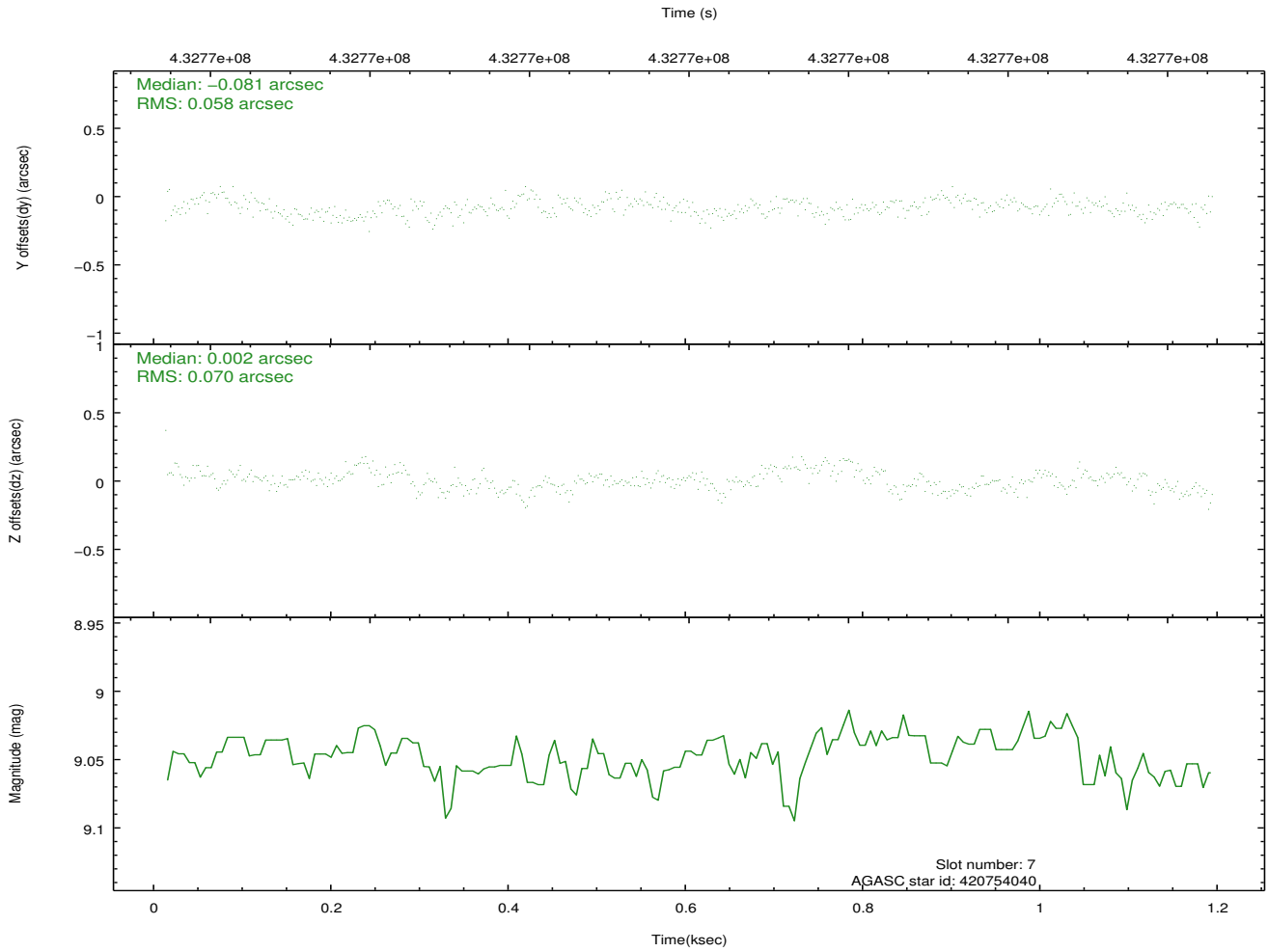
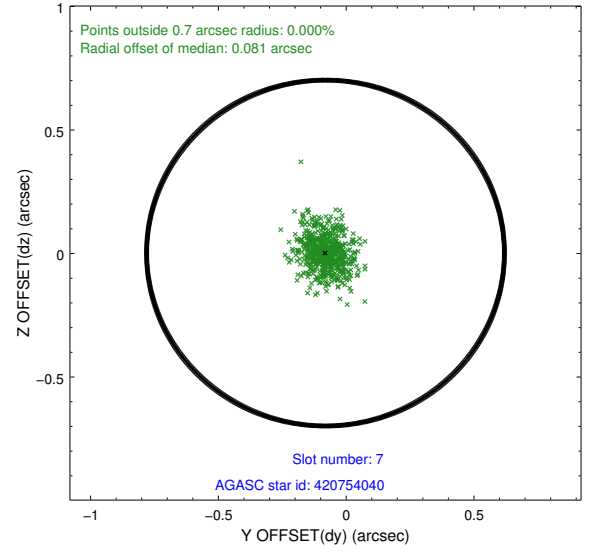
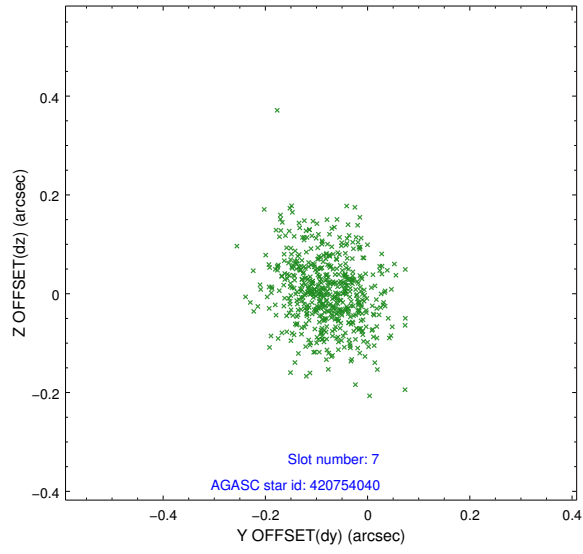
### 2.4.3 Slot 5



## 2.4.4 Slot 6

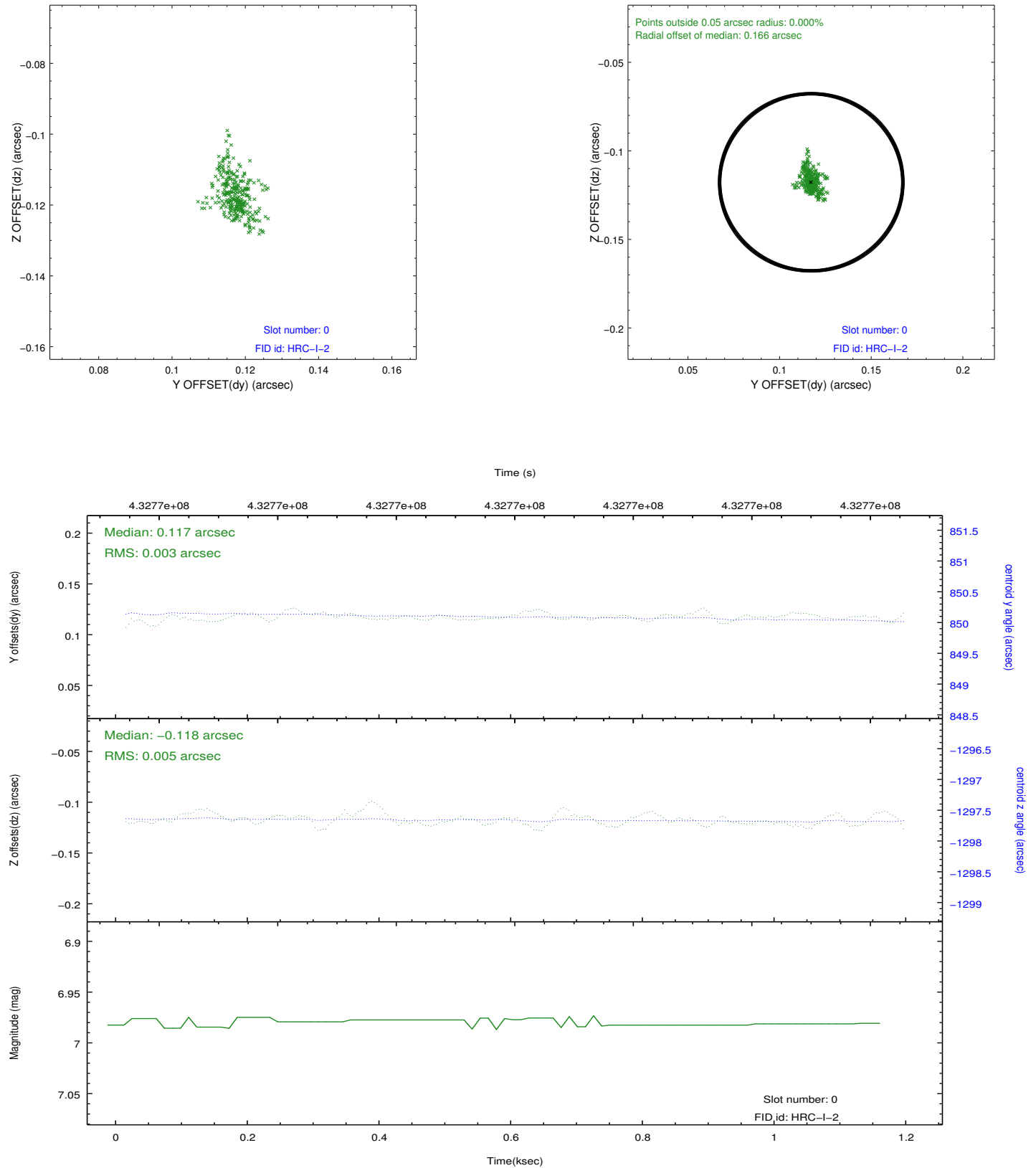


## 2.4.5 Slot 7

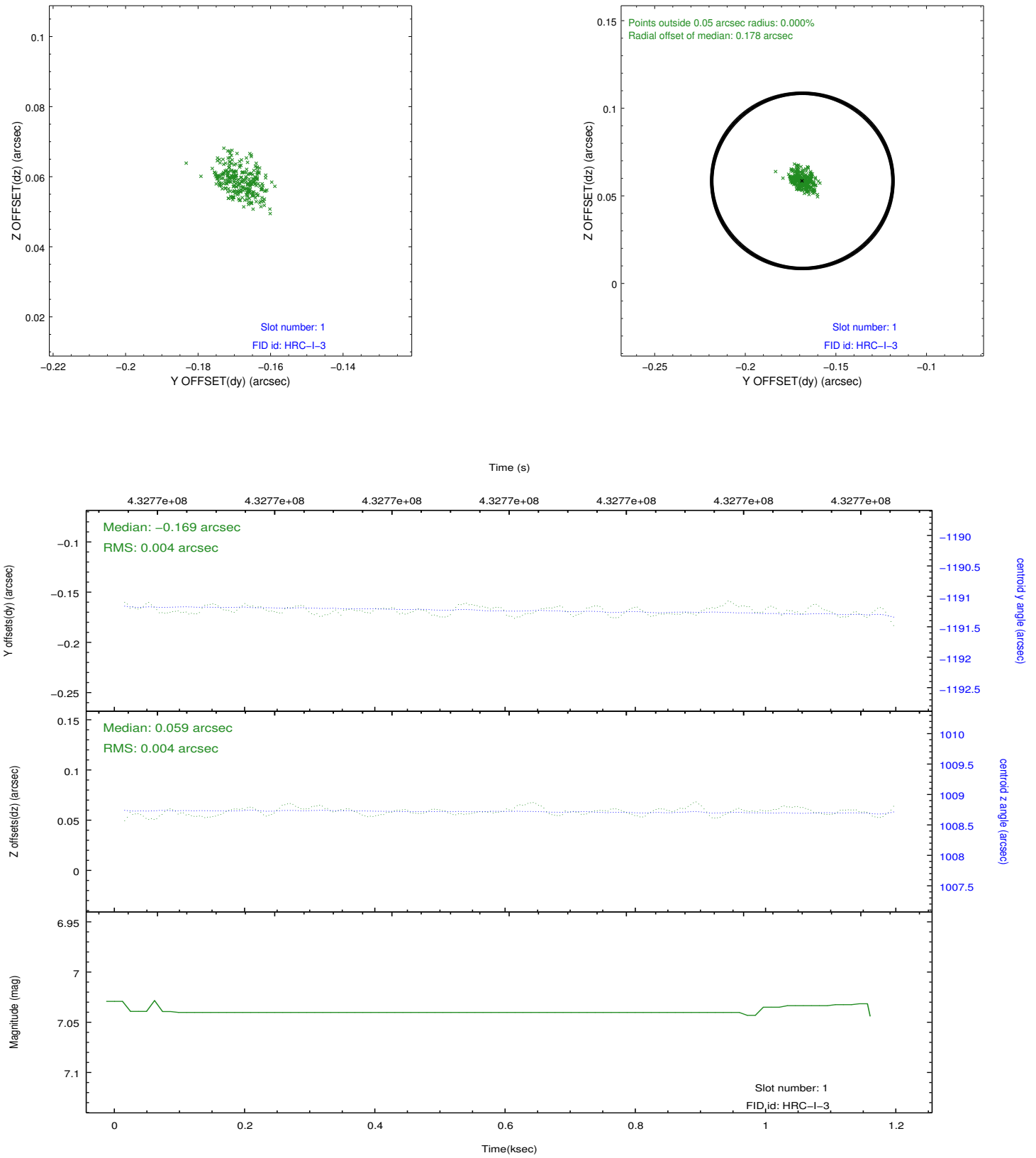


## 2.5 FID Slots

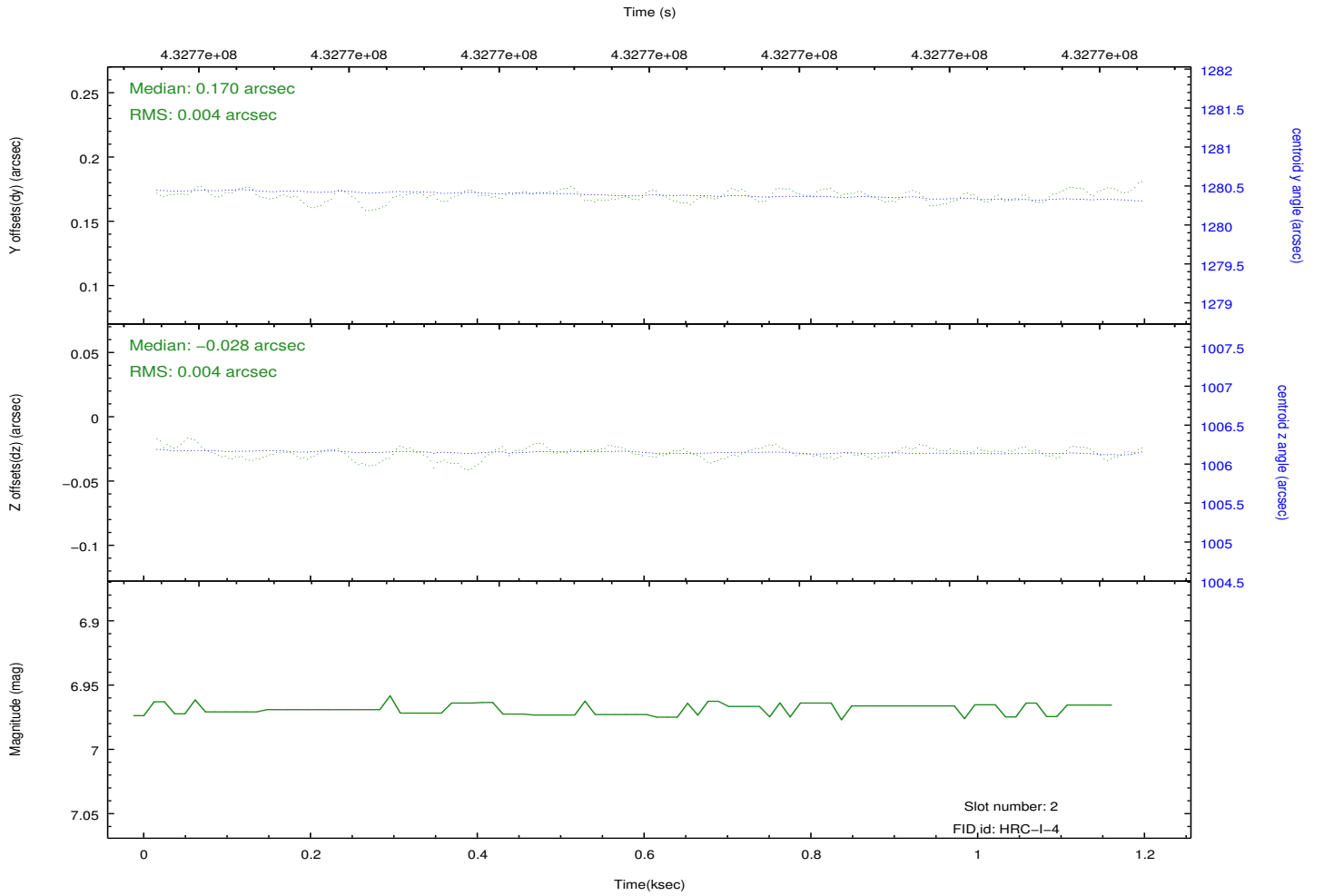
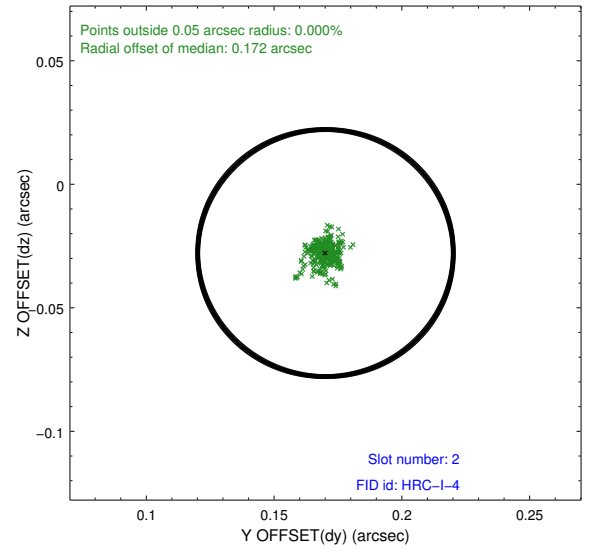
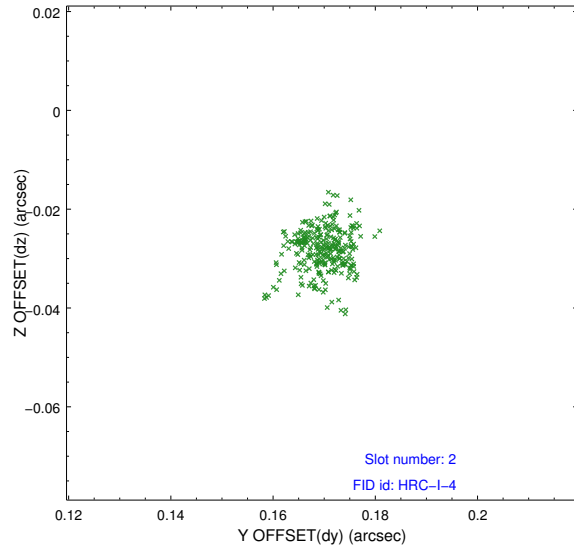
### 2.5.1 Slot 0



## 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)	2012.07.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813119411

### A.2 Comments