

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13058 - L2 Version 3  
Chandra X-Ray Center

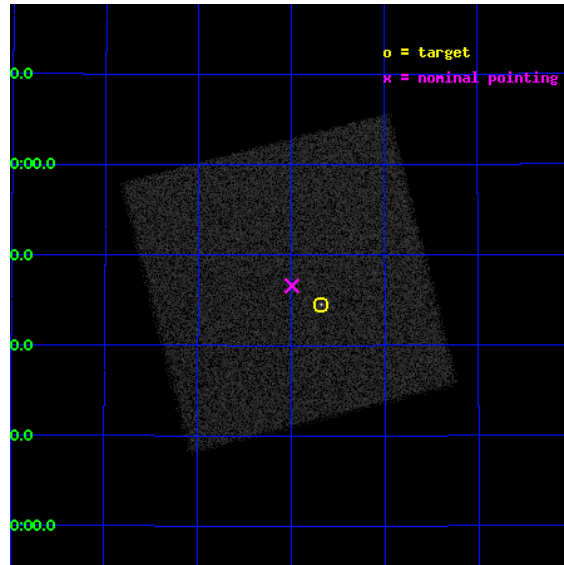
L2 Processing Date : Jul 27 2012

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# 1 Front

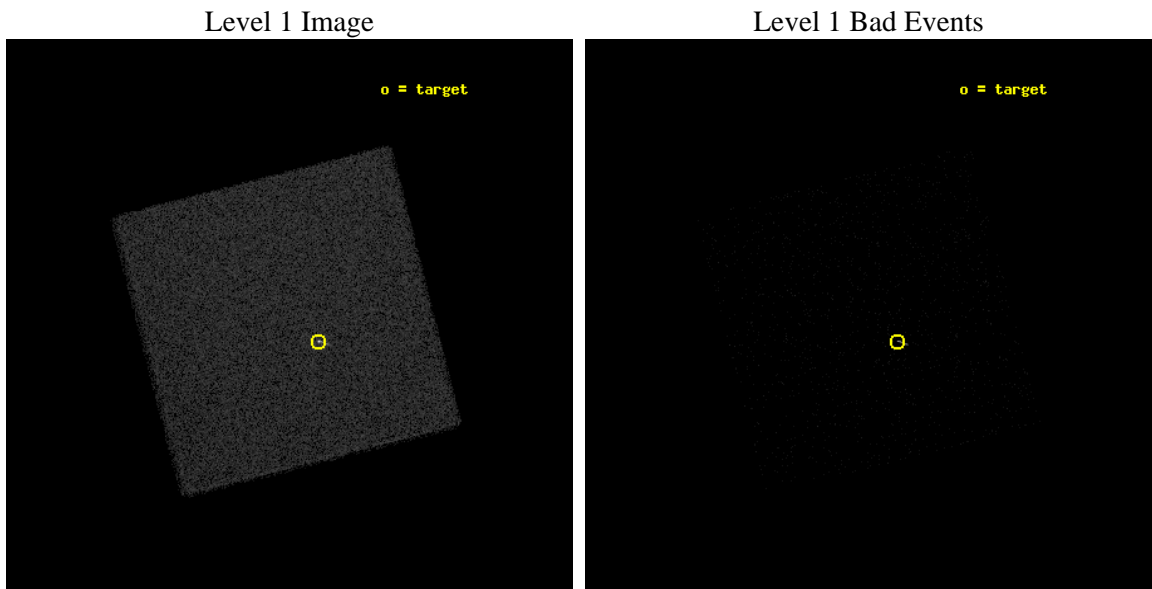
seq_num	290977	Sequence number
obs_id	13058	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24856219642	Nominal RA [deg]
dec_nom	45.777002177614	Nominal Dec [deg]
roll_nom	210.66196494341	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1179.7750617266	[s]
livetime	1168.5460460367	Ontime multiplied by DTCOR
l2events	81647	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	1179.7750617266	[s]
caldbver	4.5.1	&#160	l1events	143513	Number of level 1 events
date	2012-07-28T02:31:13	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

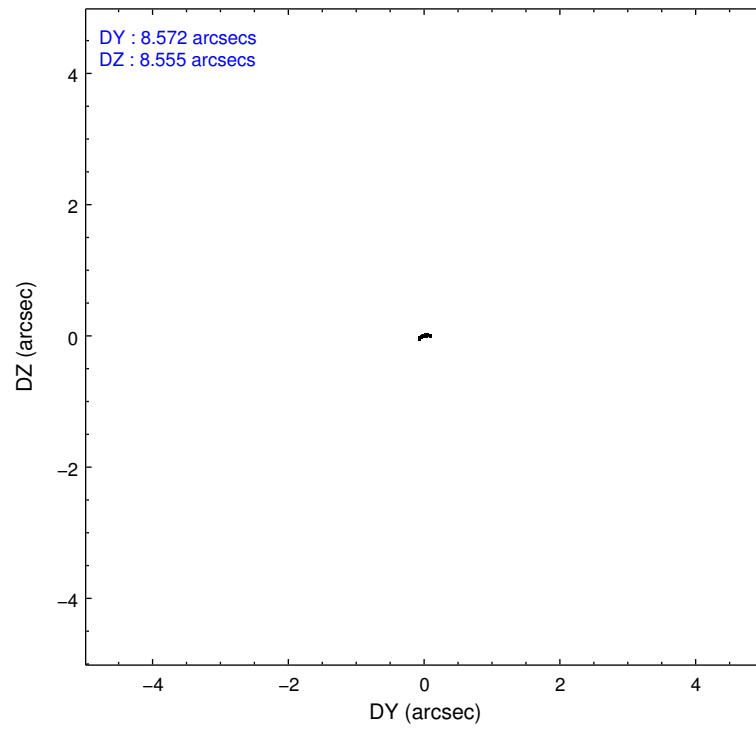
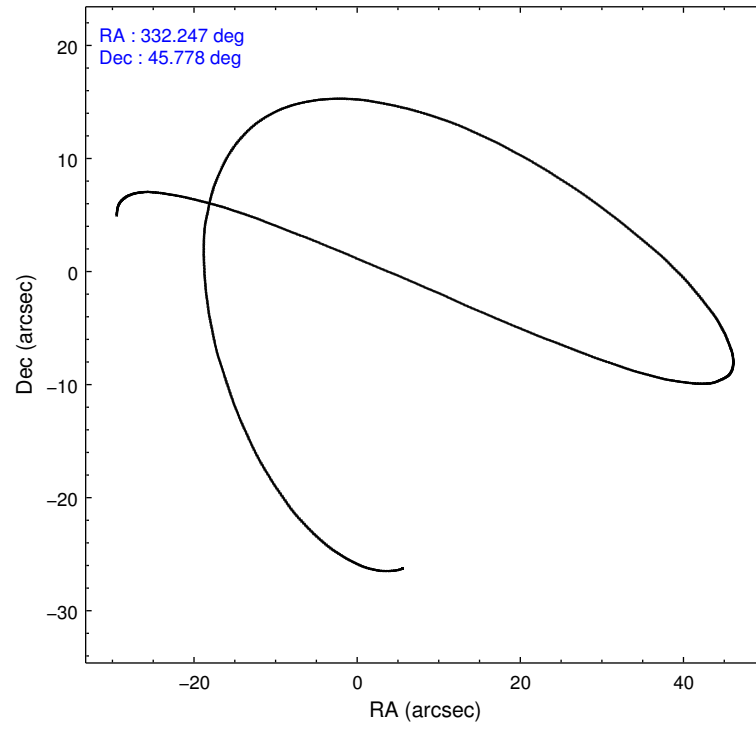
#### Level 1 Events

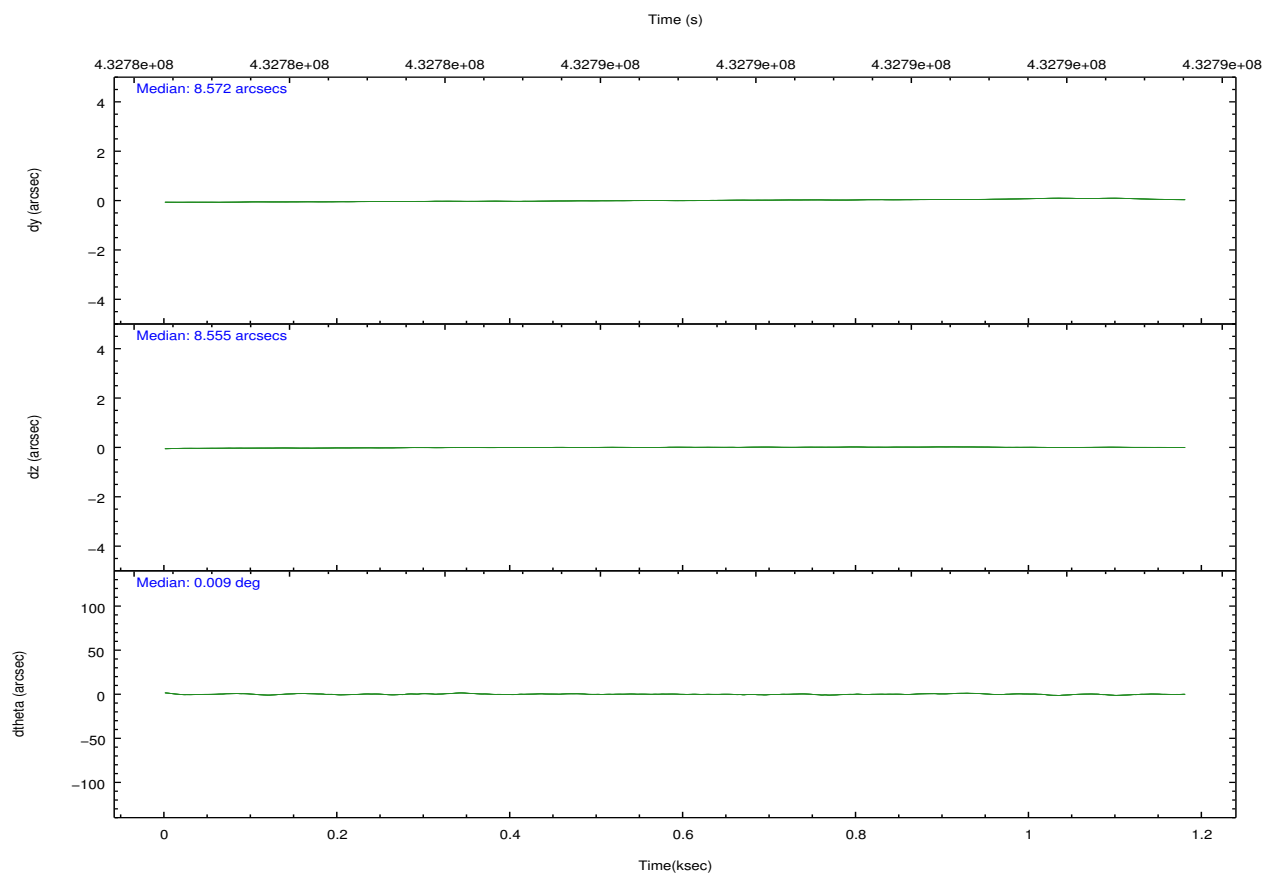
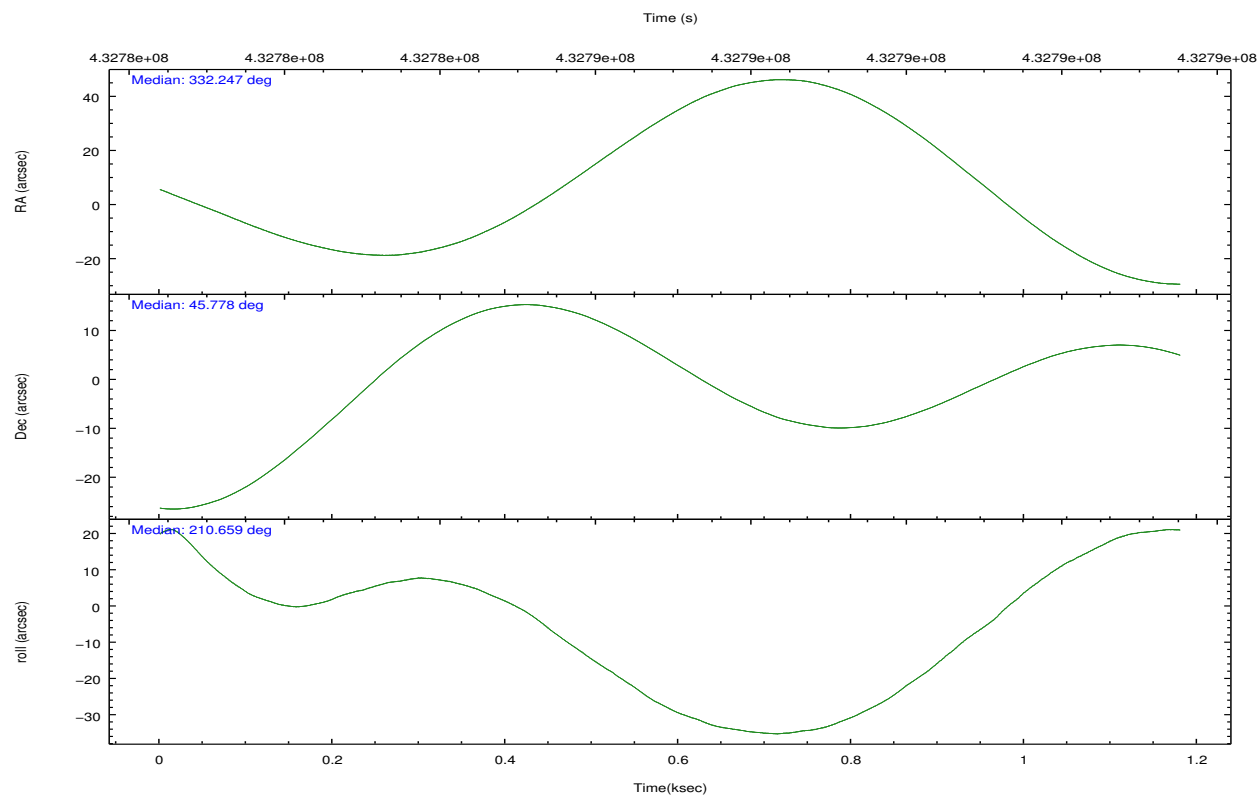
	<b>segment 0</b>
level 1 events	143513
rejected events	31758
rejected %	22%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.267515	332.2485621964177			
[deg] Pointing Dec	45.801047	45.77700217761411			
[deg] Pointing Roll	210.743803	210.6619649434114			
[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)	432784885.184000	432784509.58595			
Observation start date	2011-09-19T02:00:19	2011-09-19T01:55:09			
[s] Observation end time (MET)	432785885.184000	432786019.92353			
Observation end date	2011-09-19T02:16:59	2011-09-19T02:20:19			

## 2.3 Aspect





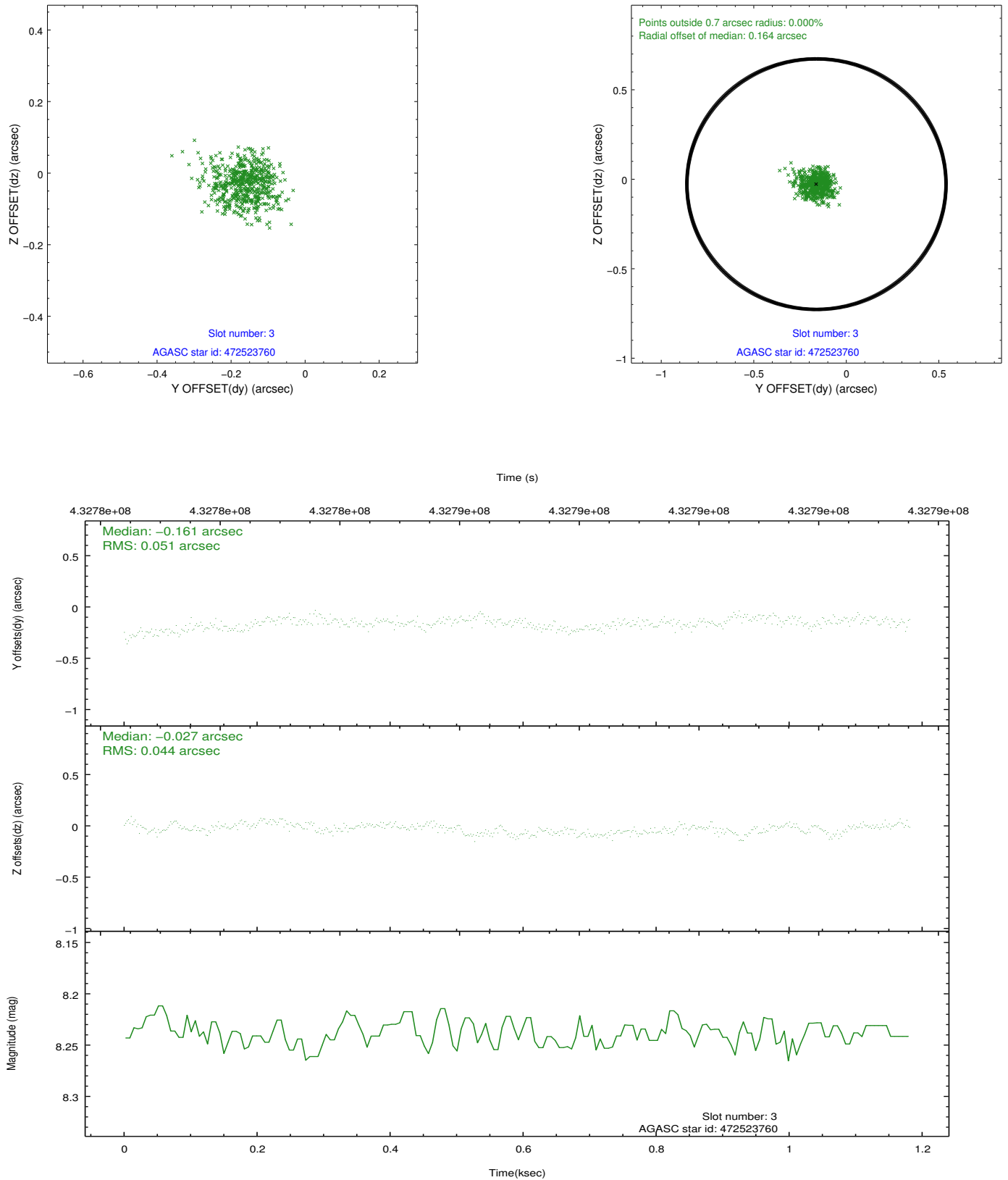
### Slot Statistics

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	288	-0.039	0.039	0.006	0.011	0.000000	0.000000	-764.25	-1296.40
1	FID	HRC-I-2	6.99	288	0.228	-0.170	0.005	0.009	0.000000	0.000000	845.99	-1302.69
2	FID	HRC-I-3	7.04	288	-0.071	0.042	0.005	0.011	0.000000	0.000000	-1189.82	1003.65
3	GUIDE	472523760	8.24	577	-0.161	-0.027	0.072	0.116	331.645363	45.403260	2079.39	422.74
4	GUIDE	472533912	9.16	577	0.071	0.065	0.127	0.198	331.791136	46.368695	-26.58	-2362.56
5	GUIDE	472655152	9.42	576	0.001	-0.237	0.136	0.316	332.504239	45.862991	-625.56	107.70
6	GUIDE	472665256	9.01	576	0.028	0.106	0.091	0.145	332.808125	46.195041	-1887.29	-533.24
7	GUIDE	472663080	9.40	575	0.042	0.111	0.110	0.183	332.652741	46.473840	-2064.39	-1595.51

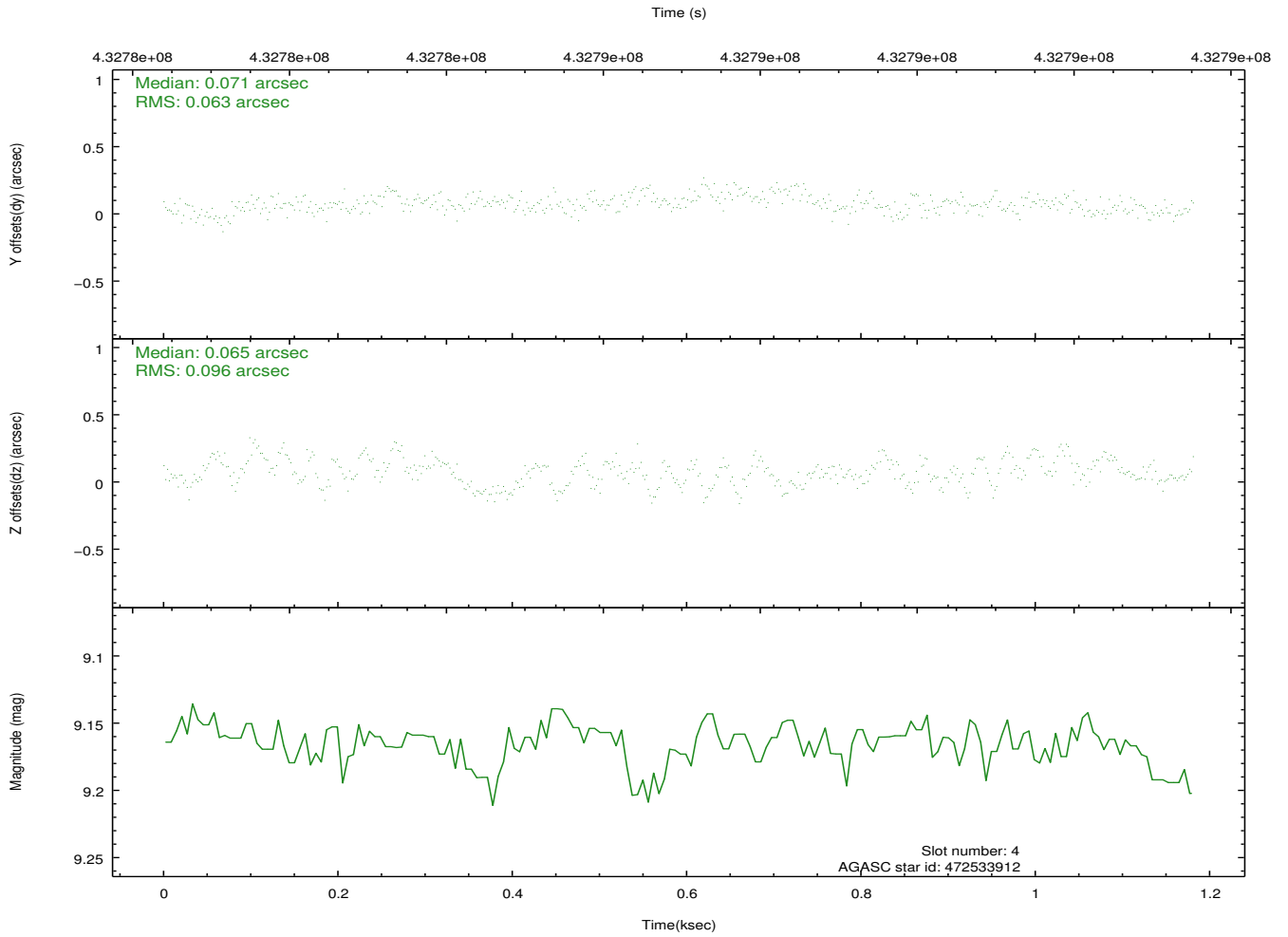
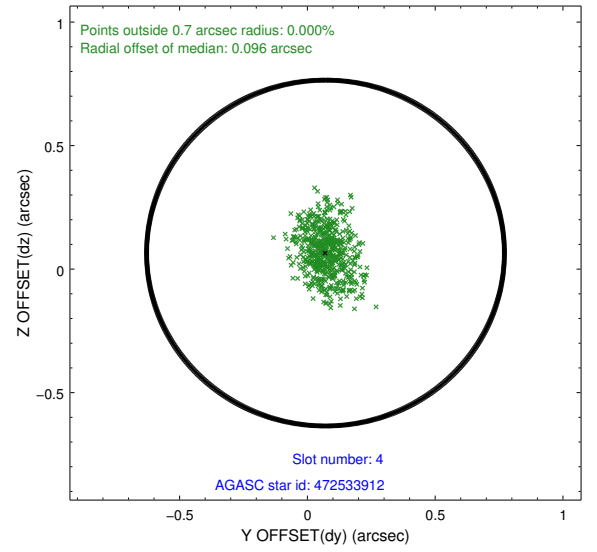
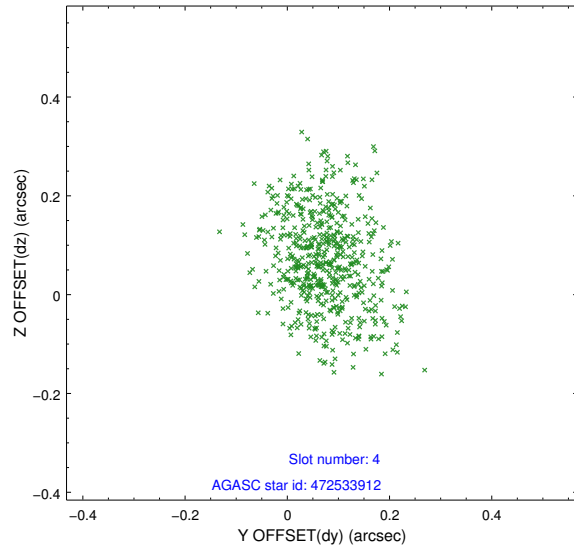


## 2.4 Star Slots

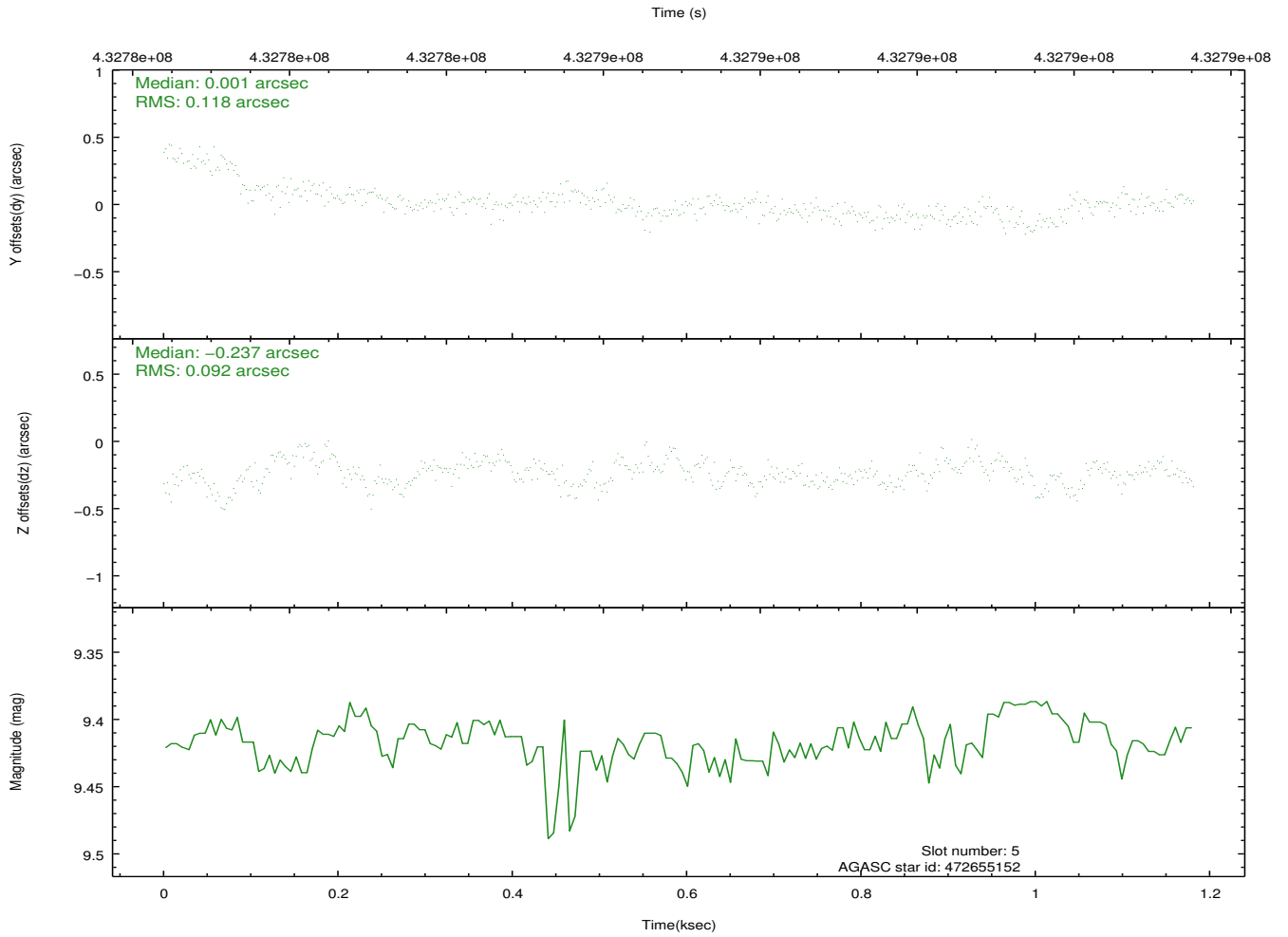
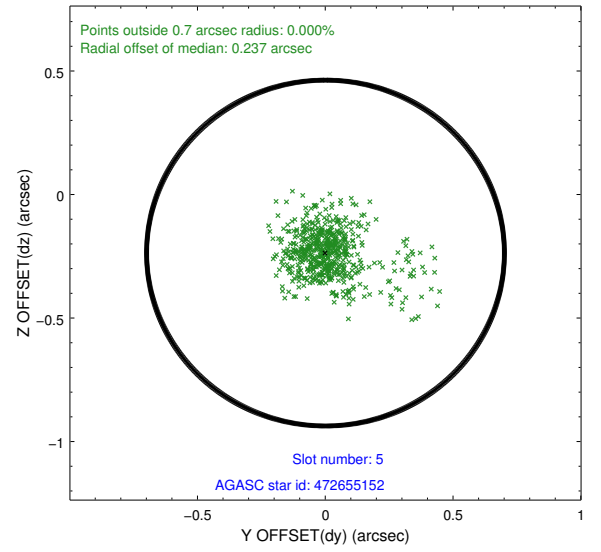
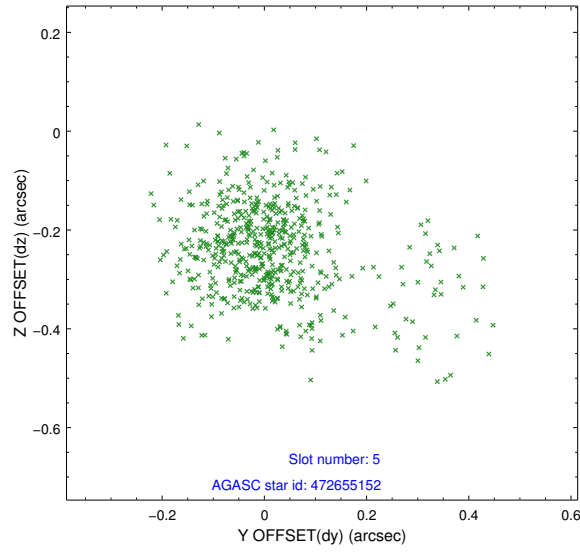
### 2.4.1 Slot 3



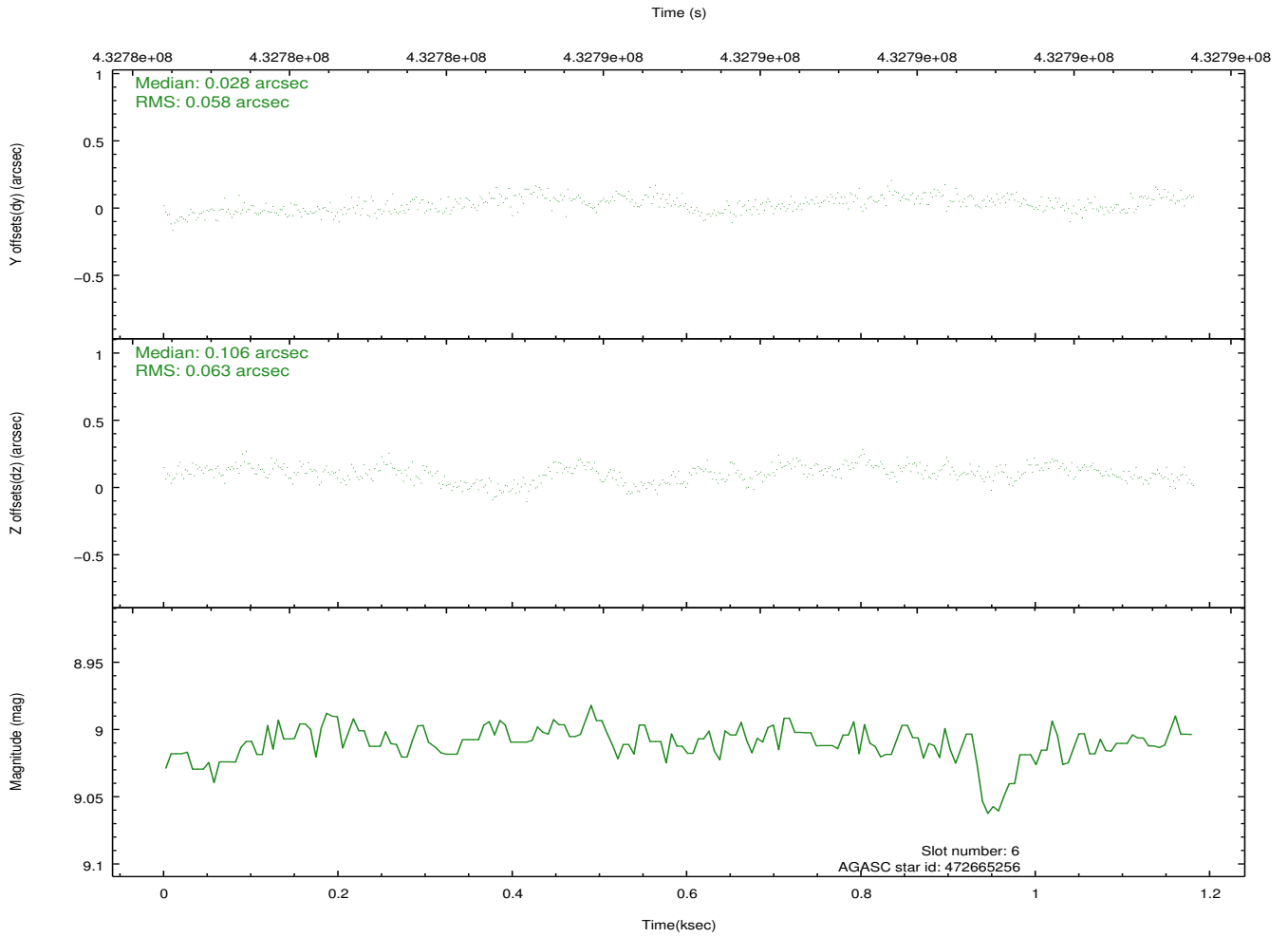
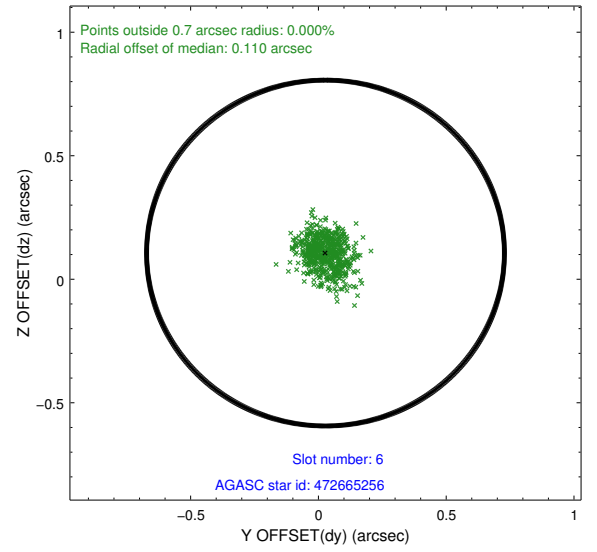
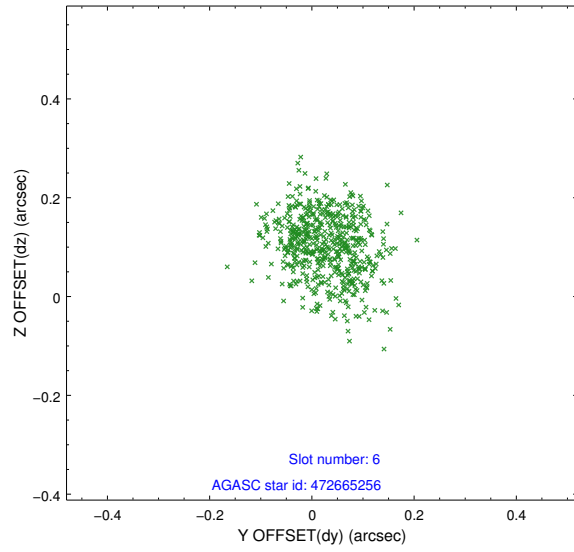
## 2.4.2 Slot 4



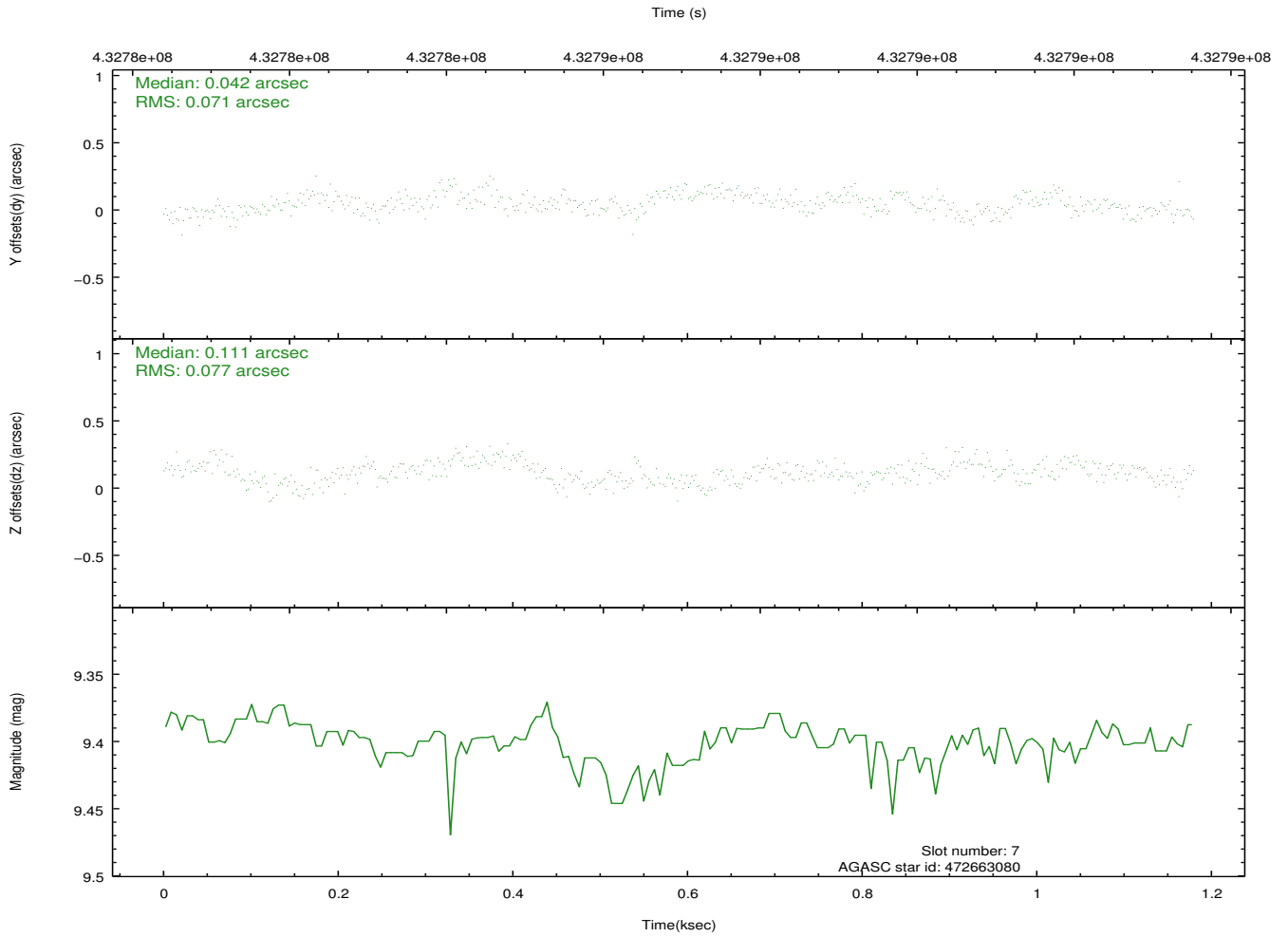
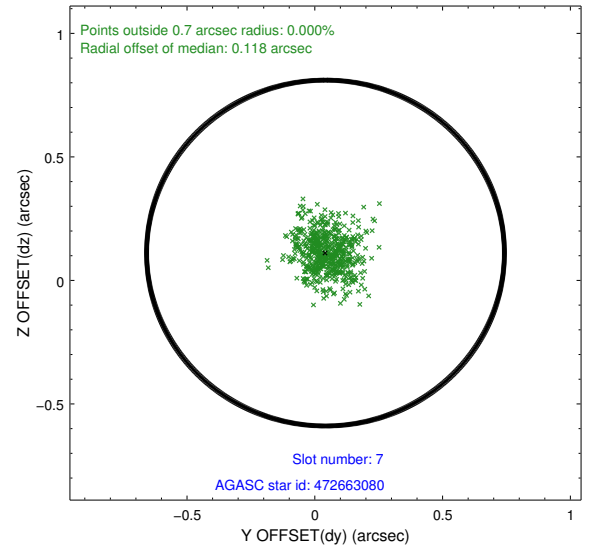
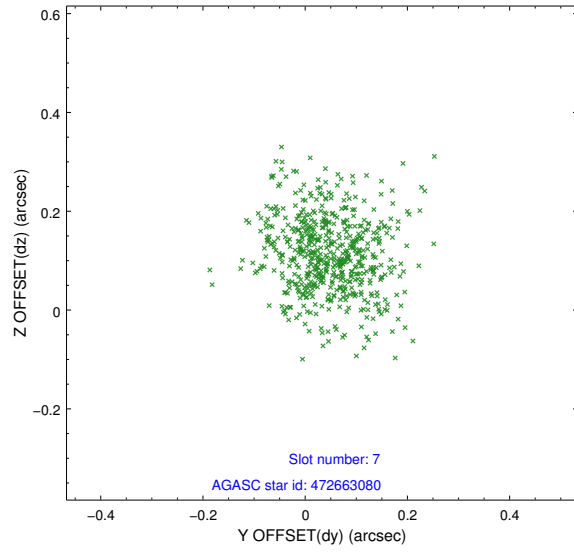
### 2.4.3 Slot 5



## 2.4.4 Slot 6

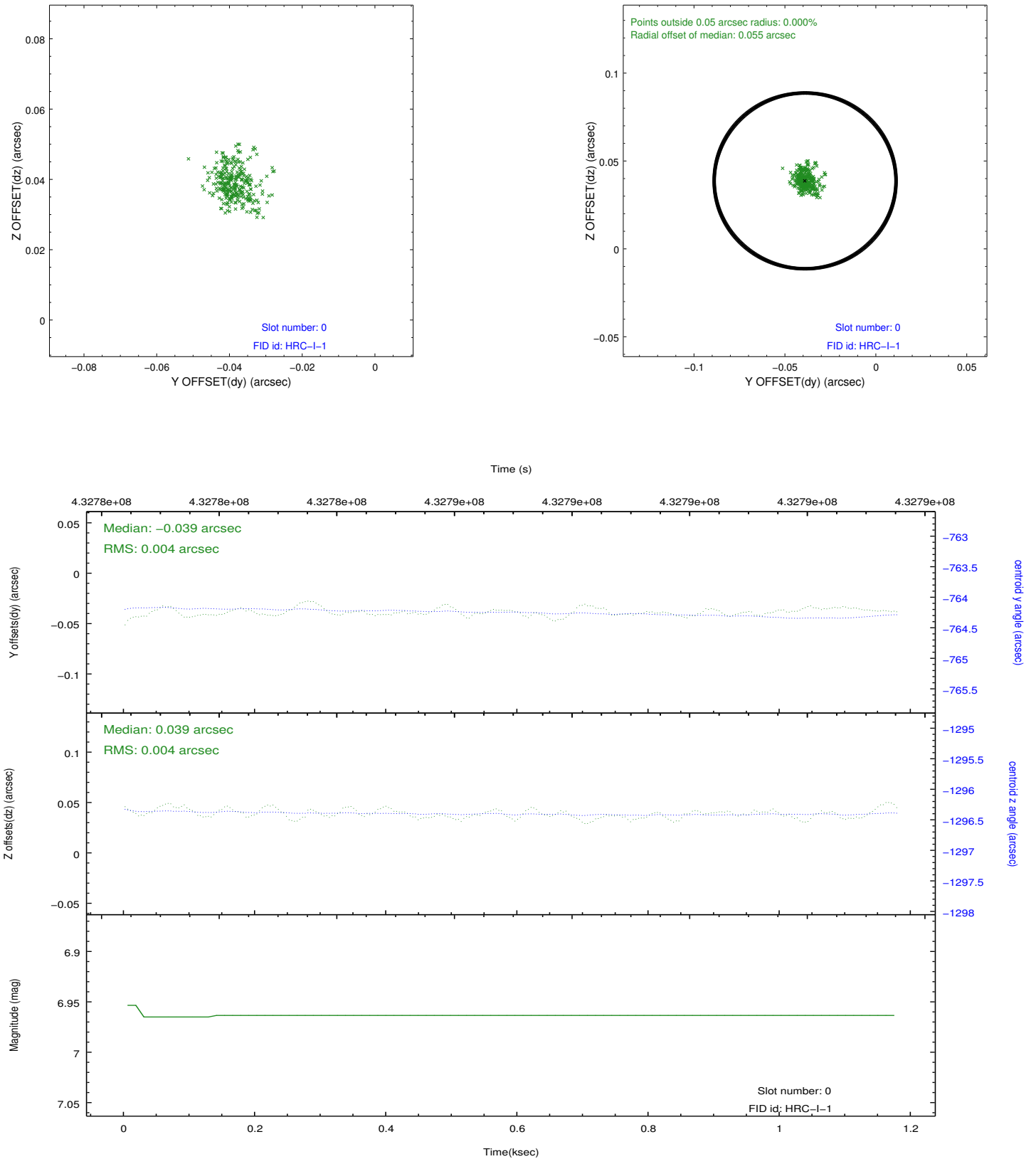


## 2.4.5 Slot 7

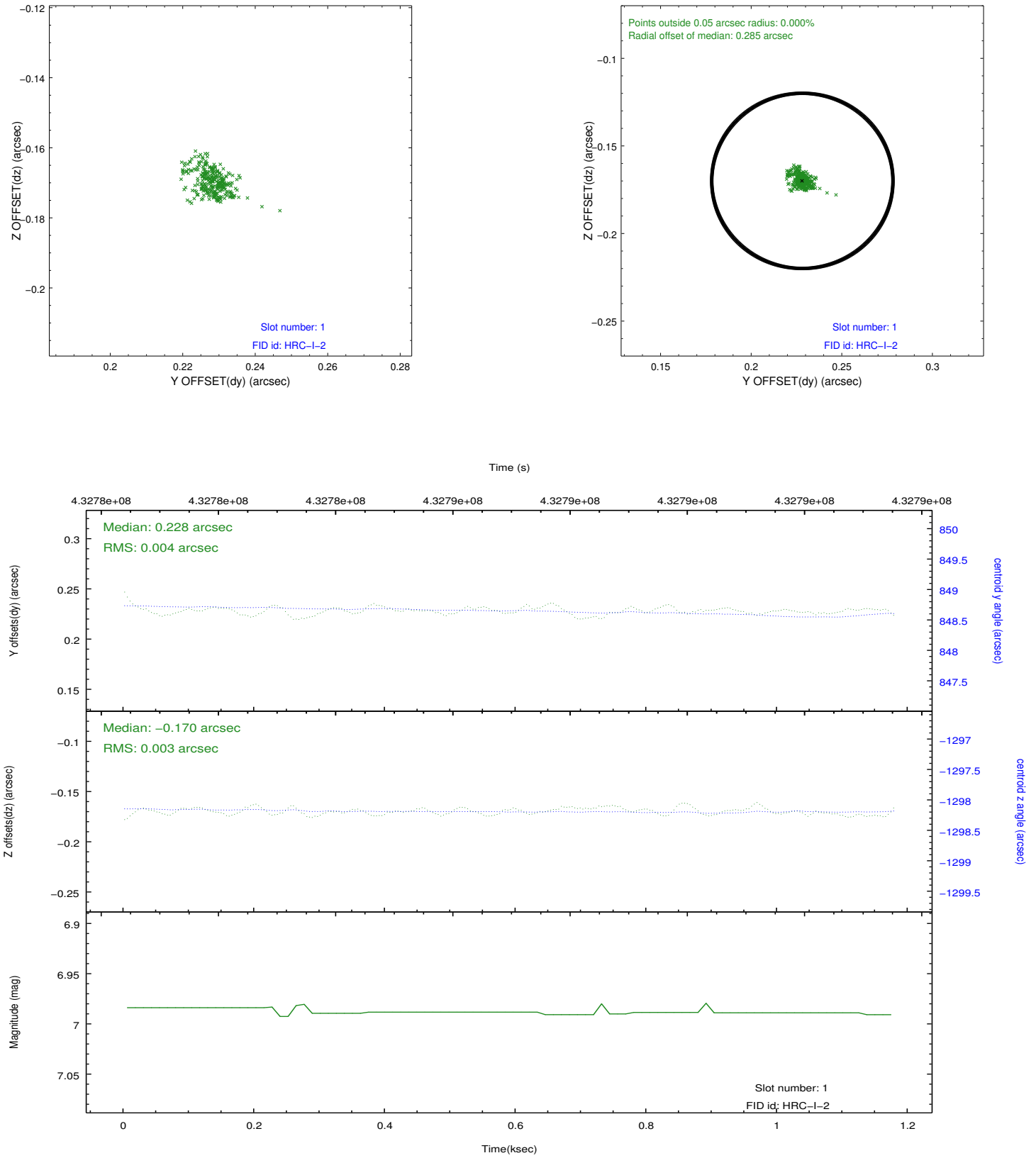


## 2.5 FID Slots

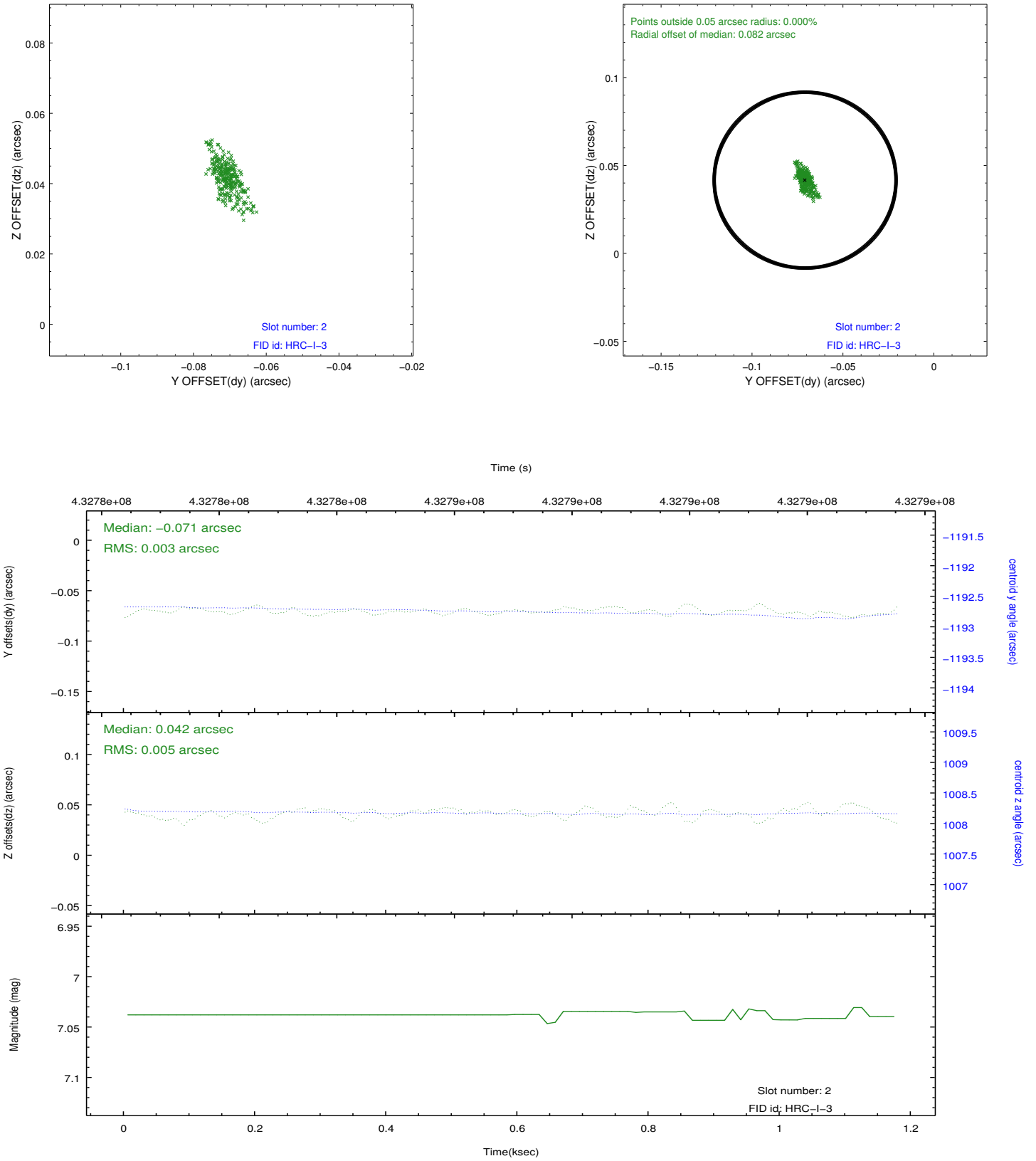
### 2.5.1 Slot 0



## 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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313118696

### A.2 Comments