

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13059 - L2 Version 3  
Chandra X-Ray Center

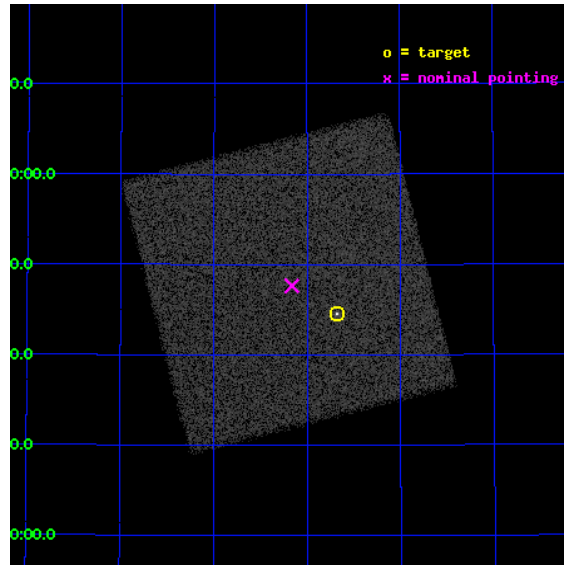
L2 Processing Date : Jul 27 2012

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# 1 Front

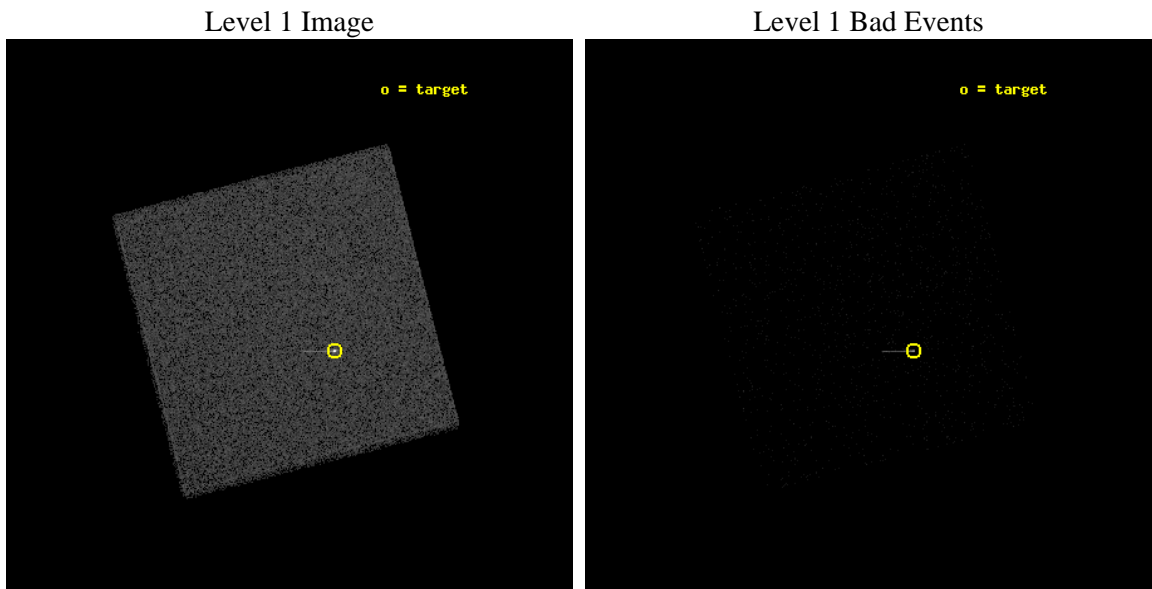
seq_num	290978	Sequence number
obs_id	13059	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.29055718653	Nominal RA [deg]
dec_nom	45.79405881792	Nominal Dec [deg]
roll_nom	210.6278064692	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1188.2313122153	[s]
livetime	1176.9058722386	Ontime multiplied by DTCOR
l2events	82118	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	1188.2313122153	[s]
caldbver	4.5.1	&#160	l1events	143287	Number of level 1 events
date	2012-07-28T02:24:51	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

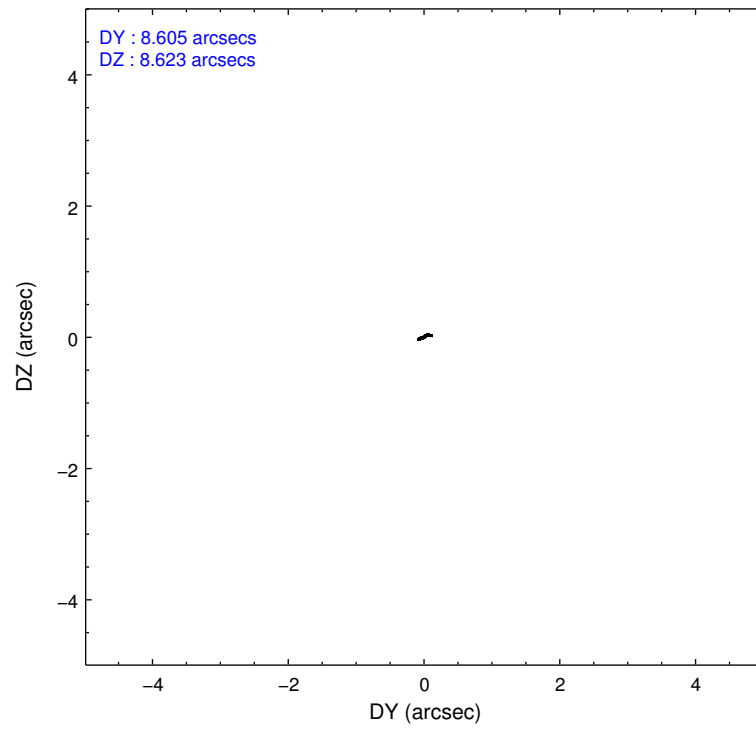
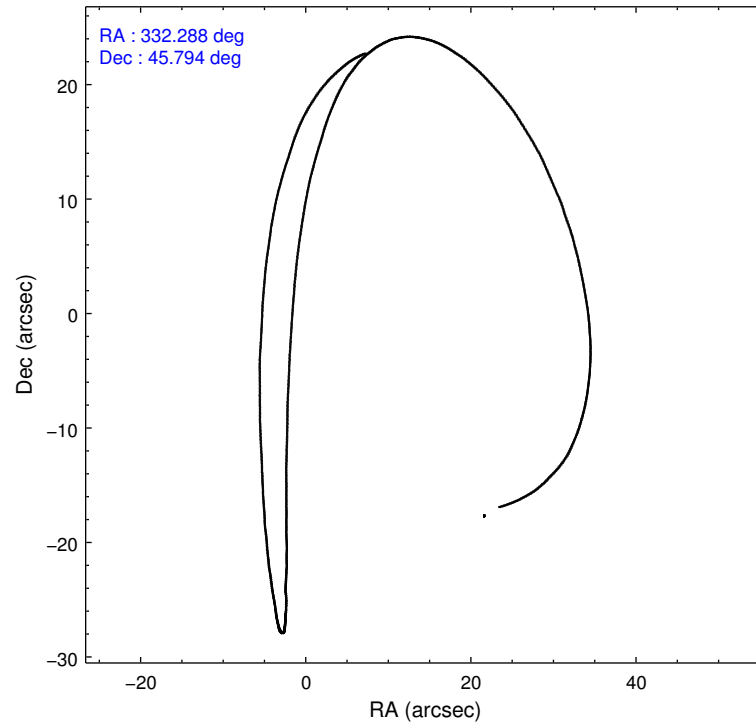
	<b>segment 0</b>
level 1 events	143287
rejected events	30671
rejected %	21%

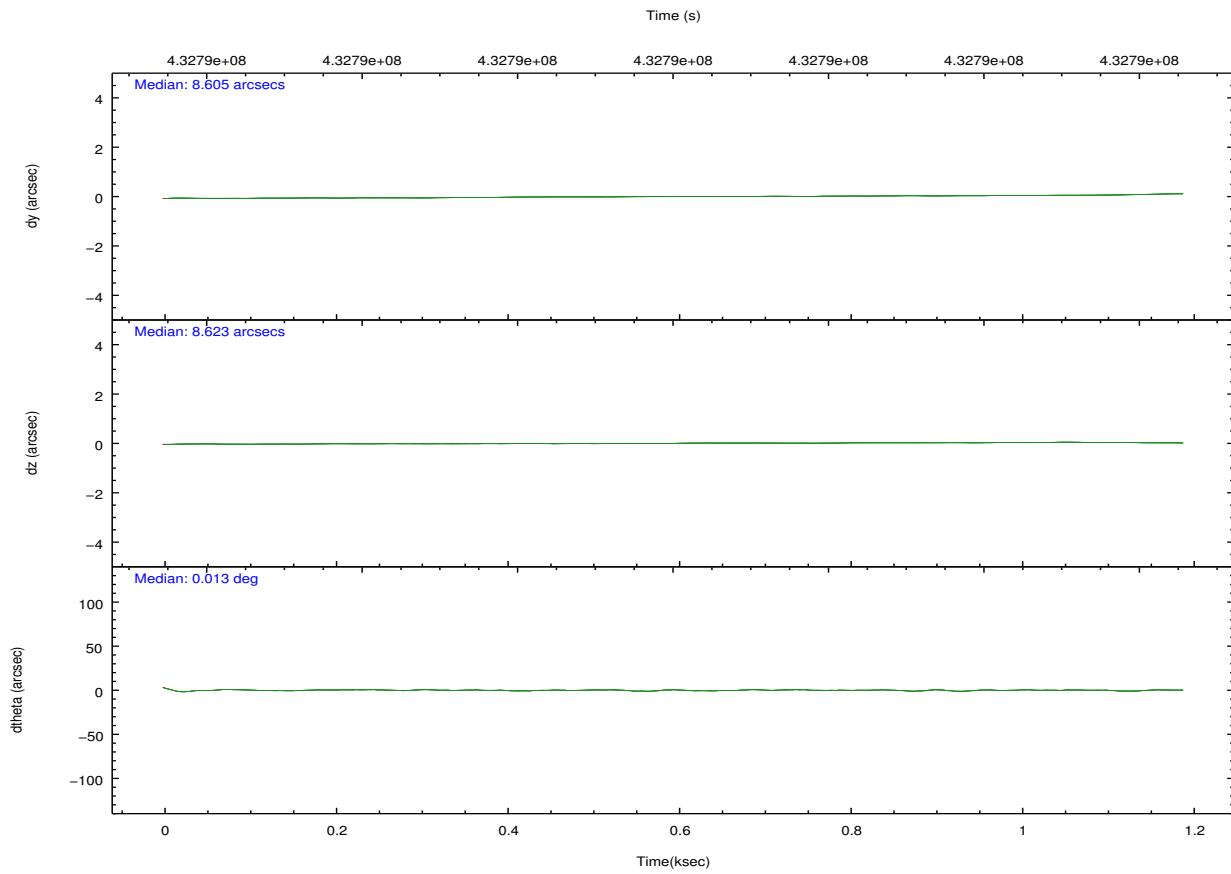
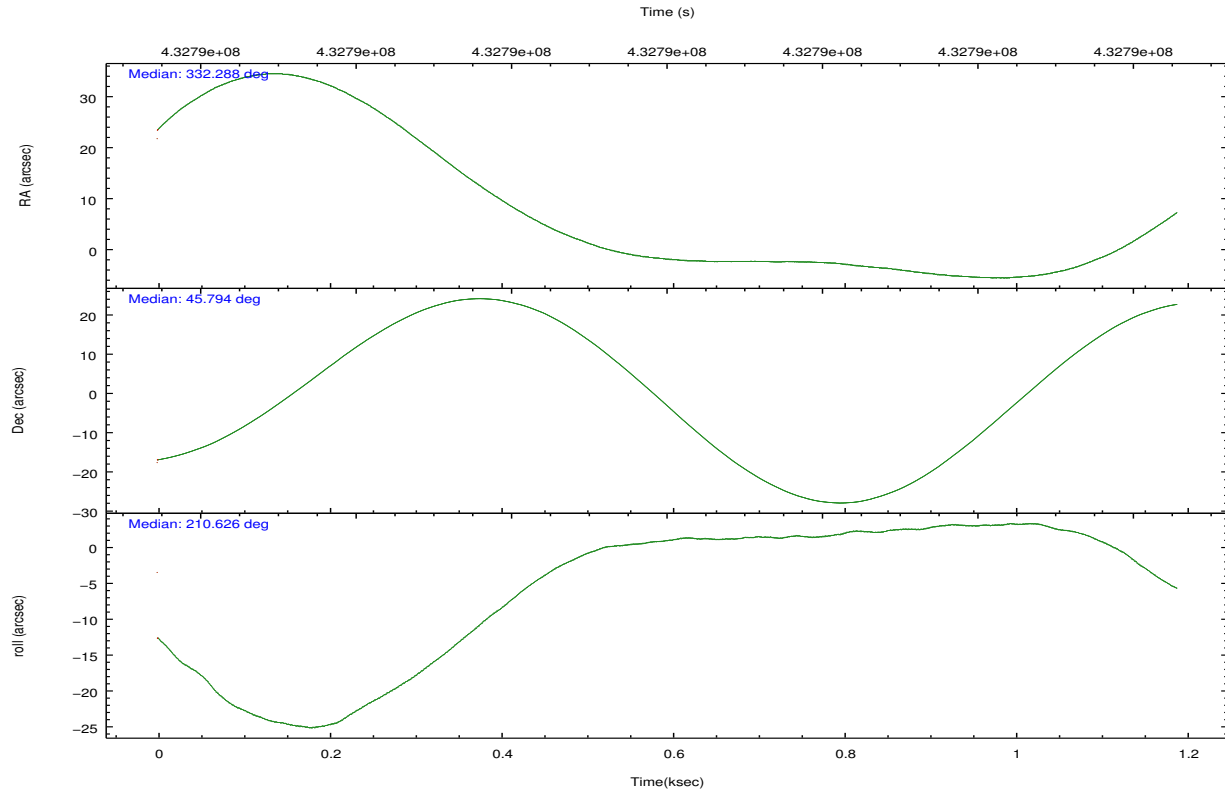
## 2.2 Compared Parameters

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	332.308631	332.2905571865263
[deg] Pointing Dec	45.818082	45.79405881792026
[deg] Pointing Roll	210.710290	210.6278064692006
[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)	432786395.184000	432786019.92353
Observation start date	2011-09-19T02:25:29	2011-09-19T02:20:19
[s] Observation end time (MET)	432787395.184000	432787529.74861
Observation end date	2011-09-19T02:42:09	2011-09-19T02:45:29

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

## 2.3 Aspect





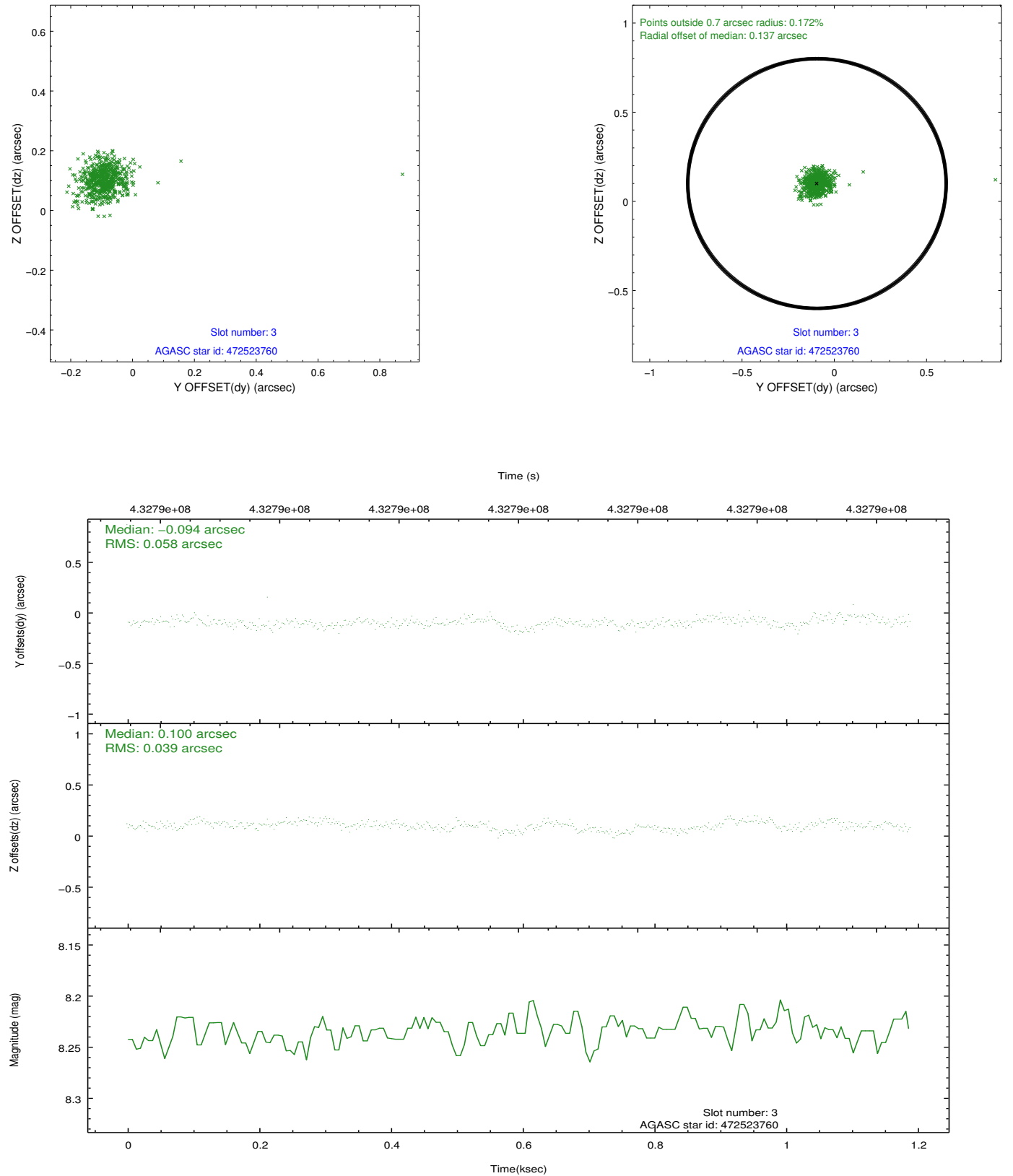
### Slot Statistics

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	291	-0.096	-0.012	0.005	0.009	0.000000	0.000000	-764.44	-1296.47
1	FID	HRC-I-2	6.99	291	0.180	-0.097	0.006	0.011	0.000000	0.000000	845.84	-1302.71
2	FID	HRC-I-4	6.97	291	0.032	0.017	0.005	0.009	0.000000	0.000000	1281.58	1001.08
3	GUIDE	472523760	8.23	581	-0.094	0.100	0.060	0.101	331.645363	45.403260	2201.41	421.91
4	GUIDE	472533912	9.14	581	-0.018	0.172	0.120	0.191	331.791136	46.368695	95.61	-2363.54
5	GUIDE	472651904	6.07	581	-0.123	-0.289	0.081	0.125	332.170077	45.742257	439.72	51.39
6	GUIDE	472655152	9.42	581	0.080	-0.103	0.113	0.184	332.504239	45.862991	-502.75	110.89
7	GUIDE	472665256	9.01	577	0.162	0.137	0.084	0.131	332.808125	46.195041	-1764.97	-534.43

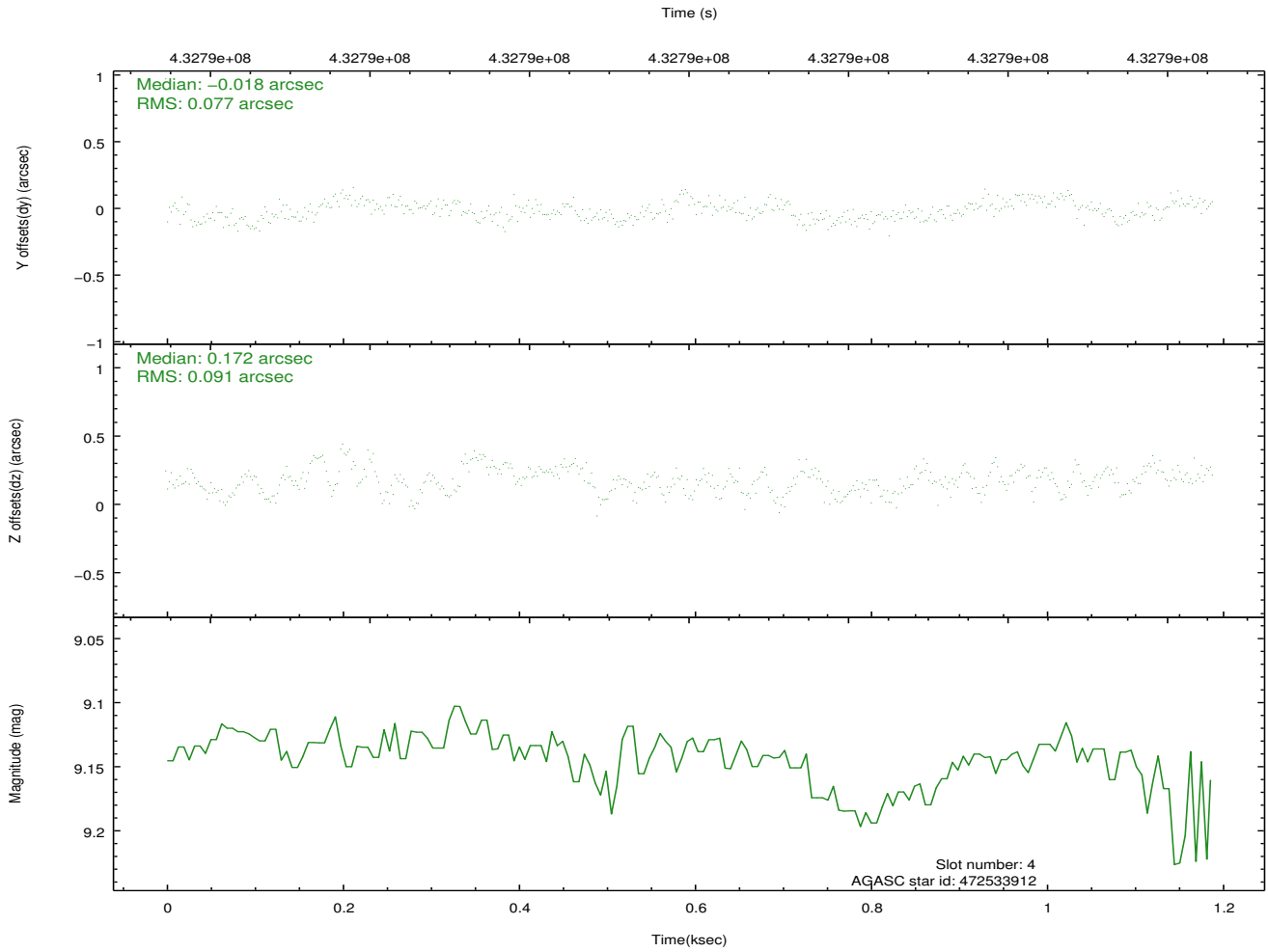
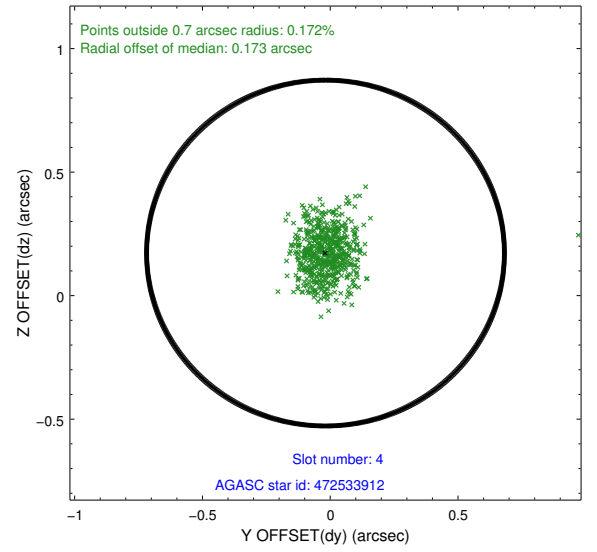
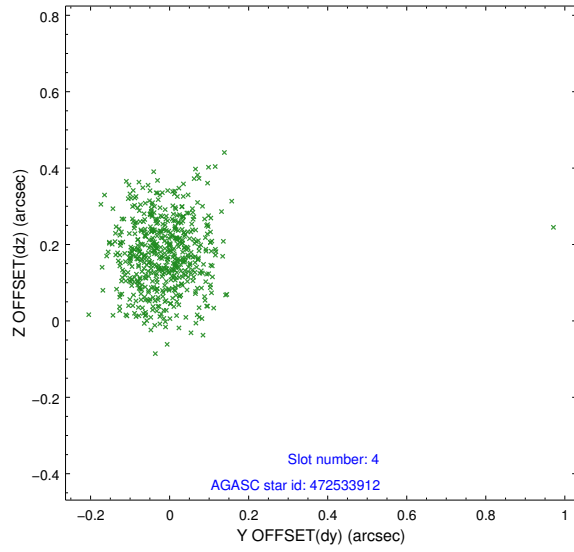


## 2.4 Star Slots

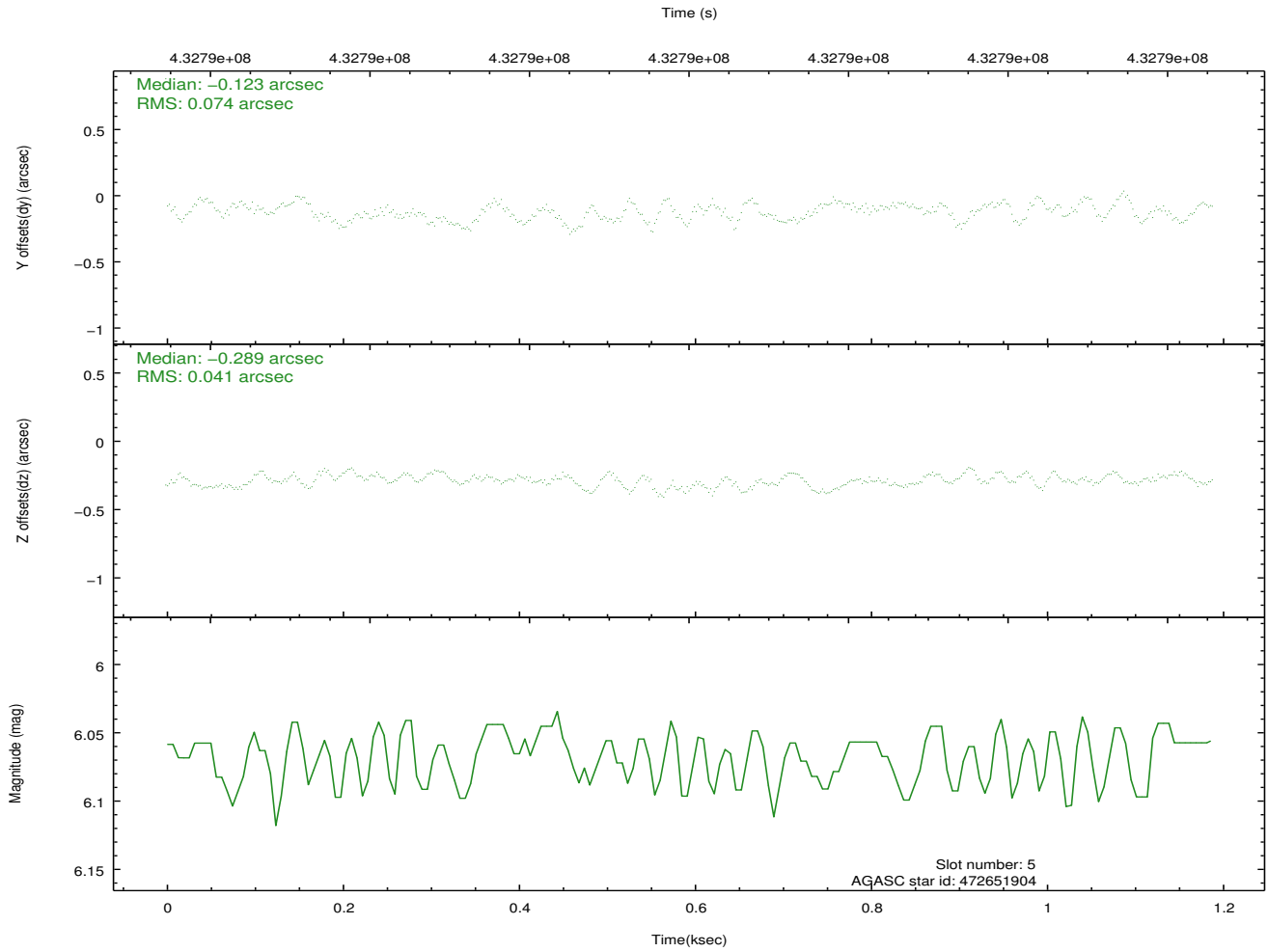
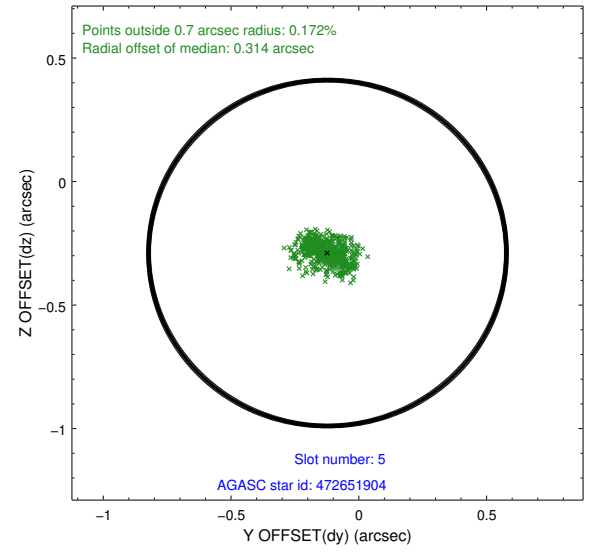
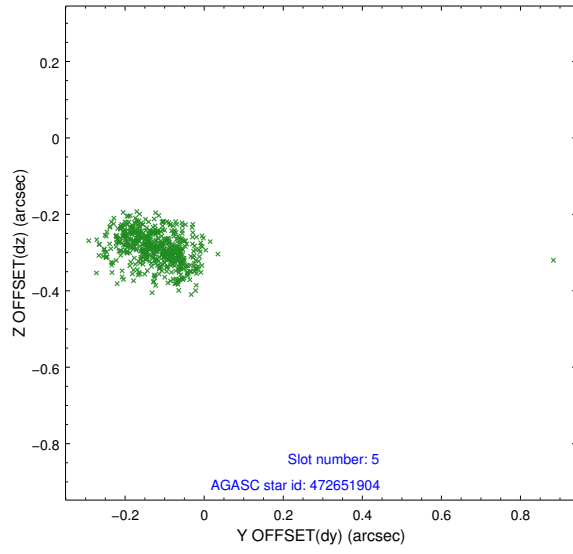
### 2.4.1 Slot 3



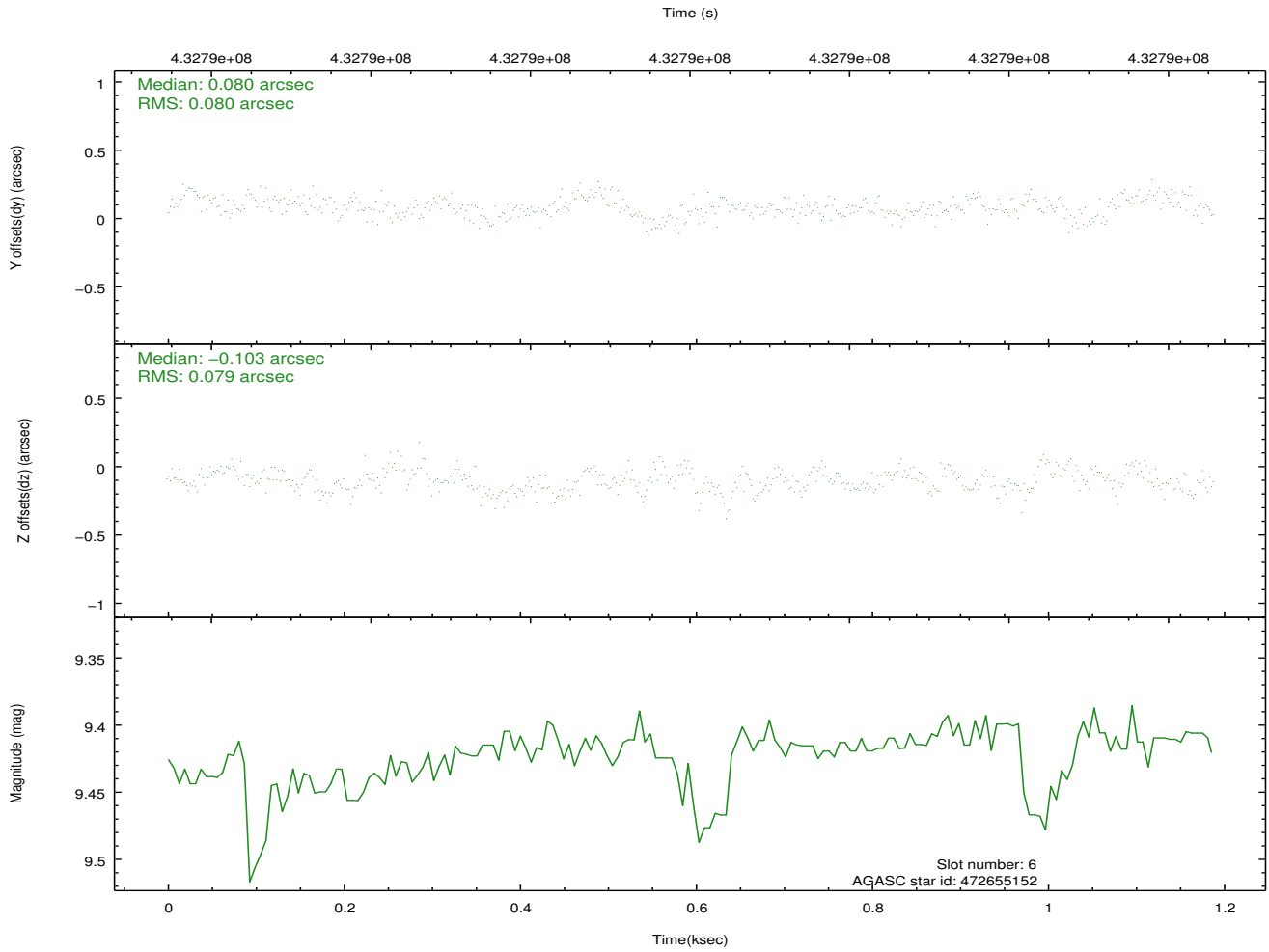
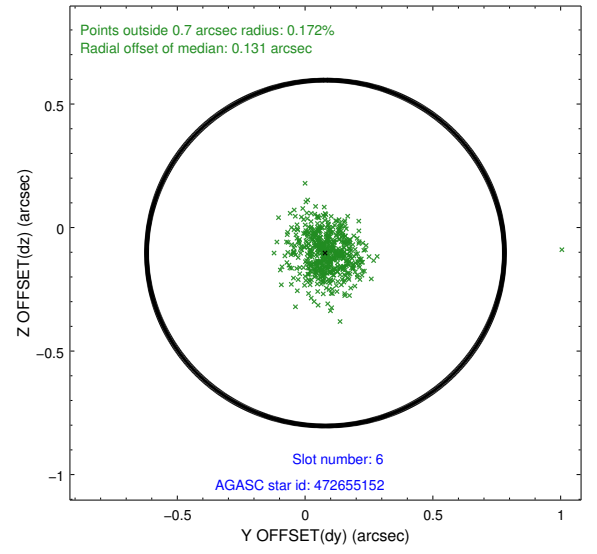
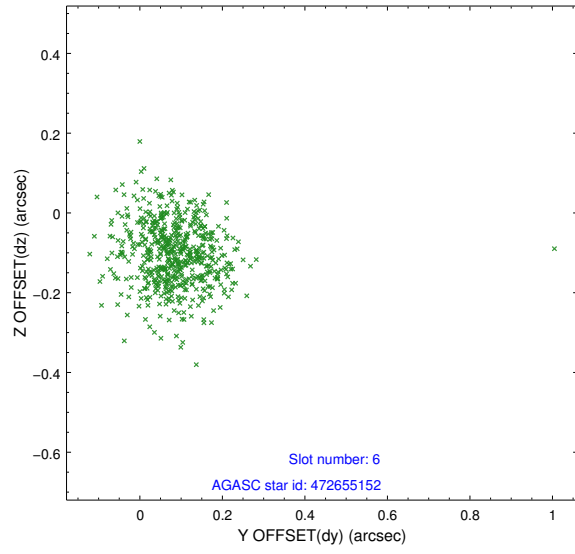
## 2.4.2 Slot 4



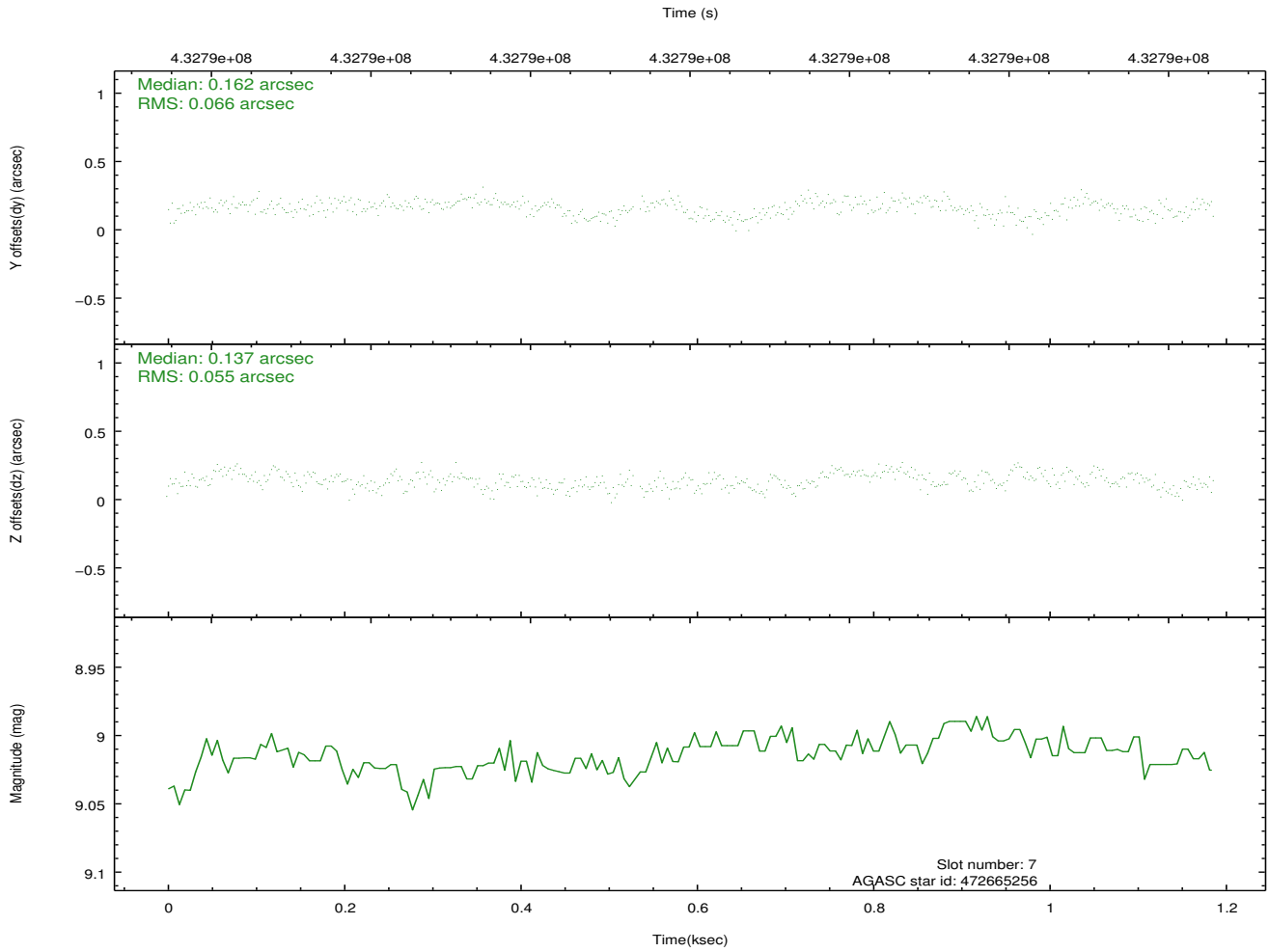
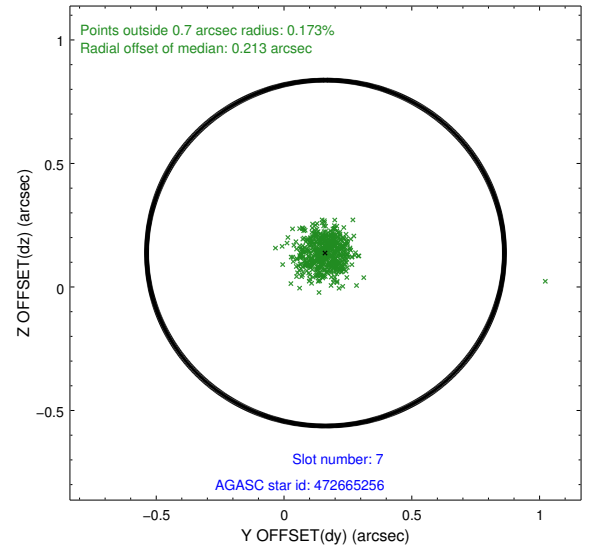
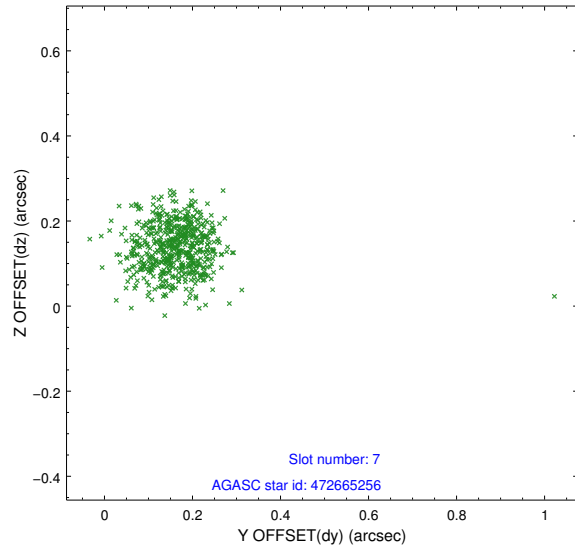
### 2.4.3 Slot 5



## 2.4.4 Slot 6

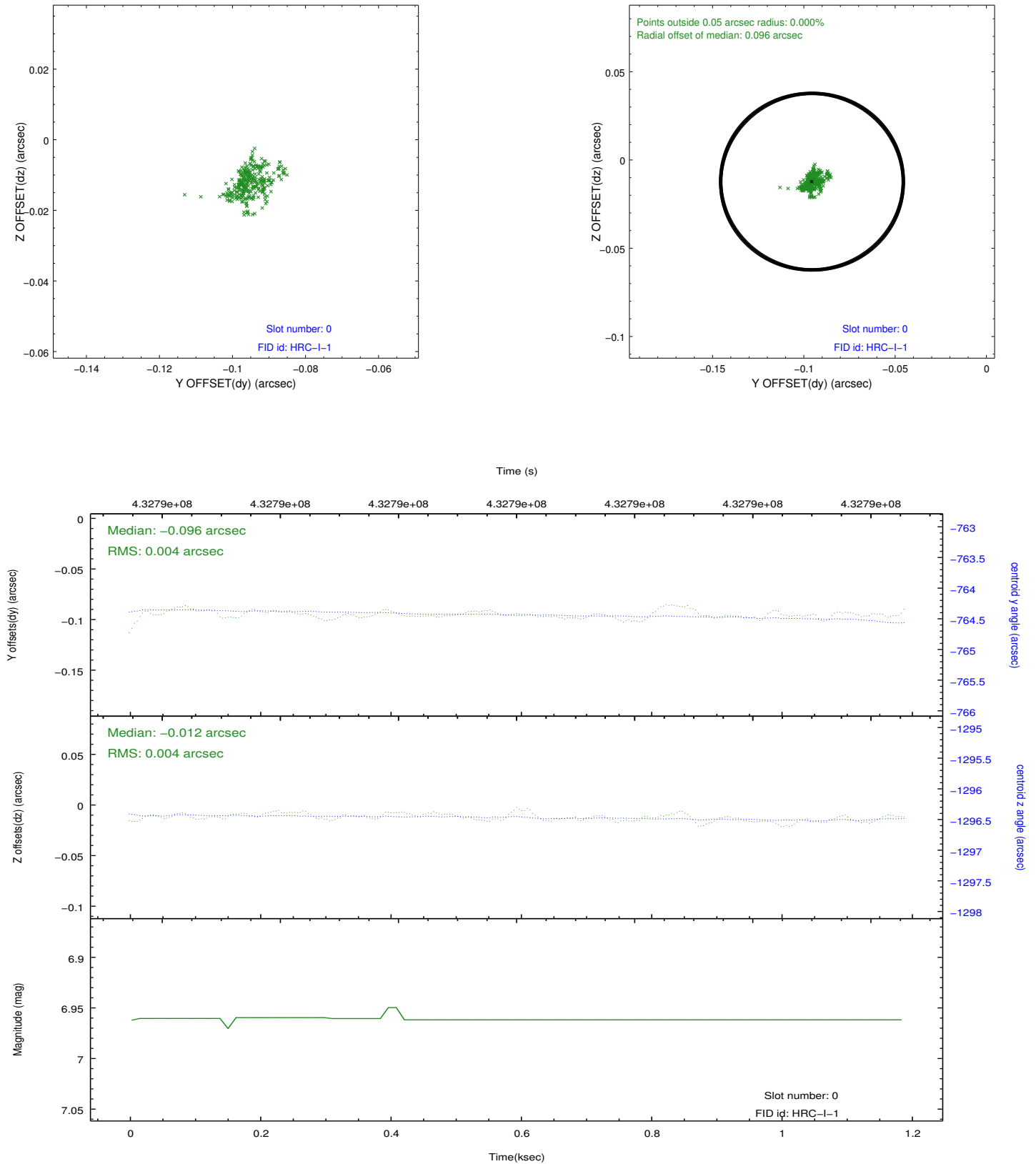


## 2.4.5 Slot 7

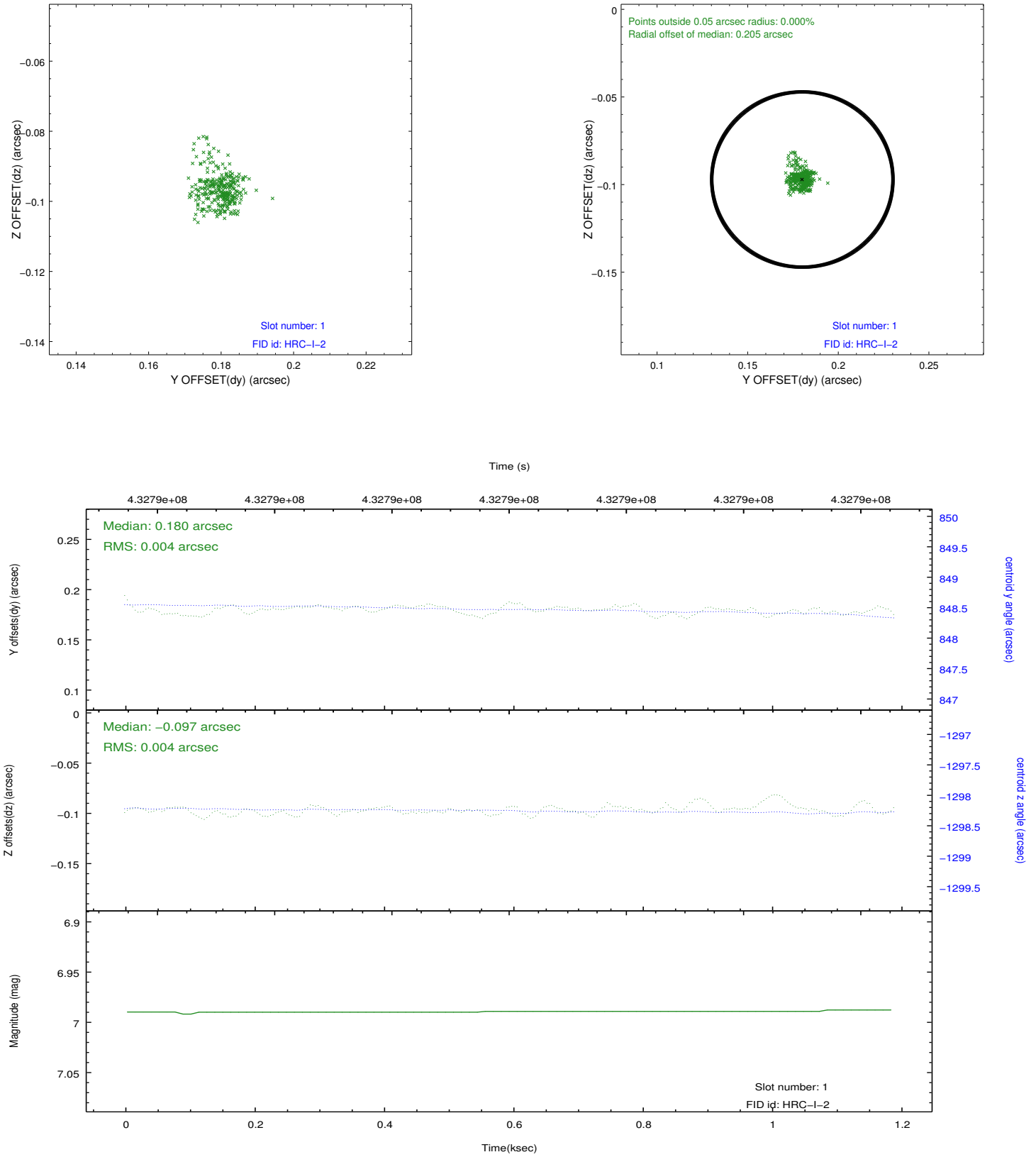


## 2.5 FID Slots

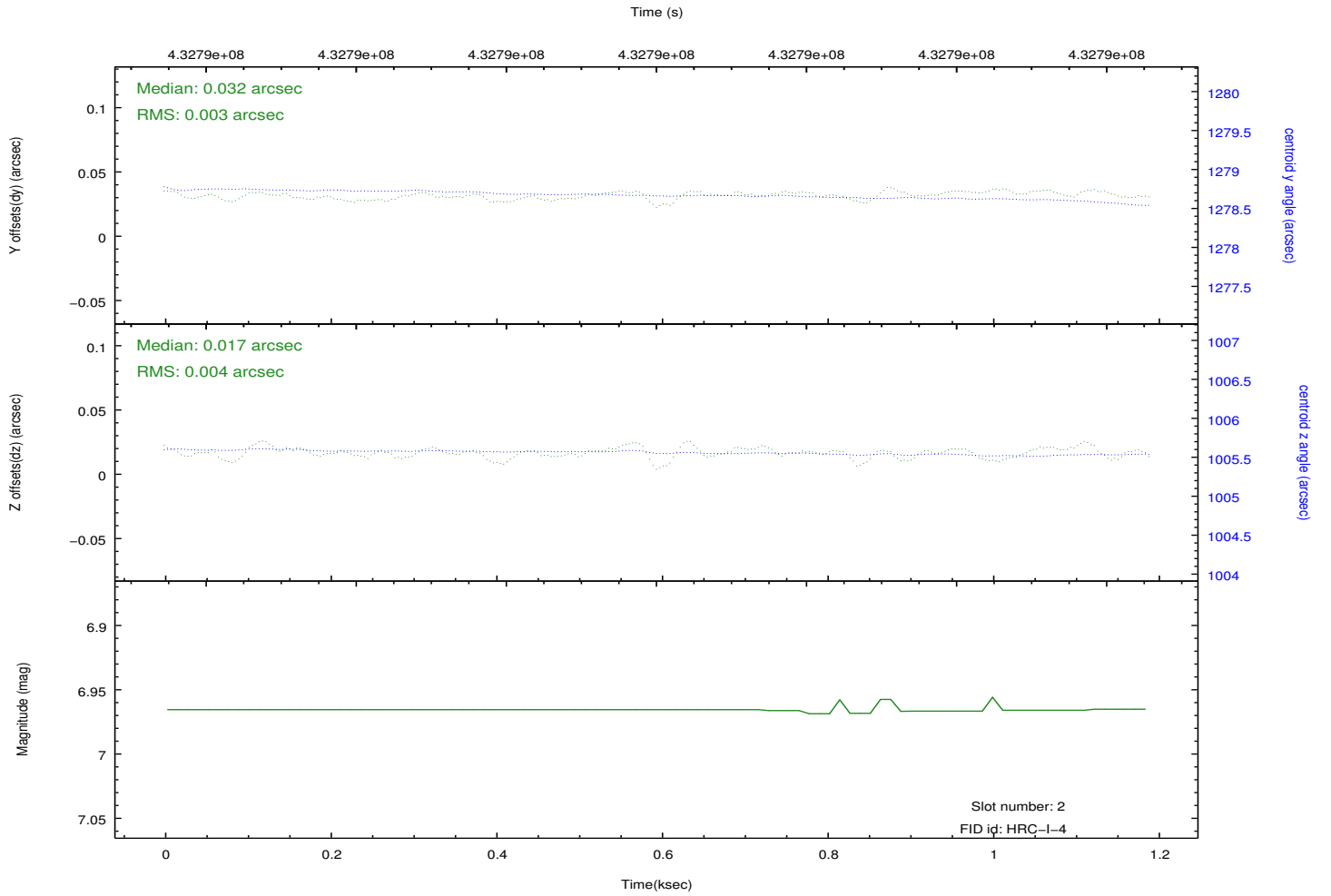
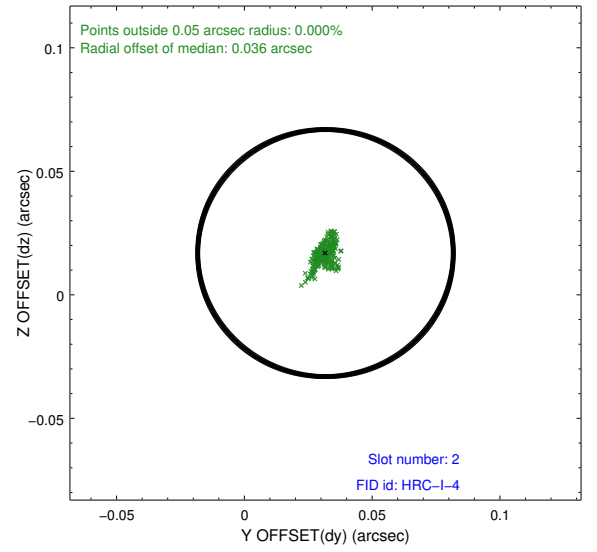
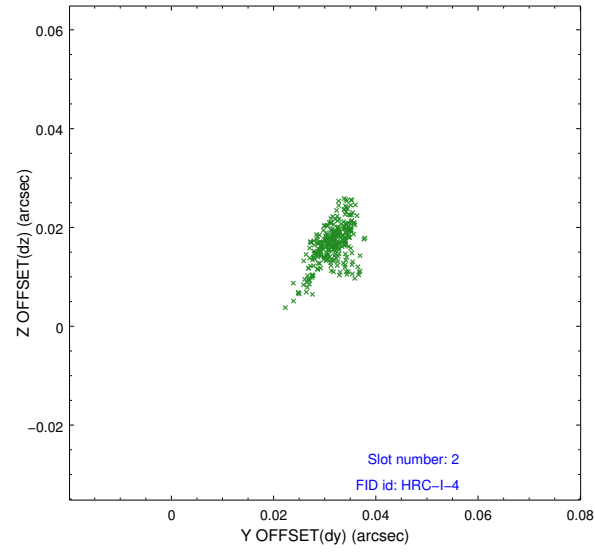
### 2.5.1 Slot 0



## 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	1.1882313121557

### A.2 Comments