

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13055 - L2 Version 3  
Chandra X-Ray Center

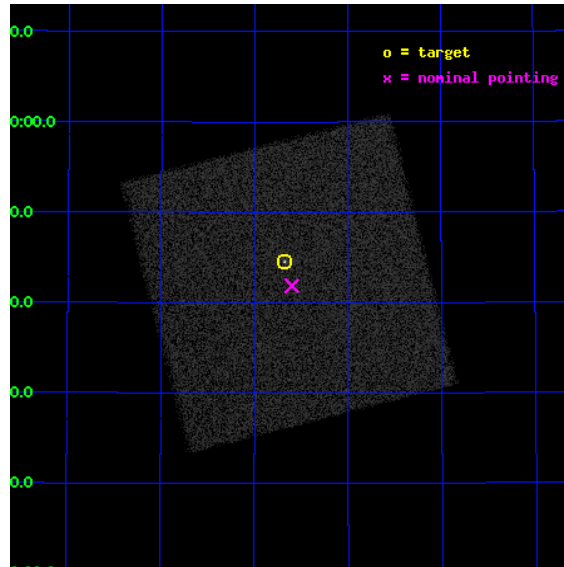
L2 Processing Date : Jul 27 2012

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# 1 Front

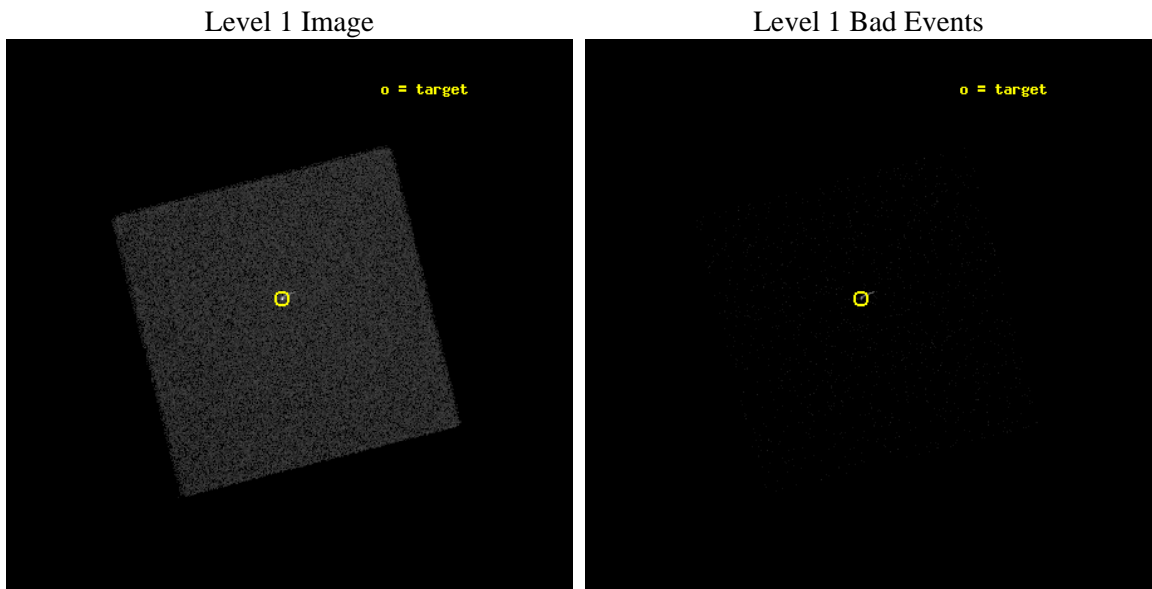
seq_num	290974	Sequence number
obs_id	13055	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14993709845	Nominal RA [deg]
dec_nom	45.697898906857	Nominal Dec [deg]
roll_nom	210.74450424639	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1180.0313118696	[s]
livetime	1168.784529204	Ontime multiplied by DTCOR
l2events	82302	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	1180.0313118696	[s]
caldbver	4.5.1	&#160	l1events	143826	Number of level 1 events
date	2012-07-28T01:33:21	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

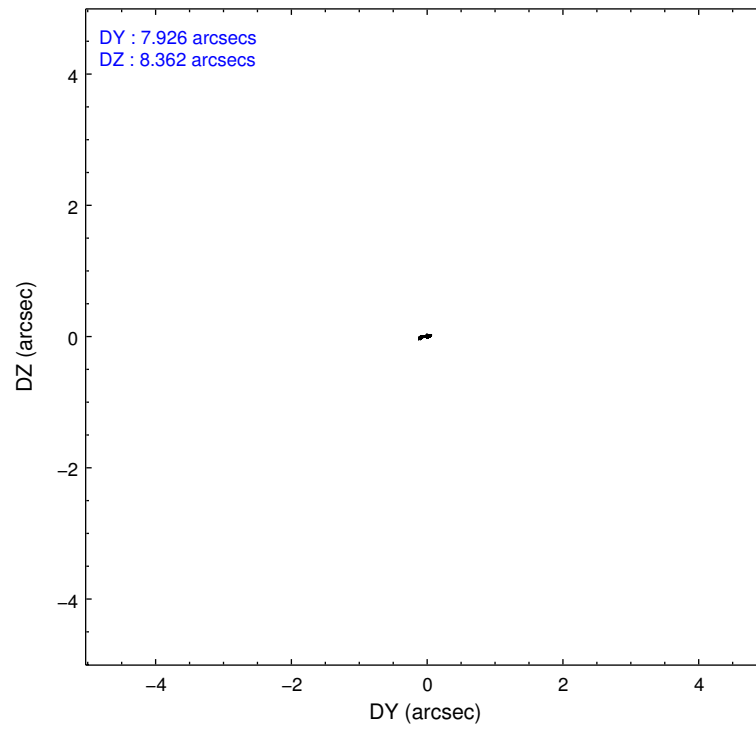
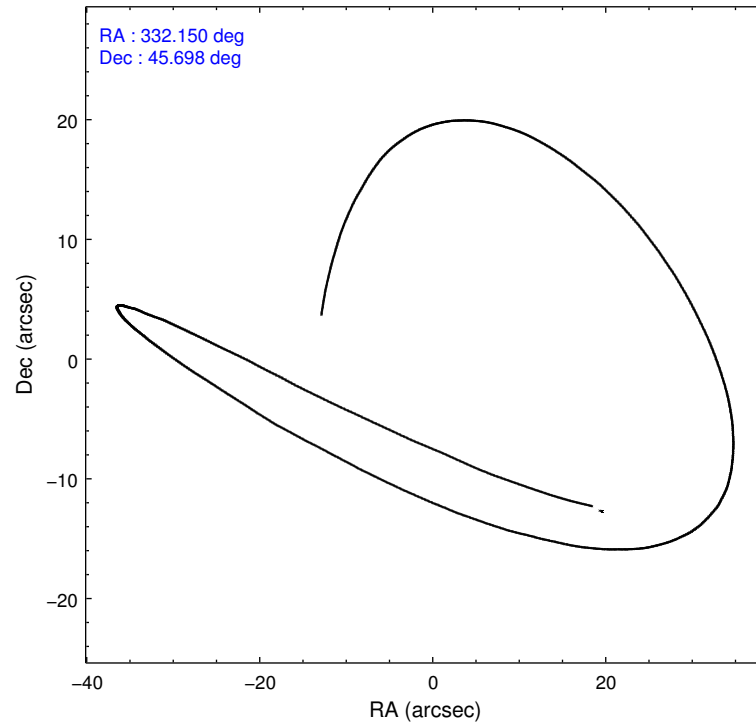
	<b>segment 0</b>
level 1 events	143826
rejected events	31489
rejected %	21%

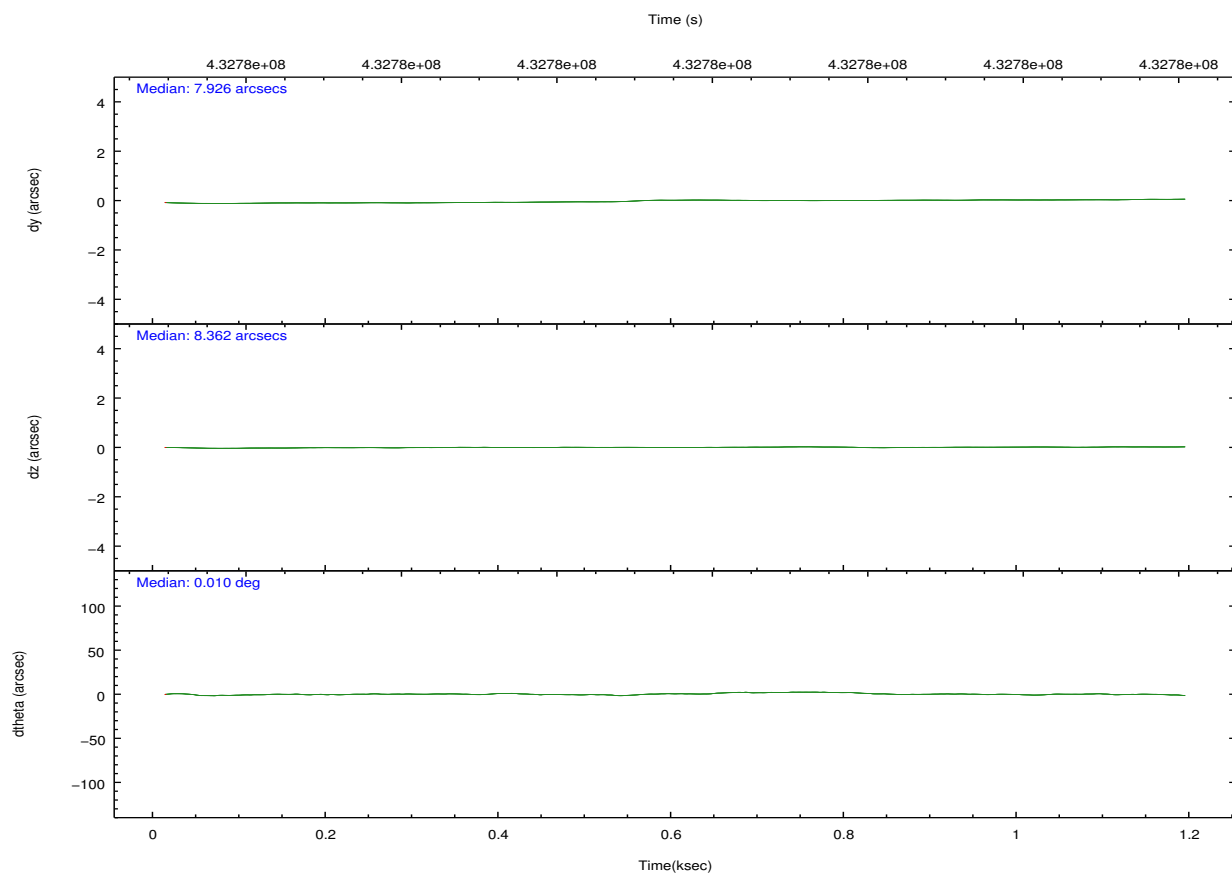
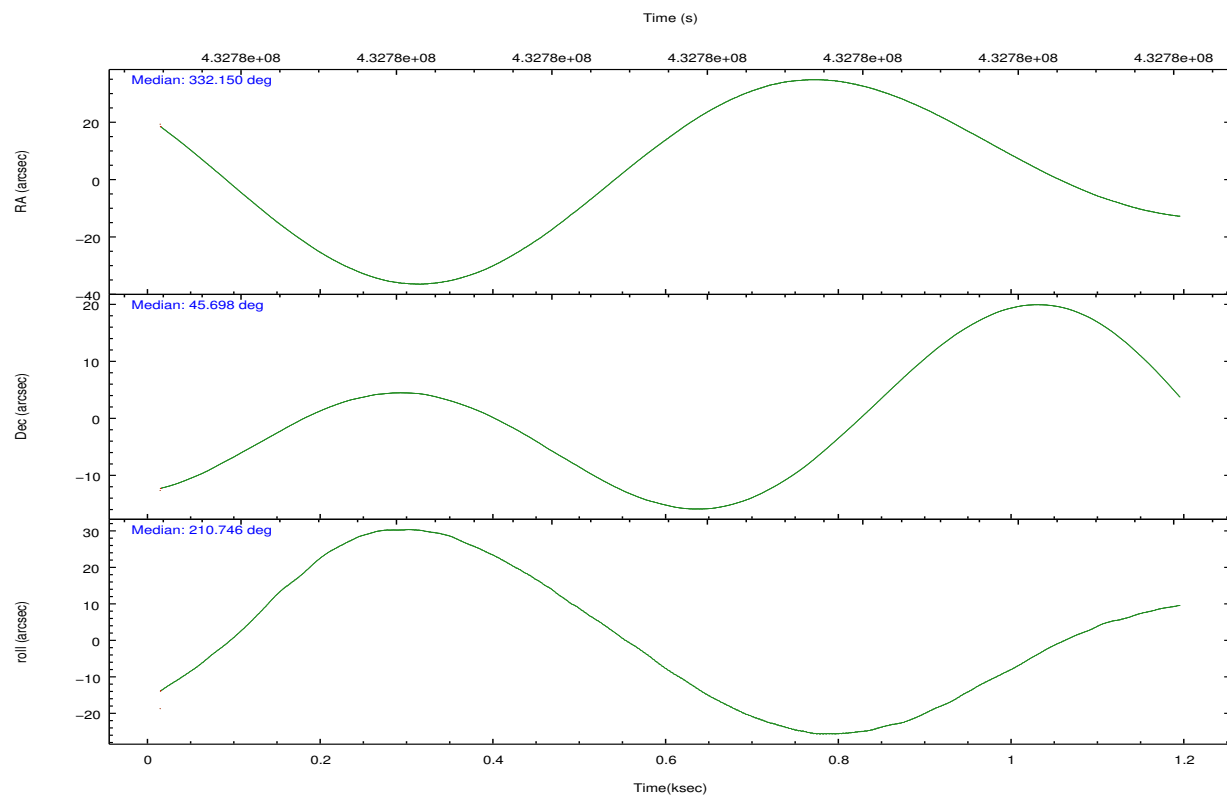
## 2.2 Compared Parameters

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	332.168819	332.1499370984528
[deg] Pointing Dec	45.721240	45.6978989068573
[deg] Pointing Roll	210.826462	210.7445042463897
[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)	432780355.184000	432779979.59821
Observation start date	2011-09-19T00:44:49	2011-09-19T00:39:39
[s] Observation end time (MET)	432781355.184000	432781489.42329
Observation end date	2011-09-19T01:01:29	2011-09-19T01:04:49

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

## 2.3 Aspect





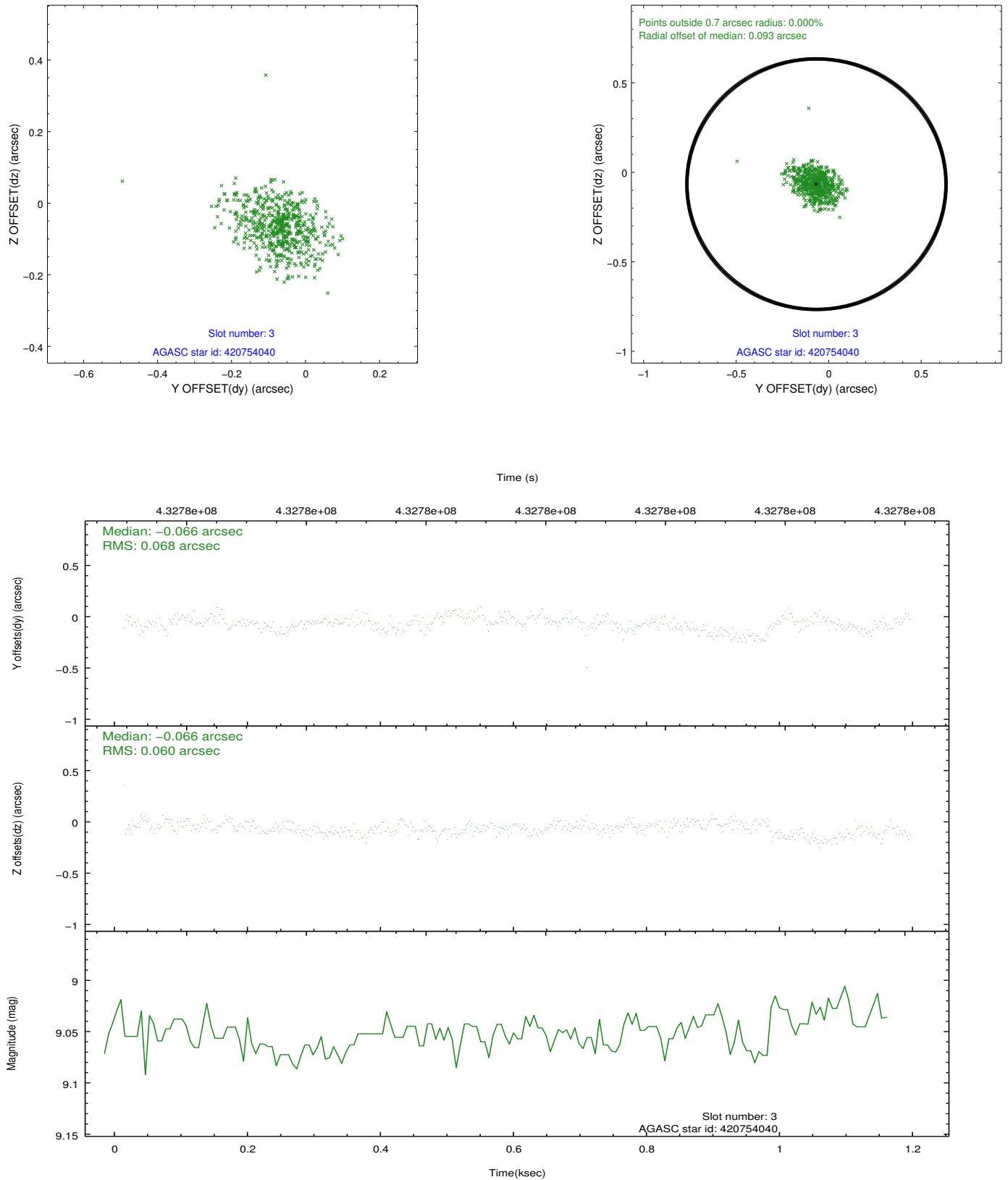
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	289	0.129	-0.111	0.009	0.026	0.000000	0.000000	849.22	-1297.94
1	FID	HRC-I-3	7.04	289	-0.171	0.069	0.011	0.023	0.000000	0.000000	-1189.20	1003.92
2	FID	HRC-I-4	6.96	289	0.160	-0.044	0.015	0.038	0.000000	0.000000	1275.35	1009.32
3	GUIDE	420754040	9.05	577	-0.066	-0.066	0.094	0.156	331.917939	44.882543	2095.03	2267.31
4	GUIDE	472523760	8.23	577	0.084	-0.132	0.066	0.110	331.645363	45.403260	1724.49	308.15
5	GUIDE	472525528	6.62	577	-0.340	0.060	0.082	0.152	331.551102	45.248694	2215.84	657.03
6	GUIDE	472665256	9.01	577	0.281	-0.015	0.092	0.142	332.808125	46.195041	-2241.21	-649.55
7	GUIDE	472659832	9.44	576	0.037	0.169	0.108	0.179	332.780399	46.098139	-2013.09	-385.65

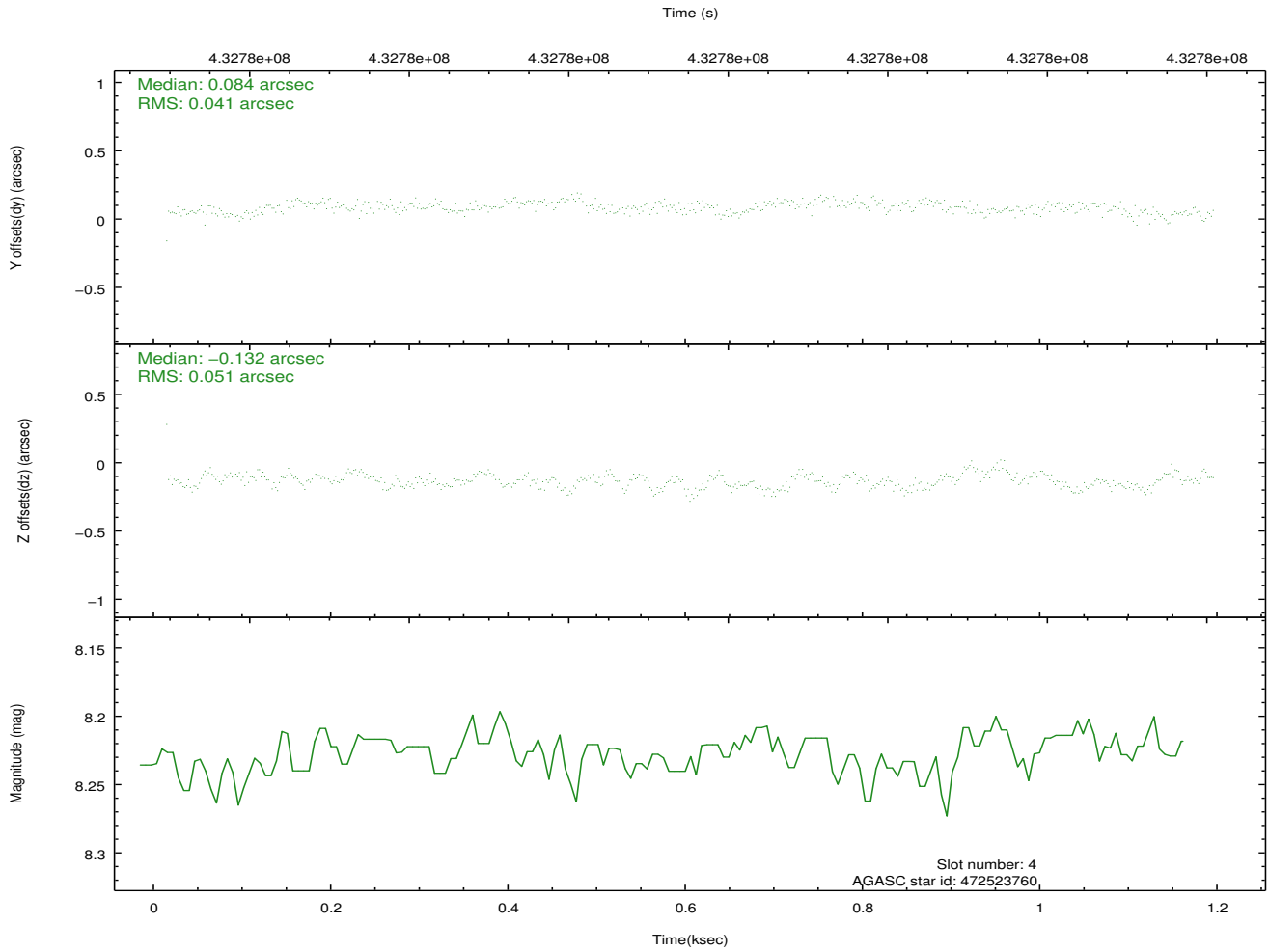
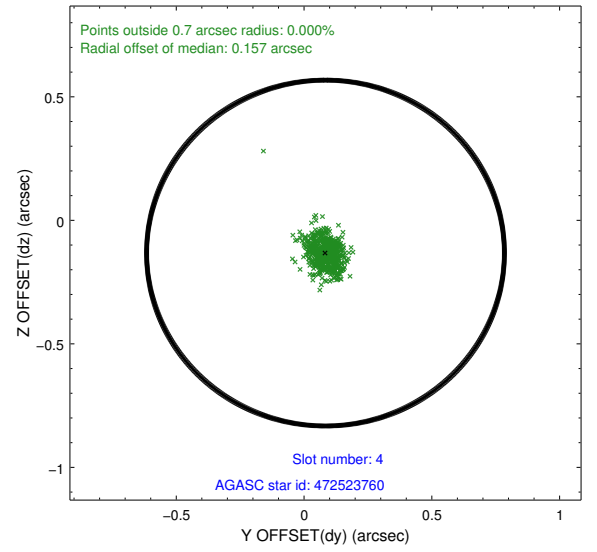
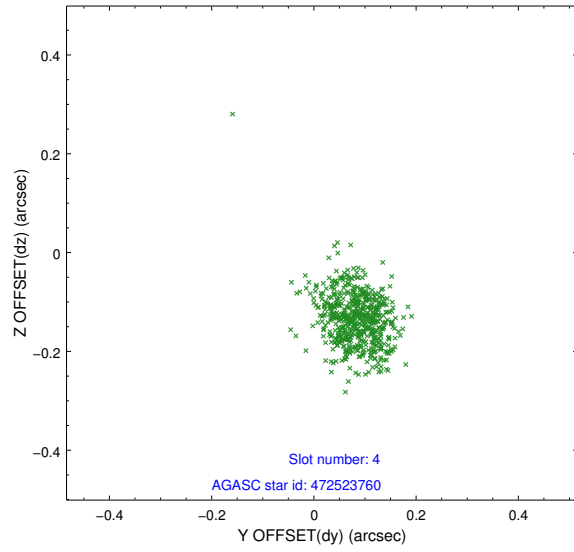


## 2.4 Star Slots

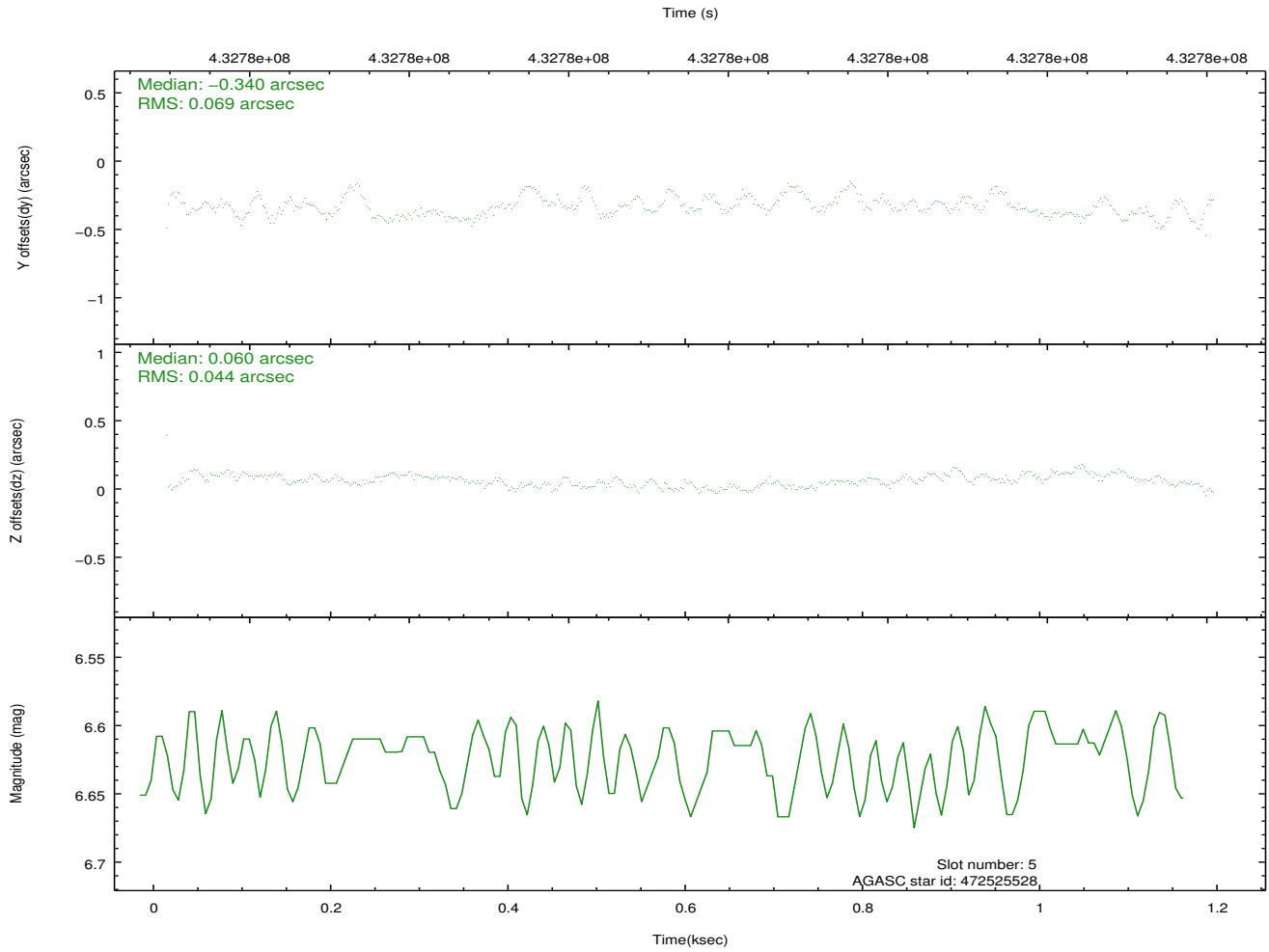
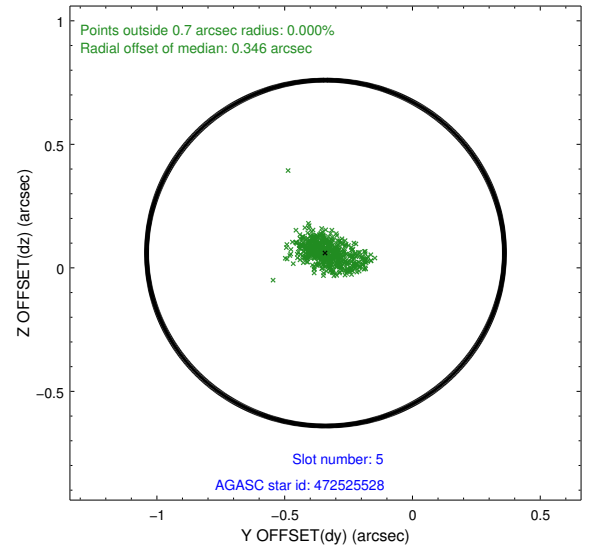
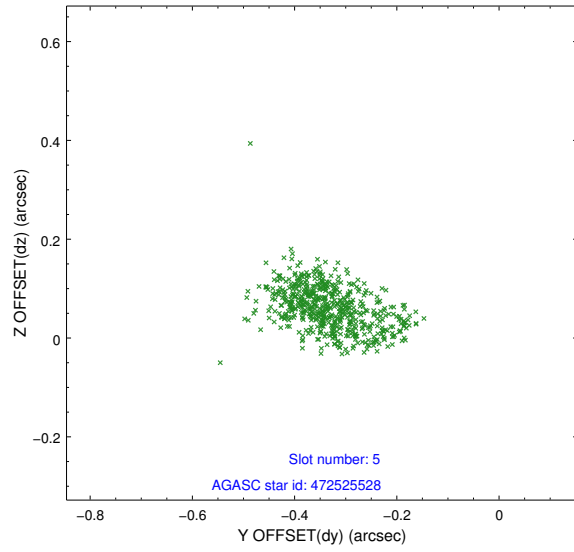
### 2.4.1 Slot 3



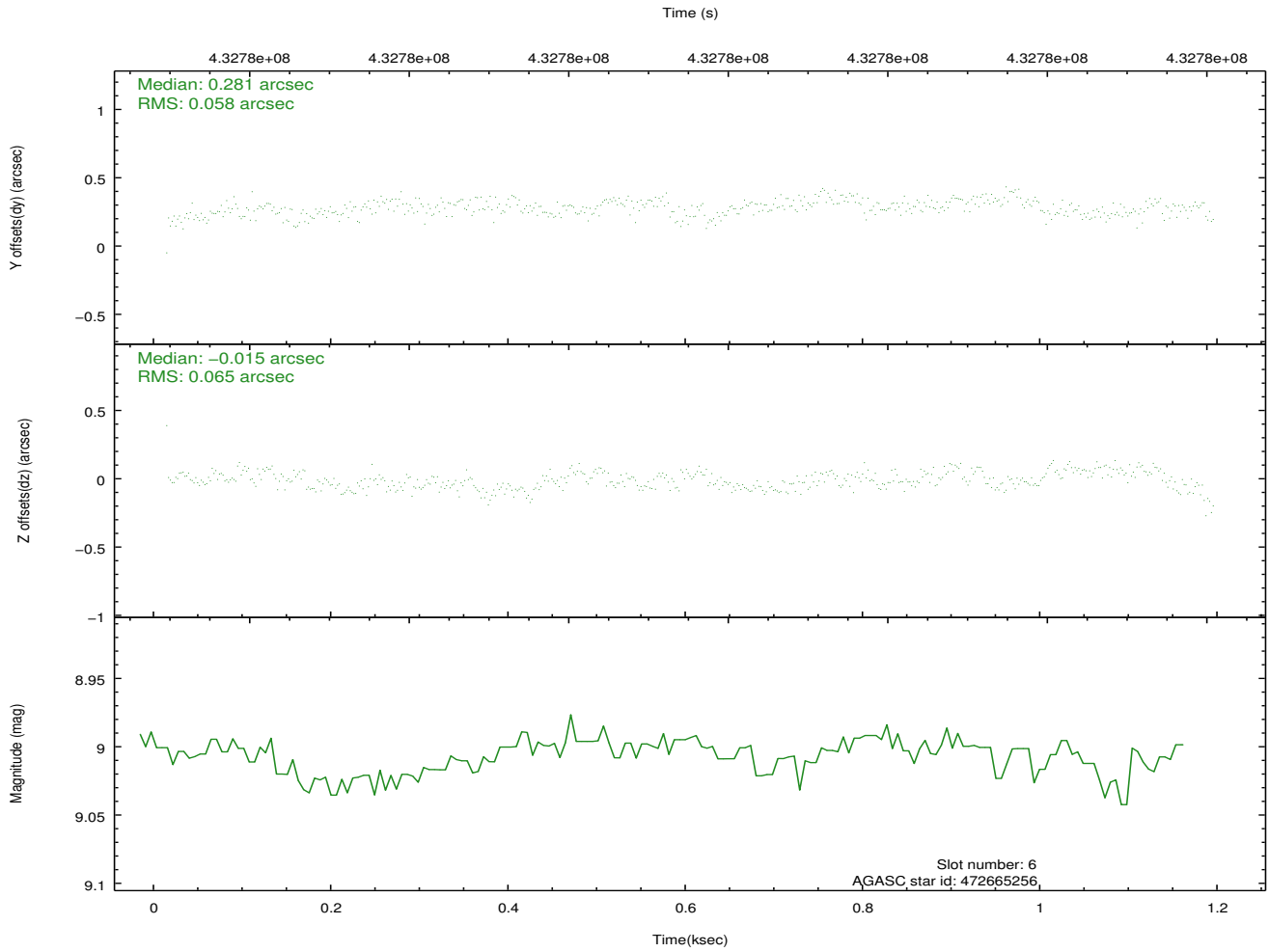
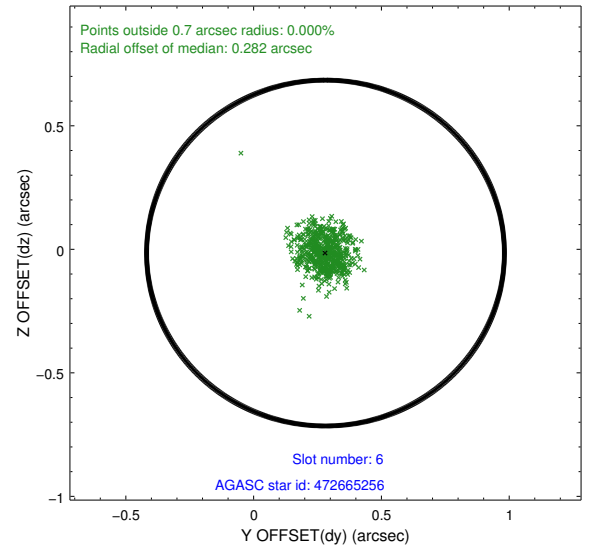
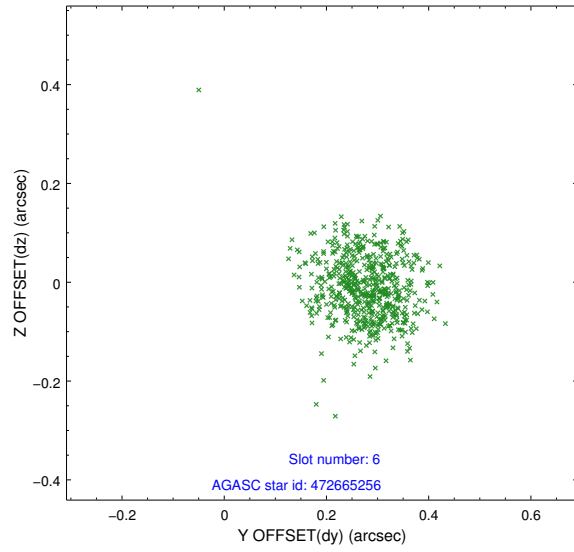
## 2.4.2 Slot 4



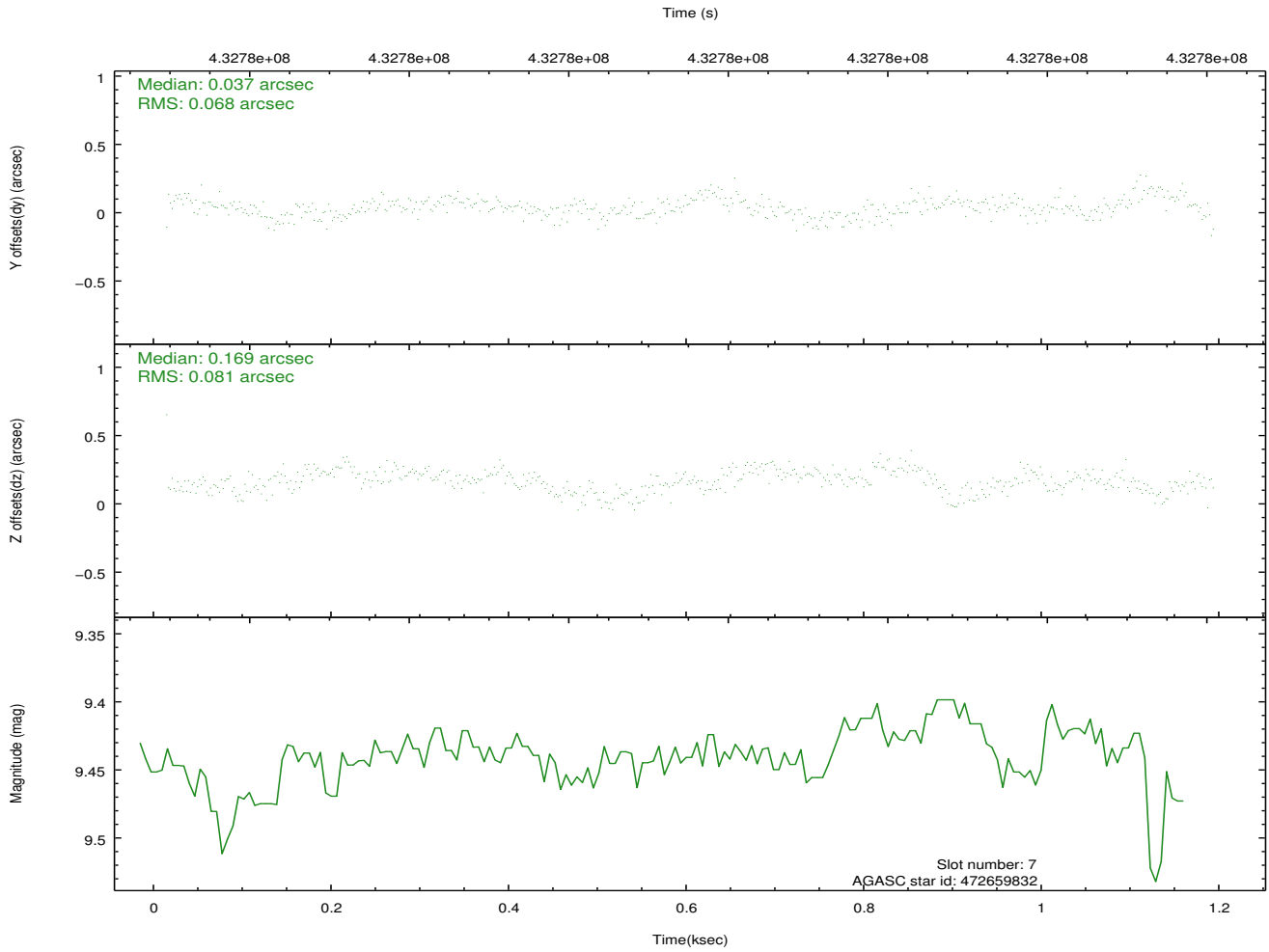
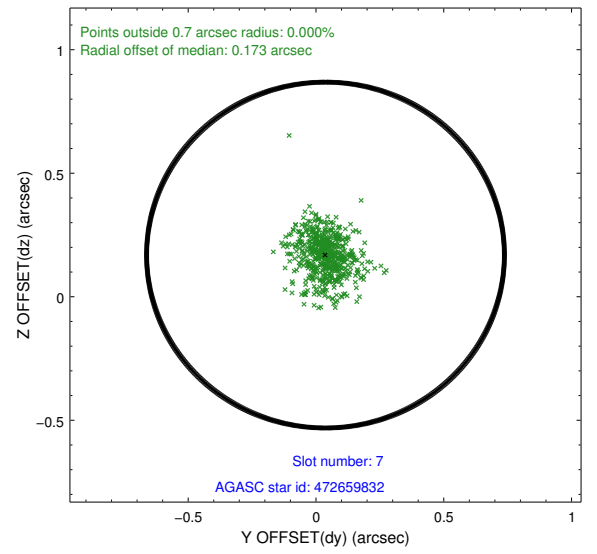
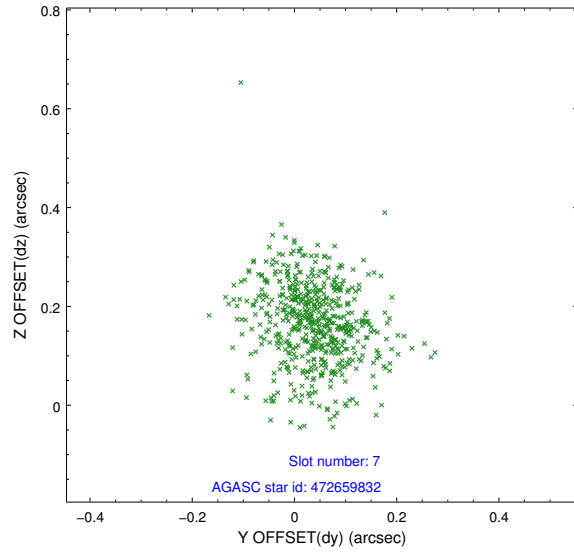
### 2.4.3 Slot 5



## 2.4.4 Slot 6

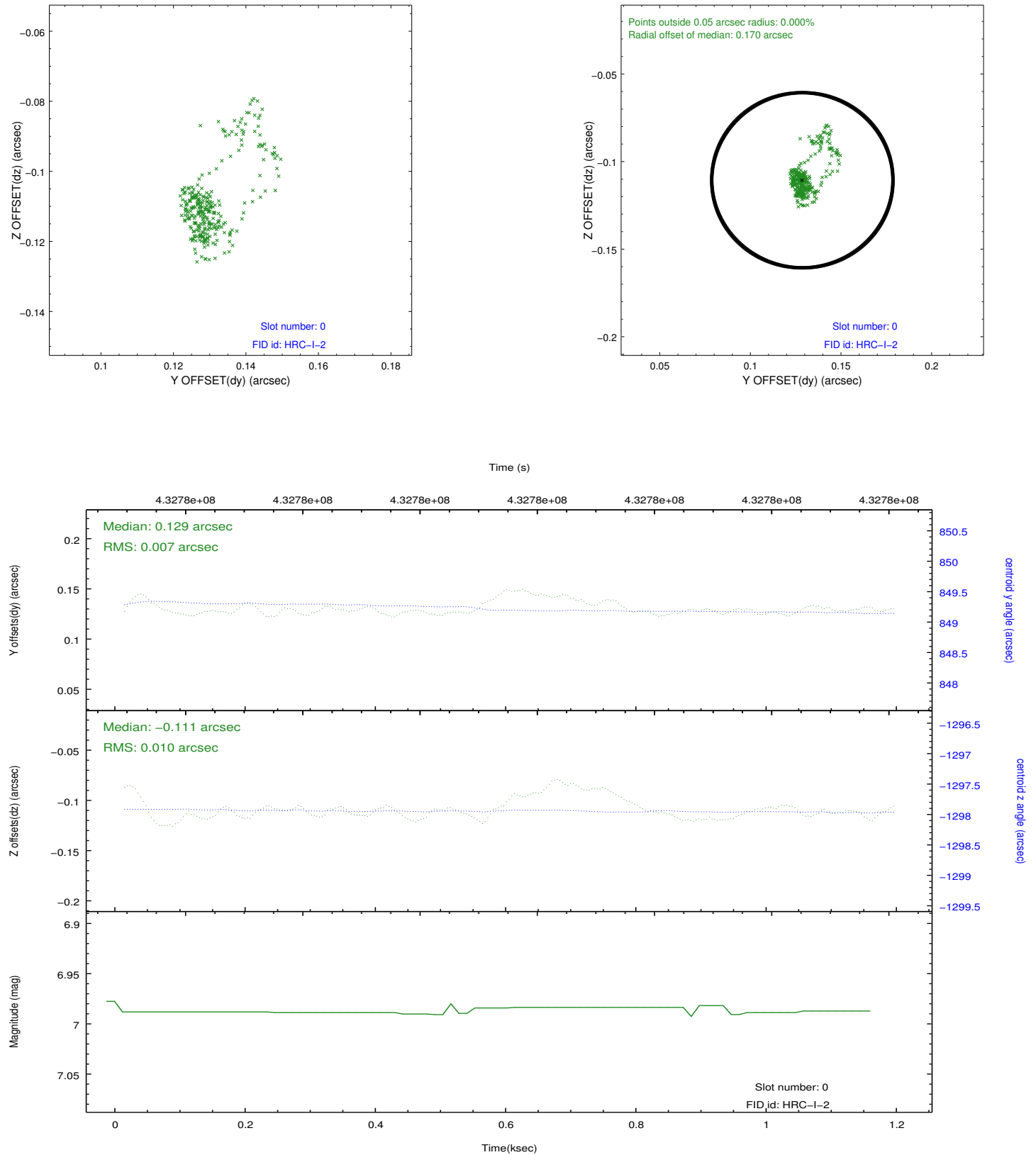


## 2.4.5 Slot 7

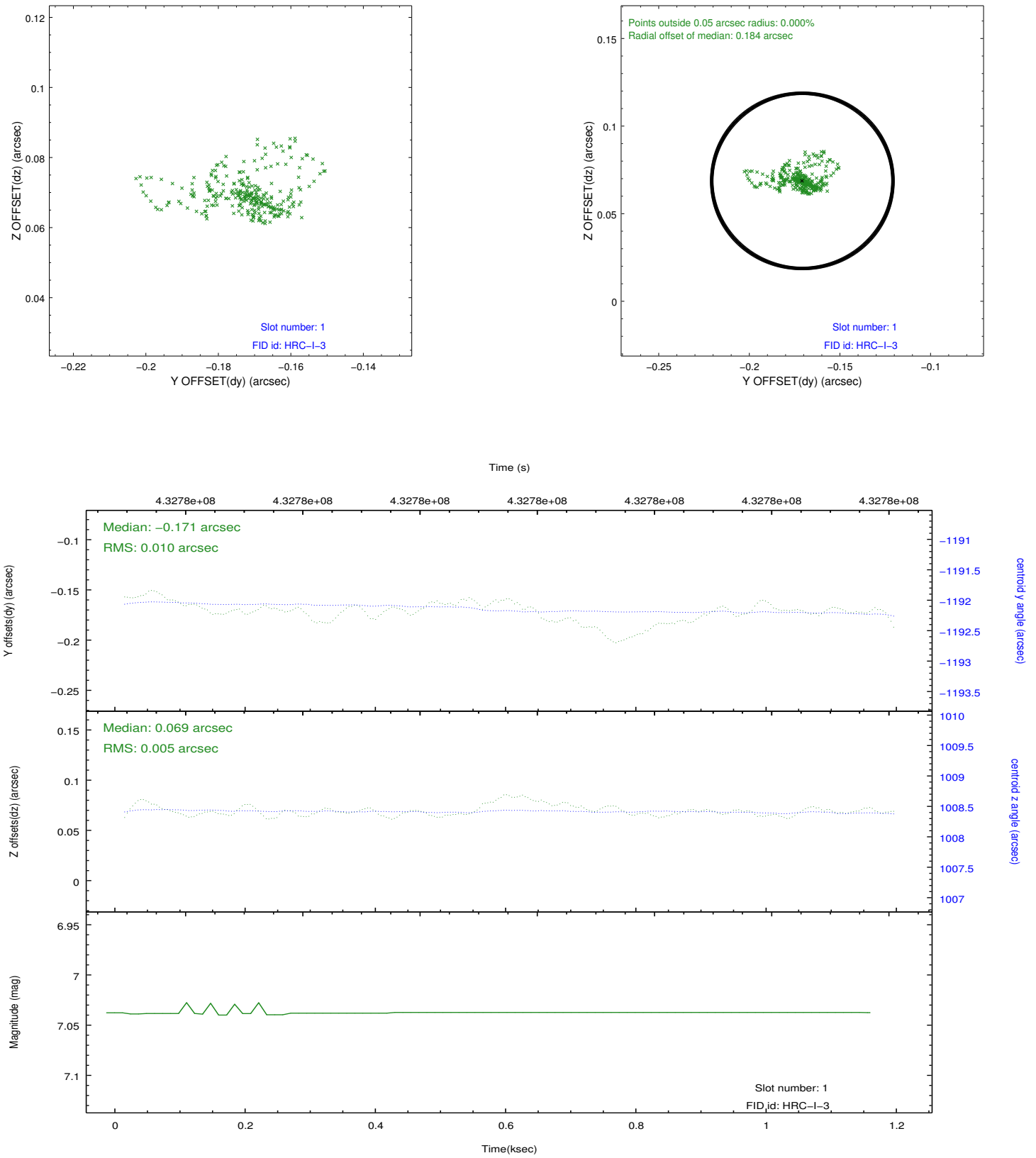


## 2.5 FID Slots

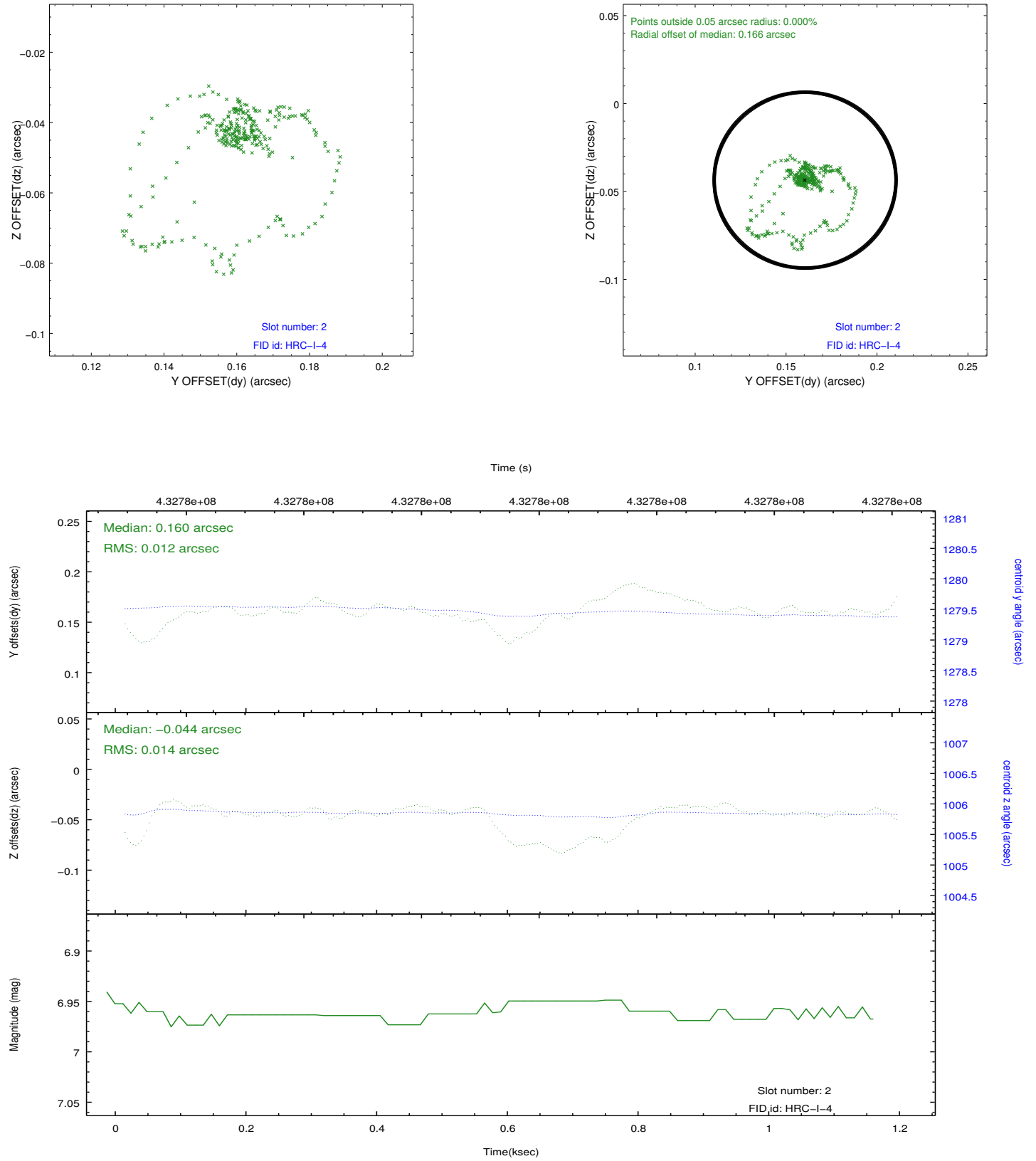
### 2.5.1 Slot 0



## 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	1.18003131181

### A.2 Comments