

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 16379 - L2 Version 1  
Chandra X-Ray Center

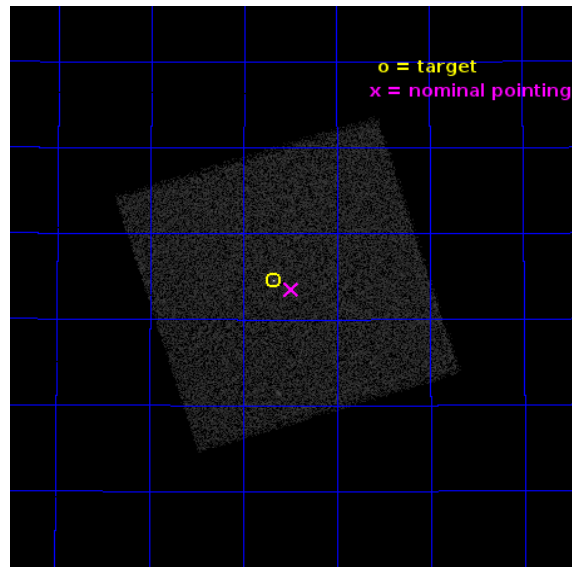
L2 Processing Date : Sep 16 2014

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# 1 Front

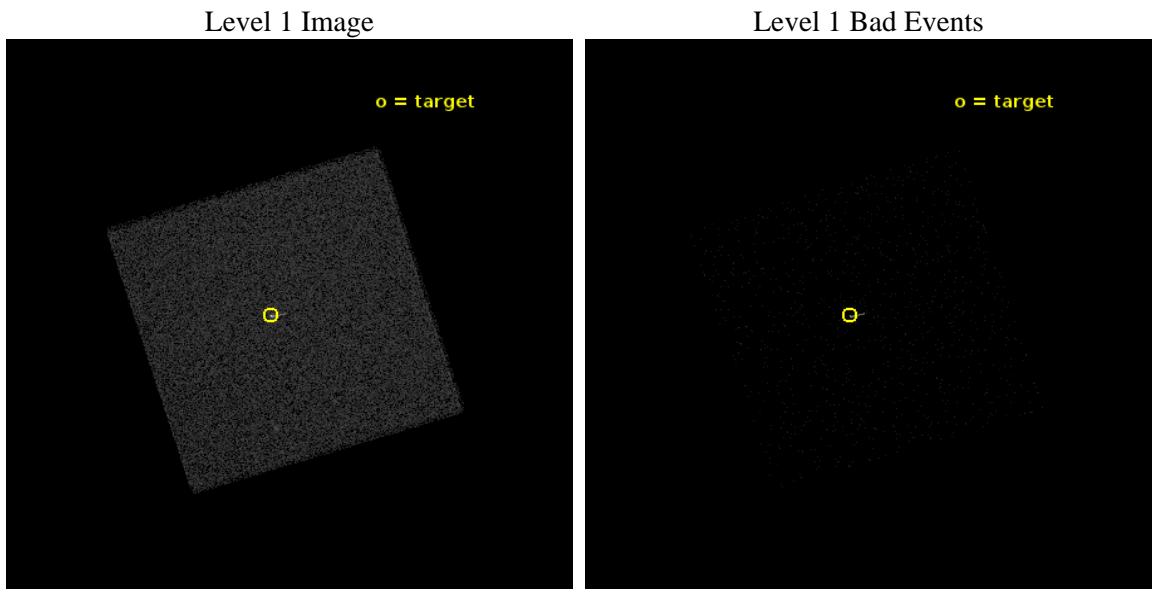
seq_num	291151	Sequence number
obs_id	16379	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12158306996	Nominal RA [deg]
dec_nom	45.725415190662	Nominal Dec [deg]
roll_nom	207.52420419424	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1177.9813153148	[s]
livetime	1168.6509179185	Ontime multiplied by DTCOR
l2events	75207	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	10.2.4	Processing system revision	ontime	1177.9813153148	[s]
caldbver	4.6.3	&#160	l1events	128213	Number of level 1 events
date	2014-09-16T19:59:16	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

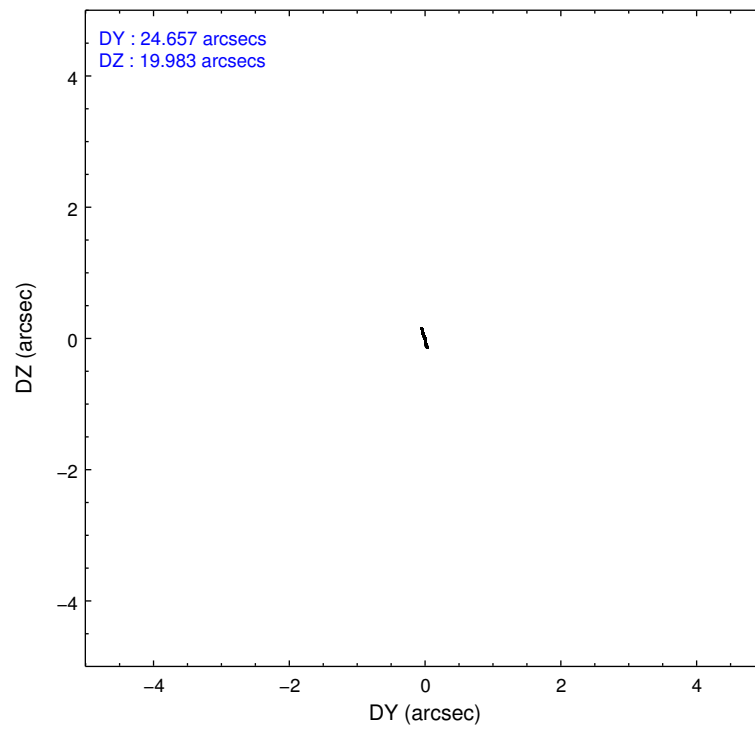
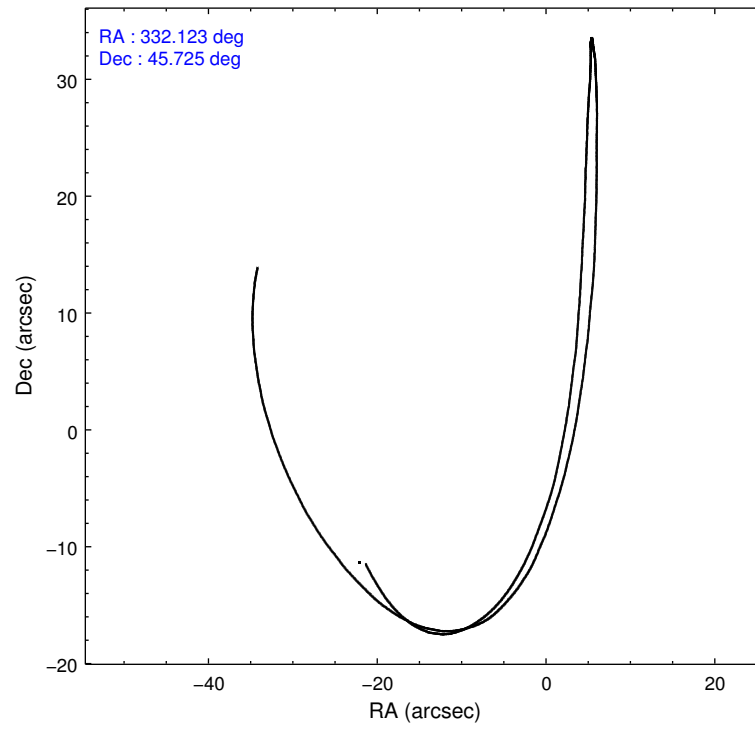
#### Level 1 Events

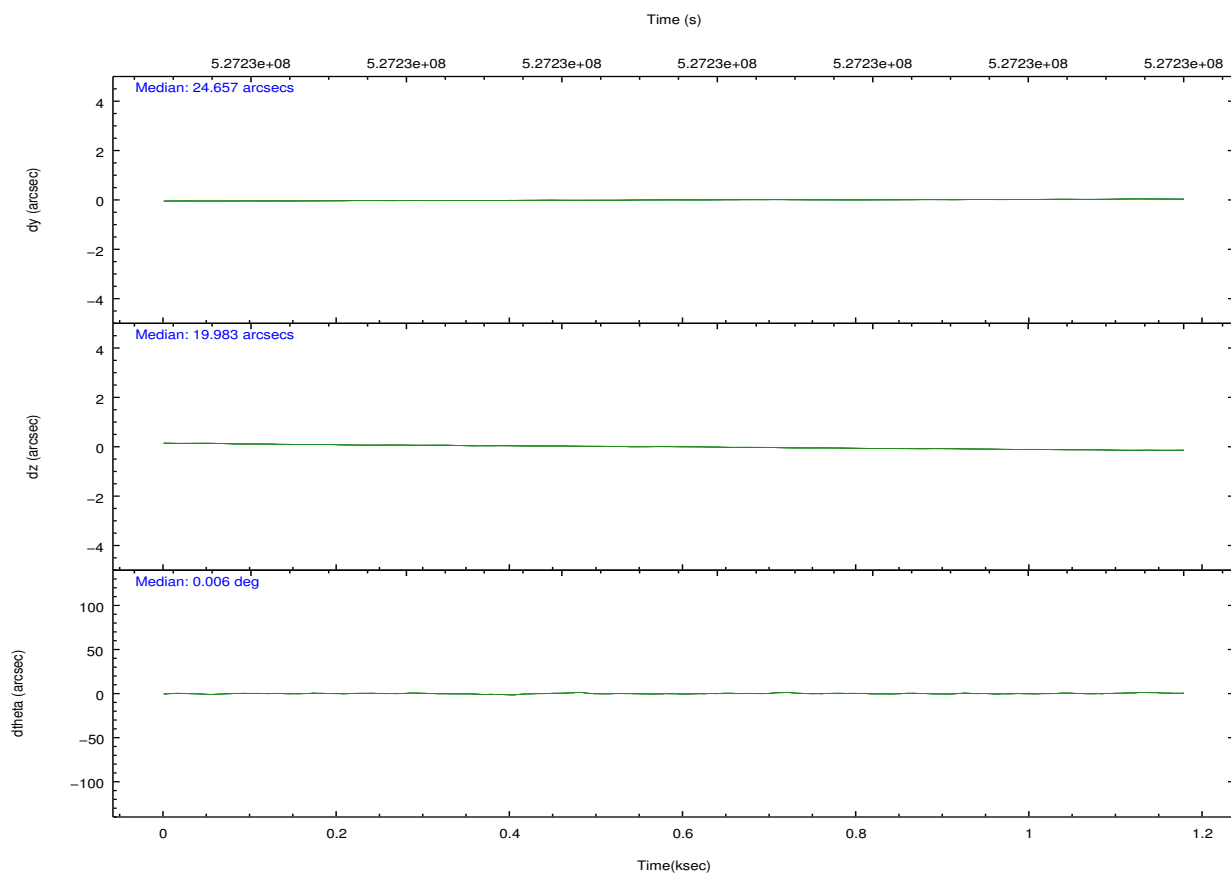
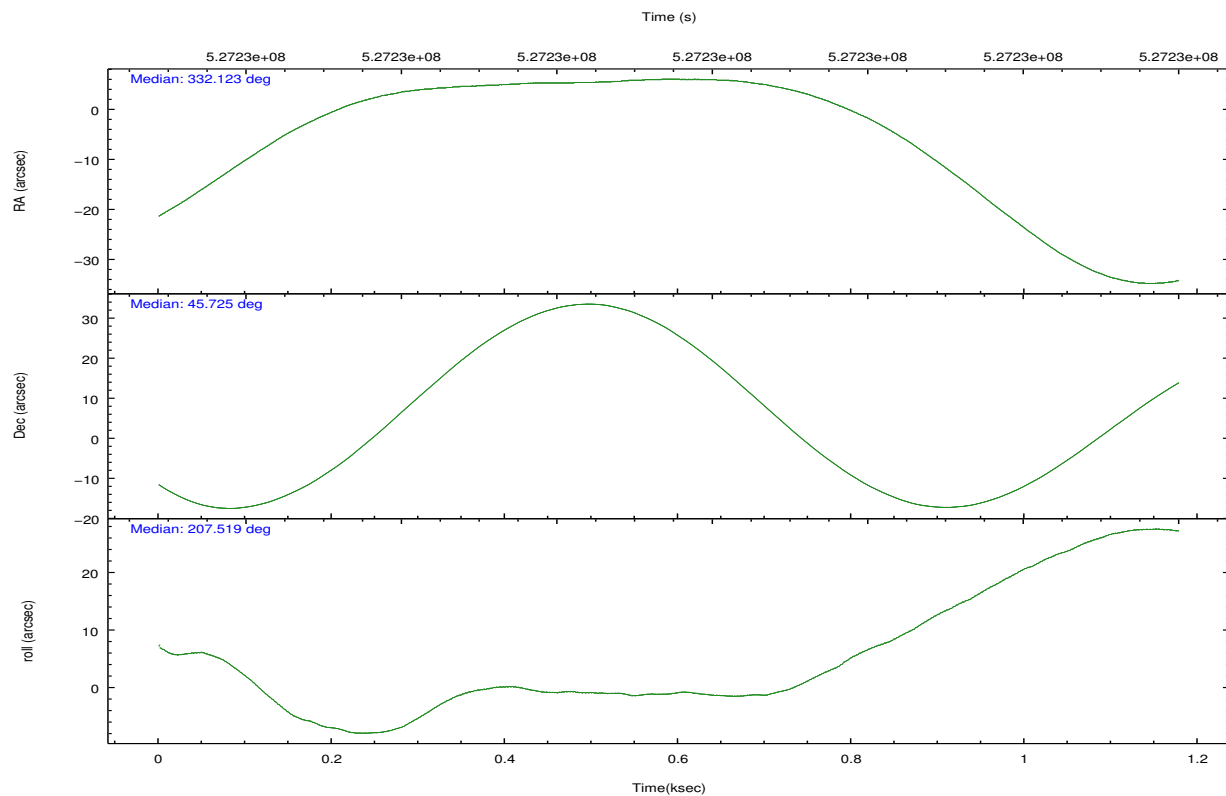
	<b>segment 0</b>
level 1 events	128213
rejected events	28229
rejected %	22%

## 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	332.141825	332.1215830699619			
[deg] Pointing Dec	45.749705	45.72541519066215			
[deg] Pointing Roll	207.605222	207.5242041942408			
[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)	527227731.184000	527227355.40089			
Observation start date	2014-09-16T04:07:44	2014-09-16T04:02:35			
[s] Observation end time (MET)	527228731.184000	527228865.73848			
Observation end date	2014-09-16T04:24:24	2014-09-16T04:27:45			

## 2.3 Aspect





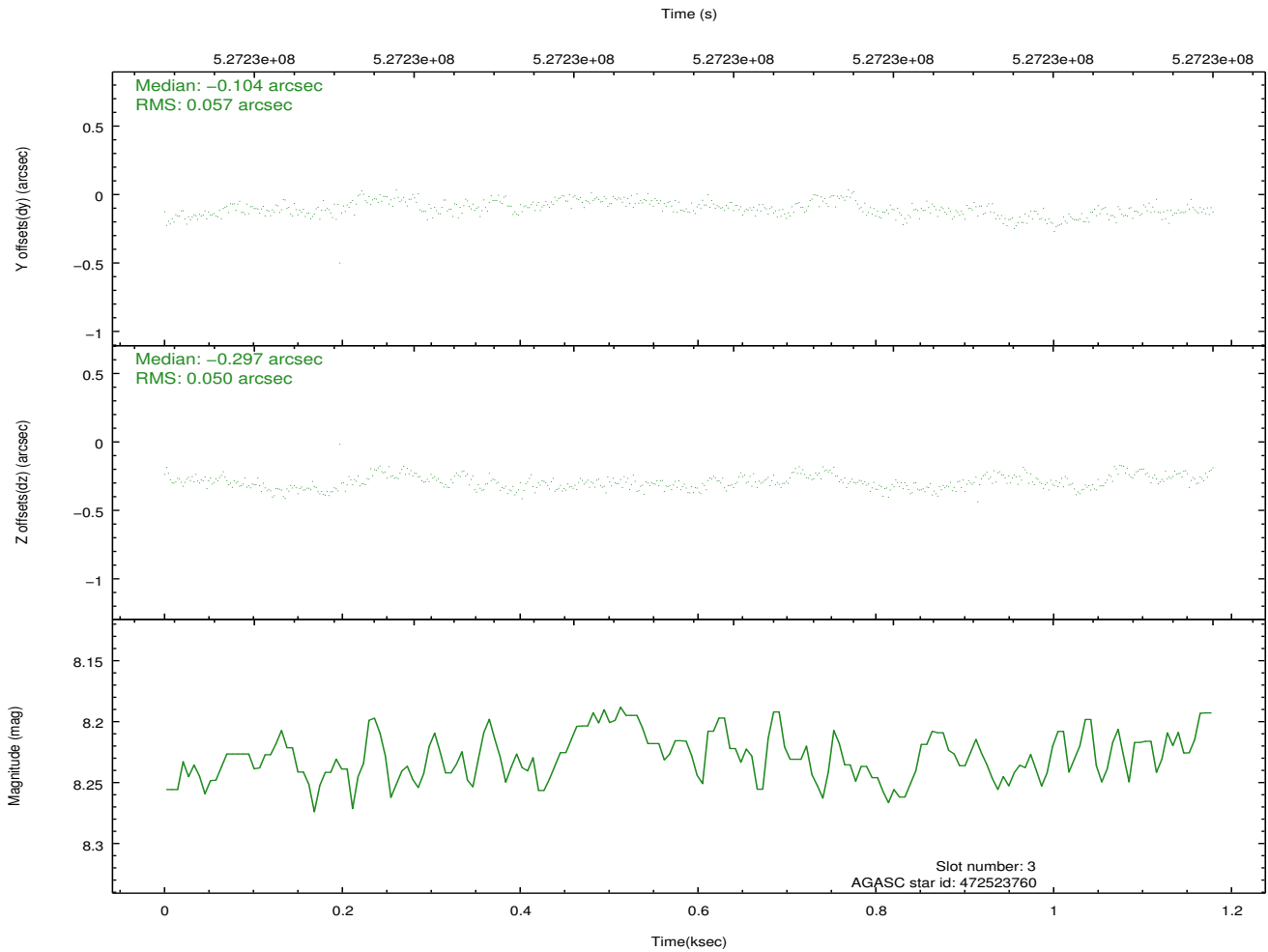
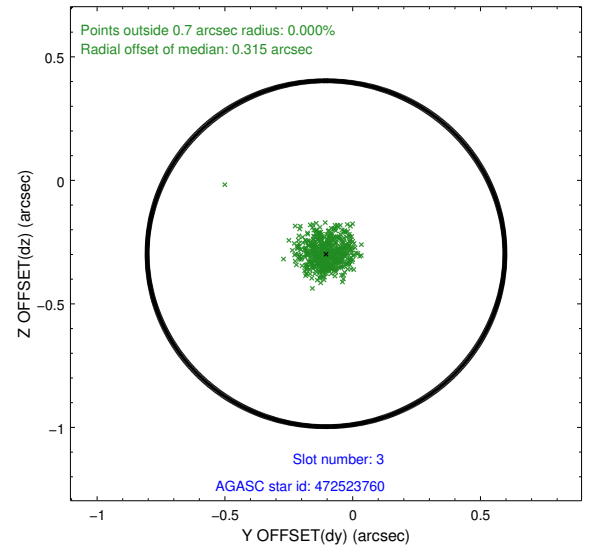
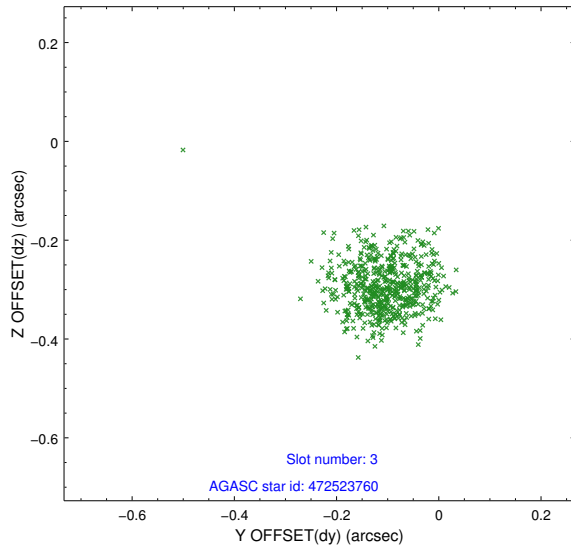
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	288	0.034	-0.051	0.005	0.010	0.000000	0.000000	832.00	-1309.80
1	FID	HRC-I-3	7.11	288	-0.209	-0.030	0.005	0.009	0.000000	0.000000	-1206.56	991.74
2	FID	HRC-I-4	7.03	288	0.294	-0.005	0.005	0.009	0.000000	0.000000	1258.15	997.44
3	GUIDE	472523760	8.23	576	-0.104	-0.297	0.080	0.123	331.645363	45.403260	1686.95	517.47
4	GUIDE	472525528	6.63	576	-0.664	-0.160	0.071	0.122	331.551102	45.248694	2160.97	897.90
5	GUIDE	472533912	9.16	576	0.273	0.258	0.133	0.224	331.791136	46.368695	-258.54	-2380.93
6	GUIDE	472655152	9.41	576	0.140	-0.127	0.165	0.249	332.504239	45.862991	-996.61	50.96
7	GUIDE	472665256	8.99	575	0.334	0.329	0.115	0.176	332.808125	46.195041	-2220.03	-659.91

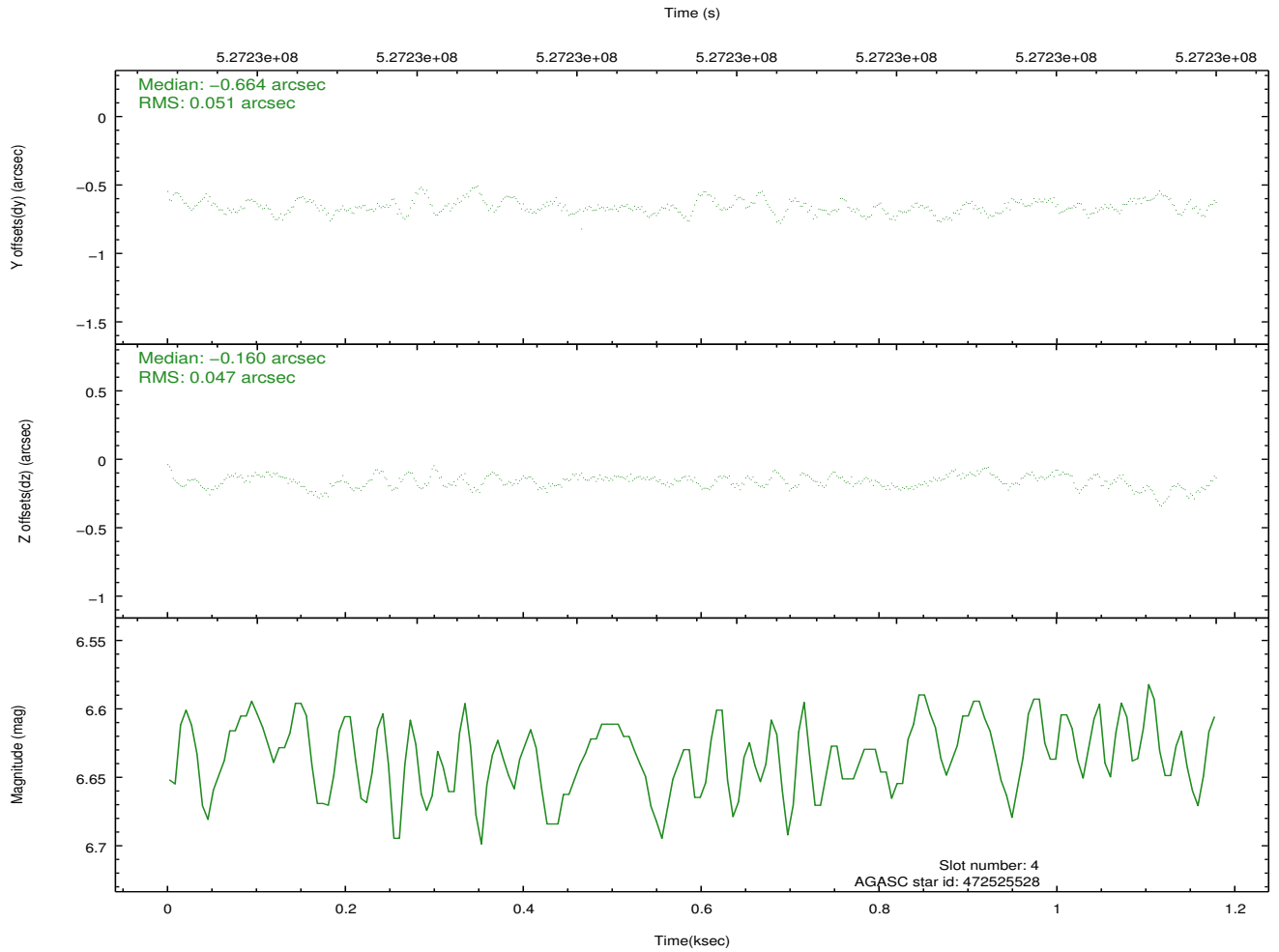
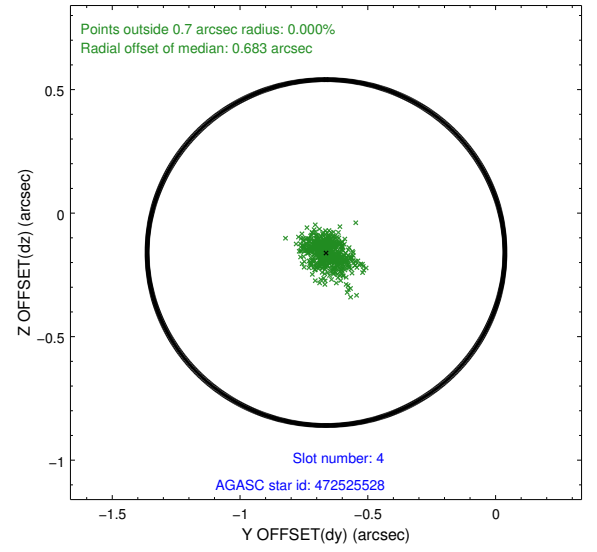
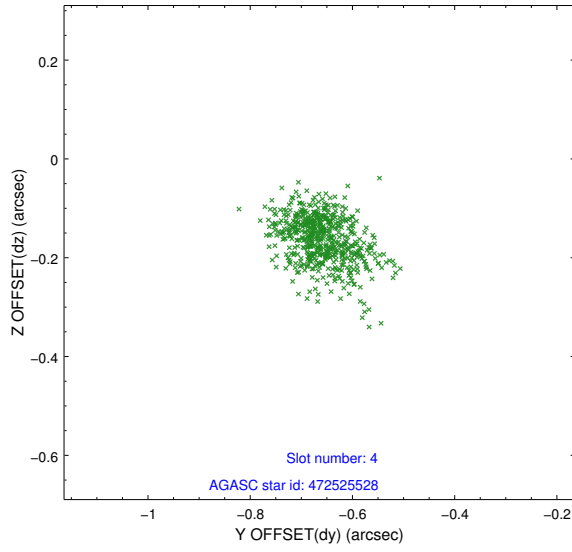


## 2.4 Star Slots

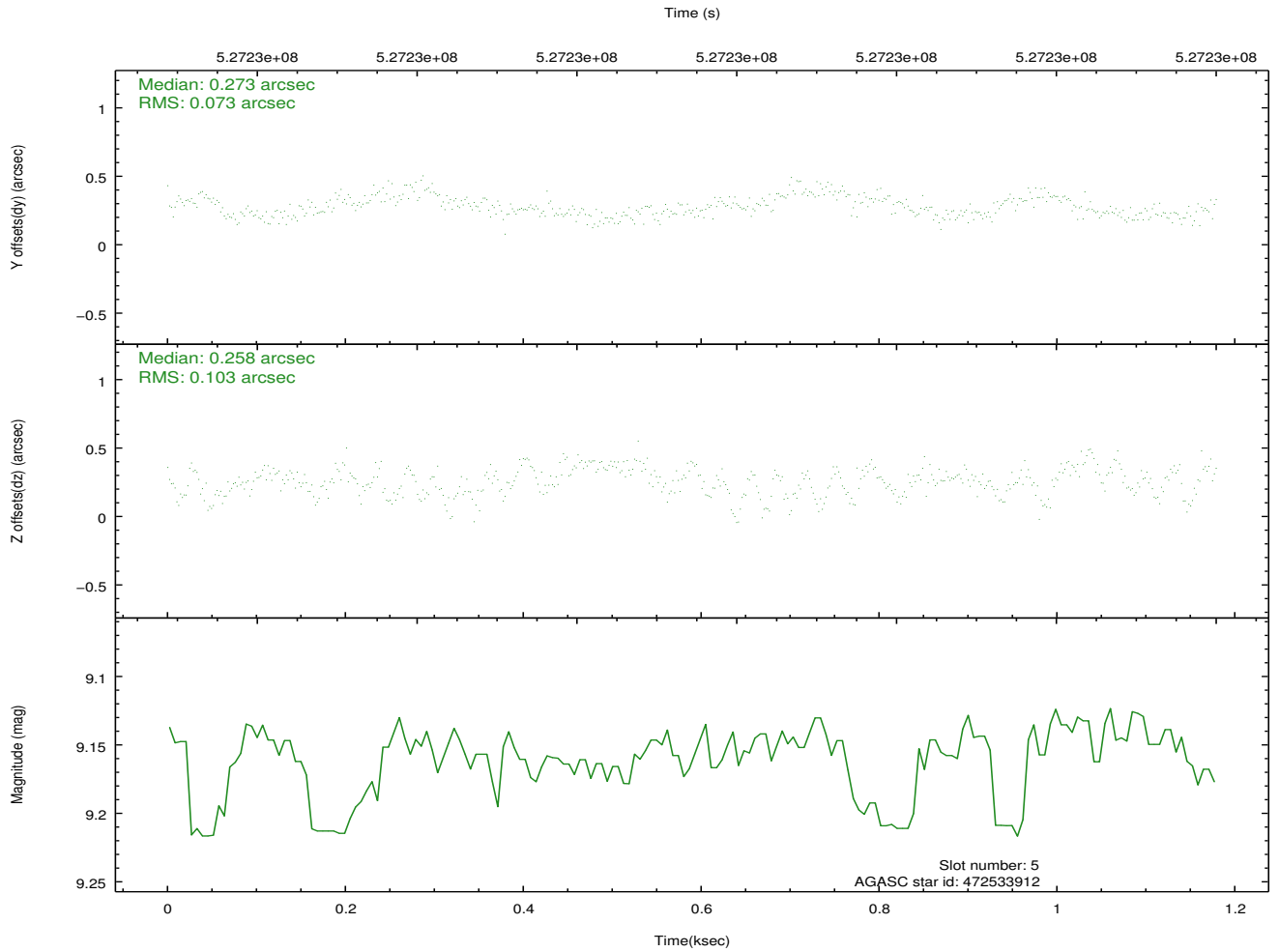
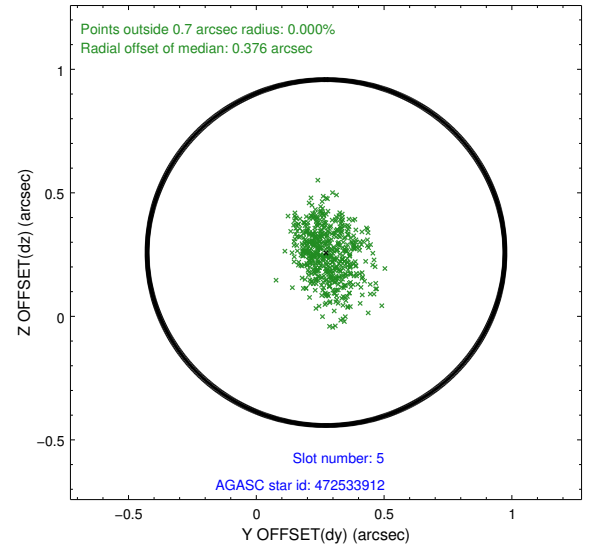
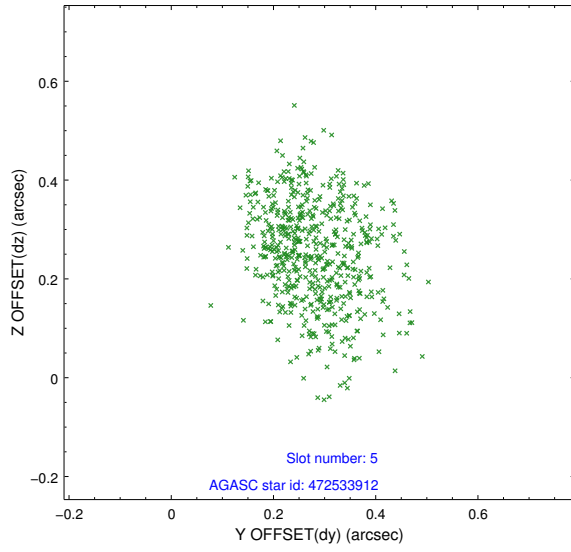
### 2.4.1 Slot 3



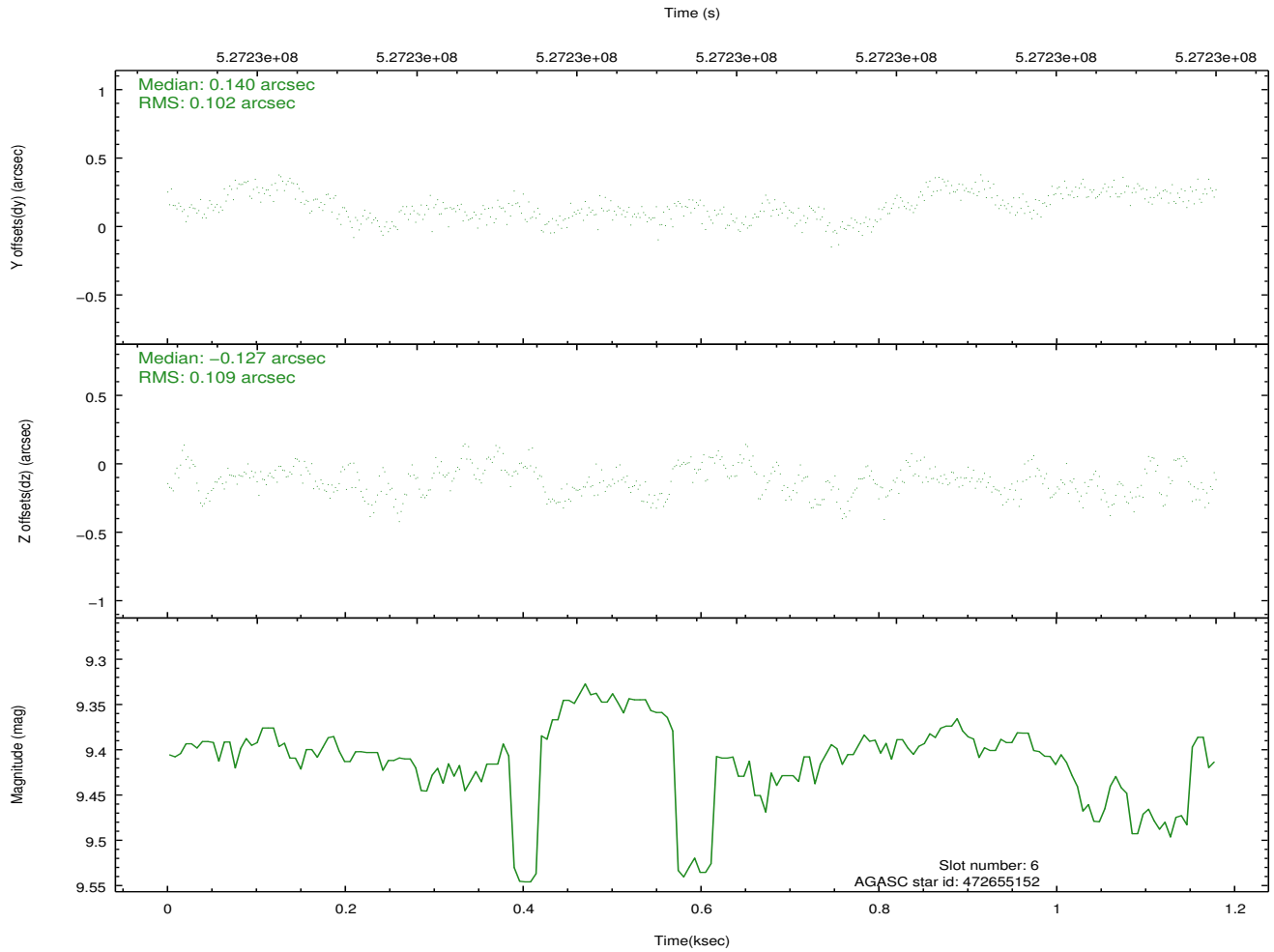
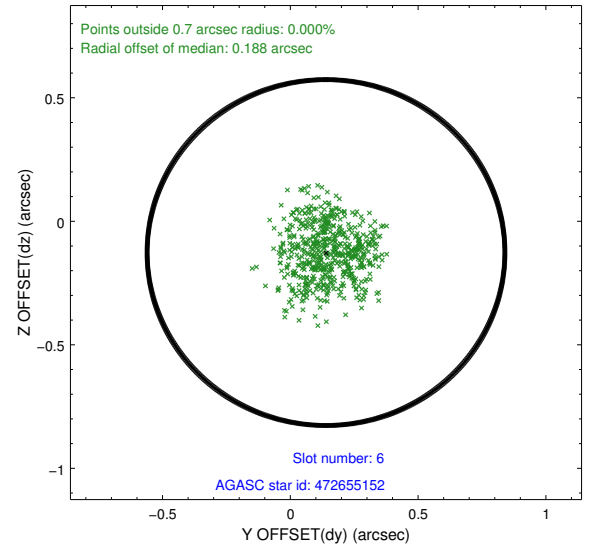
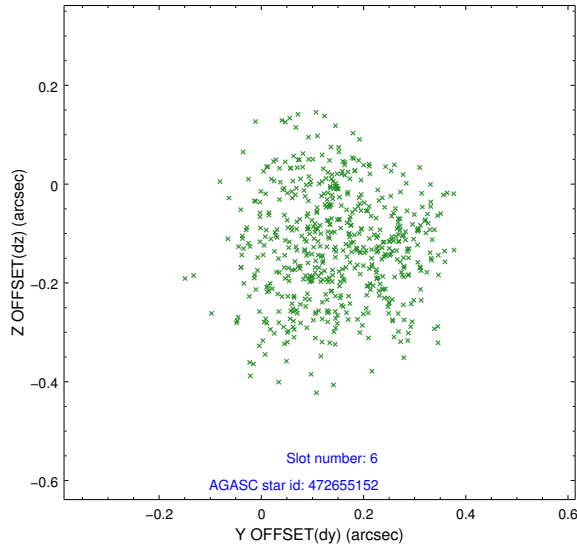
## 2.4.2 Slot 4



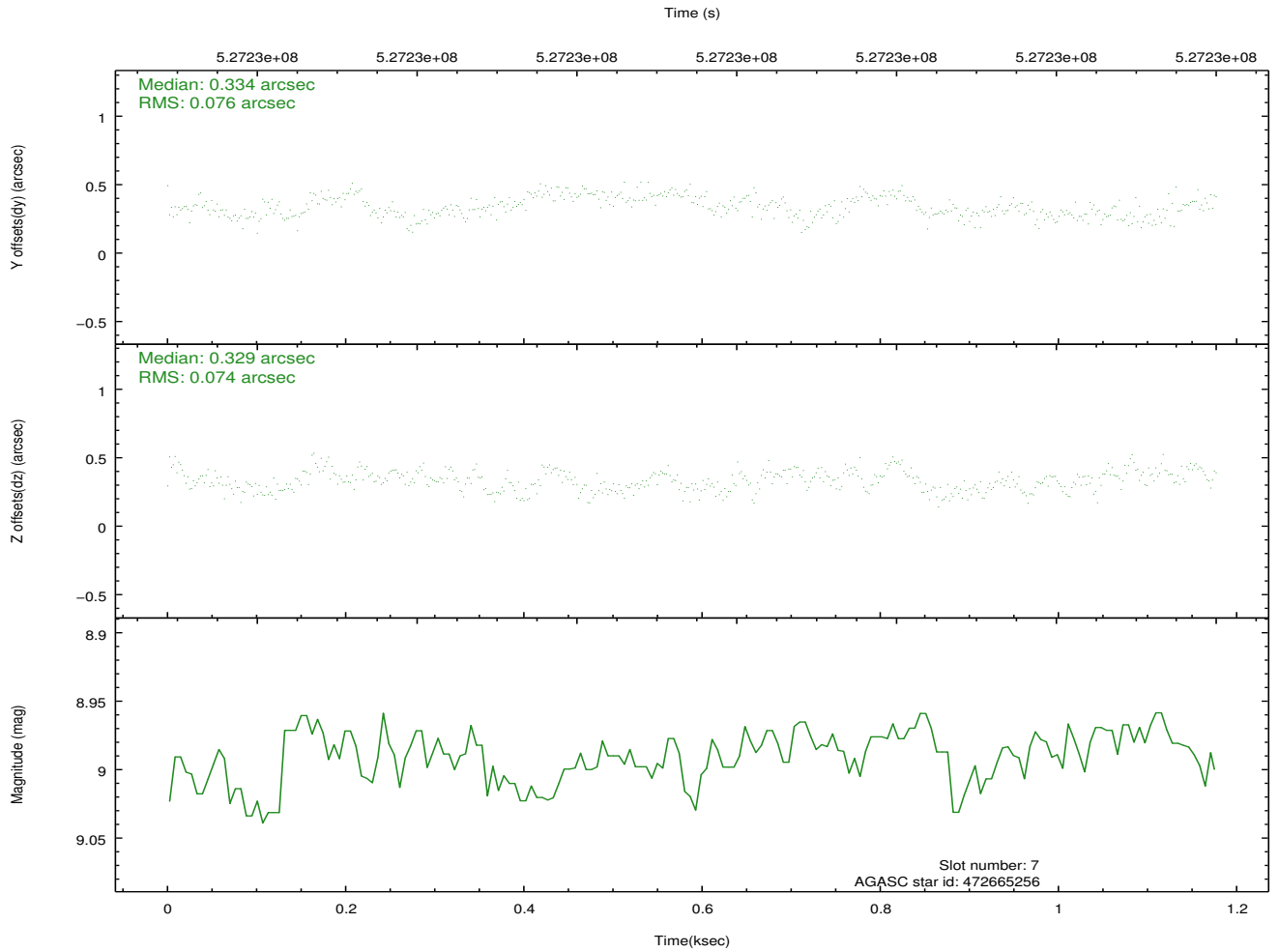
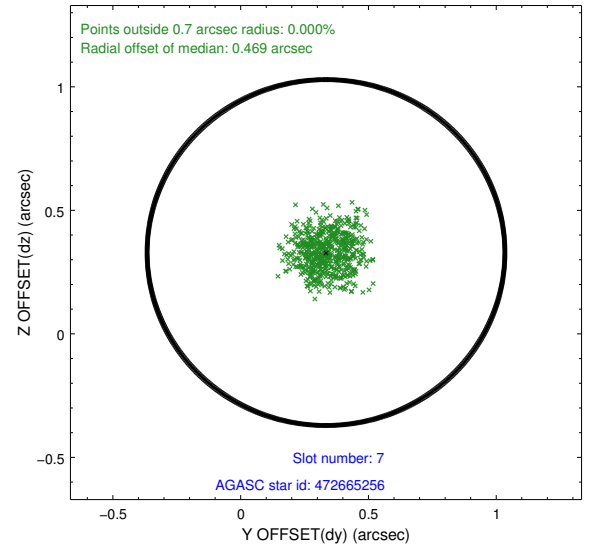
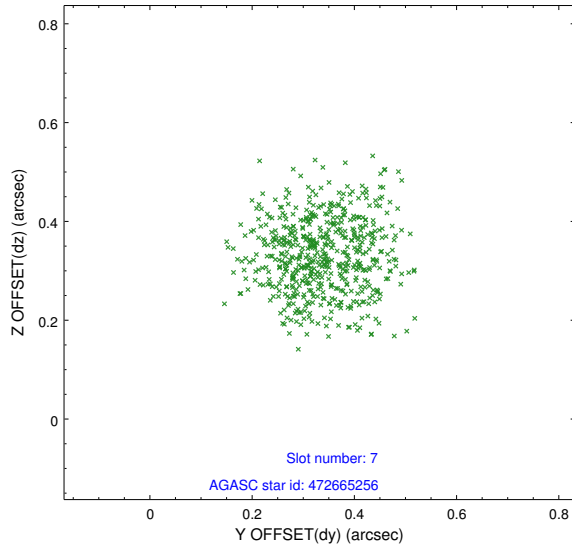
### 2.4.3 Slot 5



## 2.4.4 Slot 6

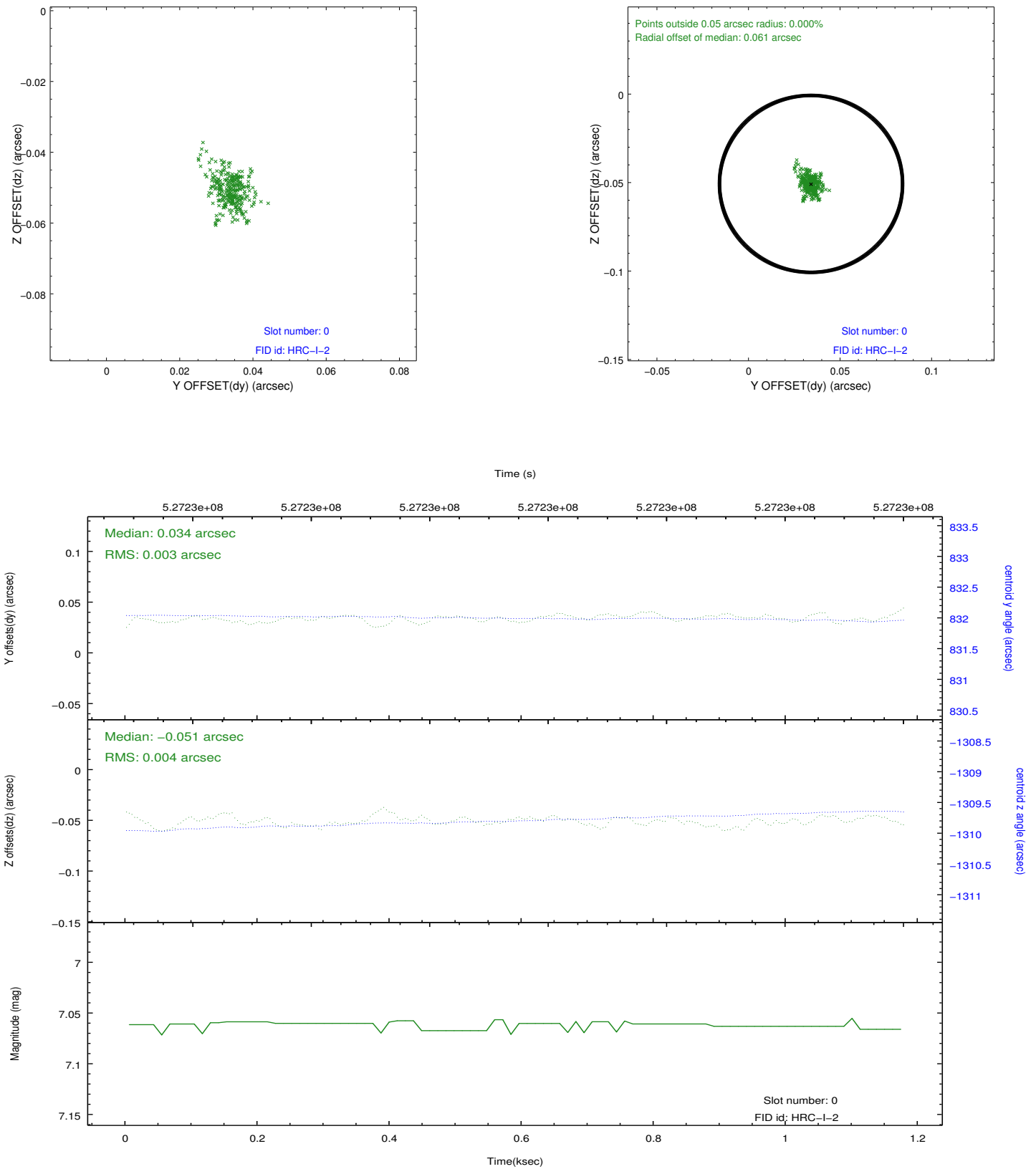


## 2.4.5 Slot 7

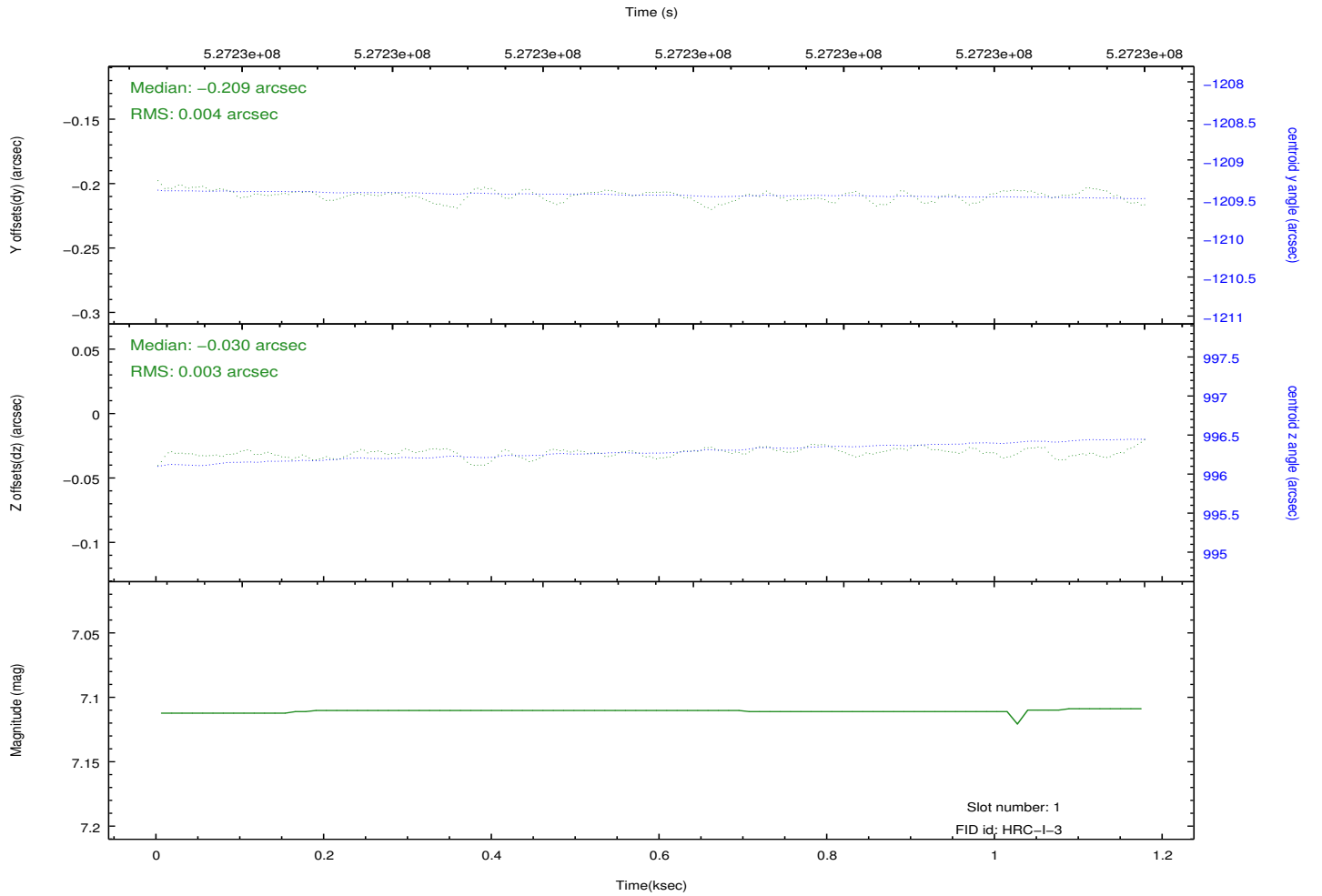
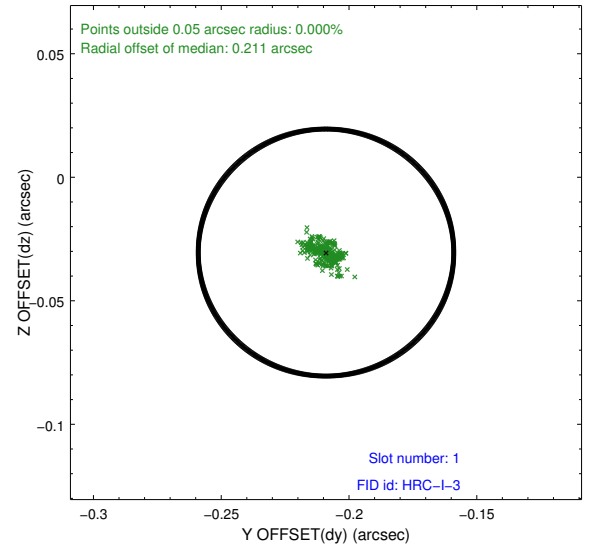
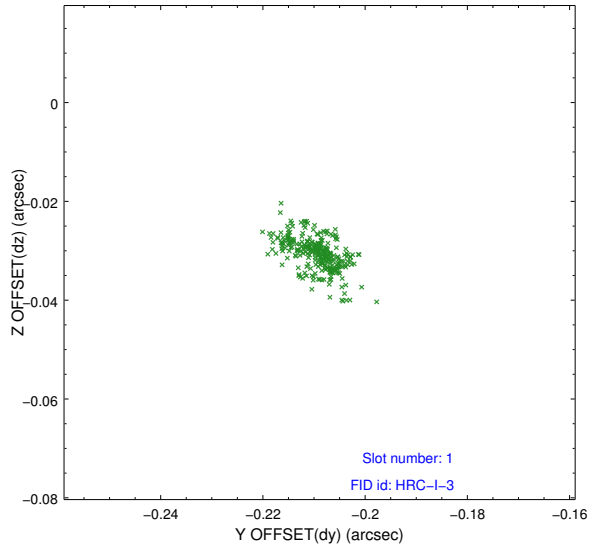


## 2.5 FID Slots

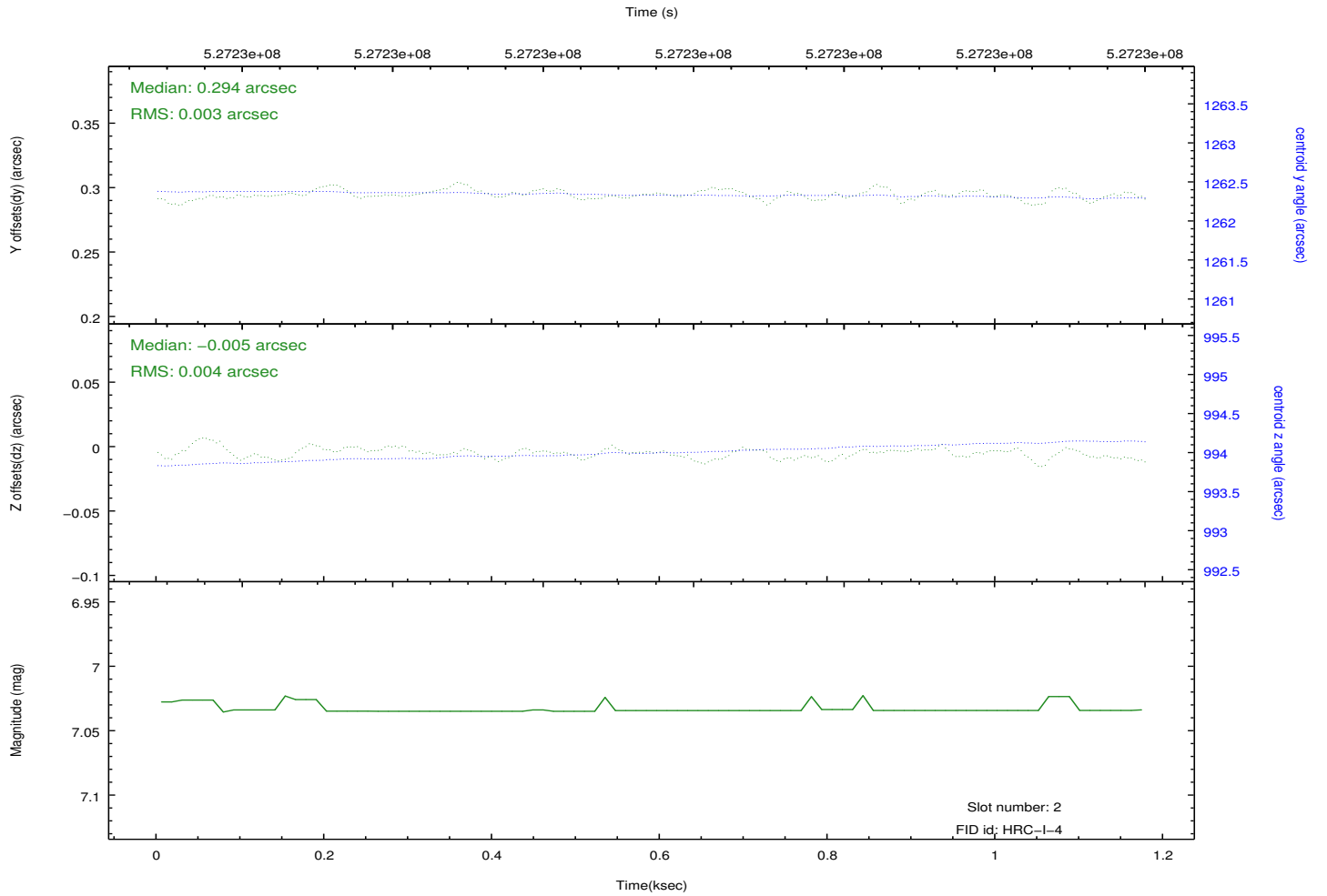
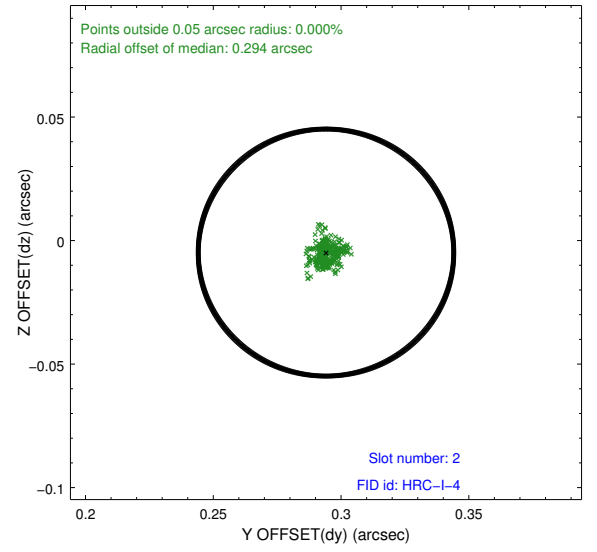
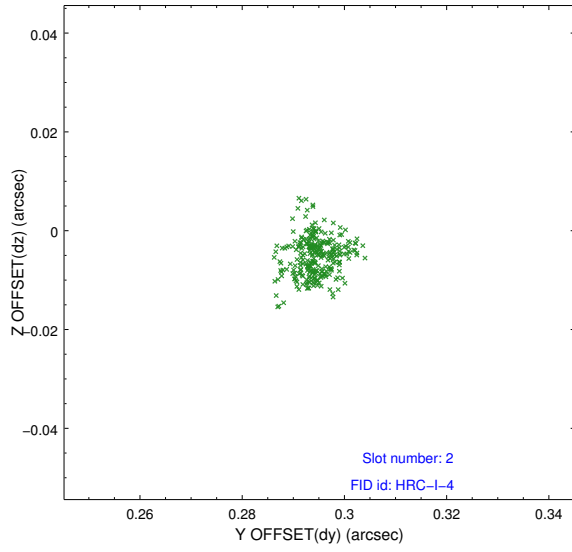
### 2.5.1 Slot 0



## 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)	2014.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1779813153148

### A.2 Comments