

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 16394 - L2 Version 1  
Chandra X-Ray Center

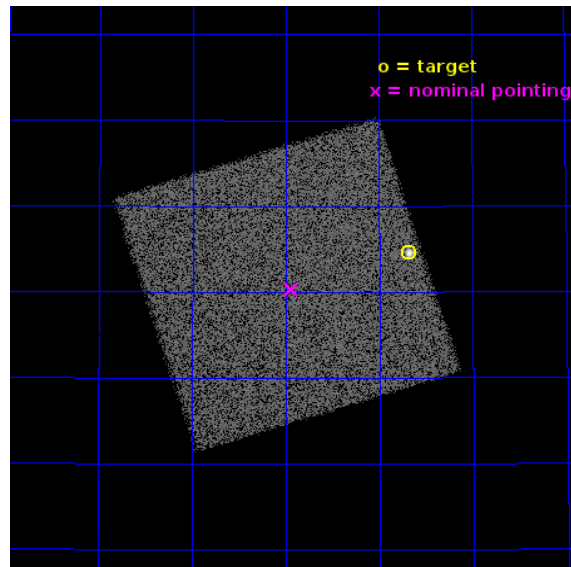
L2 Processing Date : Sep 16 2014

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# 1 Front

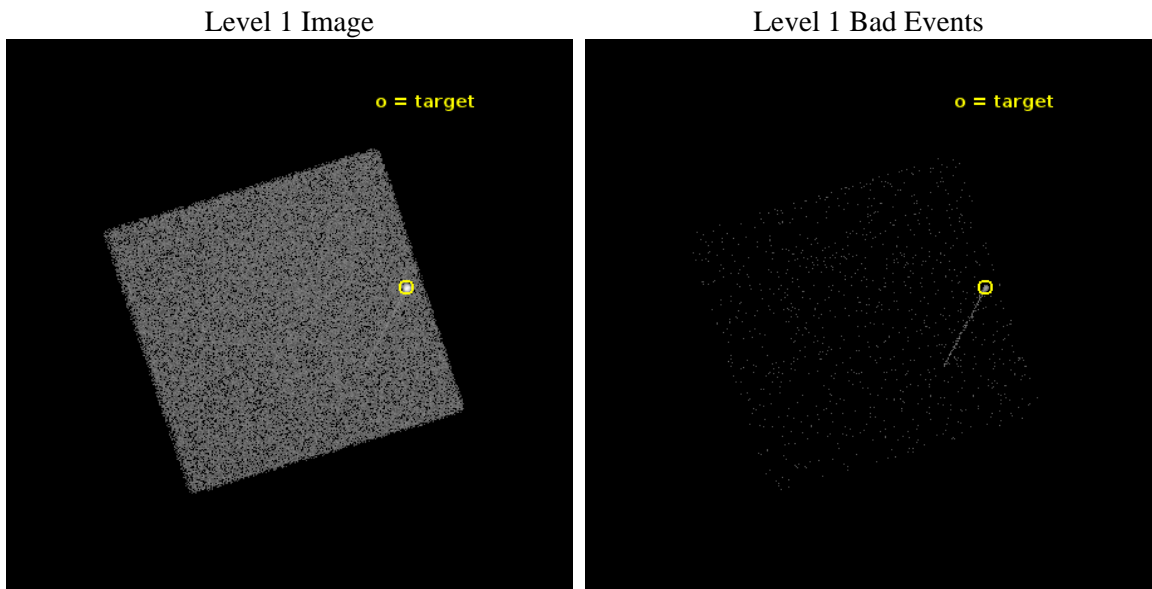
seq_num	291166	Sequence number
obs_id	16394	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.48496727642	Nominal RA [deg]
dec_nom	45.672076268198	Nominal Dec [deg]
roll_nom	207.43352753597	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813156962	[s]
livetime	1172.8625160029	Ontime multiplied by DTCOR
l2events	73534	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	1182.0813156962	[s]
caldbver	4.6.3	&#160	l1events	125253	Number of level 1 events
date	2014-09-16T20:24:20	Date and time of file creation			
revision	1	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

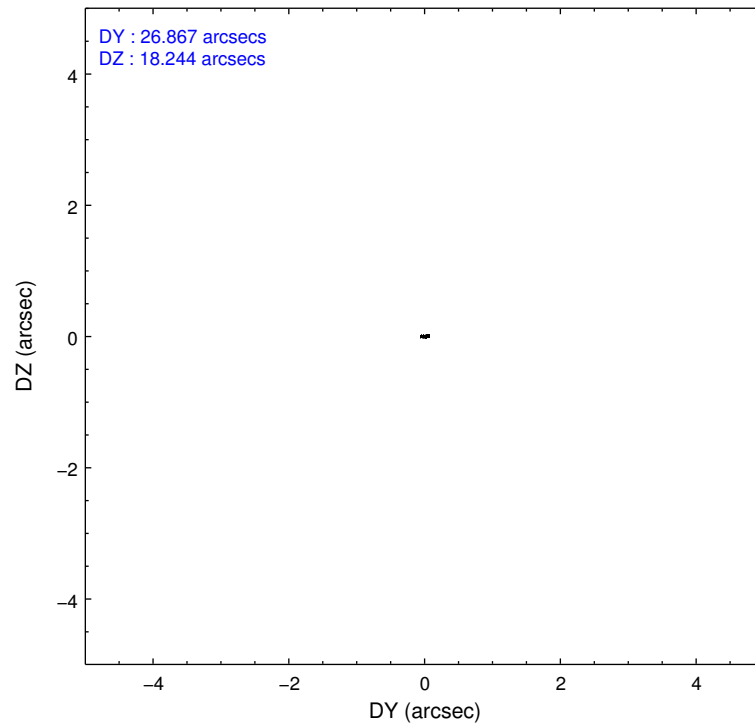
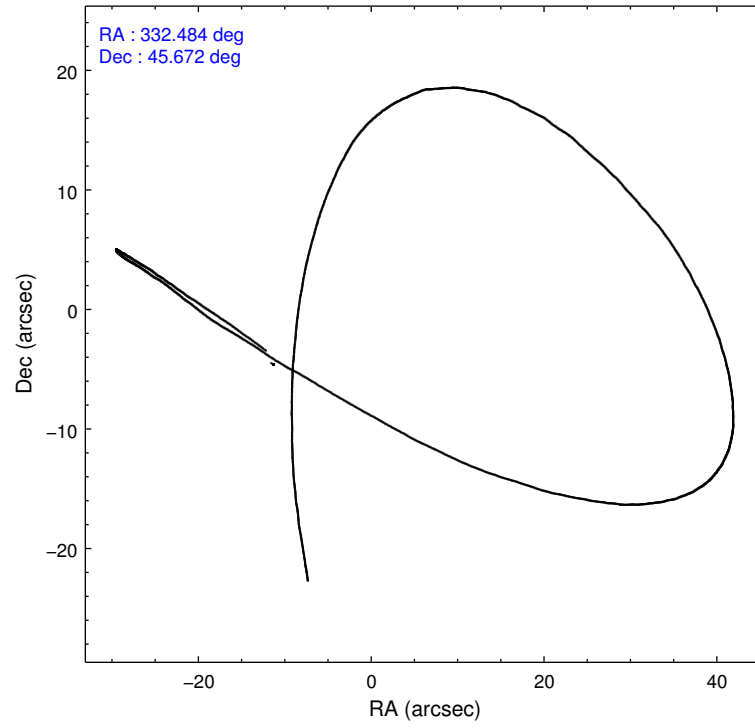
	<b>segment 0</b>
level 1 events	125253
rejected events	27413
rejected %	21%

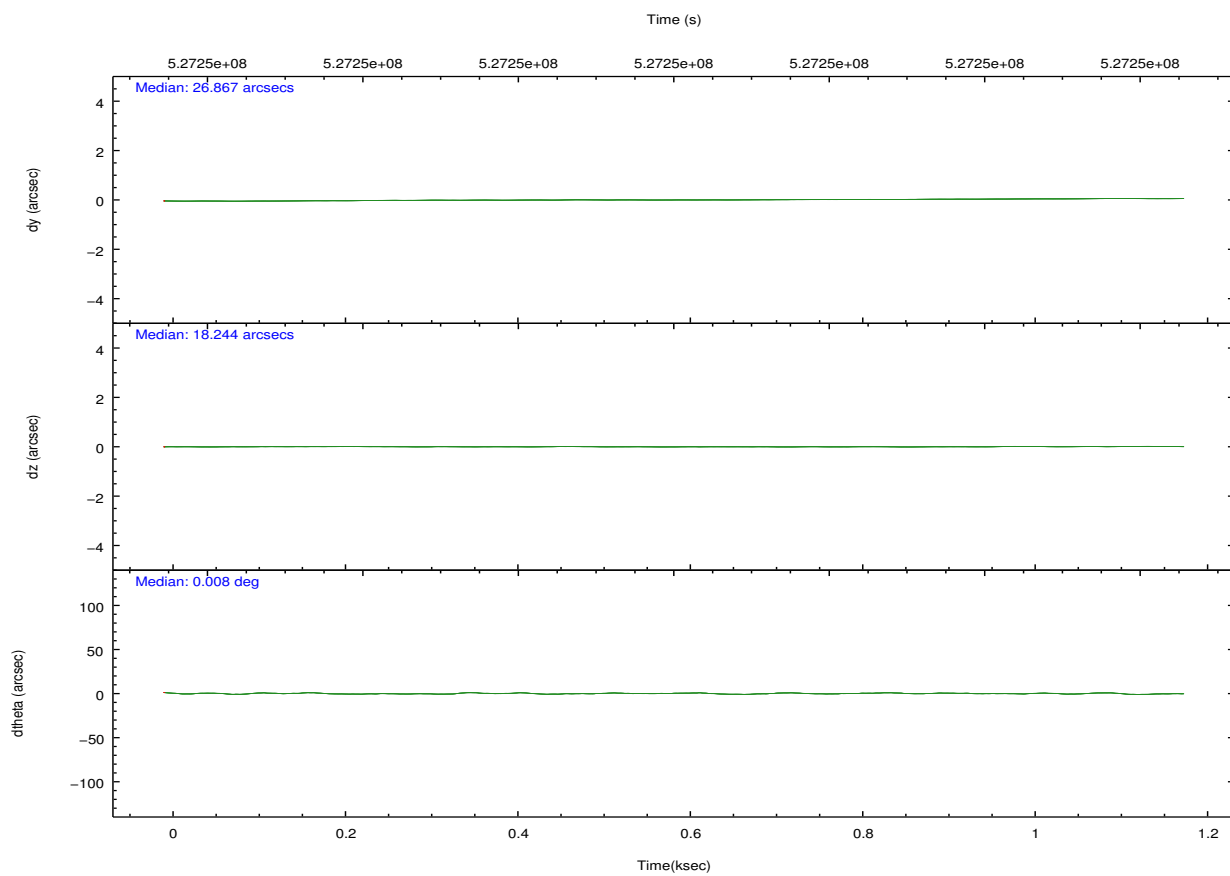
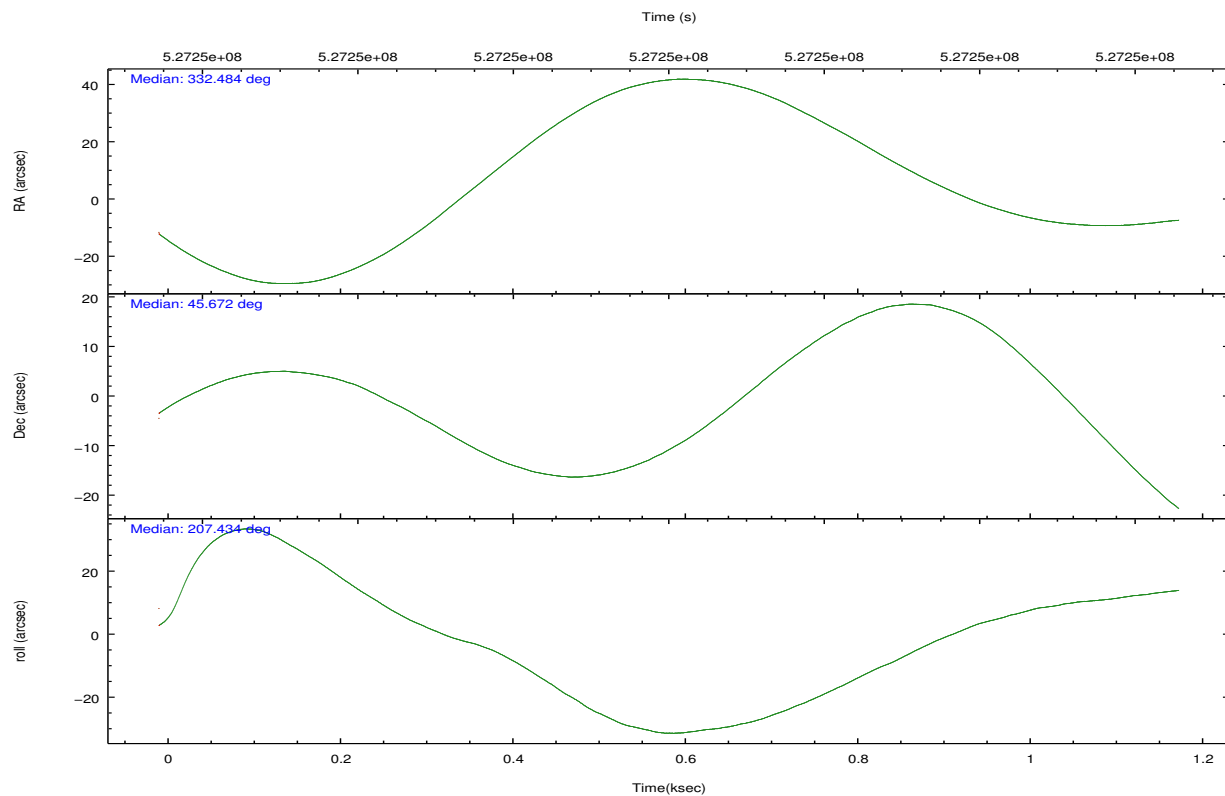
## 2.2 Compared Parameters

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	332.506331	332.4849672764186
[deg] Pointing Dec	45.694809	45.67207626819796
[deg] Pointing Roll	207.513896	207.4335275359682
[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)	527250381.184000	527250005.33965
Observation start date	2014-09-16T10:25:14	2014-09-16T10:20:05
[s] Observation end time (MET)	527251381.184000	527251515.16474
Observation end date	2014-09-16T10:41:54	2014-09-16T10:45:15

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

## 2.3 Aspect





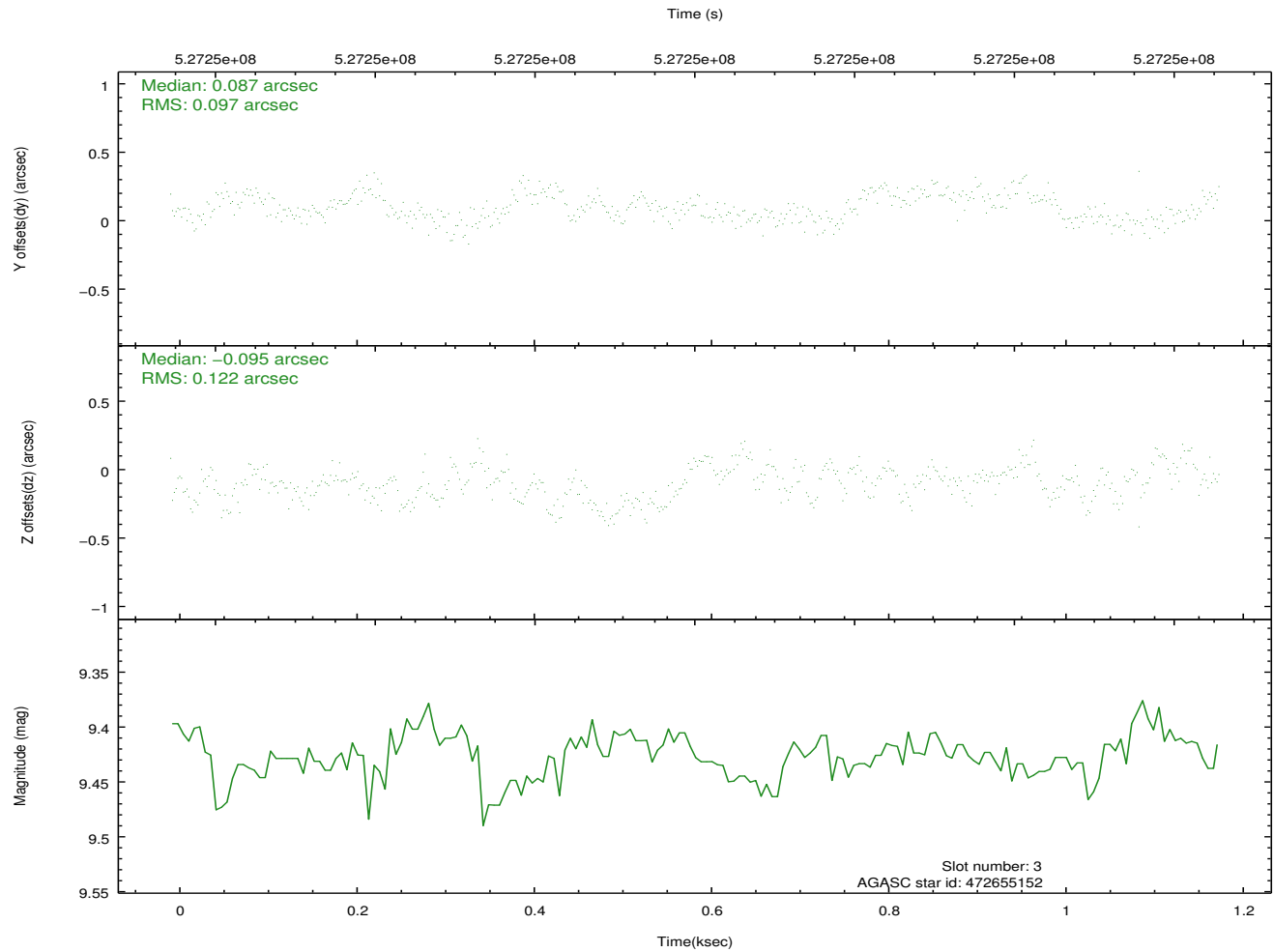
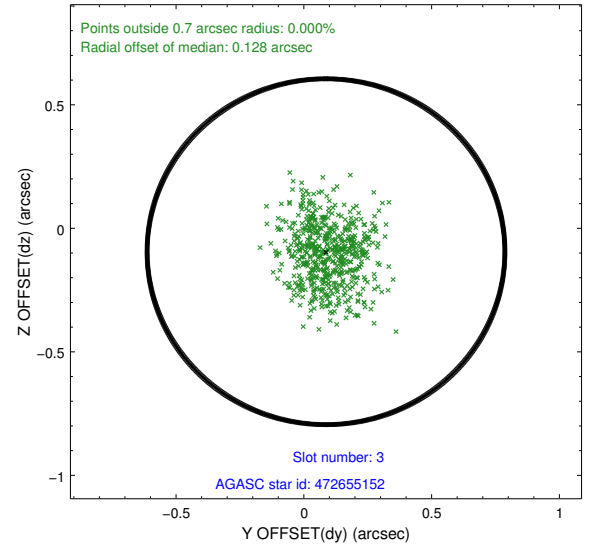
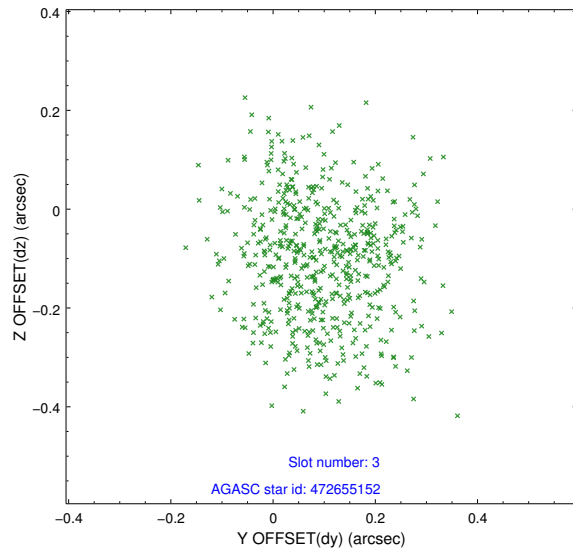
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.06	289	0.058	-0.059	0.006	0.011	0.000000	0.000000	829.70	-1308.05
1	FID	HRC-I-3	7.12	289	-0.276	-0.007	0.005	0.007	0.000000	0.000000	-1208.90	993.59
2	FID	HRC-I-4	7.04	289	0.337	-0.021	0.006	0.010	0.000000	0.000000	1255.94	999.16
3	GUIDE	472655152	9.43	578	0.087	-0.095	0.168	0.267	332.504239	45.862991	-275.82	-535.78
4	GUIDE	472663080	9.39	578	0.253	0.382	0.151	0.243	332.652741	46.473840	-1618.82	-2316.97
5	GUIDE	472665256	8.98	578	0.209	0.071	0.125	0.211	332.808125	46.195041	-1503.02	-1251.41
6	GUIDE	472523760	8.26	578	-0.289	-0.052	0.082	0.135	331.645363	45.403260	2405.94	-83.47
7	GUIDE	472654568	9.40	577	-0.272	-0.308	0.150	0.266	332.194449	45.063576	1755.56	1650.86

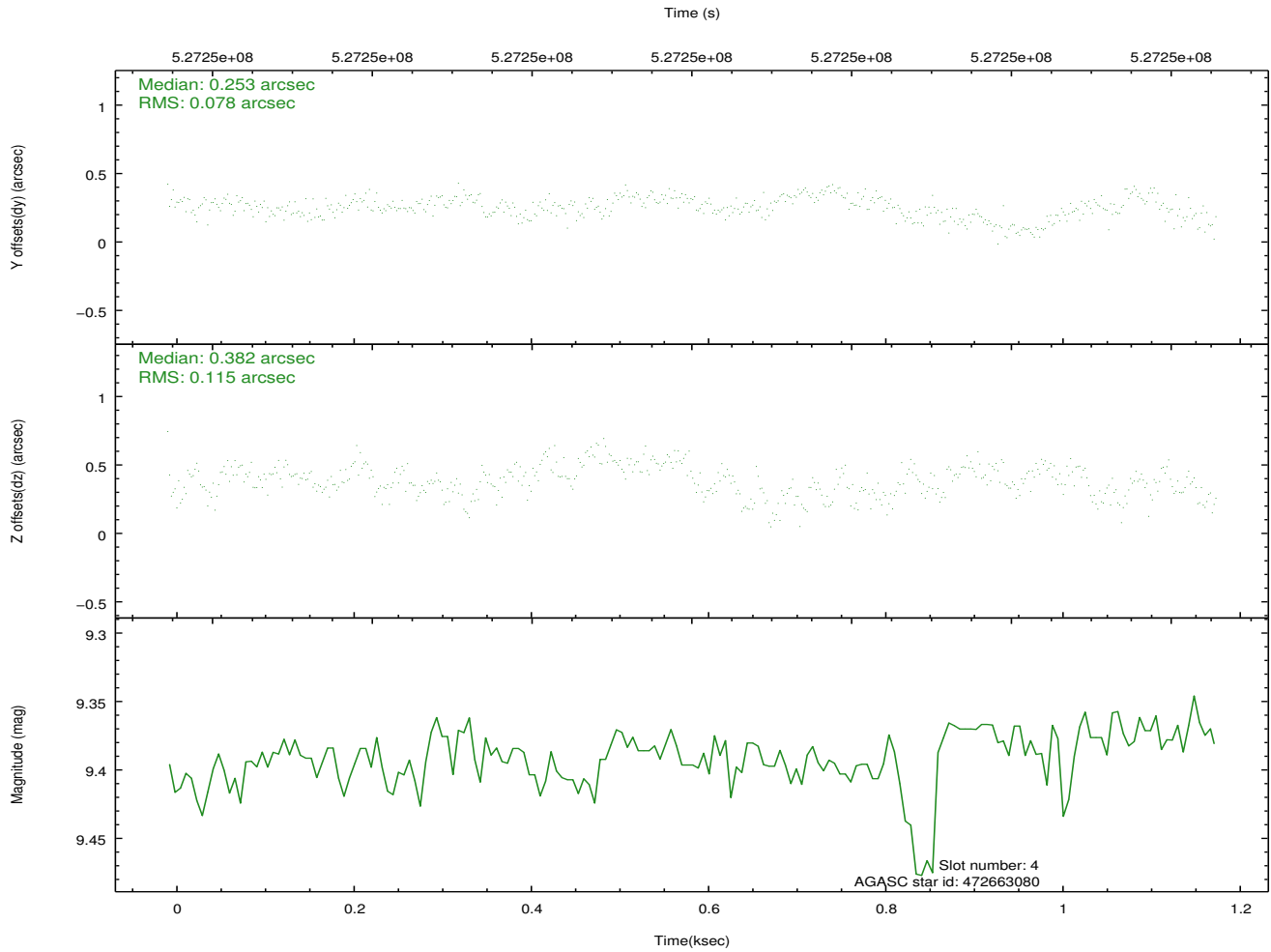
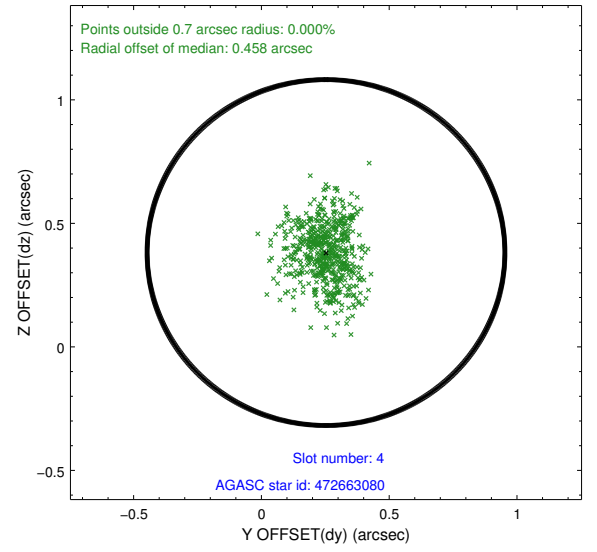
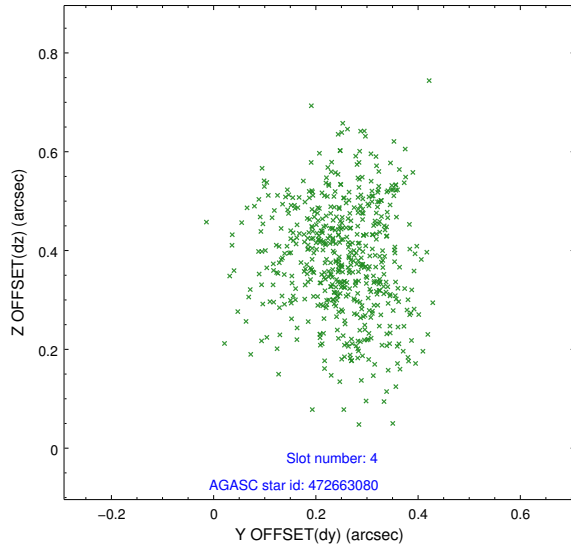


## 2.4 Star Slots

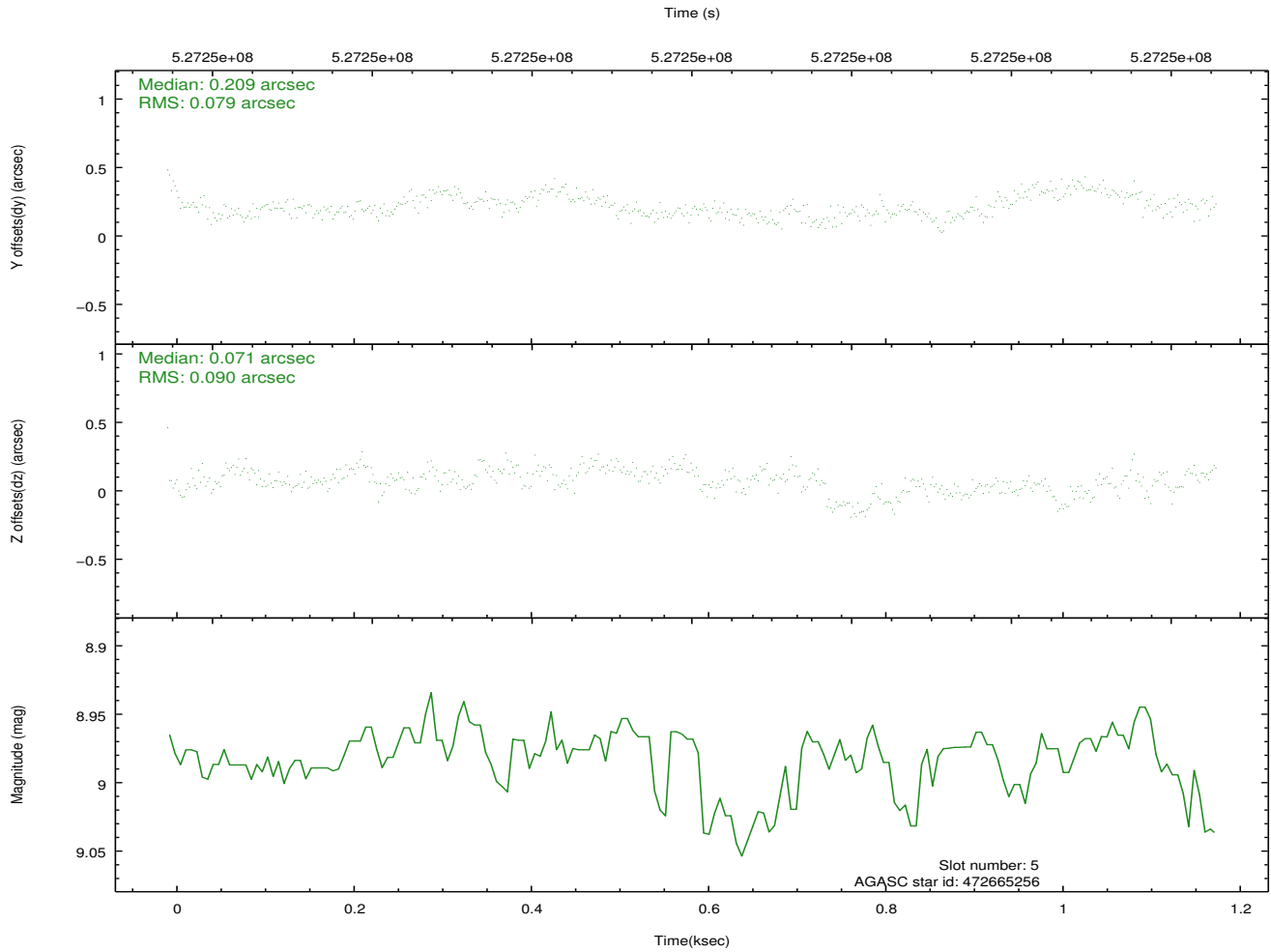
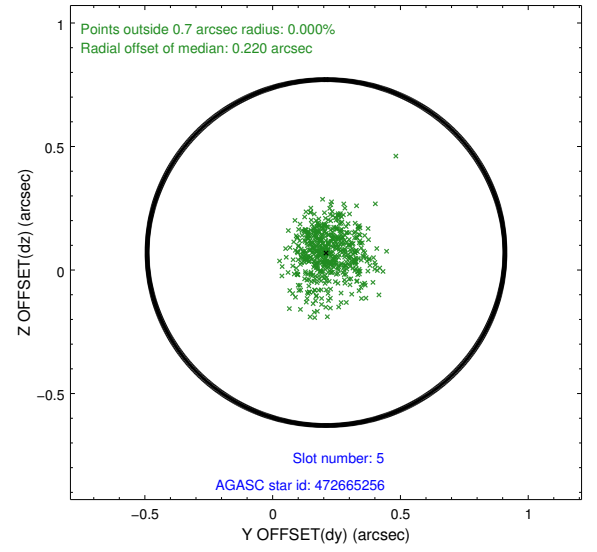
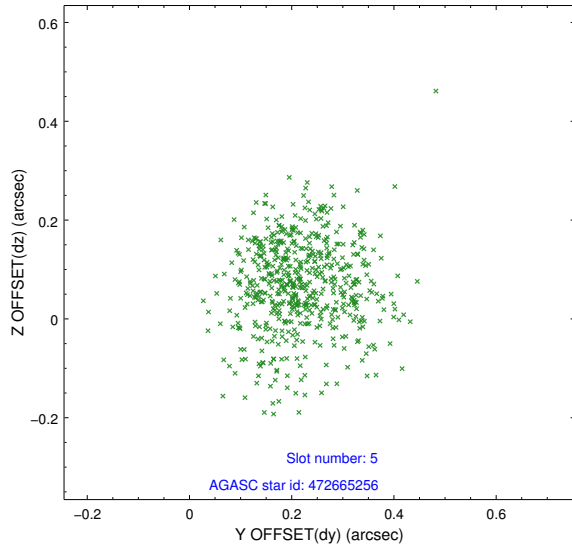
### 2.4.1 Slot 3



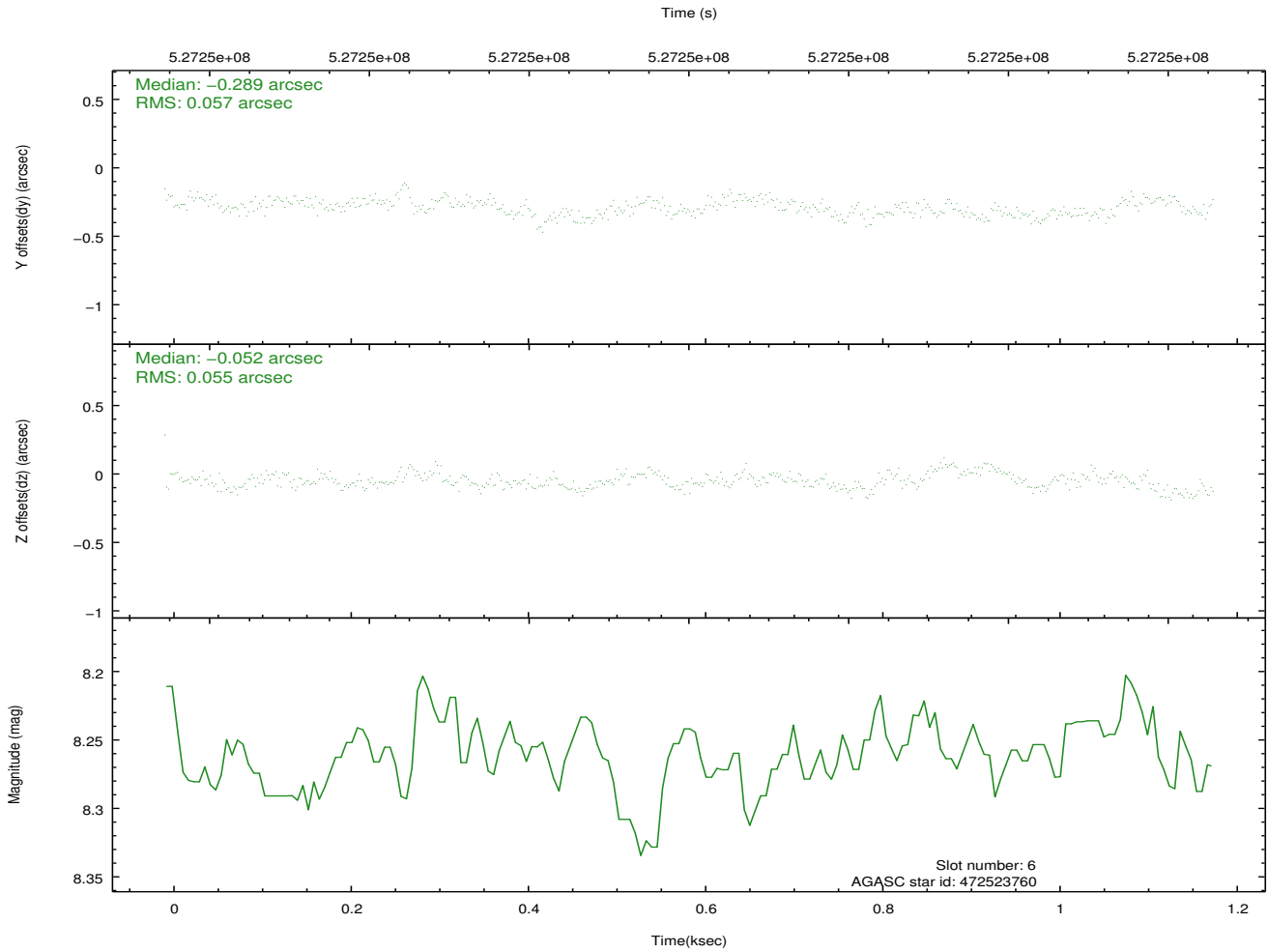
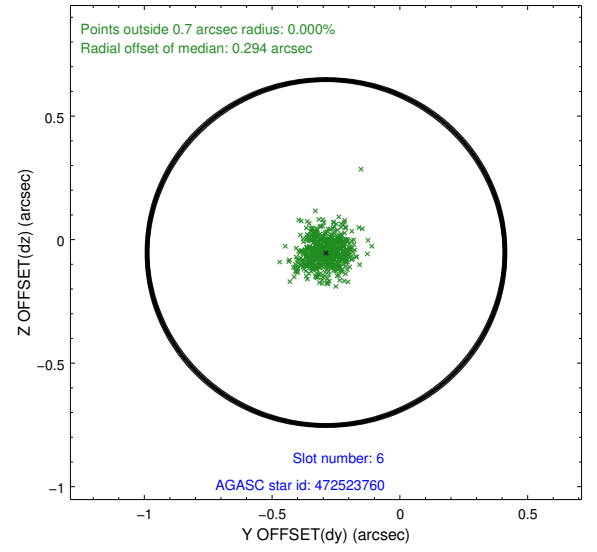
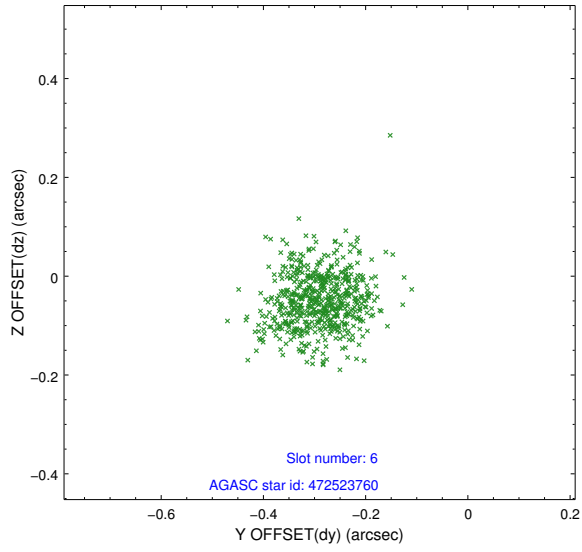
## 2.4.2 Slot 4



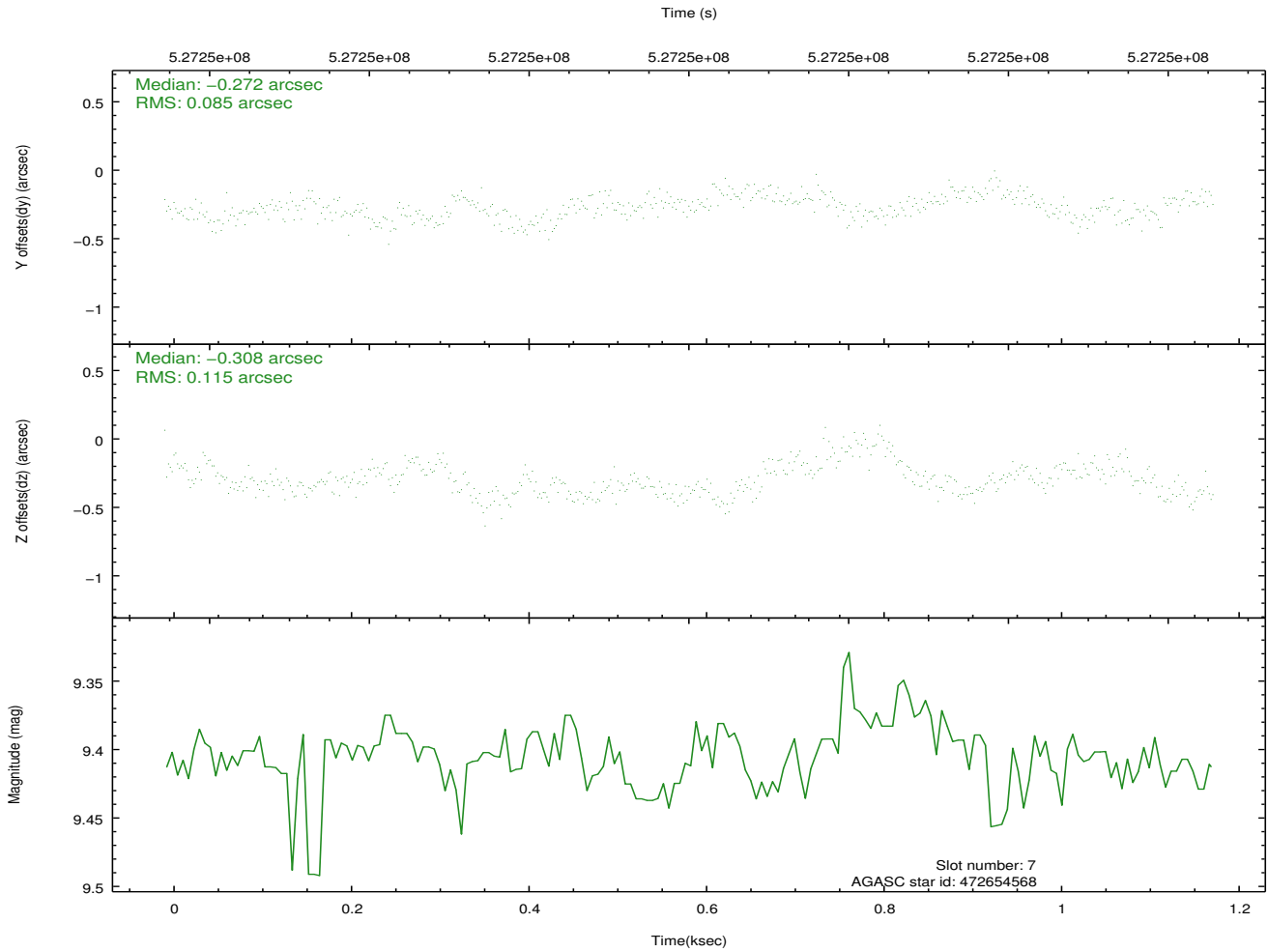
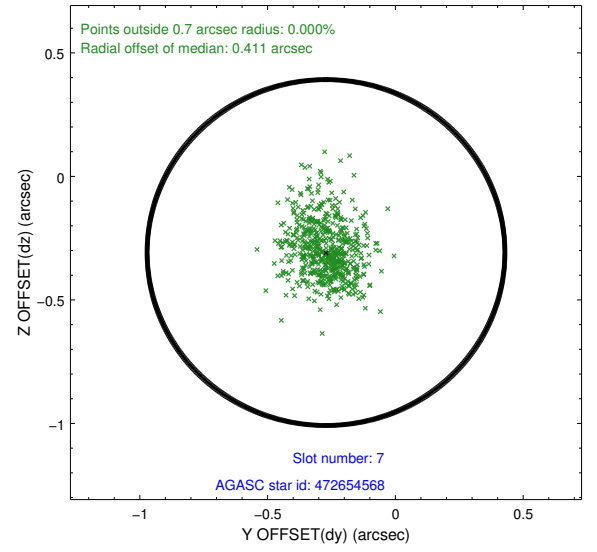
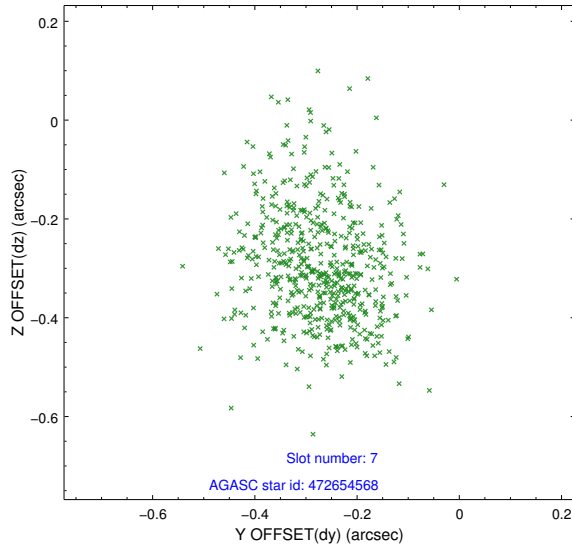
### 2.4.3 Slot 5



## 2.4.4 Slot 6

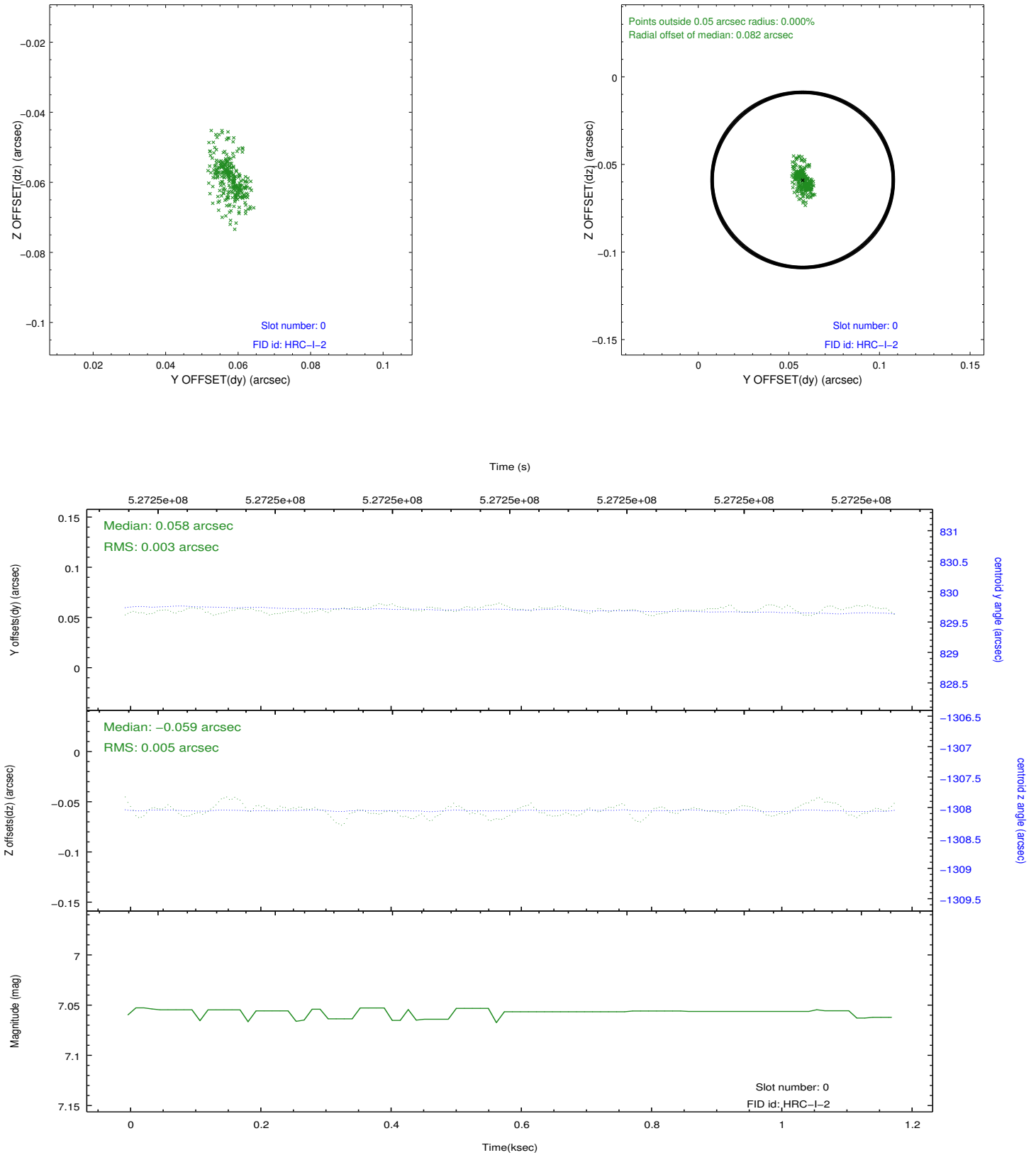


## 2.4.5 Slot 7

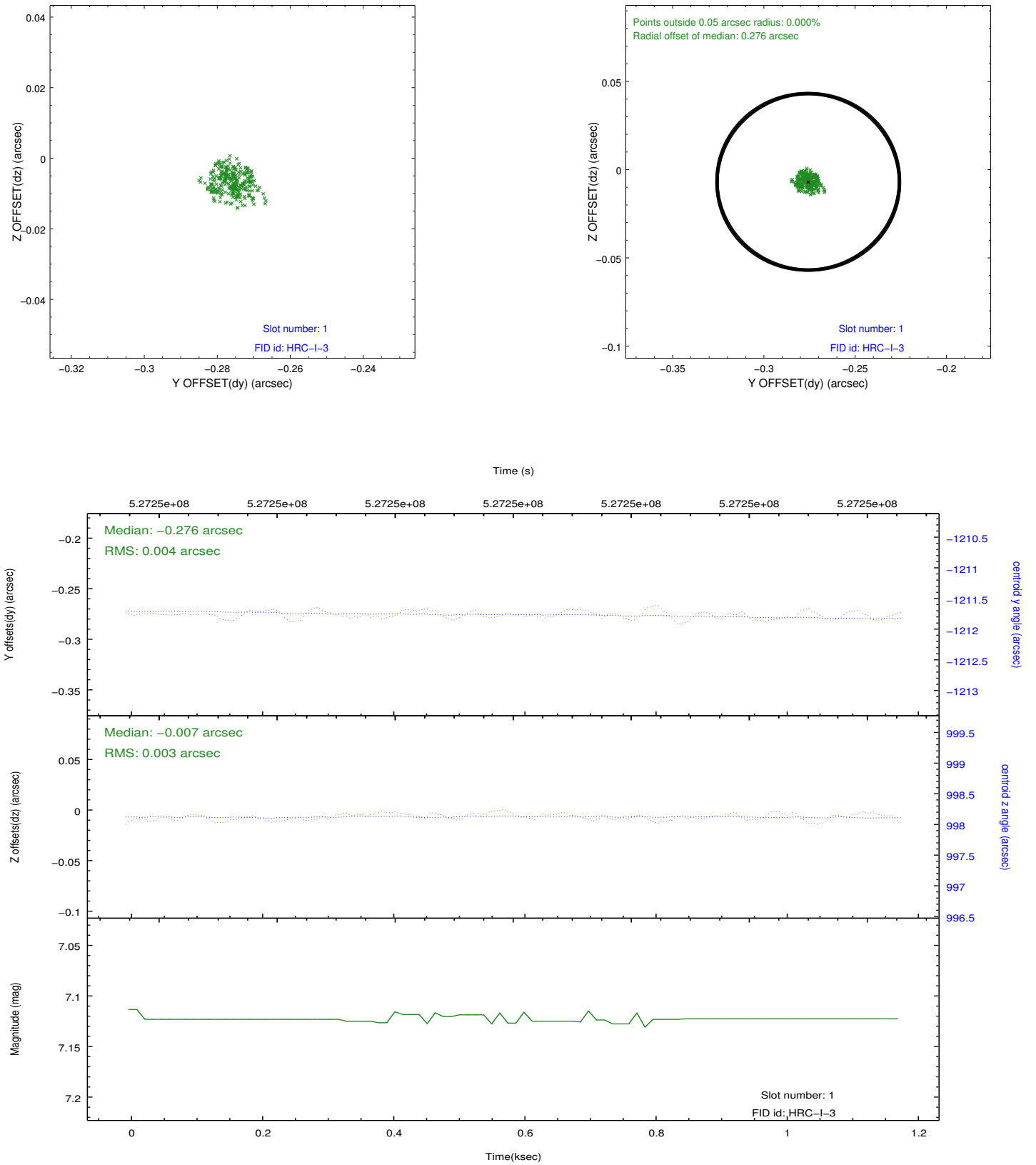


## 2.5 FID Slots

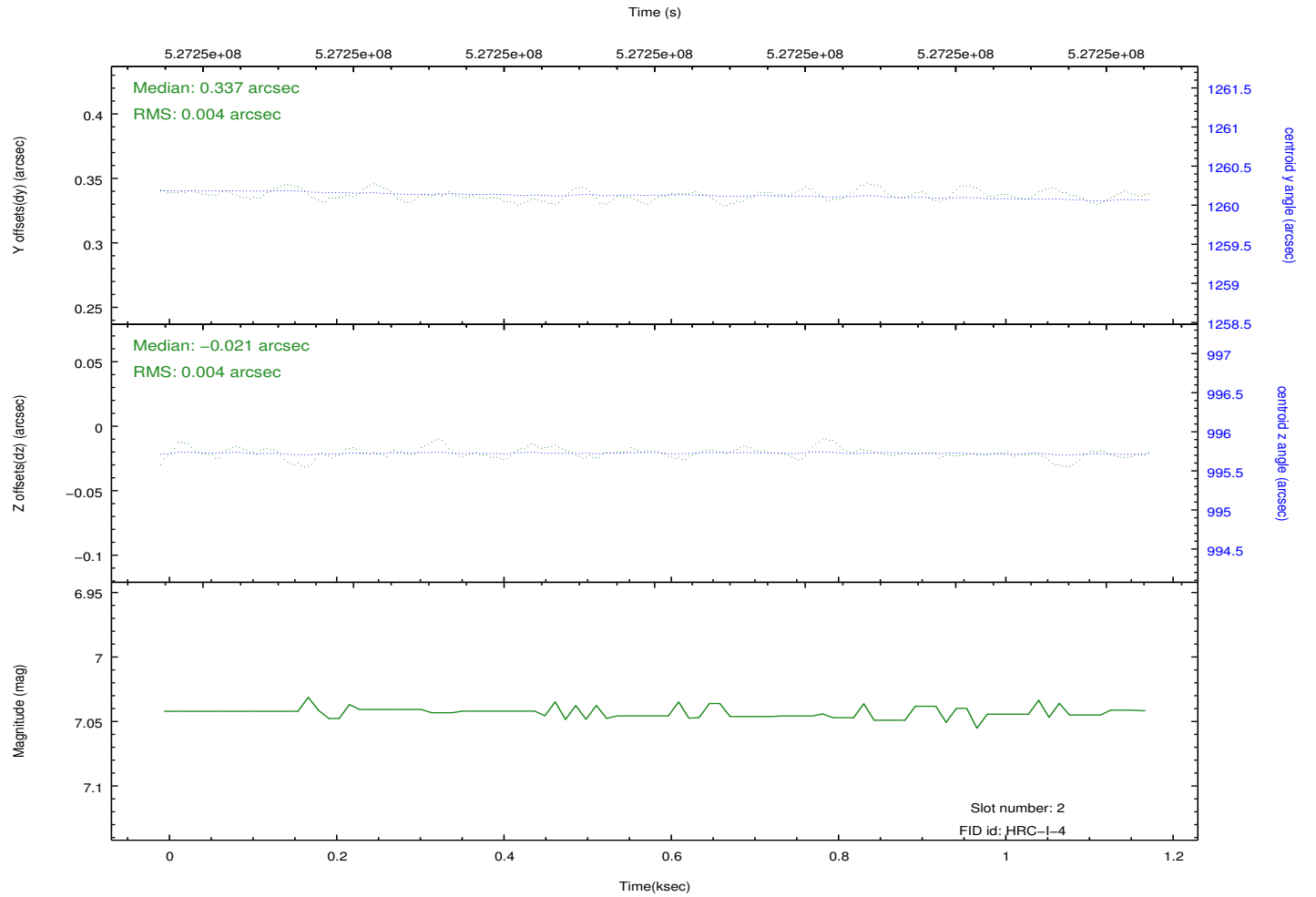
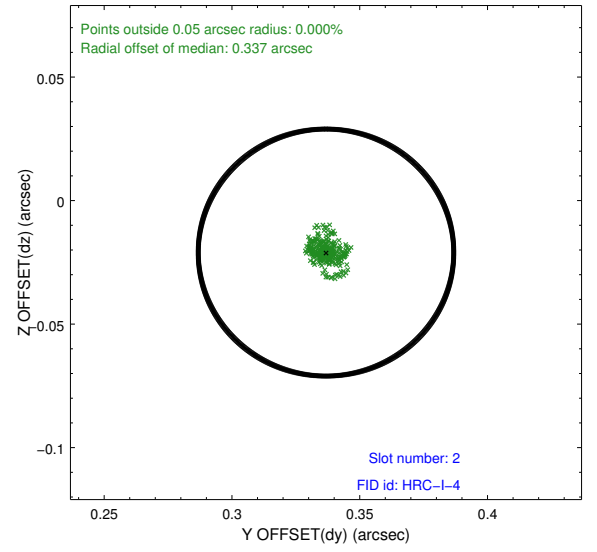
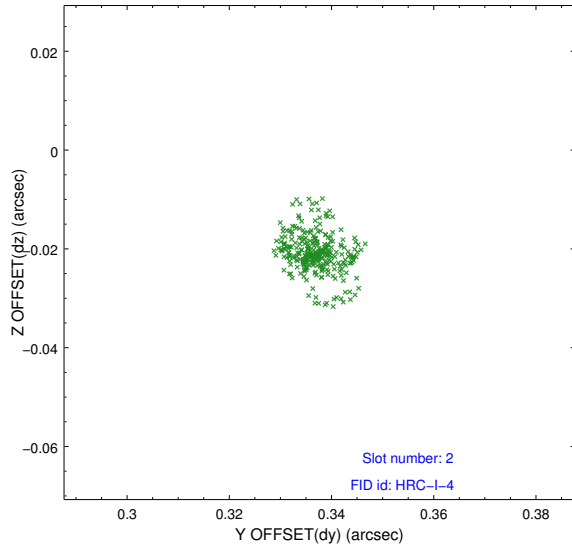
### 2.5.1 Slot 0



## 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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813156962

### A.2 Comments