

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4296 - L2 Version 4  
Chandra X-Ray Center

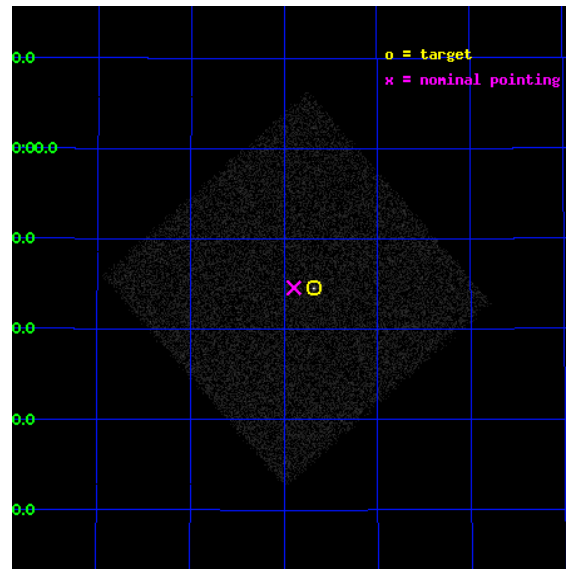
L2 Processing Date : Oct 23 2012

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# 1 Front

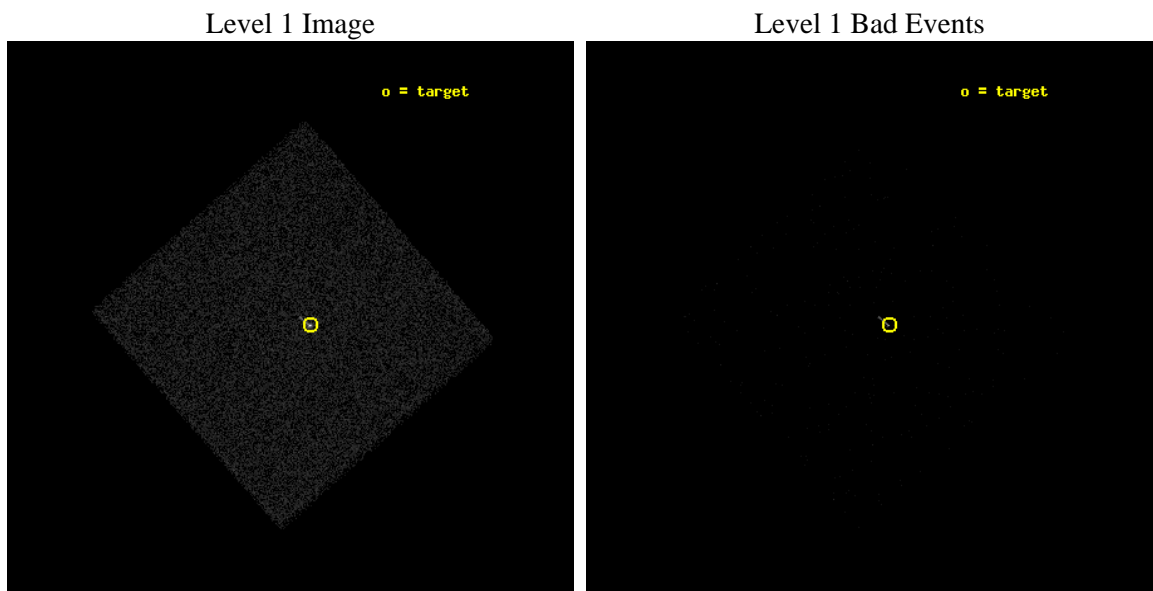
seq_num	290256	Sequence number
obs_id	4296	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR SPATIAL VARIATIONS IN THE HRC-I GAIN	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.2234939266	Nominal RA [deg]
dec_nom	45.743400545582	Nominal Dec [deg]
roll_nom	3.6396592426891	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1181.8250496984	[s]
livetime	1175.4321123762	Ontime multiplied by DTCOR
l2events	35751	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	1181.8250496984	[s]
caldbver	4.5.2	&#160	l1events	65145	Number of level 1 events
date	2012-10-23T09:27:47	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

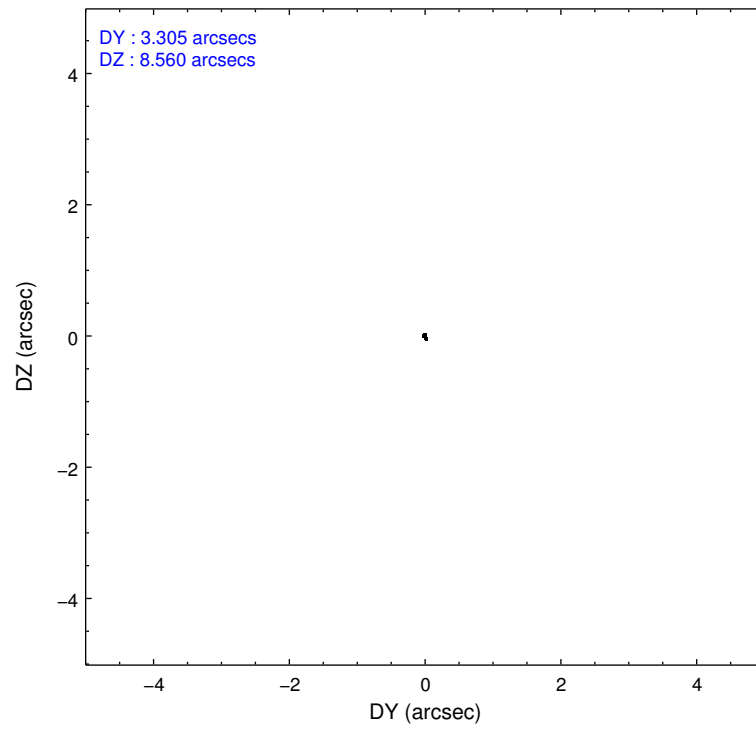
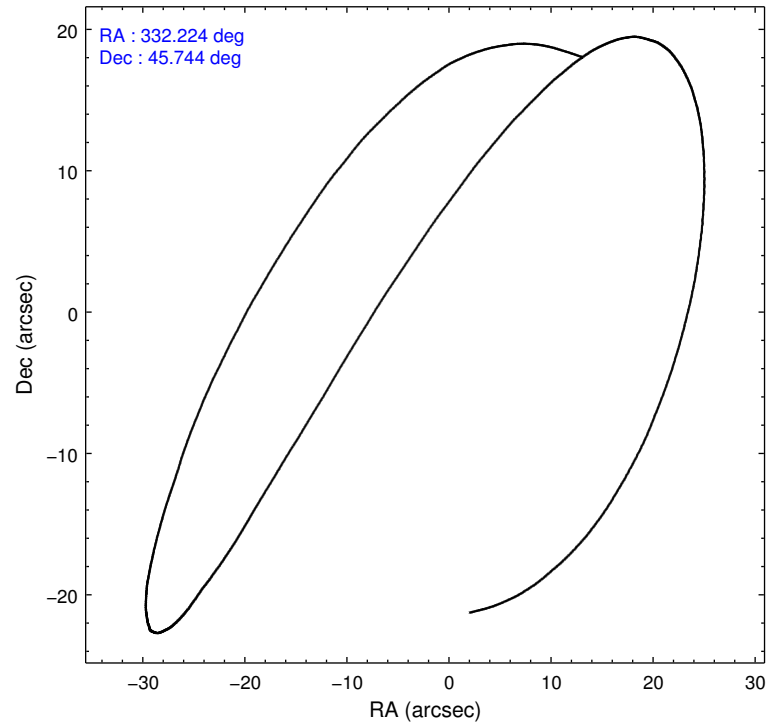
	<b>segment 0</b>
level 1 events	65145
rejected events	14208
rejected %	21%

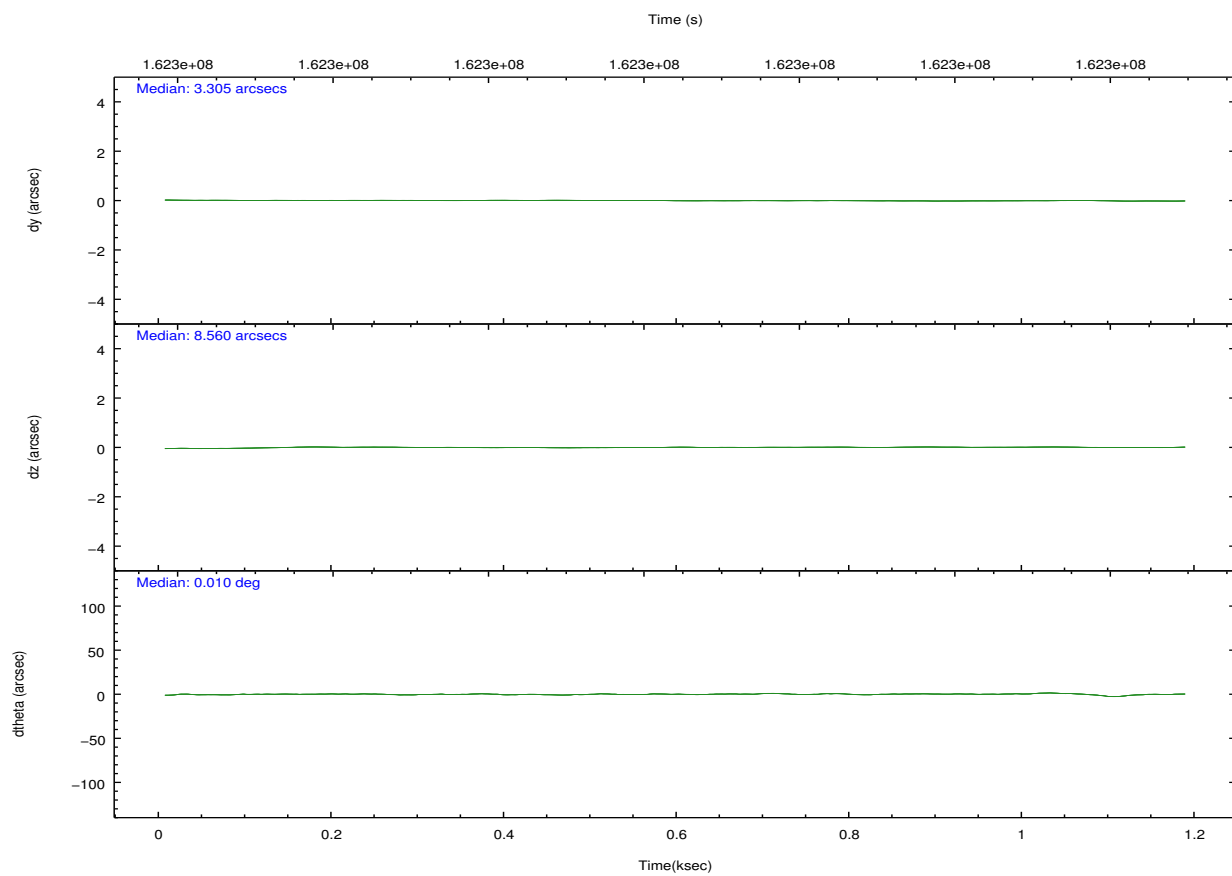
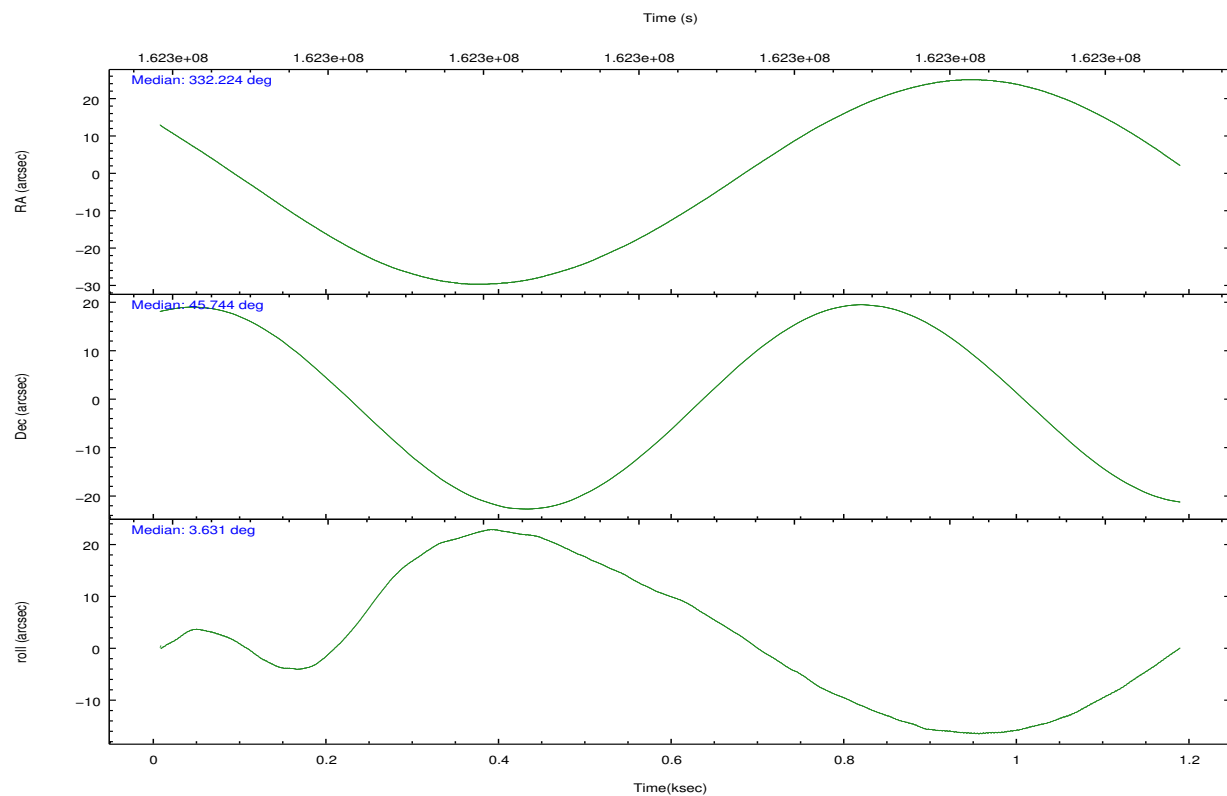
## 2.2 Compared Parameters

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	332.191494	332.223493926602
[deg] Pointing Dec	45.727598	45.74340054558201
[deg] Pointing Roll	3.758082	3.639659242689063
[s] Window start time (MET)	161654464.184000	161654464.184000
[s] Window stop time (MET)	165369664.184000	165369664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	162302638.184000	162302261.59492
Observation start date	2003-02-22T12:02:54	2003-02-22T11:57:41
[s] Observation end time (MET)	162303638.184000	162303771.41999
Observation end date	2003-02-22T12:19:34	2003-02-22T12:22:51

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

## 2.3 Aspect





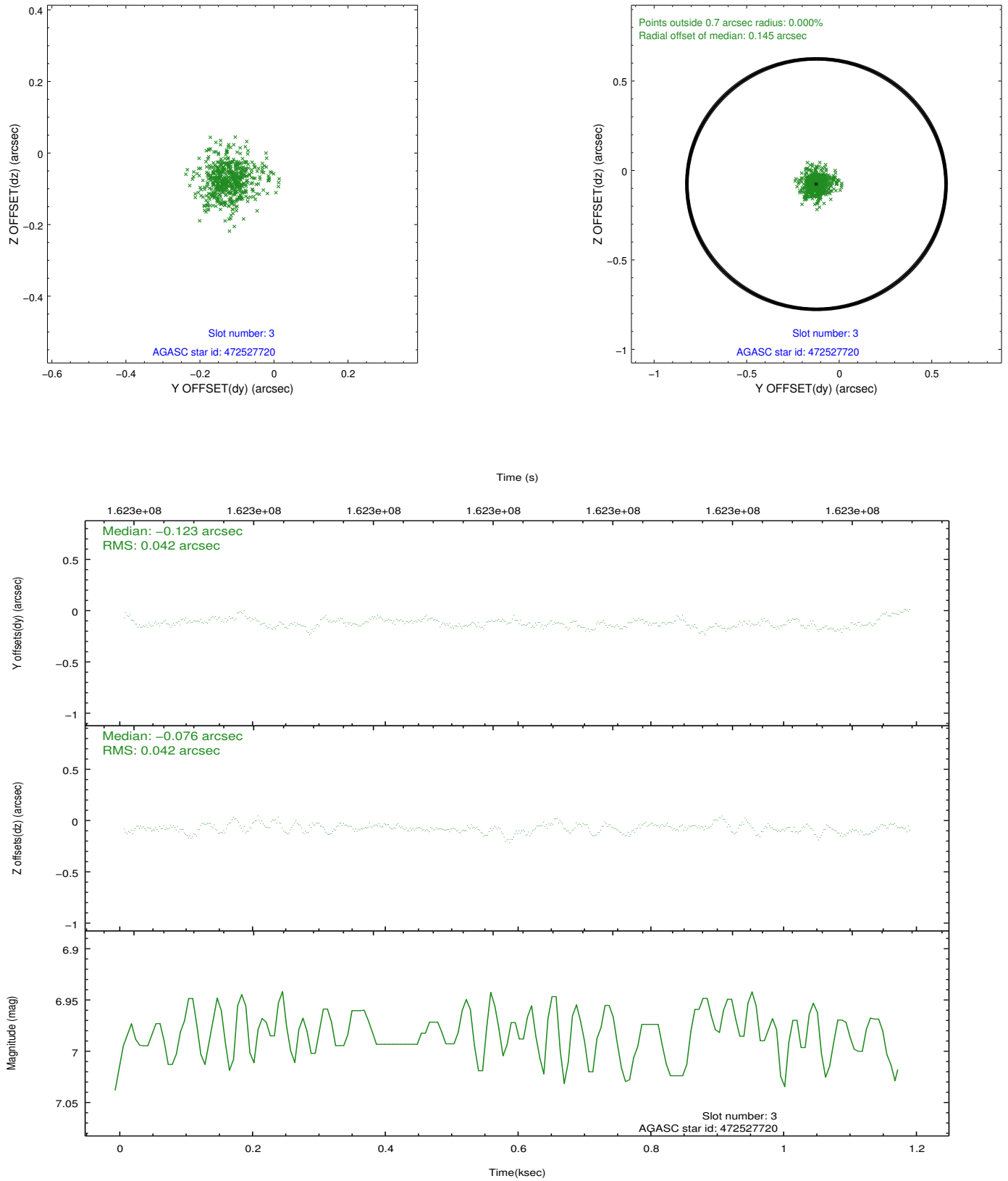
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	289	0.069	0.062	0.007	0.014	0.000000	0.000000	-758.74	-1296.42
1	FID	HRC-I-3	7.06	289	-0.006	-0.076	0.007	0.014	0.000000	0.000000	-1189.88	1003.53
2	FID	HRC-I-4	7.01	289	0.051	-0.076	0.005	0.015	0.000000	0.000000	1279.96	1009.04
3	GUIDE	472527720	6.98	578	-0.123	-0.076	0.061	0.108	331.460205	45.112509	-1998.83	-2080.56
4	GUIDE	472655152	9.43	575	0.124	0.020	0.114	0.409	332.504239	45.862991	810.45	432.11
5	GUIDE	472659832	9.46	571	0.027	0.062	0.106	0.165	332.780399	46.098139	1555.61	1240.49
6	GUIDE	472533912	9.18	578	-0.005	-0.053	0.117	0.183	331.791136	46.368695	-839.08	2371.86
7	GUIDE	472654568	9.44	576	-0.003	0.055	0.113	0.192	332.194449	45.063576	-150.75	-2382.49

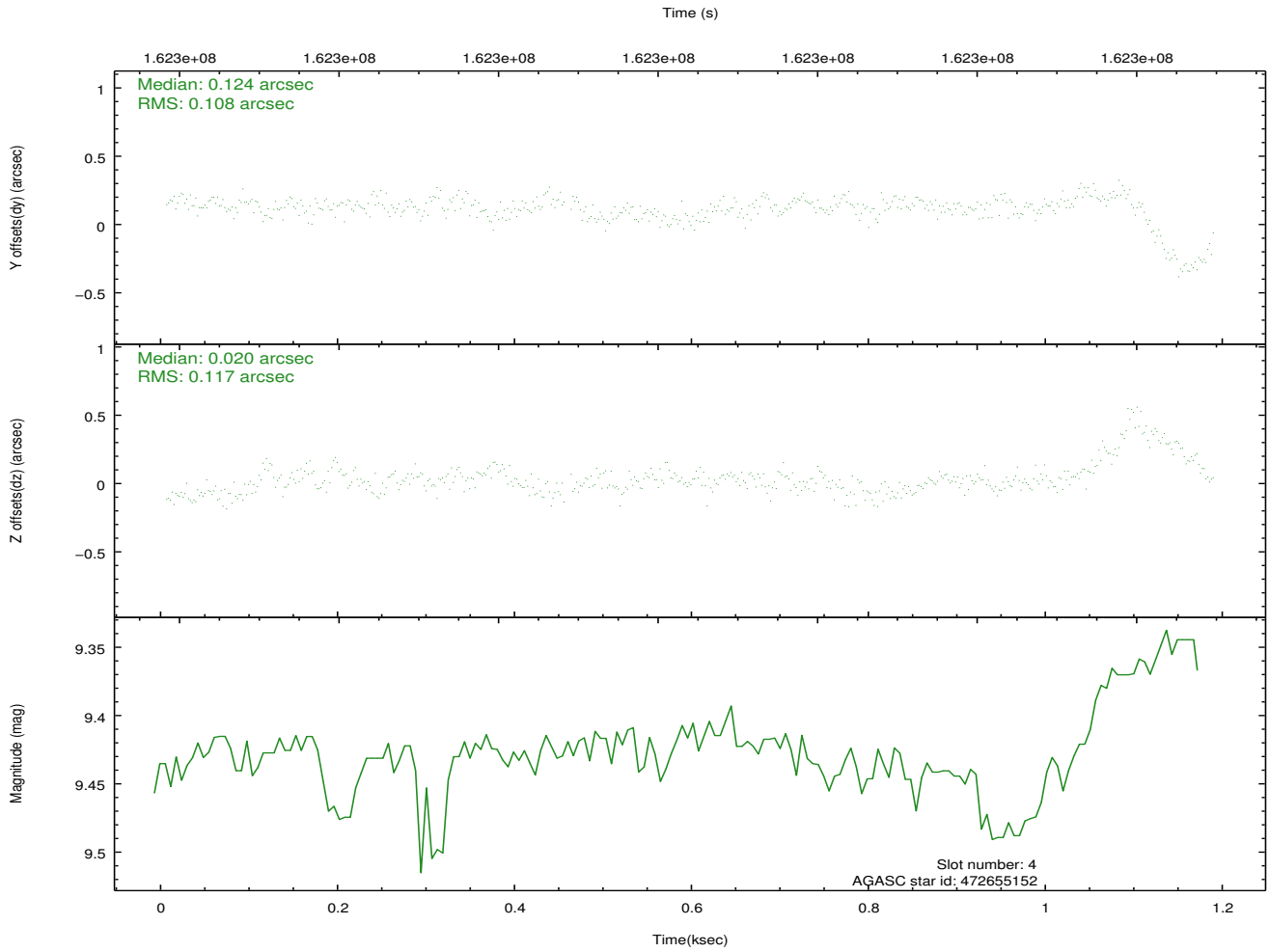
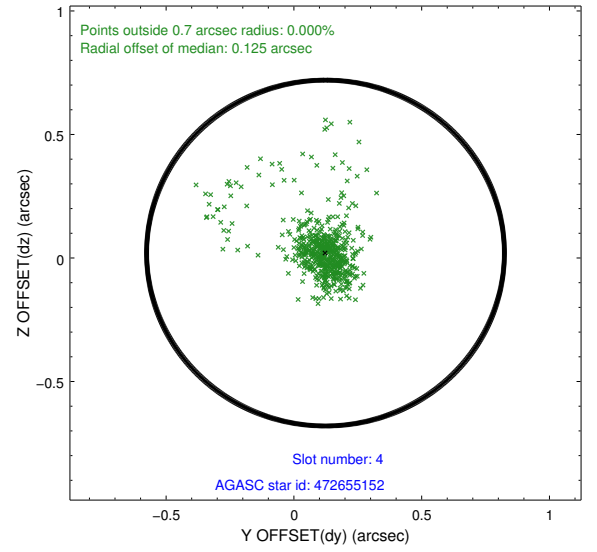
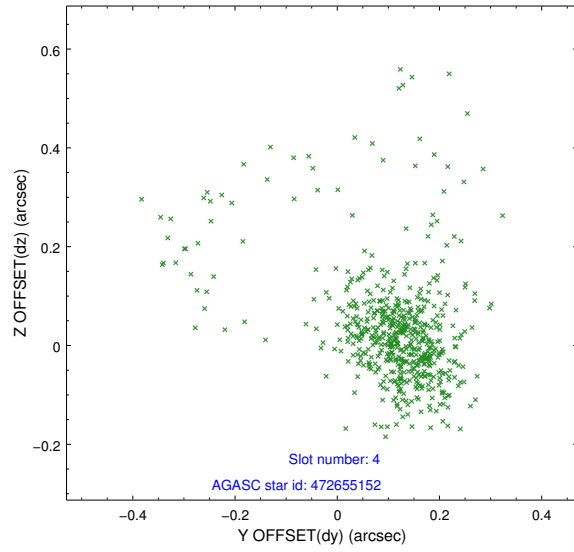


## 2.4 Star Slots

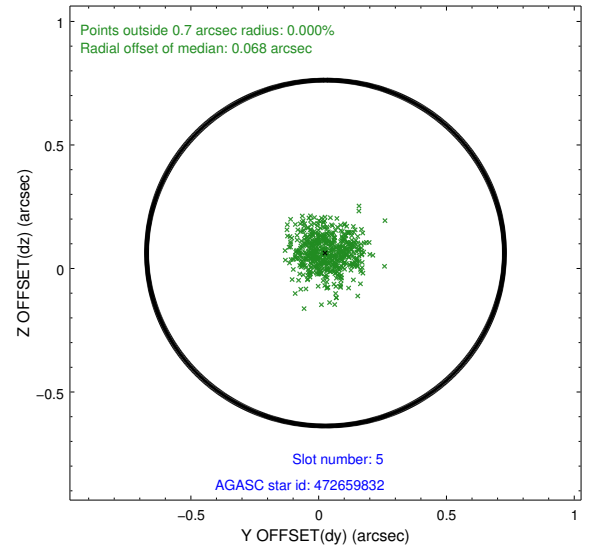
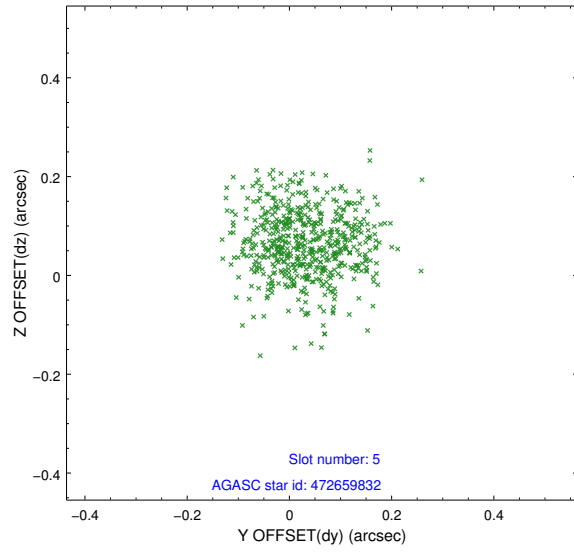
### 2.4.1 Slot 3



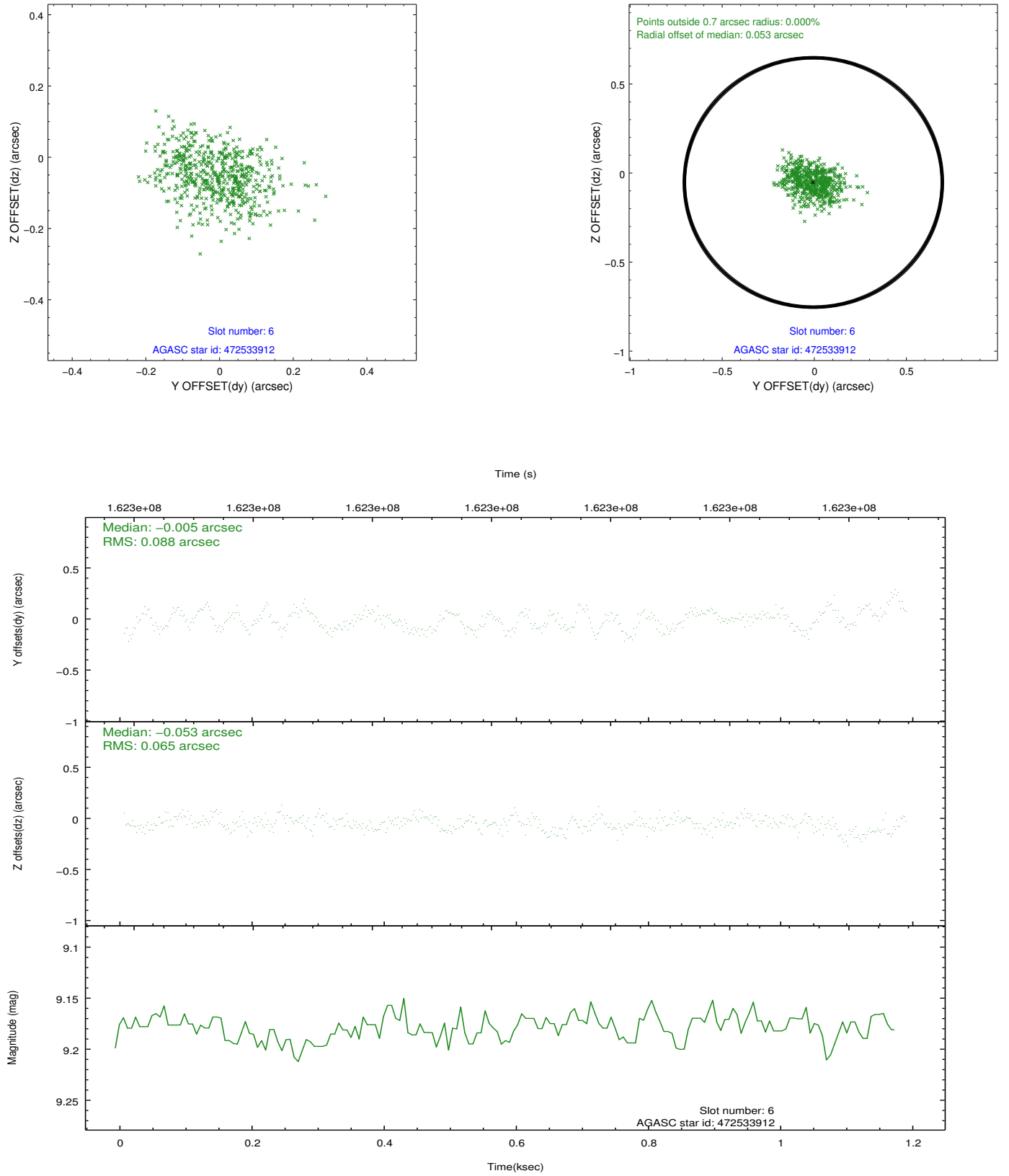
## 2.4.2 Slot 4



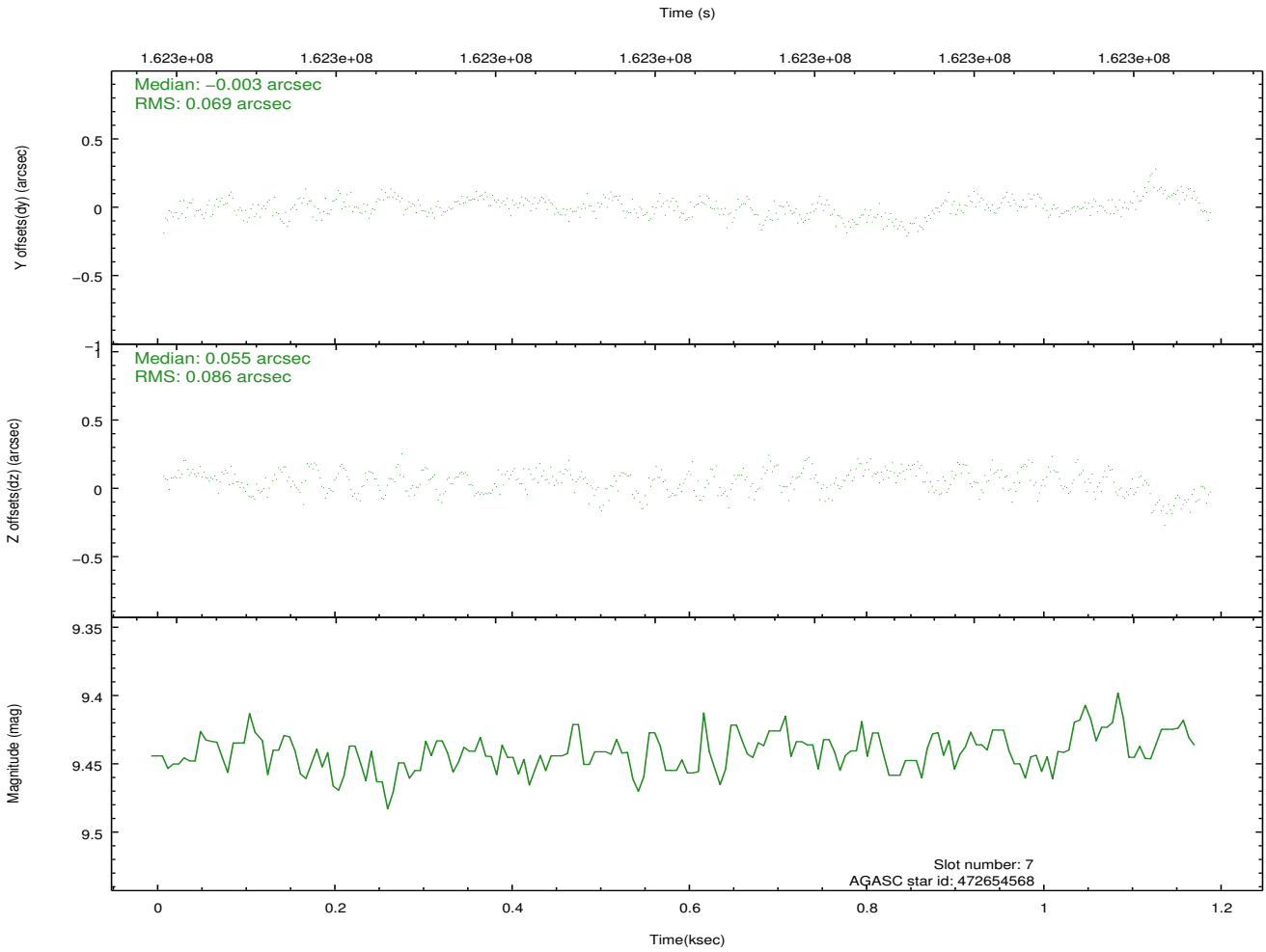
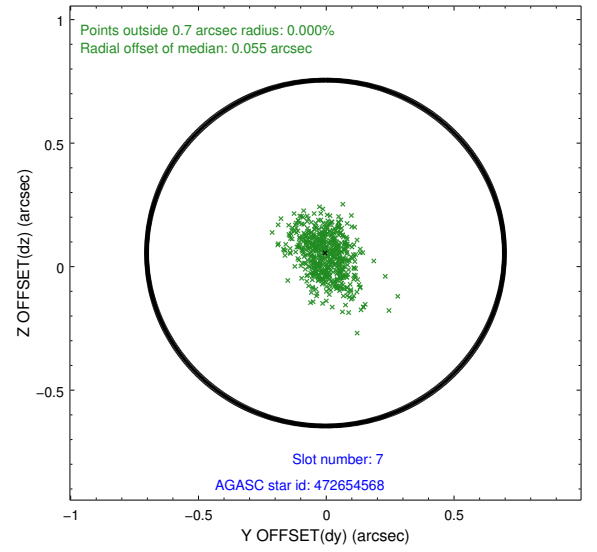
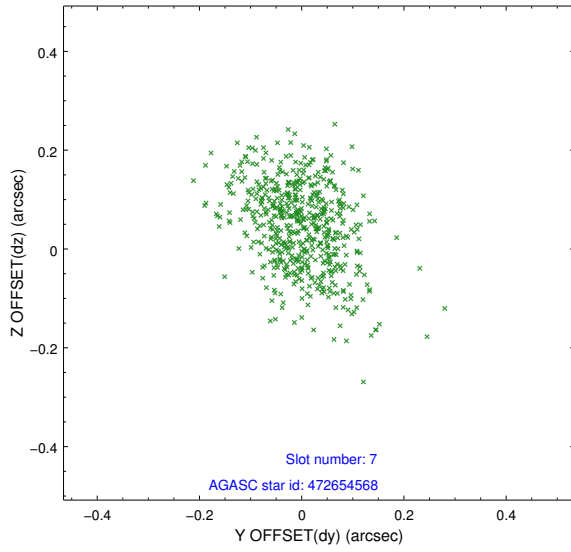
### 2.4.3 Slot 5



## 2.4.4 Slot 6

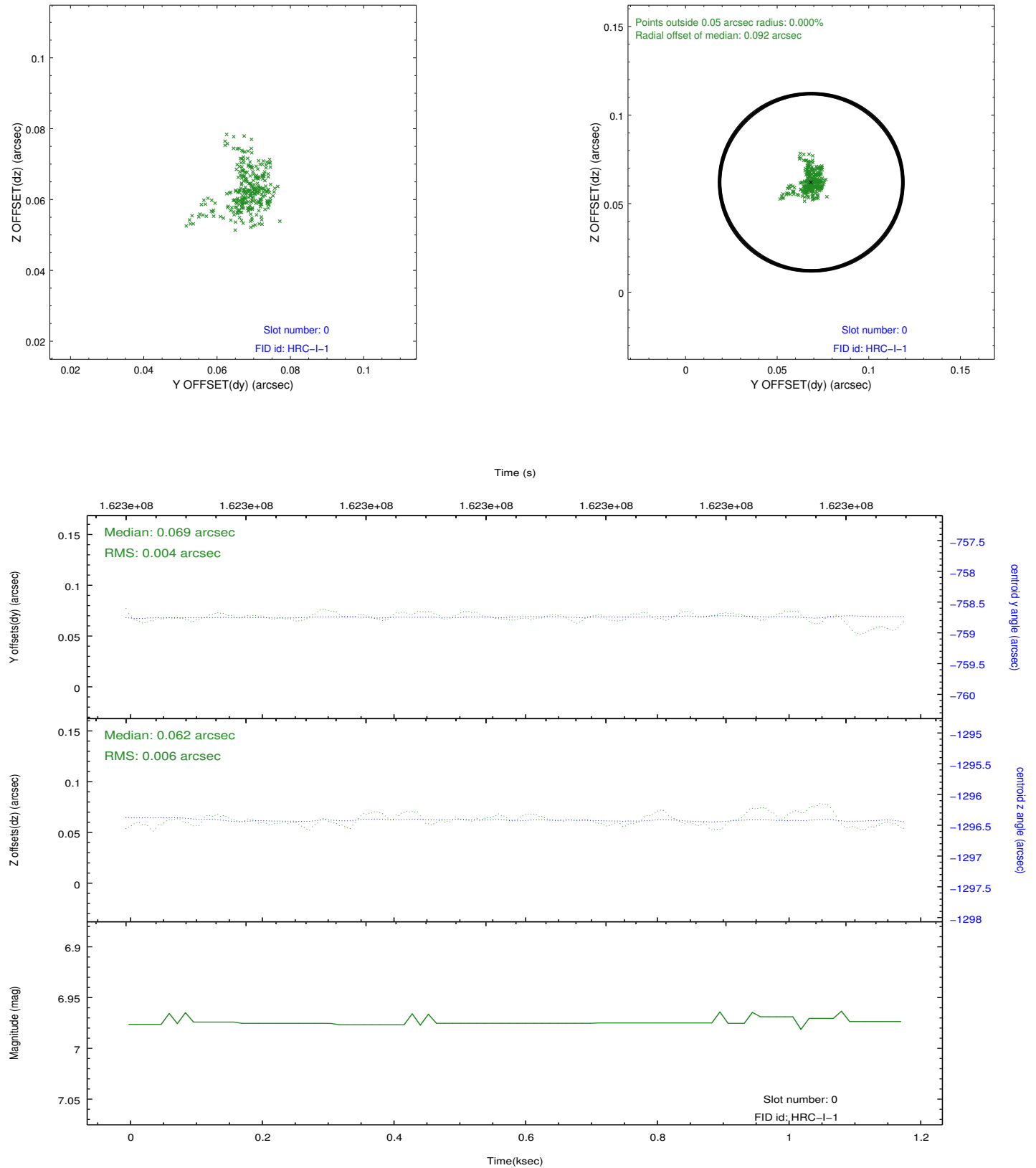


## 2.4.5 Slot 7

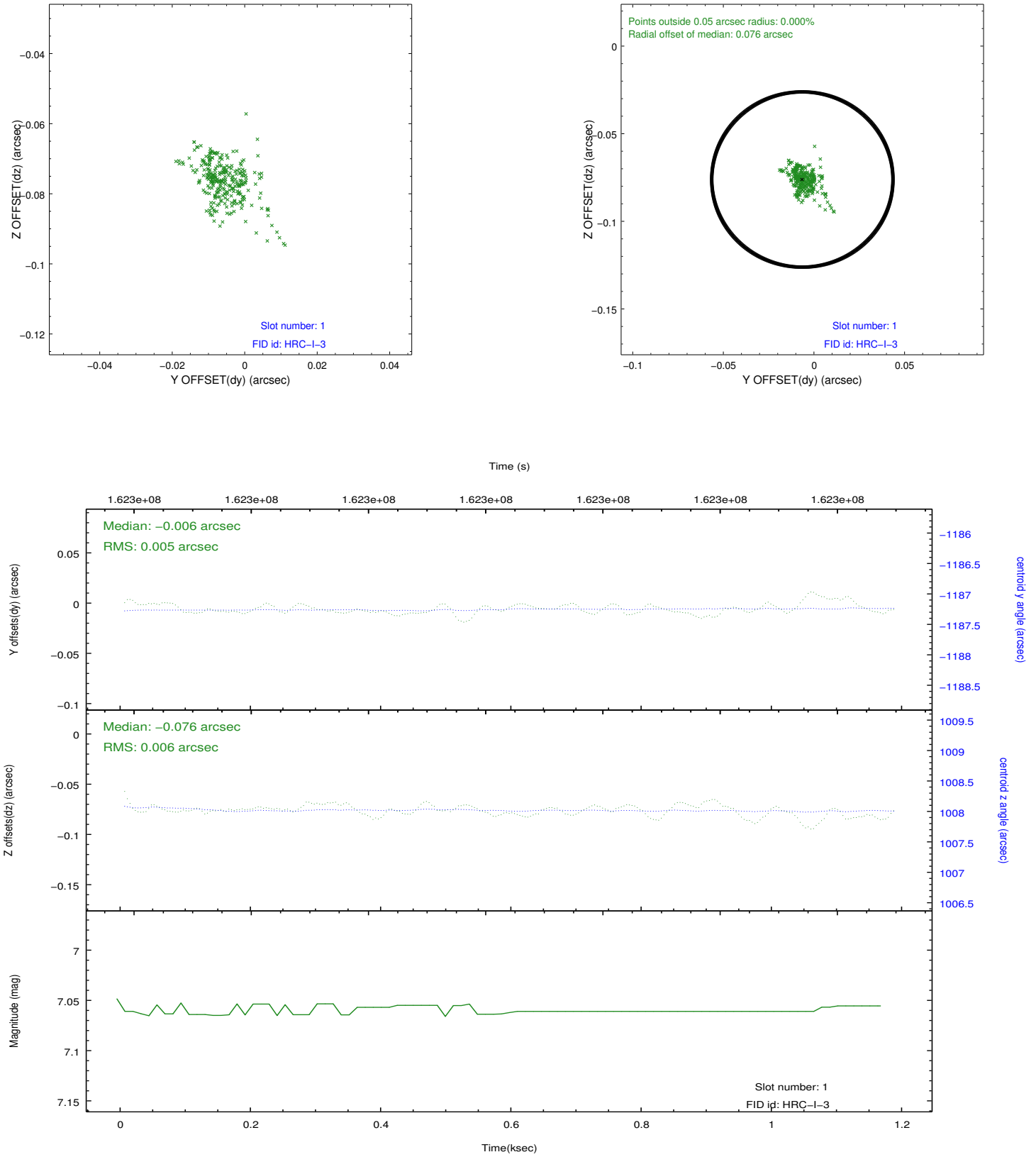


## 2.5 FID Slots

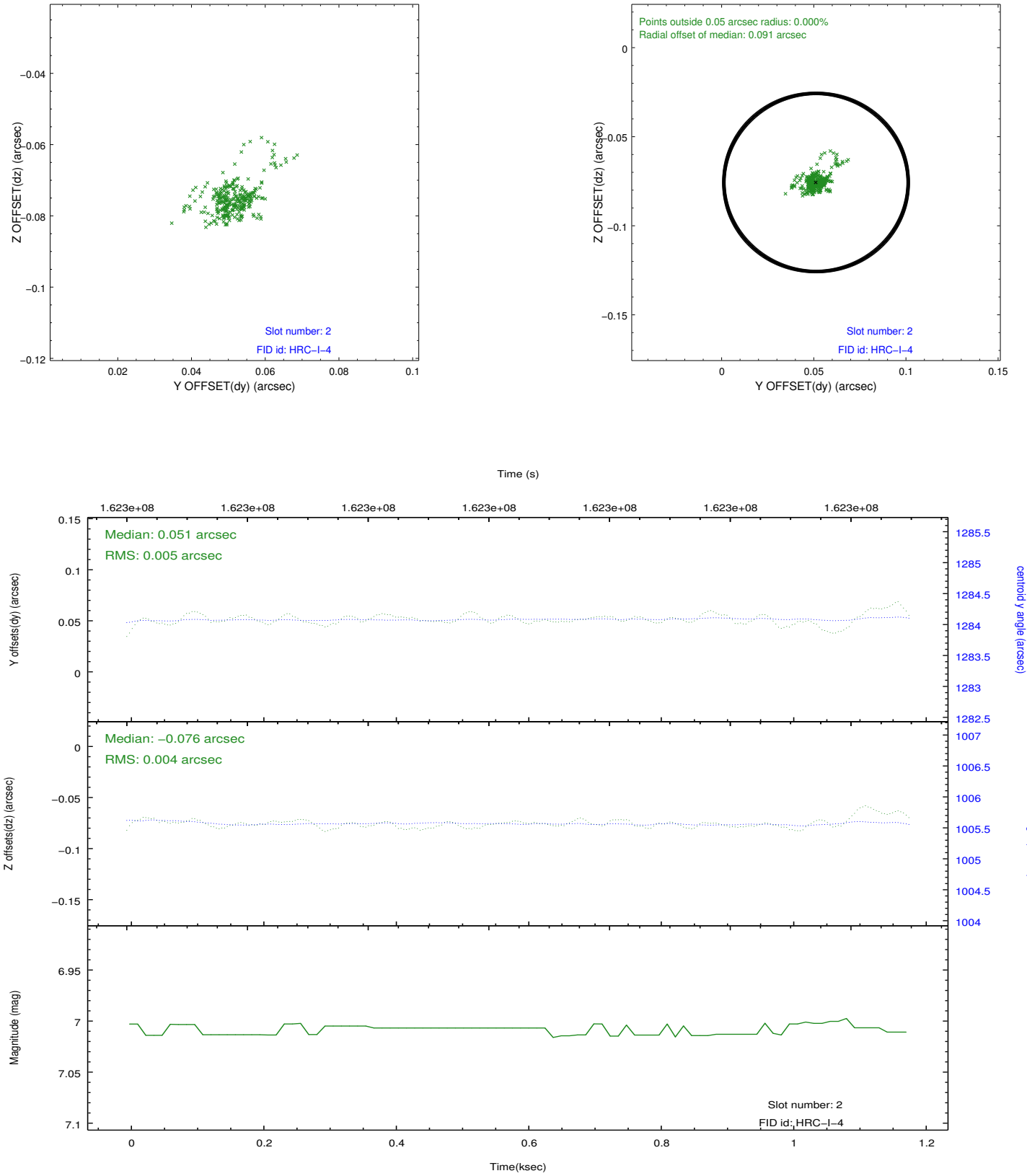
### 2.5.1 Slot 0



## 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)	2012.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

### A.2 Comments

Window constraint met.