

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 5985 - L2 Version 5  
Chandra X-Ray Center

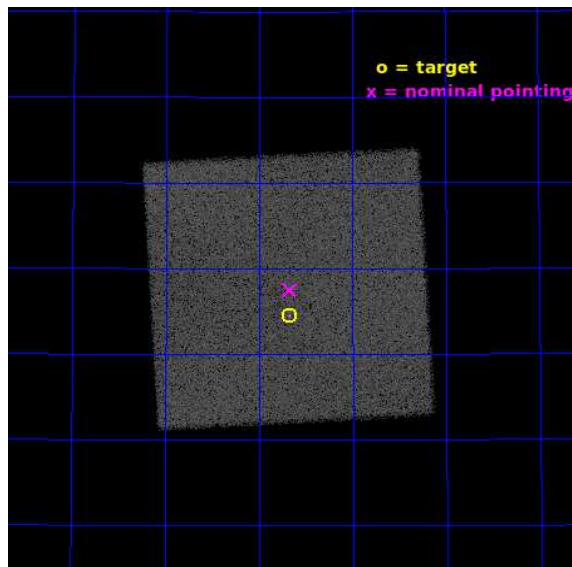
L2 Processing Date : Oct 10 2020

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# 1 Front

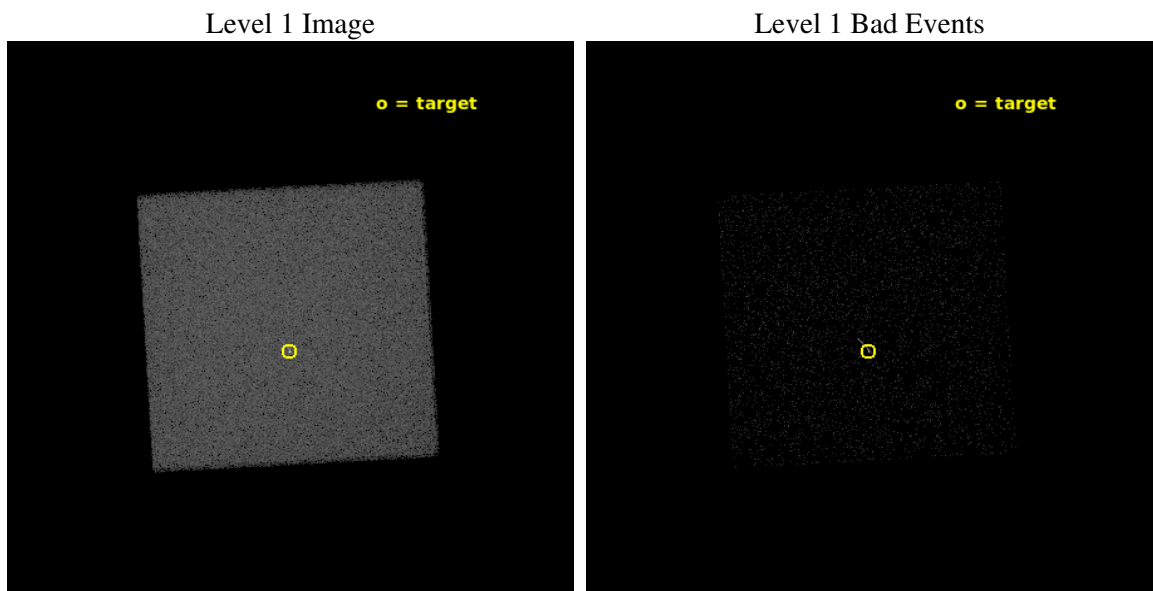
seq_num	290477	Sequence number
obs_id	5985	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16760470699	Nominal RA [deg]
dec_nom	45.792193999145	Nominal Dec [deg]
roll_nom	221.76692674175	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1180.0313042998	[s]
livetime	506.93694543984	Ontime multiplied by DTCOR
l2events	170025	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	10.9.1	Processing system revision	ontime	1180.0313042998	[s]
caldsver	4.9.2	&#160	l1events	278586	Number of level 1 events
date	2020-10-10T13:58:14	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

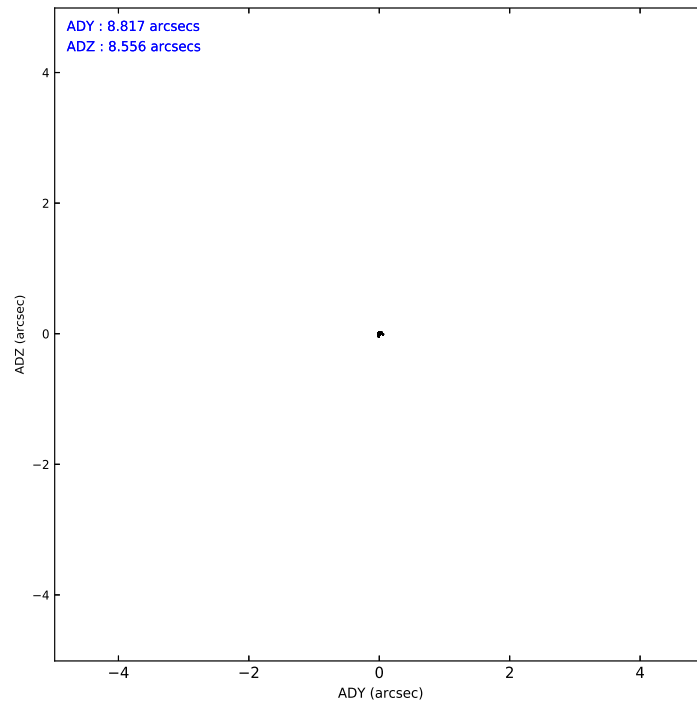
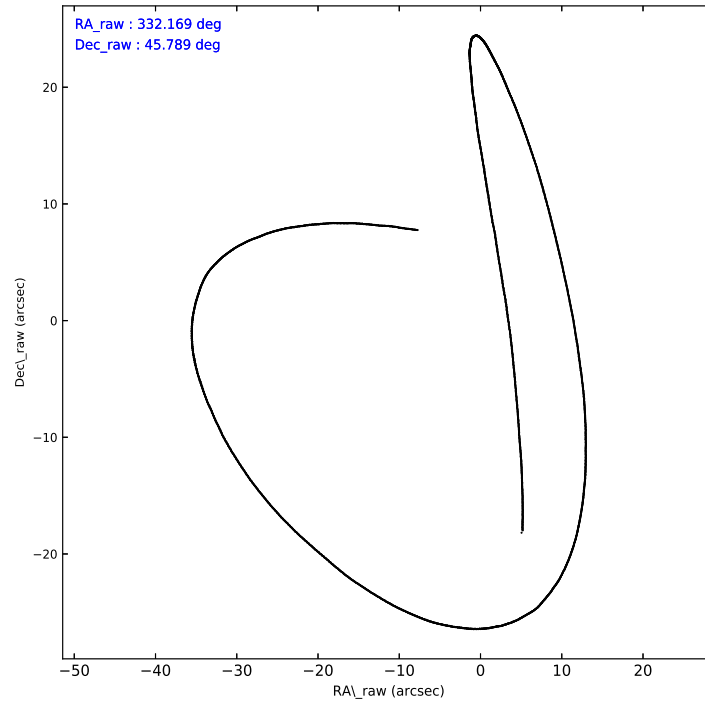
	<b>segment 0</b>
level 1 events	278586
rejected events	60812
rejected %	21%

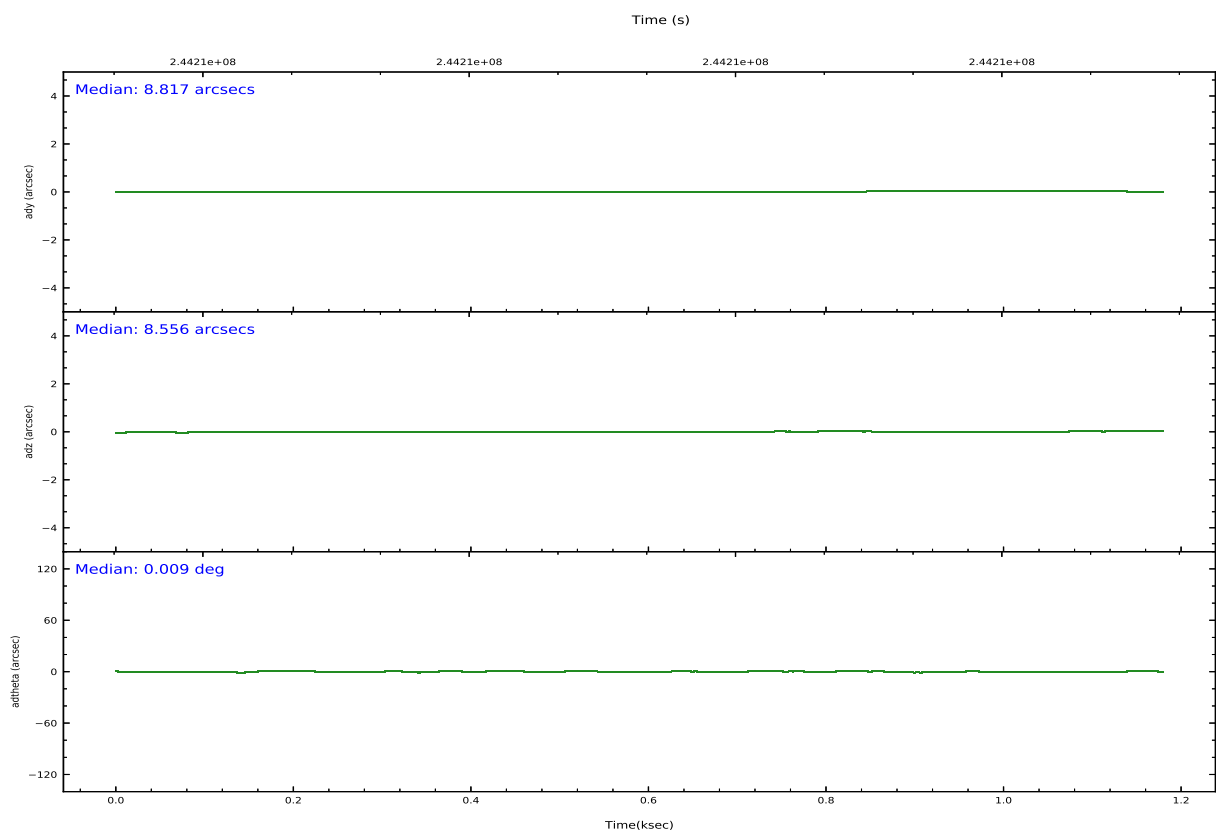
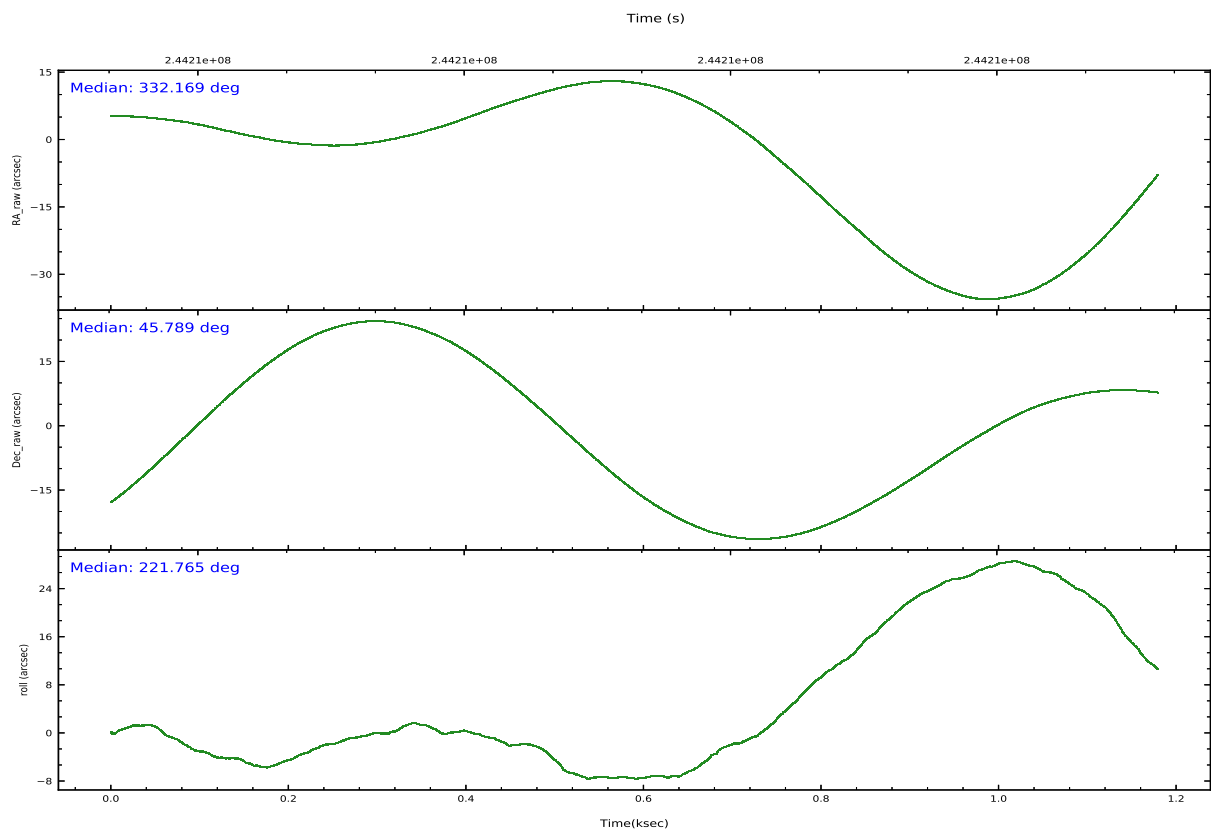
## 2.2 Compared Parameters

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	332.179338	332.16760470699
[deg] Pointing Dec	45.813944	45.792193999145
[deg] Pointing Roll	221.867718	221.76692674175
[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)	244208282.184000	244207905.76
Observation start date	2005-09-27T11:36:58	2005-09-27T11:31:45
[s] Observation end time (MET)	244209282.184000	244209416.09757
Observation end date	2005-09-27T11:53:38	2005-09-27T11:56:56

Parameter	Planned	Actual
Obspar version number	8	8
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





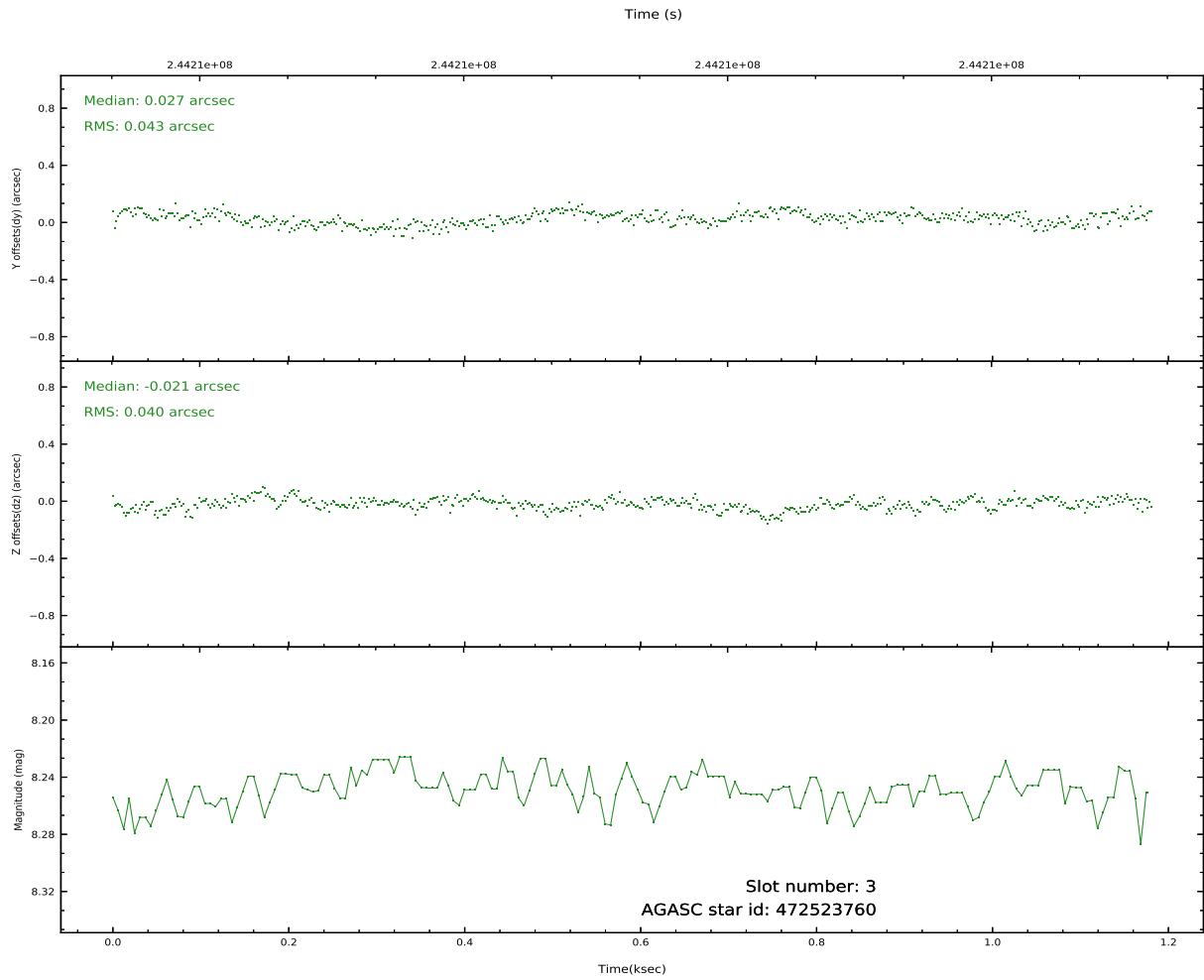
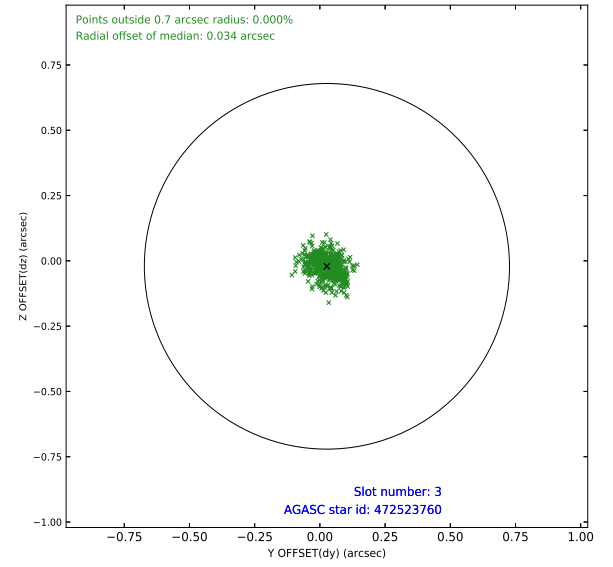
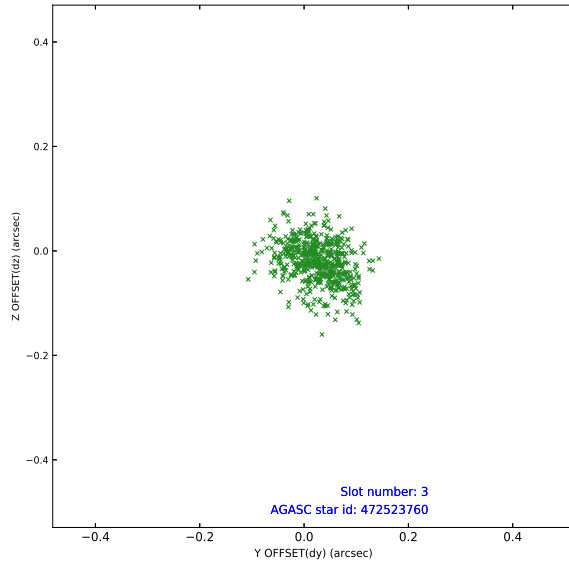
Slot Statistics

pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	288	1.000	-0.030	0.038	0.006	0.009	0.000000	0.000000	-764.49	-1296
1	FID		HRC-I-2	7.02	288	1.000	0.185	-0.131	0.006	0.011	0.000000	0.000000	845.70	-1302
2	FID		HRC-I-3	7.07	288	1.000	-0.036	0.003	0.005	0.010	0.000000	0.000000	-1190.04	1003
3	GUIDE	used	472523760	8.25	577	1.000	0.027	-0.021	0.063	0.103	331.645363	45.403260	1989.13	200
4	GUIDE	used	472533912	9.16	577	1.000	-0.031	0.039	0.109	0.190	331.791136	46.368695	-612.52	-2129
5	GUIDE	used	472651904	6.15	577	1.000	-0.093	-0.220	0.064	0.108	332.170077	45.742257	188.65	175
6	GUIDE	used	472654568	9.43	577	1.000	0.026	0.160	0.104	0.165	332.194449	45.063576	1774.81	2041
7	GUIDE	used	472655152	9.43	576	1.000	0.075	0.041	0.104	0.185	332.504239	45.862991	-722.17	417

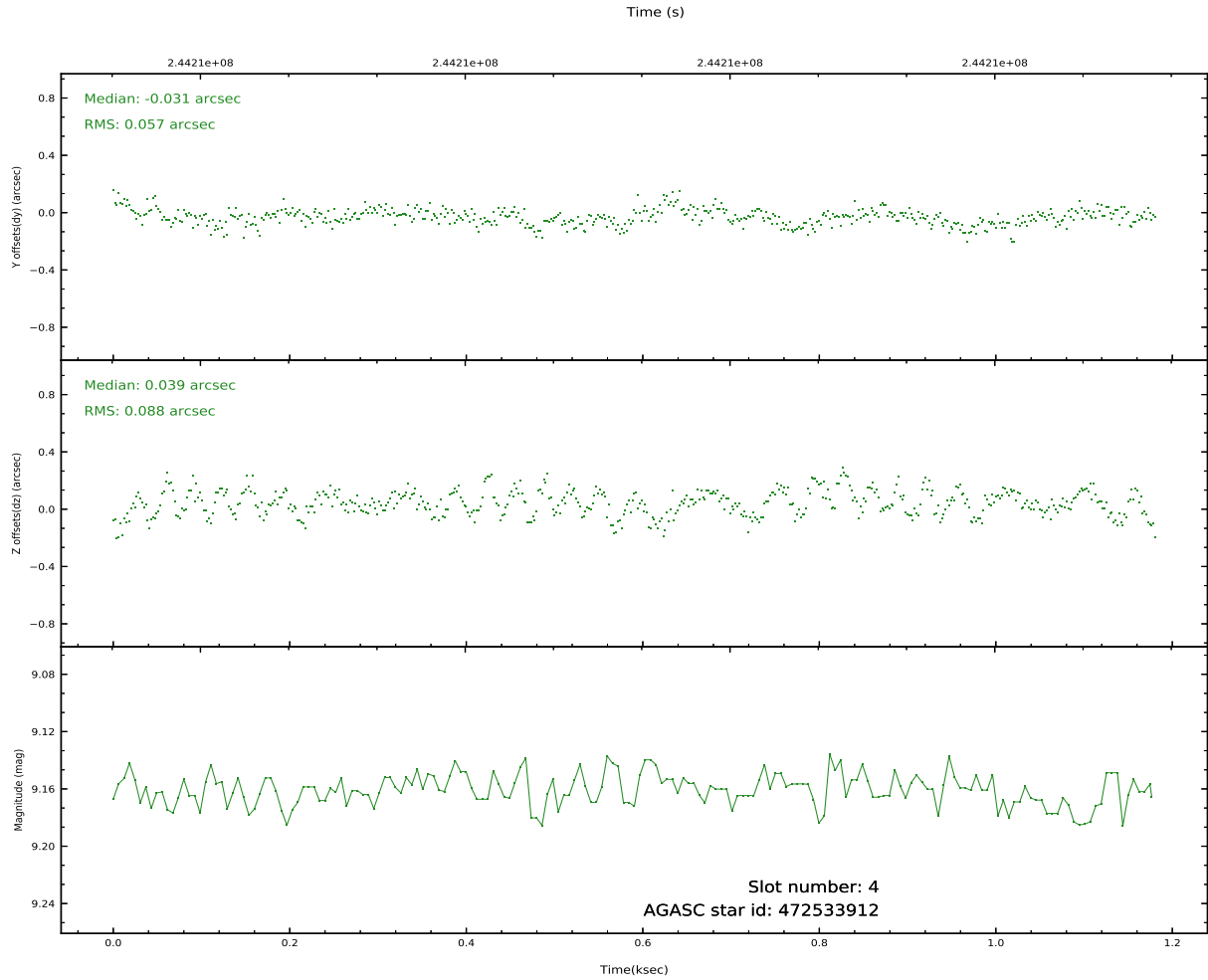
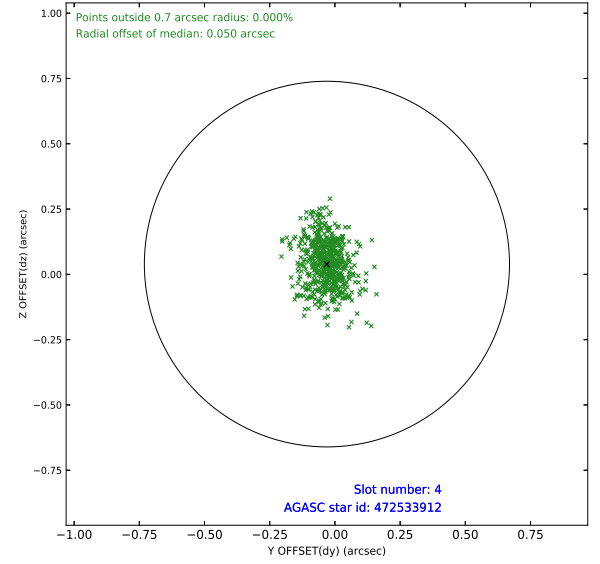
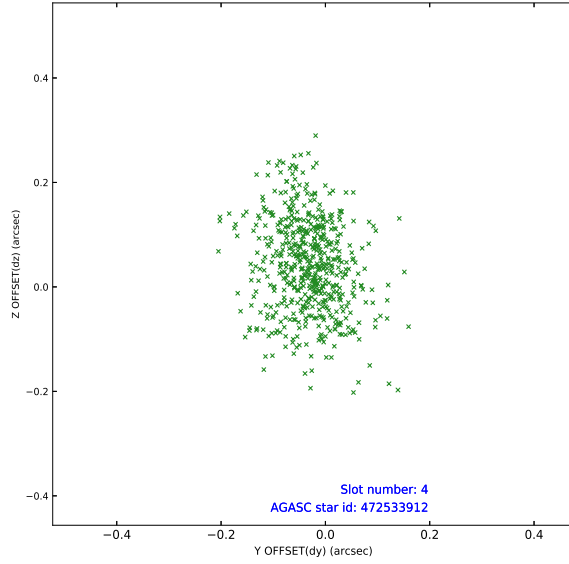


## 2.4 Star Slots

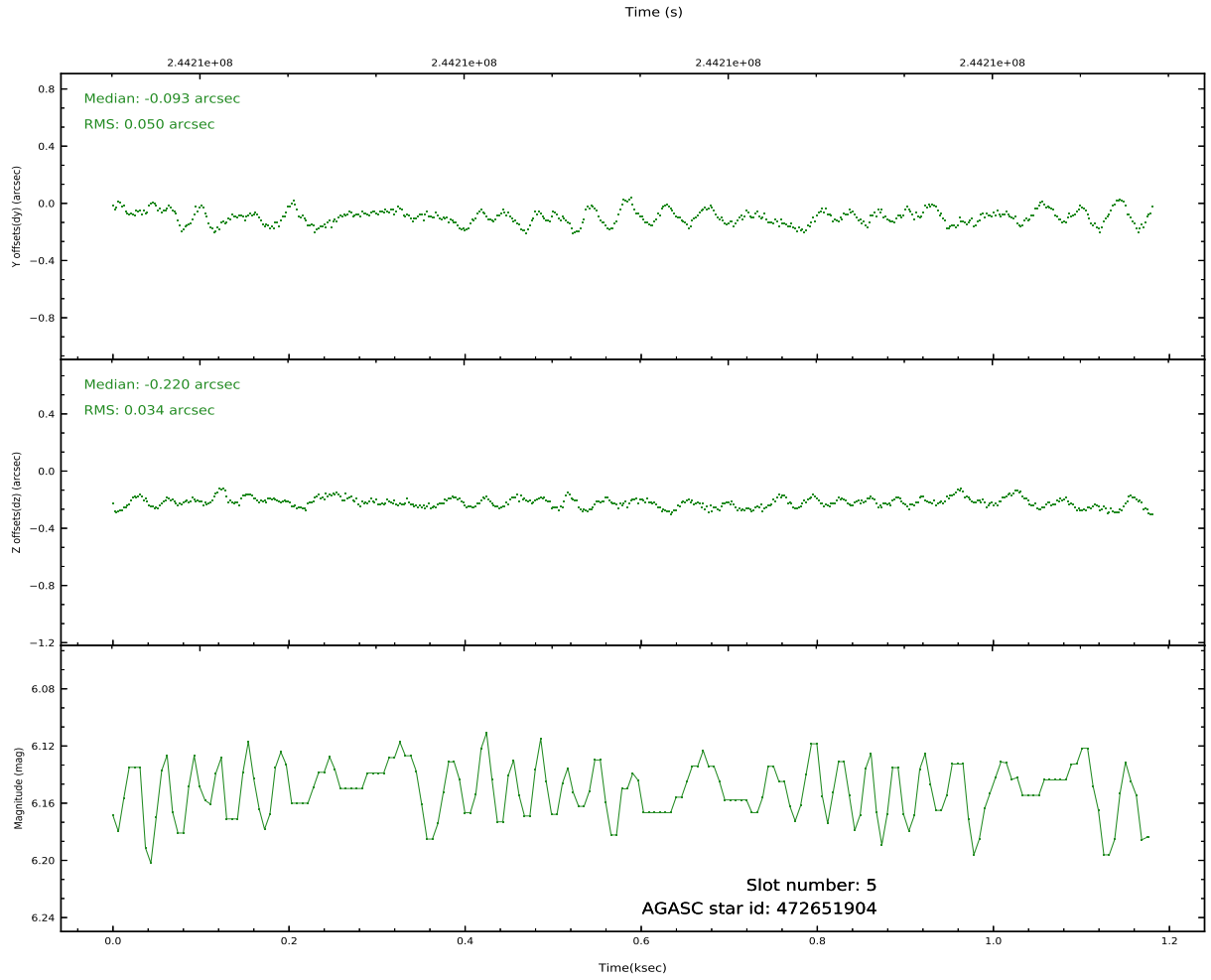
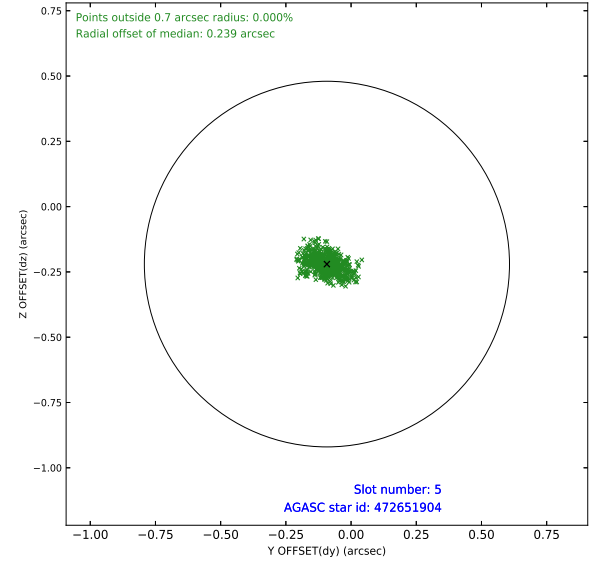
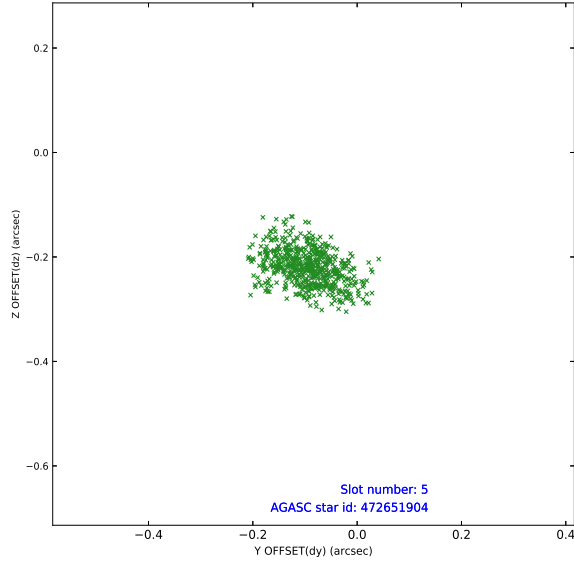
### 2.4.1 Slot 3



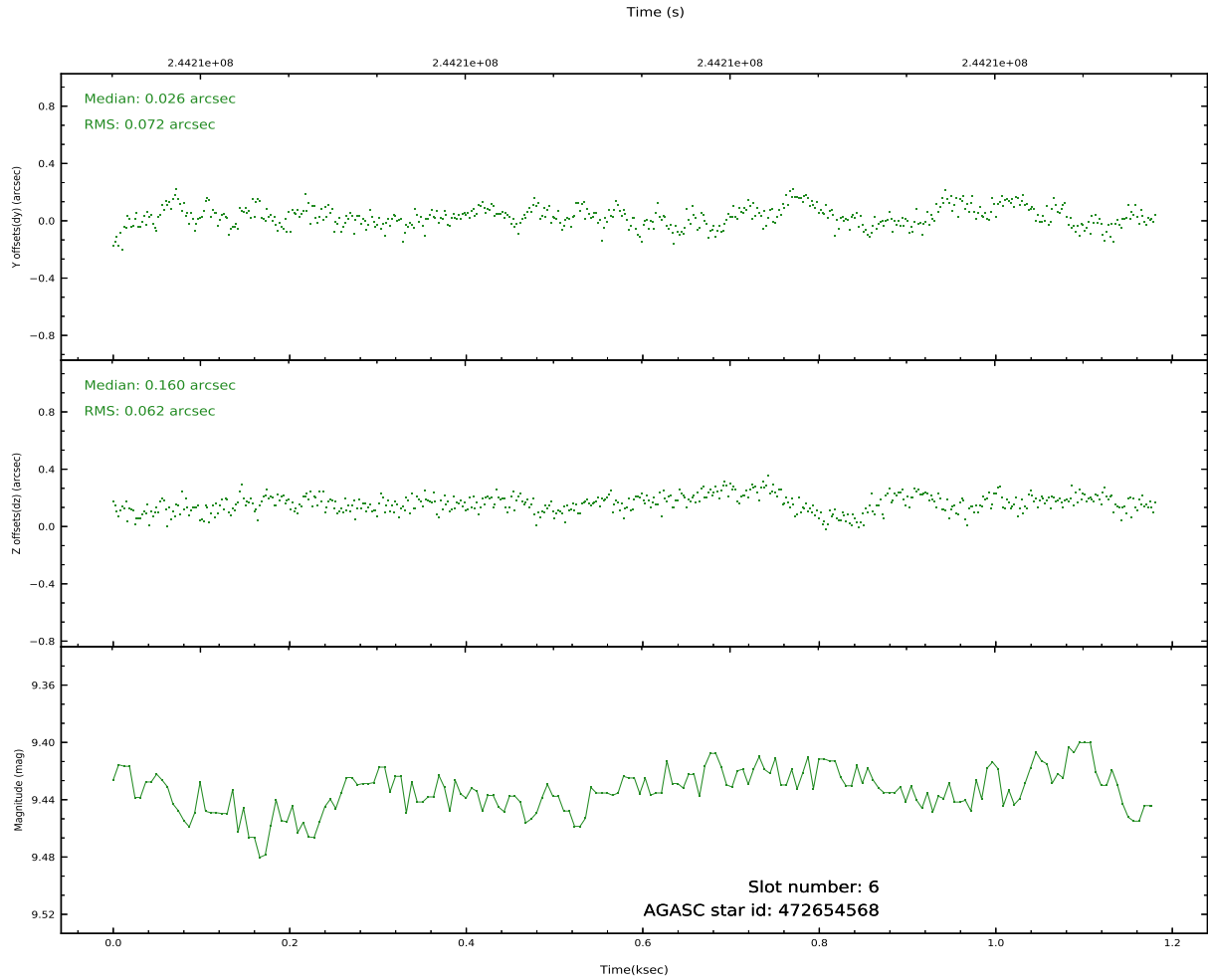
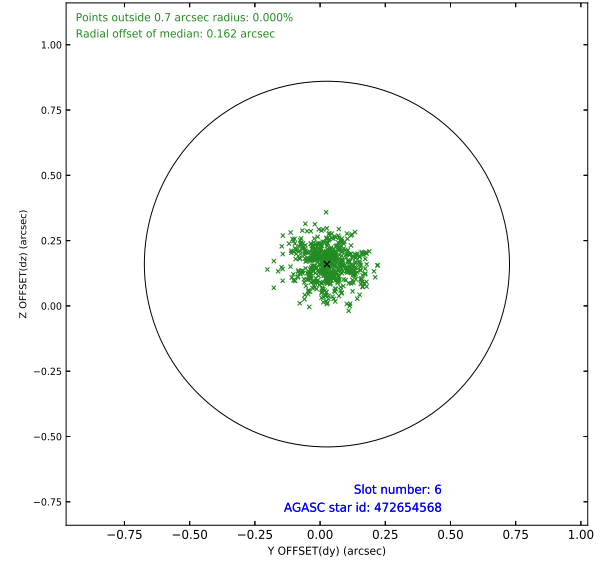
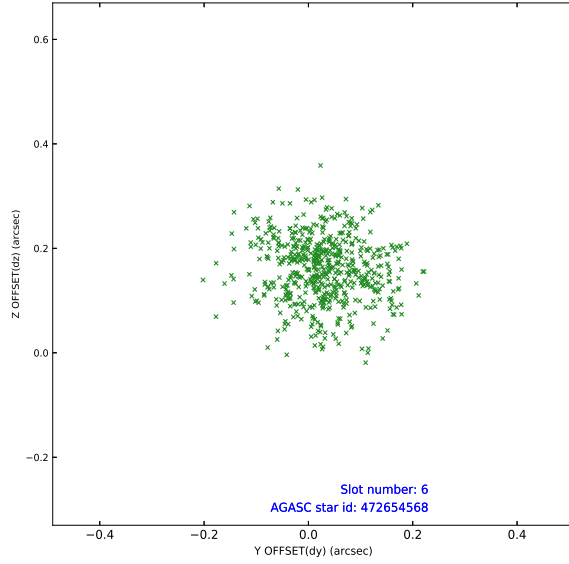
## 2.4.2 Slot 4



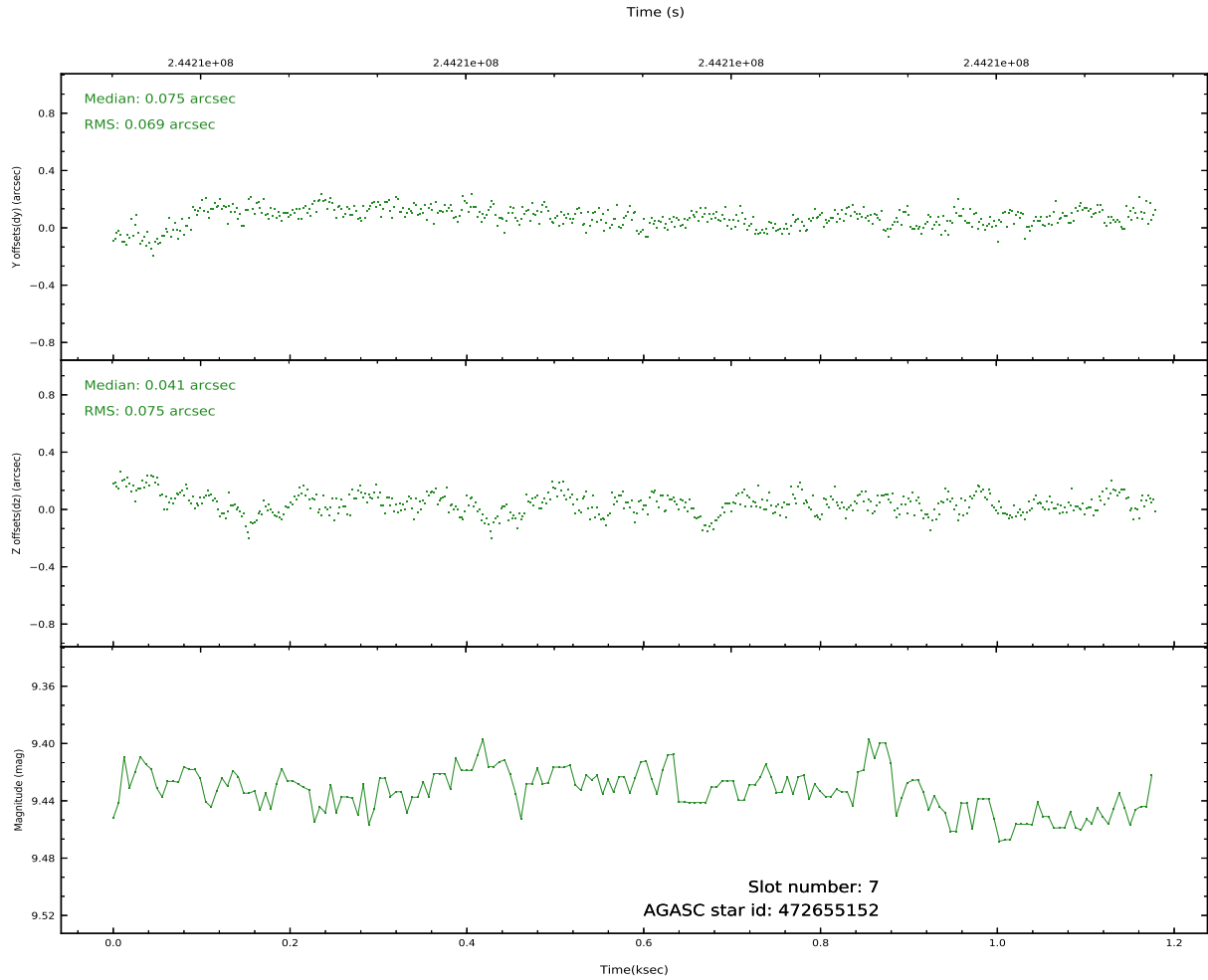
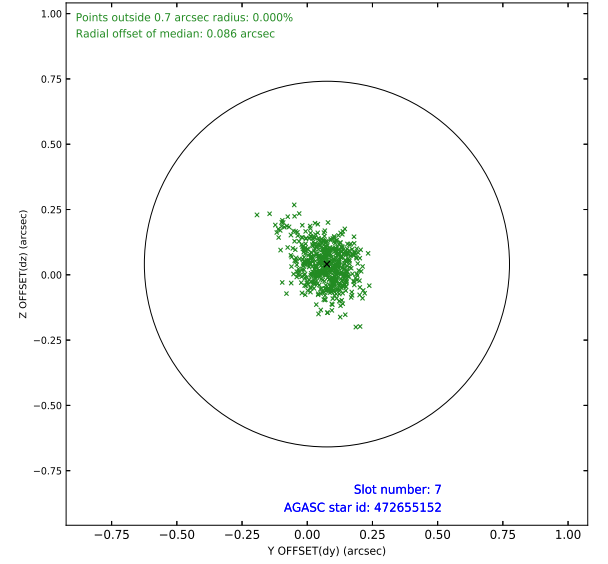
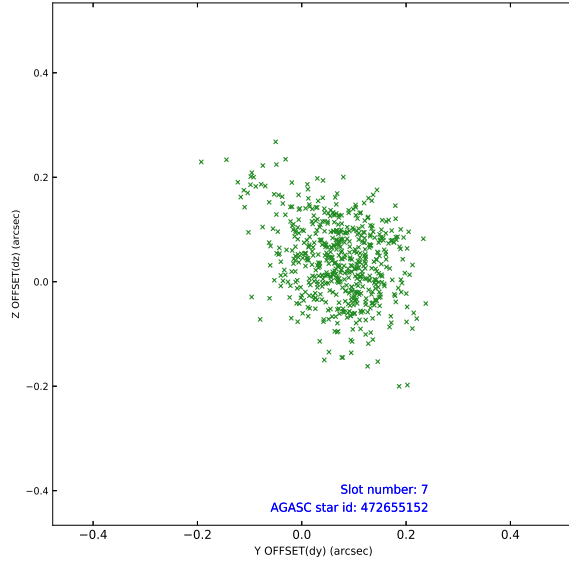
### 2.4.3 Slot 5



## 2.4.4 Slot 6

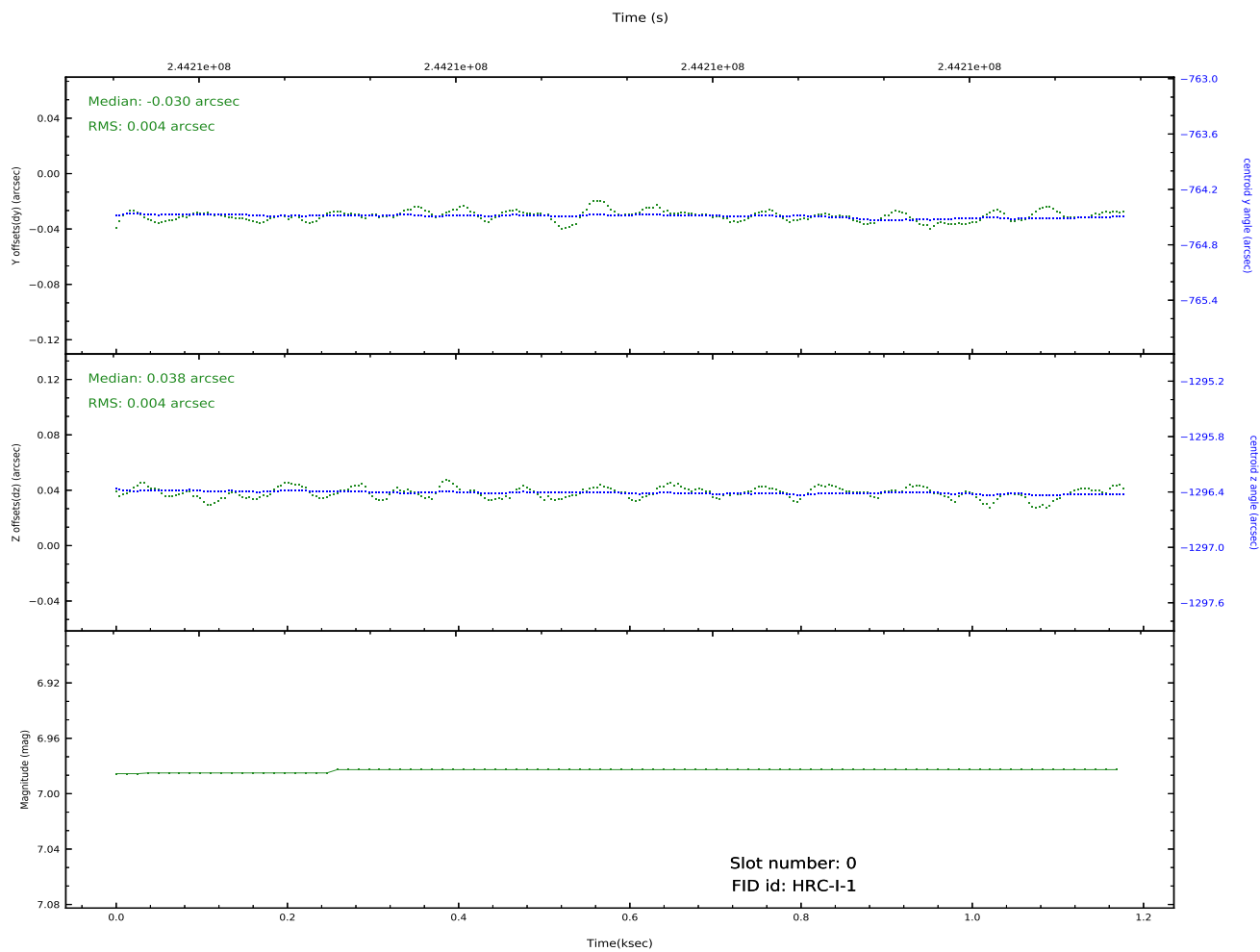
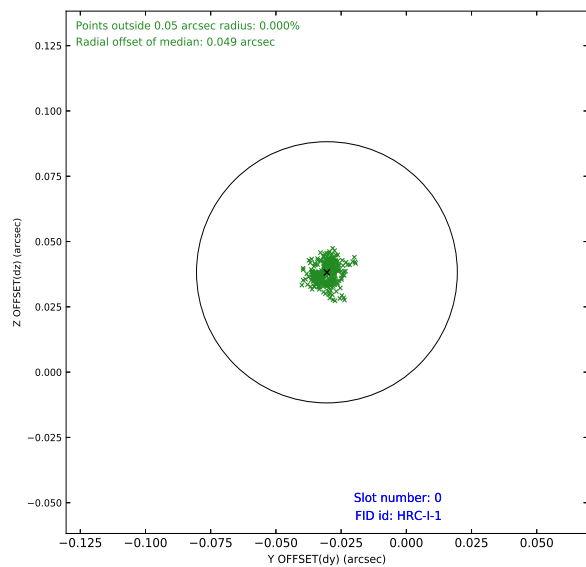
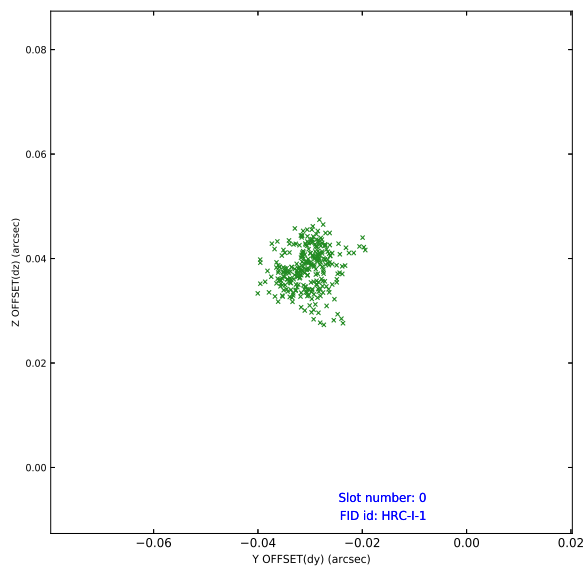


## 2.4.5 Slot 7

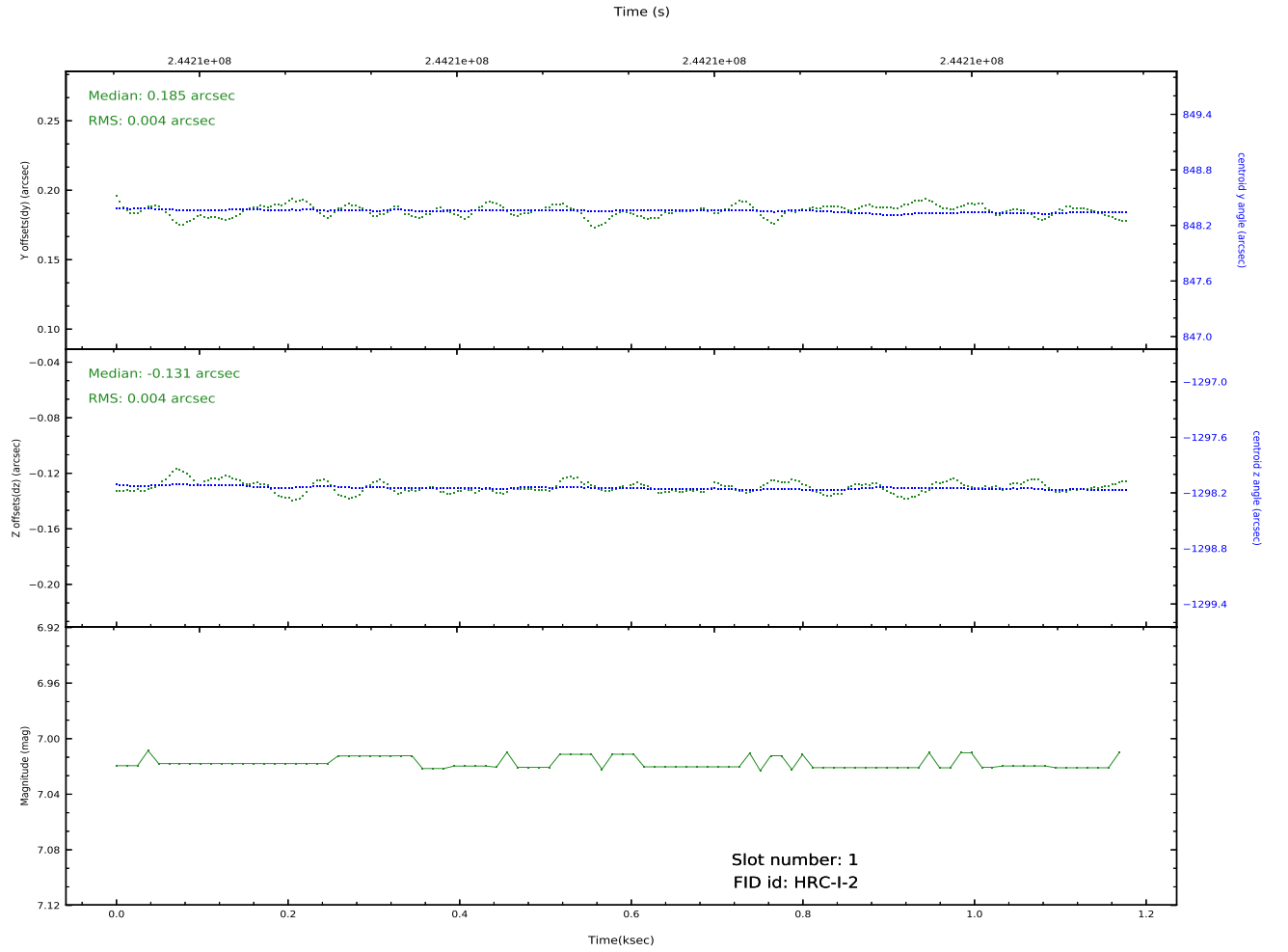
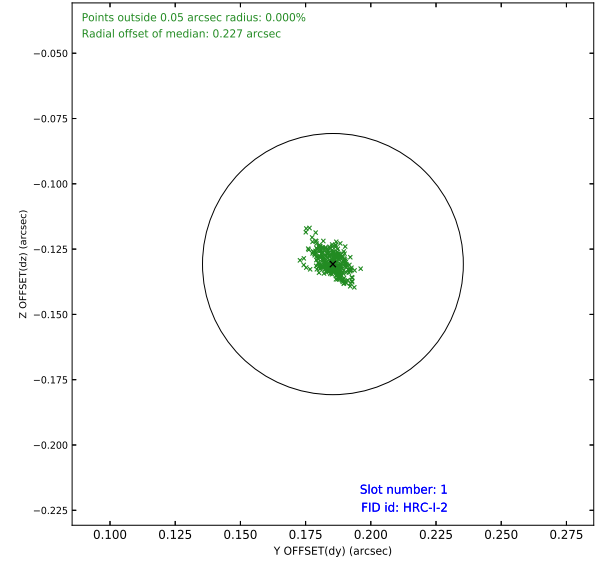
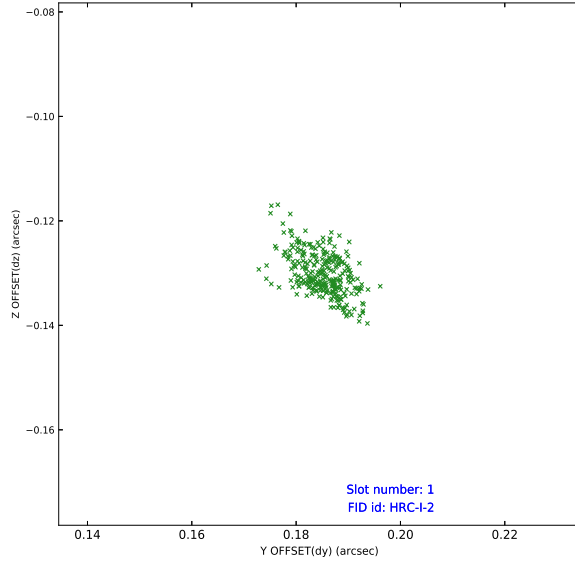


## 2.5 FID Slots

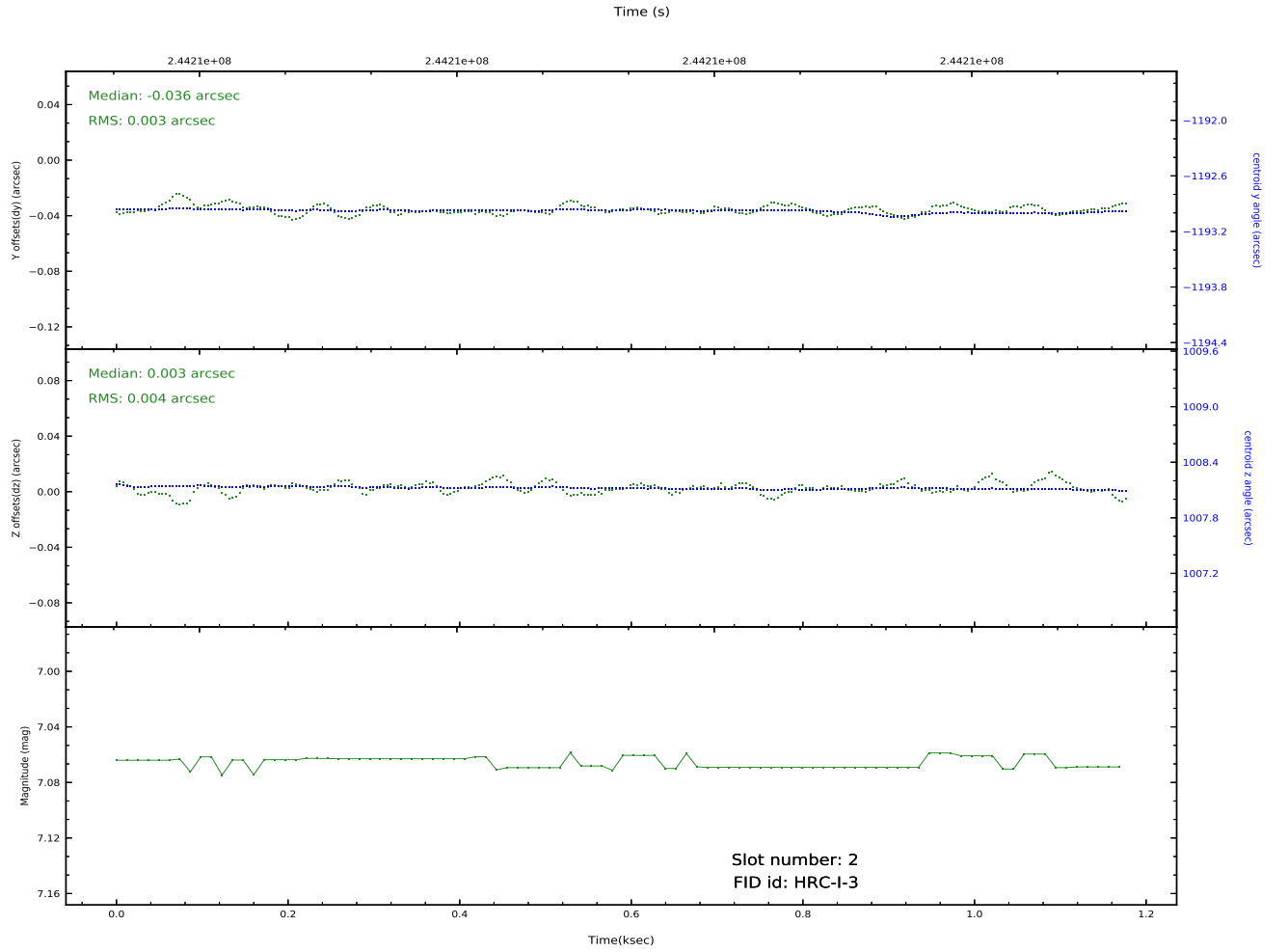
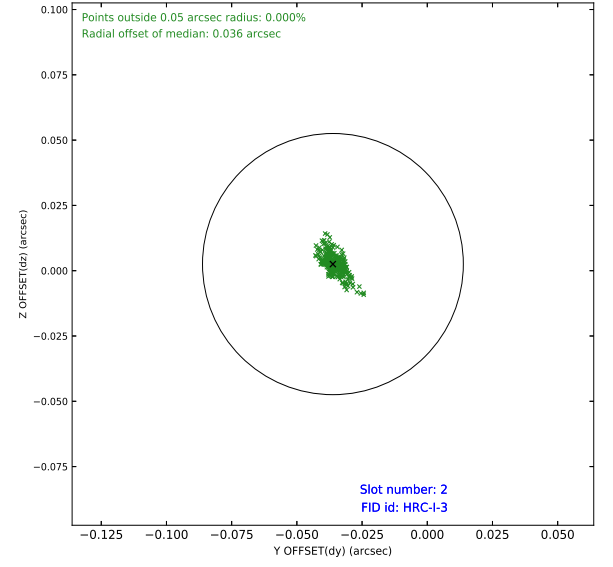
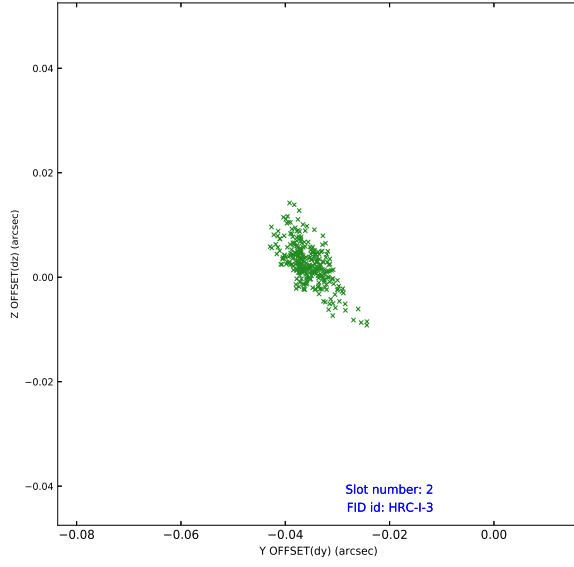
### 2.5.1 Slot 0



## 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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.179775

### **A.2 Comments**