

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 5995 - L2 Version 5  
Chandra X-Ray Center

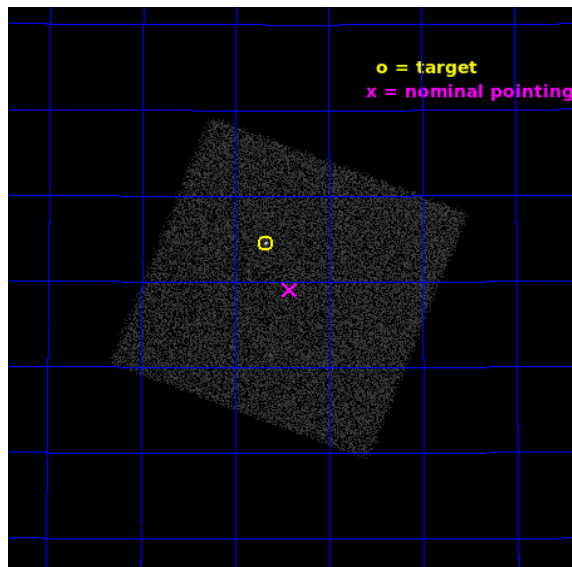
L2 Processing Date : Oct 10 2020

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# 1 Front

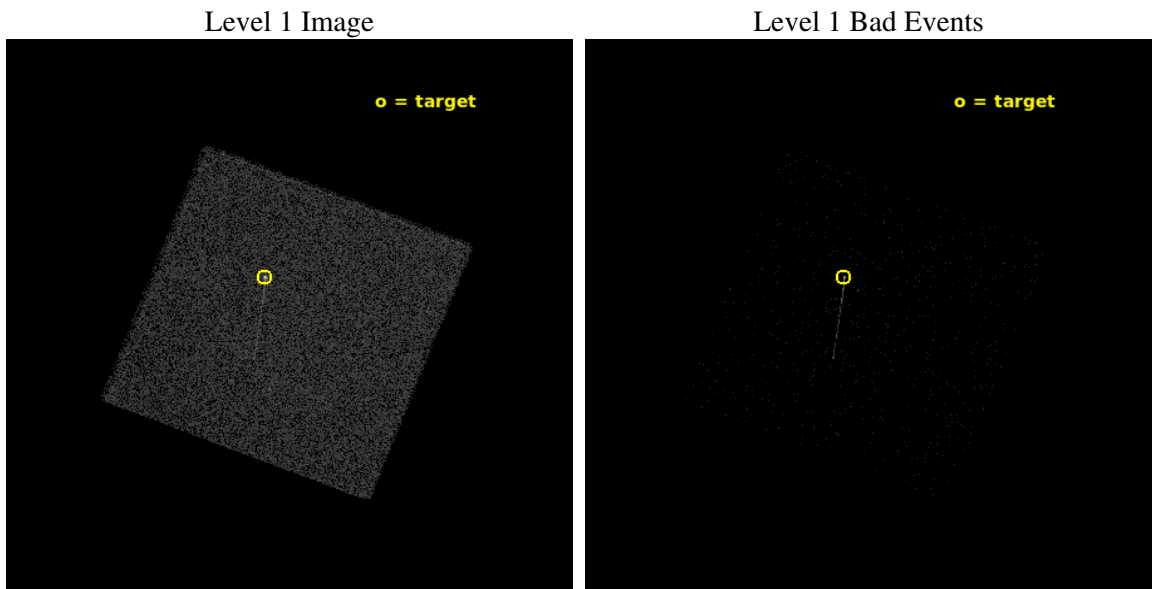
seq_num	290487	Sequence number
obs_id	5995	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10448294825	Nominal RA [deg]
dec_nom	45.651247133333	Nominal Dec [deg]
roll_nom	246.37794931987	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1180.0313043594	[s]
livetime	1171.1493817347	Ontime multiplied by DTCOR
l2events	50214	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	1180.0313043594	[s]
caldsver	4.9.2	&#160	l1events	93638	Number of level 1 events
date	2020-10-11T02:48:33	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

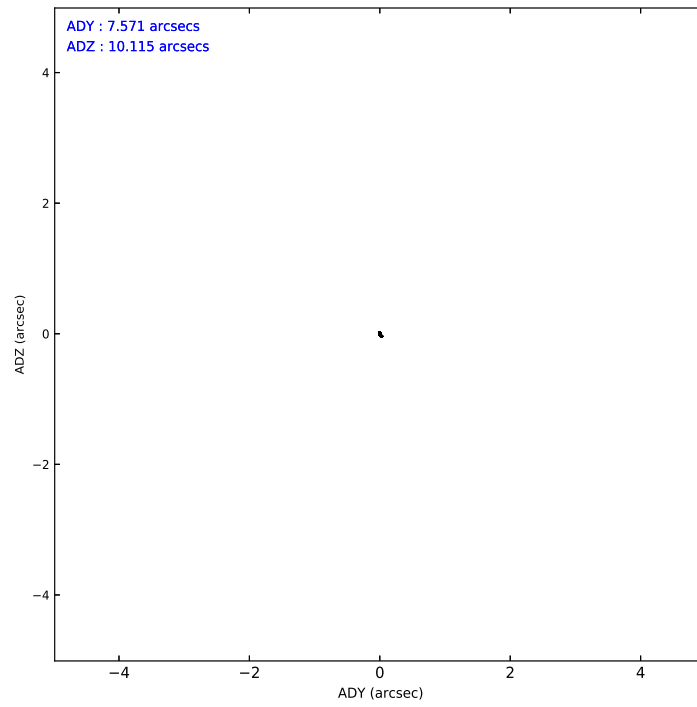
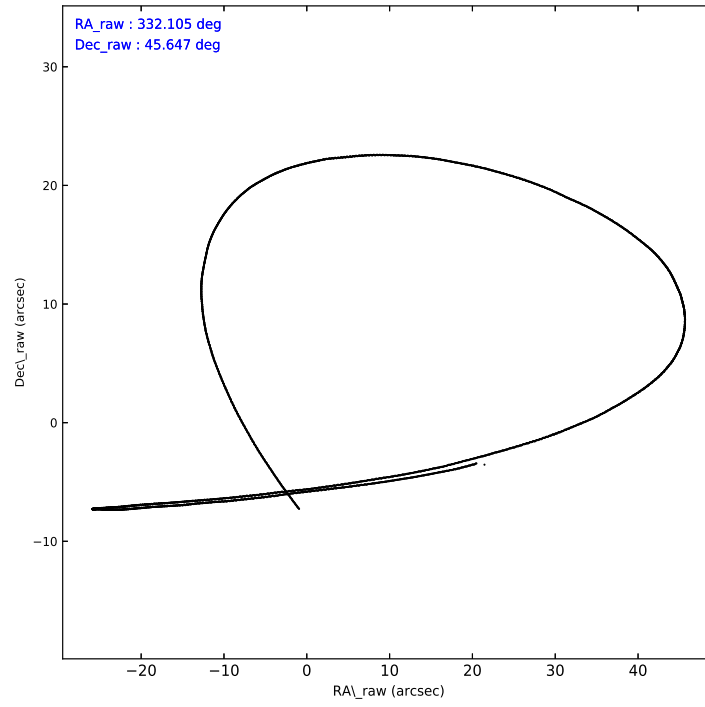
	<b>segment 0</b>
level 1 events	93638
rejected events	20510
rejected %	21%

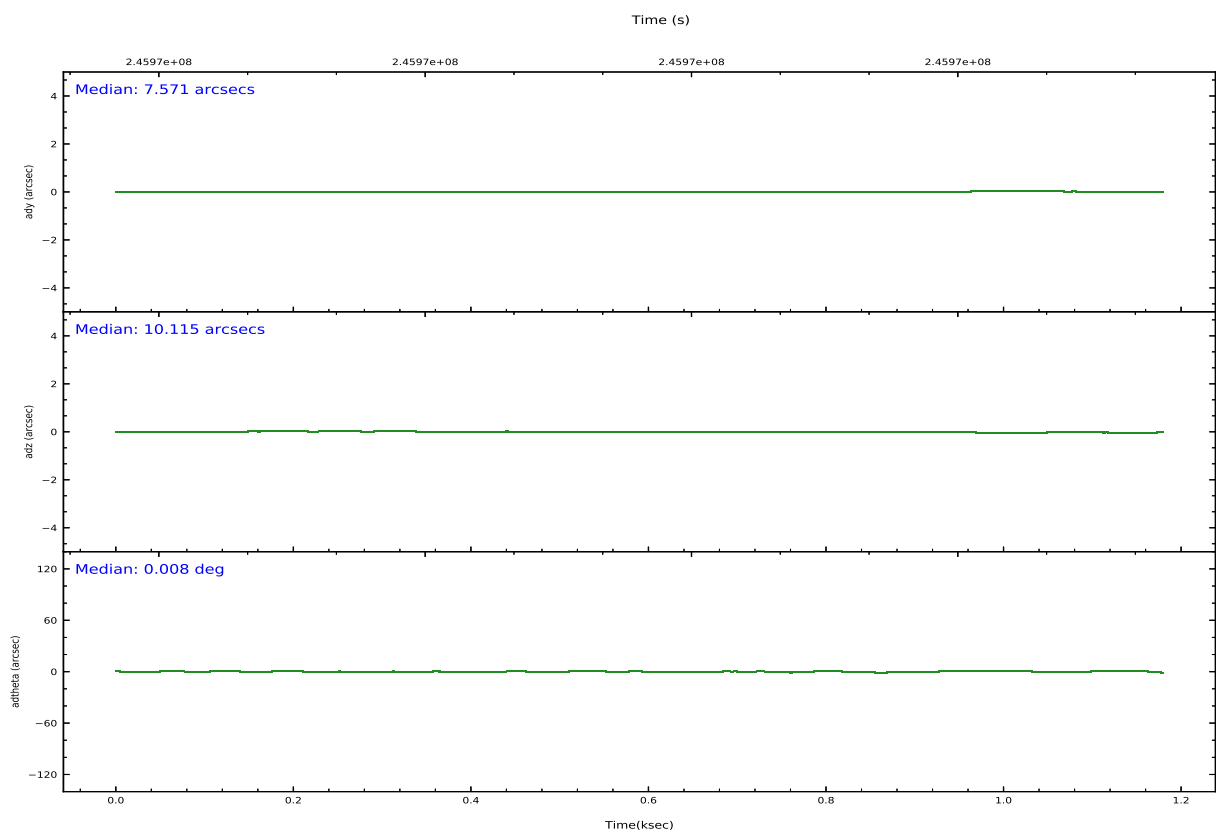
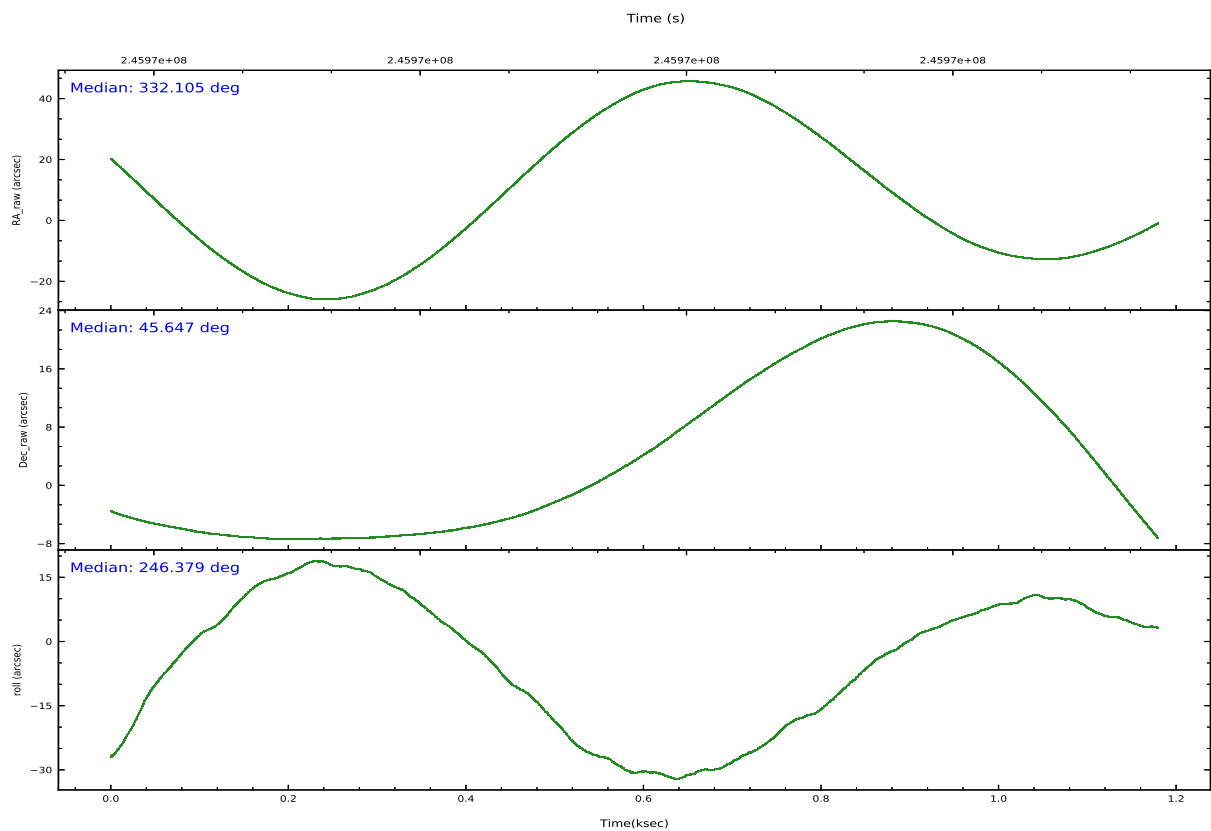
## 2.2 Compared Parameters

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	332.103296	332.10448294825
[deg] Pointing Dec	45.674602	45.651247133333
[deg] Pointing Roll	246.485942	246.37794931987
[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)	245974131.184000	245973755.34128
Observation start date	2005-10-17T22:07:47	2005-10-17T22:02:35
[s] Observation end time (MET)	245975131.184000	245975265.67885
Observation end date	2005-10-17T22:24:27	2005-10-17T22:27:45

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

## 2.3 Aspect





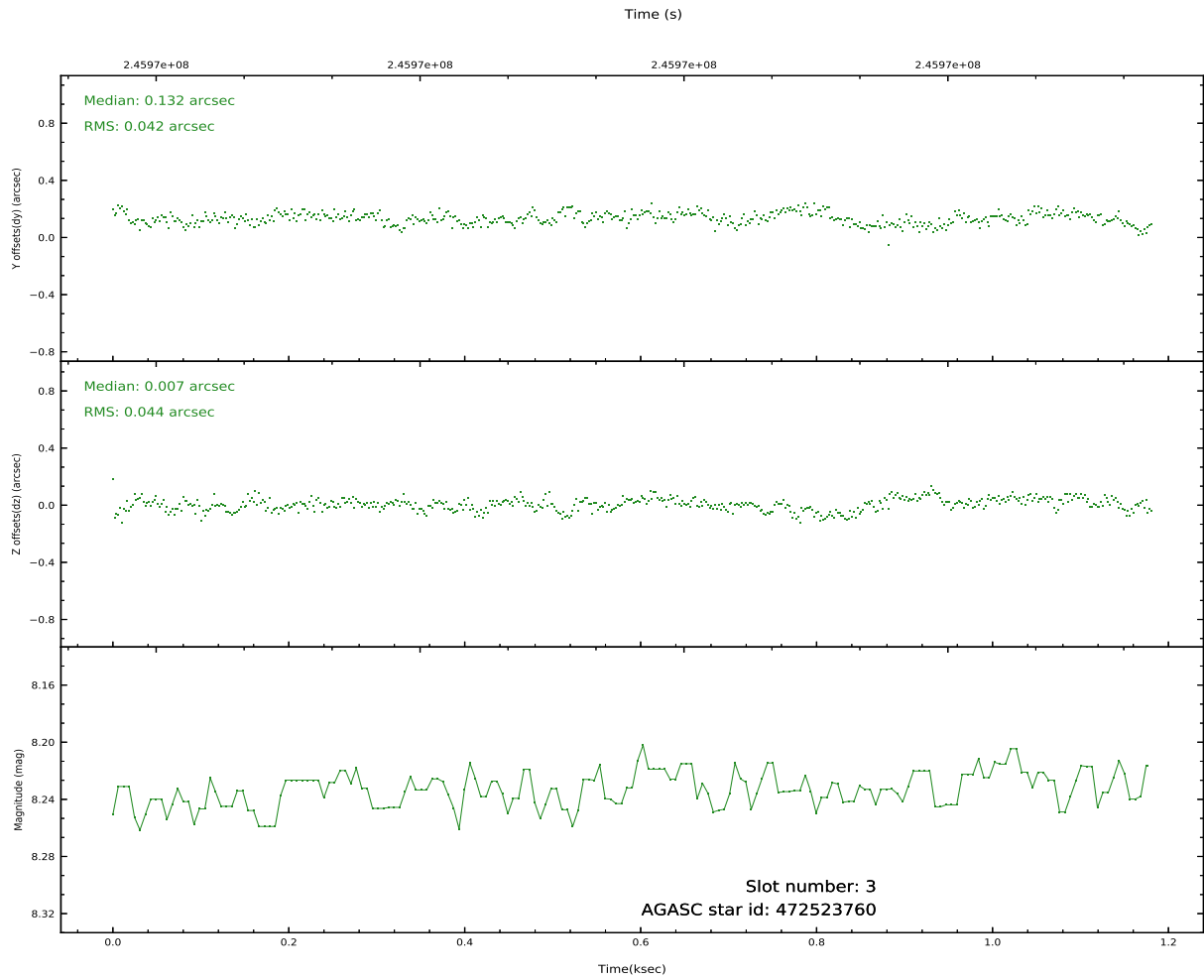
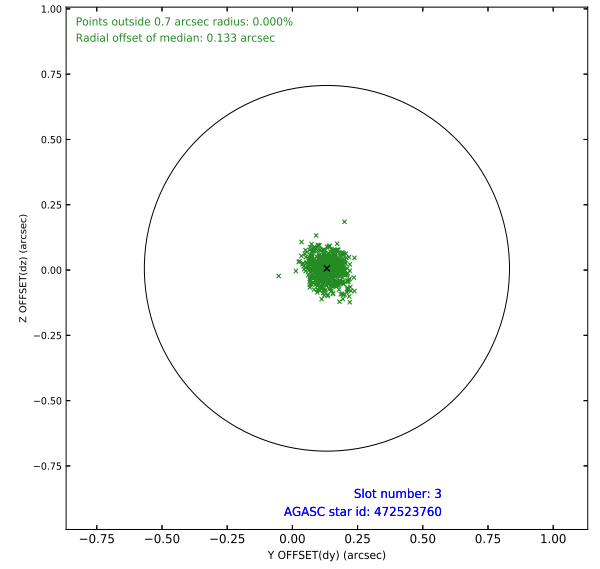
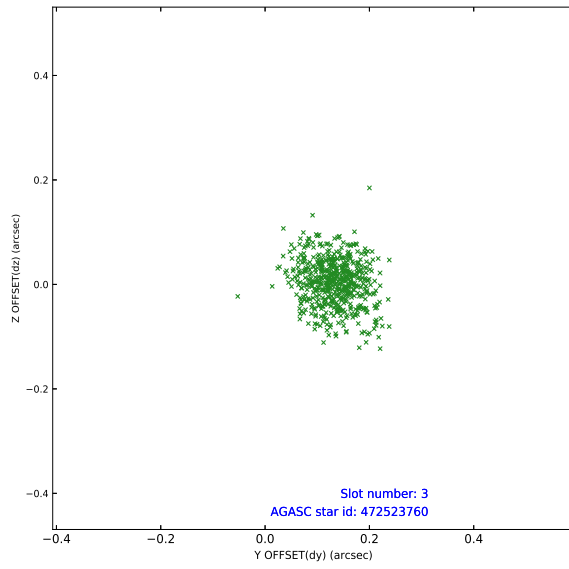
Slot Statistics

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	7.02	288	1.000	-0.051	-0.003	0.006	0.012	0.000000	0.000000	-763.20	-1298
1	FID		HRC-I-2	7.05	288	1.000	0.161	-0.071	0.006	0.009	0.000000	0.000000	846.99	-1304
2	FID		HRC-I-3	7.10	288	1.000	0.009	-0.015	0.006	0.009	0.000000	0.000000	-1188.72	1001
3	GUIDE	used	472523760	8.23	577	1.000	0.132	0.007	0.066	0.108	331.645363	45.403260	1354.48	-669
4	GUIDE	used	472525528	6.65	577	1.000	0.104	0.114	0.075	0.120	331.551102	45.248694	1962.12	-670
5	GUIDE	used	472533912	9.15	577	1.000	-0.095	-0.075	0.111	0.183	331.791136	46.368695	-1980.16	-1706
6	GUIDE	used	472535576	7.85	577	1.000	-0.159	-0.001	0.068	0.112	331.438373	46.291802	-1387.63	-2405
7	GUIDE	used	472655152	9.41	576	1.000	0.014	-0.043	0.117	0.253	332.504239	45.862991	-1027.80	649

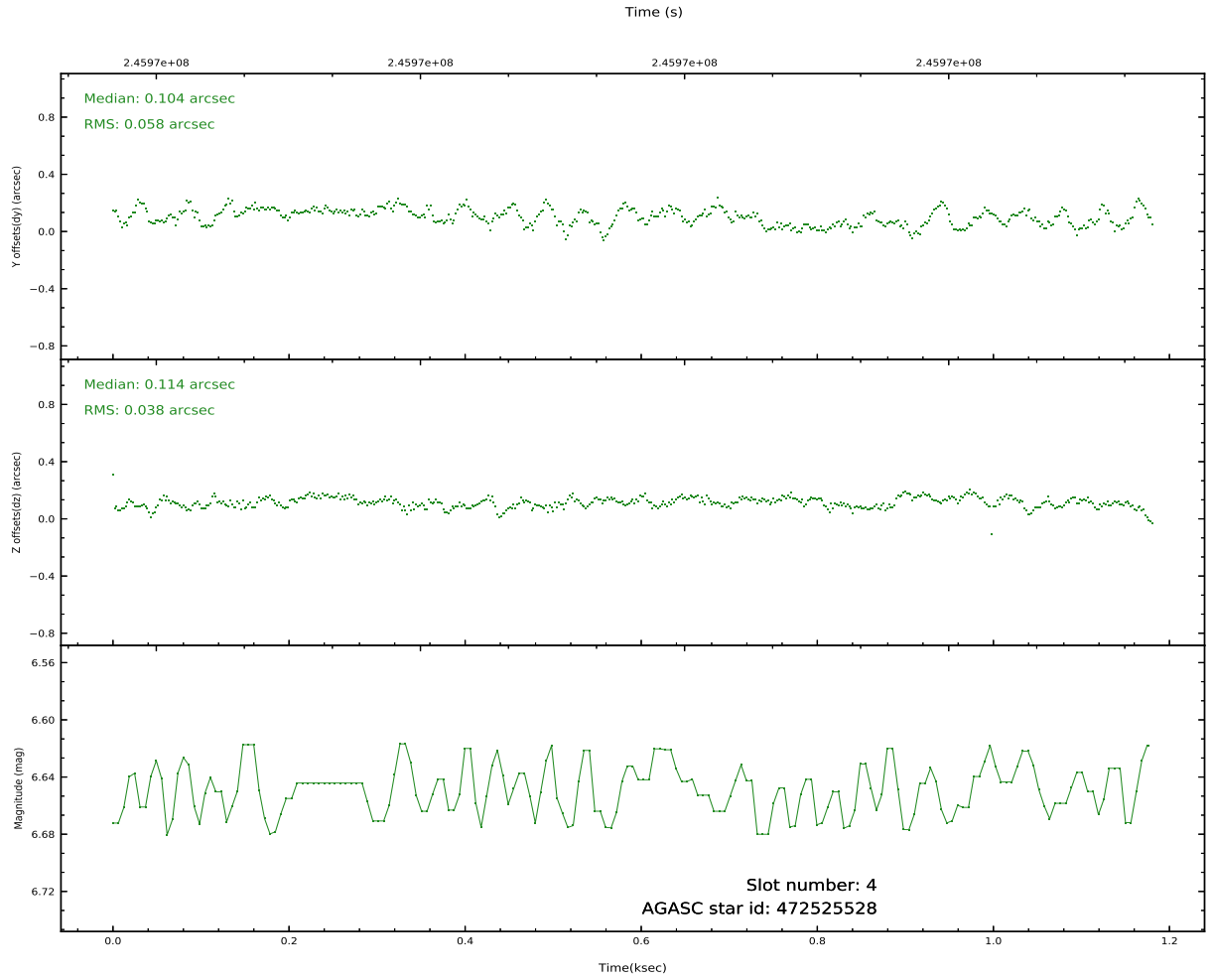
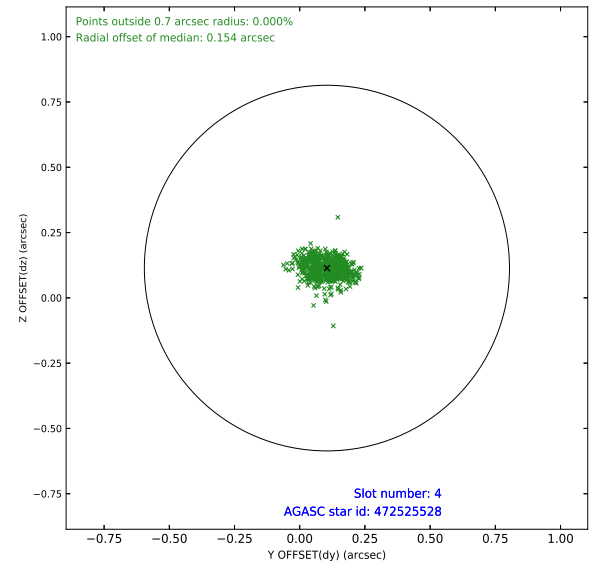
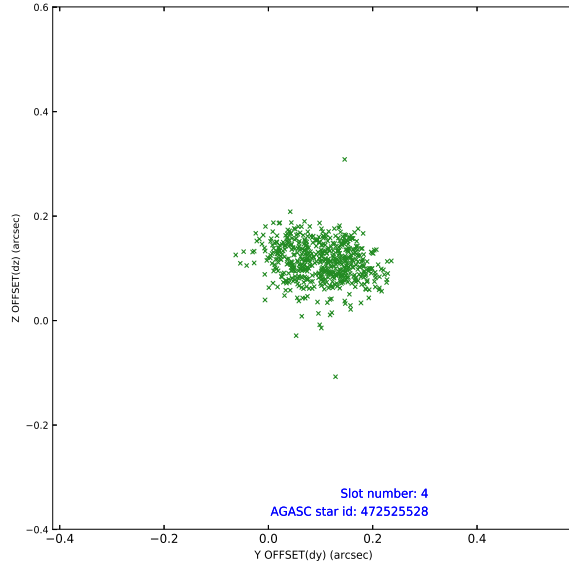


## 2.4 Star Slots

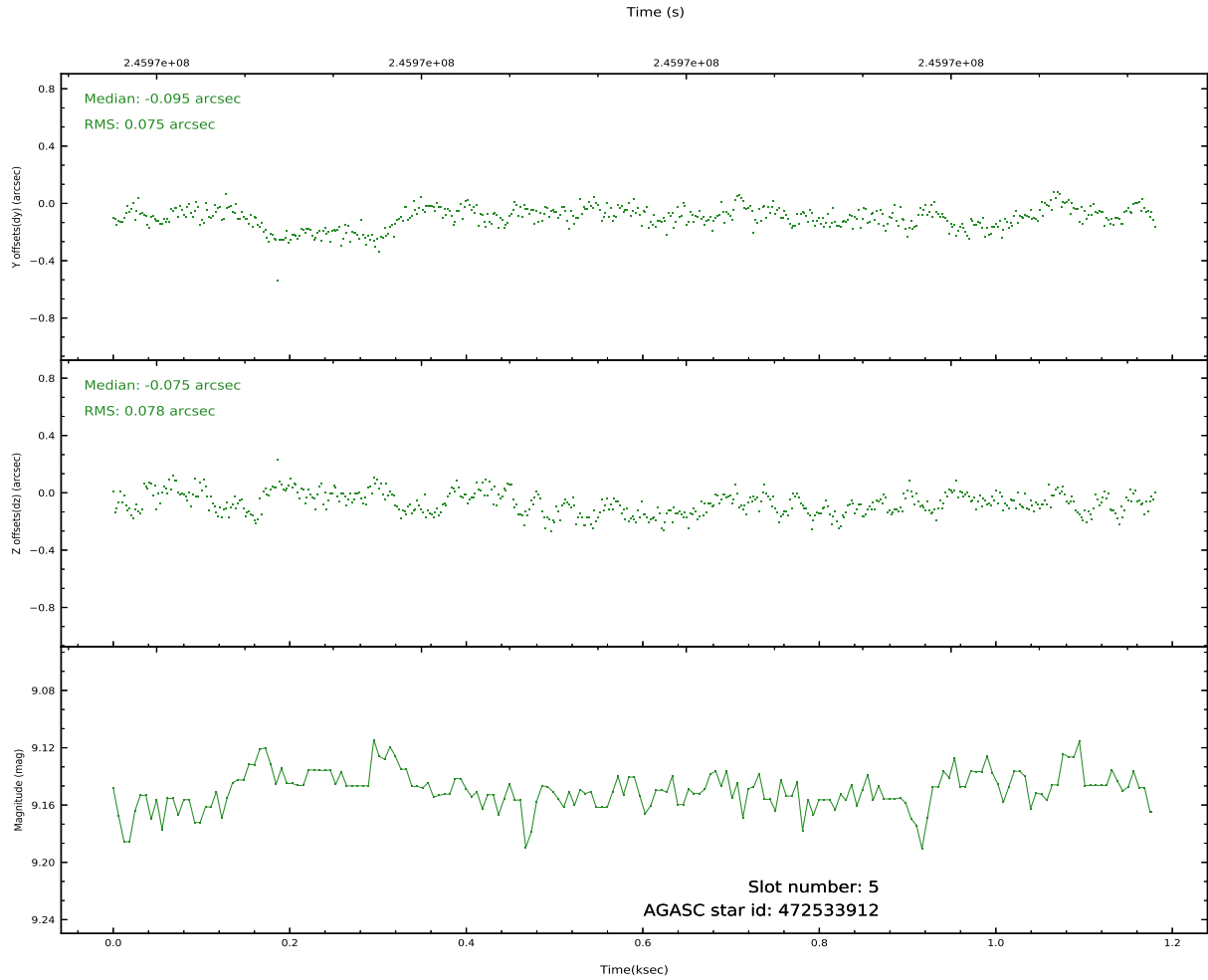
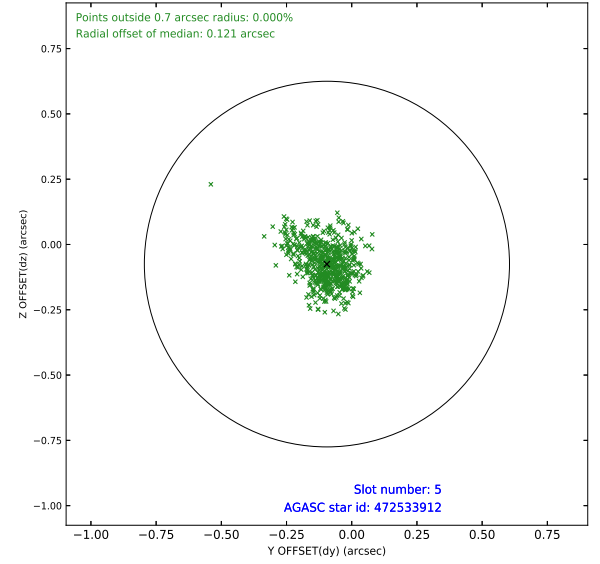
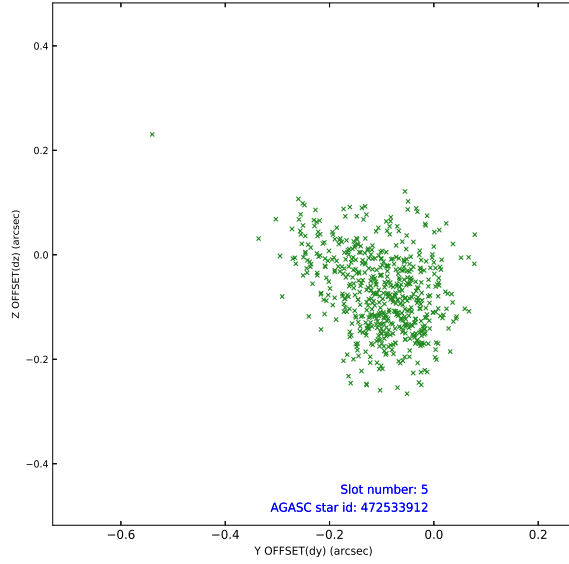
### 2.4.1 Slot 3



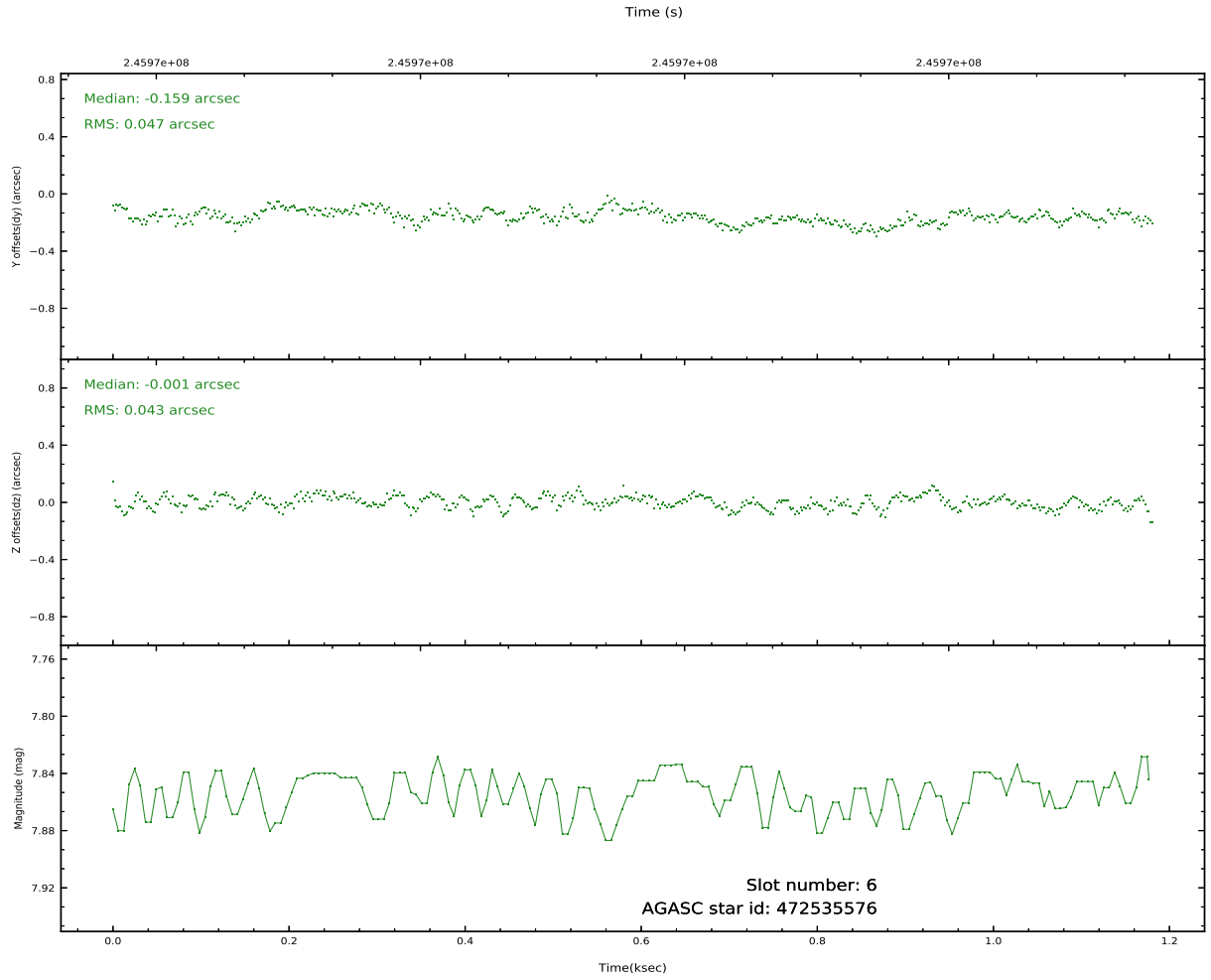
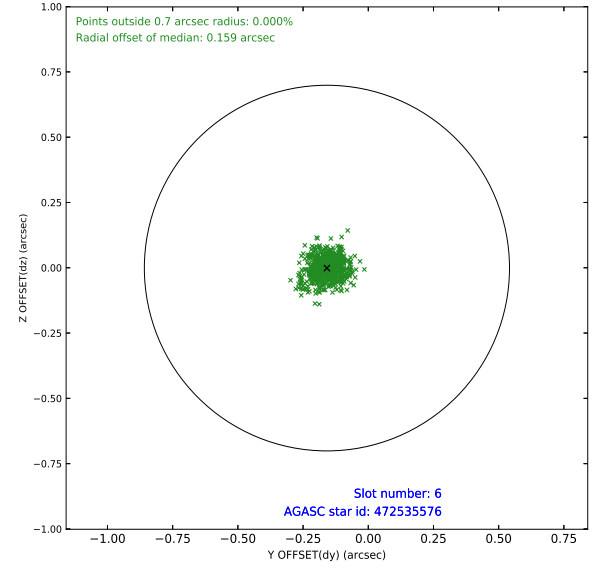
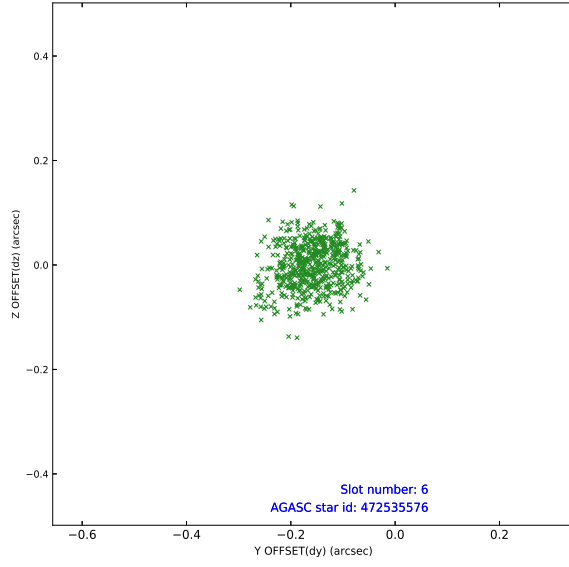
## 2.4.2 Slot 4



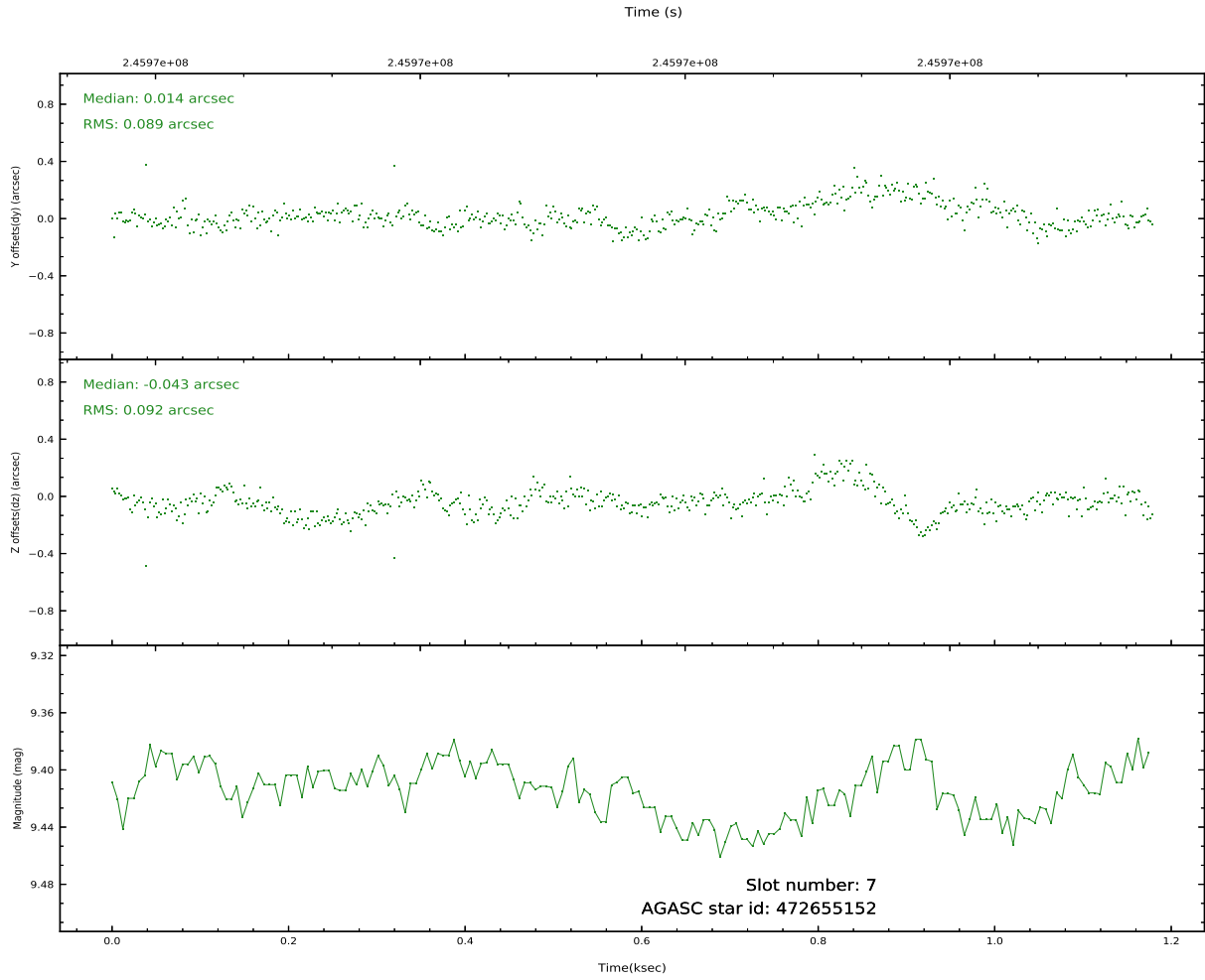
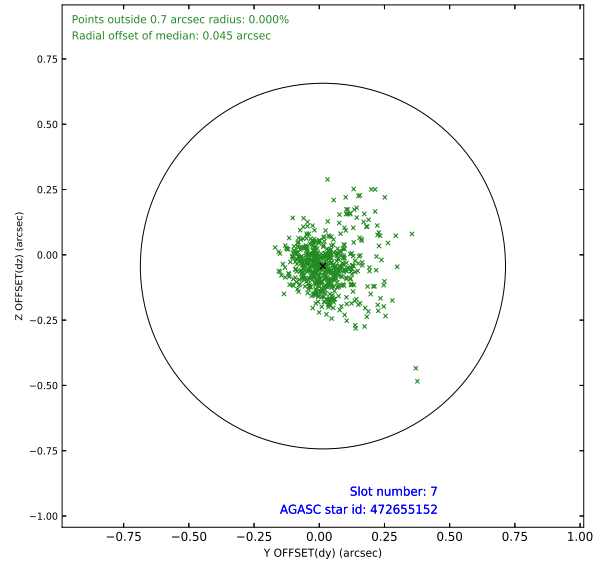
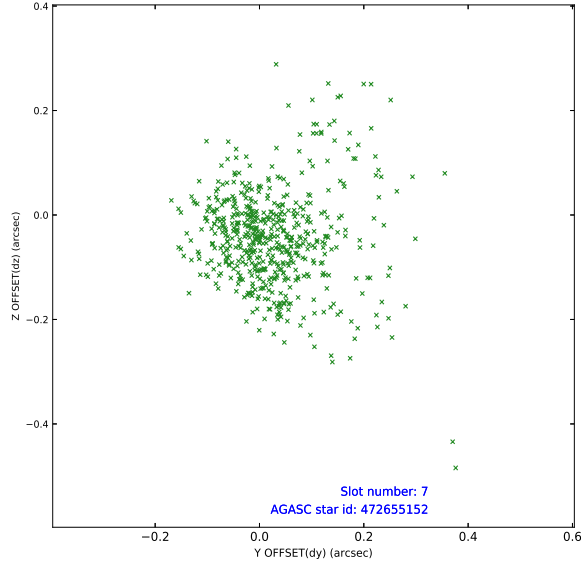
### 2.4.3 Slot 5



## 2.4.4 Slot 6

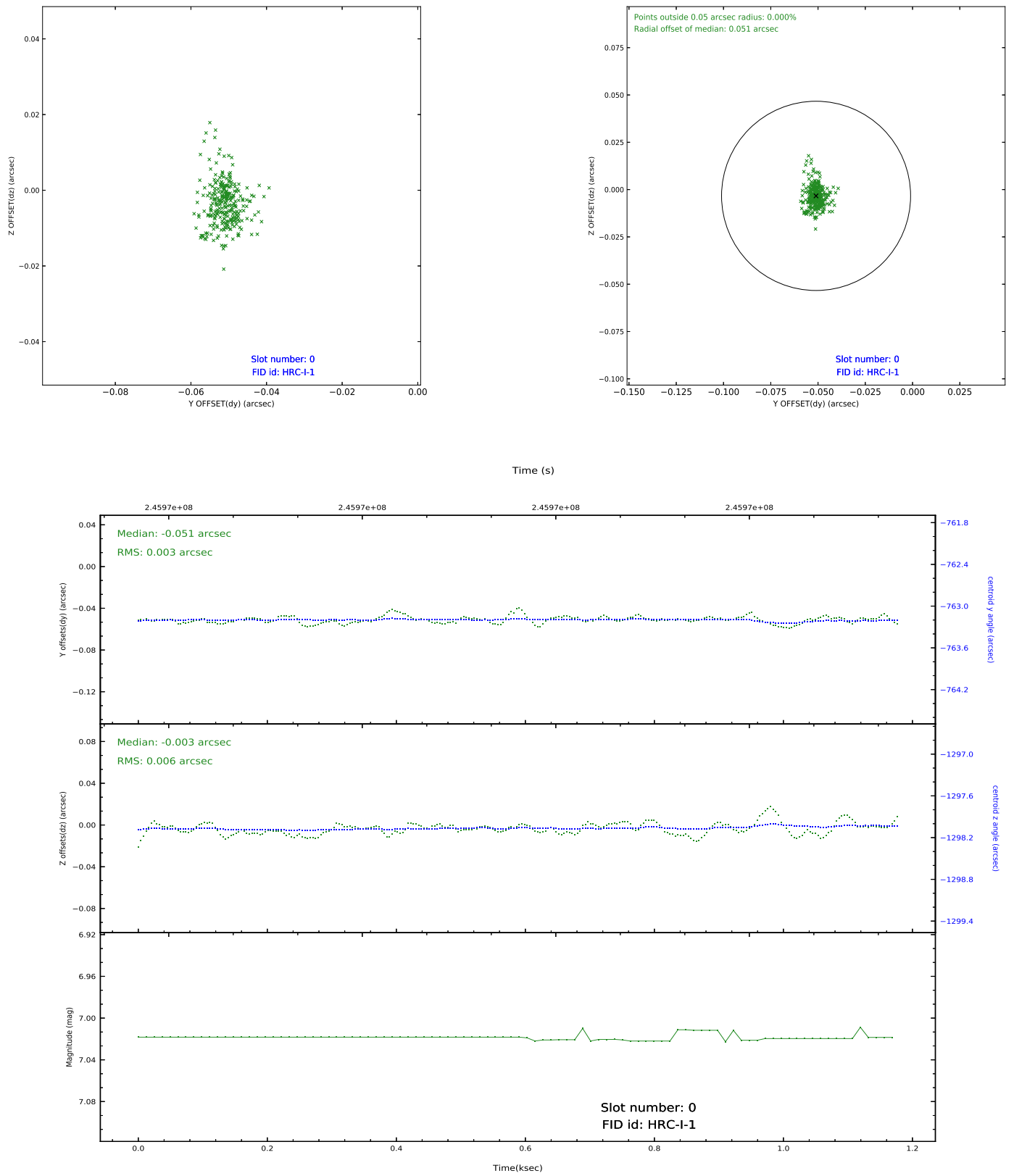


## 2.4.5 Slot 7

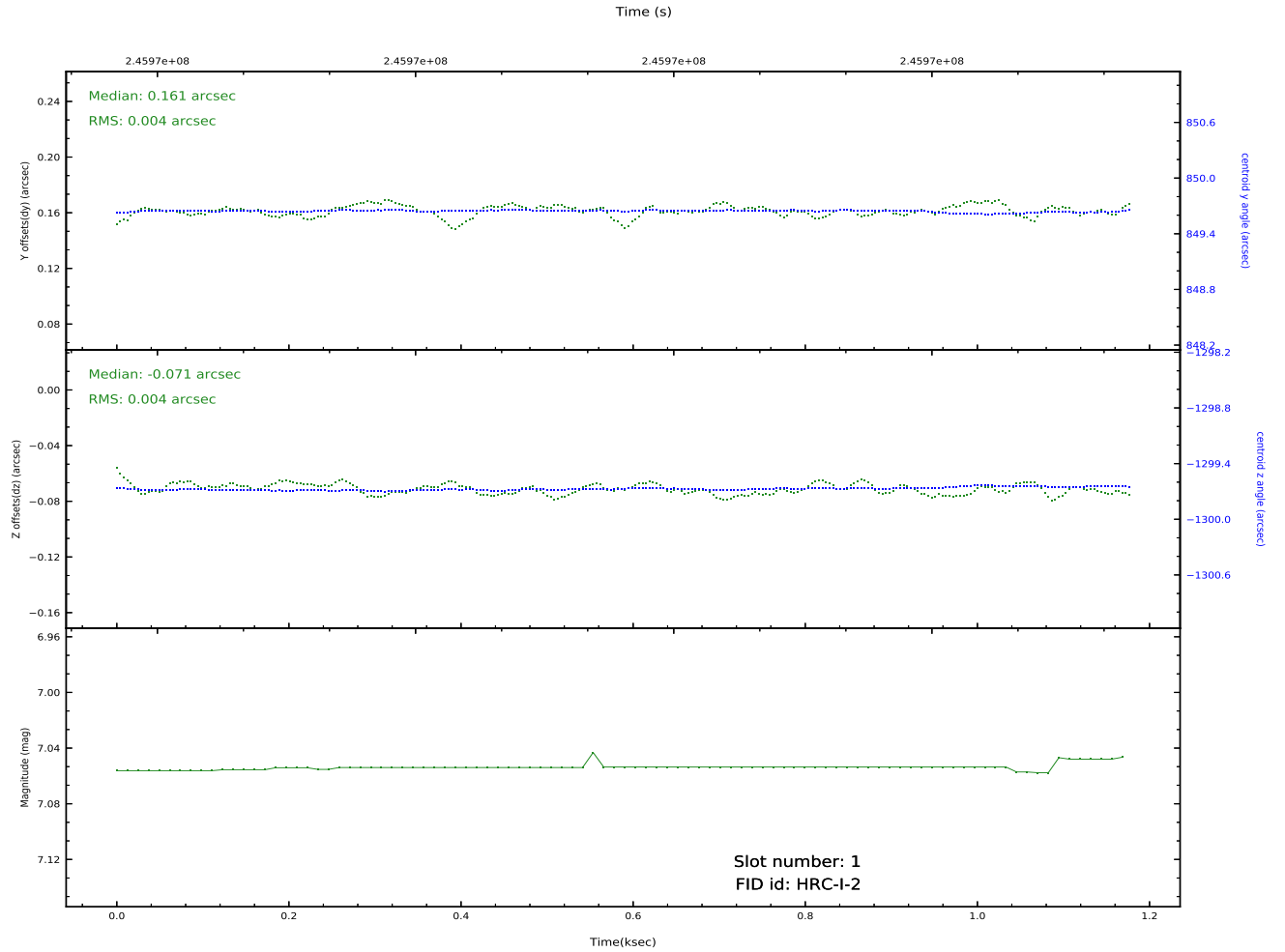
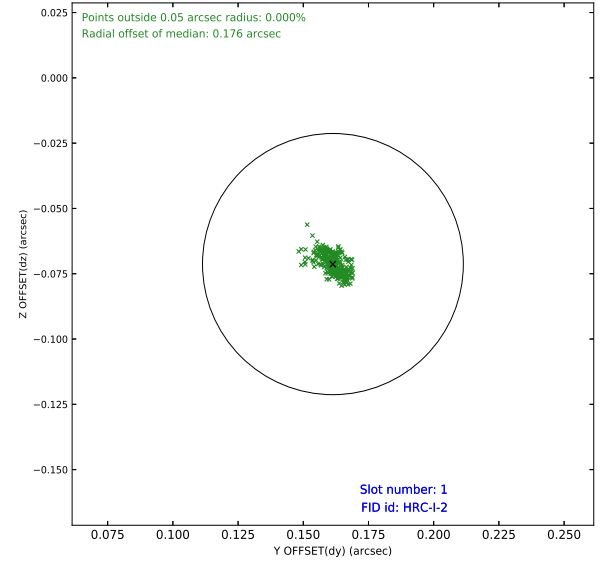
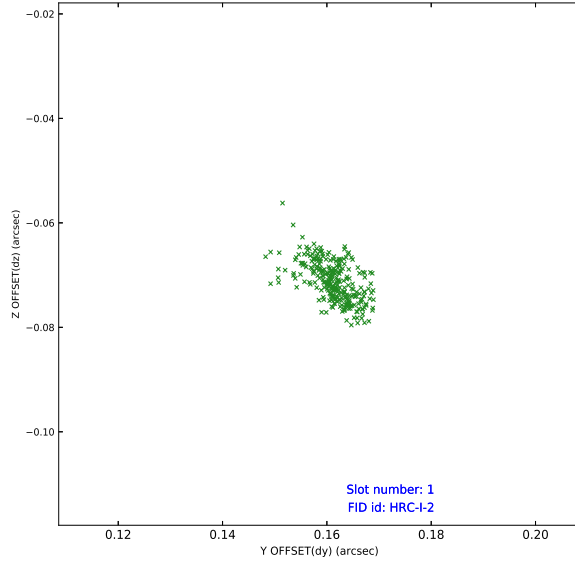


## 2.5 FID Slots

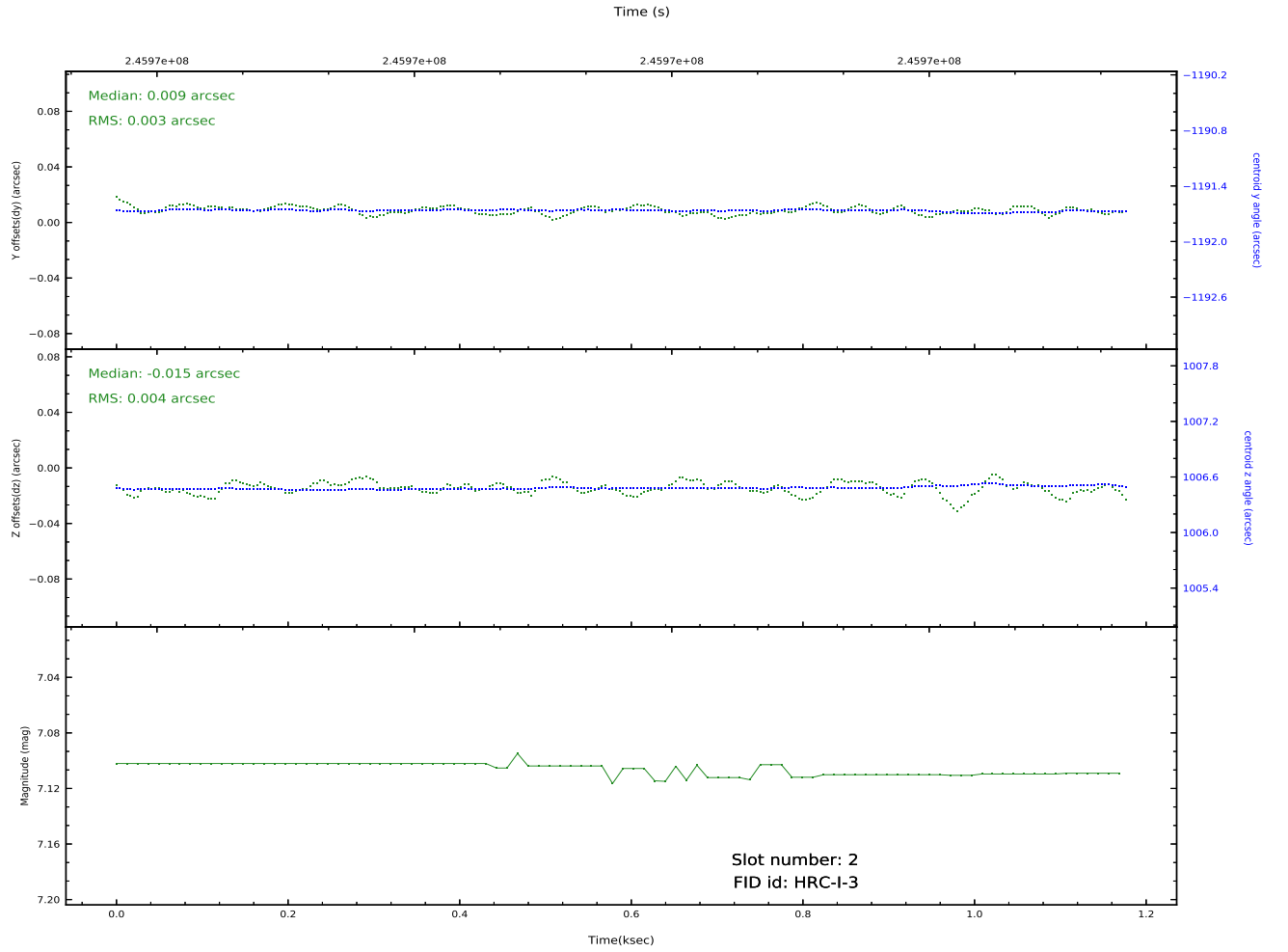
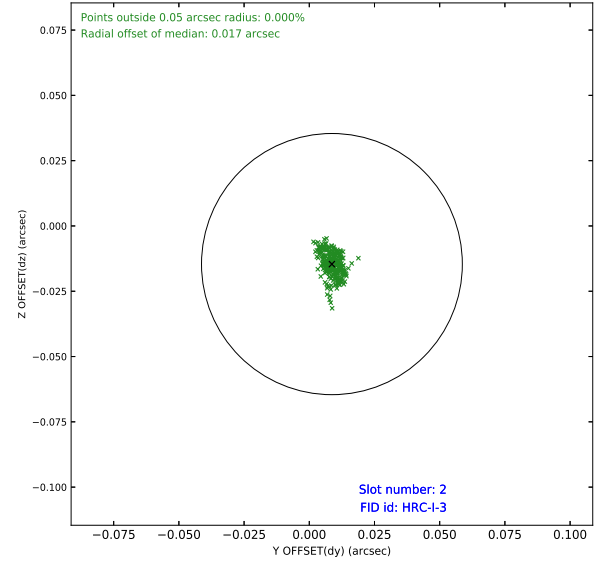
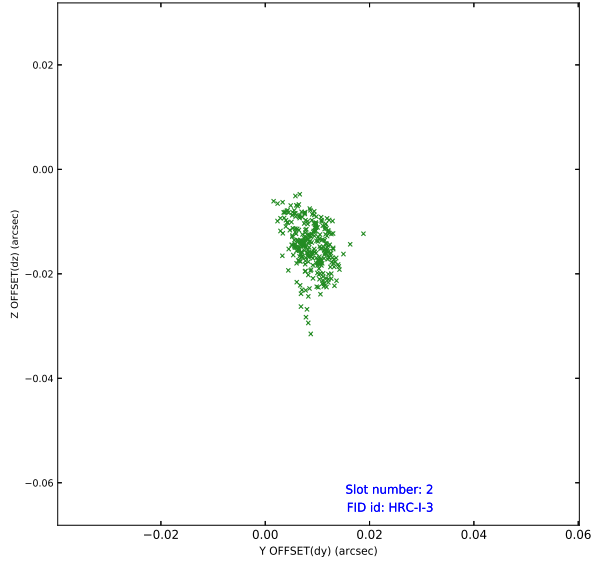
### 2.5.1 Slot 0



## 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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.180031

### A.2 Comments