

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20665 - L2 Version 2
Chandra X-Ray Center

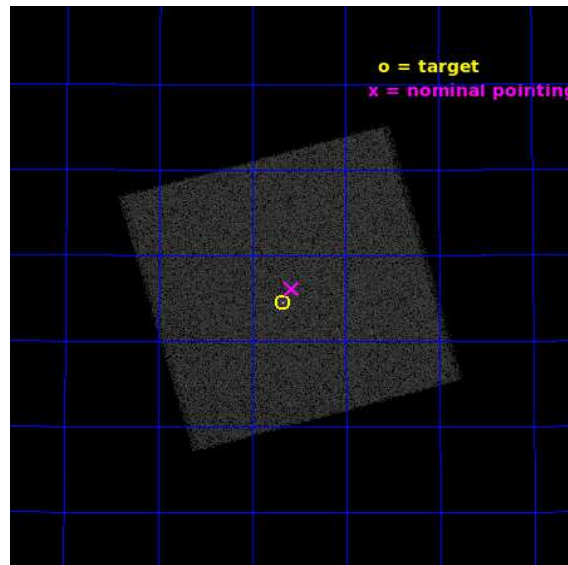
L2 Processing Date : Oct 27 2020

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1 Front

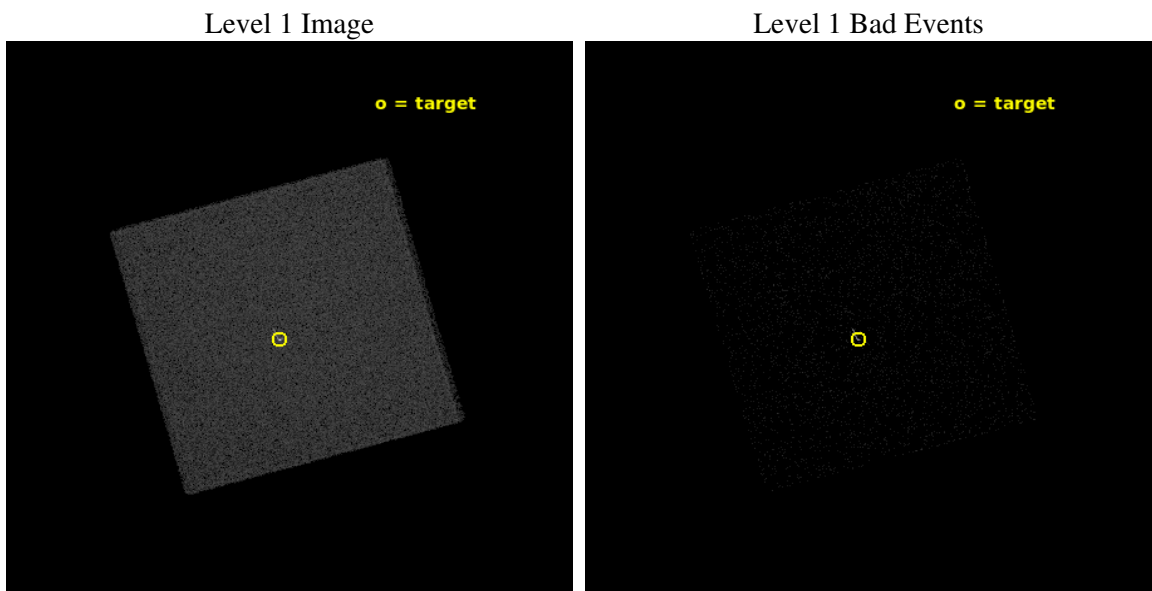
seq_num	291376	Sequence number
obs_id	20665	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14412823145	Nominal RA [deg]
dec_nom	45.769133000437	Nominal Dec [deg]
roll_nom	209.35390248647	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1182.0813202858	[s]
livetime	1165.2750441759	Ontime multiplied by DTCOR
l2events	146847	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	10.9.2	Processing system revision	ontime	1182.0813202858	[s]
caldbver	4.9.3	 	l1events	244788	Number of level 1 events
date	2020-10-27T19:08:31	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

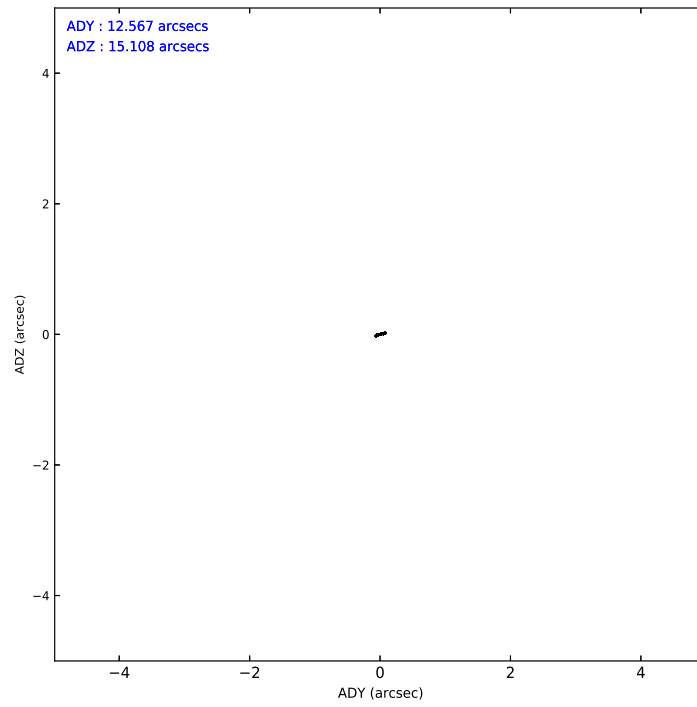
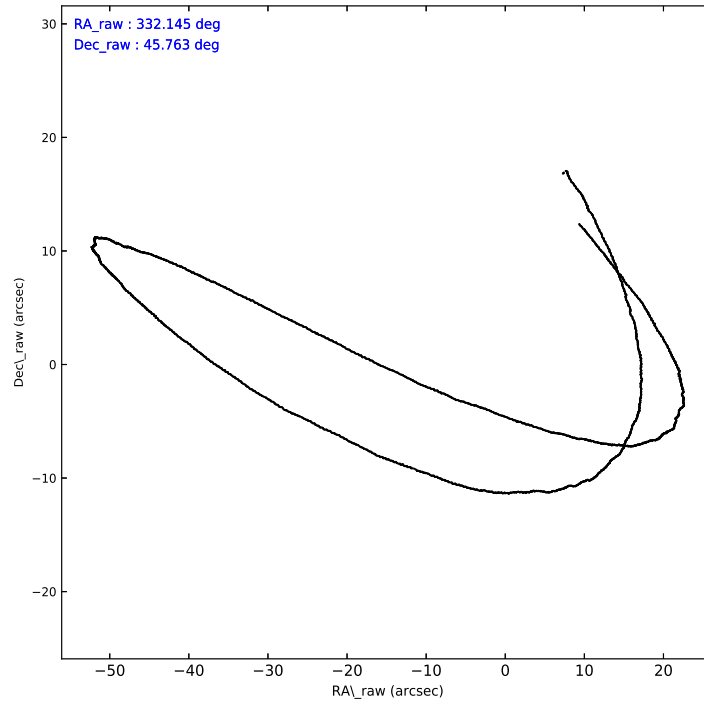
	segment 0
level 1 events	244788
rejected events	52977
rejected %	21%

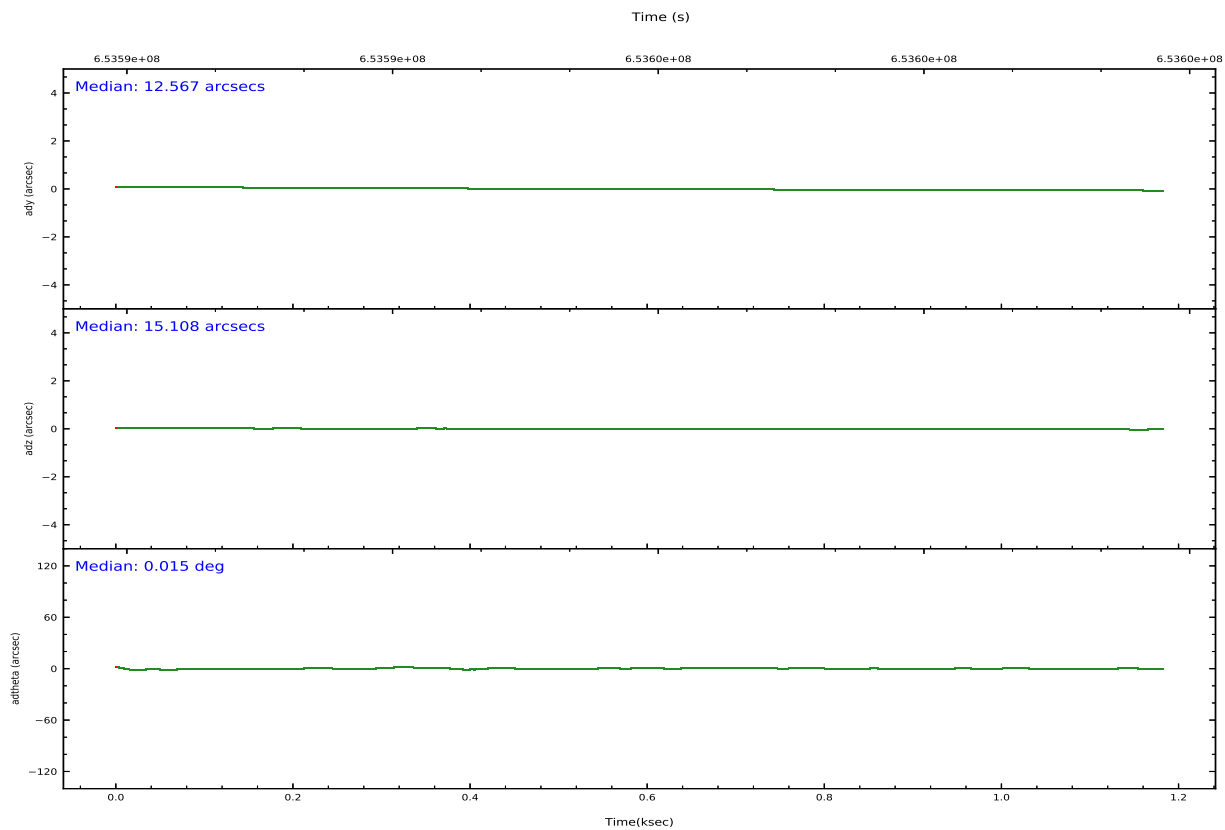
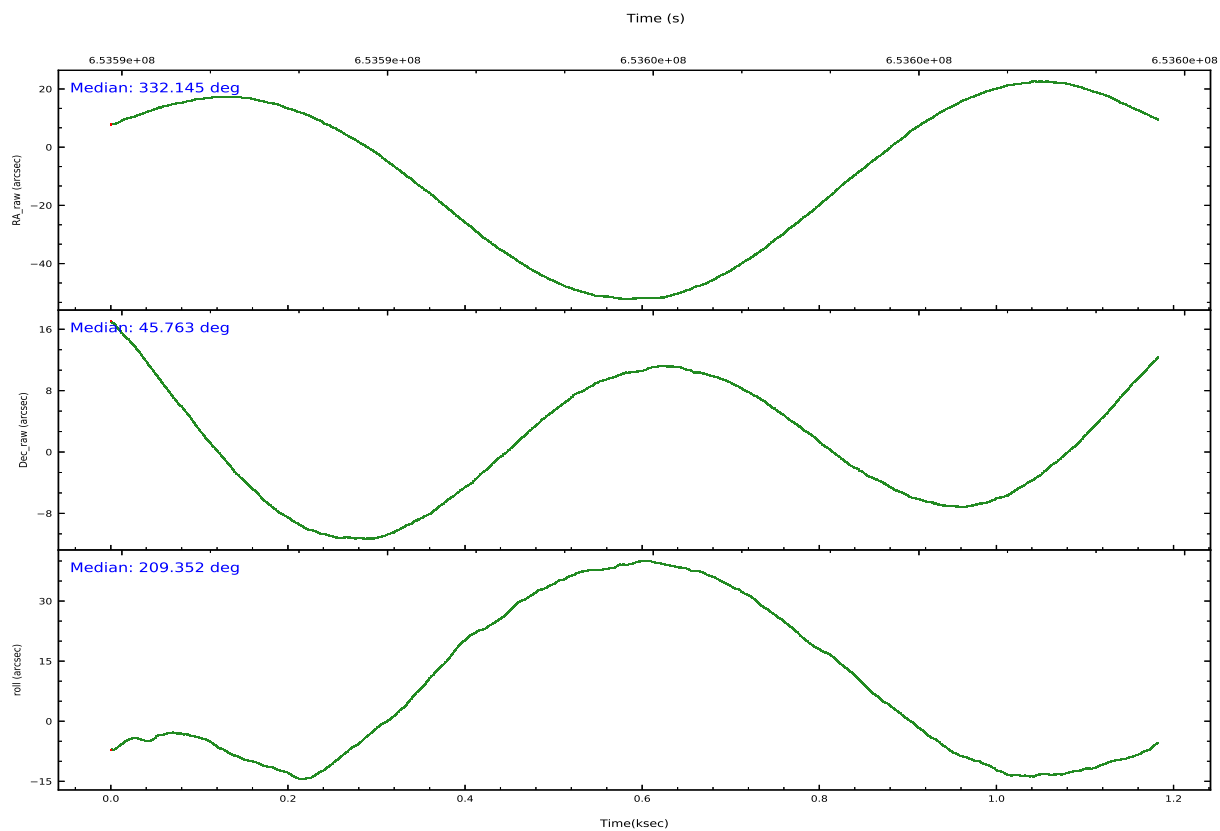
2.2 Compared Parameters

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	332.160416	332.14412823145
[deg] Pointing Dec	45.788174	45.769133000437
[deg] Pointing Roll	209.454207	209.35390248647
[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)	653594670.184000	653594294.15339
Observation start date	2018-09-17T18:03:21	2018-09-17T17:58:14
[s] Observation end time (MET)	653595670.184000	653595803.97848
Observation end date	2018-09-17T18:20:01	2018-09-17T18:23:23

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

2.3 Aspect



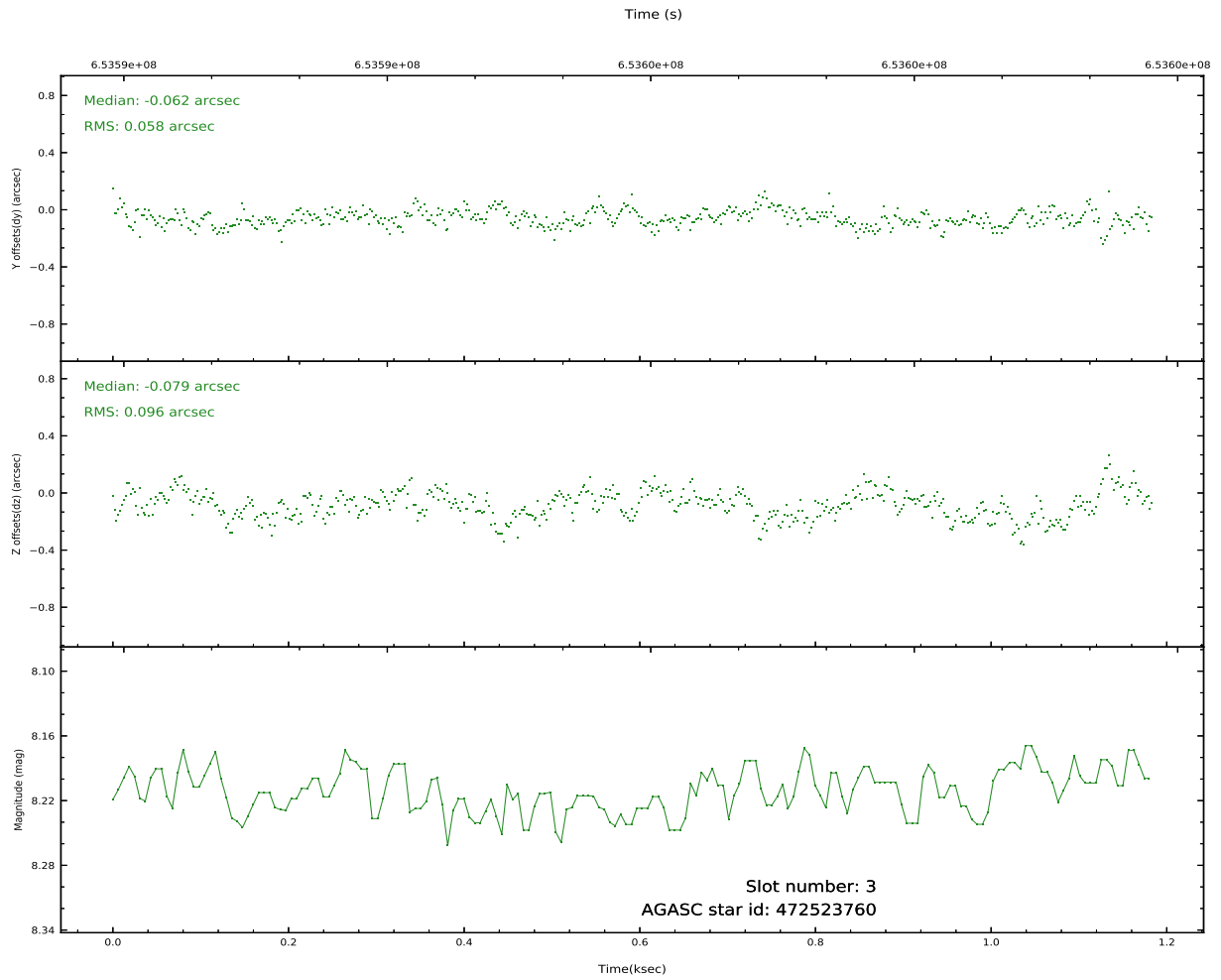
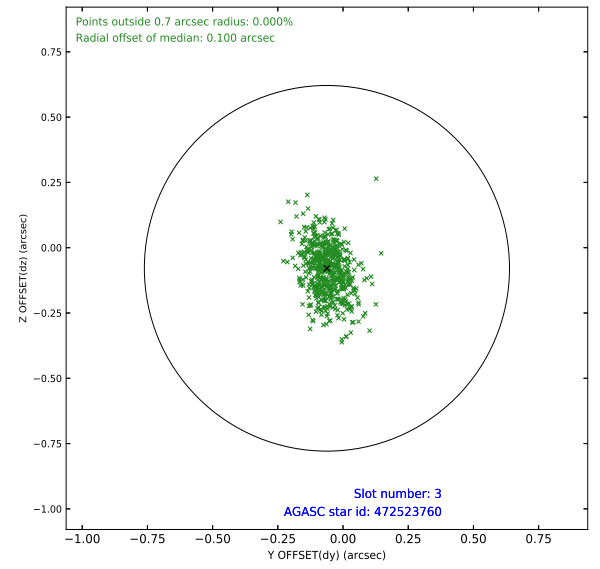
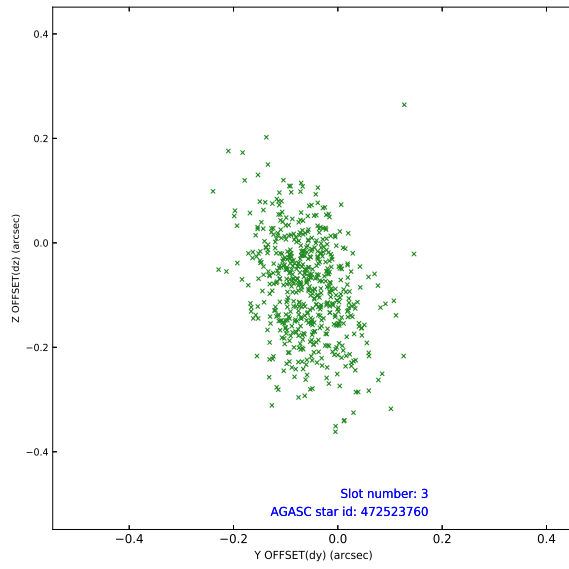


Slot Statistics

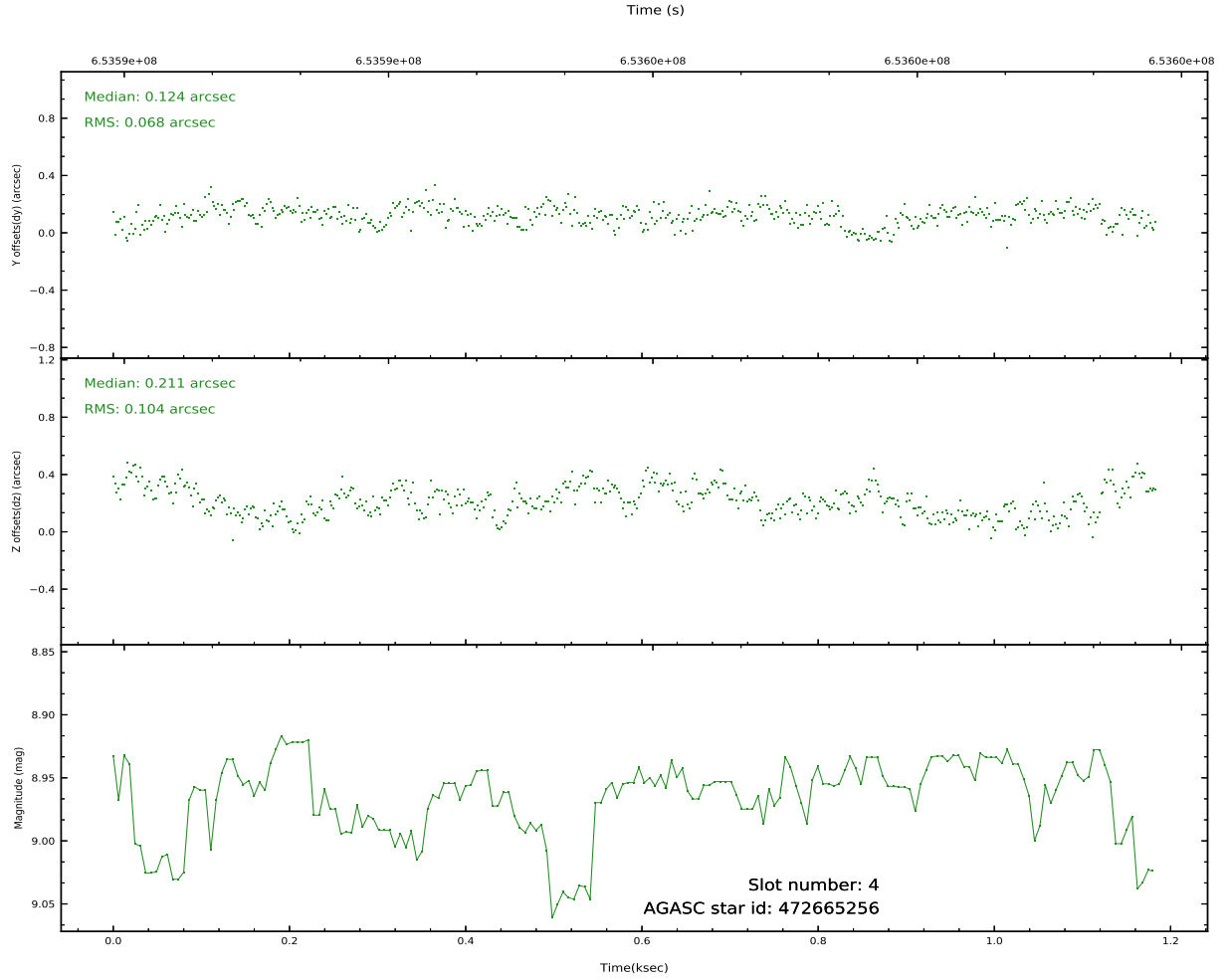
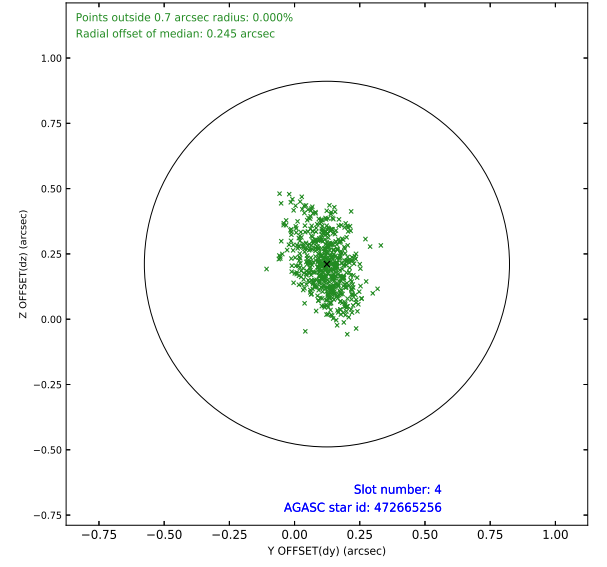
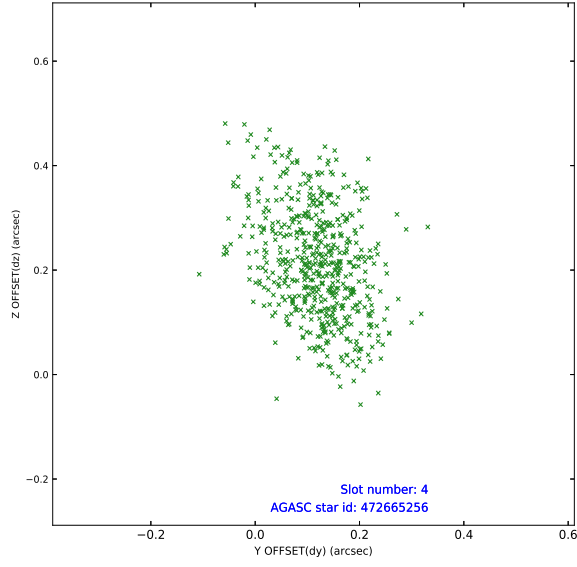
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	289	1.000	0.039	-0.036	0.007	0.011	0.000000	0.000000	-768.41	-1303
1	FID		HRC-I-3	7.08	289	1.000	-0.154	-0.021	0.007	0.011	0.000000	0.000000	-1199.49	996
2	FID		HRC-I-4	7.03	289	1.000	0.229	-0.031	0.005	0.009	0.000000	0.000000	1270.68	1002
3	GUIDE	used	472523760	8.21	578	1.000	-0.062	-0.079	0.112	0.202	331.645363	45.403260	1814.95	558
4	GUIDE	used	472665256	8.96	578	1.000	0.124	0.211	0.131	0.219	332.808125	46.195041	-2123.72	-490
5	GUIDE	used	472533912	9.11	576	1.000	0.177	0.014	0.169	0.305	331.791136	46.368695	-231.48	-2277
6	GUIDE	used	472655152	9.40	577	1.000	-0.015	-0.079	0.232	0.332	332.504239	45.862991	-882.40	179
7	GUIDE	used	472525528	6.63	577	1.000	-0.222	-0.064	0.123	0.207	331.551102	45.248694	2296.55	923

2.4 Star Slots

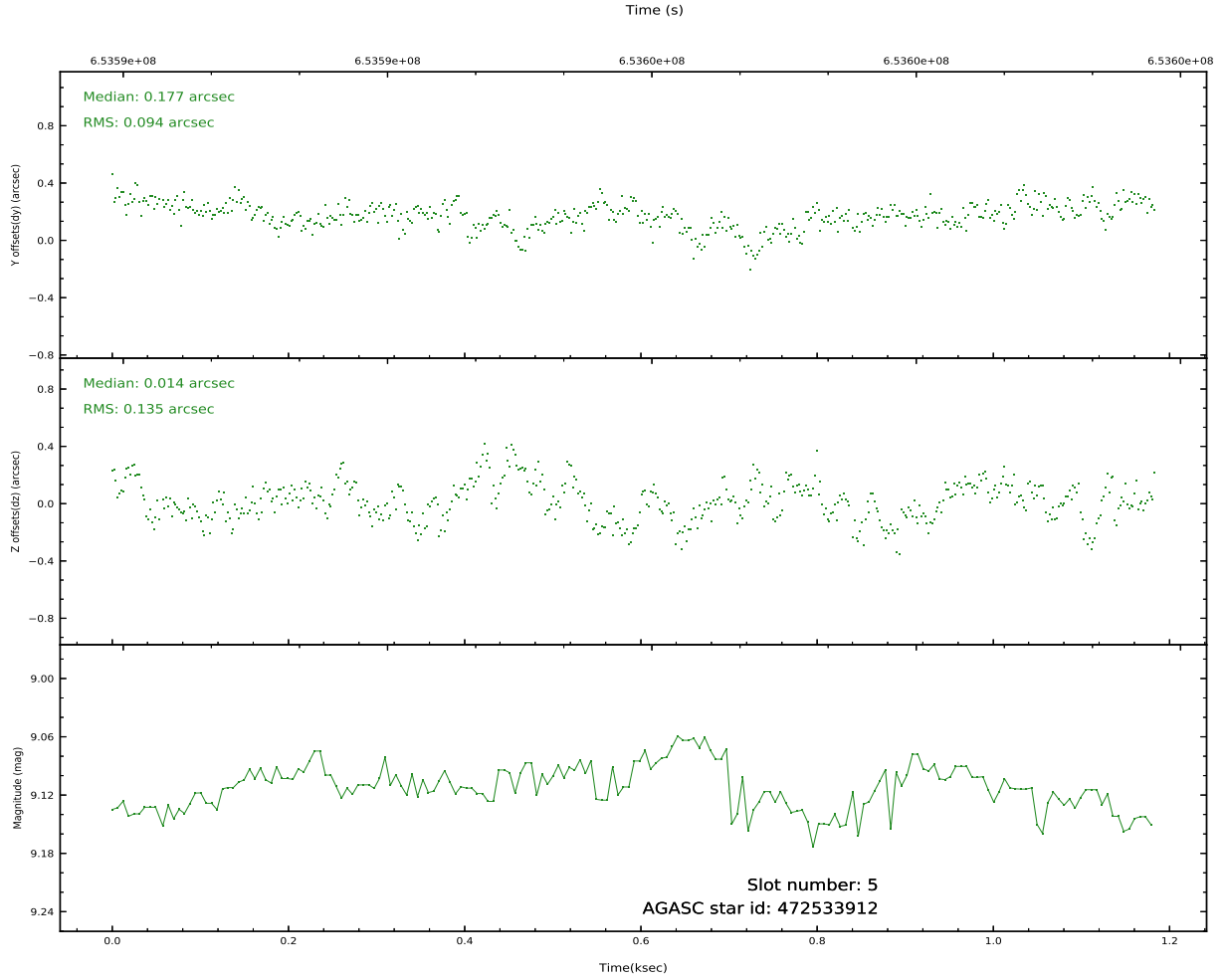
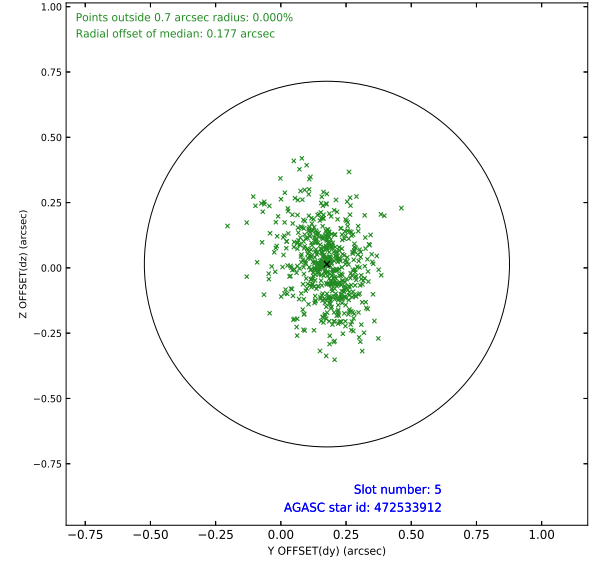
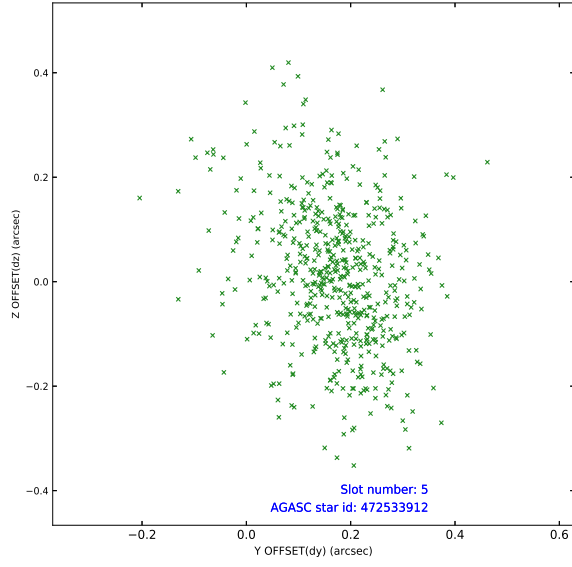
2.4.1 Slot 3



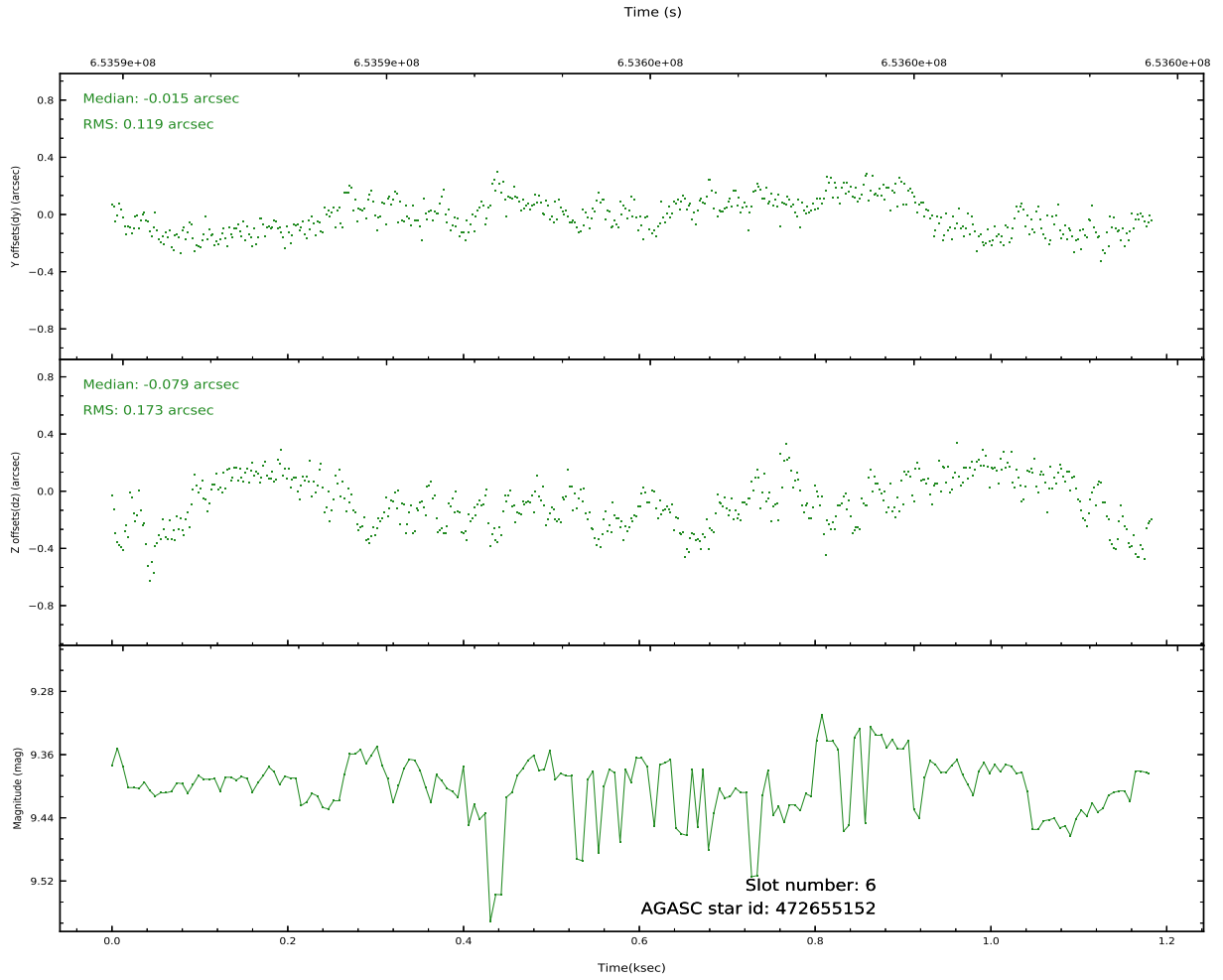
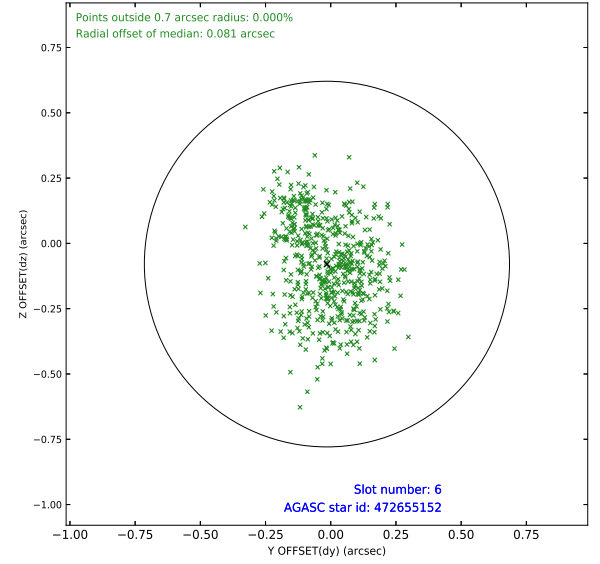
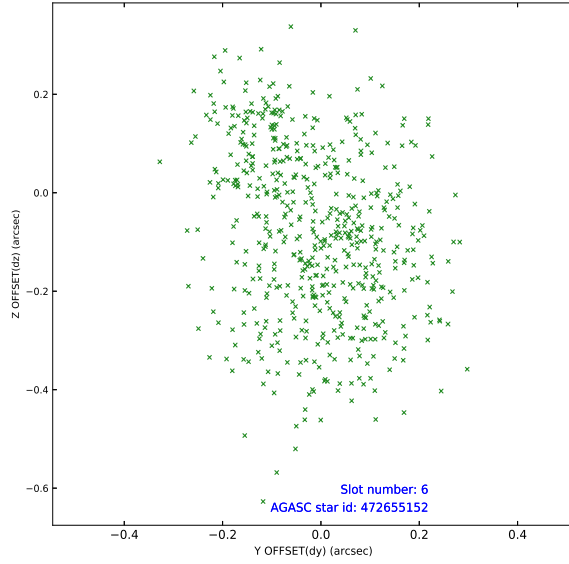
2.4.2 Slot 4



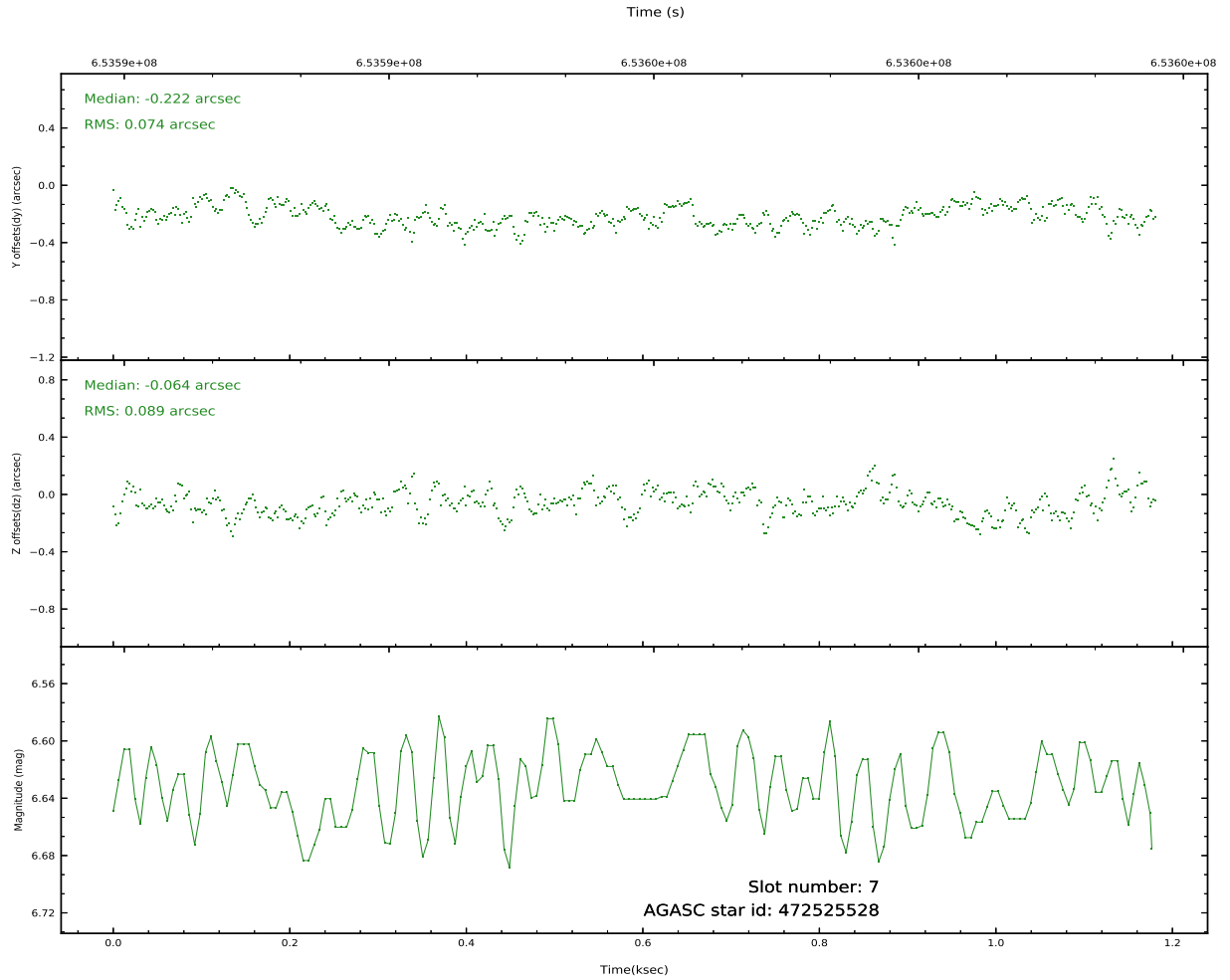
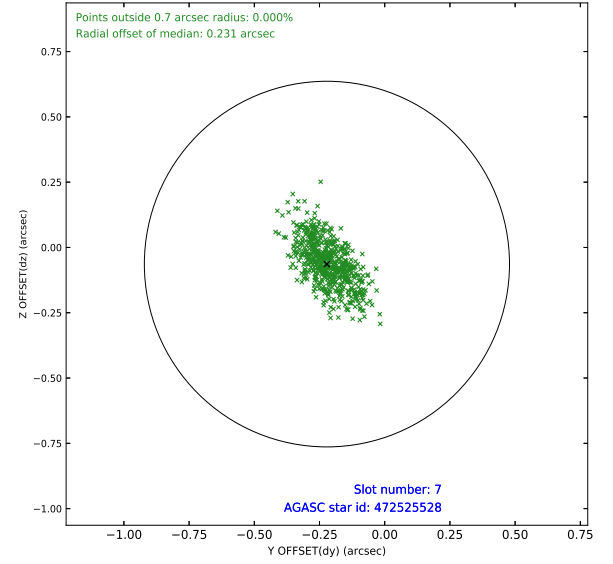
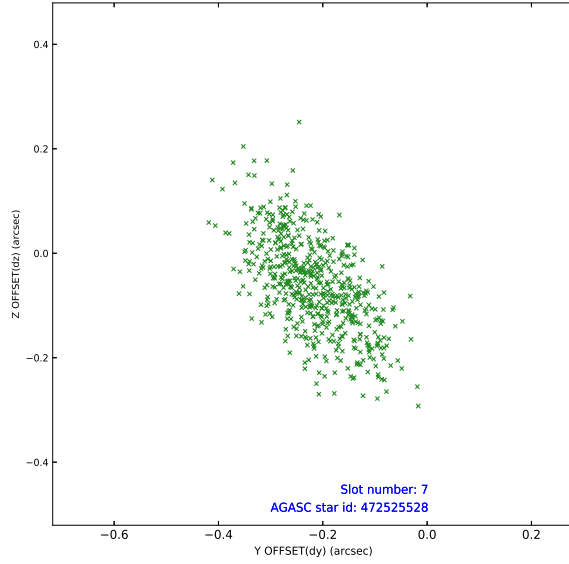
2.4.3 Slot 5



2.4.4 Slot 6

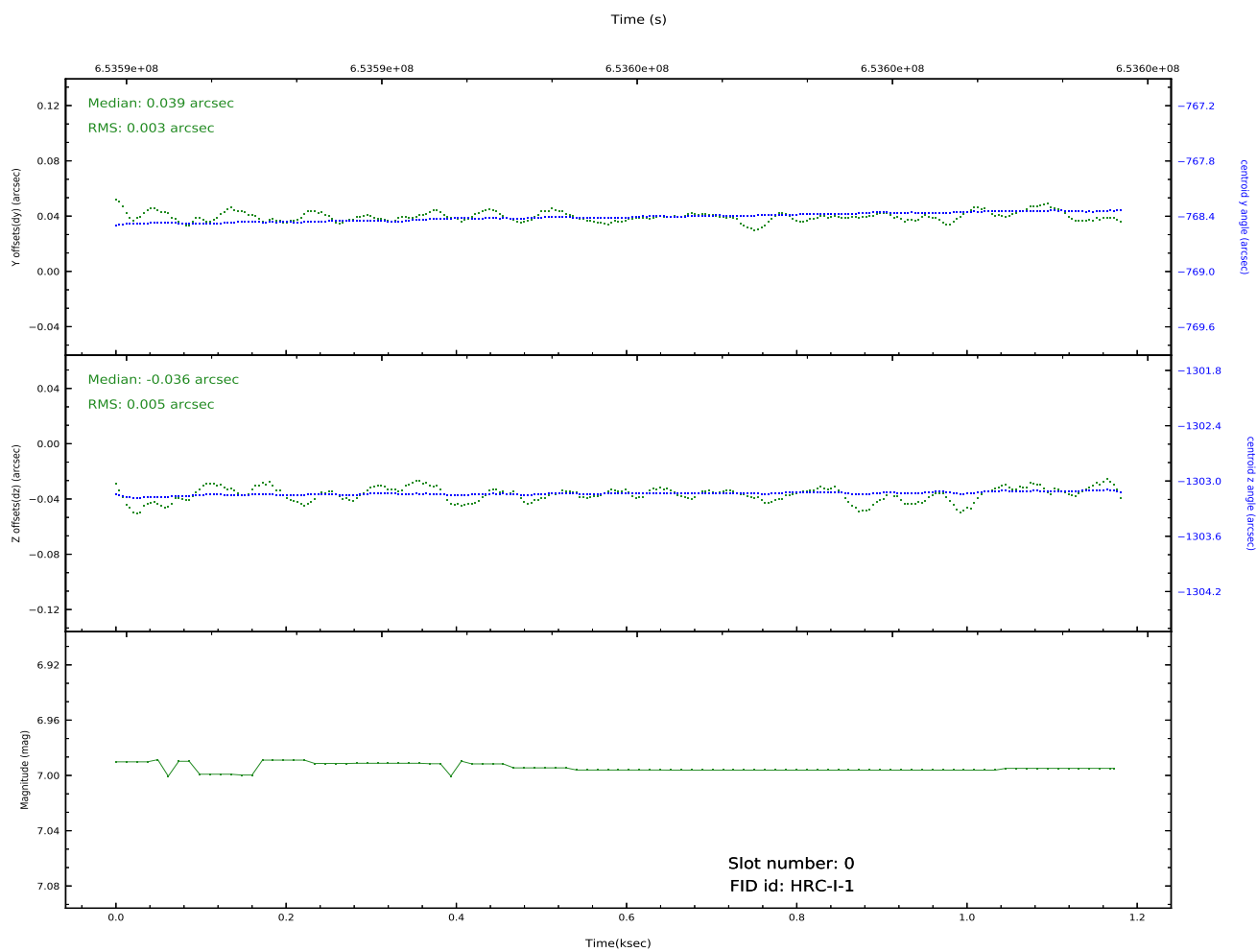
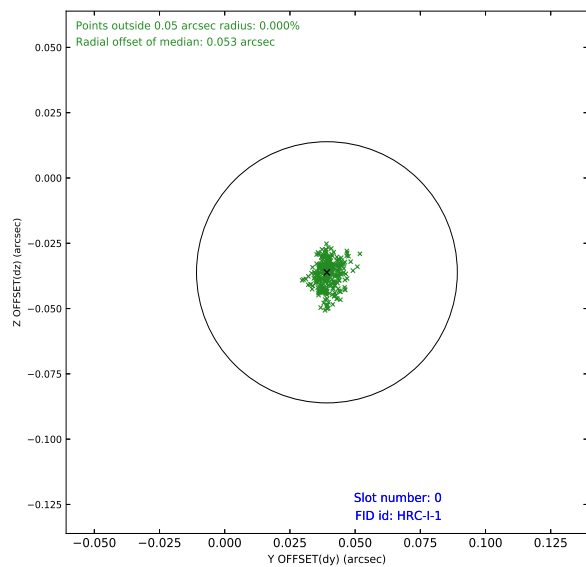
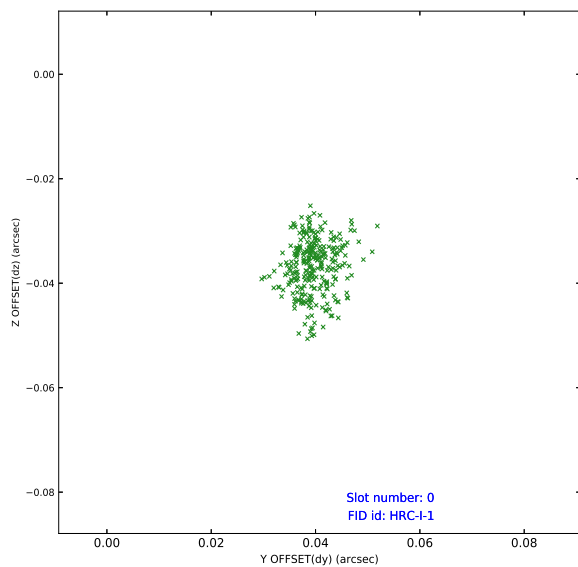


2.4.5 Slot 7

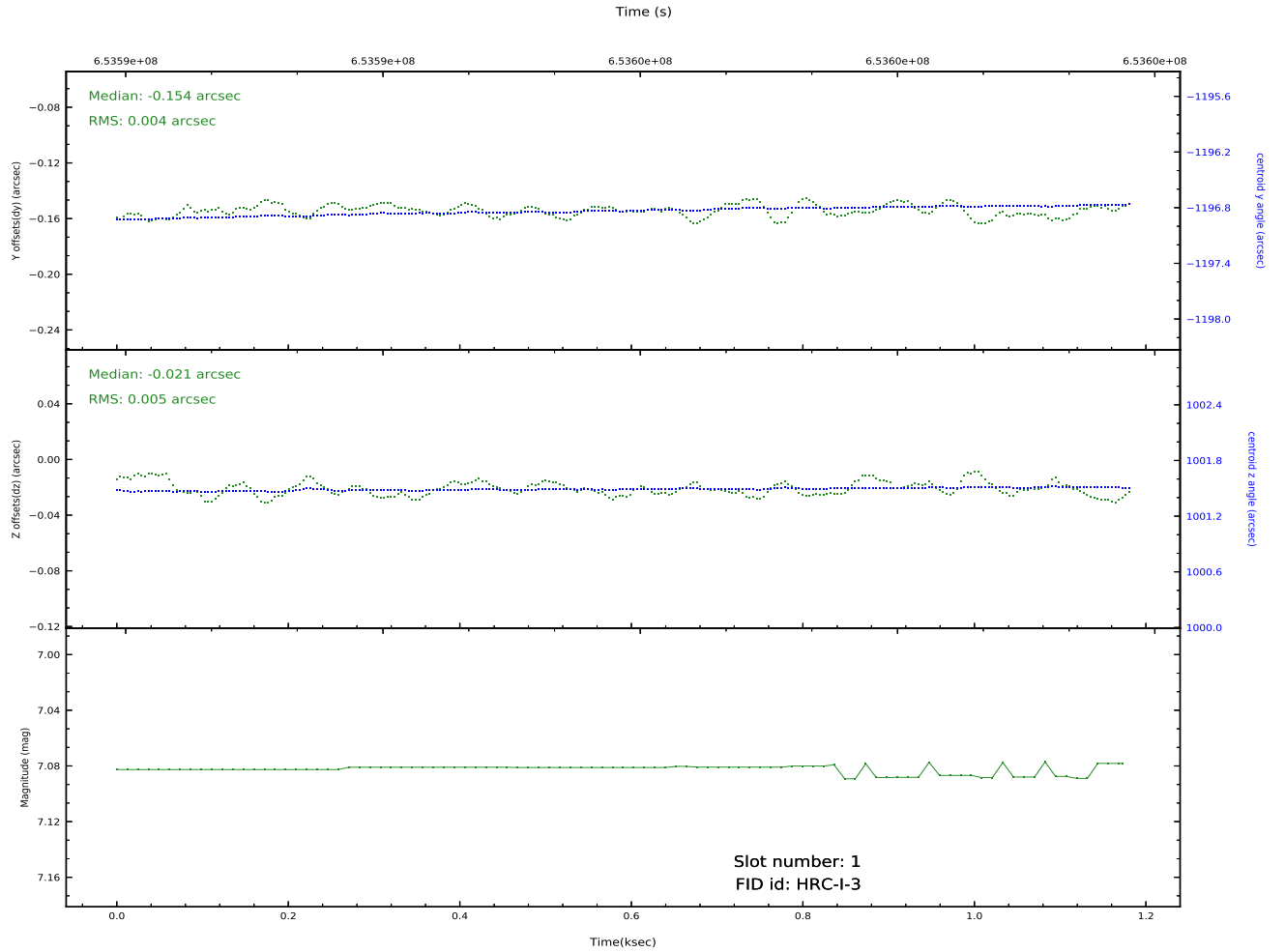
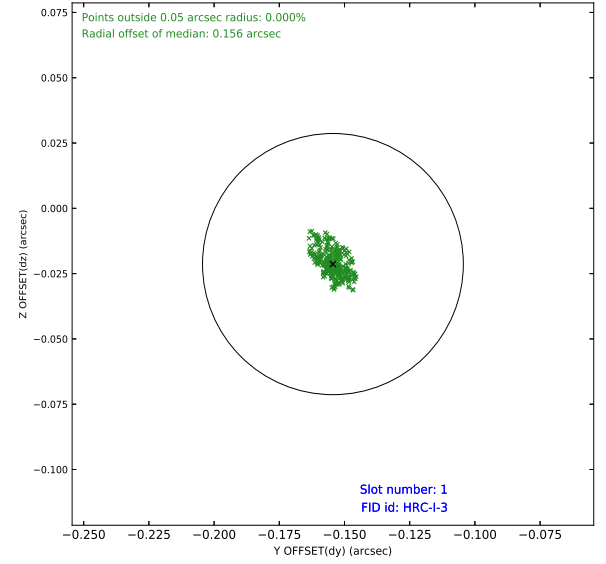
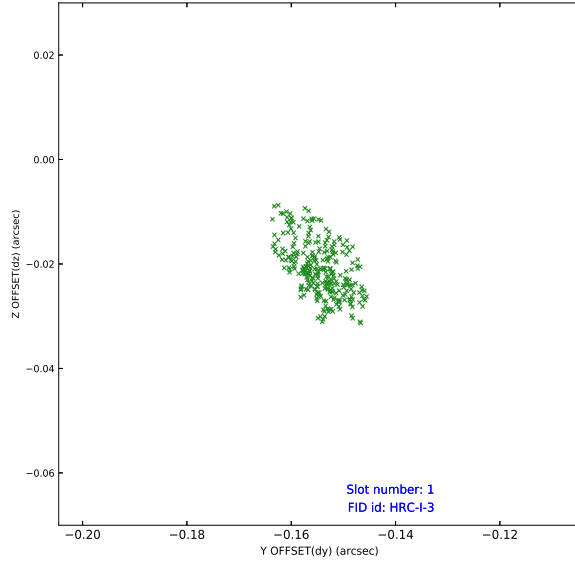


2.5 FID Slots

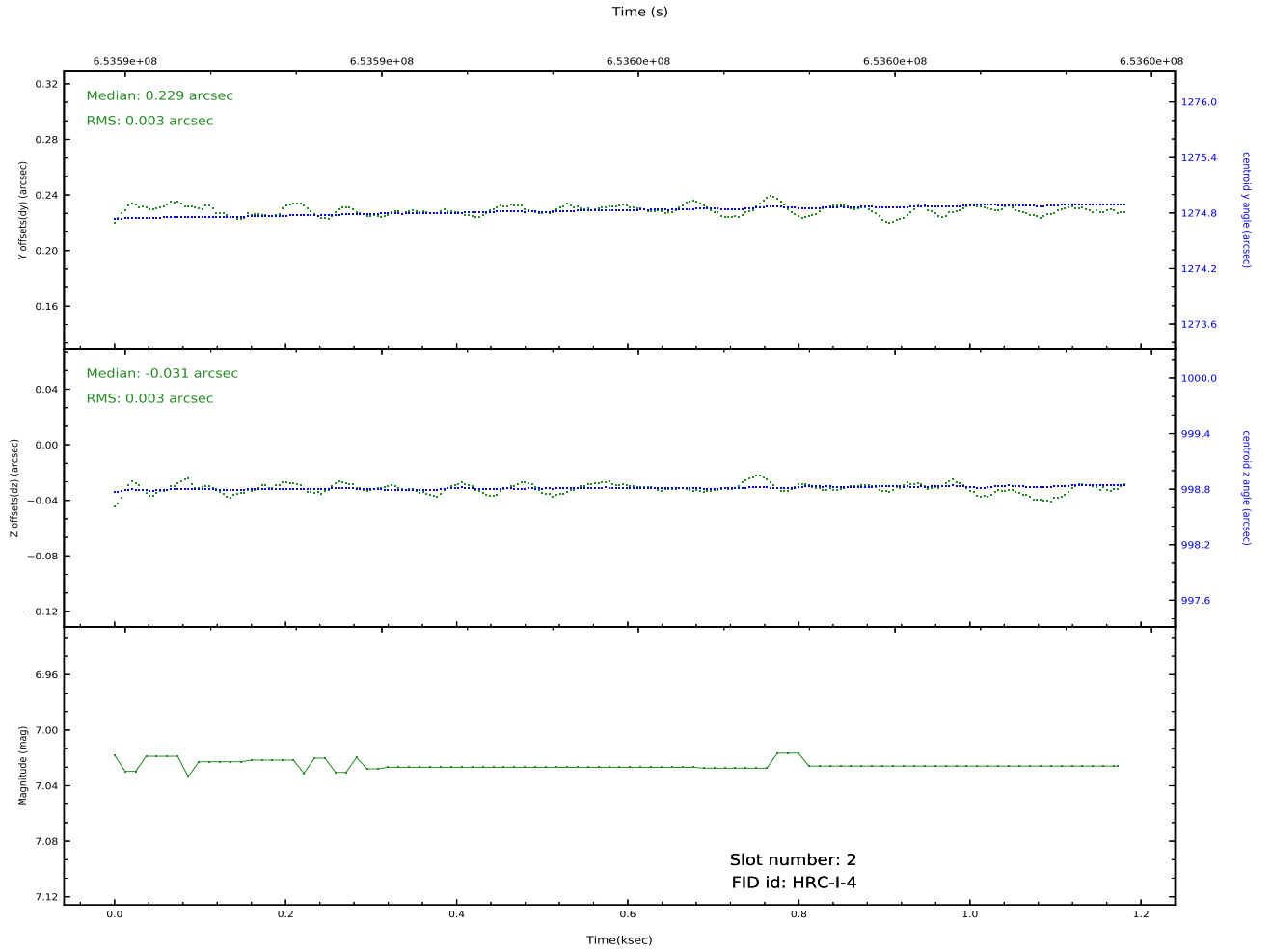
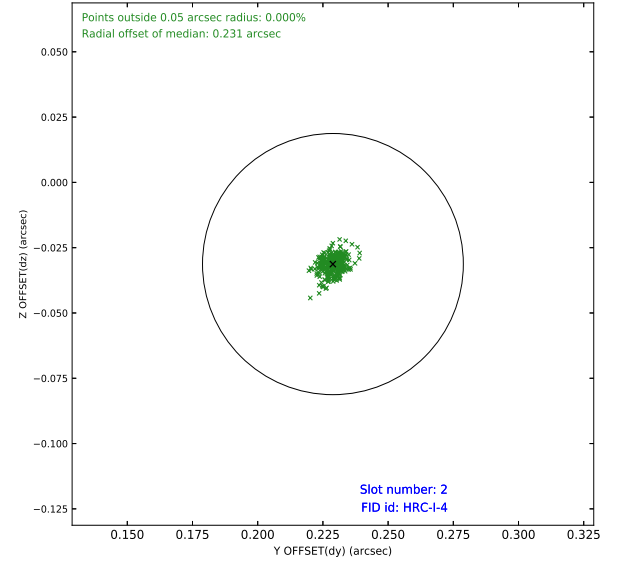
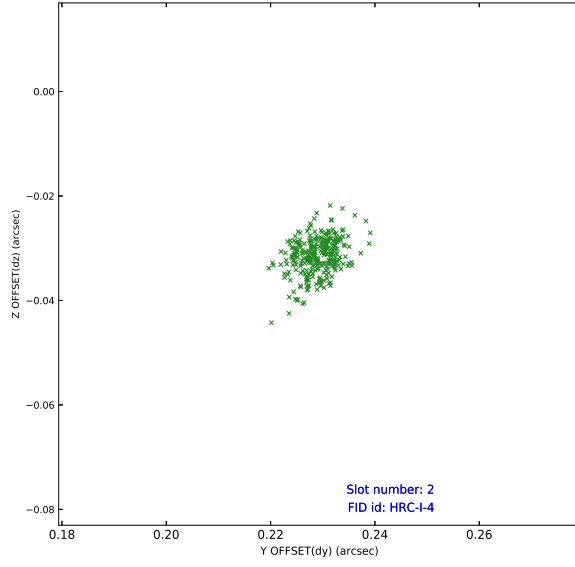
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182081320405

A.2 Comments