

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20672 - L2 Version 2
Chandra X-Ray Center

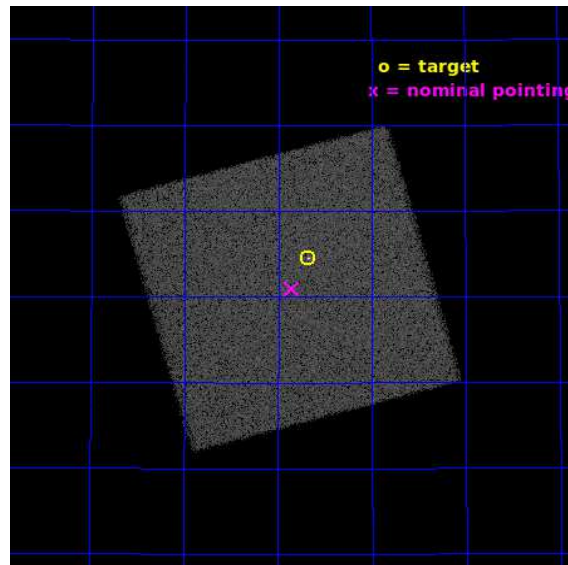
L2 Processing Date : Oct 27 2020

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1 Front

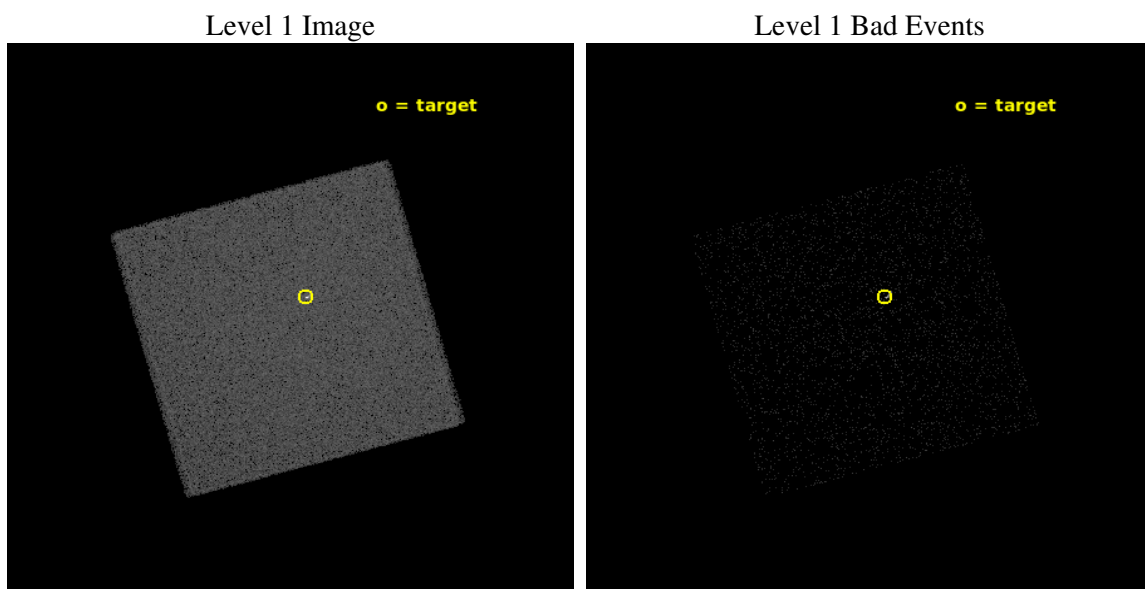
seq_num	291383	Sequence number
obs_id	20672	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21317011838	Nominal RA [deg]
dec_nom	45.683028685588	Nominal Dec [deg]
roll_nom	209.46507831079	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1173.8813198805	[s]
livetime	1157.4174697124	Ontime multiplied by DTCOR
l2events	143642	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	1173.8813198805	[s]
caldbver	4.9.3	 	l1events	242212	Number of level 1 events
date	2020-10-27T19:27:25	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

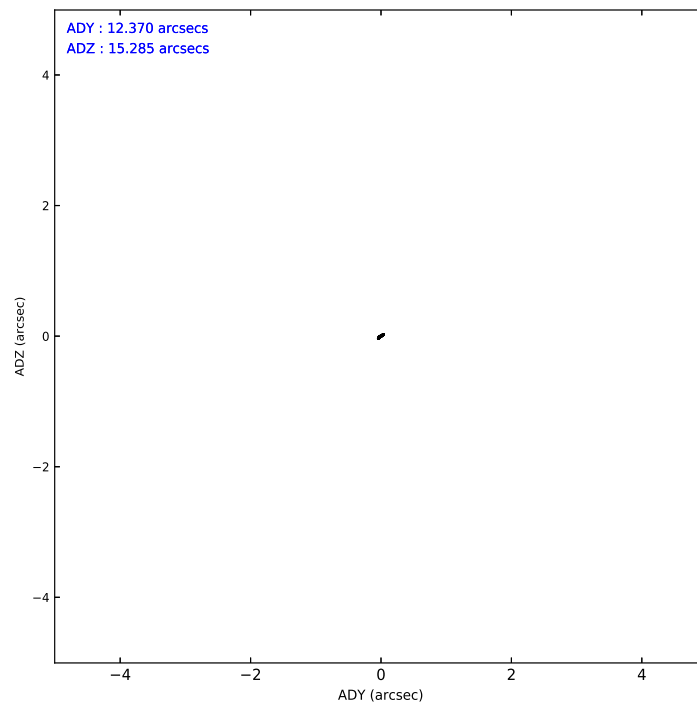
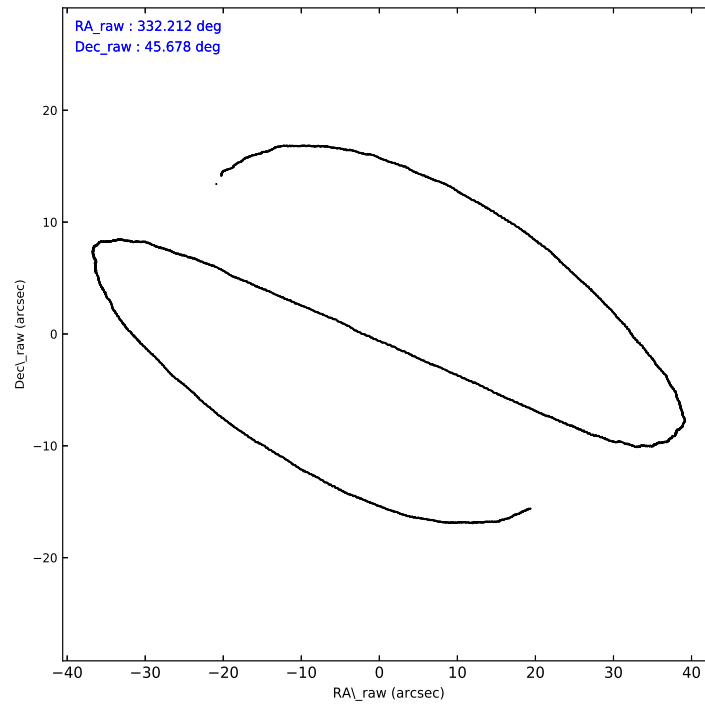
	segment 0
level 1 events	242212
rejected events	53858
rejected %	22%

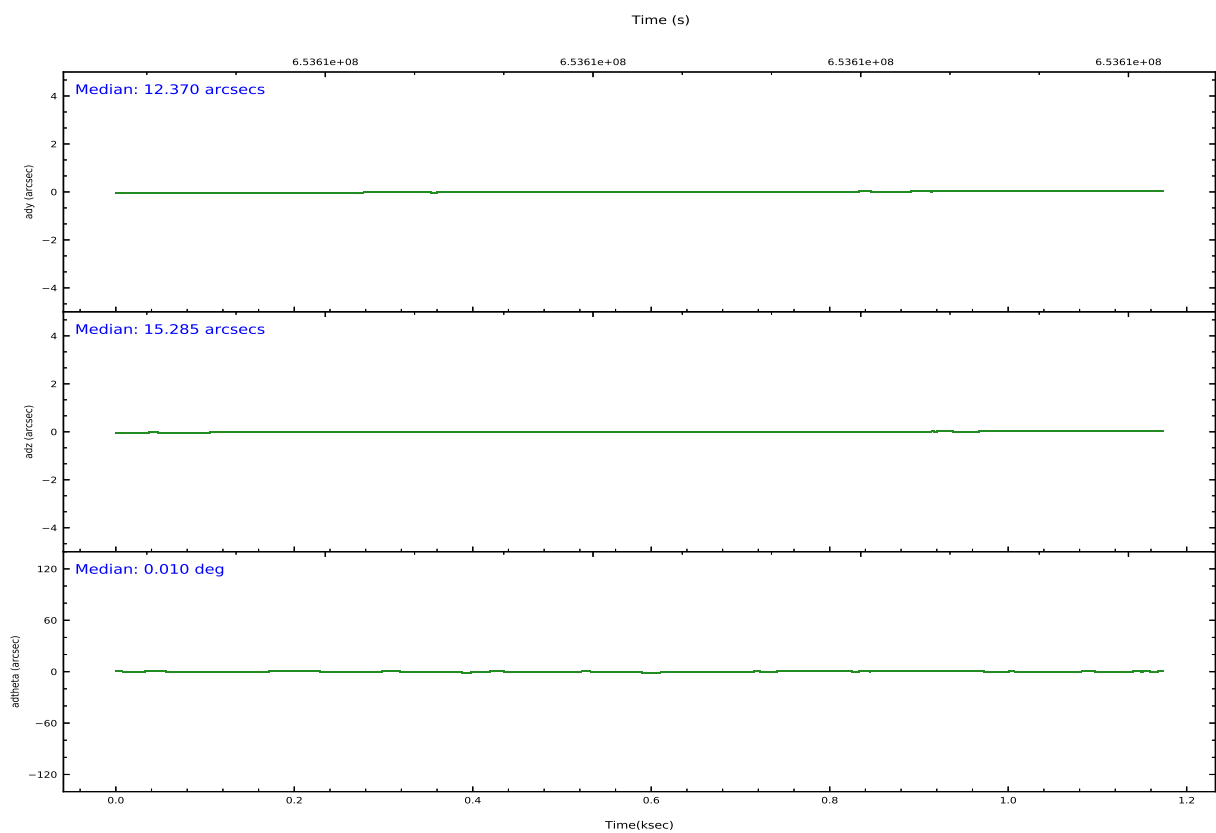
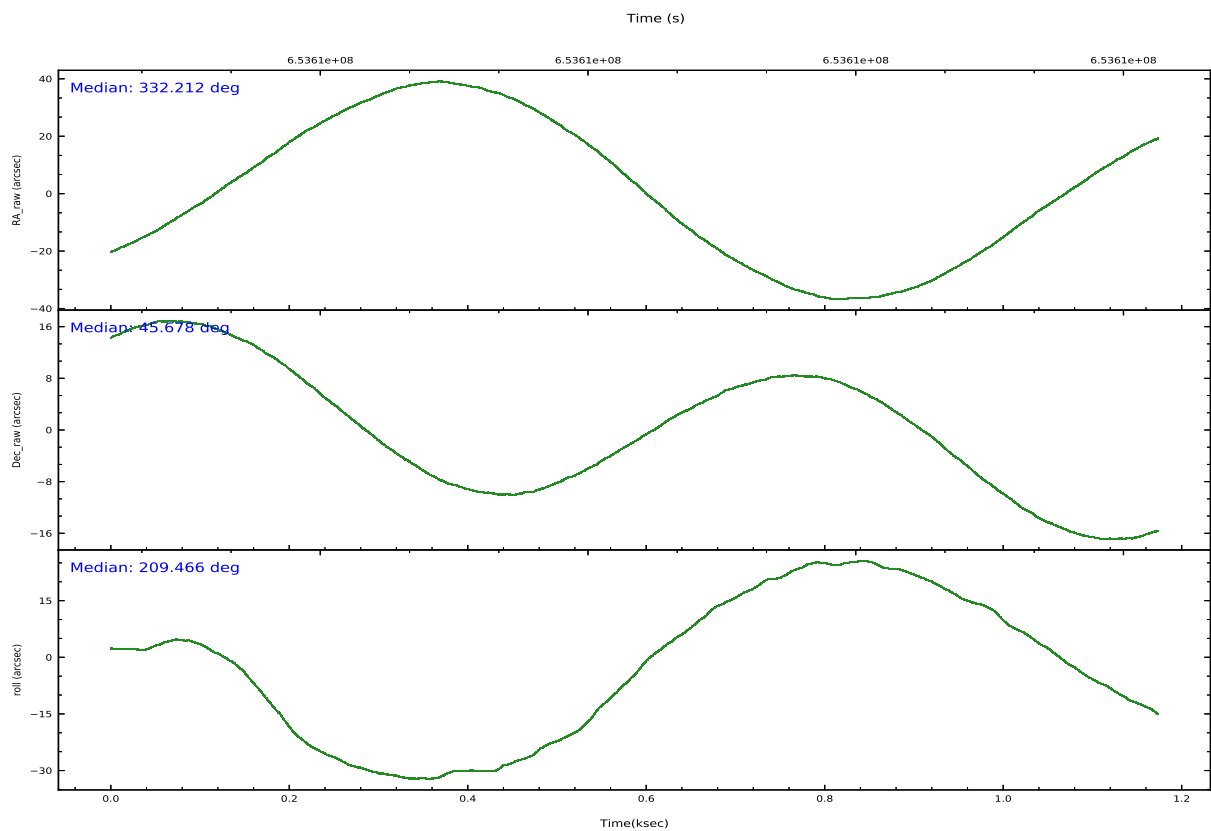
2.2 Compared Parameters

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	332.230956	332.21317011838
[deg] Pointing Dec	45.701157	45.683028685588
[deg] Pointing Roll	209.559583	209.46507831079
[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)	653605240.184000	653604863.95402
Observation start date	2018-09-17T20:59:31	2018-09-17T20:54:23
[s] Observation end time (MET)	653606240.184000	653606373.77911
Observation end date	2018-09-17T21:16:11	2018-09-17T21:19:33

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

2.3 Aspect



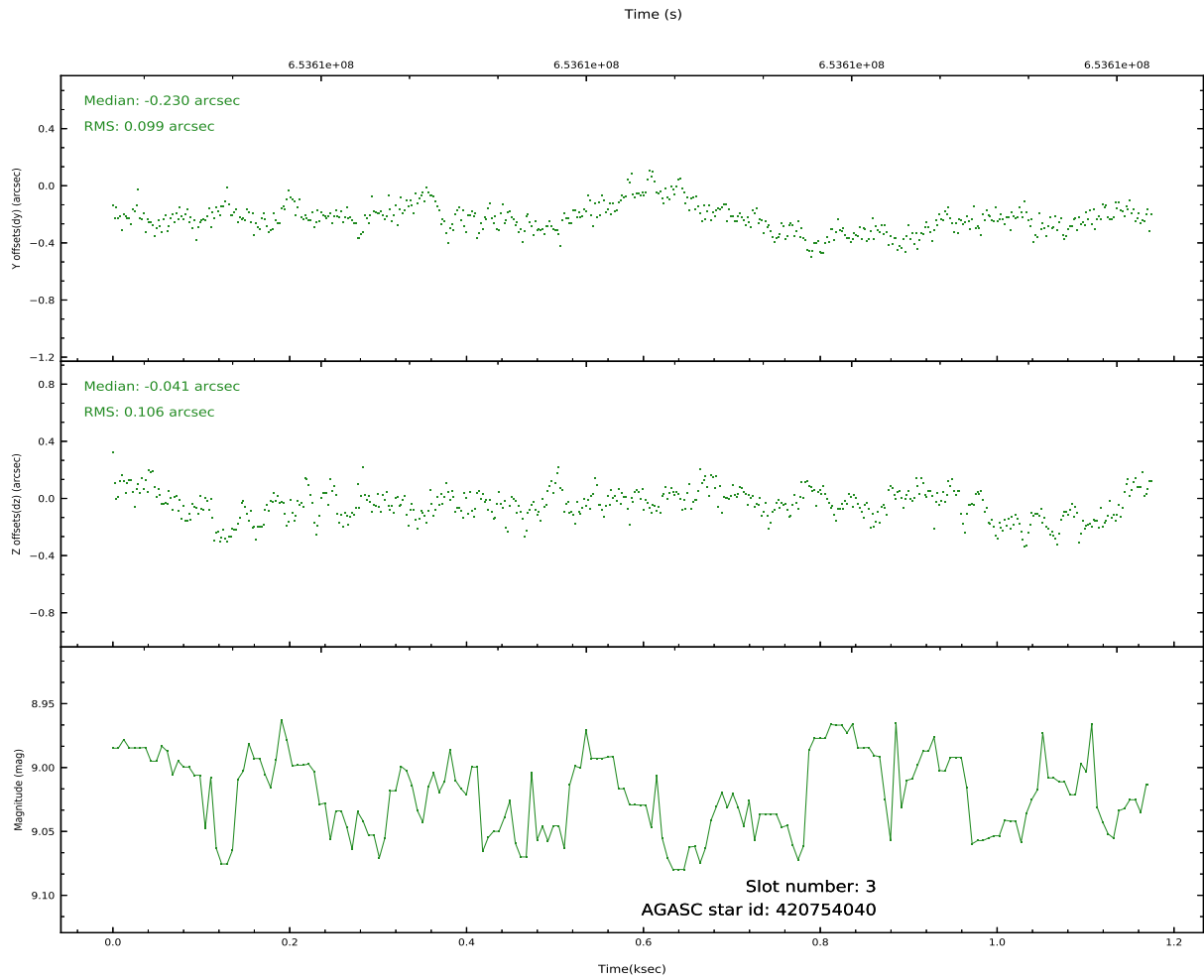
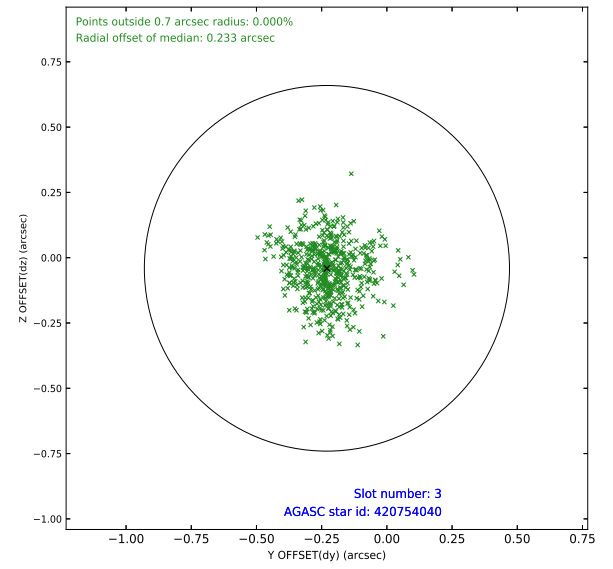
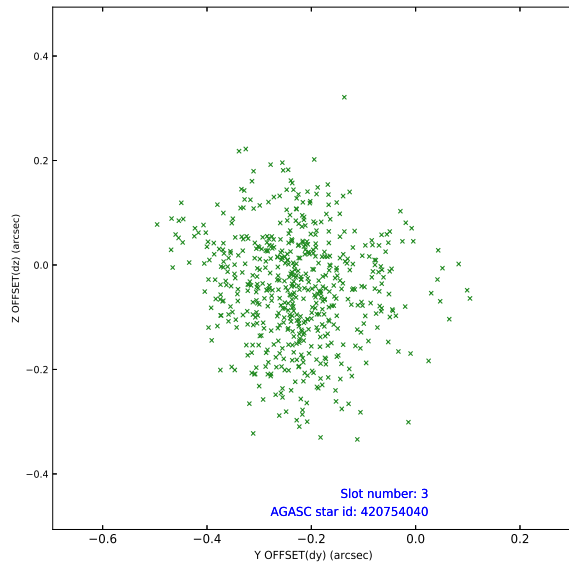


Slot Statistics

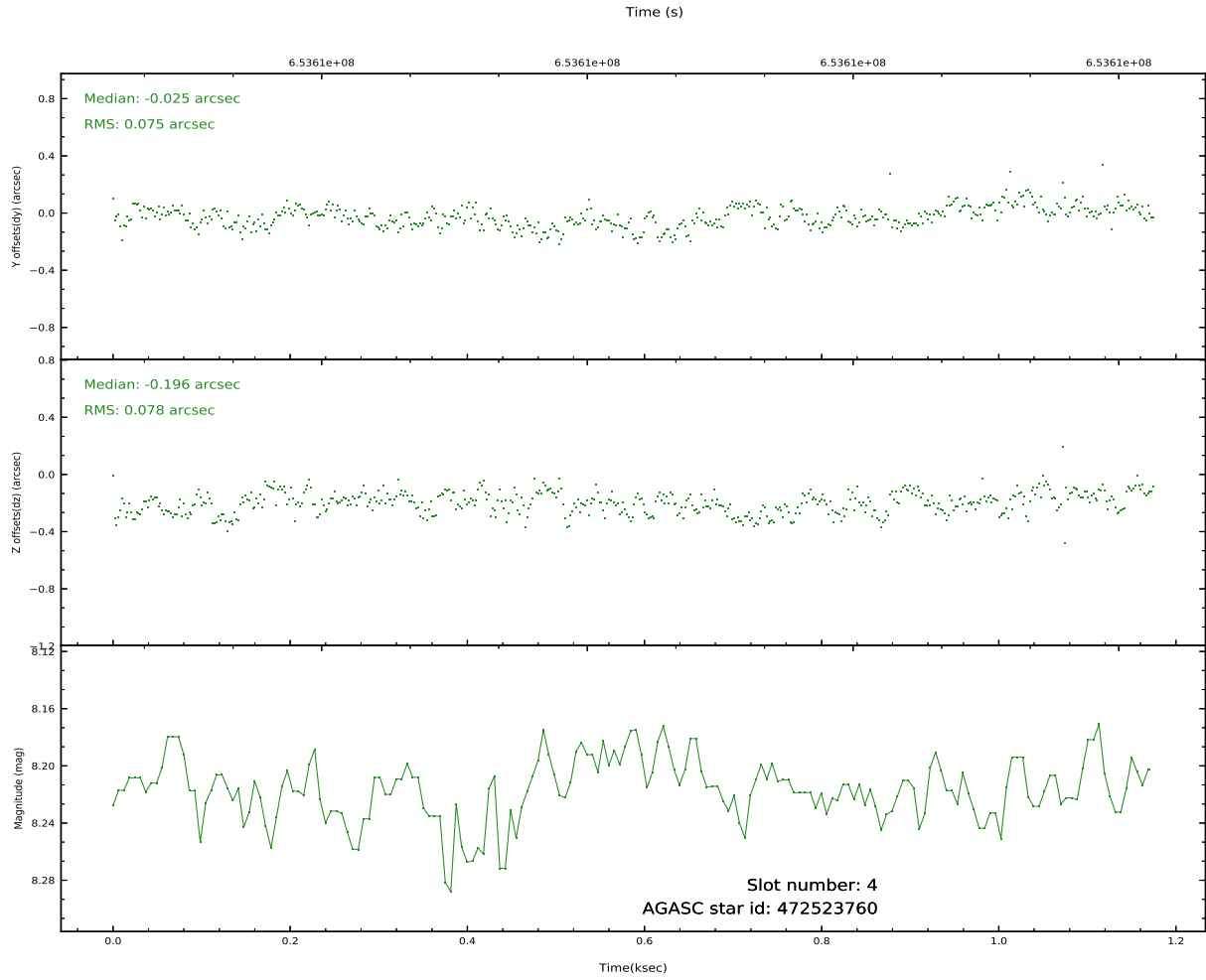
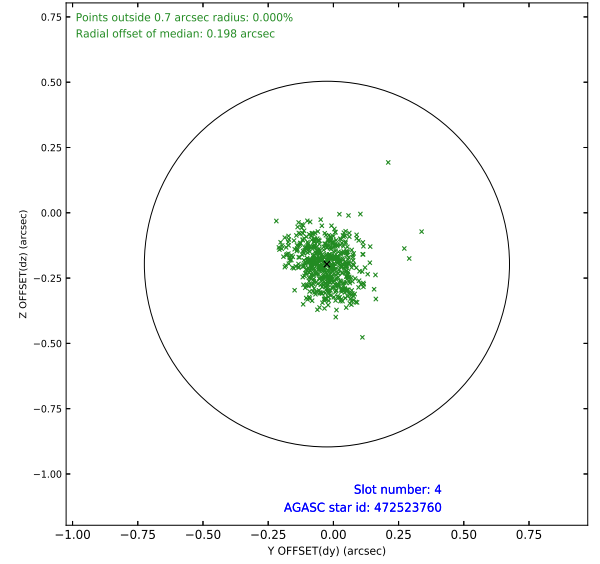
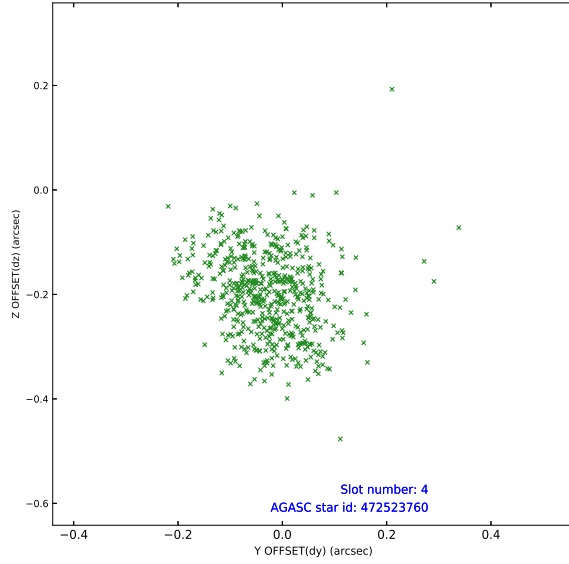
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	287	1.000	-0.085	0.019	0.006	0.010	0.000000	0.000000	-768.21	-1303
1	FID		HRC-I-2	7.04	287	1.000	0.303	-0.197	0.006	0.010	0.000000	0.000000	842.13	-1309
2	FID		HRC-I-3	7.09	287	1.000	-0.099	0.089	0.005	0.010	0.000000	0.000000	-1193.72	996
3	GUIDE	used	420754040	9.02	574	1.000	-0.230	-0.041	0.156	0.251	331.917939	44.882543	2145.46	2169
4	GUIDE	used	472523760	8.22	574	1.000	-0.025	-0.196	0.112	0.179	331.645363	45.403260	1818.11	202
5	GUIDE	used	472655152	9.38	574	1.000	-0.039	0.118	0.242	0.397	332.504239	45.862991	-880.50	-168
6	GUIDE	used	472665256	8.95	574	1.000	0.152	0.070	0.134	0.215	332.808125	46.195041	-2131.81	-841
7	GUIDE	used	472663080	9.33	572	1.000	0.142	0.065	0.214	0.352	332.652741	46.473840	-2286.56	-1907

2.4 Star Slots

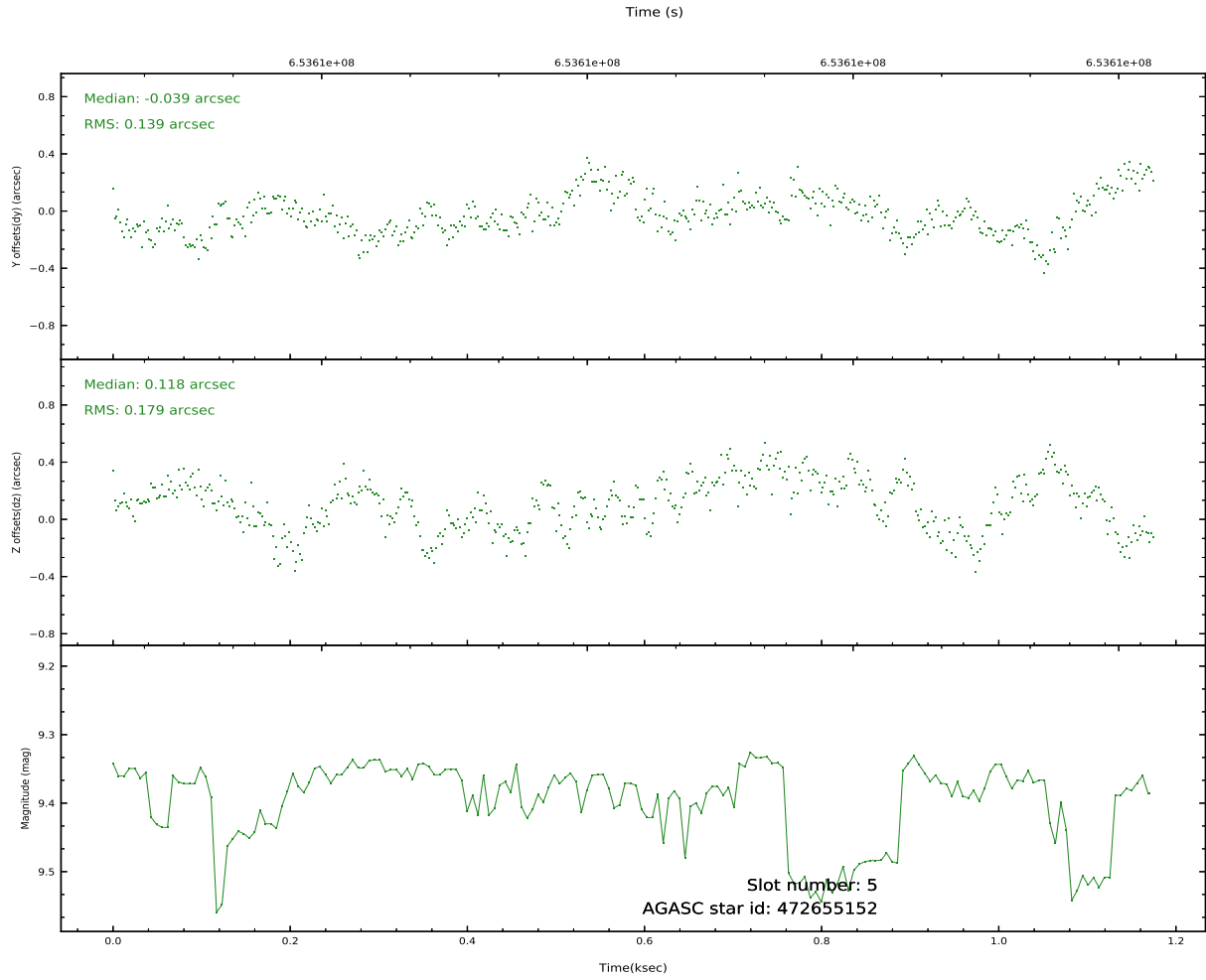
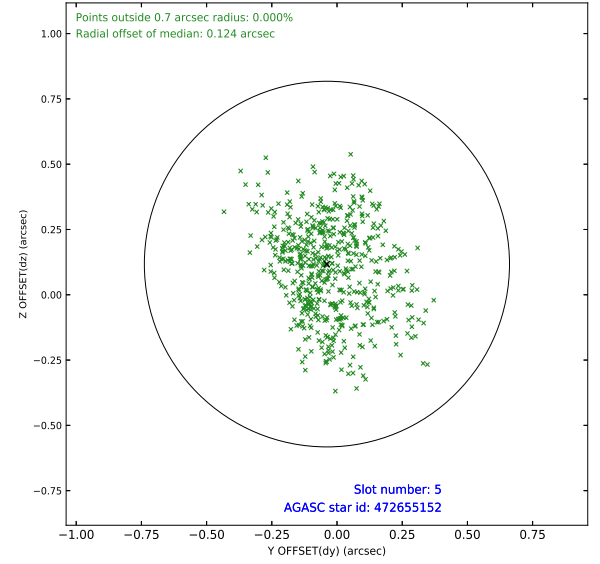
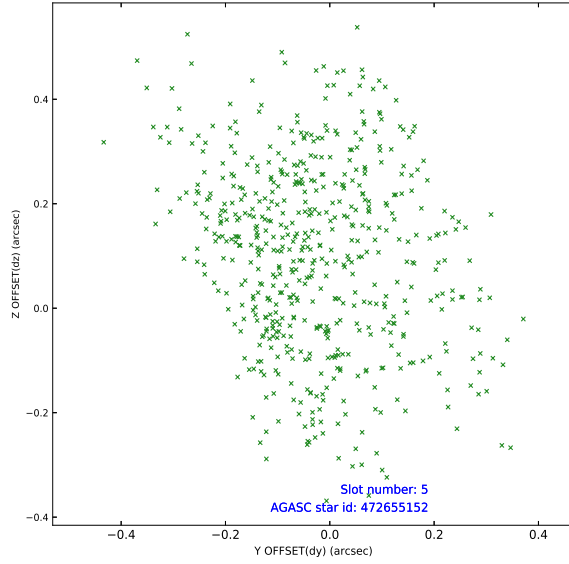
2.4.1 Slot 3



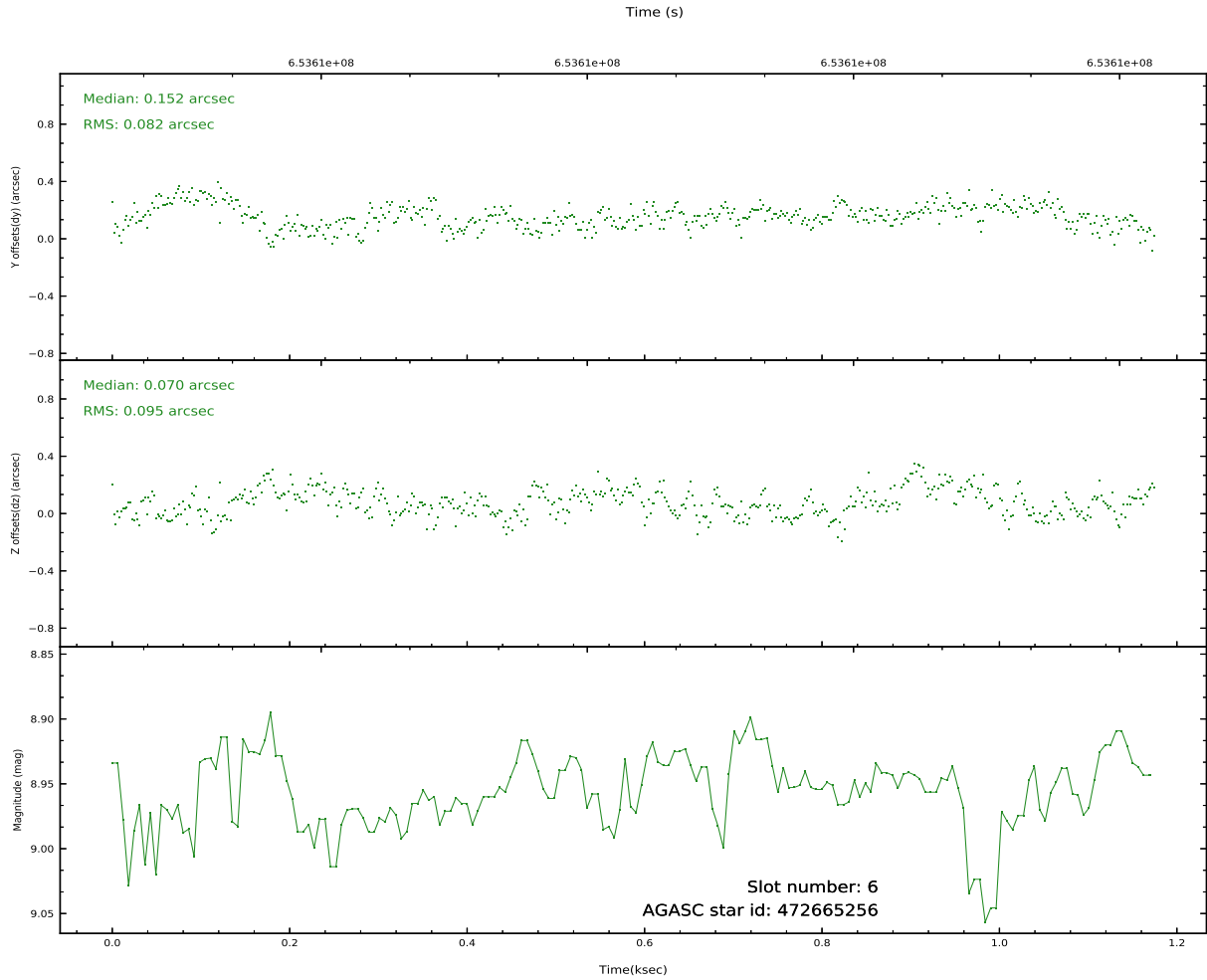
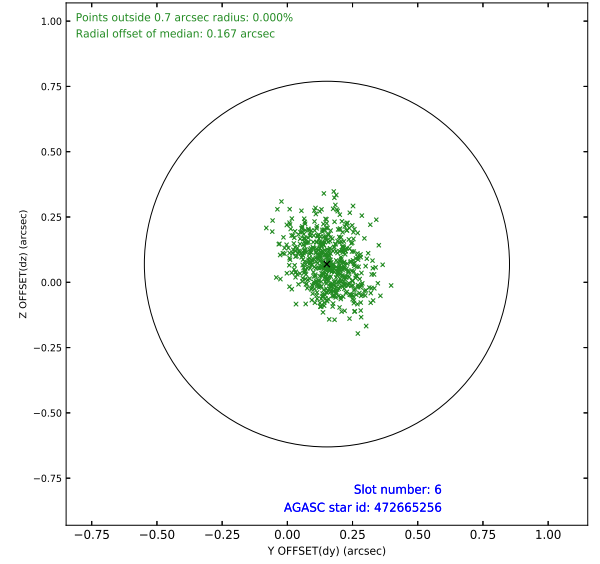
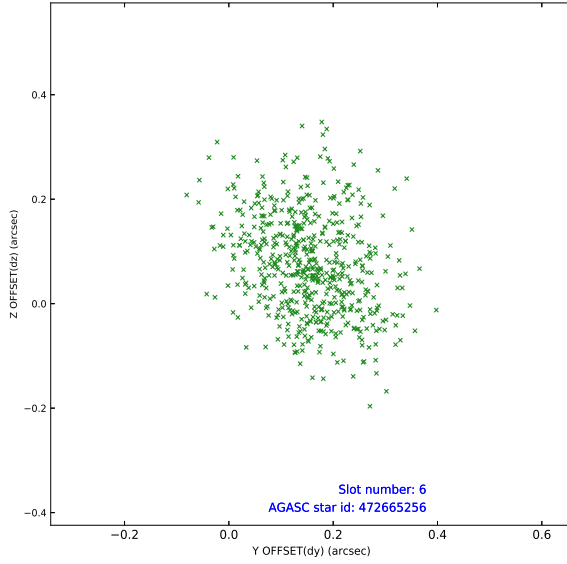
2.4.2 Slot 4



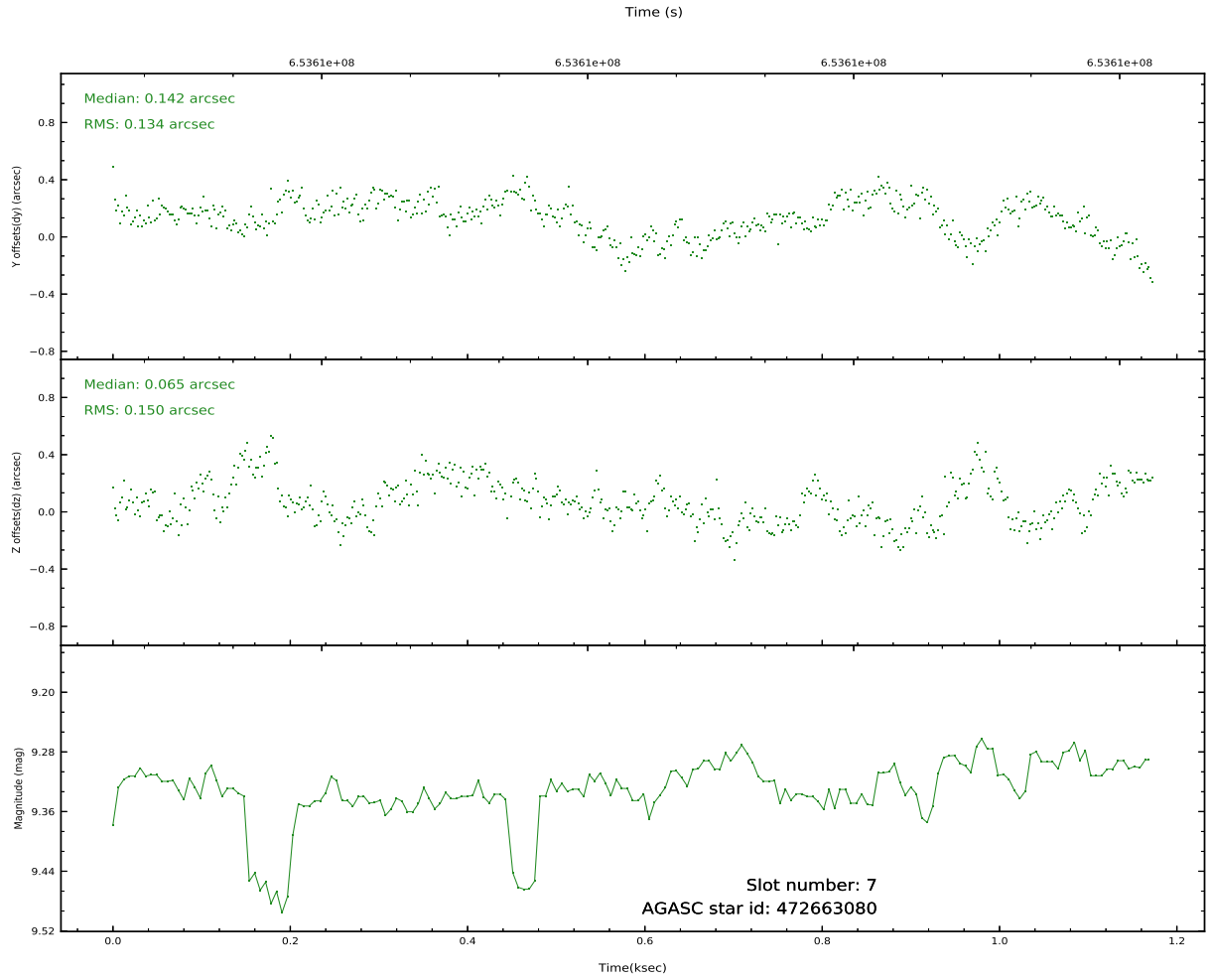
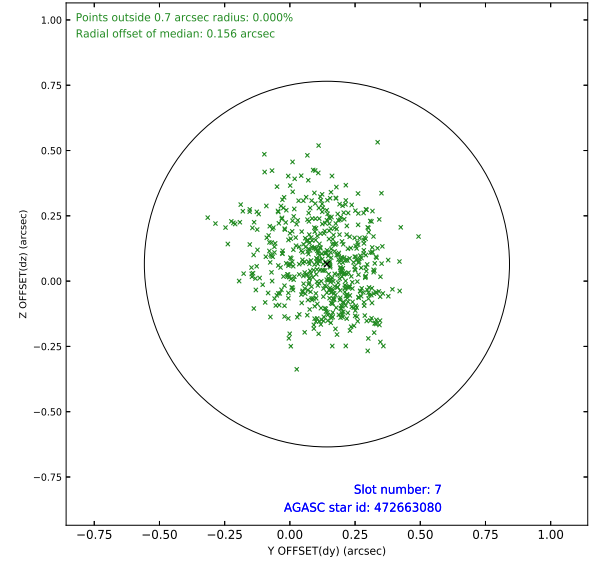
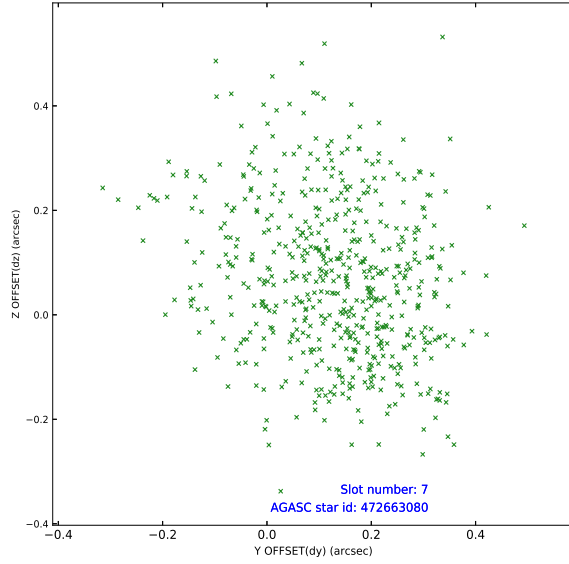
2.4.3 Slot 5



2.4.4 Slot 6

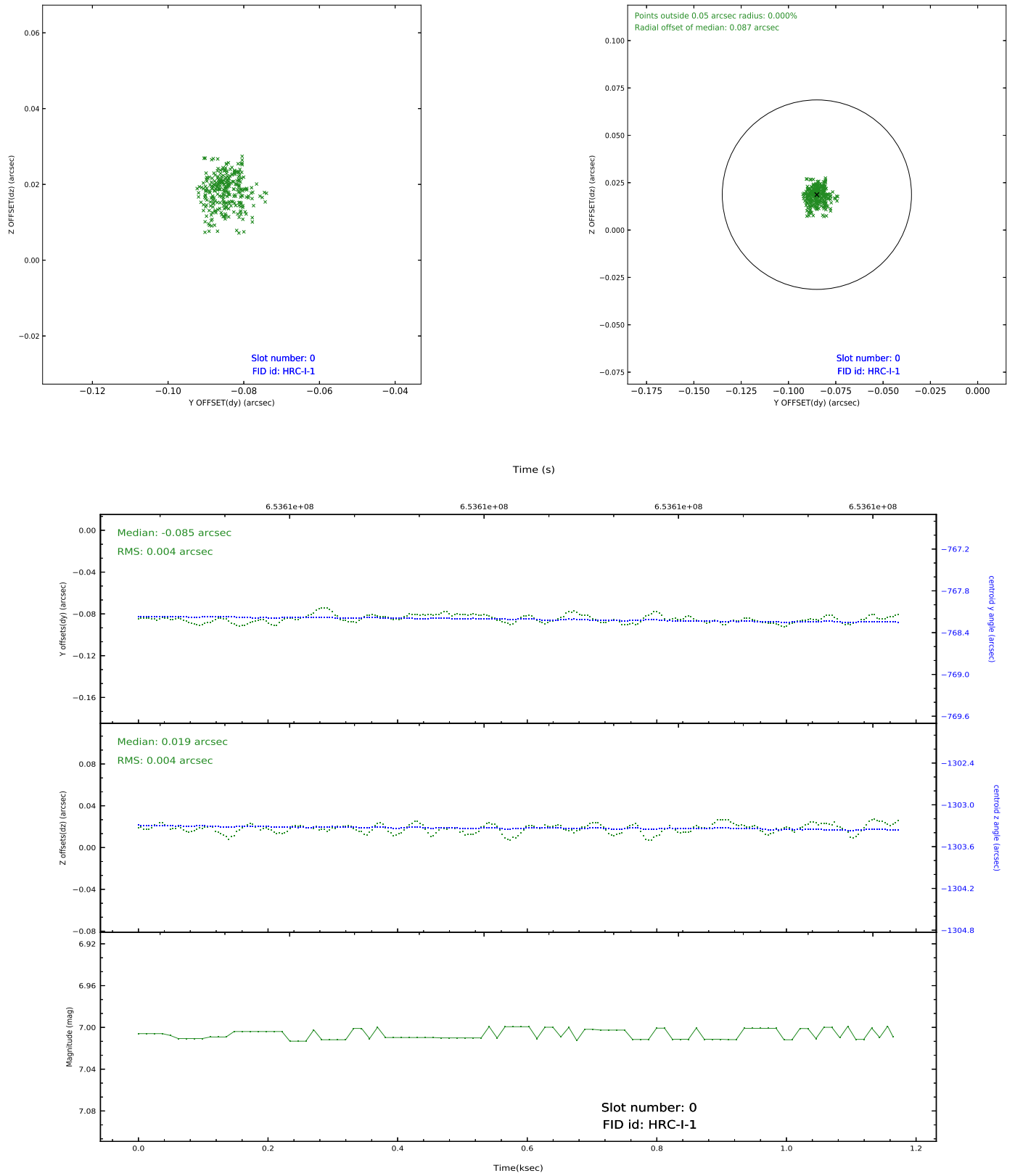


2.4.5 Slot 7

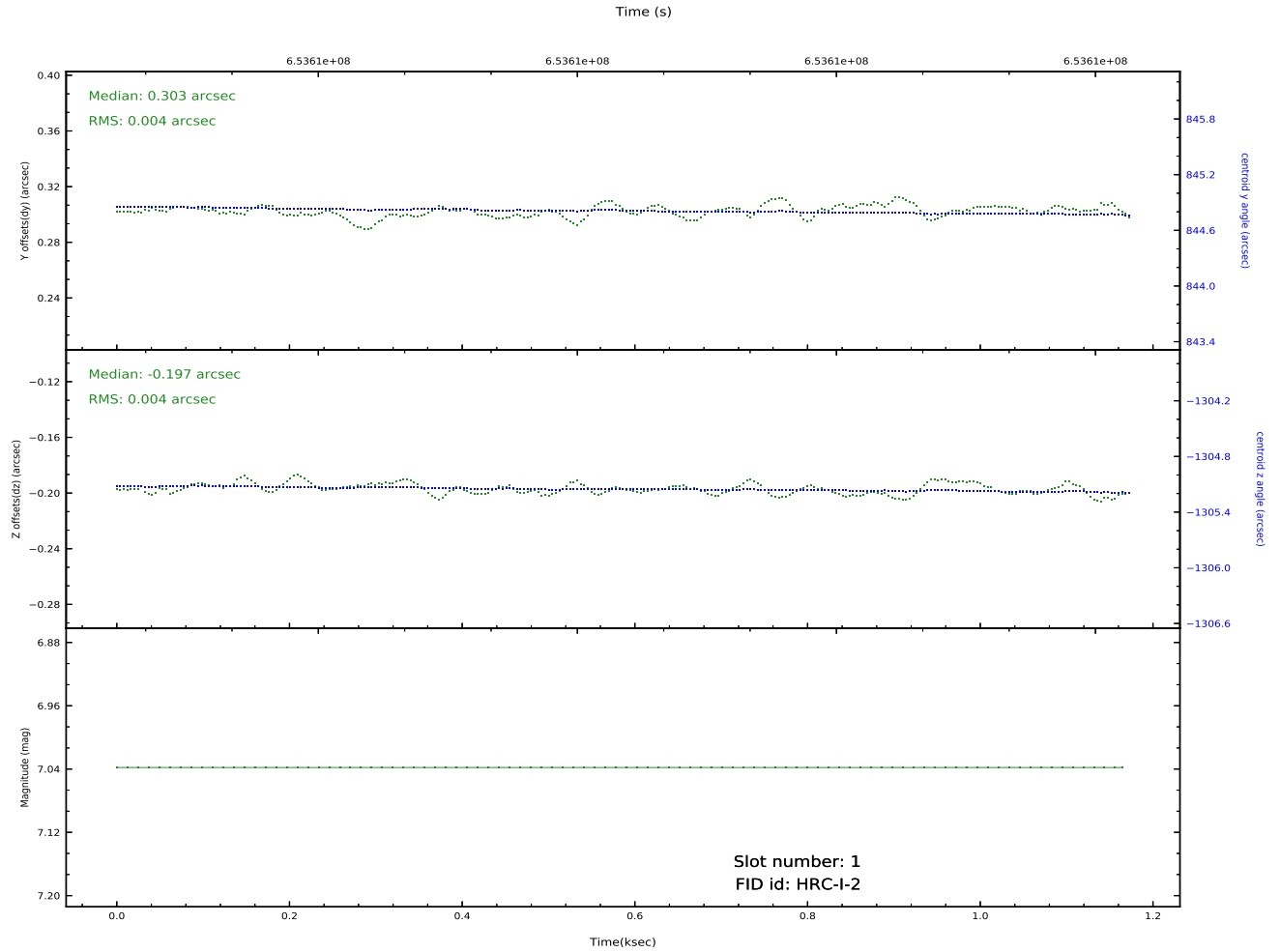
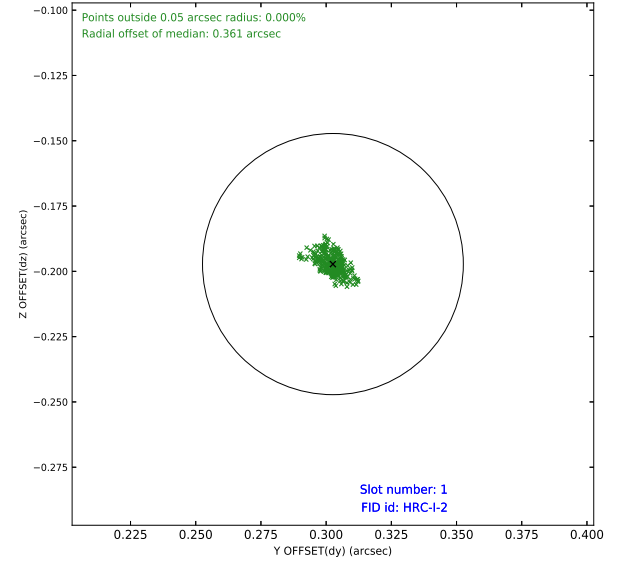
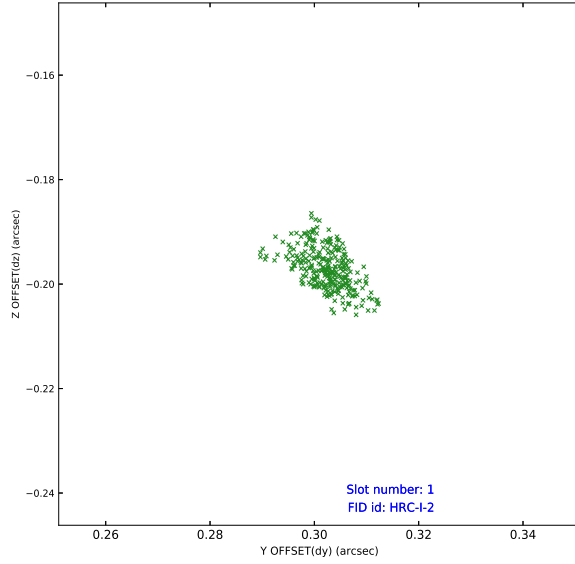


2.5 FID Slots

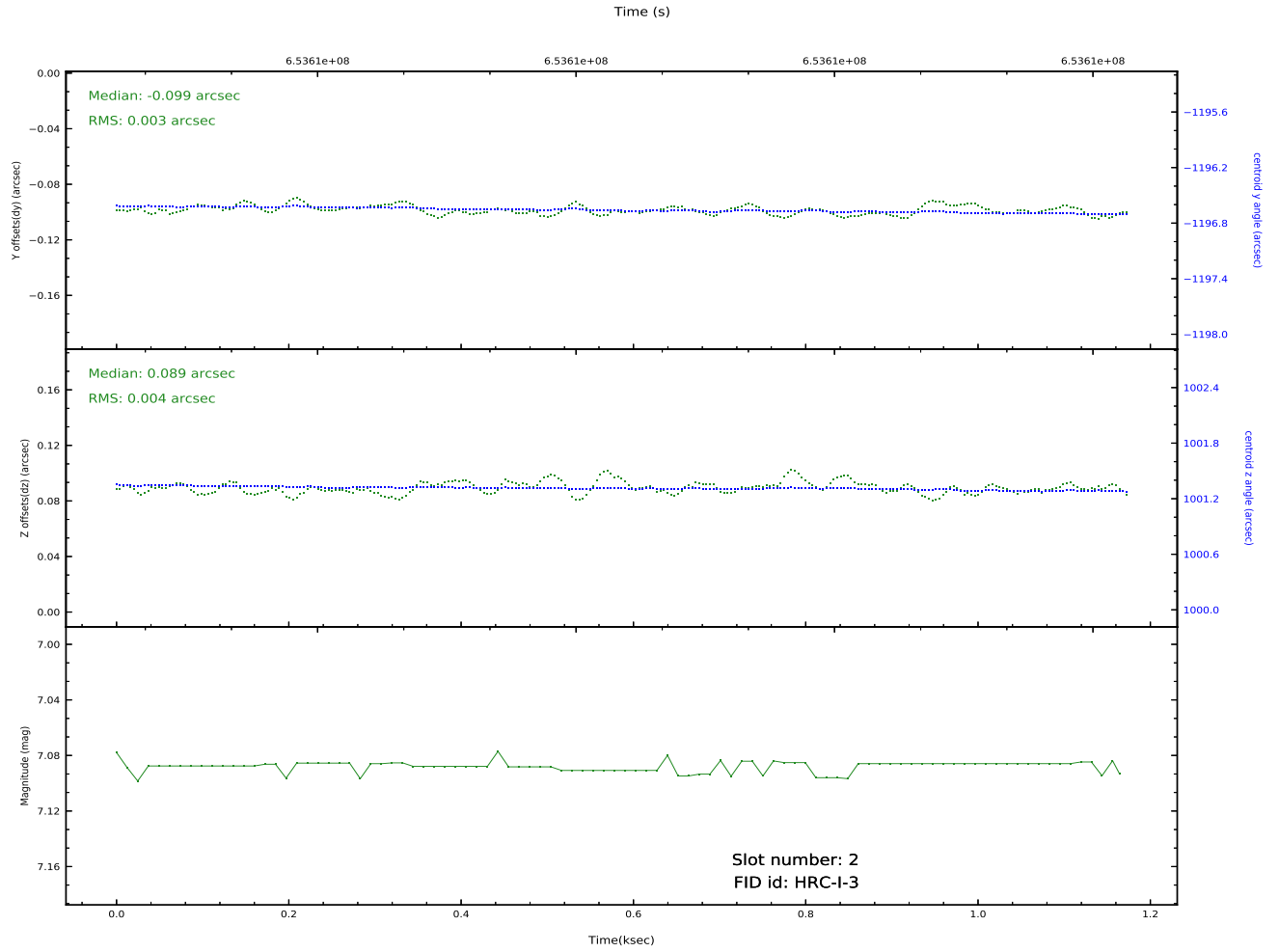
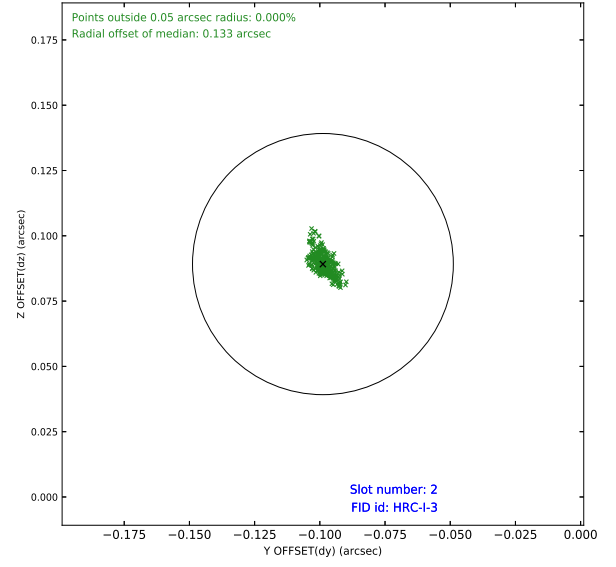
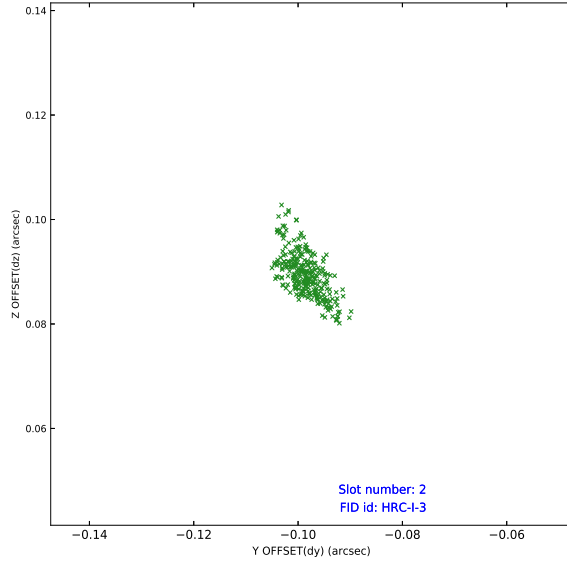
2.5.1 Slot 0



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	1.1736250698566

A.2 Comments