

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5988 - L2 Version 5
Chandra X-Ray Center

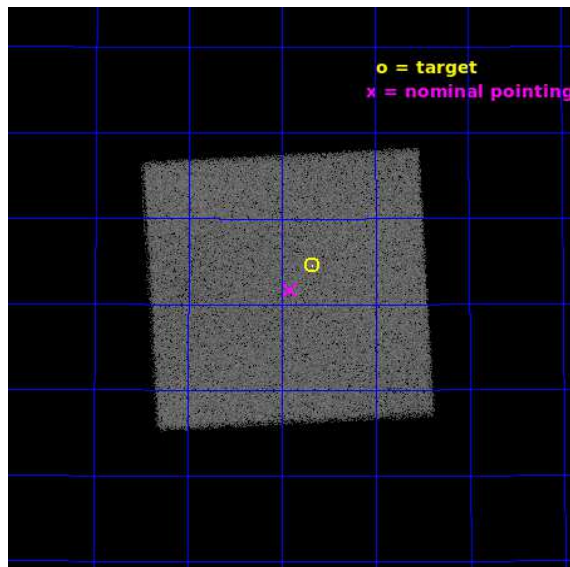
L2 Processing Date : Oct 10 2020

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1 Front

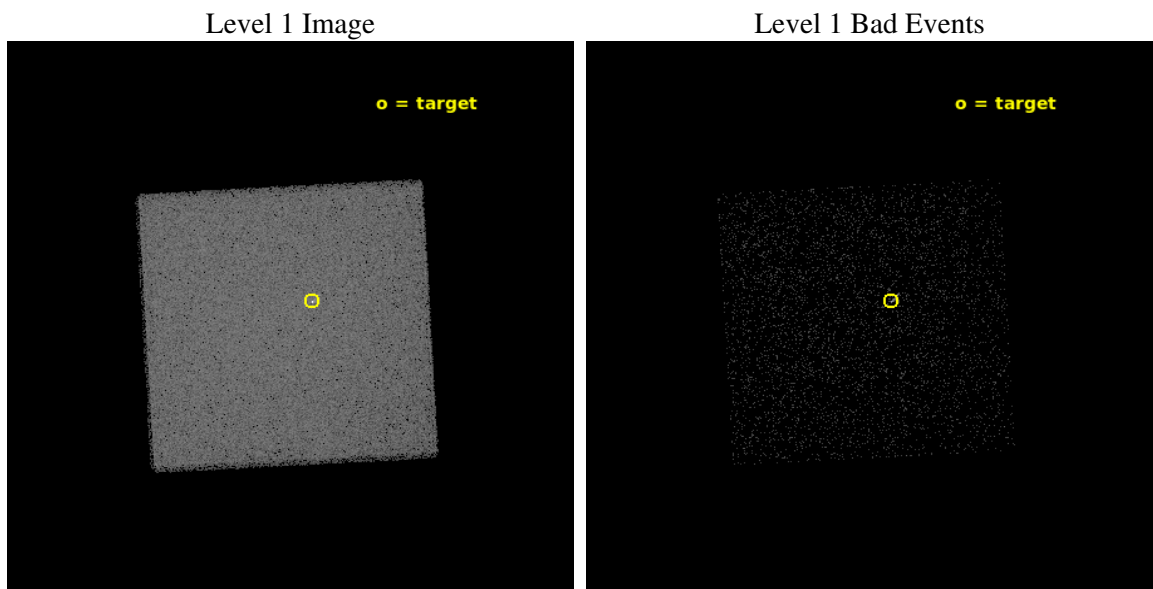
seq_num	290480	Sequence number
obs_id	5988	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22873782264	Nominal RA [deg]
dec_nom	45.695358512535	Nominal Dec [deg]
roll_nom	221.82013113826	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1177.9813041985	[s]
livetime	286.52793254398	Ontime multiplied by DTCOR
l2events	169184	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	1177.9813041985	[s]
caldbver	4.9.2	 	l1events	278208	Number of level 1 events
date	2020-10-10T14:04:15	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

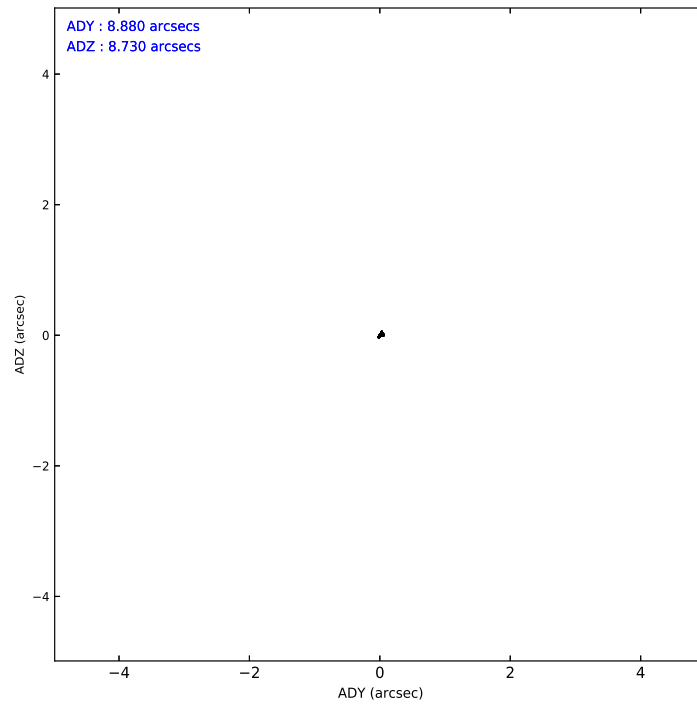
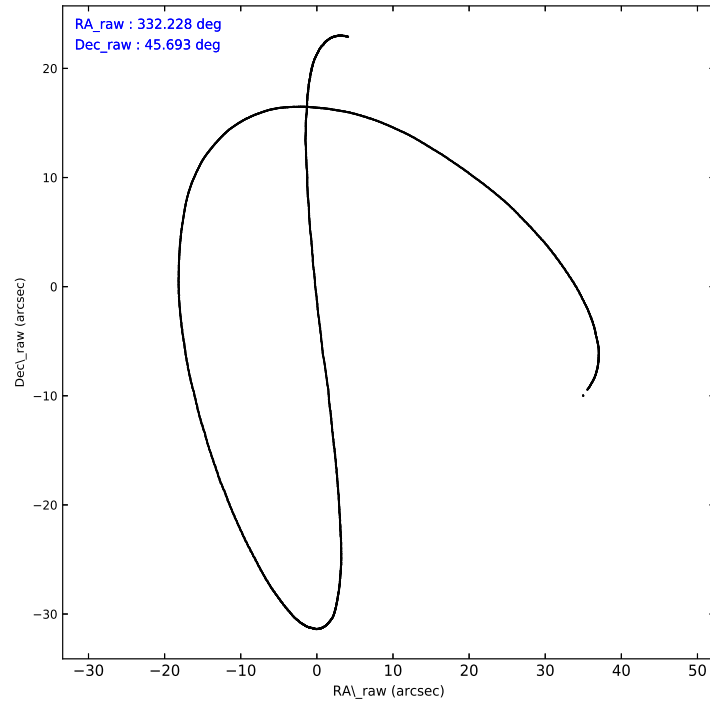
	segment 0
level 1 events	278208
rejected events	61002
rejected %	21%

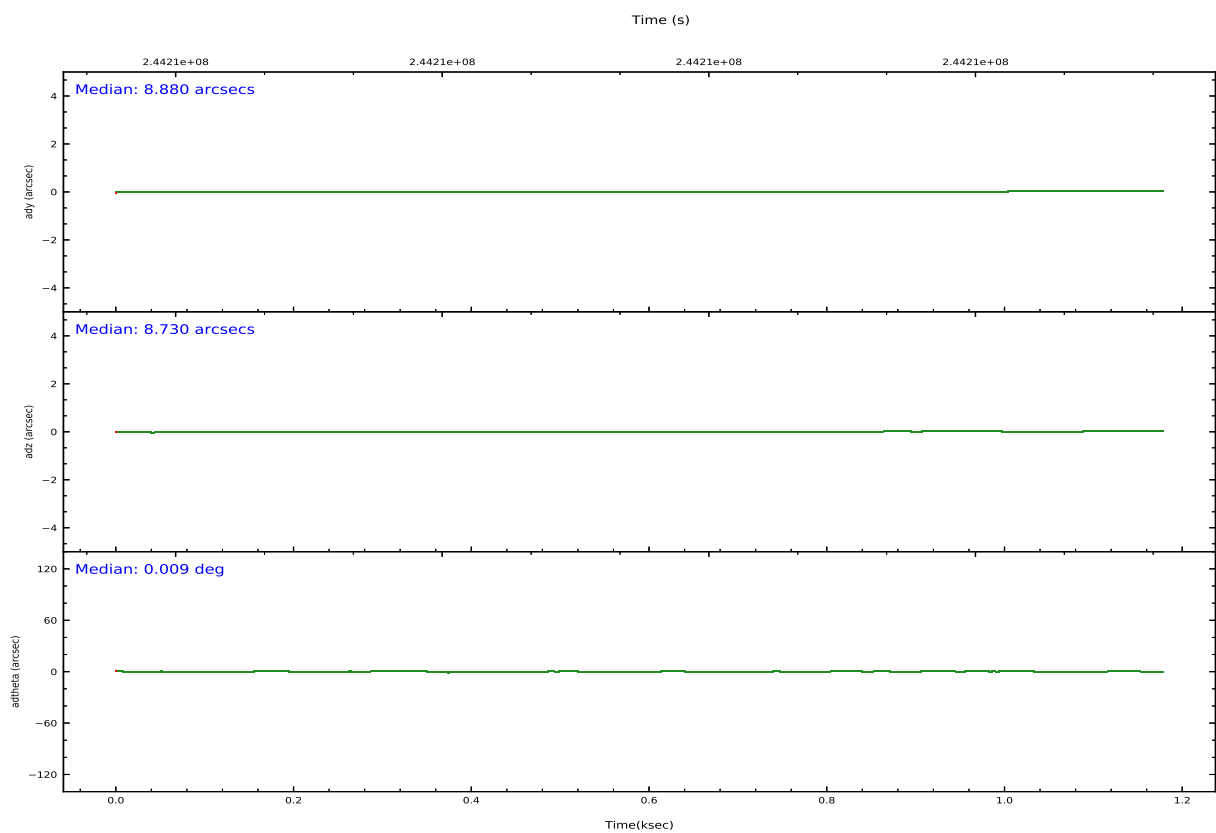
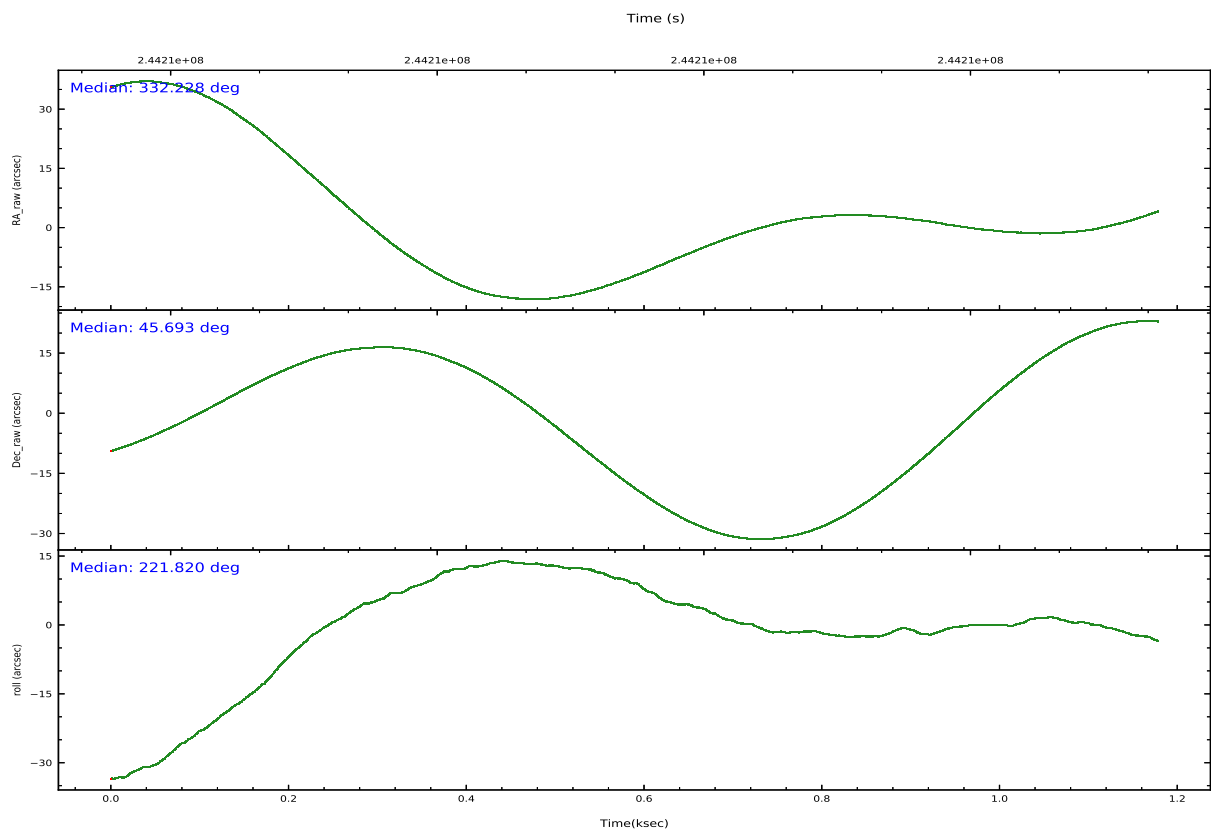
2.2 Compared Parameters

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	332.239434	332.22873782264
[deg] Pointing Dec	45.717289	45.695358512535
[deg] Pointing Roll	221.915603	221.82013113826
[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)	244212812.184000	244212436.26021
Observation start date	2005-09-27T12:52:28	2005-09-27T12:47:16
[s] Observation end time (MET)	244213812.184000	244213946.08528
Observation end date	2005-09-27T13:09:08	2005-09-27T13:12:26

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

2.3 Aspect



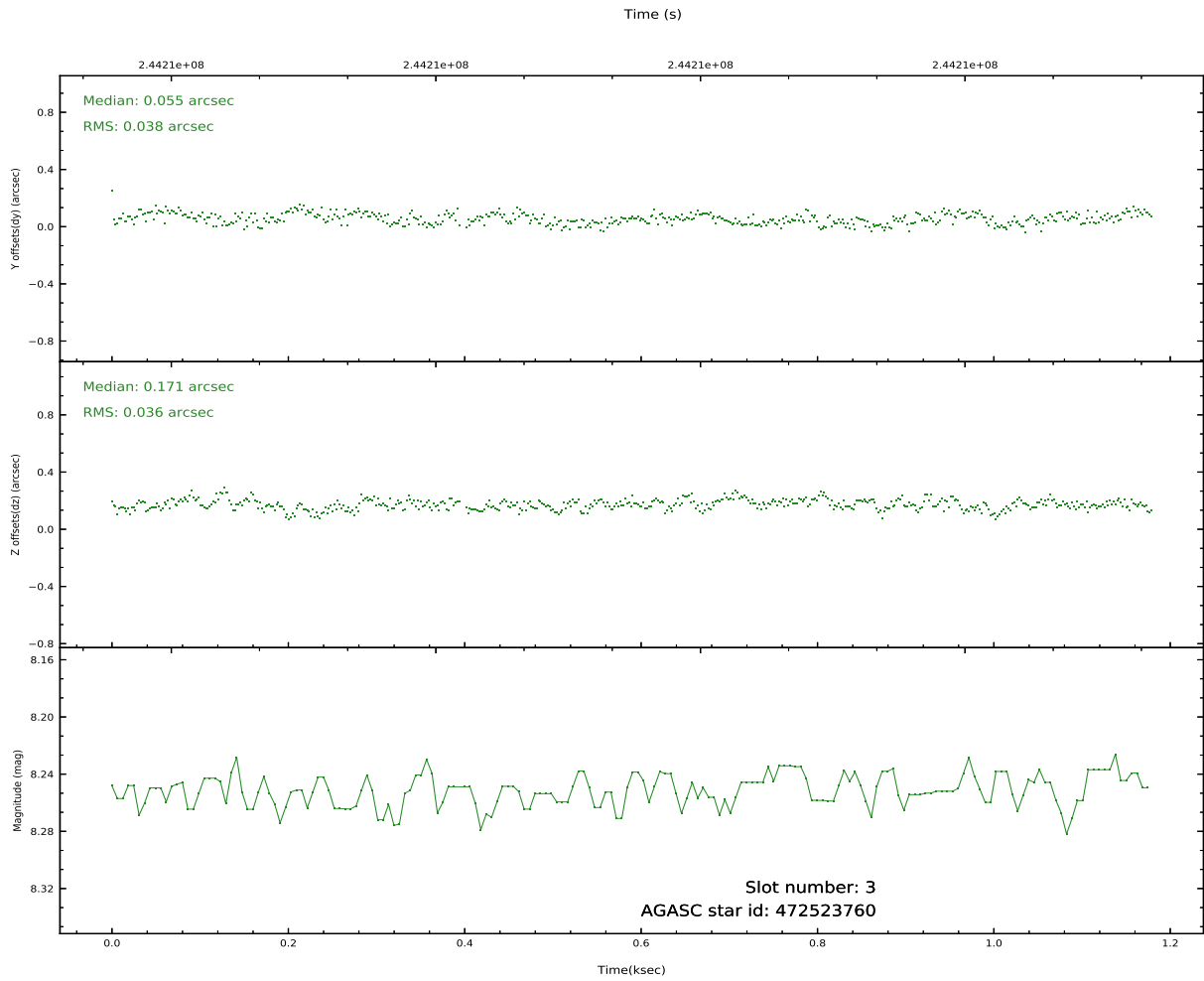
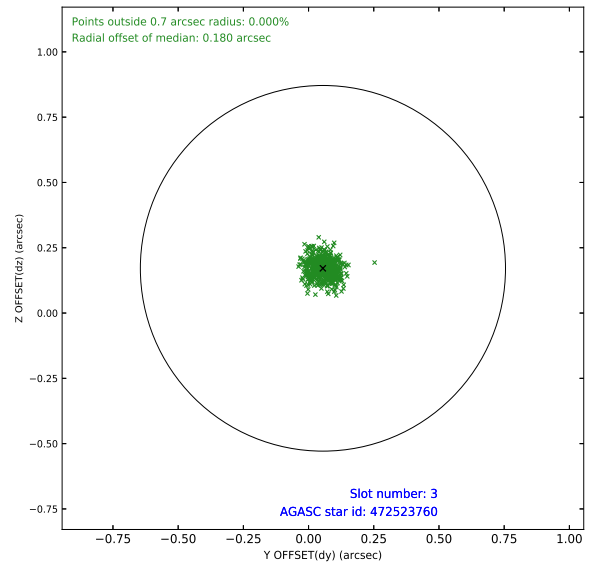
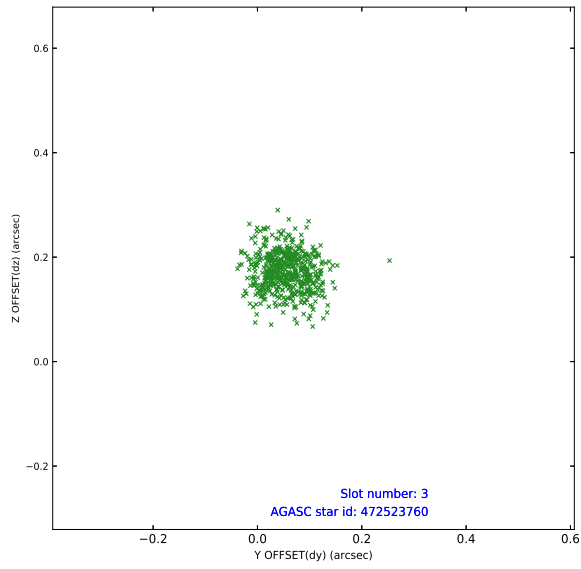


Slot Statistics

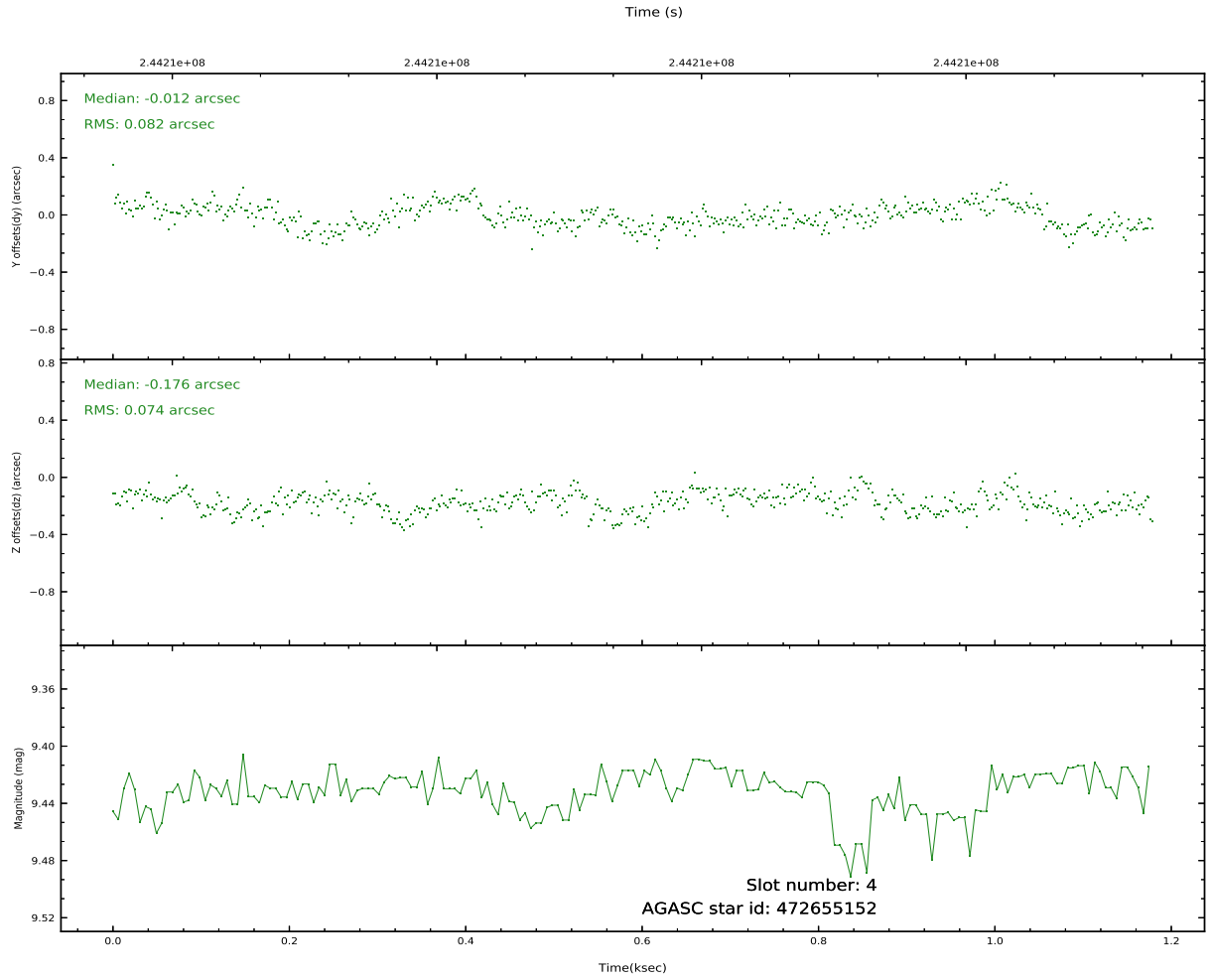
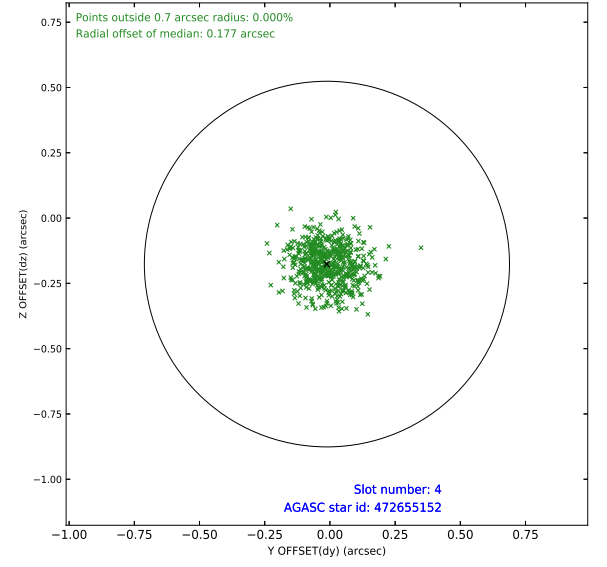
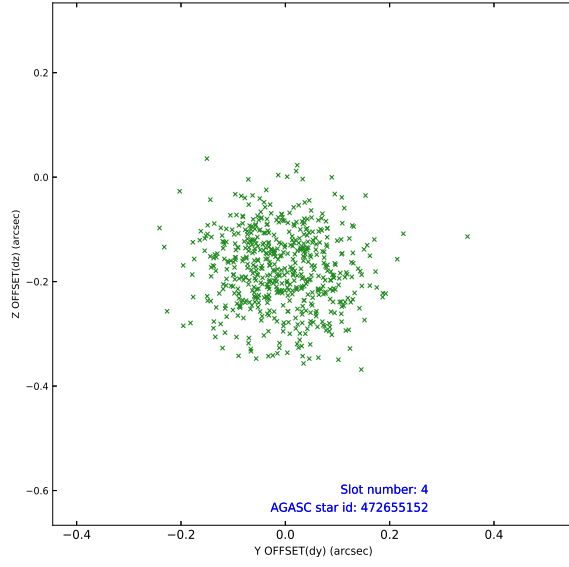
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	288	1.000	-0.034	0.039	0.008	0.014	0.000000	0.000000	-764.56	-1296
1	FID		HRC-I-2	7.02	288	1.000	0.185	-0.125	0.006	0.011	0.000000	0.000000	845.64	-1302
2	FID		HRC-I-3	7.06	288	1.000	-0.031	-0.003	0.007	0.011	0.000000	0.000000	-1190.10	1003
3	GUIDE	used	472523760	8.25	573	1.000	0.055	0.171	0.056	0.092	331.645363	45.403260	1870.58	-165
4	GUIDE	used	472655152	9.43	576	1.000	-0.012	-0.176	0.118	0.184	332.504239	45.862991	-840.28	52
5	GUIDE	used	472665256	9.01	576	1.000	0.064	0.022	0.089	0.201	332.808125	46.195041	-2206.67	-335
6	GUIDE	used	472525528	6.66	576	1.000	-0.104	-0.118	0.066	0.111	331.551102	45.248694	2417.71	84
7	GUIDE	used	472659832	9.47	575	1.000	-0.003	0.109	0.106	0.176	332.780399	46.098139	-1918.14	-120

2.4 Star Slots

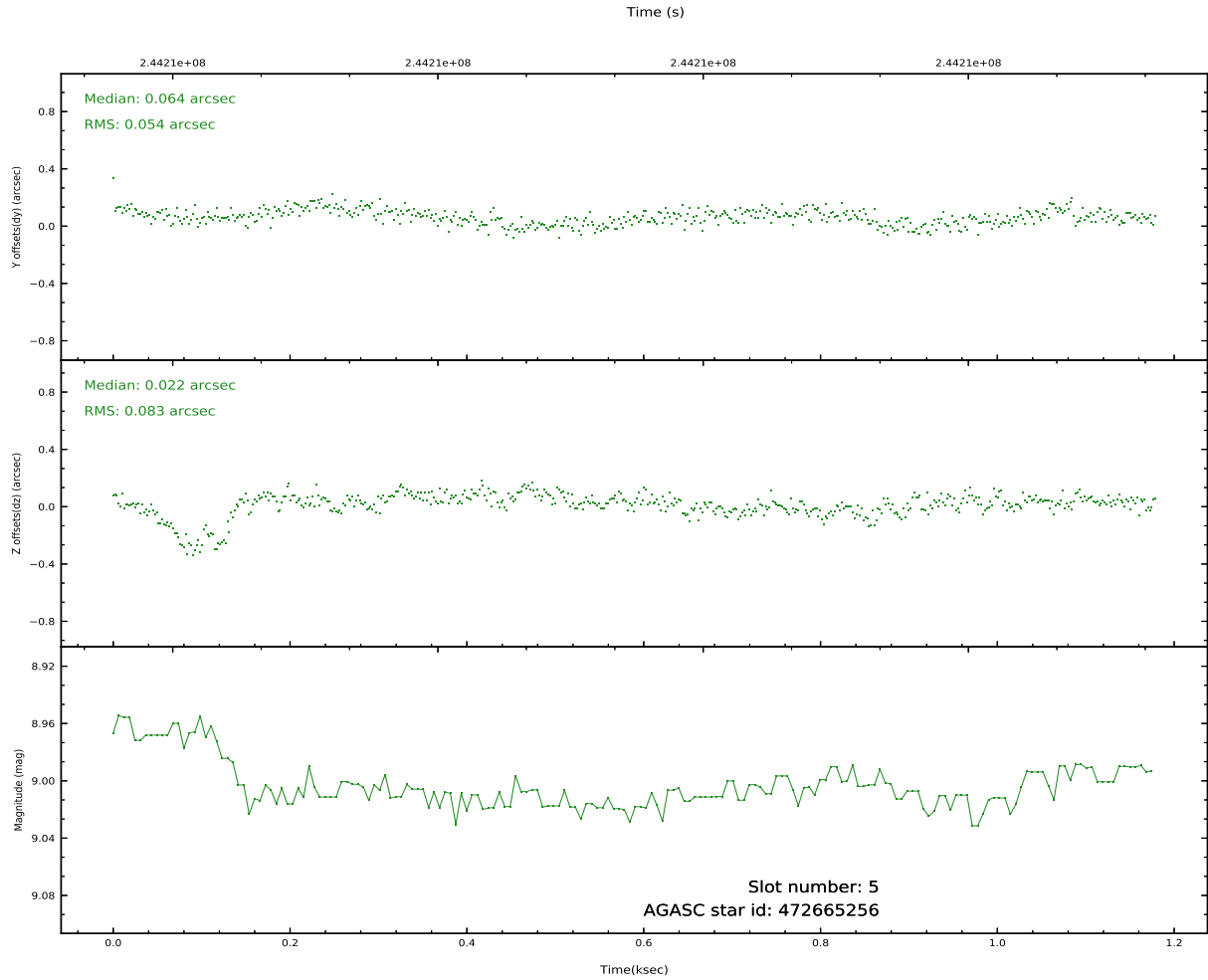
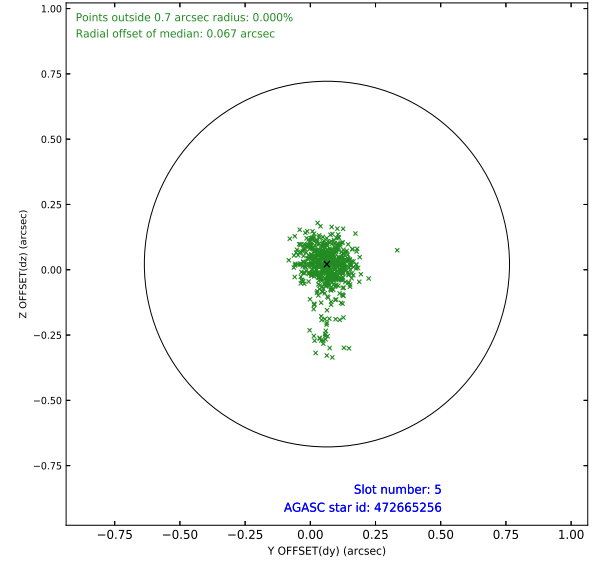
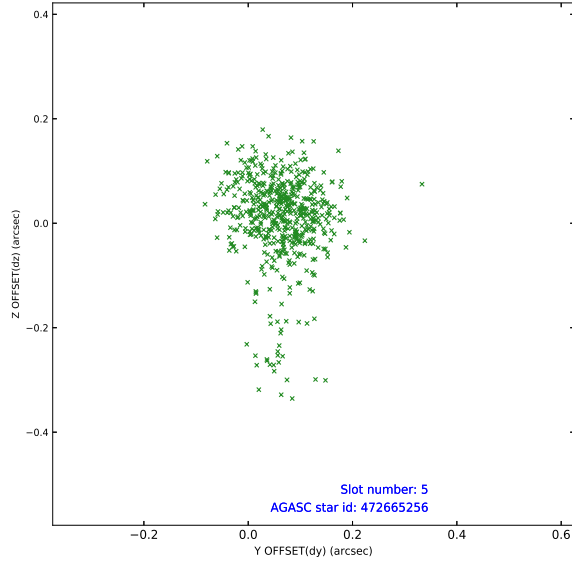
2.4.1 Slot 3



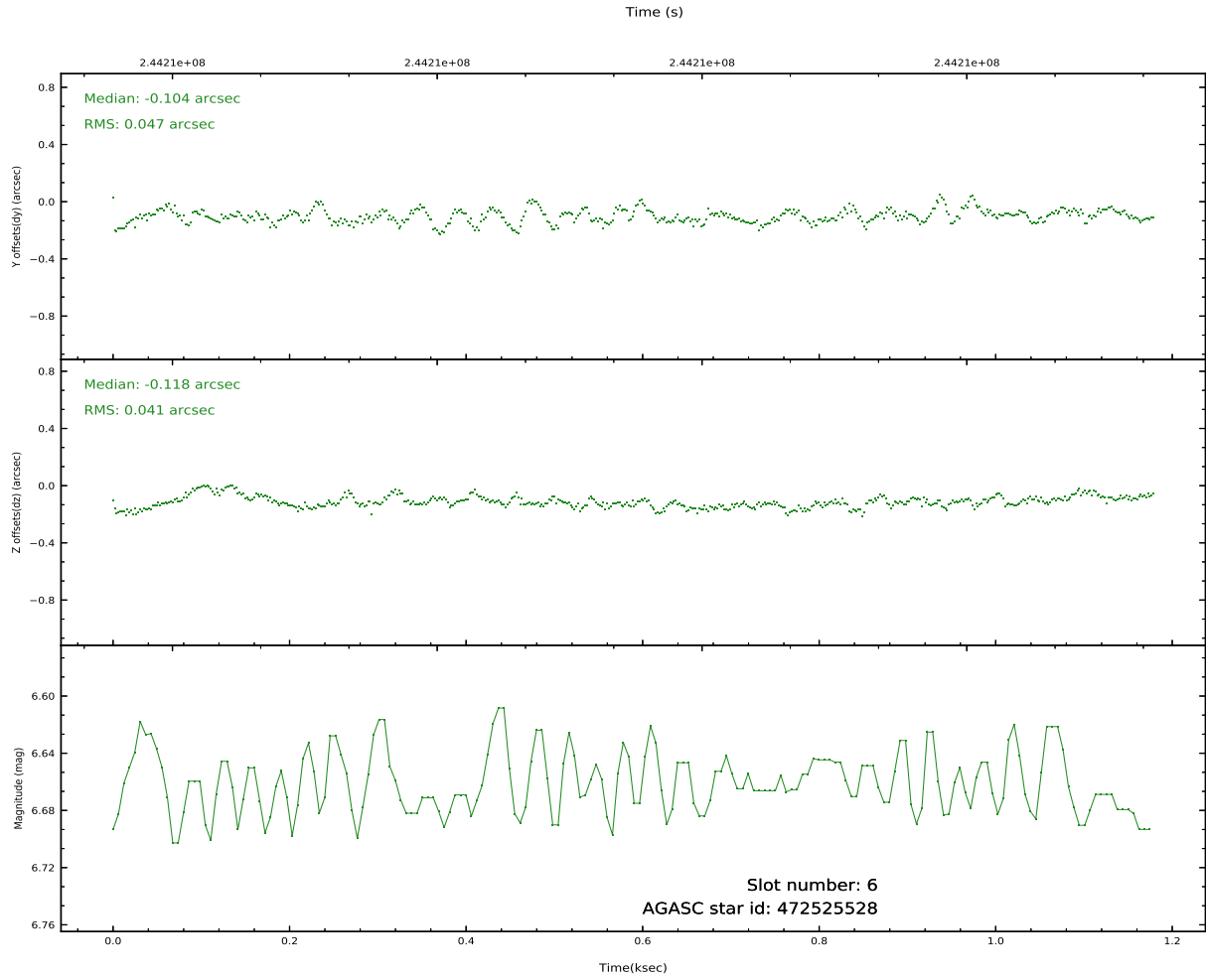
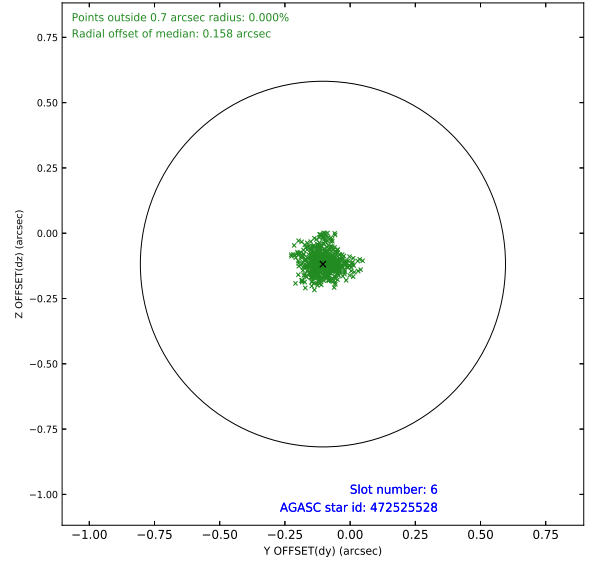
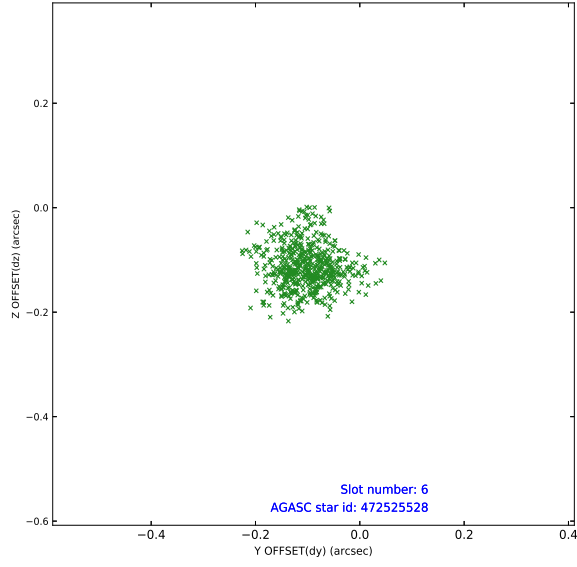
2.4.2 Slot 4



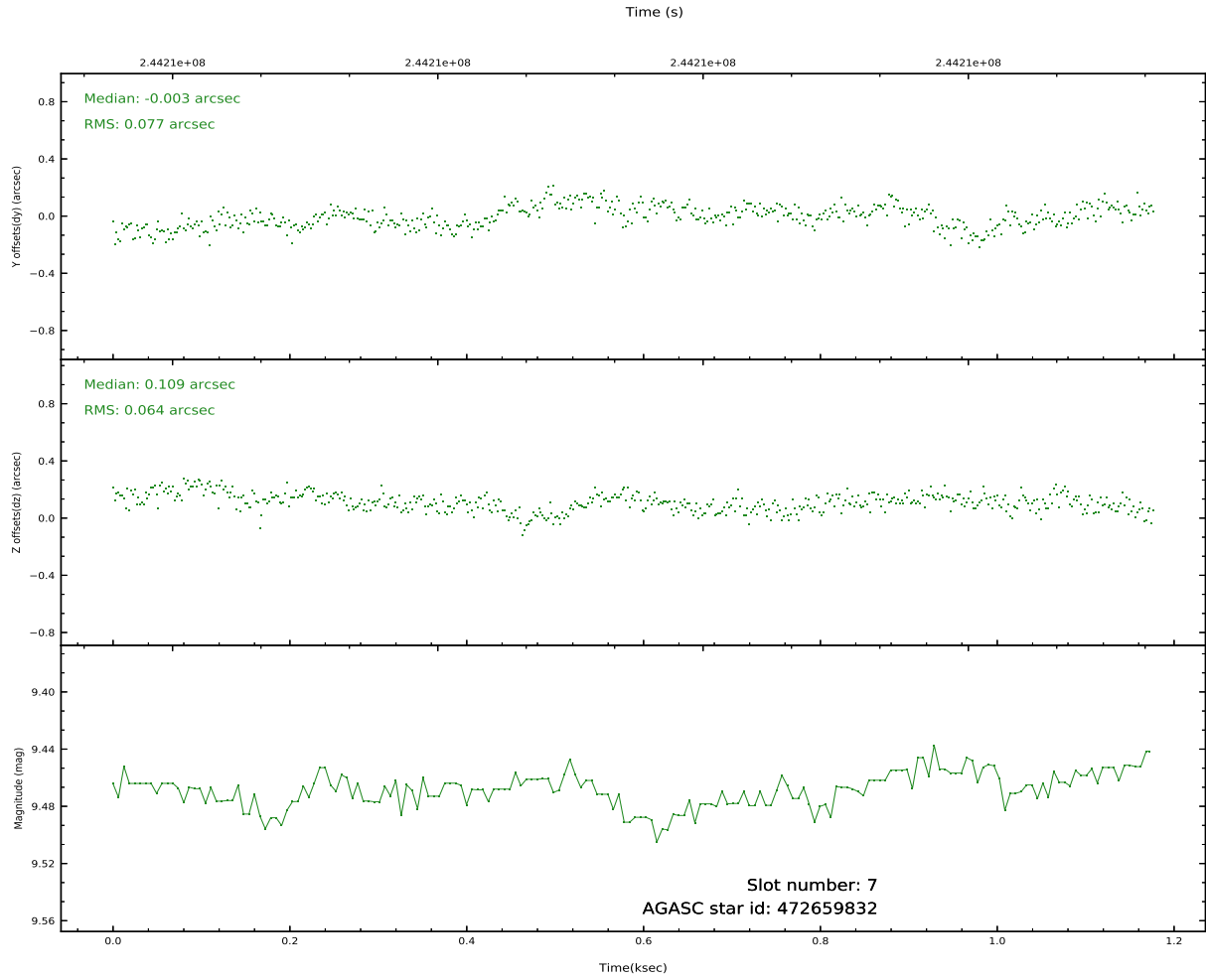
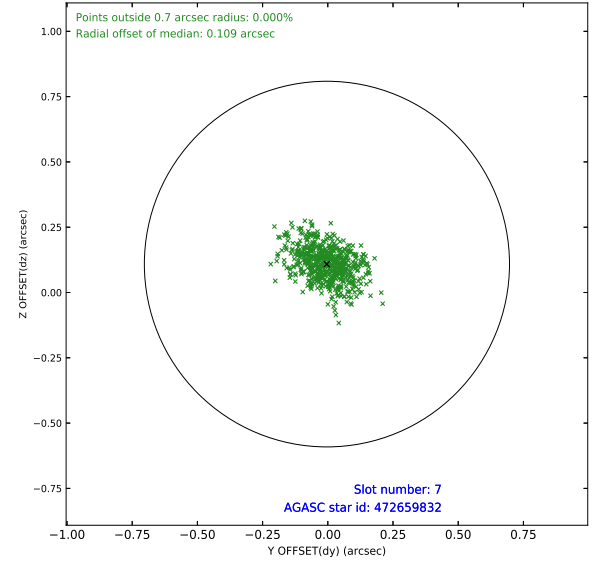
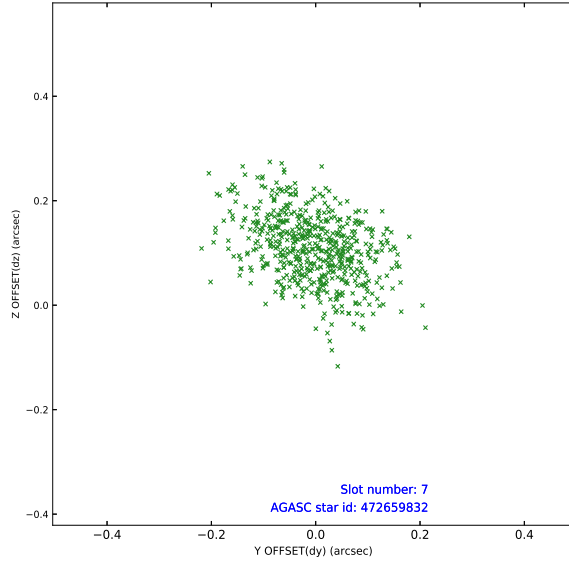
2.4.3 Slot 5



2.4.4 Slot 6

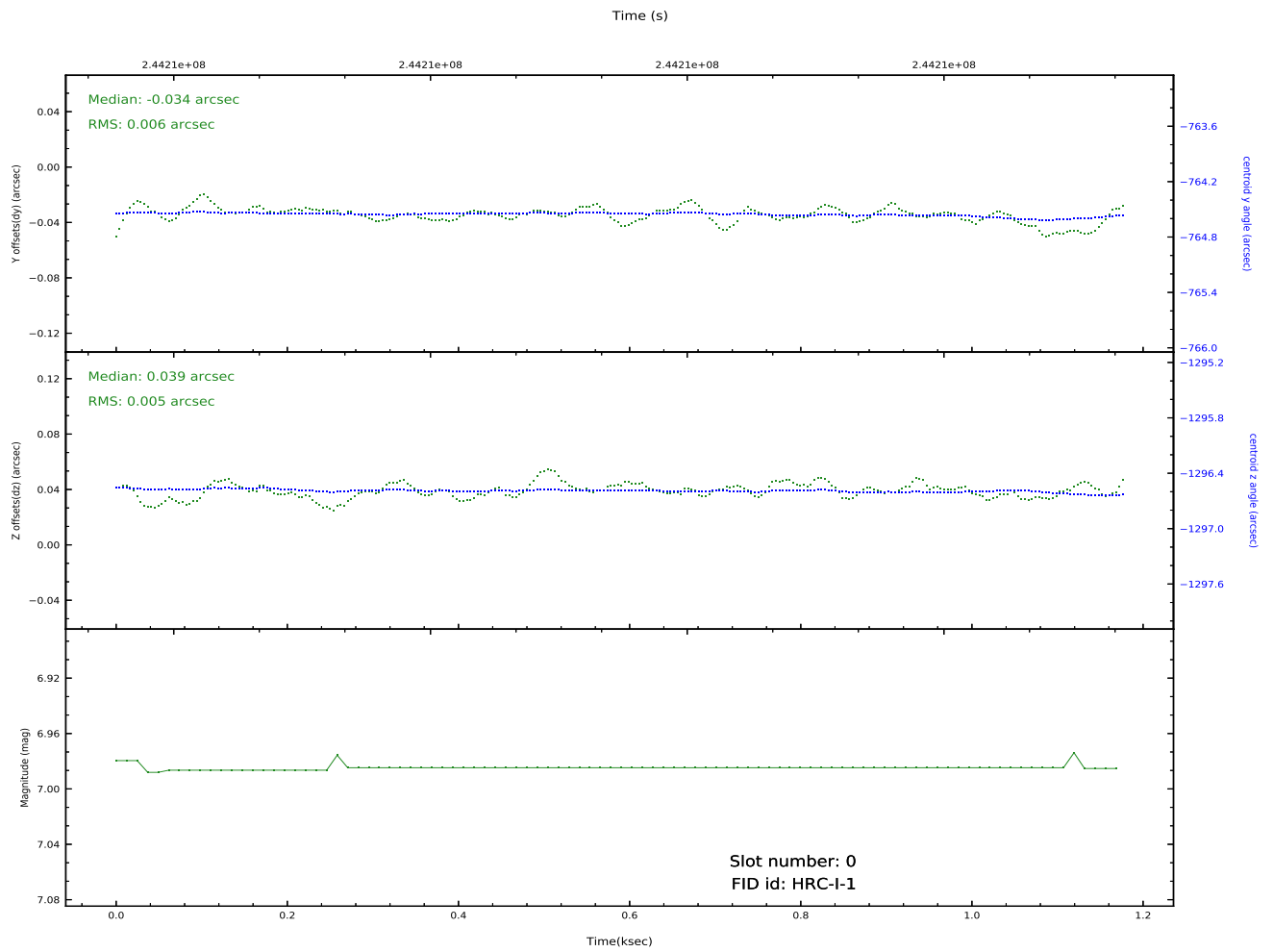
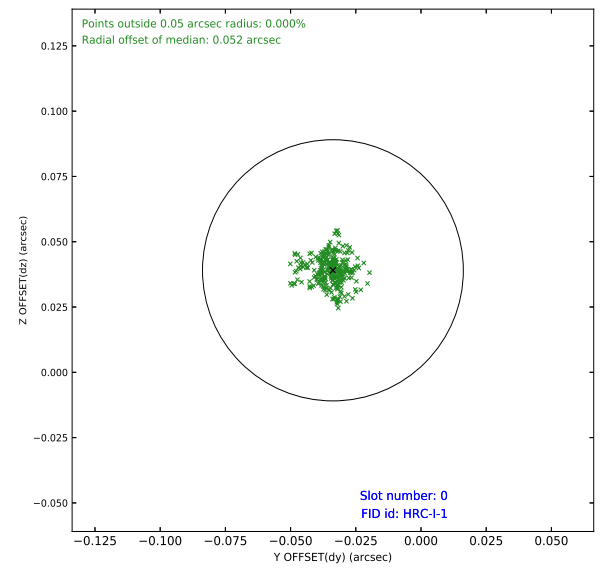
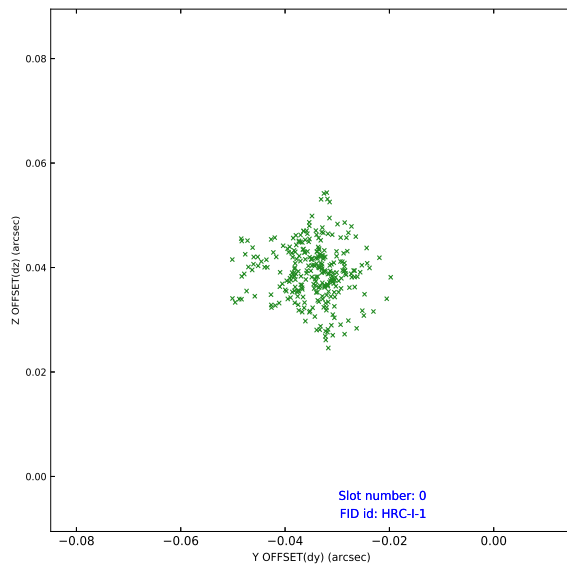


2.4.5 Slot 7

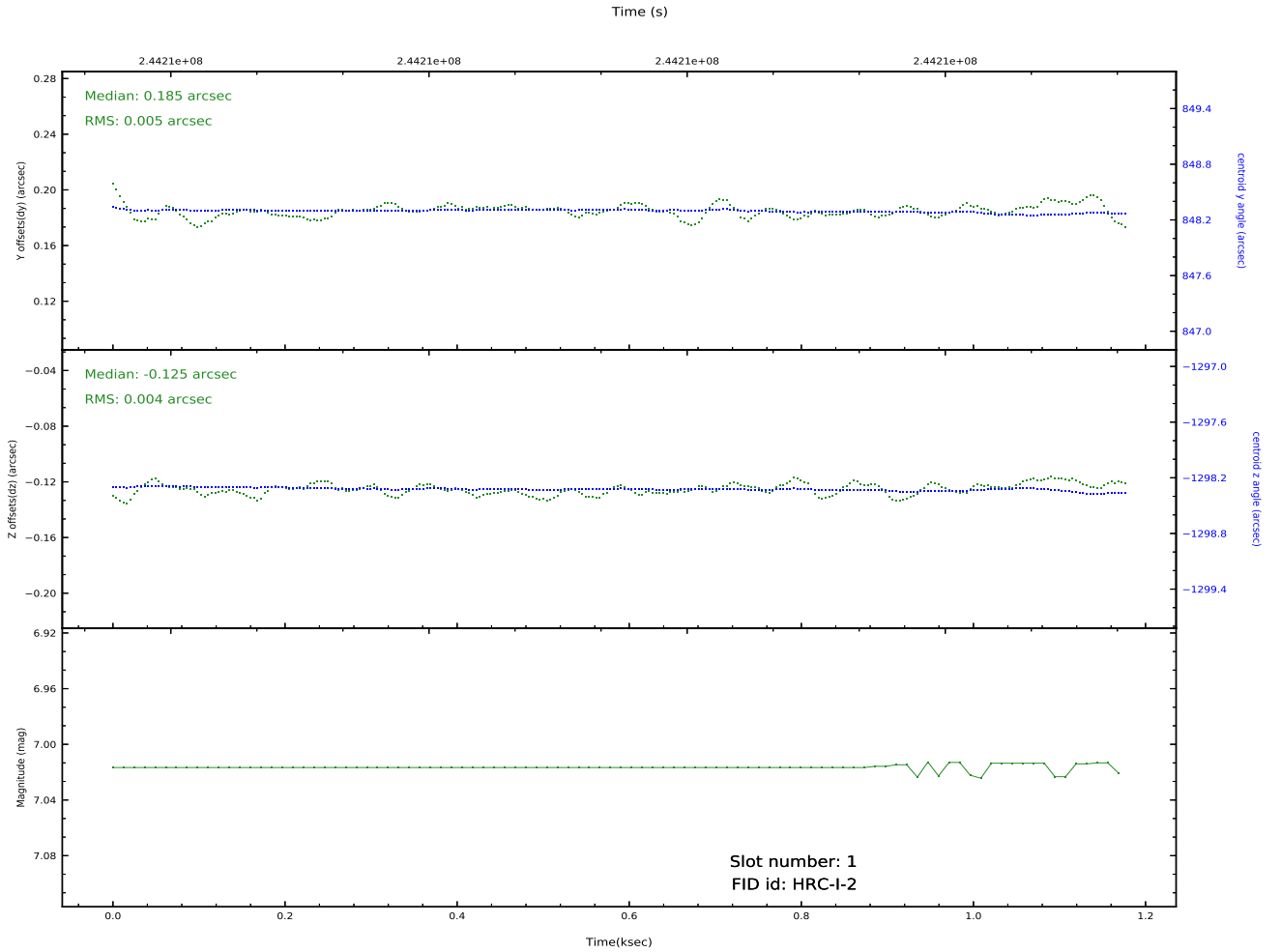
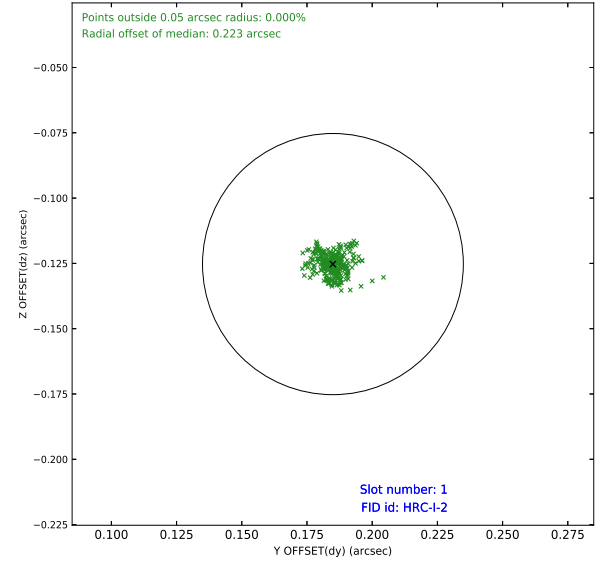
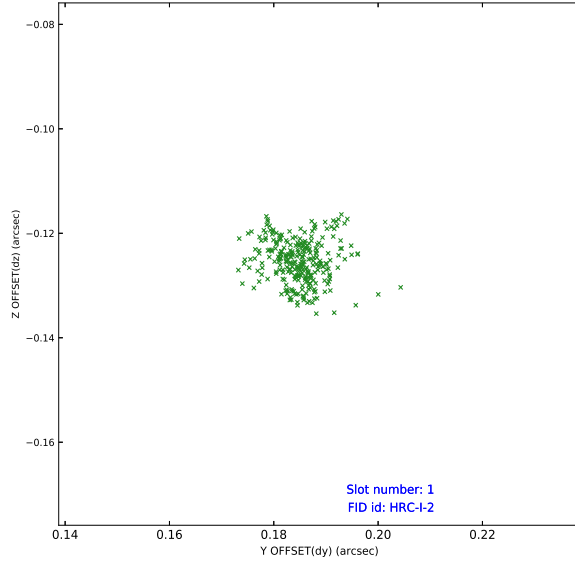


2.5 FID Slots

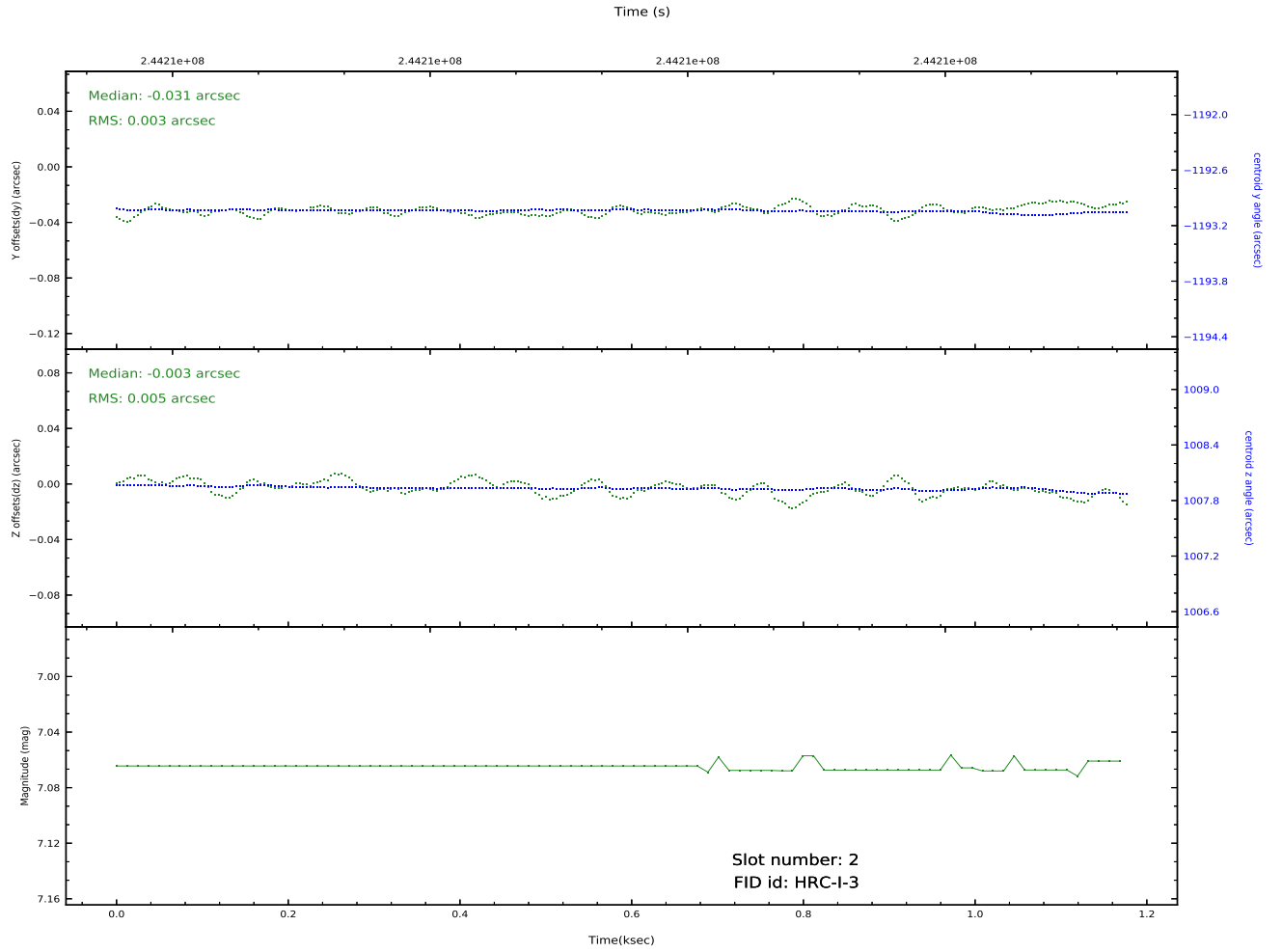
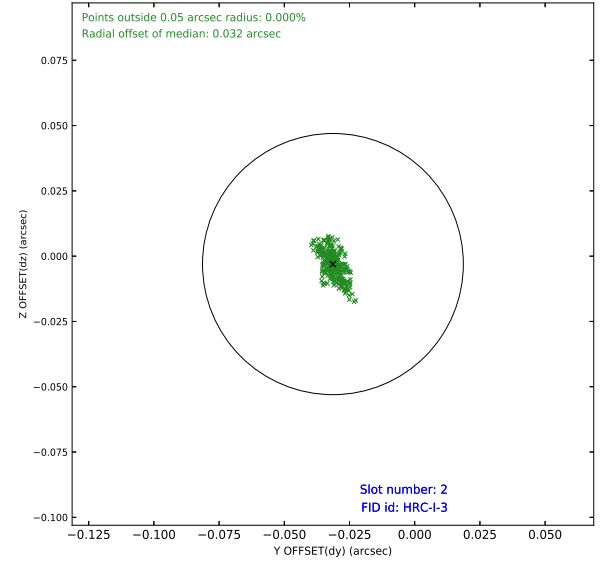
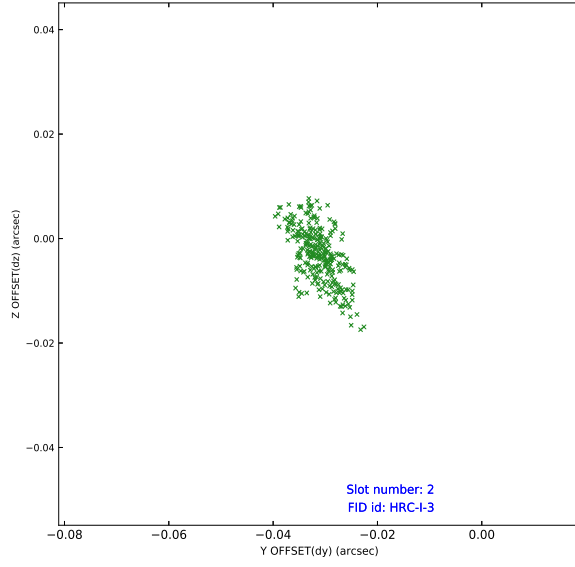
2.5.1 Slot 0



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)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.177981

A.2 Comments