

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20704 - L2 Version 2
Chandra X-Ray Center

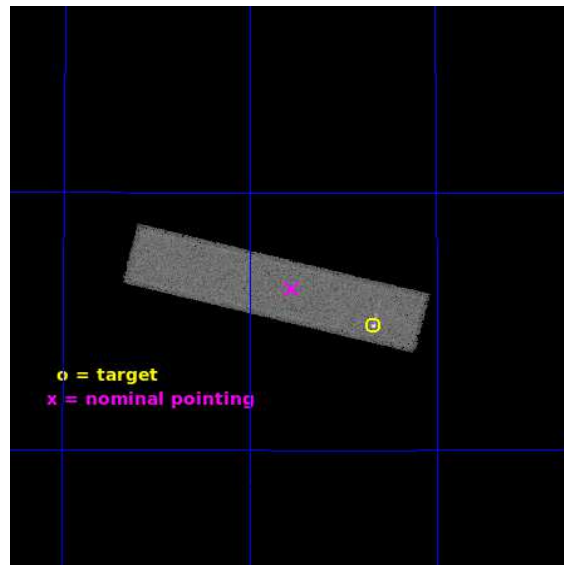
L2 Processing Date : Oct 27 2020

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1 Front

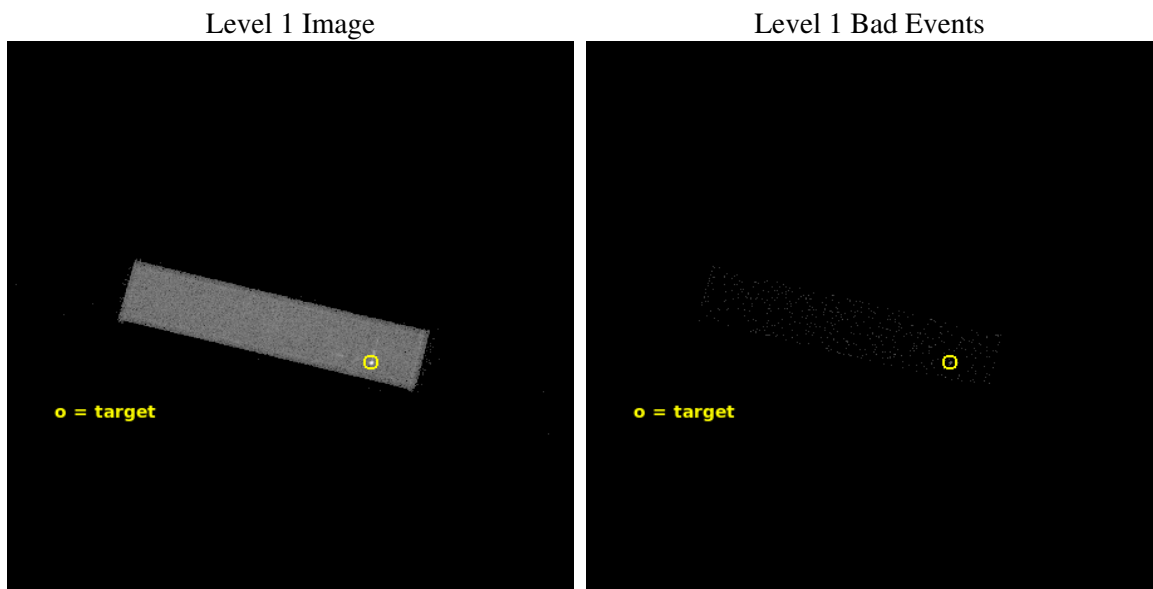
seq_num	291415	Sequence number
obs_id	20704	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.386815388	Nominal RA [deg]
dec_nom	45.814149957551	Nominal Dec [deg]
roll_nom	194.03372670248	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1175.931319952	[s]
livetime	1164.9312480592	Ontime multiplied by DTCOR
l2events	86275	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	1175.931319952	[s]
caldsver	4.9.3	 	l1events	118679	Number of level 1 events
date	2020-10-27T17:07:56	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

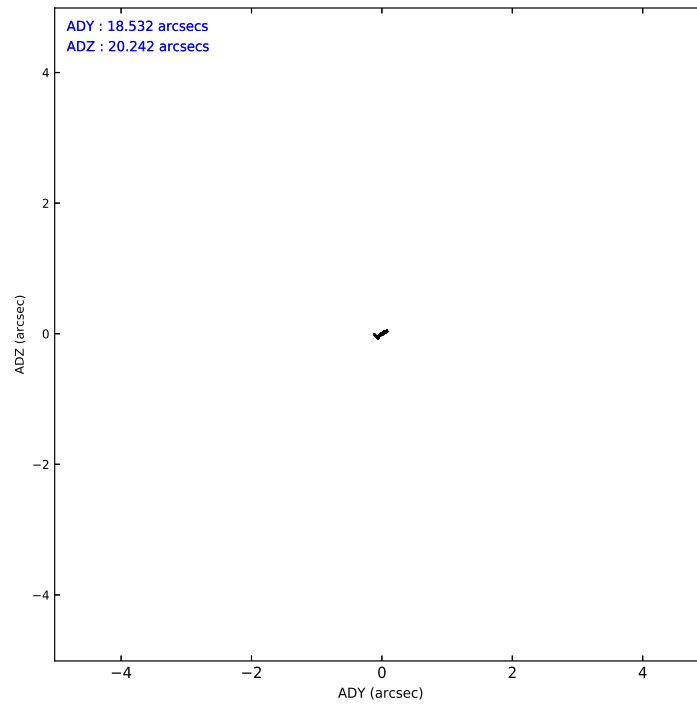
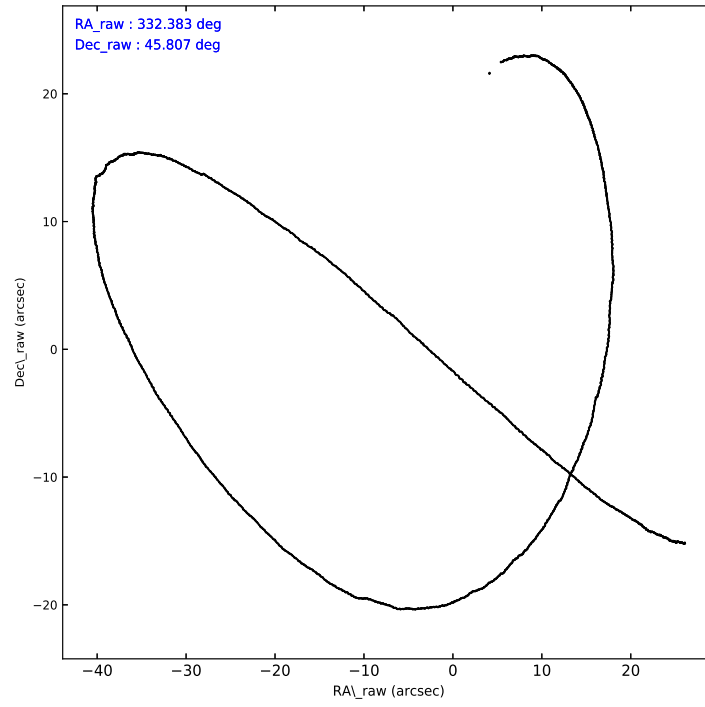
	segment 1	segment 2	segment 3
level 1 events	6	118669	4
rejected events	6	19319	4
rejected %	100%	16%	100%

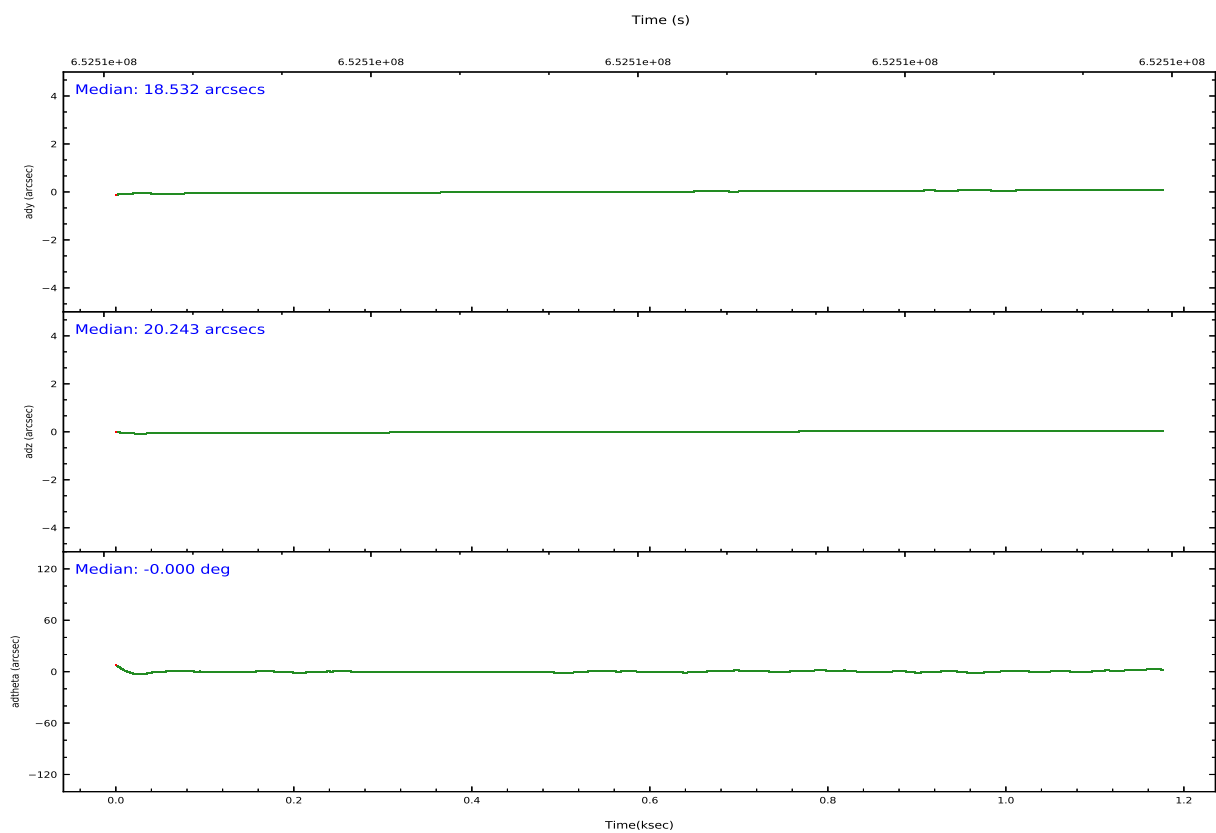
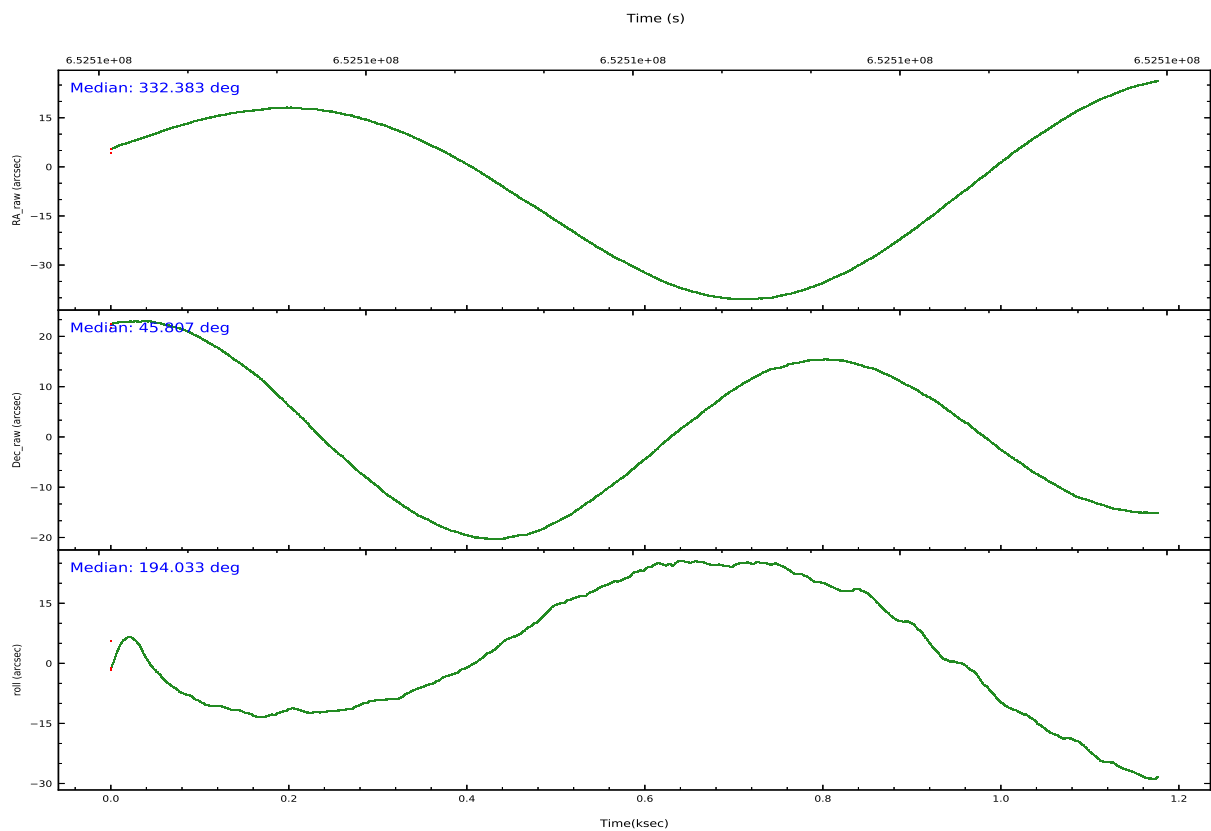
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.409167	332.386815388
[deg] Pointing Dec	45.828103	45.814149957551
[deg] Pointing Roll	193.951518	194.03372670248
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	652508091.184000	652507715.16386
Observation start date	2018-09-05T04:13:42	2018-09-05T04:08:35
[s] Observation end time (MET)	652509091.184000	652509862.02648
Observation end date	2018-09-05T04:30:22	2018-09-05T04:44:22

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

2.3 Aspect



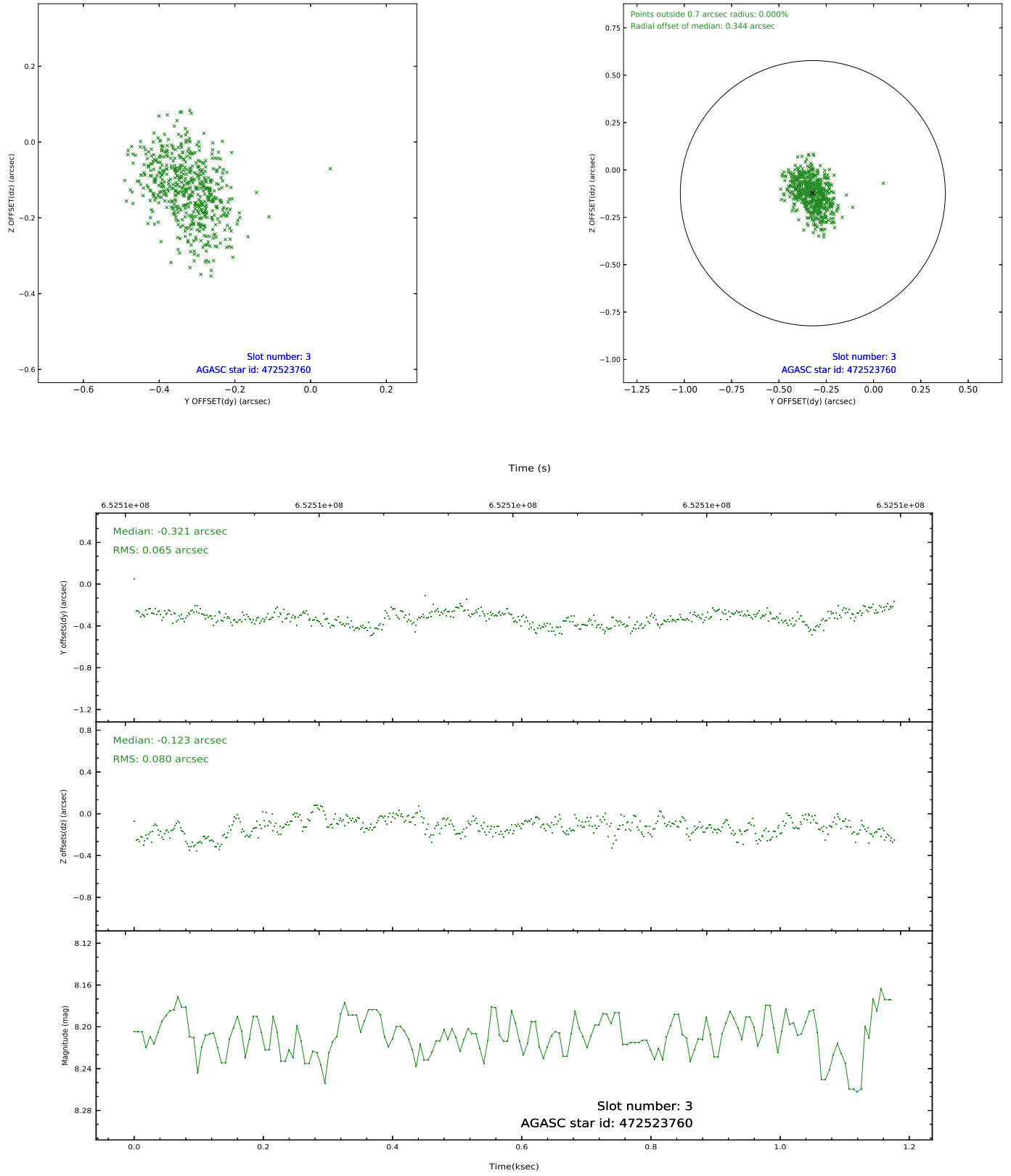


Slot Statistics

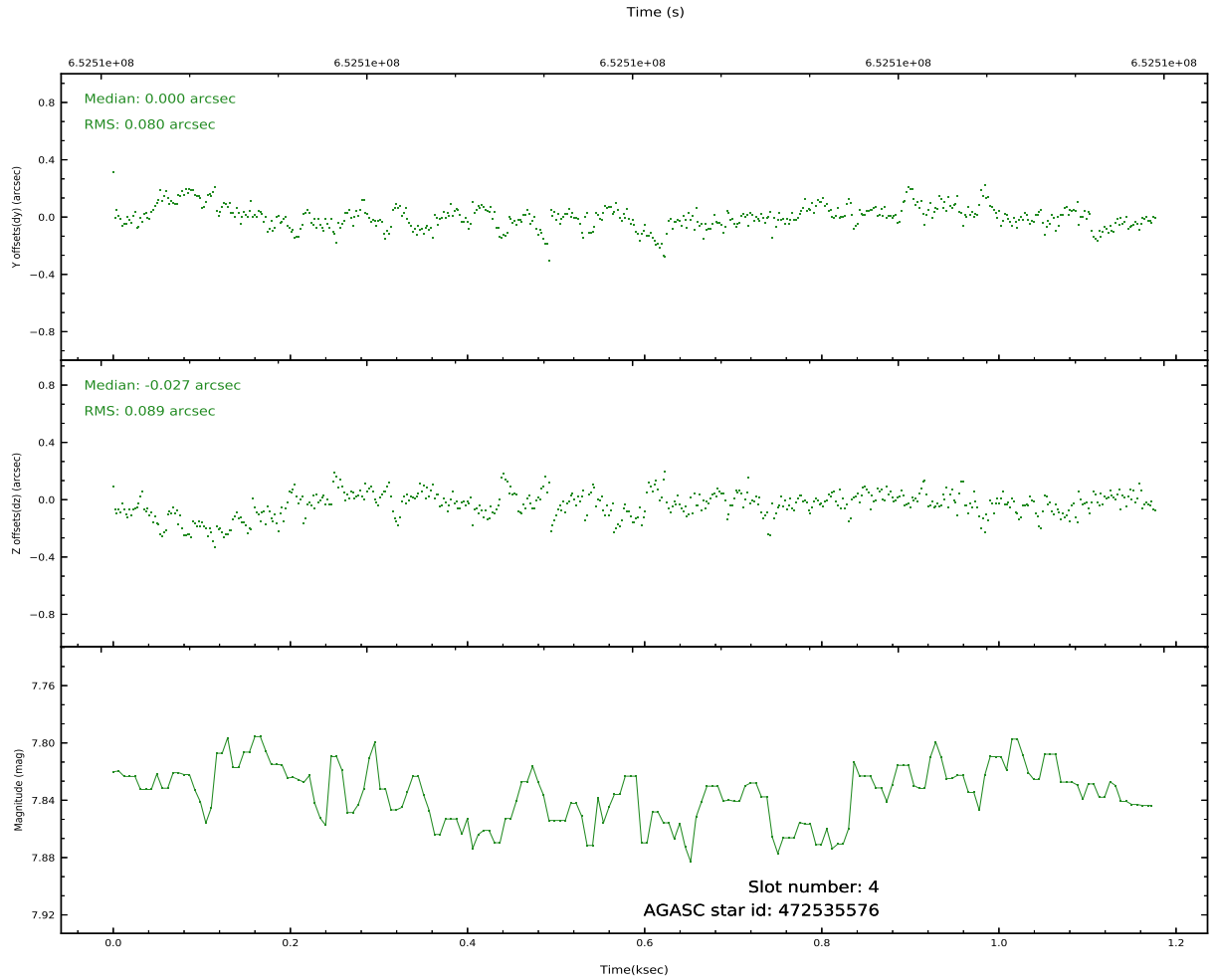
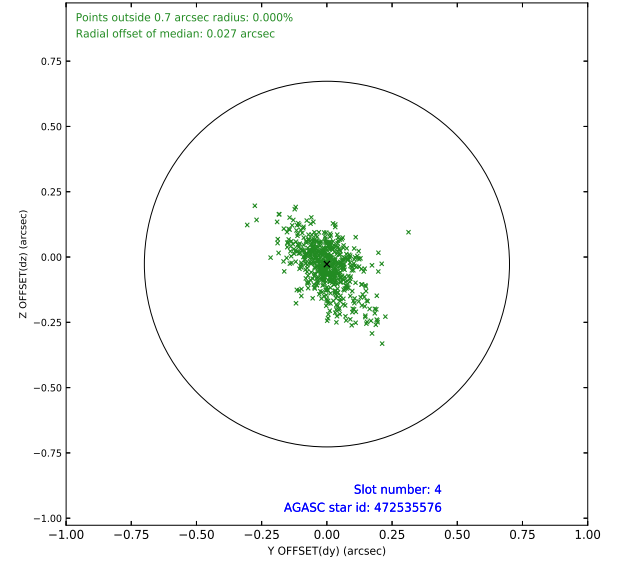
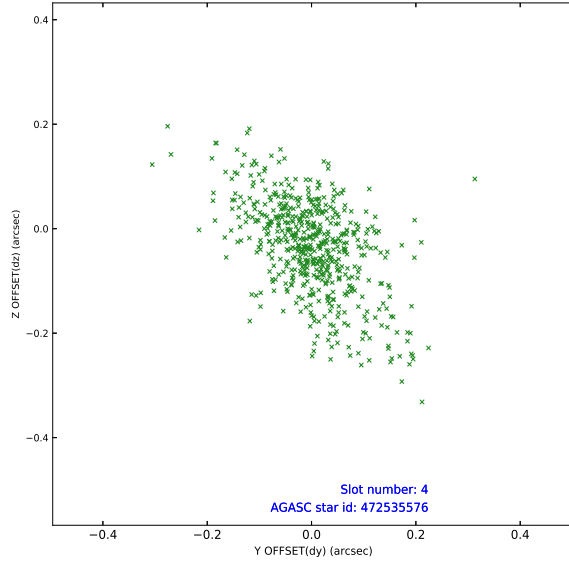
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.06	288	1.000	0.041	-0.123	0.007	0.013	0.000000	0.000000	-1173.08	-469
1	FID		HRC-S-2	7.02	288	1.000	0.181	-0.222	0.009	0.017	0.000000	0.000000	1222.65	-463
2	FID		HRC-S-4	7.02	288	1.000	0.182	0.040	0.008	0.014	0.000000	0.000000	1229.60	561
3	GUIDE	used	472523760	8.21	574	1.000	-0.321	-0.123	0.111	0.178	331.645363	45.403260	2241.79	1010
4	GUIDE	used	472535576	7.83	575	1.000	0.000	-0.027	0.116	0.228	331.438373	46.291802	1943.59	-2214
5	GUIDE	used	472655152	9.43	574	1.000	0.077	0.006	0.185	0.309	332.504239	45.862991	-256.41	-67
6	GUIDE	used	472665256	8.95	573	1.000	0.181	-0.012	0.151	0.265	332.808125	46.195041	-1282.33	-1044
7	GUIDE	used	472663088	8.94	574	1.000	0.058	0.166	0.163	0.262	332.931735	46.600119	-1925.82	-2391

2.4 Star Slots

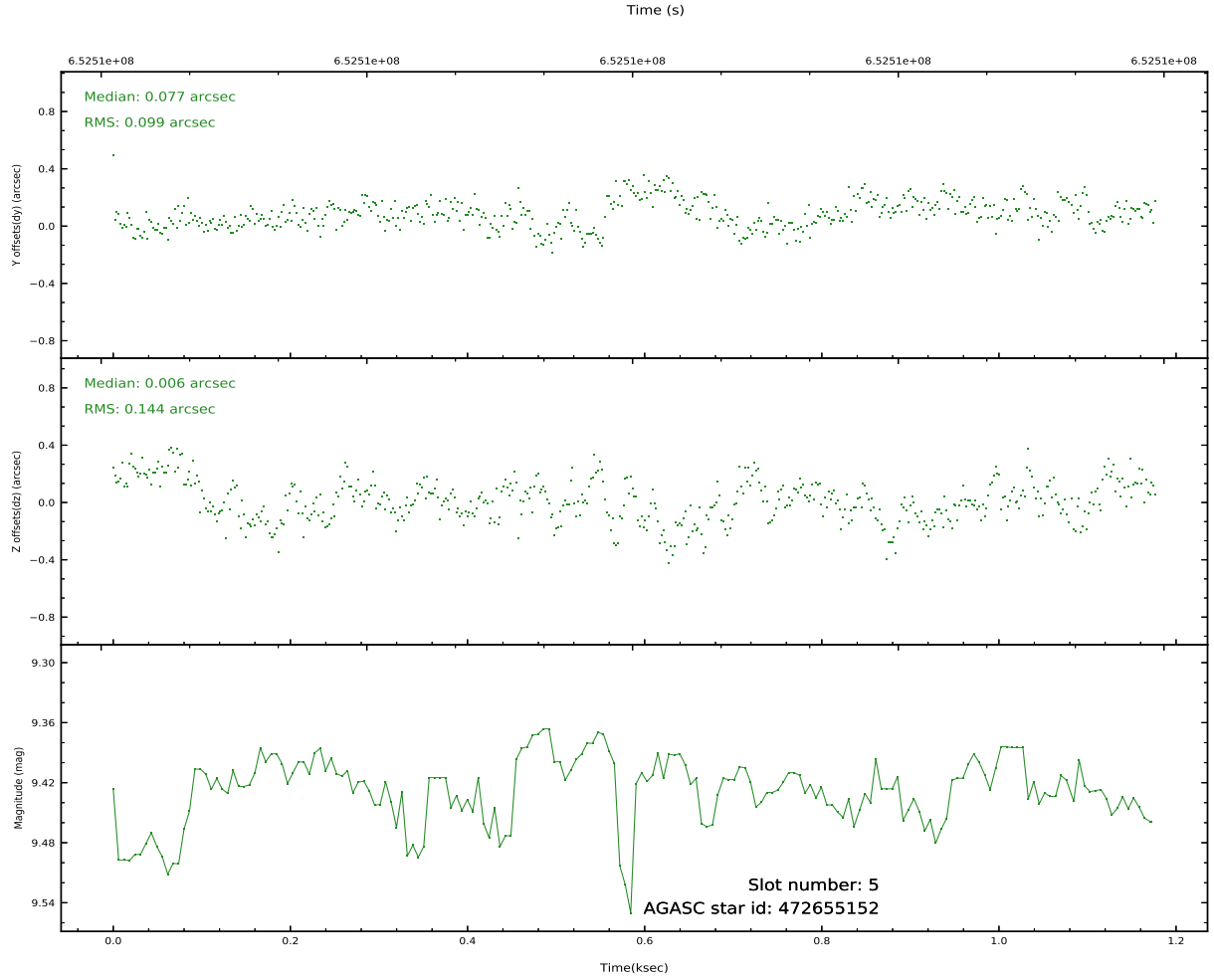
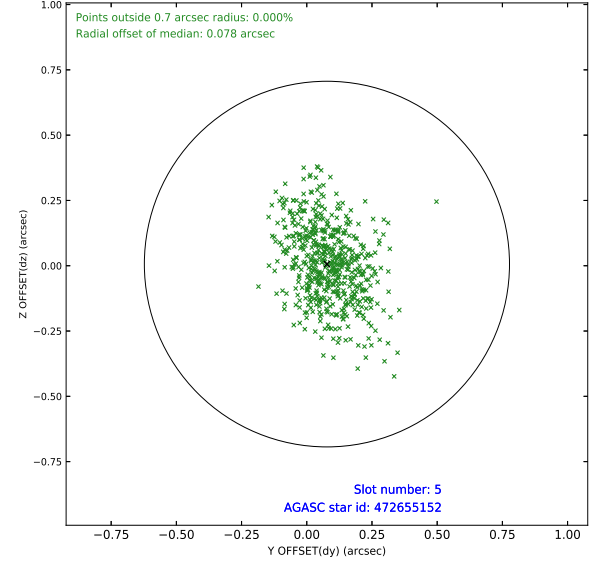
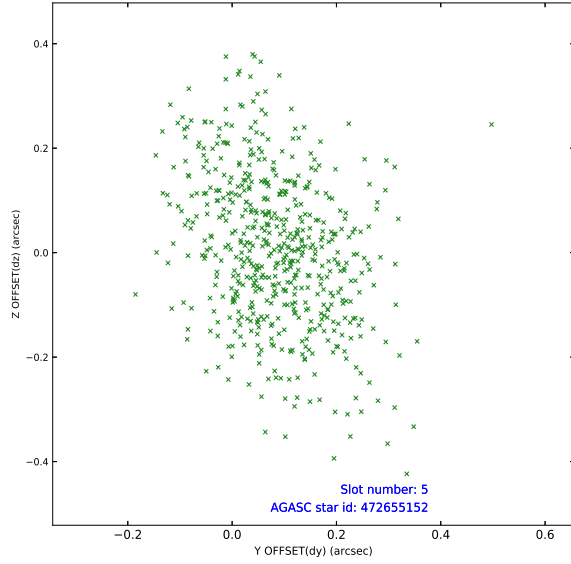
2.4.1 Slot 3



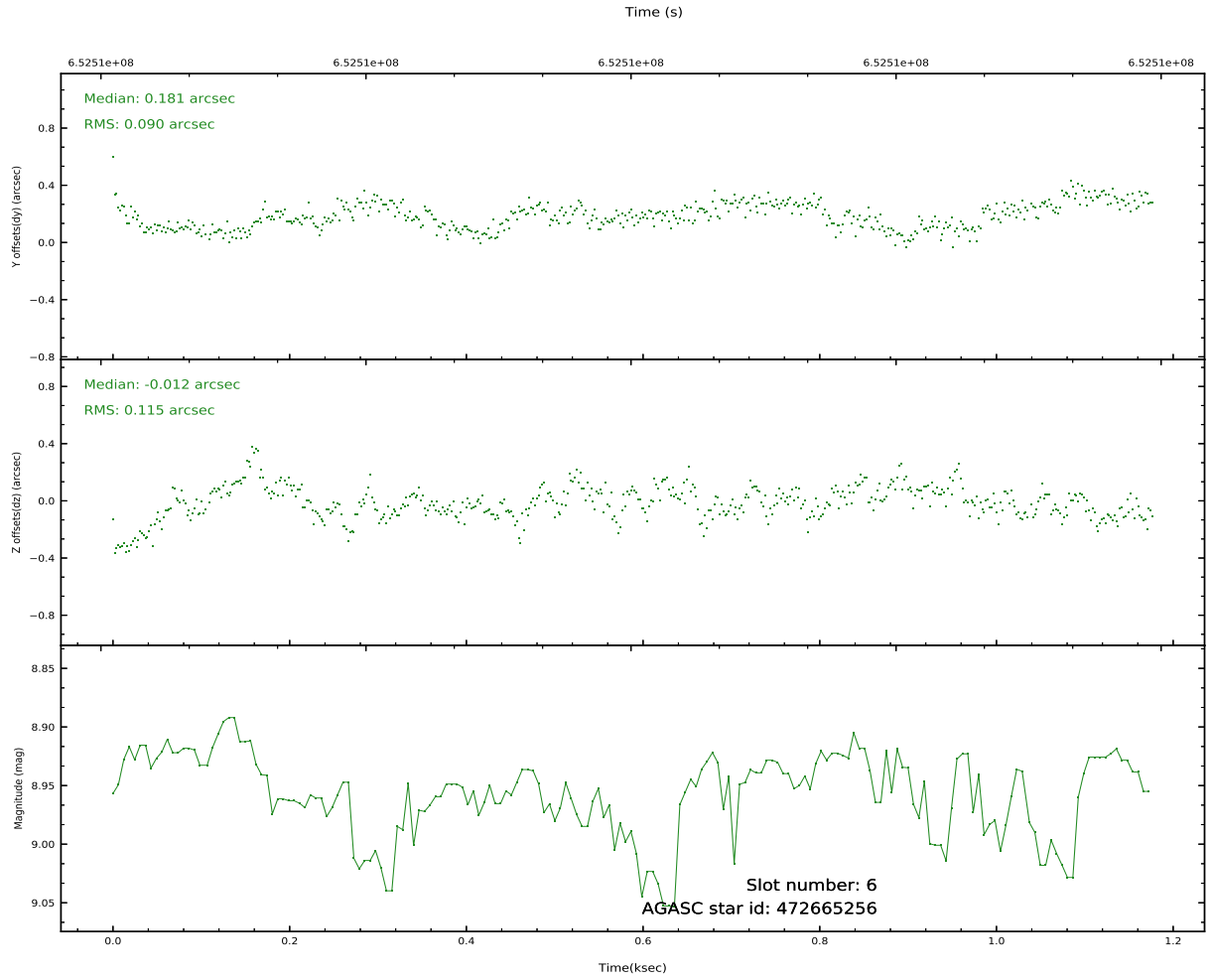
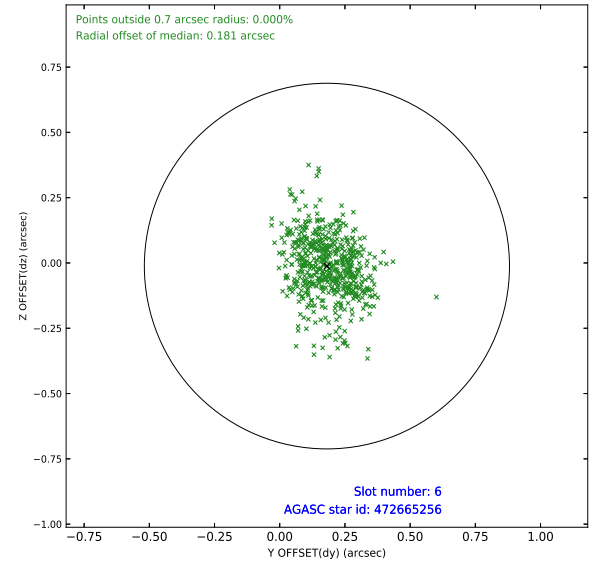
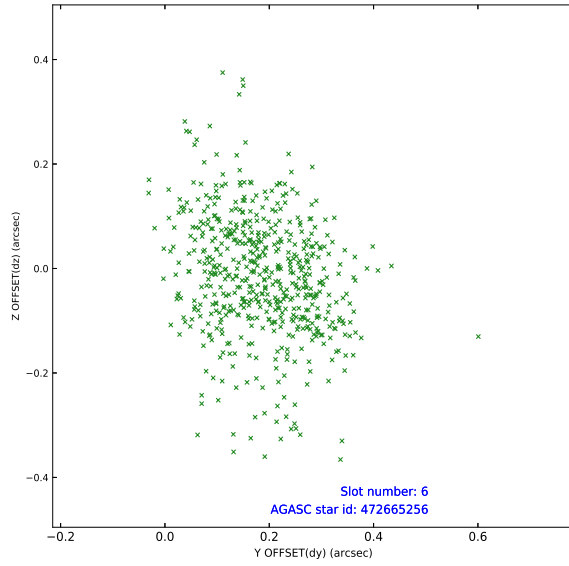
2.4.2 Slot 4



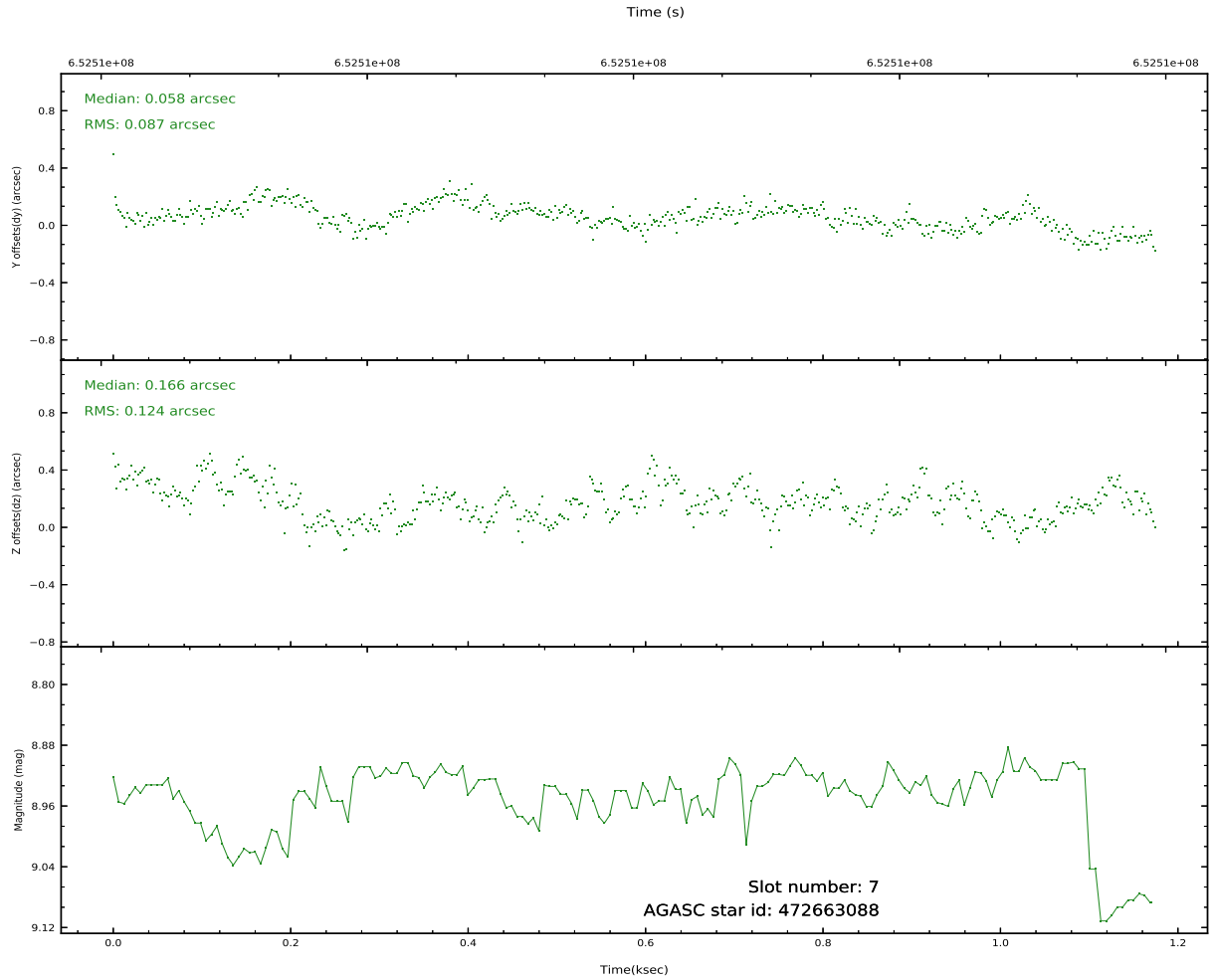
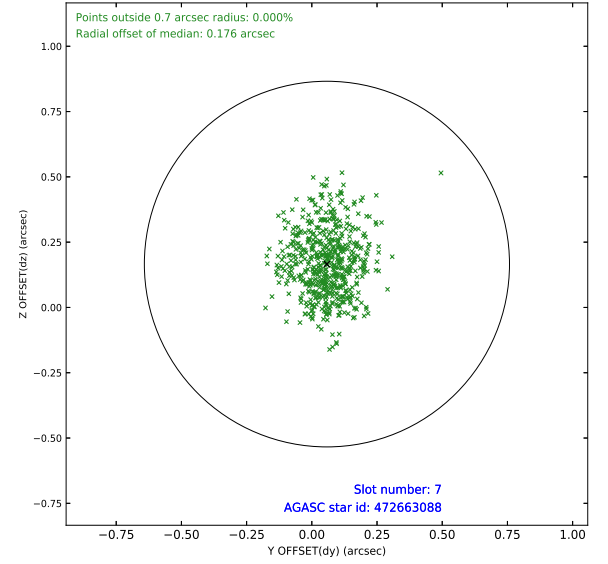
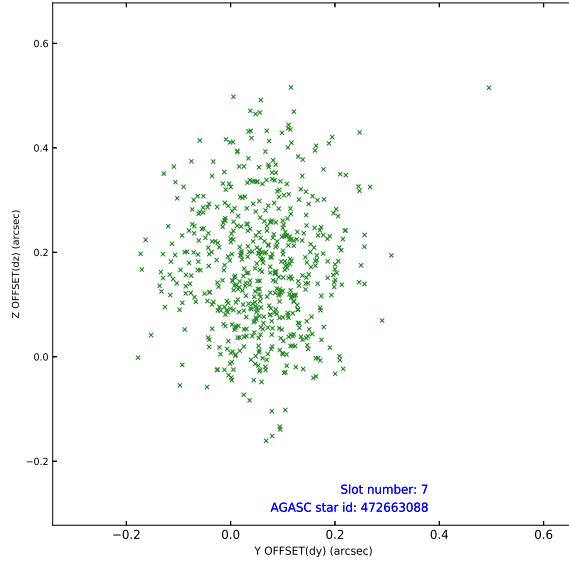
2.4.3 Slot 5



2.4.4 Slot 6

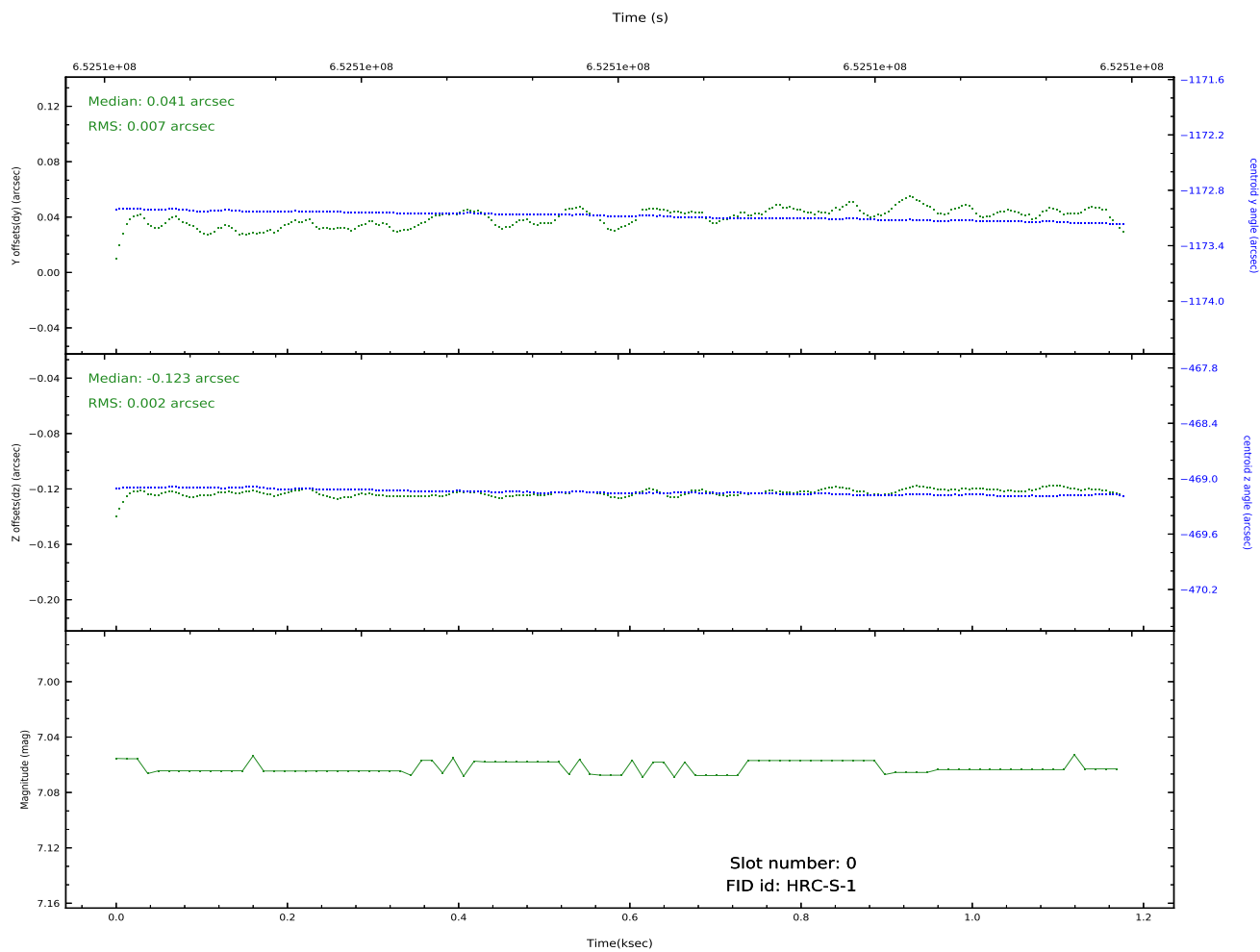
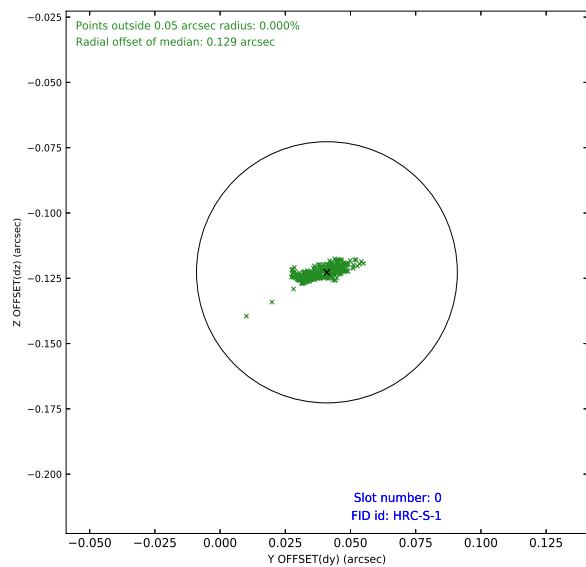
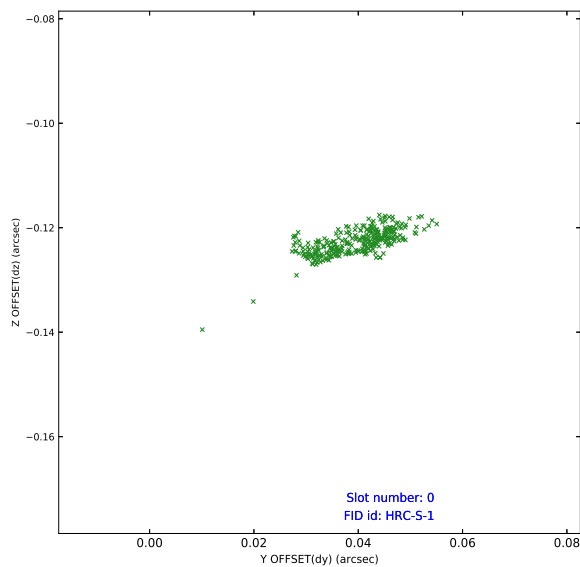


2.4.5 Slot 7

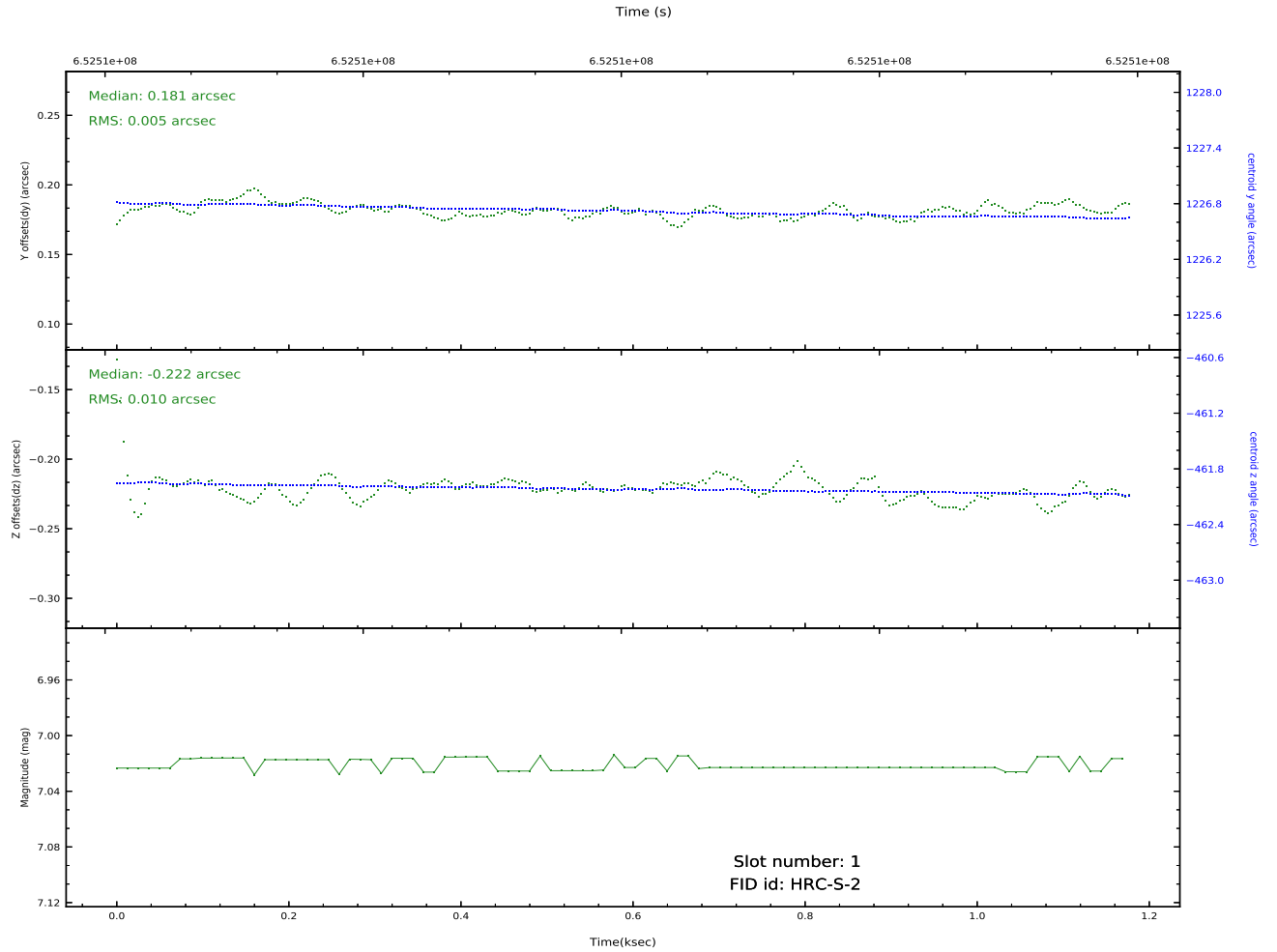
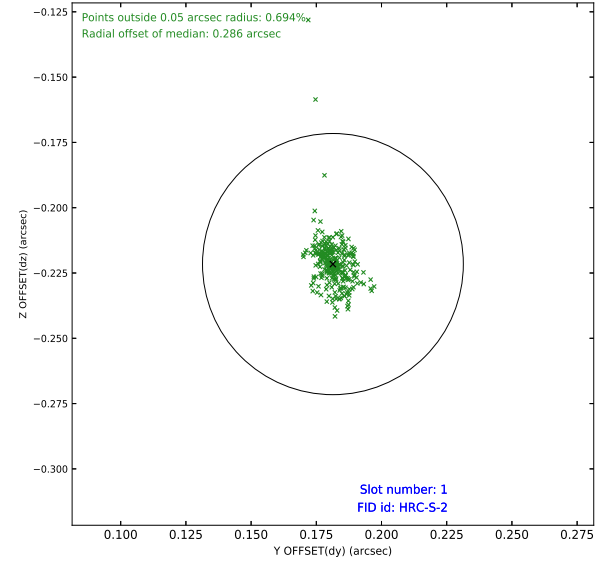
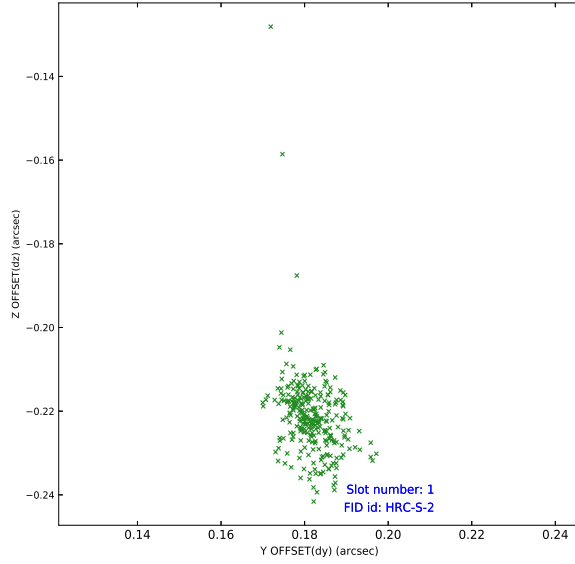


2.5 FID Slots

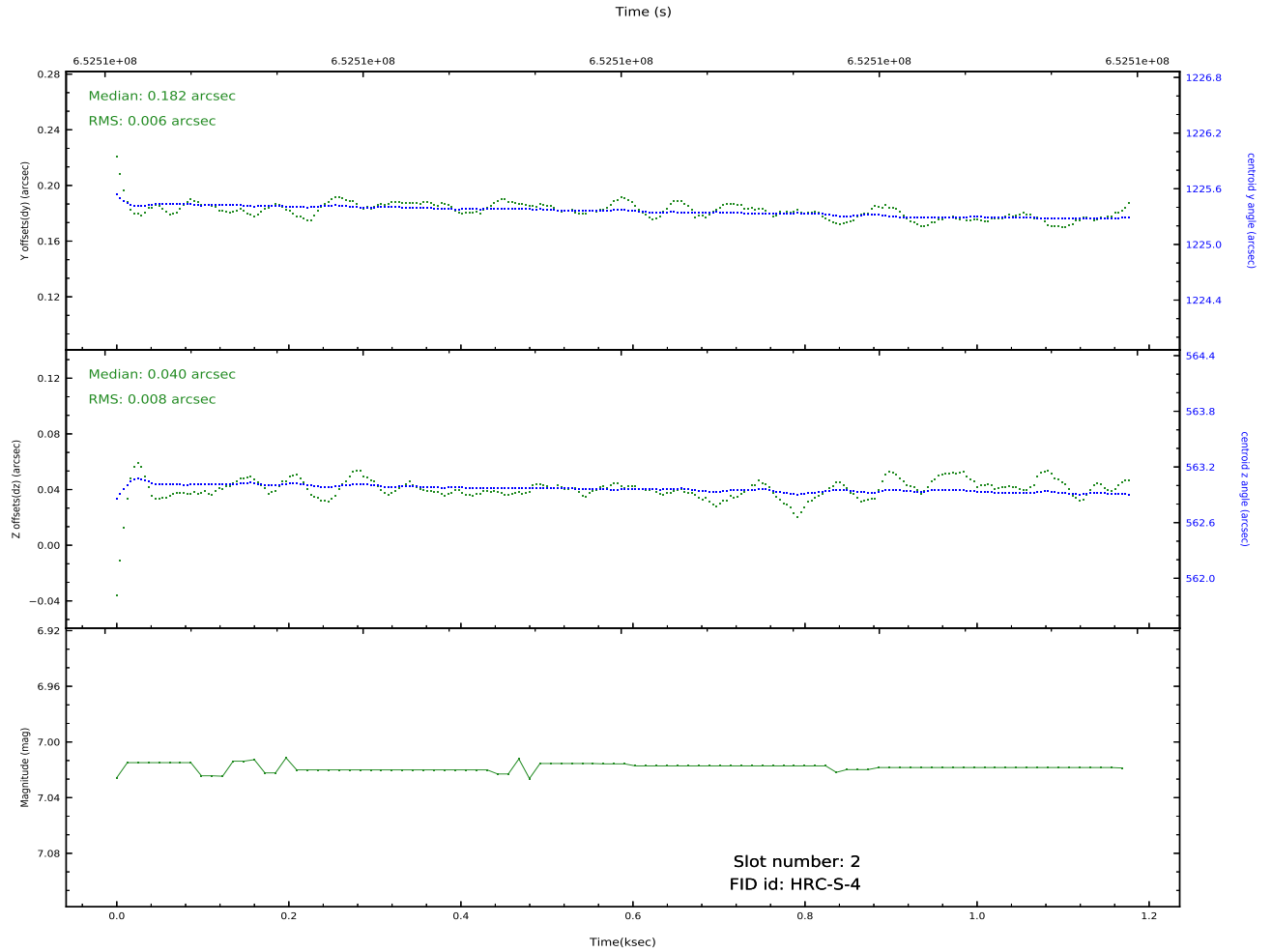
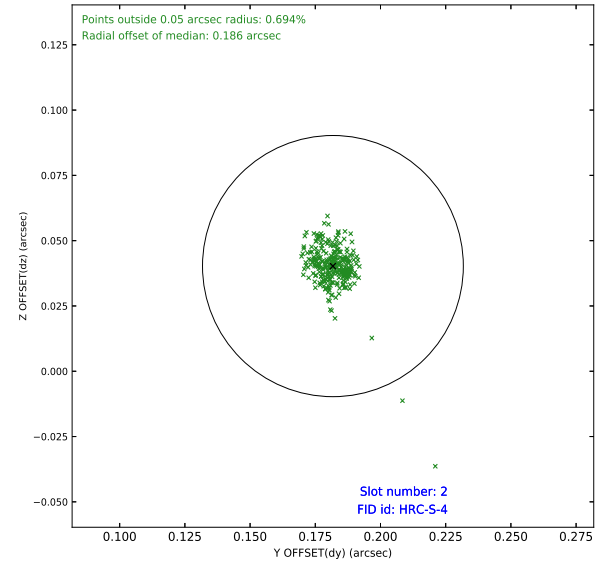
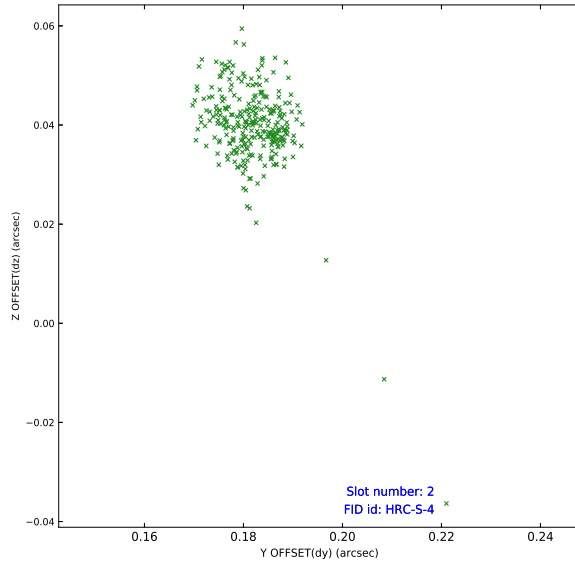
2.5.1 Slot 0



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	1.175931319952

A.2 Comments