

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20703 - L2 Version 2
Chandra X-Ray Center

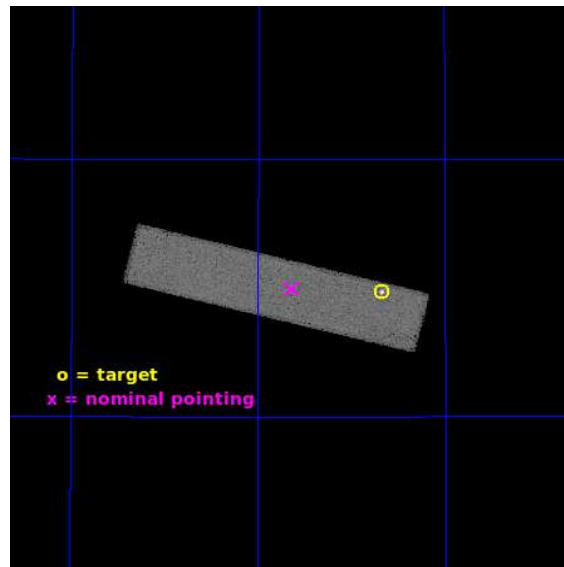
L2 Processing Date : Oct 27 2020

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1 Front

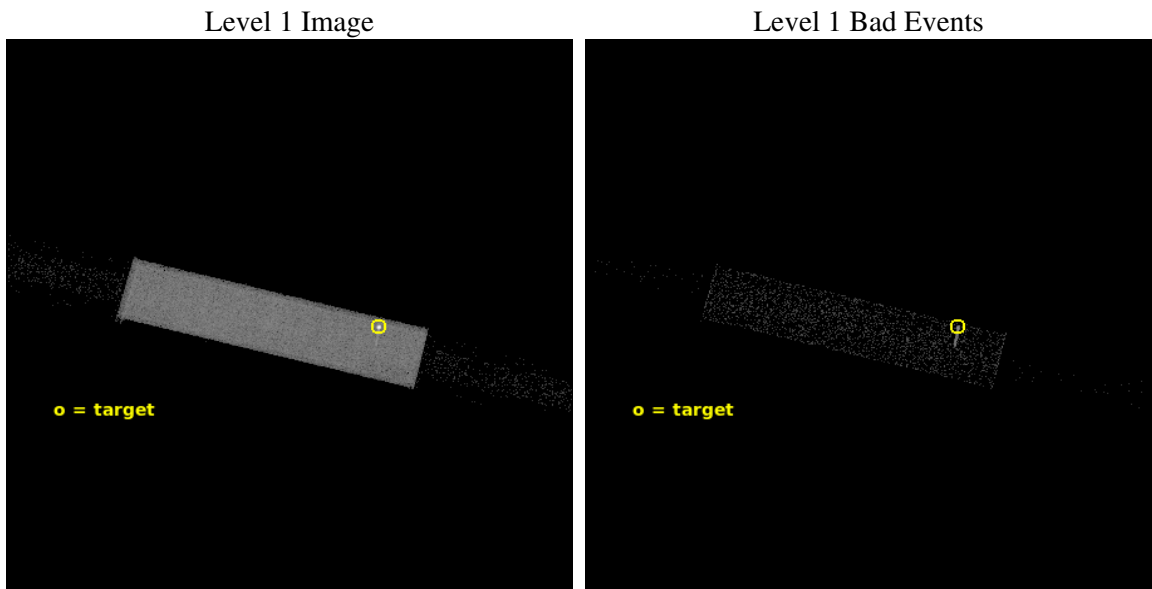
seq_num	291414	Sequence number
obs_id	20703	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.40892524065	Nominal RA [deg]
dec_nom	45.748878802434	Nominal Dec [deg]
roll_nom	193.99100631615	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1171.831319809	[s]
livetime	1160.006457479	Ontime multiplied by DTCOR
l2events	93235	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	1171.831319809	[s]
caldbver	4.9.3	 	l1events	134774	Number of level 1 events
date	2020-10-27T17:04:49	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

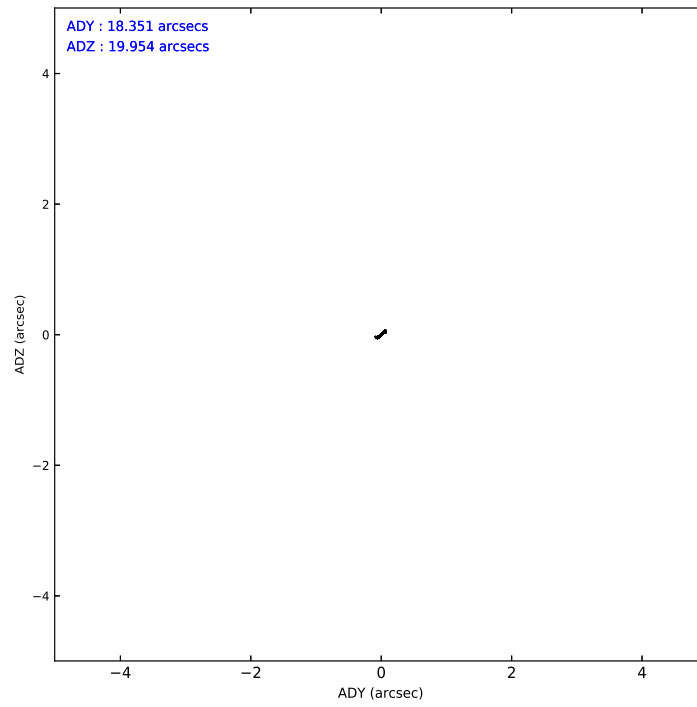
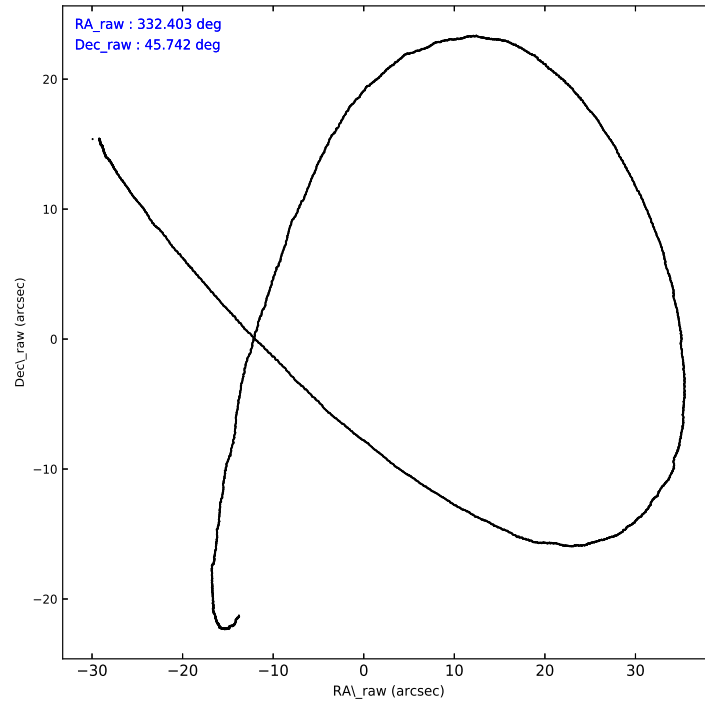
	segment 1	segment 2	segment 3
level 1 events	988	132831	955
rejected events	988	26645	955
rejected %	100%	20%	100%

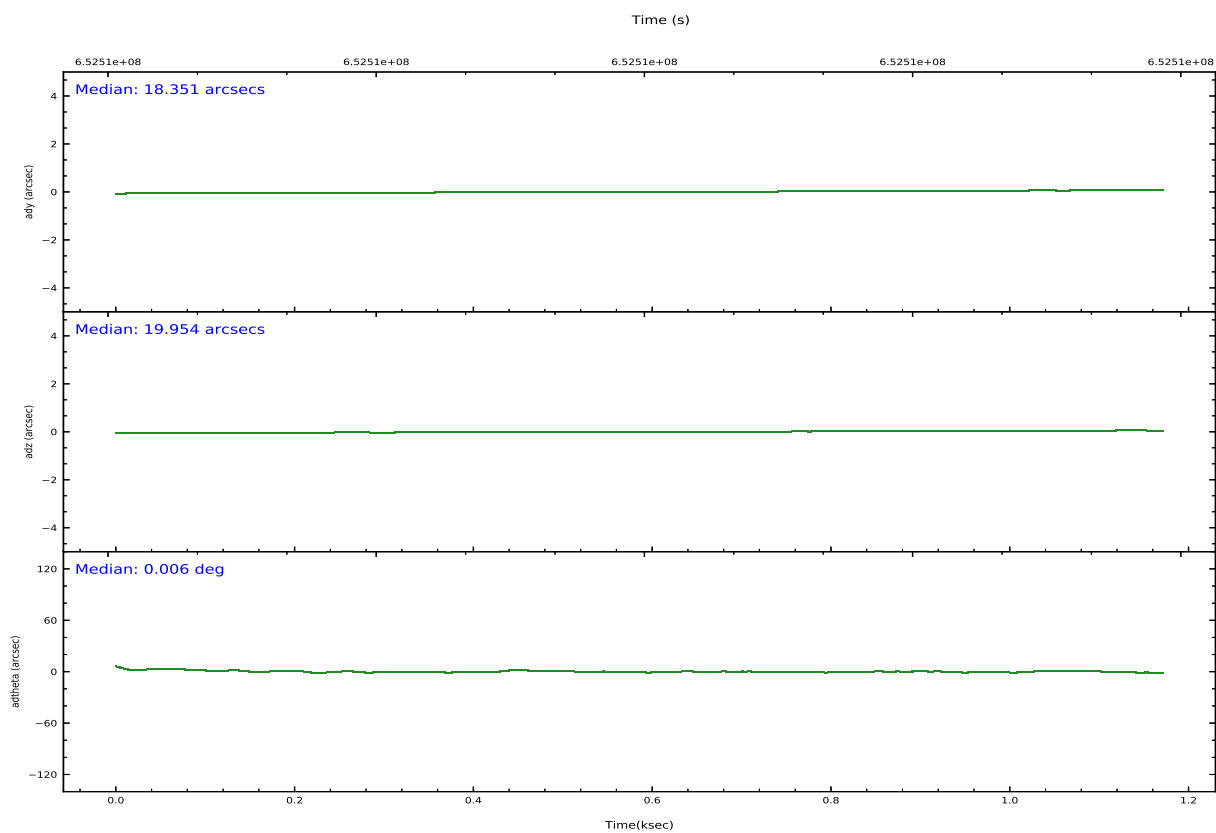
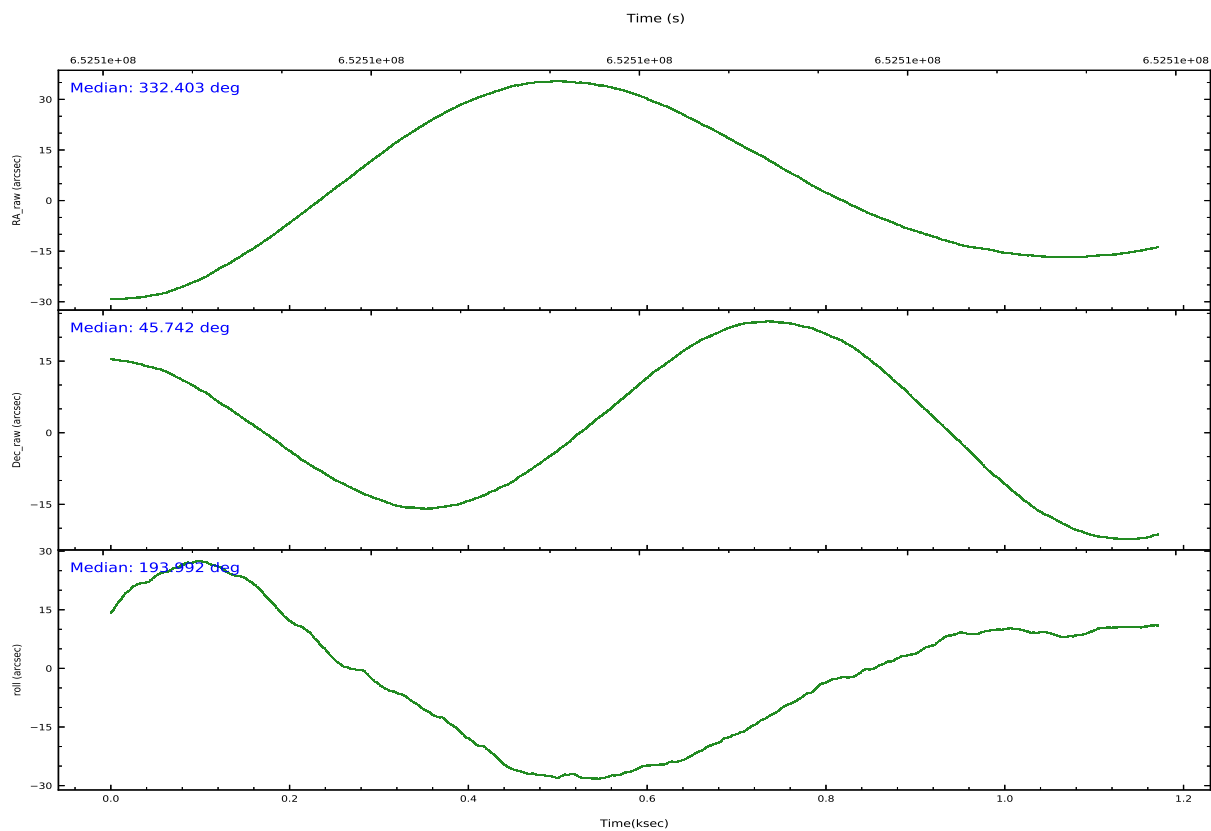
2.2 Compared Parameters

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	332.432267	332.40892524065
[deg] Pointing Dec	45.763360	45.748878802434
[deg] Pointing Roll	193.914156	193.99100631615
[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)	652506581.184000	652506205.33877
Observation start date	2018-09-05T03:48:32	2018-09-05T03:43:25
[s] Observation end time (MET)	652507581.184000	652507715.16386
Observation end date	2018-09-05T04:05:12	2018-09-05T04:08:35

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

2.3 Aspect



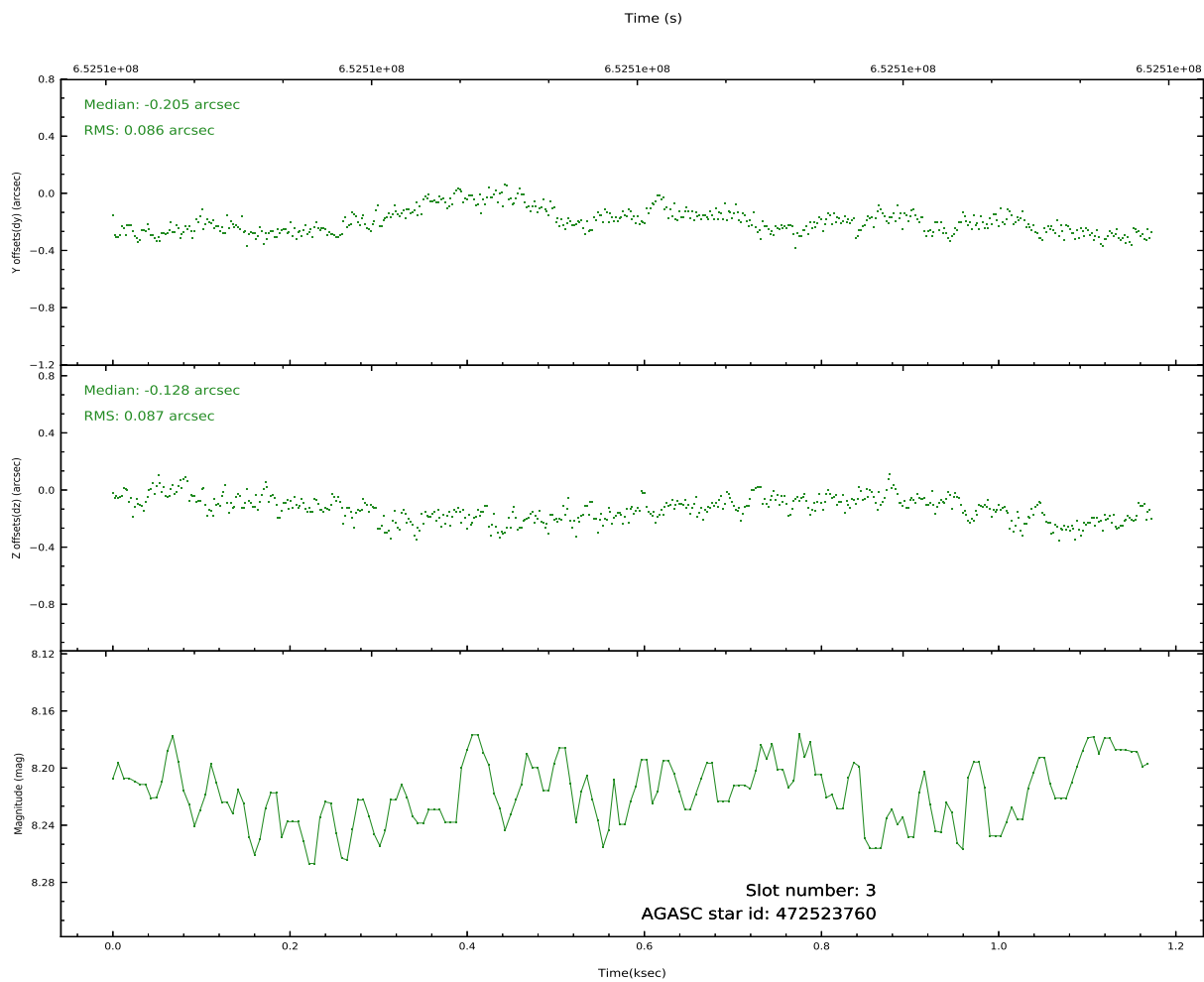
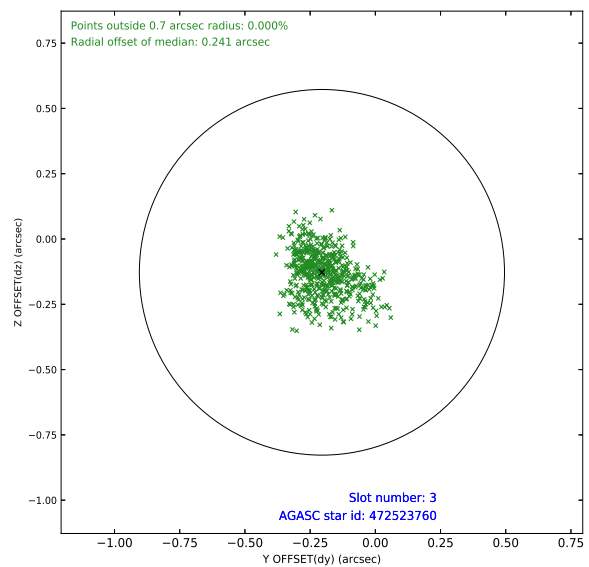
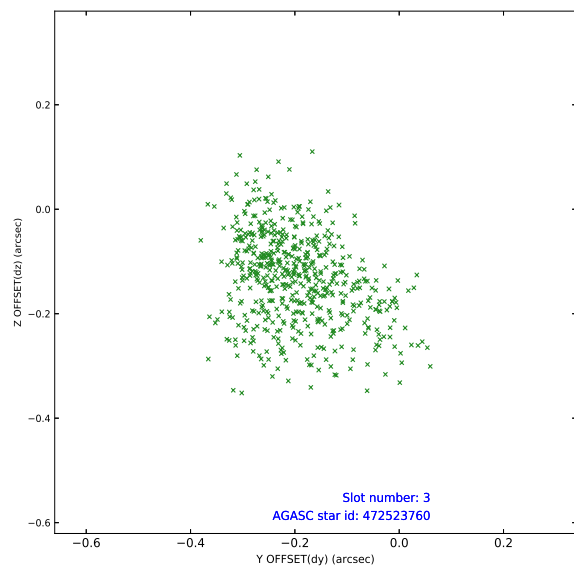


Slot Statistics

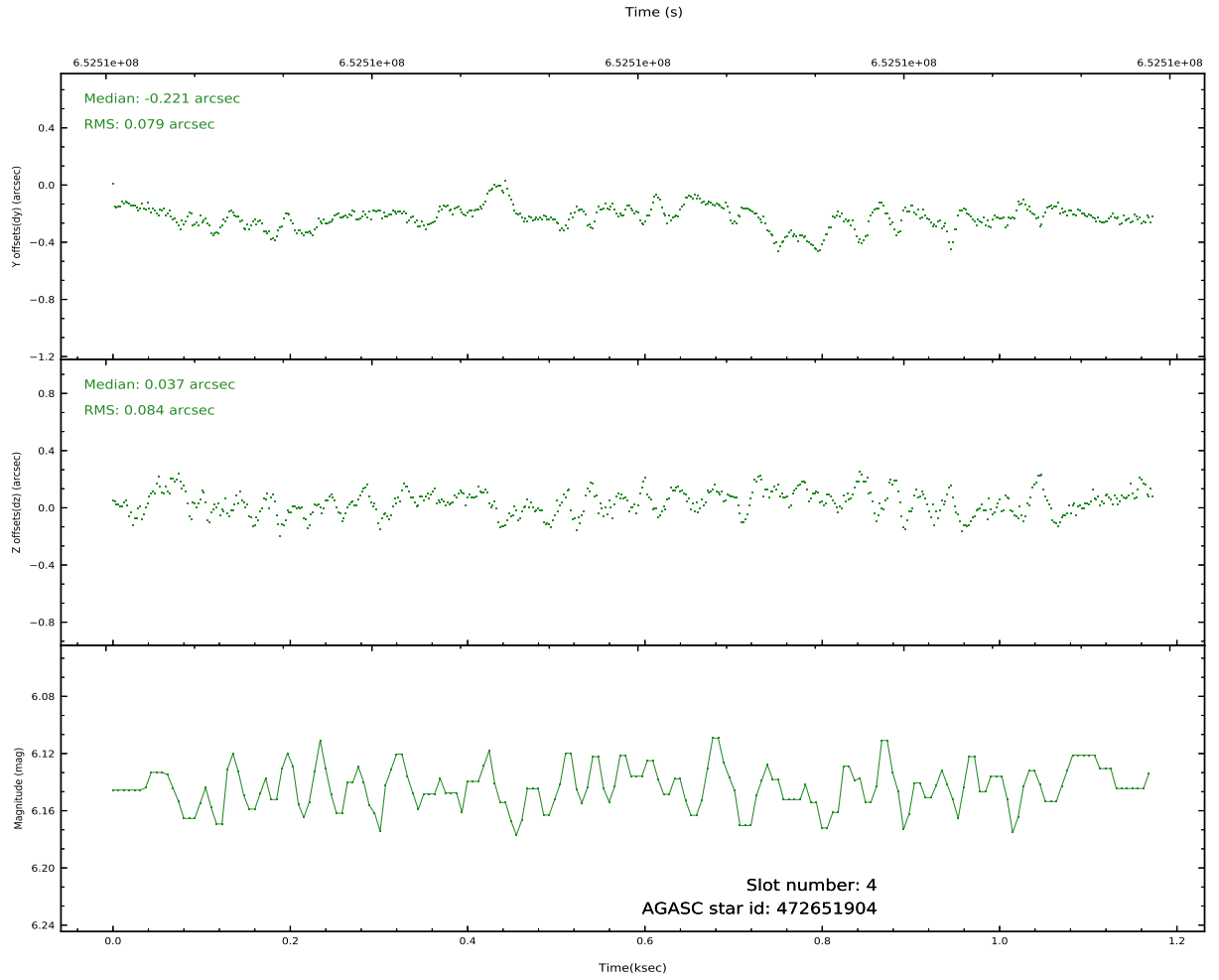
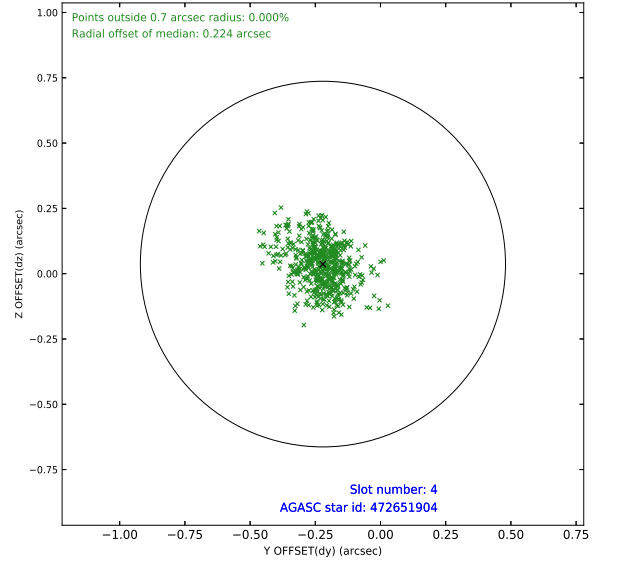
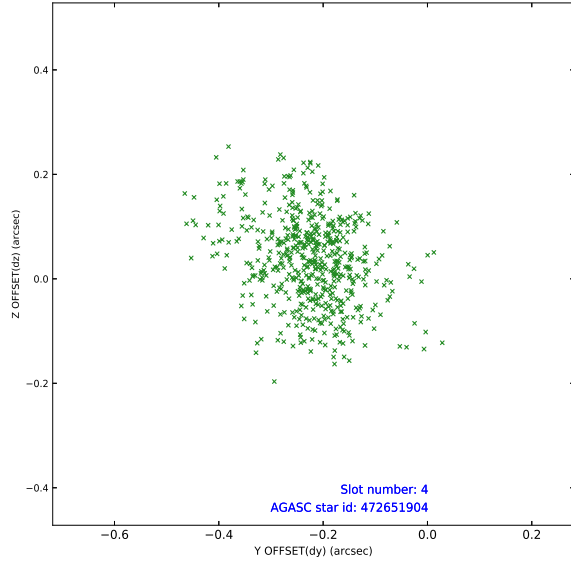
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.02	286	1.000	0.264	-0.223	0.011	0.019	0.000000	0.000000	1226.93	-461
1	FID		HRC-S-3	7.03	287	1.000	-0.005	-0.043	0.006	0.010	0.000000	0.000000	-1171.26	559
2	FID		HRC-S-4	7.02	285	1.000	0.147	-0.029	0.011	0.019	0.000000	0.000000	1221.46	565
3	GUIDE	used	472523760	8.22	573	1.000	-0.205	-0.128	0.130	0.213	331.645363	45.403260	2239.03	770
4	GUIDE	used	472651904	6.14	573	1.000	-0.221	0.037	0.120	0.206	332.170077	45.742257	660.89	-86
5	GUIDE	used	472655152	9.43	573	1.000	0.249	0.058	0.279	0.422	332.504239	45.862991	-260.99	-305
6	GUIDE	used	472665256	8.94	572	1.000	0.138	0.099	0.162	0.267	332.808125	46.195041	-1284.52	-1286
7	GUIDE	used	472535576	7.84	572	1.000	0.048	-0.037	0.125	0.215	331.438373	46.291802	1935.78	-2458

2.4 Star Slots

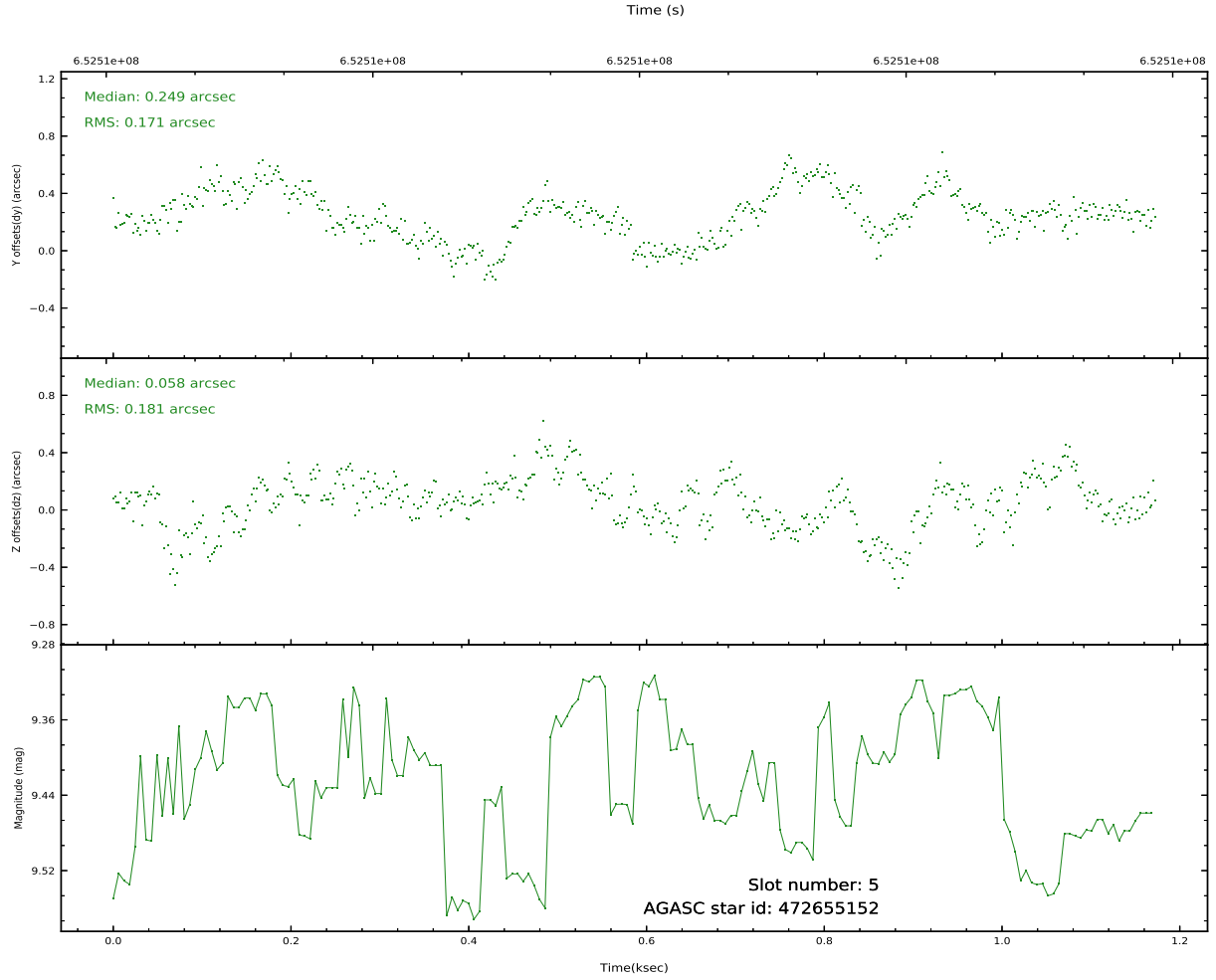
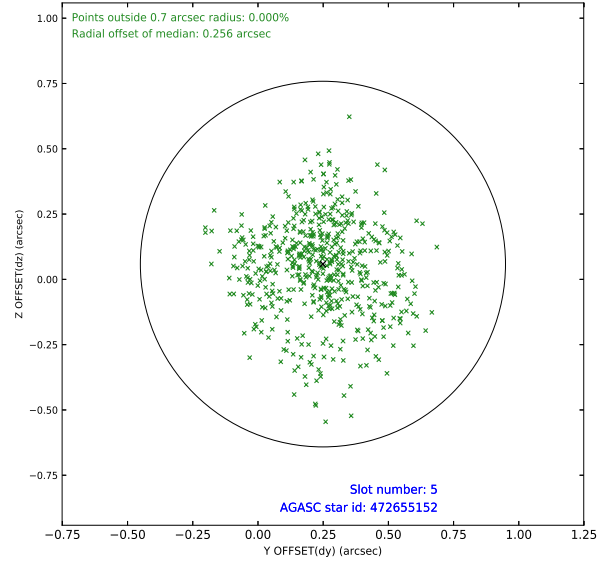
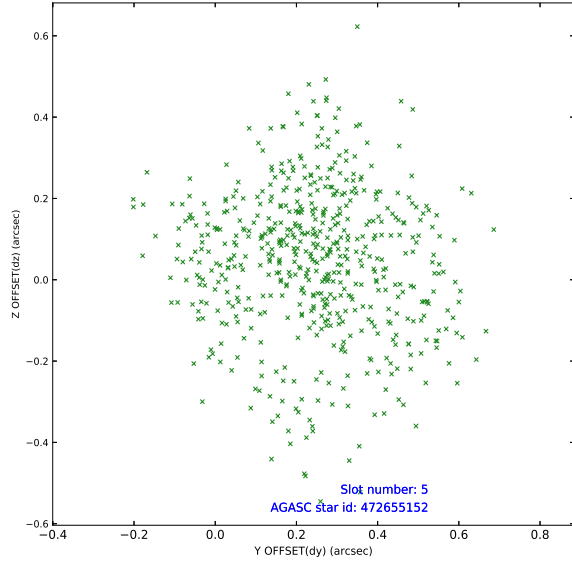
2.4.1 Slot 3



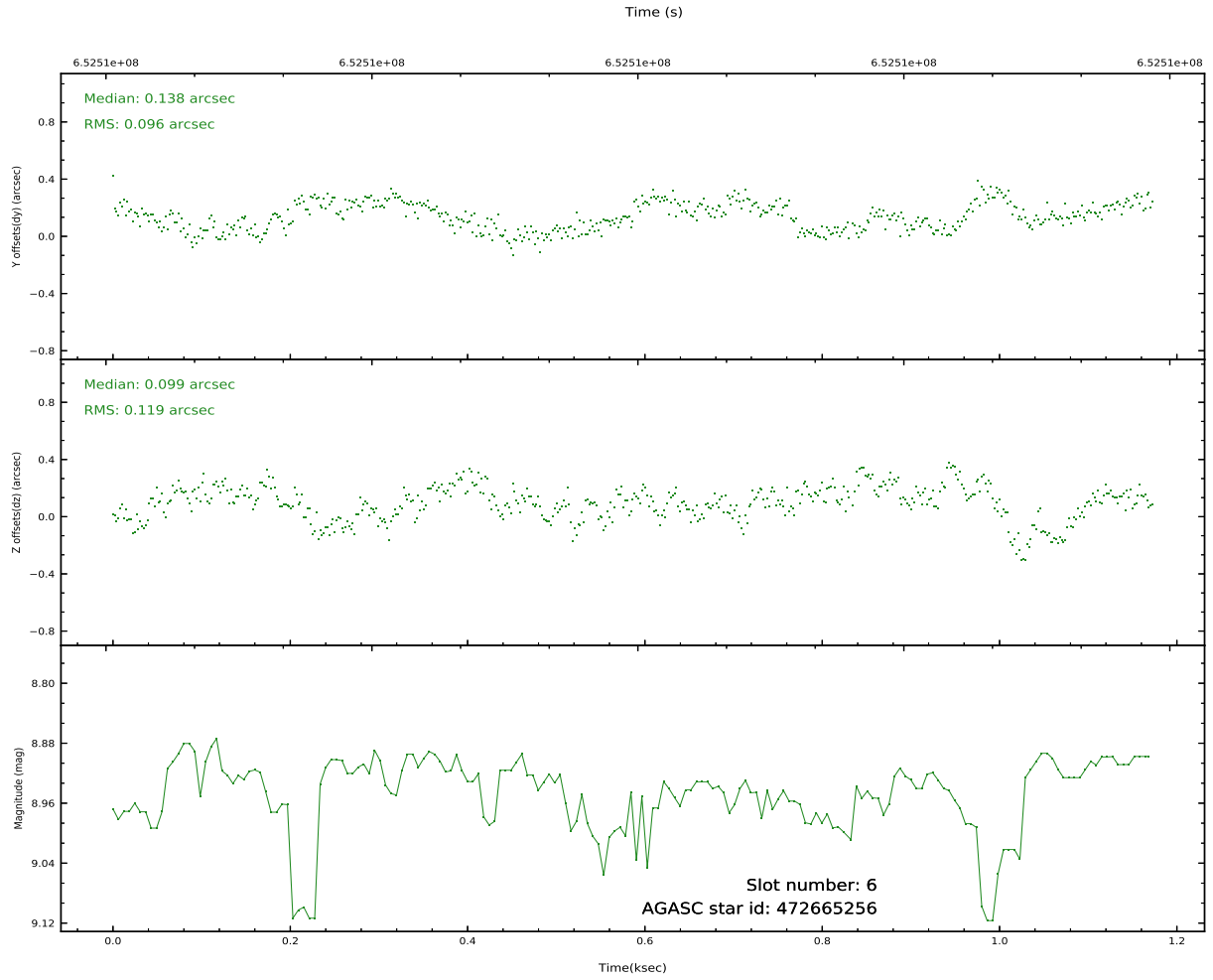
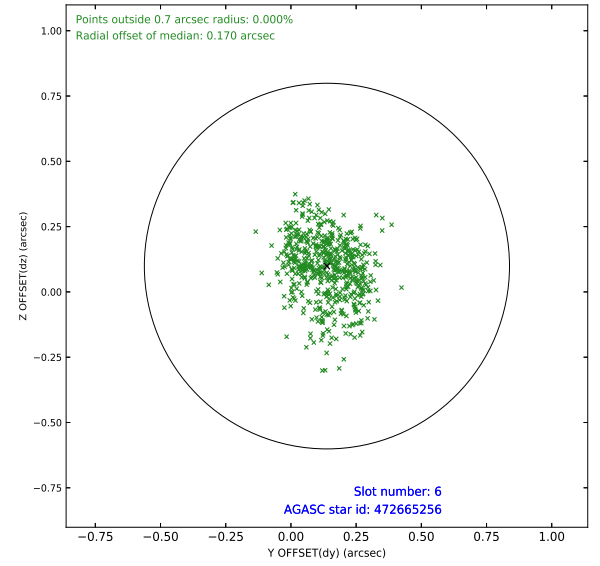
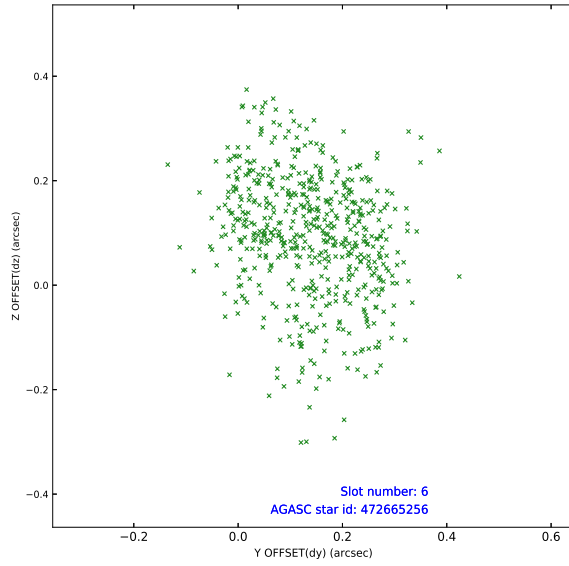
2.4.2 Slot 4



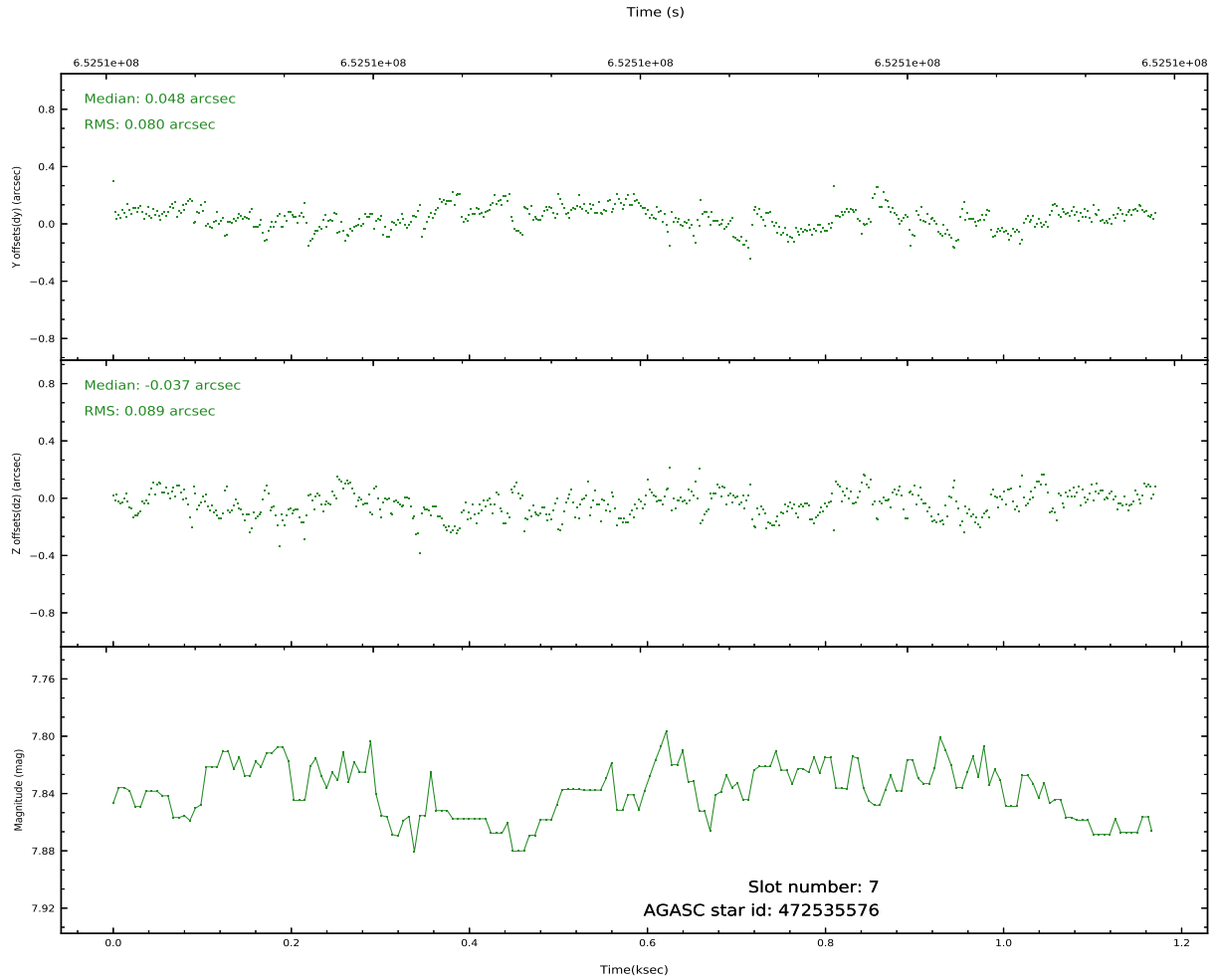
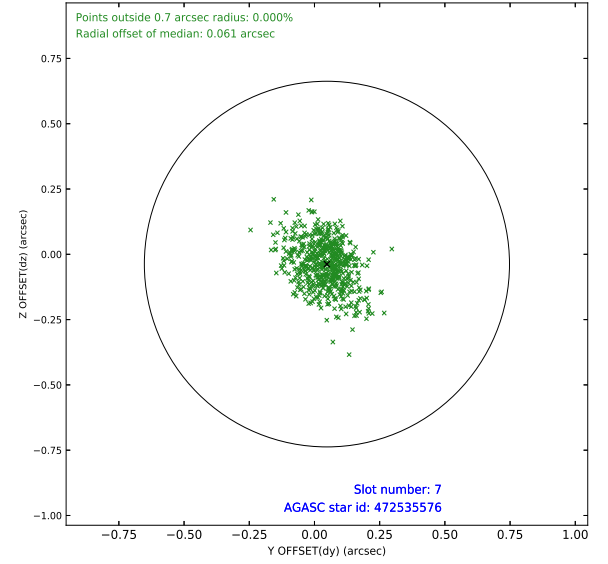
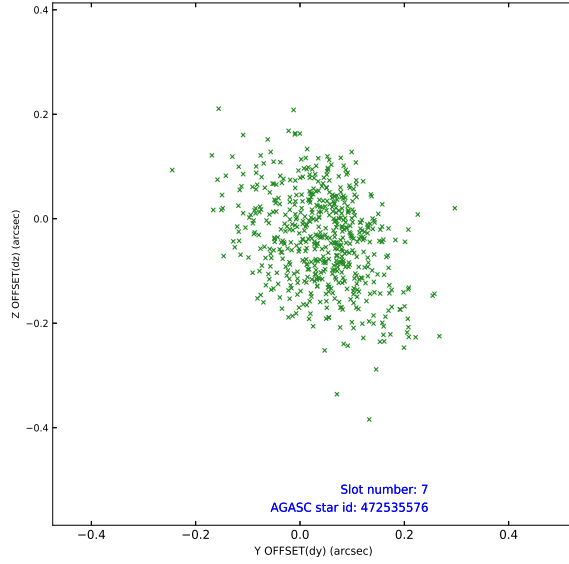
2.4.3 Slot 5



2.4.4 Slot 6

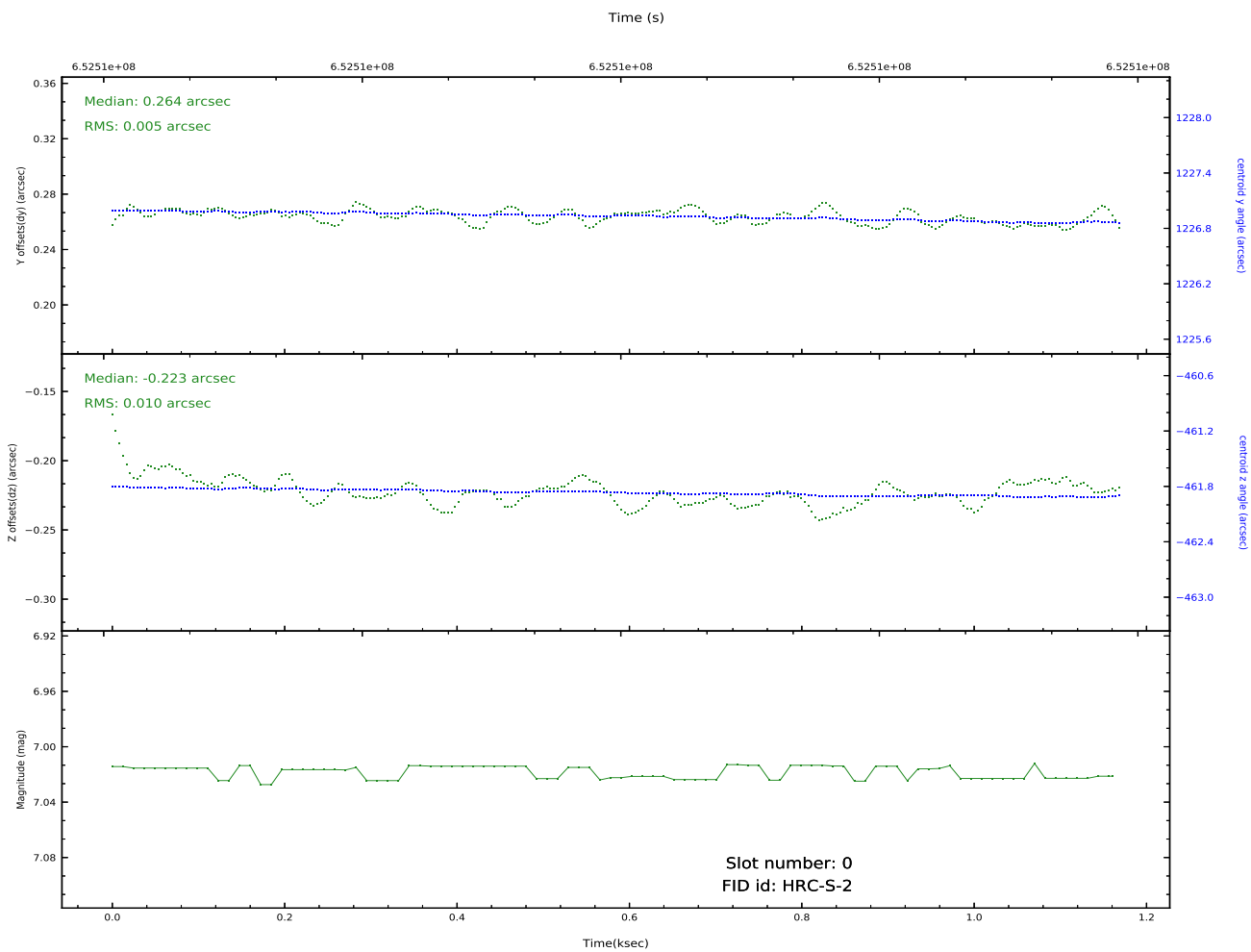
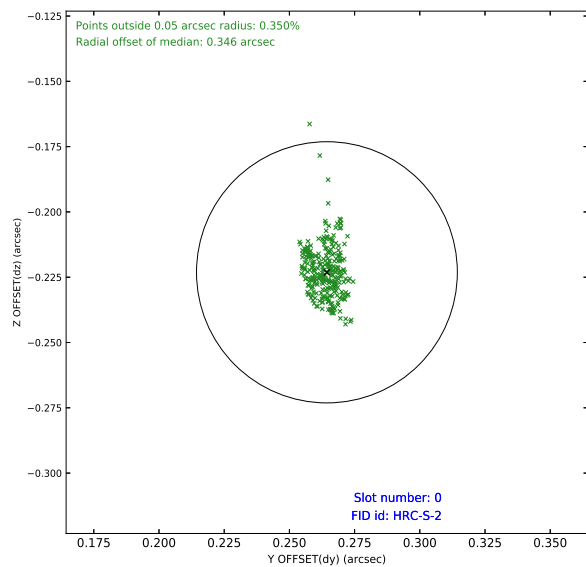
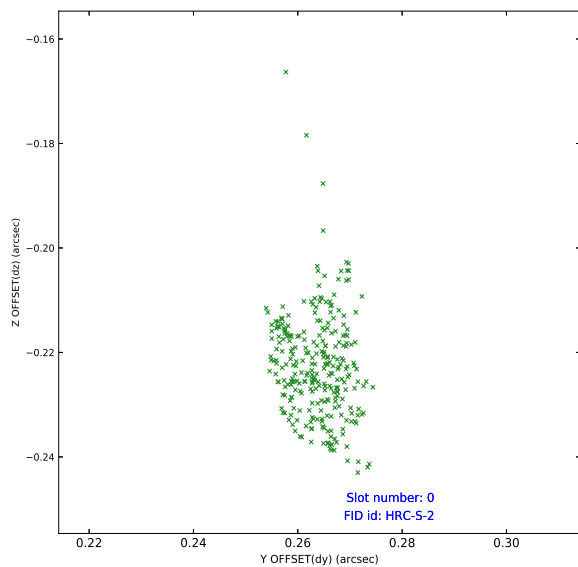


2.4.5 Slot 7

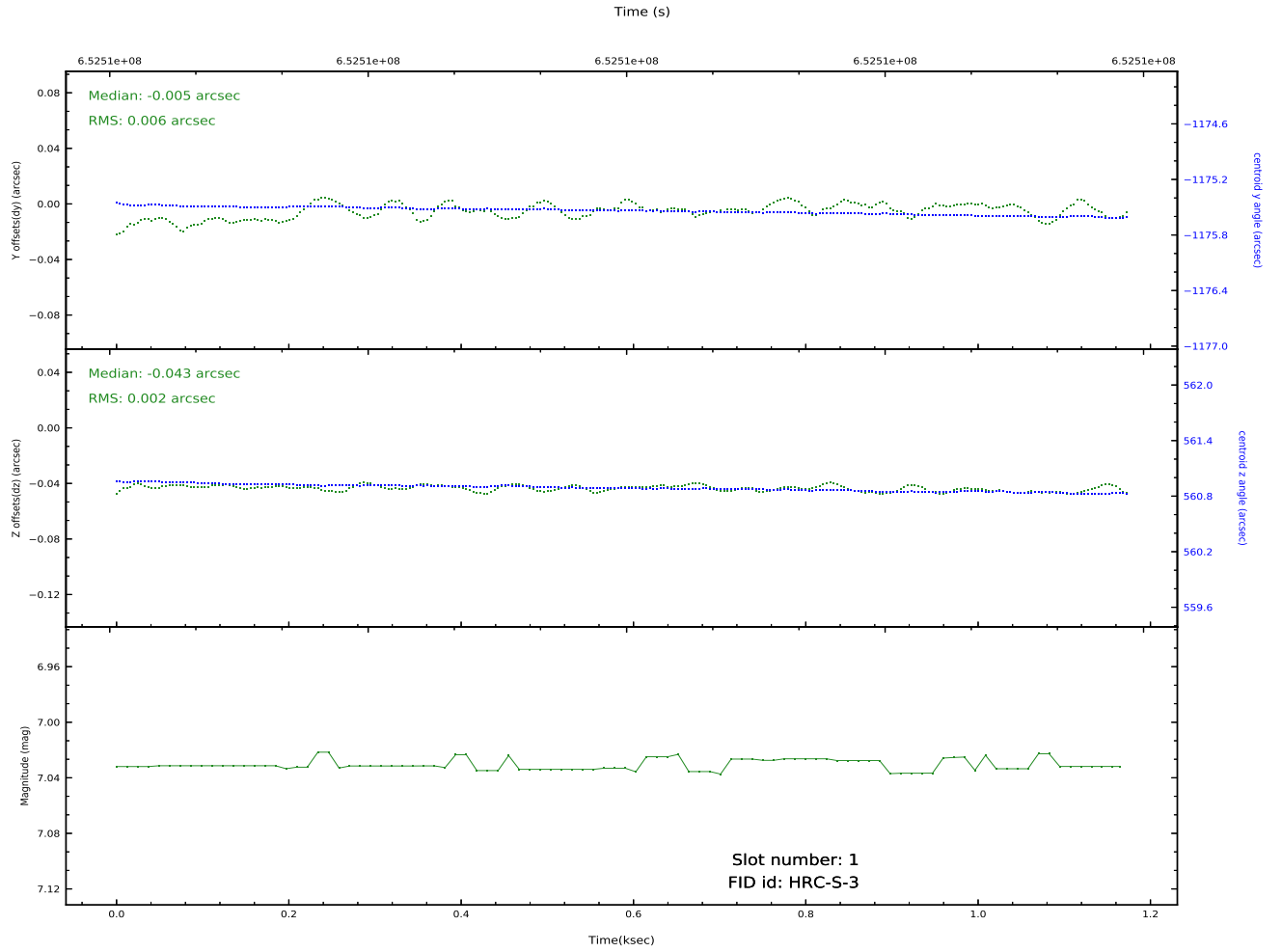
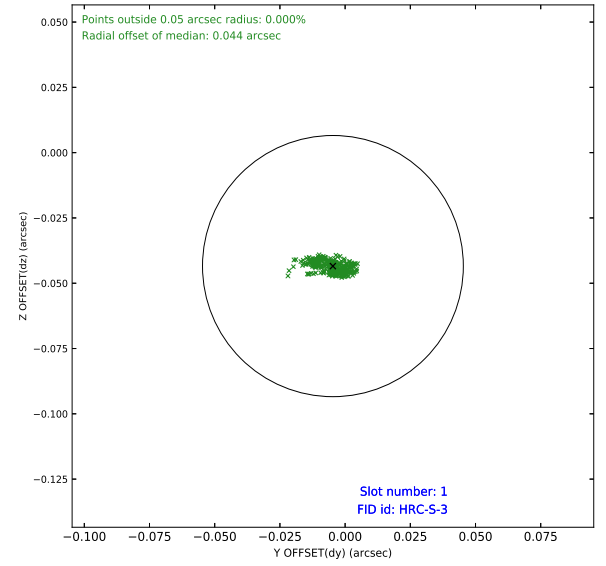
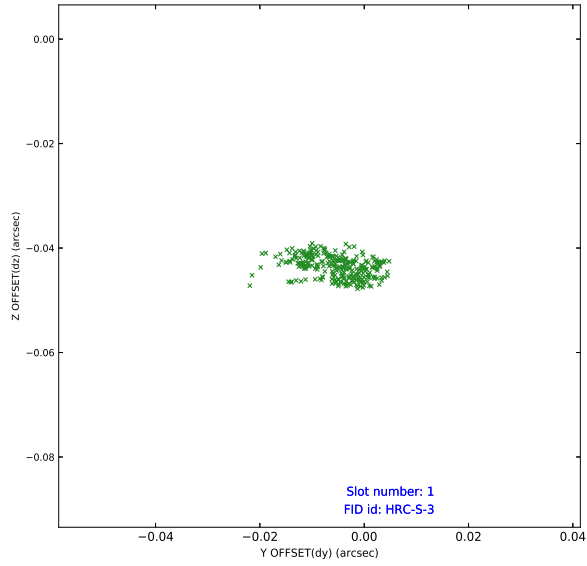


2.5 FID Slots

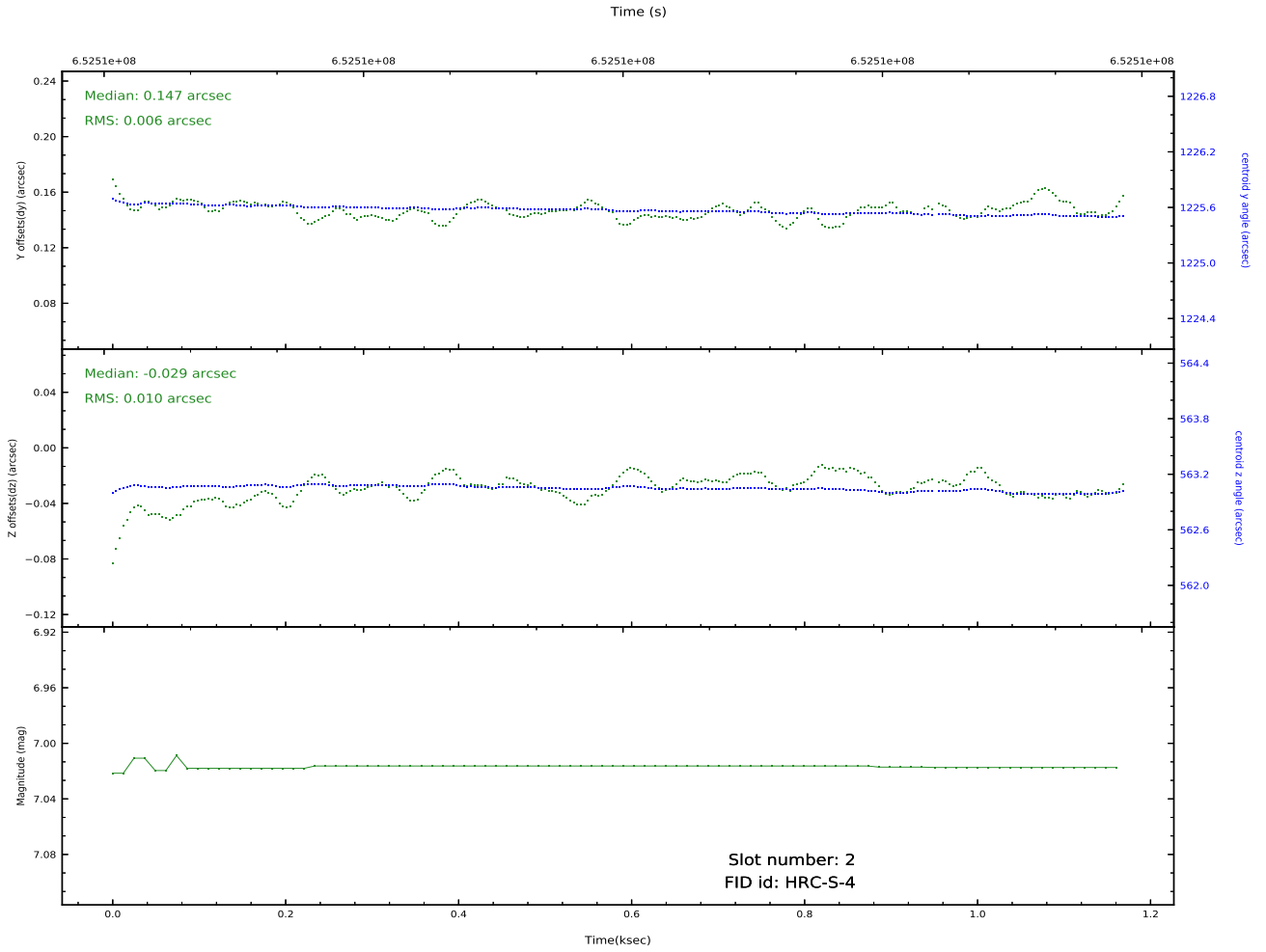
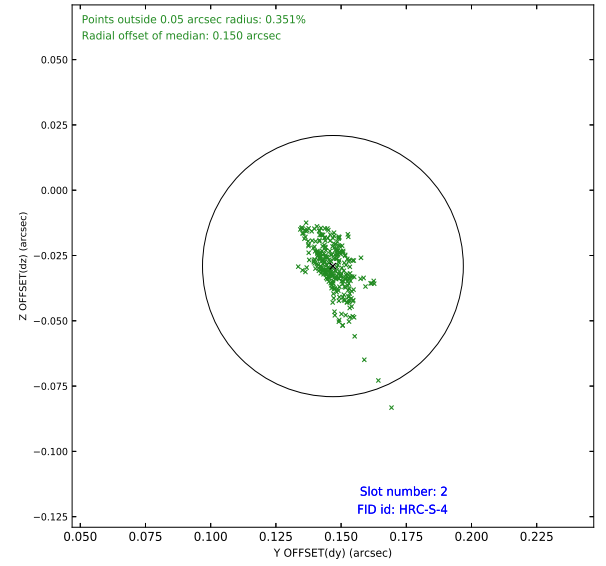
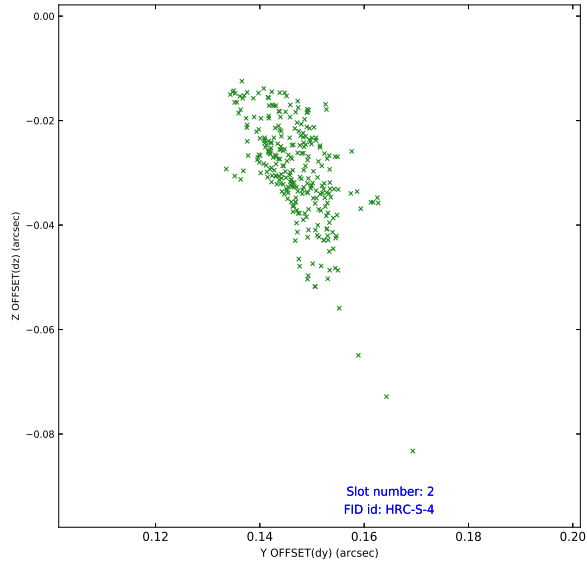
2.5.1 Slot 0



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	1.1718313196898

A.2 Comments