

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20689 - L2 Version 2
Chandra X-Ray Center

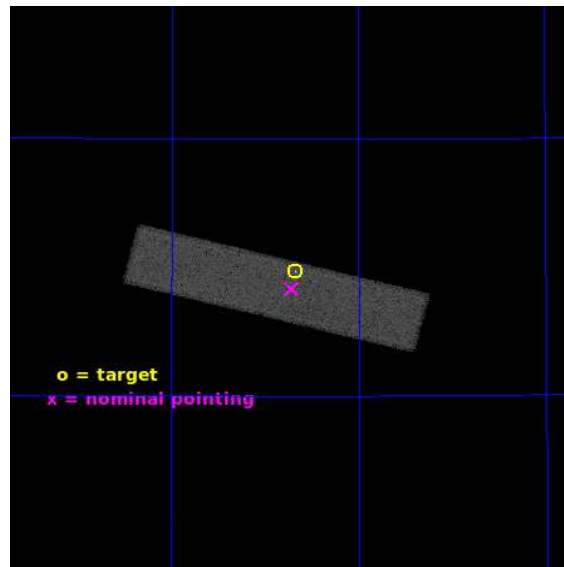
L2 Processing Date : Oct 27 2020

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1 Front

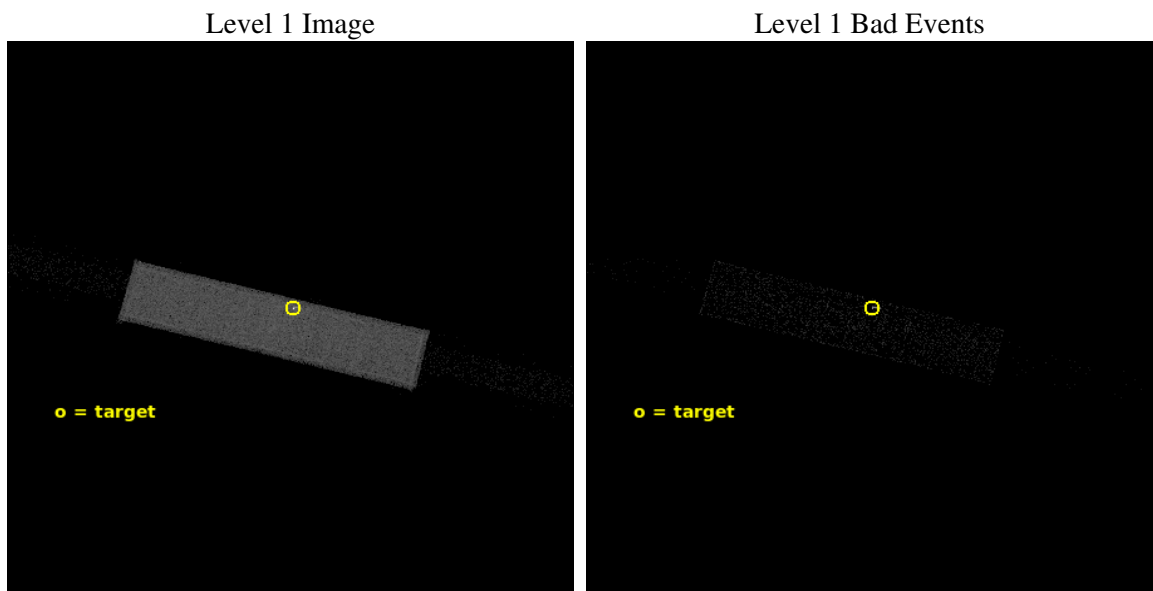
seq_num	291400	Sequence number
obs_id	20689	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17802397516	Nominal RA [deg]
dec_nom	45.708688022659	Nominal Dec [deg]
roll_nom	193.98795907836	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1171.5750696659	[s]
livetime	1161.4515839589	Ontime multiplied by DTCOR
l2events	77828	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	1171.5750696659	[s]
caldbver	4.9.3	 	l1events	117249	Number of level 1 events
date	2020-10-27T16:23:15	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

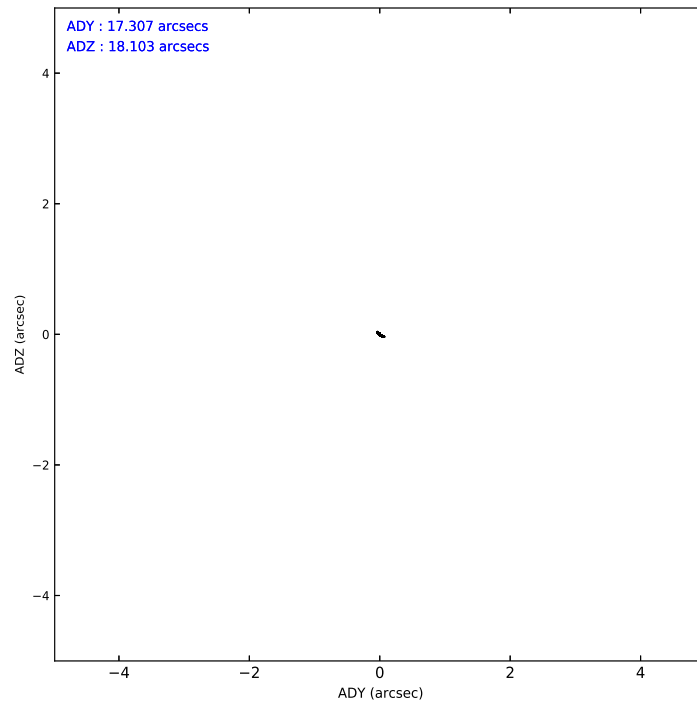
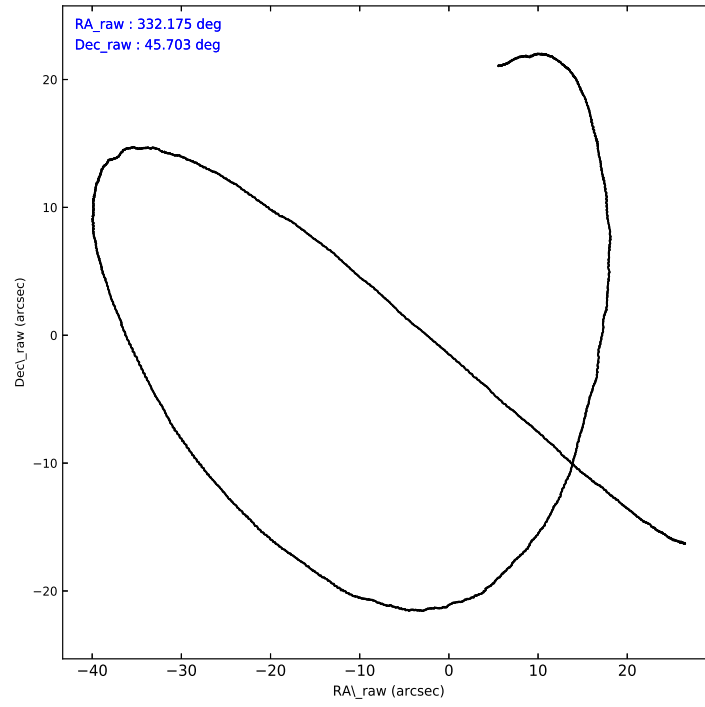
	segment 1	segment 2	segment 3
level 1 events	1005	115284	960
rejected events	1005	24732	960
rejected %	100%	21%	100%

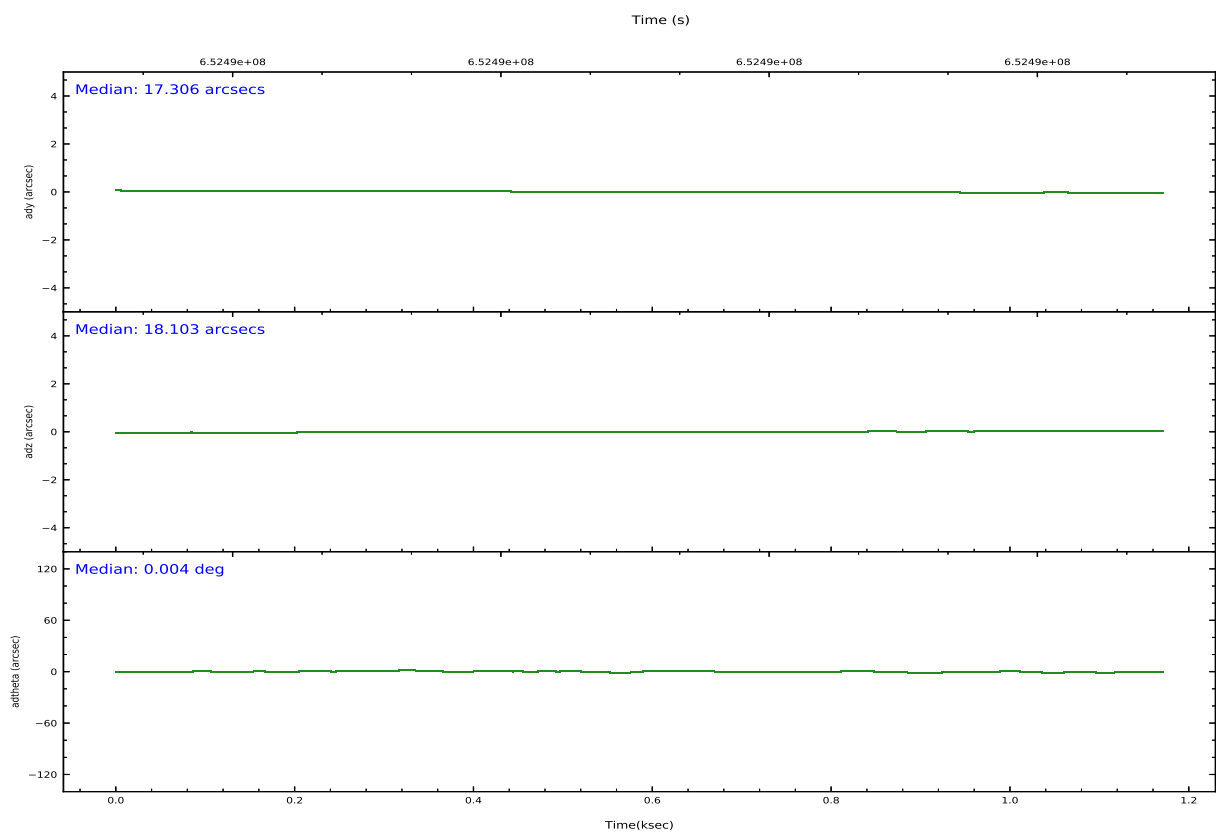
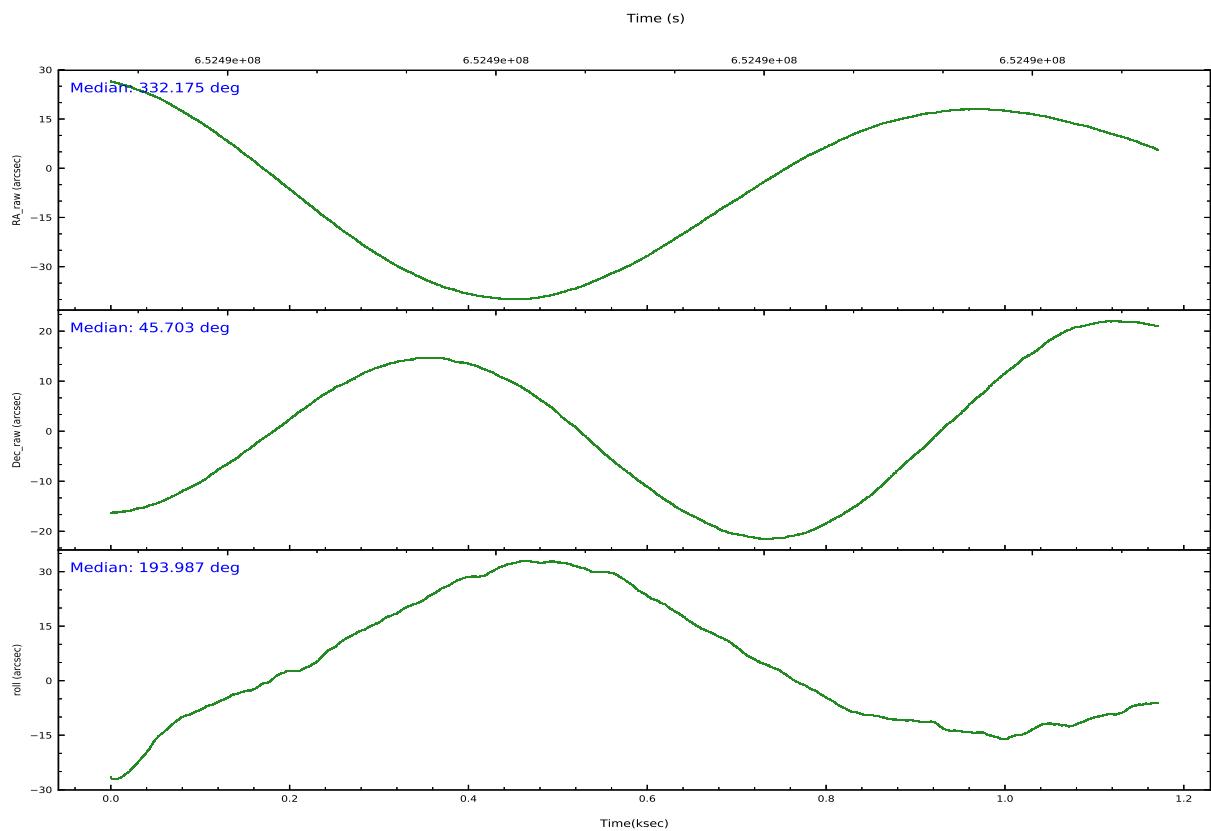
2.2 Compared Parameters

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	332.200774	332.17802397516
[deg] Pointing Dec	45.723186	45.708688022659
[deg] Pointing Roll	193.907558	193.98795907836
[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)	652485441.184000	652485065.22501
Observation start date	2018-09-04T21:56:12	2018-09-04T21:51:05
[s] Observation end time (MET)	652486441.184000	652486575.5626
Observation end date	2018-09-04T22:12:52	2018-09-04T22:16:15

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

2.3 Aspect



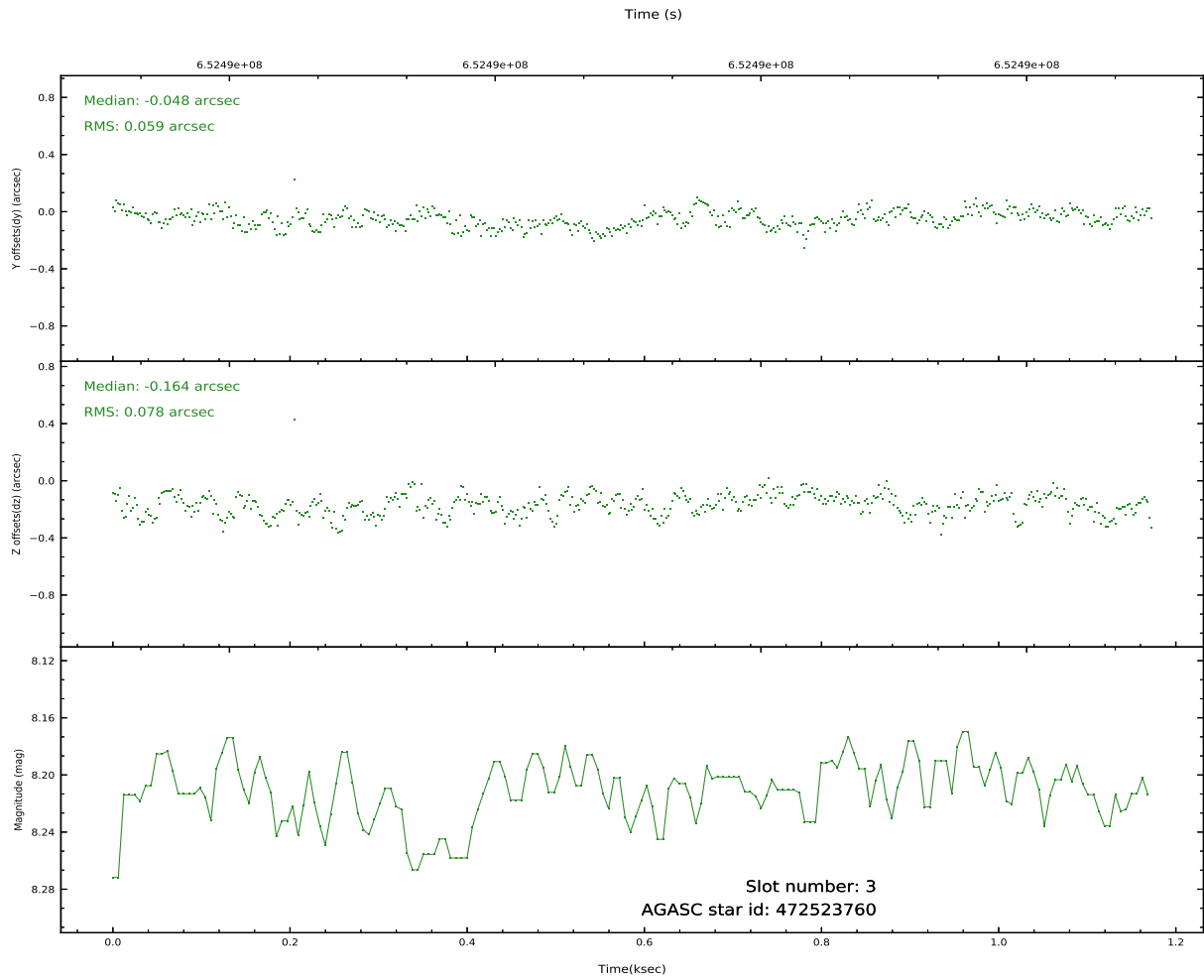
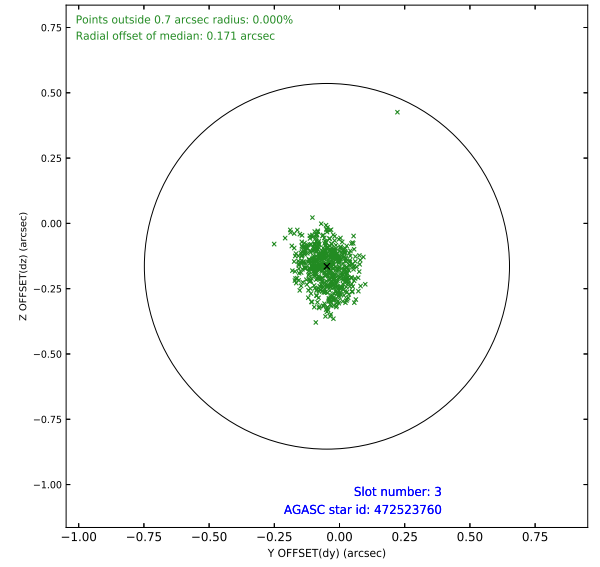
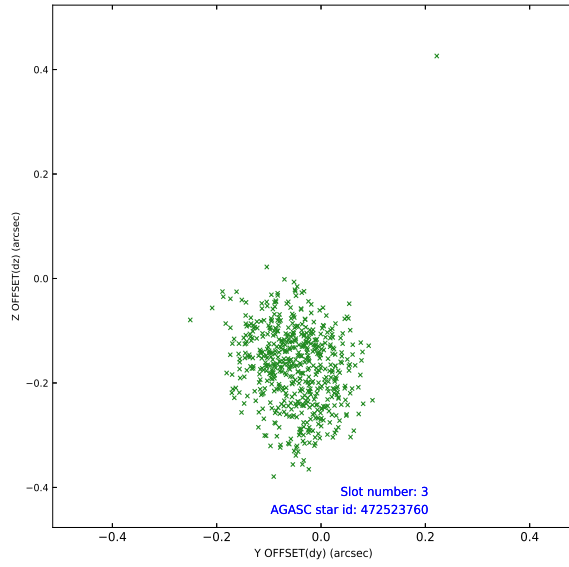


Slot Statistics

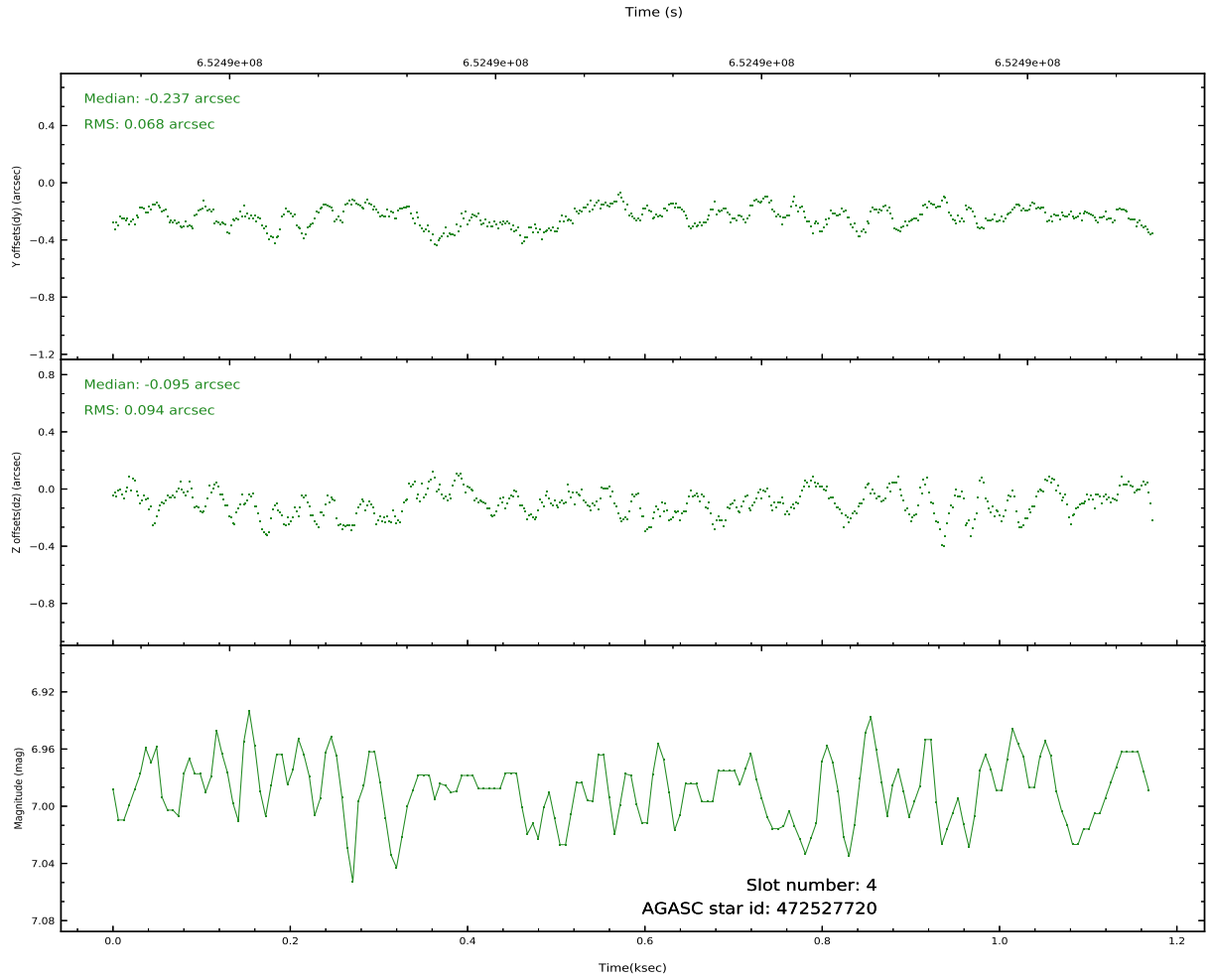
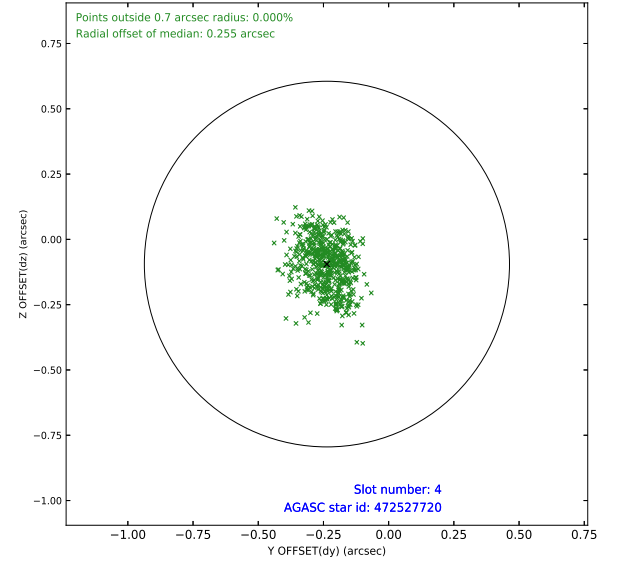
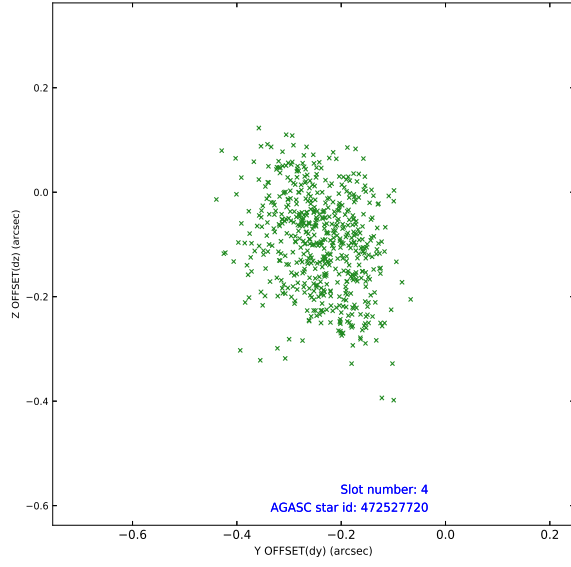
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.02	286	1.000	0.090	-0.191	0.007	0.013	0.000000	0.000000	-1171.81	-466
1	FID		HRC-S-2	6.99	286	1.000	0.293	-0.153	0.005	0.009	0.000000	0.000000	1223.95	-461
2	FID		HRC-S-3	7.02	286	1.000	0.006	0.042	0.007	0.012	0.000000	0.000000	-1170.21	561
3	GUIDE	used	472523760	8.21	573	1.000	-0.048	-0.164	0.103	0.156	331.645363	45.403260	1640.07	776
4	GUIDE	used	472527720	6.99	573	1.000	-0.237	-0.095	0.125	0.193	331.460205	45.112509	2356.57	1675
5	GUIDE	used	472651904	6.30	573	1.000	-0.184	0.045	0.123	0.201	332.170077	45.742257	64.59	-82
6	GUIDE	used	472655152	9.40	571	1.000	0.162	0.062	0.208	0.355	332.504239	45.862991	-858.05	-306
7	GUIDE	used	472665256	8.94	572	1.000	0.314	0.167	0.148	0.253	332.808125	46.195041	-1878.37	-1290

2.4 Star Slots

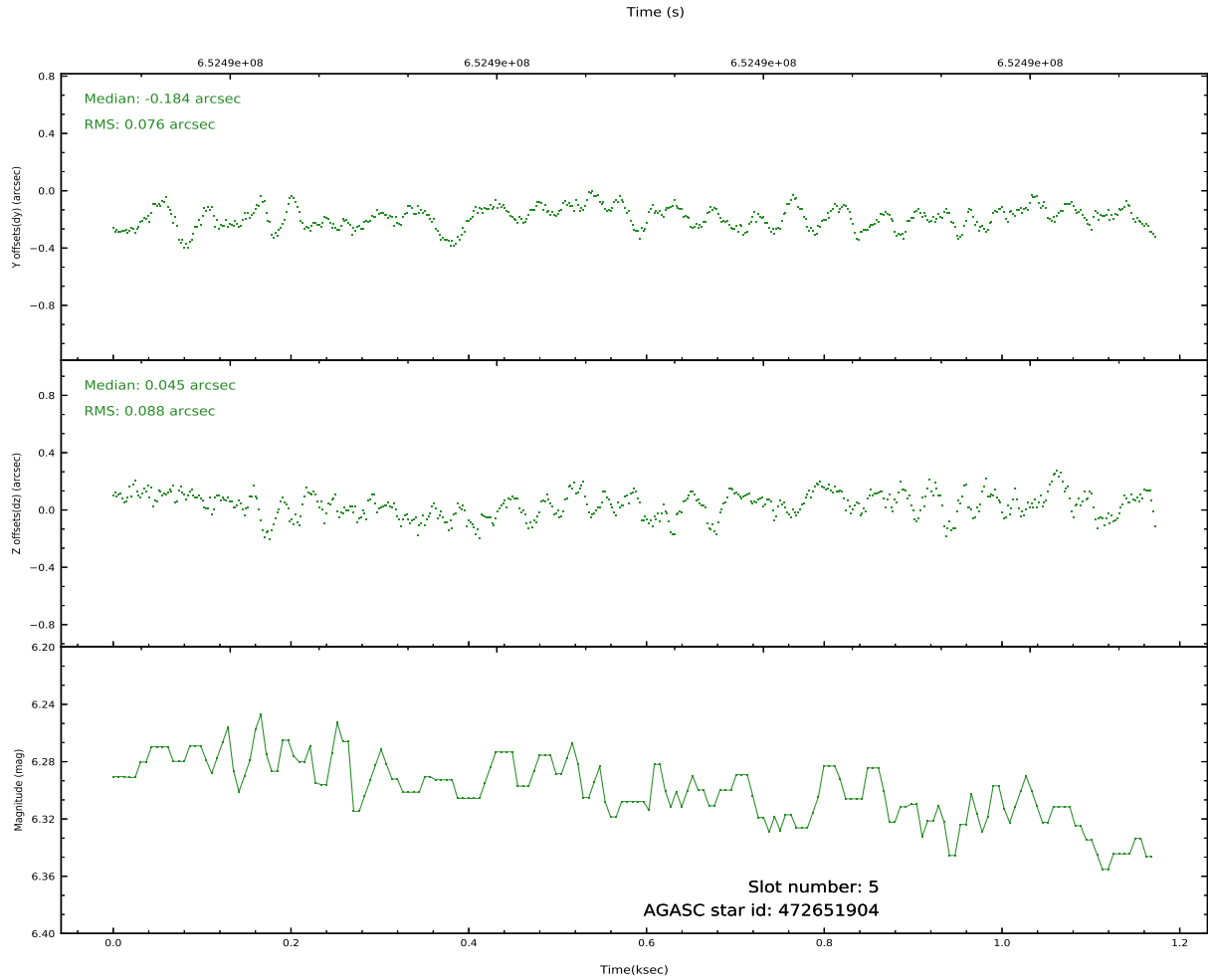
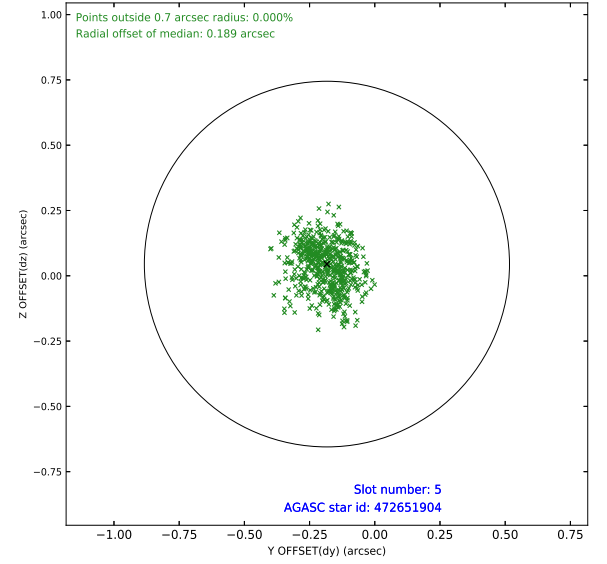
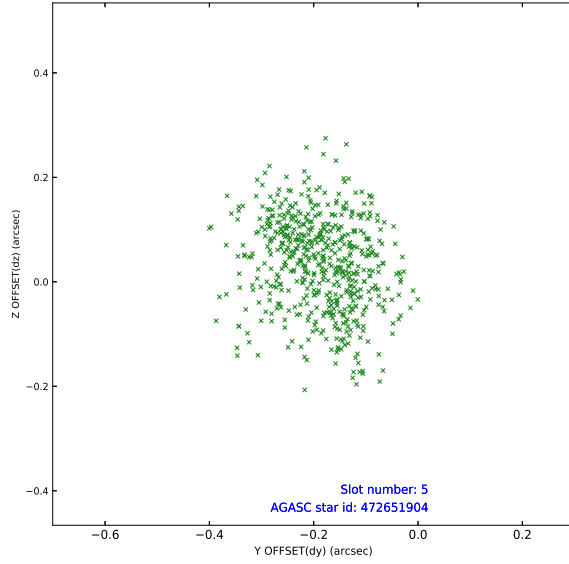
2.4.1 Slot 3



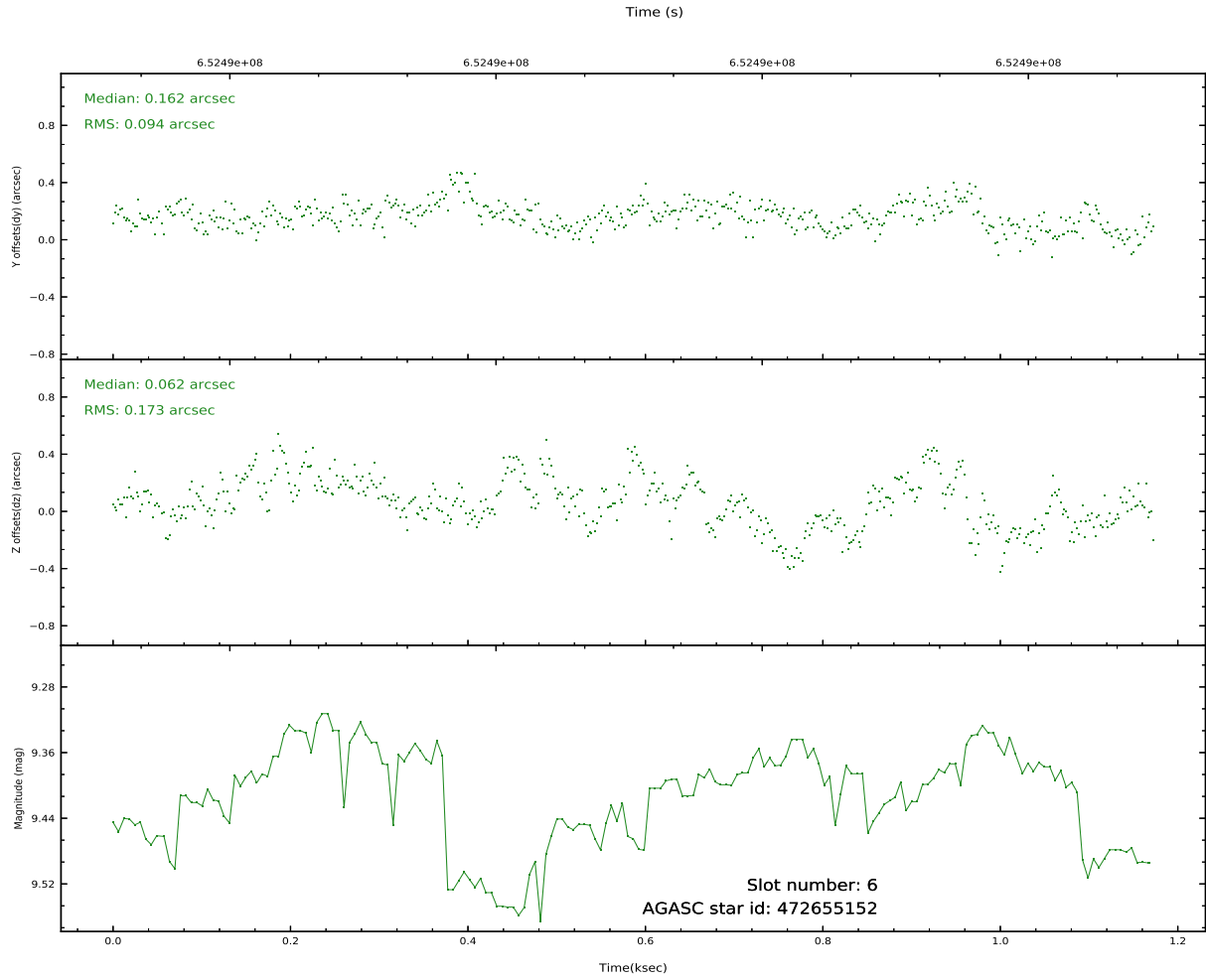
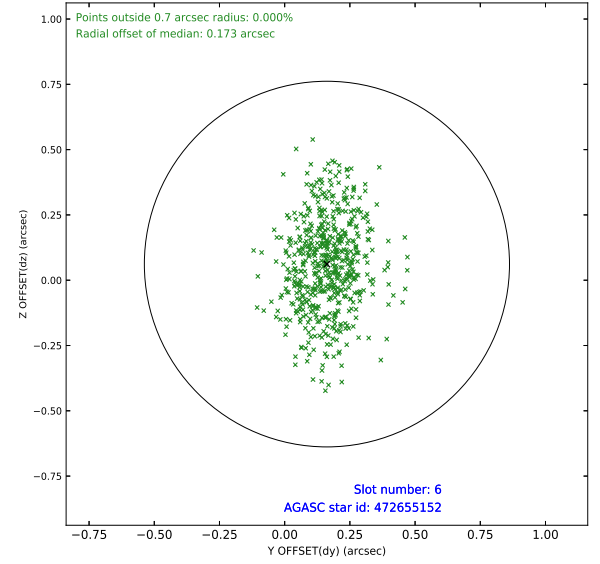
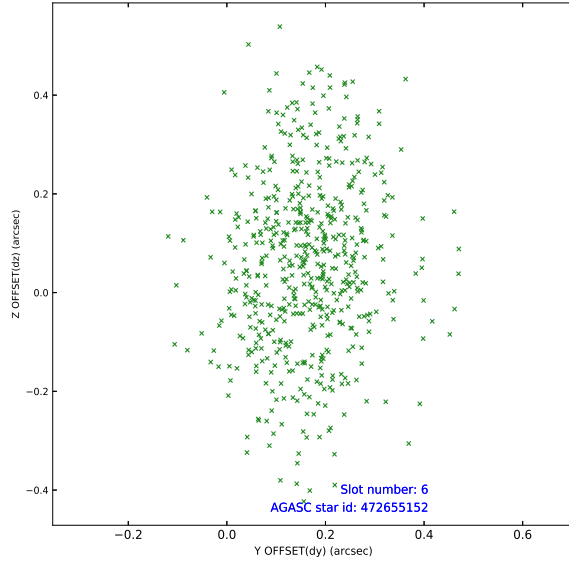
2.4.2 Slot 4



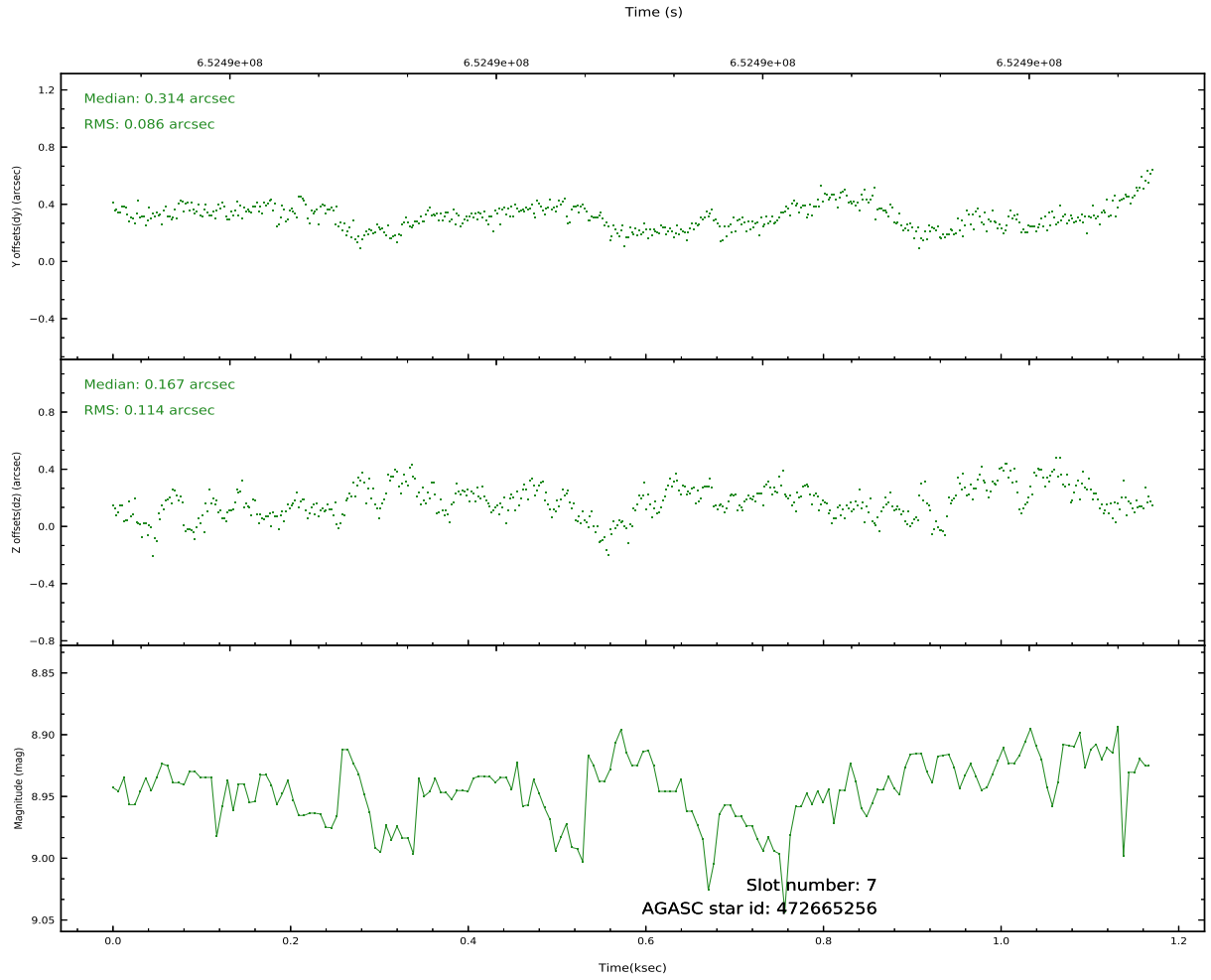
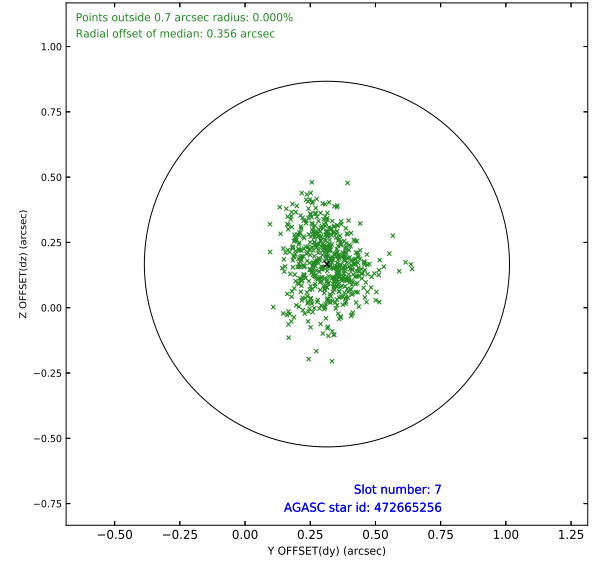
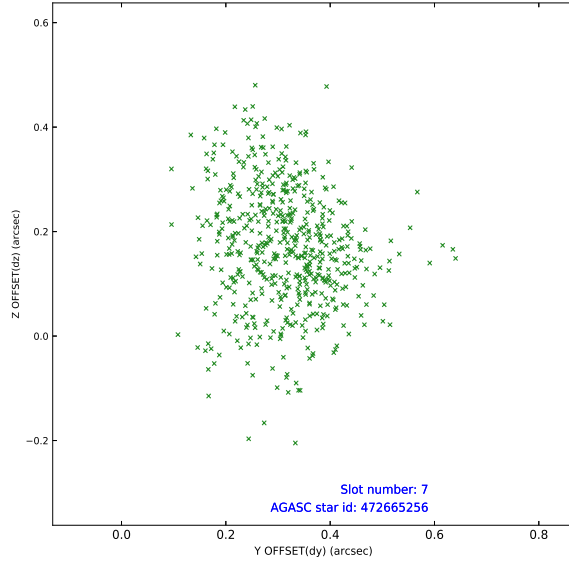
2.4.3 Slot 5



2.4.4 Slot 6

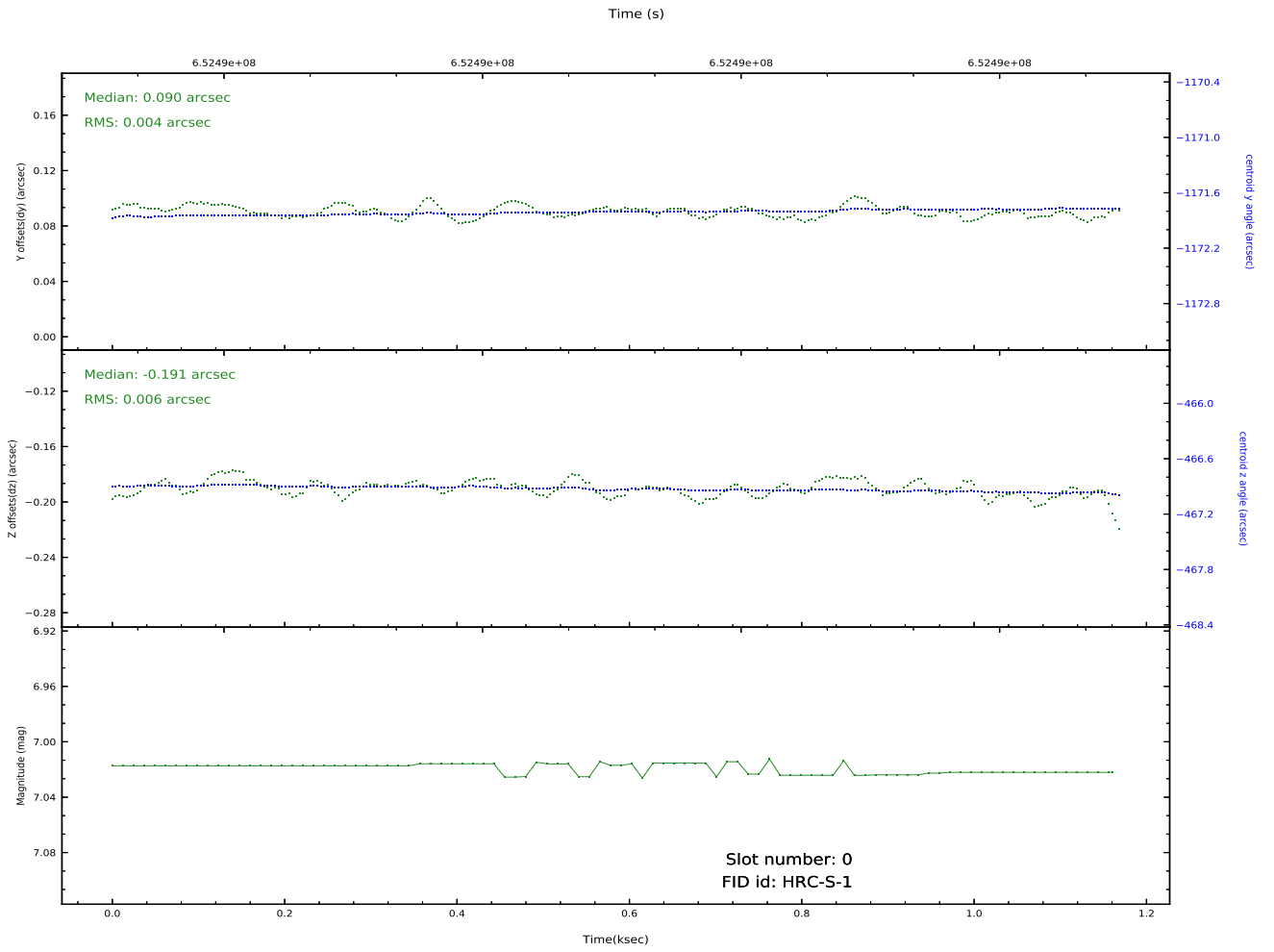
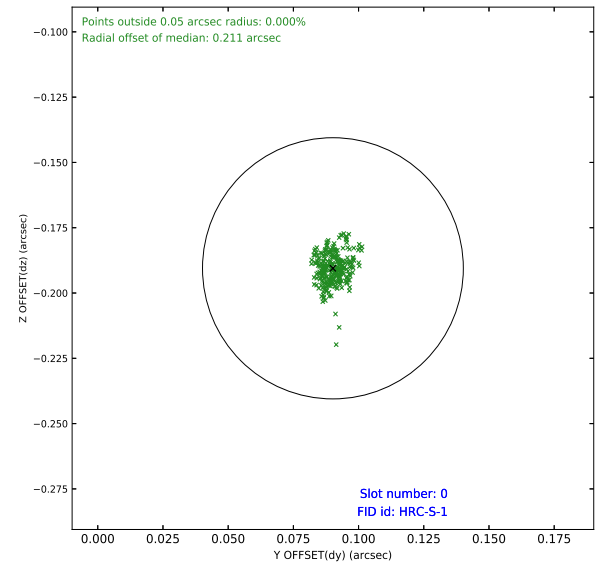
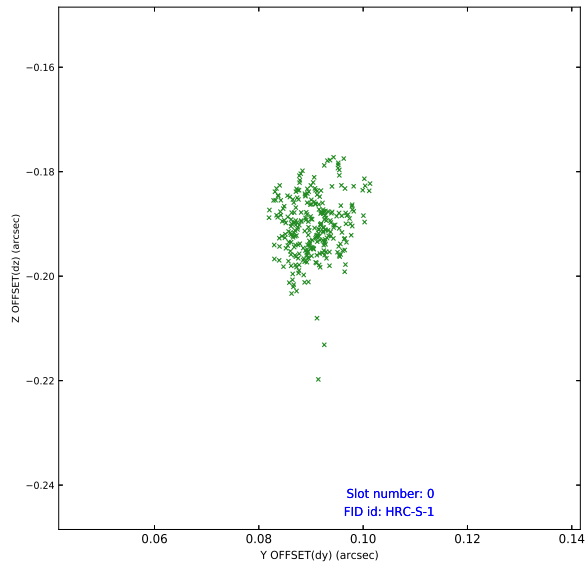


2.4.5 Slot 7

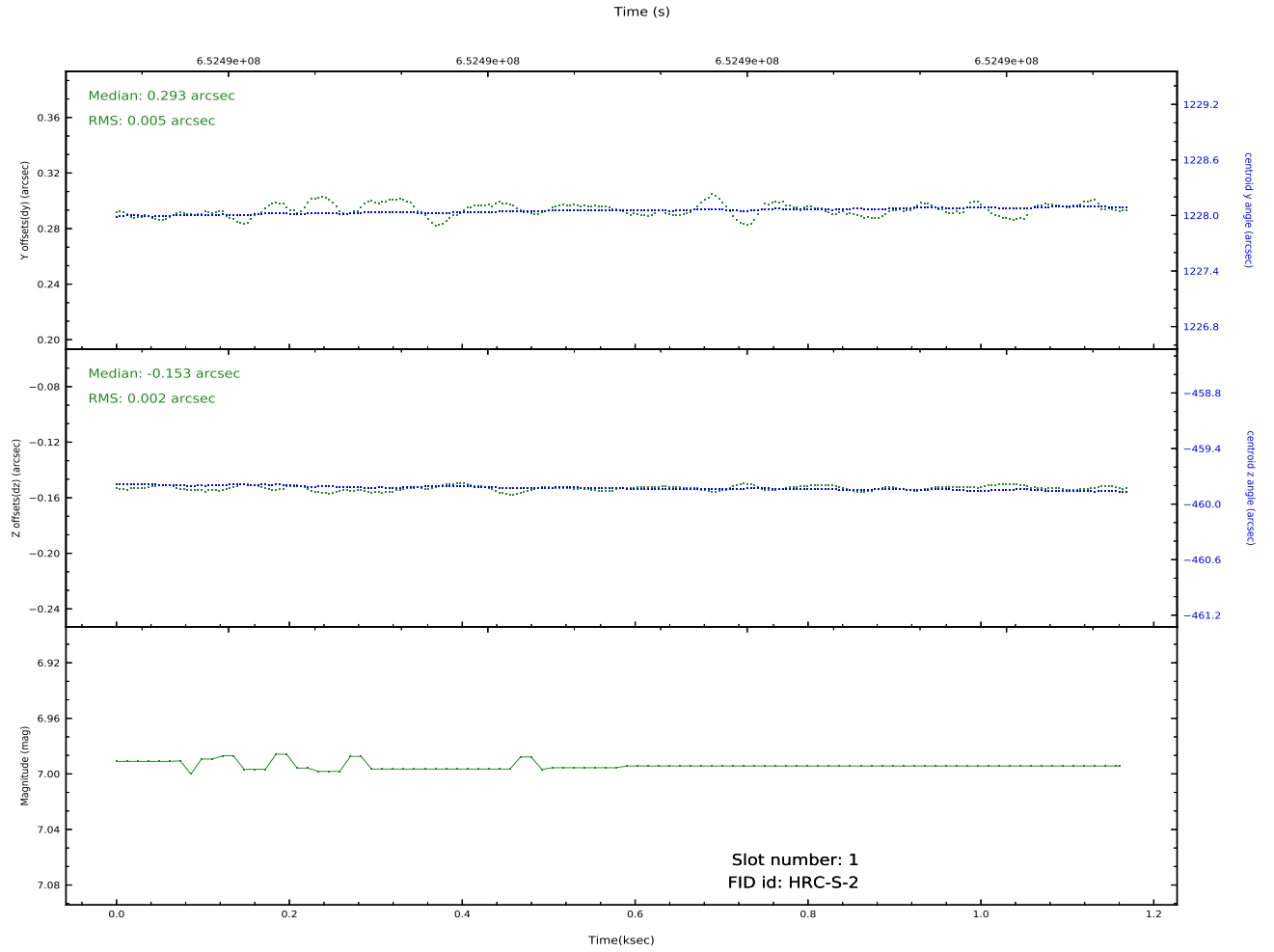
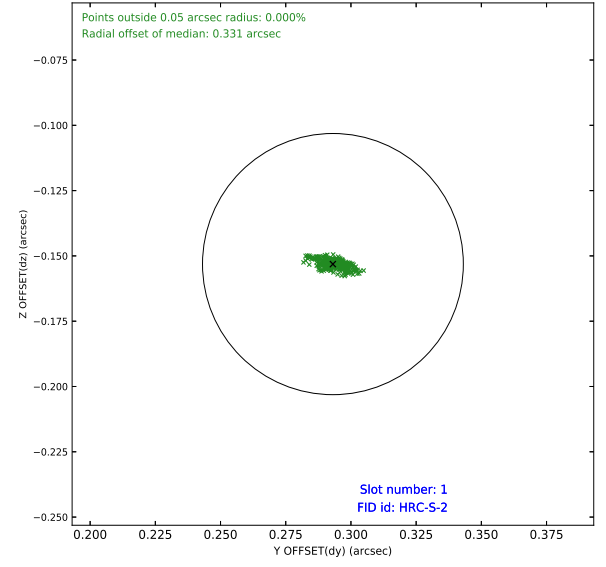
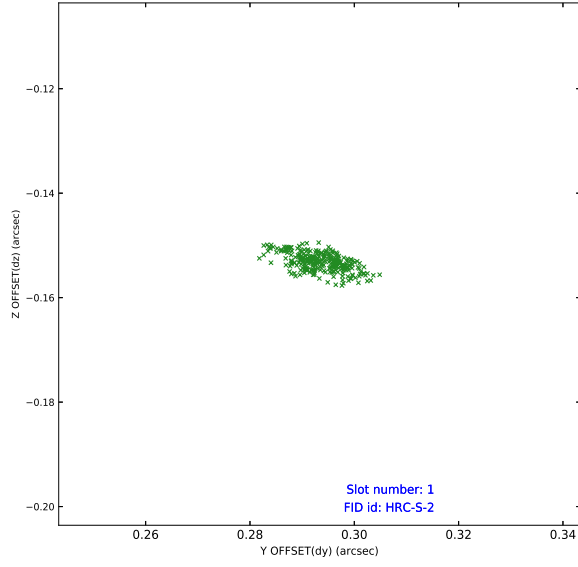


2.5 FID Slots

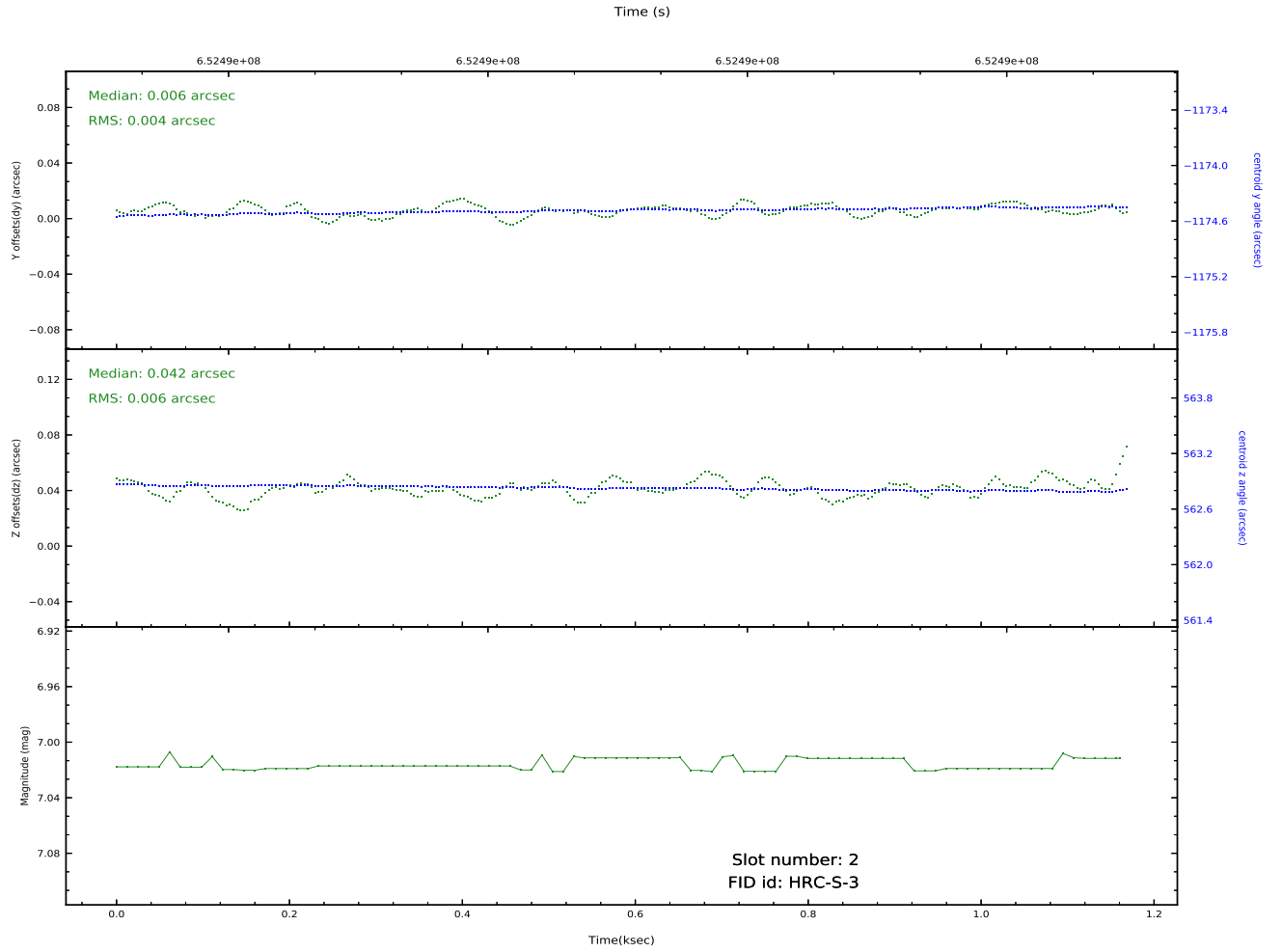
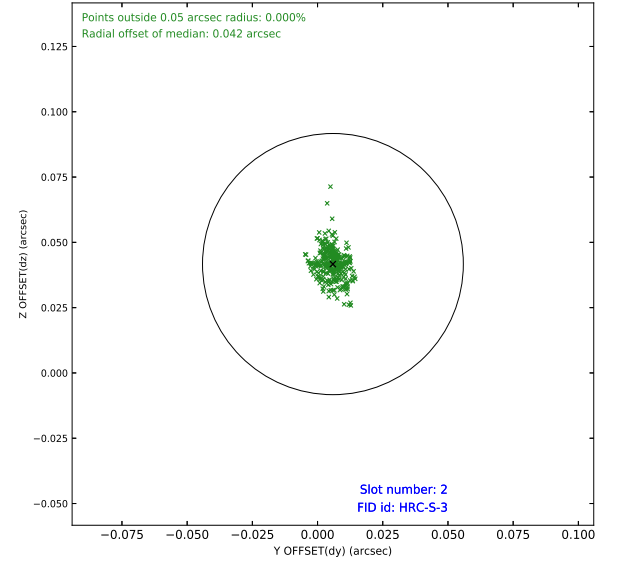
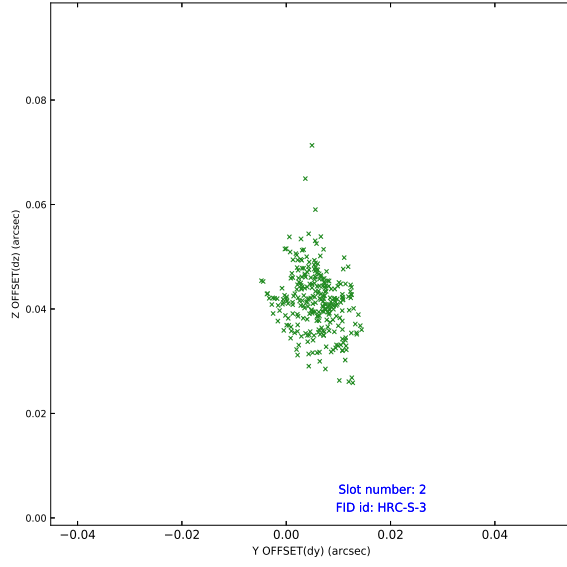
2.5.1 Slot 0



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