

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20696 - L2 Version 2
Chandra X-Ray Center

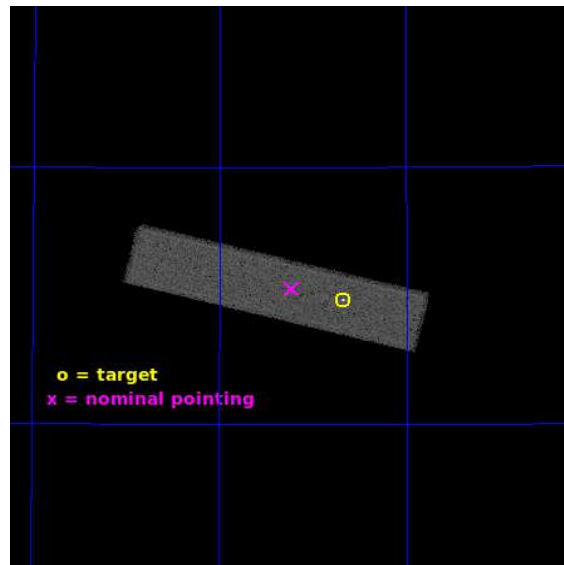
L2 Processing Date : Oct 27 2020

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1 Front

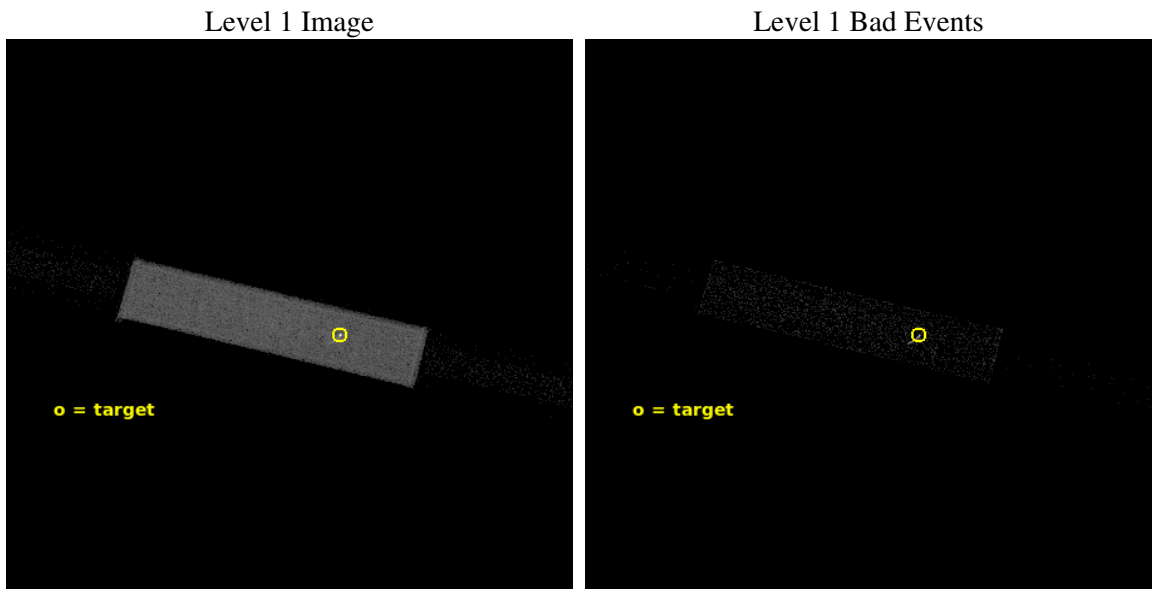
seq_num	291407	Sequence number
obs_id	20696	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.30576822265	Nominal RA [deg]
dec_nom	45.764002666069	Nominal Dec [deg]
roll_nom	193.96813843947	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1175.931319952	[s]
livetime	1165.7971071088	Ontime multiplied by DTCOR
l2events	78278	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	117946	Number of level 1 events
date	2020-10-27T16:45:03	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

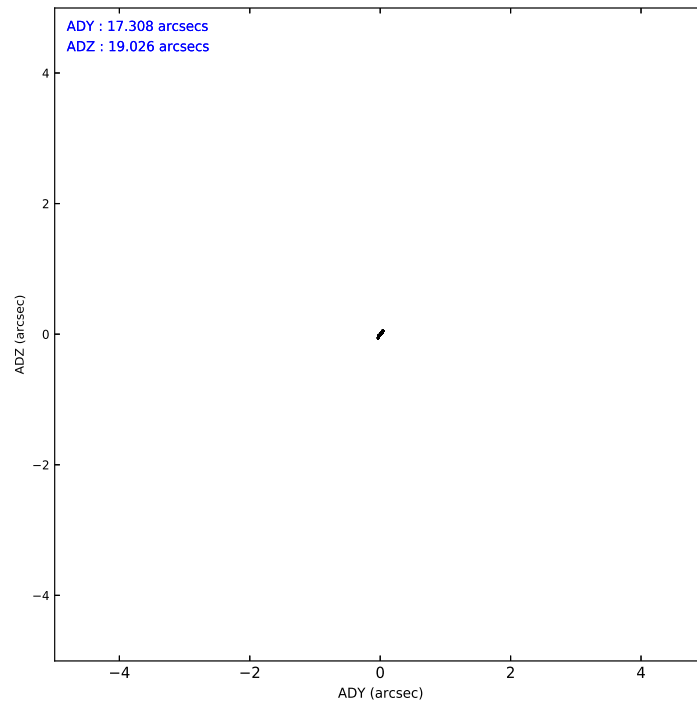
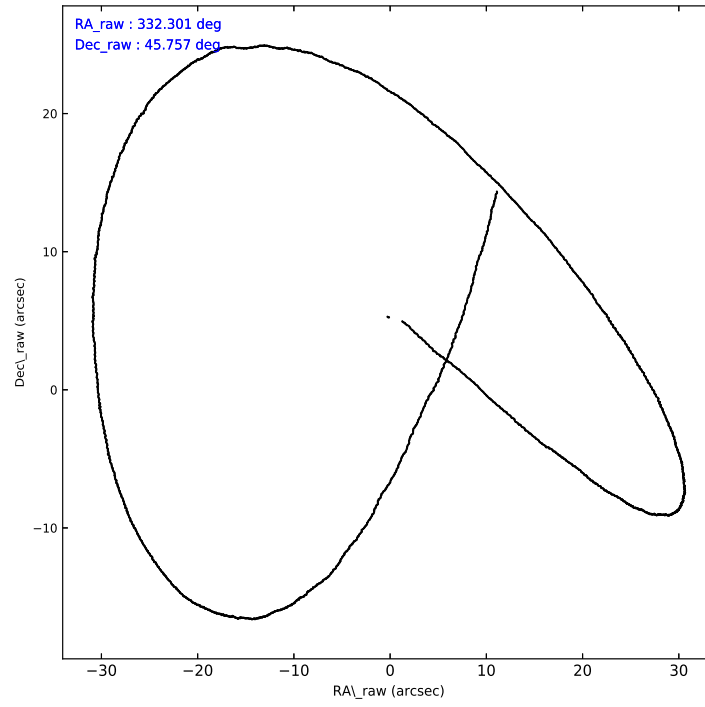
	segment 1	segment 2	segment 3
level 1 events	1005	116009	932
rejected events	1005	24671	932
rejected %	100%	21%	100%

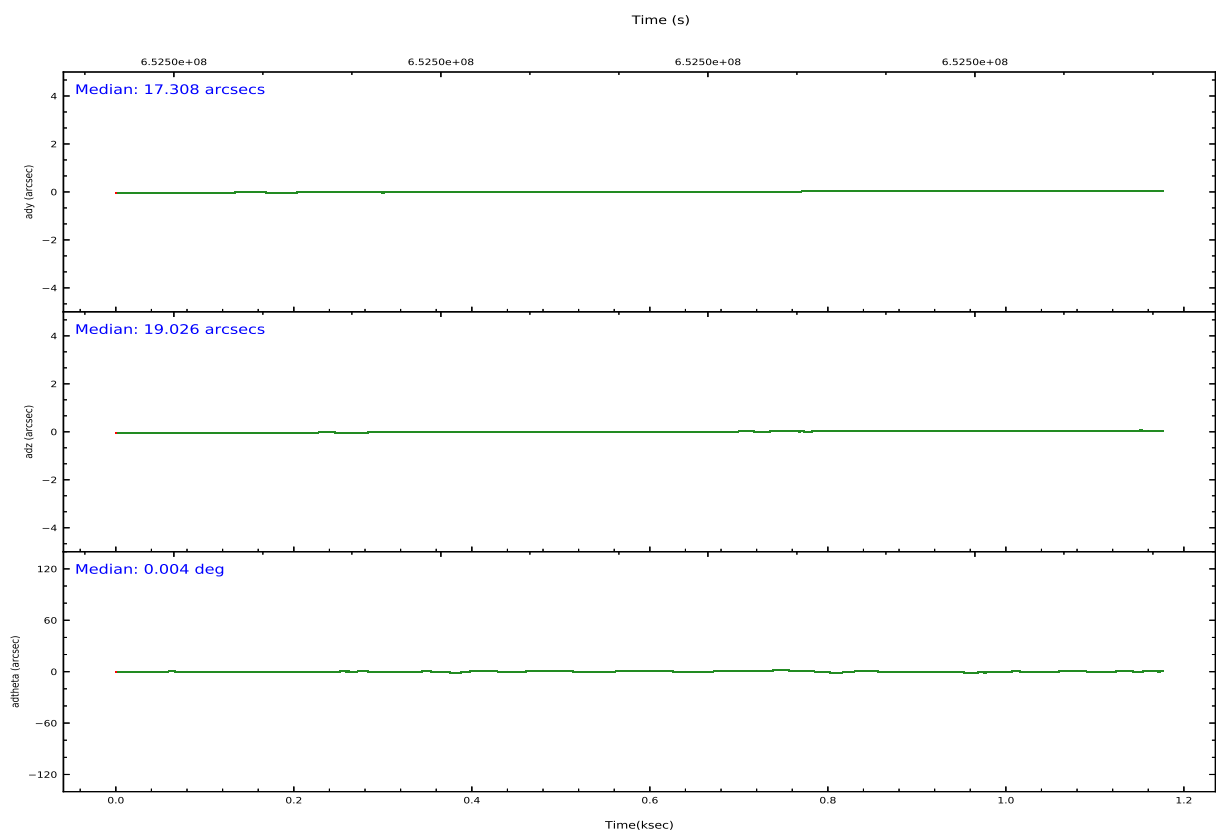
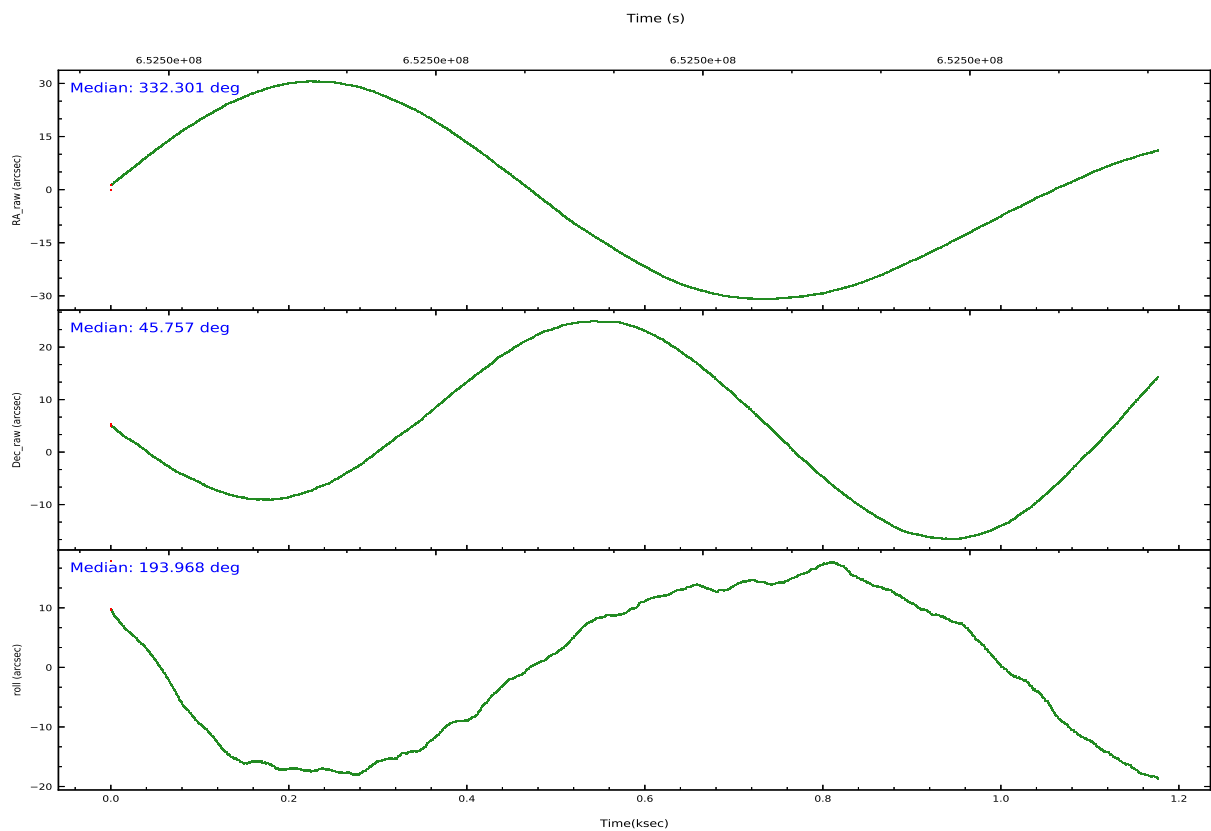
2.2 Compared Parameters

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	332.328332	332.30576822265
[deg] Pointing Dec	45.779609	45.764002666069
[deg] Pointing Roll	193.889979	193.96813843947
[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)	652496011.184000	652495635.5381401
Observation start date	2018-09-05T00:52:22	2018-09-05T00:47:15
[s] Observation end time (MET)	652497011.184000	652497145.36323
Observation end date	2018-09-05T01:09:02	2018-09-05T01:12:25

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

2.3 Aspect



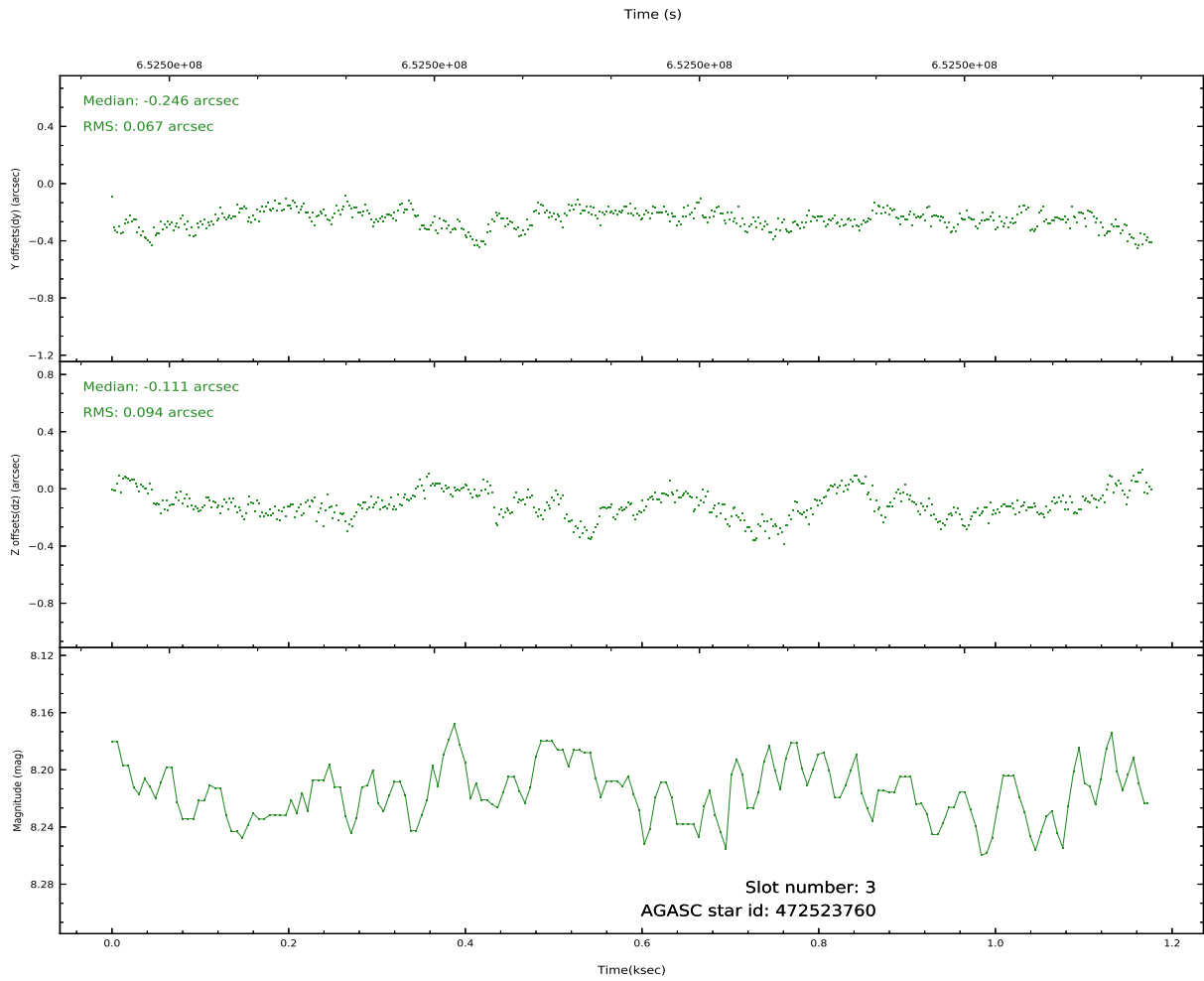
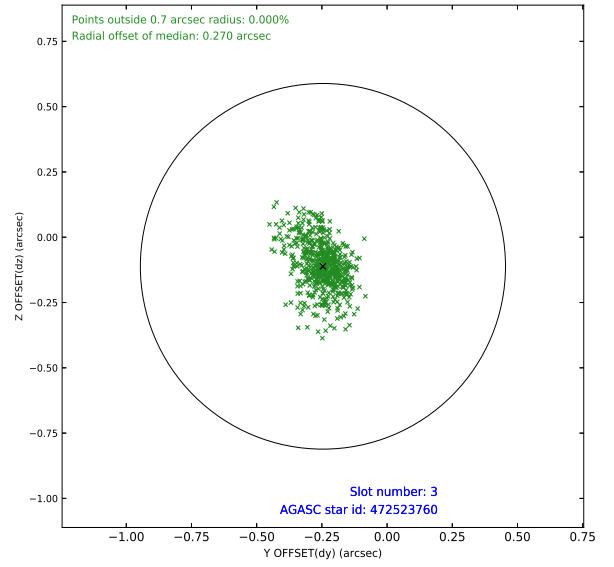
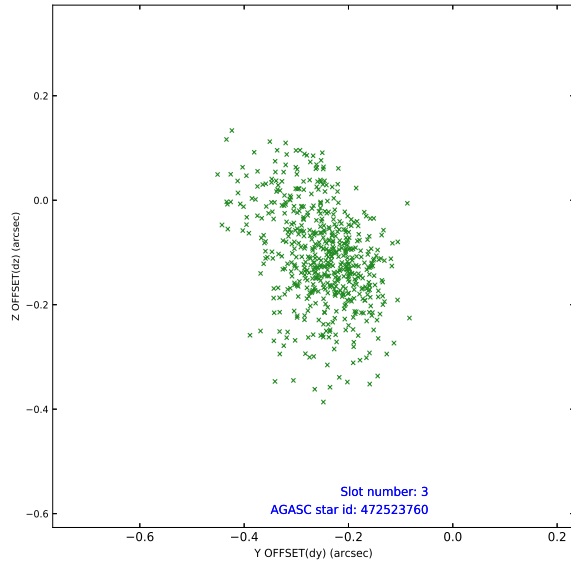


Slot Statistics

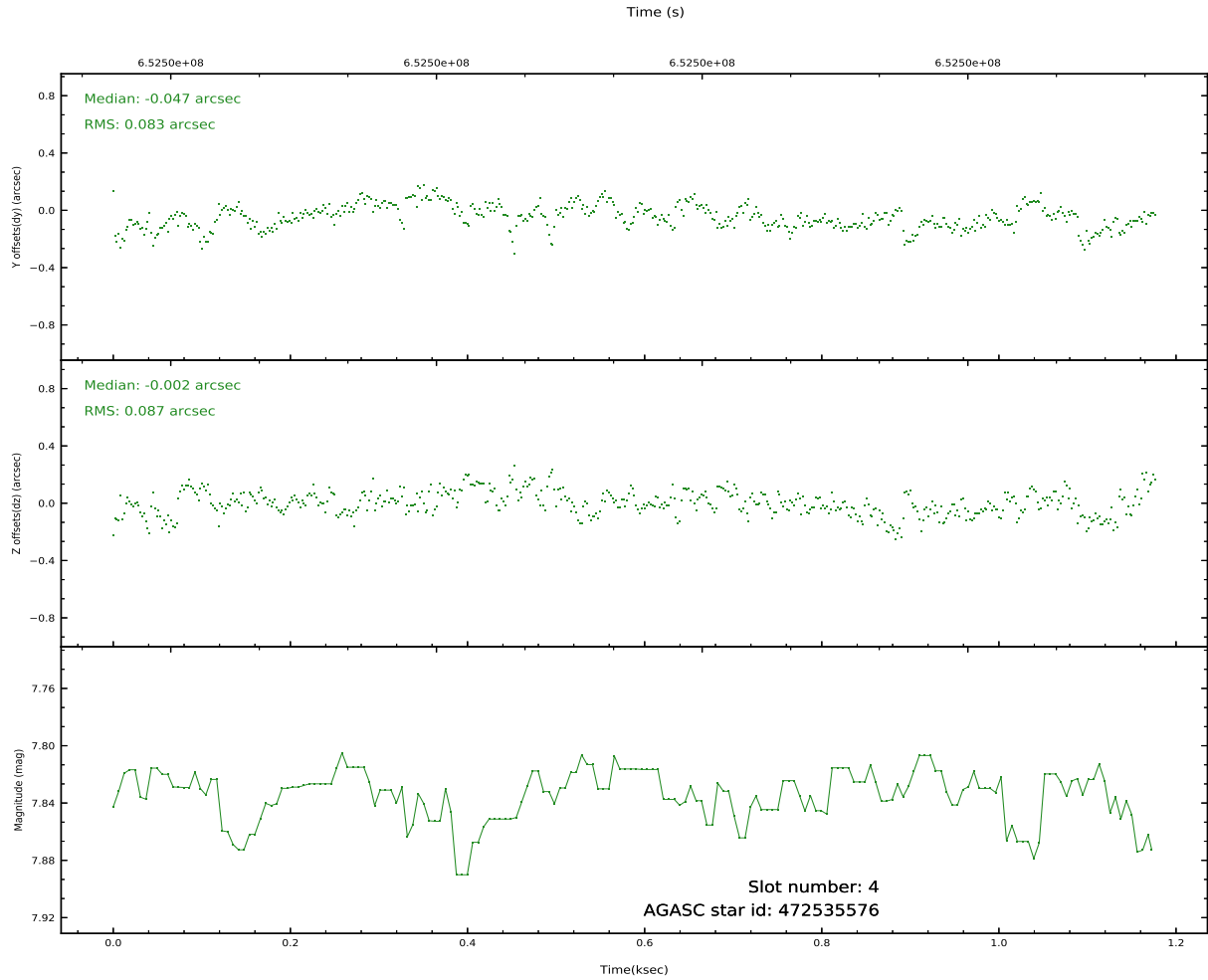
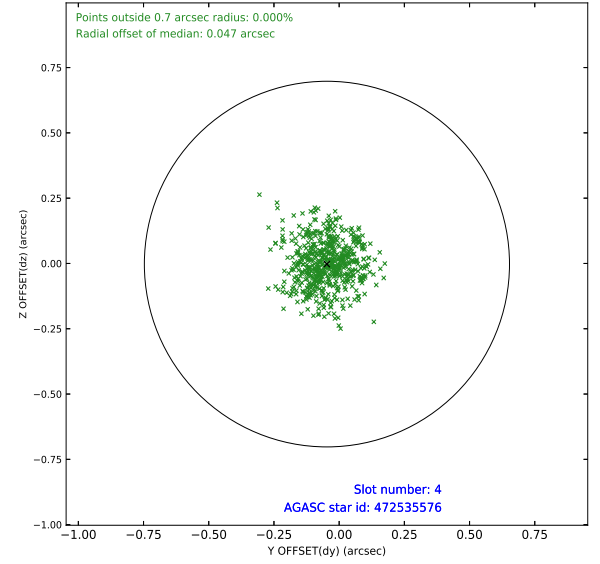
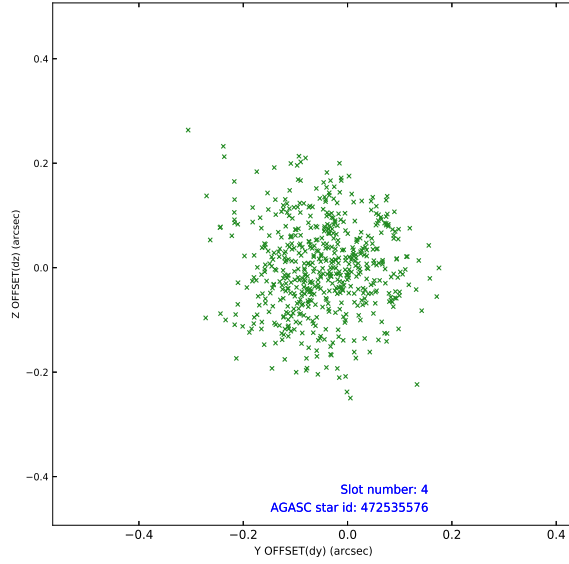
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	288	1.000	0.095	-0.241	0.007	0.011	0.000000	0.000000	-1171.80	-467
1	FID		HRC-S-2	7.01	288	1.000	0.298	-0.157	0.005	0.009	0.000000	0.000000	1223.99	-462
2	FID		HRC-S-3	7.03	288	1.000	-0.003	0.095	0.006	0.011	0.000000	0.000000	-1170.24	560
3	GUIDE	used	472523760	8.21	575	1.000	-0.246	-0.111	0.121	0.210	331.645363	45.403260	2000.29	889
4	GUIDE	used	472535576	7.83	575	1.000	-0.047	-0.002	0.133	0.206	331.438373	46.291802	1708.27	-2335
5	GUIDE	used	472655152	9.39	575	1.000	0.073	0.086	0.199	0.342	332.504239	45.862991	-496.17	-193
6	GUIDE	used	472665256	8.95	575	1.000	0.203	0.073	0.140	0.251	332.808125	46.195041	-1519.98	-1172
7	GUIDE	used	472533912	9.11	572	1.000	0.025	-0.055	0.186	0.307	331.791136	46.368695	784.04	-2389

2.4 Star Slots

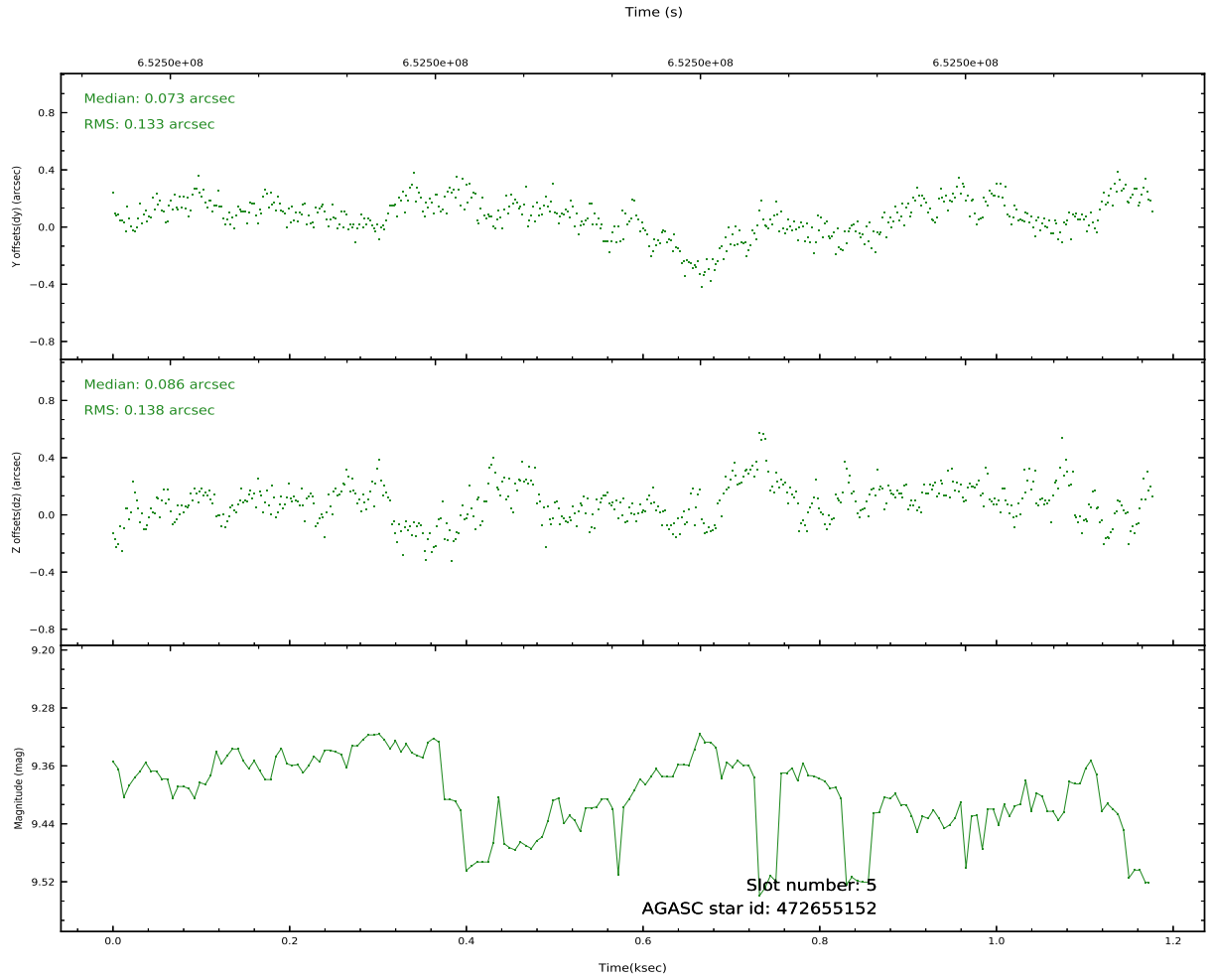
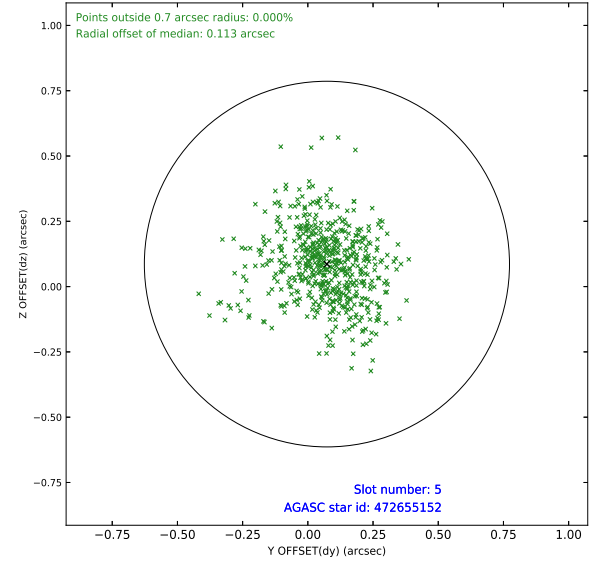
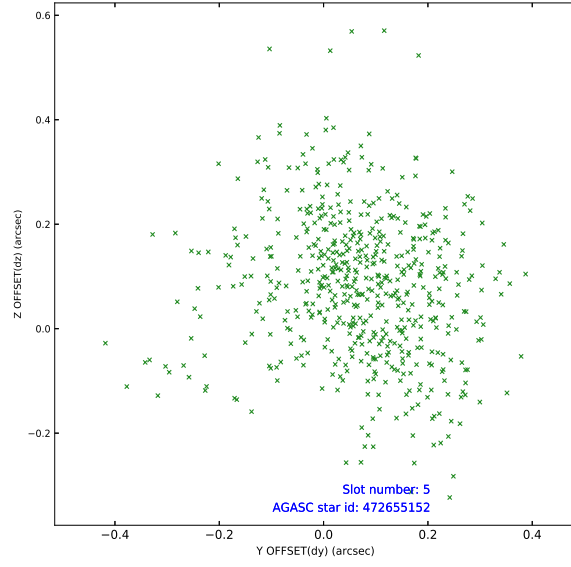
2.4.1 Slot 3



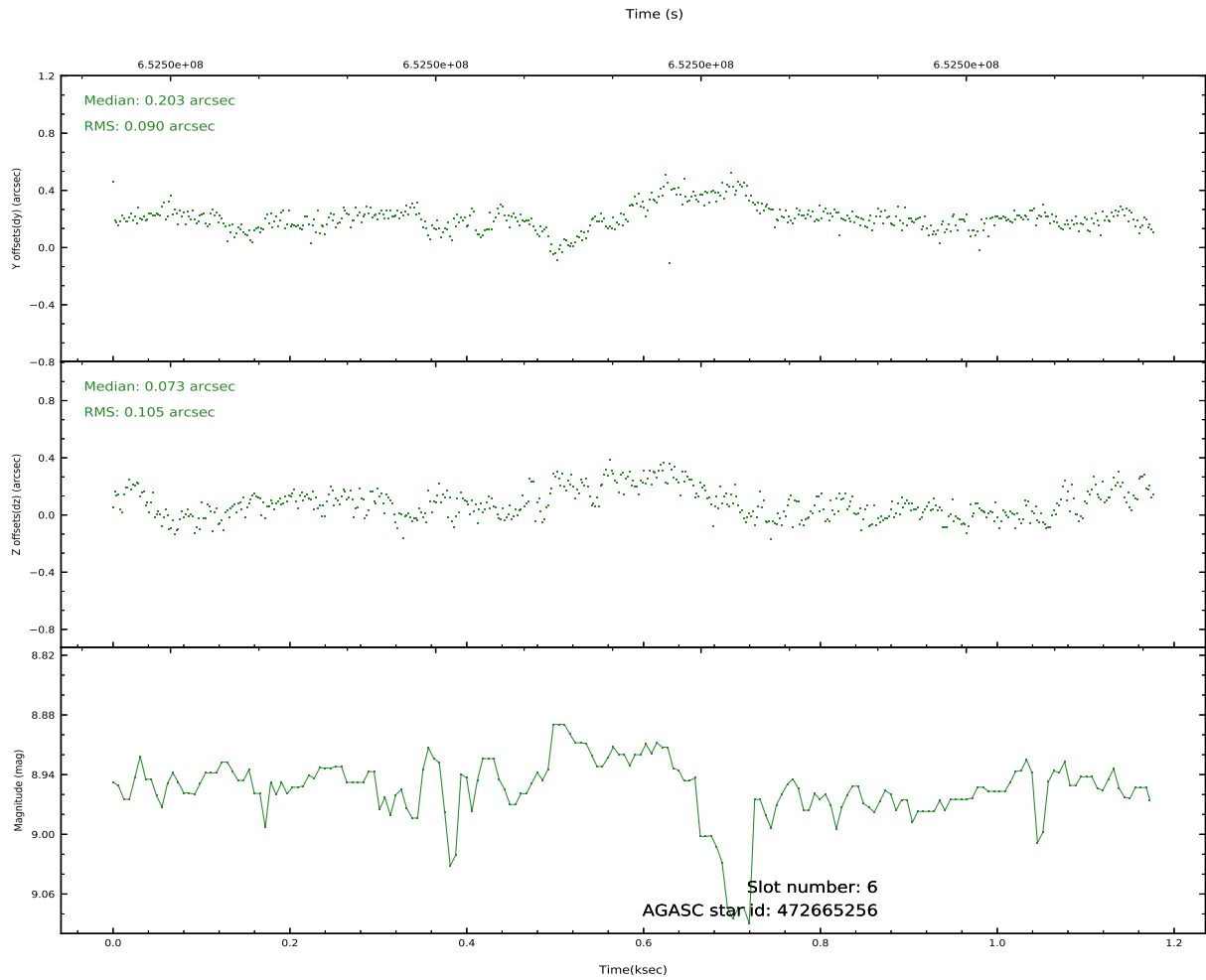
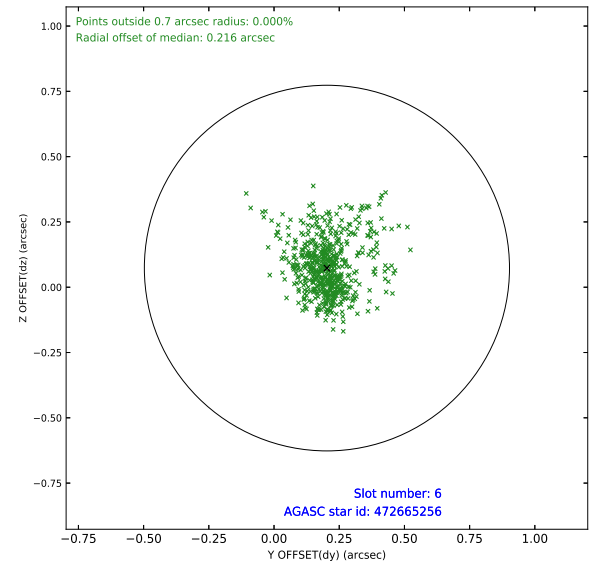
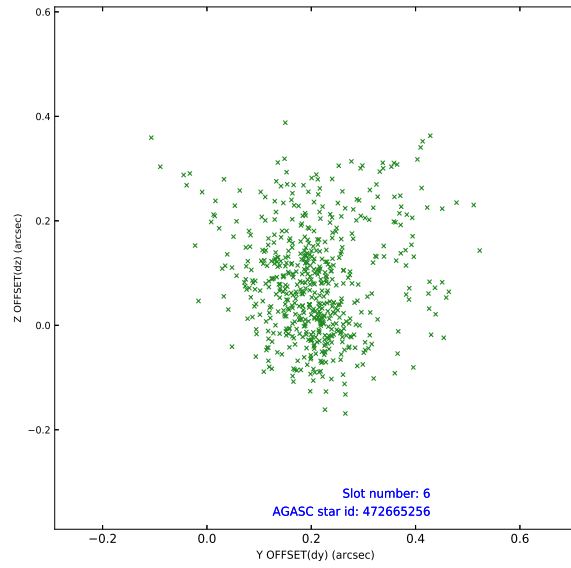
2.4.2 Slot 4



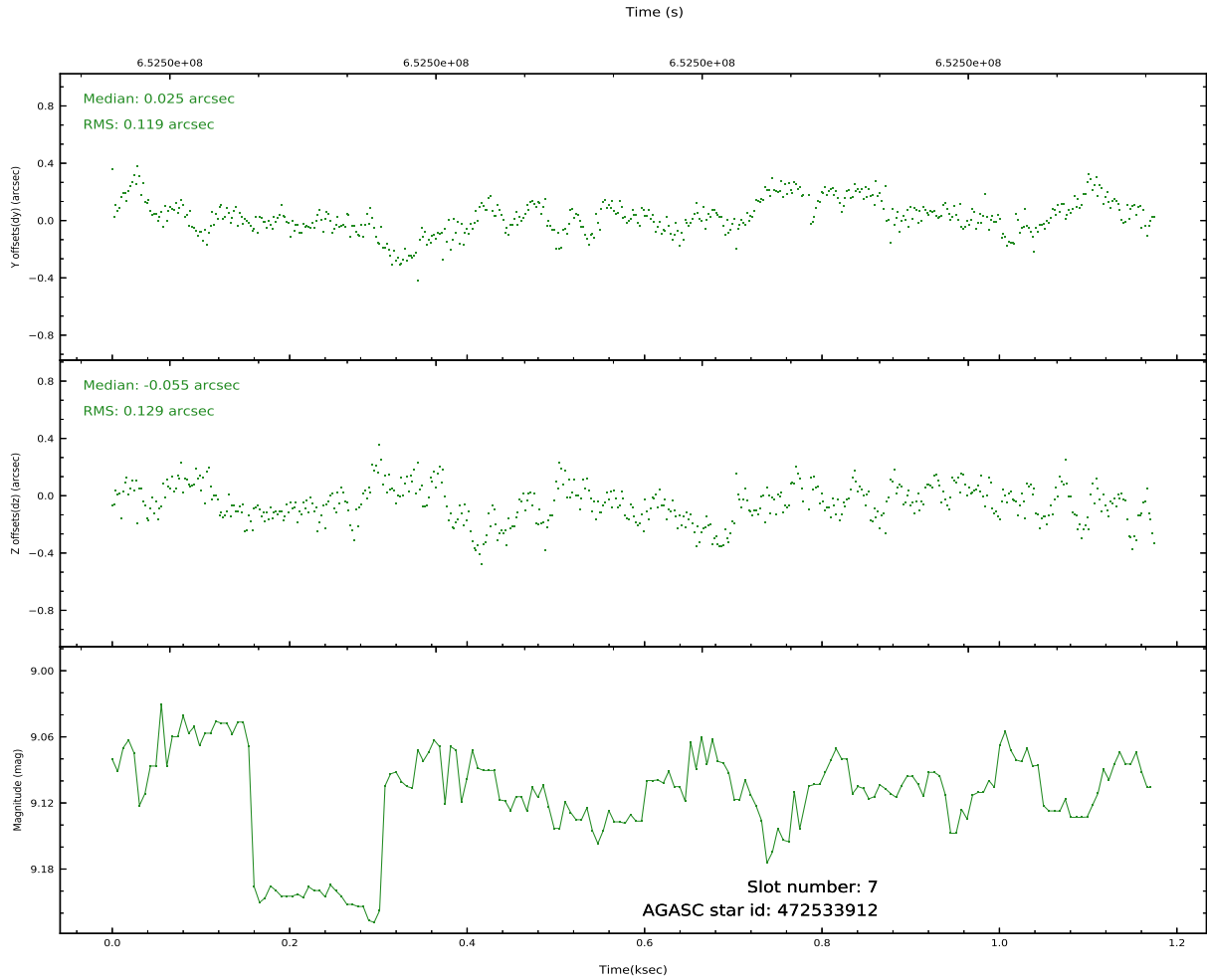
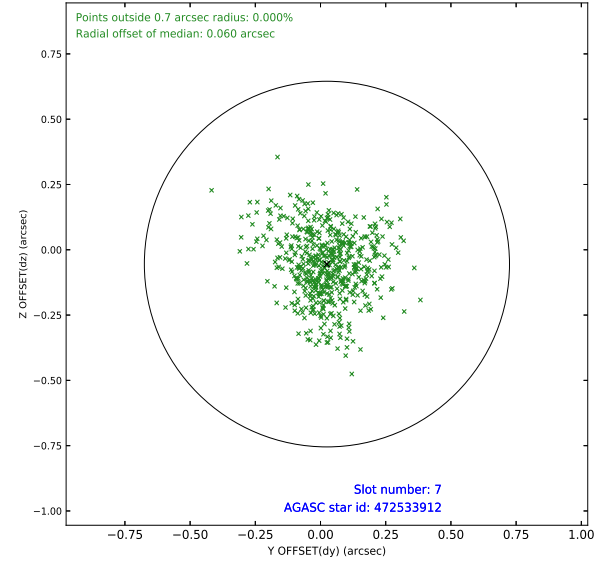
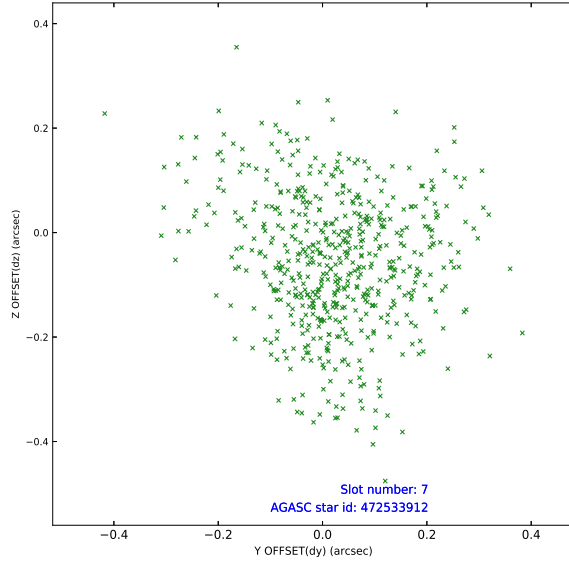
2.4.3 Slot 5



2.4.4 Slot 6

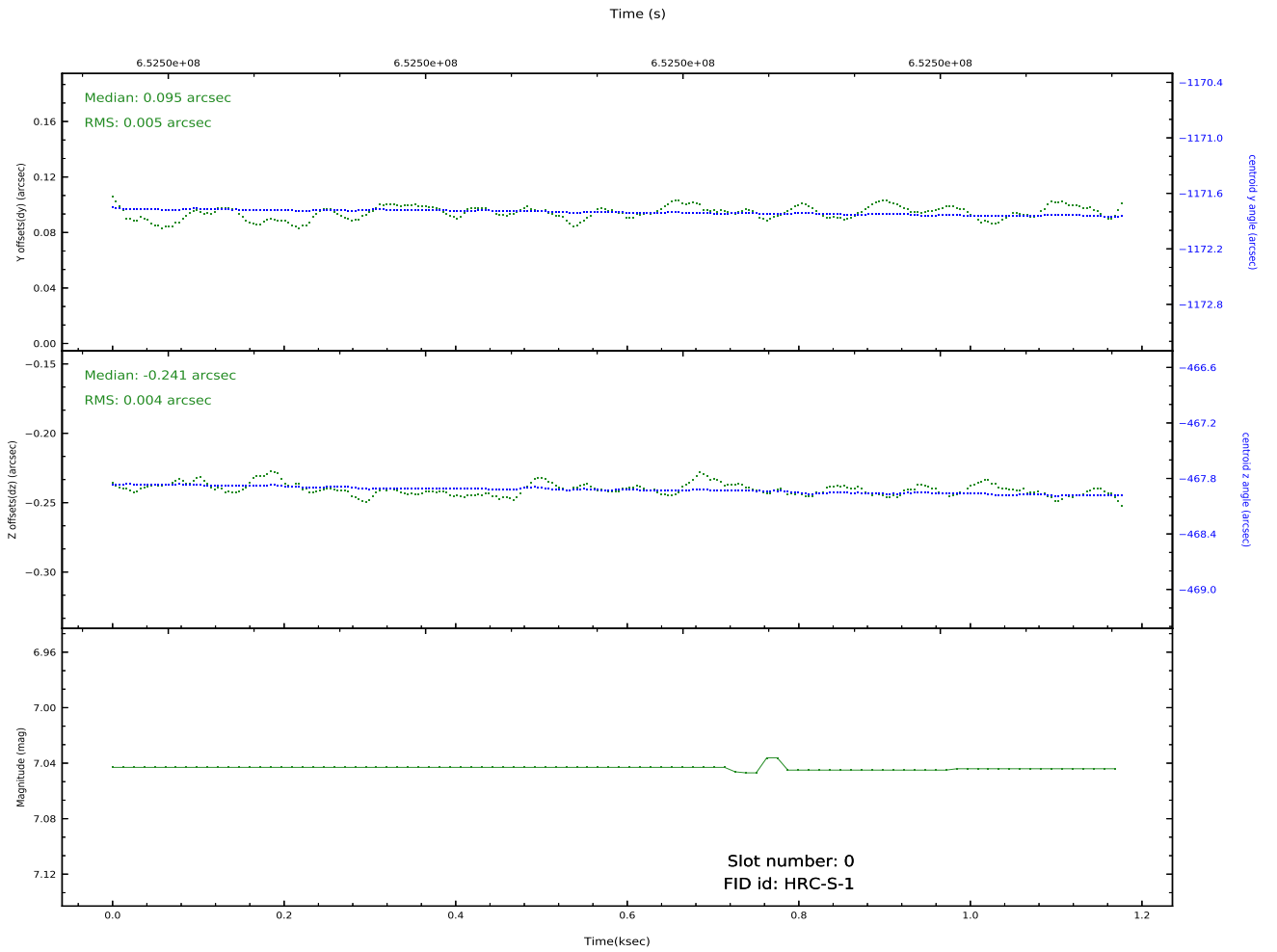
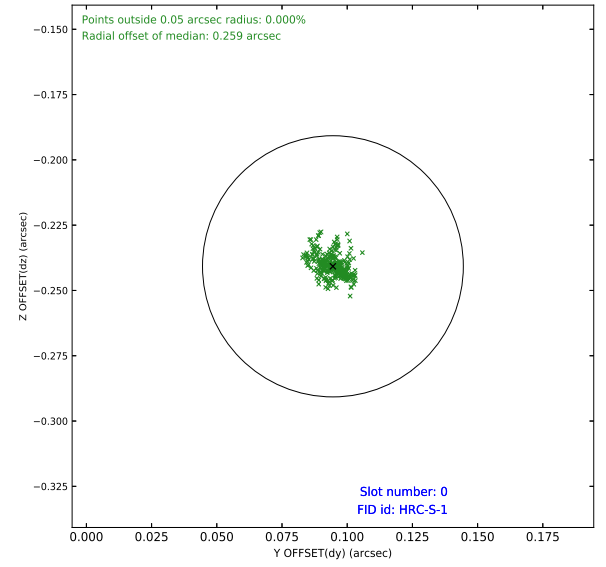
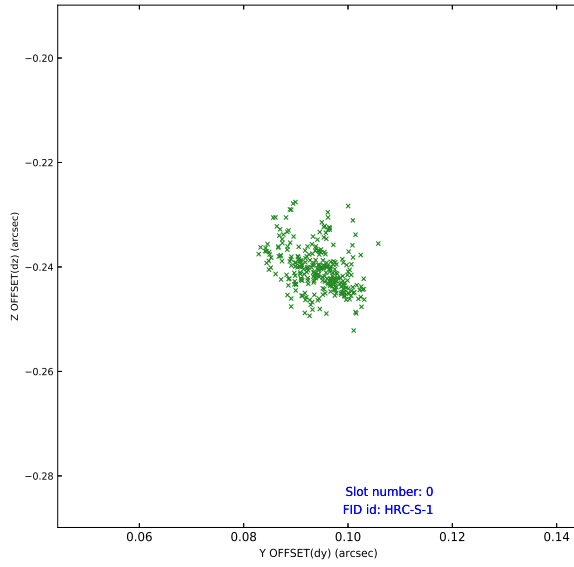


2.4.5 Slot 7

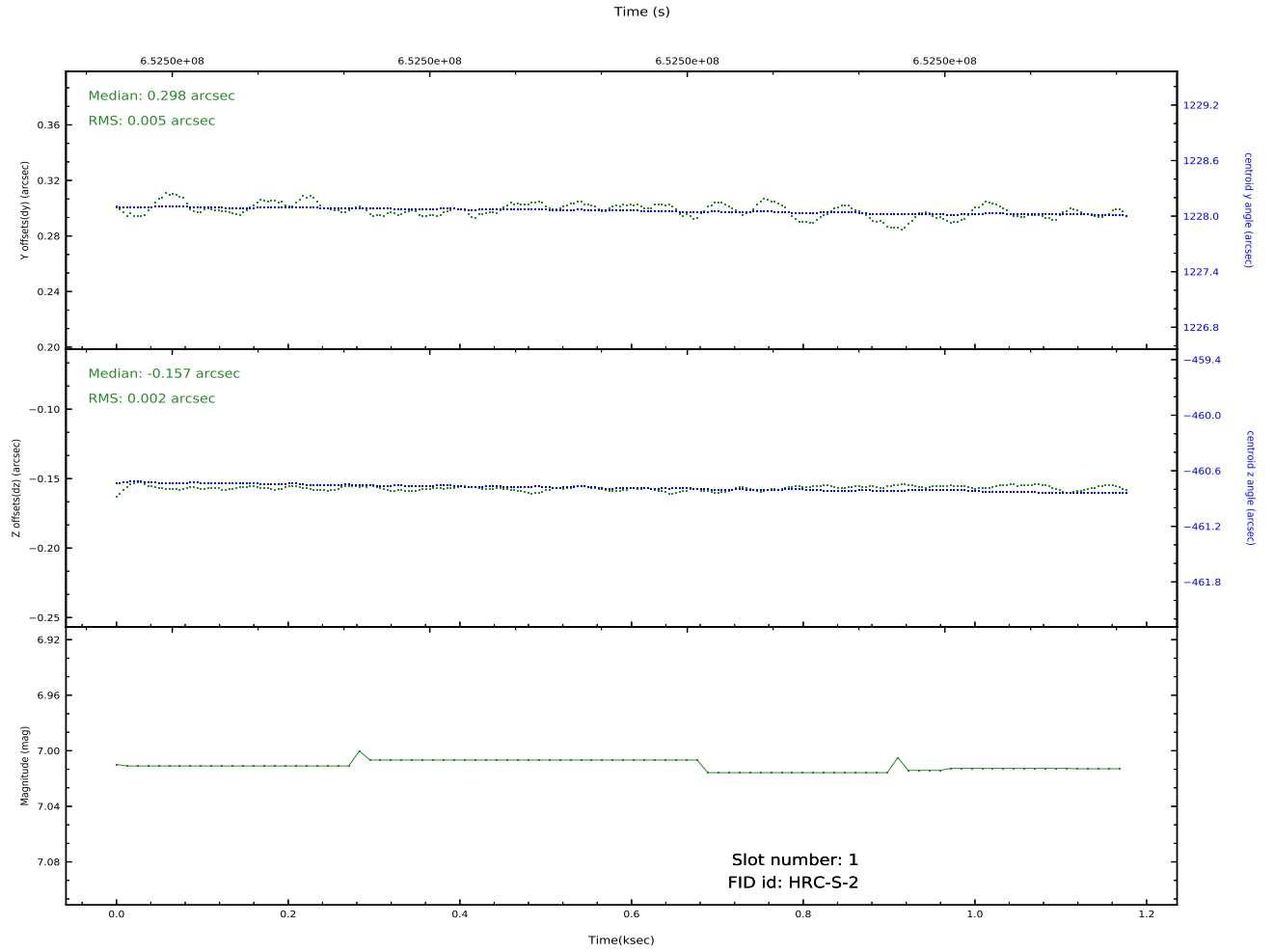
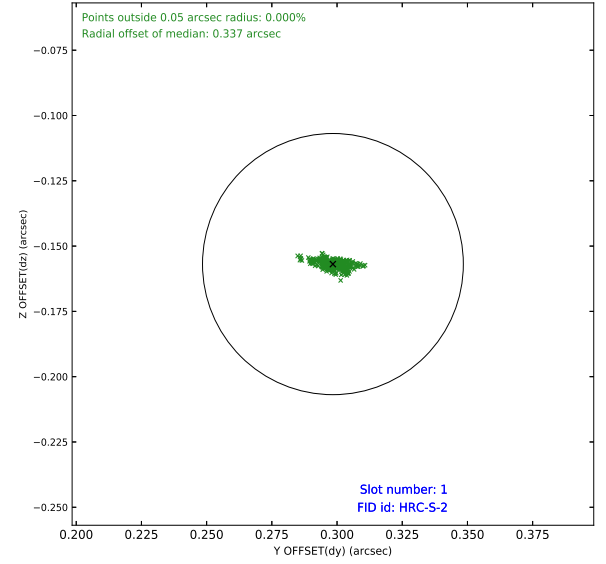
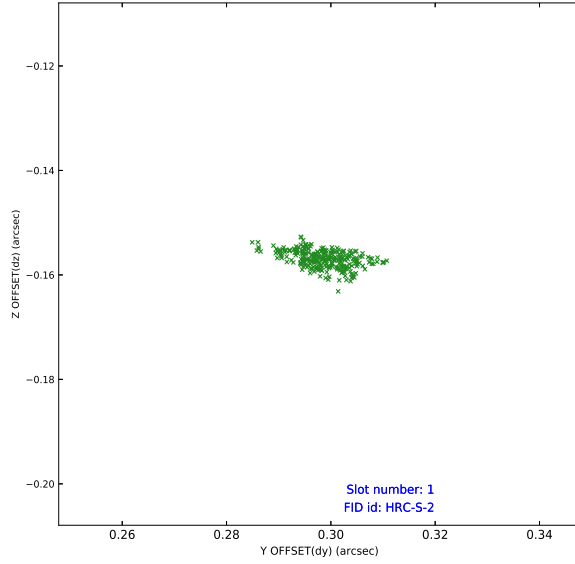


2.5 FID Slots

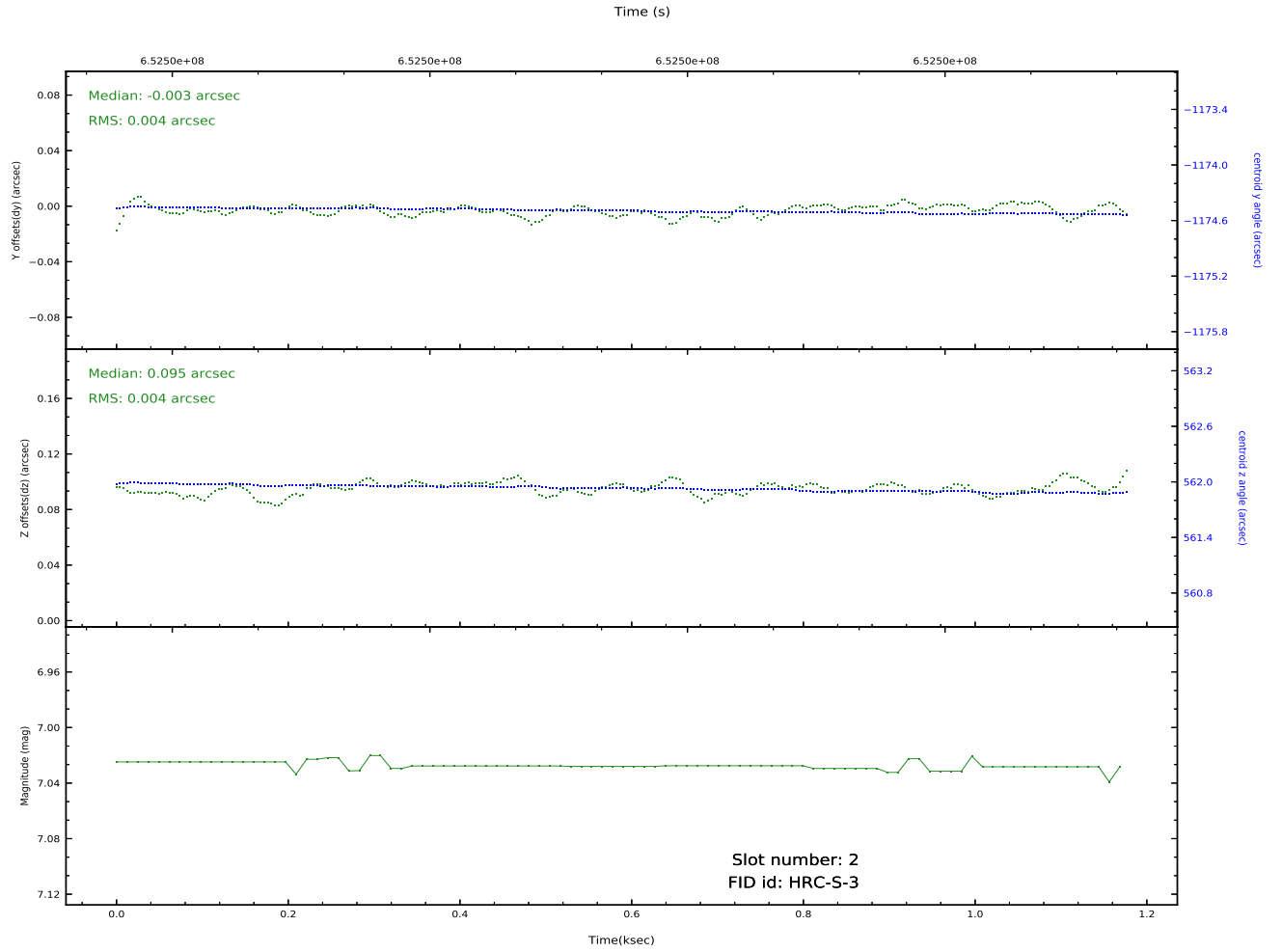
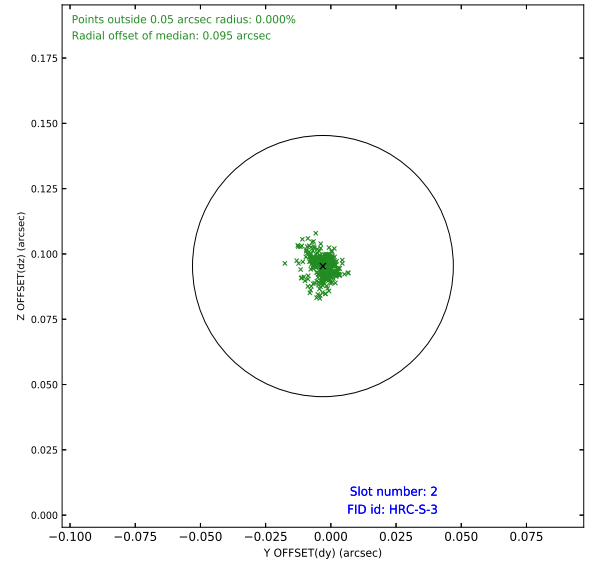
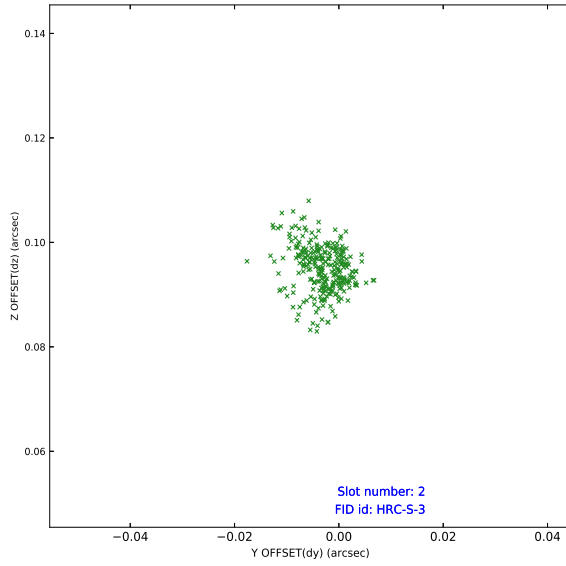
2.5.1 Slot 0



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