

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20701 - L2 Version 2
Chandra X-Ray Center

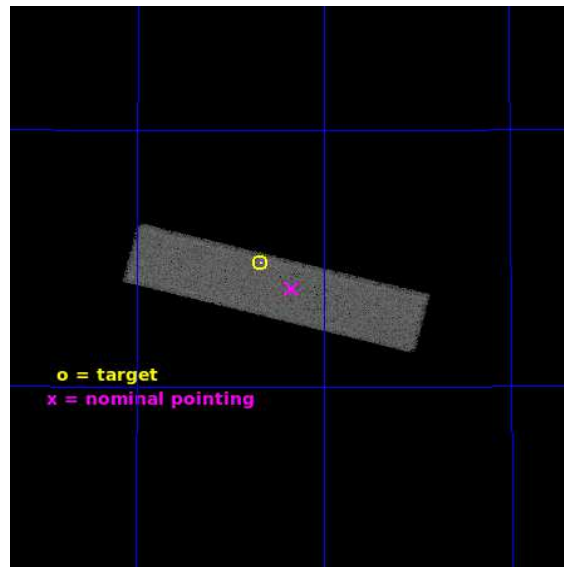
L2 Processing Date : Oct 27 2020

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1 Front

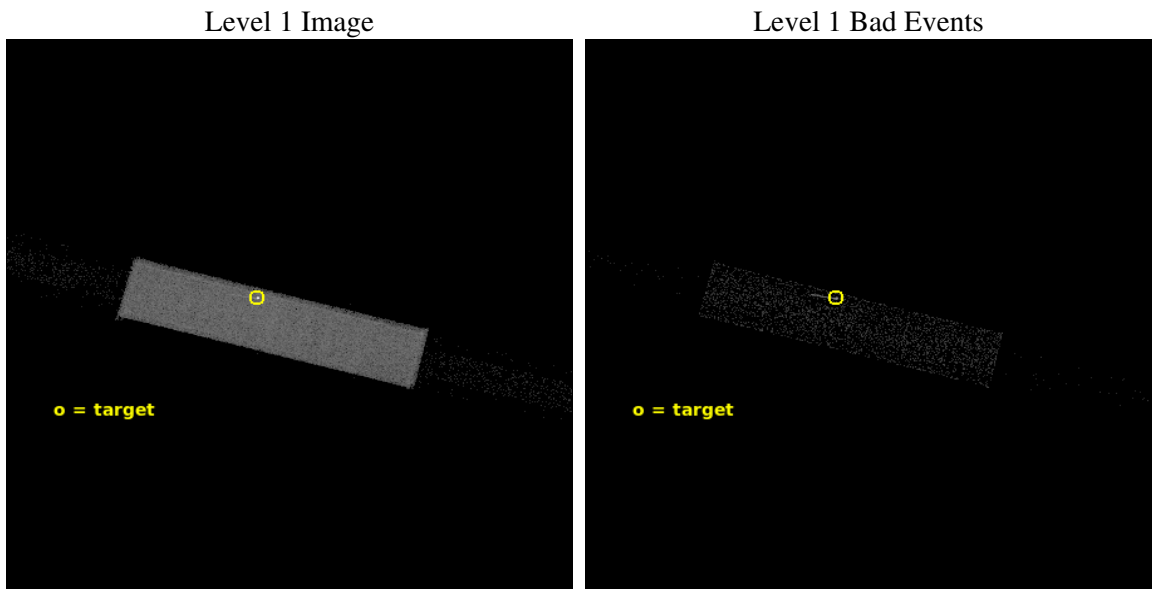
seq_num	291412	Sequence number
obs_id	20701	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.08551260232	Nominal RA [deg]
dec_nom	45.691648036416	Nominal Dec [deg]
roll_nom	194.35036063372	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1173.6250698566	[s]
livetime	1163.1521918534	Ontime multiplied by DTCOR
l2events	81447	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	1173.6250698566	[s]
caldsver	4.9.3	 	l1events	122849	Number of level 1 events
date	2020-10-27T16:49:06	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

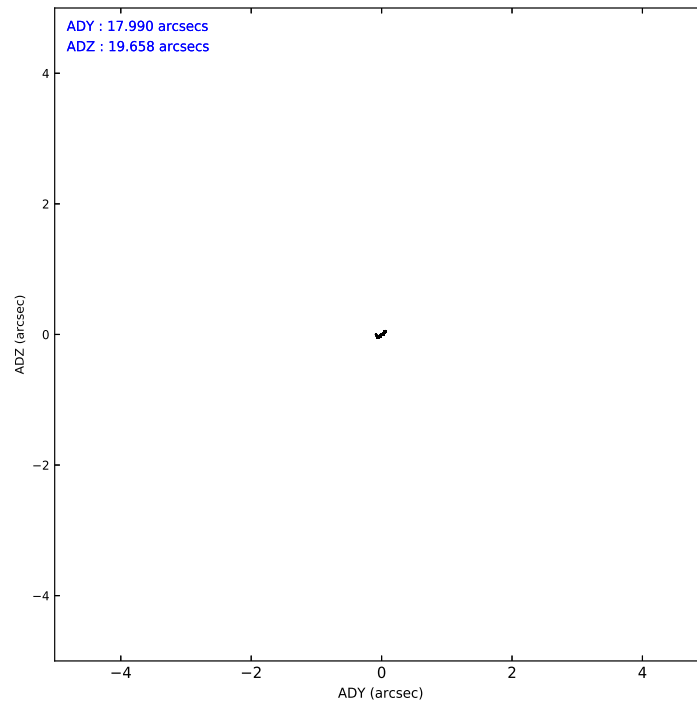
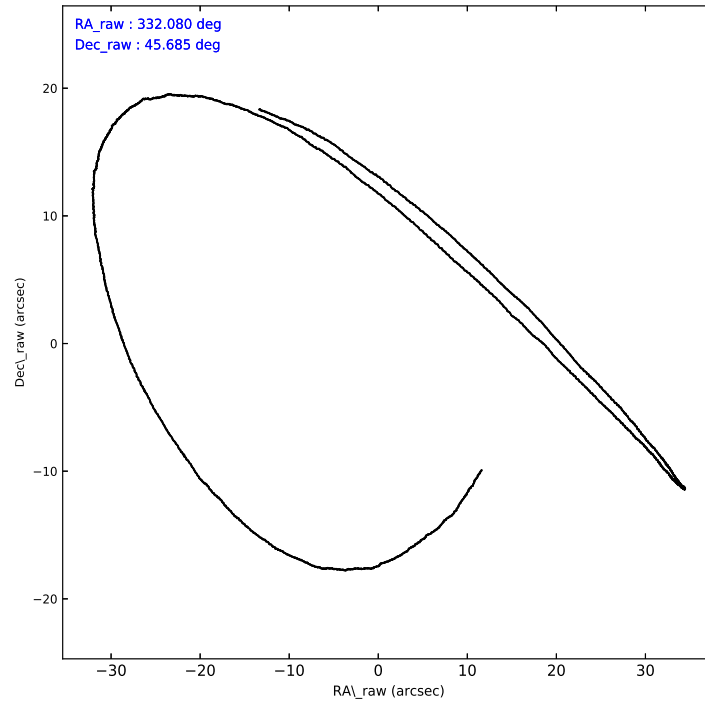
	segment 1	segment 2	segment 3
level 1 events	1030	120815	1004
rejected events	1030	26462	1004
rejected %	100%	21%	100%

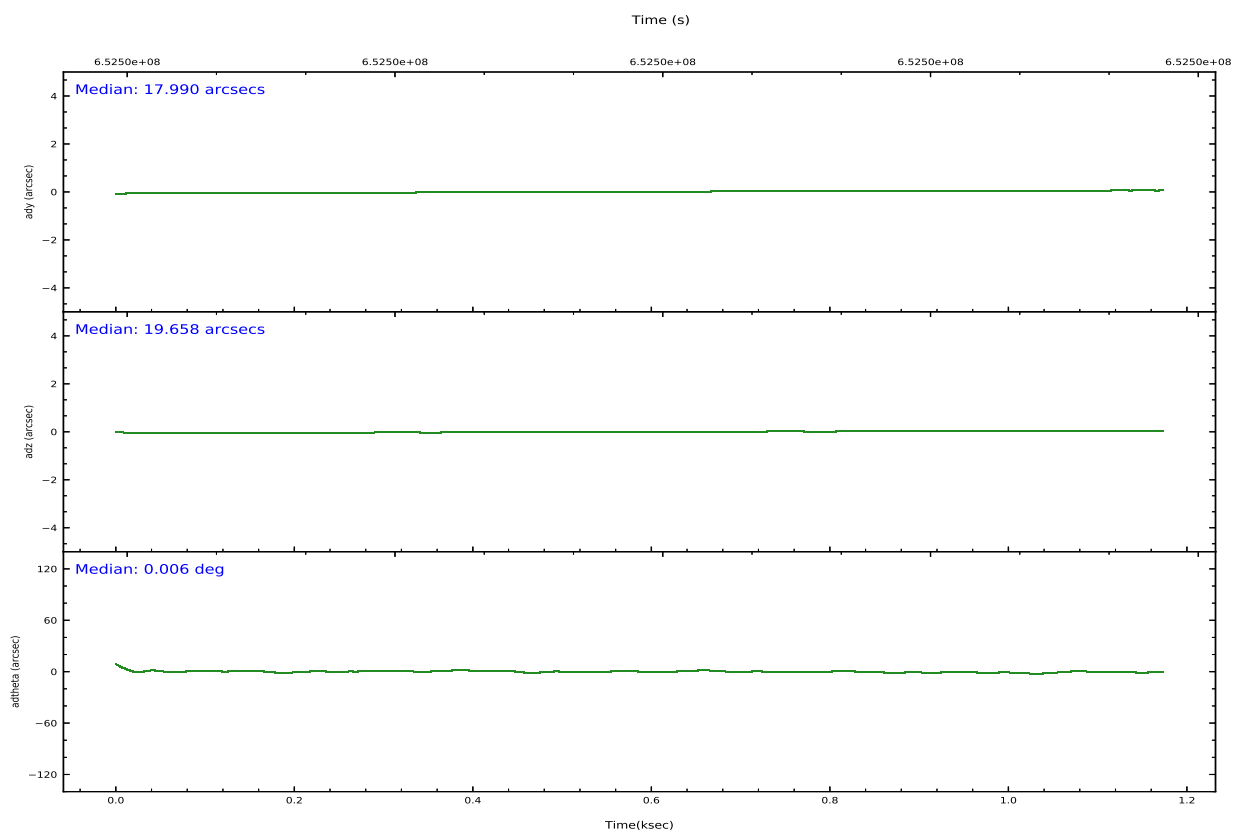
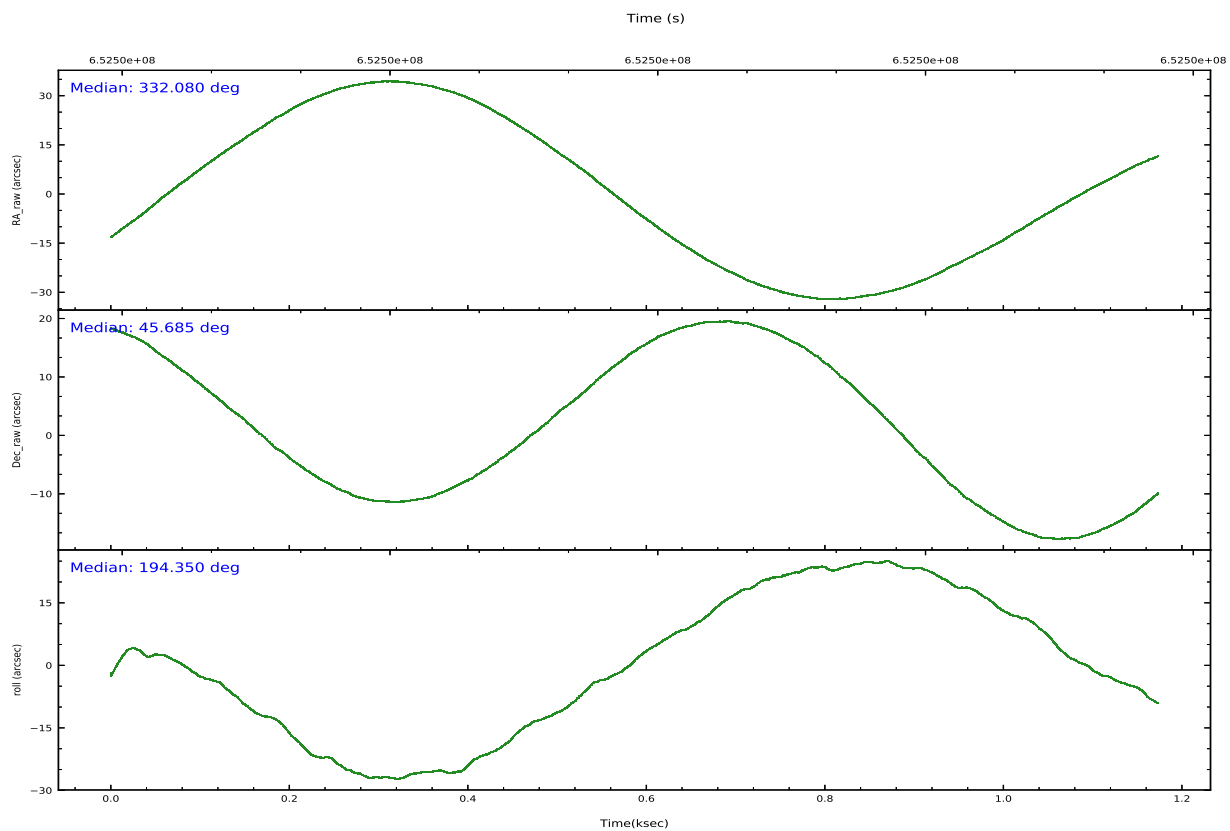
2.2 Compared Parameters

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	332.108134	332.08551260232
[deg] Pointing Dec	45.706759	45.691648036416
[deg] Pointing Roll	194.275533	194.35036063372
[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)	652503561.184000	652503185.17609
Observation start date	2018-09-05T02:58:12	2018-09-05T02:53:05
[s] Observation end time (MET)	652504561.184000	652504695.51368
Observation end date	2018-09-05T03:14:52	2018-09-05T03:18:15

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

2.3 Aspect



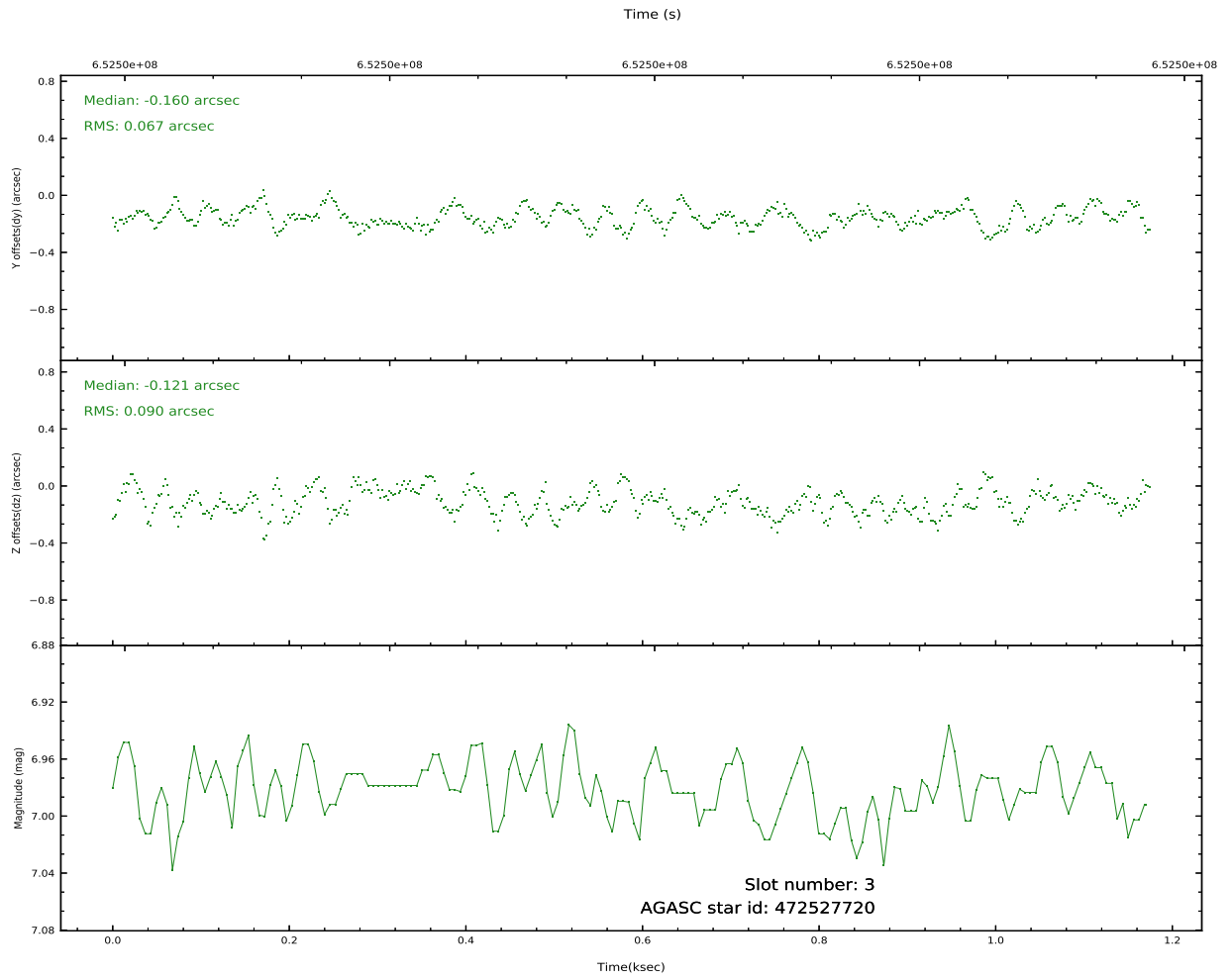
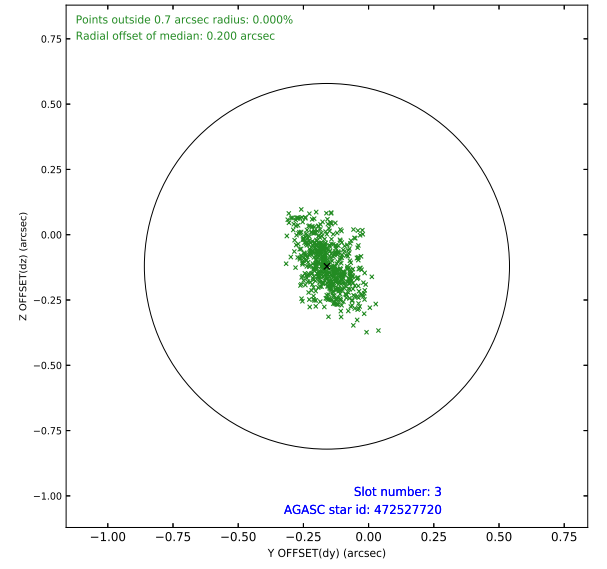
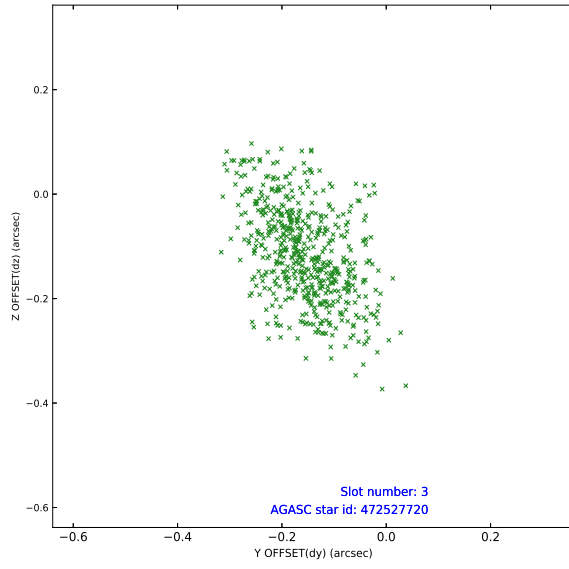


Slot Statistics

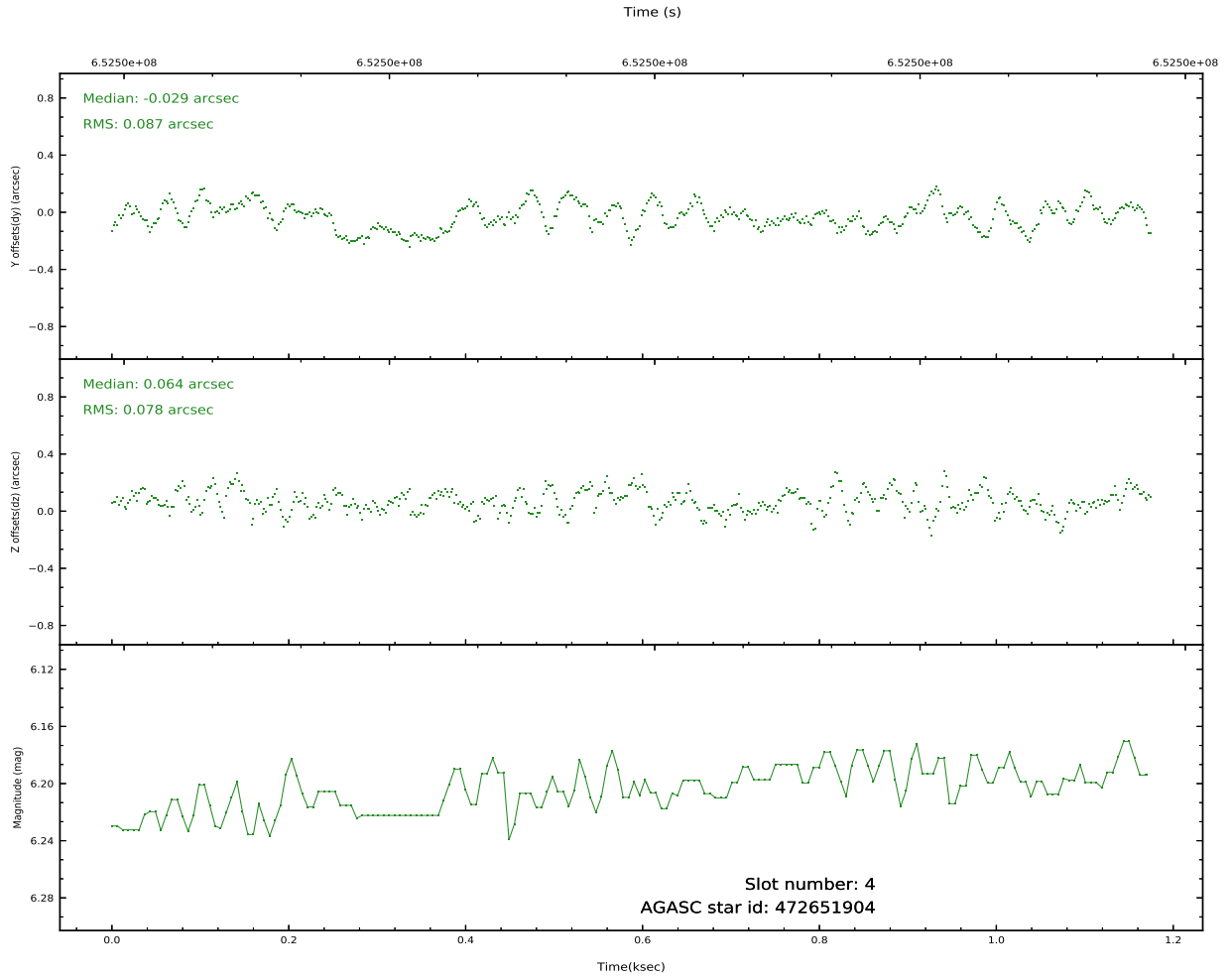
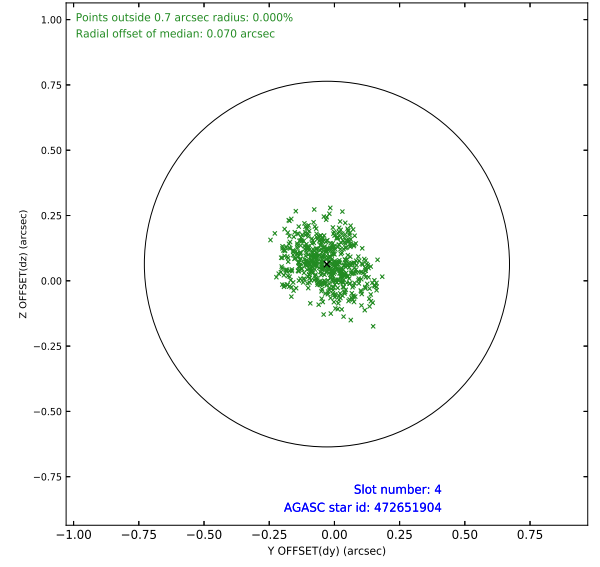
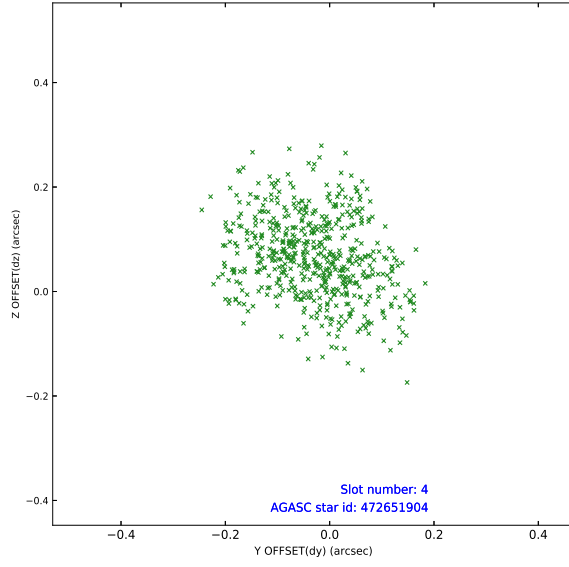
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.02	287	1.000	0.272	-0.243	0.009	0.018	0.000000	0.000000	1227.31	-461
1	FID		HRC-S-3	7.03	287	1.000	-0.020	-0.040	0.006	0.012	0.000000	0.000000	-1170.91	559
2	FID		HRC-S-4	7.01	287	1.000	0.153	-0.014	0.008	0.018	0.000000	0.000000	1221.86	565
3	GUIDE	used	472527720	6.98	574	1.000	-0.160	-0.121	0.122	0.202	331.460205	45.112509	2121.03	1658
4	GUIDE	used	472651904	6.20	574	1.000	-0.029	0.064	0.129	0.195	332.170077	45.742257	-177.57	-86
5	GUIDE	used	472655152	9.39	574	1.000	0.191	0.074	0.208	0.332	332.504239	45.862991	-1101.44	-305
6	GUIDE	used	472535576	7.82	574	1.000	0.032	0.108	0.111	0.190	331.438373	46.291802	1092.34	-2461
7	GUIDE	used	472523760	8.20	573	1.000	-0.029	-0.141	0.097	0.164	331.645363	45.403260	1404.56	760

2.4 Star Slots

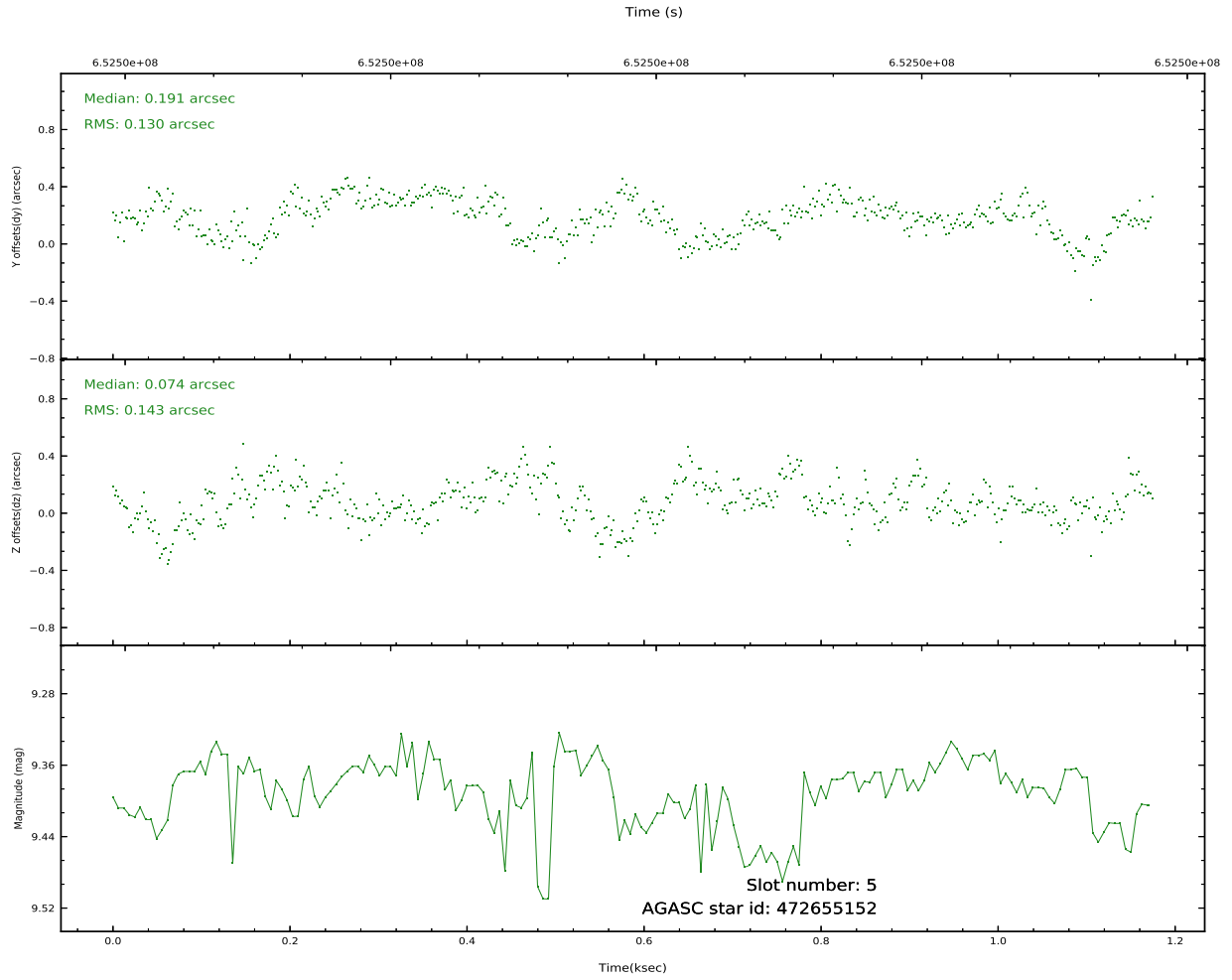
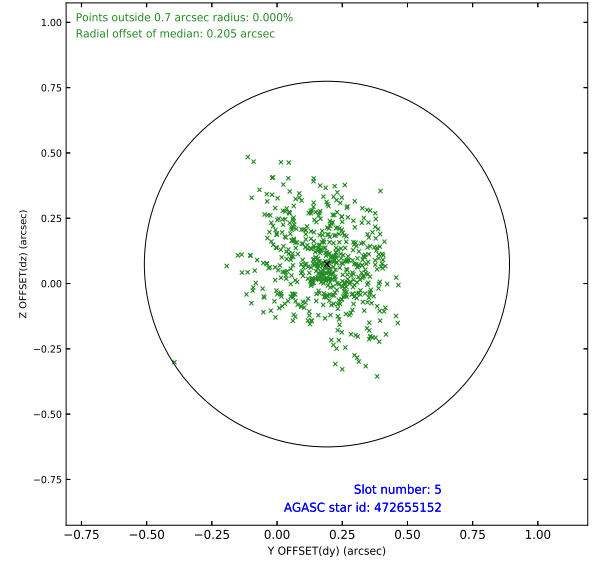
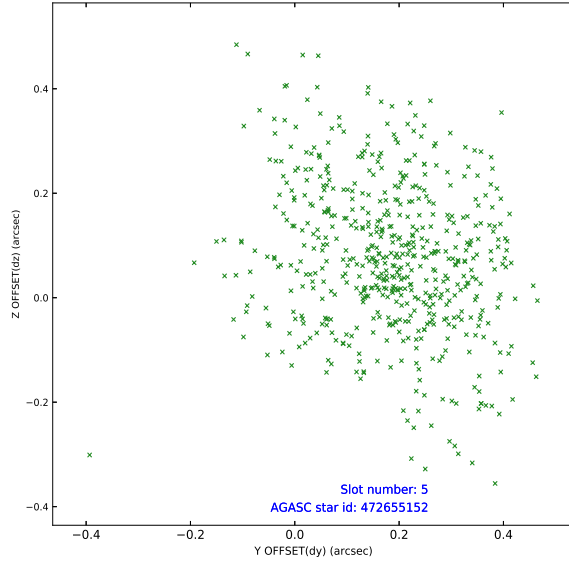
2.4.1 Slot 3



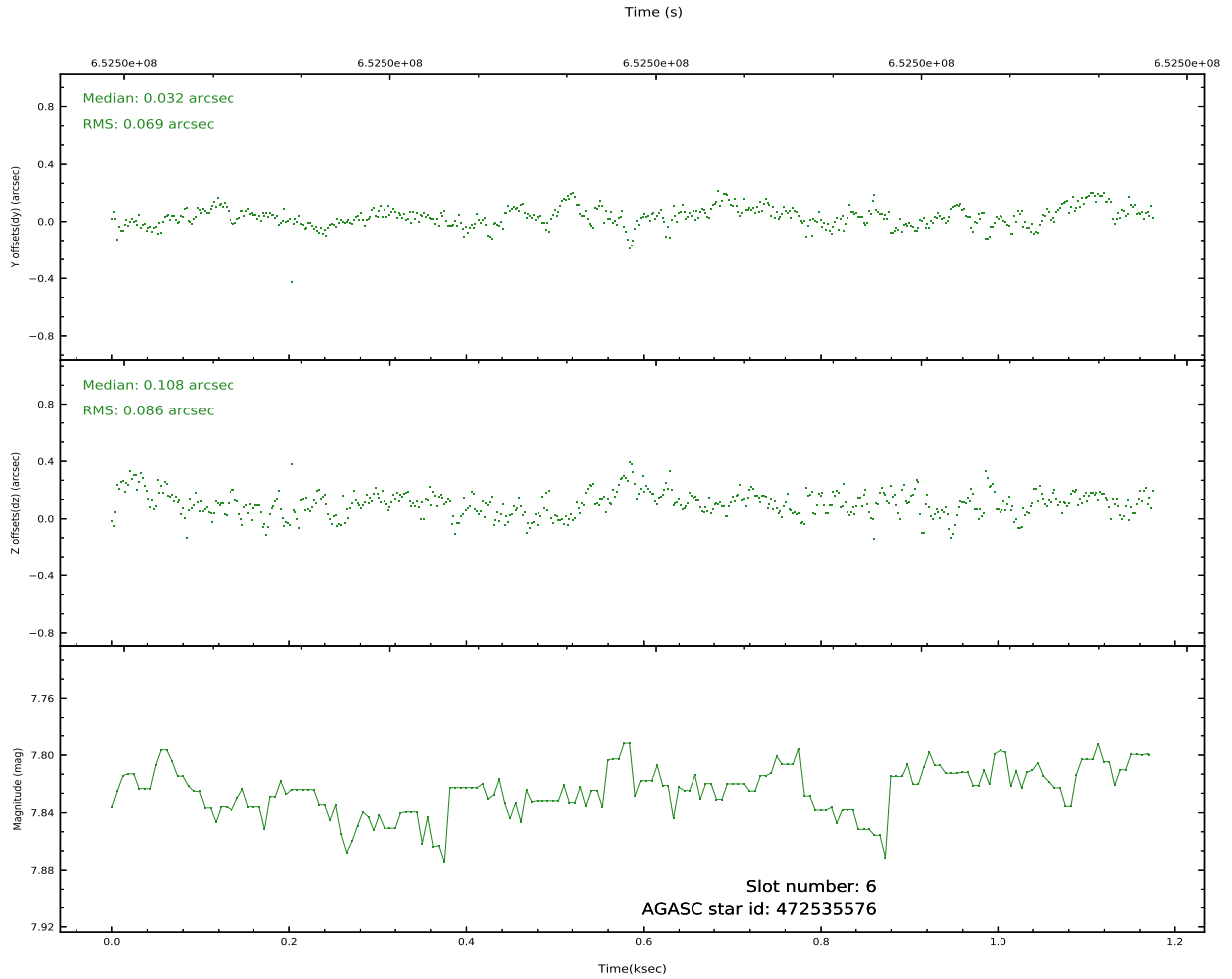
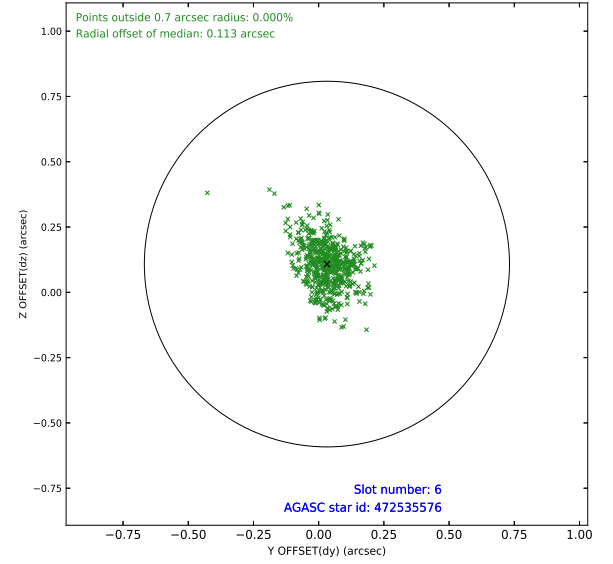
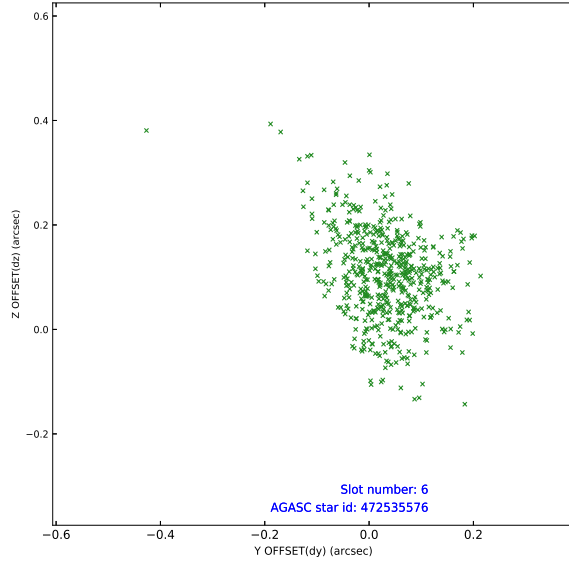
2.4.2 Slot 4



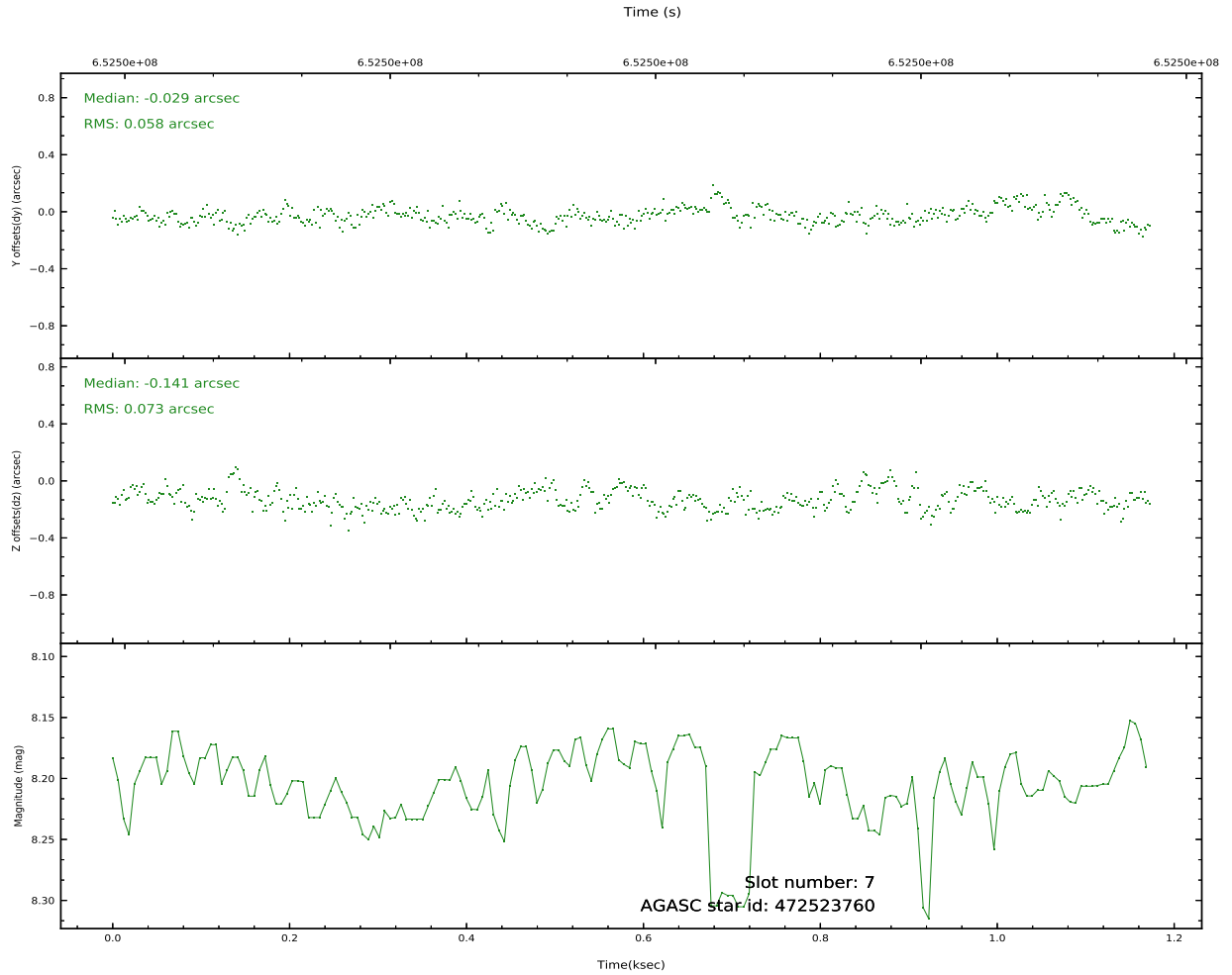
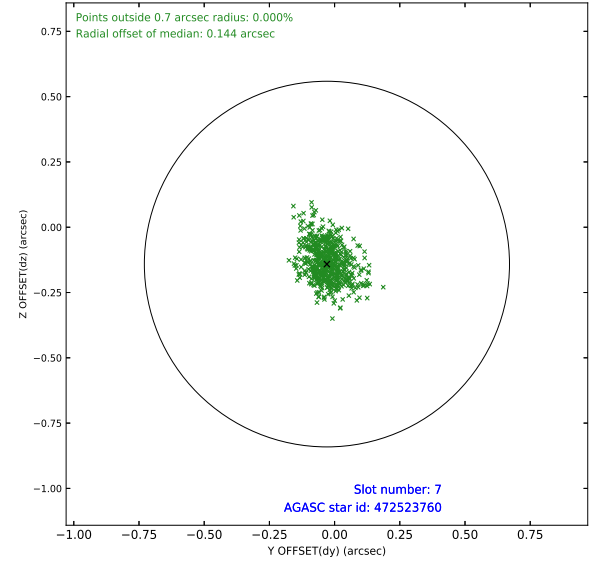
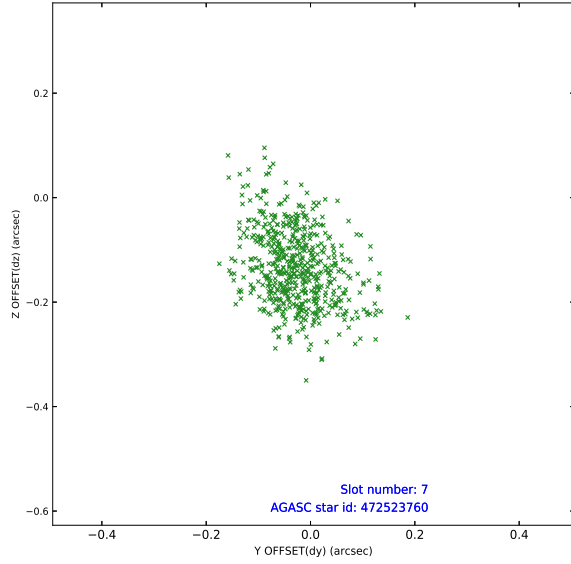
2.4.3 Slot 5



2.4.4 Slot 6

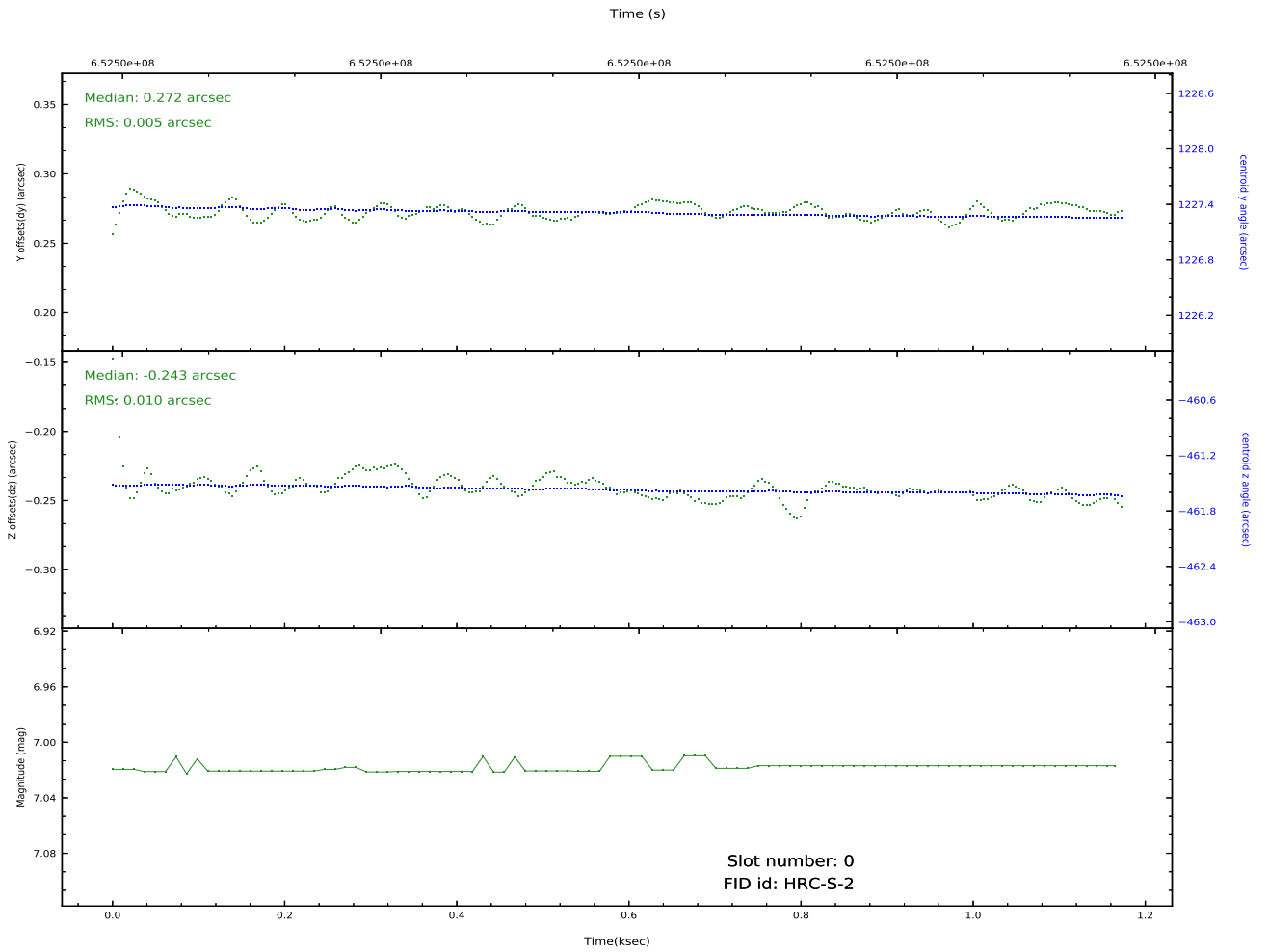
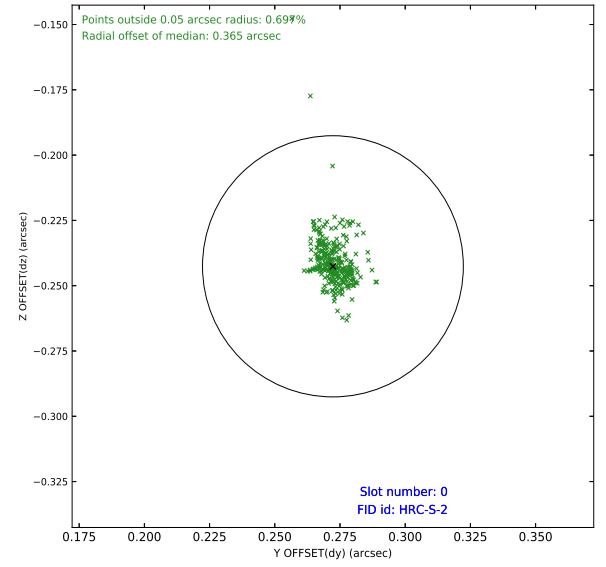
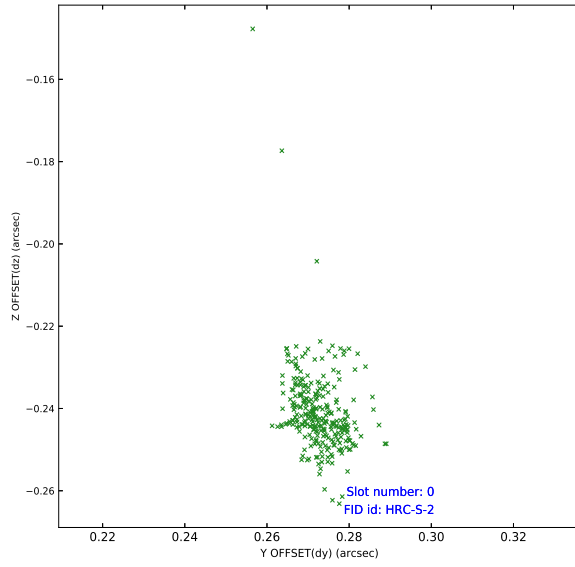


2.4.5 Slot 7

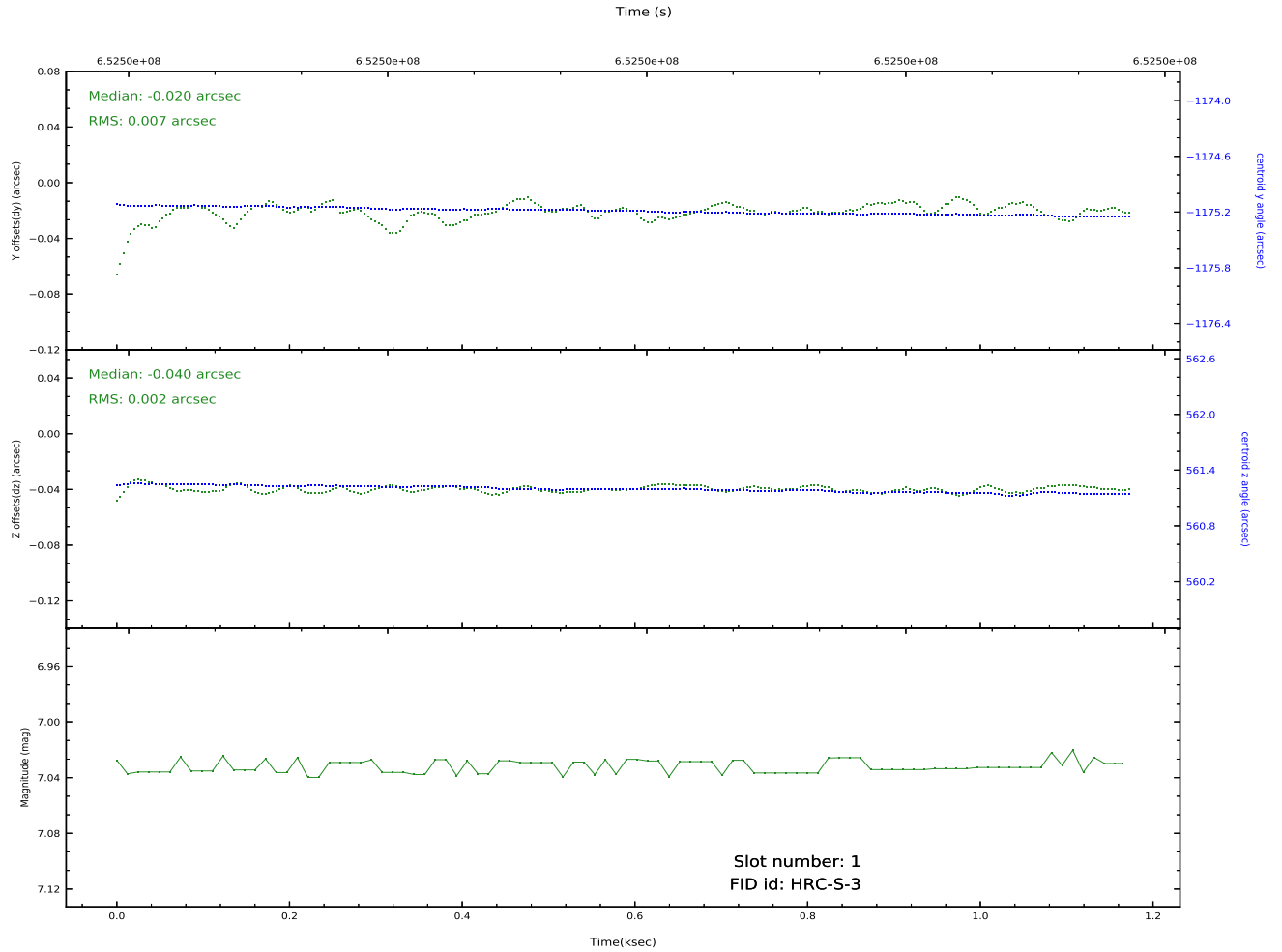
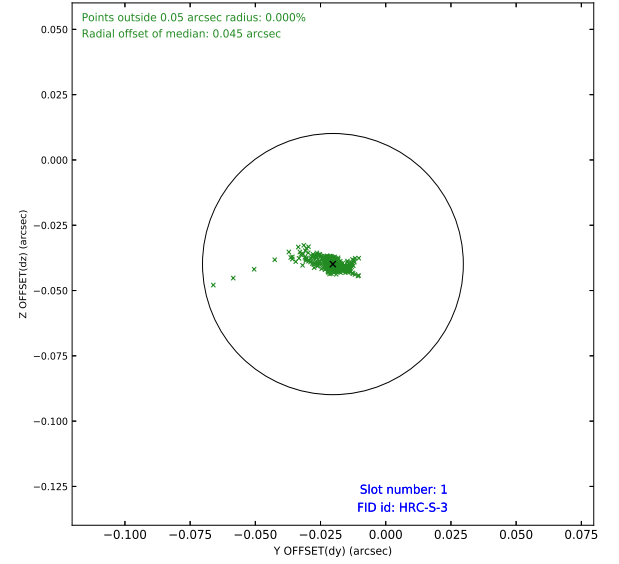
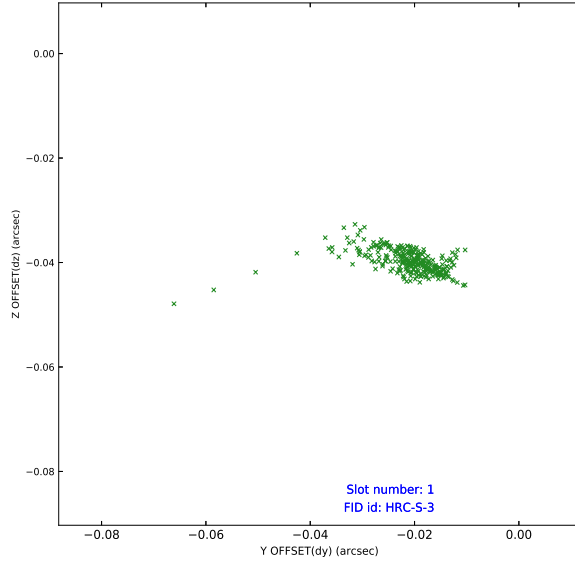


2.5 FID Slots

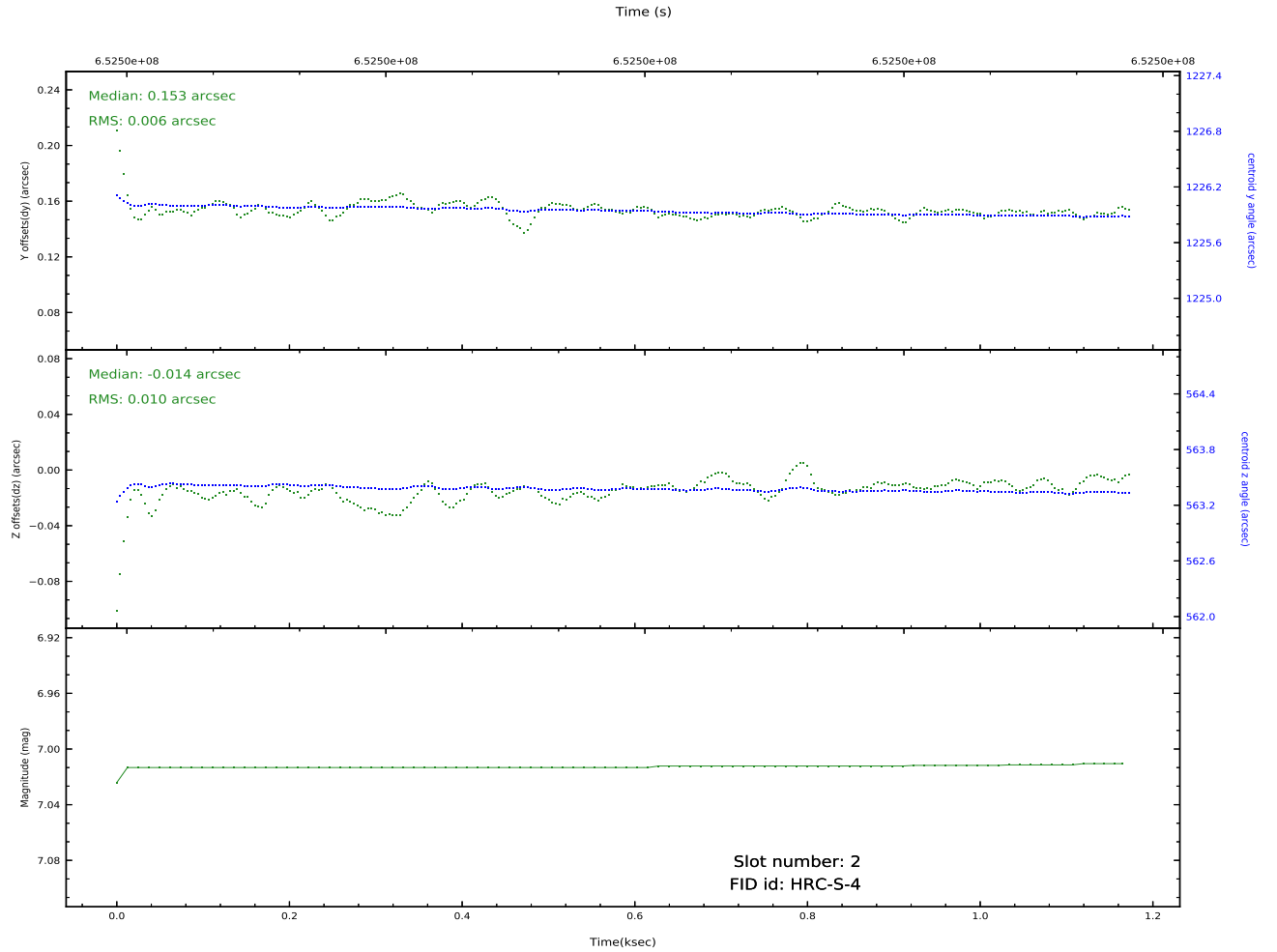
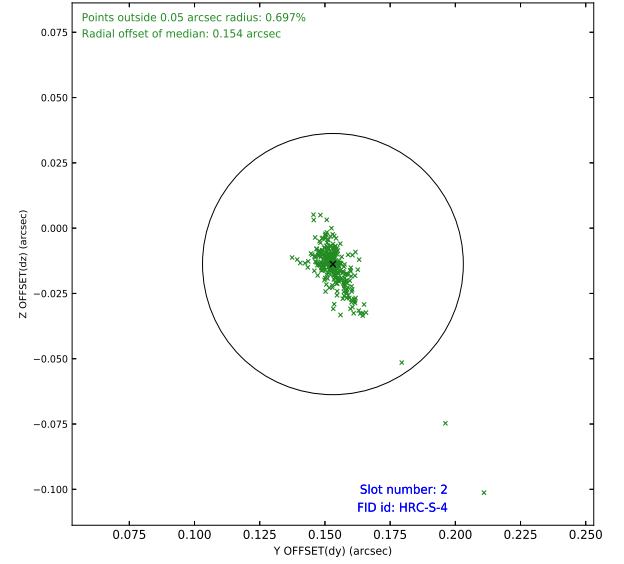
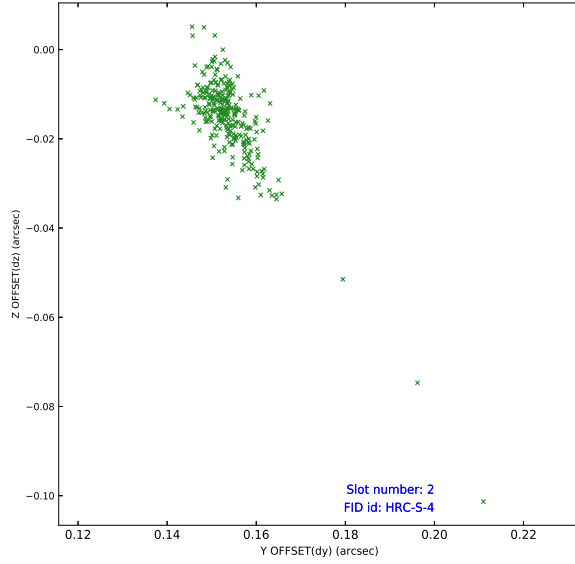
2.5.1 Slot 0



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	1.1738813198805

A.2 Comments