

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20693 - L2 Version 2
Chandra X-Ray Center

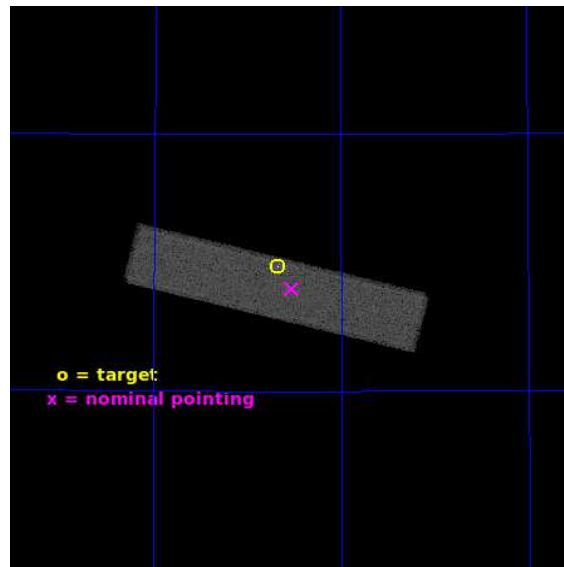
L2 Processing Date : Oct 27 2020

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1 Front

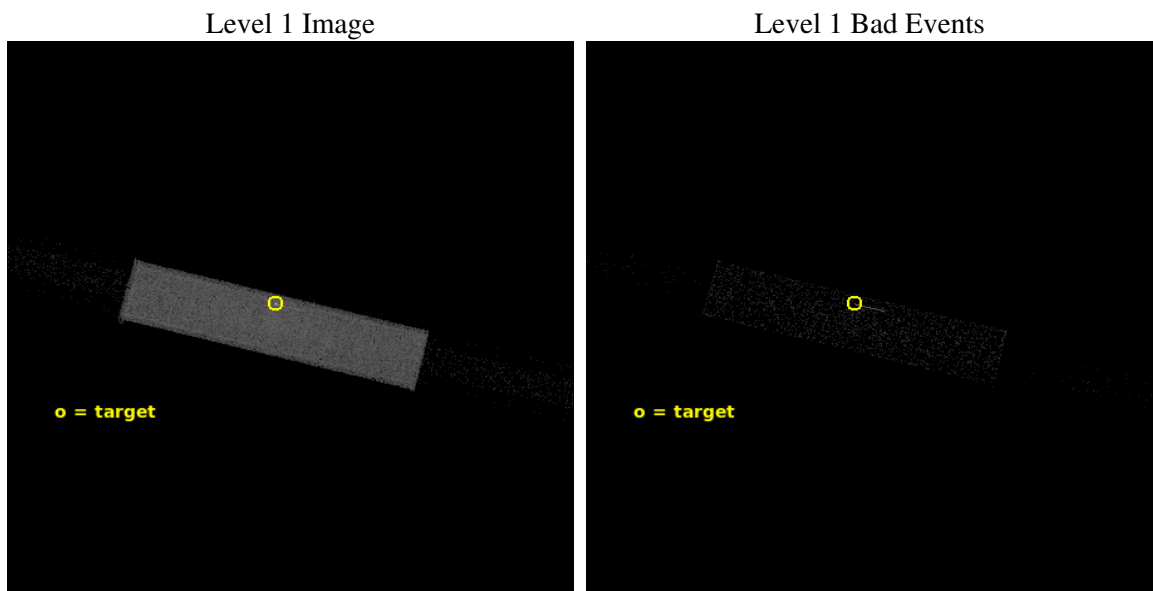
seq_num	291404	Sequence number
obs_id	20693	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13125268738	Nominal RA [deg]
dec_nom	45.699581012706	Nominal Dec [deg]
roll_nom	194.12785384254	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1171.8313196898	[s]
livetime	1161.8243977742	Ontime multiplied by DTCOR
l2events	77120	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	1171.8313196898	[s]
caldbver	4.9.3	 	l1events	116264	Number of level 1 events
date	2020-10-27T16:43:46	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

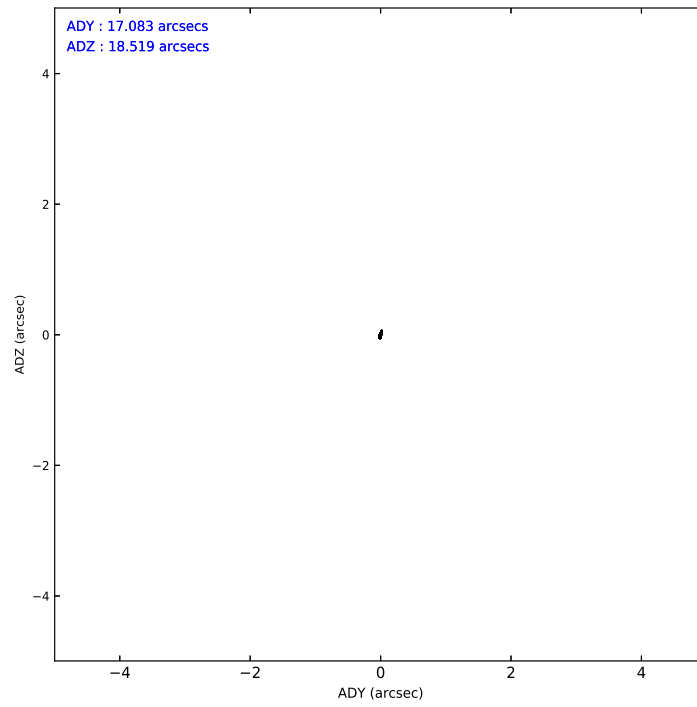
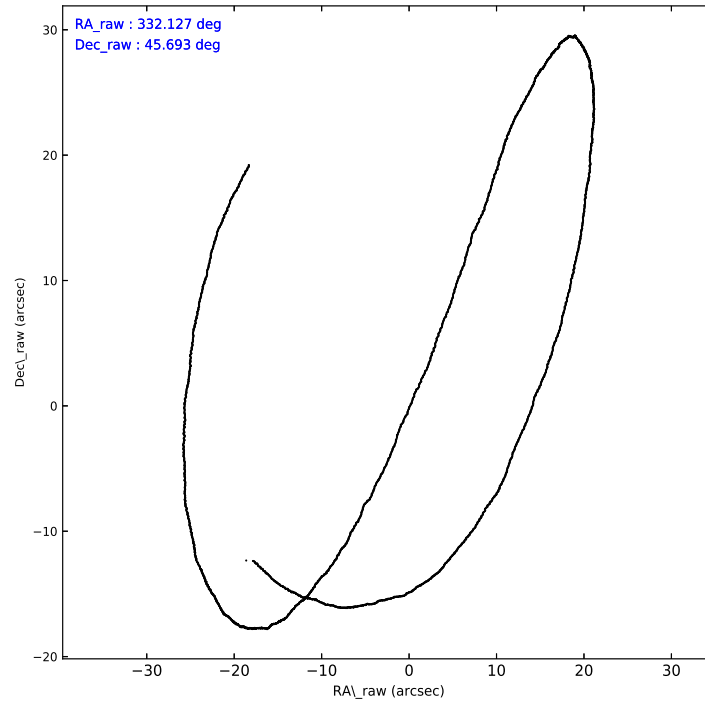
	segment 1	segment 2	segment 3
level 1 events	985	114348	931
rejected events	985	24400	931
rejected %	100%	21%	100%

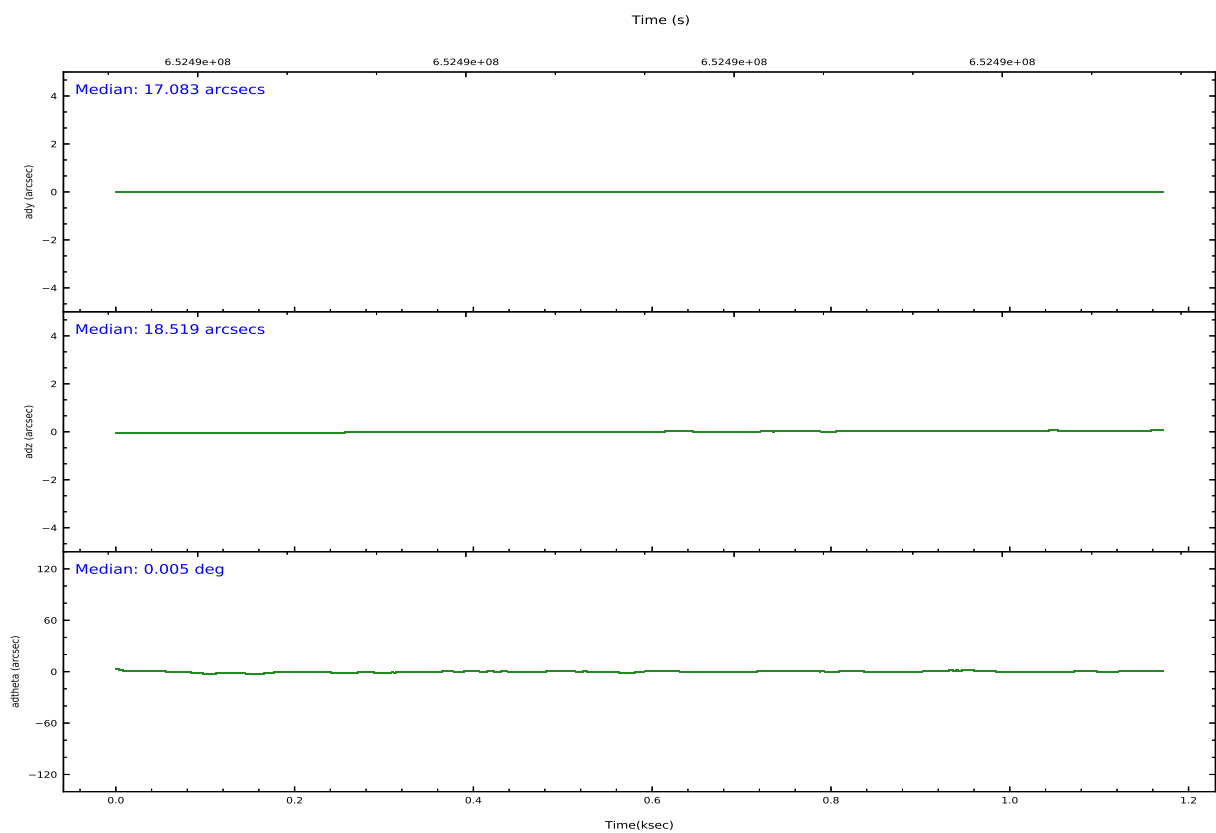
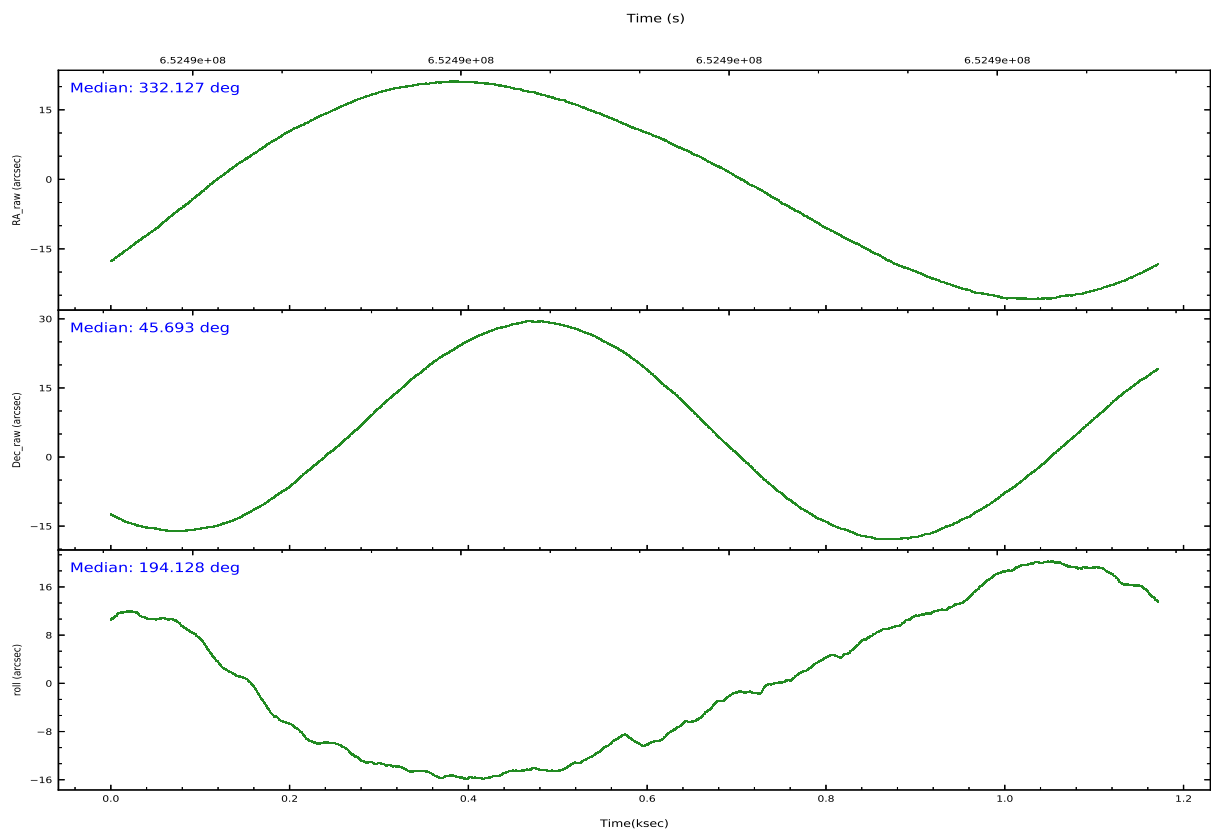
2.2 Compared Parameters

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	332.154516	332.13125268738
[deg] Pointing Dec	45.715138	45.699581012706
[deg] Pointing Roll	194.049762	194.12785384254
[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)	652491481.184000	652491105.03787
Observation start date	2018-09-04T23:36:52	2018-09-04T23:31:45
[s] Observation end time (MET)	652492481.184000	652492614.86296
Observation end date	2018-09-04T23:53:32	2018-09-04T23:56:54

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

2.3 Aspect



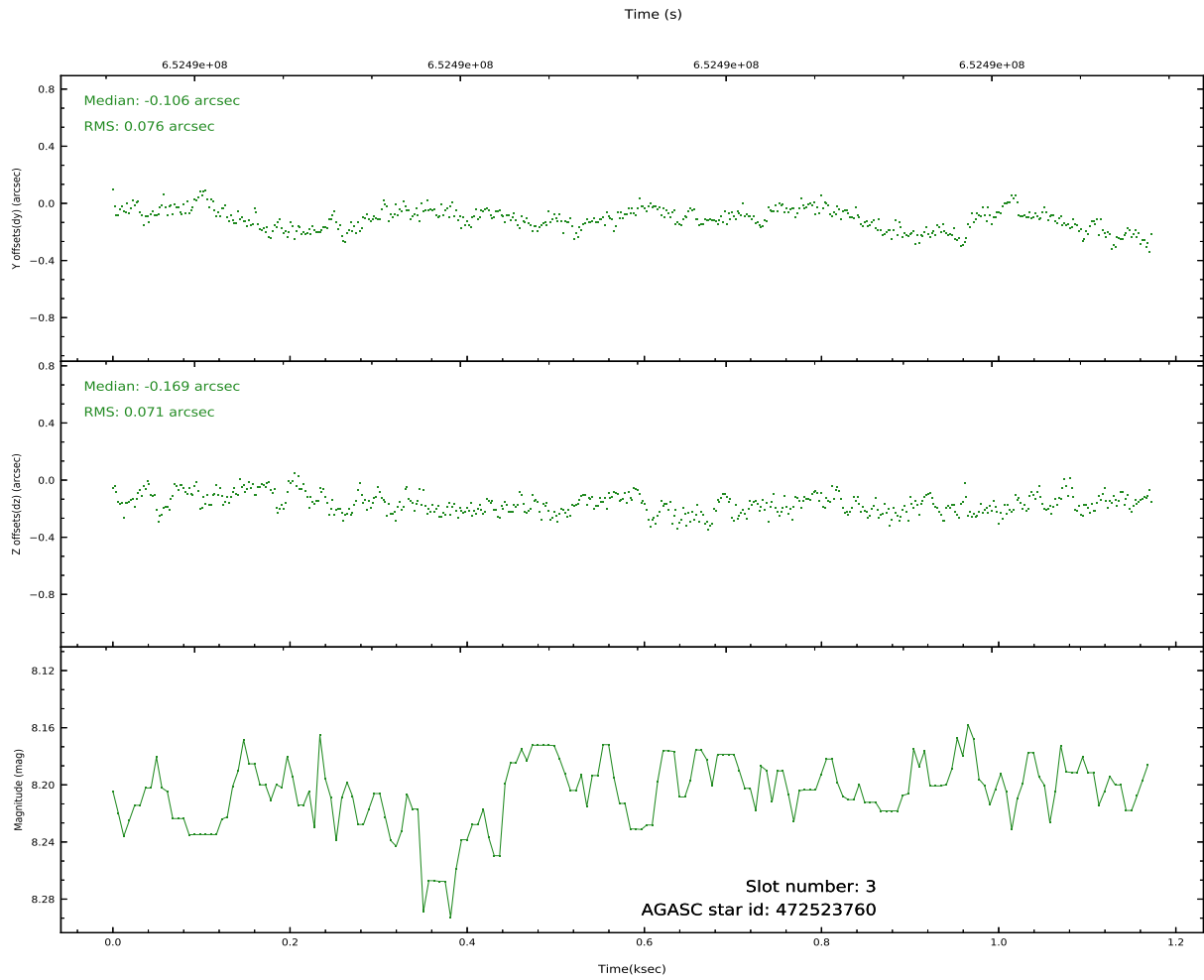
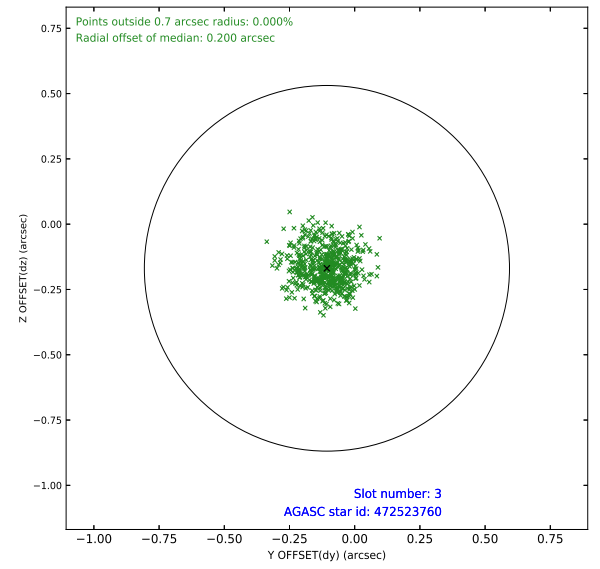
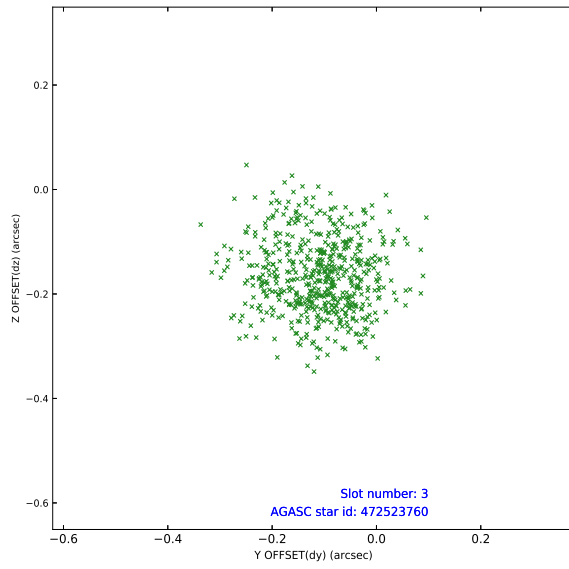


Slot Statistics

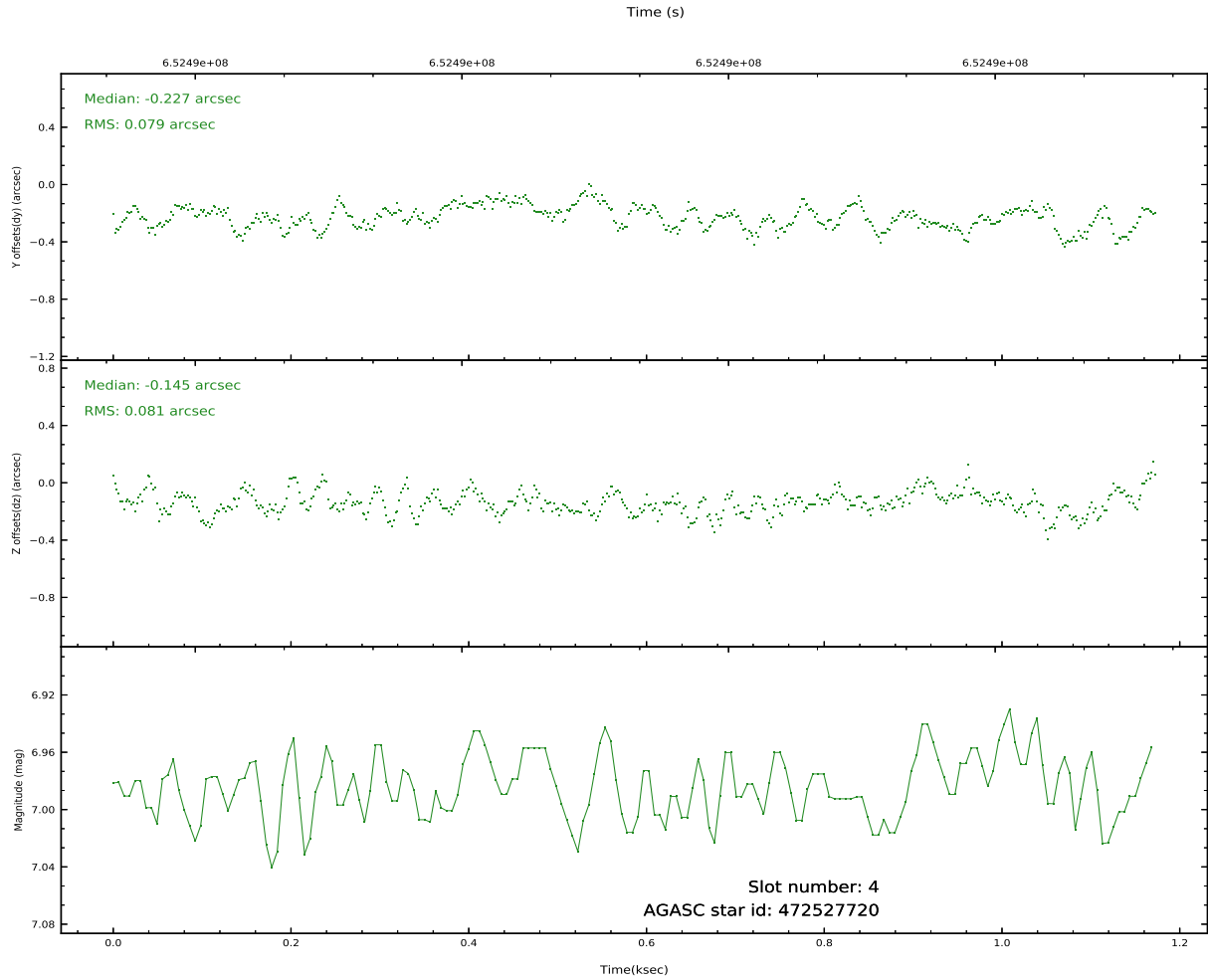
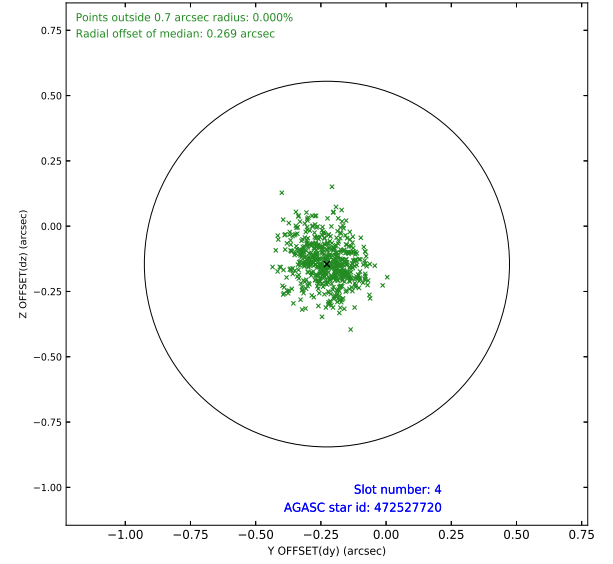
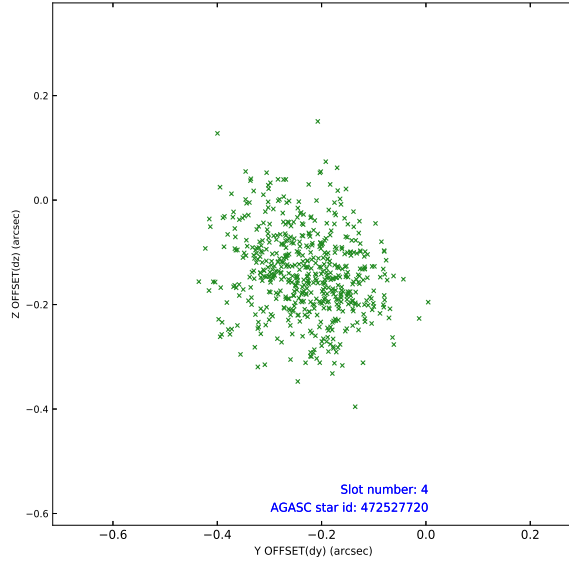
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.01	286	1.000	0.282	-0.193	0.011	0.017	0.000000	0.000000	1228.26	-460
1	FID		HRC-S-3	7.02	287	1.000	-0.041	-0.036	0.007	0.011	0.000000	0.000000	-1170.01	560
2	FID		HRC-S-4	7.00	286	1.000	0.165	-0.067	0.012	0.019	0.000000	0.000000	1222.79	566
3	GUIDE	used	472523760	8.20	573	1.000	-0.106	-0.169	0.113	0.179	331.645363	45.403260	1519.56	770
4	GUIDE	used	472527720	6.99	573	1.000	-0.227	-0.145	0.122	0.196	331.460205	45.112509	2237.61	1667
5	GUIDE	used	472655152	9.39	571	1.000	0.067	0.103	0.224	0.335	332.504239	45.862991	-976.79	-304
6	GUIDE	used	472665256	8.94	572	1.000	0.267	0.139	0.132	0.221	332.808125	46.195041	-2002.94	-1290
7	GUIDE	used	472535576	7.82	572	1.000	0.004	0.069	0.152	0.252	331.438373	46.291802	1218.46	-2459

2.4 Star Slots

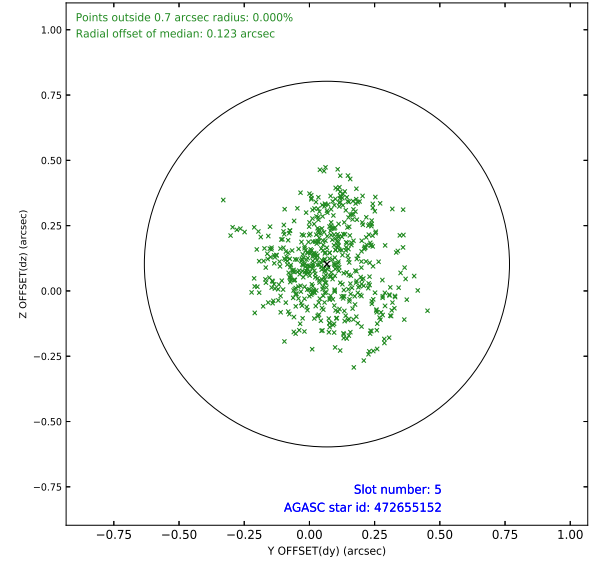
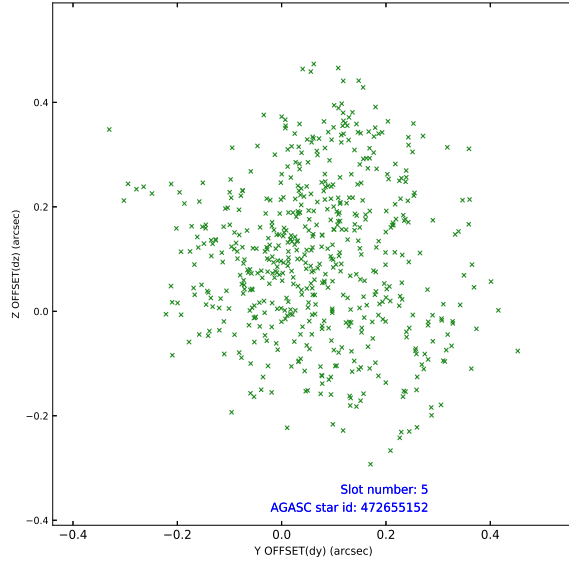
2.4.1 Slot 3



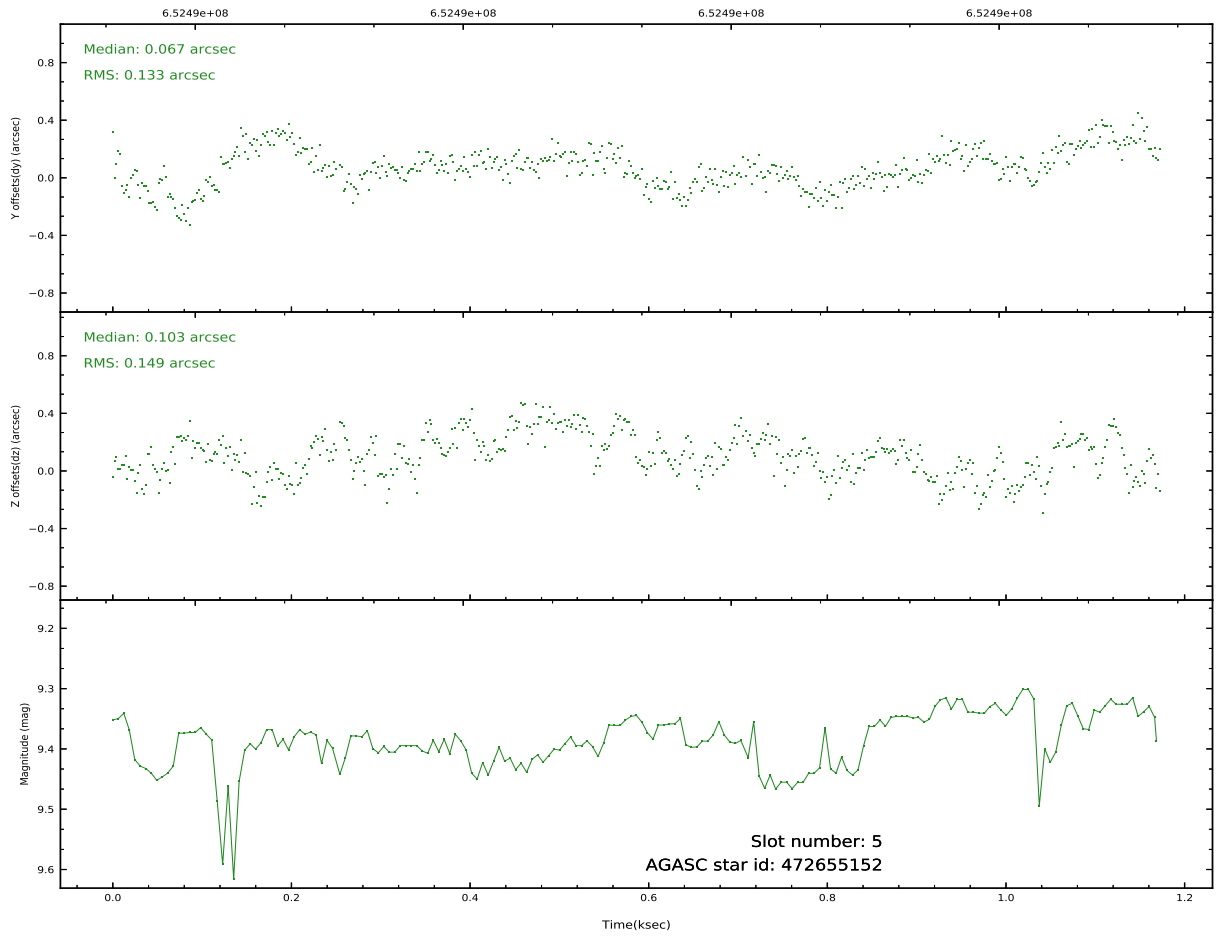
2.4.2 Slot 4



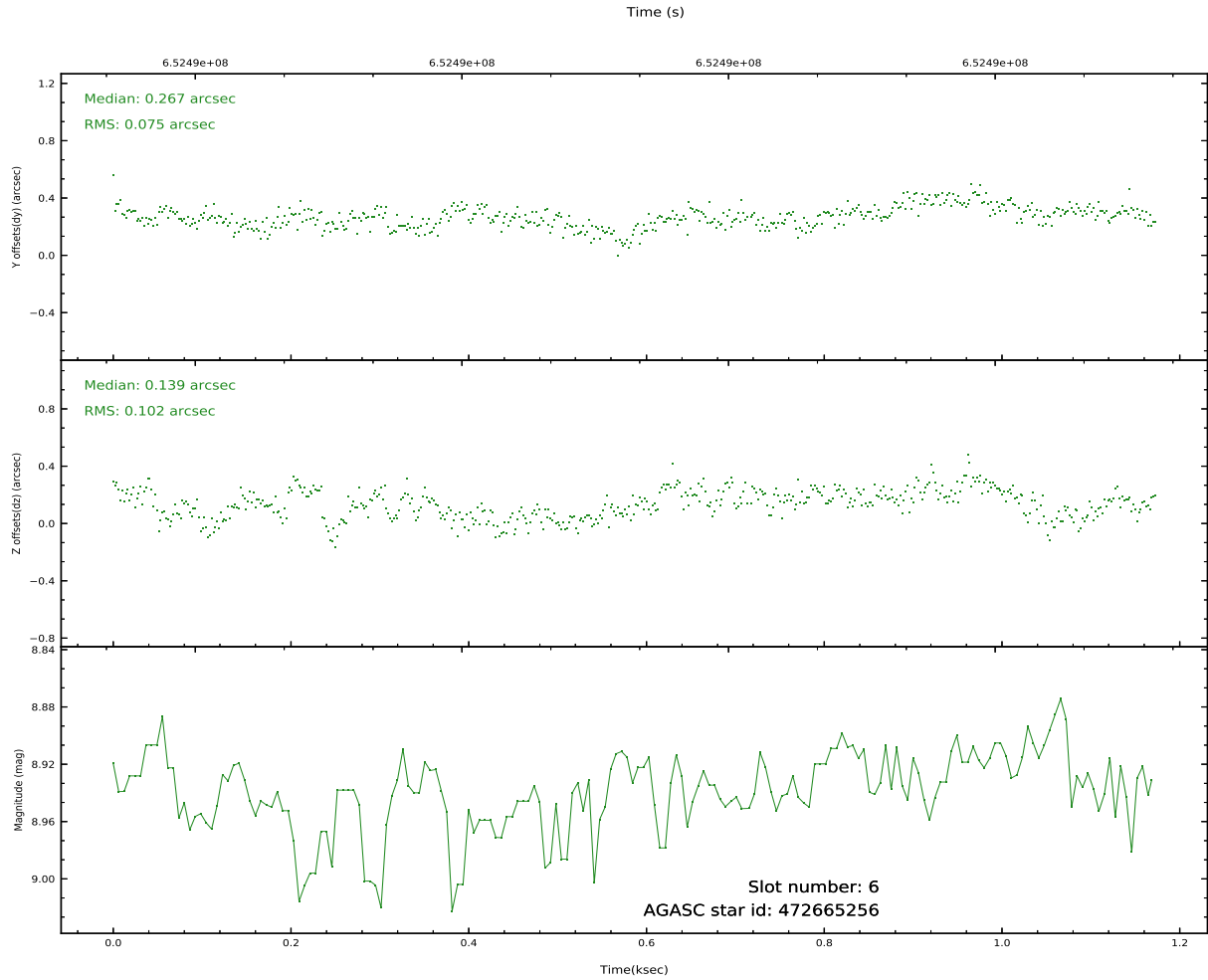
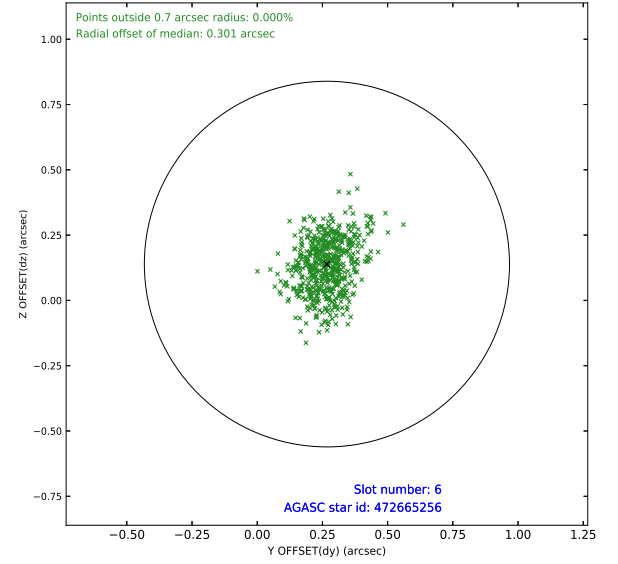
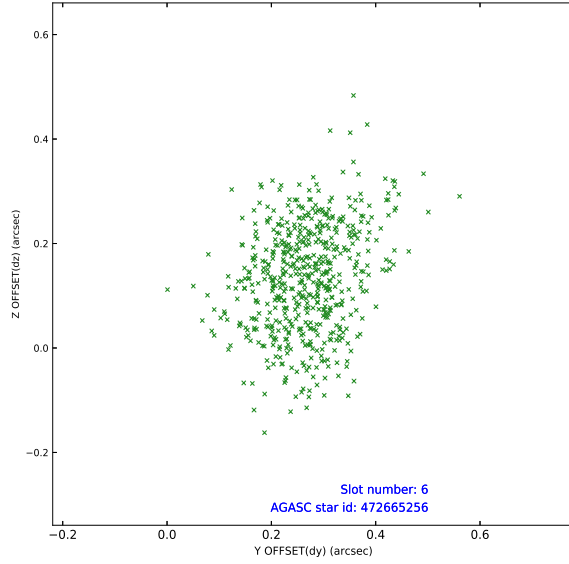
2.4.3 Slot 5



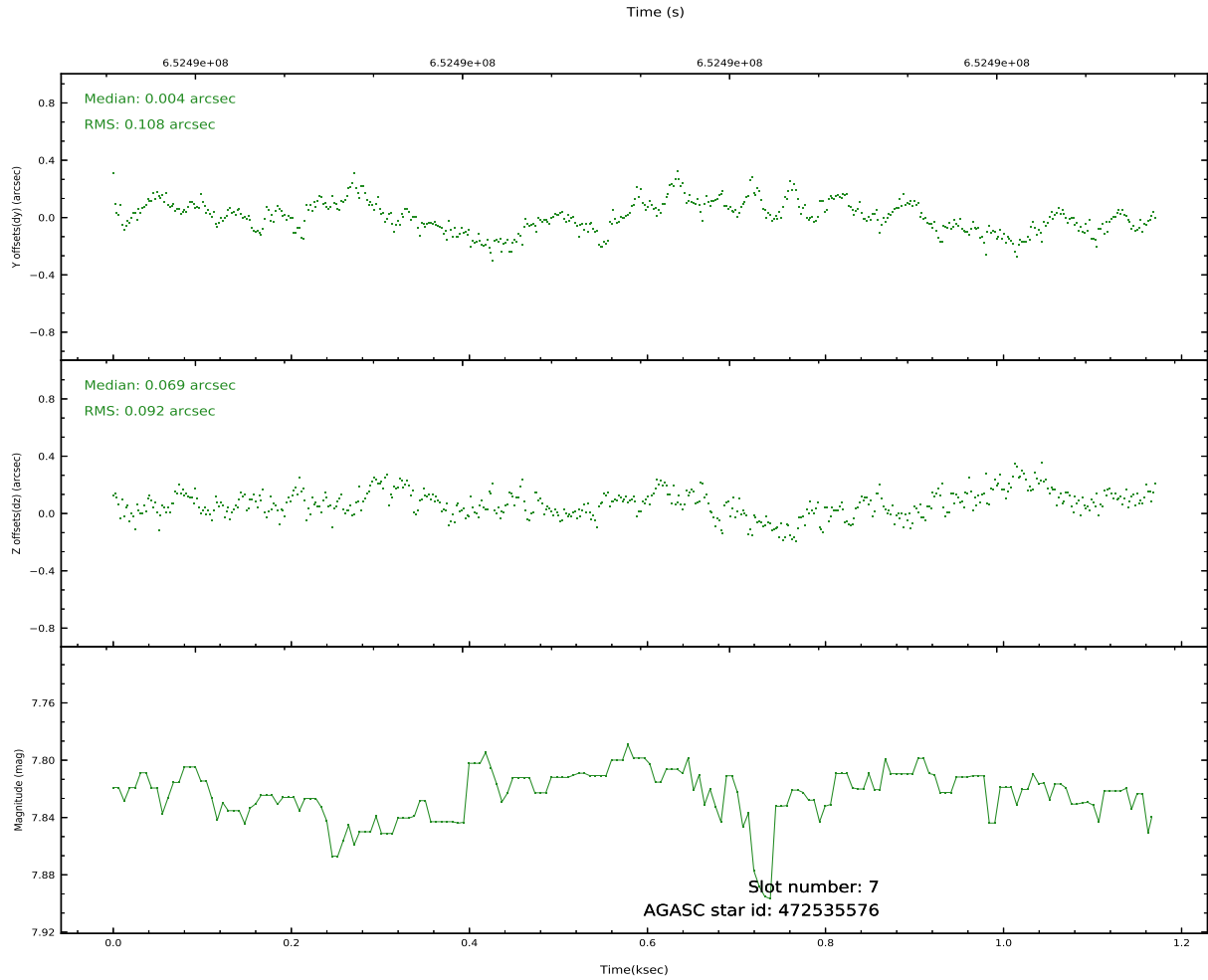
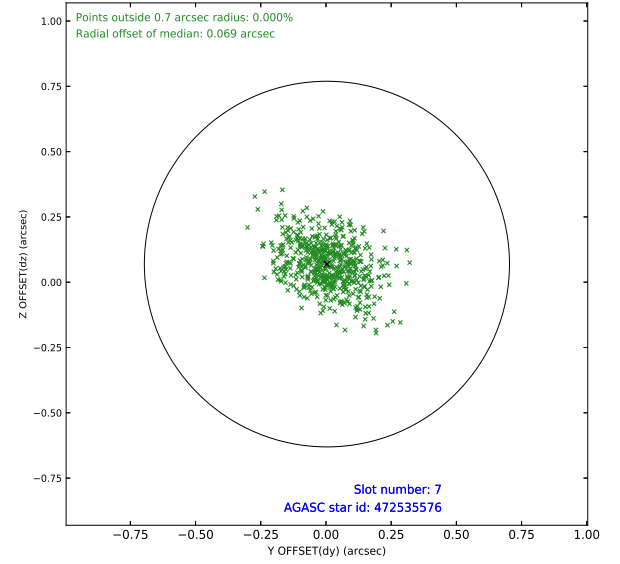
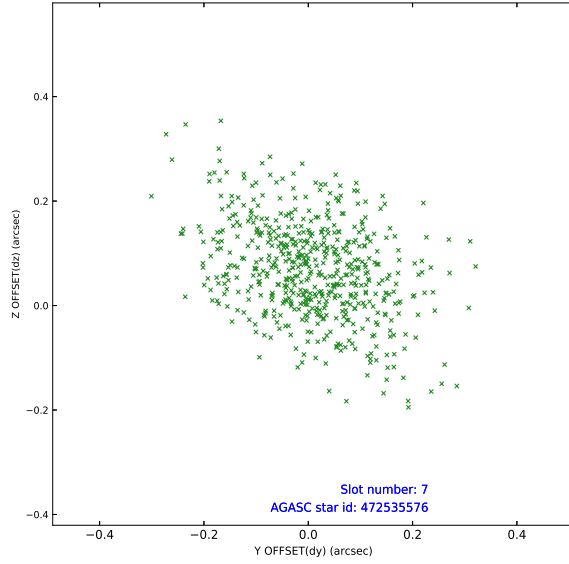
Time (s)



2.4.4 Slot 6

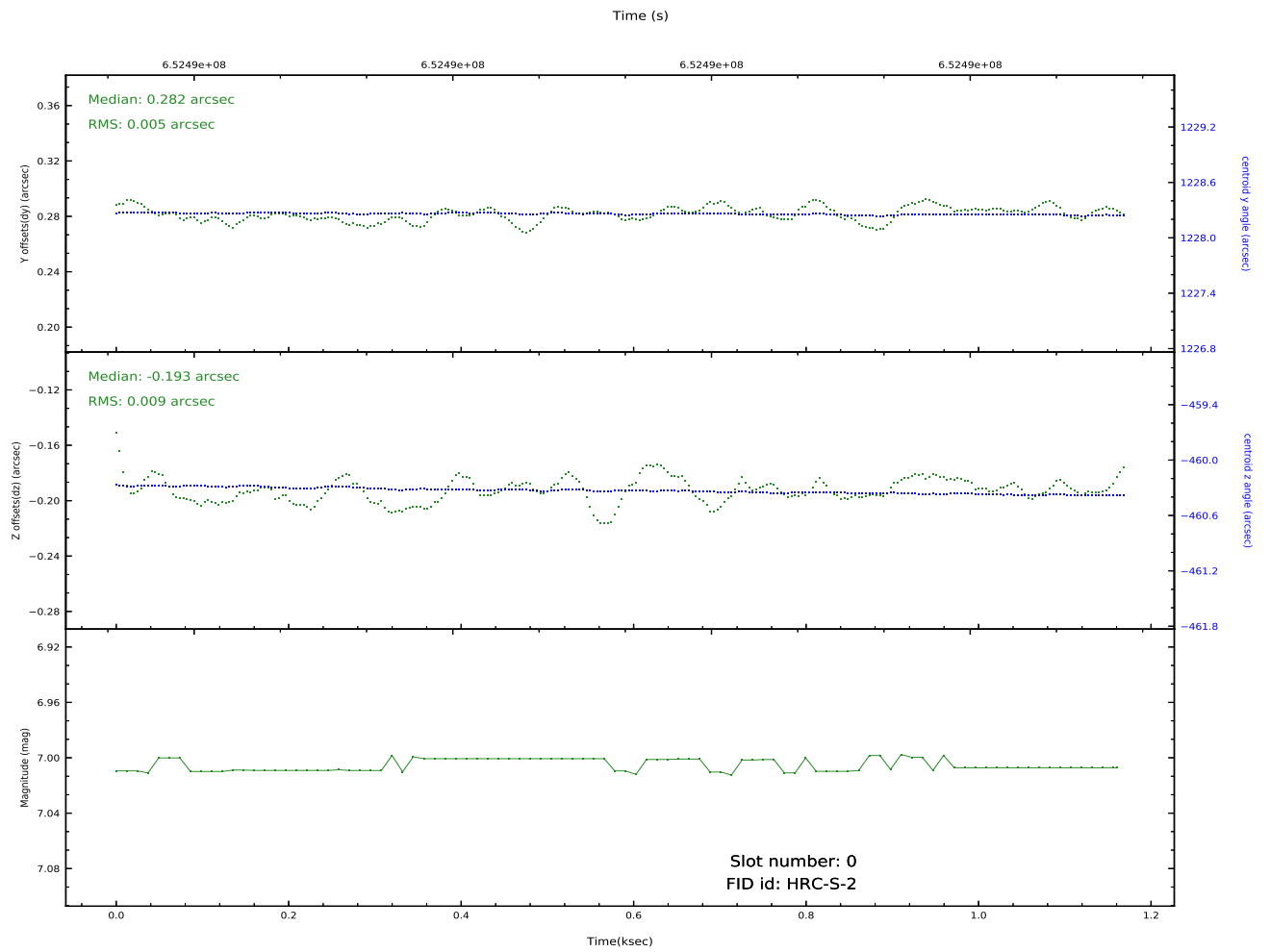
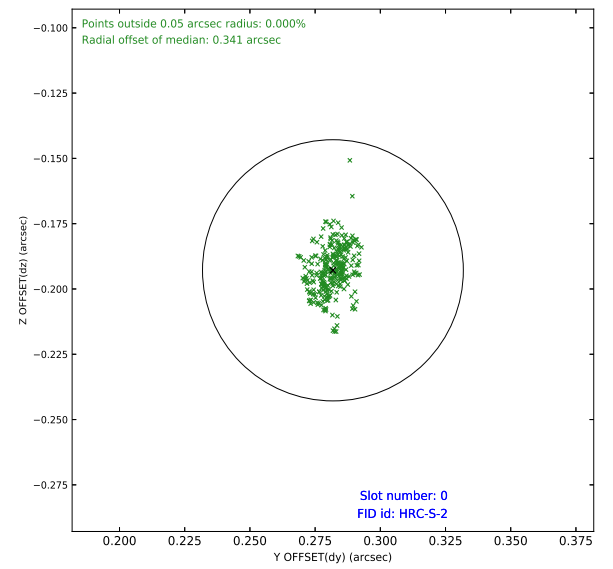
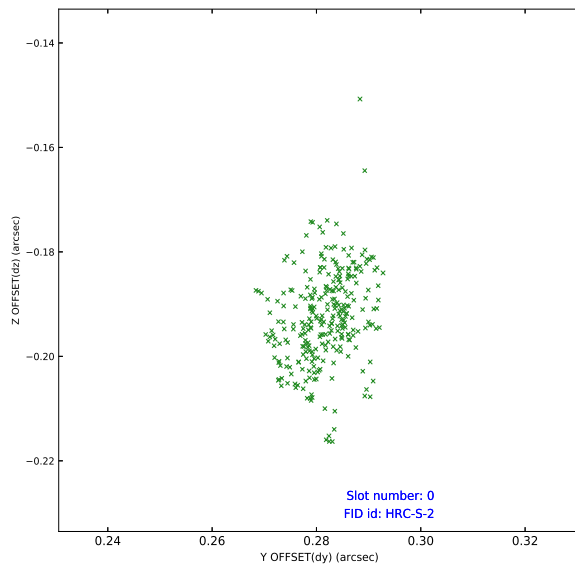


2.4.5 Slot 7

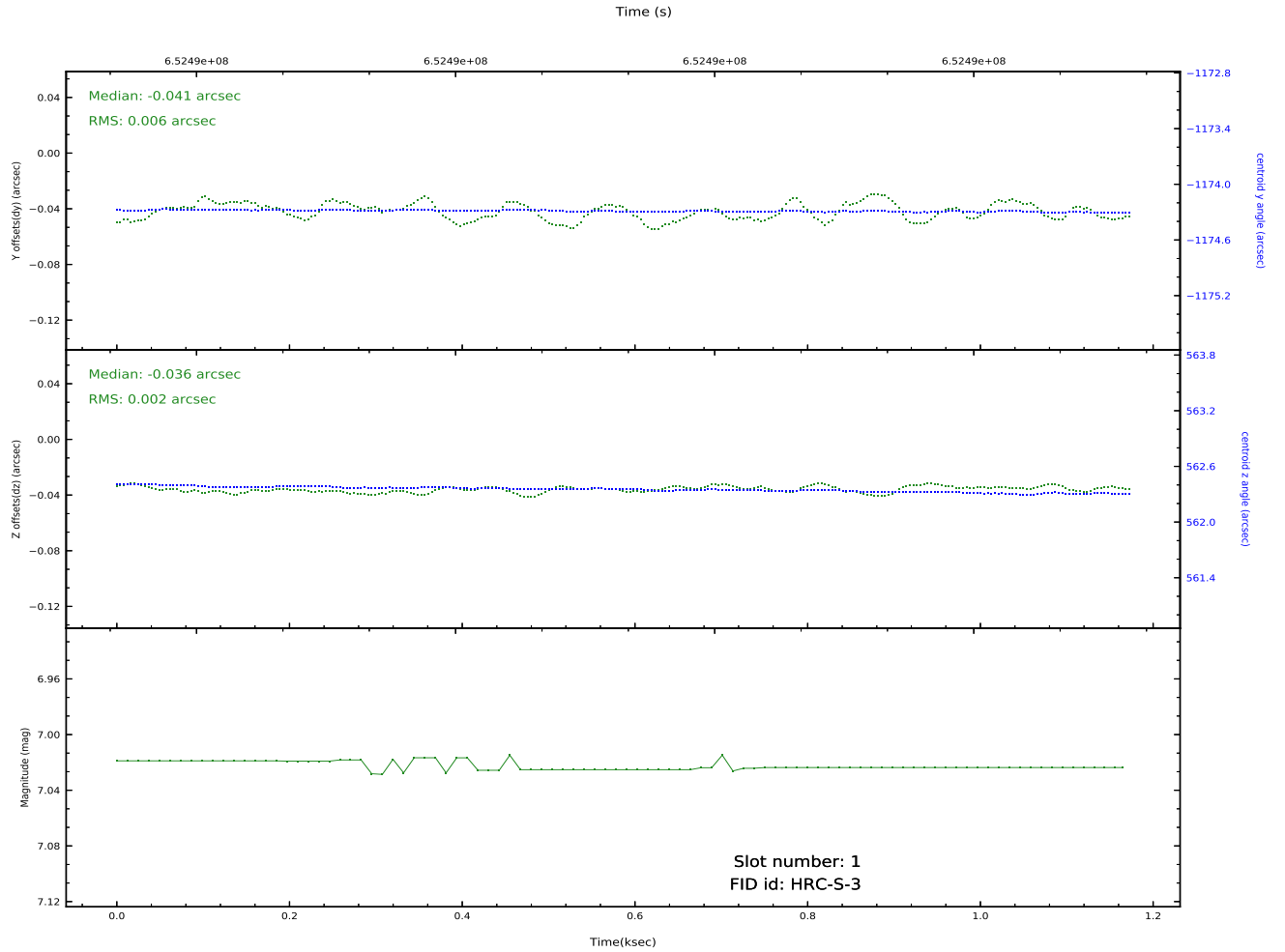
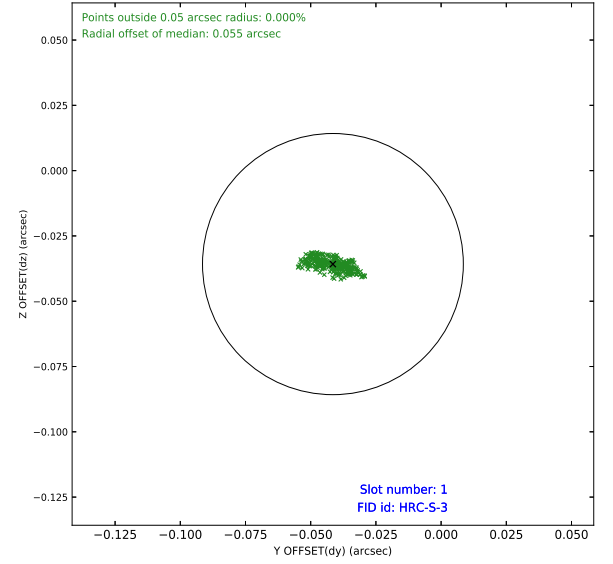
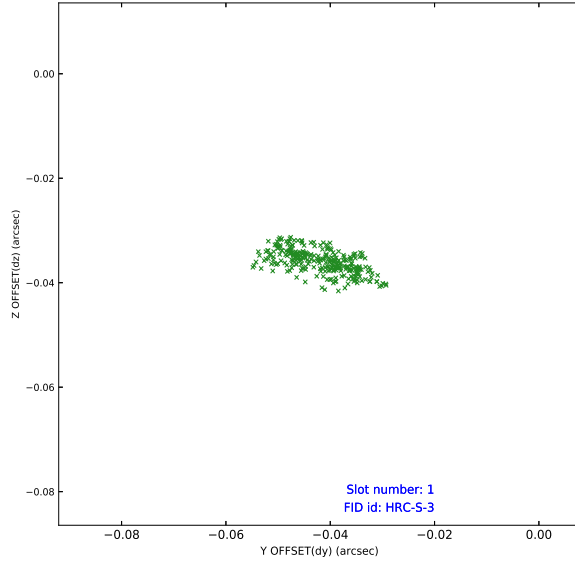


2.5 FID Slots

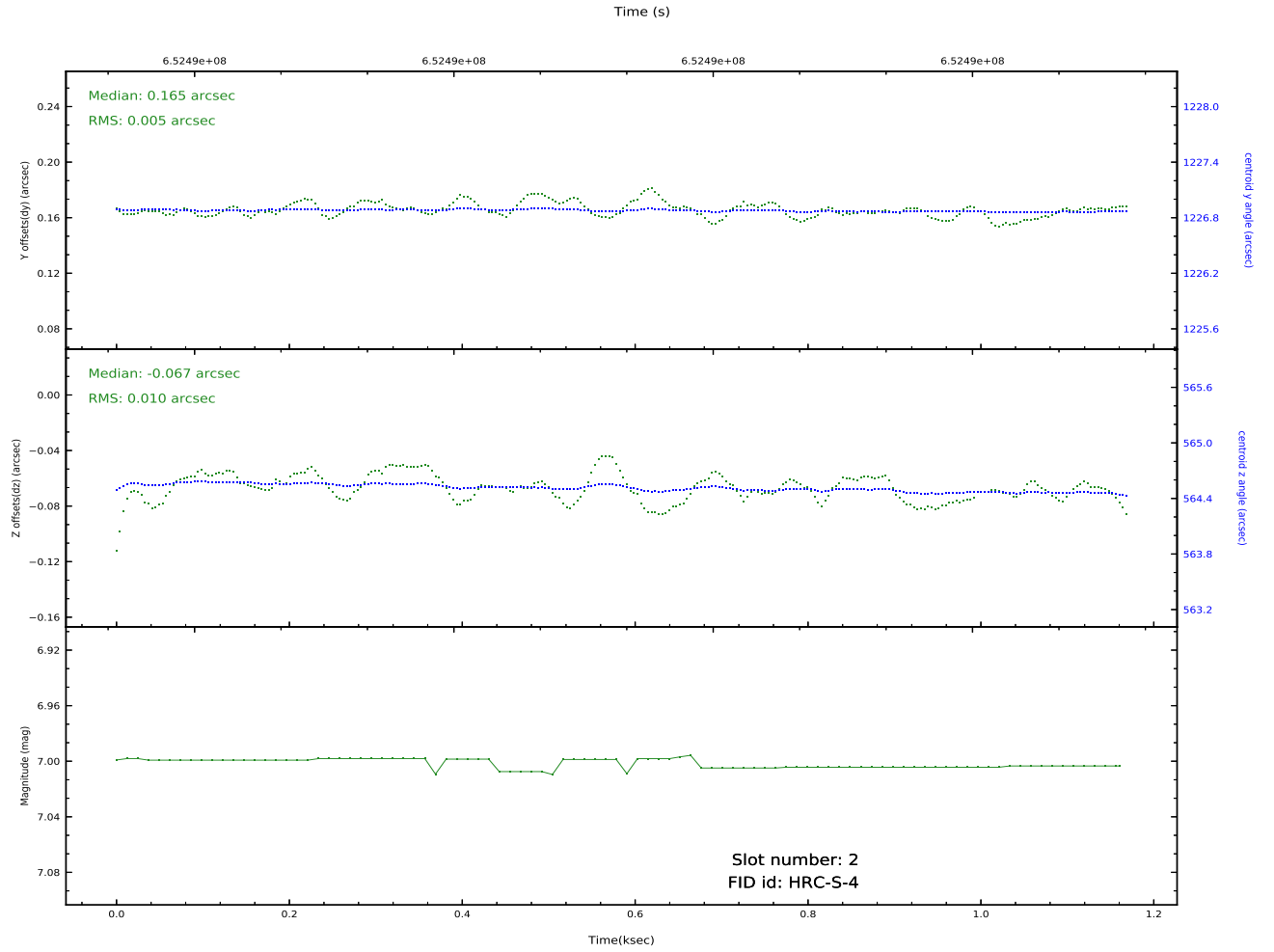
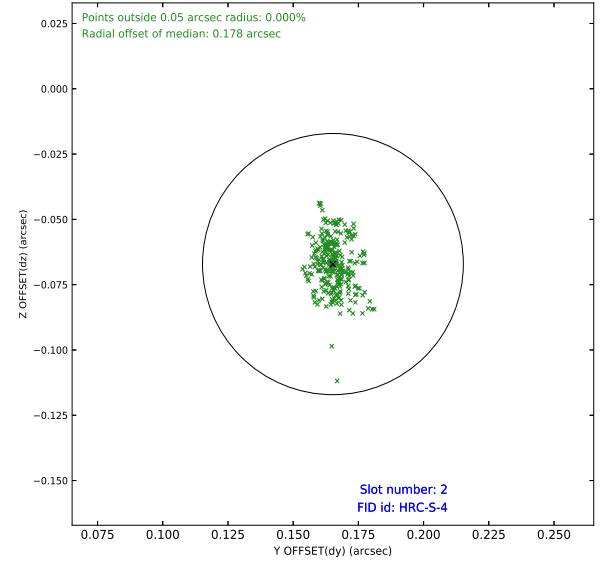
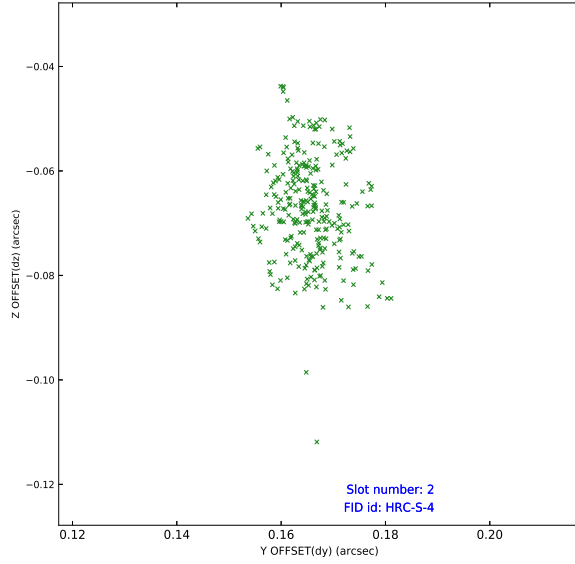
2.5.1 Slot 0



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	1.1715750696659

A.2 Comments