

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20677 - L2 Version 2
Chandra X-Ray Center

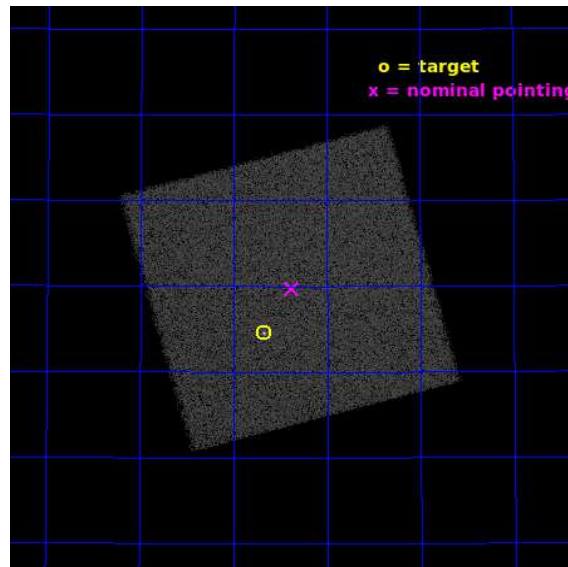
L2 Processing Date : Oct 27 2020

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1 Front

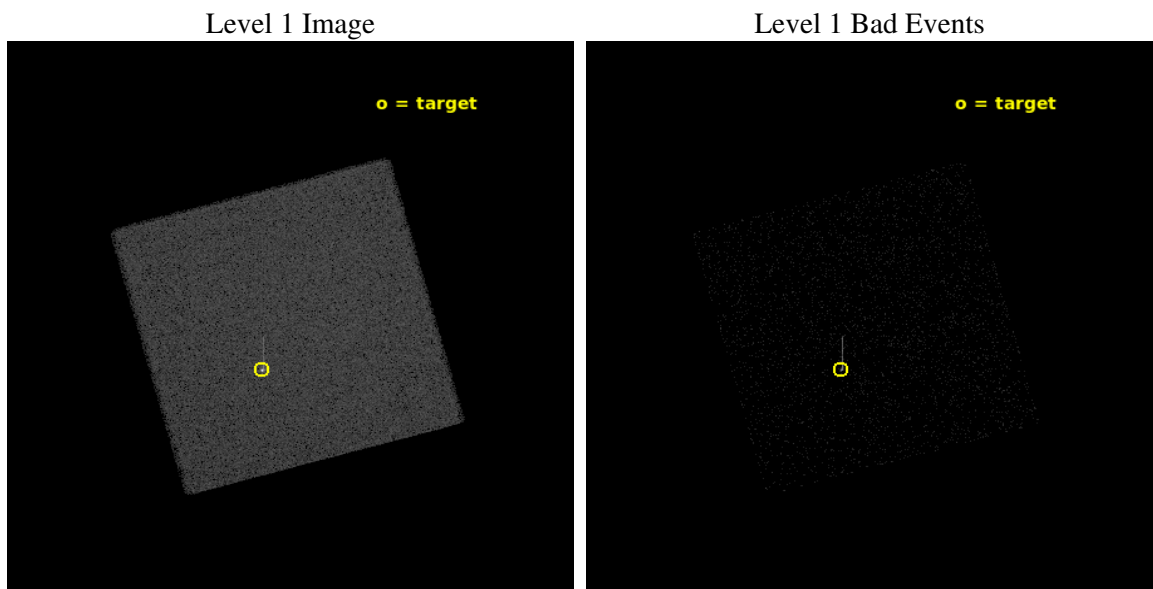
seq_num	291388	Sequence number
obs_id	20677	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09402623457	Nominal RA [deg]
dec_nom	45.828657469403	Nominal Dec [deg]
roll_nom	209.66042307482	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313203335	[s]
livetime	1163.3229757146	Ontime multiplied by DTCOR
l2events	145801	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	1180.0313203335	[s]
caldbver	4.9.3	 	l1events	243892	Number of level 1 events
date	2020-10-27T19:41:51	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

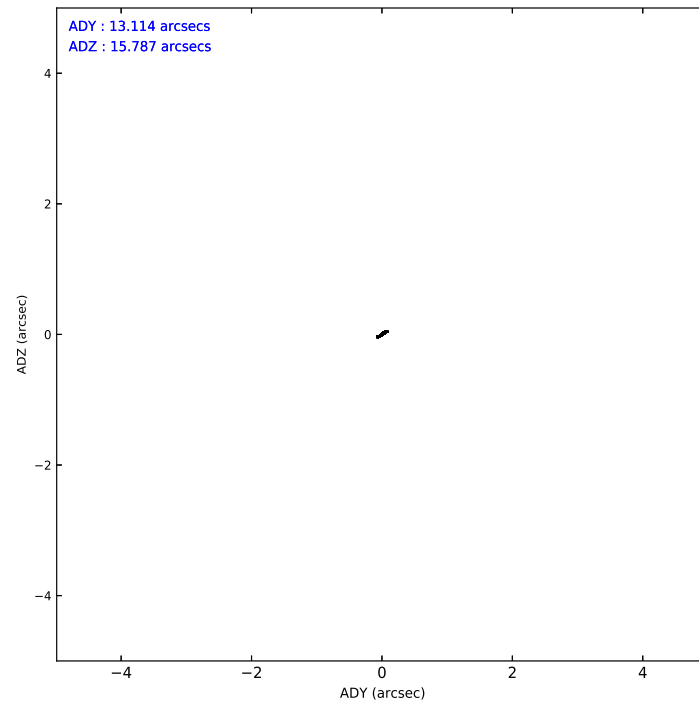
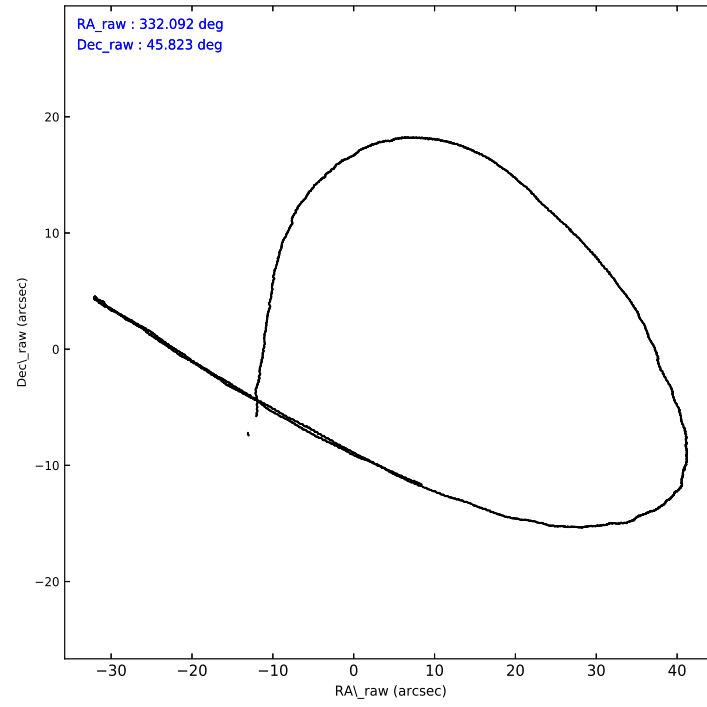
	segment 0
level 1 events	243892
rejected events	53142
rejected %	21%

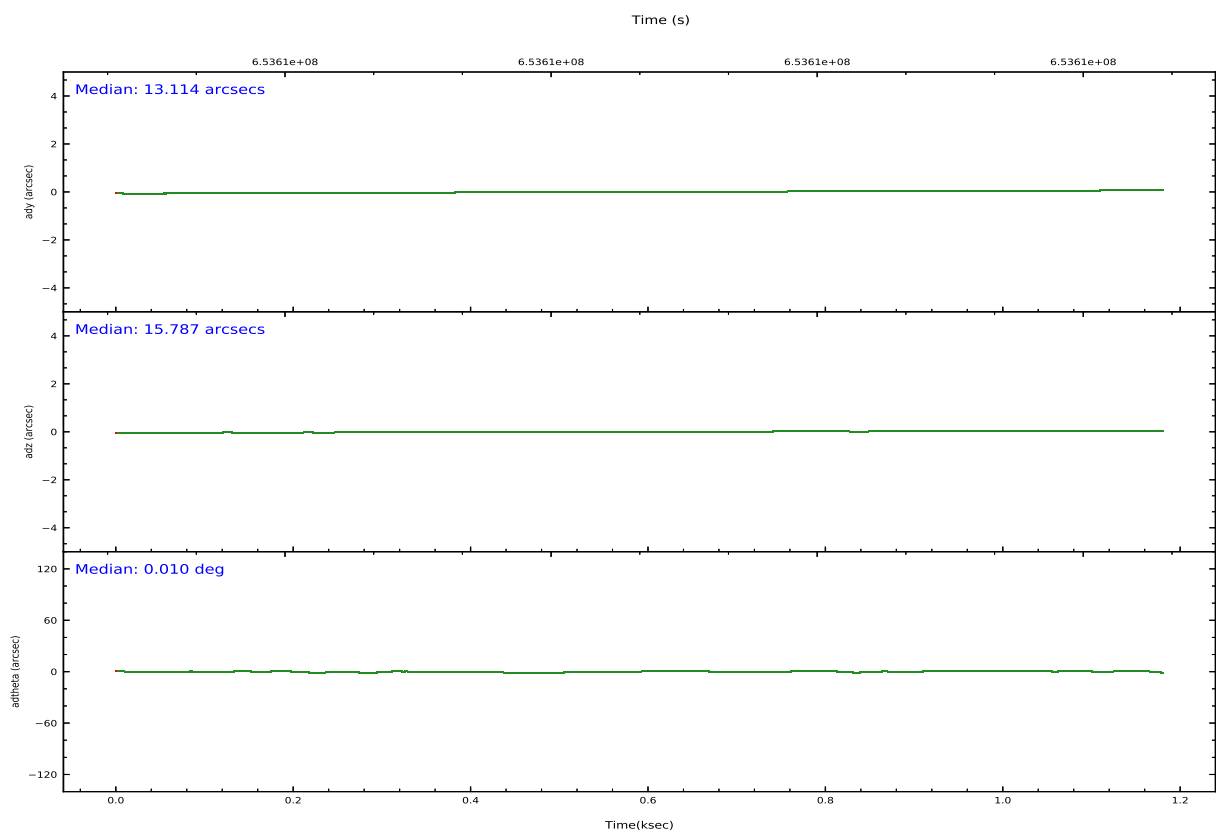
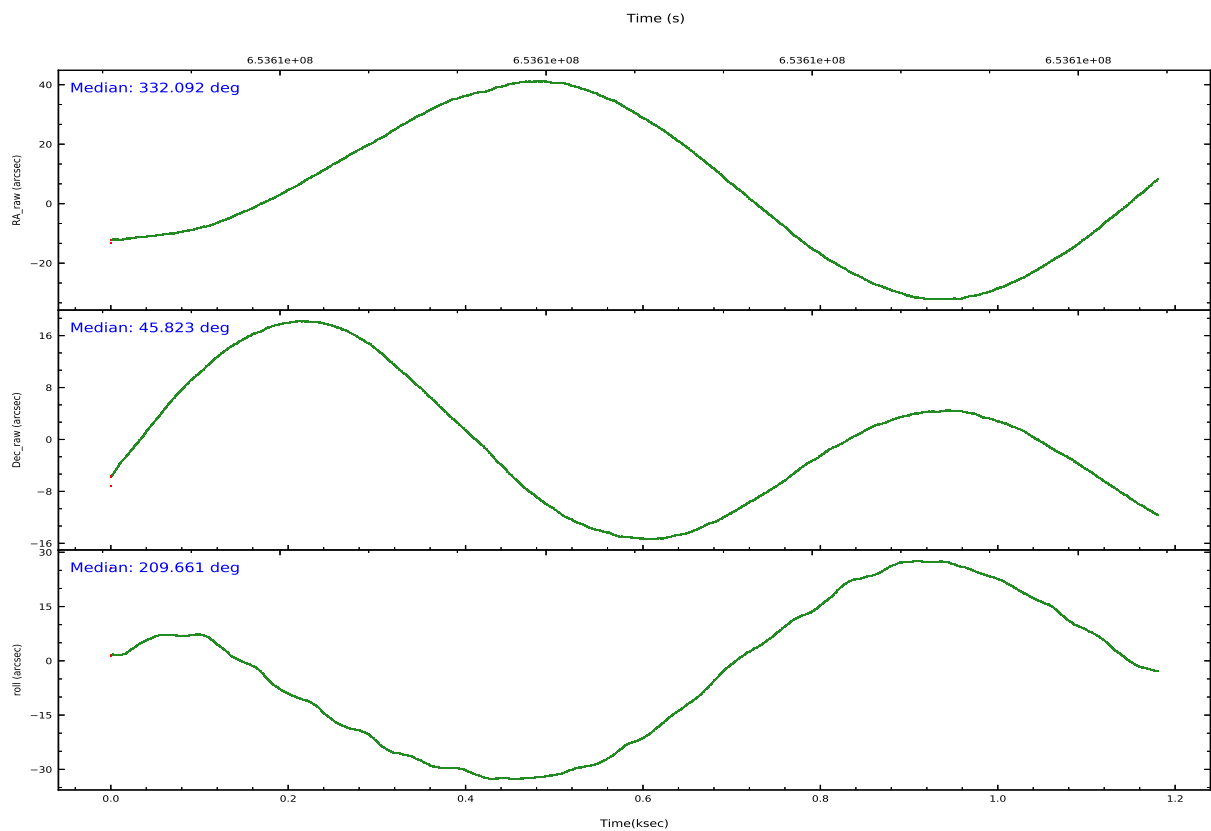
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.112510	332.09402623457
[deg] Pointing Dec	45.845859	45.828657469403
[deg] Pointing Roll	209.756114	209.66042307482
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	653612790.184000	653612414.10447
Observation start date	2018-09-17T23:05:21	2018-09-17T23:00:14
[s] Observation end time (MET)	653613790.184000	653613923.9295599
Observation end date	2018-09-17T23:22:01	2018-09-17T23:25:23

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

2.3 Aspect



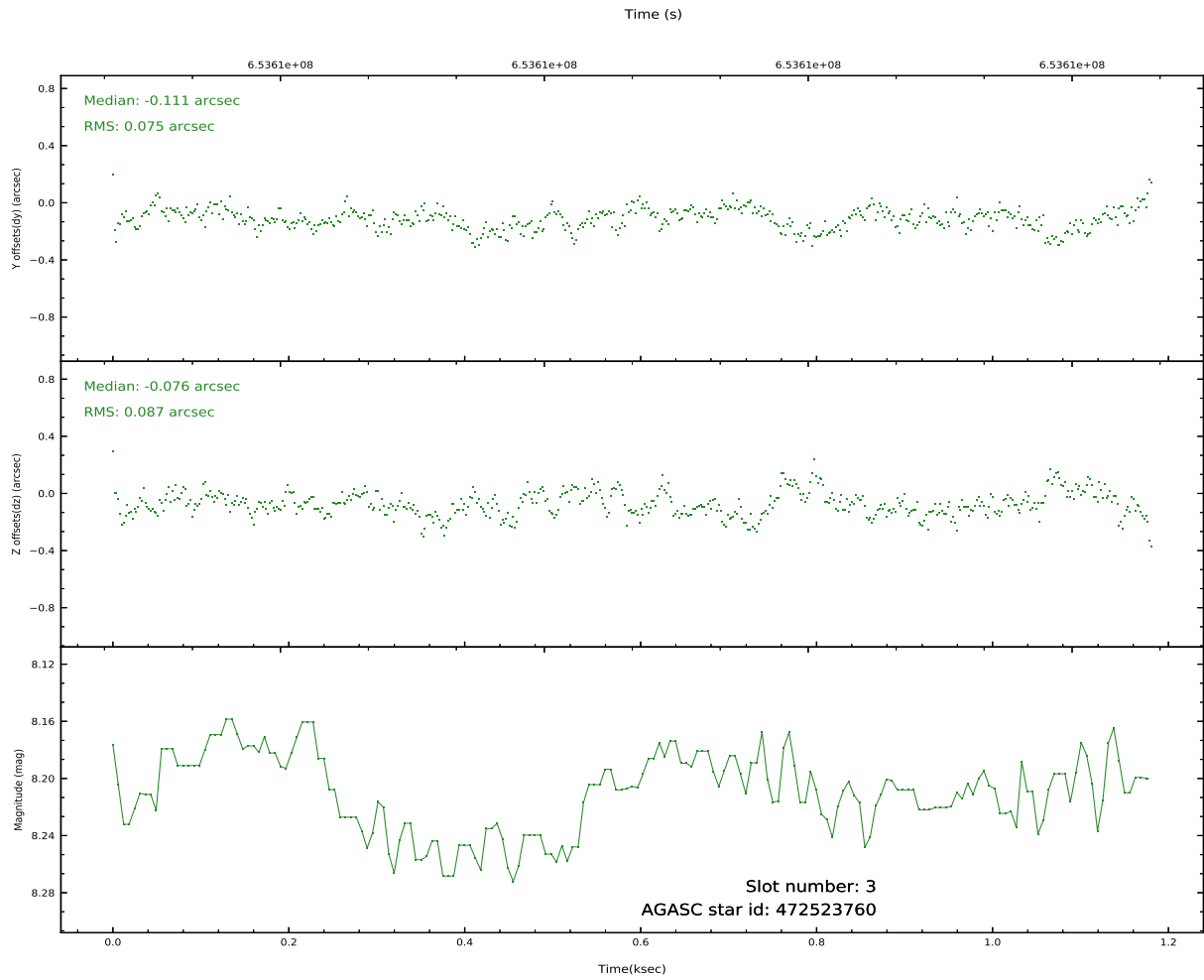
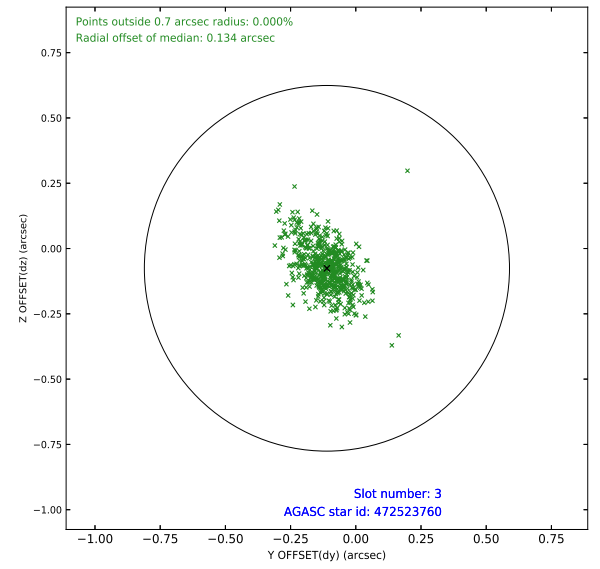
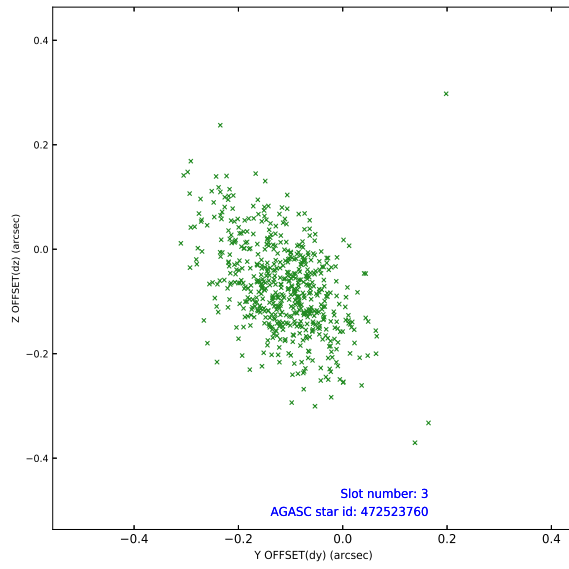


Slot Statistics

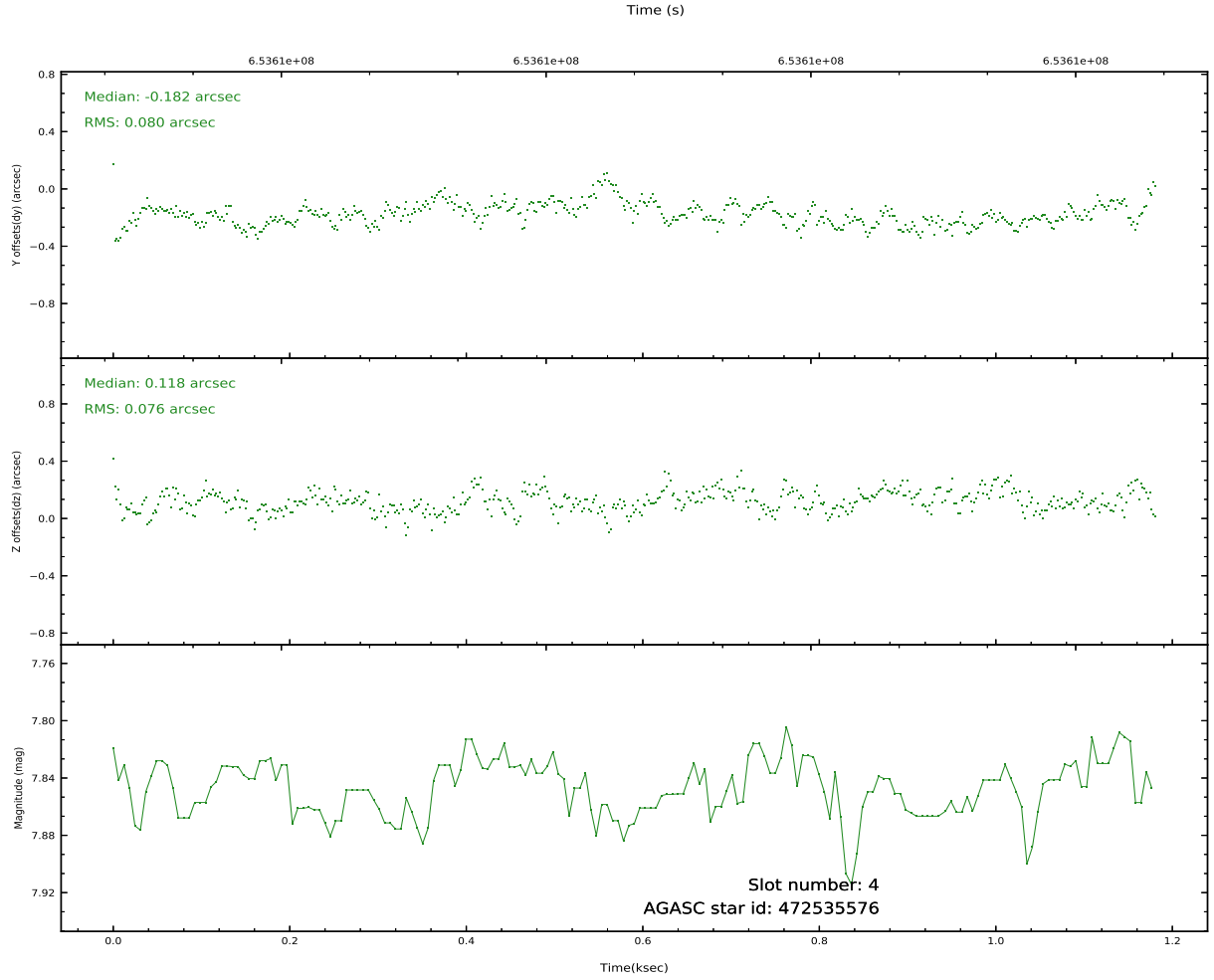
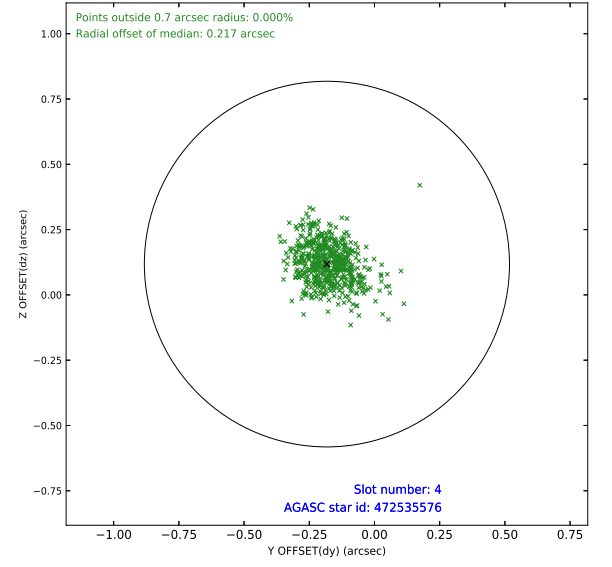
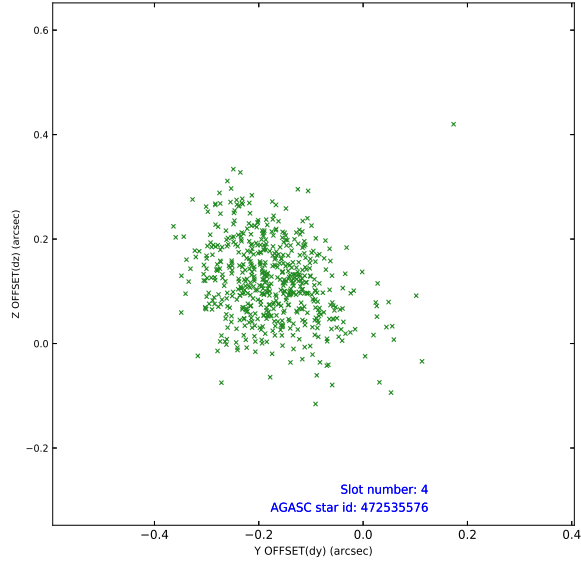
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	289	1.000	-0.078	0.036	0.007	0.011	0.000000	0.000000	-768.96	-1303
1	FID		HRC-I-2	7.04	289	1.000	0.320	-0.228	0.006	0.011	0.000000	0.000000	841.40	-1310
2	FID		HRC-I-3	7.09	289	1.000	-0.123	0.102	0.006	0.010	0.000000	0.000000	-1194.54	996
3	GUIDE	used	472523760	8.21	577	1.000	-0.111	-0.076	0.116	0.210	331.645363	45.403260	1813.88	798
4	GUIDE	used	472535576	7.85	576	1.000	-0.182	0.118	0.112	0.194	331.438373	46.291802	658.37	-2226
5	GUIDE	used	472655152	9.38	577	1.000	-0.039	-0.184	0.196	0.315	332.504239	45.862991	-883.66	431
6	GUIDE	used	472665256	8.96	577	1.000	0.074	0.177	0.125	0.222	332.808125	46.195041	-2134.28	-232
7	GUIDE	used	472533912	9.12	576	1.000	0.267	-0.038	0.156	0.248	331.791136	46.368695	-245.51	-2028

2.4 Star Slots

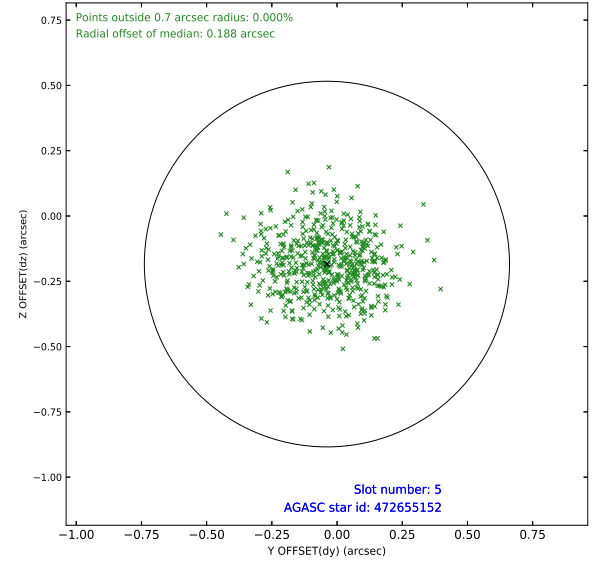
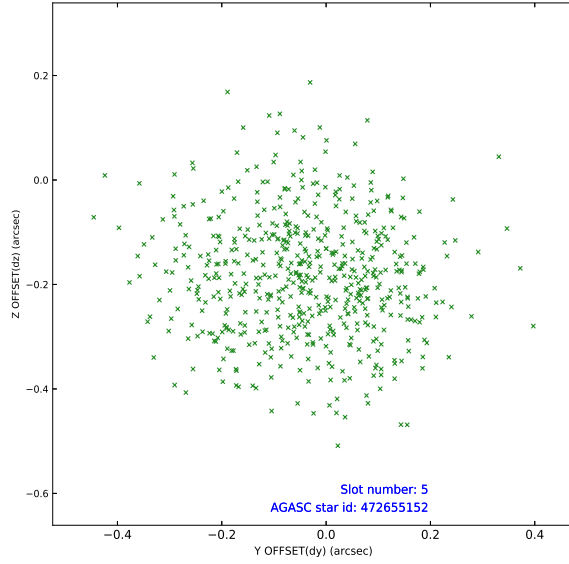
2.4.1 Slot 3



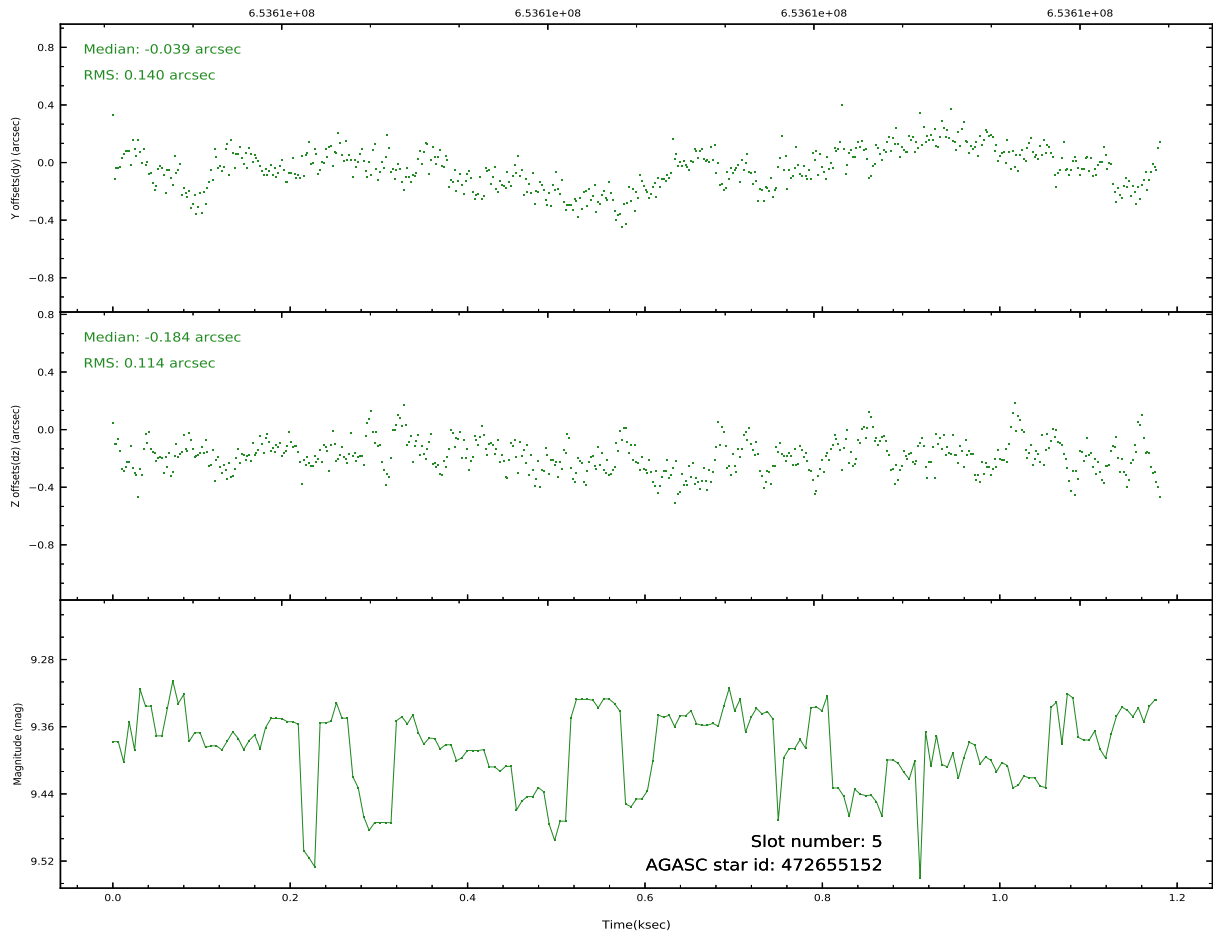
2.4.2 Slot 4



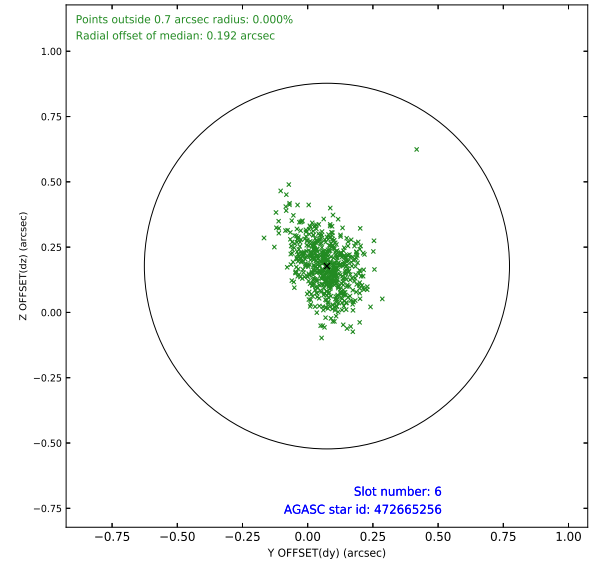
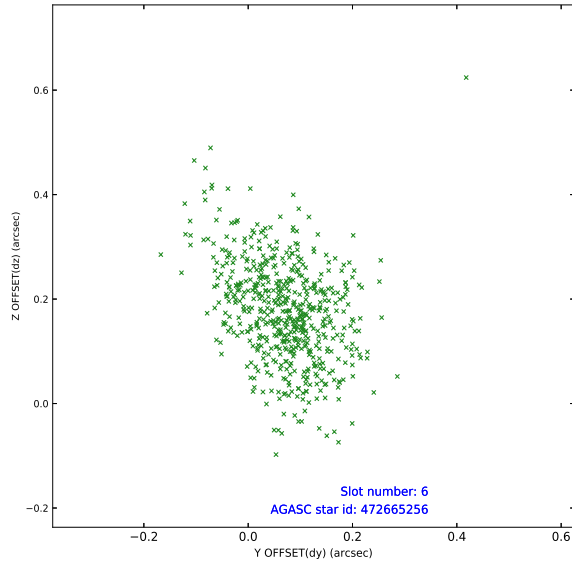
2.4.3 Slot 5



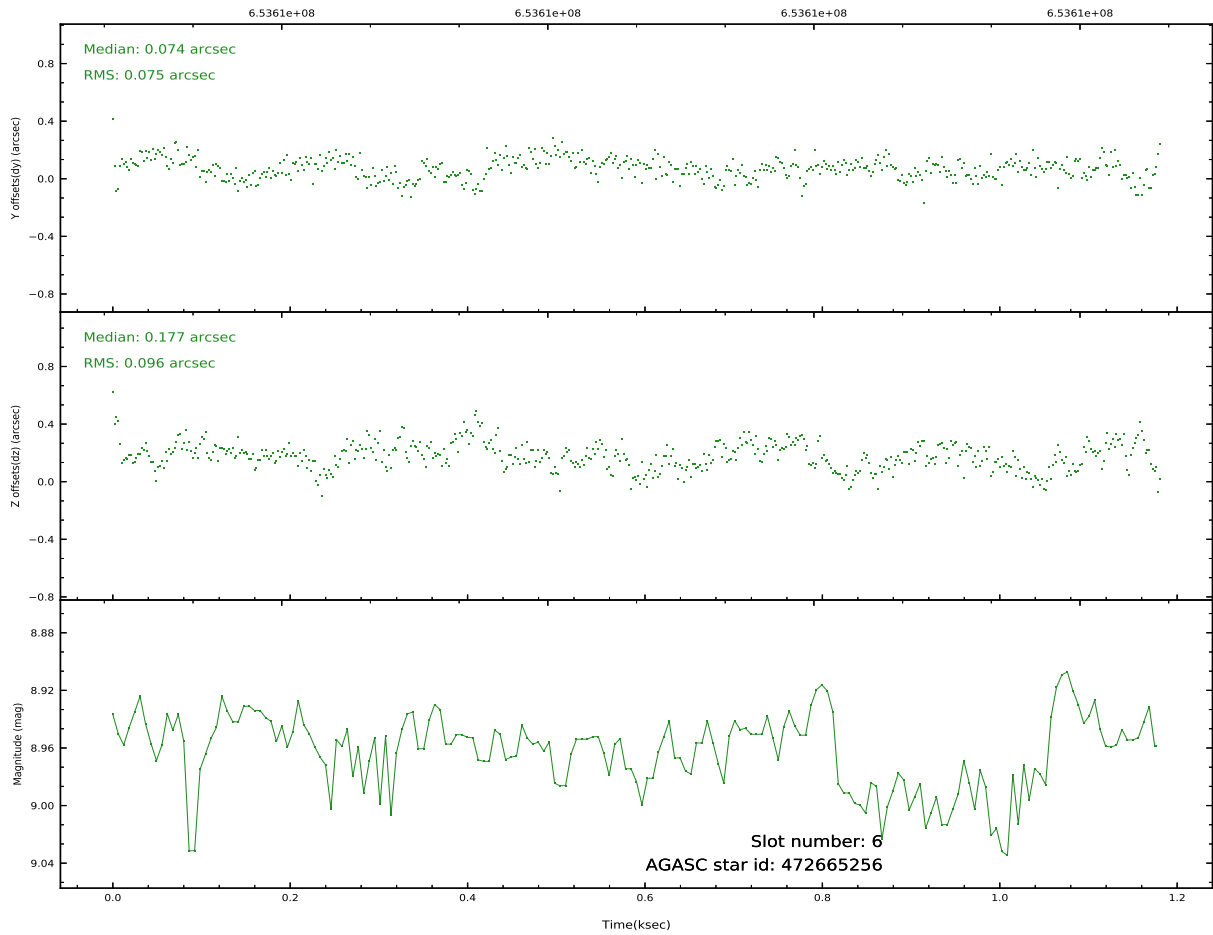
Time (s)



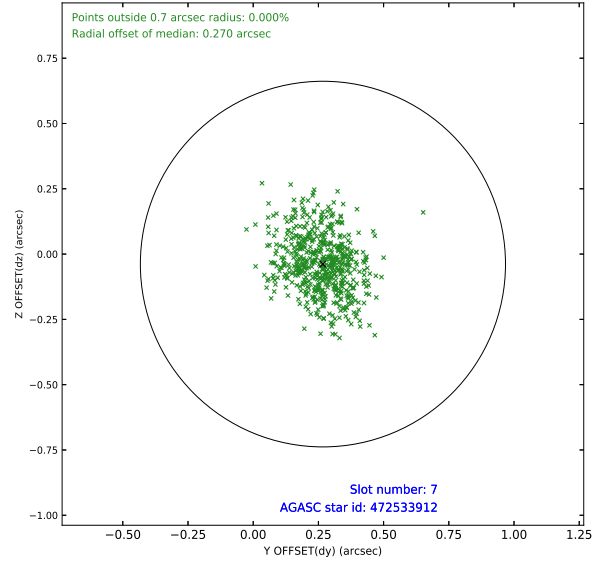
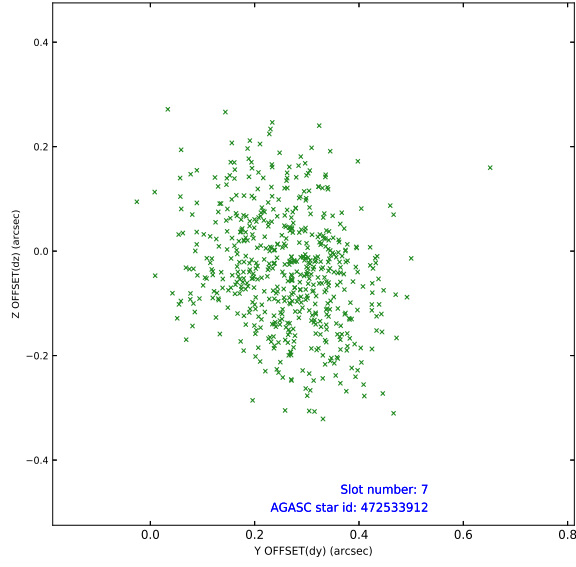
2.4.4 Slot 6



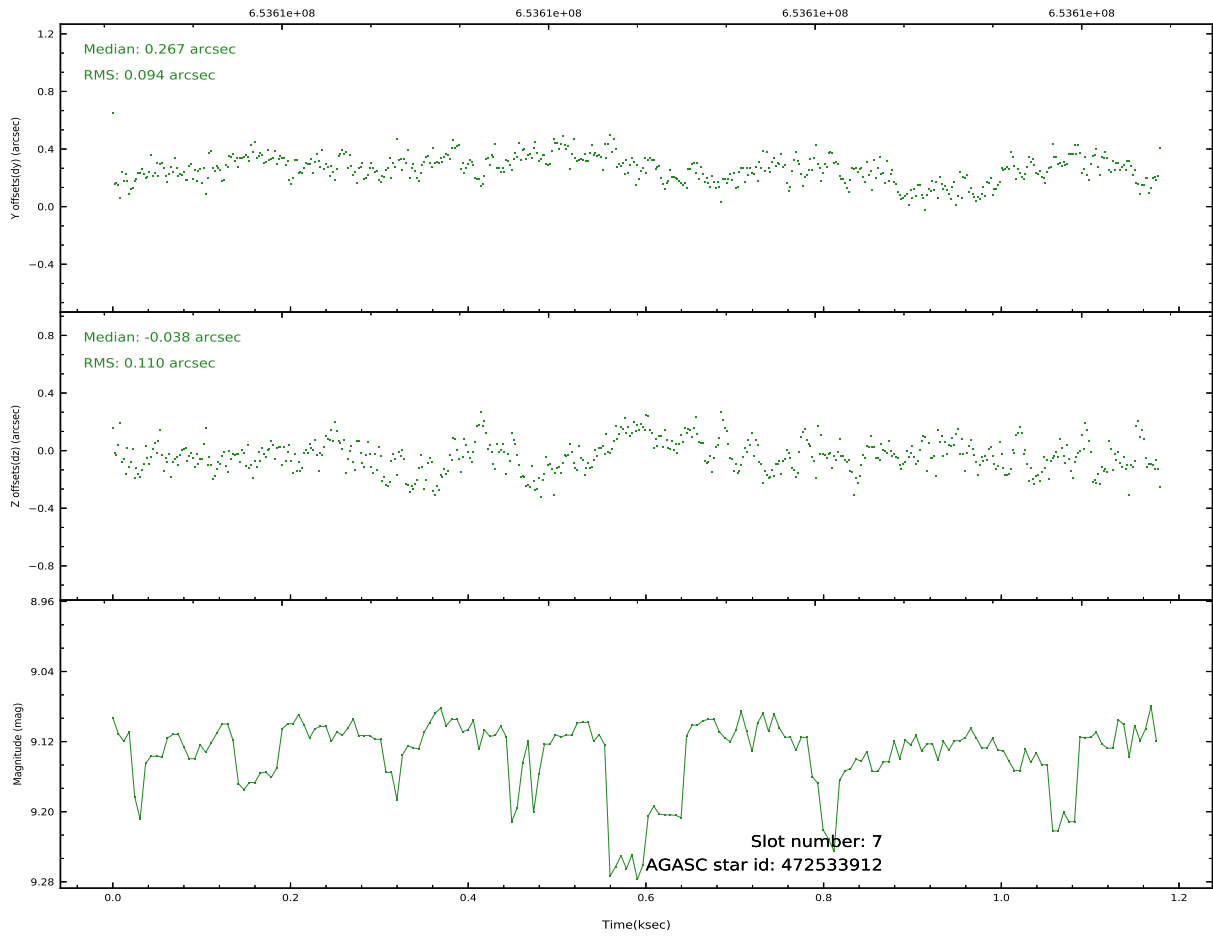
Time (s)



2.4.5 Slot 7

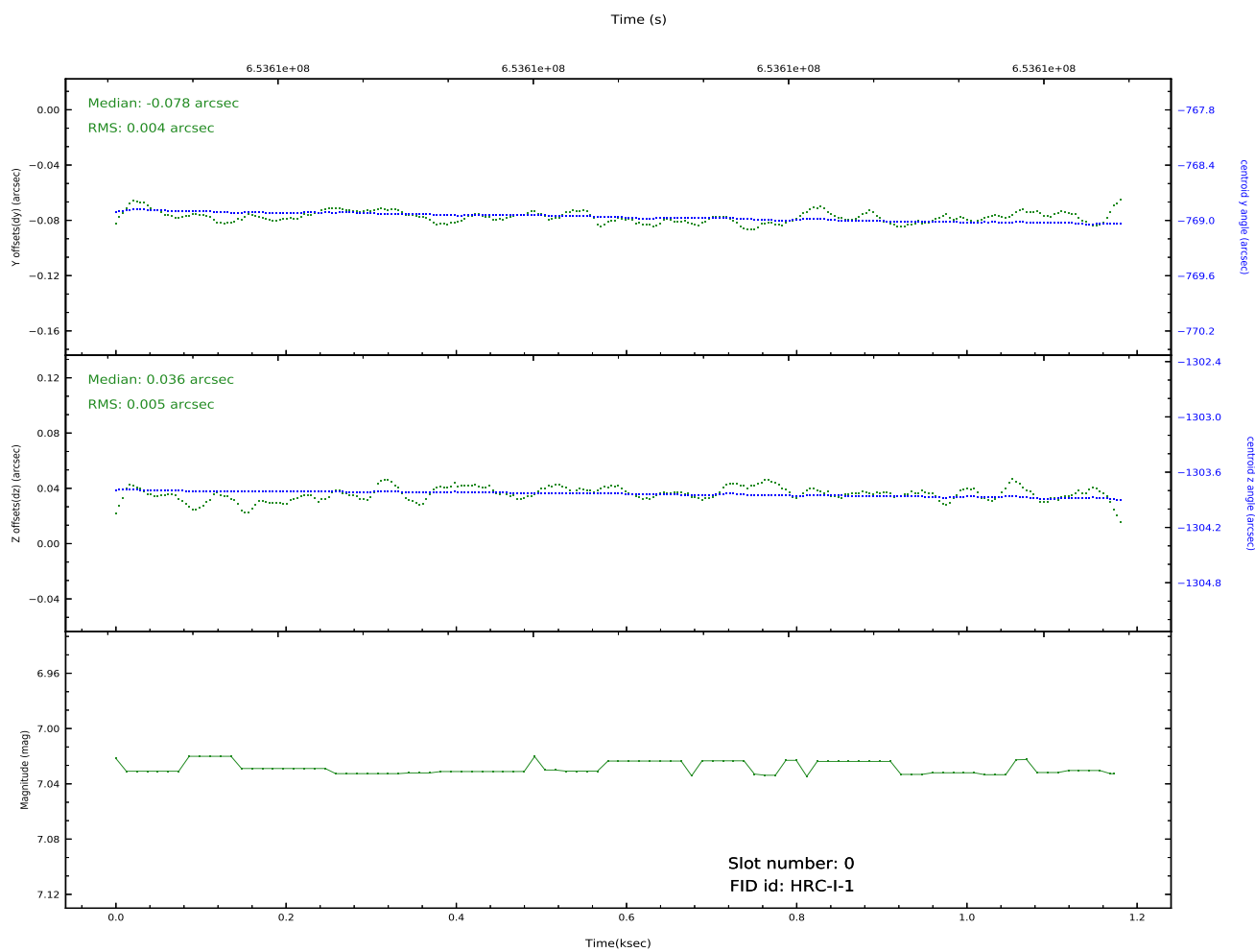
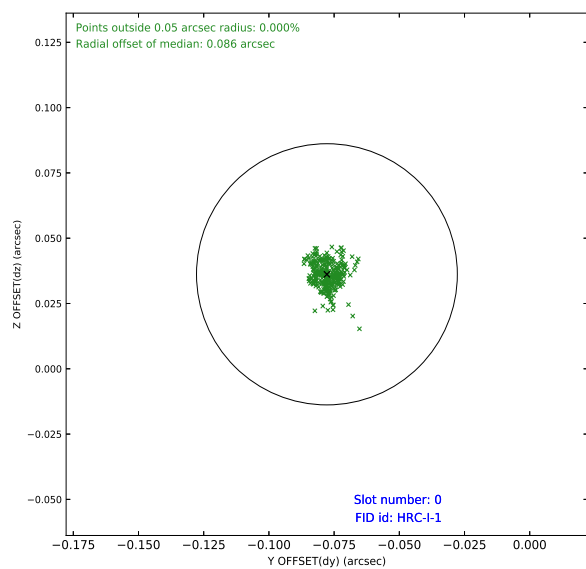
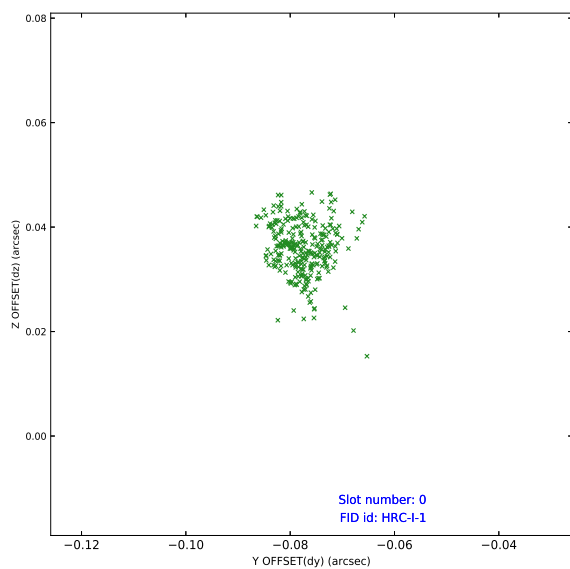


Time (s)

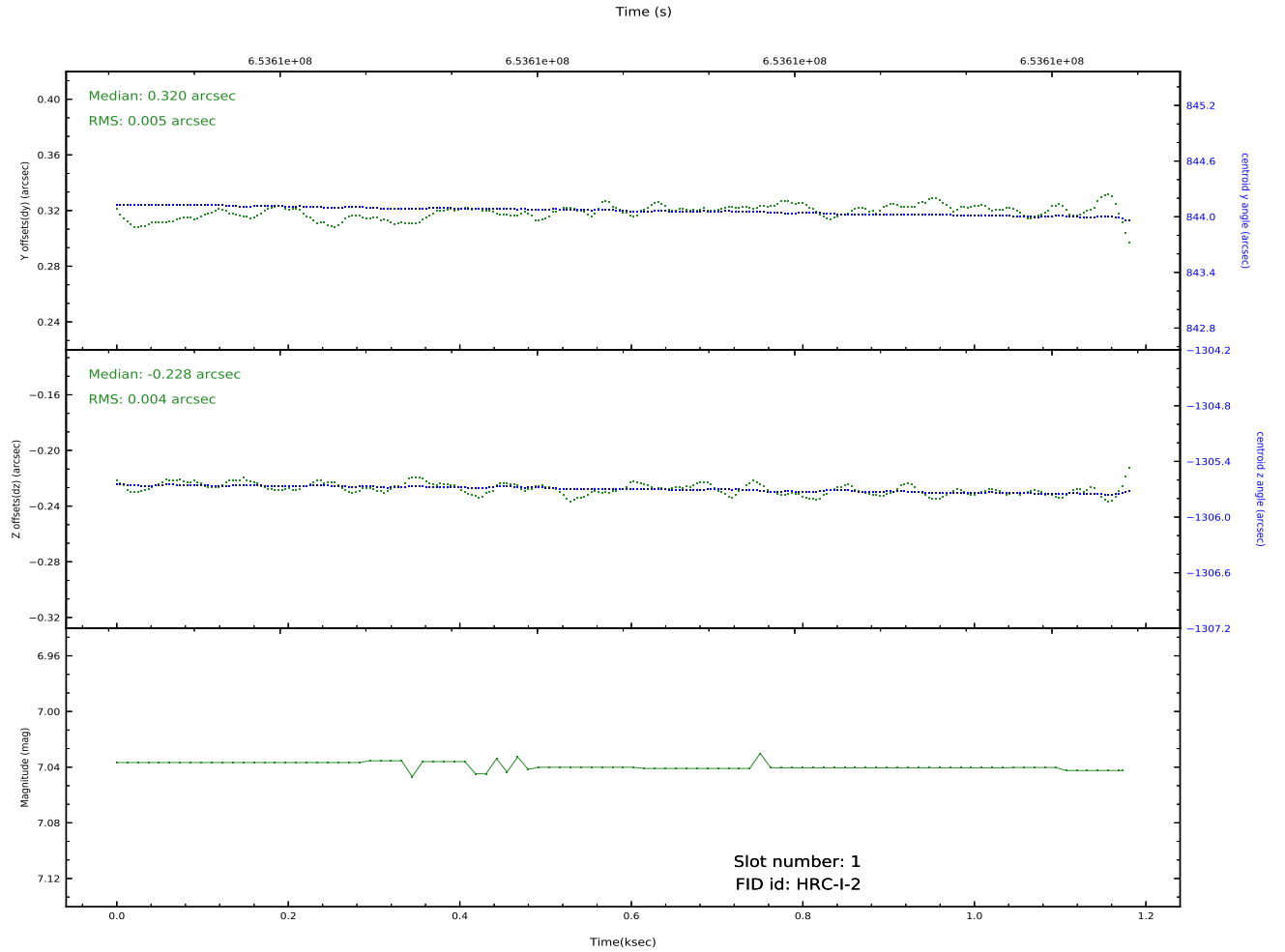
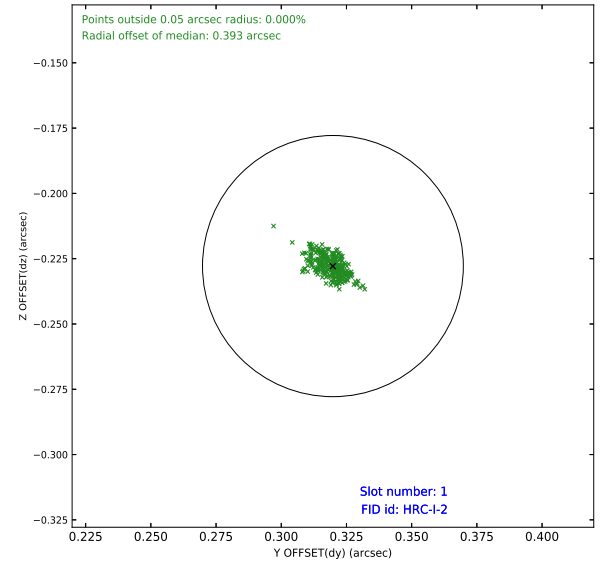
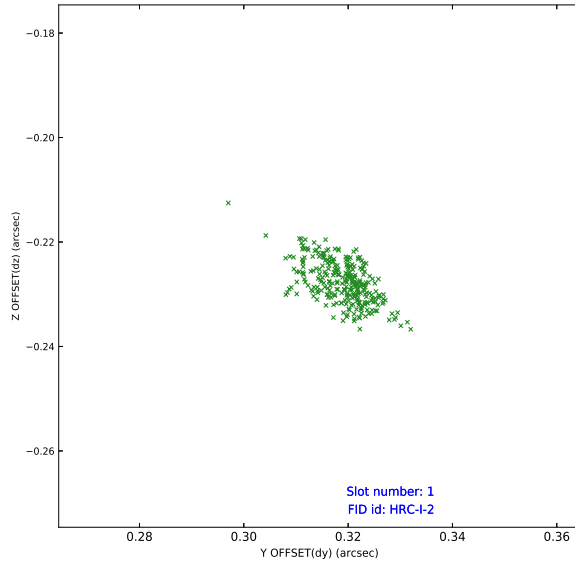


2.5 FID Slots

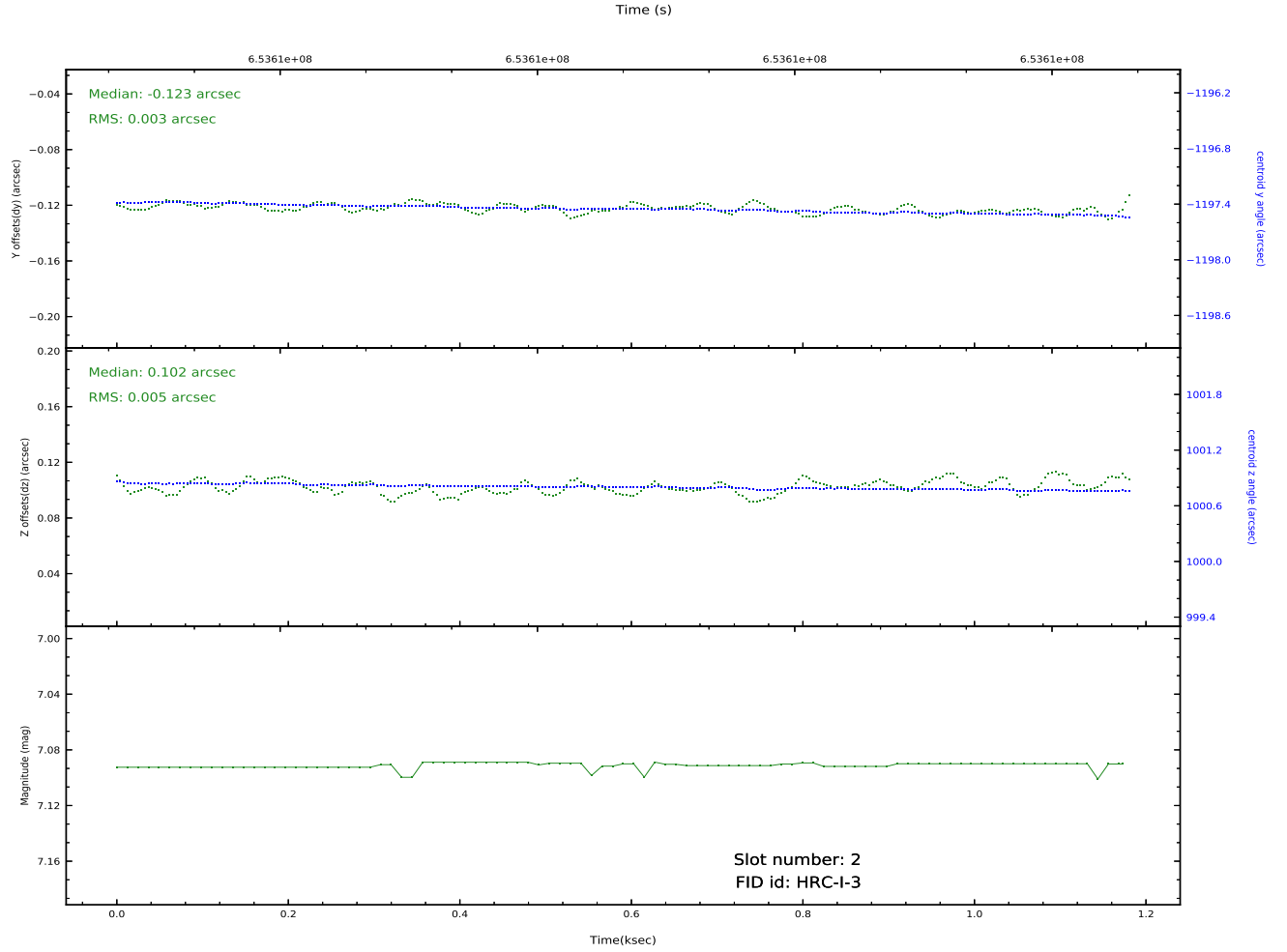
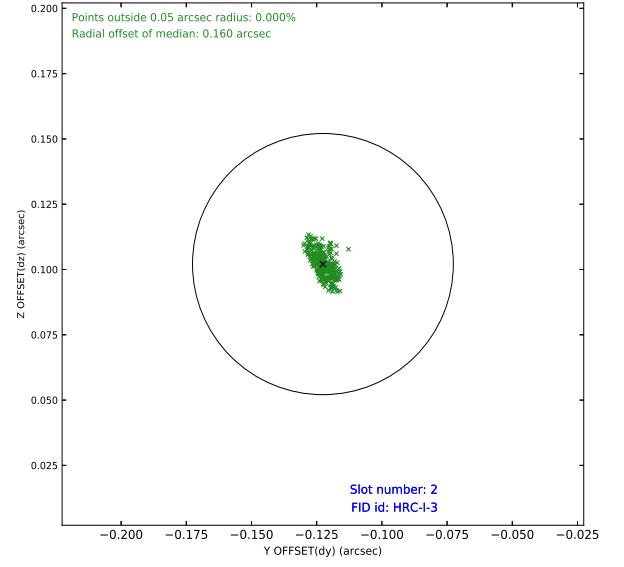
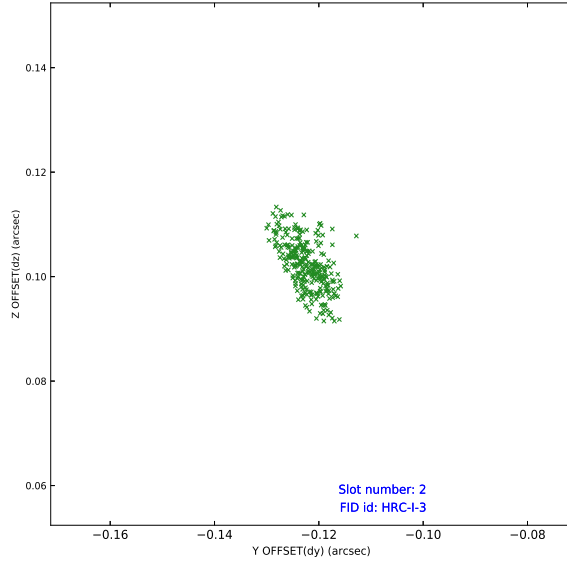
2.5.1 Slot 0



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	1.1800313202143

A.2 Comments