

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20679 - L2 Version 2
Chandra X-Ray Center

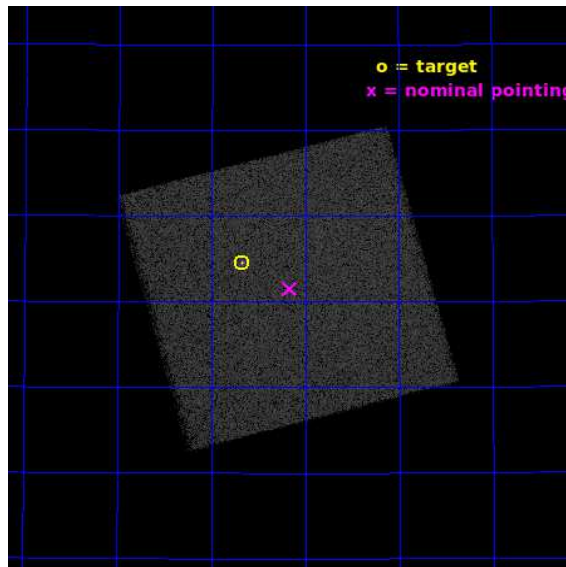
L2 Processing Date : Oct 27 2020

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1 Front

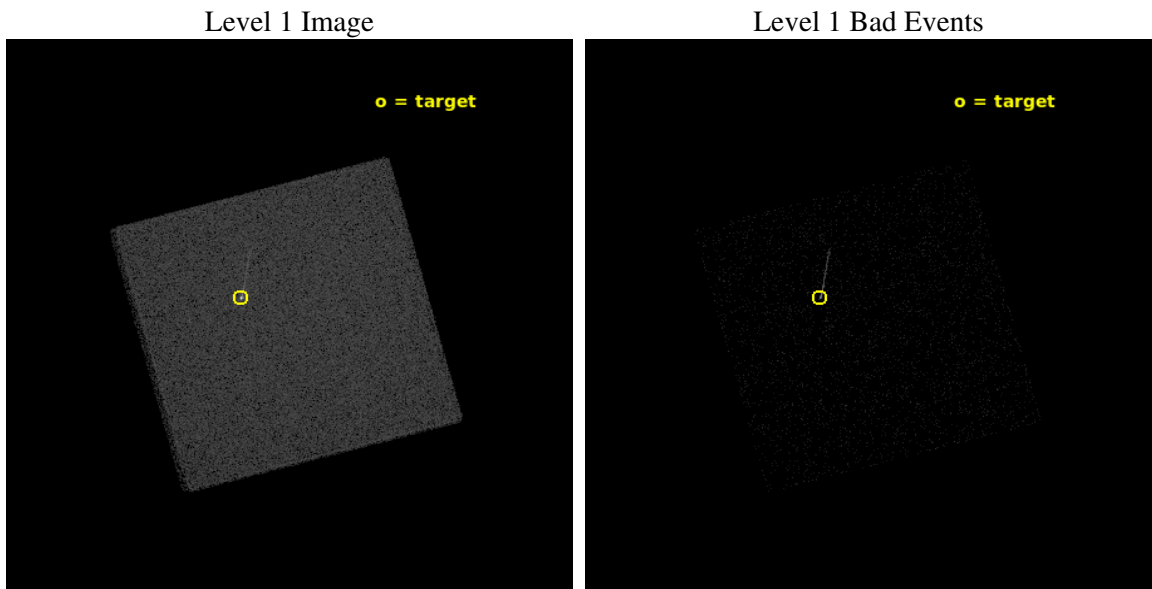
seq_num	291390	Sequence number
obs_id	20679	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.04074672974	Nominal RA [deg]
dec_nom	45.691956539203	Nominal Dec [deg]
roll_nom	209.82257282589	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1173.8813198805	[s]
livetime	1157.3039646765	Ontime multiplied by DTCOR
l2events	144915	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	1173.8813198805	[s]
caldbver	4.9.3	 	l1events	243853	Number of level 1 events
date	2020-10-27T19:42:29	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

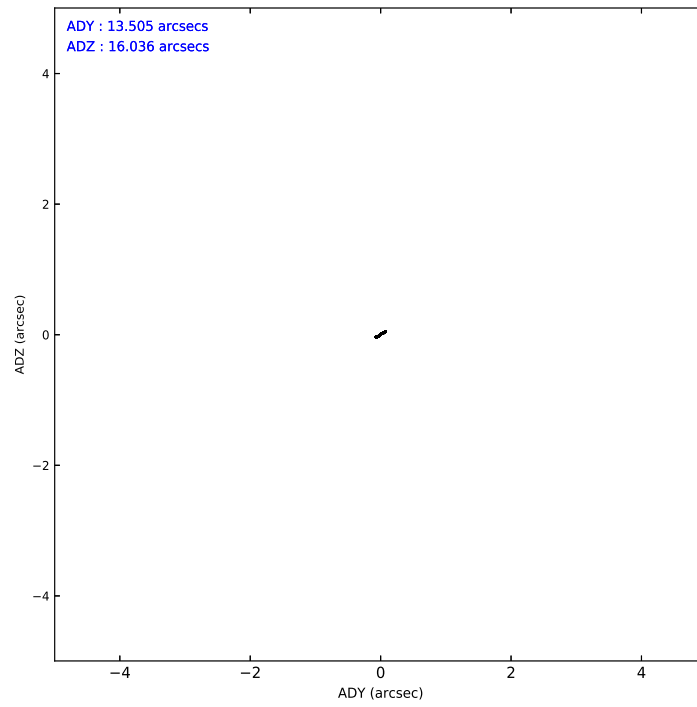
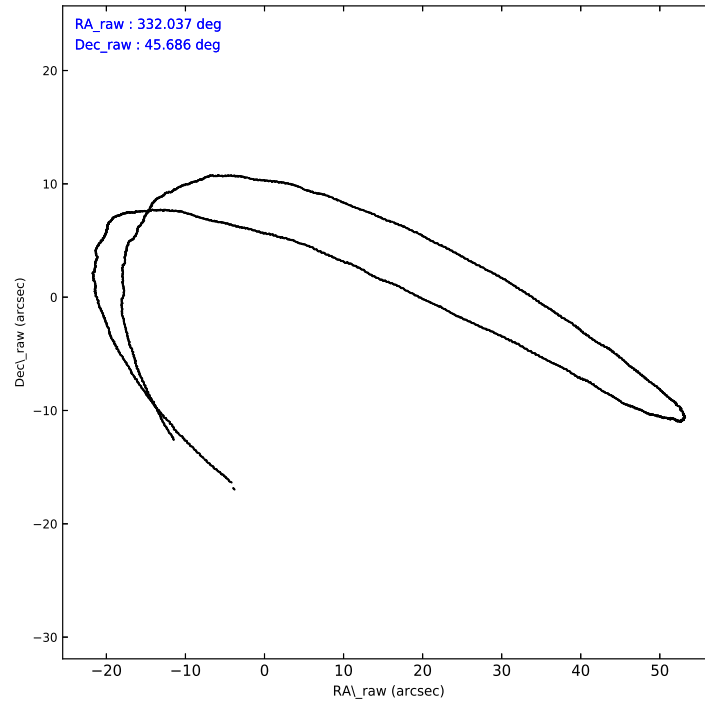
	segment 0
level 1 events	243853
rejected events	54144
rejected %	22%

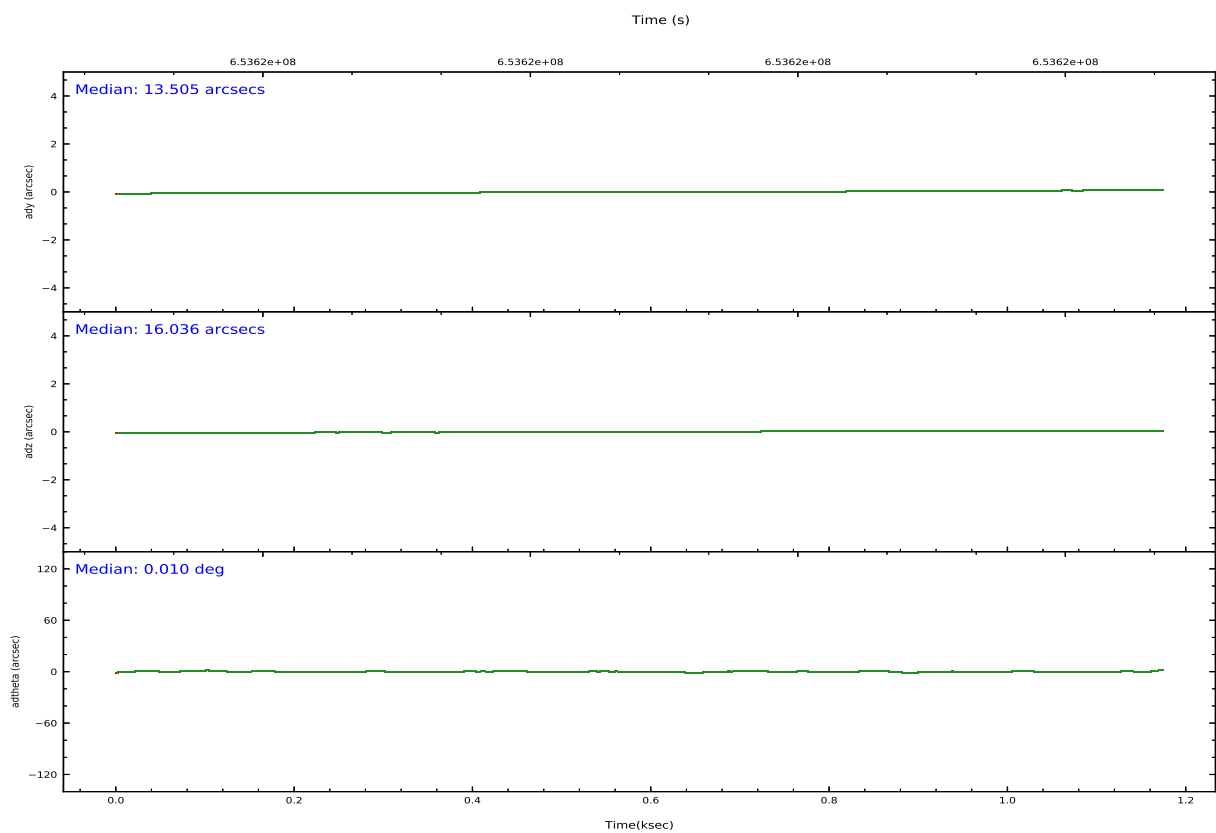
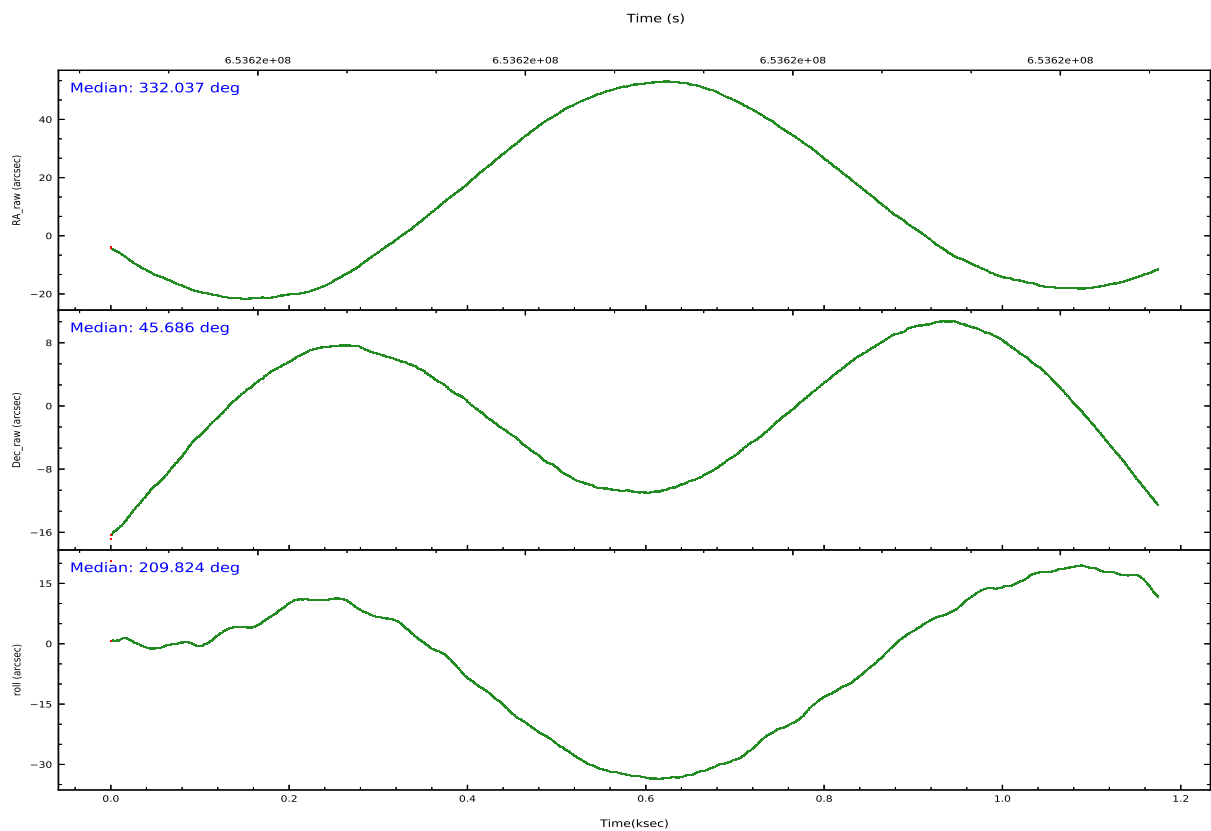
2.2 Compared Parameters

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	332.059286	332.04074672974
[deg] Pointing Dec	45.709167	45.691956539203
[deg] Pointing Roll	209.917625	209.82257282589
[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)	653615810.184000	653615433.75465
Observation start date	2018-09-17T23:55:41	2018-09-17T23:50:33
[s] Observation end time (MET)	653616810.184000	653616944.09224
Observation end date	2018-09-18T00:12:21	2018-09-18T00:15:44

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

2.3 Aspect



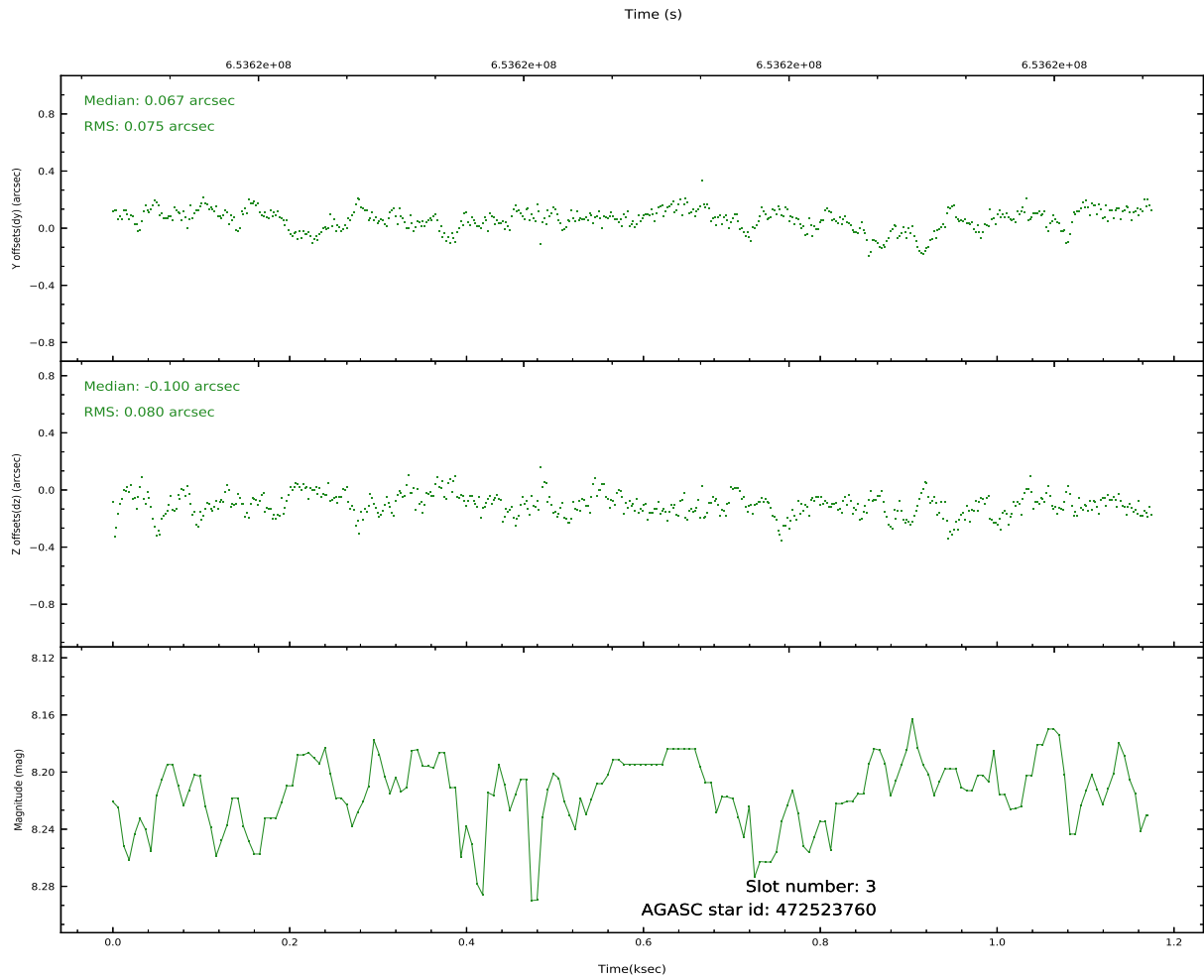
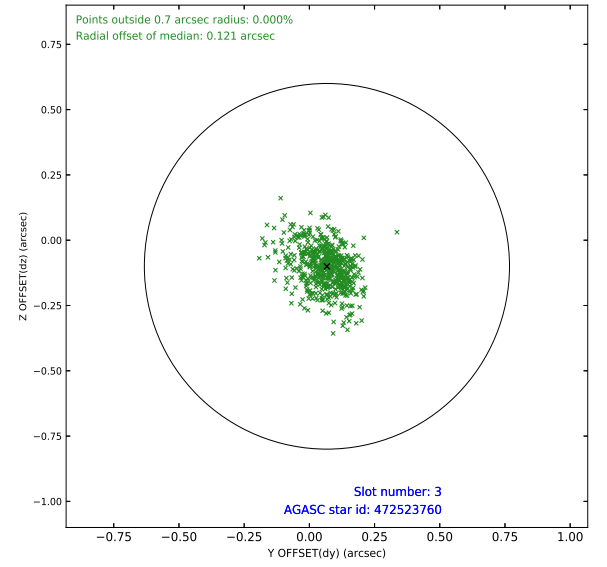
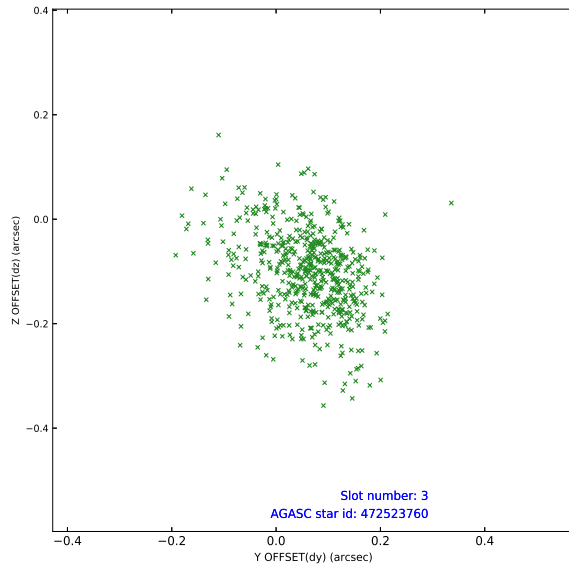


Slot Statistics

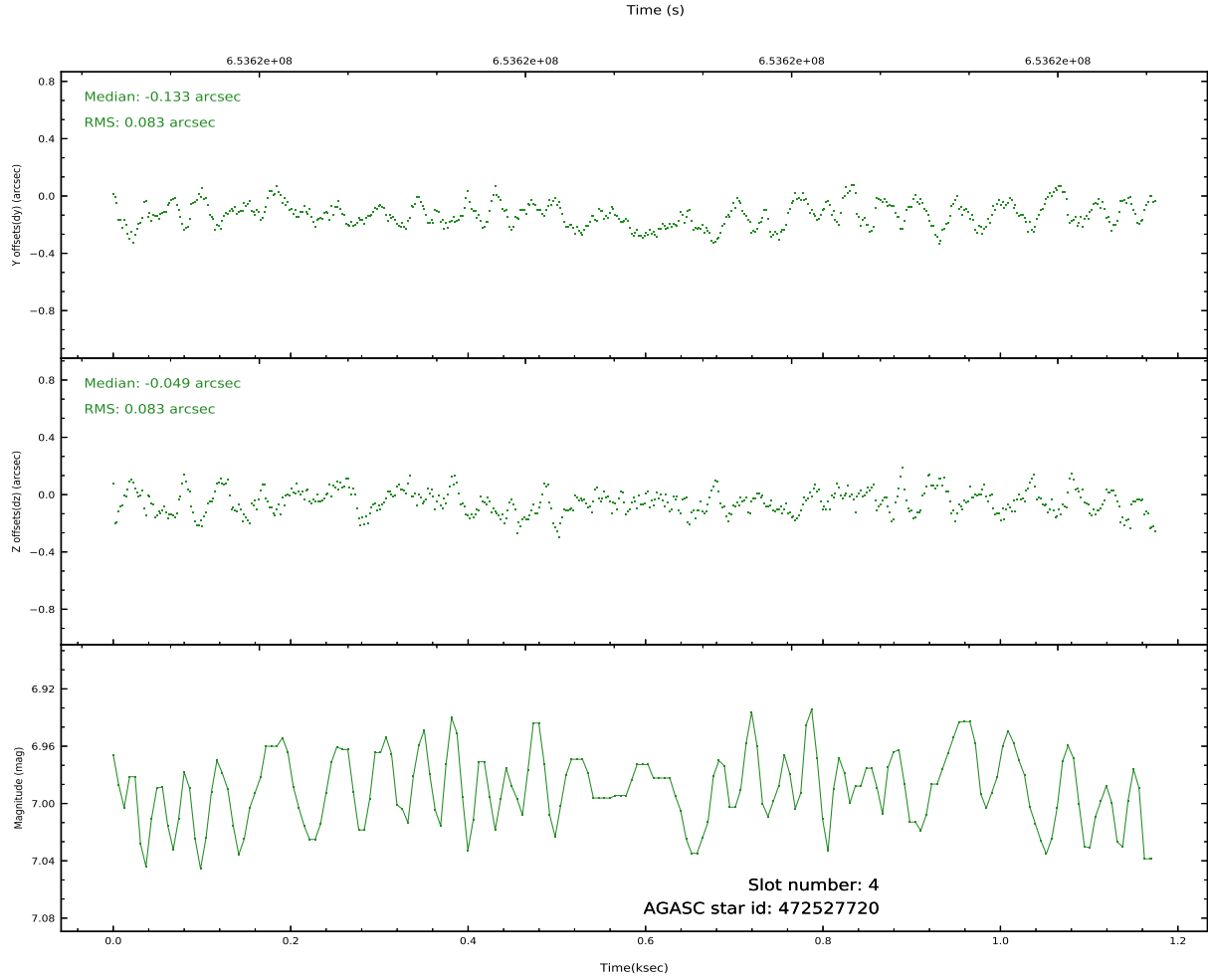
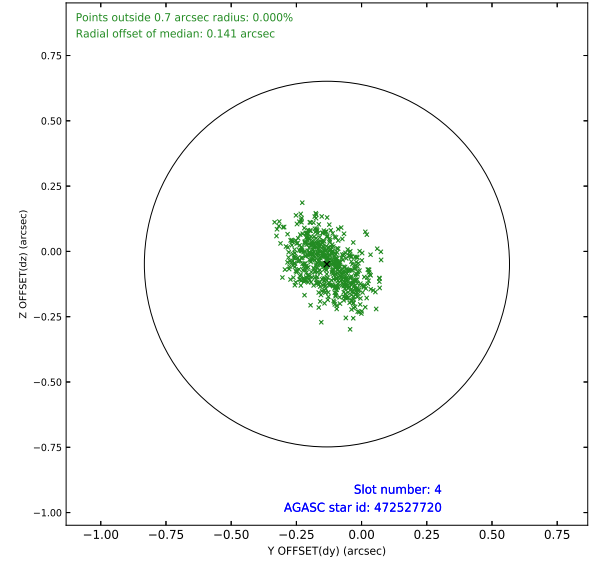
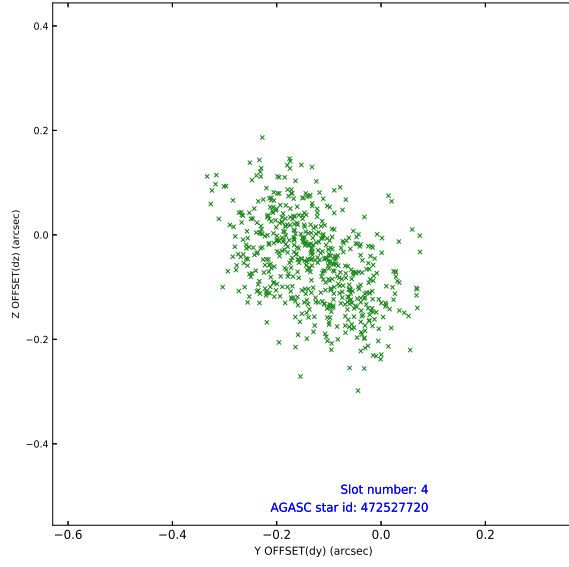
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	287	1.000	-0.082	0.035	0.009	0.014	0.000000	0.000000	-769.38	-1304
1	FID		HRC-I-2	7.04	287	1.000	0.335	-0.238	0.008	0.012	0.000000	0.000000	840.99	-1310
2	FID		HRC-I-3	7.09	287	1.000	-0.132	0.116	0.008	0.013	0.000000	0.000000	-1194.93	996
3	GUIDE	used	472523760	8.21	574	1.000	0.067	-0.100	0.111	0.205	331.645363	45.403260	1453.91	434
4	GUIDE	used	472527720	6.99	574	1.000	-0.133	-0.049	0.125	0.202	331.460205	45.112509	2388.74	1102
5	GUIDE	used	472655152	9.39	574	1.000	0.027	-0.014	0.176	0.314	332.504239	45.862991	-1241.48	79
6	GUIDE	used	420754040	9.03	574	1.000	-0.065	-0.077	0.144	0.253	331.917939	44.882543	1790.98	2403
7	GUIDE	used	472533912	9.11	571	1.000	0.124	0.245	0.186	0.292	331.791136	46.368695	-604.99	-2382

2.4 Star Slots

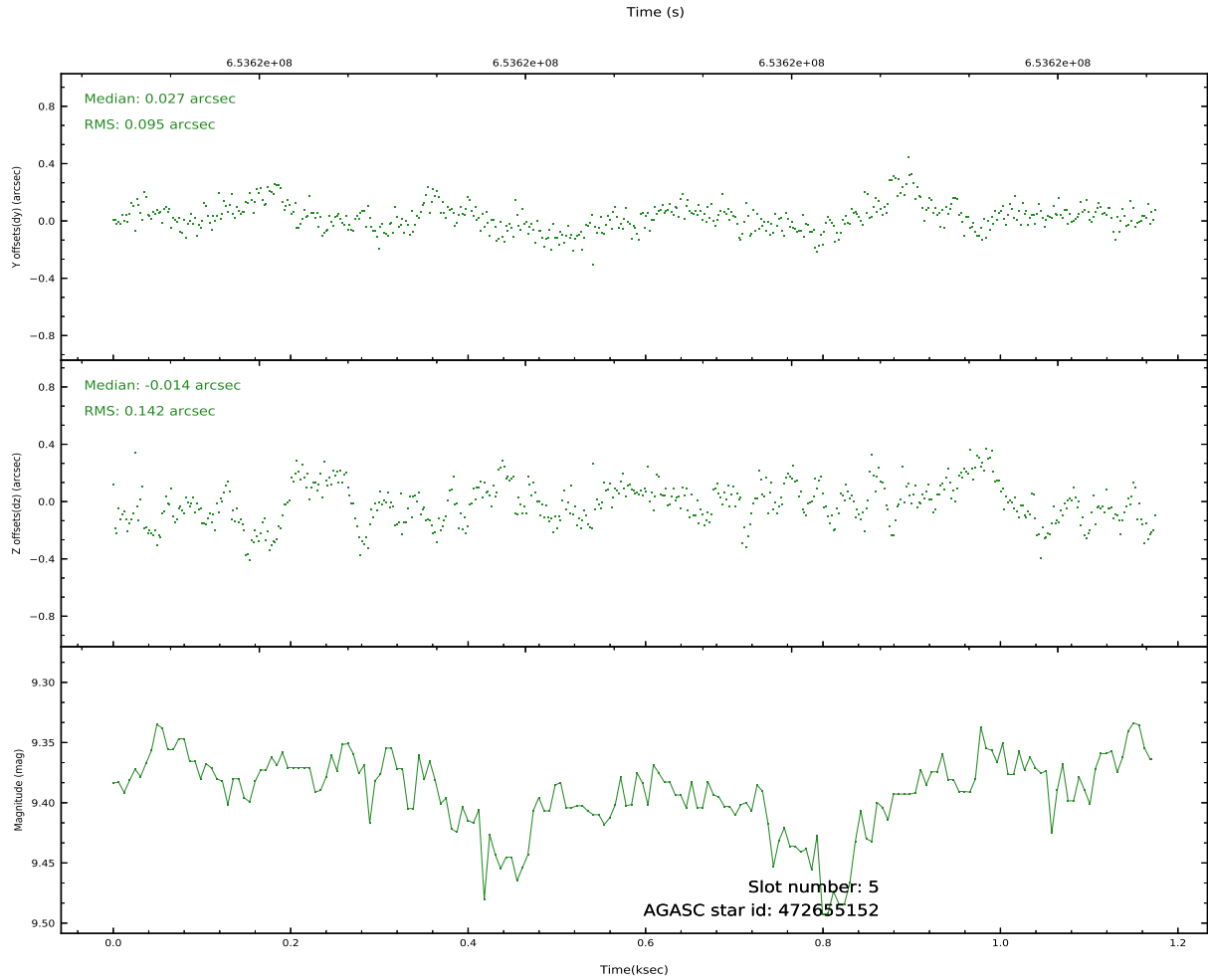
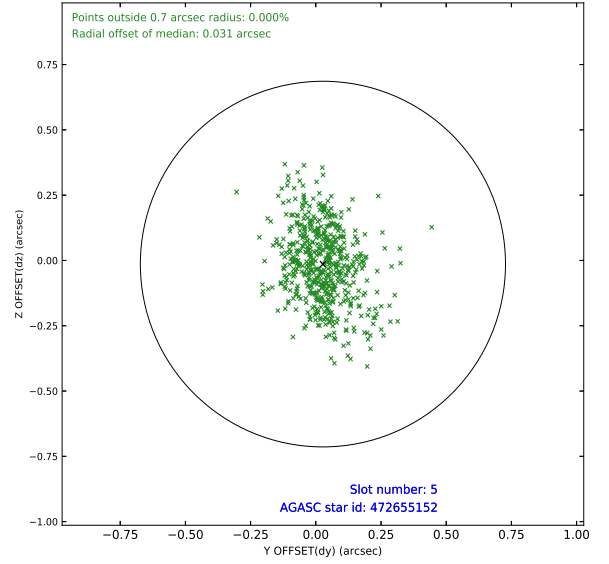
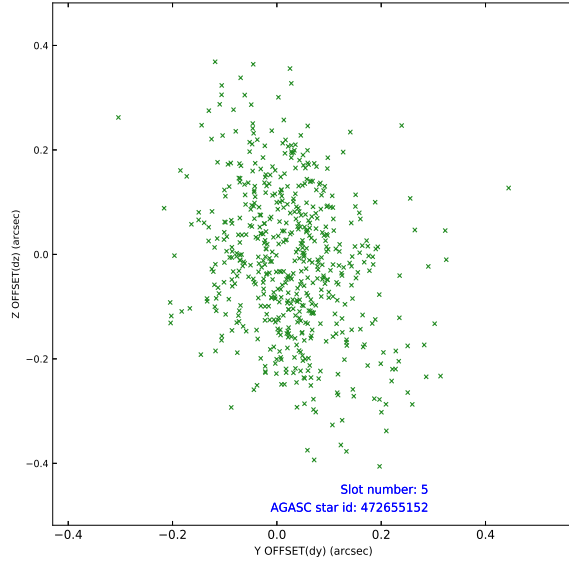
2.4.1 Slot 3



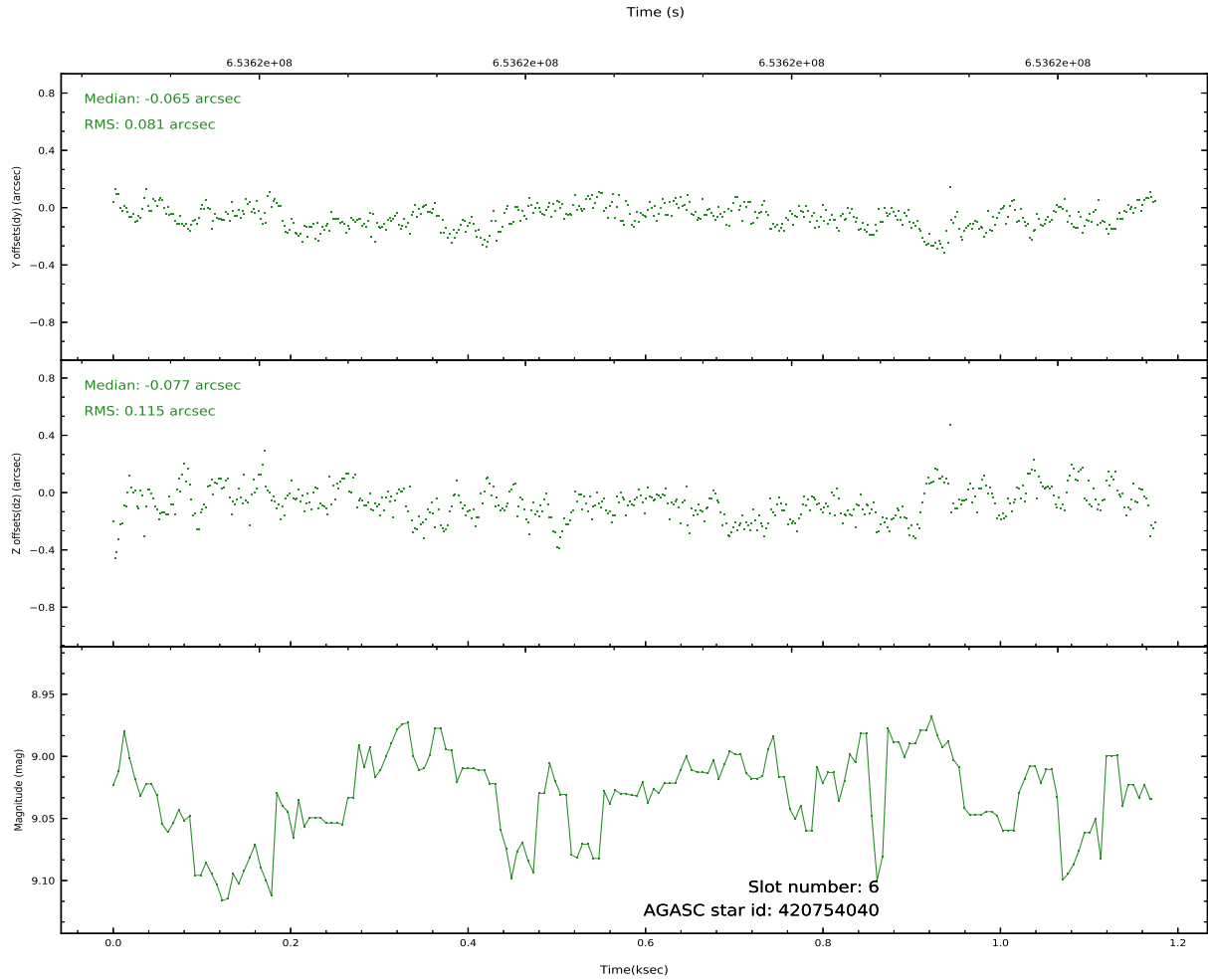
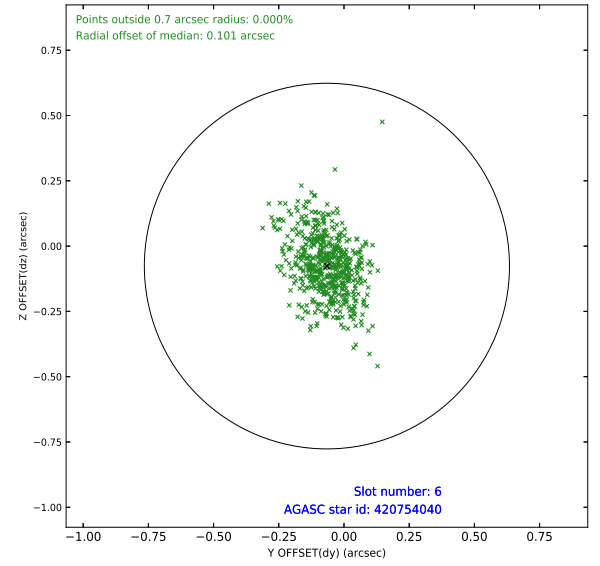
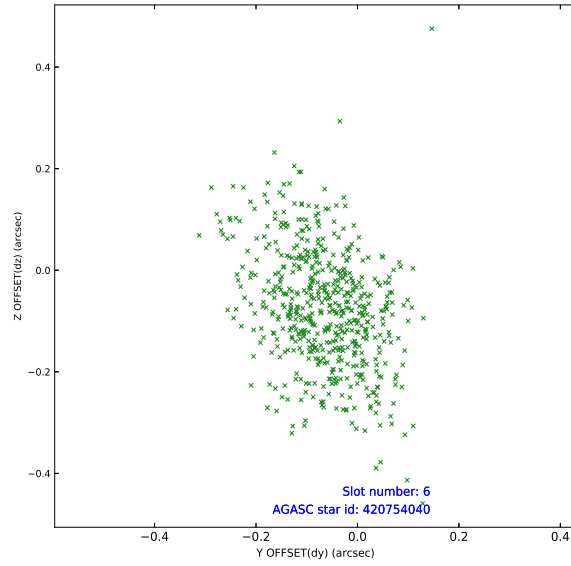
2.4.2 Slot 4



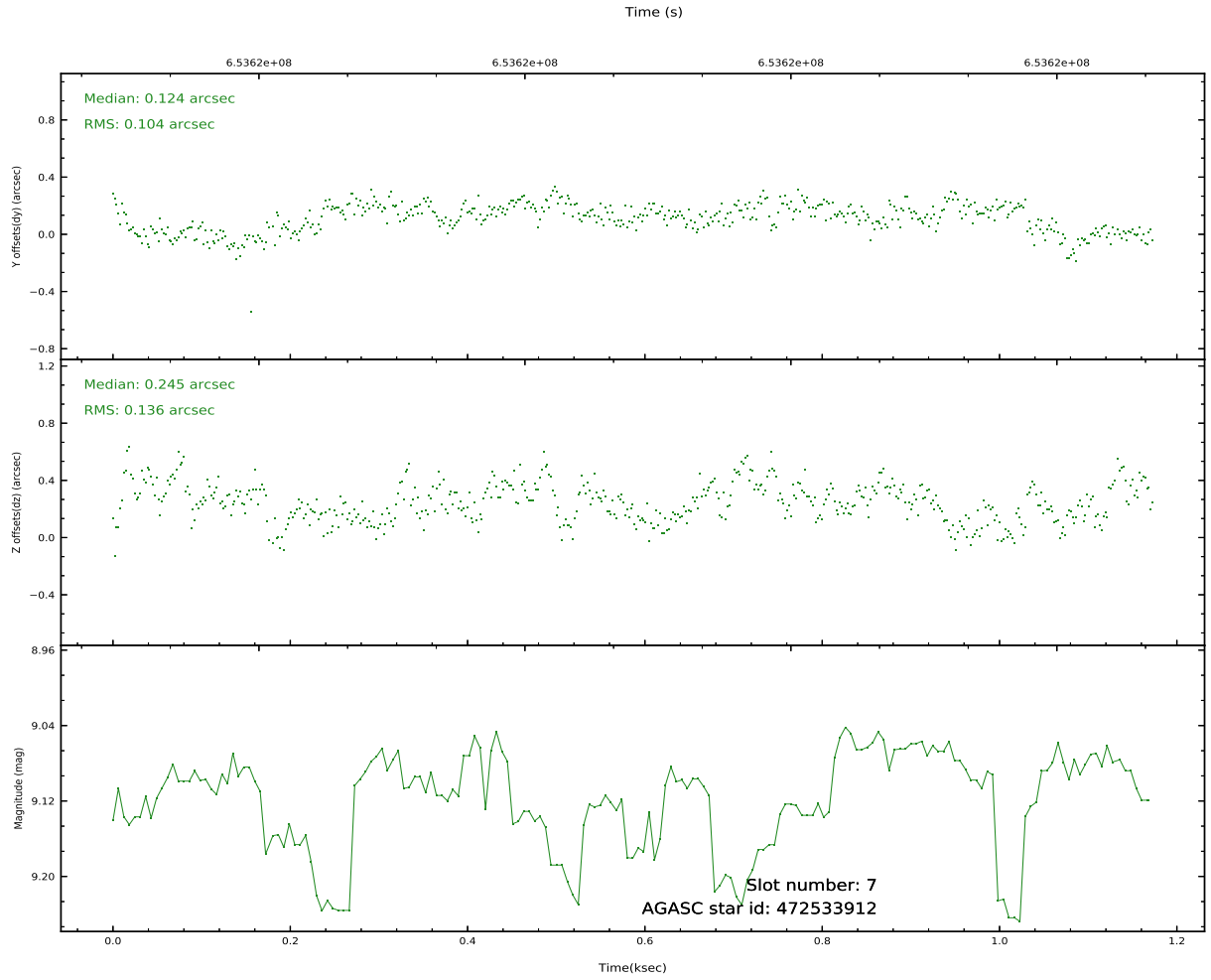
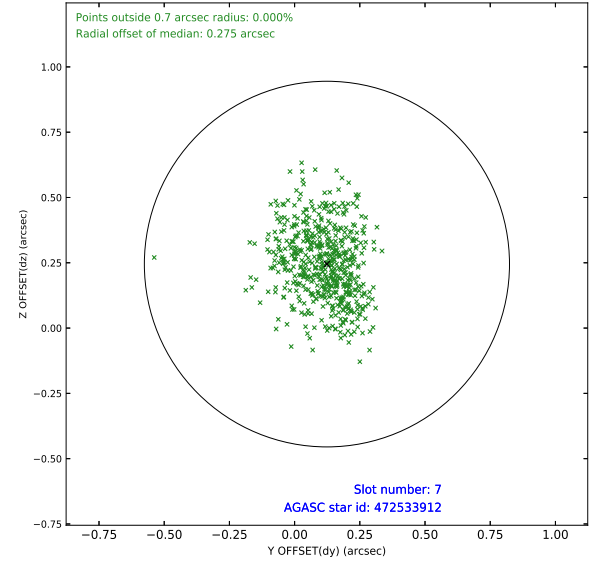
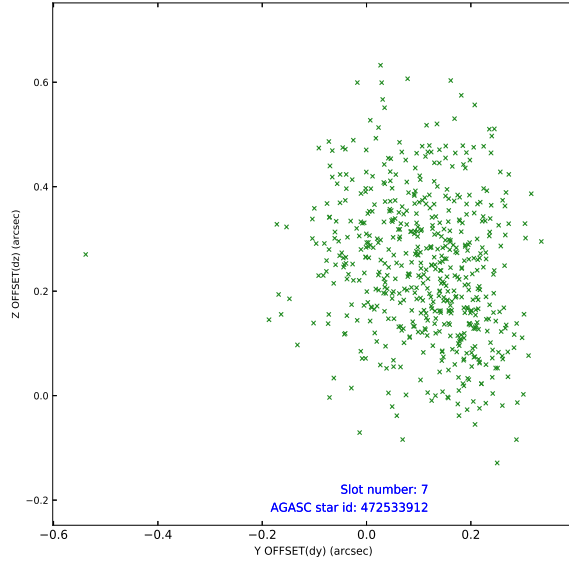
2.4.3 Slot 5



2.4.4 Slot 6

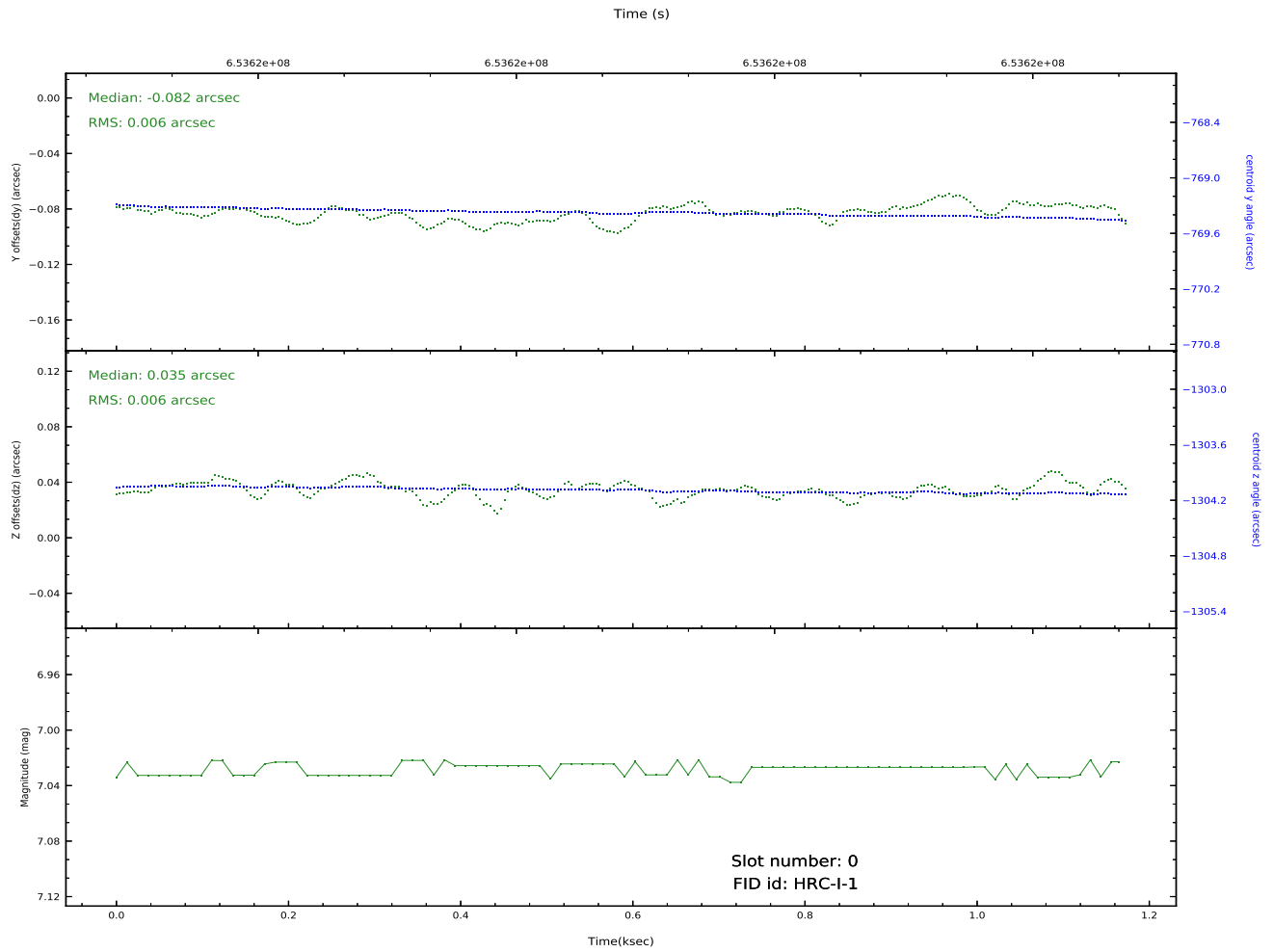
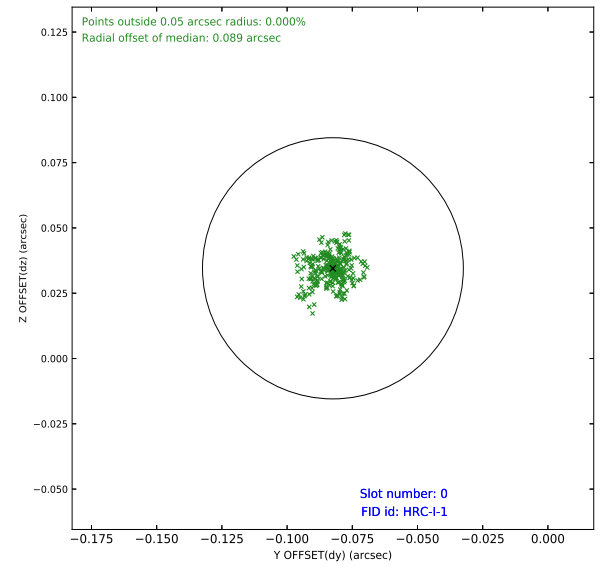
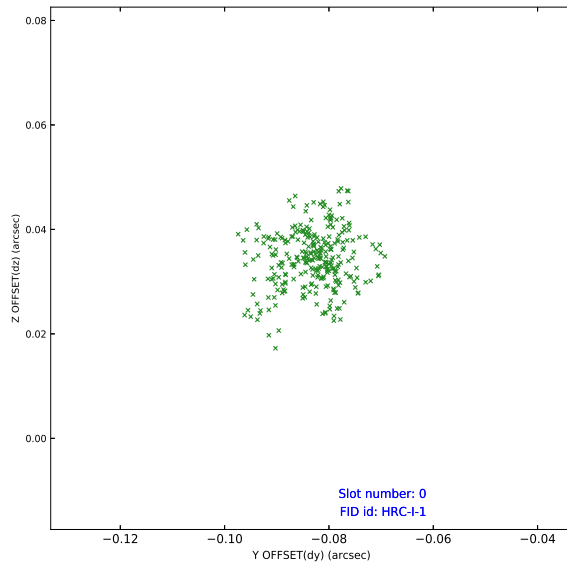


2.4.5 Slot 7

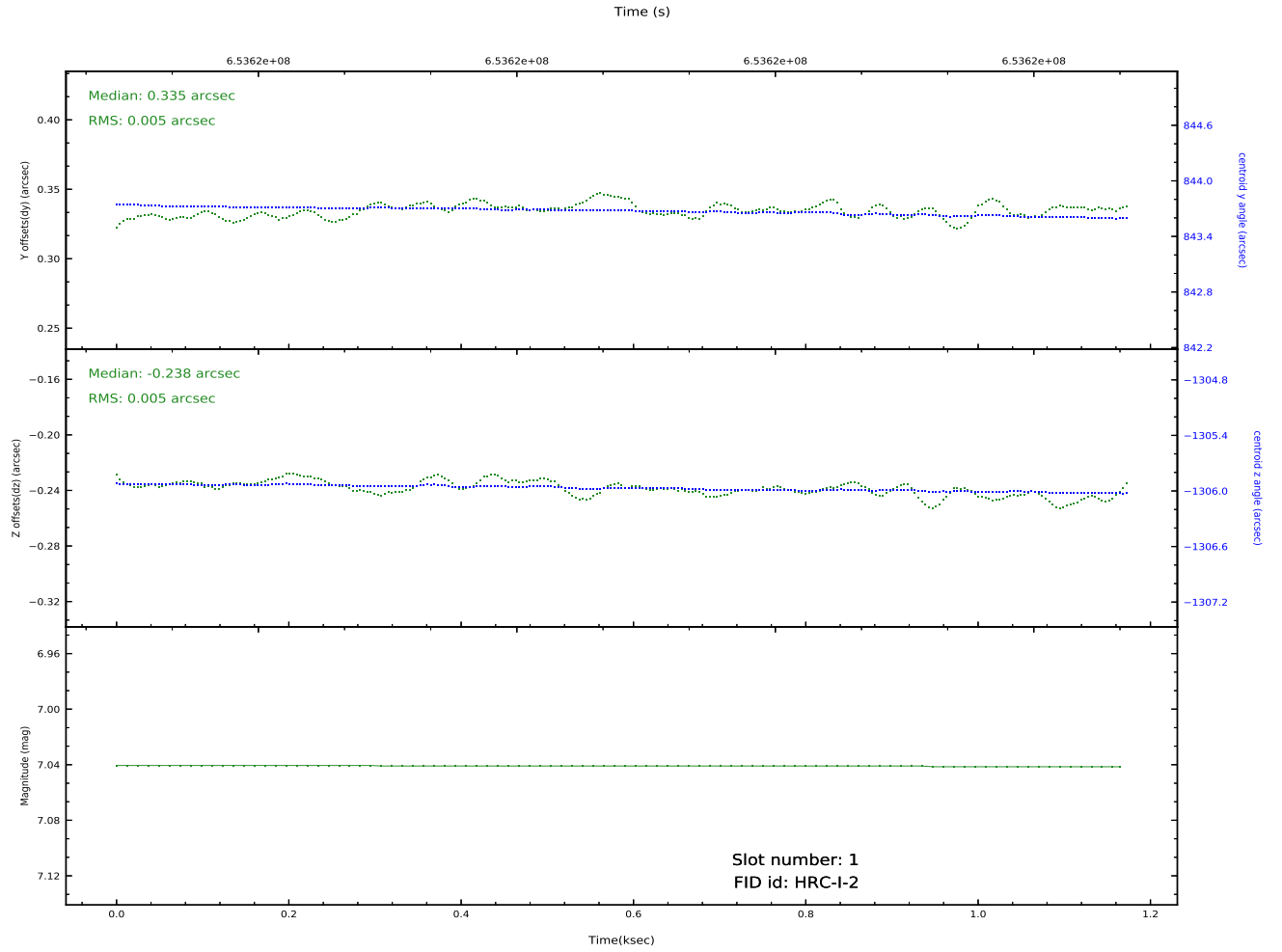
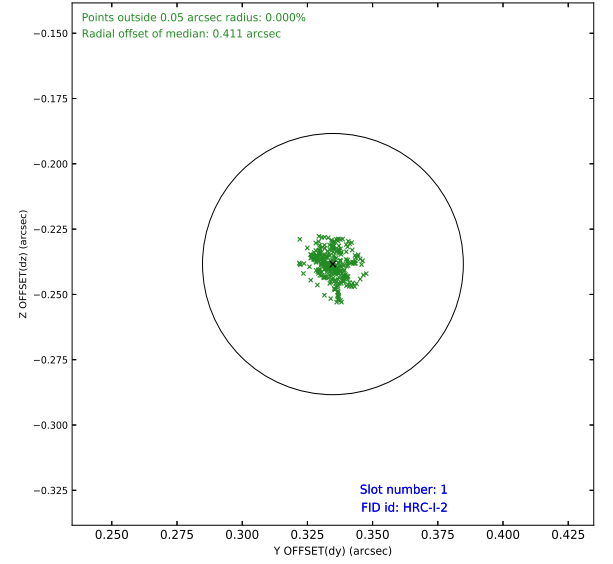
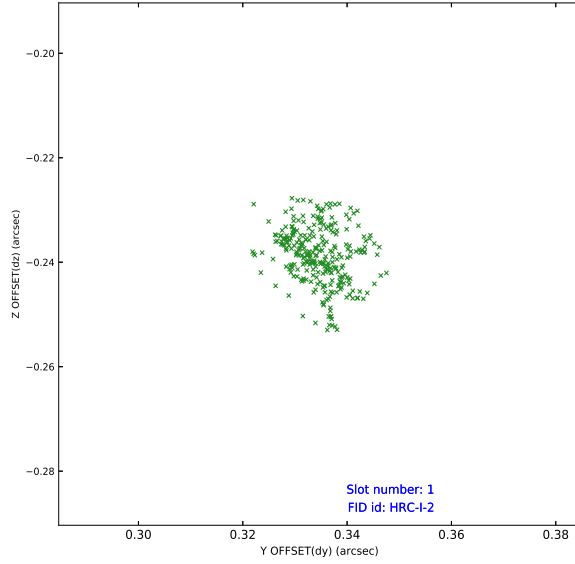


2.5 FID Slots

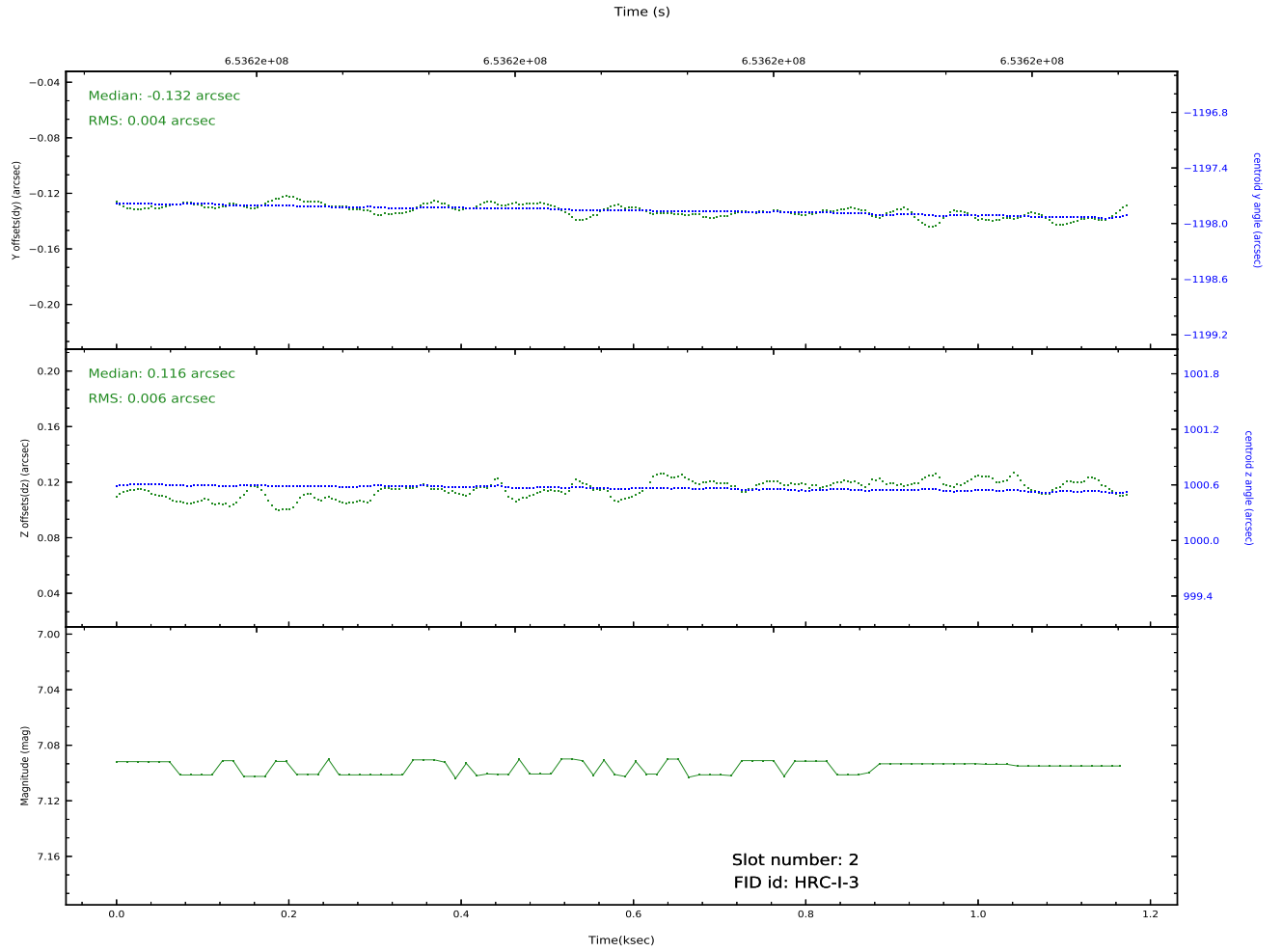
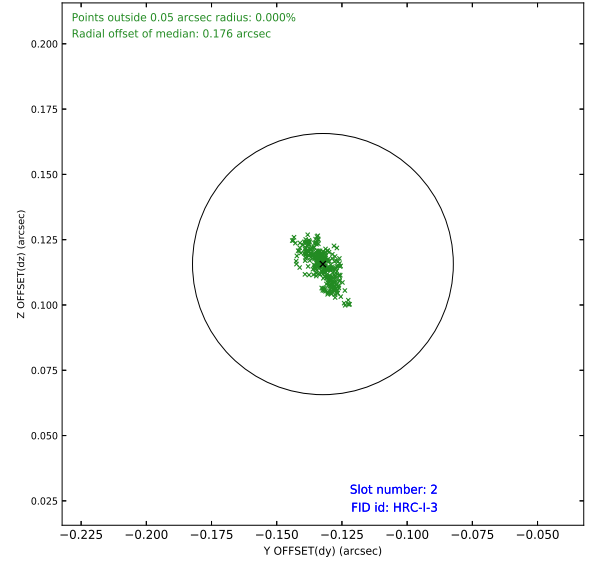
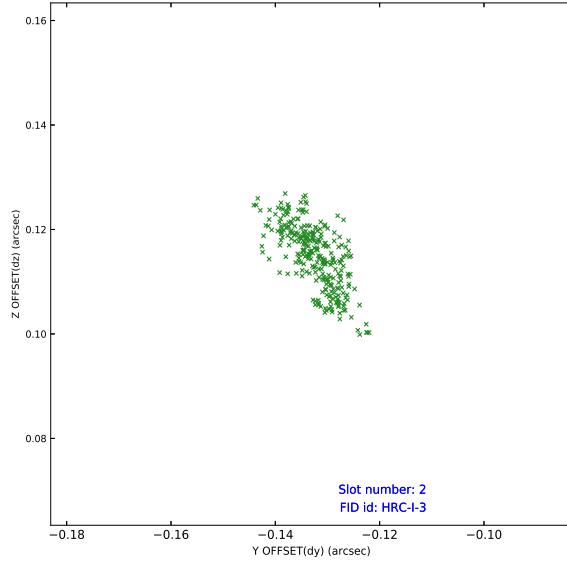
2.5.1 Slot 0



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	1.1738813197613

A.2 Comments