

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20684 - L2 Version 2
Chandra X-Ray Center

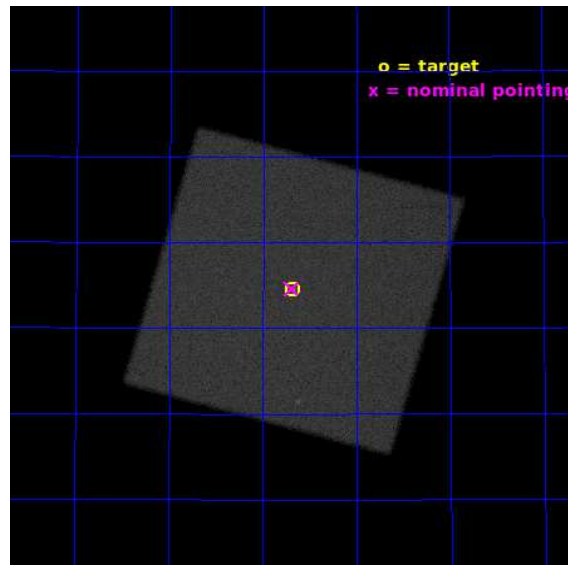
L2 Processing Date : Oct 25 2020

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1 Front

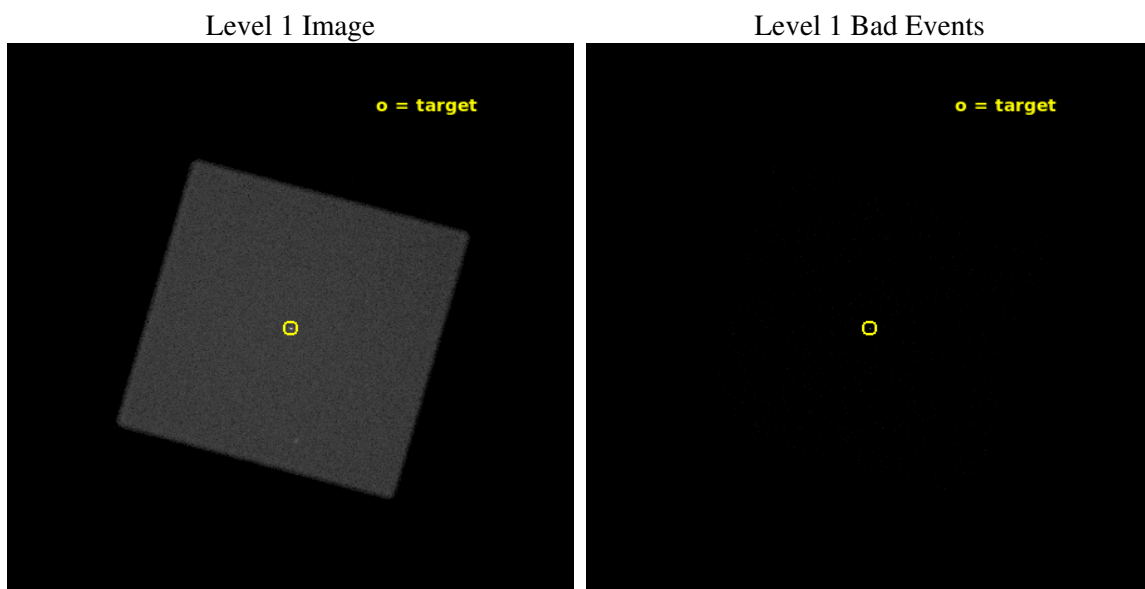
seq_num	291395	Sequence number
obs_id	20684	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17276727645	Nominal RA [deg]
dec_nom	45.743870003241	Nominal Dec [deg]
roll_nom	60.602352570141	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5134.4815431833	[s]
livetime	5055.8467853688	Ontime multiplied by DTCOR
l2events	618126	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	5134.4815531969	[s]
caldsver	4.9.3	 	l1events	963669	Number of level 1 events
date	2020-10-25T11:45:08	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

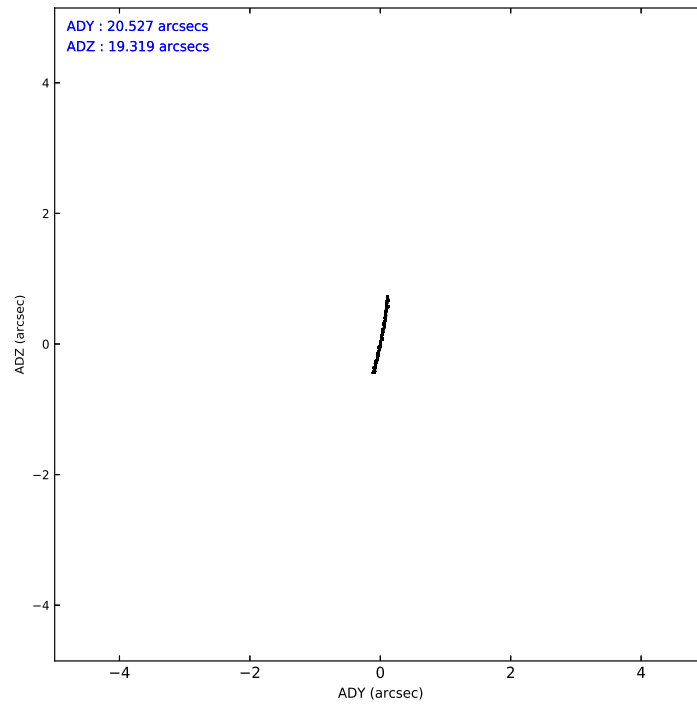
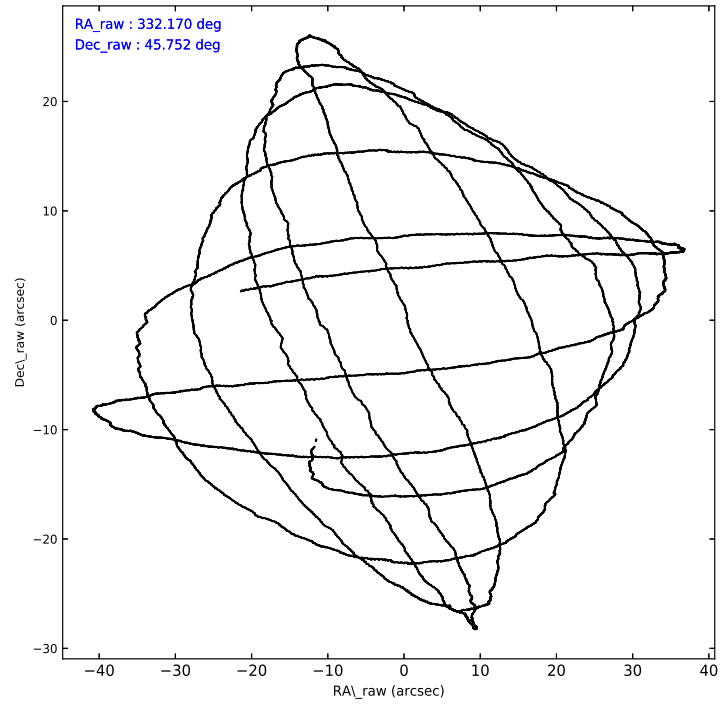
	segment 0
level 1 events	963669
rejected events	155514
rejected %	16%

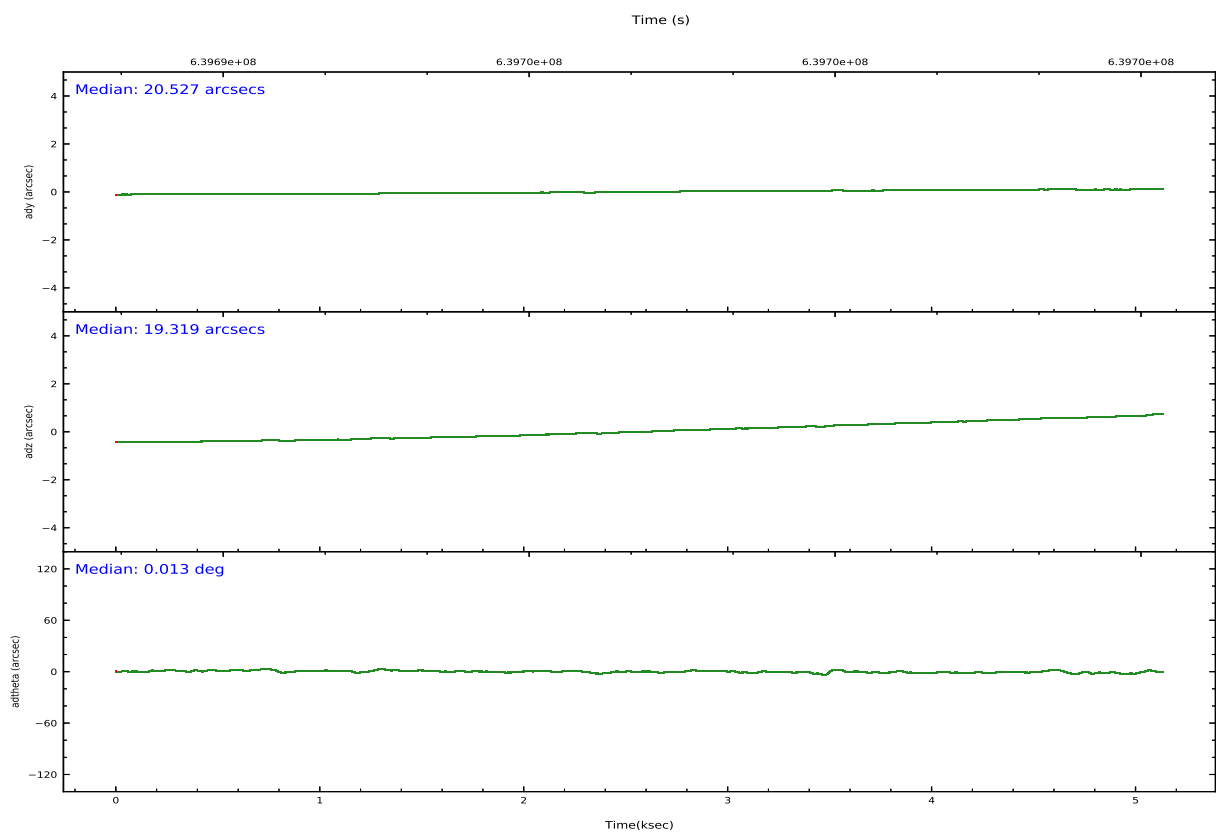
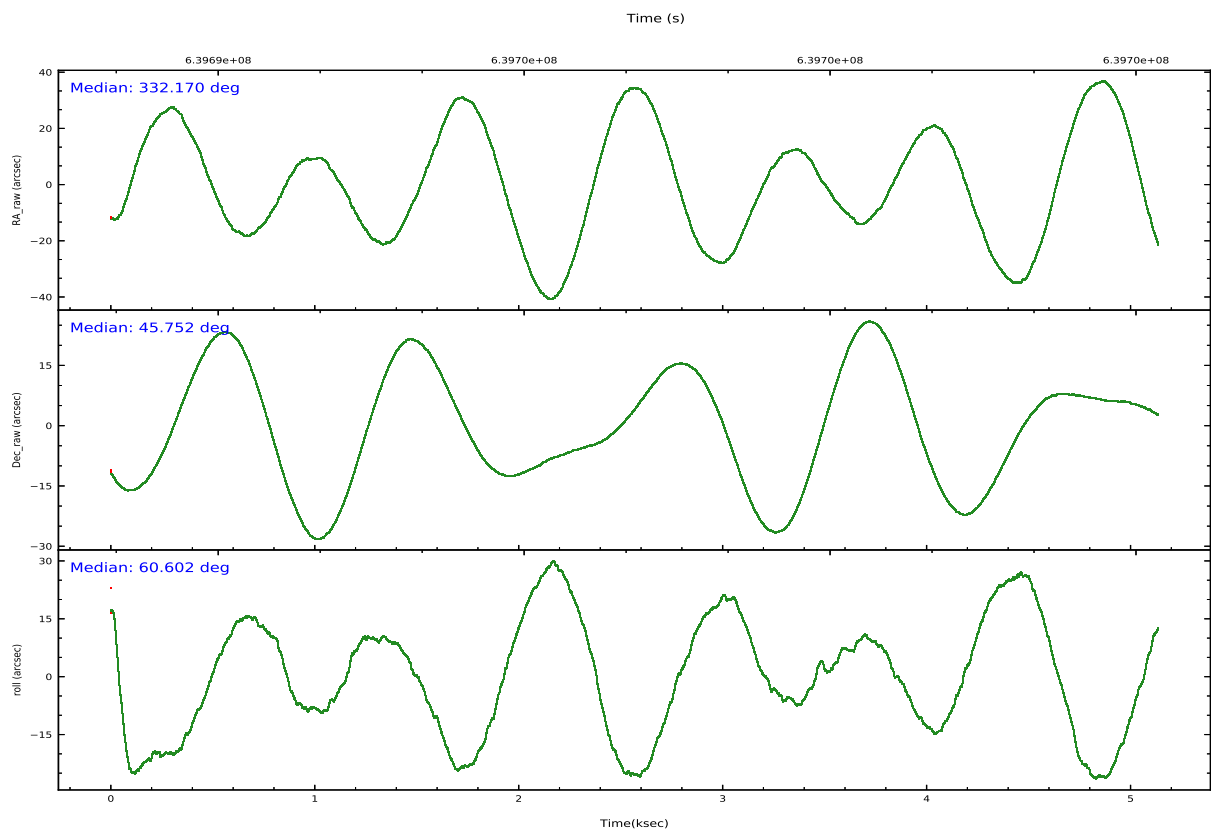
2.2 Compared Parameters

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	332.170789	332.17276727645
[deg] Pointing Dec	45.724342	45.743870003241
[deg] Pointing Roll	60.713998	60.602352570141
[s] Window start time (MET)	633830469.184000	633830469.184000
[s] Window stop time (MET)	641433669.184000	641433669.184000
[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)	639693609.184000	639692502.2552299
Observation start date	2018-04-09T20:39:00	2018-04-09T20:21:42
[s] Observation end time (MET)	639698609.184000	639699801.28066
Observation end date	2018-04-09T22:02:20	2018-04-09T22:23:21

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

2.3 Aspect



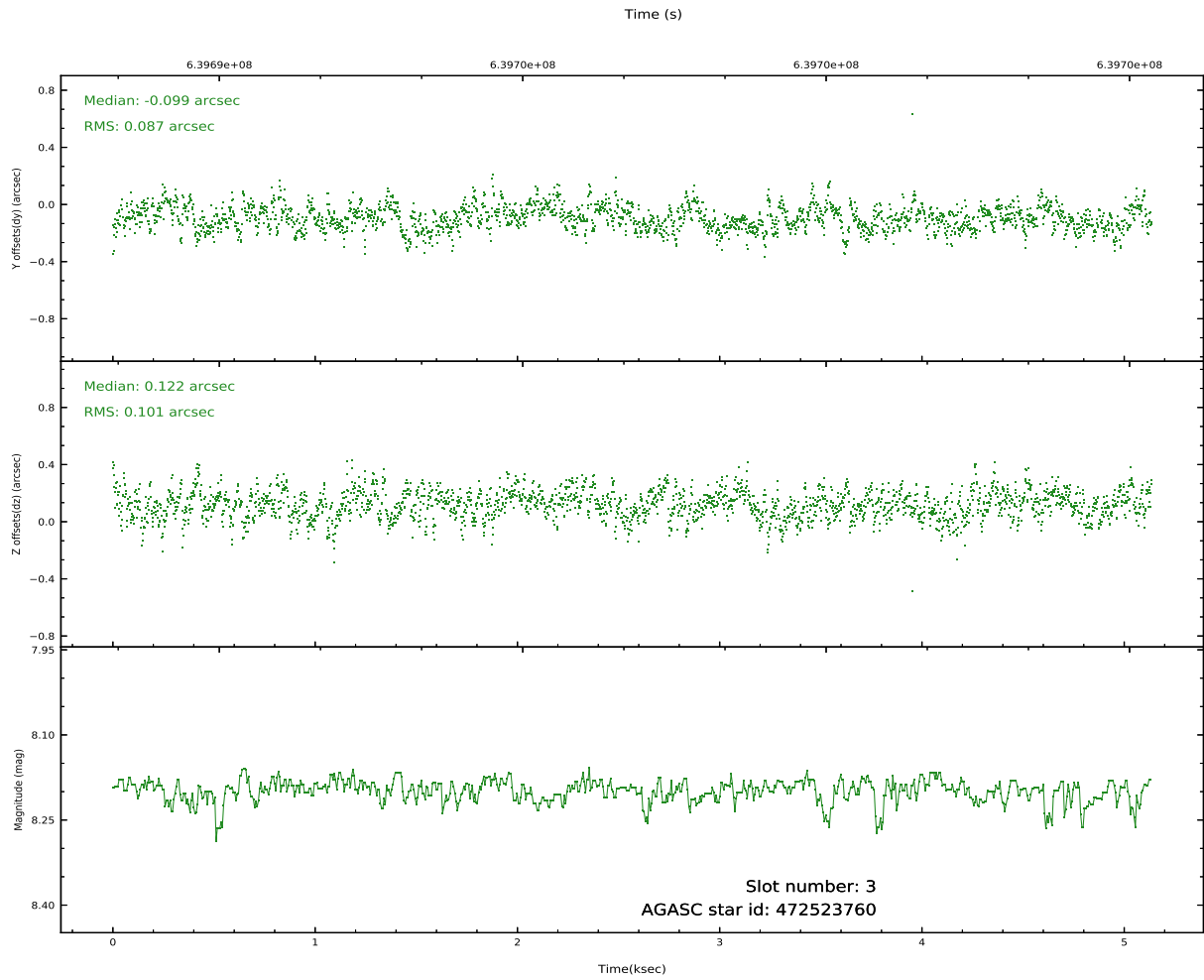
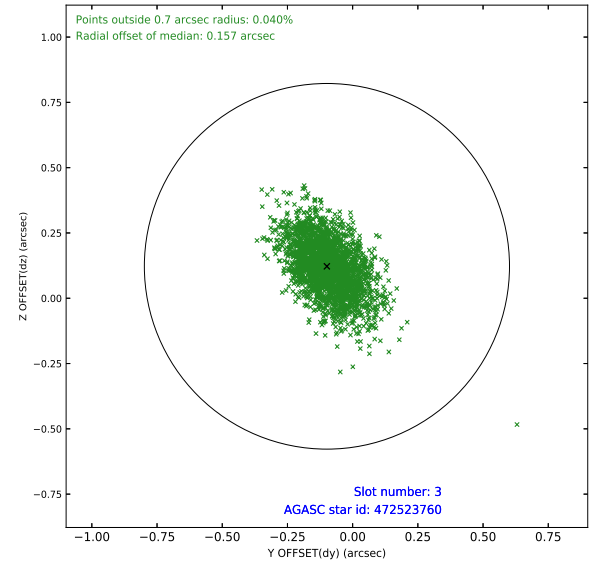
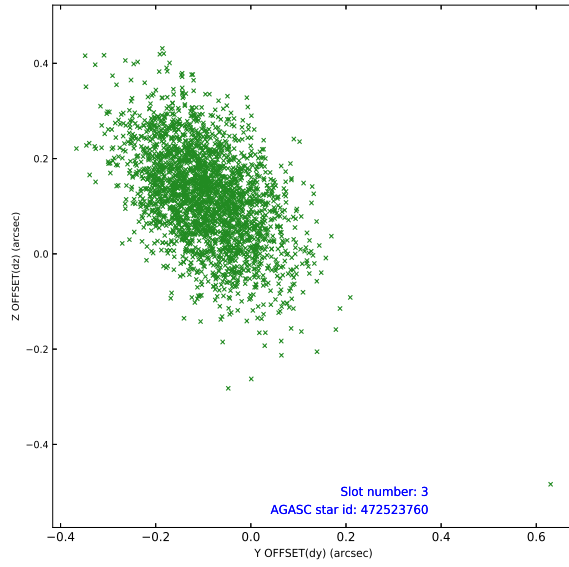


Slot Statistics

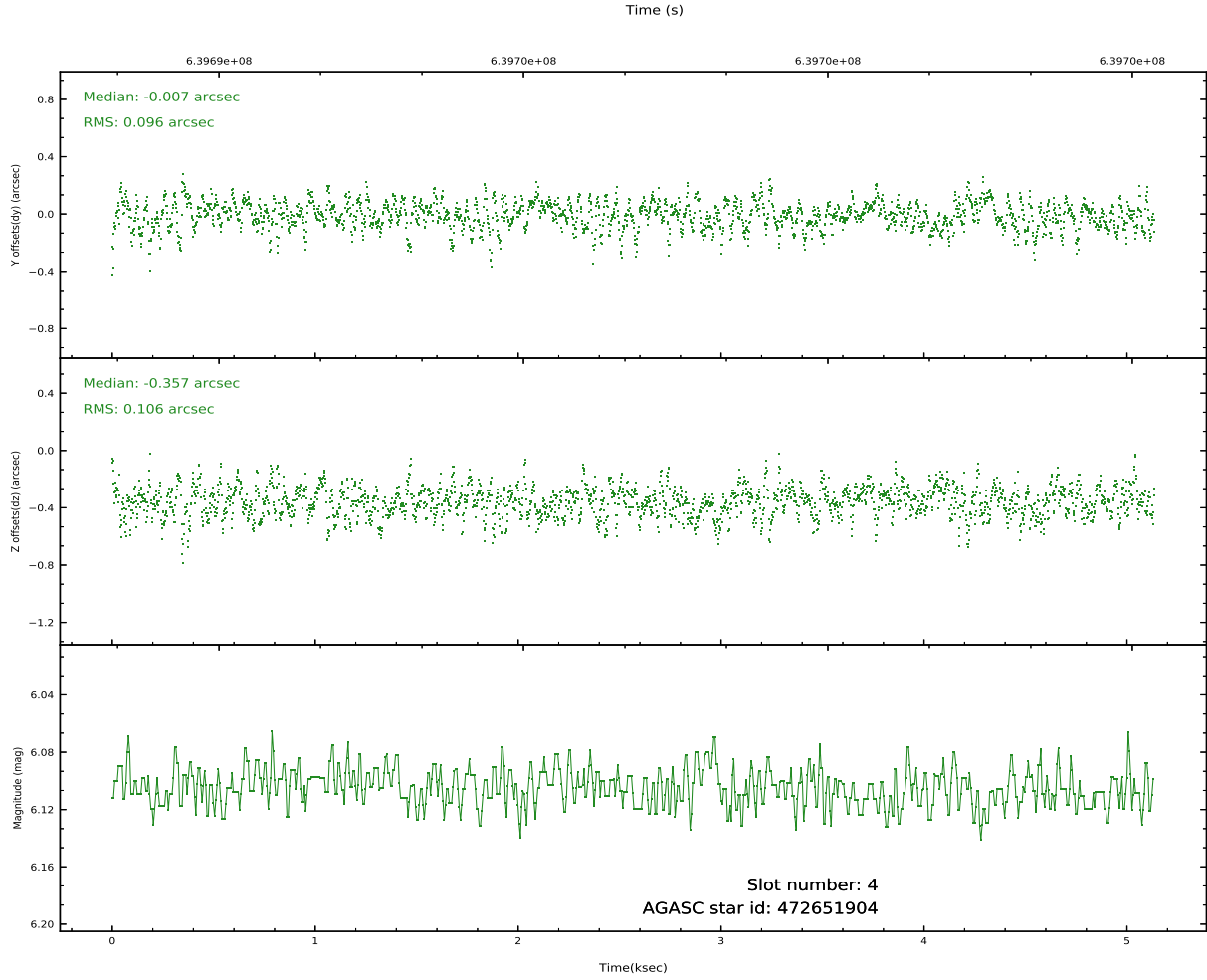
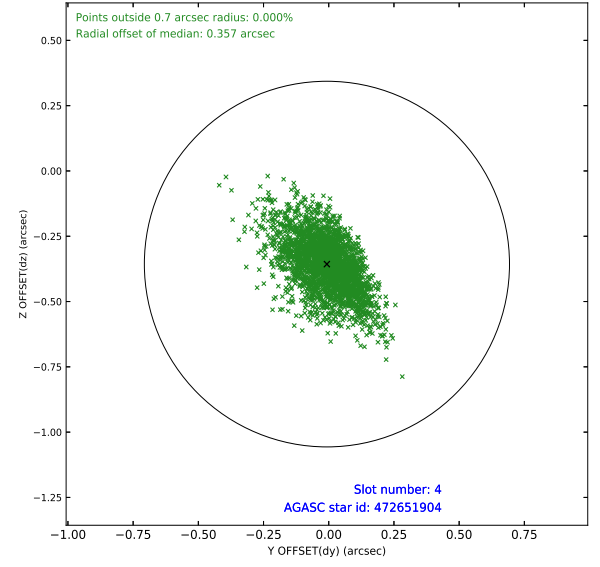
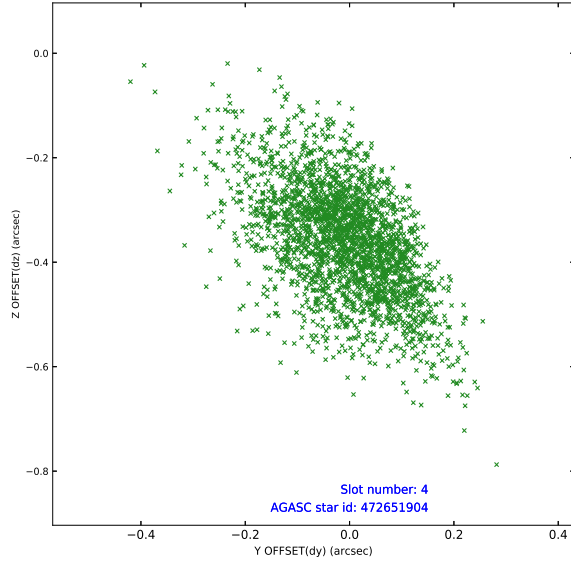
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	1253	1.000	0.204	-0.119	0.015	0.031	0.000000	0.000000	836.26	-1309
1	FID		HRC-I-3	7.07	1253	1.000	-0.213	0.140	0.013	0.027	0.000000	0.000000	-1204.45	996
2	FID		HRC-I-4	7.00	1253	1.000	0.130	-0.109	0.017	0.025	0.000000	0.000000	1265.55	995
3	GUIDE	used	472523760	8.20	2506	1.000	-0.099	0.122	0.137	0.237	331.645363	45.403260	-1655.04	596
4	GUIDE	used	472651904	6.11	2506	1.000	-0.007	-0.357	0.144	0.259	332.170077	45.742257	54.32	35
5	GUIDE	used	472655152	9.39	2500	1.000	0.236	0.096	0.218	0.377	332.504239	45.862991	845.29	-483
6	GUIDE	used	472665256	8.97	2503	1.000	-0.042	0.065	0.167	0.280	332.808125	46.195041	2260.02	-552
7	GUIDE	used	472525528	6.62	2504	1.000	-0.090	0.089	0.144	0.261	331.551102	45.248694	-2256.22	535

2.4 Star Slots

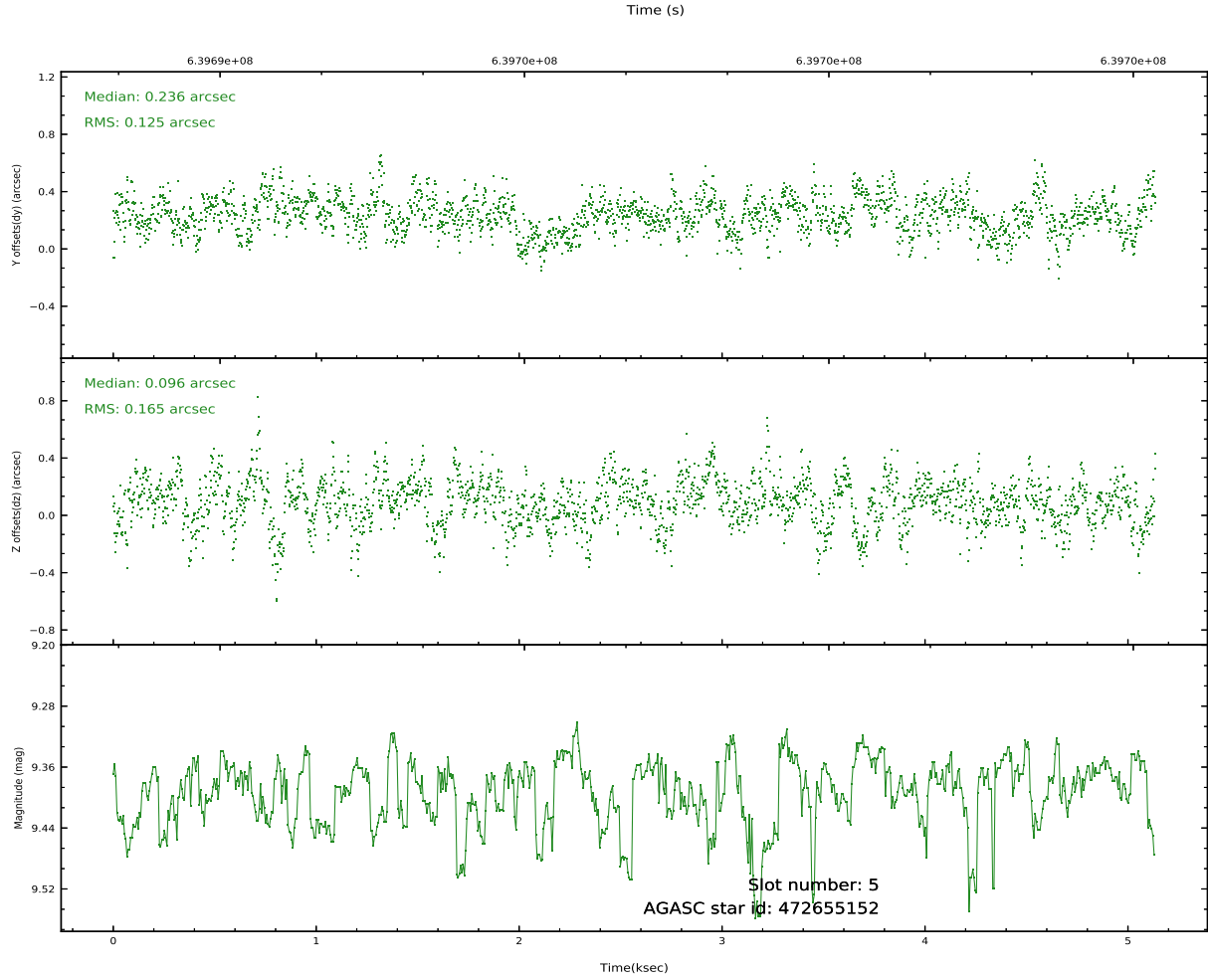
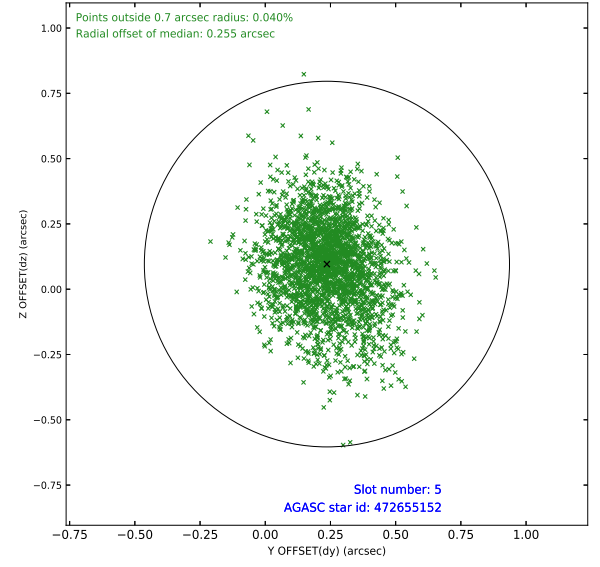
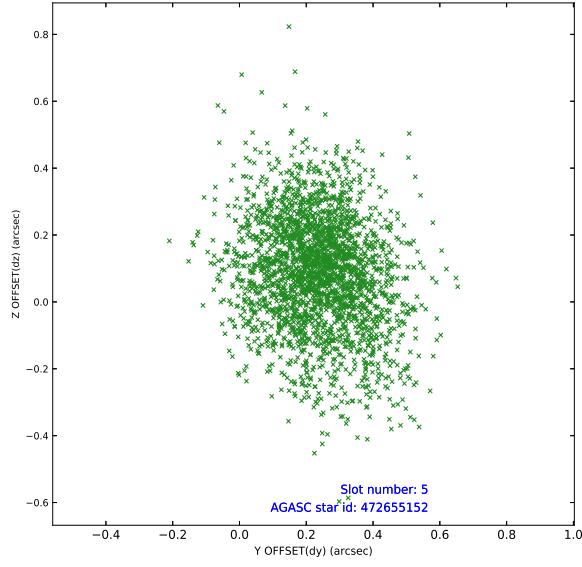
2.4.1 Slot 3



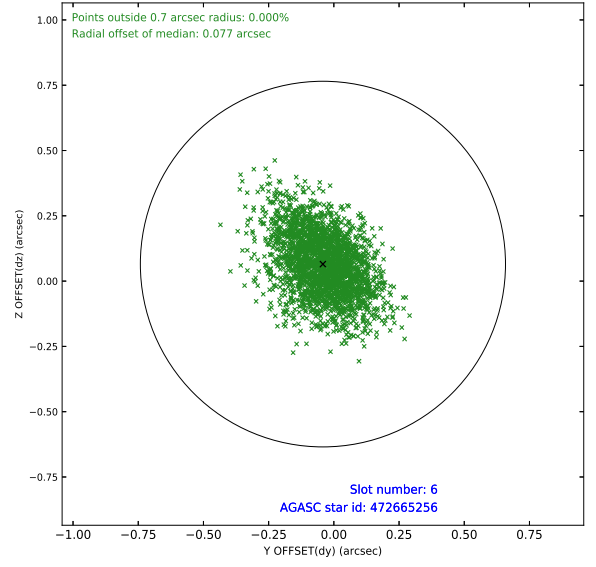
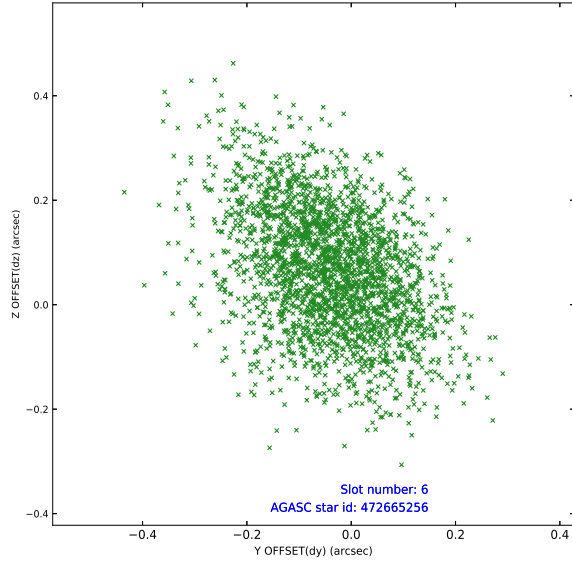
2.4.2 Slot 4



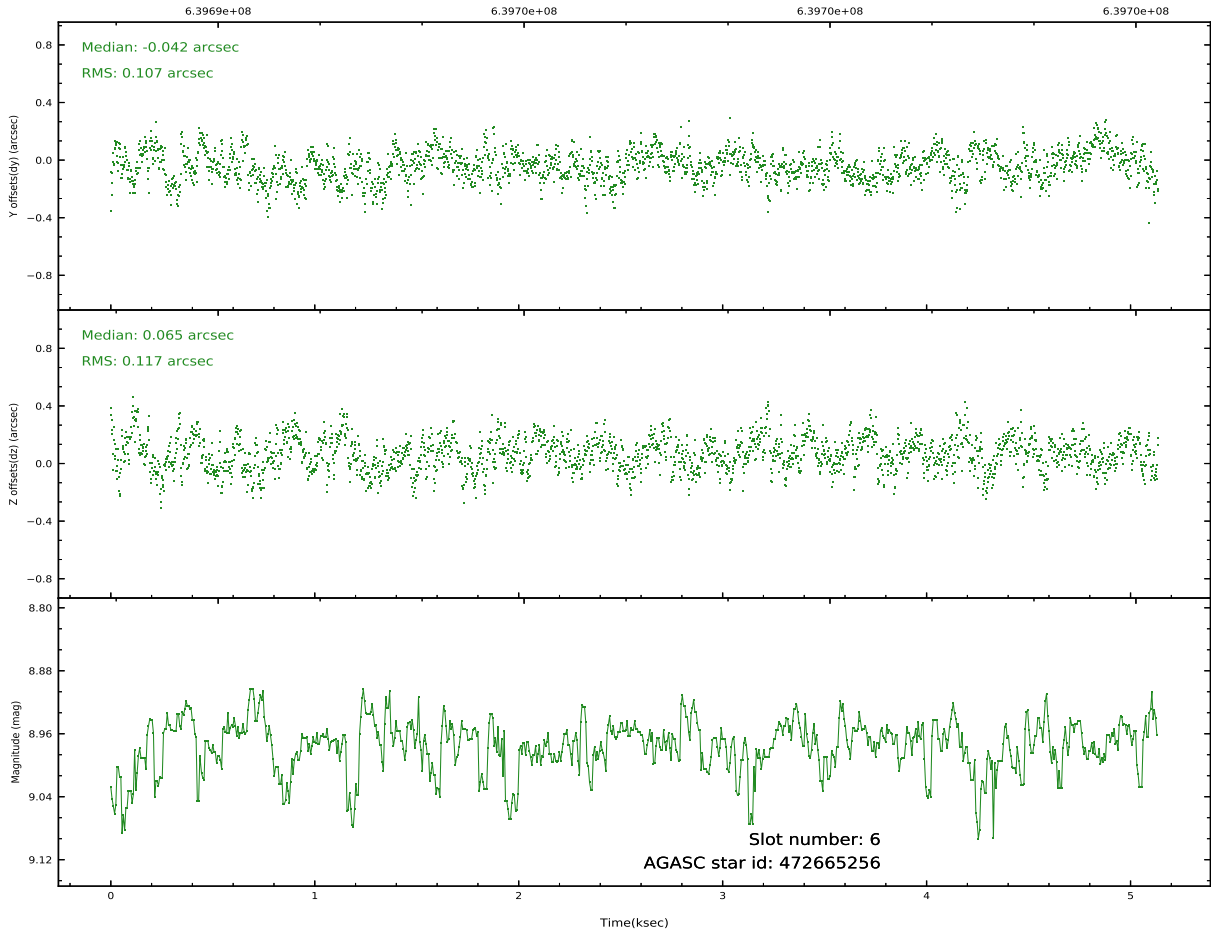
2.4.3 Slot 5



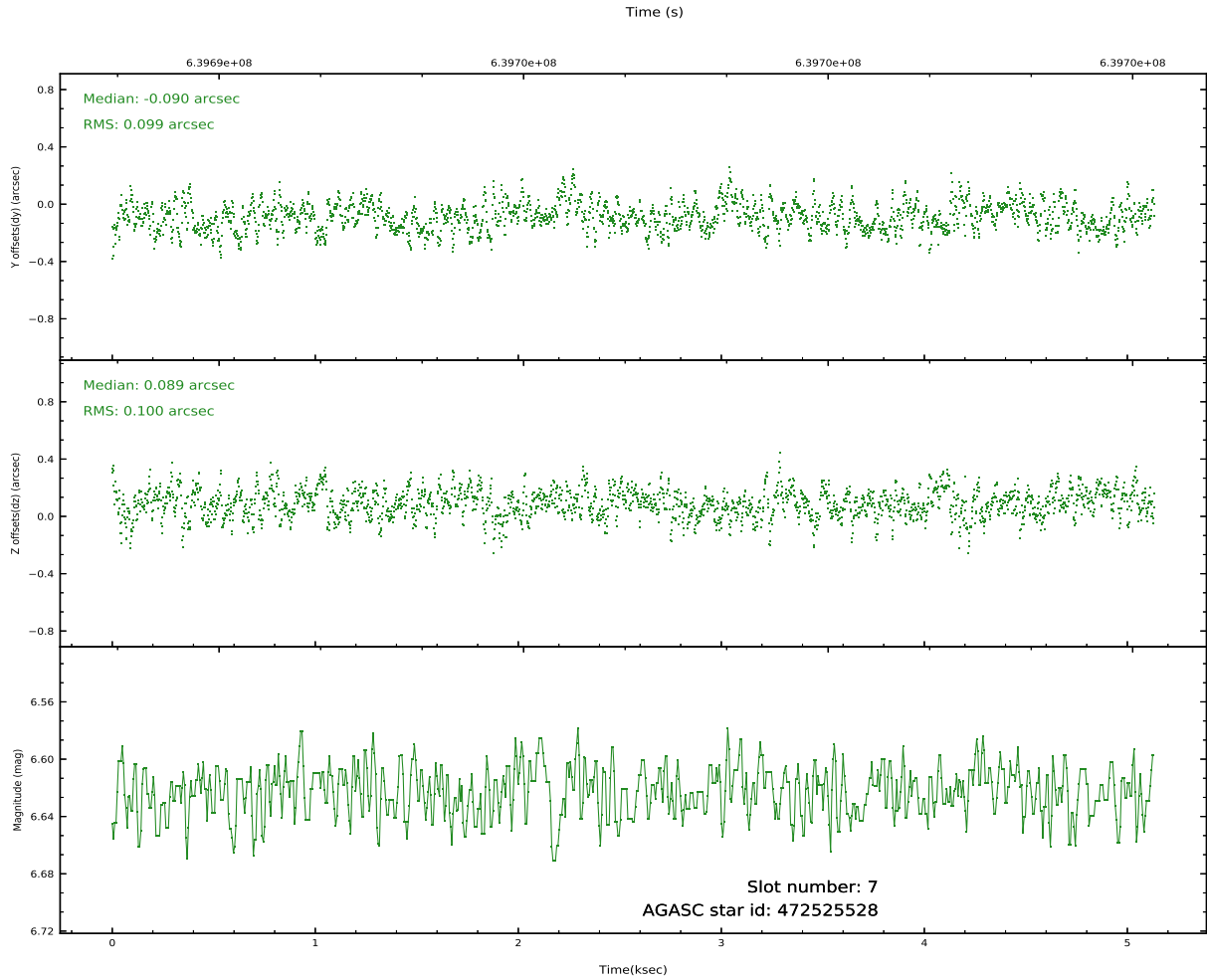
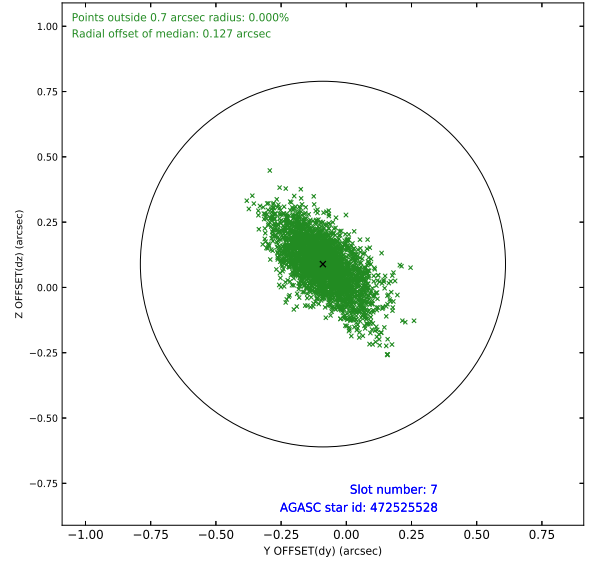
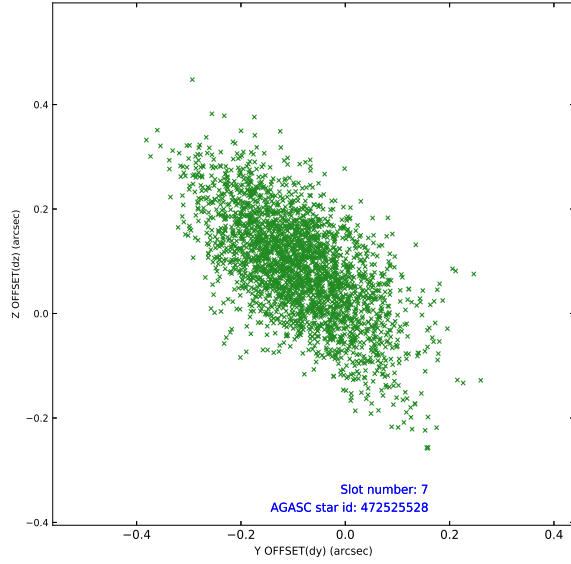
2.4.4 Slot 6



Time (s)

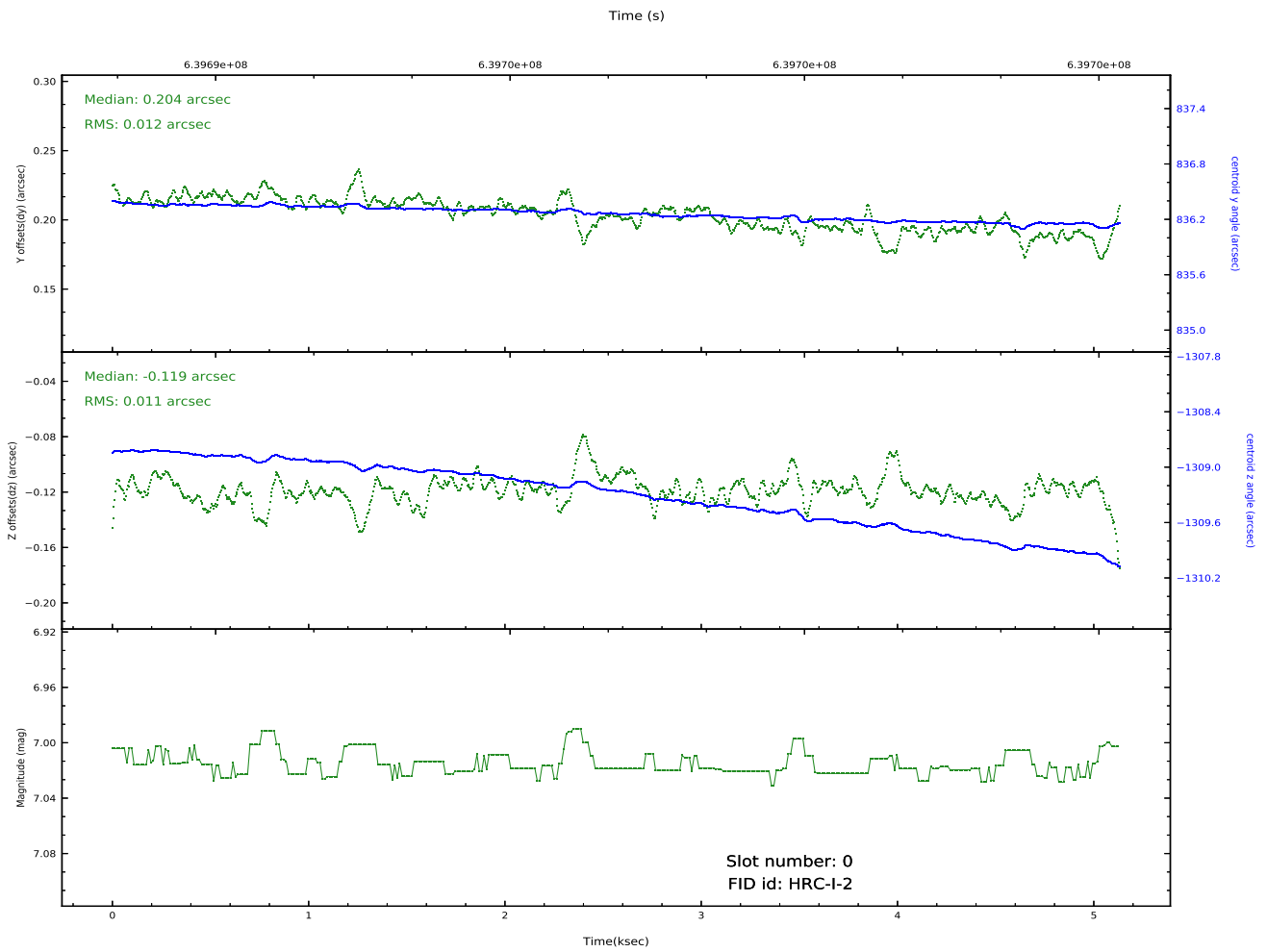
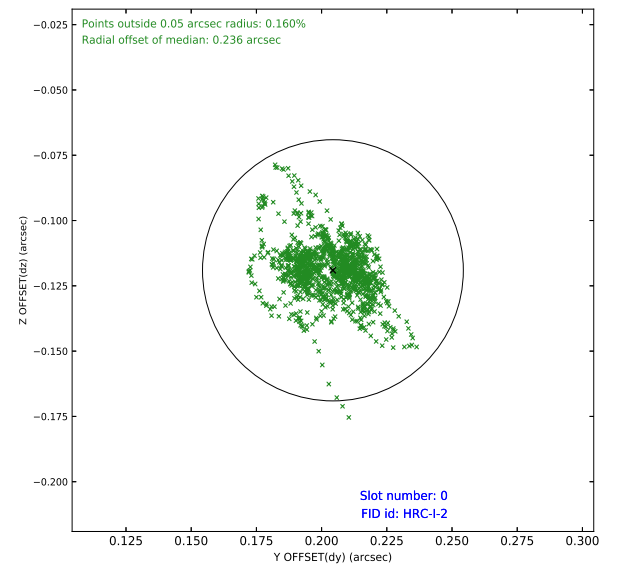
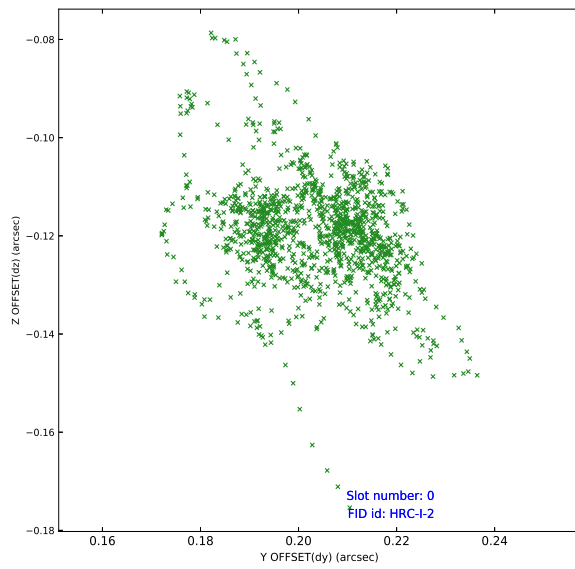


2.4.5 Slot 7

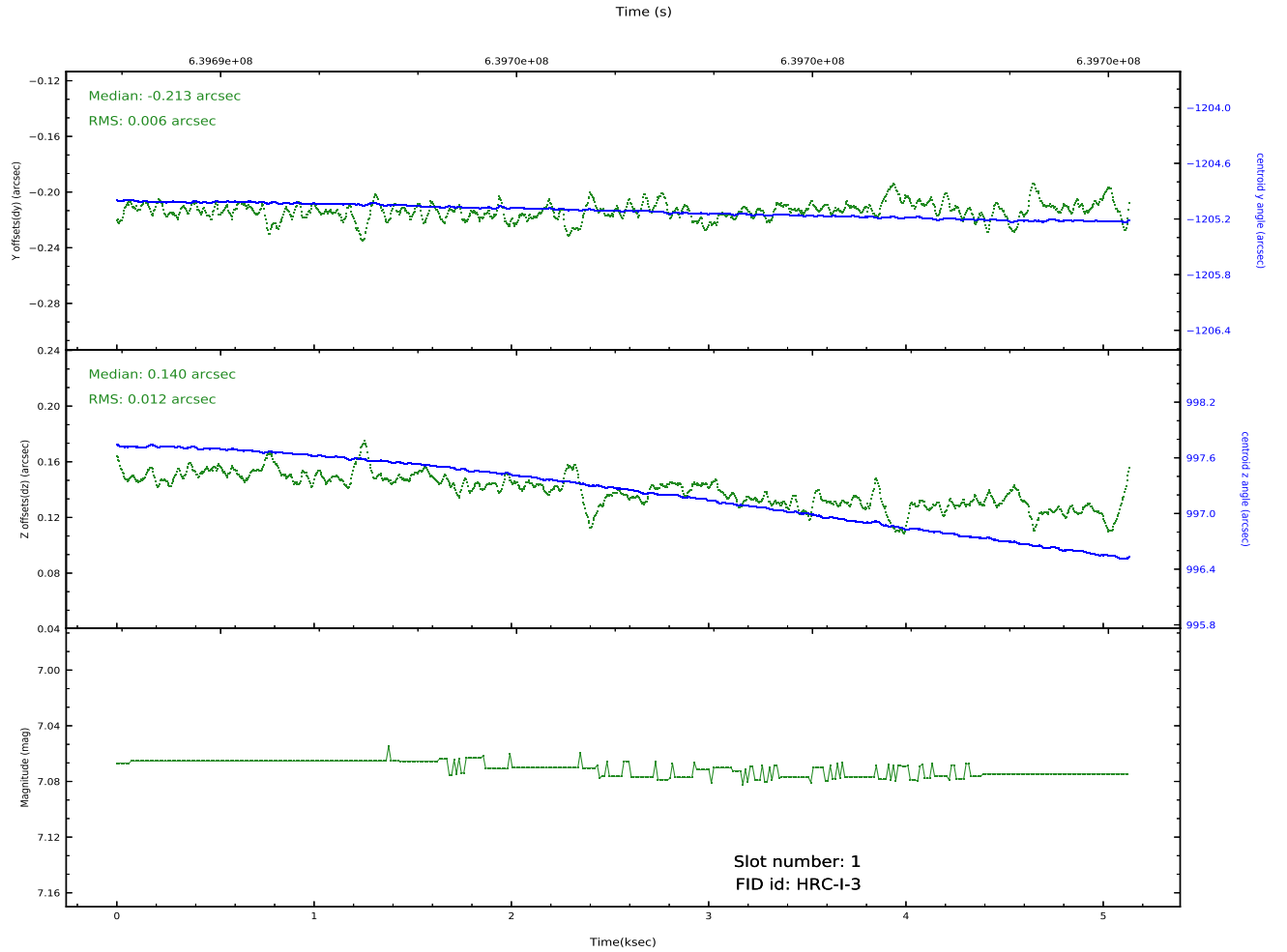
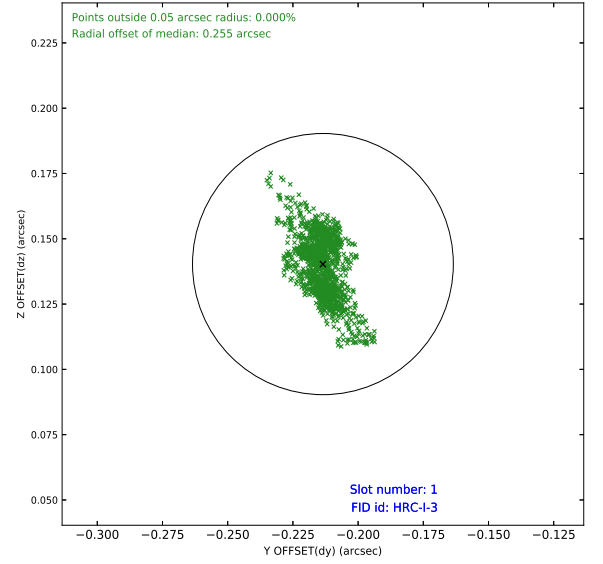
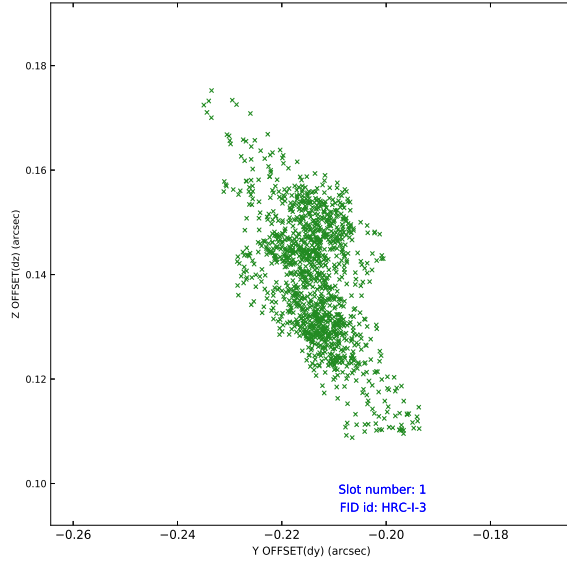


2.5 FID Slots

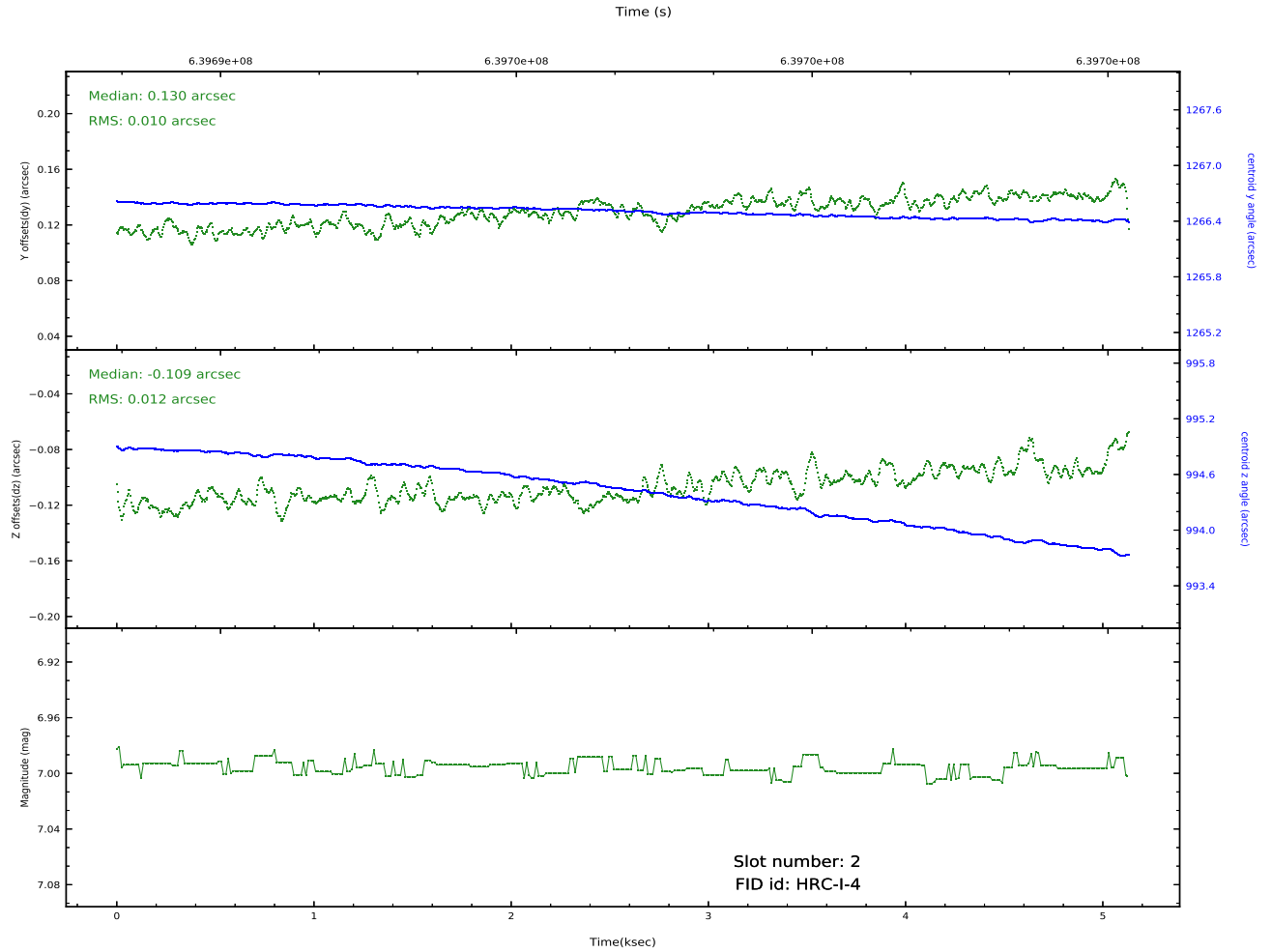
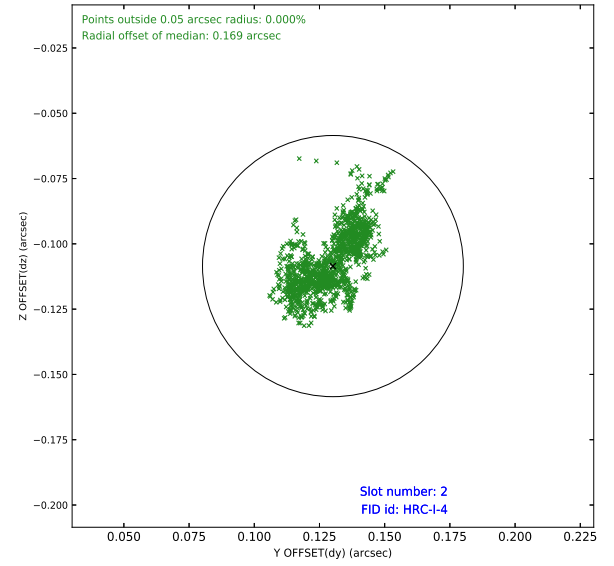
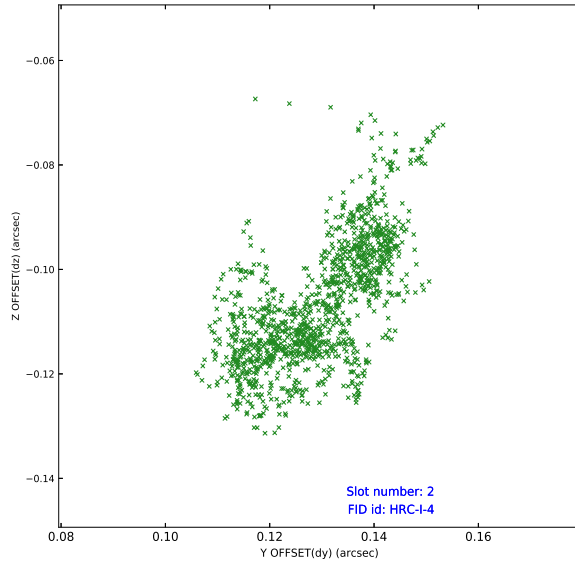
2.5.1 Slot 0



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	5.1344815528393

A.2 Comments

Window constraint met.