

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20673 - L2 Version 2
Chandra X-Ray Center

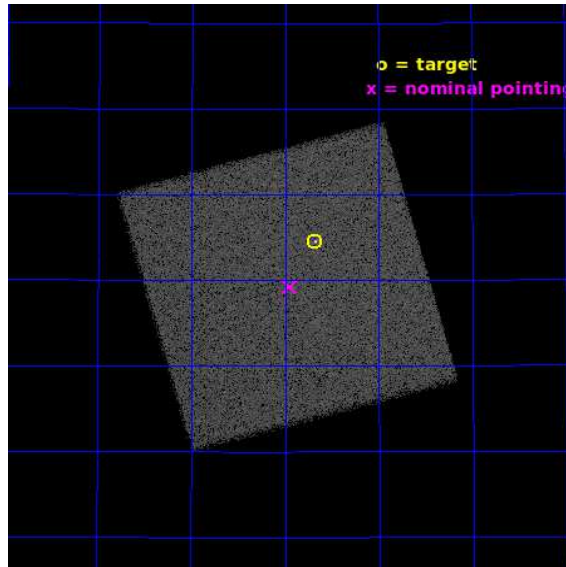
L2 Processing Date : Oct 27 2020

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1 Front

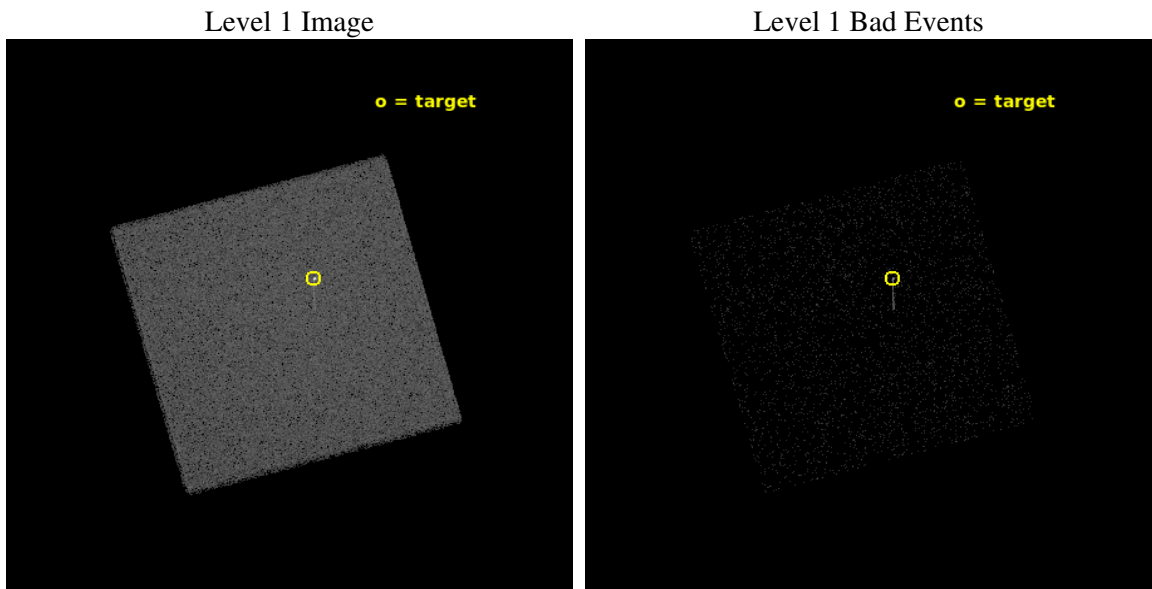
seq_num	291384	Sequence number
obs_id	20673	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23693655373	Nominal RA [deg]
dec_nom	45.654386437152	Nominal Dec [deg]
roll_nom	209.47138624868	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1169.7813196182	[s]
livetime	1153.4214596654	Ontime multiplied by DTCOR
l2events	142651	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	1169.7813196182	[s]
caldbver	4.9.3	 	l1events	242106	Number of level 1 events
date	2020-10-27T19:25:33	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

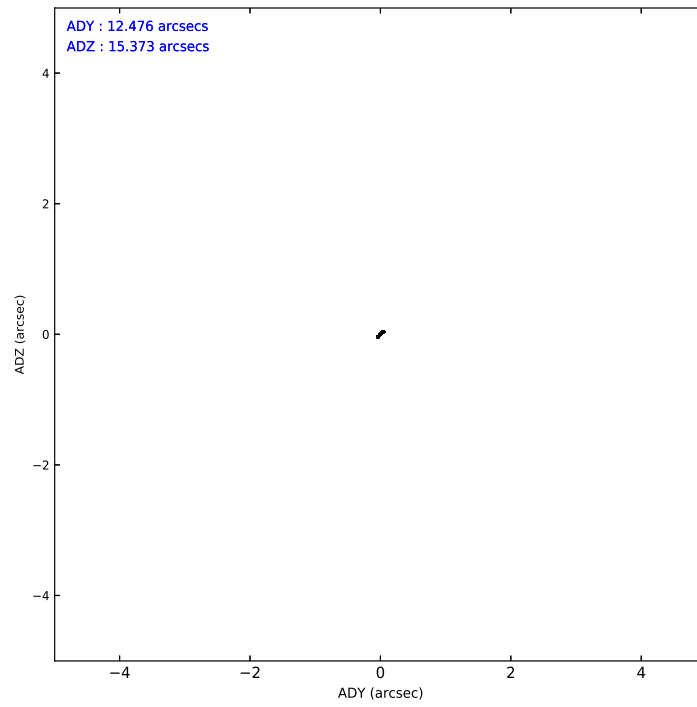
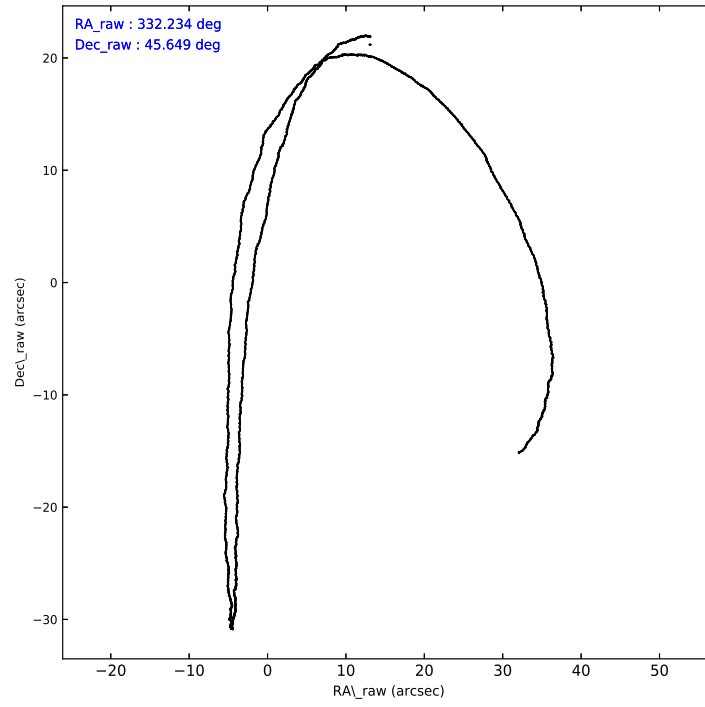
	segment 0
level 1 events	242106
rejected events	54419
rejected %	22%

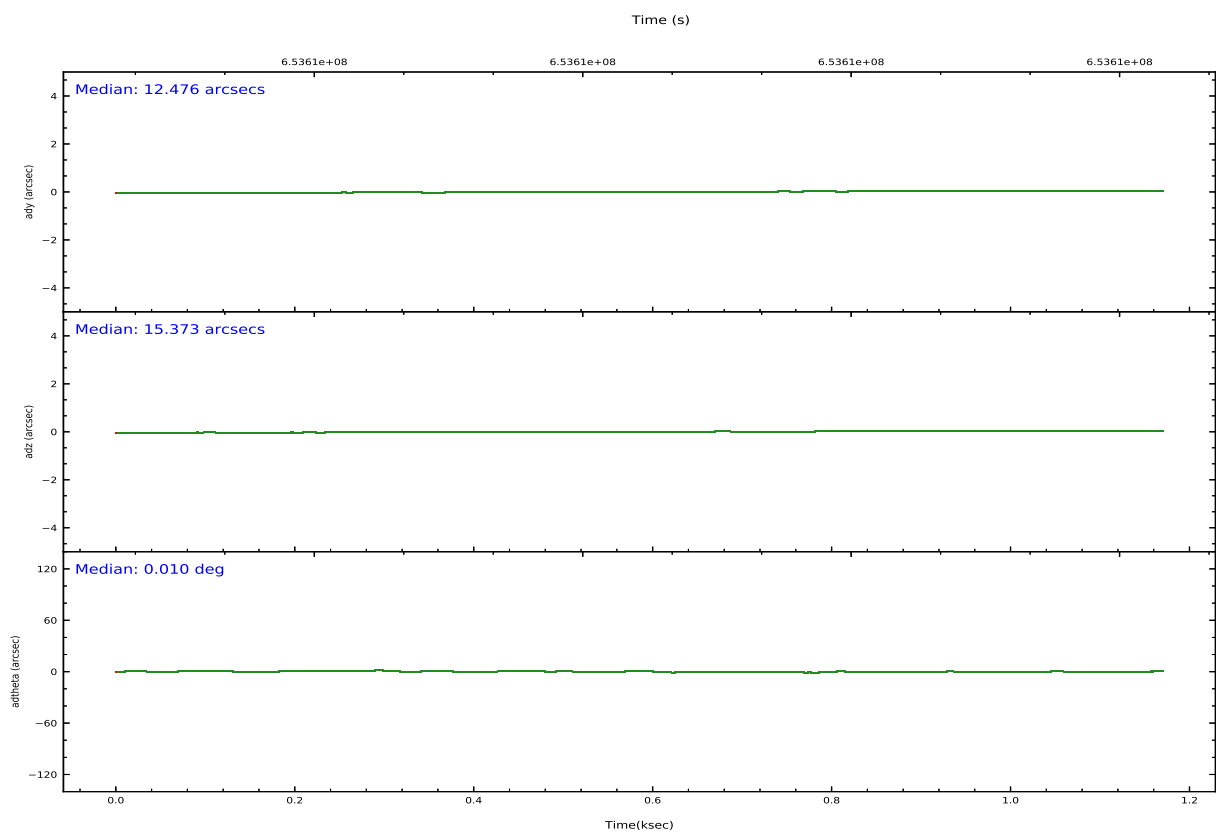
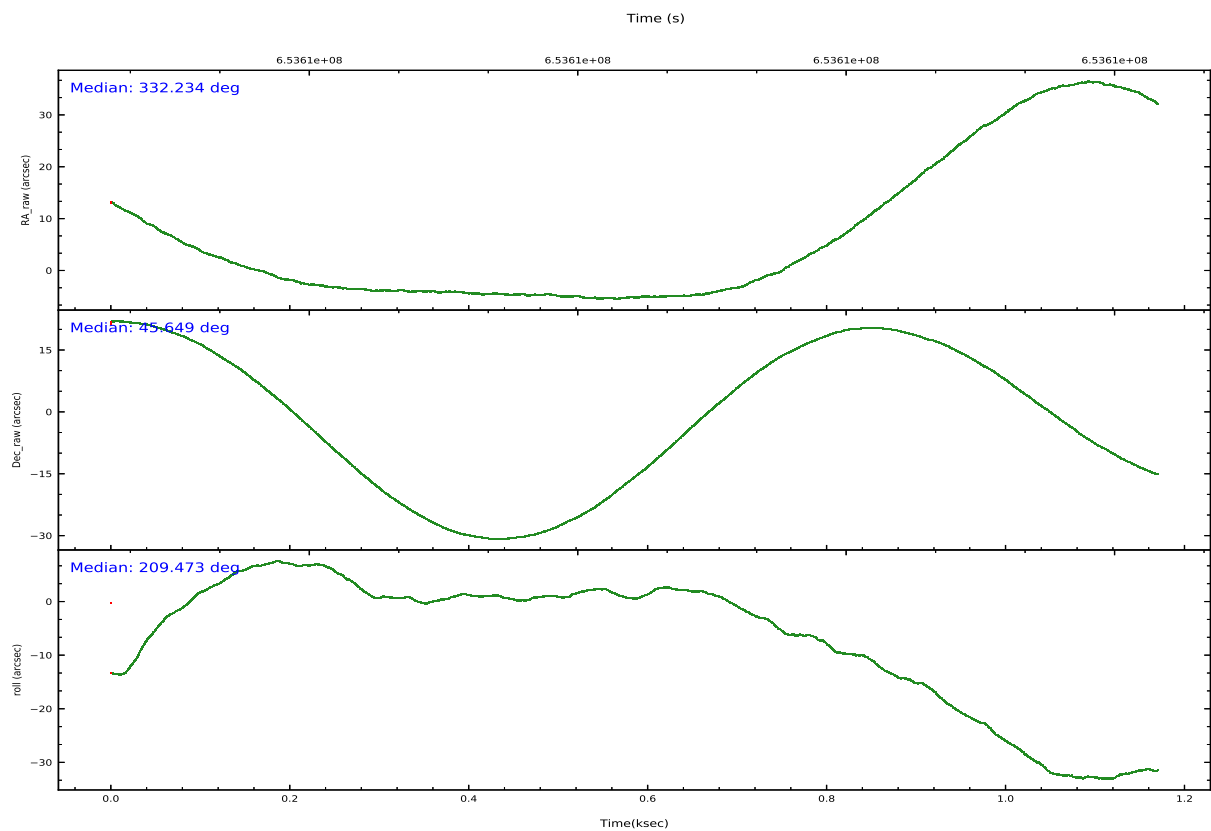
2.2 Compared Parameters

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	332.254515	332.23693655373
[deg] Pointing Dec	45.672171	45.654386437152
[deg] Pointing Roll	209.565768	209.47138624868
[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)	653606750.184000	653606373.77911
Observation start date	2018-09-17T21:24:41	2018-09-17T21:19:33
[s] Observation end time (MET)	653607750.184000	653607884.1167001
Observation end date	2018-09-17T21:41:21	2018-09-17T21:44:44

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

2.3 Aspect



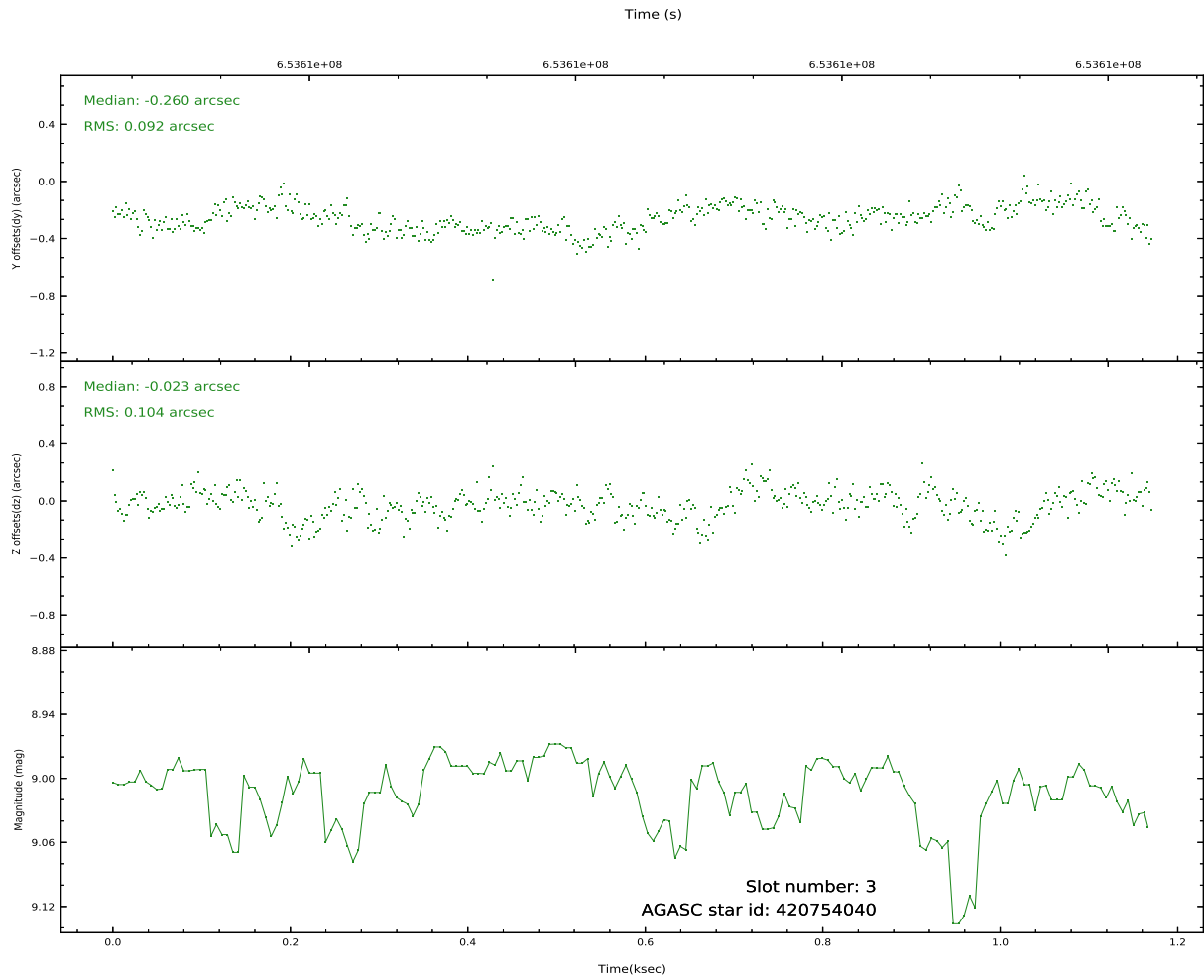
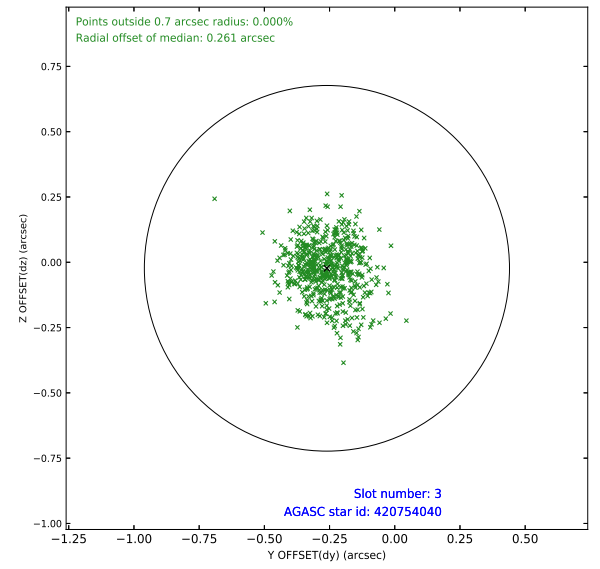
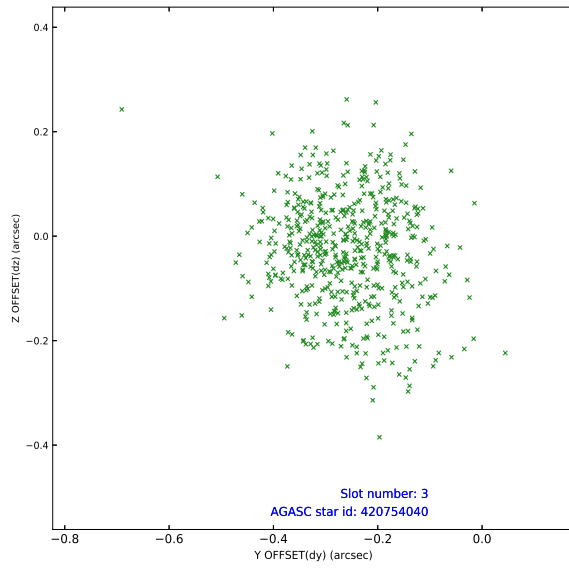


Slot Statistics

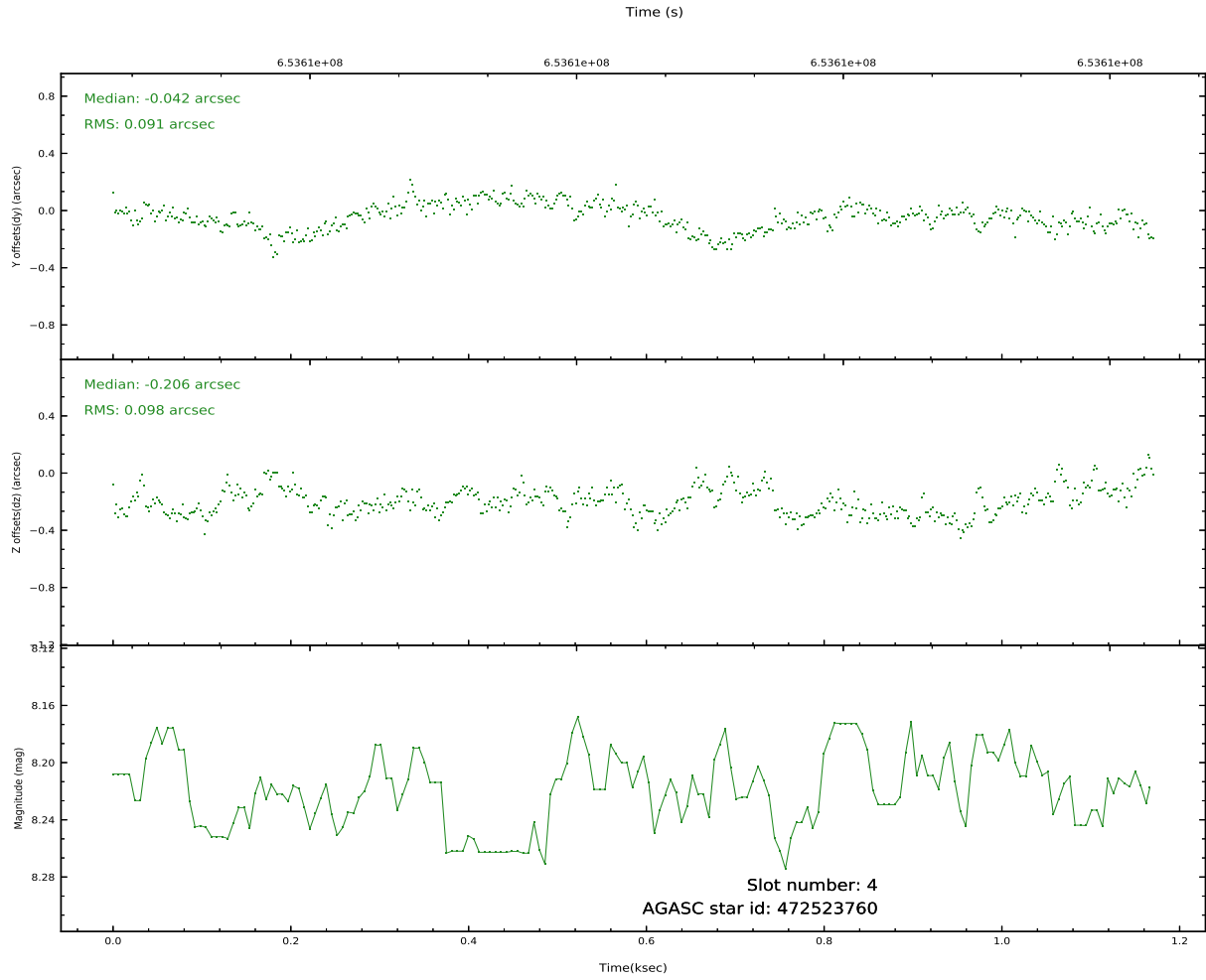
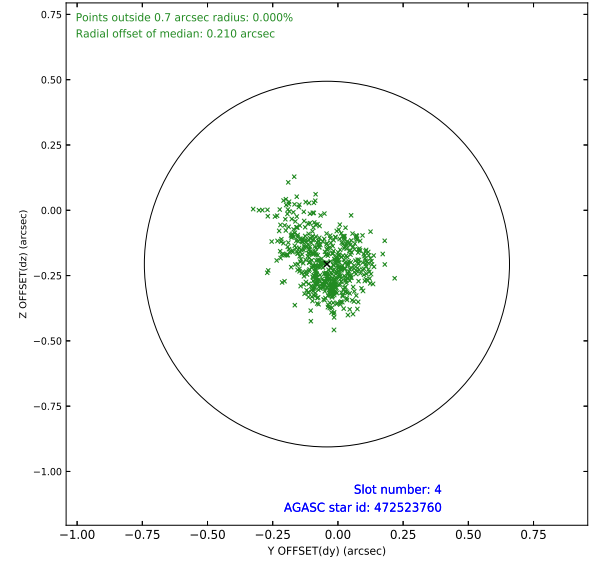
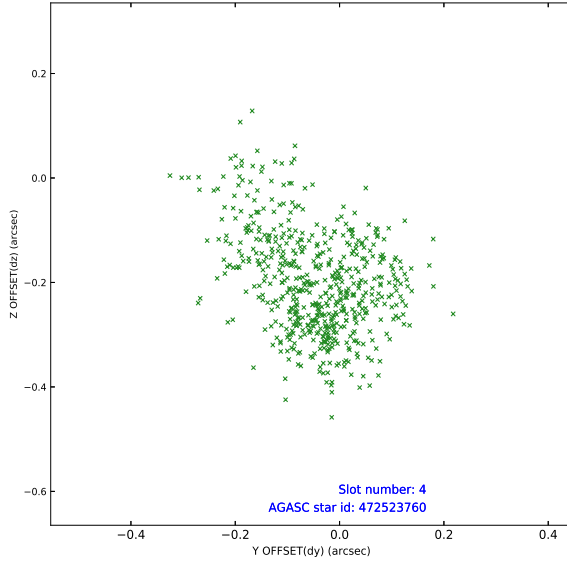
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	286	1.000	-0.079	0.021	0.008	0.012	0.000000	0.000000	-768.31	-1303
1	FID		HRC-I-2	7.04	286	1.000	0.301	-0.203	0.007	0.010	0.000000	0.000000	842.01	-1309
2	FID		HRC-I-3	7.09	286	1.000	-0.104	0.092	0.006	0.009	0.000000	0.000000	-1193.83	996
3	GUIDE	used	420754040	9.01	572	1.000	-0.260	-0.023	0.146	0.241	331.917939	44.882543	2147.26	2049
4	GUIDE	used	472523760	8.22	572	1.000	-0.042	-0.206	0.138	0.240	331.645363	45.403260	1819.15	82
5	GUIDE	used	472655152	9.38	569	1.000	0.124	0.078	0.189	0.279	332.504239	45.862991	-879.45	-287
6	GUIDE	used	472665256	8.95	572	1.000	0.129	0.083	0.146	0.256	332.808125	46.195041	-2131.23	-959
7	GUIDE	used	472663080	9.33	570	1.000	0.081	0.084	0.159	0.302	332.652741	46.473840	-2286.46	-2025

2.4 Star Slots

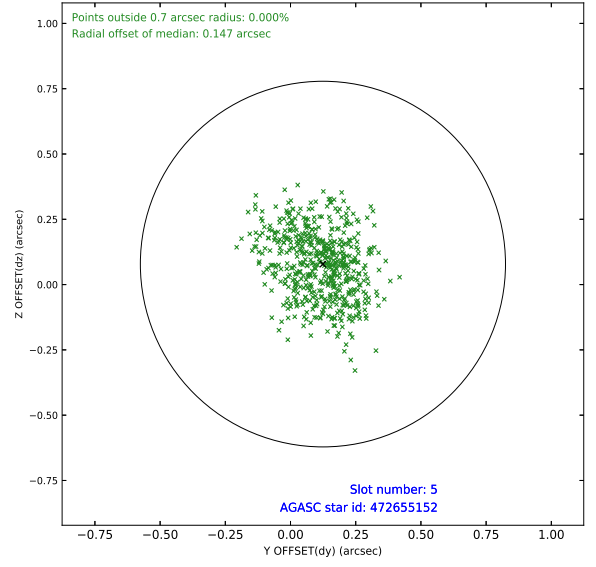
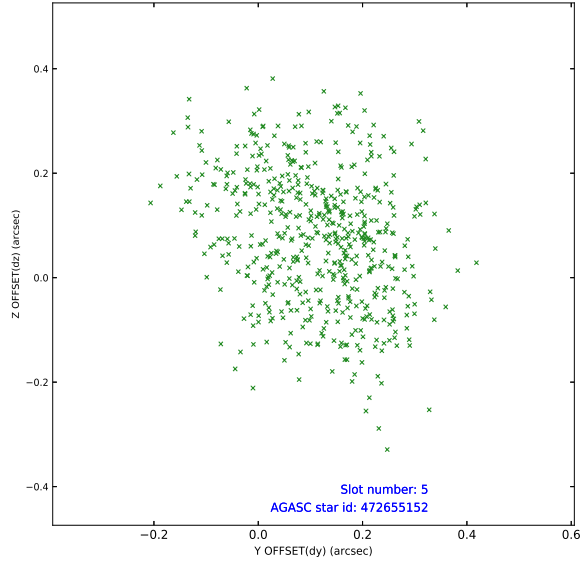
2.4.1 Slot 3



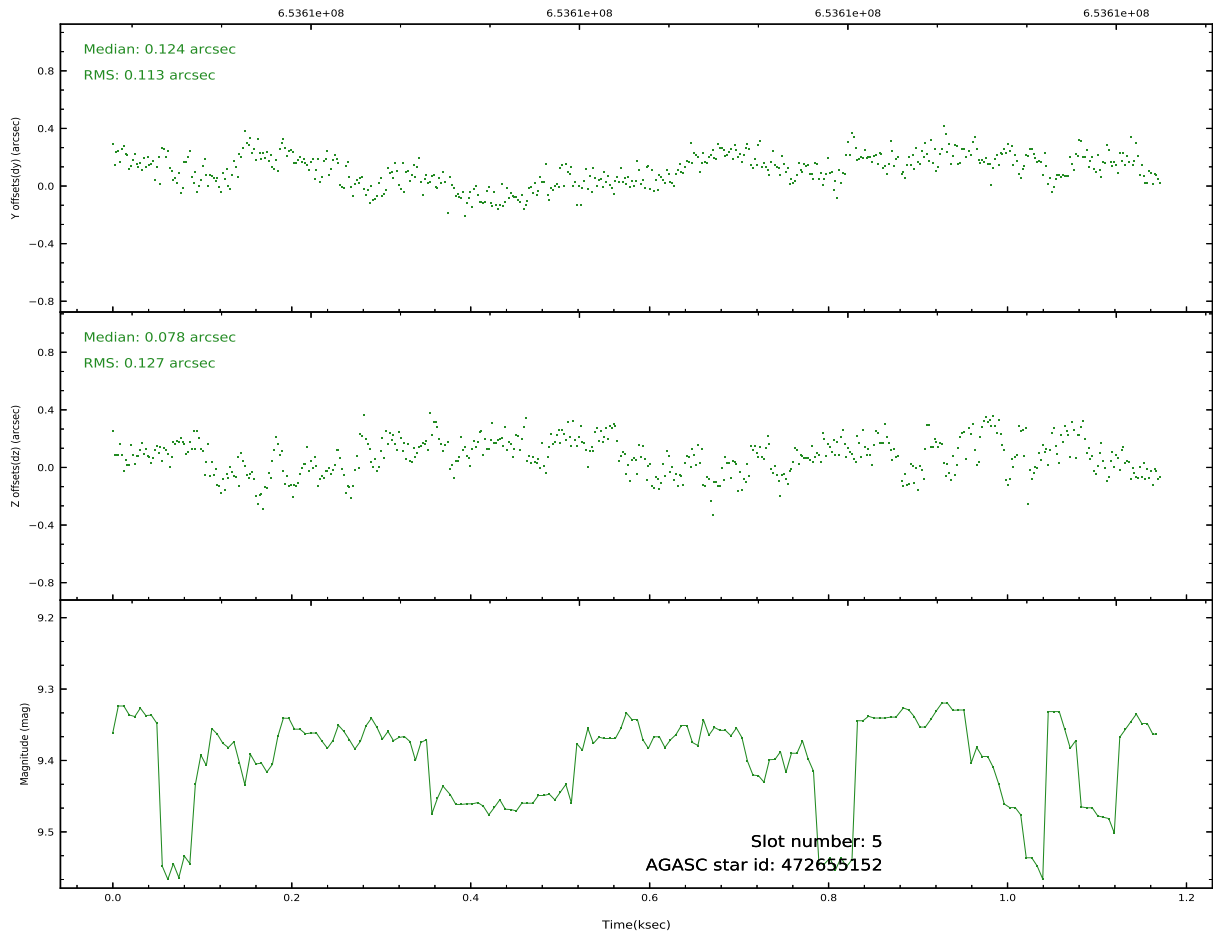
2.4.2 Slot 4



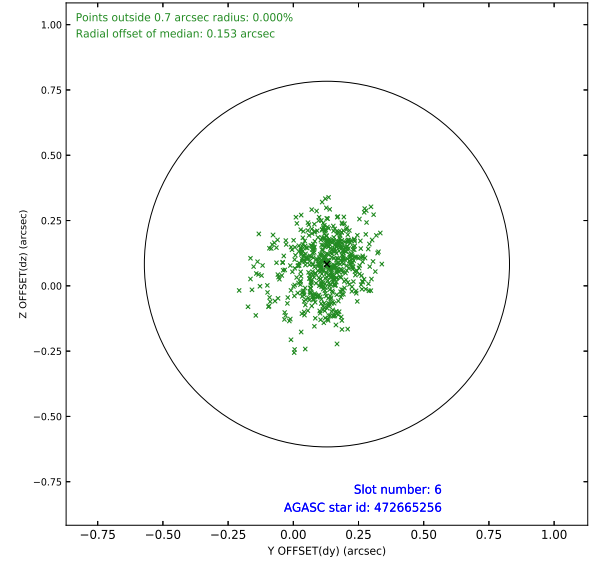
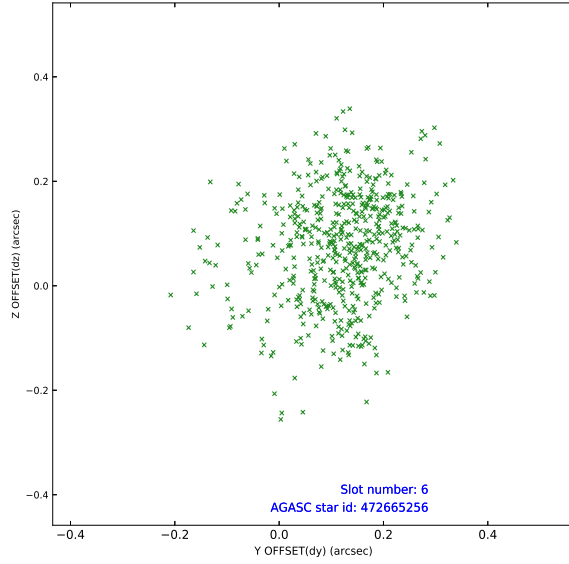
2.4.3 Slot 5



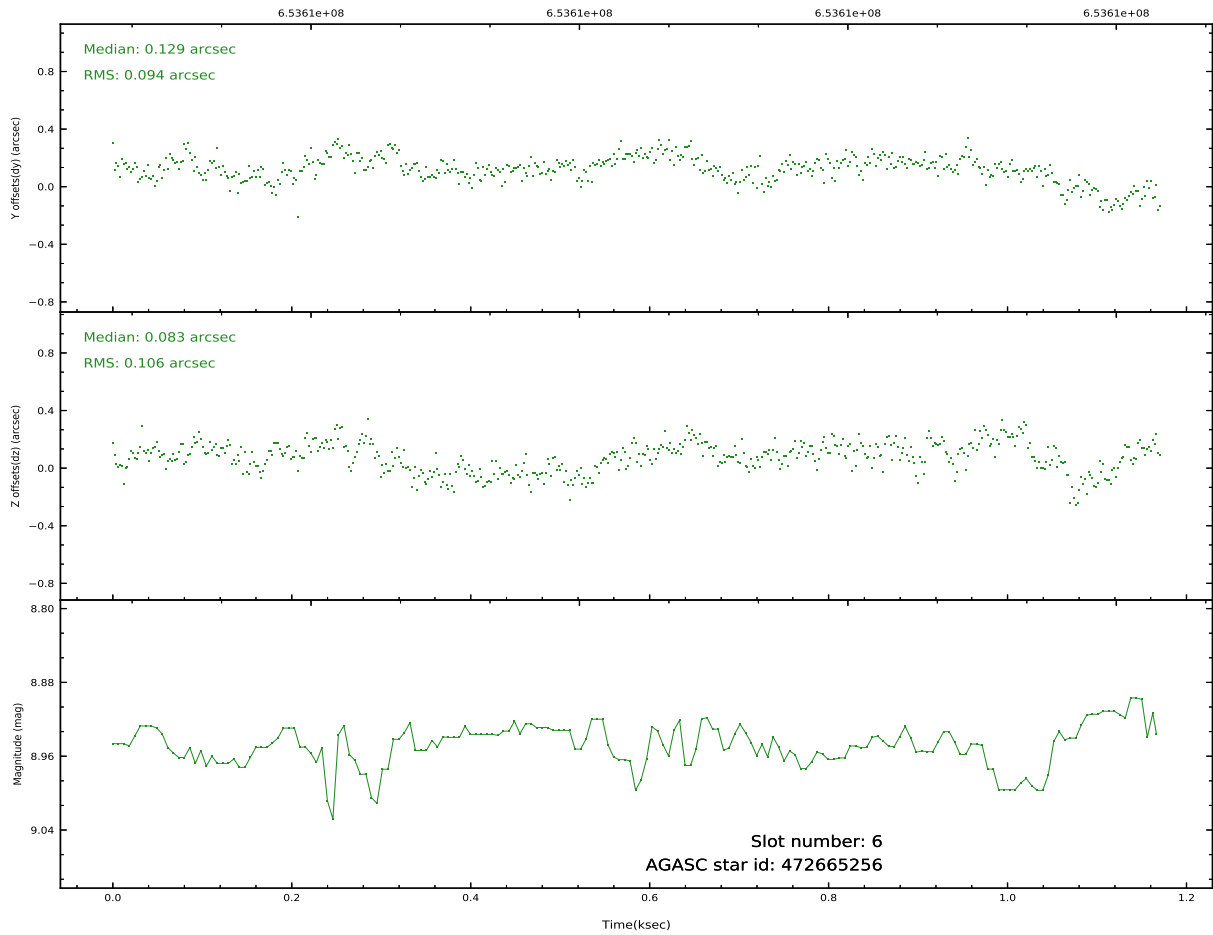
Time (s)



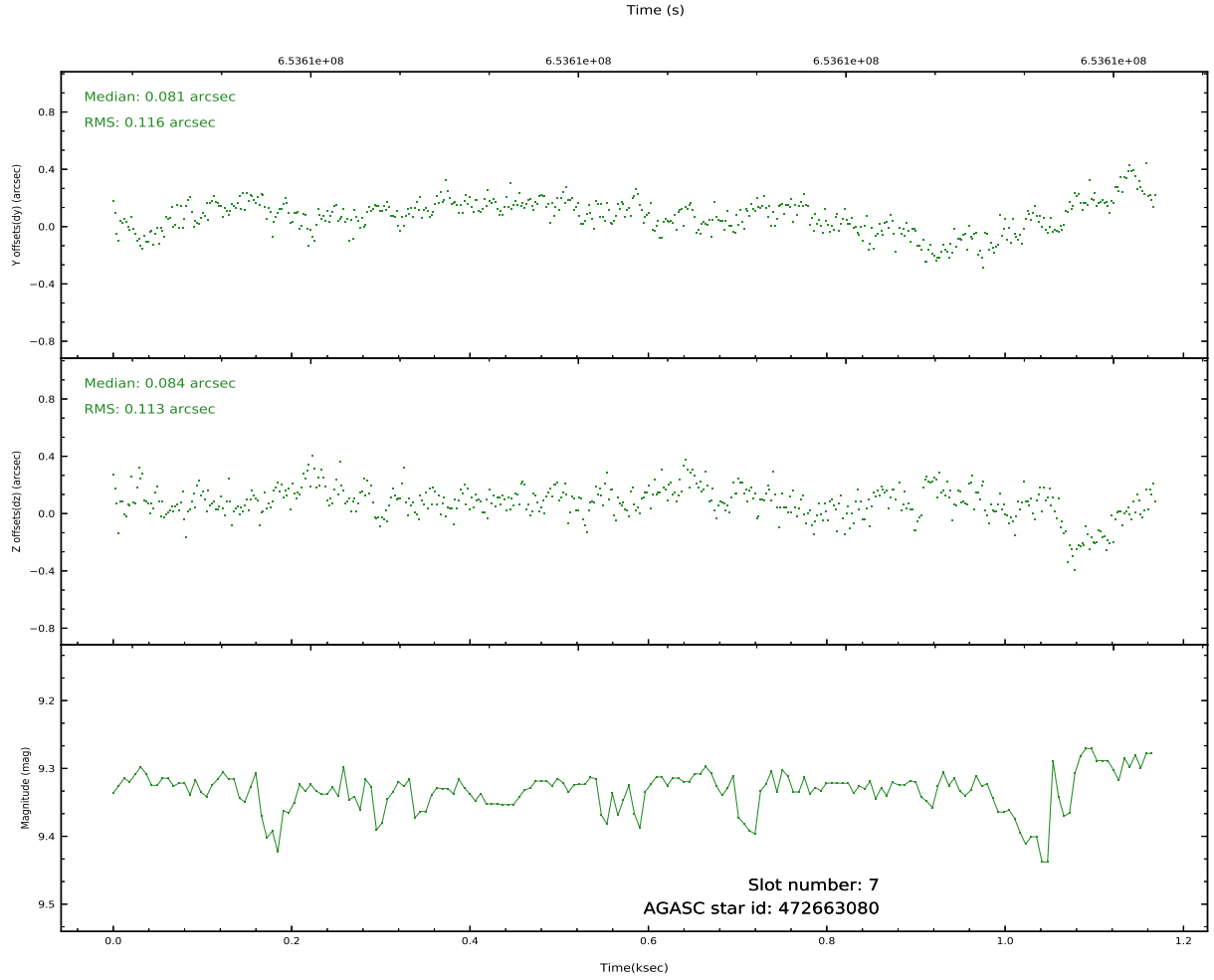
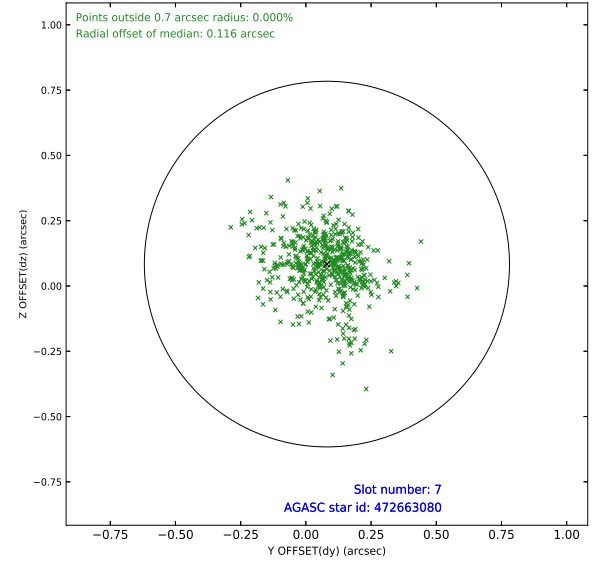
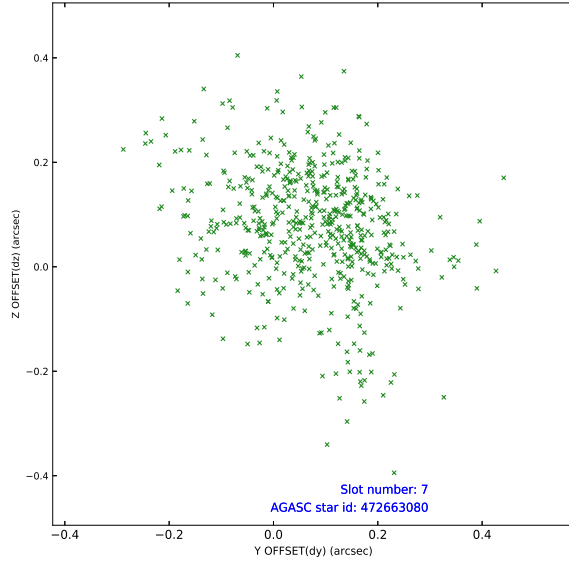
2.4.4 Slot 6



Time (s)

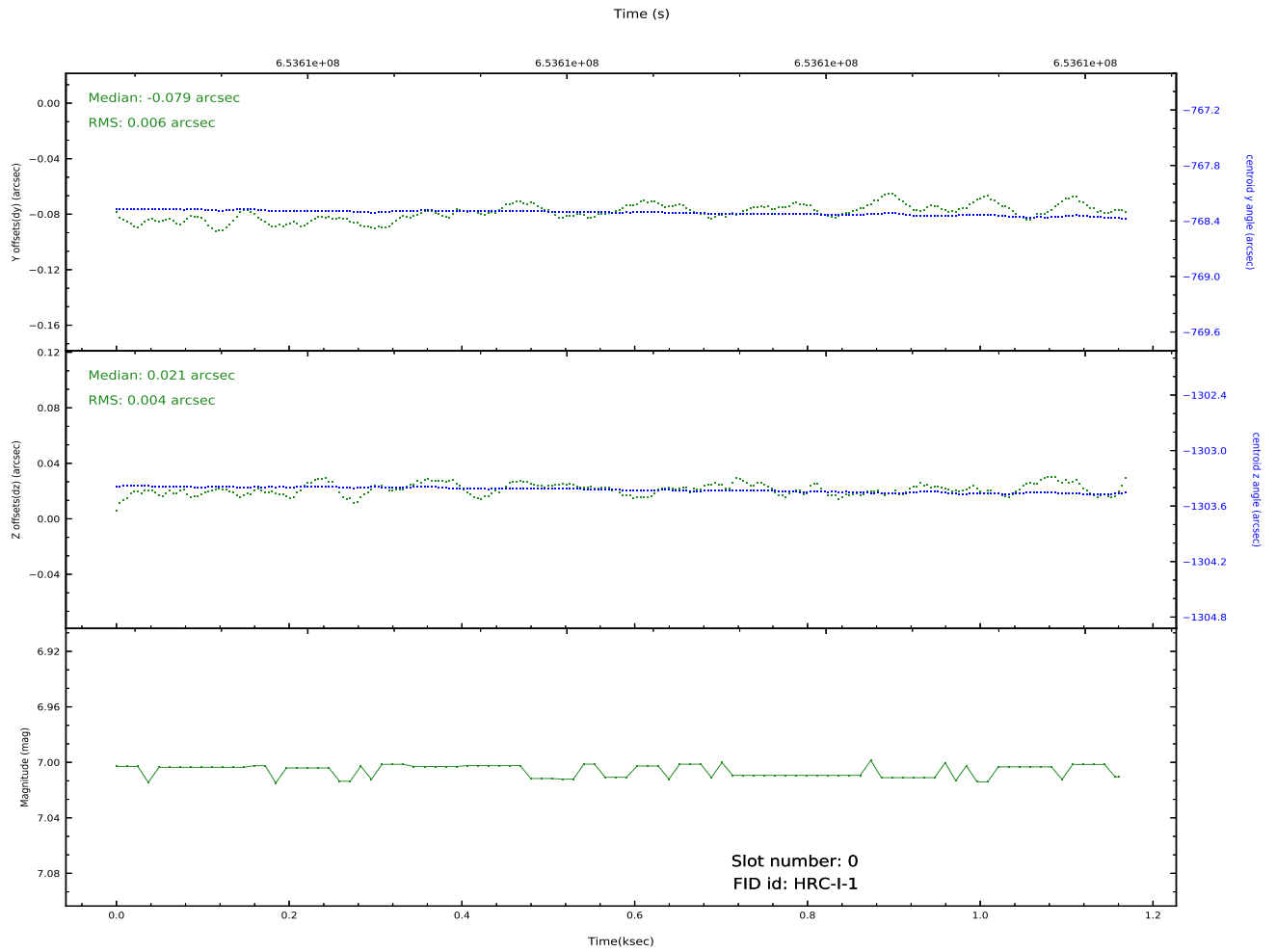
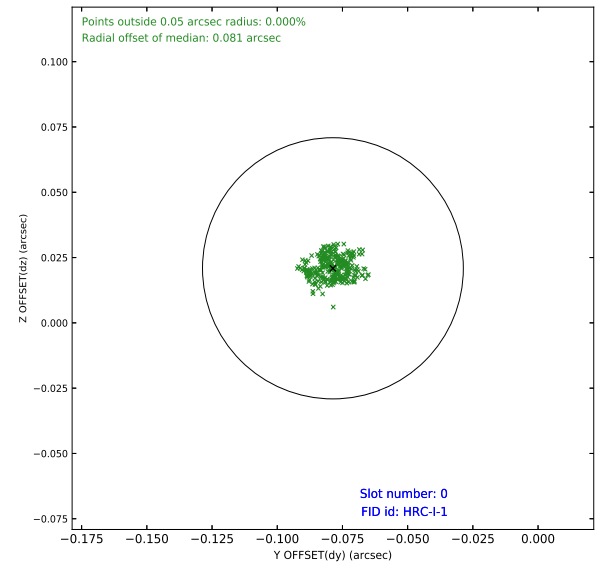
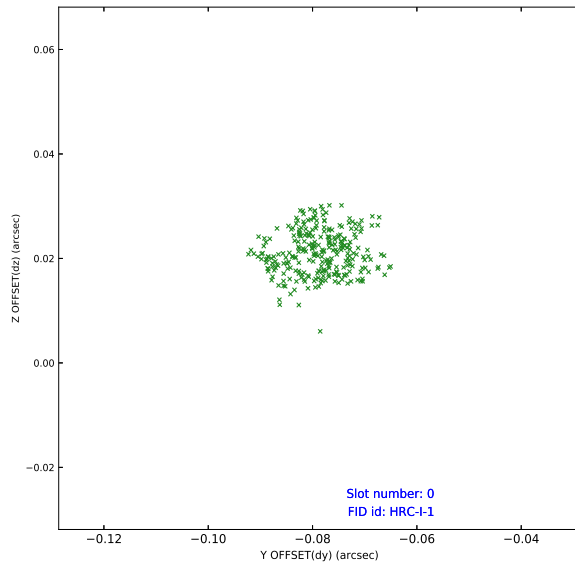


2.4.5 Slot 7

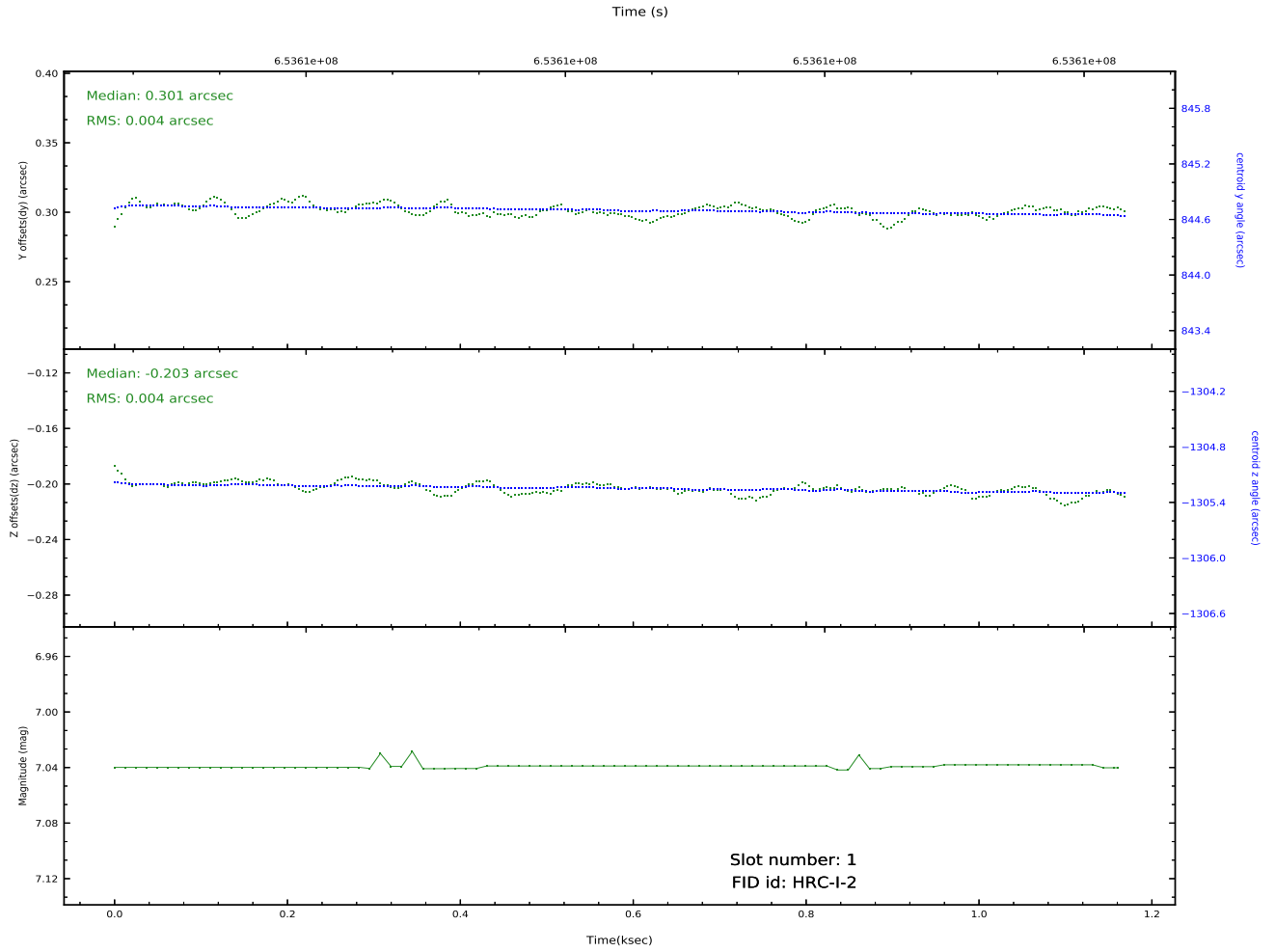
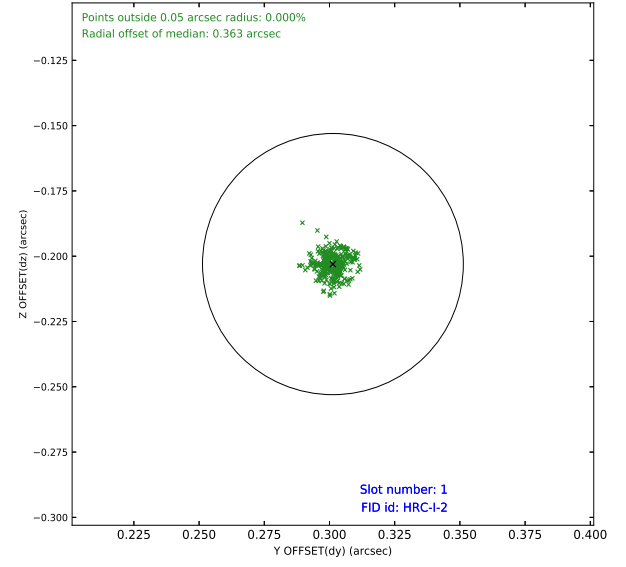
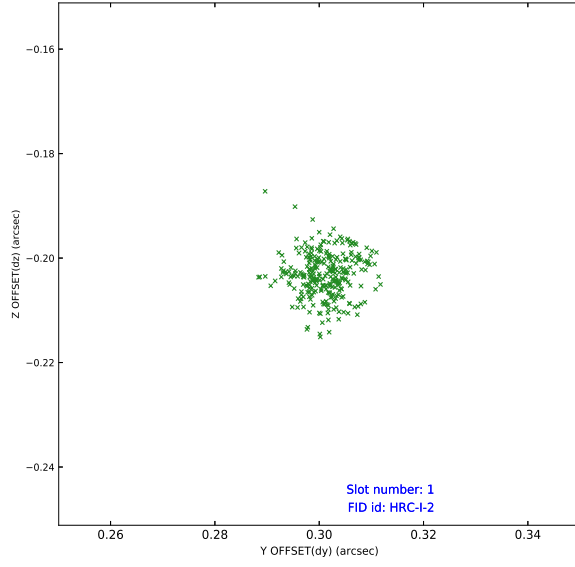


2.5 FID Slots

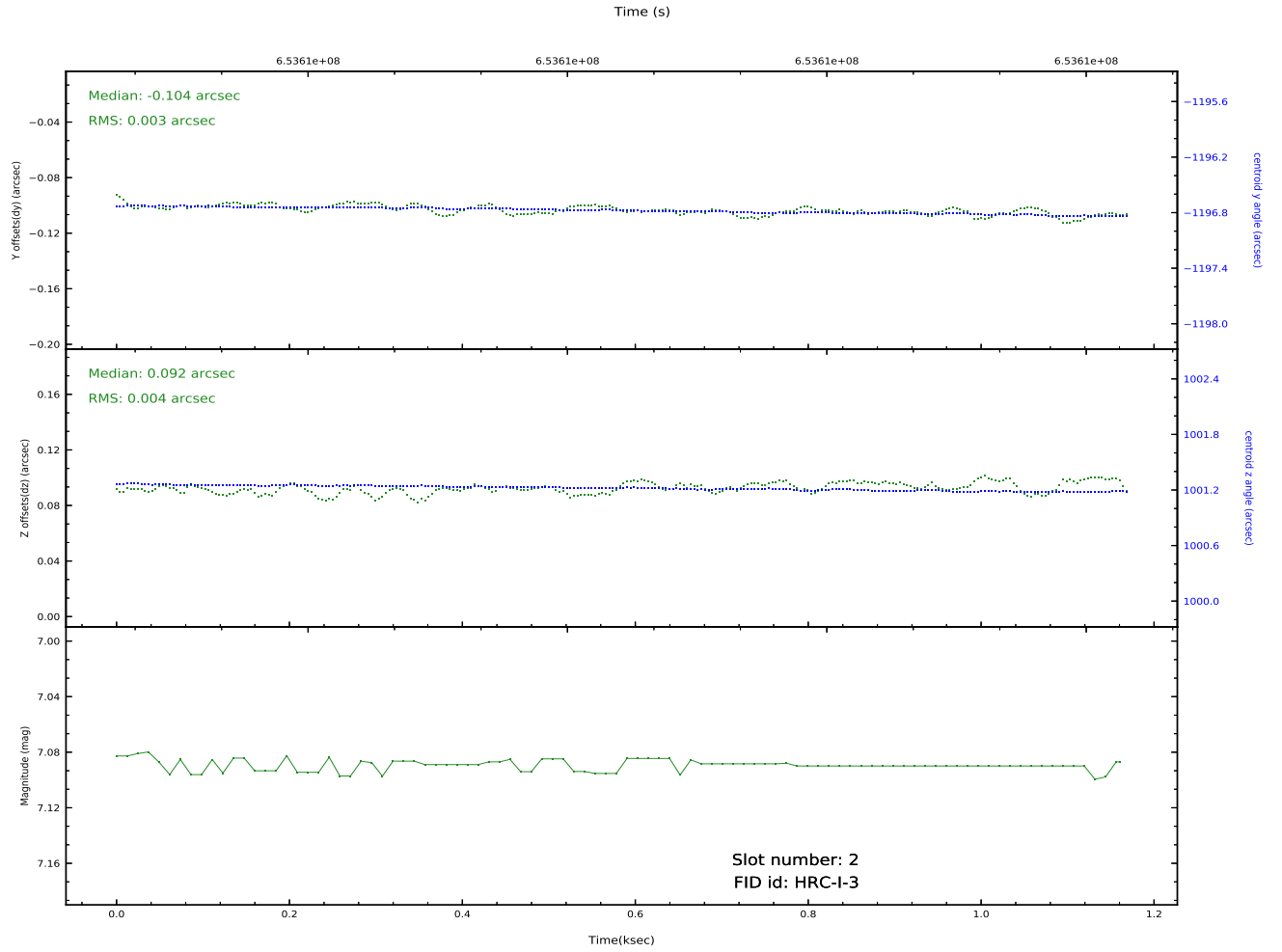
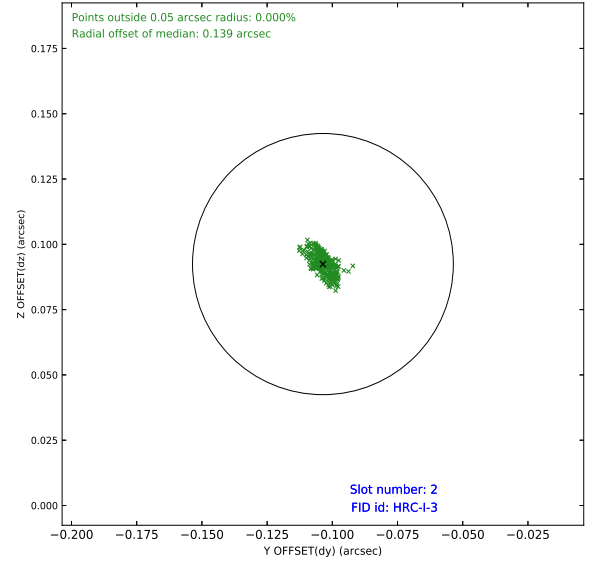
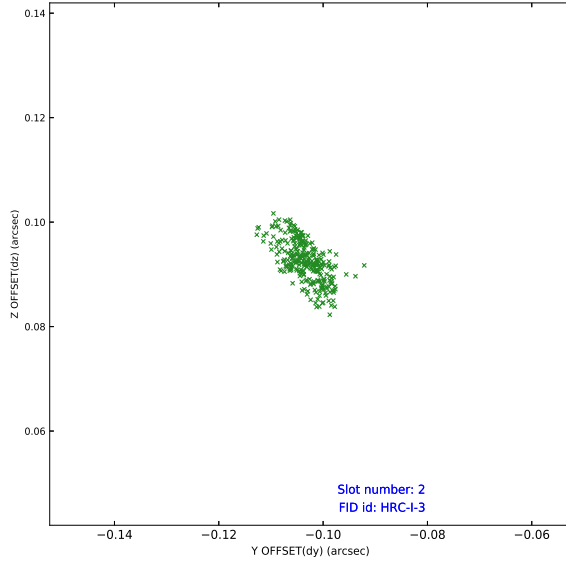
2.5.1 Slot 0



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	1.1697813196182

A.2 Comments