

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20670 - L2 Version 2
Chandra X-Ray Center

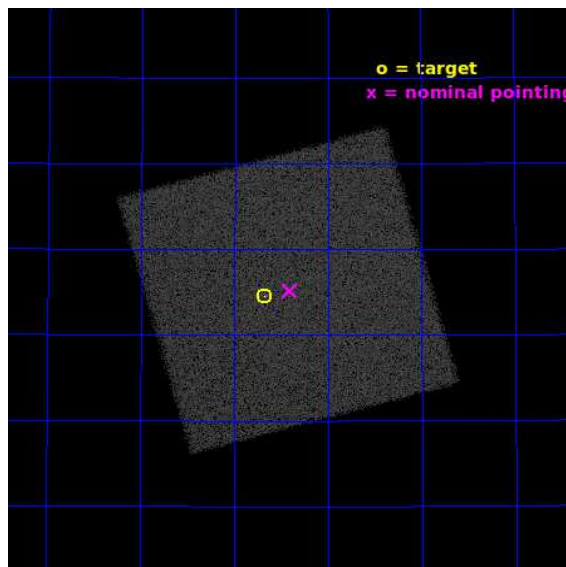
L2 Processing Date : Oct 27 2020

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1 Front

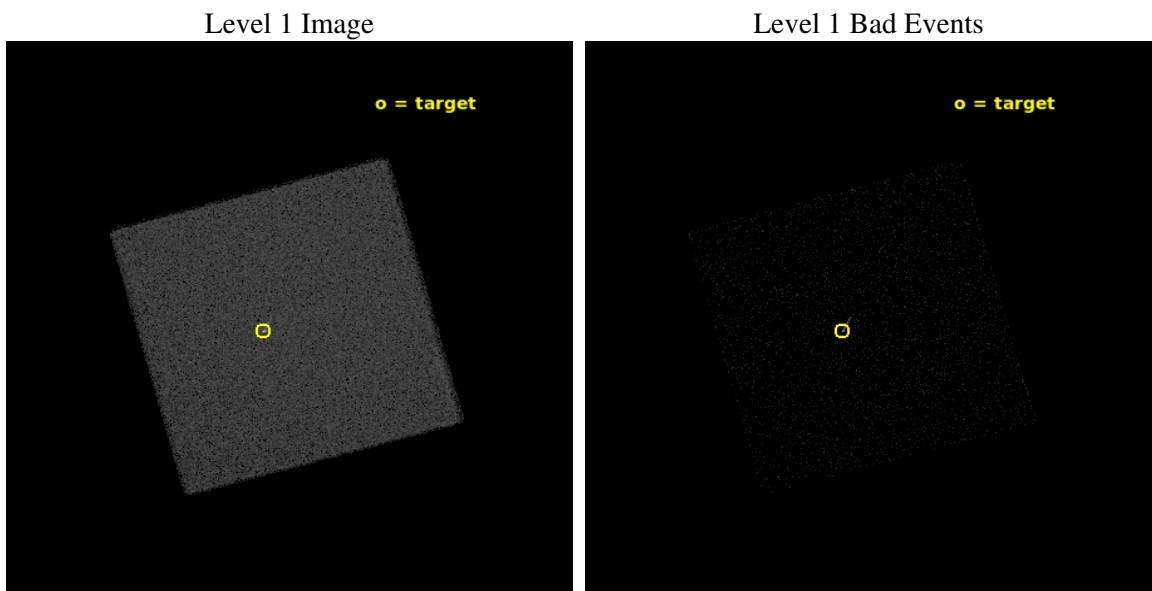
seq_num	291381	Sequence number
obs_id	20670	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10180092301	Nominal RA [deg]
dec_nom	45.75324755336	Nominal Dec [deg]
roll_nom	209.52709166309	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1175.6750700474	[s]
livetime	1159.2144211491	Ontime multiplied by DTCOR
l2events	143605	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	1175.6750700474	[s]
caldsver	4.9.3	 	l1events	241771	Number of level 1 events
date	2020-10-27T19:26:16	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

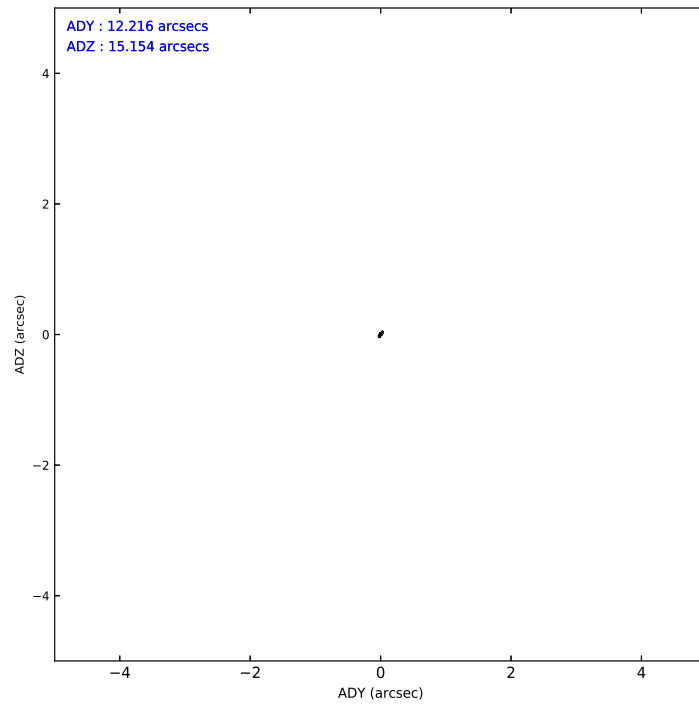
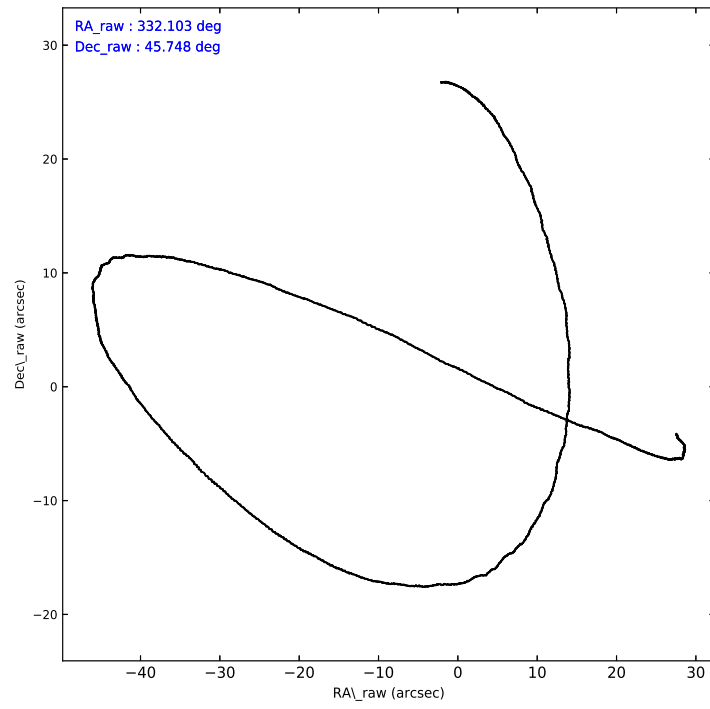
	segment 0
level 1 events	241771
rejected events	53516
rejected %	22%

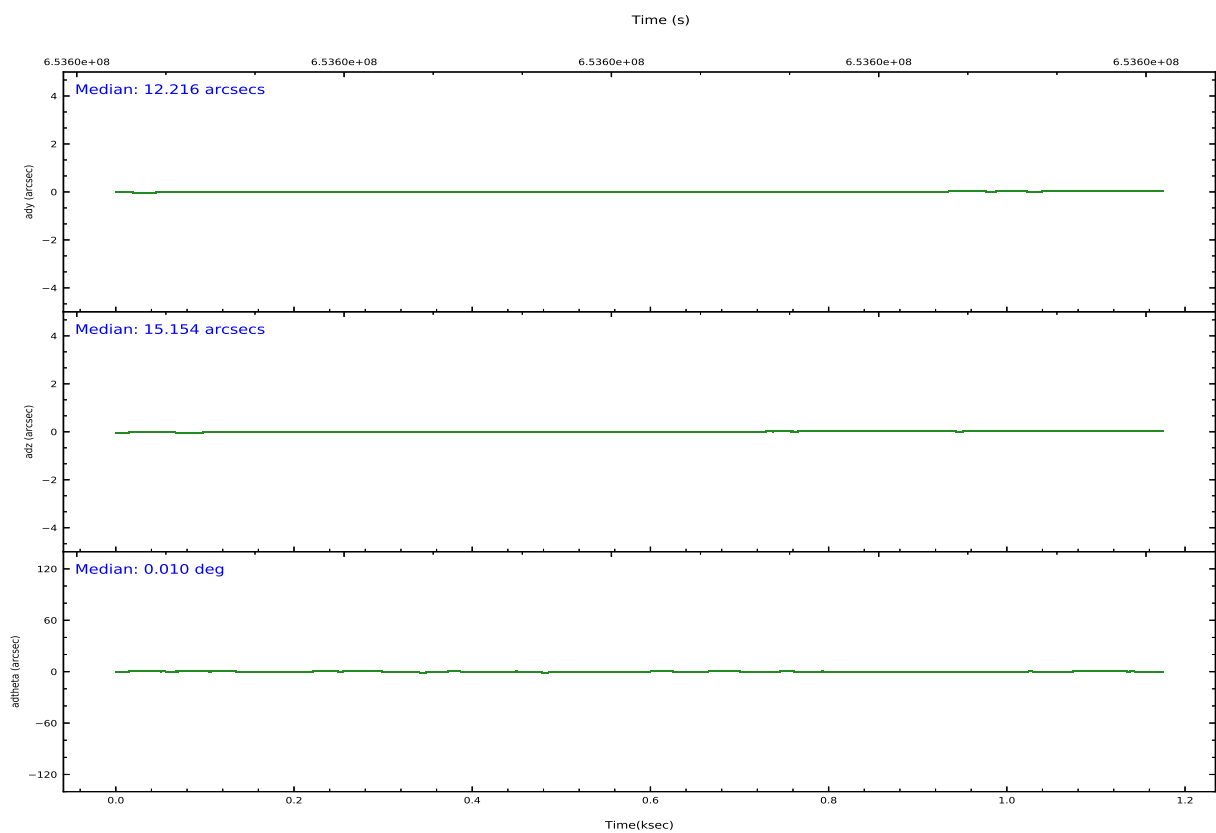
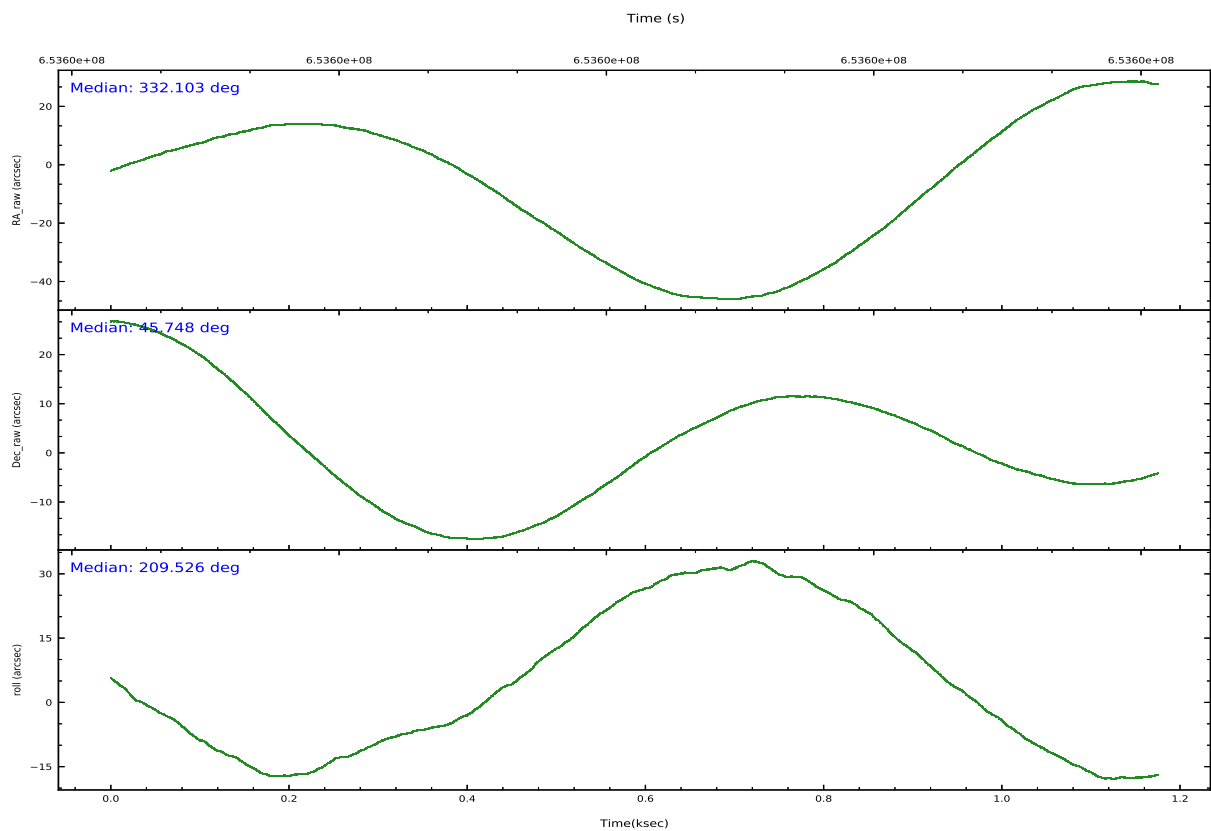
2.2 Compared Parameters

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	332.118714	332.10180092301
[deg] Pointing Dec	45.771684	45.75324755336
[deg] Pointing Roll	209.621763	209.52709166309
[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)	653602220.184000	653601844.30384
Observation start date	2018-09-17T20:09:11	2018-09-17T20:04:04
[s] Observation end time (MET)	653603220.184000	653603354.12893
Observation end date	2018-09-17T20:25:51	2018-09-17T20:29:14

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

2.3 Aspect



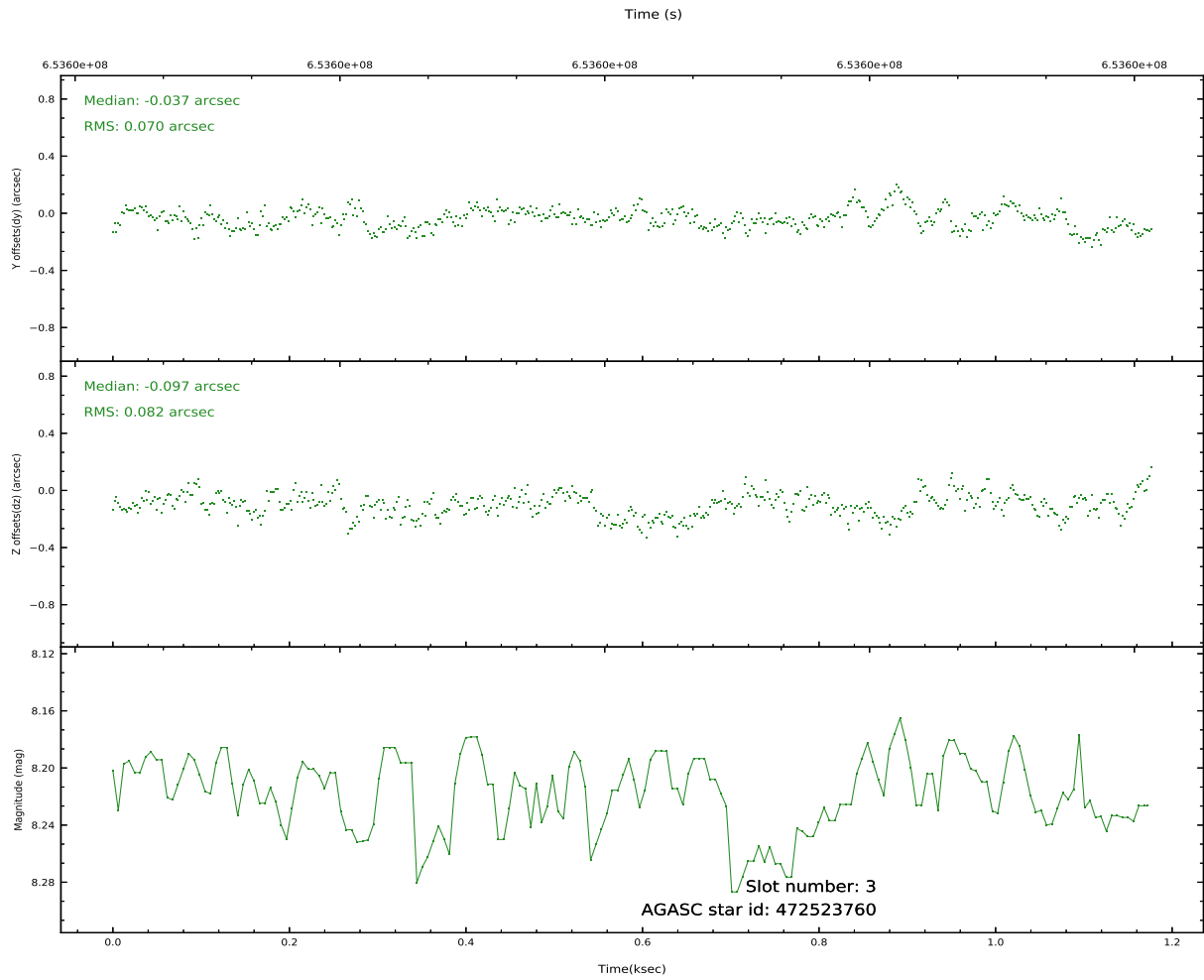
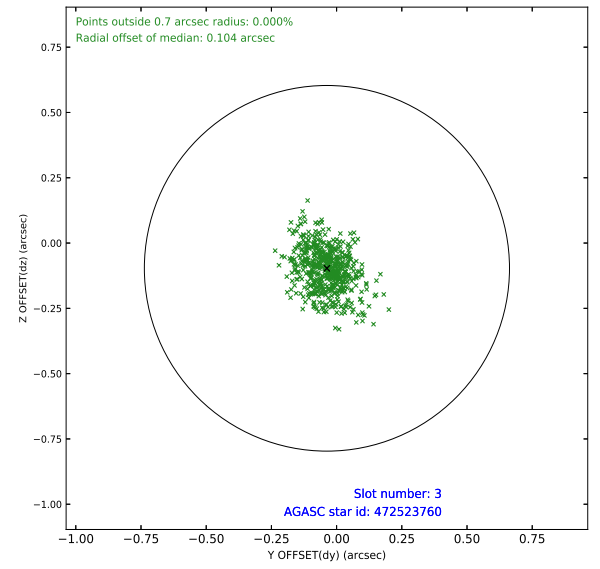
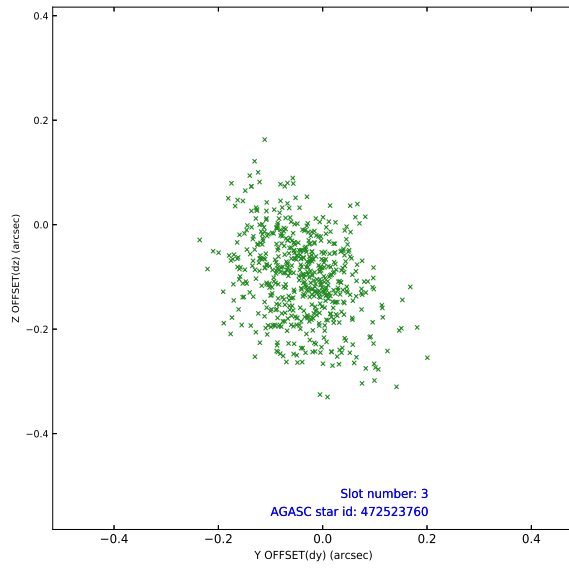


Slot Statistics

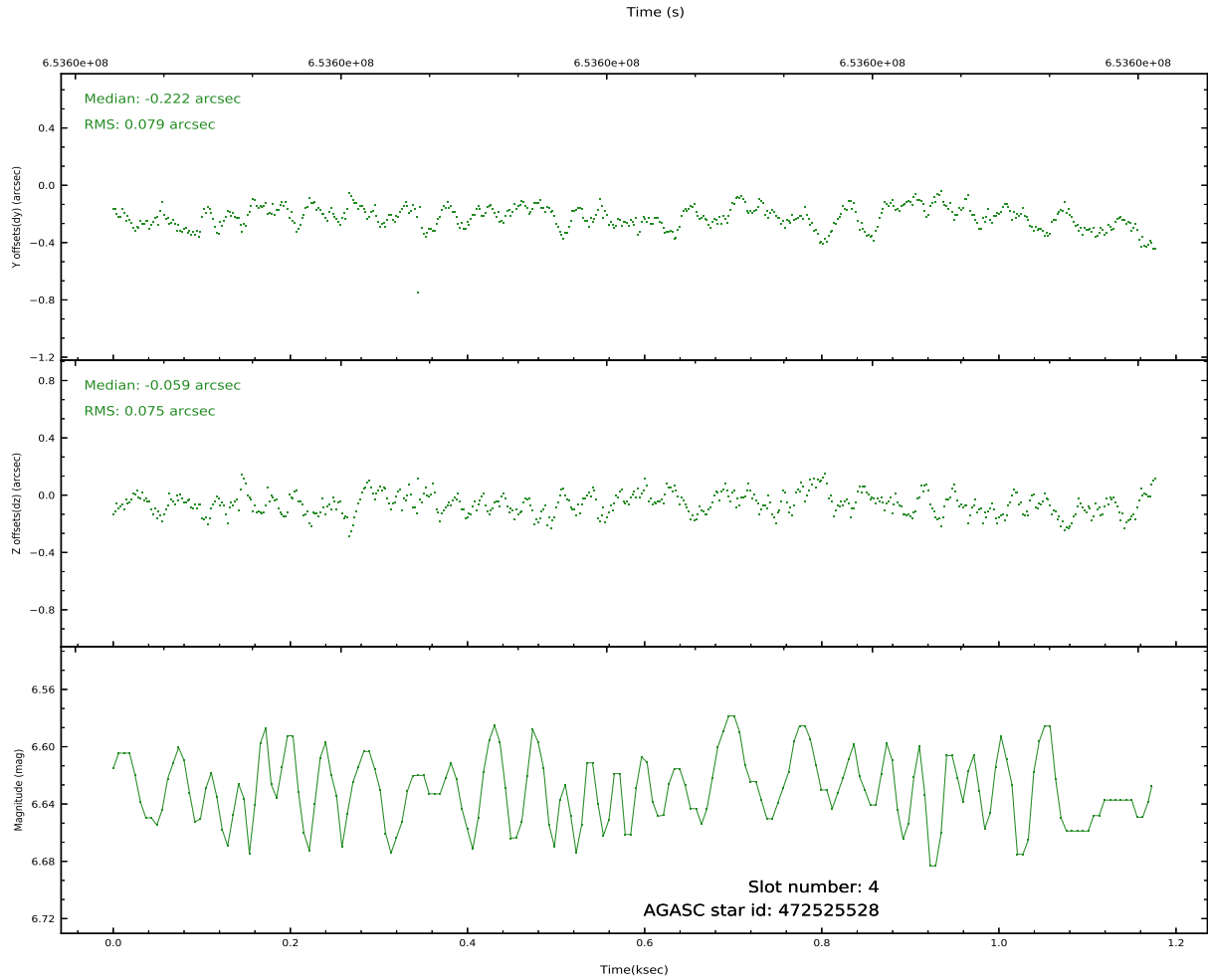
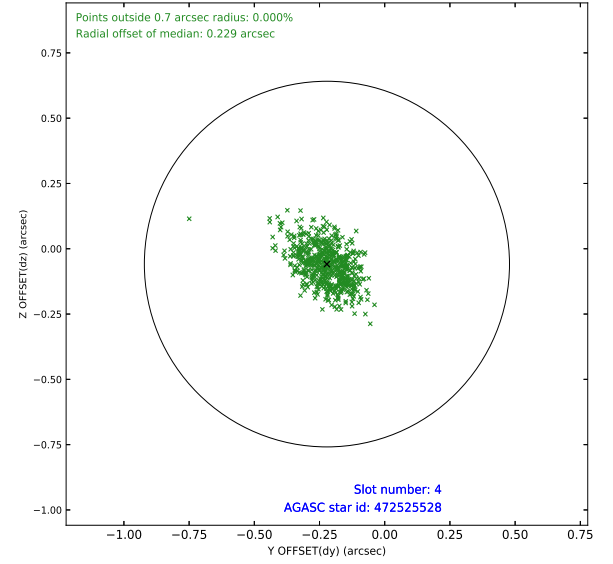
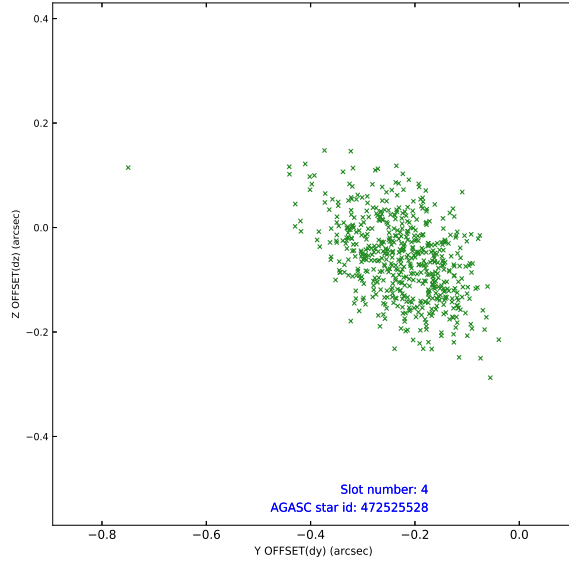
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	287	1.000	-0.077	0.019	0.007	0.012	0.000000	0.000000	-768.05	-1303
1	FID		HRC-I-2	7.04	287	1.000	0.290	-0.192	0.006	0.010	0.000000	0.000000	842.28	-1309
2	FID		HRC-I-3	7.08	288	1.000	-0.094	0.084	0.006	0.013	0.000000	0.000000	-1193.58	996
3	GUIDE	used	472523760	8.22	575	1.000	-0.037	-0.097	0.111	0.191	331.645363	45.403260	1695.91	557
4	GUIDE	used	472525528	6.63	575	1.000	-0.222	-0.059	0.114	0.182	331.551102	45.248694	2182.87	921
5	GUIDE	used	472533912	9.12	575	1.000	0.198	0.066	0.157	0.248	331.791136	46.368695	-349.82	-2271
6	GUIDE	used	472655152	9.38	574	1.000	-0.040	-0.162	0.216	0.358	332.504239	45.862991	-1002.61	184
7	GUIDE	used	472665256	8.95	574	1.000	0.103	0.249	0.141	0.242	332.808125	46.195041	-2250.23	-483

2.4 Star Slots

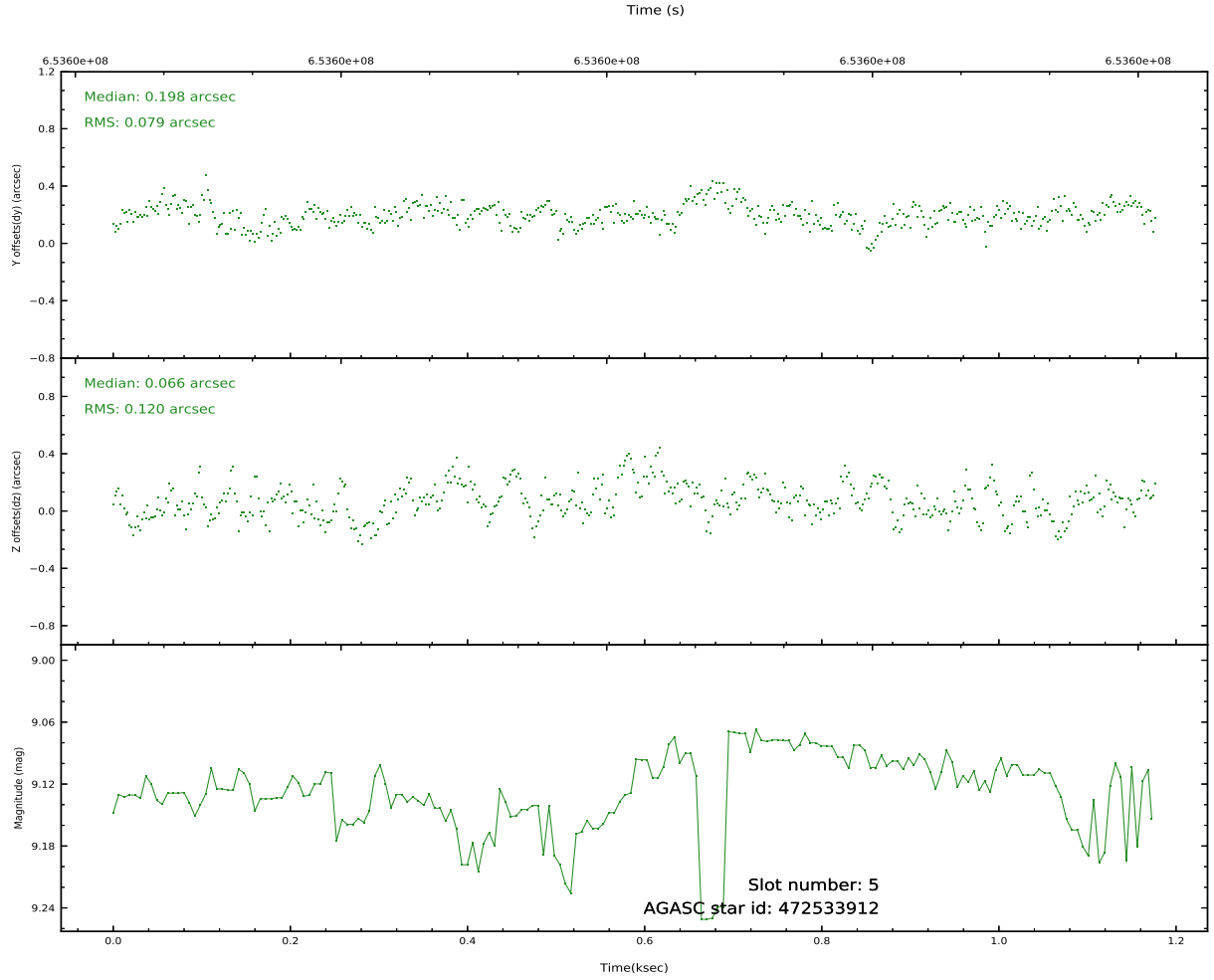
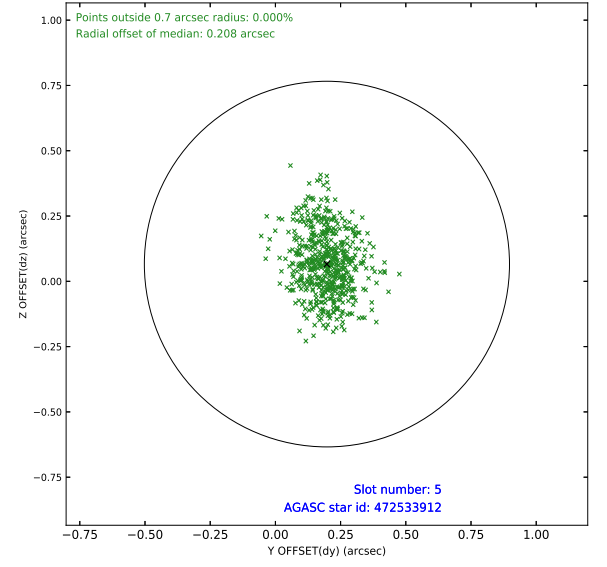
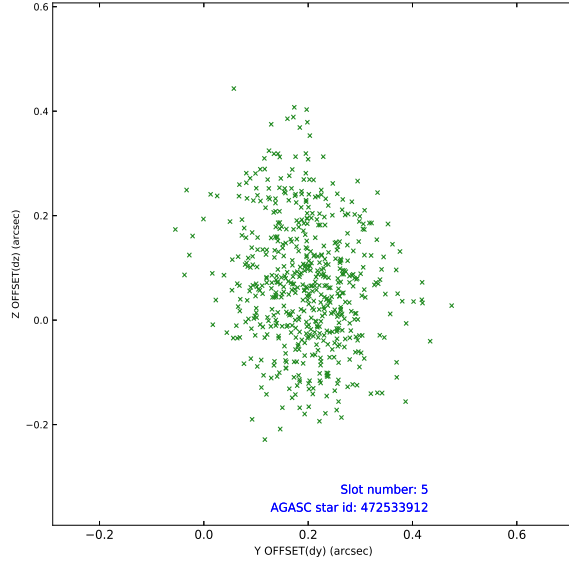
2.4.1 Slot 3



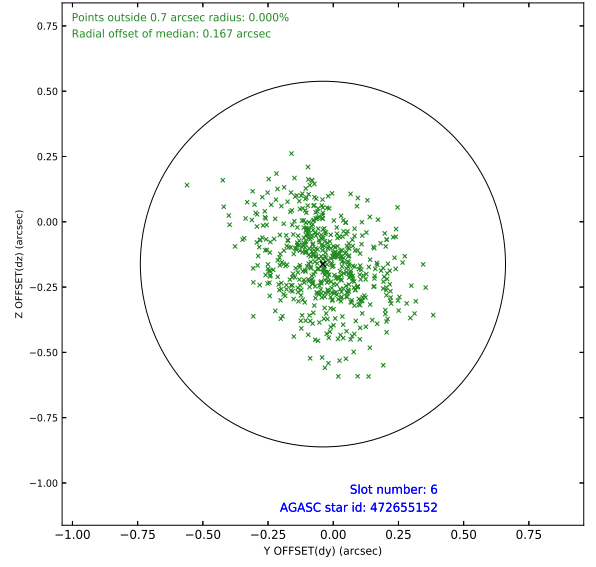
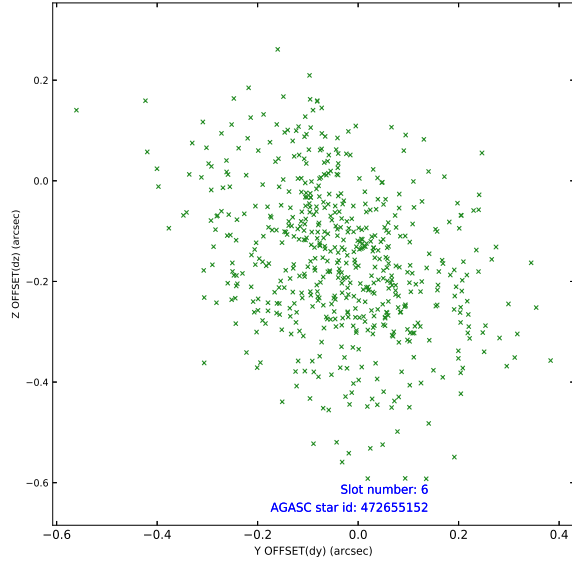
2.4.2 Slot 4



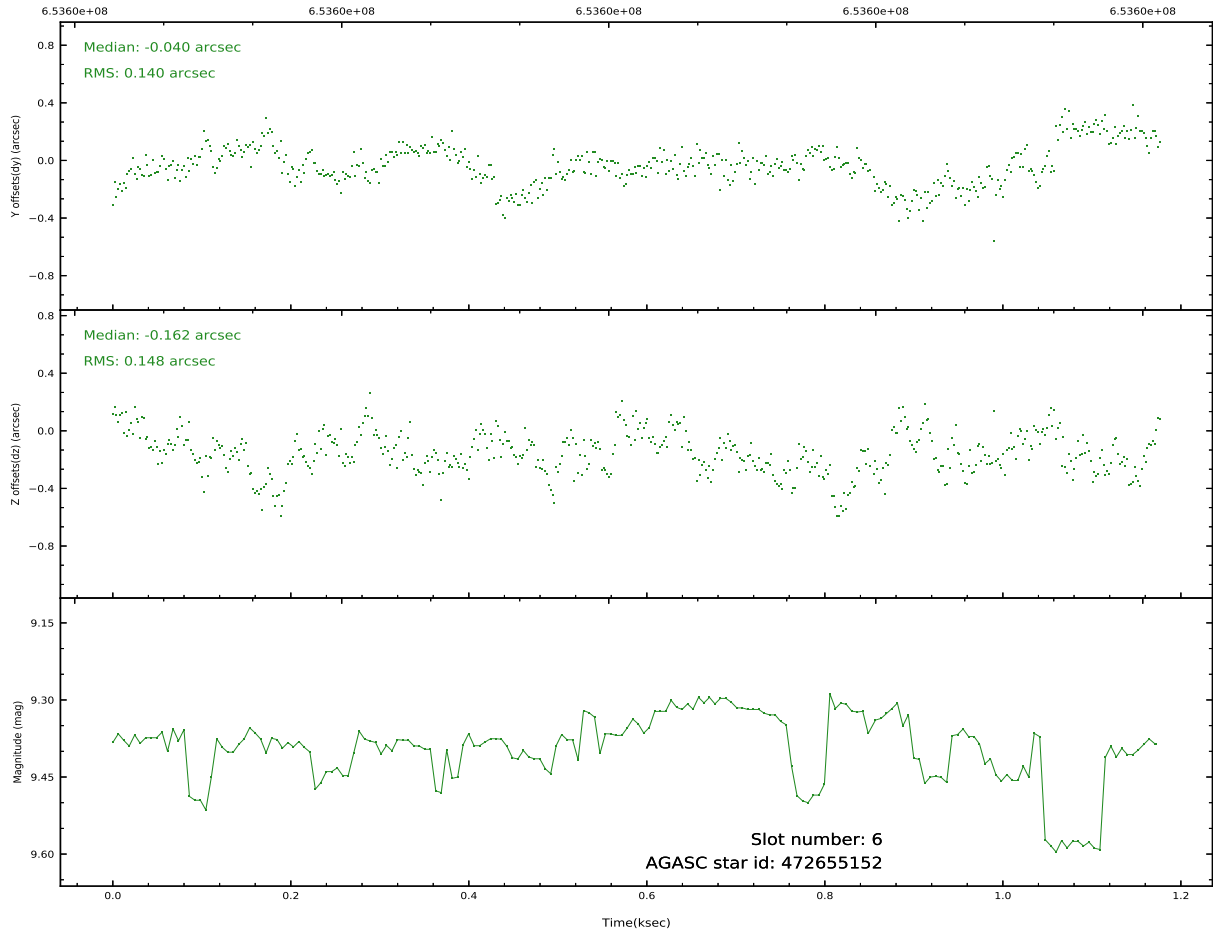
2.4.3 Slot 5



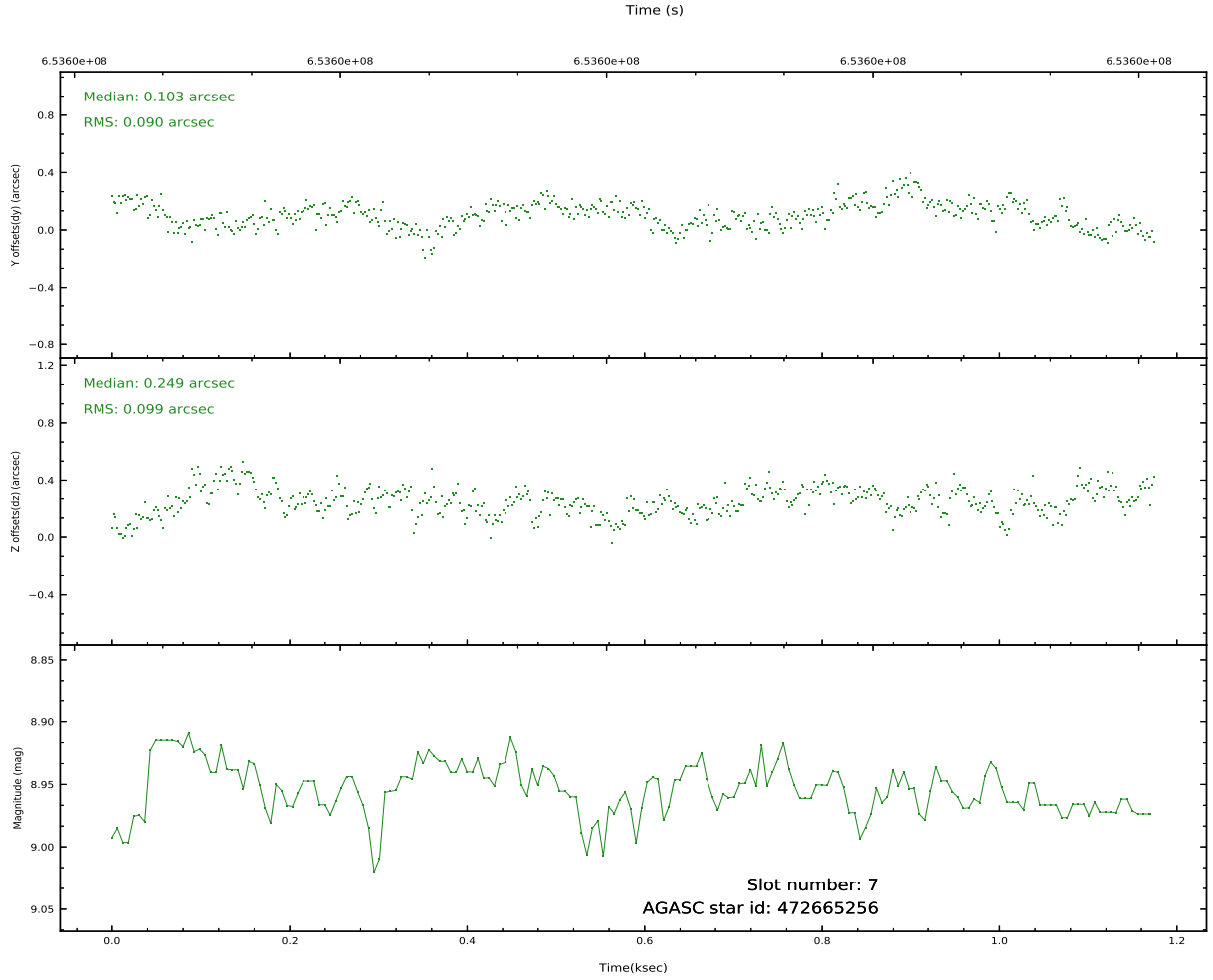
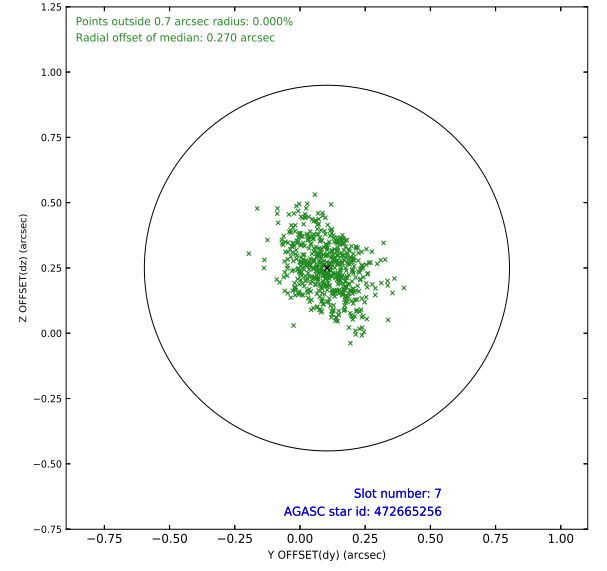
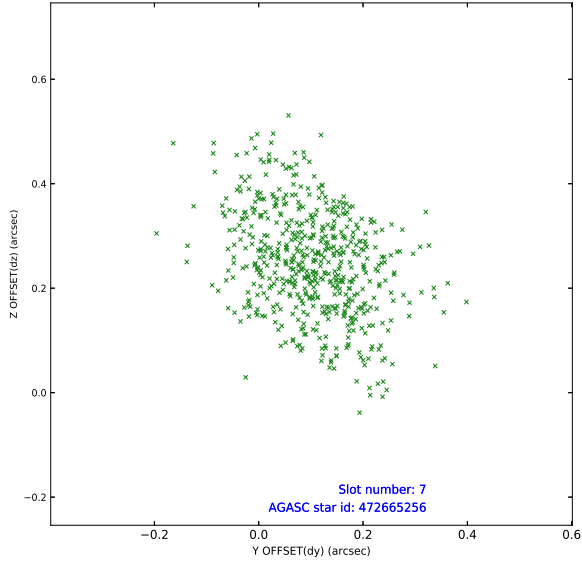
2.4.4 Slot 6



Time (s)

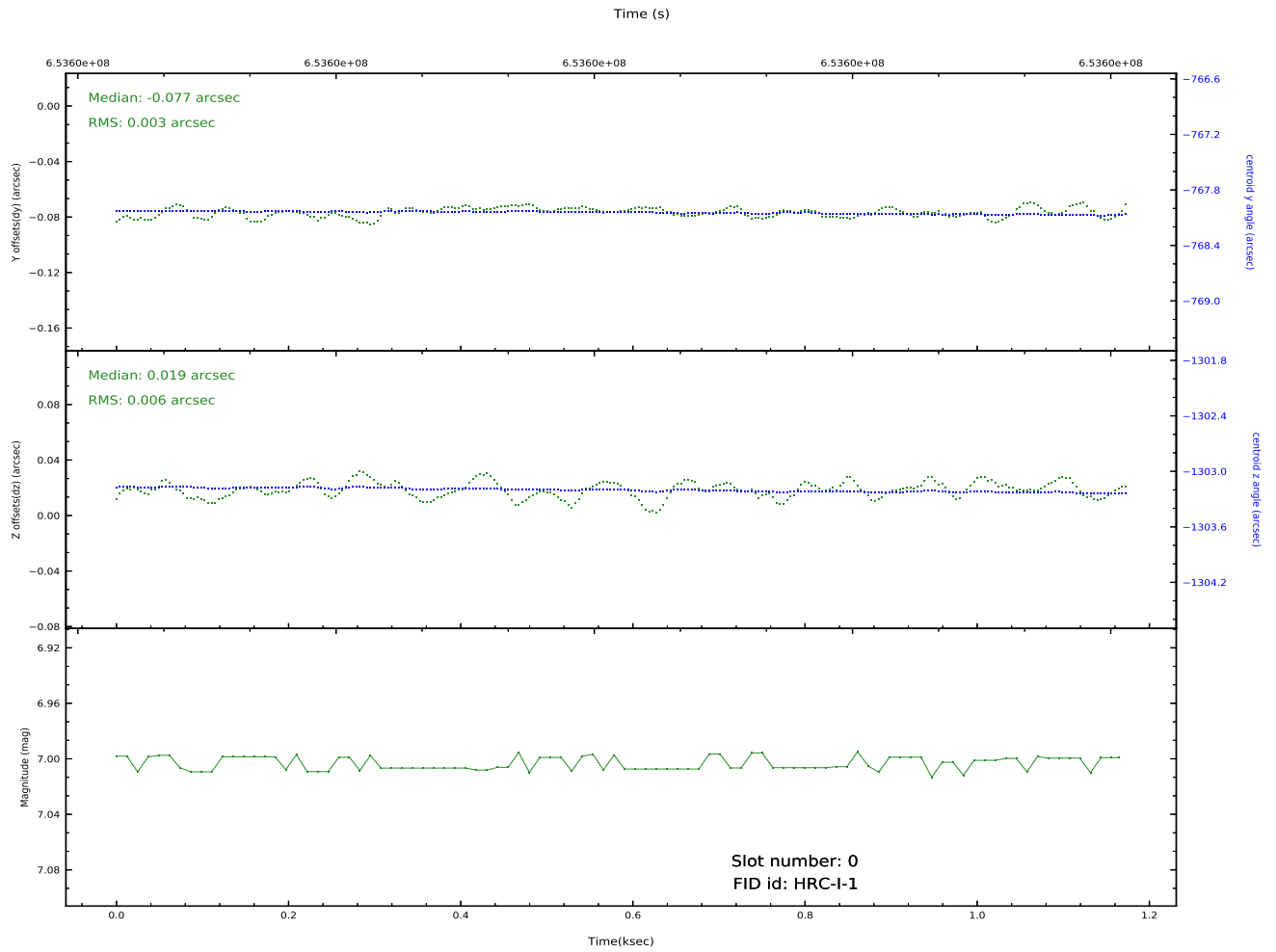
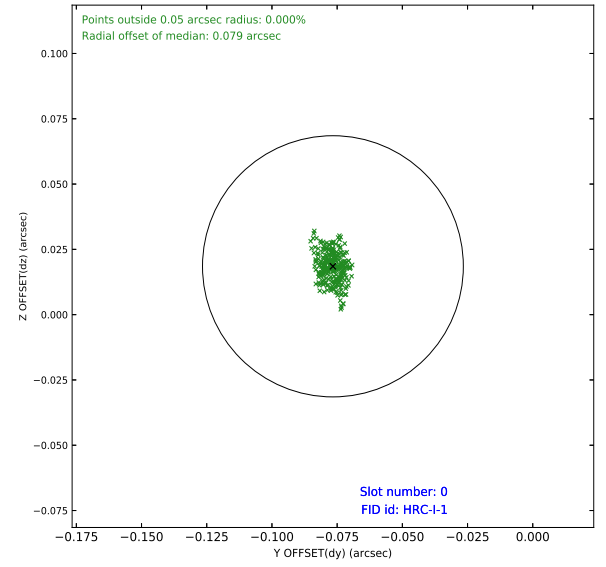
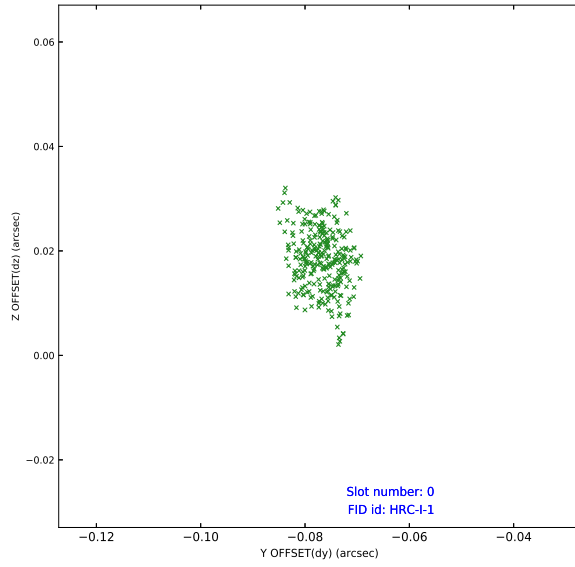


2.4.5 Slot 7

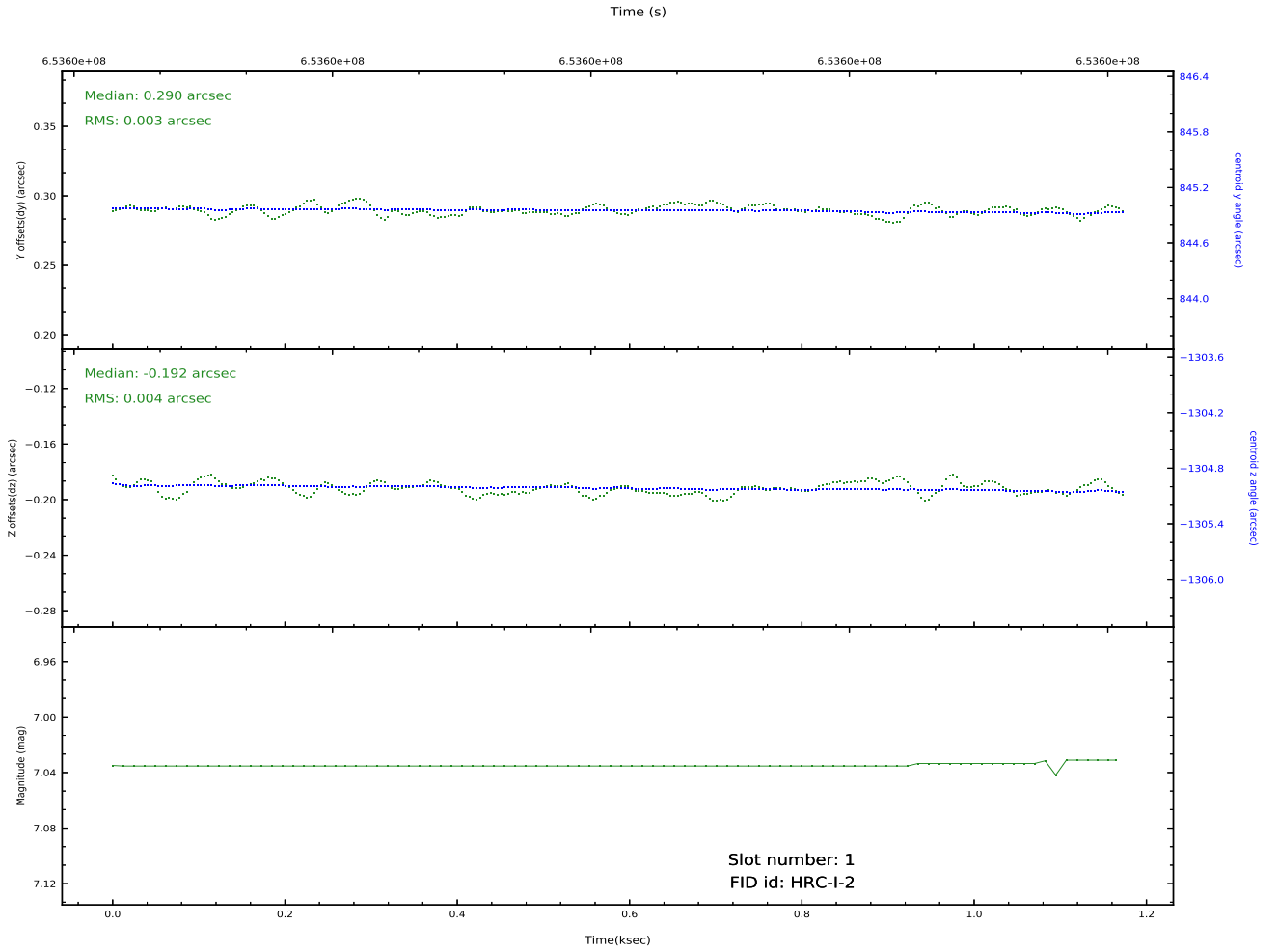
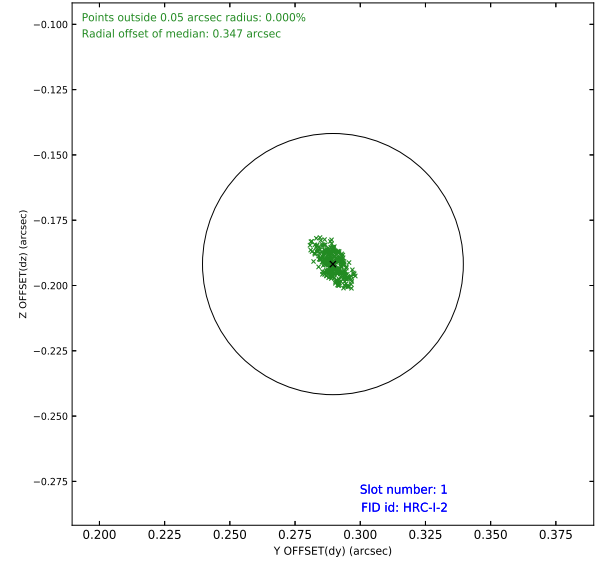
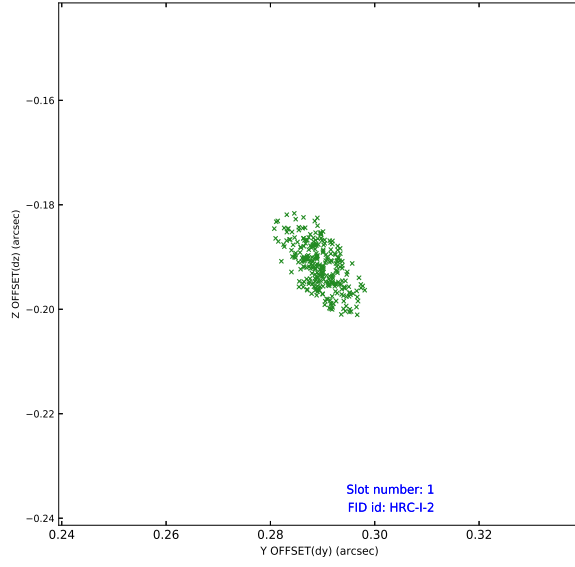


2.5 FID Slots

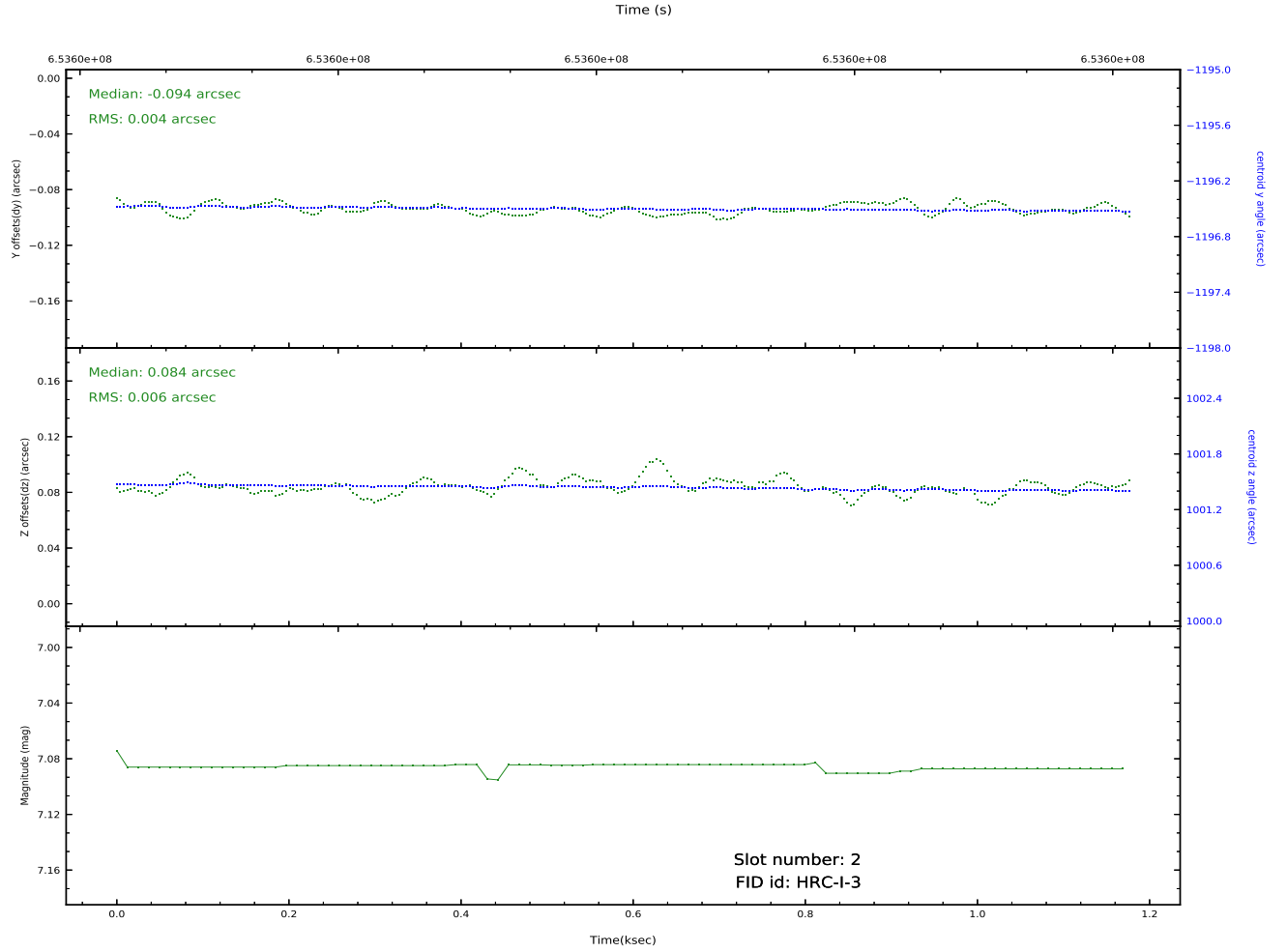
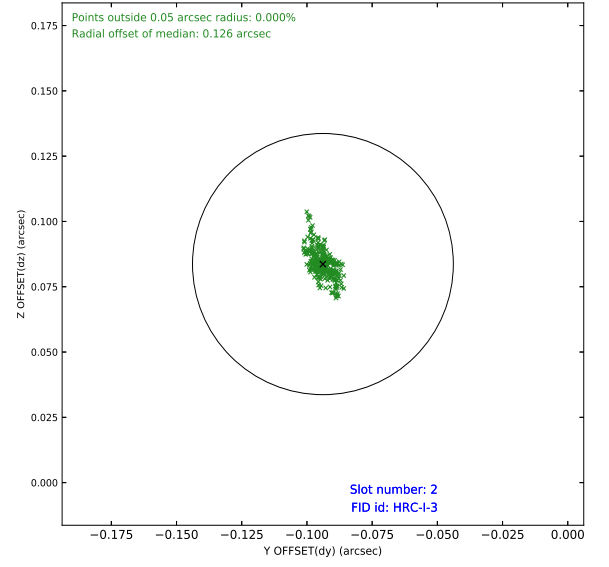
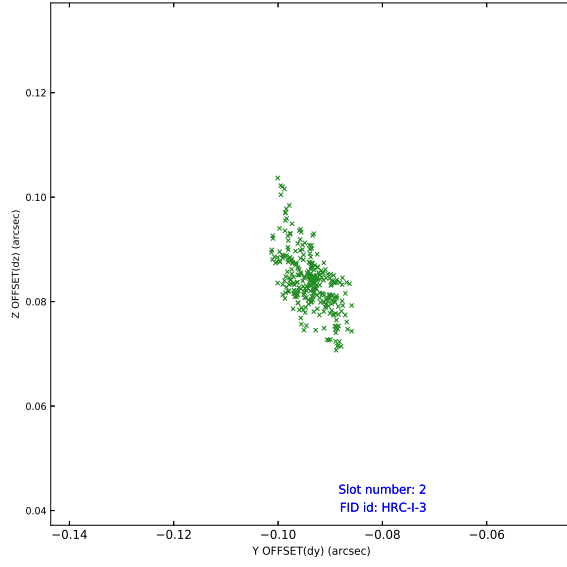
2.5.1 Slot 0



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	1.175931319952

A.2 Comments