

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20682 - L2 Version 2
Chandra X-Ray Center

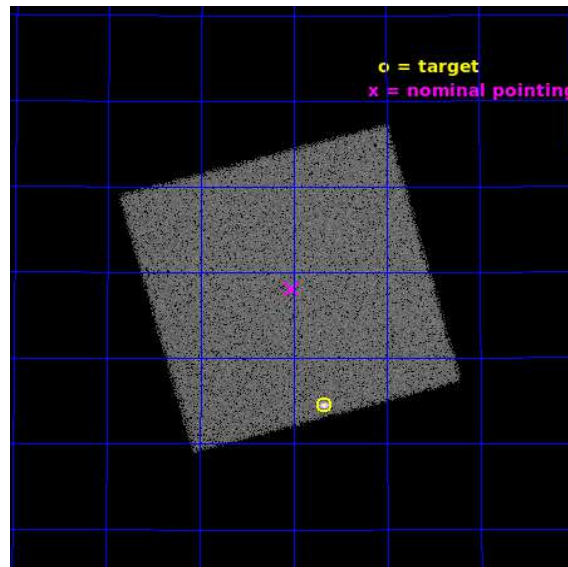
L2 Processing Date : Oct 27 2020

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1 Front

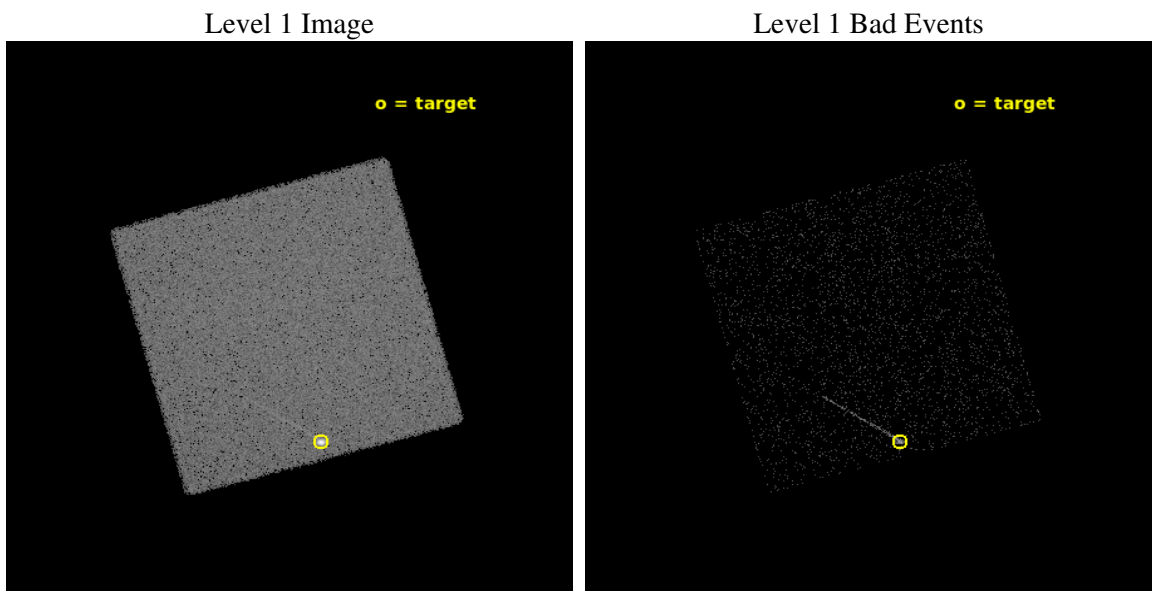
seq_num	291393	Sequence number
obs_id	20682	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25472305984	Nominal RA [deg]
dec_nom	45.968911549727	Nominal Dec [deg]
roll_nom	209.52025720967	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1177.9813201427	[s]
livetime	1161.4387162035	Ontime multiplied by DTCOR
l2events	144373	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	1177.9813201427	[s]
caldbver	4.9.3	 	l1events	242099	Number of level 1 events
date	2020-10-27T19:45:28	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

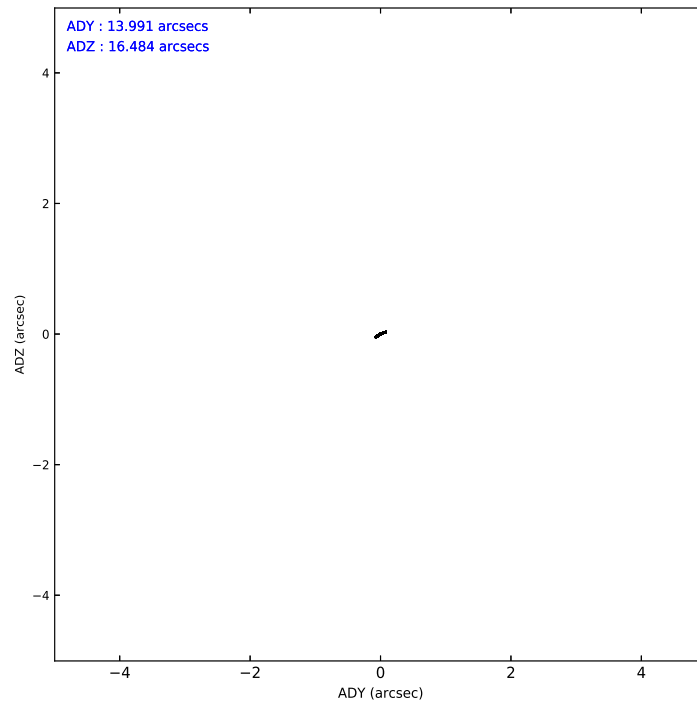
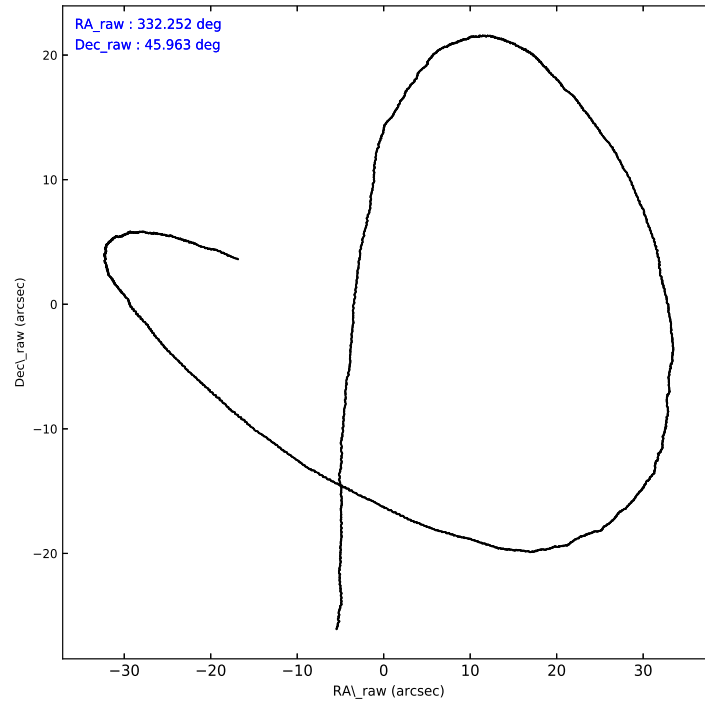
	segment 0
level 1 events	242099
rejected events	52971
rejected %	21%

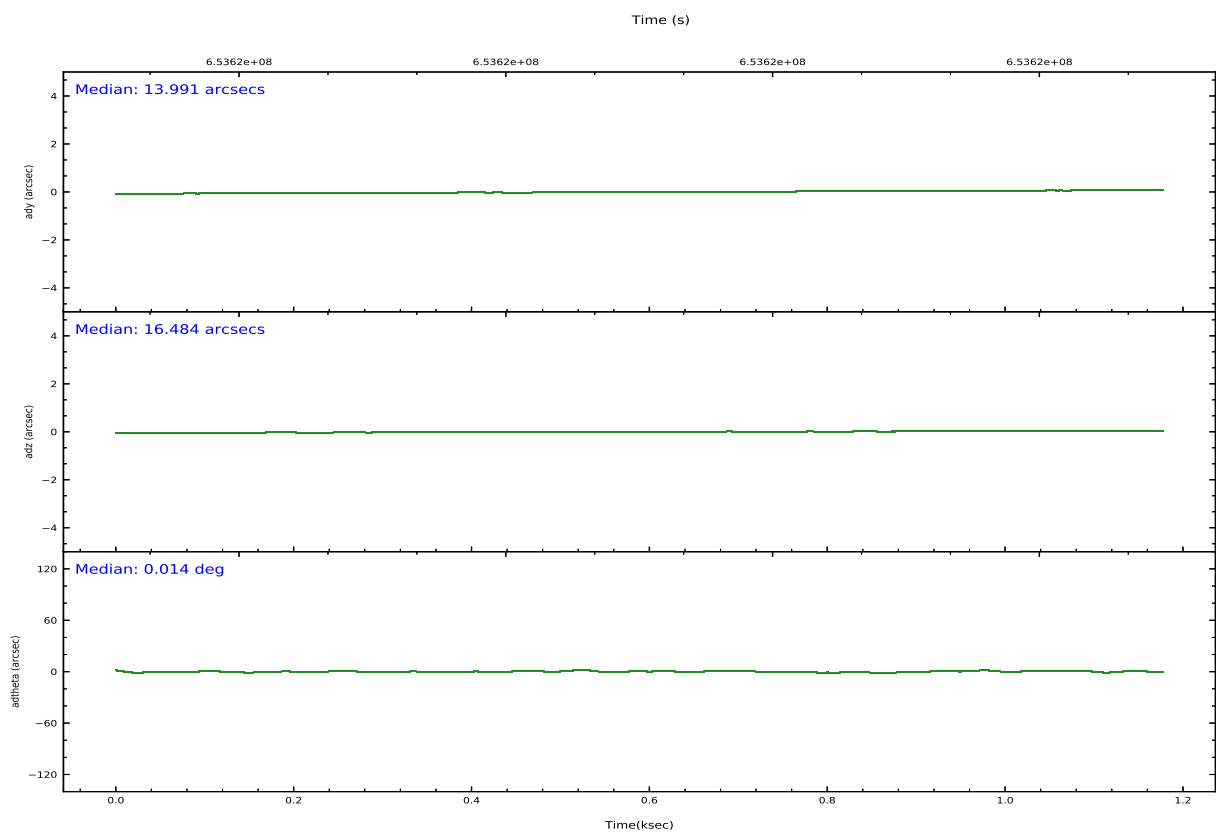
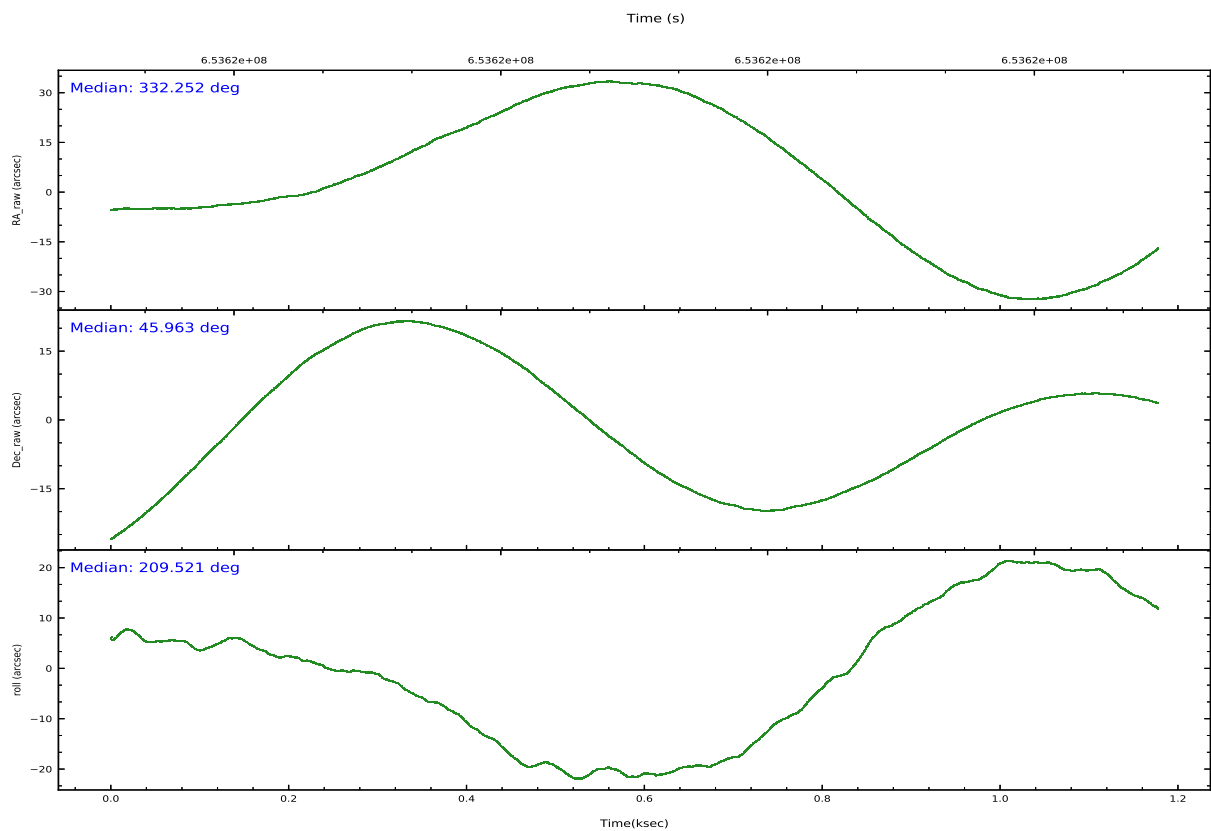
2.2 Compared Parameters

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	332.273056	332.25472305984
[deg] Pointing Dec	45.986129	45.968911549727
[deg] Pointing Roll	209.622298	209.52025720967
[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)	653620340.184000	653619964.25492
Observation start date	2018-09-18T01:11:11	2018-09-18T01:06:04
[s] Observation end time (MET)	653621340.184000	653621474.0800101
Observation end date	2018-09-18T01:27:51	2018-09-18T01:31:14

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

2.3 Aspect



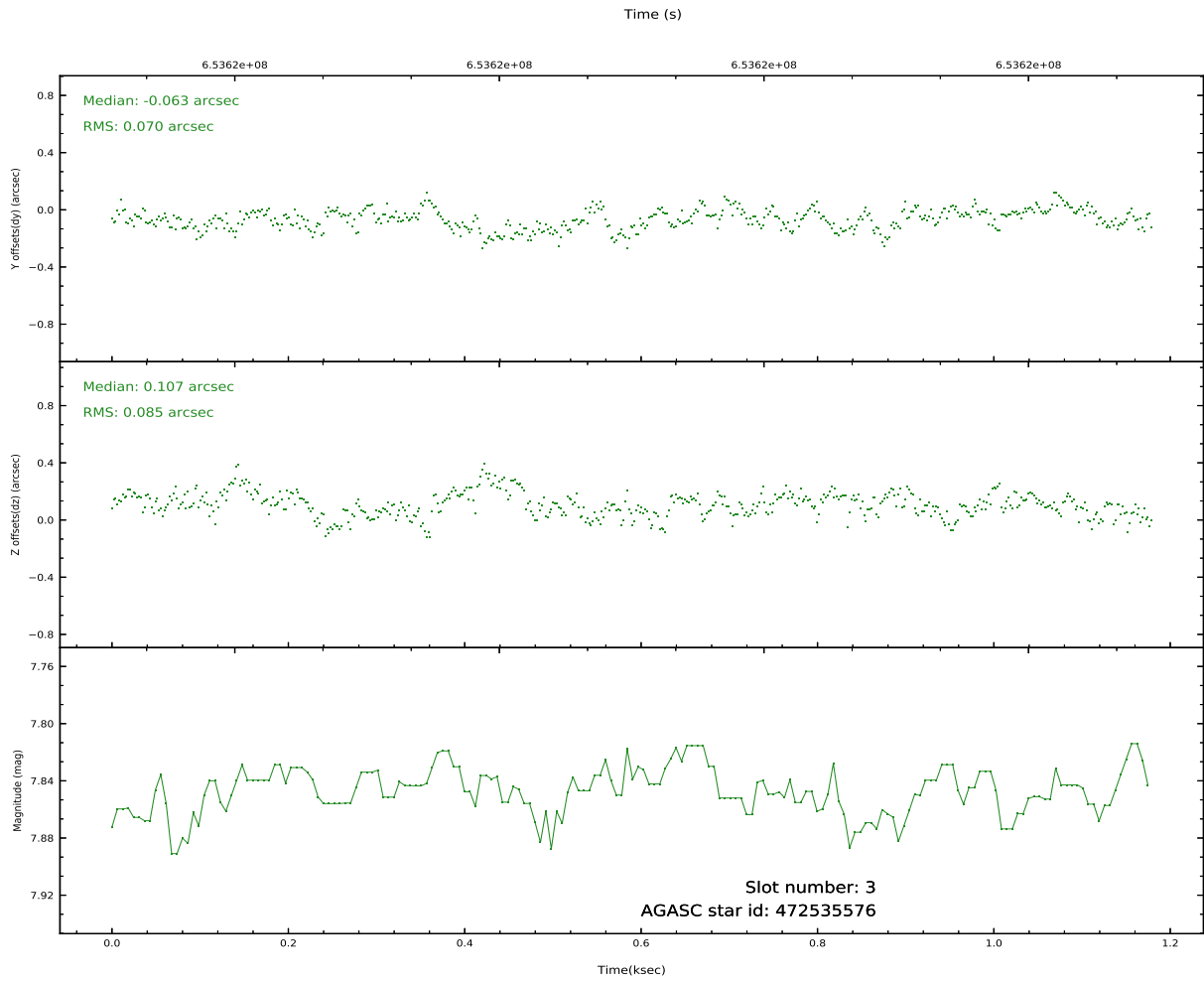
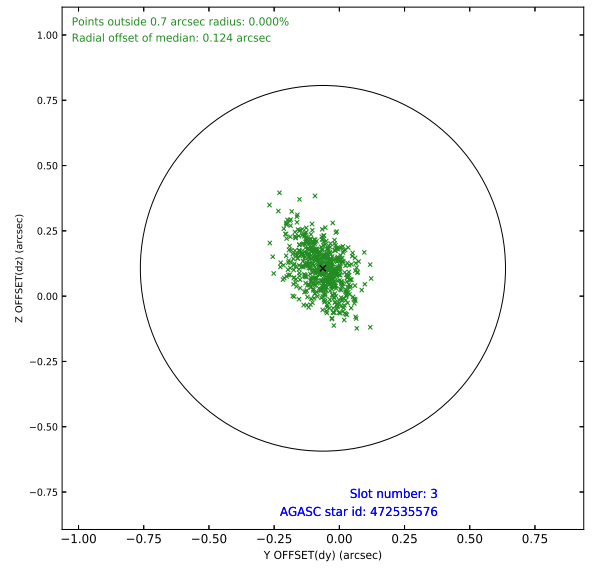
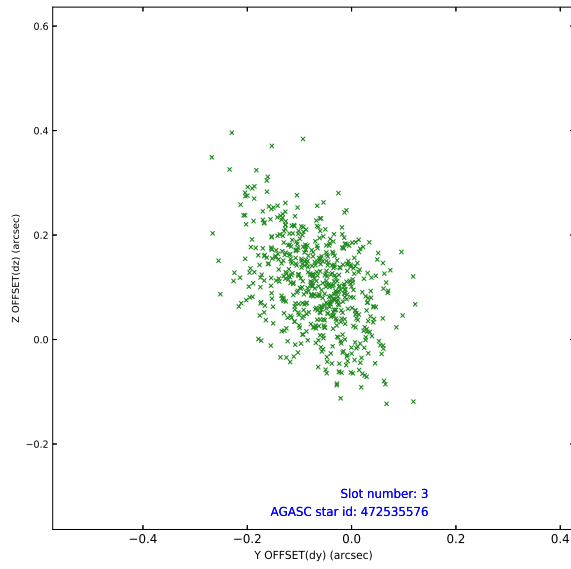


Slot Statistics

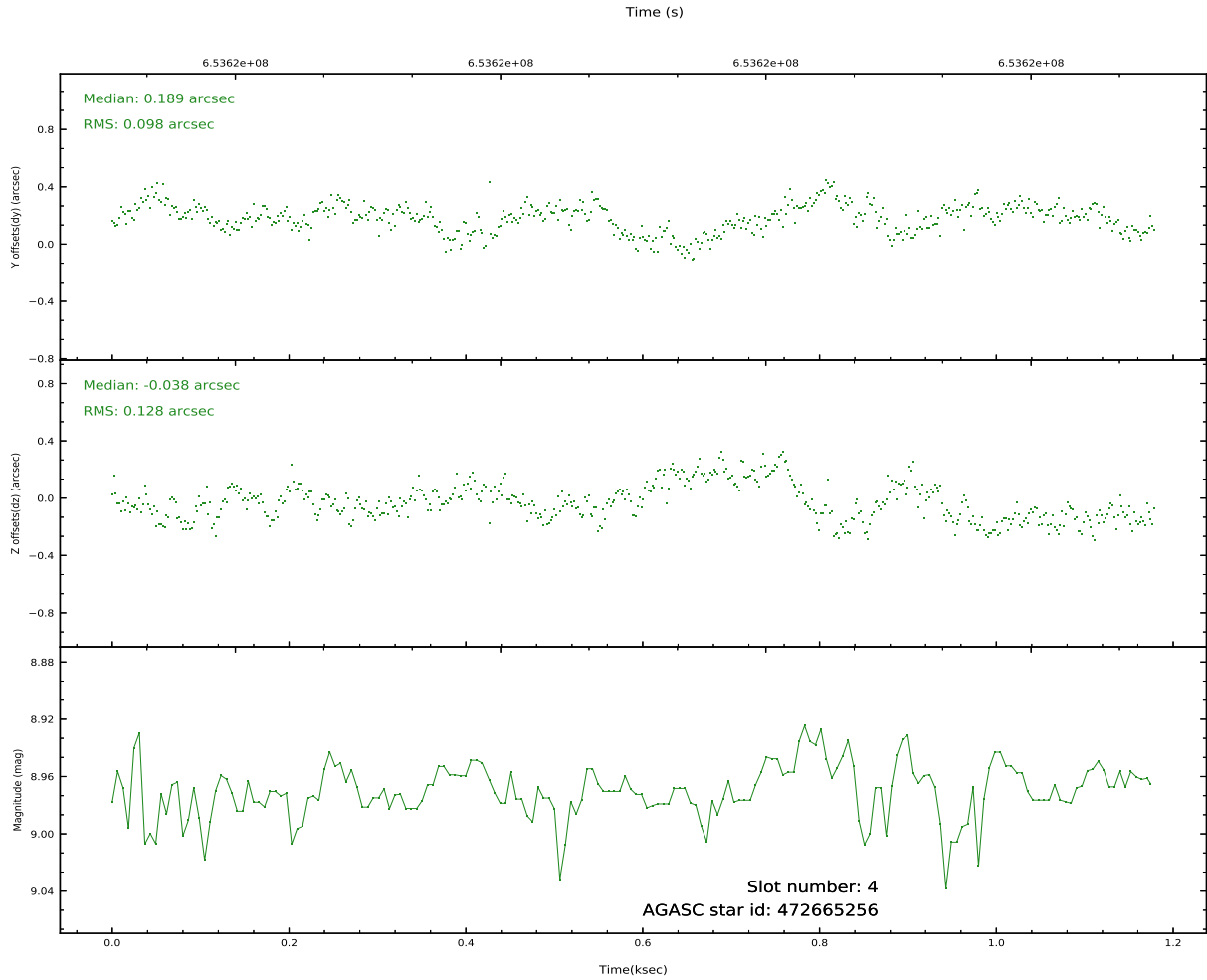
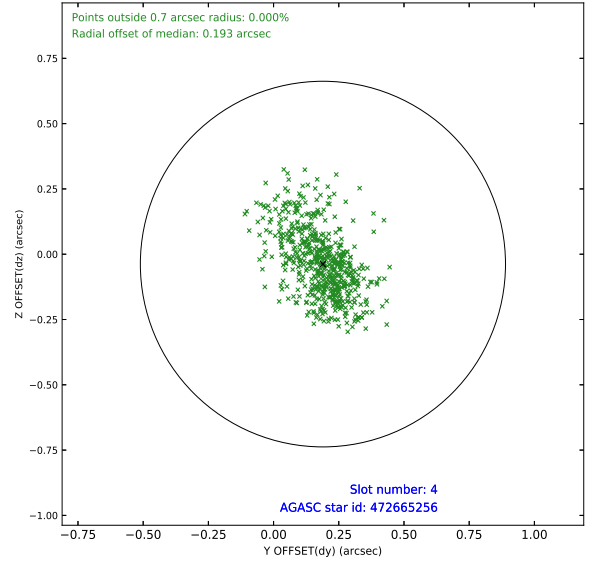
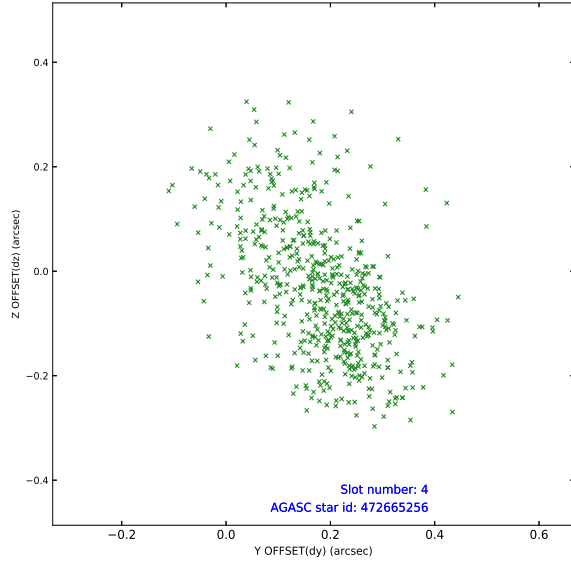
	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	m
	FID		HRC-I-1	7.03	288	1.000	-0.148	0.060	0.006	0.012	0.000000	0.000000	-770.04	-13
	FID		HRC-I-2	7.05	288	1.000	0.288	-0.145	0.008	0.014	0.000000	0.000000	840.36	-13
	FID		HRC-I-4	7.04	288	1.000	-0.023	-0.008	0.005	0.011	0.000000	0.000000	1276.01	9
	GUIDE	used	472535576	7.85	576	1.000	-0.063	0.107	0.117	0.195	331.438373	46.291802	1254.99	-19
	GUIDE	used	472665256	8.97	575	1.000	0.189	-0.038	0.171	0.288	332.808125	46.195041	-1531.50	
	GUIDE	used	472536328	8.08	576	1.000	-0.064	0.156	0.113	0.208	331.496671	46.454831	832.03	-24
	GUIDE	used	472523760	8.22	574	1.000	0.030	-0.035	0.102	0.168	331.645363	45.403260	2414.15	10
	BAD	used	472655152	9.42	542	1.000	-0.084	-0.204	0.215	0.348	332.504239	45.862991	-280.66	6

2.4 Star Slots

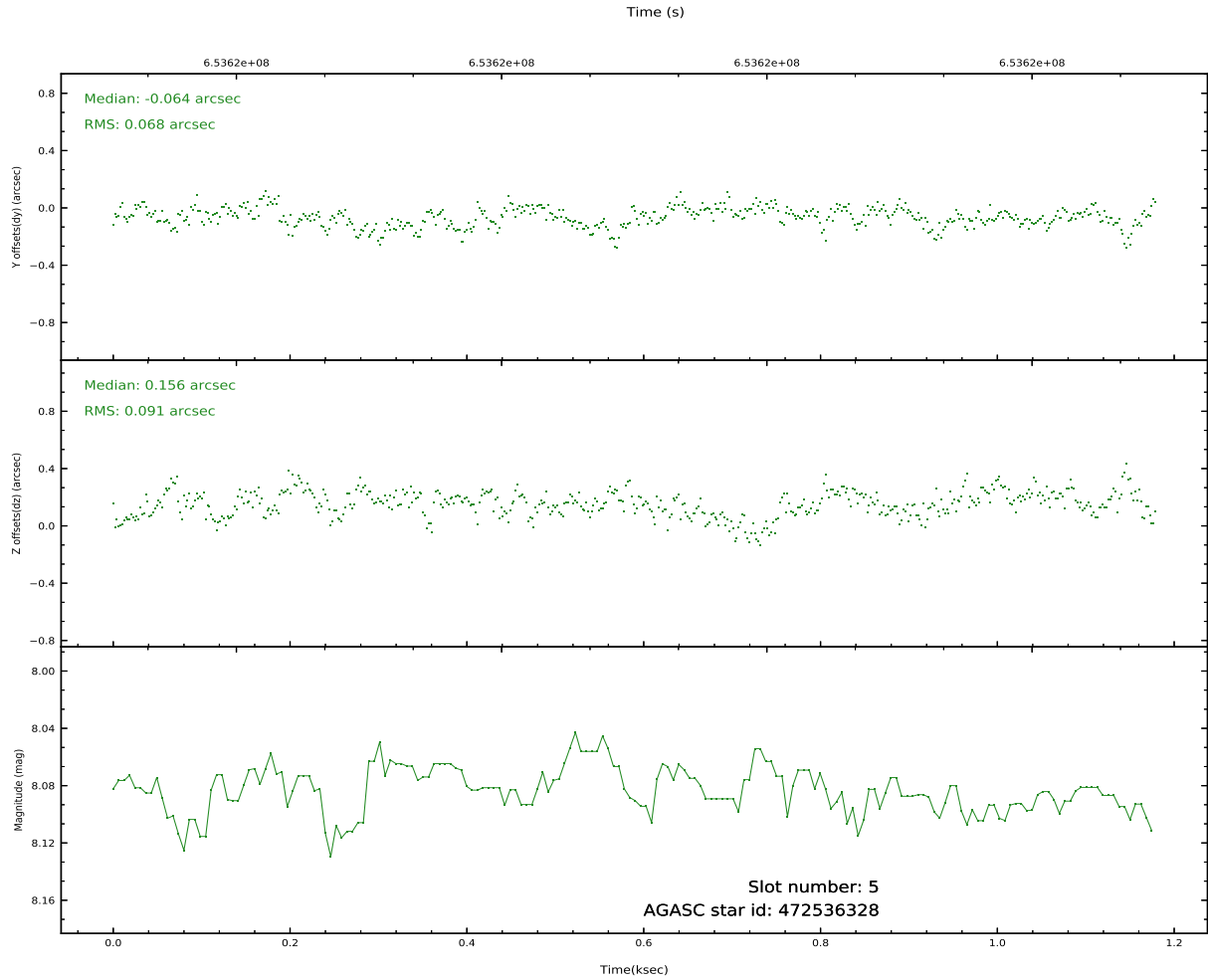
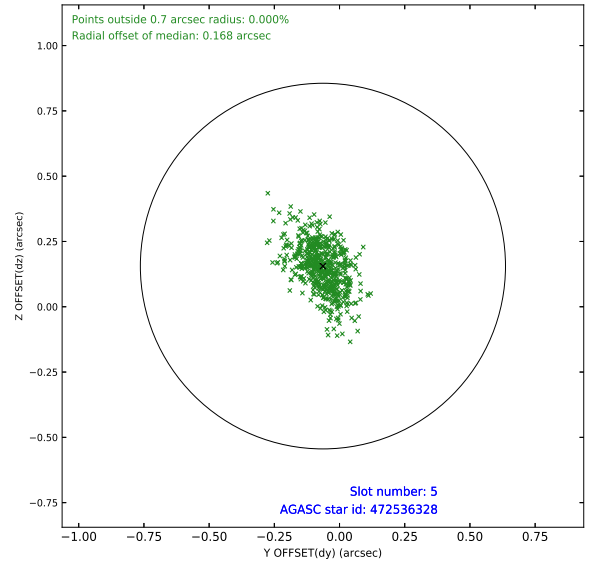
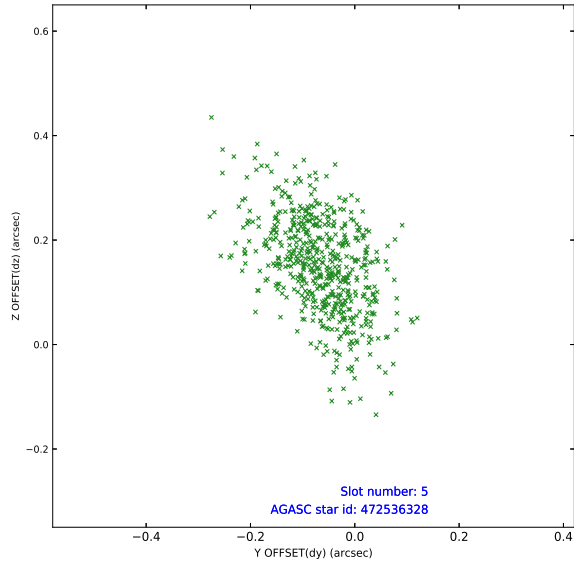
2.4.1 Slot 3



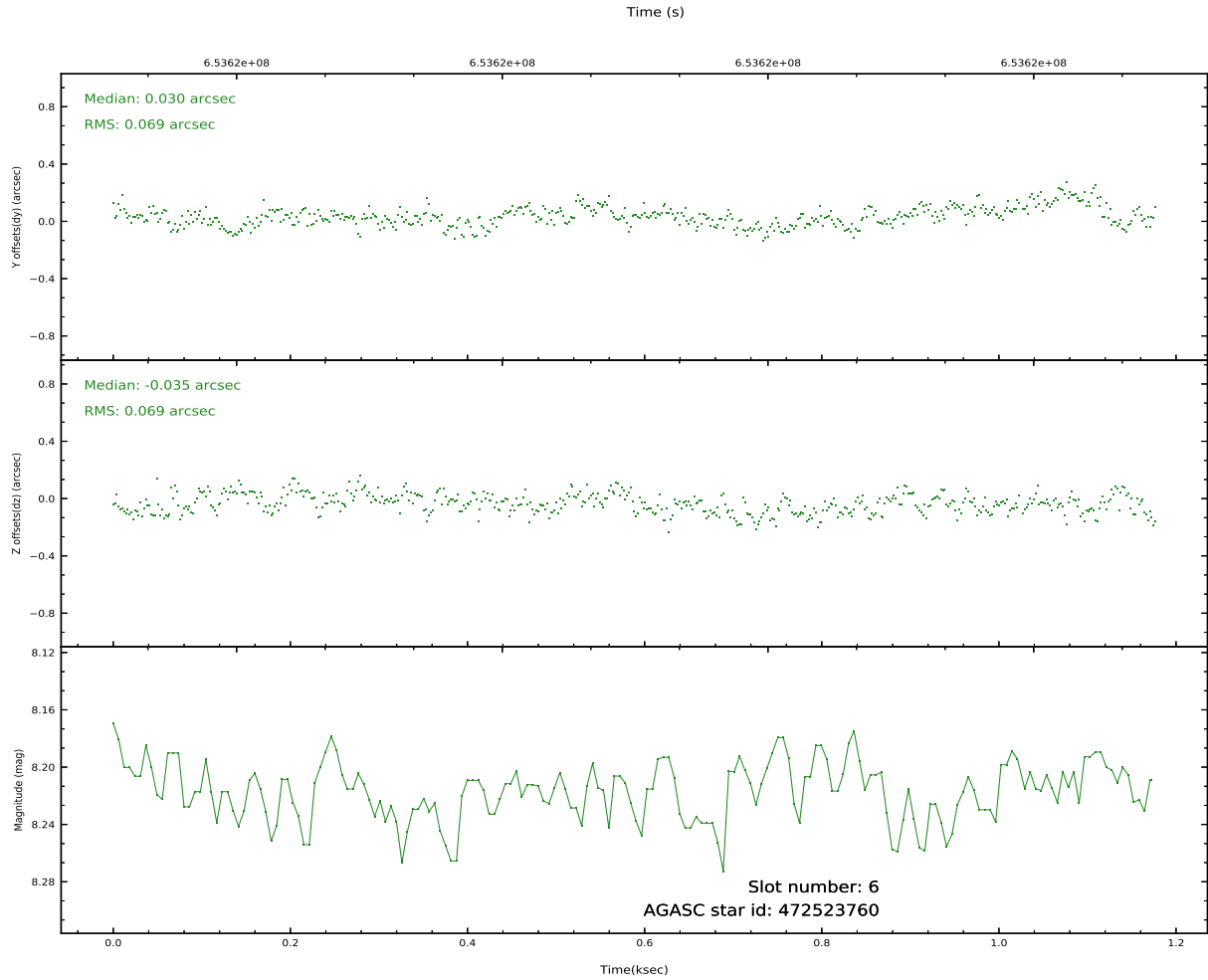
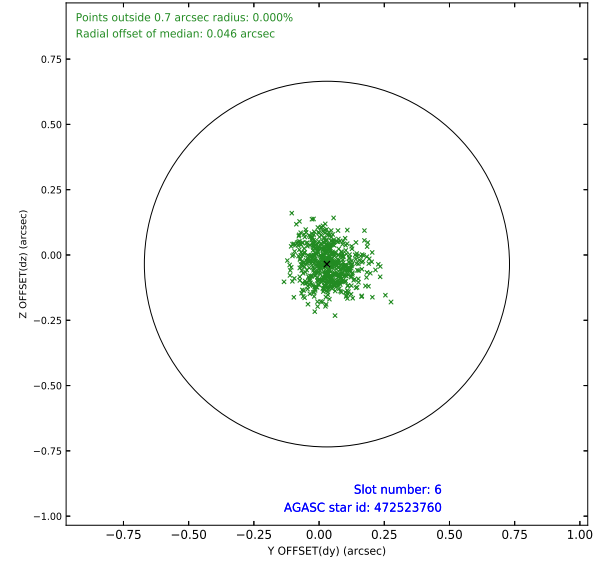
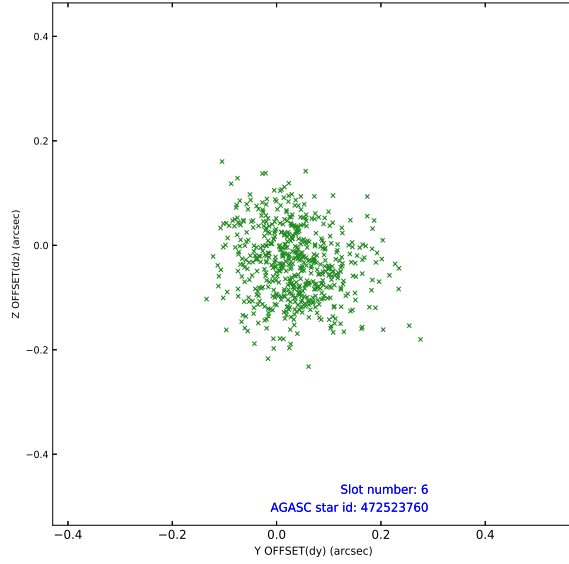
2.4.2 Slot 4



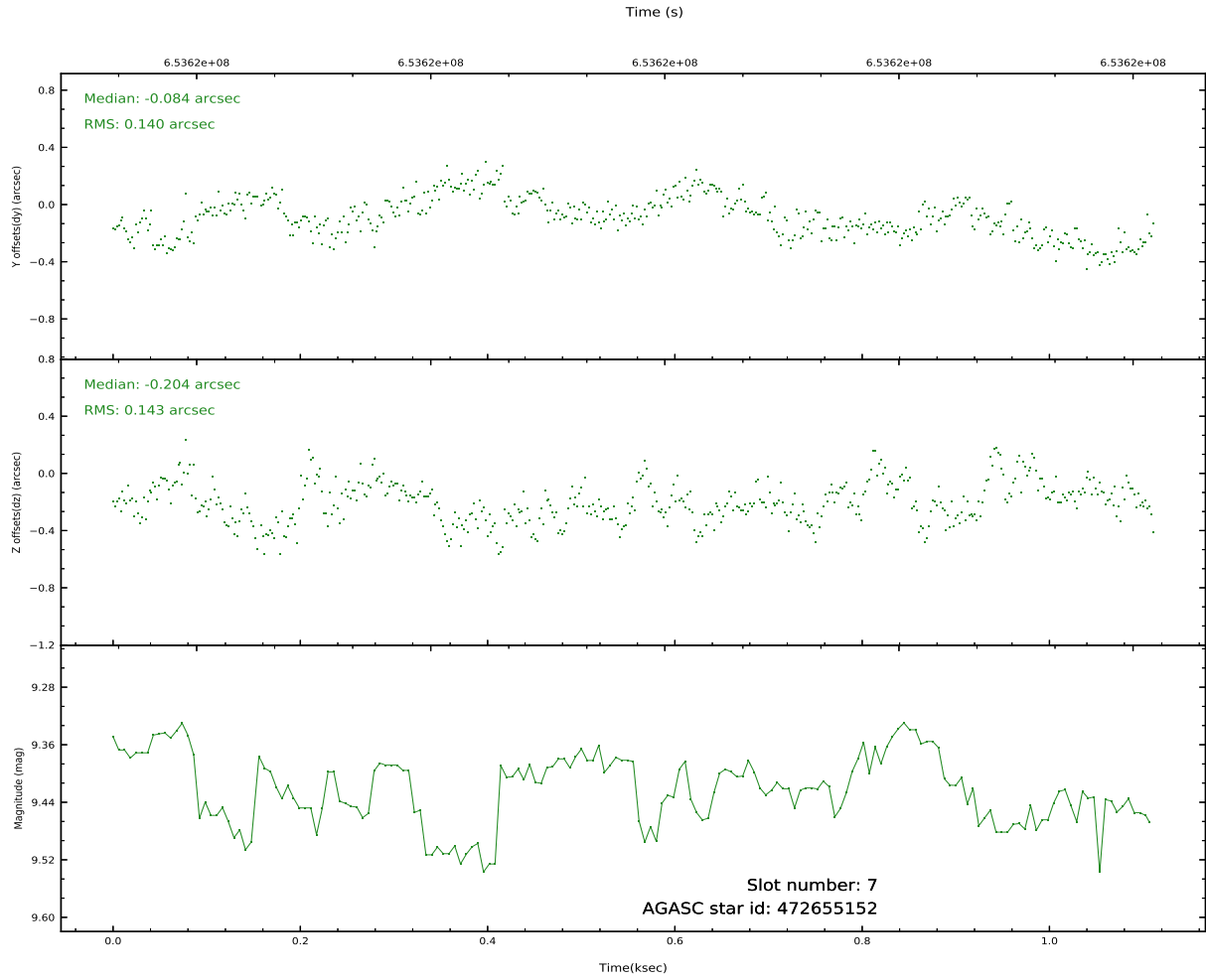
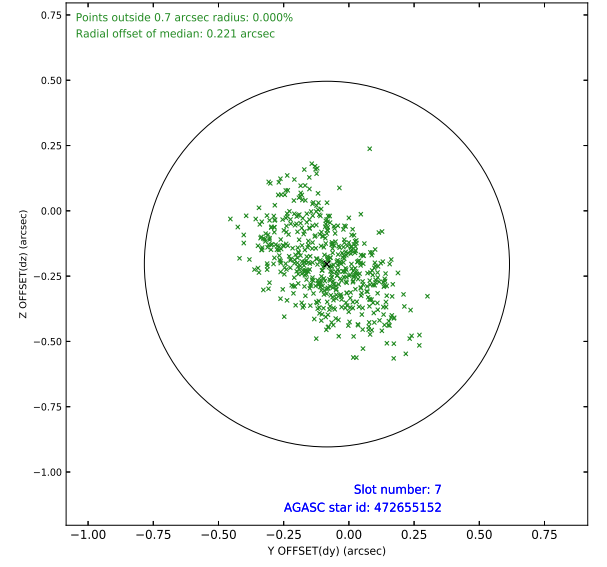
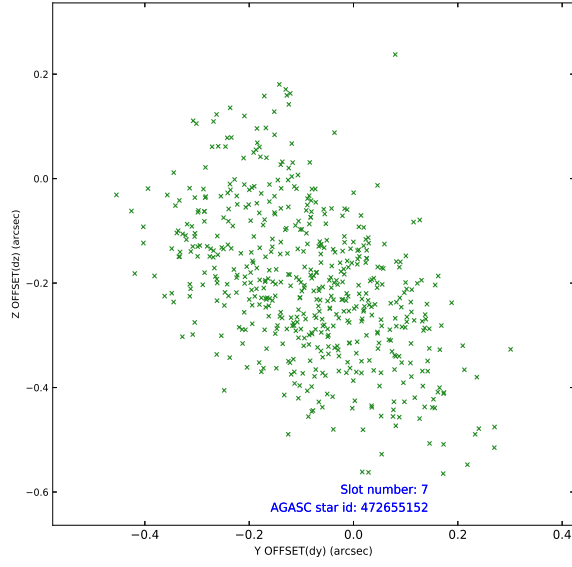
2.4.3 Slot 5



2.4.4 Slot 6

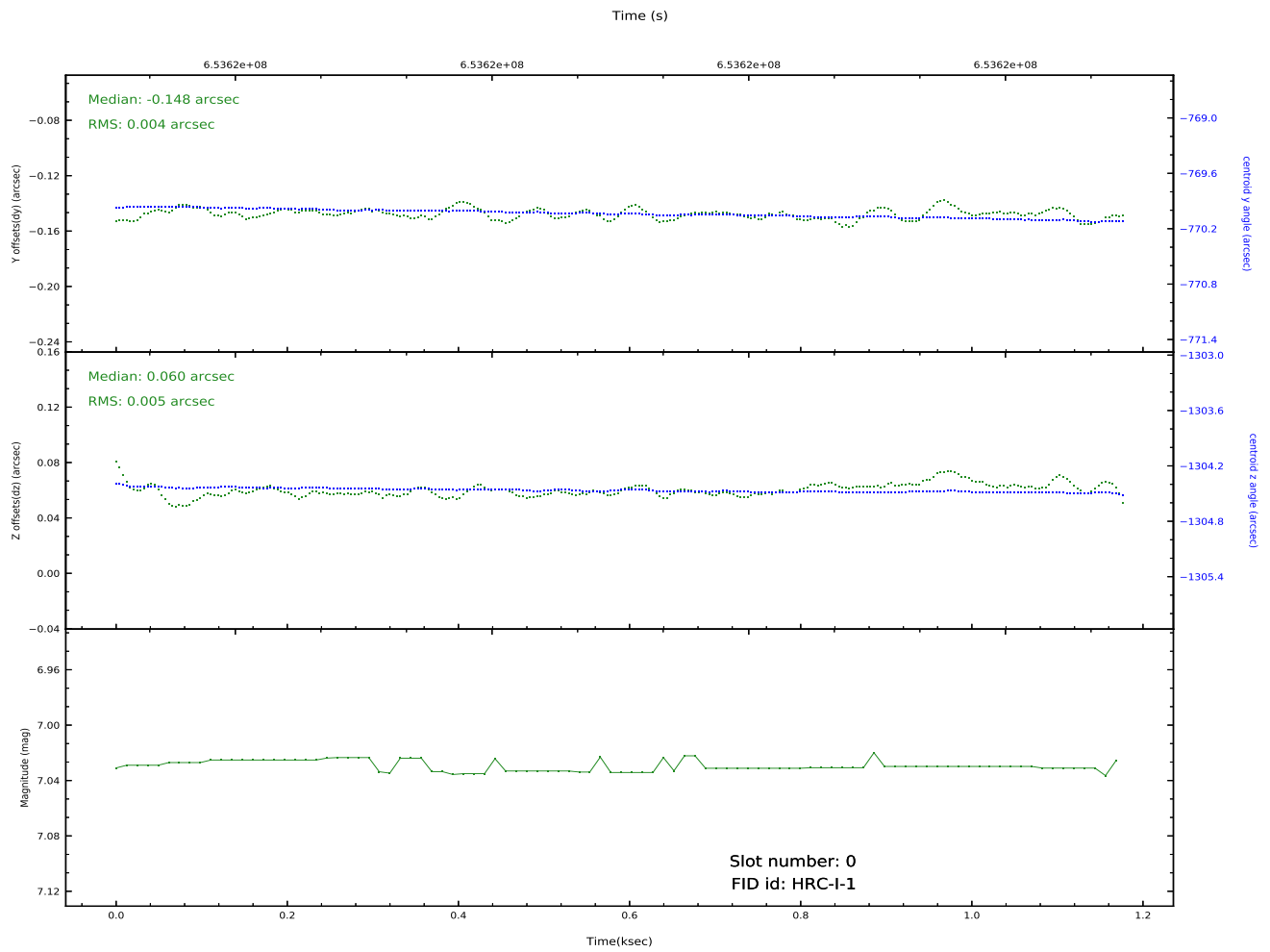
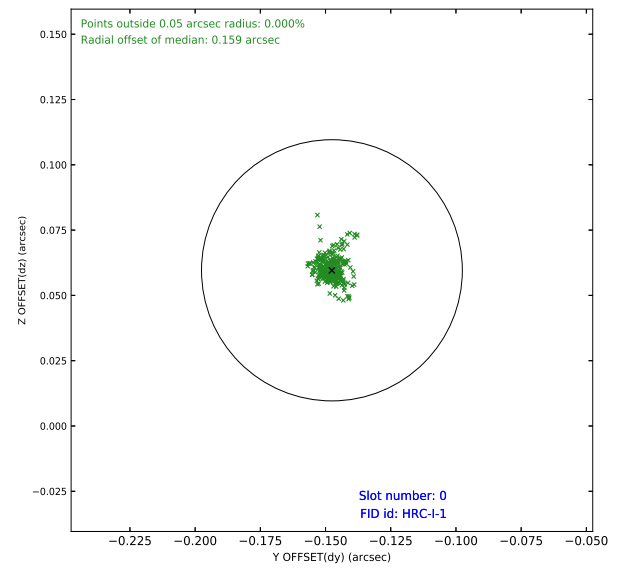
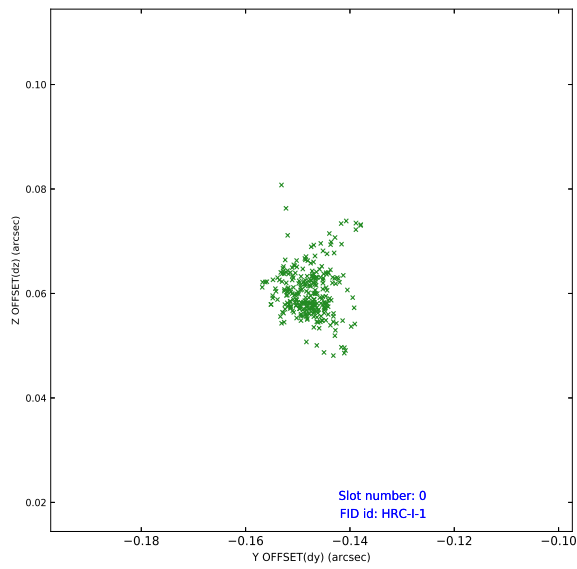


2.4.5 Slot 7

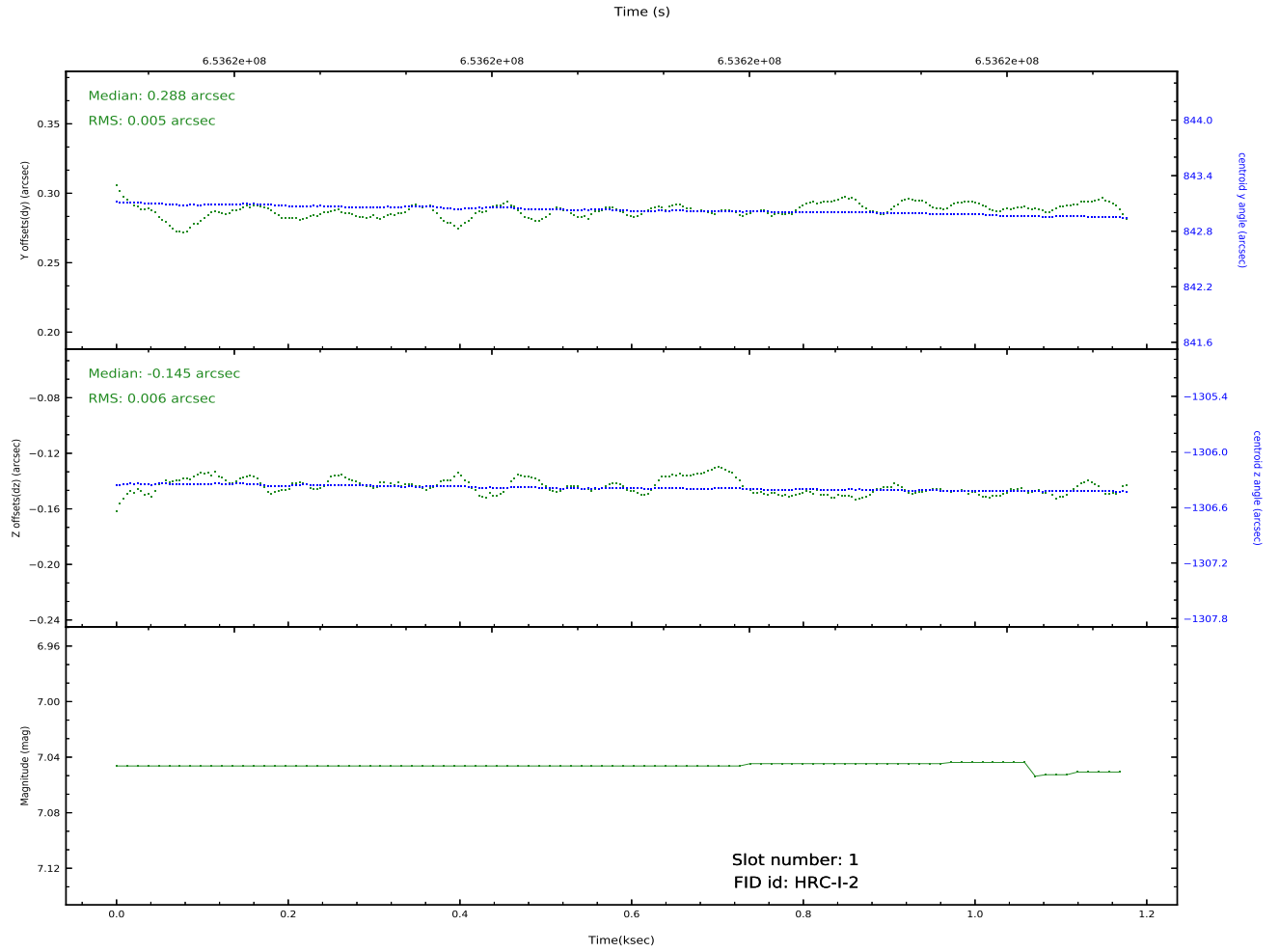
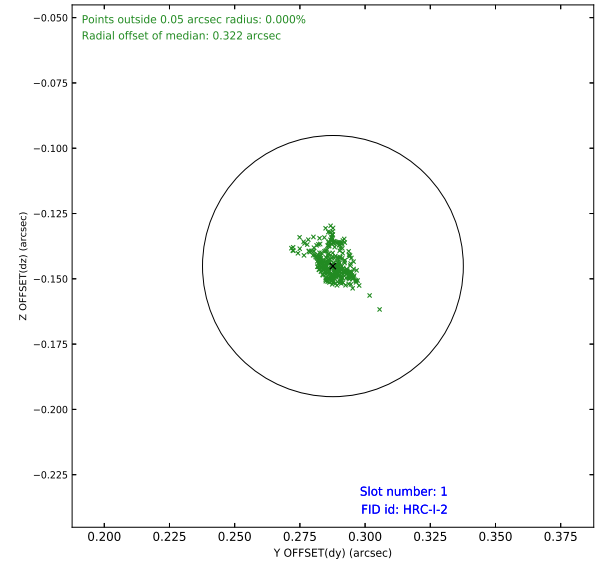
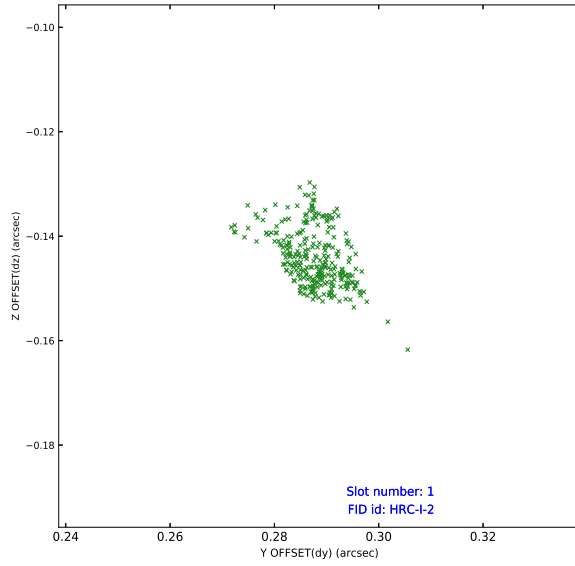


2.5 FID Slots

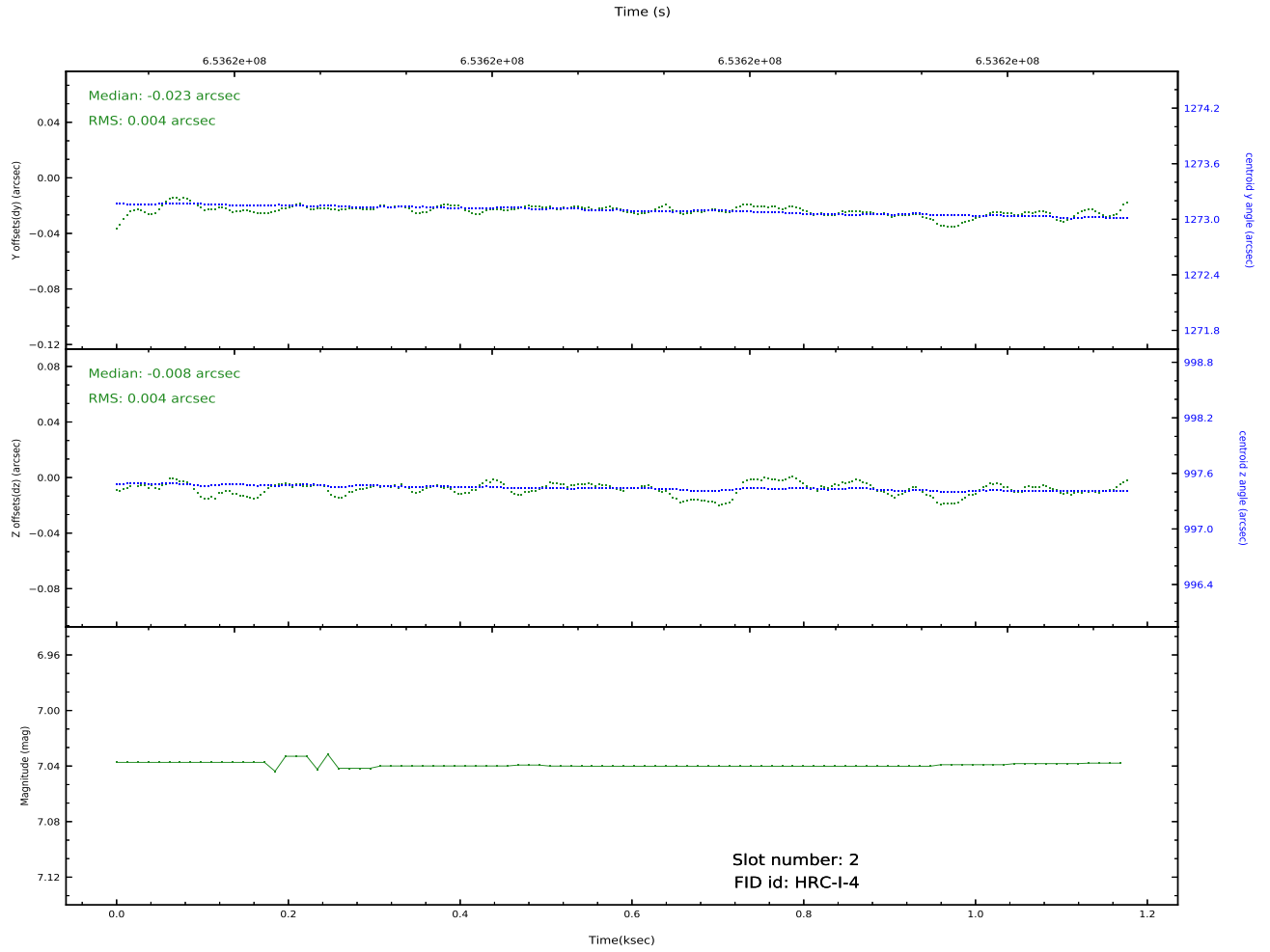
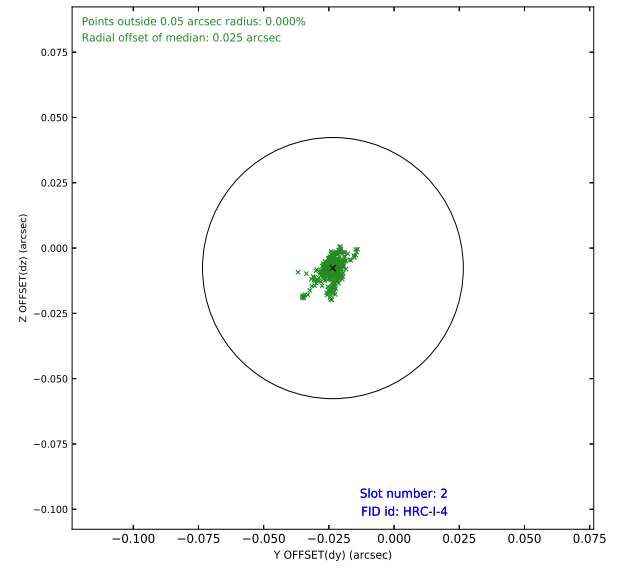
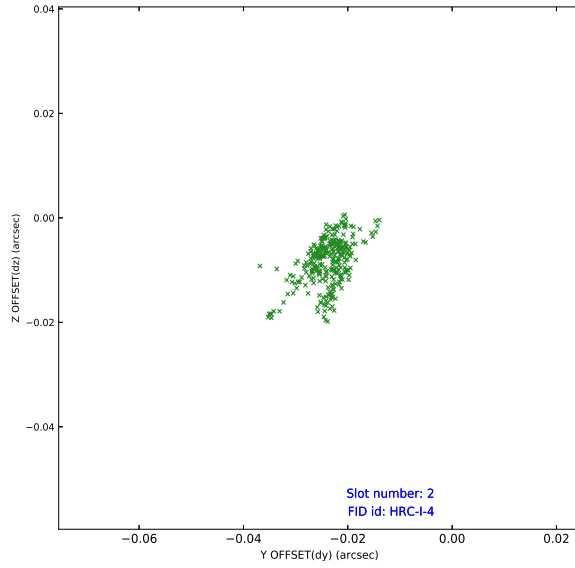
2.5.1 Slot 0



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	1.1777250701189

A.2 Comments