

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20666 - L2 Version 2
Chandra X-Ray Center

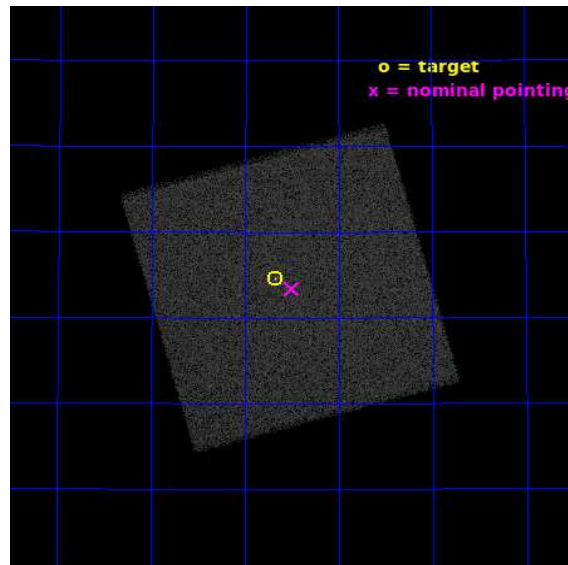
L2 Processing Date : Oct 27 2020

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1 Front

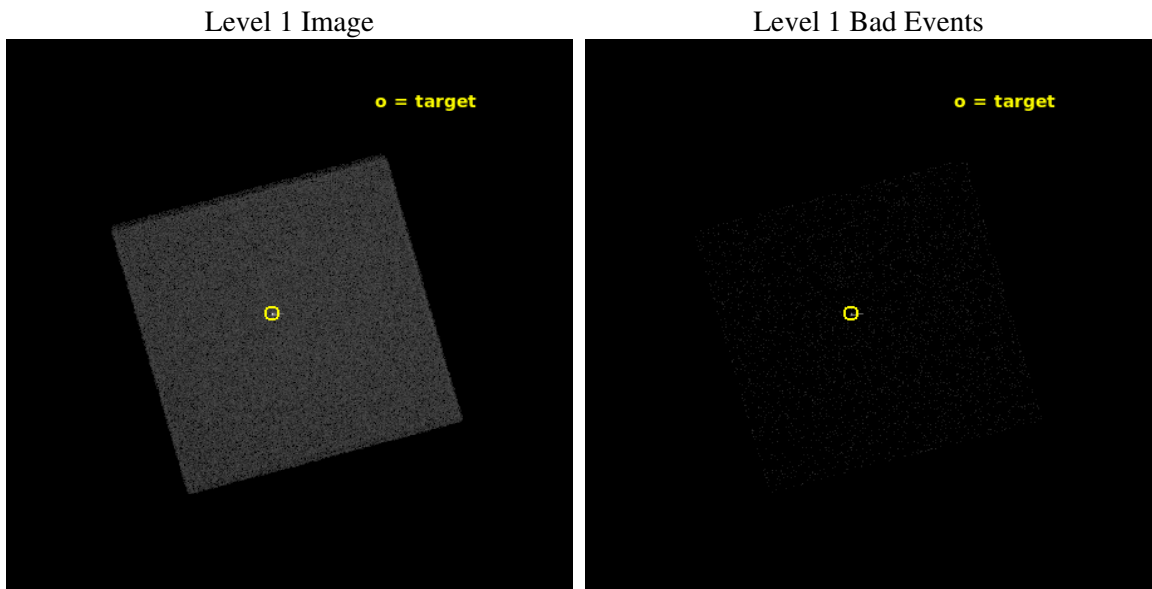
seq_num	291377	Sequence number
obs_id	20666	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12497862023	Nominal RA [deg]
dec_nom	45.723291154885	Nominal Dec [deg]
roll_nom	209.42057565649	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1171.831319809	[s]
livetime	1155.1410764888	Ontime multiplied by DTCOR
l2events	145950	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	1171.831319809	[s]
caldbver	4.9.3	 	l1events	245459	Number of level 1 events
date	2020-10-27T19:09:30	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

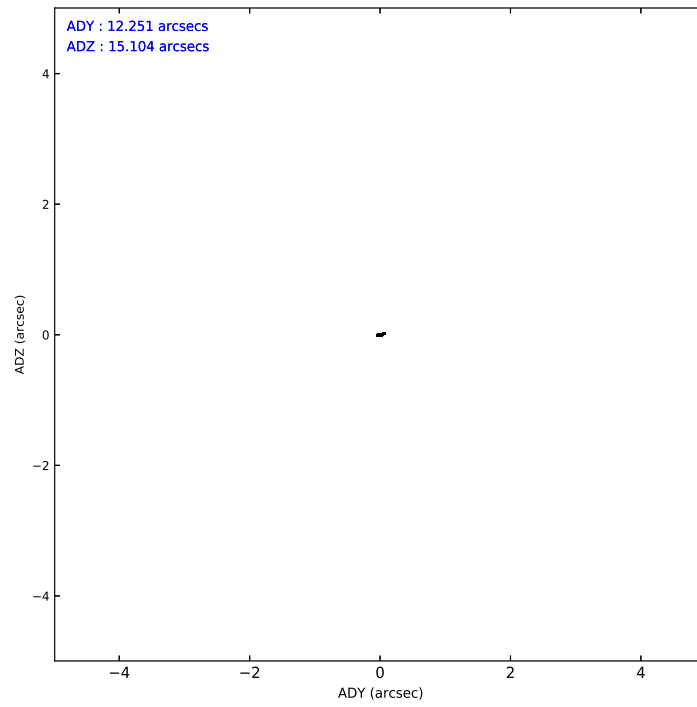
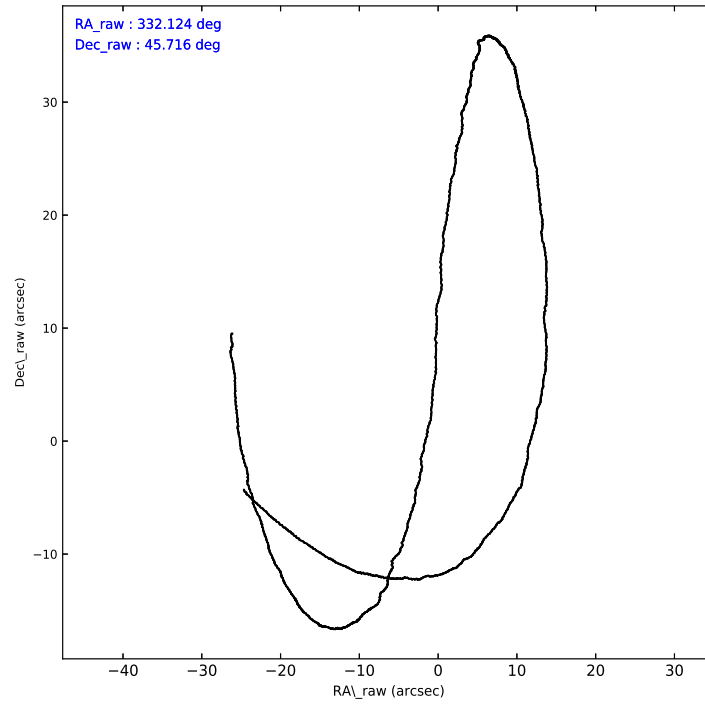
	segment 0
level 1 events	245459
rejected events	54679
rejected %	22%

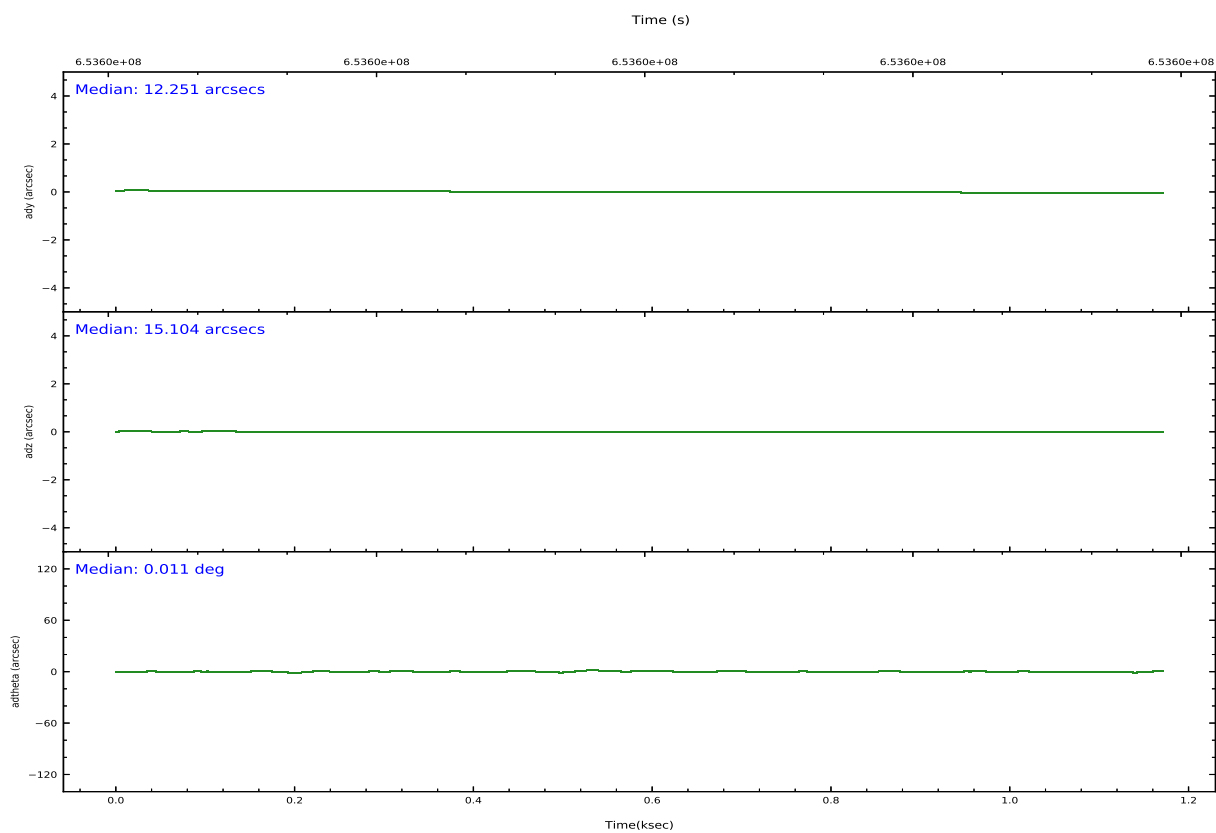
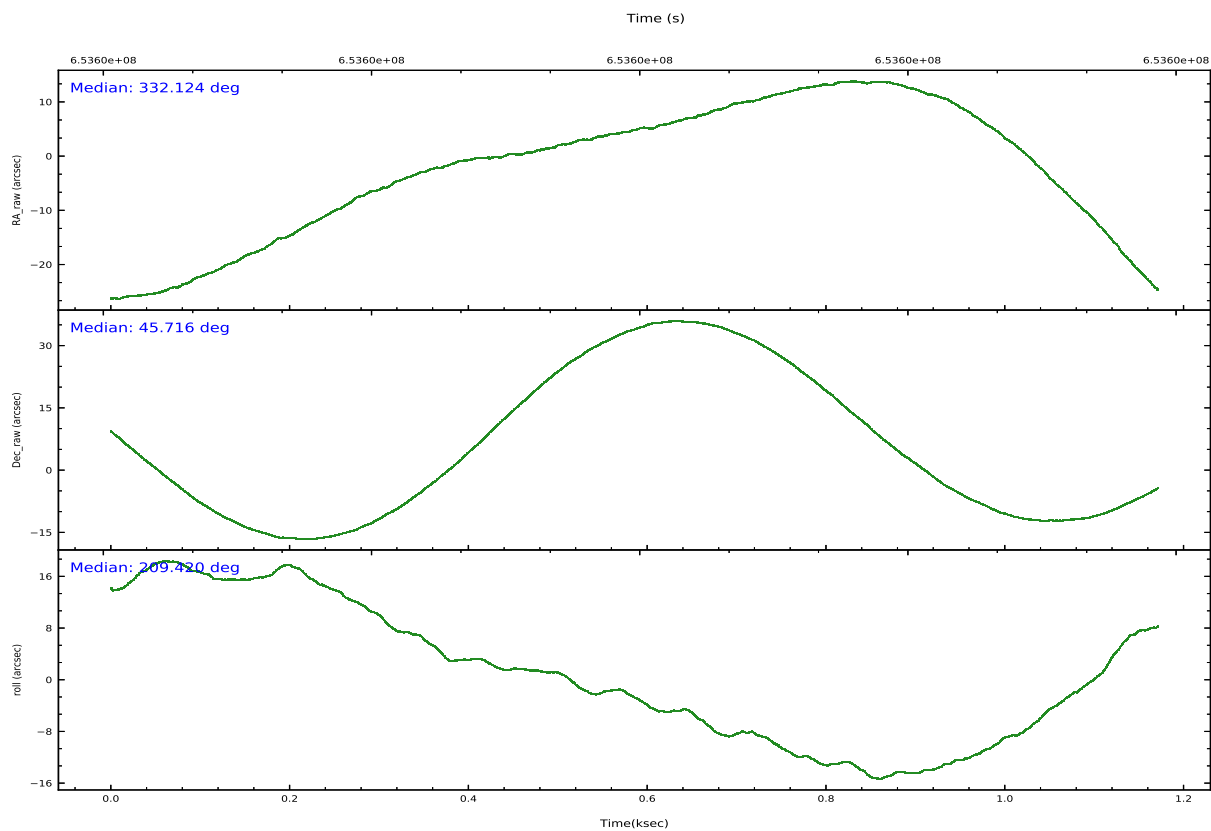
2.2 Compared Parameters

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	332.142325	332.12497862023
[deg] Pointing Dec	45.742737	45.723291154885
[deg] Pointing Roll	209.515381	209.42057565649
[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)	653596180.184000	653595803.97848
Observation start date	2018-09-17T18:28:31	2018-09-17T18:23:23
[s] Observation end time (MET)	653597180.184000	653597313.80357
Observation end date	2018-09-17T18:45:11	2018-09-17T18:48:33

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

2.3 Aspect



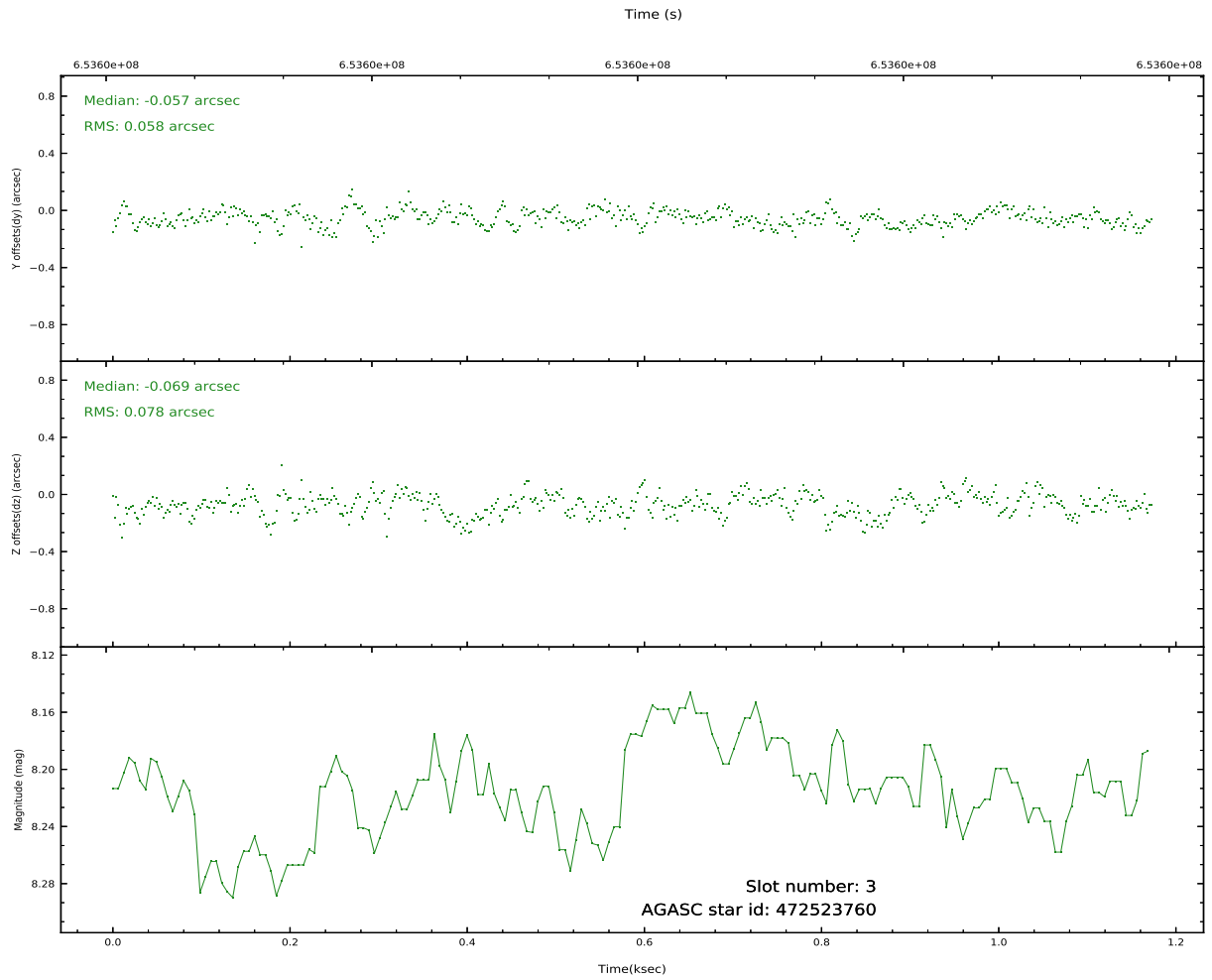
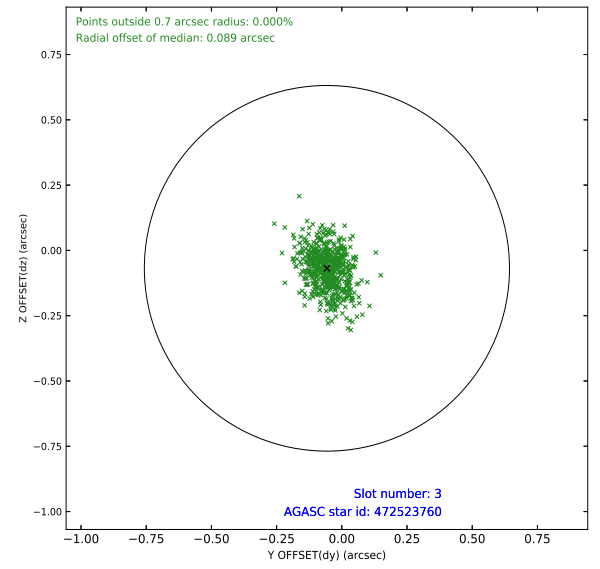
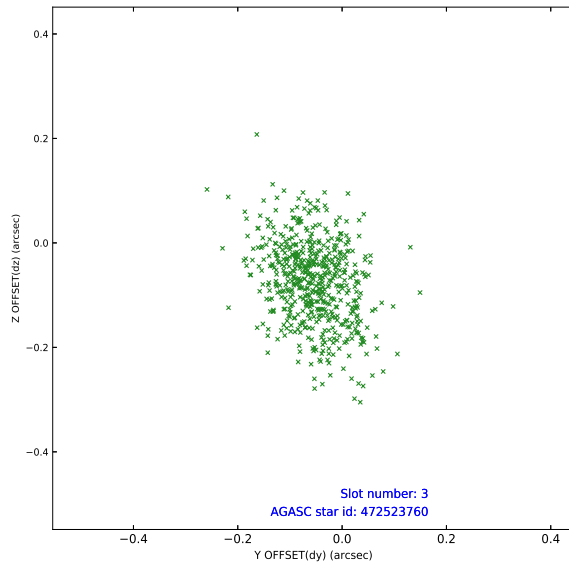


Slot Statistics

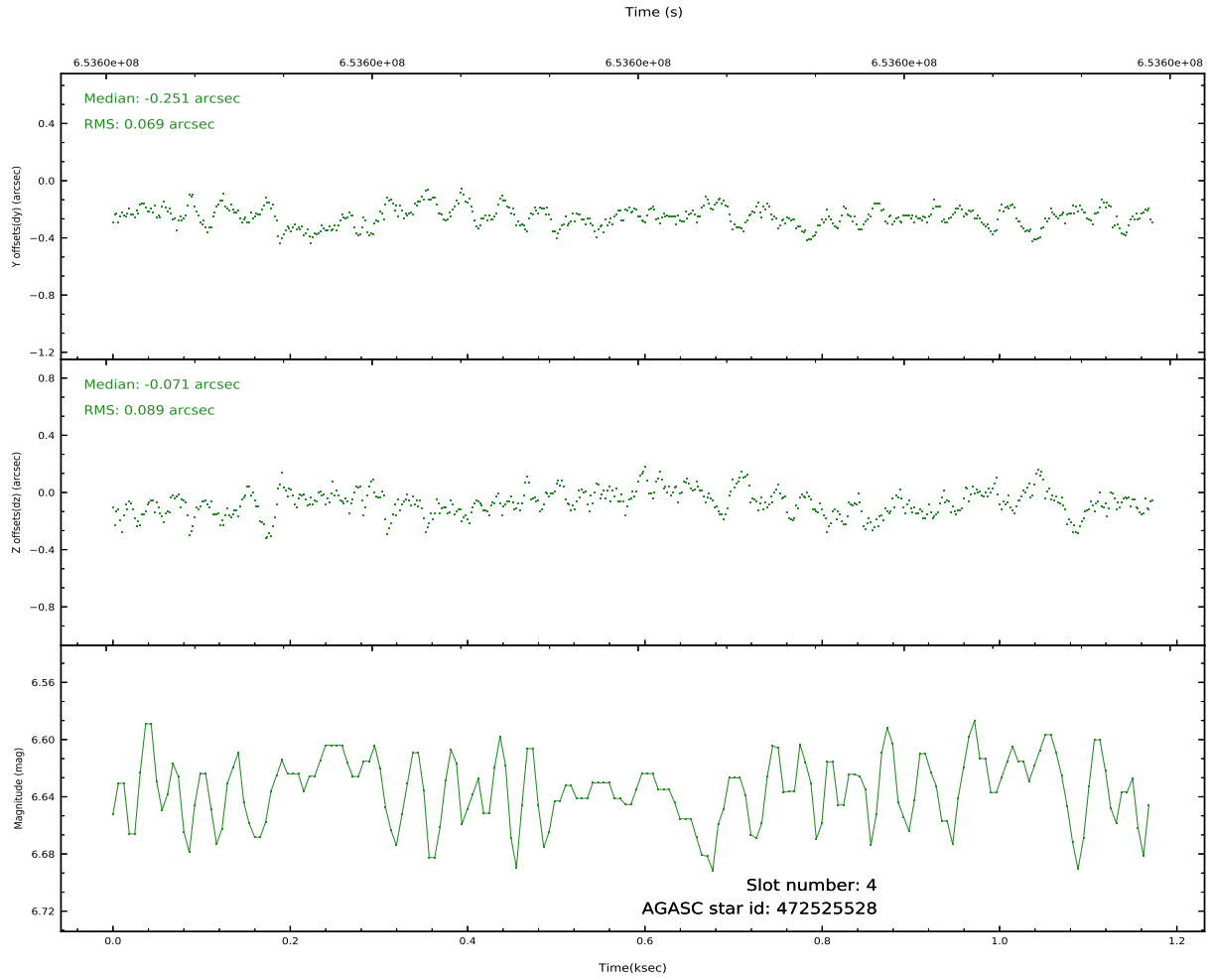
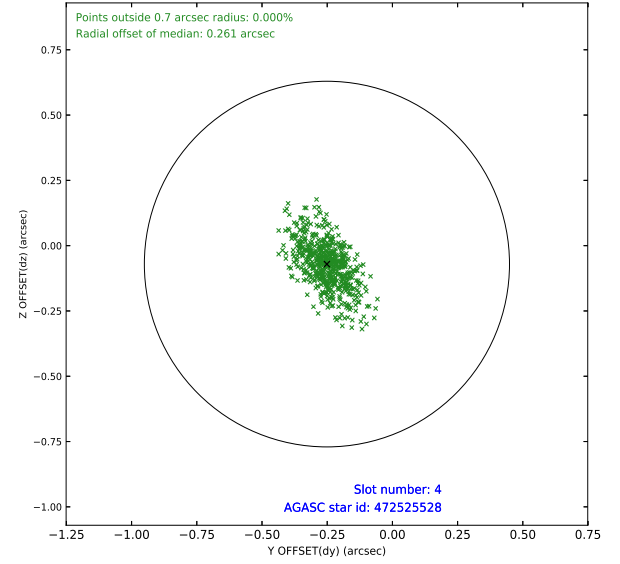
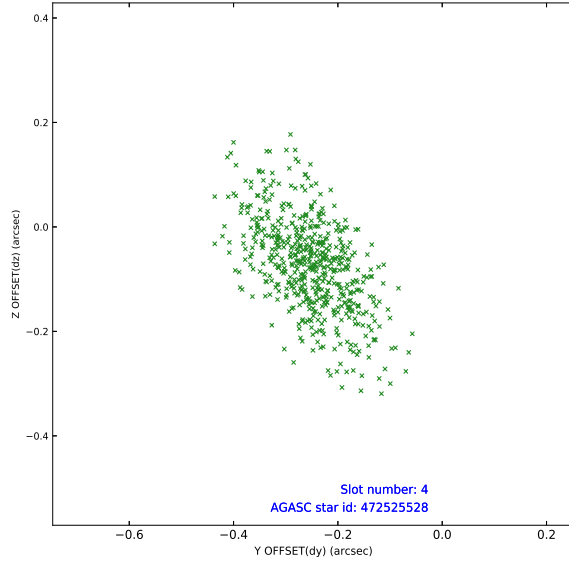
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.03	286	1.000	0.179	-0.128	0.007	0.012	0.000000	0.000000	844.78	-1304
1	FID		HRC-I-3	7.08	287	1.000	-0.220	0.118	0.007	0.010	0.000000	0.000000	-1193.71	997
2	FID		HRC-I-4	7.03	286	1.000	0.160	-0.077	0.006	0.011	0.000000	0.000000	1270.83	1002
3	GUIDE	used	472523760	8.21	573	1.000	-0.057	-0.069	0.102	0.169	331.645363	45.403260	1692.50	437
4	GUIDE	used	472525528	6.63	573	1.000	-0.251	-0.071	0.116	0.205	331.551102	45.248694	2178.88	801
5	GUIDE	used	472533912	9.11	573	1.000	0.173	0.077	0.170	0.281	331.791136	46.368695	-348.82	-2394
6	GUIDE	used	472655152	9.40	571	1.000	0.009	-0.202	0.204	0.329	332.504239	45.862991	-1005.39	60
7	GUIDE	used	472665256	8.96	572	1.000	0.122	0.273	0.146	0.225	332.808125	46.195041	-2251.93	-609

2.4 Star Slots

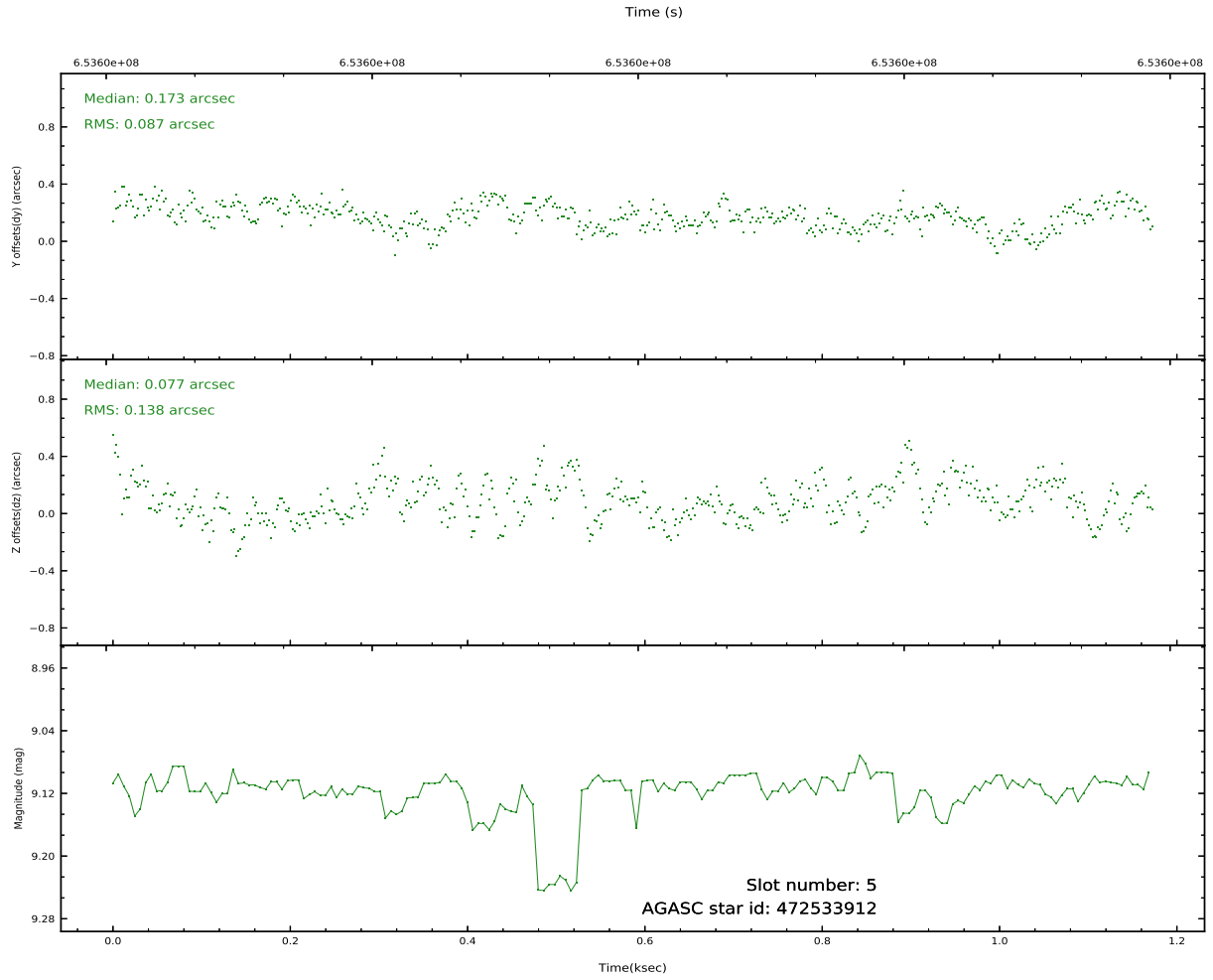
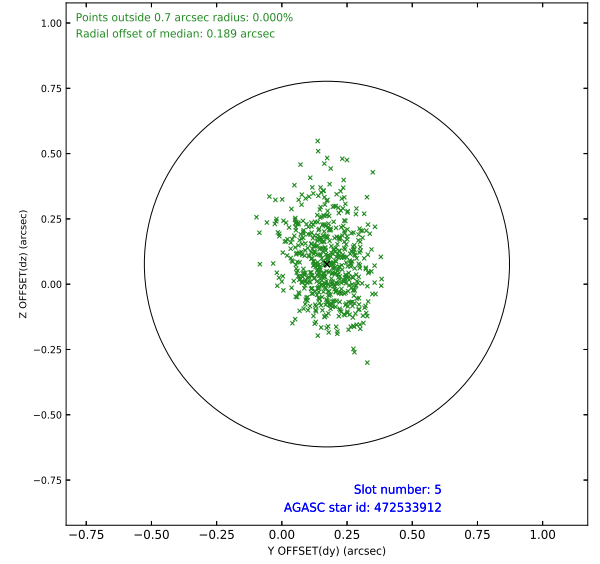
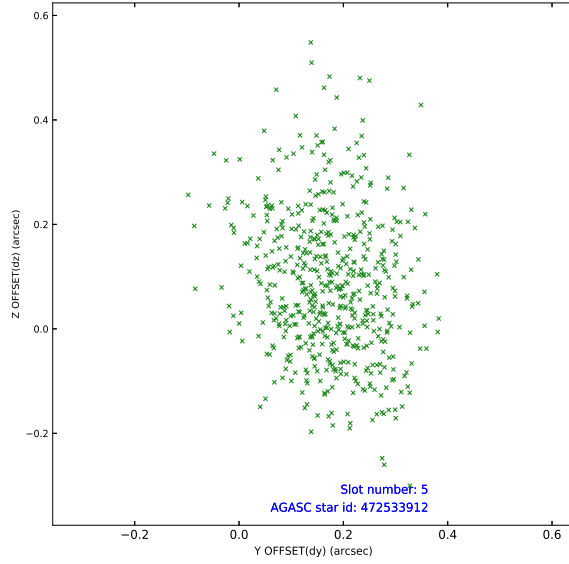
2.4.1 Slot 3



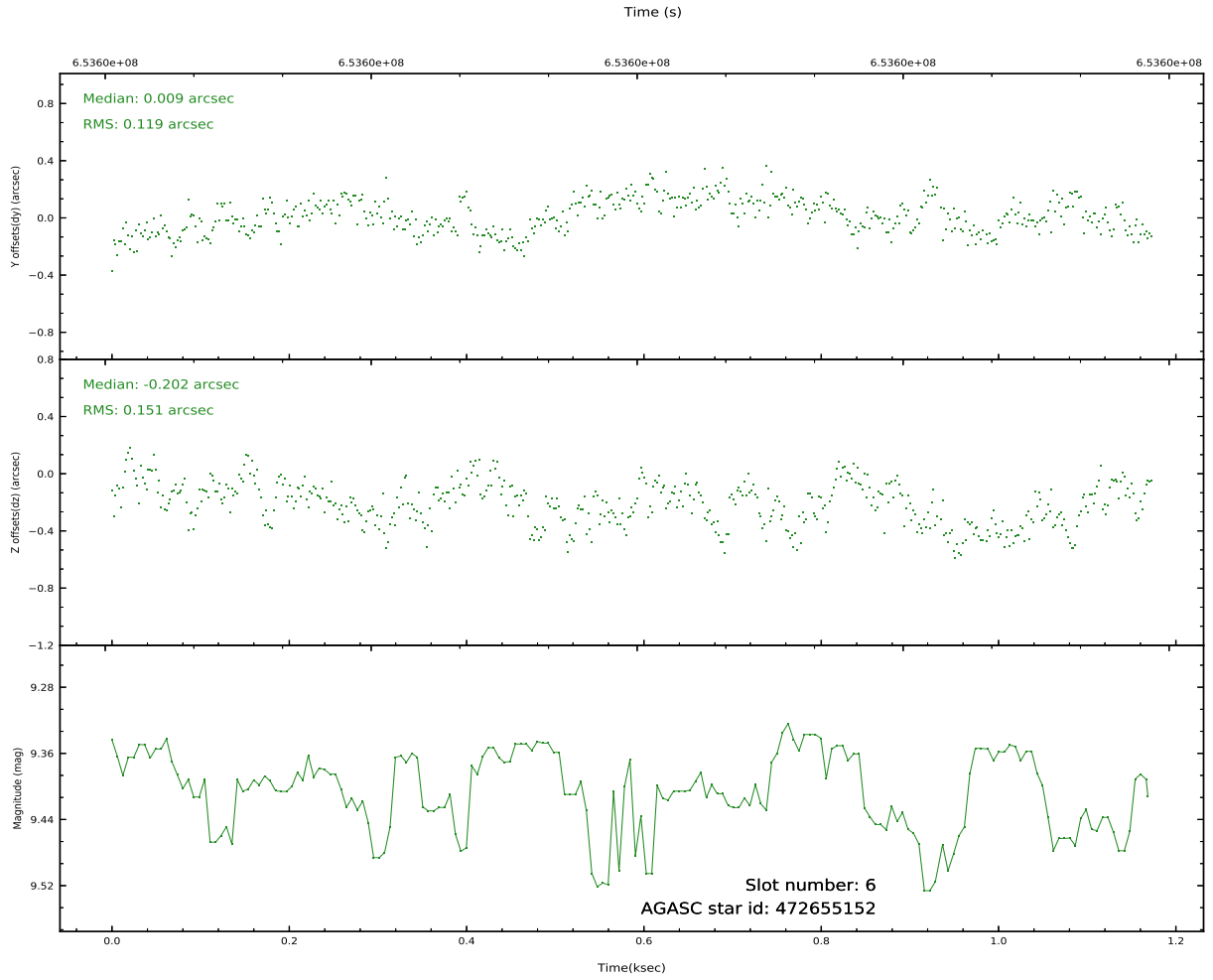
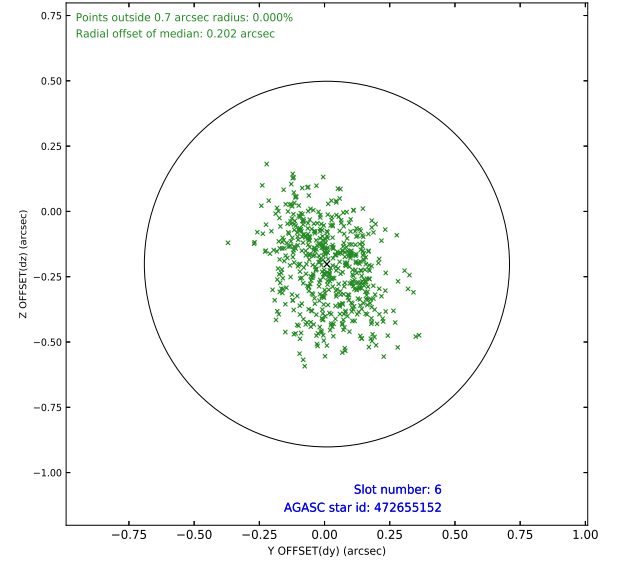
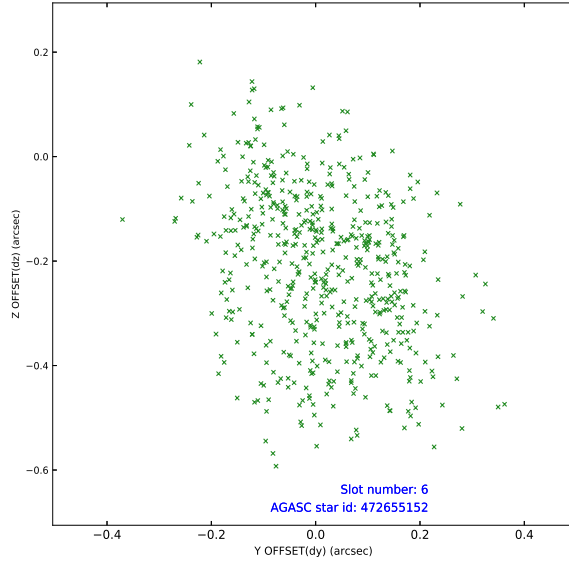
2.4.2 Slot 4



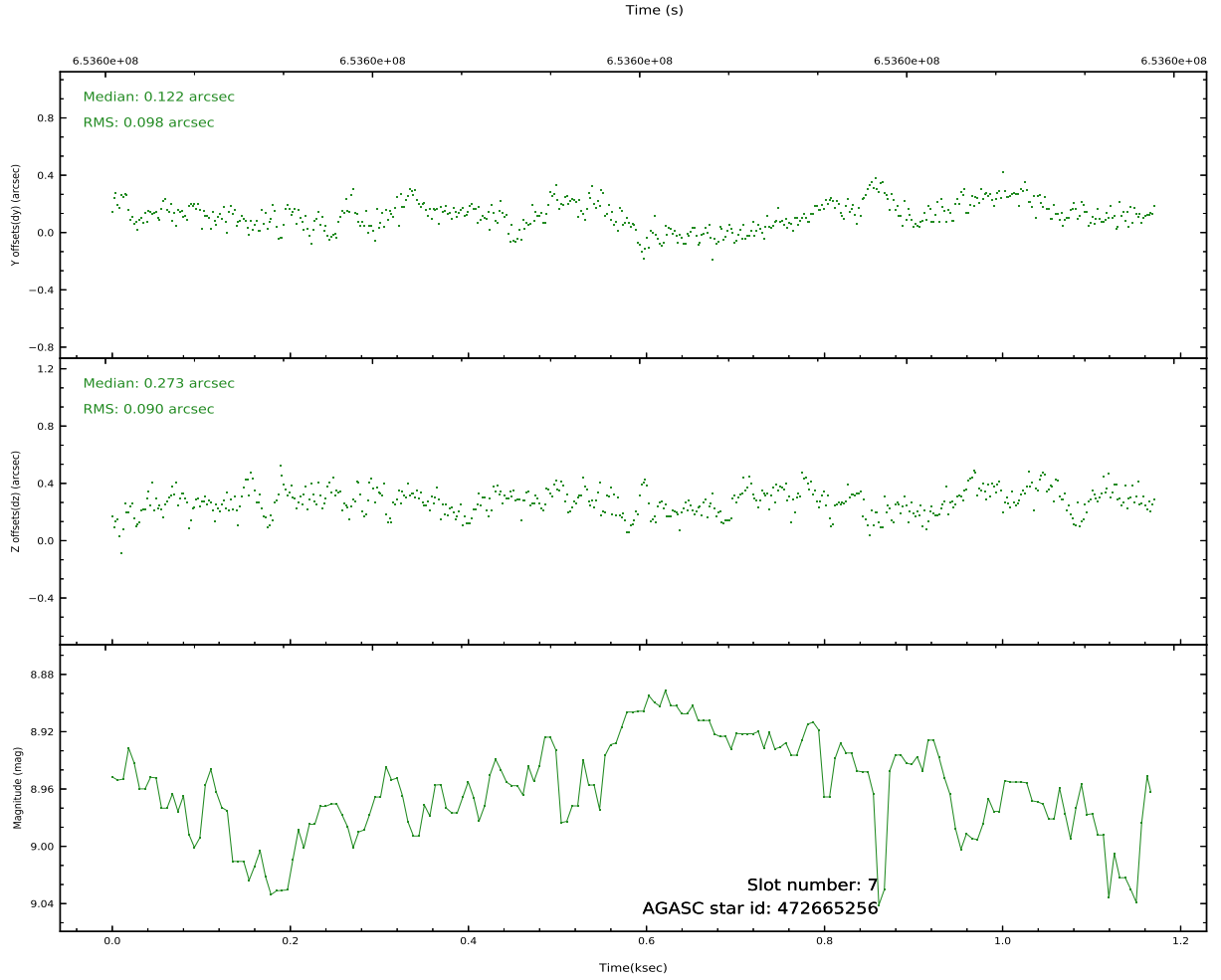
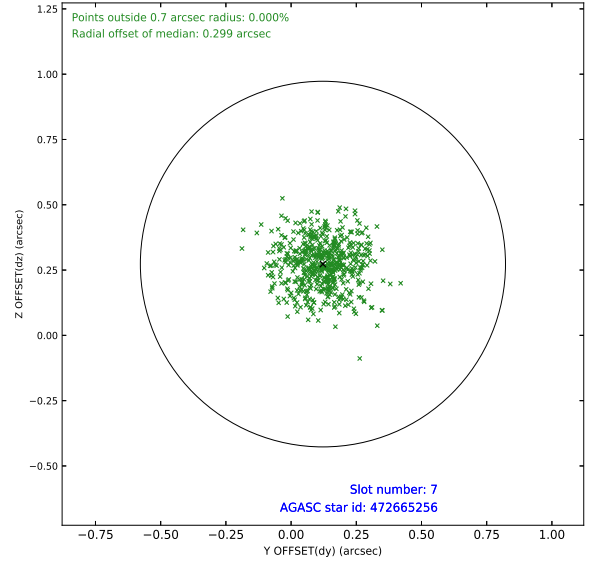
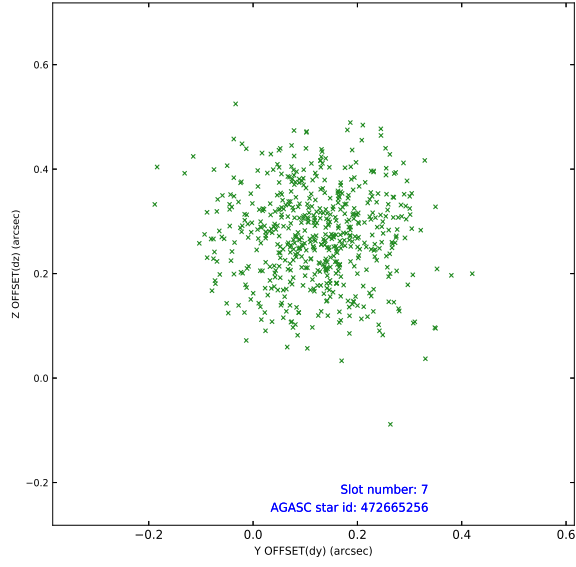
2.4.3 Slot 5



2.4.4 Slot 6

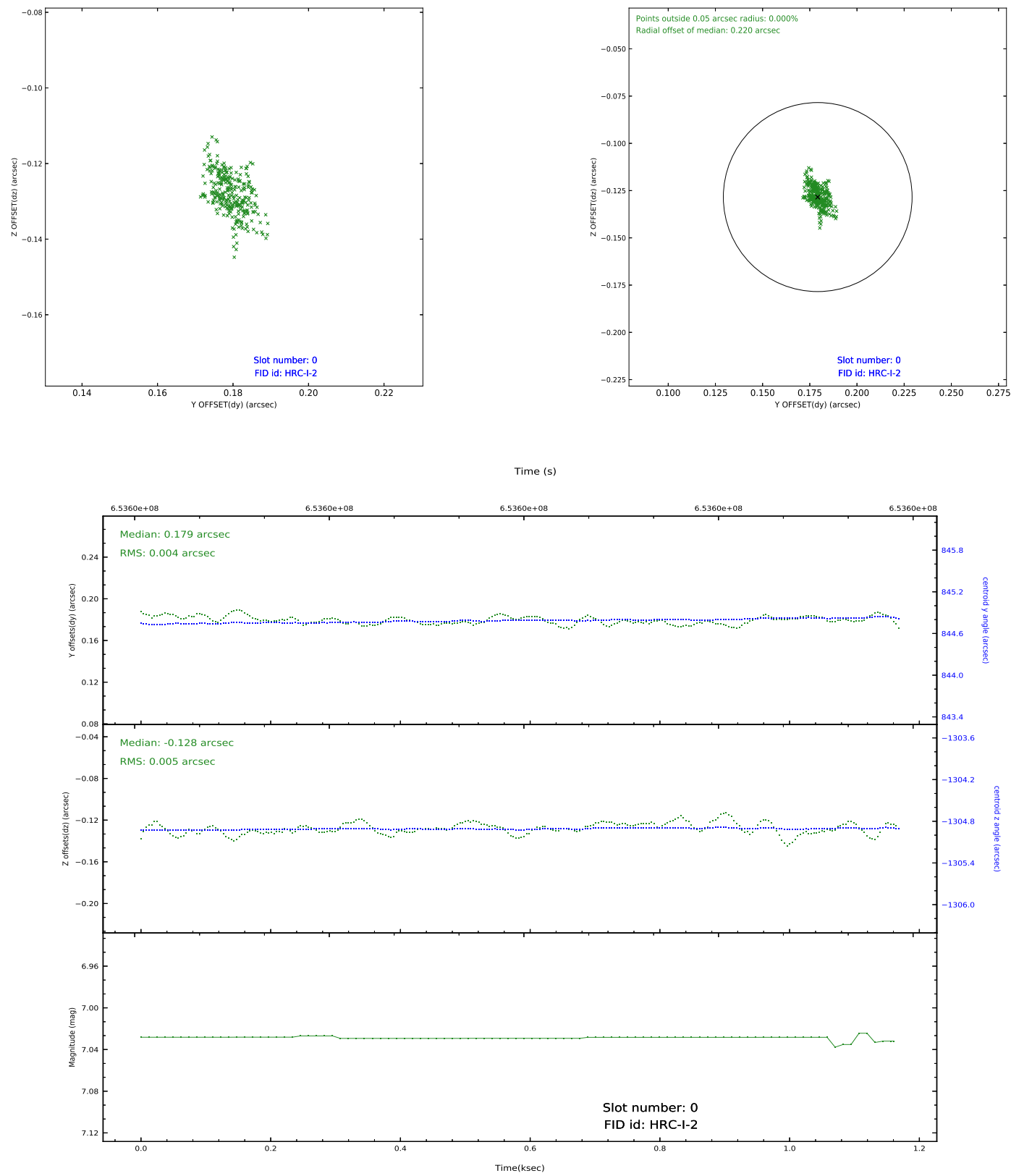


2.4.5 Slot 7

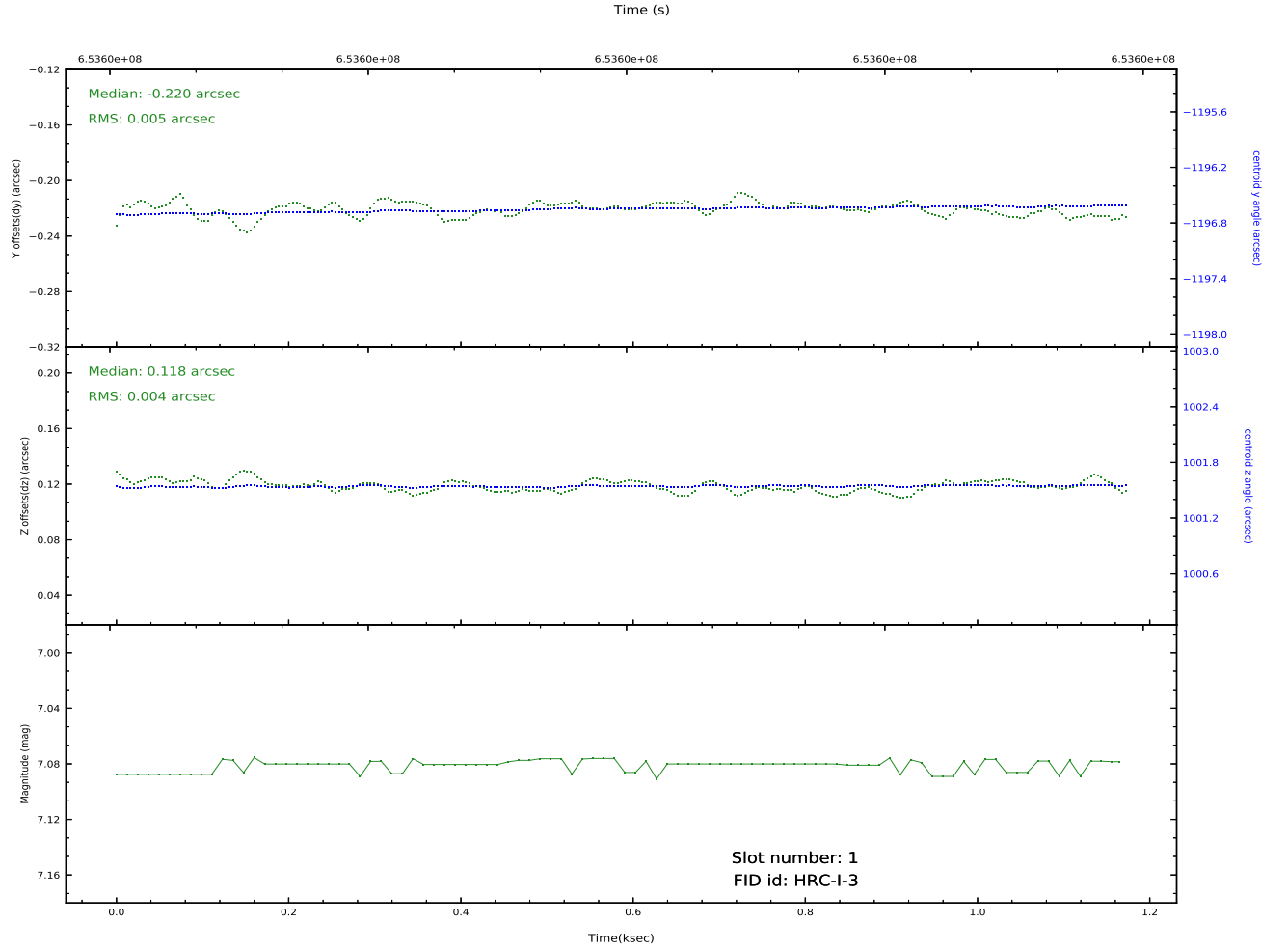
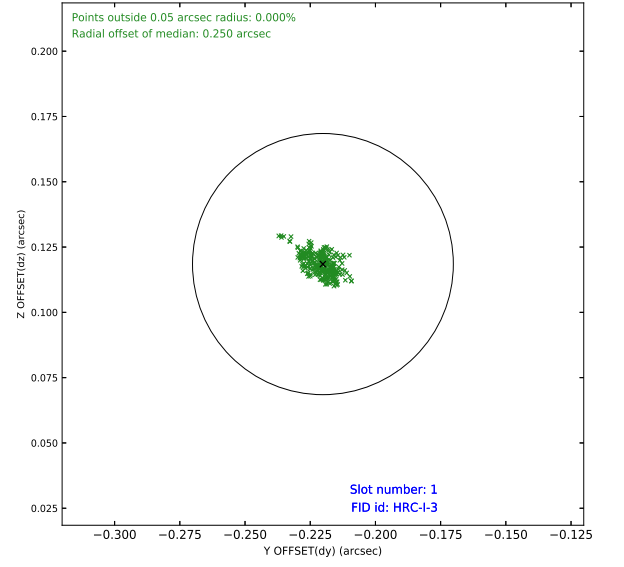
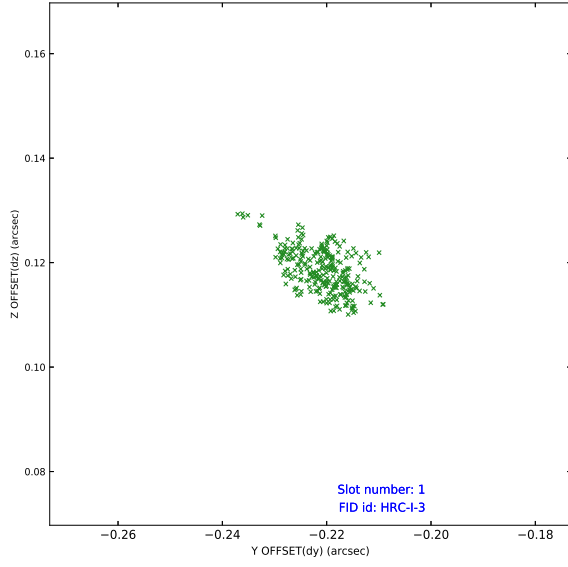


2.5 FID Slots

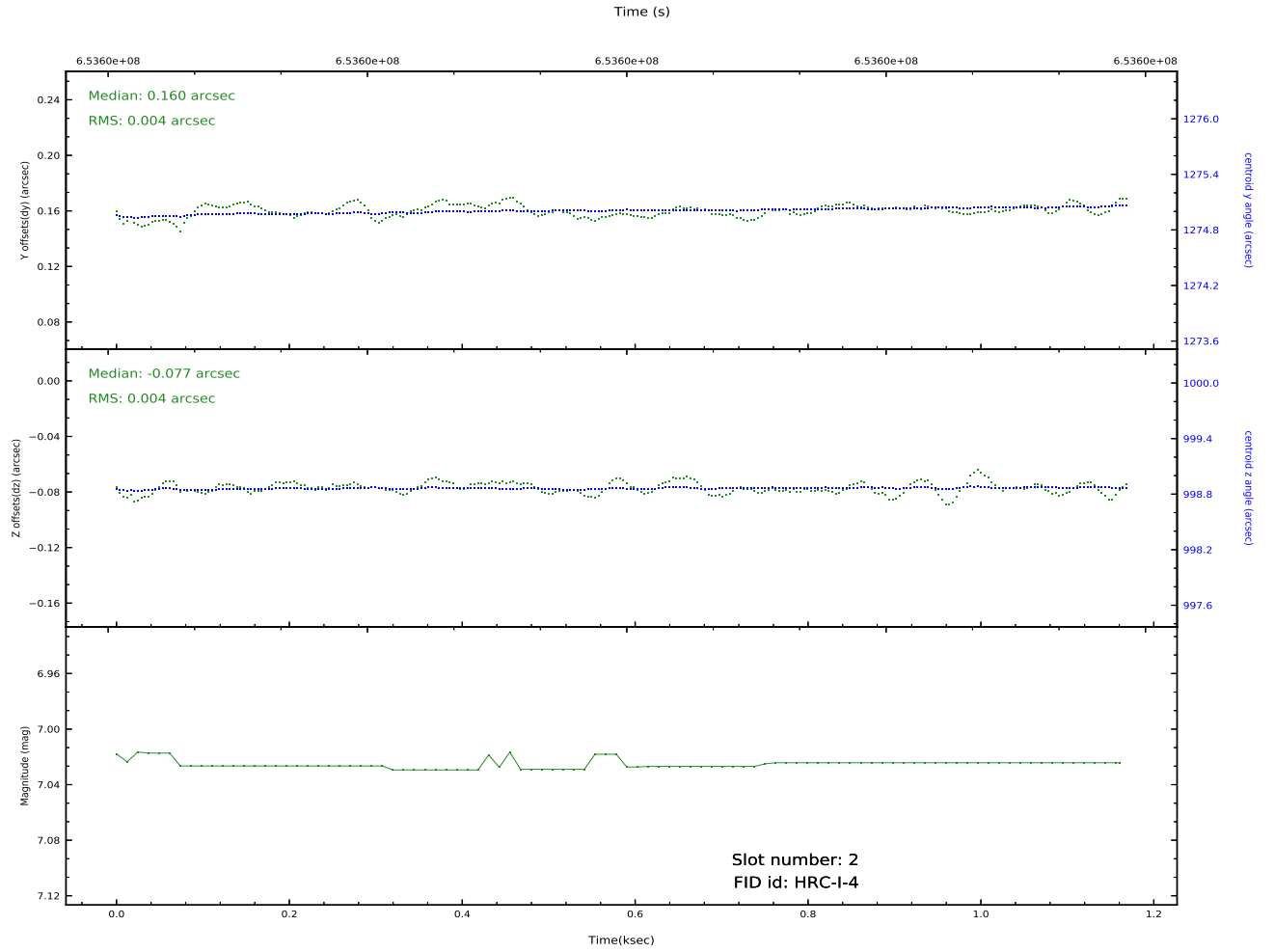
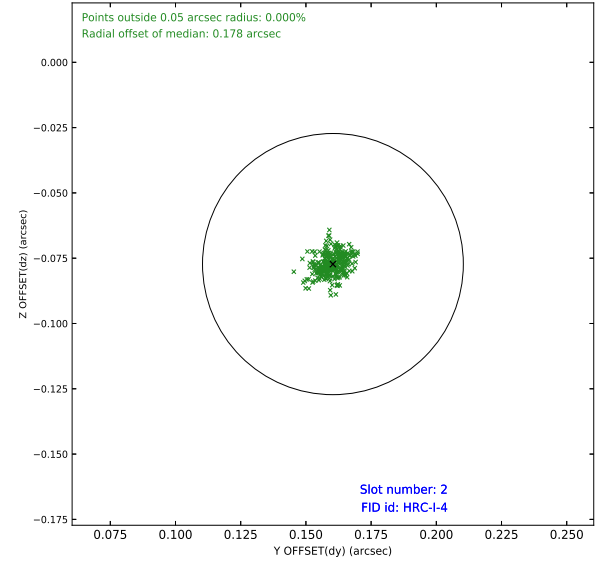
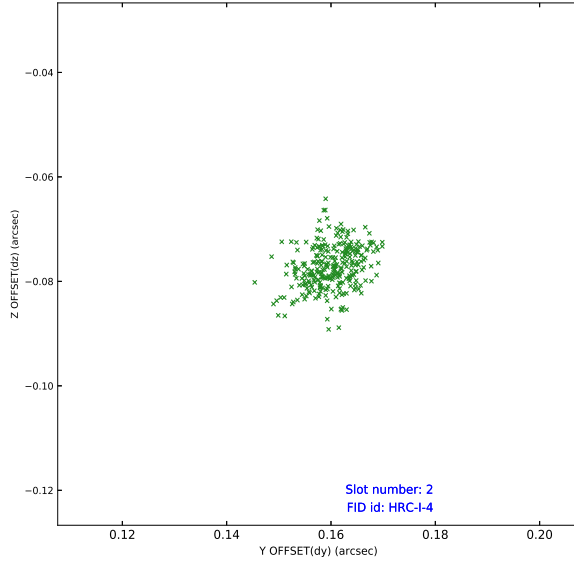
2.5.1 Slot 0



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	1.1715750696659

A.2 Comments