

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20681 - L2 Version 2
Chandra X-Ray Center

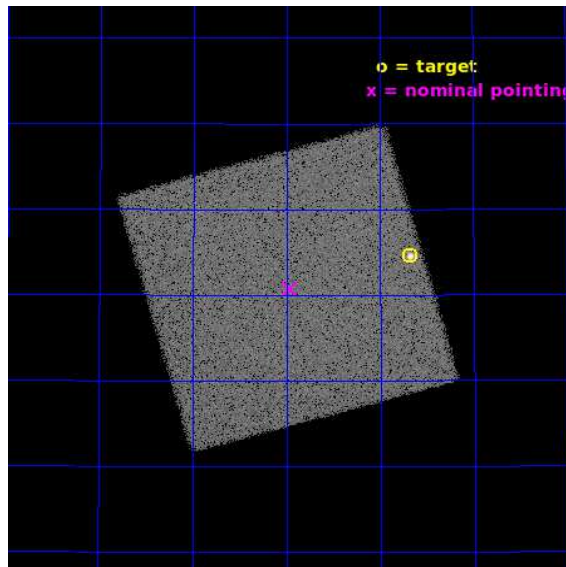
L2 Processing Date : Oct 27 2020

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1 Front

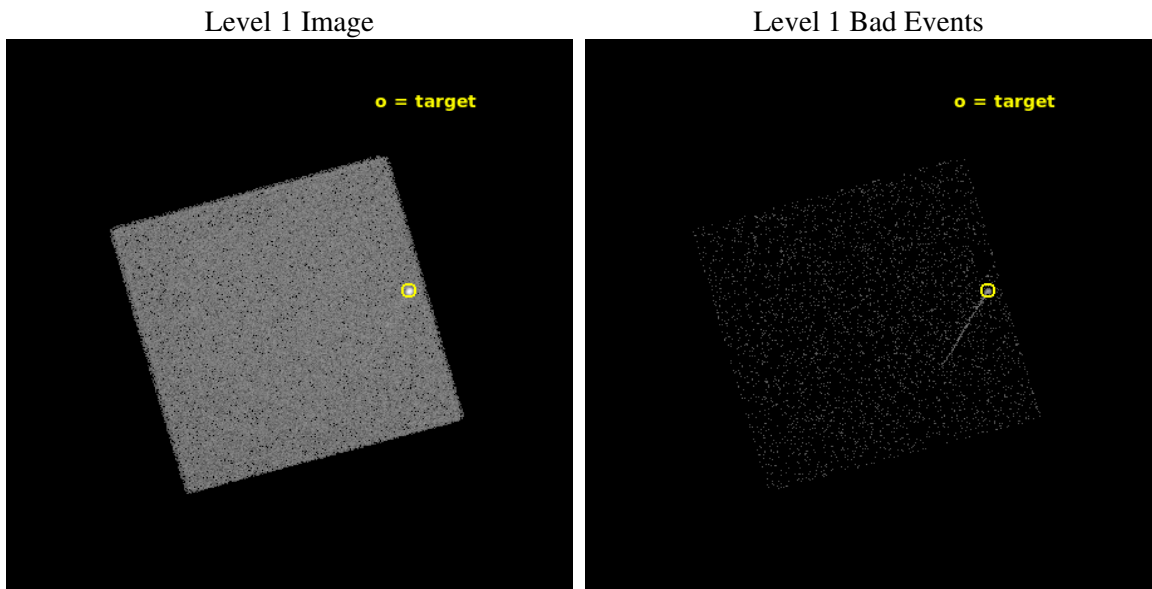
seq_num	291392	Sequence number
obs_id	20681	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.49103366139	Nominal RA [deg]
dec_nom	45.679153718197	Nominal Dec [deg]
roll_nom	209.33719530758	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.0313202143	[s]
livetime	1163.5727609712	Ontime multiplied by DTCOR
l2events	144036	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	1180.0313202143	[s]
caldsver	4.9.3	 	l1events	241476	Number of level 1 events
date	2020-10-27T19:46:48	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

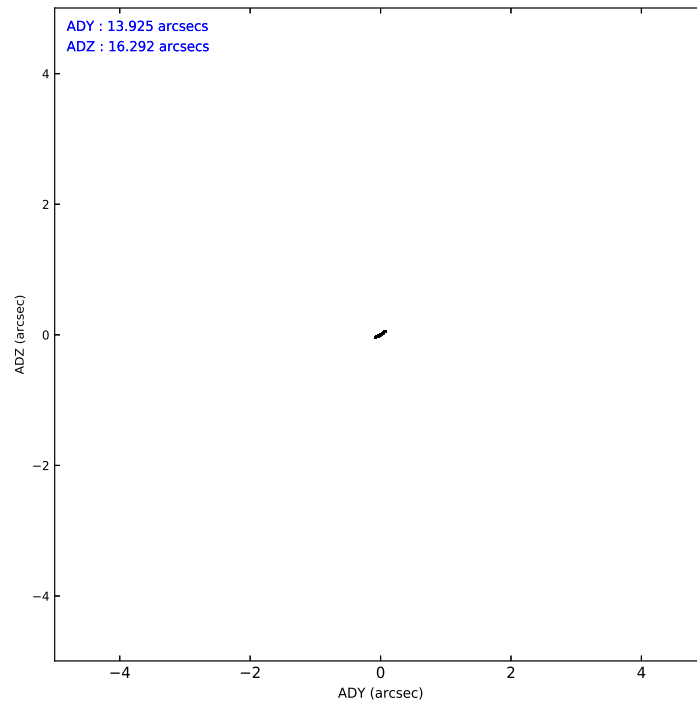
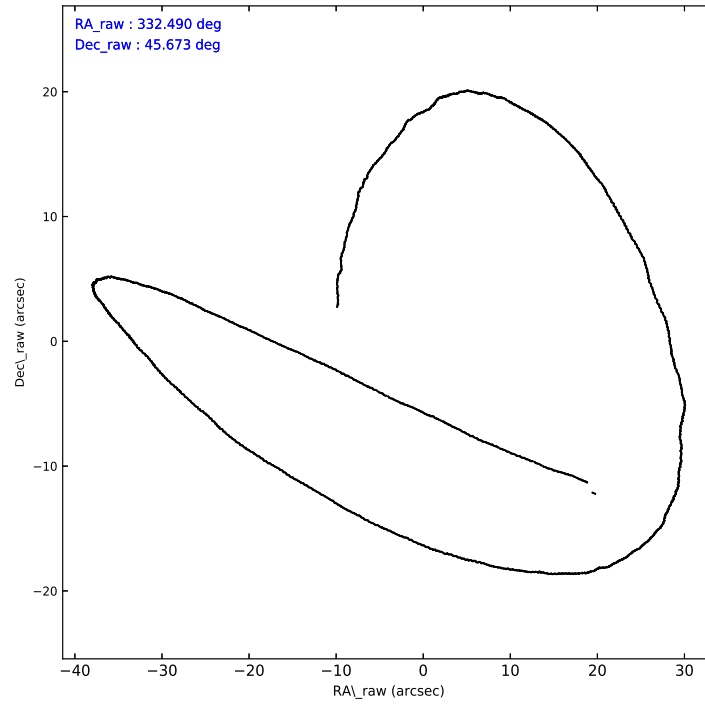
	segment 0
level 1 events	241476
rejected events	52875
rejected %	21%

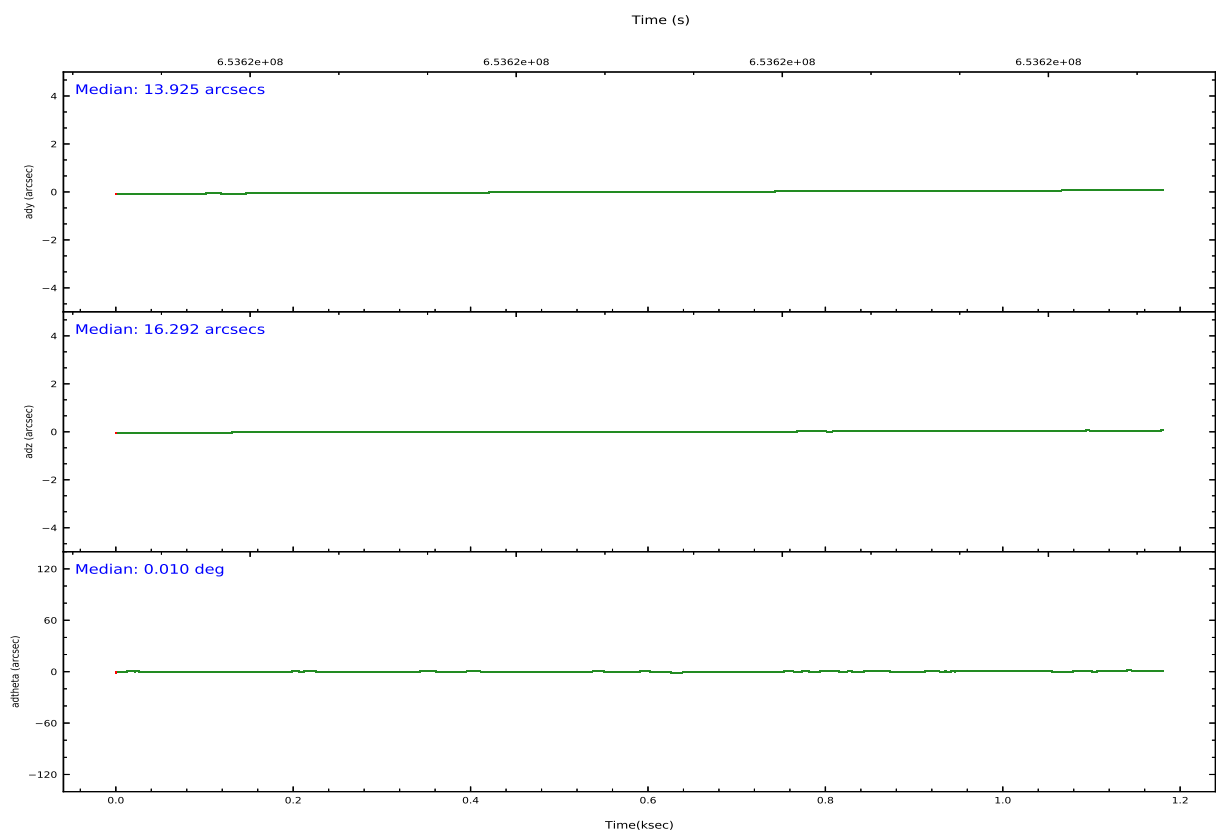
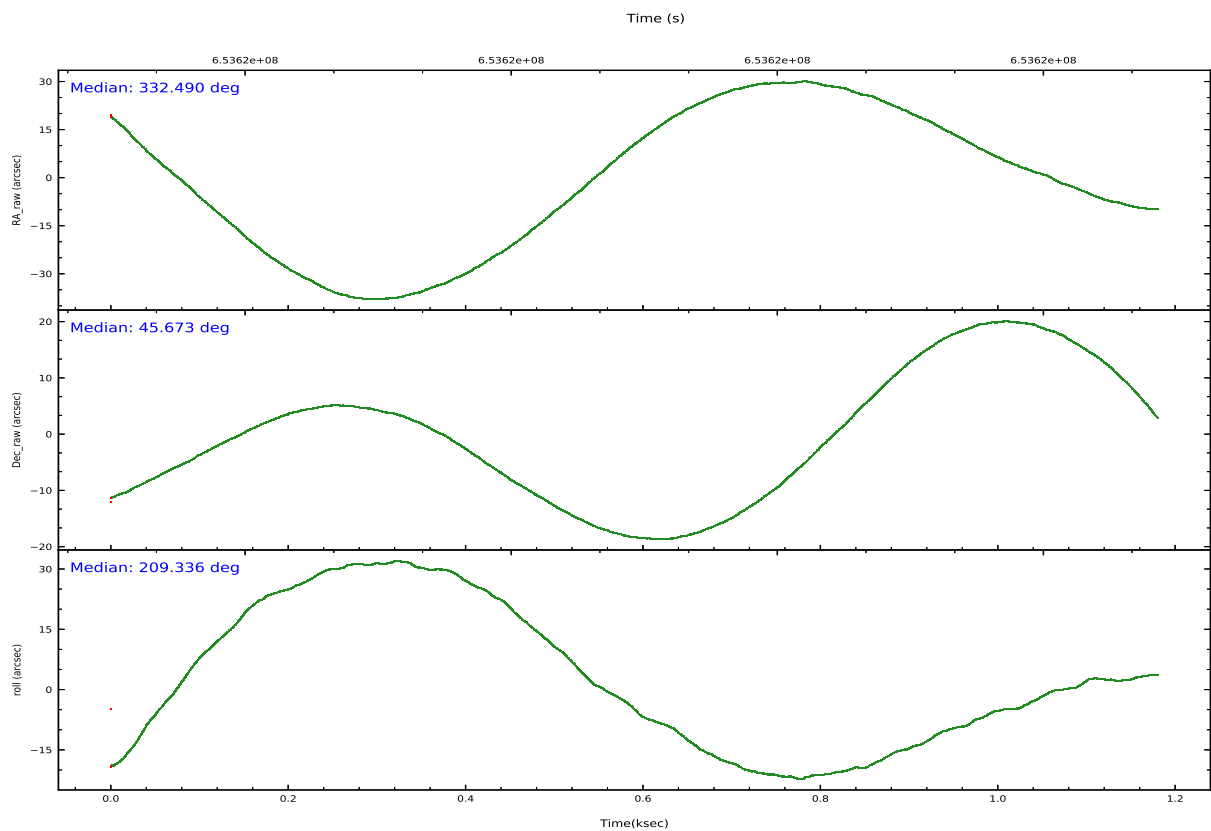
2.2 Compared Parameters

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	332.508957	332.49103366139
[deg] Pointing Dec	45.696076	45.679153718197
[deg] Pointing Roll	209.430920	209.33719530758
[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)	653618830.184000	653618454.42983
Observation start date	2018-09-18T00:46:01	2018-09-18T00:40:54
[s] Observation end time (MET)	653619830.184000	653619964.25492
Observation end date	2018-09-18T01:02:41	2018-09-18T01:06:04

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

2.3 Aspect



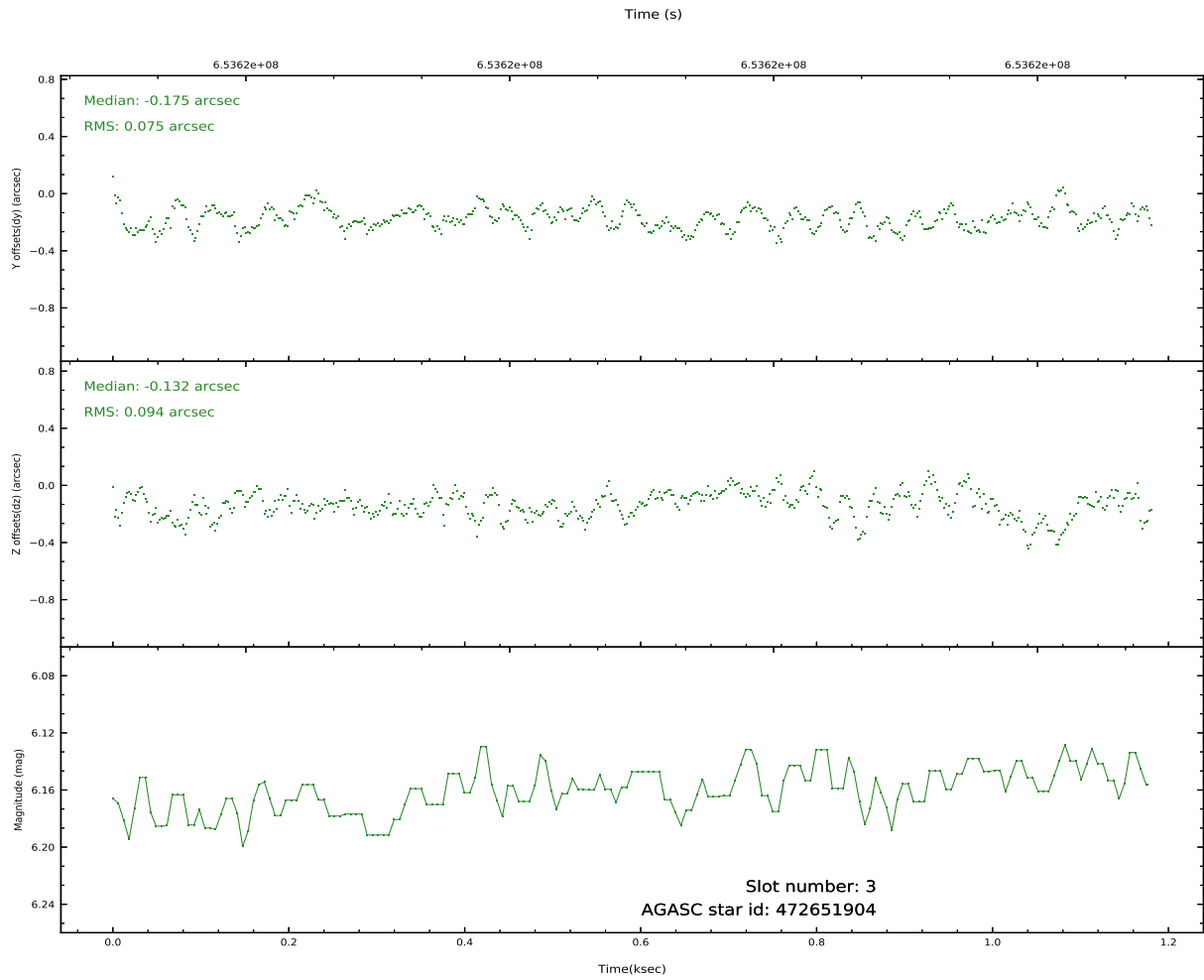
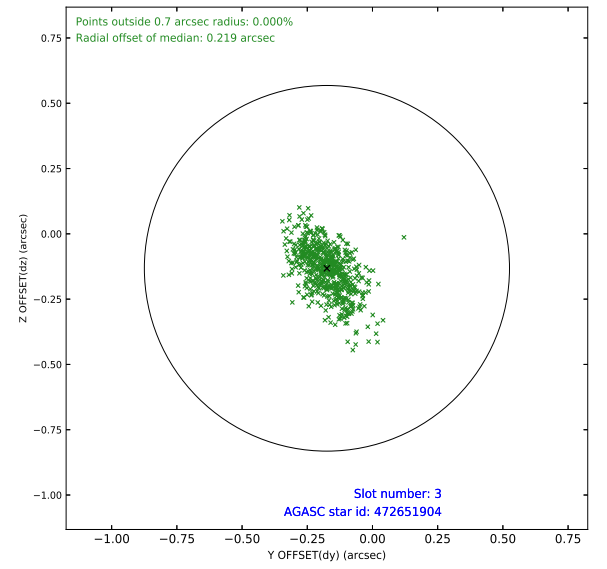
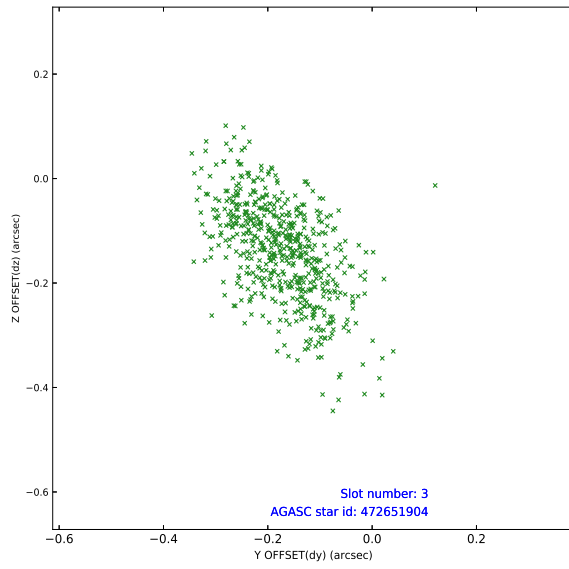


Slot Statistics

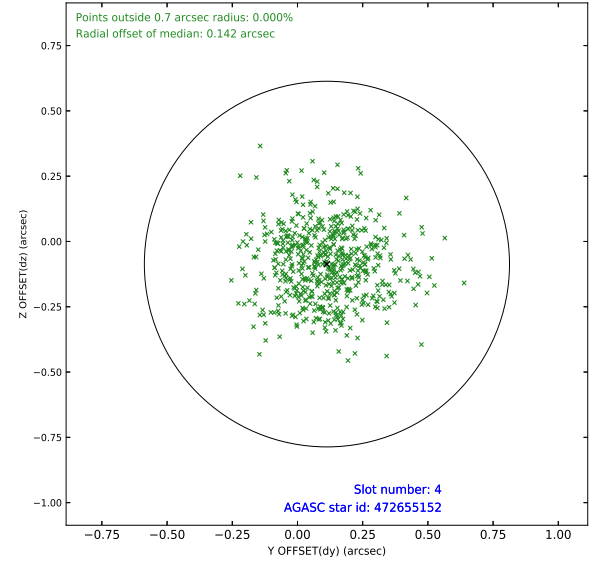
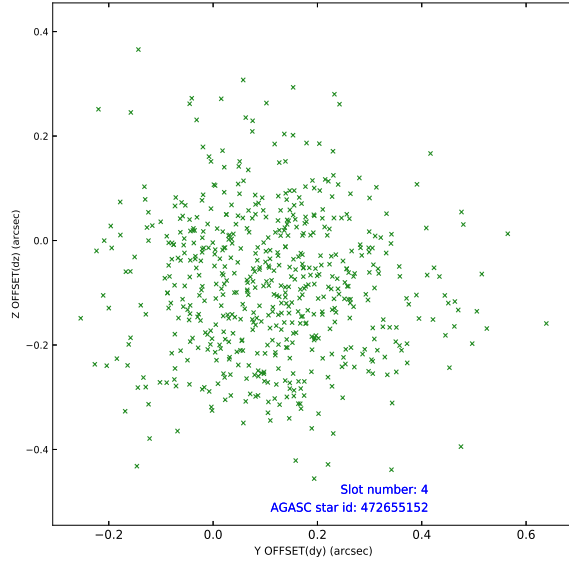
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	289	1.000	-0.079	0.039	0.006	0.009	0.000000	0.000000	-769.81	-1304
1	FID		HRC-I-2	7.05	289	1.000	0.345	-0.257	0.005	0.009	0.000000	0.000000	840.58	-1310
2	FID		HRC-I-3	7.10	289	1.000	-0.148	0.128	0.005	0.007	0.000000	0.000000	-1195.39	995
3	GUIDE	used	472651904	6.16	577	1.000	-0.175	-0.132	0.124	0.206	332.170077	45.742257	659.80	-562
4	GUIDE	used	472655152	9.41	576	1.000	0.113	-0.087	0.213	0.360	332.504239	45.862991	-283.06	-526
5	GUIDE	used	472665256	8.96	575	1.000	0.172	-0.026	0.156	0.275	332.808125	46.195041	-1532.25	-1197
6	GUIDE	used	472523760	8.22	577	1.000	-0.038	0.139	0.118	0.213	331.645363	45.403260	2411.45	-163
7	GUIDE	used	472659736	9.30	575	1.000	-0.068	0.111	0.174	0.360	332.848312	46.590160	-2308.99	-2389

2.4 Star Slots

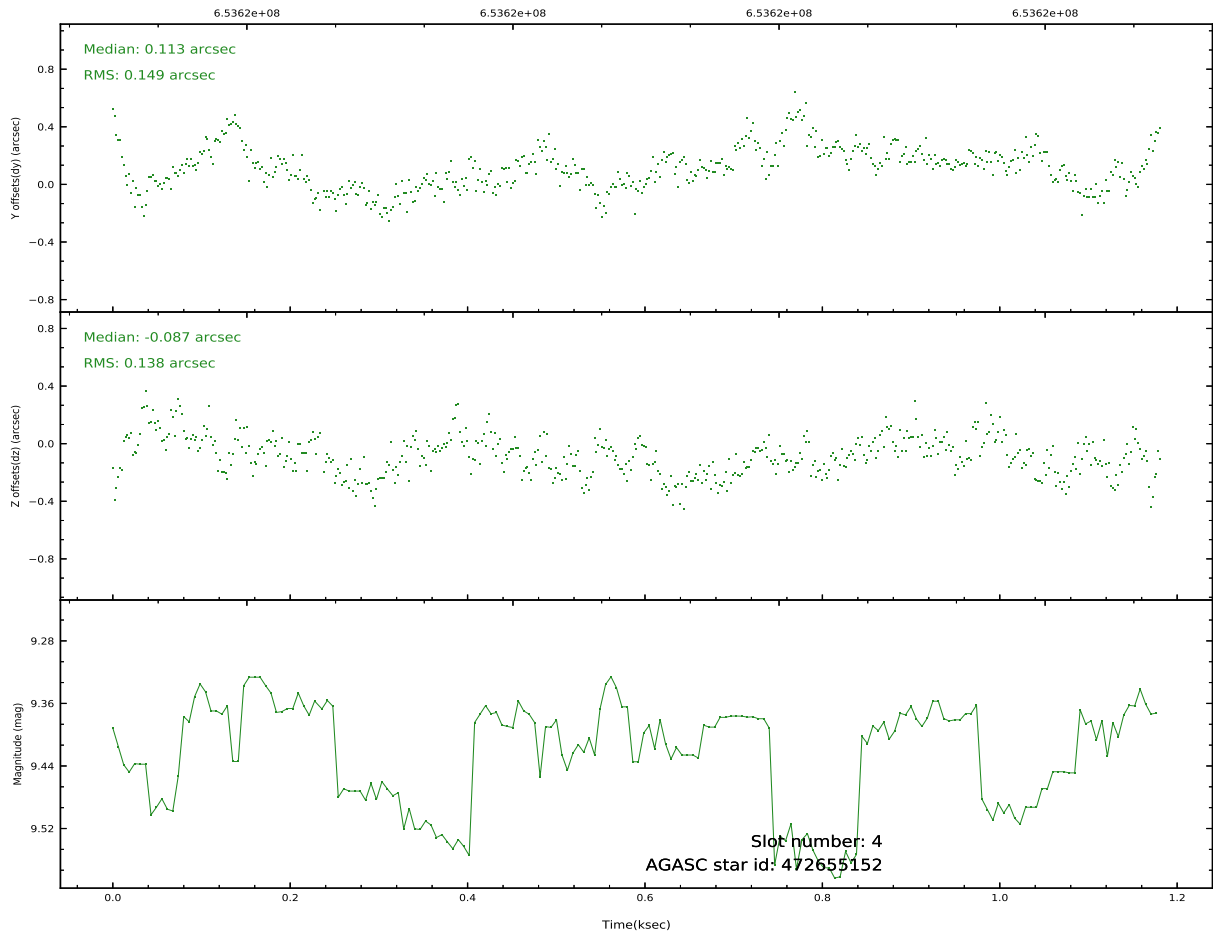
2.4.1 Slot 3



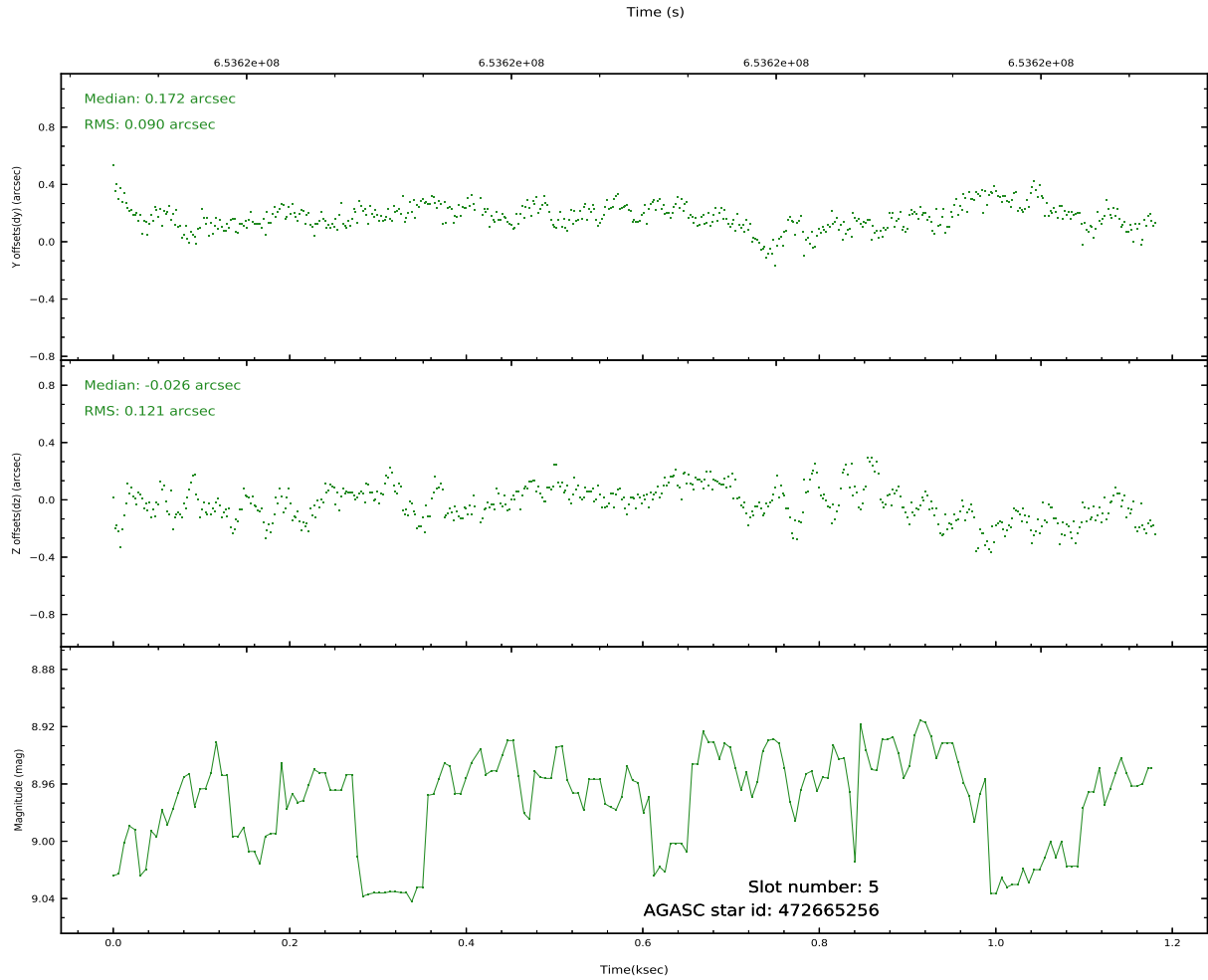
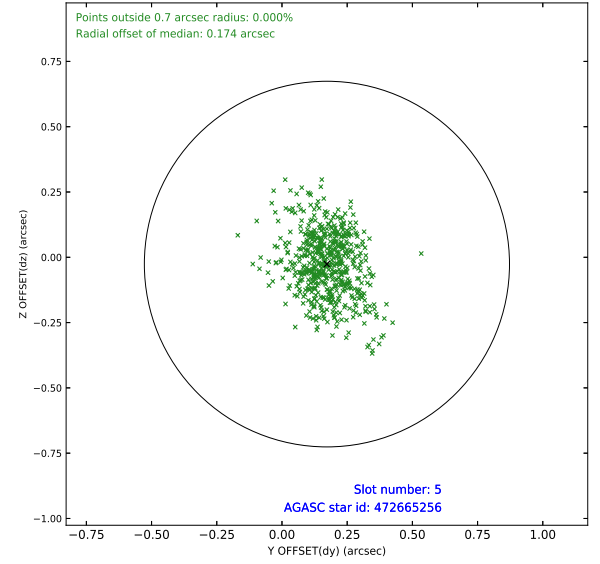
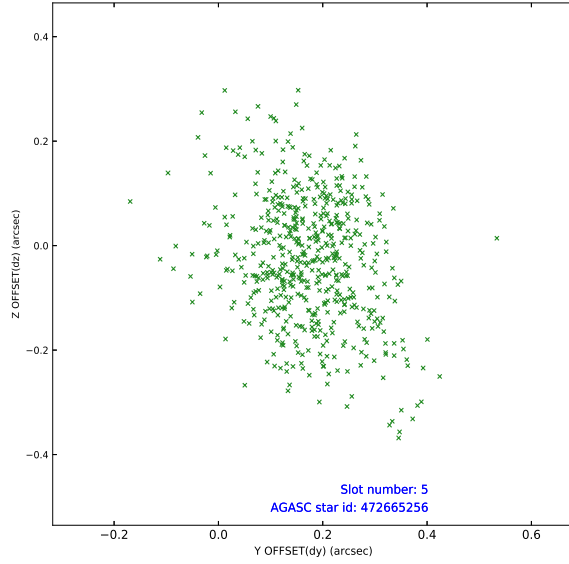
2.4.2 Slot 4



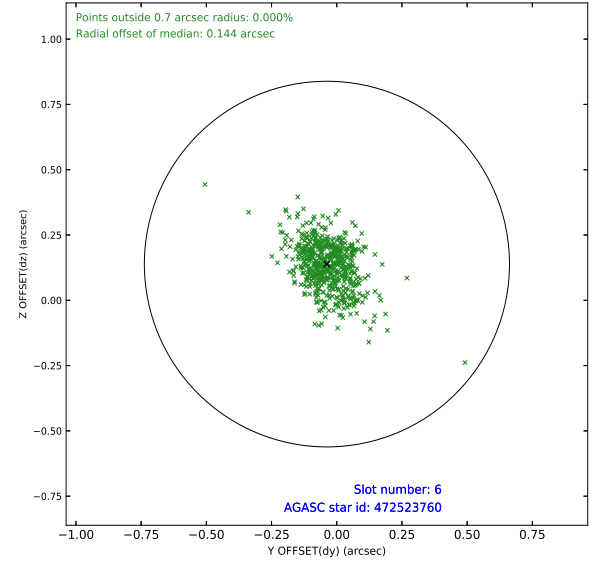
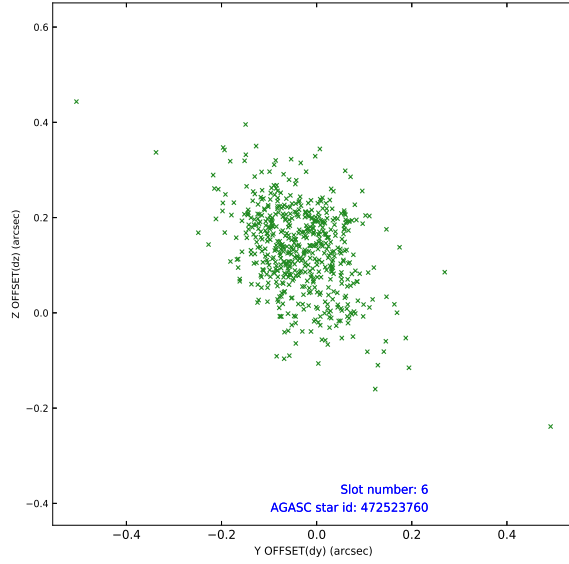
Time (s)



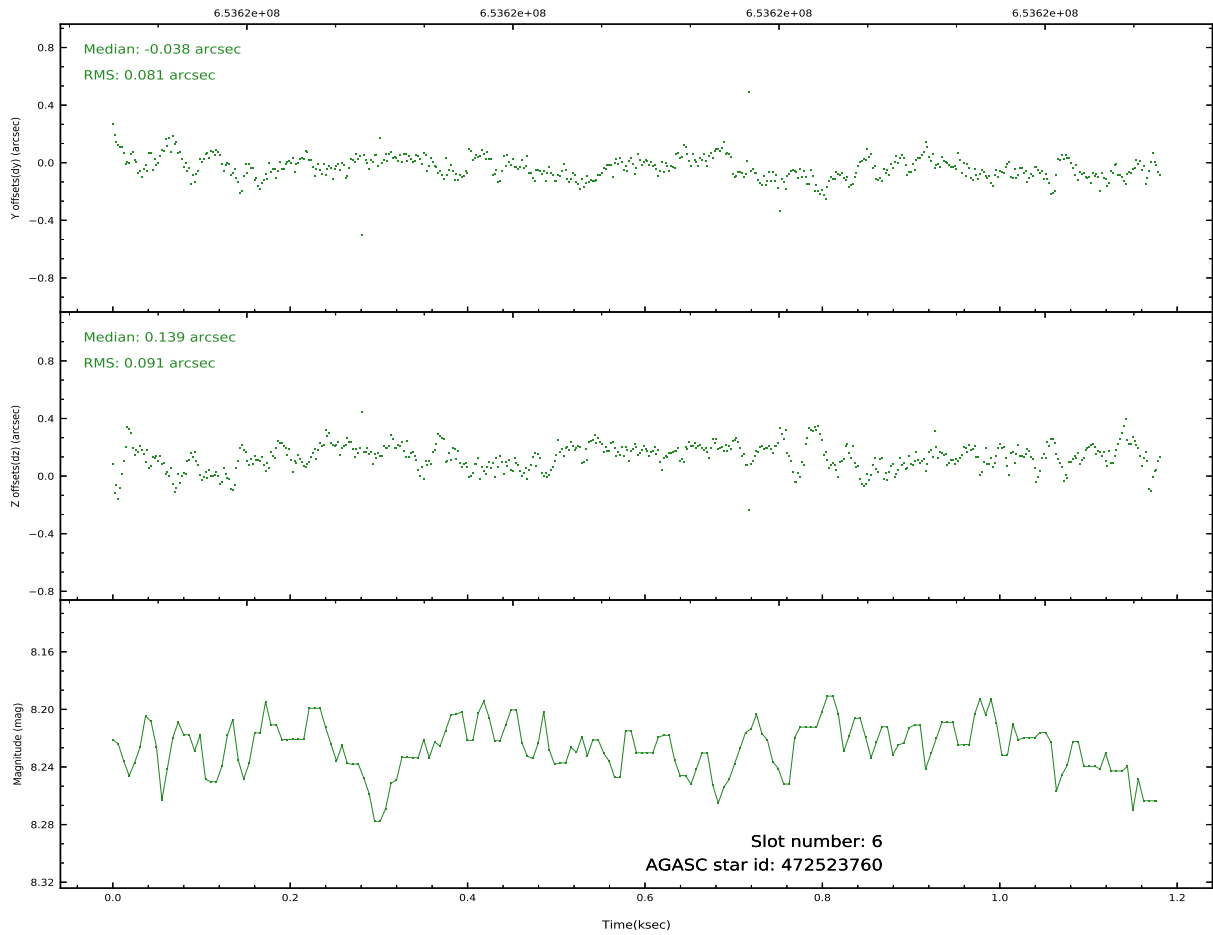
2.4.3 Slot 5



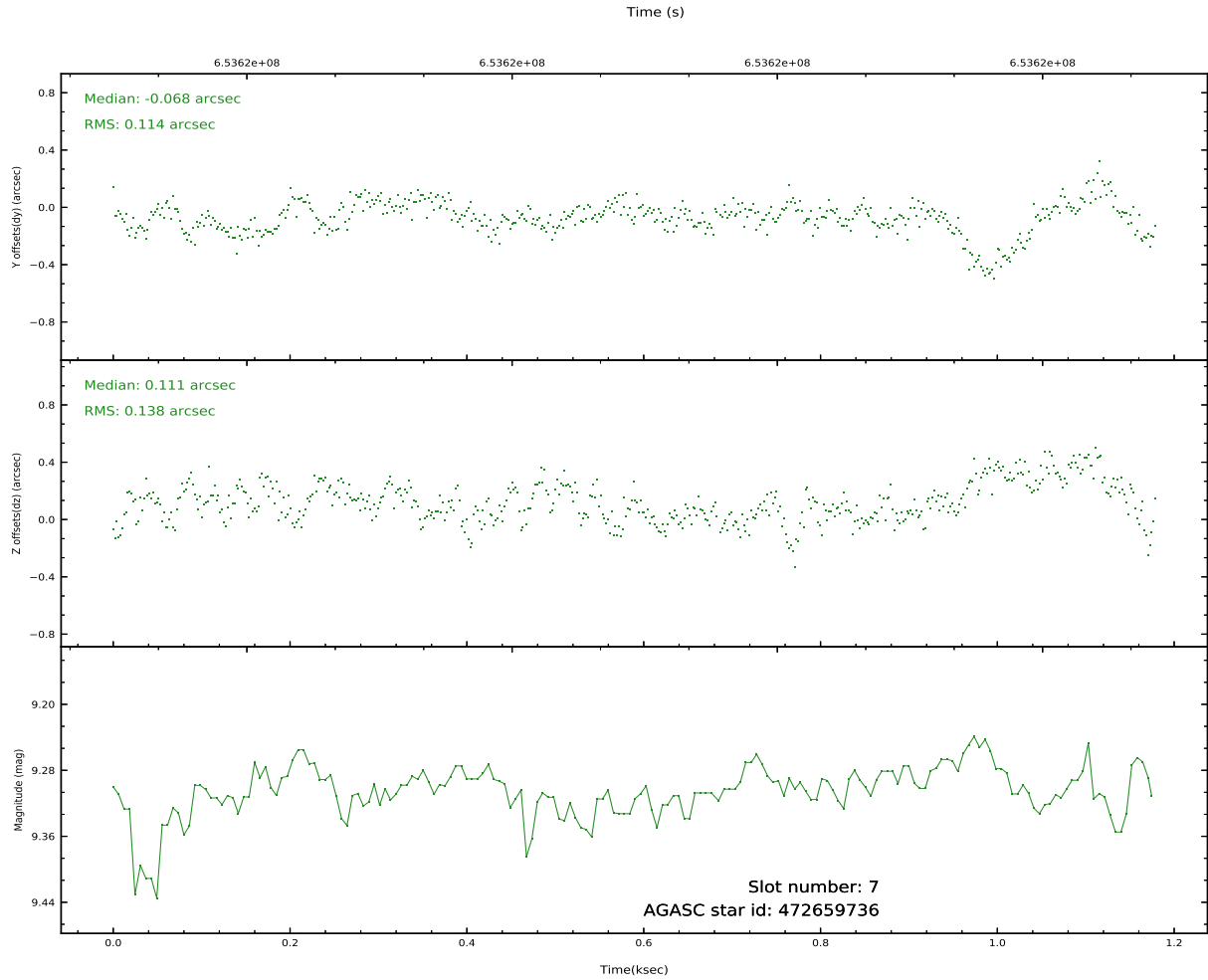
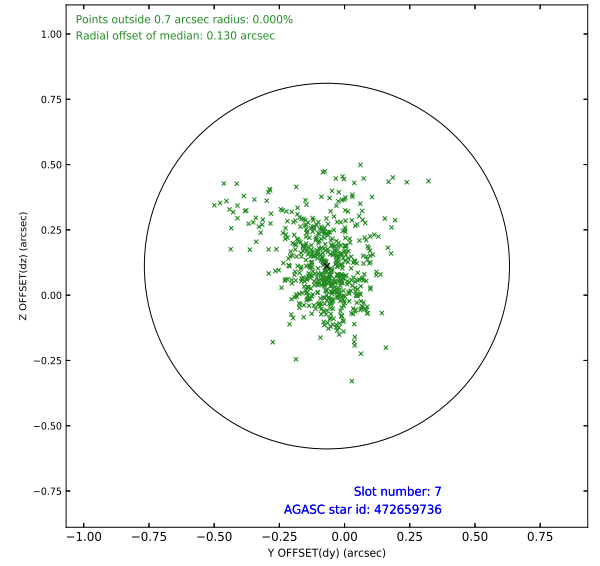
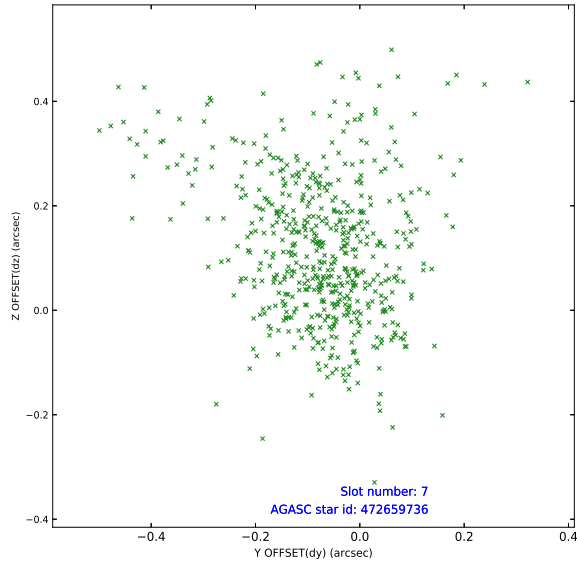
2.4.4 Slot 6



Time (s)

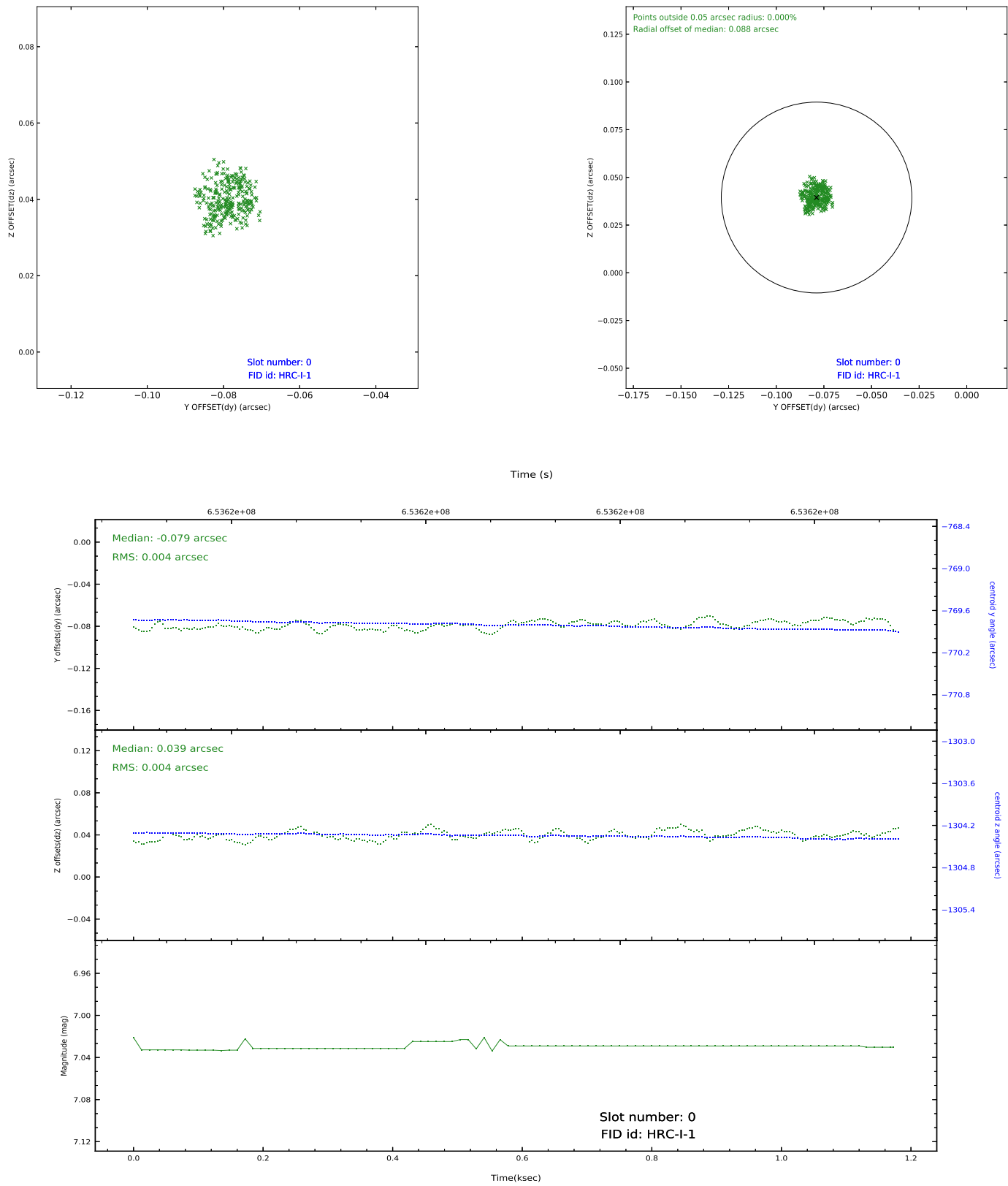


2.4.5 Slot 7

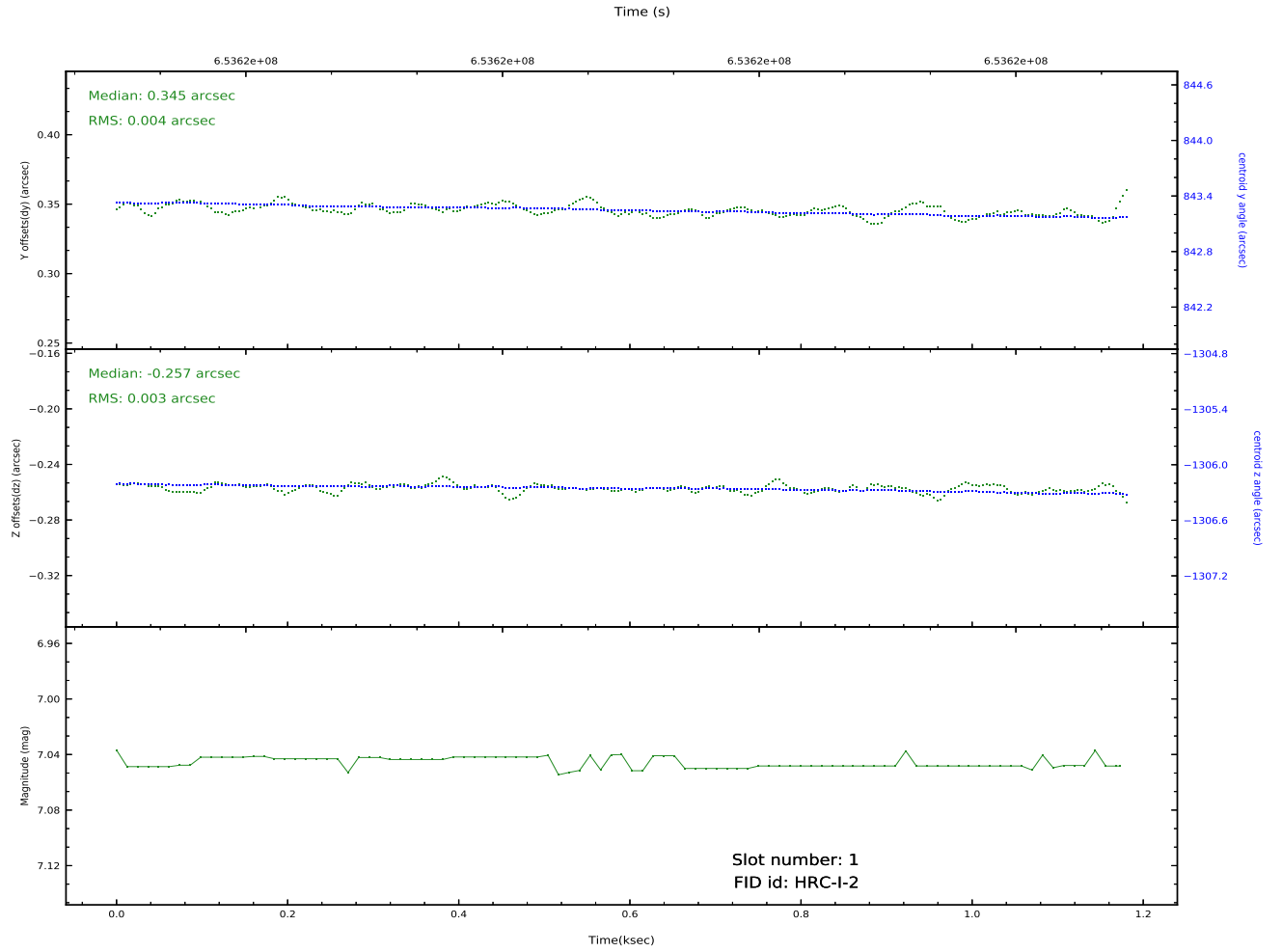
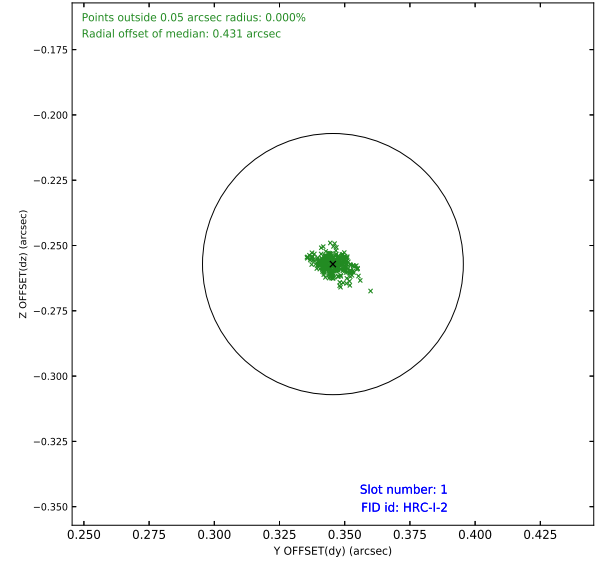
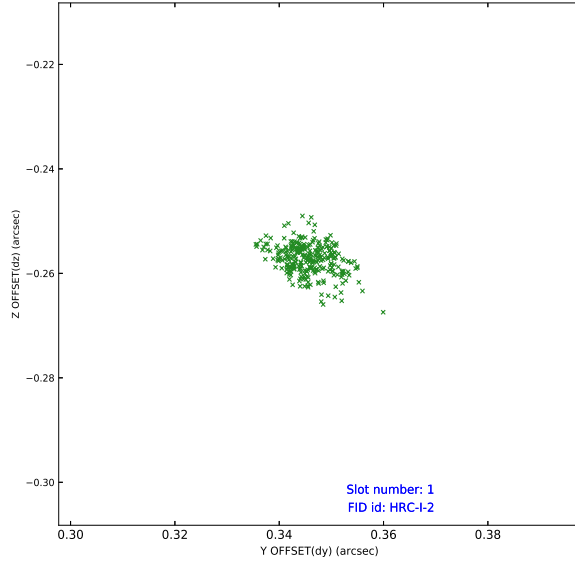


2.5 FID Slots

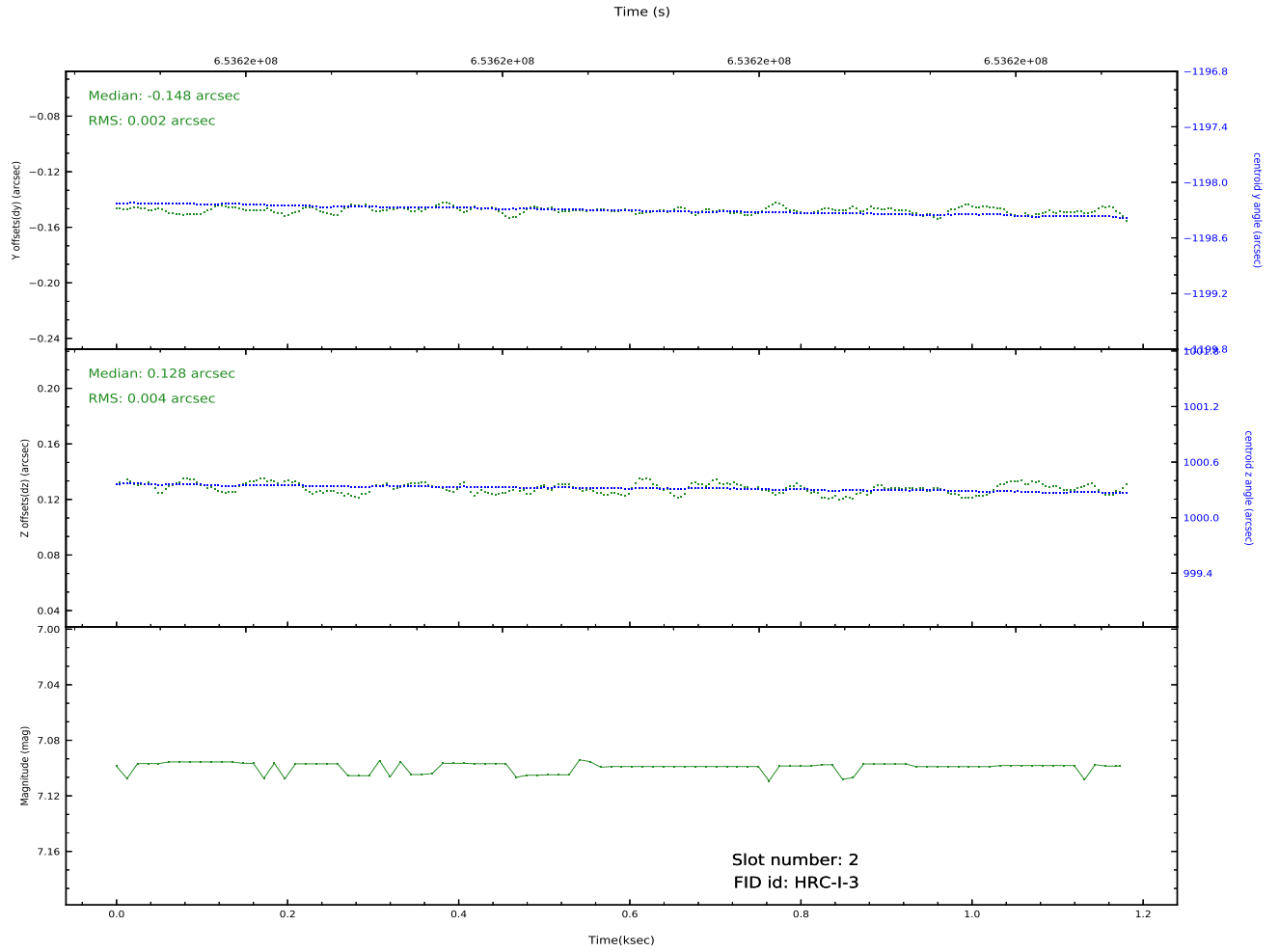
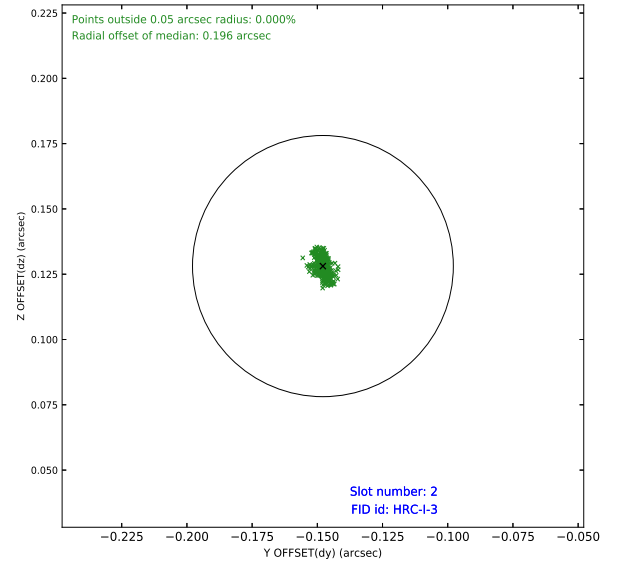
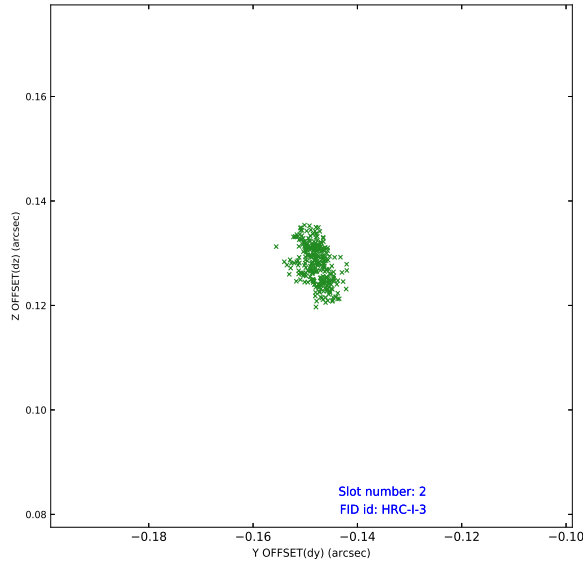
2.5.1 Slot 0



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	1.1800313202143

A.2 Comments