

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20668 - L2 Version 2
Chandra X-Ray Center

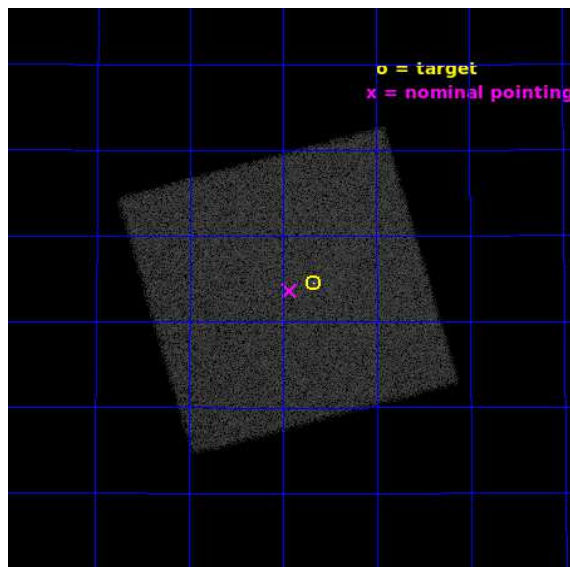
L2 Processing Date : Oct 27 2020

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1 Front

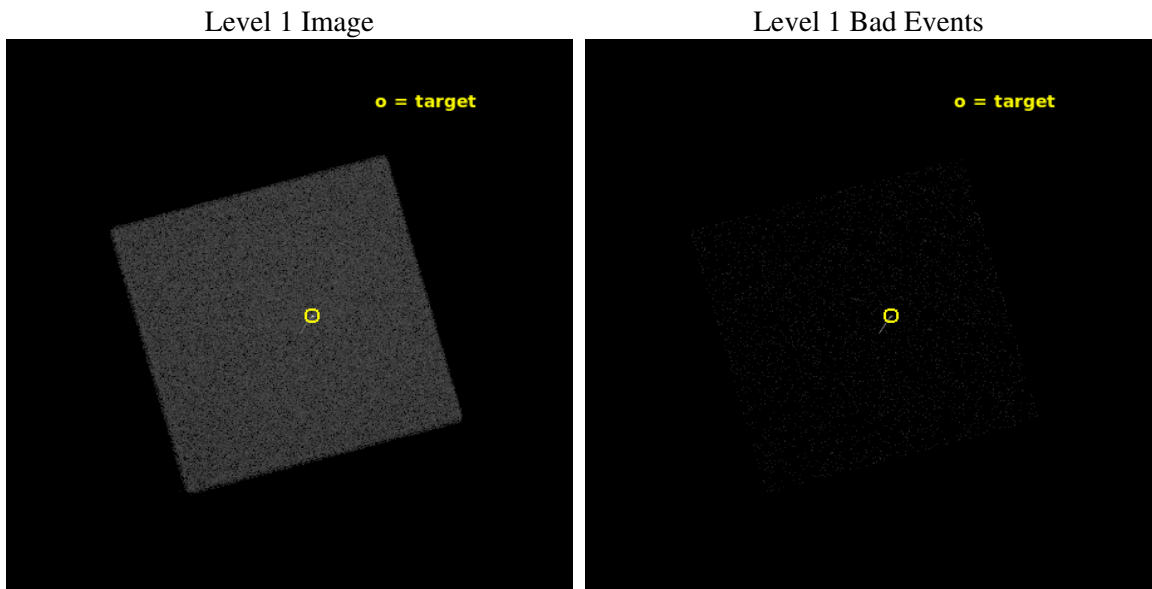
seq_num	291379	Sequence number
obs_id	20668	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23199794604	Nominal RA [deg]
dec_nom	45.727594427423	Nominal Dec [deg]
roll_nom	209.33597293708	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1173.8813198805	[s]
livetime	1157.3585863169	Ontime multiplied by DTCOR
l2events	144591	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	1173.8813198805	[s]
caldsver	4.9.3	 	l1events	243413	Number of level 1 events
date	2020-10-27T19:11:28	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

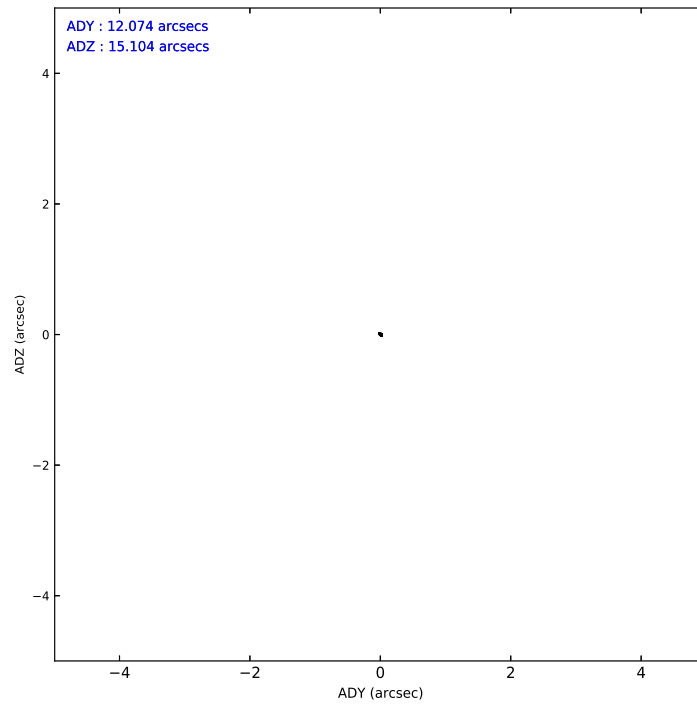
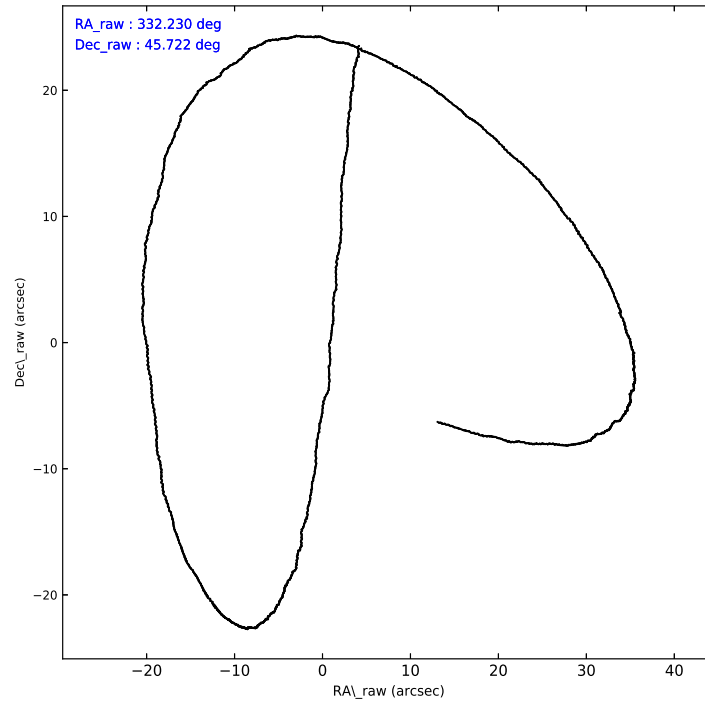
	segment 0
level 1 events	243413
rejected events	54219
rejected %	22%

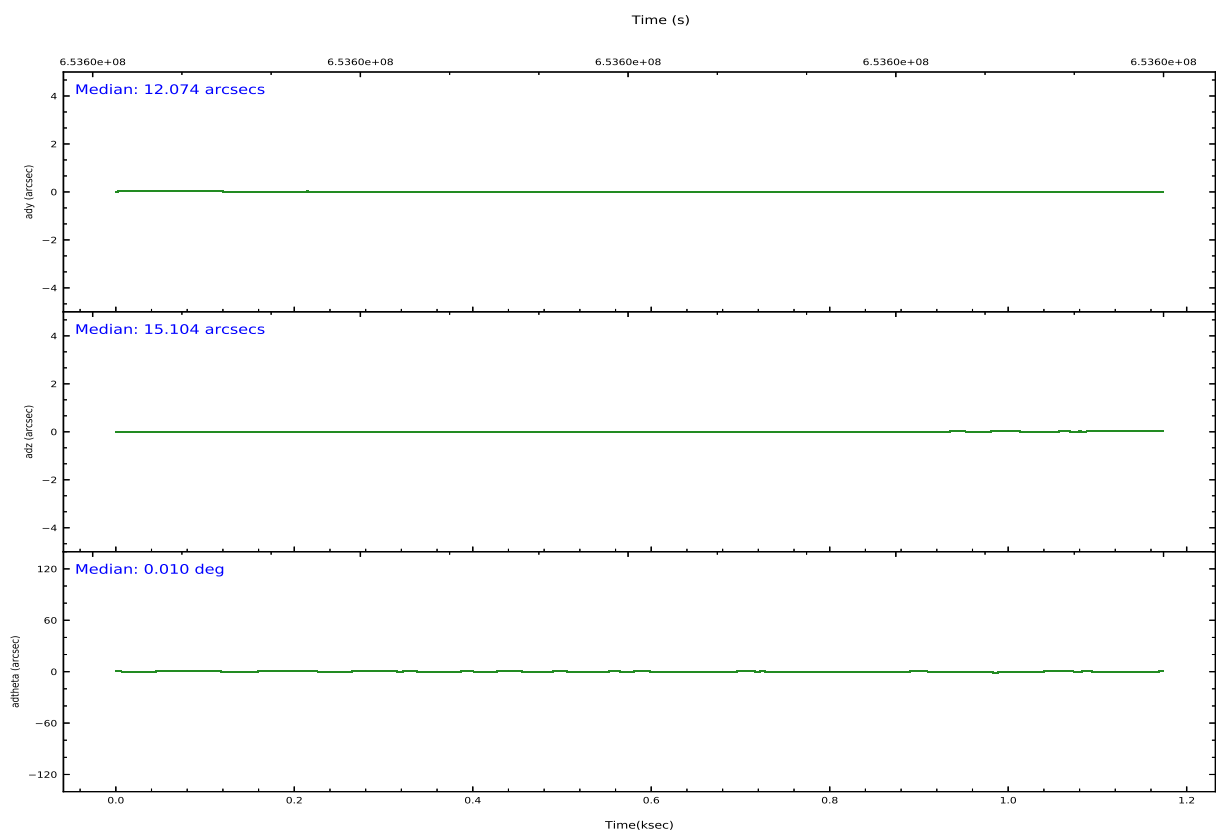
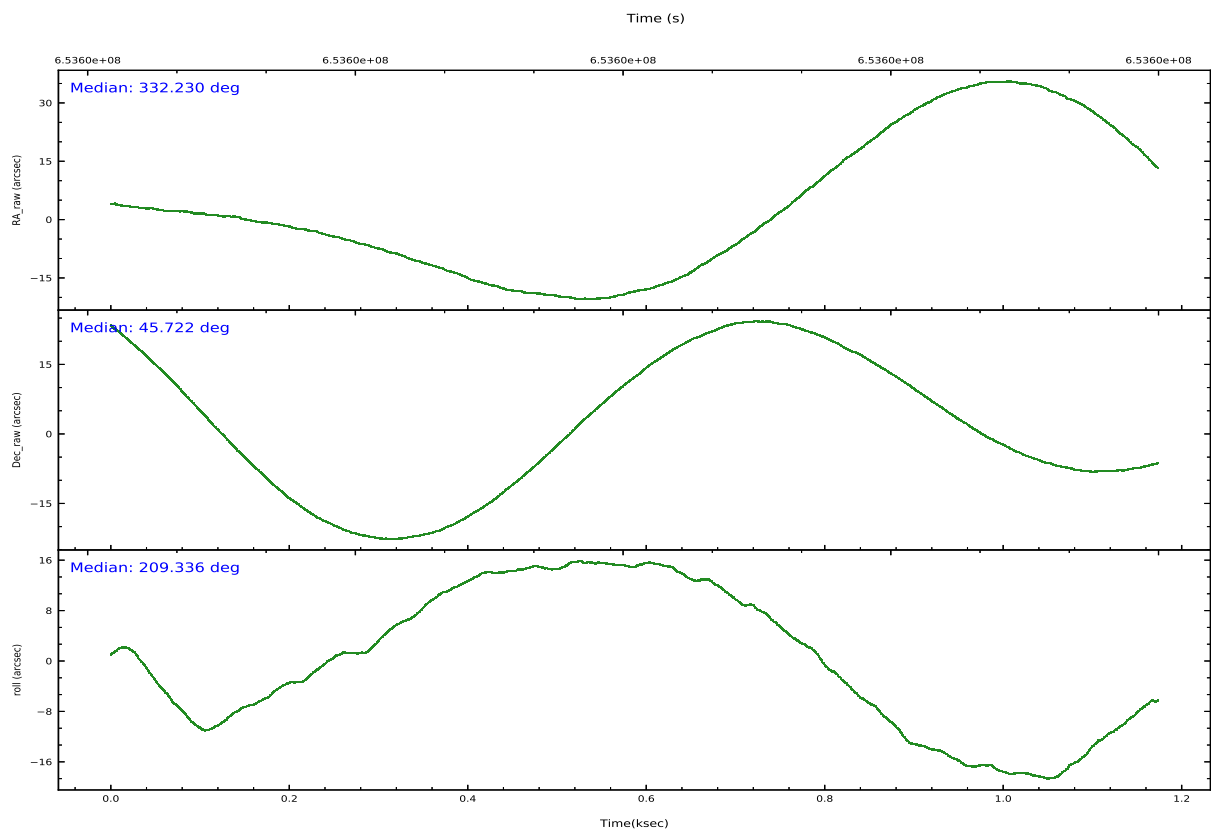
2.2 Compared Parameters

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	332.249006	332.23199794604
[deg] Pointing Dec	45.746531	45.727594427423
[deg] Pointing Roll	209.431946	209.33597293708
[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)	653599200.184000	653598823.62866
Observation start date	2018-09-17T19:18:51	2018-09-17T19:13:43
[s] Observation end time (MET)	653600200.184000	653600334.47875
Observation end date	2018-09-17T19:35:31	2018-09-17T19:38:54

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

2.3 Aspect



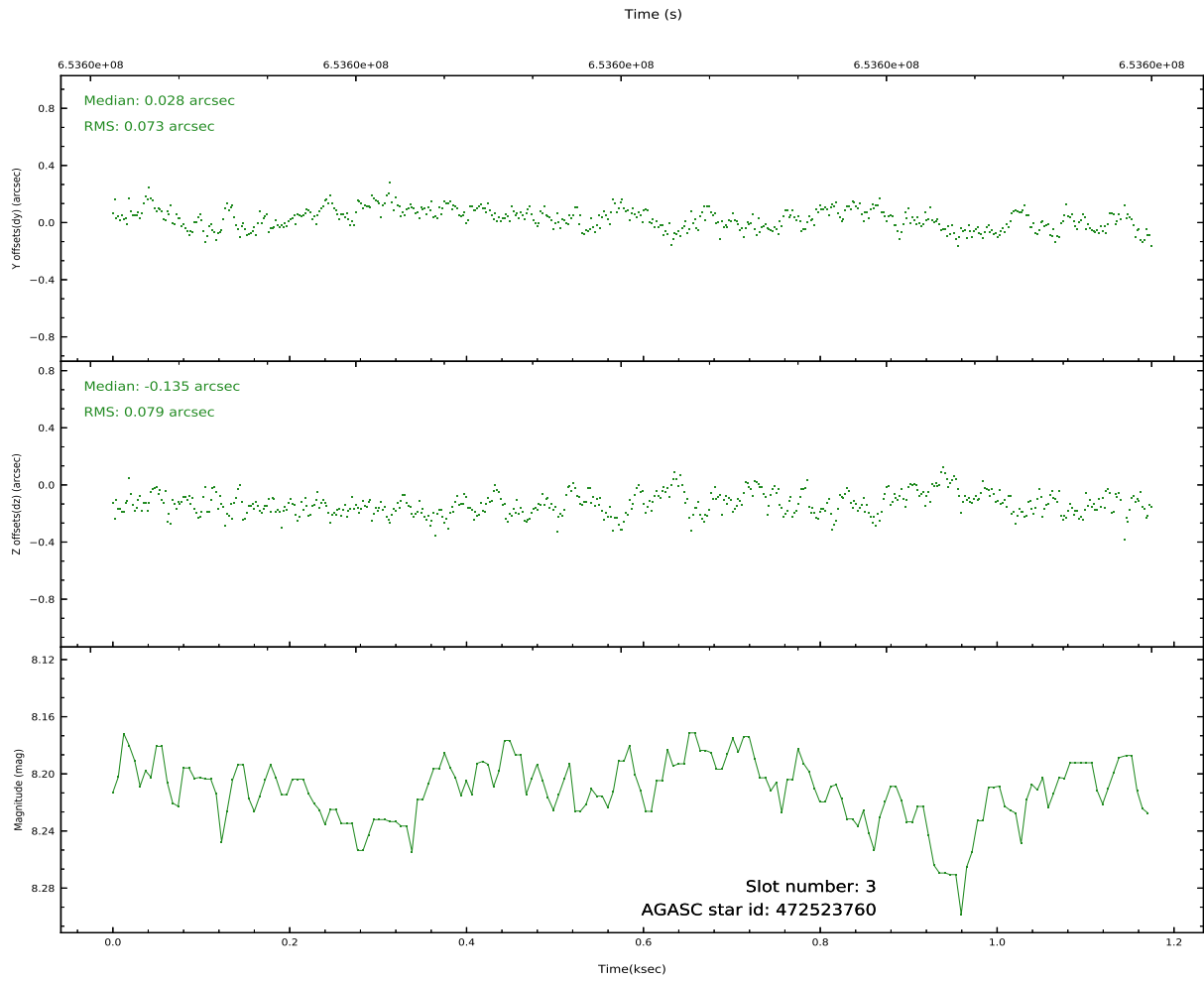
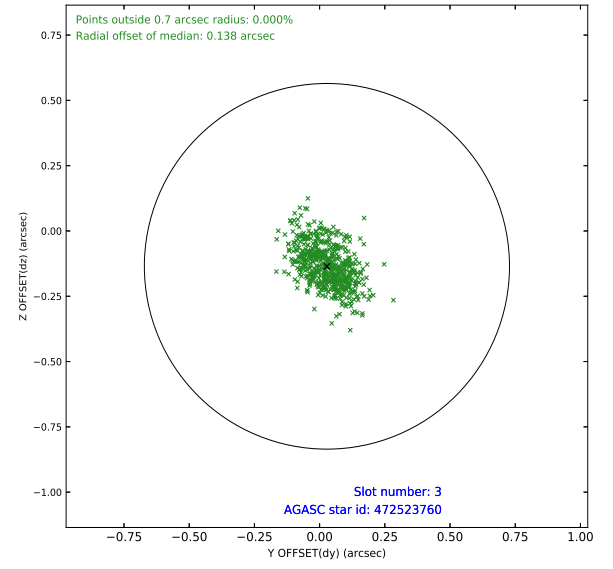
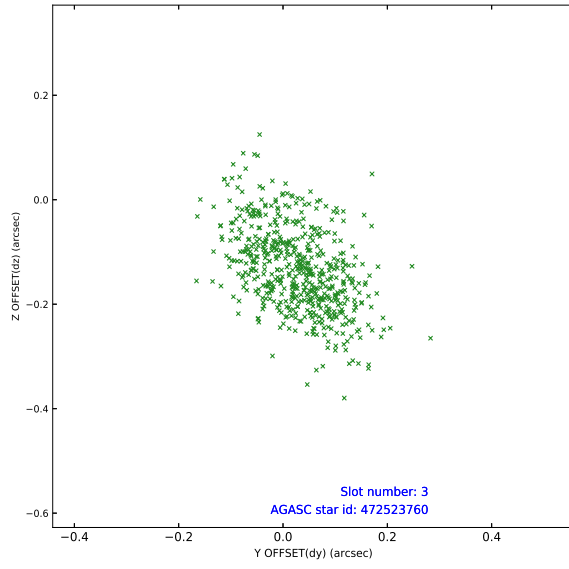


Slot Statistics

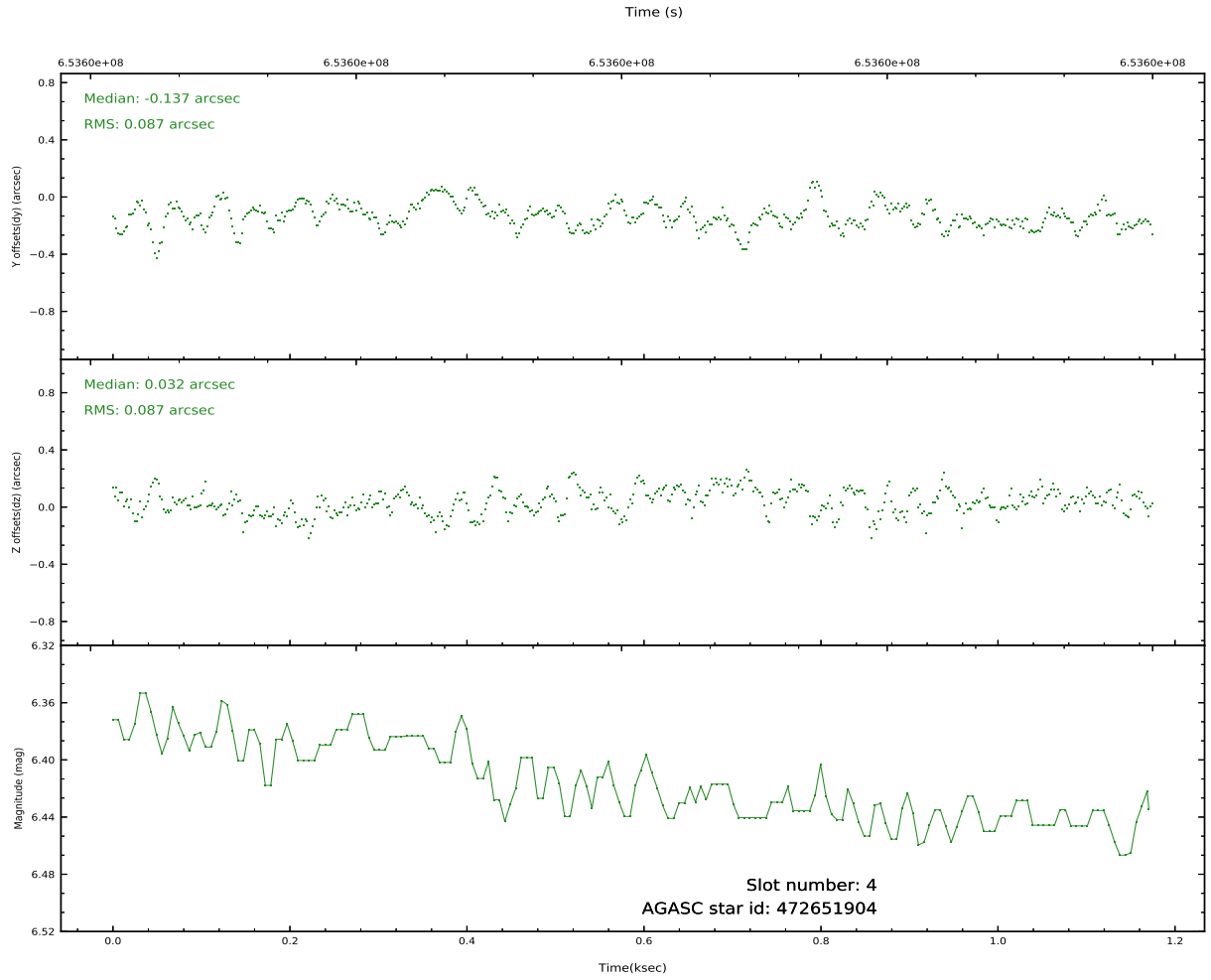
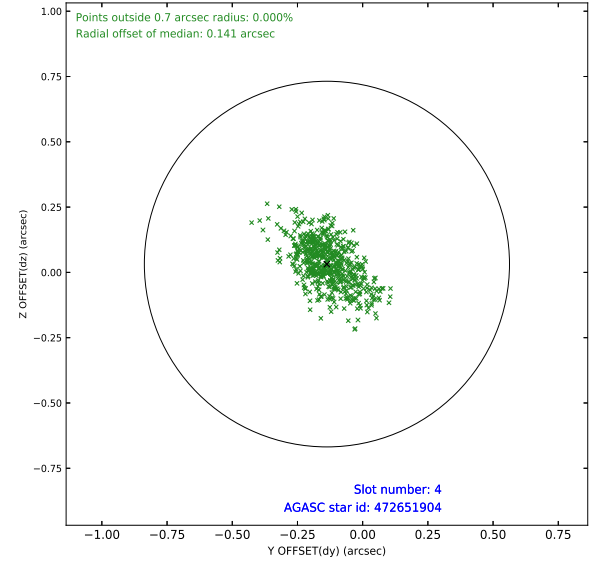
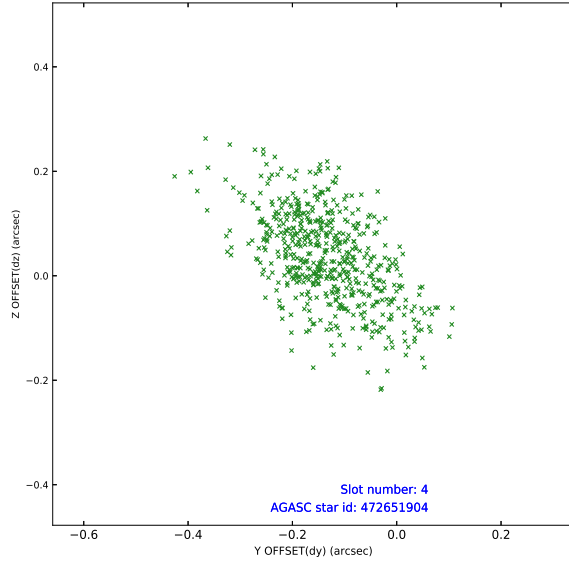
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.03	287	1.000	0.176	-0.129	0.006	0.011	0.000000	0.000000	844.97	-1304
1	FID		HRC-I-3	7.08	287	1.000	-0.224	0.115	0.006	0.010	0.000000	0.000000	-1193.53	996
2	FID		HRC-I-4	7.03	287	1.000	0.167	-0.073	0.006	0.009	0.000000	0.000000	1271.04	1002
3	GUIDE	used	472523760	8.21	573	1.000	0.028	-0.135	0.112	0.195	331.645363	45.403260	1934.49	318
4	GUIDE	used	472651904	6.42	574	1.000	-0.137	0.032	0.126	0.229	332.170077	45.742257	184.85	-87
5	GUIDE	used	472665256	8.95	574	1.000	0.198	-0.015	0.163	0.278	332.808125	46.195041	-2007.75	-729
6	GUIDE	used	420754040	9.03	573	1.000	-0.124	-0.027	0.162	0.255	331.917939	44.882543	2258.19	2288
7	GUIDE	used	472655152	9.41	573	1.000	0.013	0.136	0.226	0.364	332.504239	45.862991	-758.85	-50

2.4 Star Slots

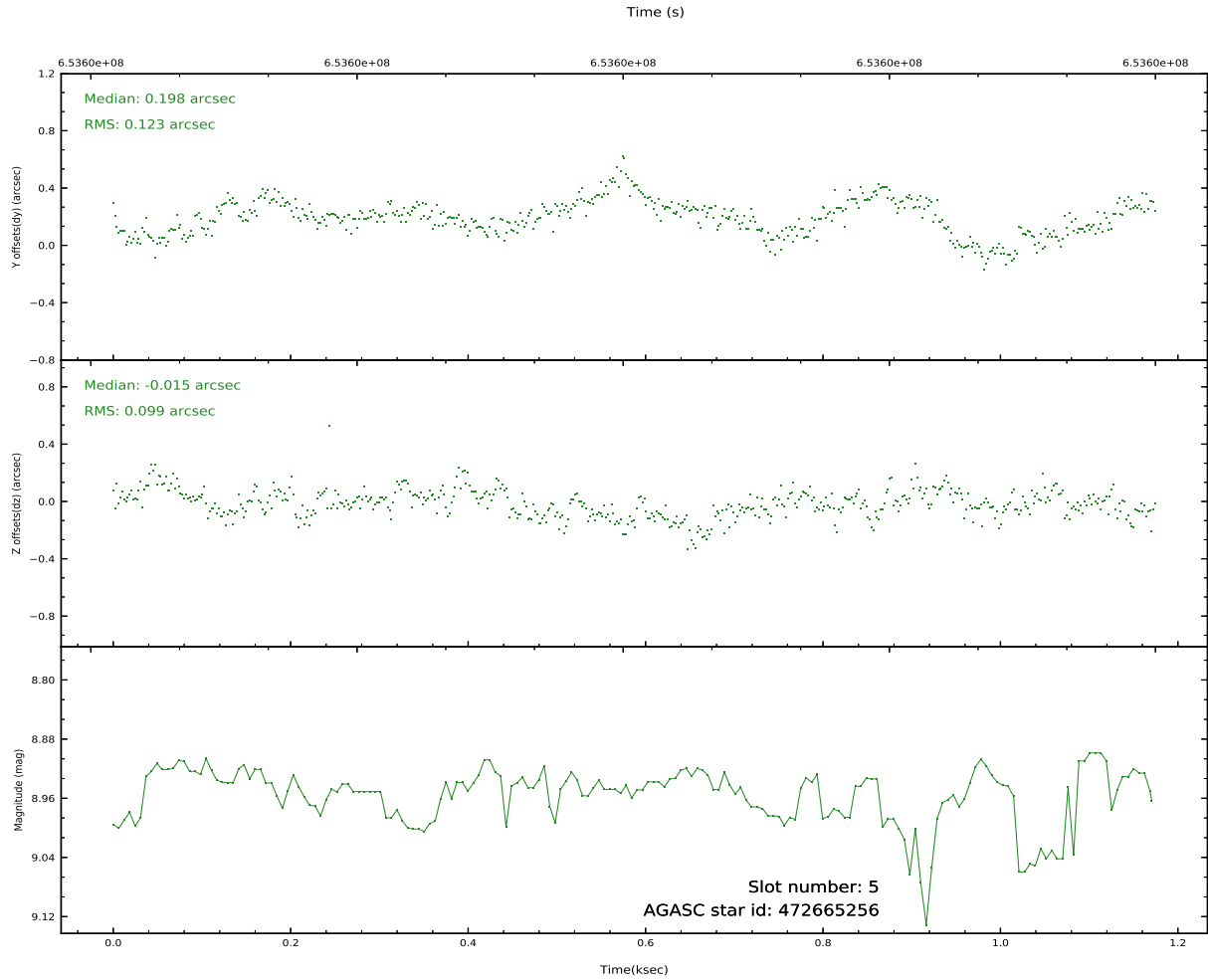
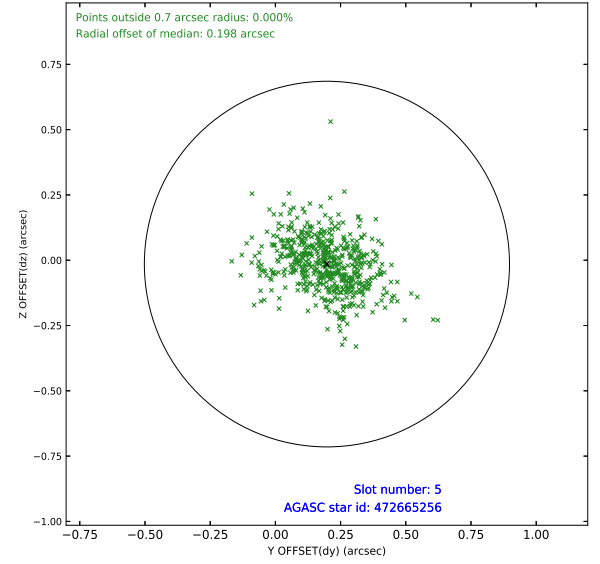
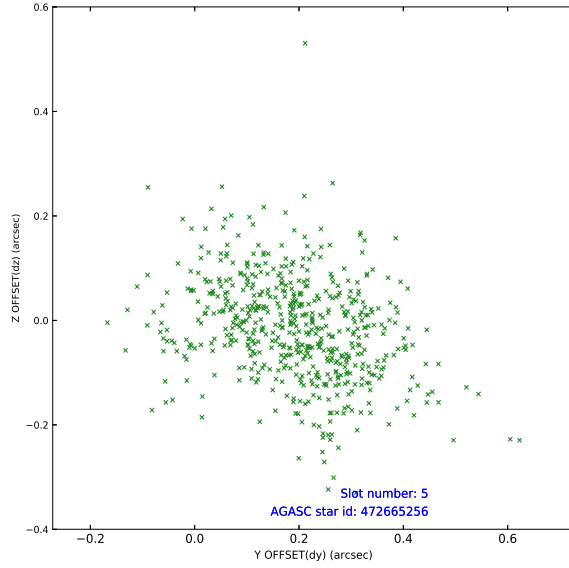
2.4.1 Slot 3



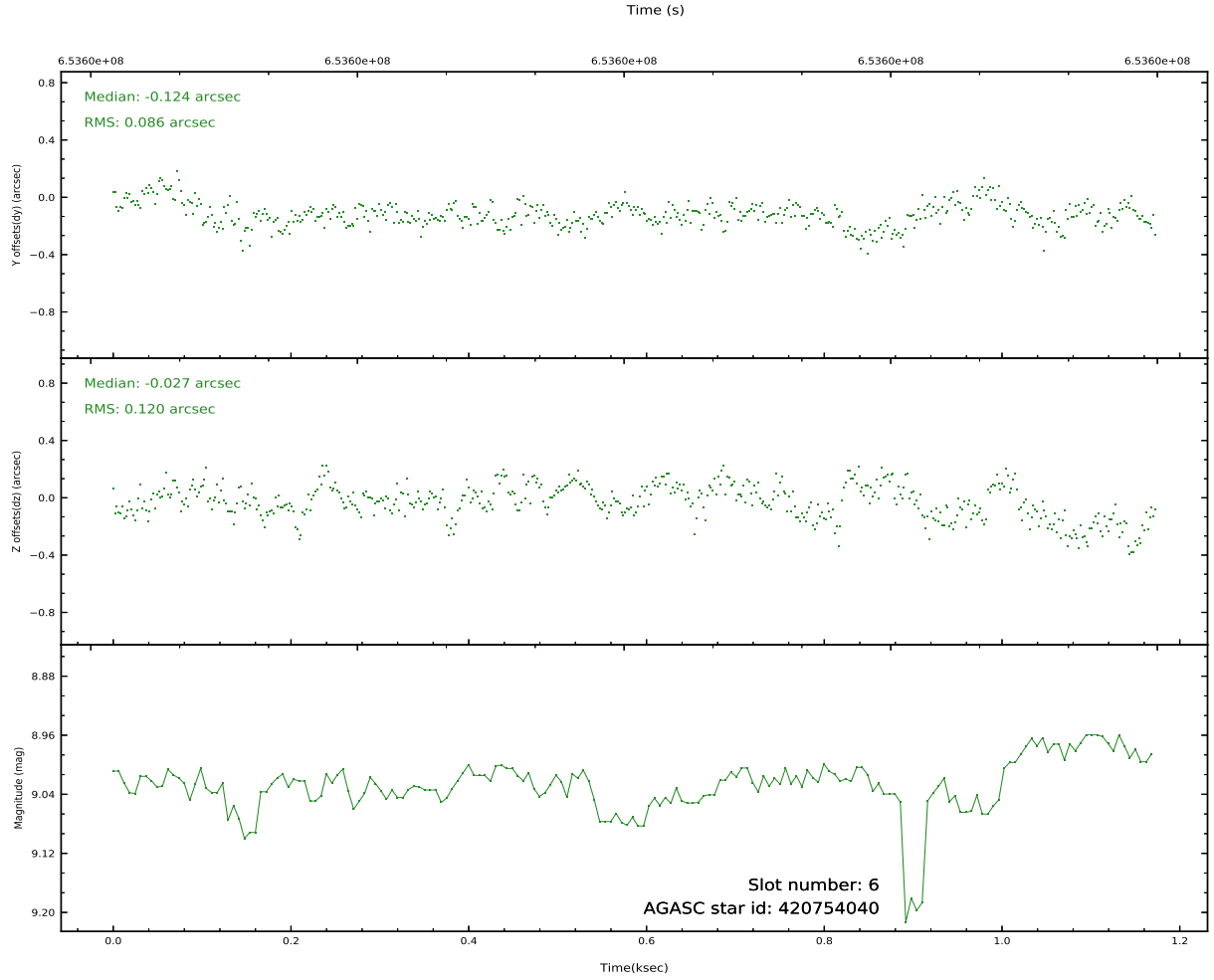
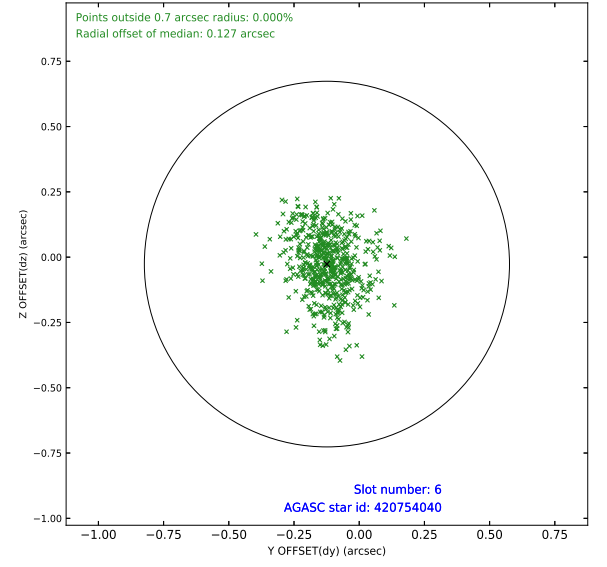
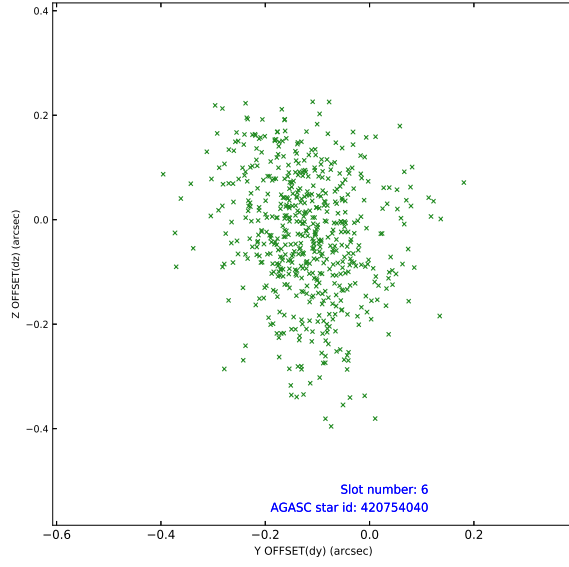
2.4.2 Slot 4



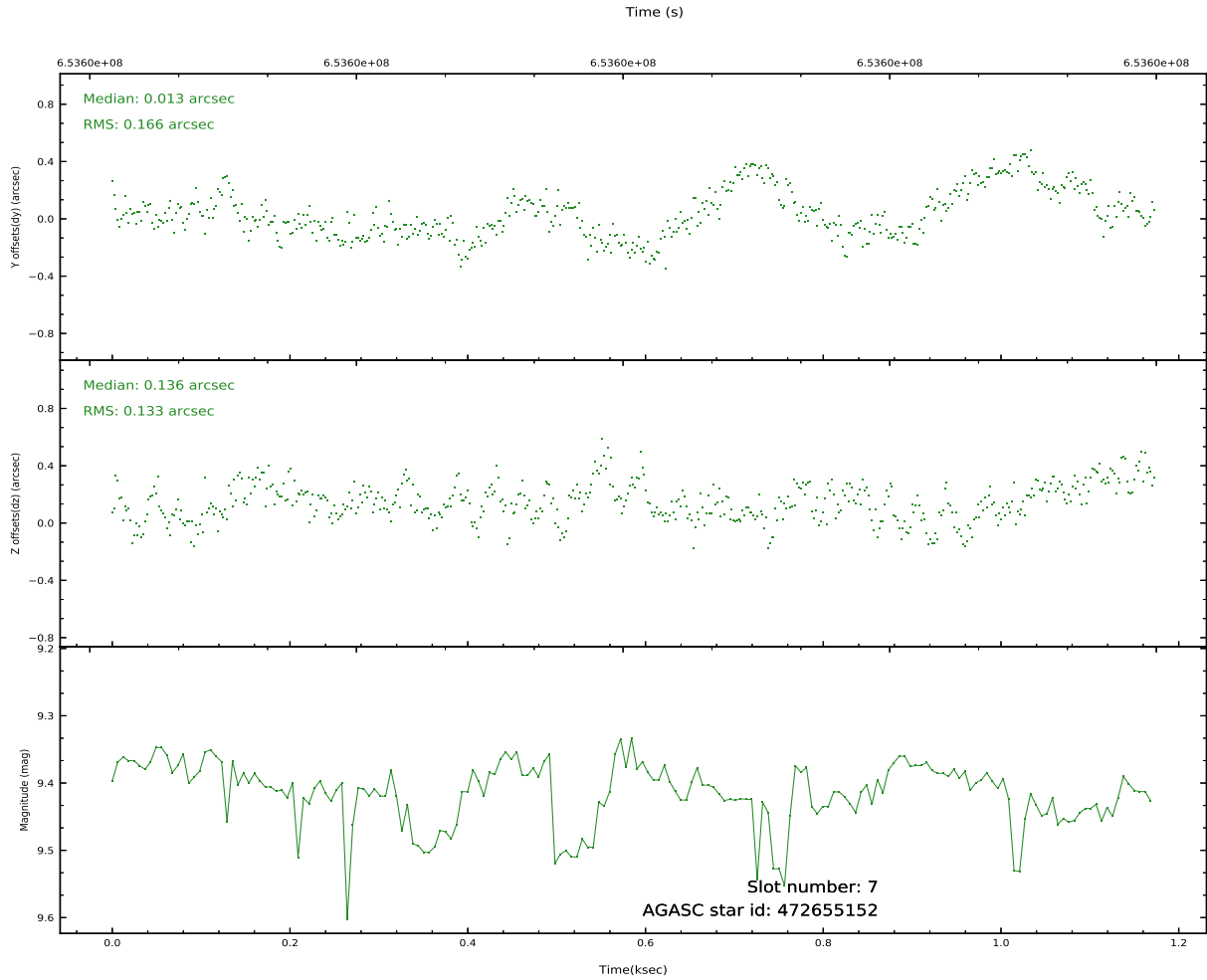
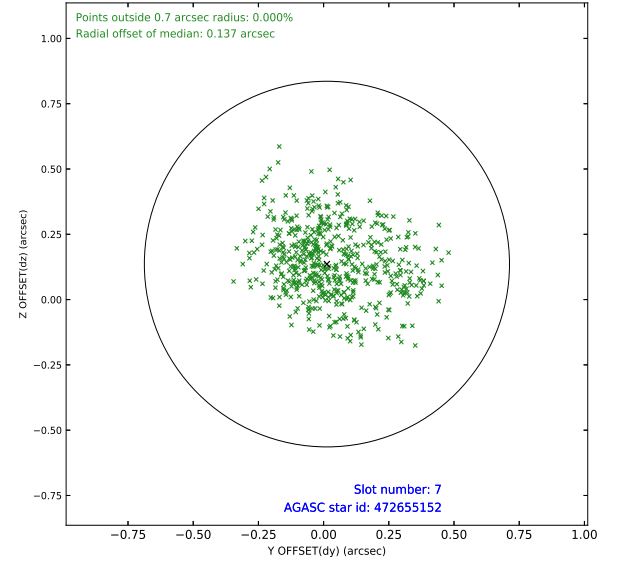
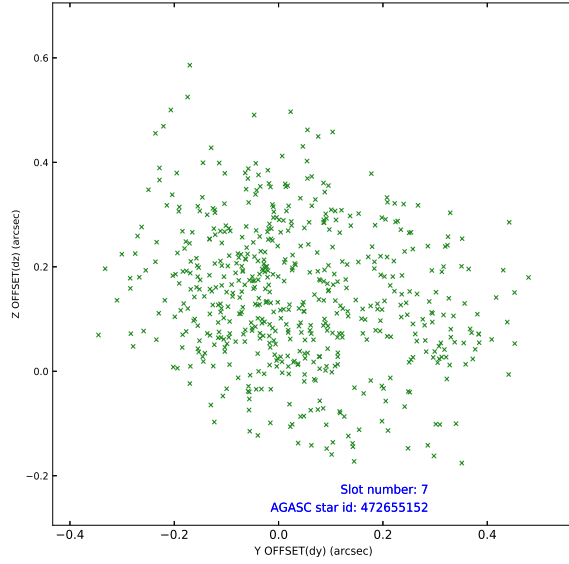
2.4.3 Slot 5



2.4.4 Slot 6

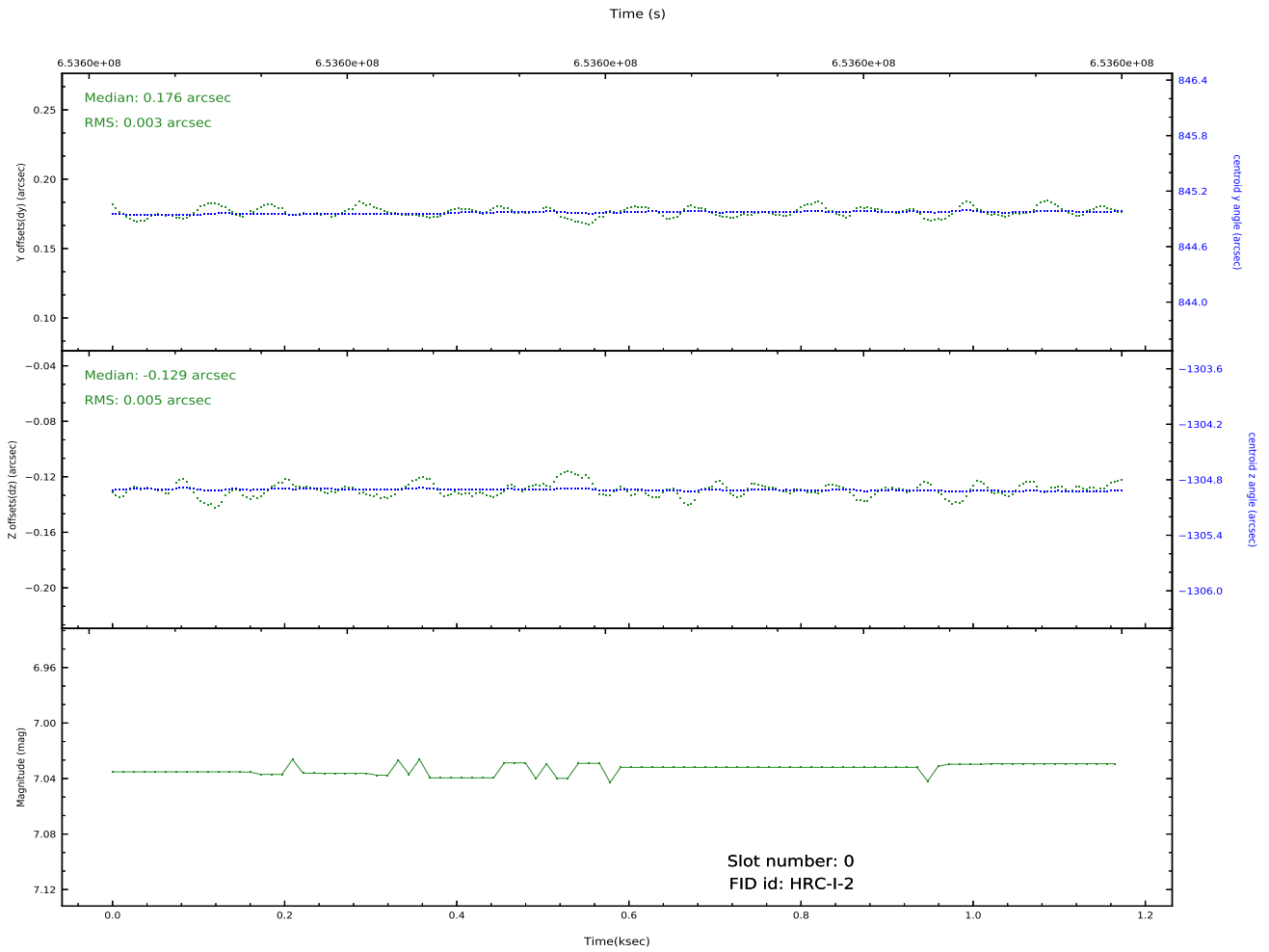
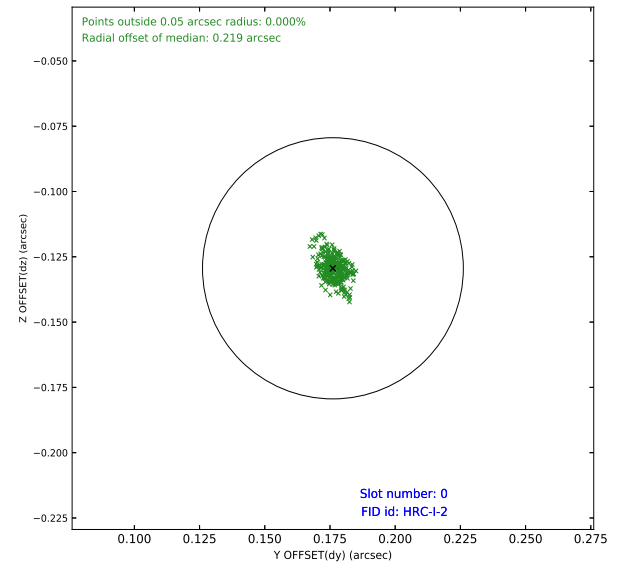
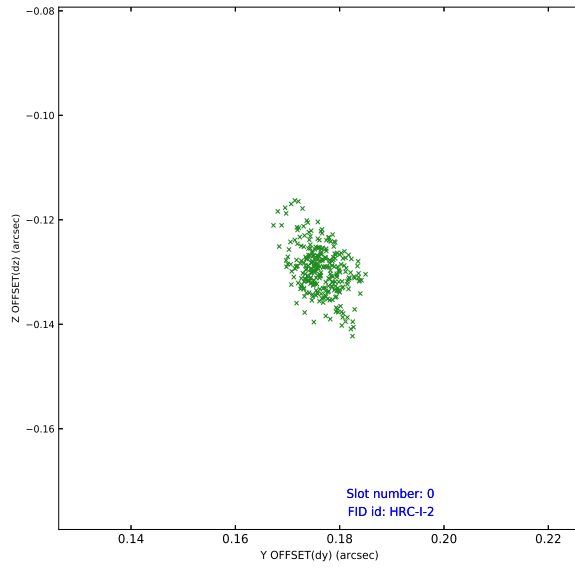


2.4.5 Slot 7

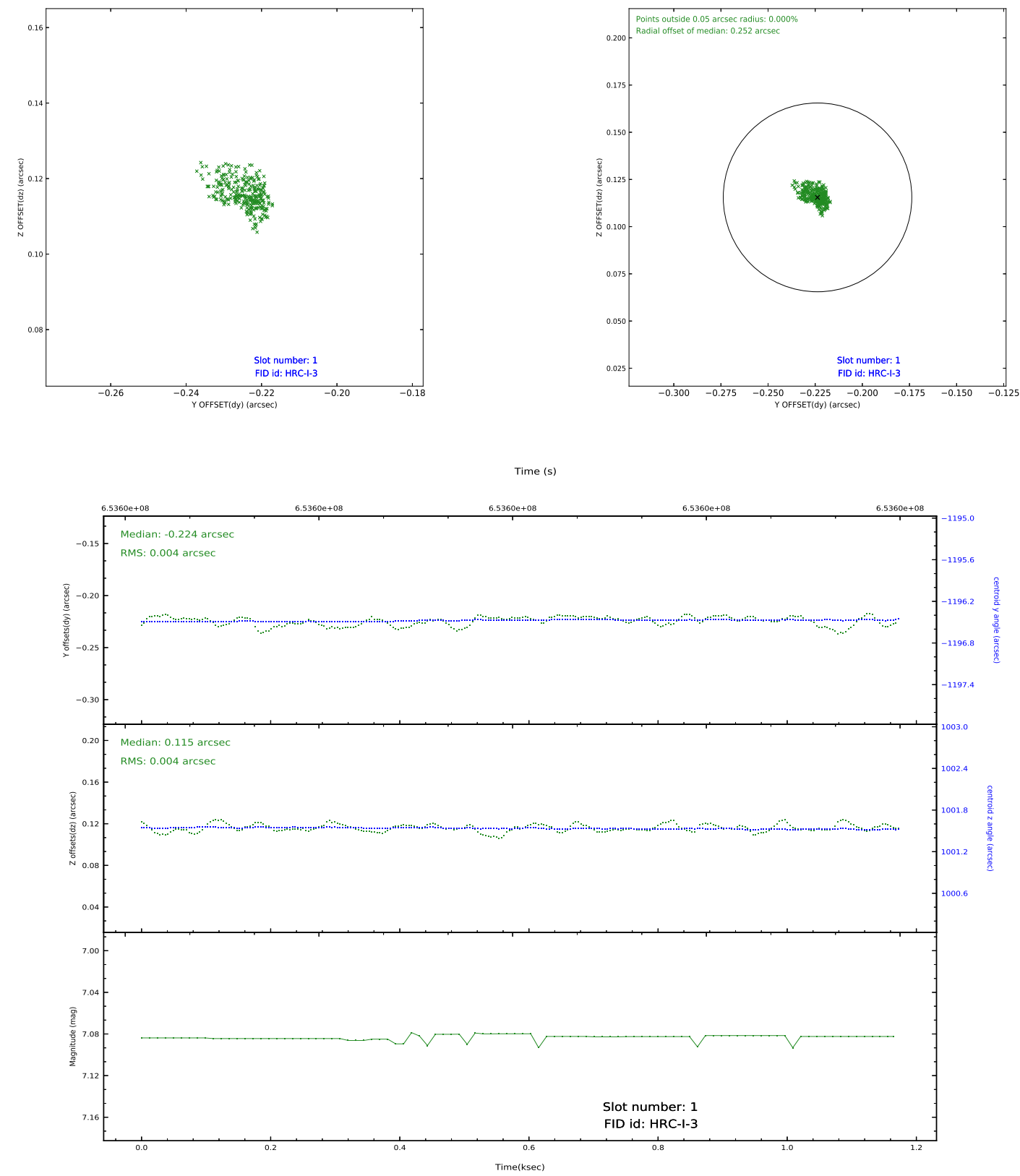


2.5 FID Slots

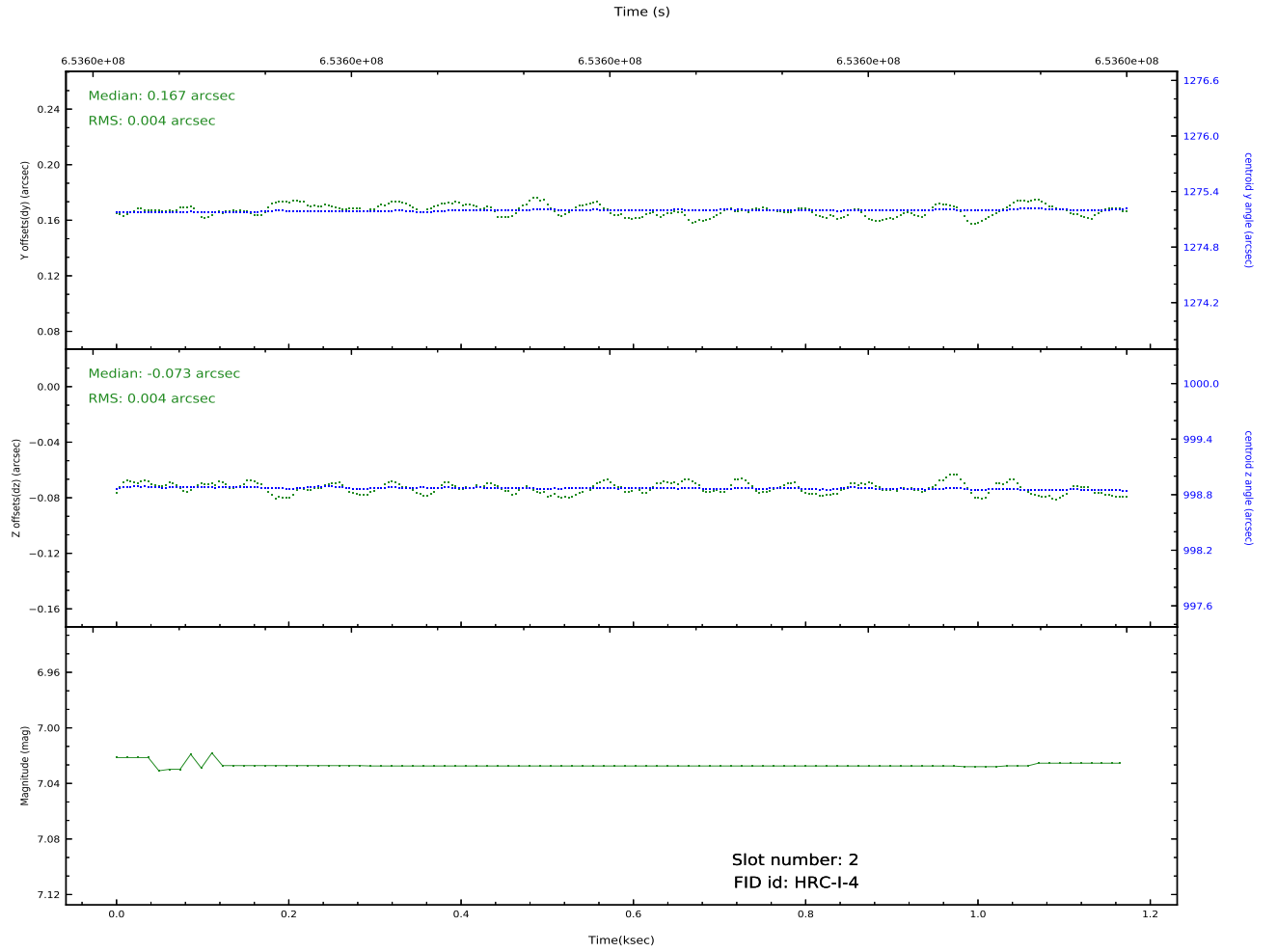
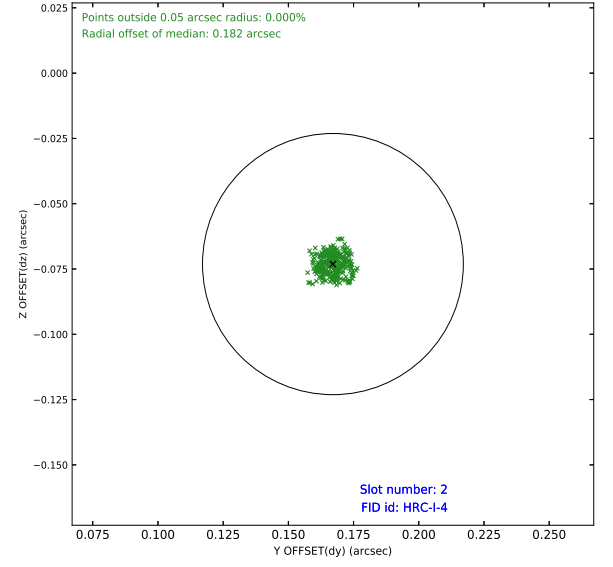
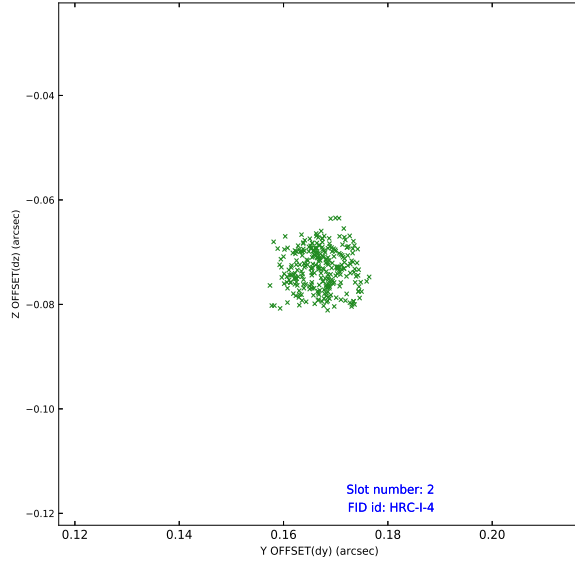
2.5.1 Slot 0



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	1.1738813198805

A.2 Comments