

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5986 - L2 Version 5
Chandra X-Ray Center

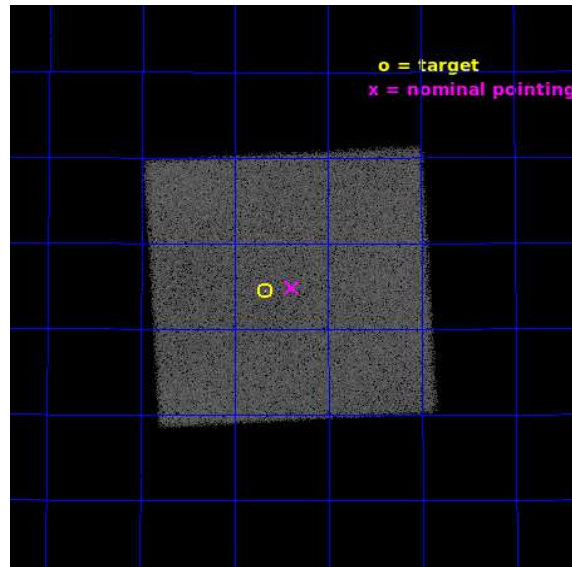
L2 Processing Date : Oct 10 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

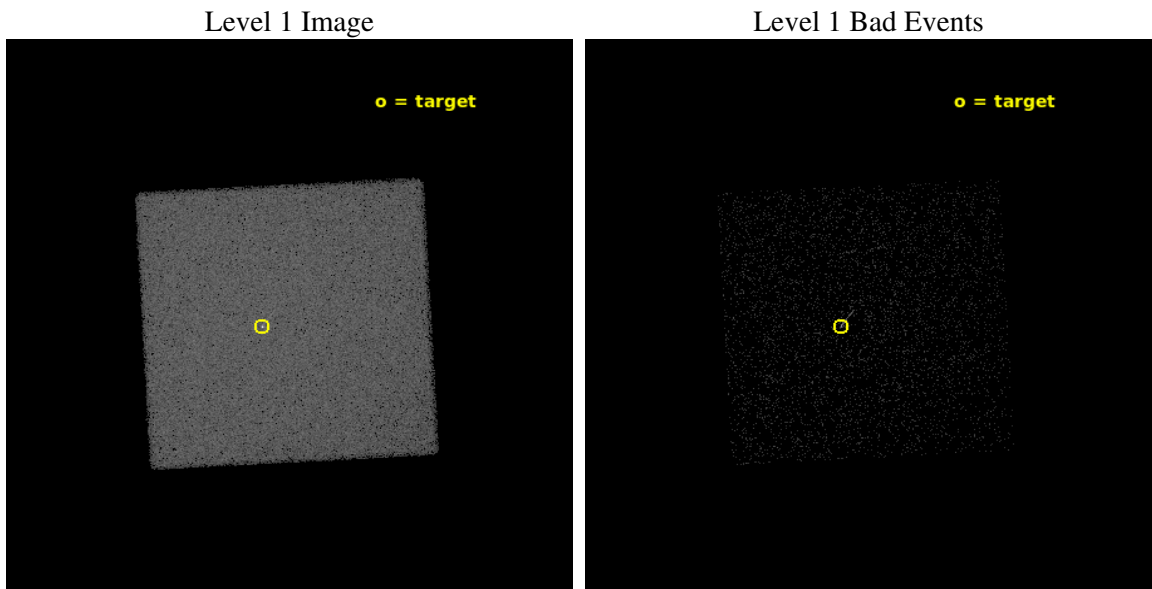
seq_num	290478	Sequence number
obs_id	5986	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09702915352	Nominal RA [deg]
dec_nom	45.747683313024	Nominal Dec [deg]
roll_nom	221.89442042044	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1188.2313046753	[s]
livetime	330.13177619309	Ontime multiplied by DTCOR
l2events	167169	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	10.9.1	Processing system revision	ontime	1188.2313046753	[s]
caldbver	4.9.2	 	l1events	278208	Number of level 1 events
date	2020-10-10T13:59:35	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

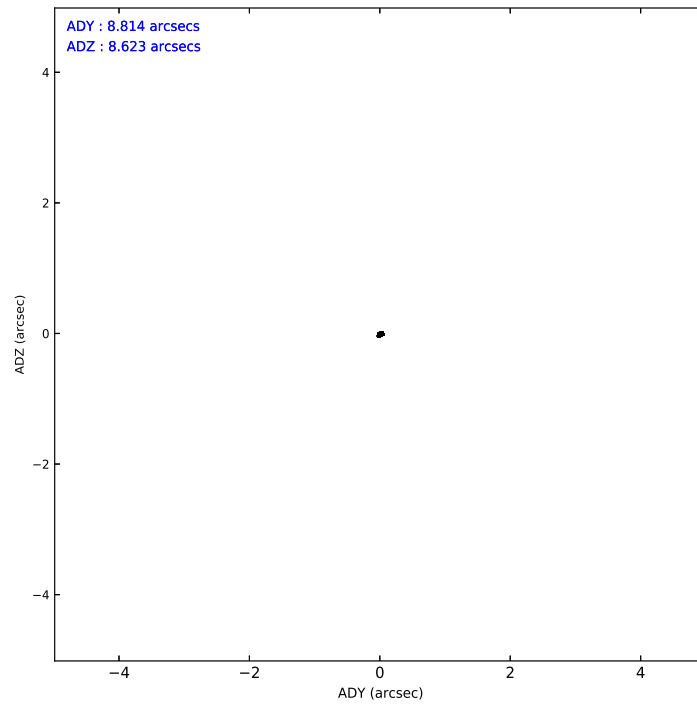
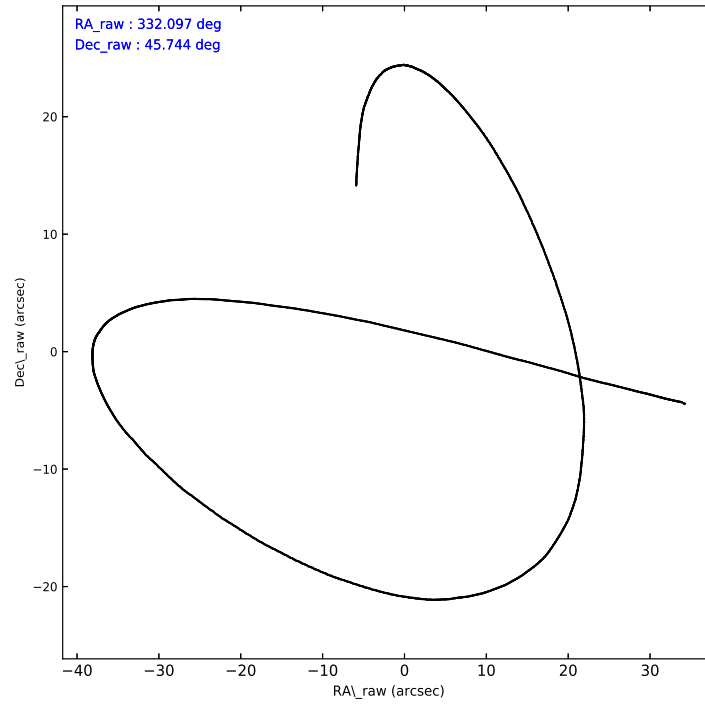
	segment 0
level 1 events	278208
rejected events	59112
rejected %	21%

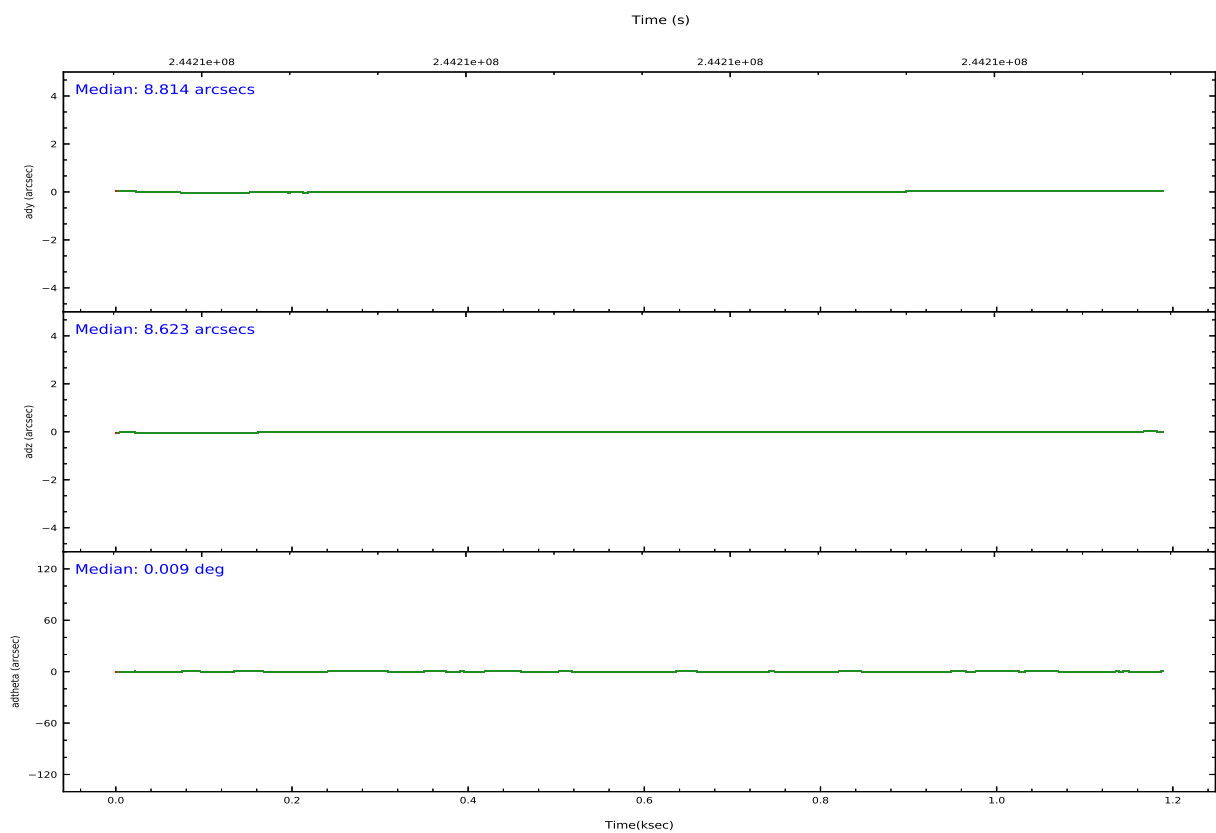
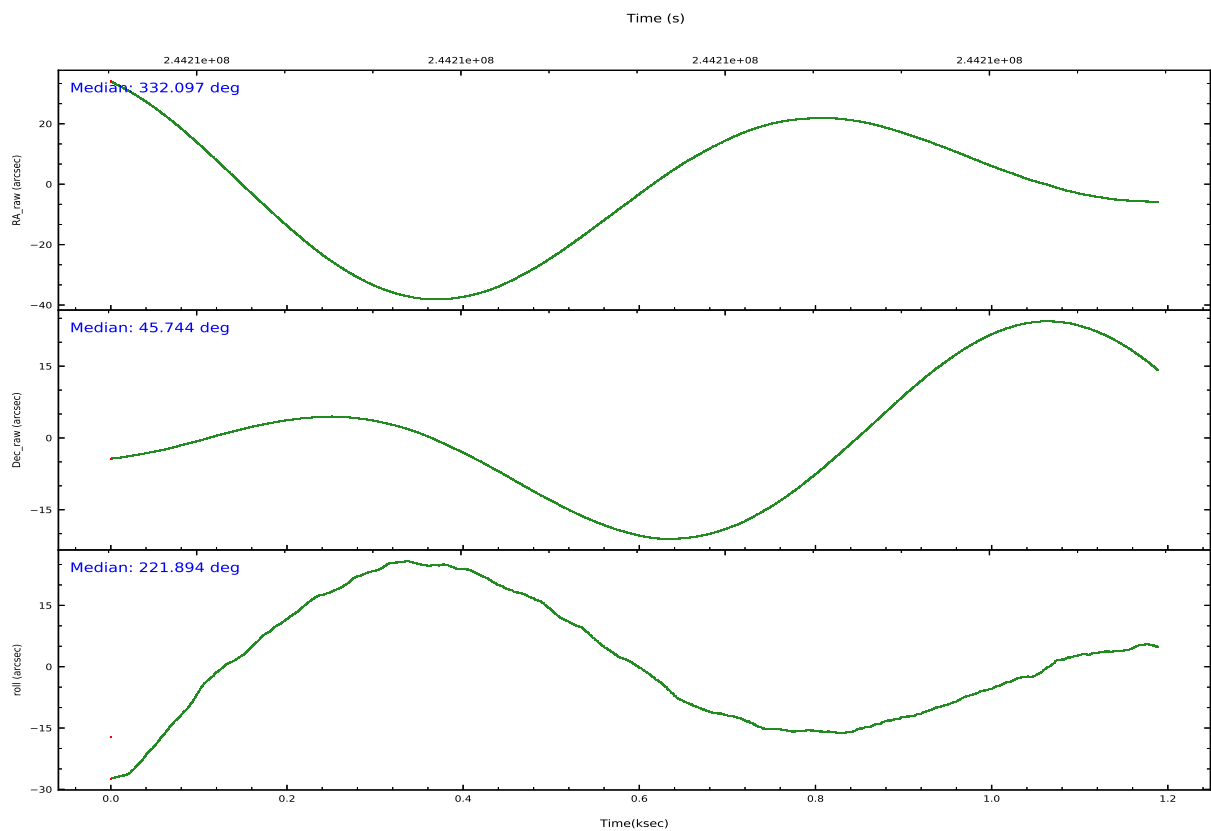
2.2 Compared Parameters

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	332.108116	332.09702915352
[deg] Pointing Dec	45.769379	45.747683313024
[deg] Pointing Roll	221.992266	221.89442042044
[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)	244209792.184000	244209416.09757
Observation start date	2005-09-27T12:02:08	2005-09-27T11:56:56
[s] Observation end time (MET)	244210792.184000	244210926.43514
Observation end date	2005-09-27T12:18:48	2005-09-27T12:22:06

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

2.3 Aspect



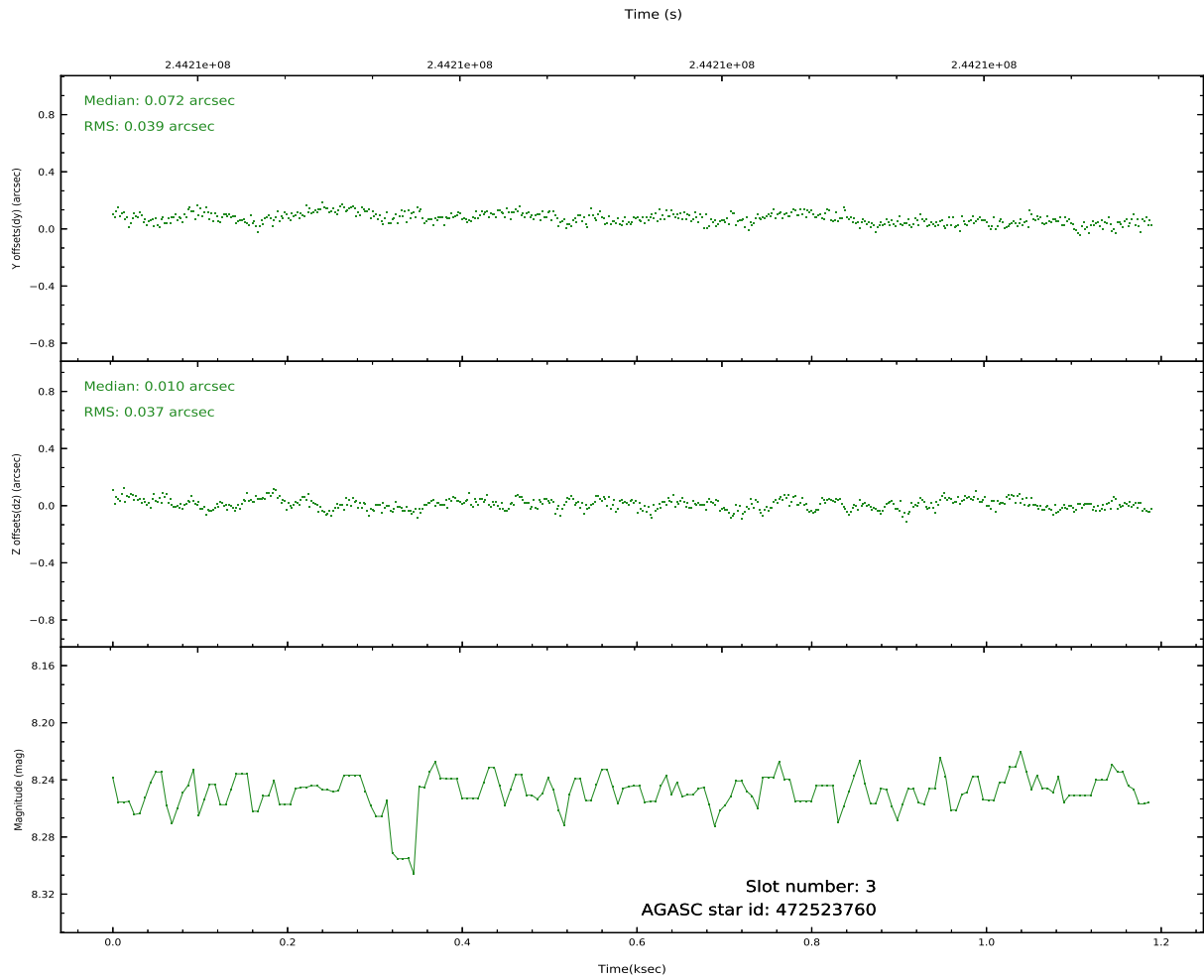
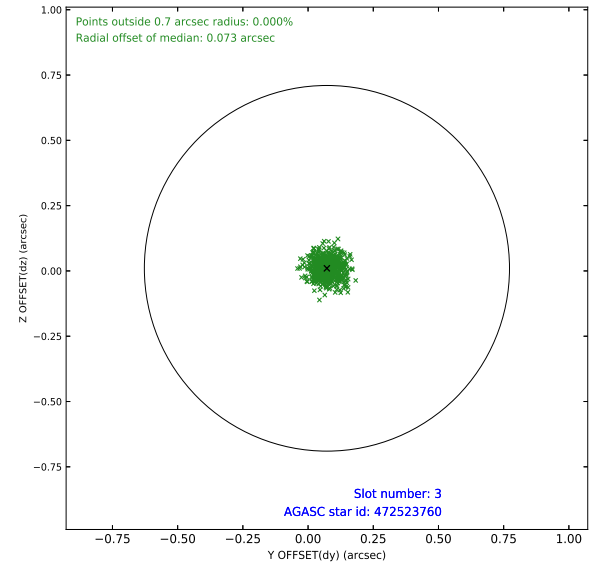
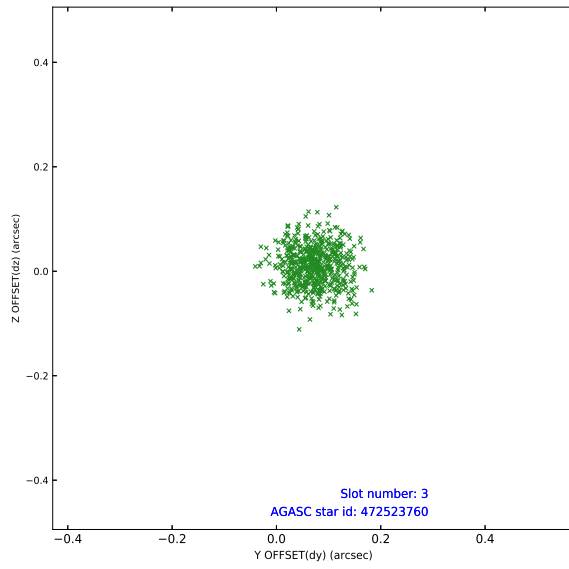


Slot Statistics

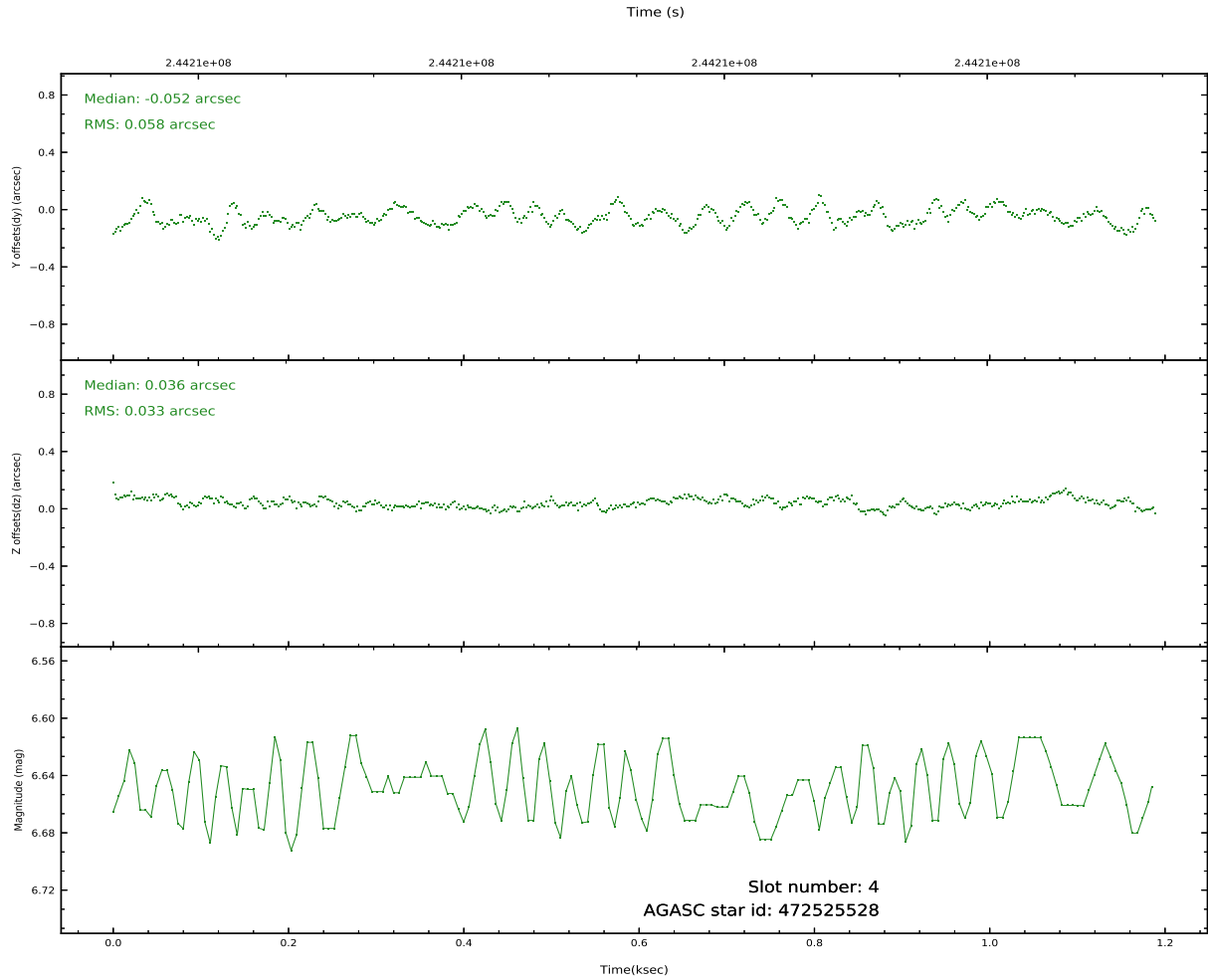
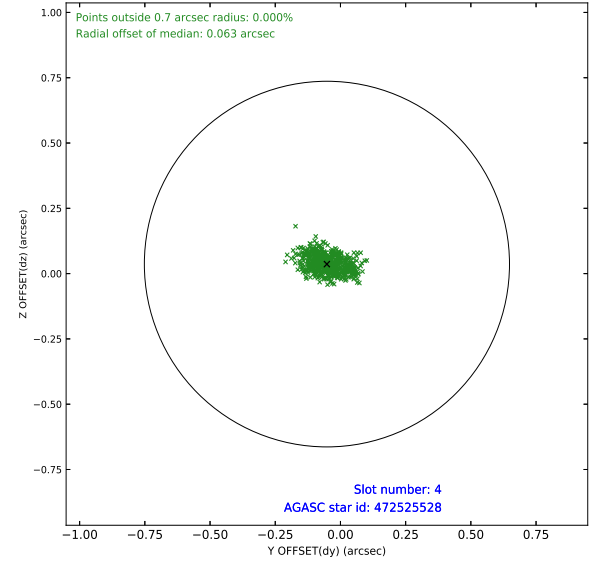
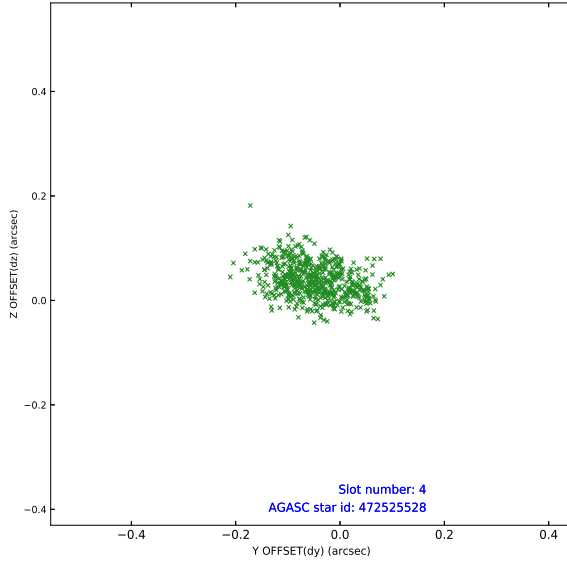
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	291	1.000	-0.031	0.037	0.006	0.011	0.000000	0.000000	-764.49	-1296
1	FID		HRC-I-2	7.02	291	1.000	0.184	-0.128	0.005	0.009	0.000000	0.000000	845.73	-1302
2	FID		HRC-I-3	7.07	291	1.000	-0.034	0.001	0.006	0.010	0.000000	0.000000	-1190.07	1003
3	GUIDE	used	472523760	8.25	581	1.000	0.072	0.010	0.058	0.094	331.645363	45.403260	1750.47	196
4	GUIDE	used	472525528	6.65	581	1.000	-0.052	0.036	0.071	0.117	331.551102	45.248694	2304.39	447
5	GUIDE	used	472533912	9.15	581	1.000	-0.004	0.055	0.120	0.187	331.791136	46.368695	-853.81	-2128
6	GUIDE	used	472651904	6.15	581	1.000	-0.053	-0.172	0.067	0.109	332.170077	45.742257	-50.45	174
7	GUIDE	used	472655152	9.43	580	1.000	0.033	0.068	0.113	0.196	332.504239	45.862991	-963.80	414

2.4 Star Slots

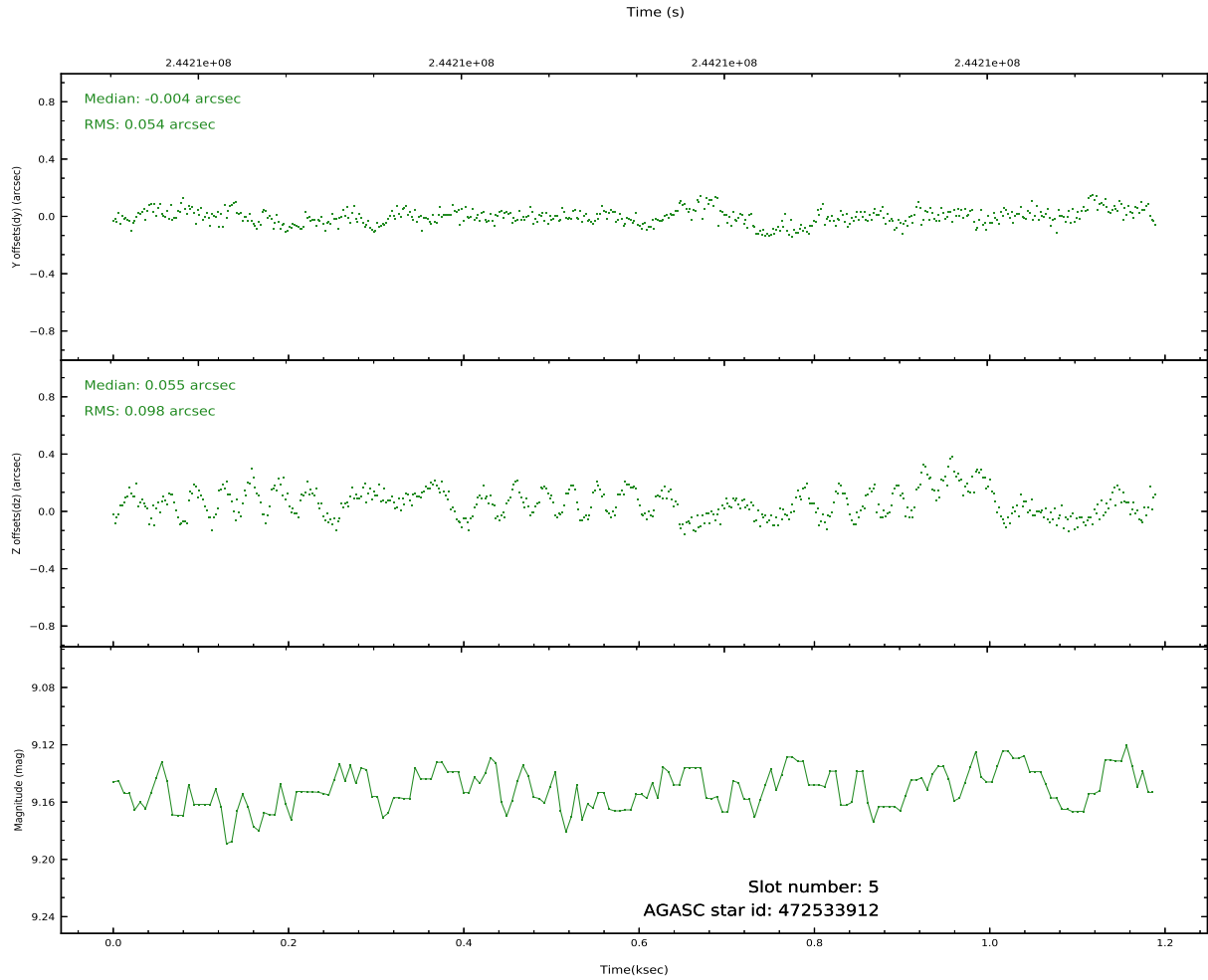
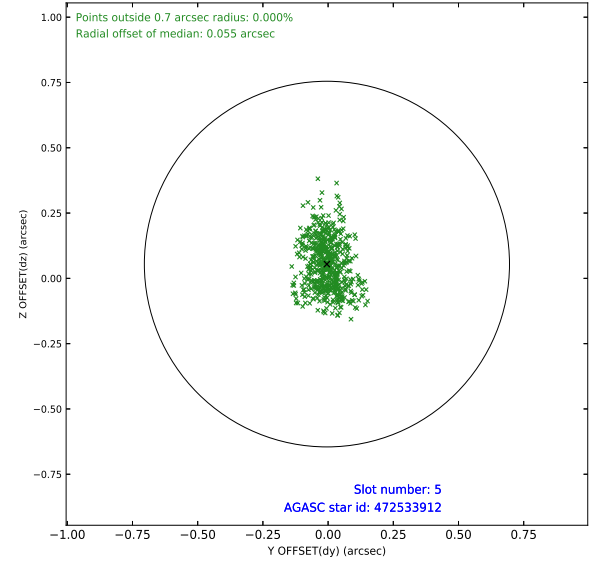
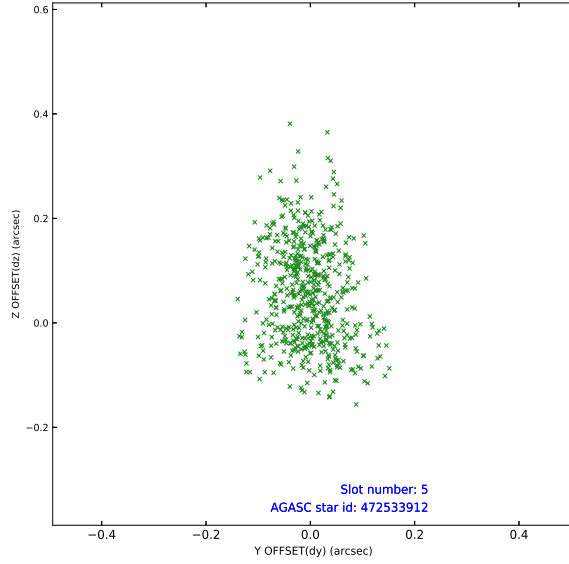
2.4.1 Slot 3



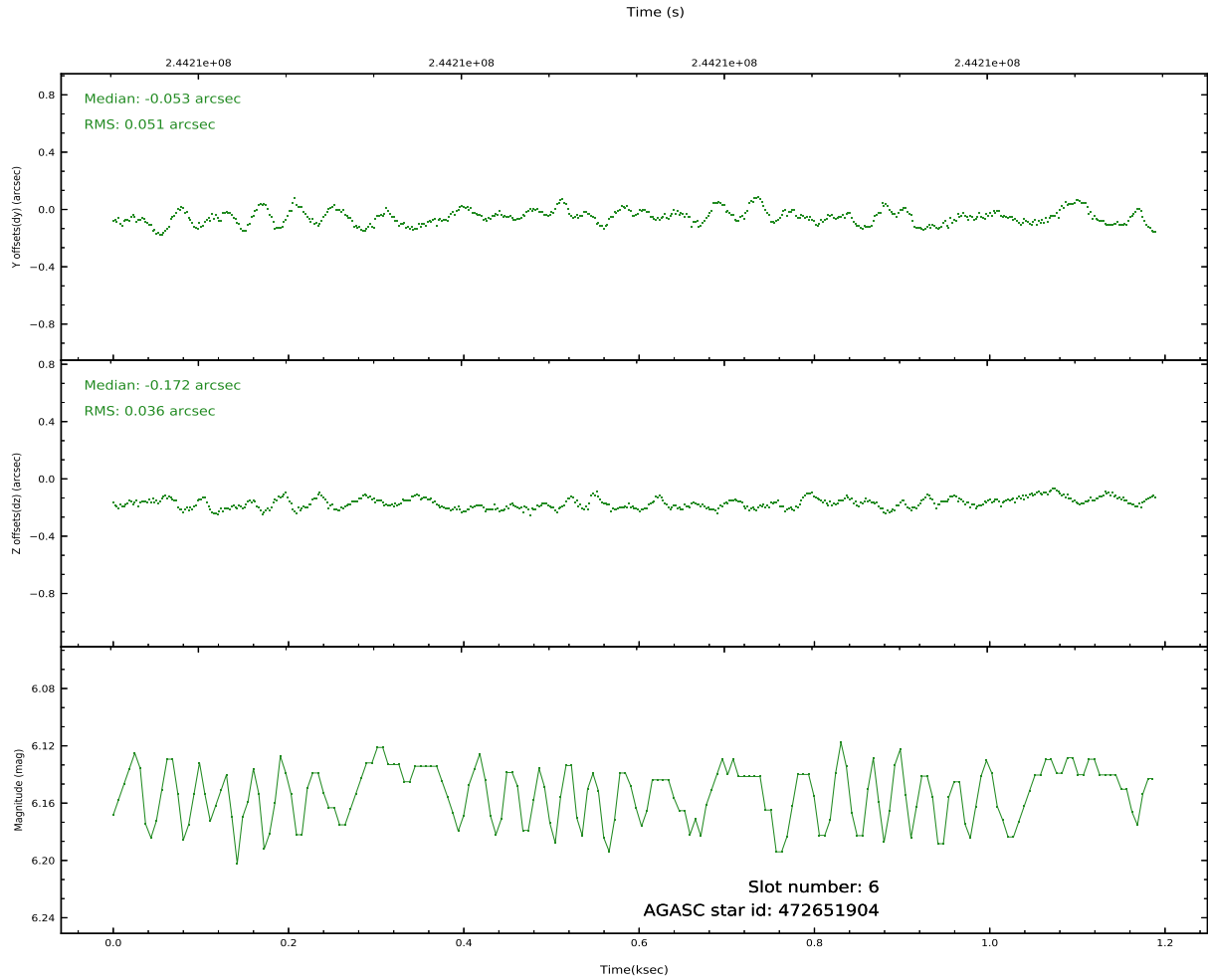
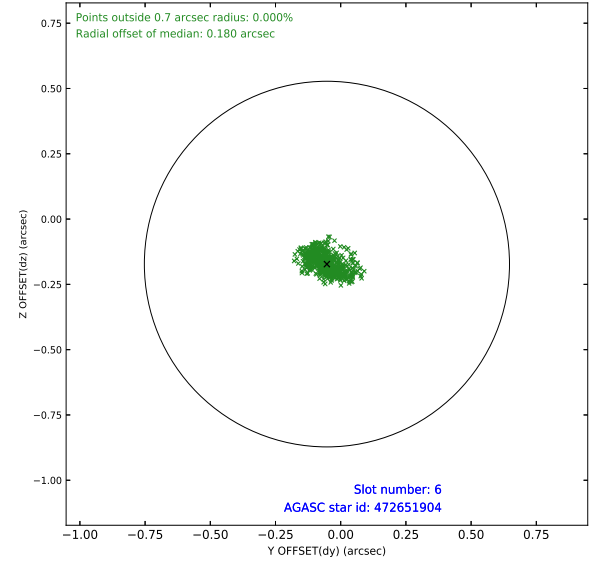
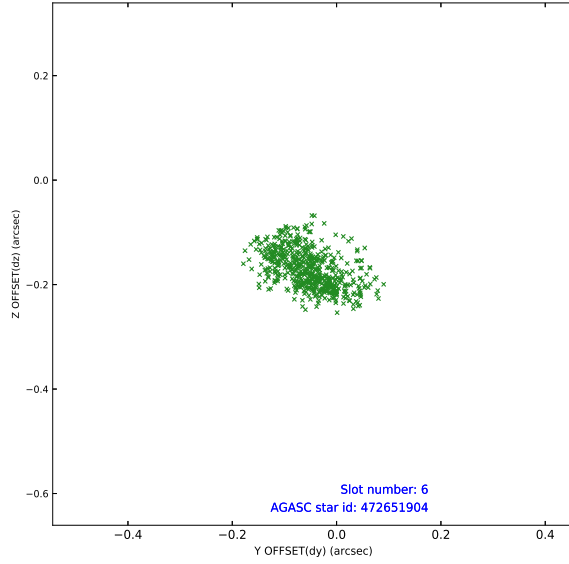
2.4.2 Slot 4



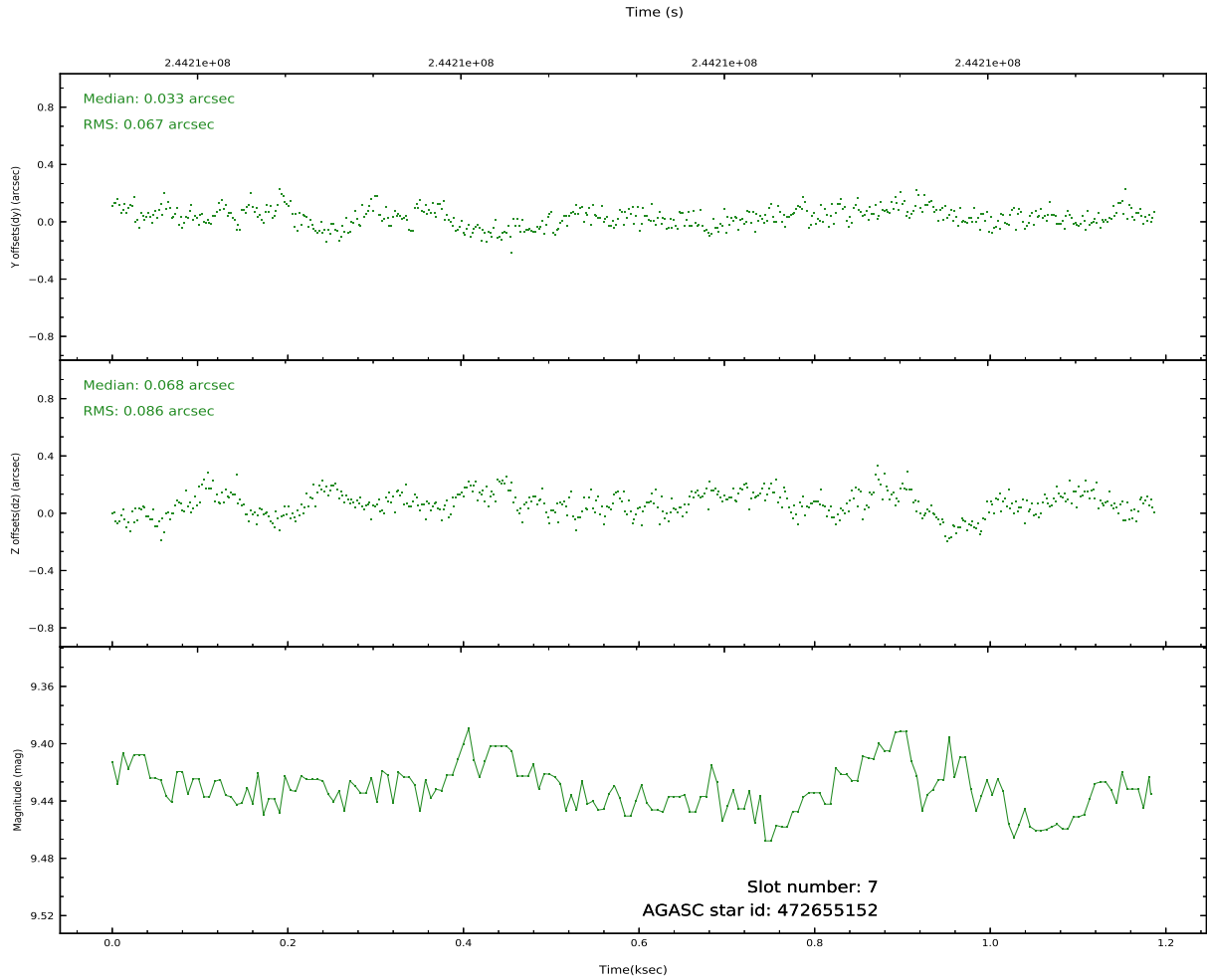
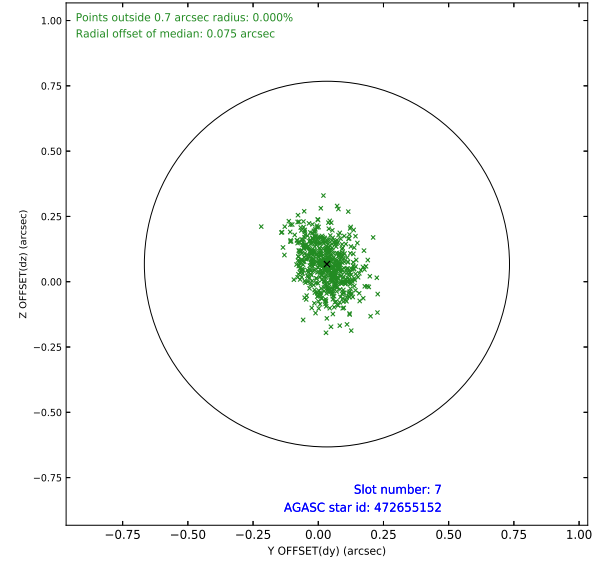
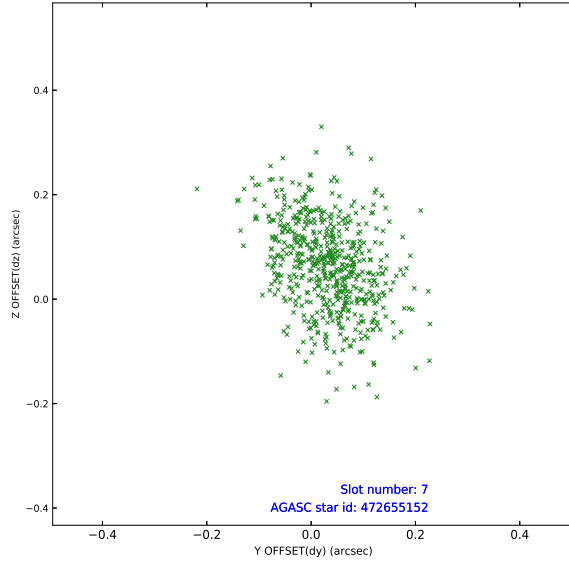
2.4.3 Slot 5



2.4.4 Slot 6

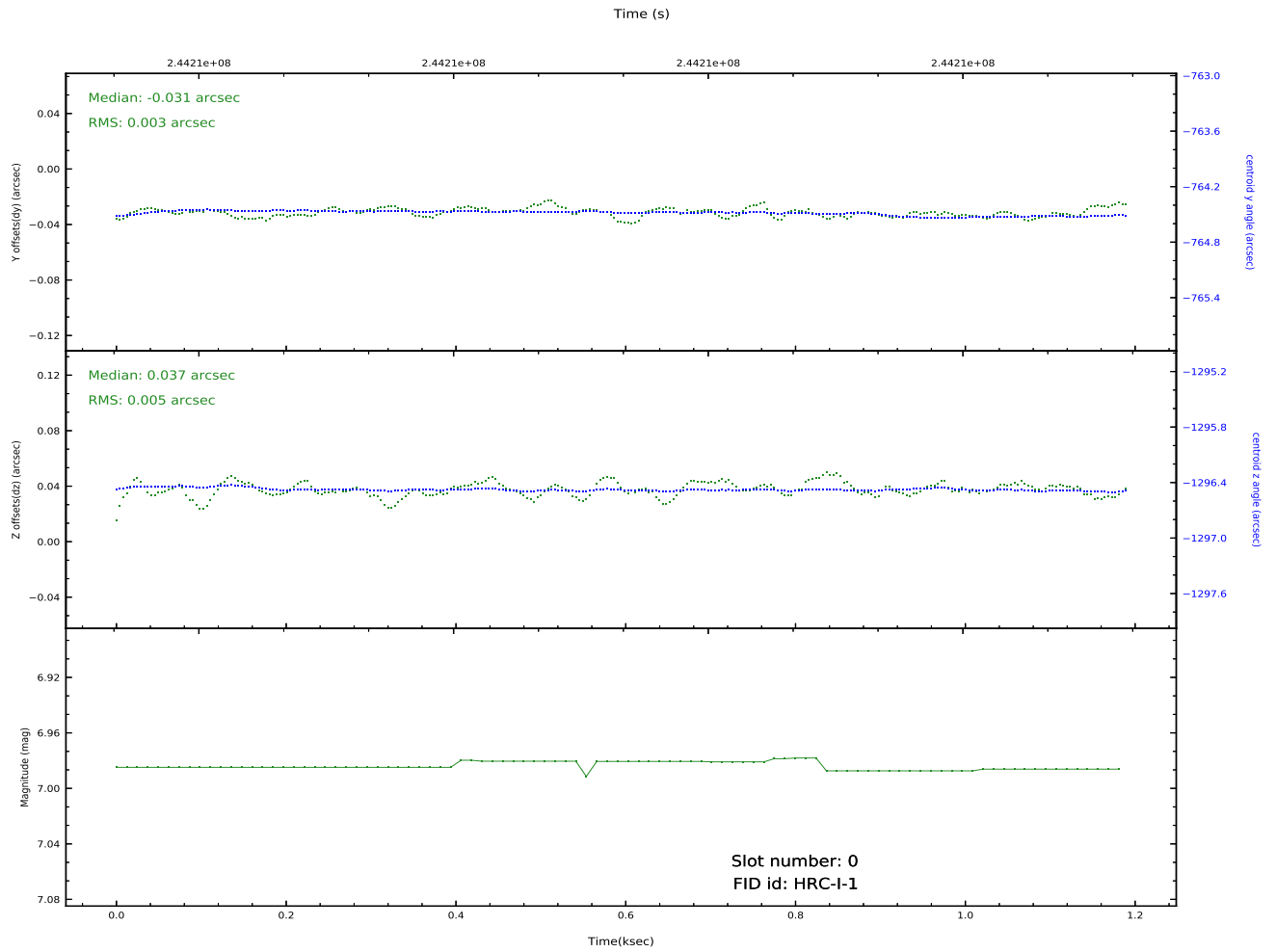
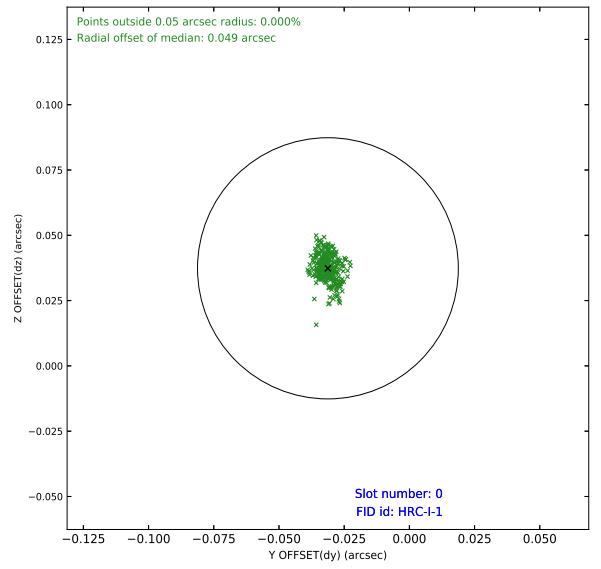
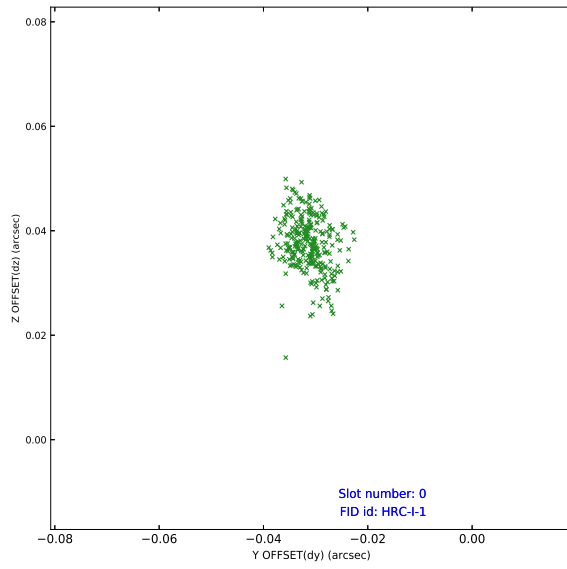


2.4.5 Slot 7

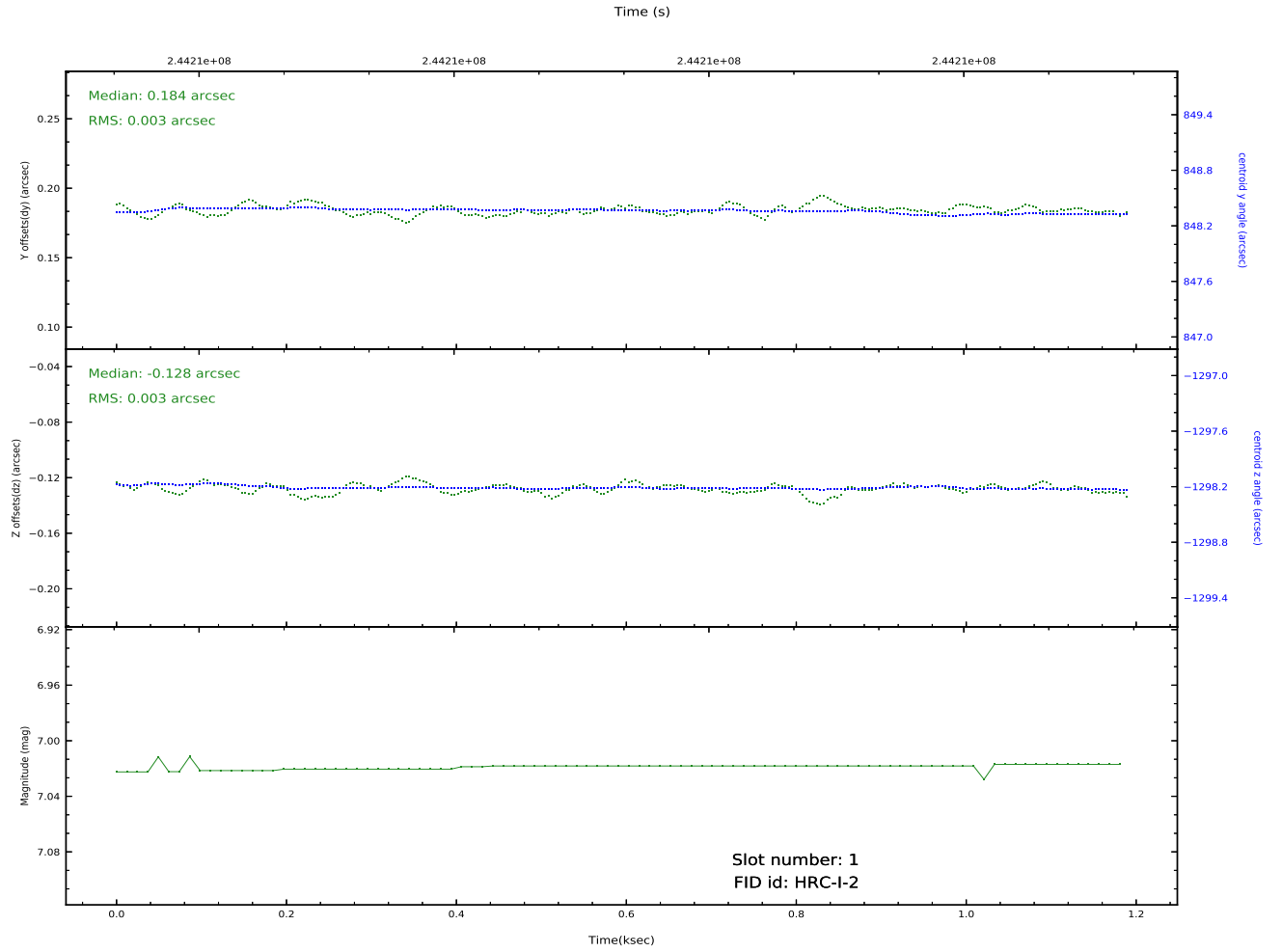
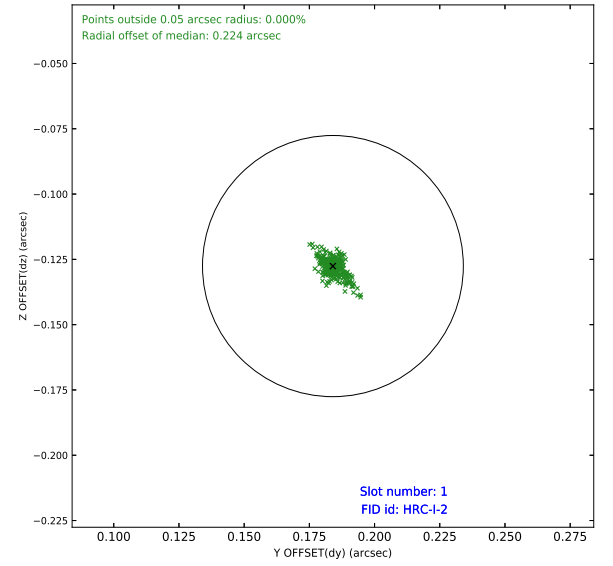
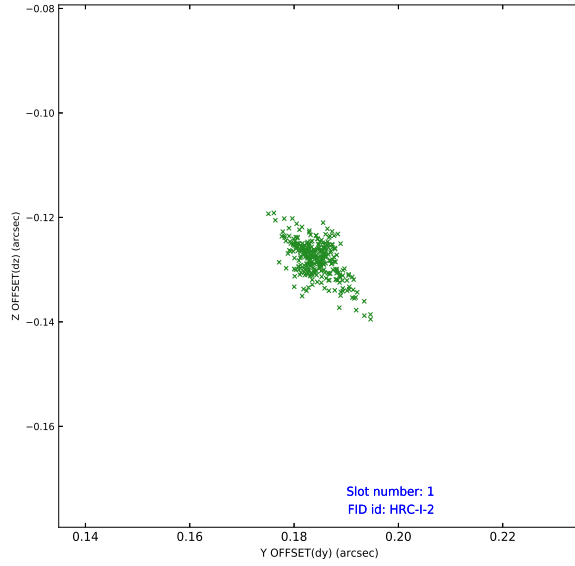


2.5 FID Slots

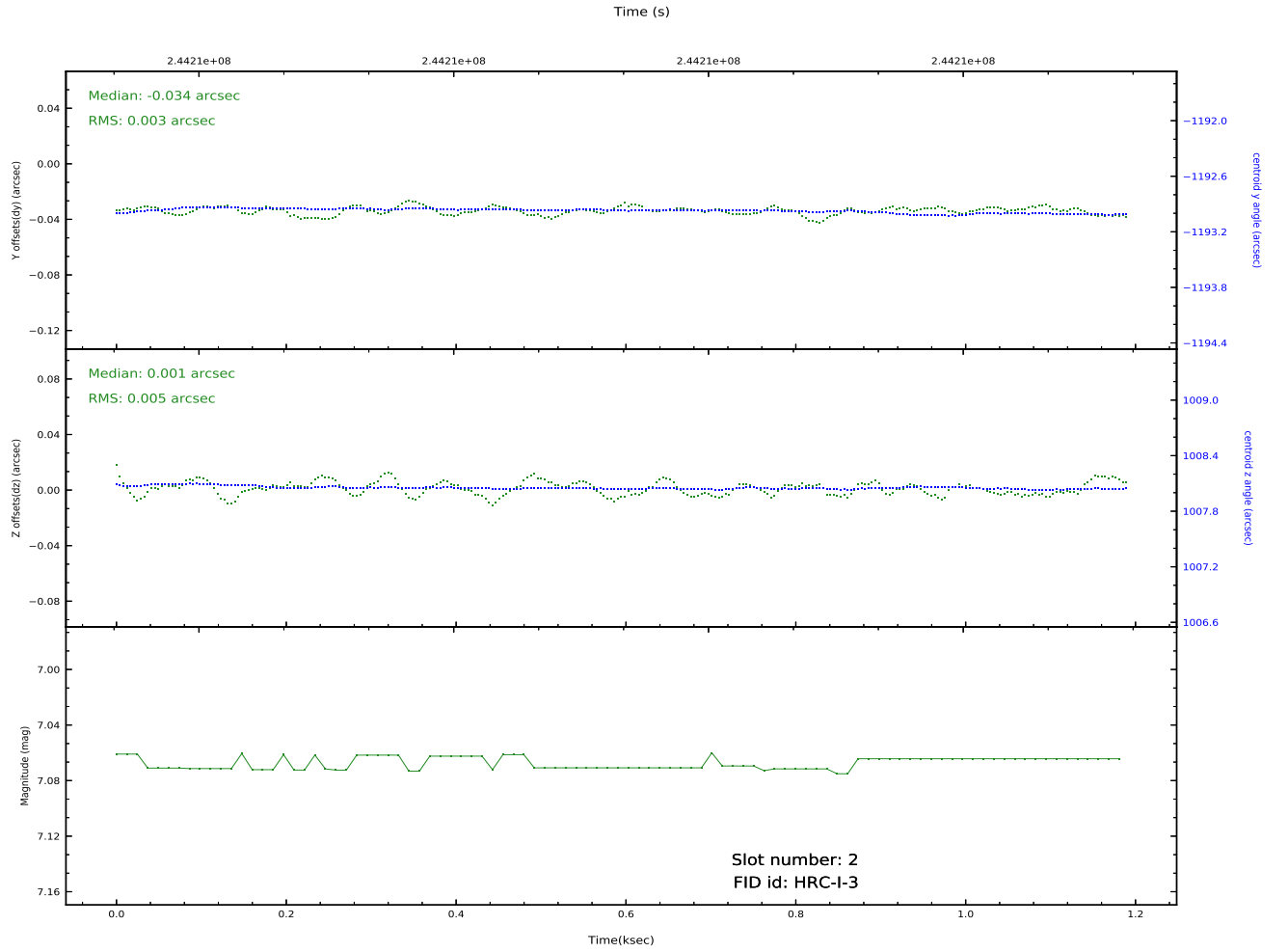
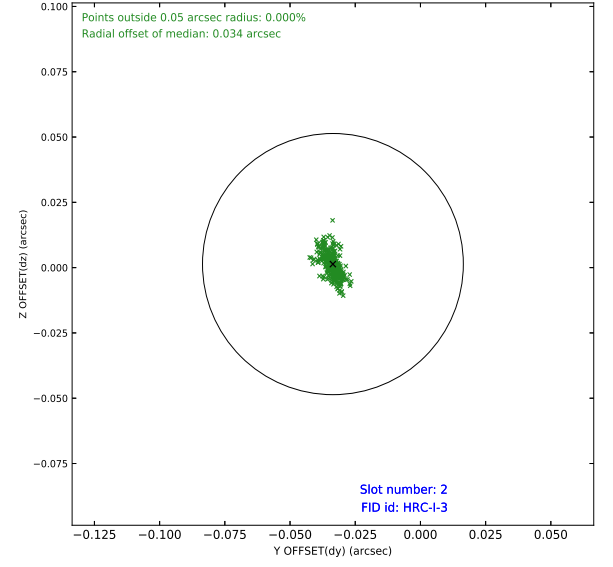
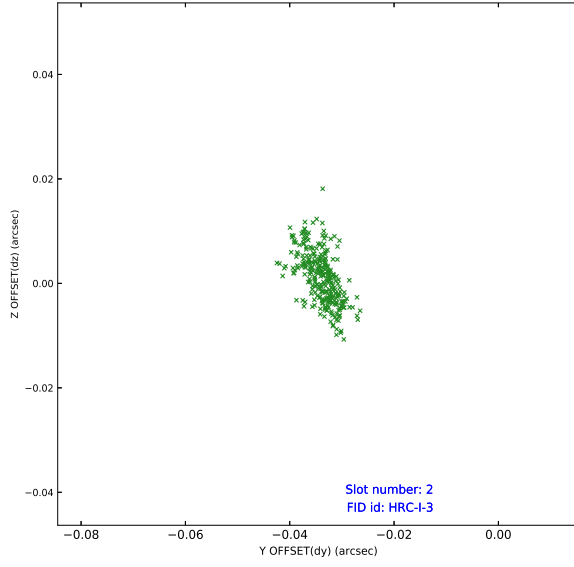
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.188231

A.2 Comments