

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20669 - L2 Version 2
Chandra X-Ray Center

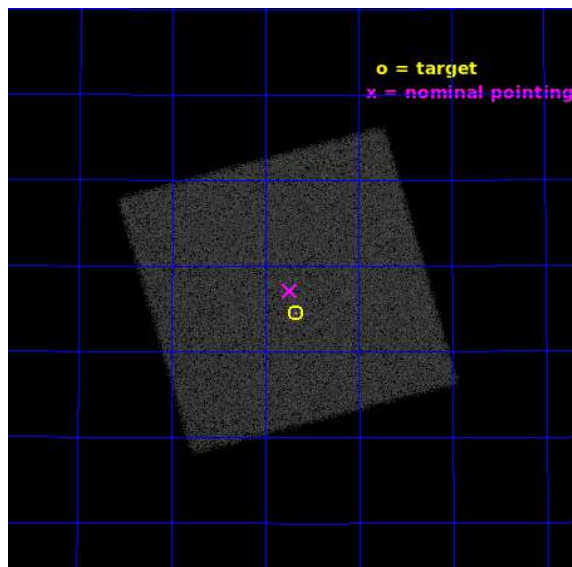
L2 Processing Date : Oct 27 2020

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

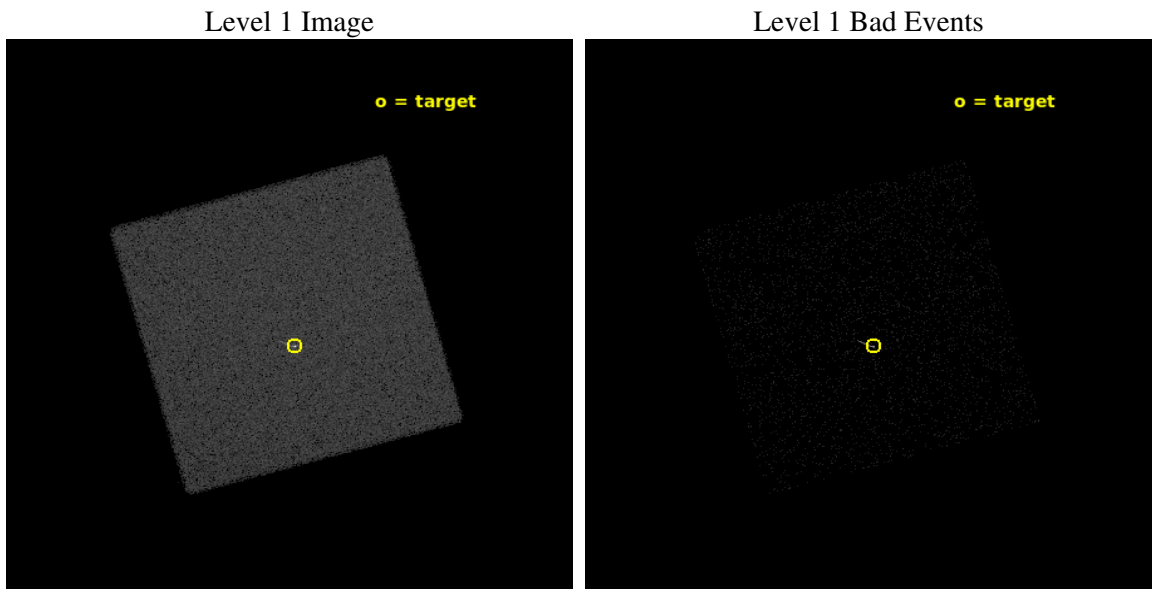
seq_num	291380	Sequence number
obs_id	20669	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.18413893198	Nominal RA [deg]
dec_nom	45.785588984132	Nominal Dec [deg]
roll_nom	209.39361914048	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1177.9813201427	[s]
livetime	1161.4959228131	Ontime multiplied by DTCOR
l2events	144084	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	242087	Number of level 1 events
date	2020-10-27T19:13:53	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

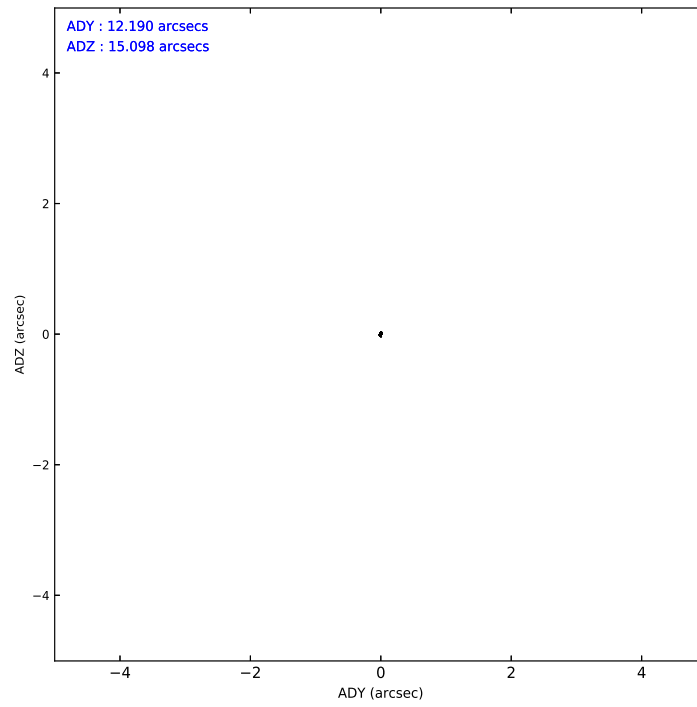
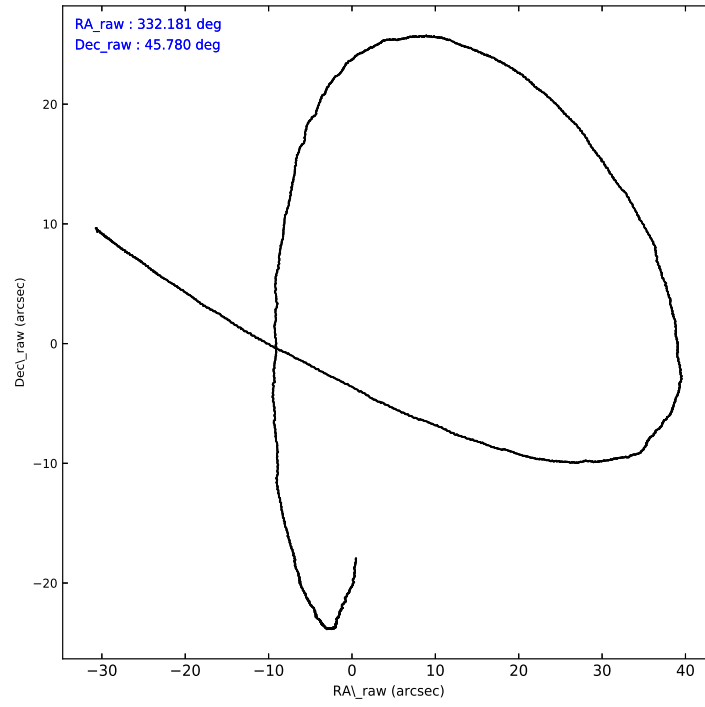
	segment 0
level 1 events	242087
rejected events	53315
rejected %	22%

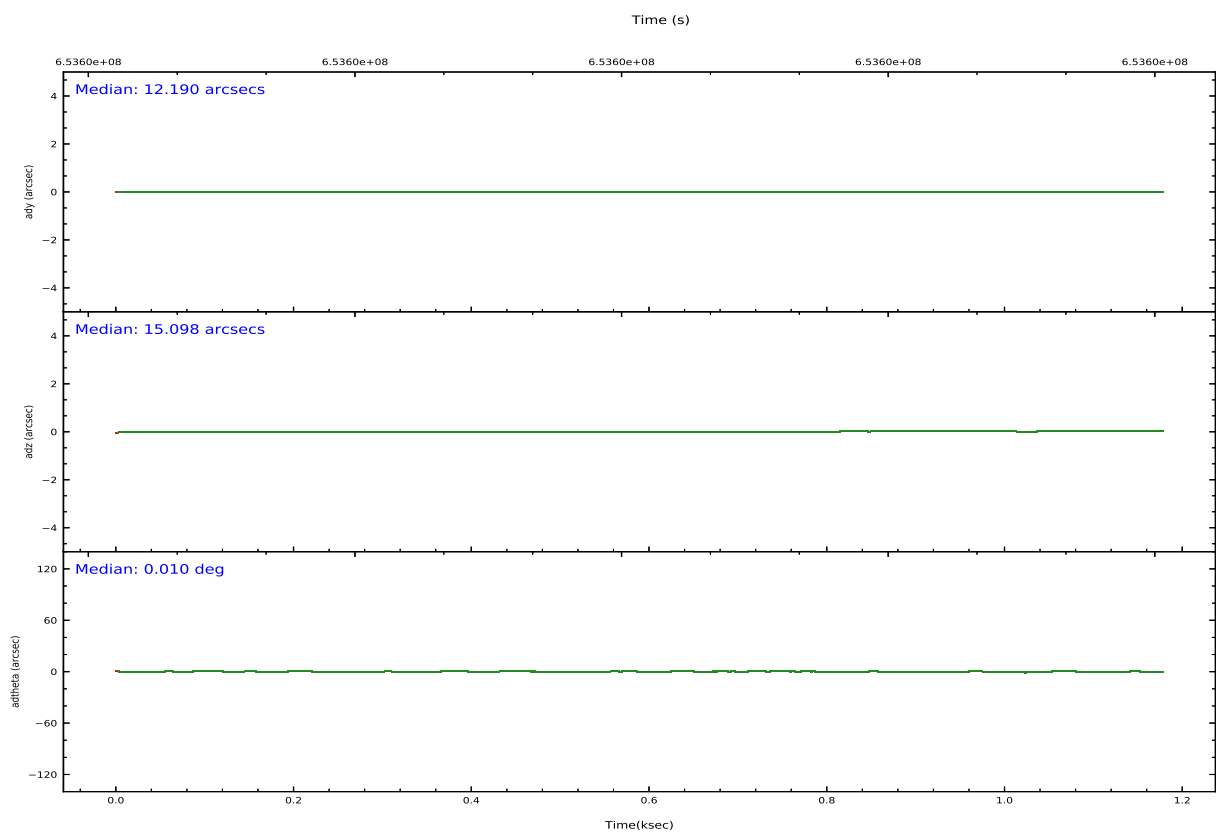
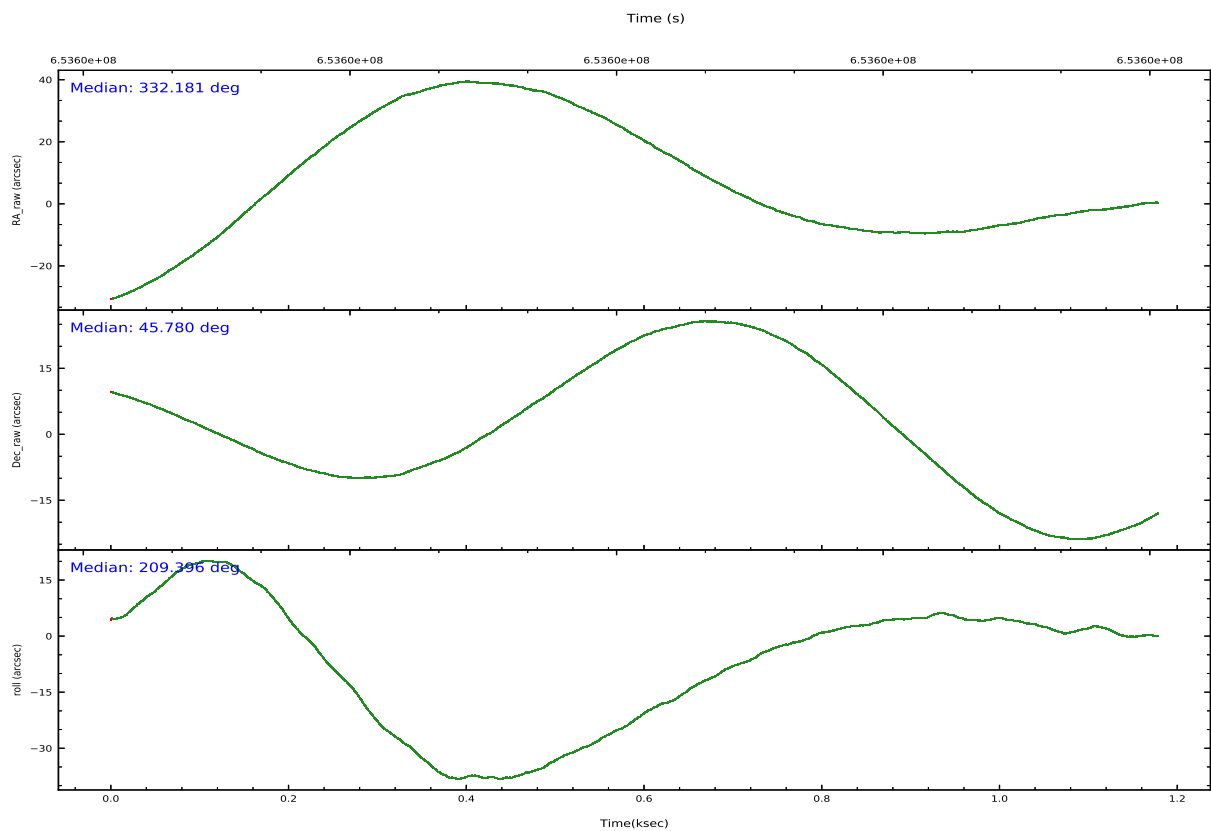
2.2 Compared Parameters

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	332.201979	332.18413893198
[deg] Pointing Dec	45.804588	45.785588984132
[deg] Pointing Roll	209.487794	209.39361914048
[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)	653600710.184000	653600334.47875
Observation start date	2018-09-17T19:44:01	2018-09-17T19:38:54
[s] Observation end time (MET)	653601710.184000	653601844.30384
Observation end date	2018-09-17T20:00:41	2018-09-17T20:04:04

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

2.3 Aspect



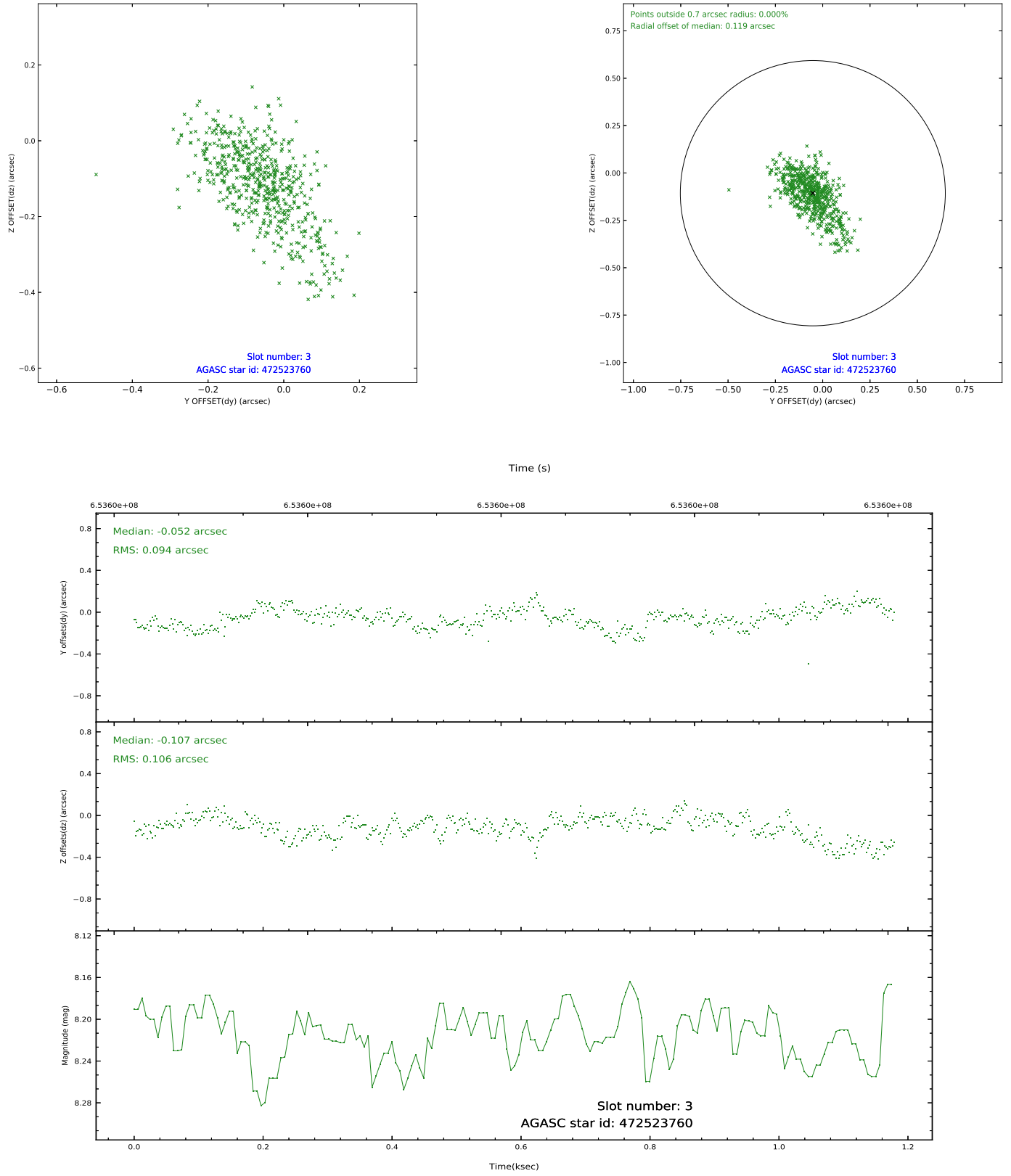


Slot Statistics

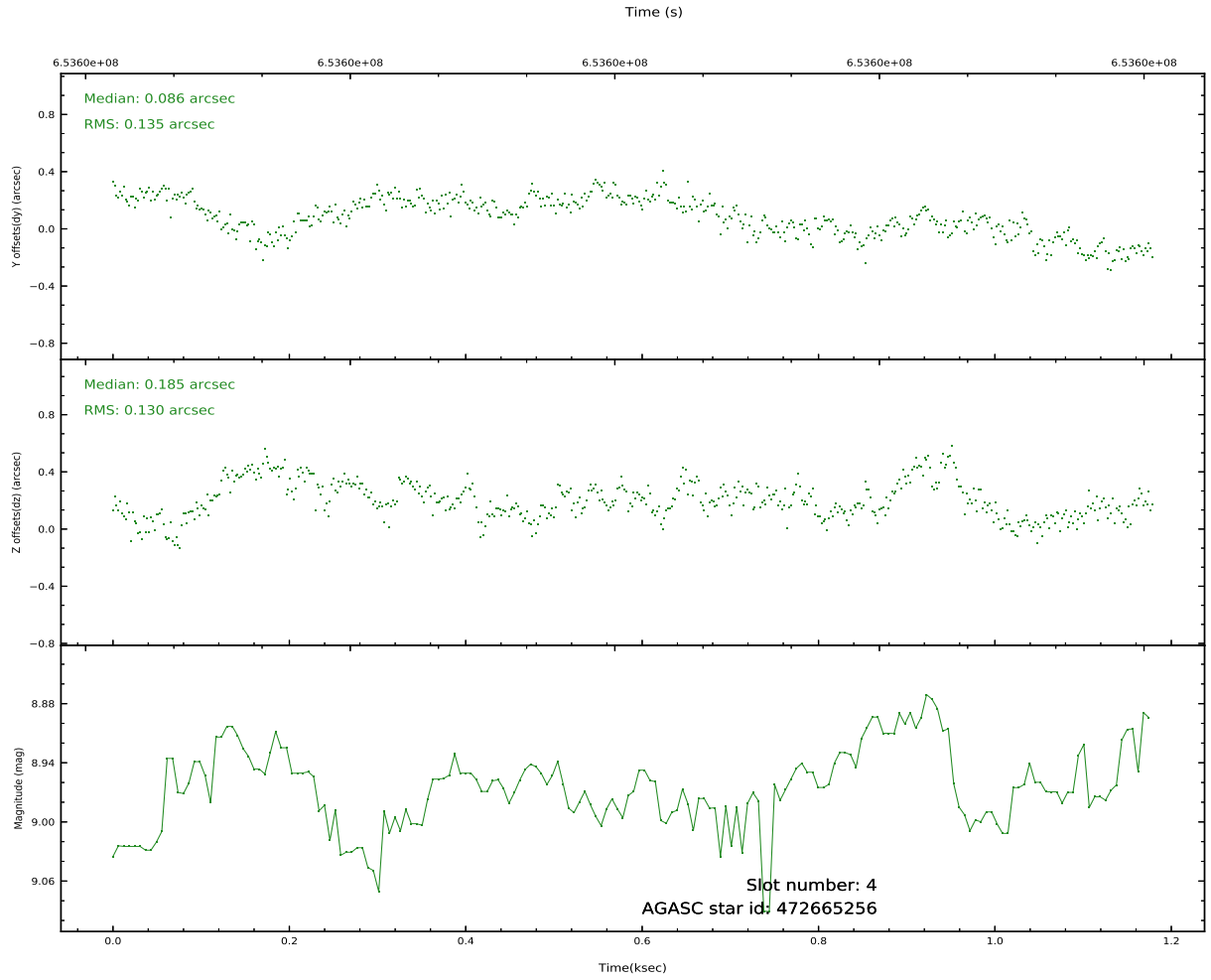
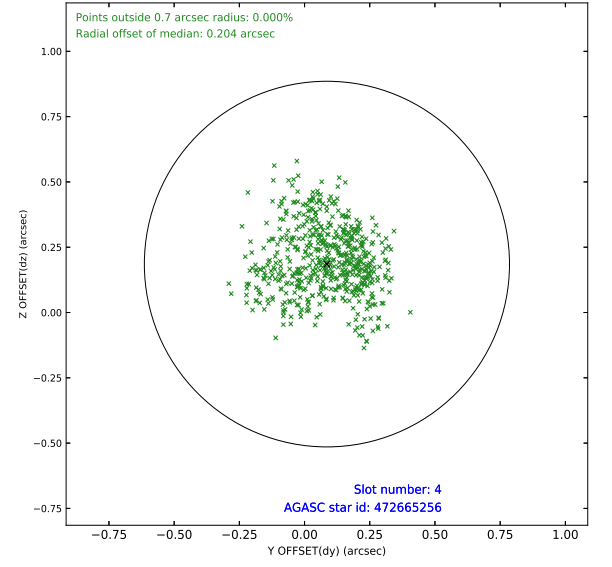
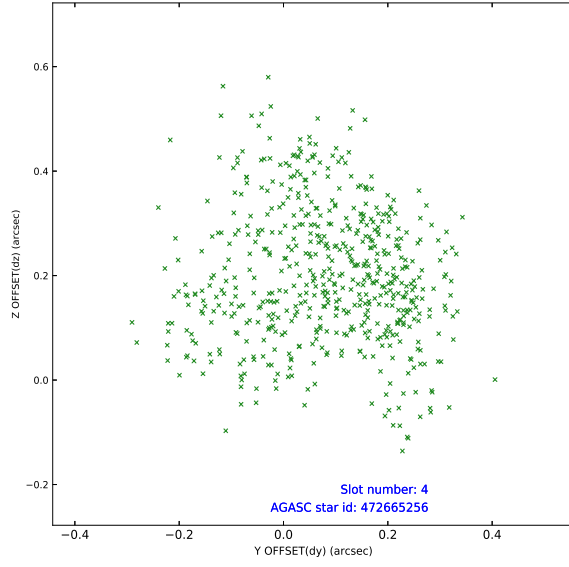
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	288	1.000	-0.086	0.020	0.007	0.012	0.000000	0.000000	-768.03	-1303
1	FID		HRC-I-2	7.03	288	1.000	0.299	-0.191	0.006	0.009	0.000000	0.000000	842.32	-1309
2	FID		HRC-I-3	7.08	288	1.000	-0.093	0.082	0.006	0.011	0.000000	0.000000	-1193.54	996
3	GUIDE	used	472523760	8.22	576	1.000	-0.052	-0.107	0.142	0.274	331.645363	45.403260	1932.50	558
4	GUIDE	used	472665256	8.97	576	1.000	0.086	0.185	0.203	0.311	332.808125	46.195041	-2007.16	-485
5	GUIDE	used	472533912	9.12	576	1.000	0.216	0.089	0.213	0.361	331.791136	46.368695	-116.81	-2275
6	GUIDE	used	472655152	9.40	575	1.000	-0.051	-0.108	0.258	0.440	332.504239	45.862991	-765.15	182
7	GUIDE	used	472525528	6.63	575	1.000	-0.187	-0.066	0.133	0.217	331.551102	45.248694	2414.79	922

2.4 Star Slots

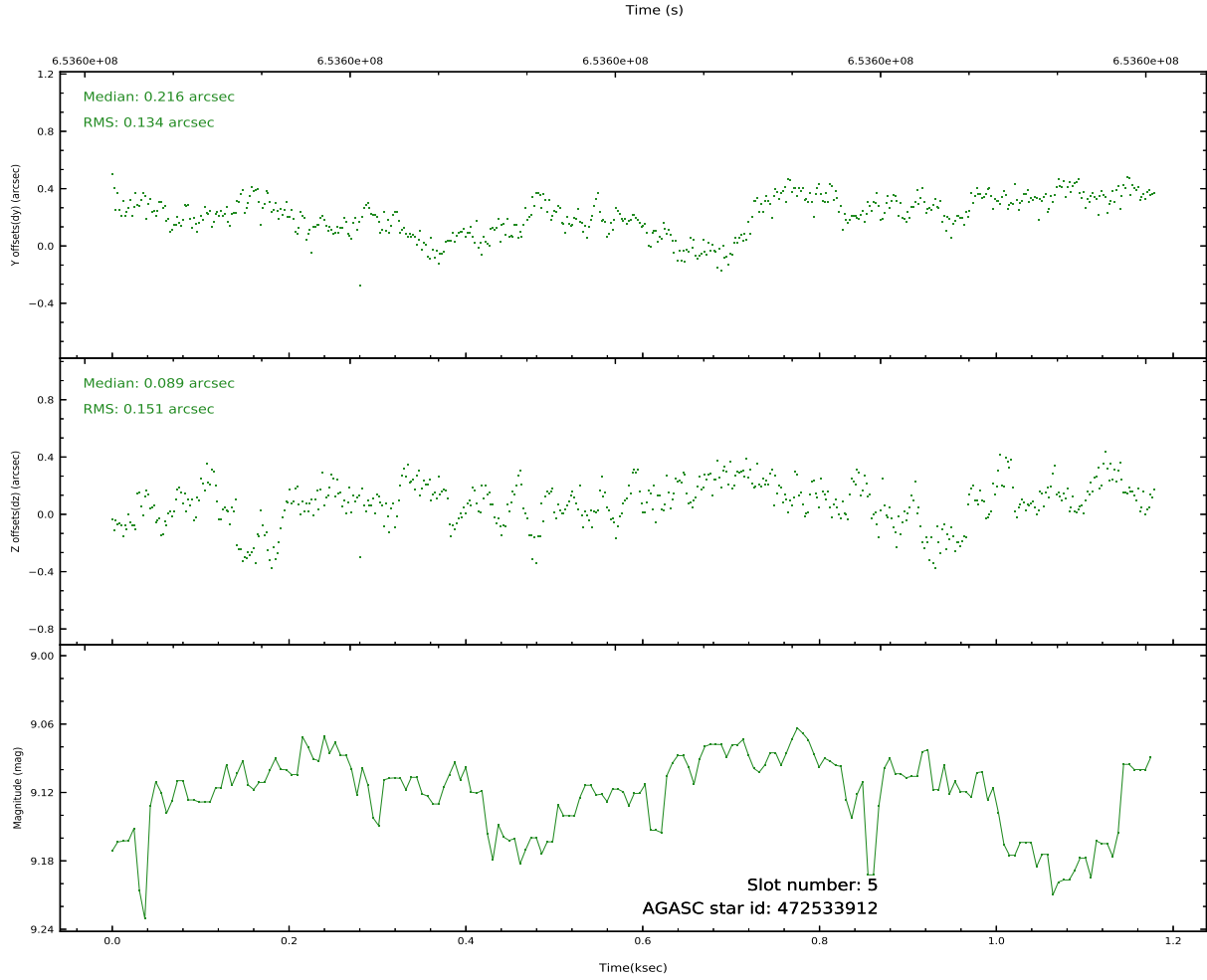
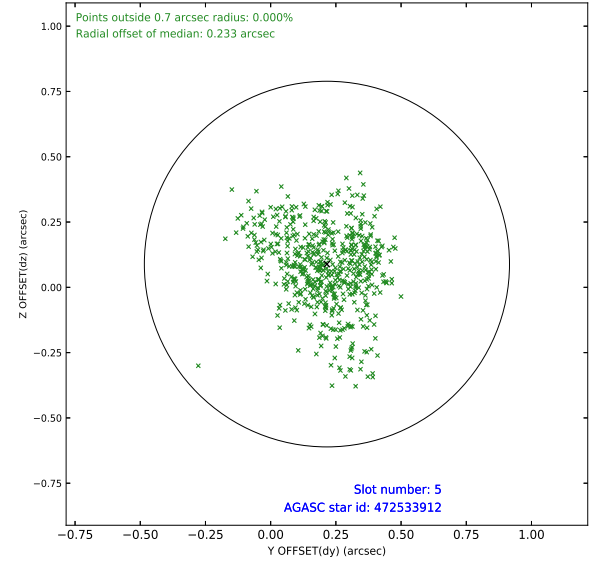
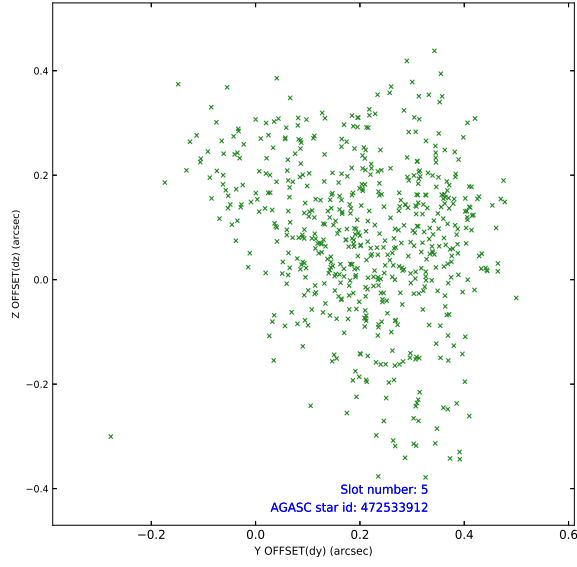
2.4.1 Slot 3



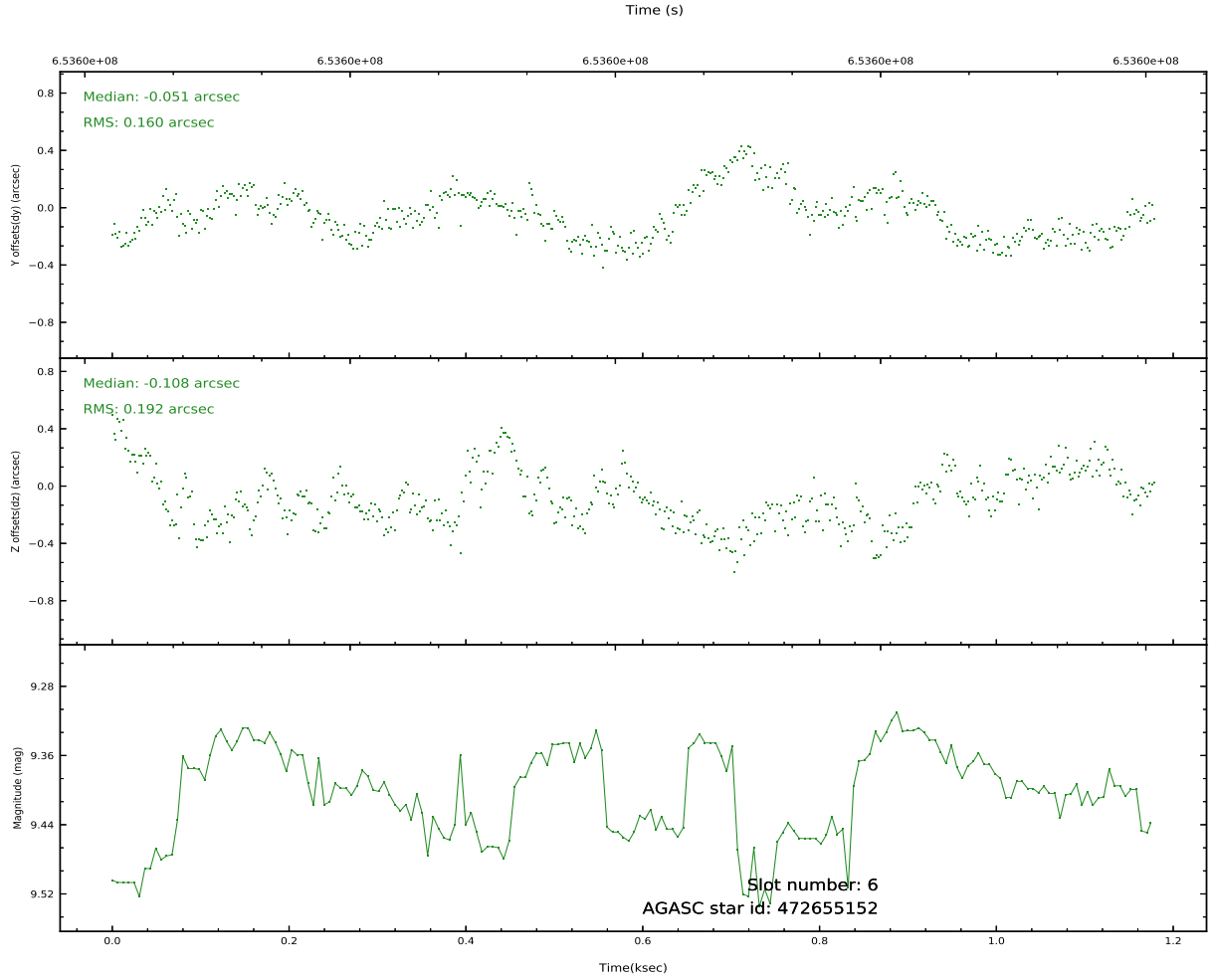
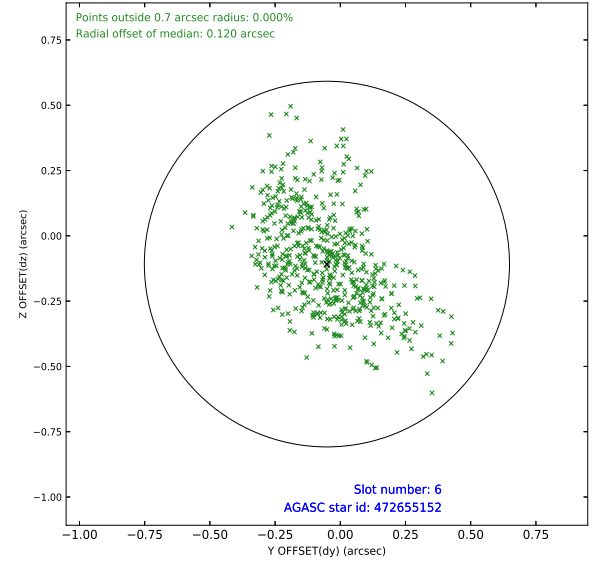
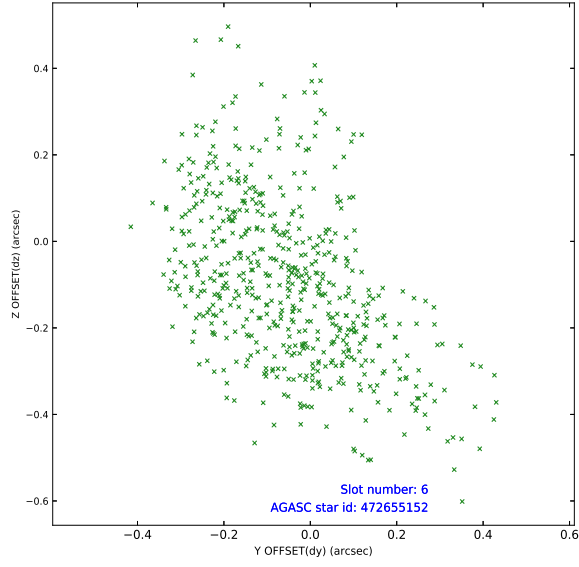
2.4.2 Slot 4



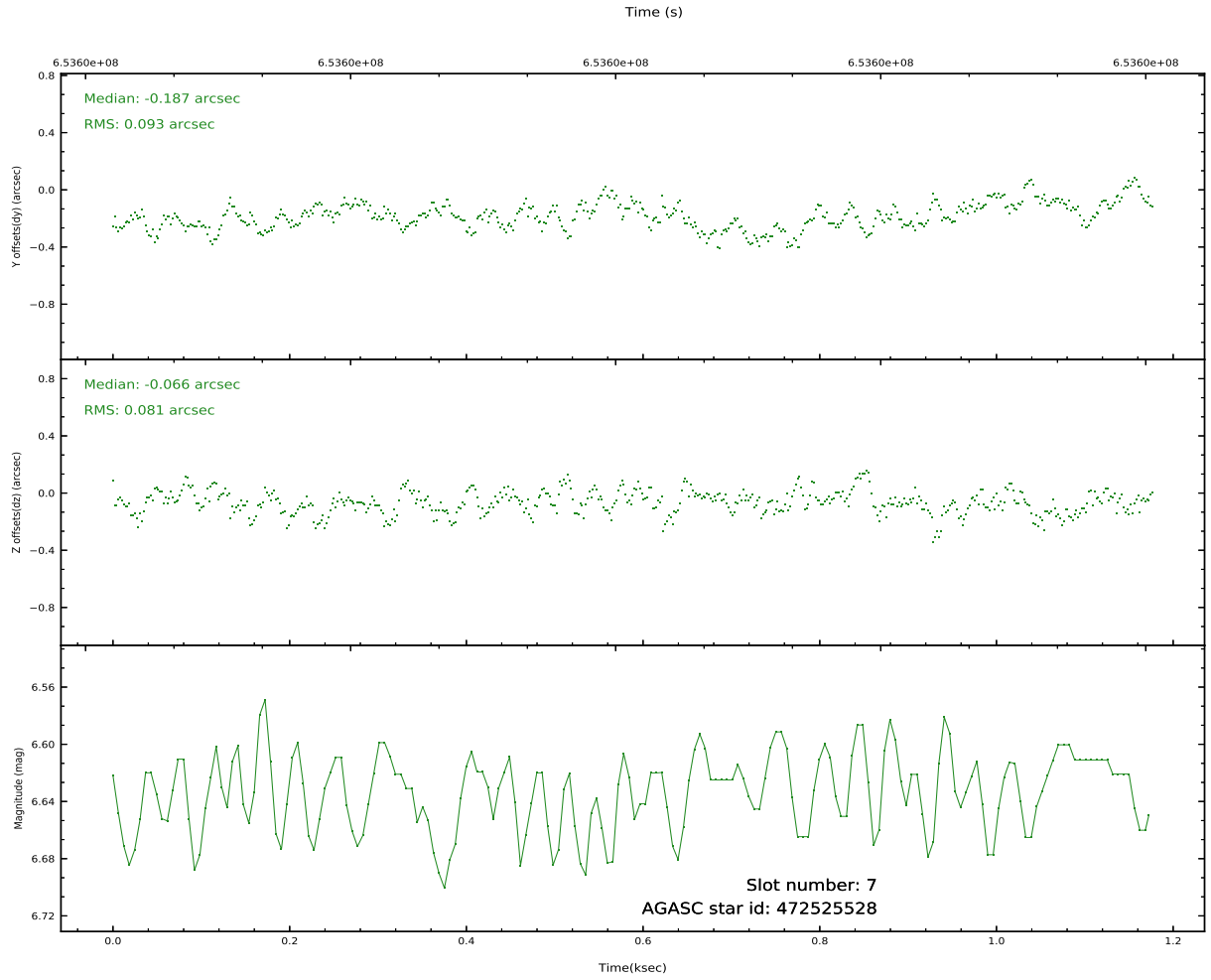
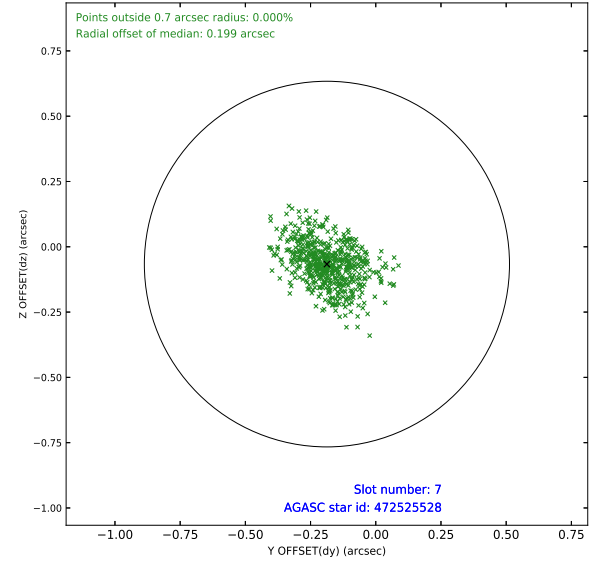
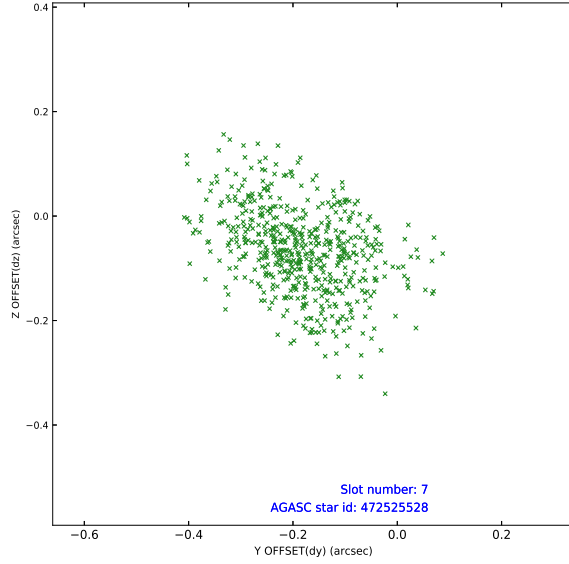
2.4.3 Slot 5



2.4.4 Slot 6

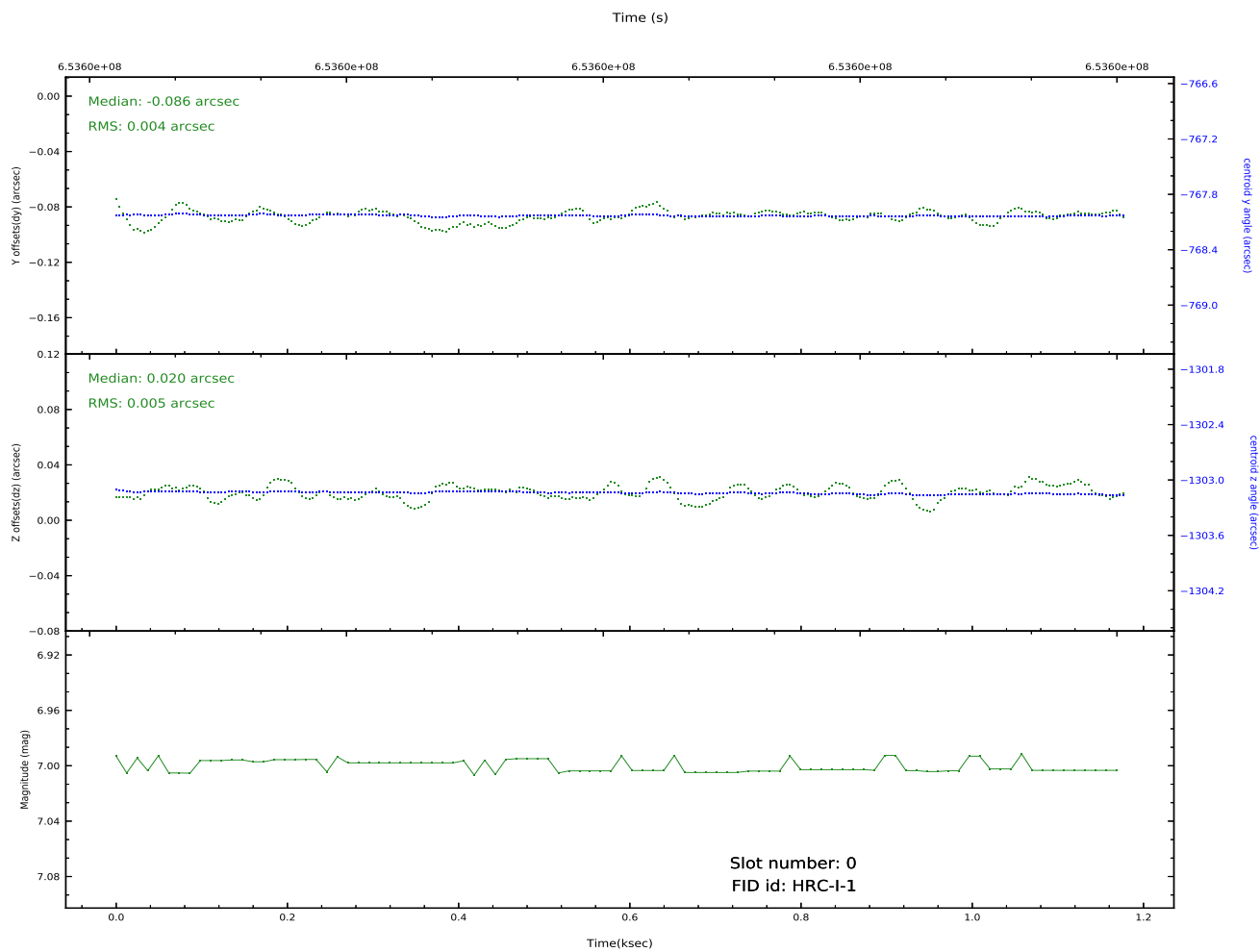
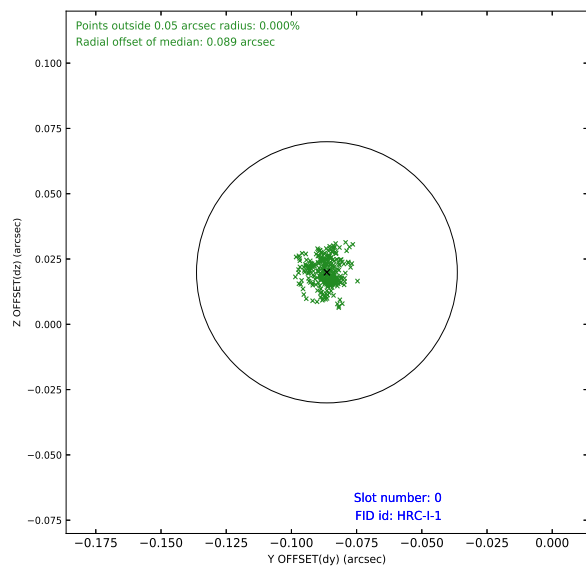
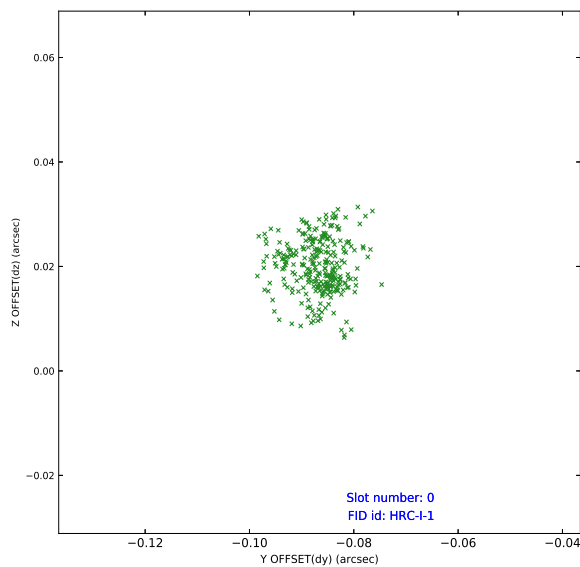


2.4.5 Slot 7

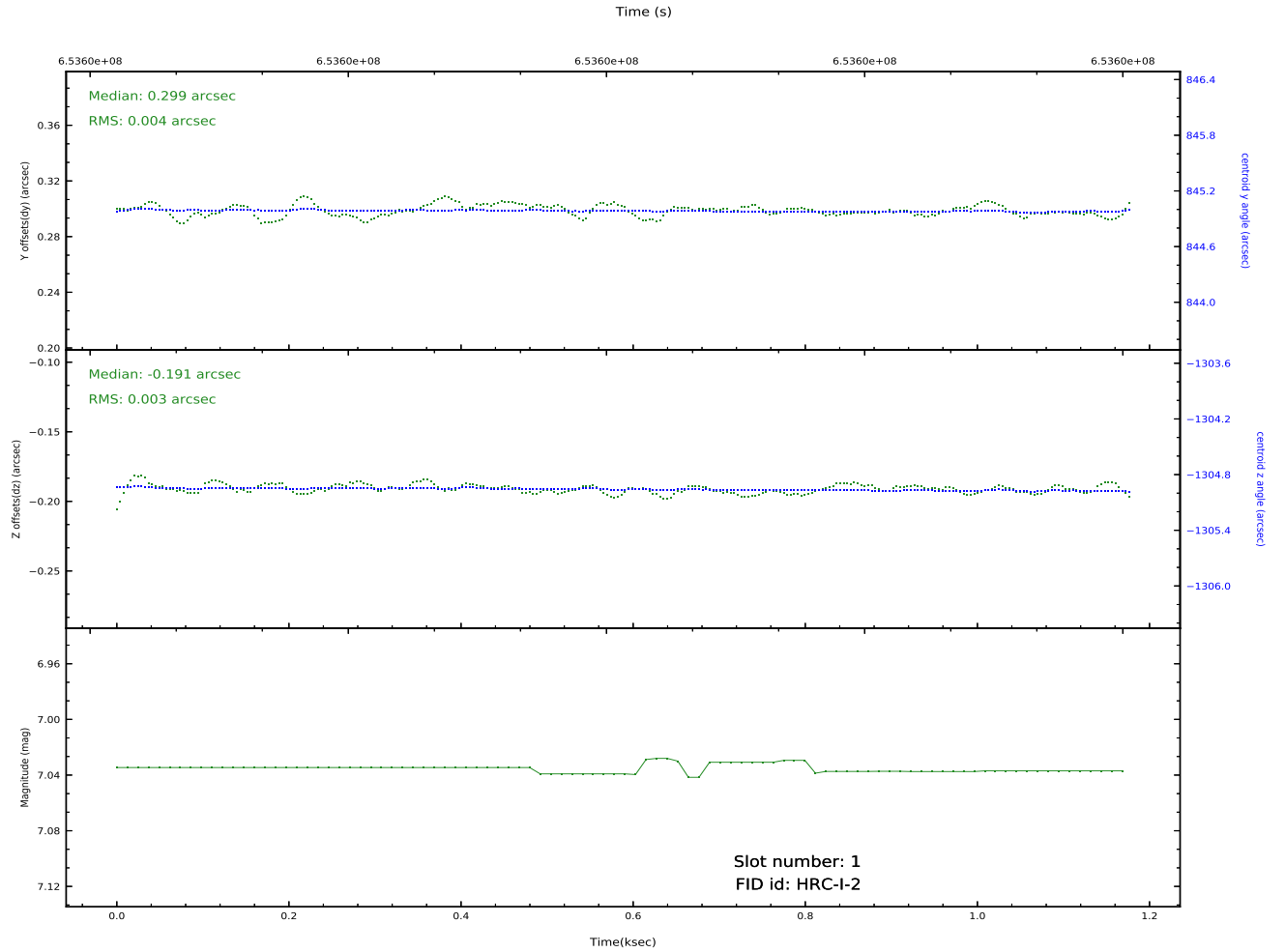
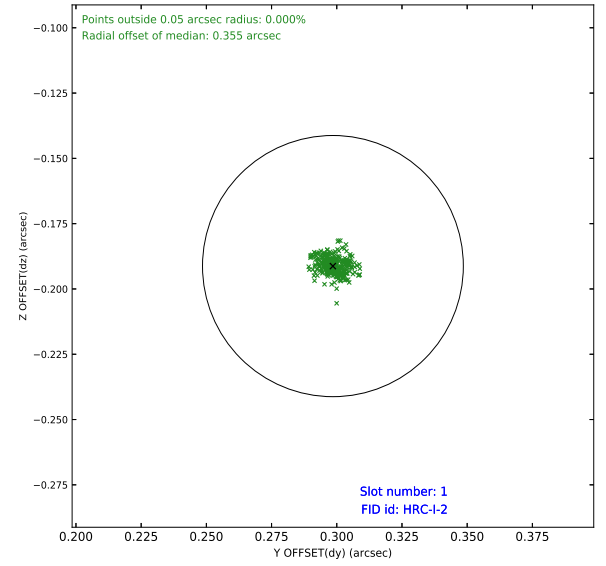
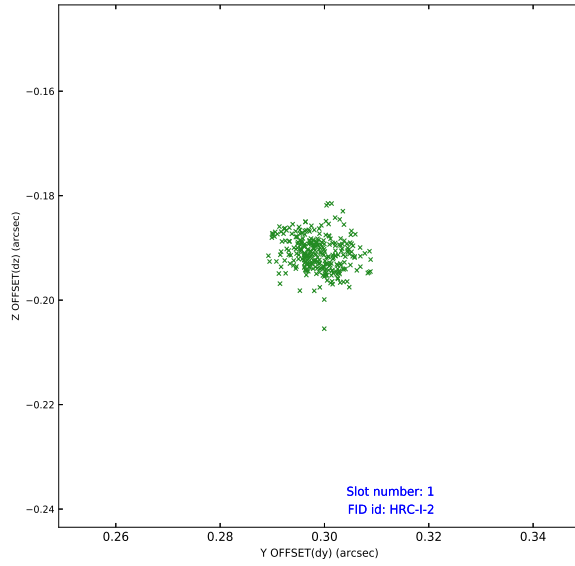


2.5 FID Slots

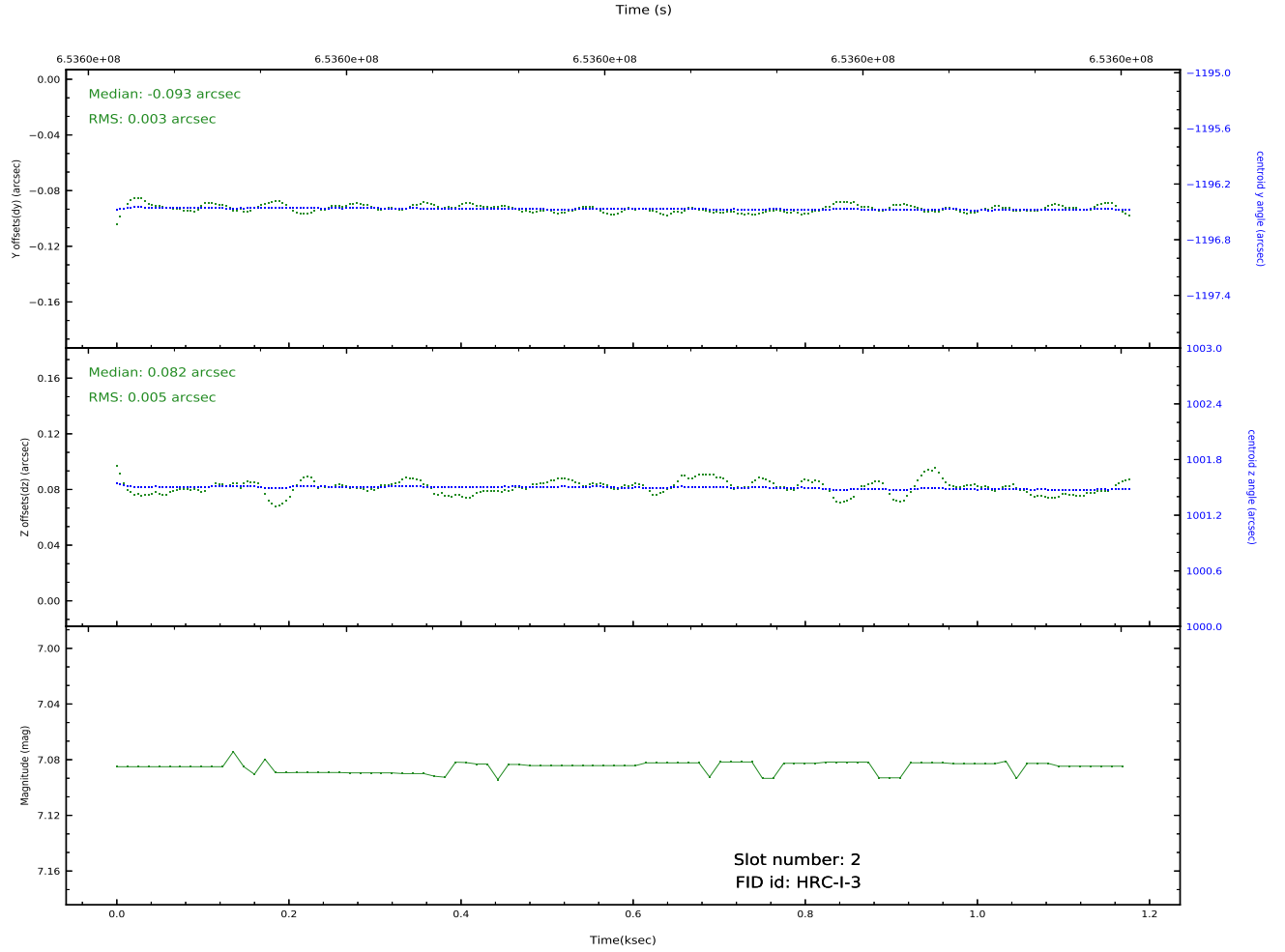
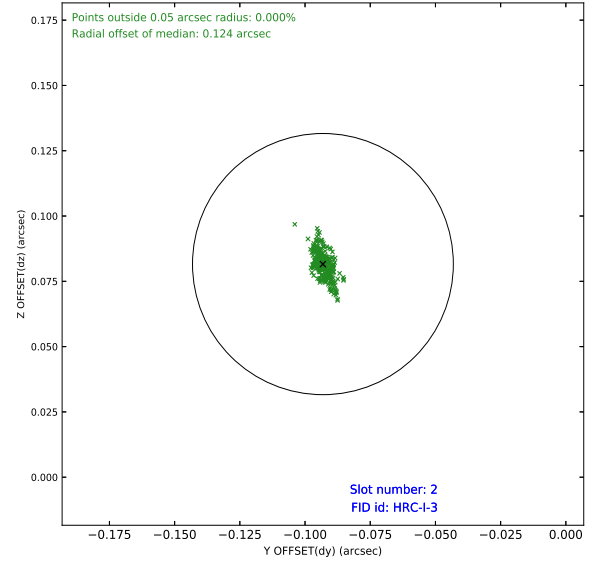
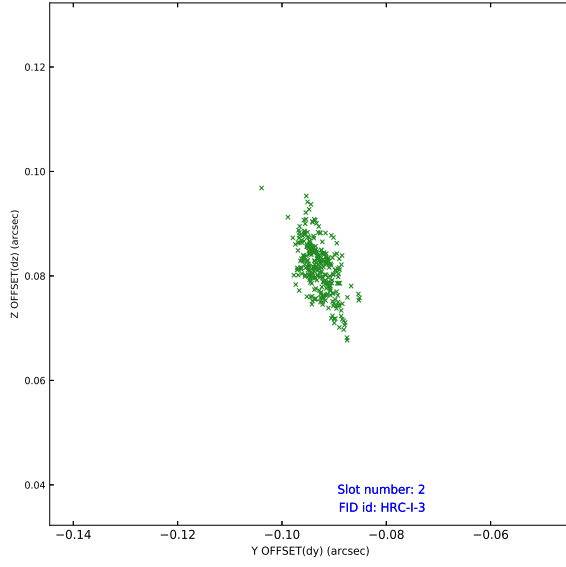
2.5.1 Slot 0



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	1.1779813201427

A.2 Comments