

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5980 - L2 Version 5
Chandra X-Ray Center

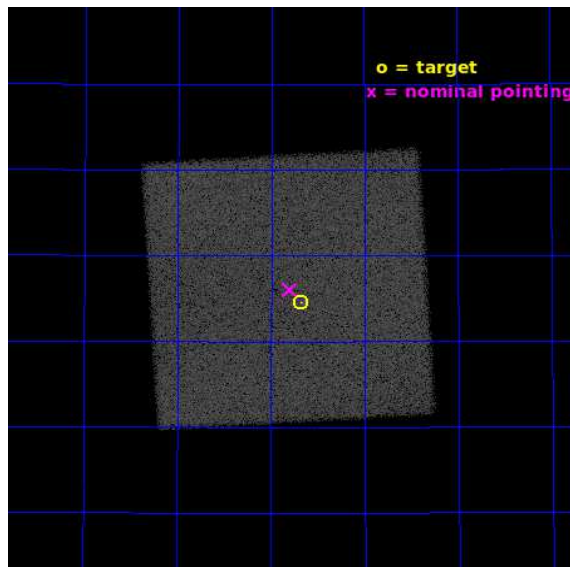
L2 Processing Date : Oct 10 2020

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

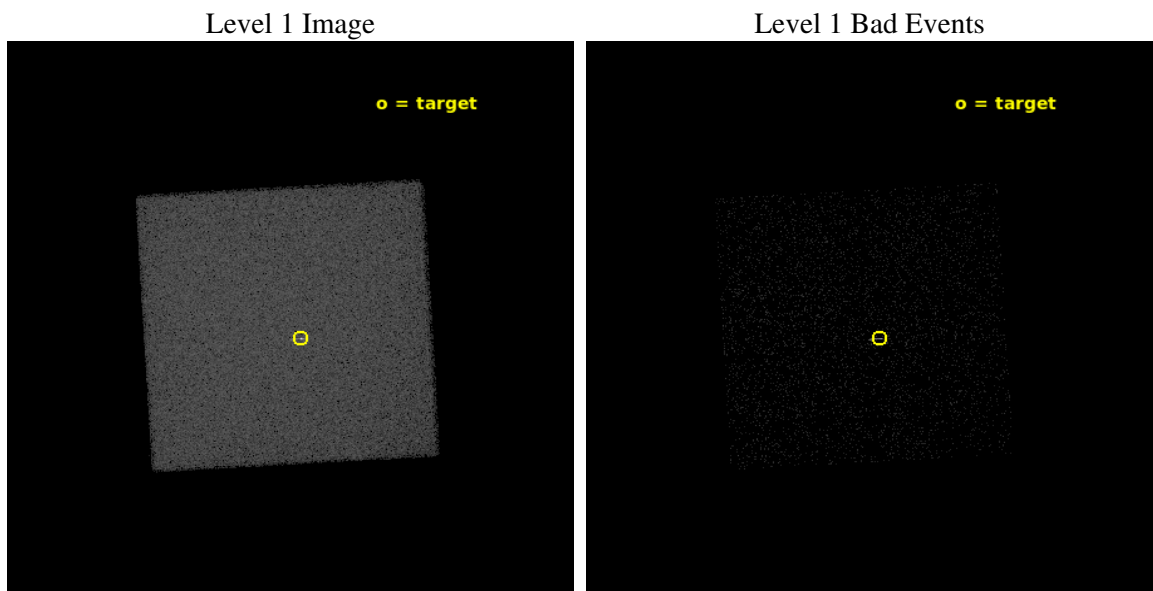
seq_num	290472	Sequence number
obs_id	5980	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19967036469	Nominal RA [deg]
dec_nom	45.767483061314	Nominal Dec [deg]
roll_nom	221.63994491899	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1182.0813043714	[s]
livetime	592.15602549537	Ontime multiplied by DTCOR
l2events	169181	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	1182.0813043714	[s]
caldbver	4.9.2	 	l1events	276750	Number of level 1 events
date	2020-10-10T13:57:11	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

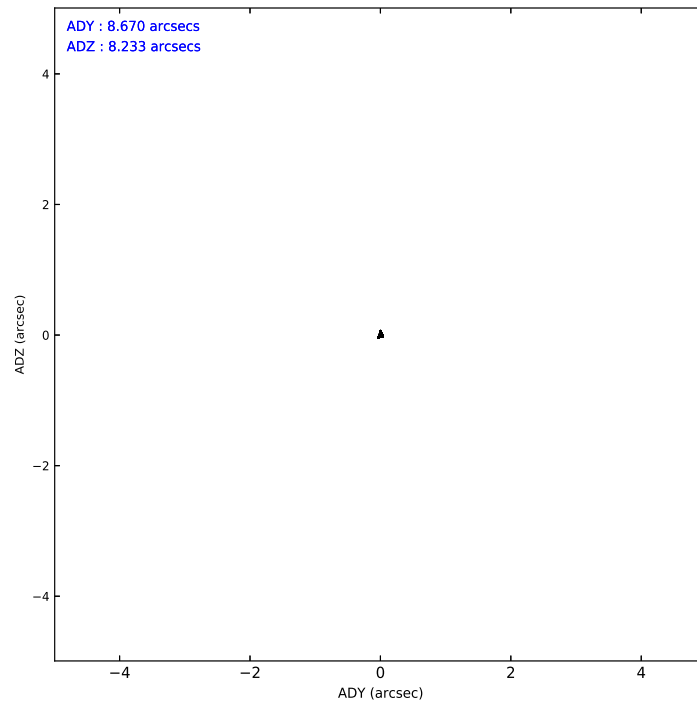
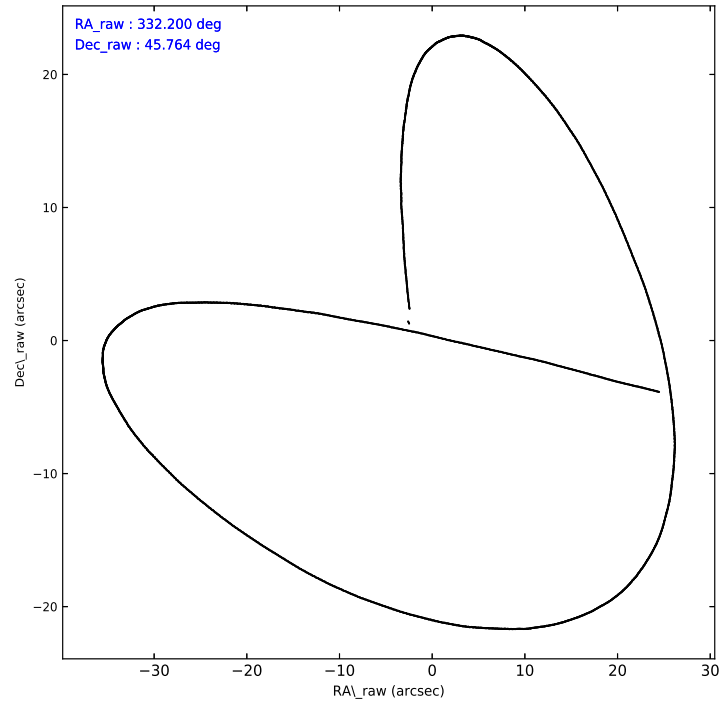
	segment 0
level 1 events	276750
rejected events	60528
rejected %	21%

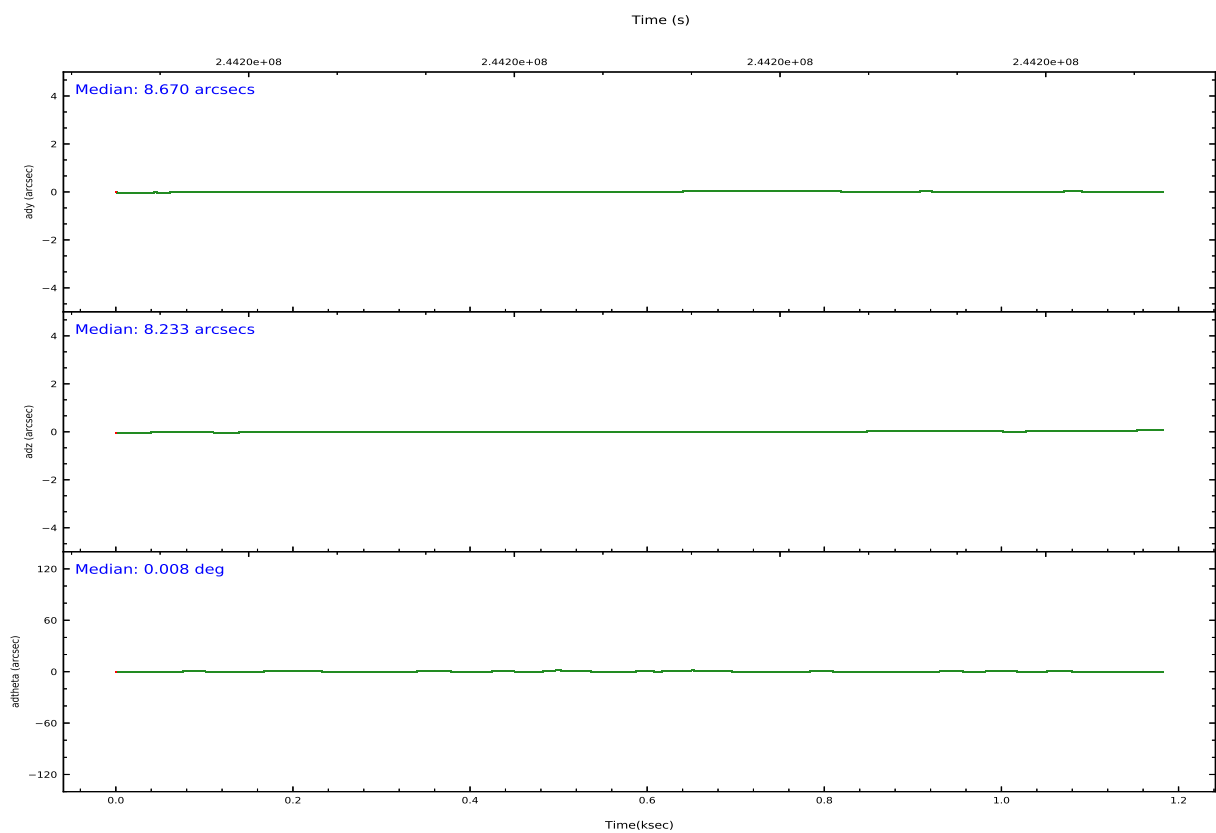
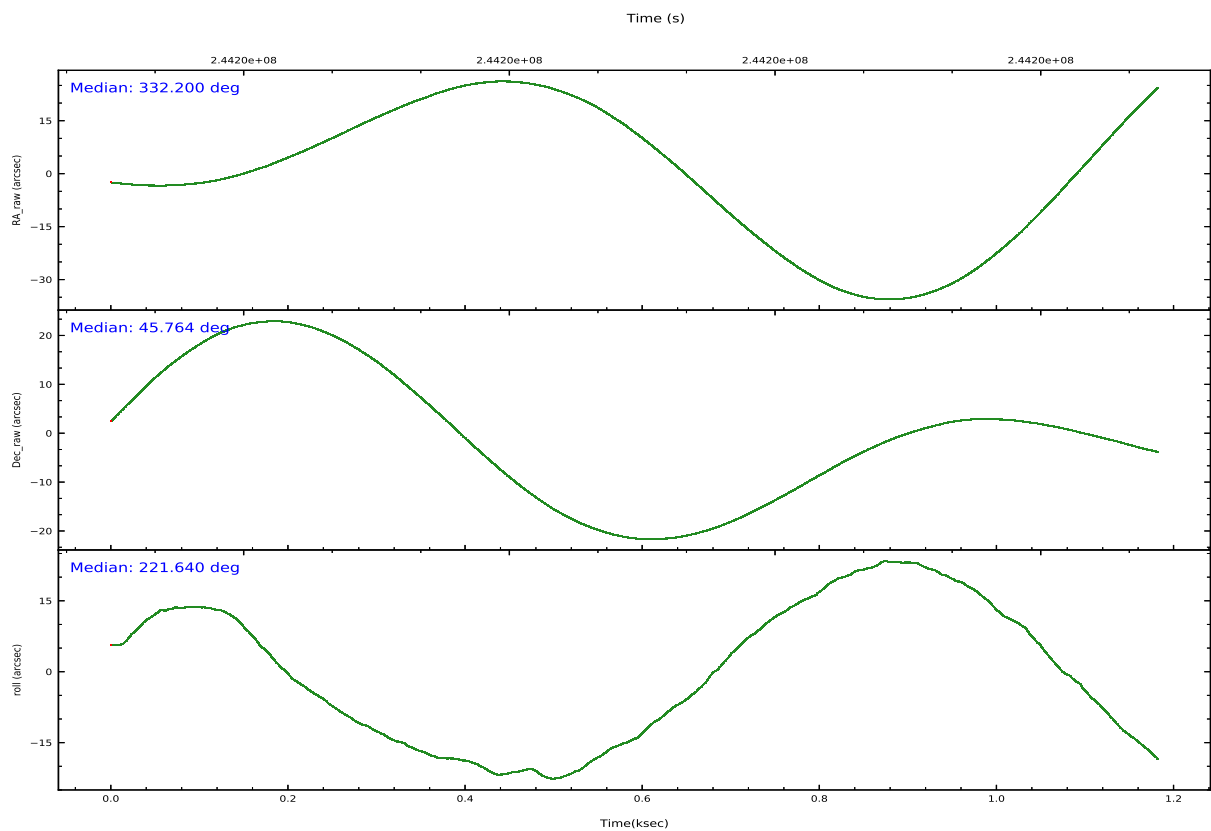
2.2 Compared Parameters

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	332.211374	332.19967036469
[deg] Pointing Dec	45.789062	45.767483061314
[deg] Pointing Roll	221.737200	221.63994491899
[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)	244200732.184000	244200356.12215
Observation start date	2005-09-27T09:31:08	2005-09-27T09:25:56
[s] Observation end time (MET)	244201732.184000	244201866.45972
Observation end date	2005-09-27T09:47:48	2005-09-27T09:51:06

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

2.3 Aspect



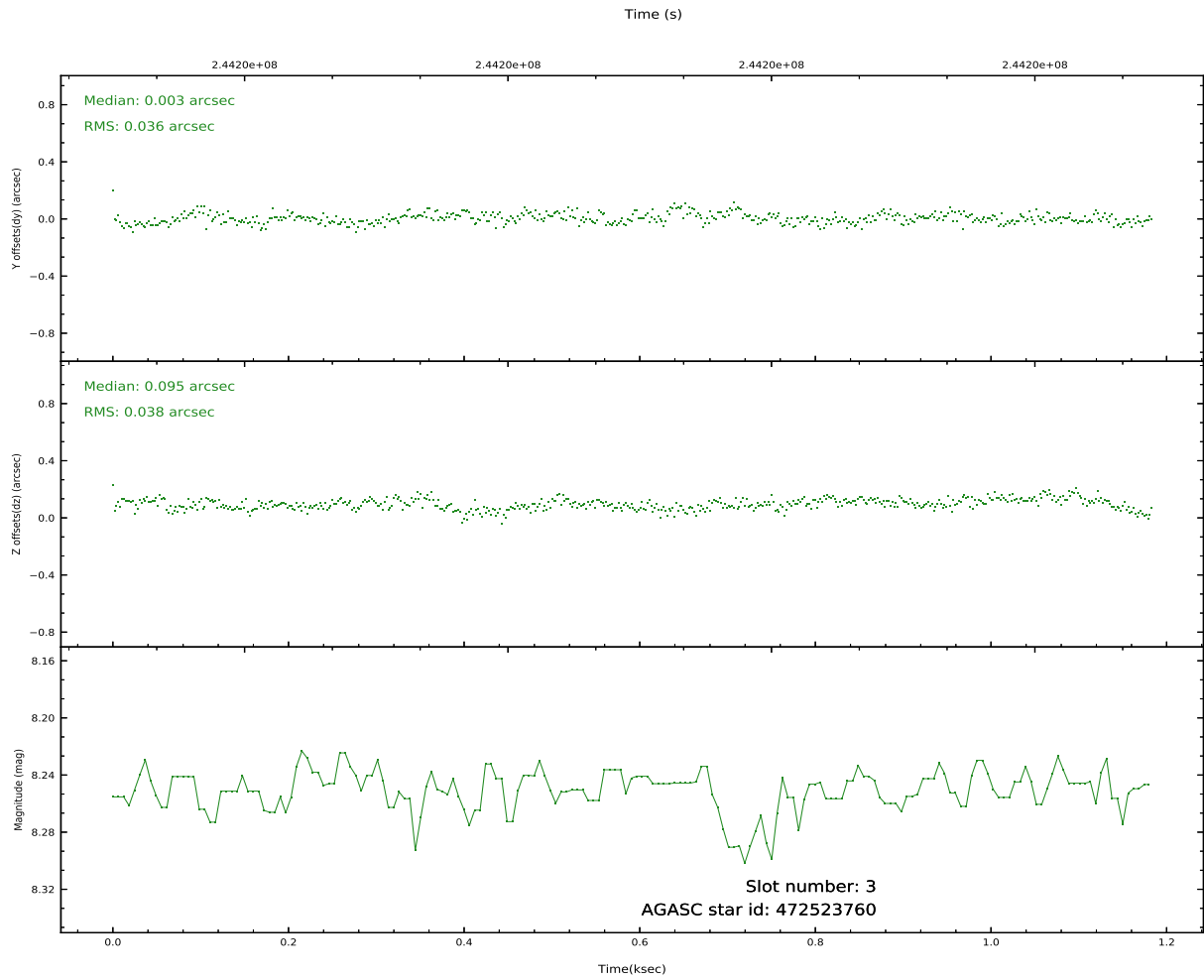
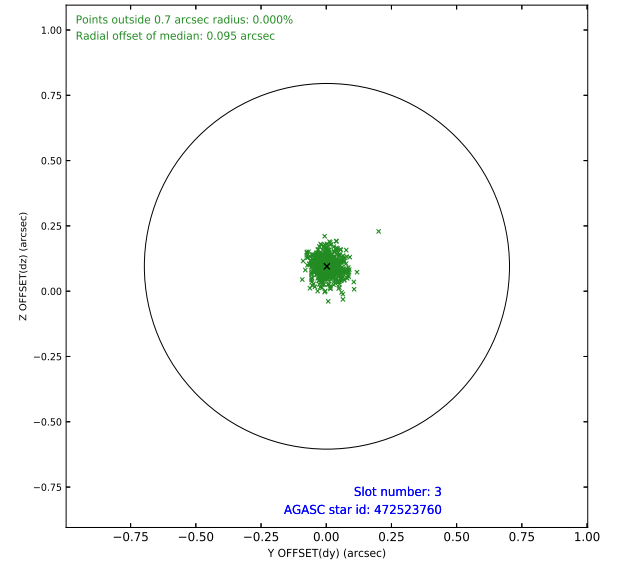
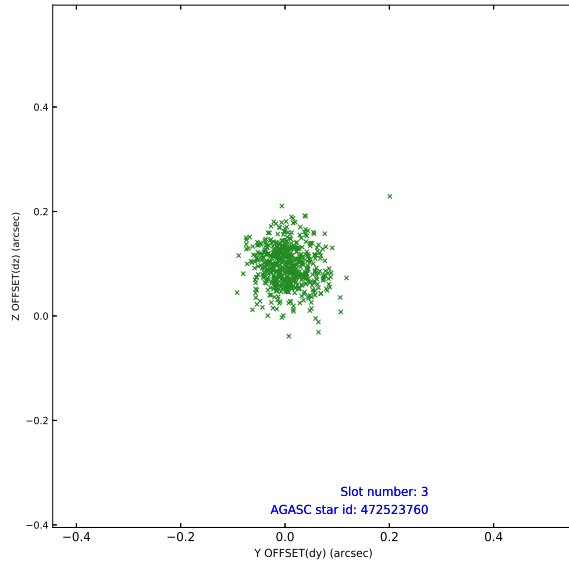


Slot Statistics

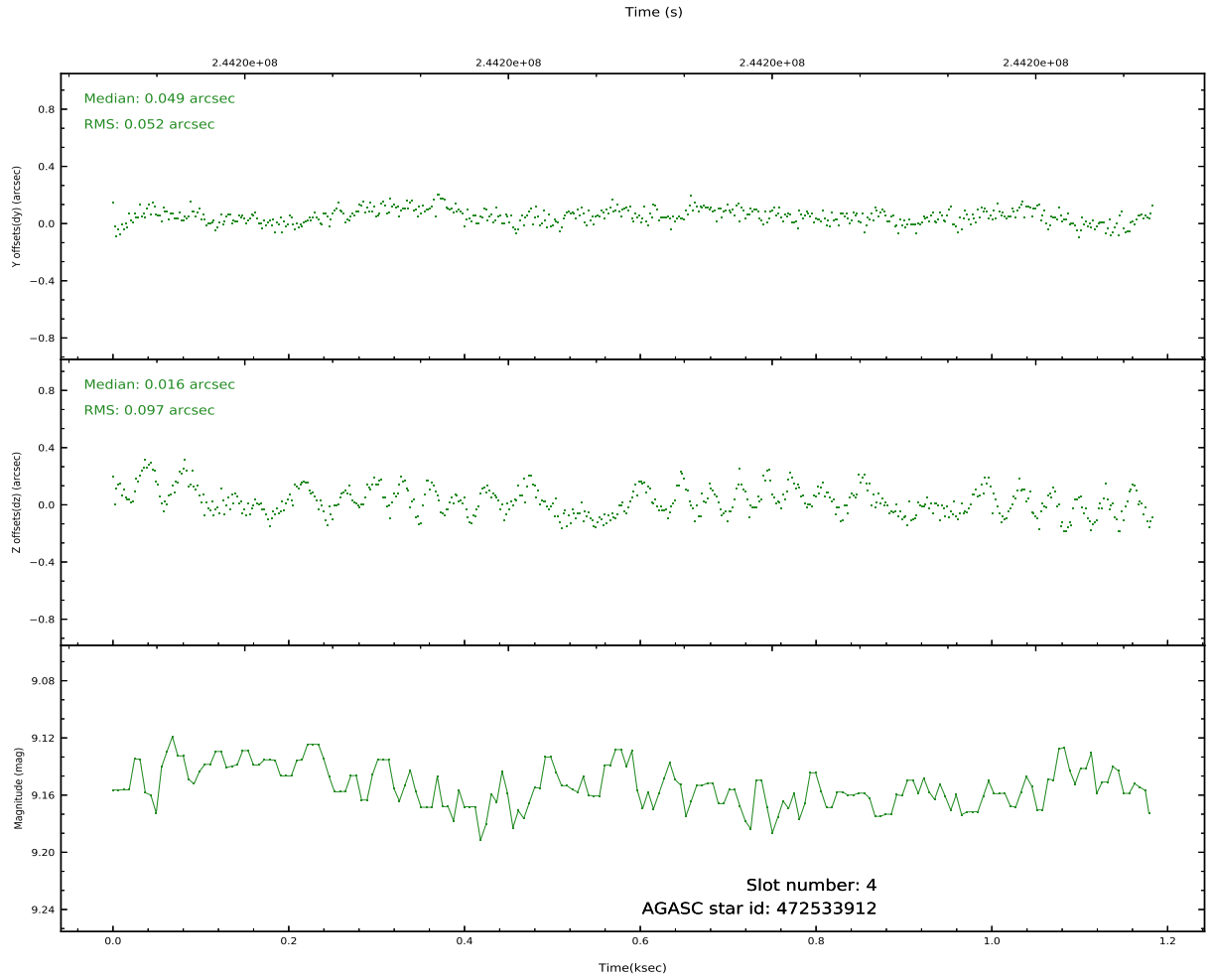
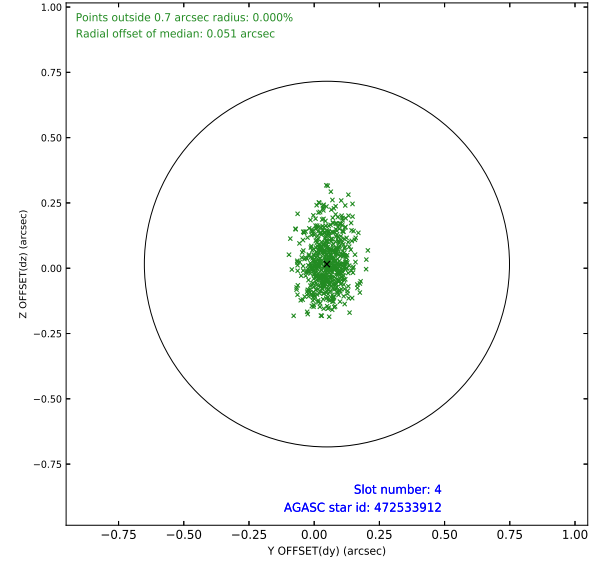
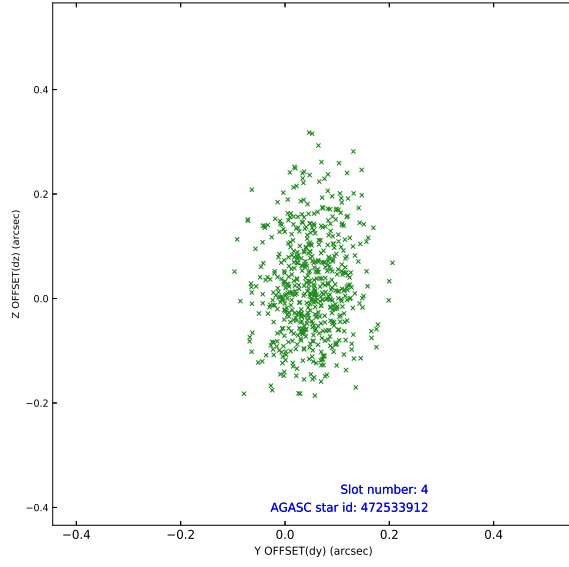
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	289	1.000	0.103	-0.115	0.006	0.010	0.000000	0.000000	848.43	-1297
1	FID		HRC-I-3	7.07	289	1.000	-0.111	0.044	0.006	0.010	0.000000	0.000000	-1189.97	1004
2	FID		HRC-I-4	7.01	289	1.000	0.127	-0.016	0.006	0.010	0.000000	0.000000	1274.50	1009
3	GUIDE	used	472523760	8.25	578	1.000	0.003	0.095	0.053	0.091	331.645363	45.403260	1989.79	84
4	GUIDE	used	472533912	9.16	578	1.000	0.049	0.016	0.117	0.199	331.791136	46.368695	-607.52	-2250
5	GUIDE	used	472651904	6.15	578	1.000	-0.097	-0.227	0.079	0.122	332.170077	45.742257	189.39	55
6	GUIDE	used	472655152	9.42	574	1.000	0.006	-0.019	0.126	0.204	332.504239	45.862991	-724.60	293
7	GUIDE	used	472665256	9.01	577	1.000	0.034	0.125	0.074	0.118	332.808125	46.195041	-2086.63	-100

2.4 Star Slots

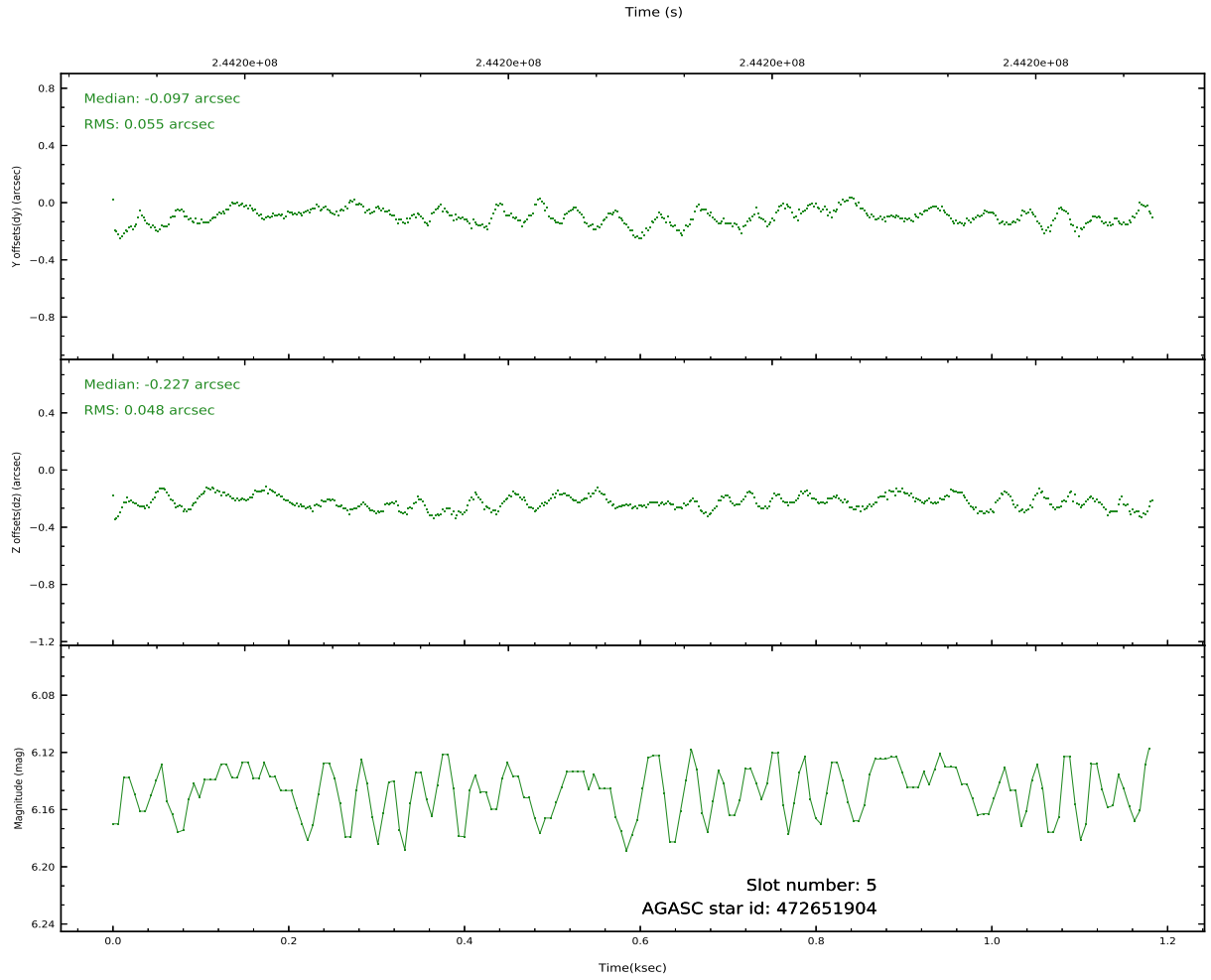
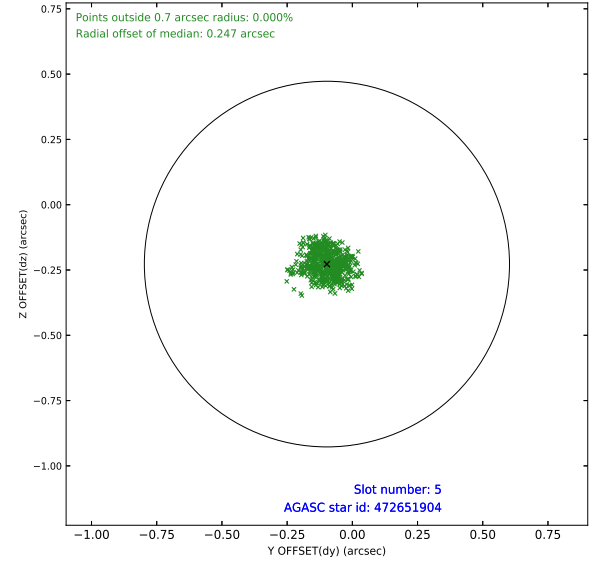
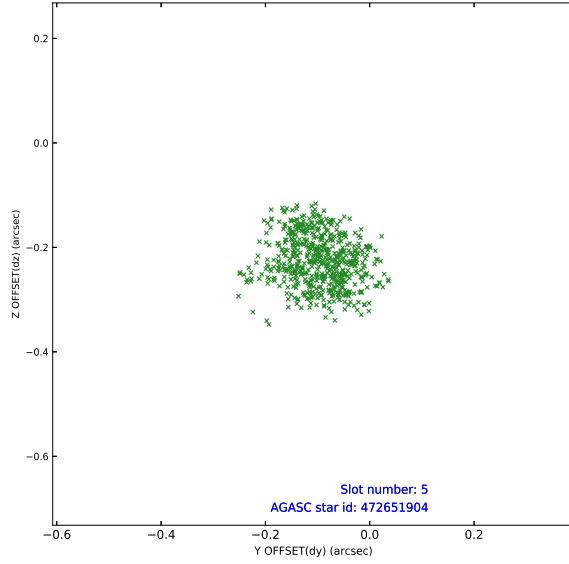
2.4.1 Slot 3



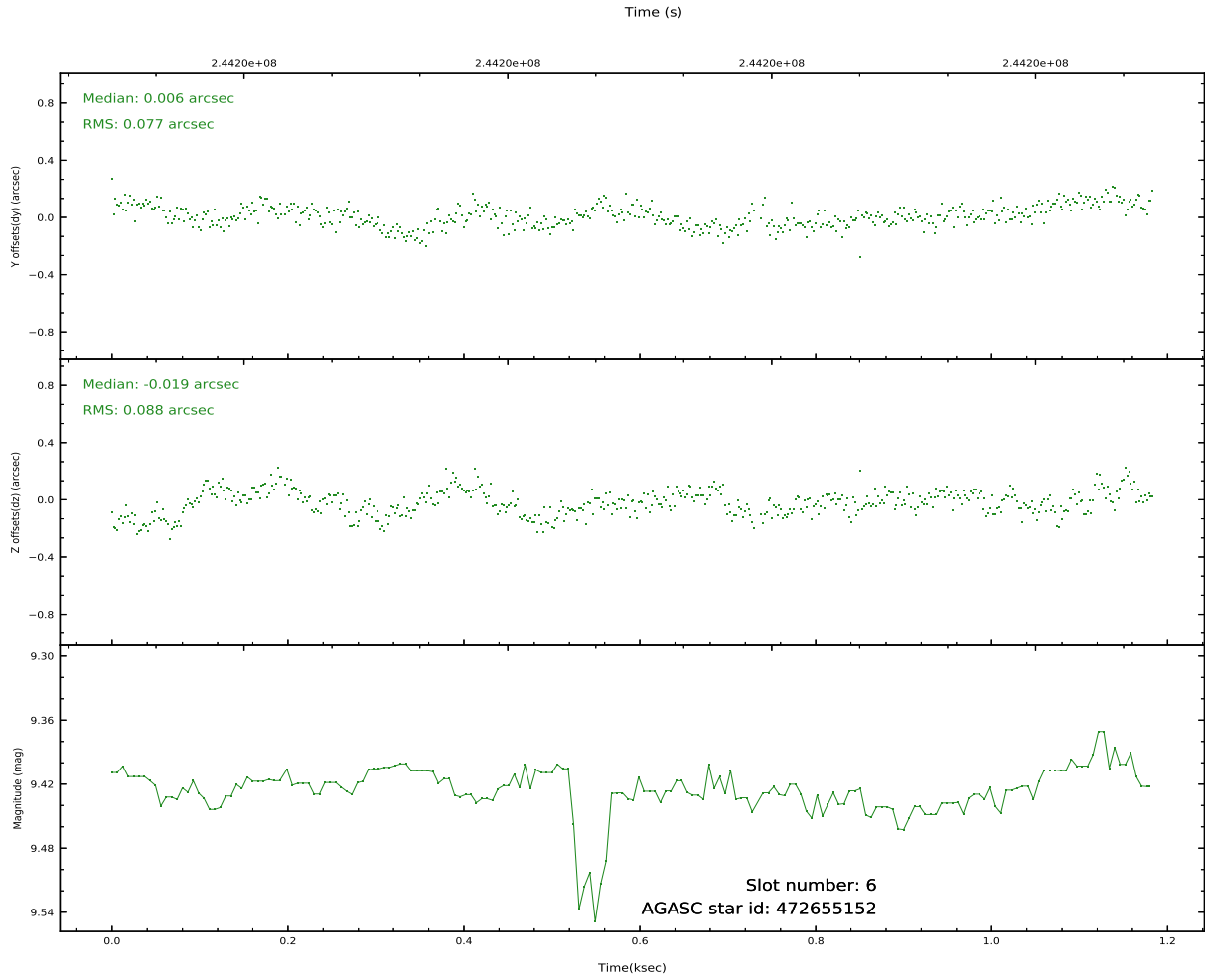
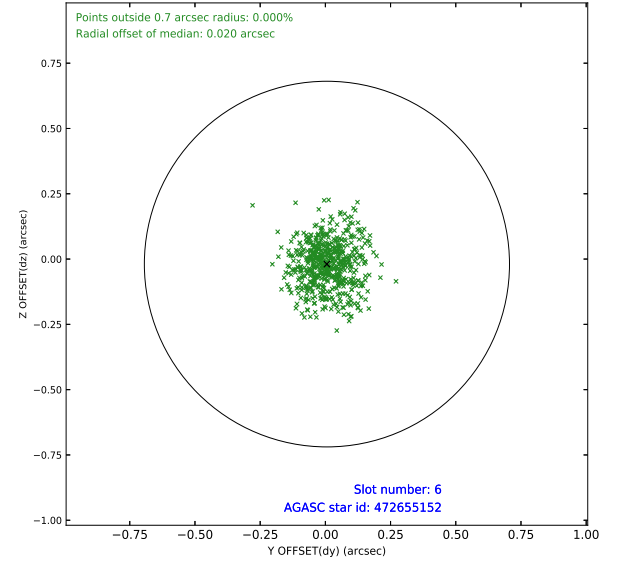
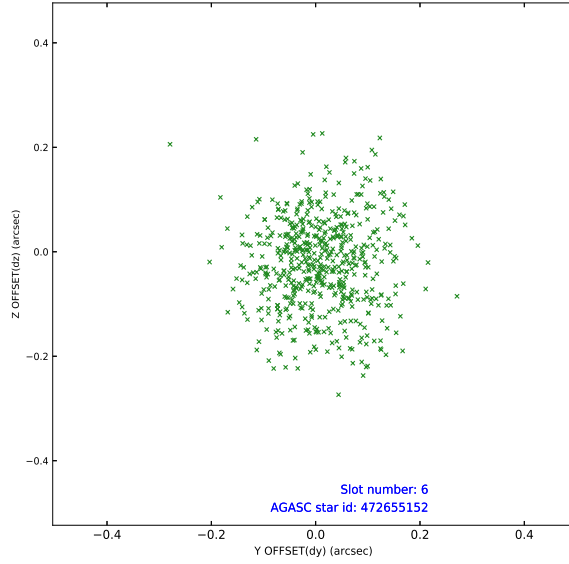
2.4.2 Slot 4



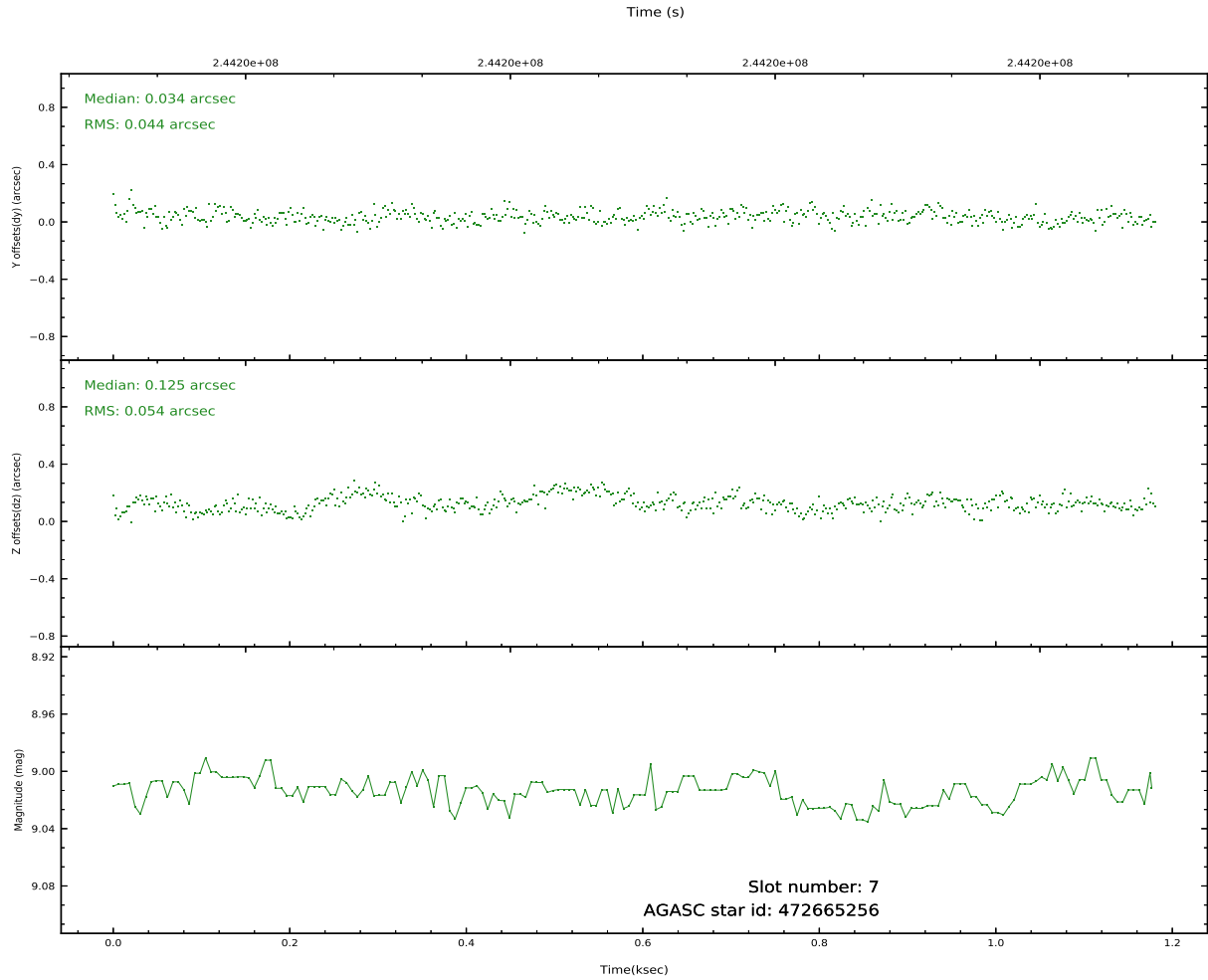
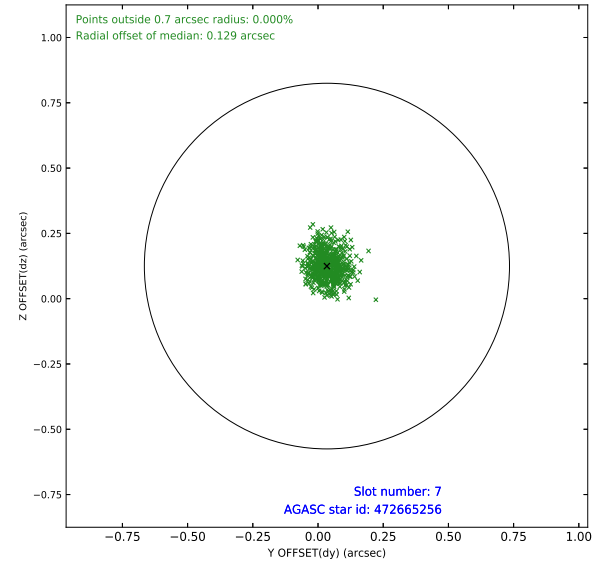
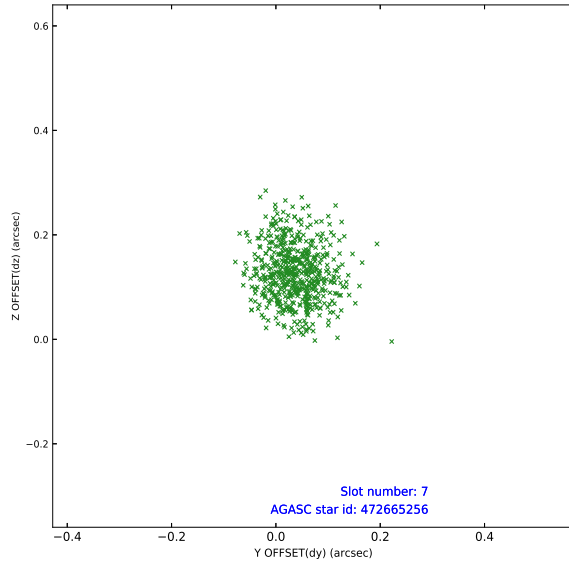
2.4.3 Slot 5



2.4.4 Slot 6

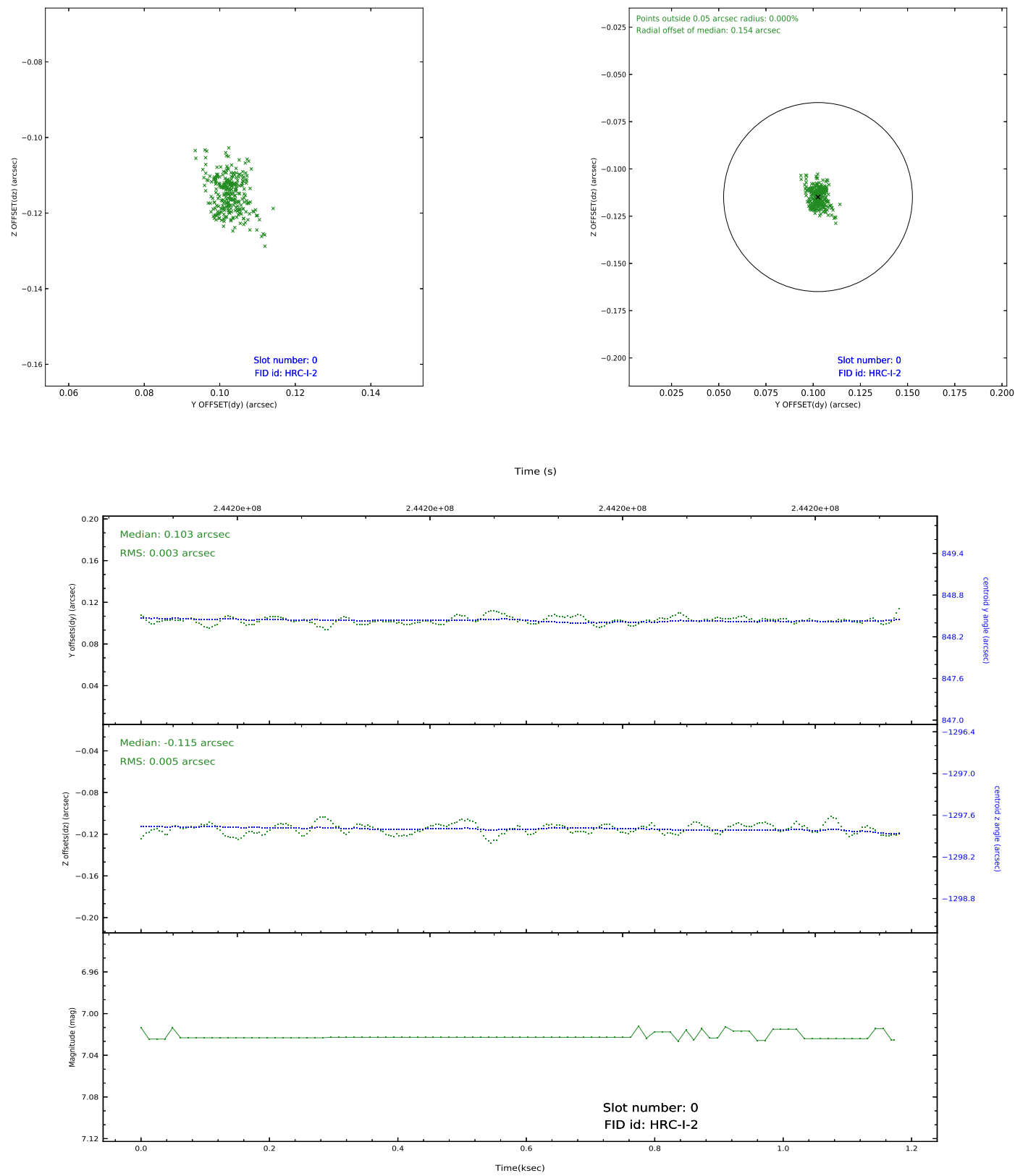


2.4.5 Slot 7

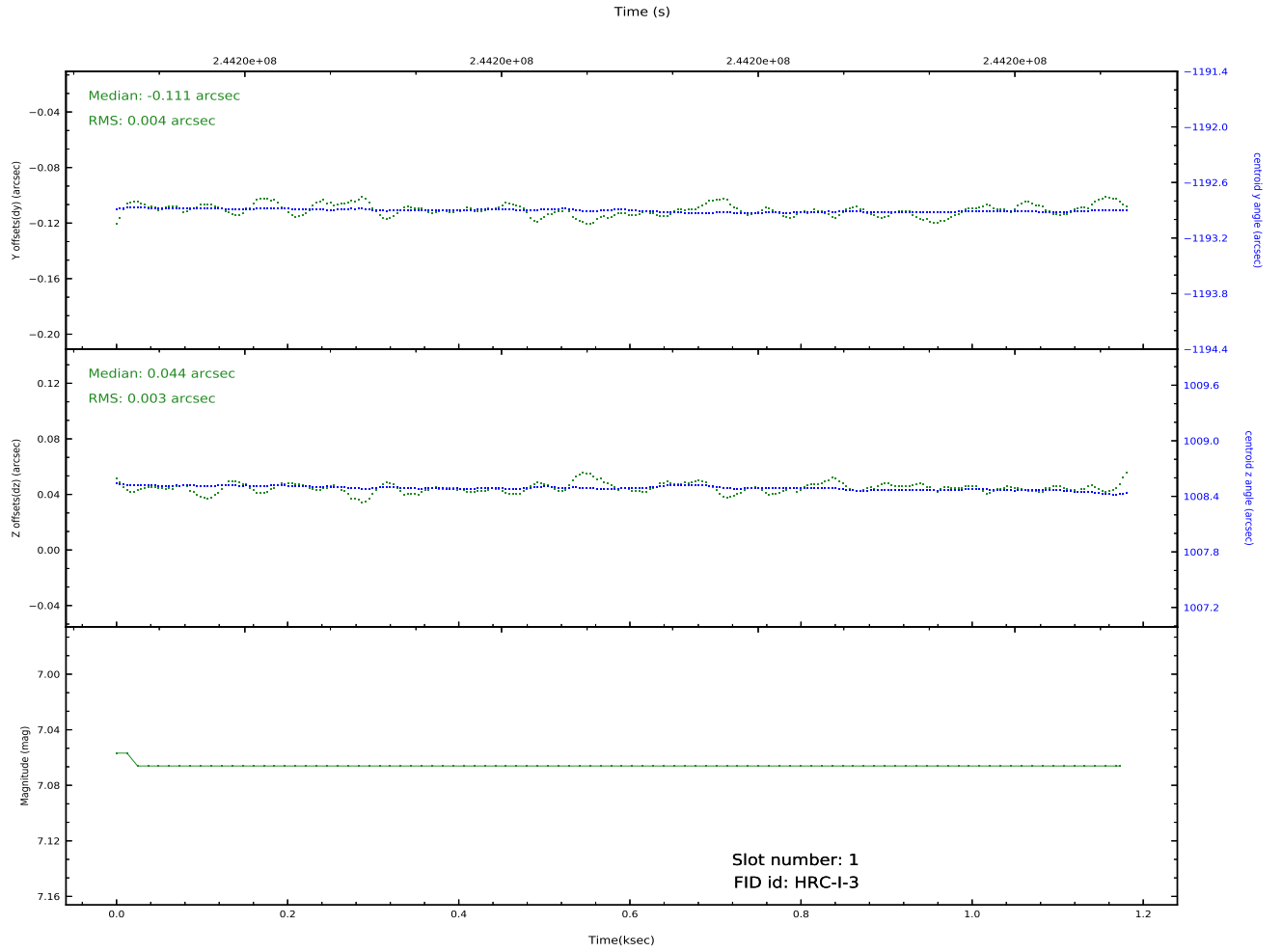
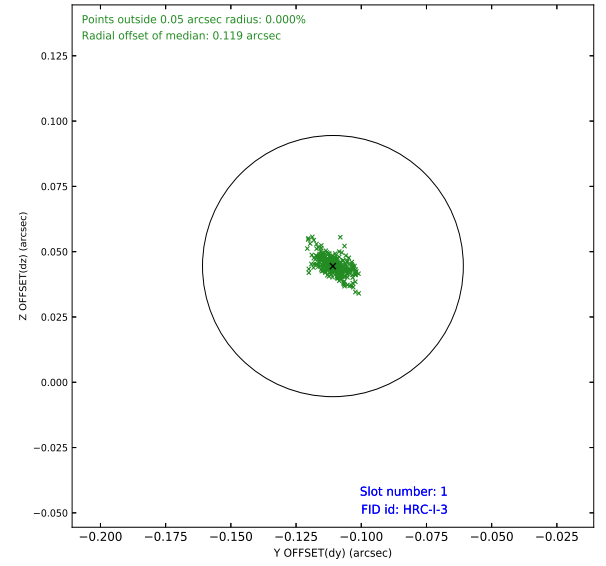
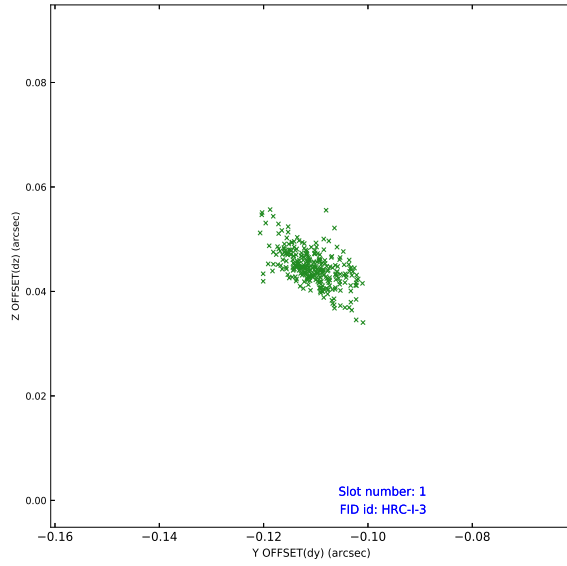


2.5 FID Slots

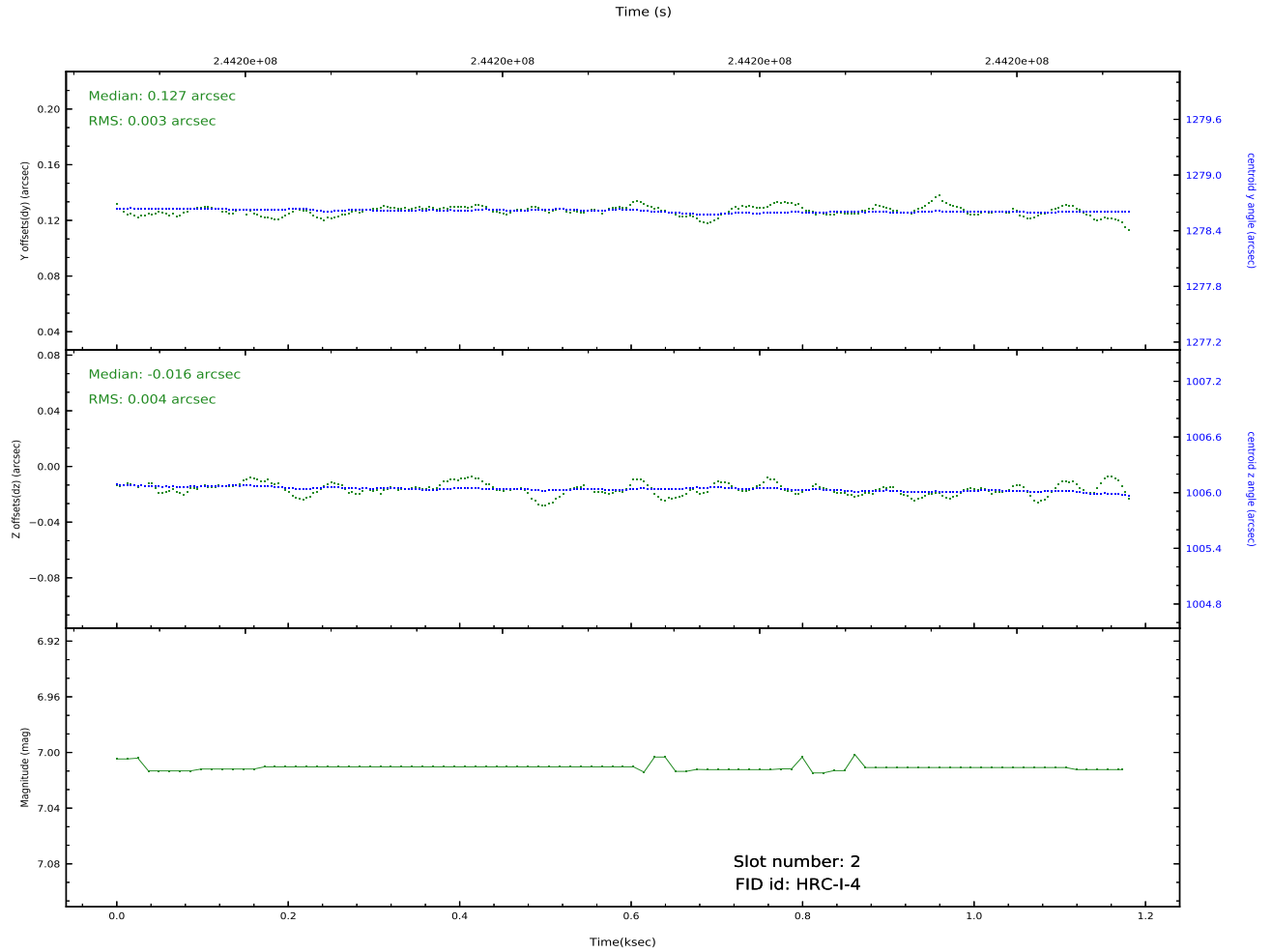
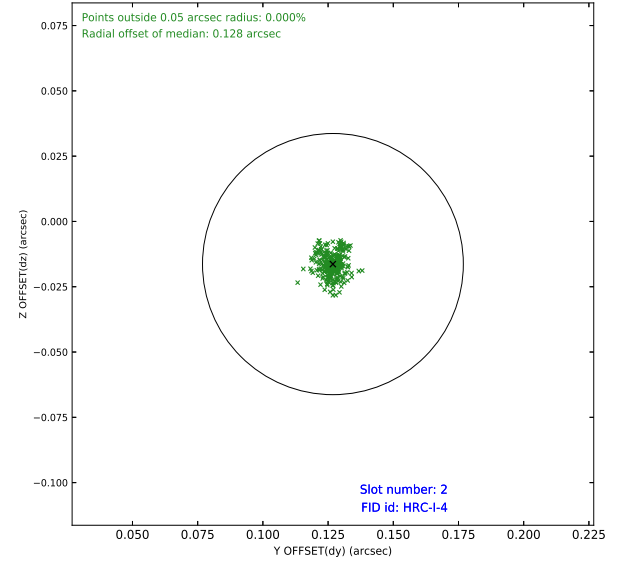
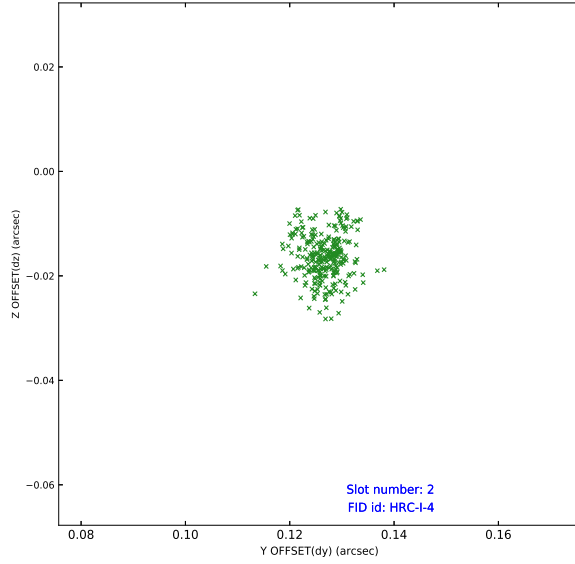
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182081

A.2 Comments