

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5067 - L2 Version 5
Chandra X-Ray Center

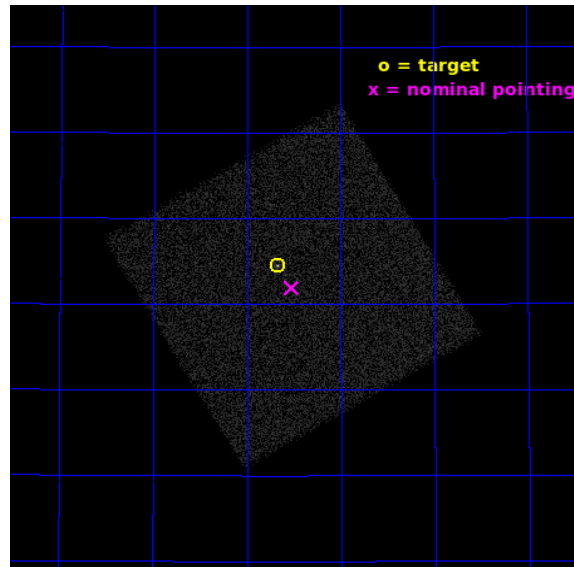
L2 Processing Date : Oct 5 2020

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1 Front

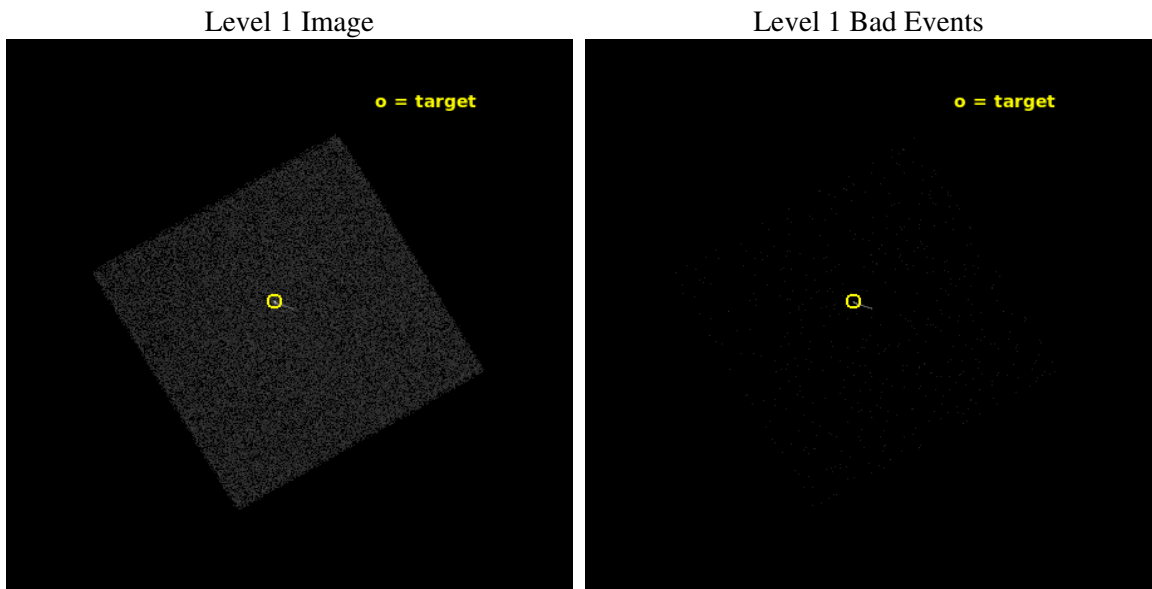
seq_num	290340	Sequence number
obs_id	5067	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13051349362	Nominal RA [deg]
dec_nom	45.698890525446	Nominal Dec [deg]
roll_nom	284.49936764876	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1089.8312990069	[s]
livetime	1081.9903819466	Ontime multiplied by DTCOR
l2events	43819	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1089.8312990069	[s]
caldbver	4.9.2	 	l1events	81953	Number of level 1 events
date	2020-10-05T06:22:54	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

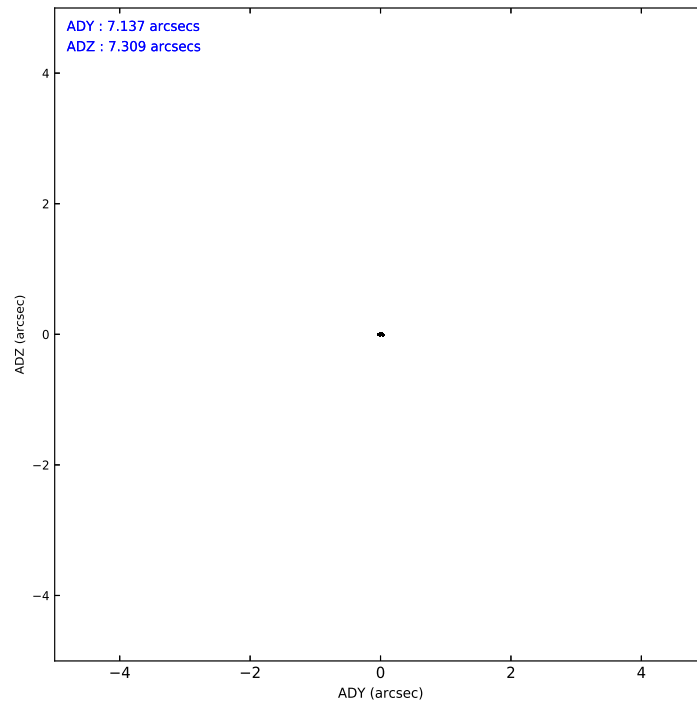
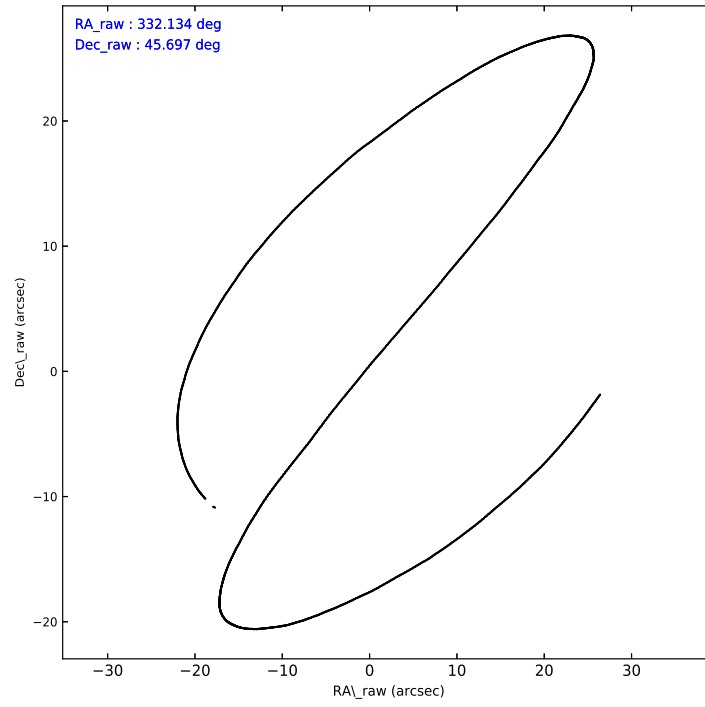
	segment 0
level 1 events	81953
rejected events	18583
rejected %	22%

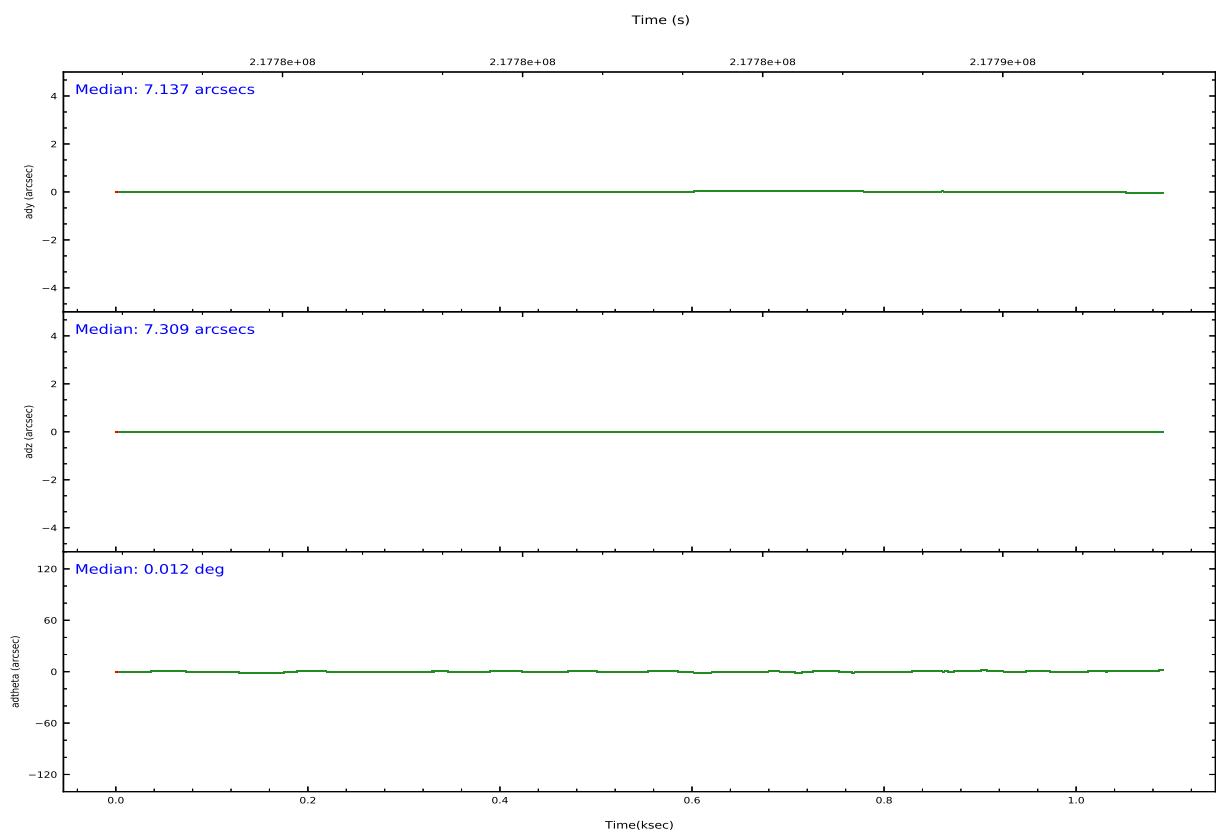
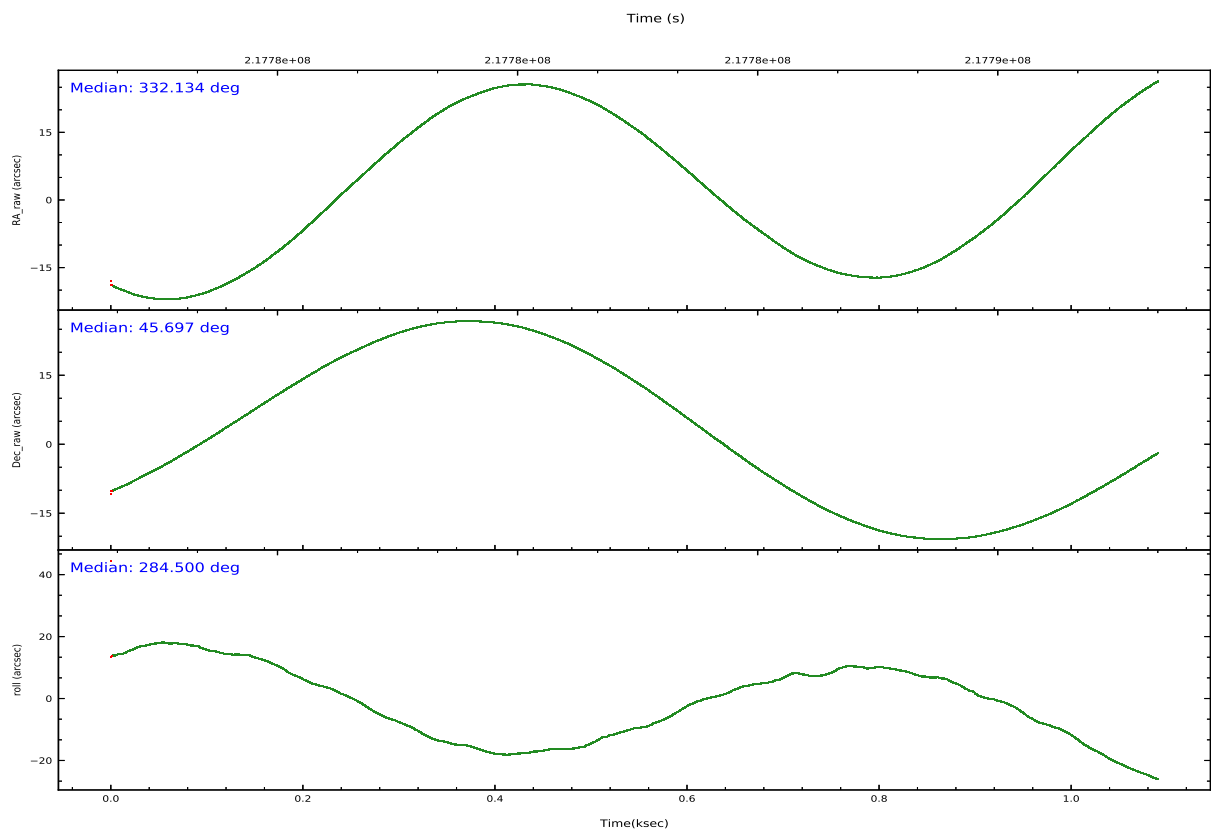
2.2 Compared Parameters

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	332.107139	332.13051349362
[deg] Pointing Dec	45.716394	45.698890525446
[deg] Pointing Roll	284.634560	284.49936764876
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	217784517.184000	217784141.02065
Observation start date	2004-11-25T15:40:53	2004-11-25T15:35:41
[s] Observation end time (MET)	217785417.184000	217785550.90821
Observation end date	2004-11-25T15:55:53	2004-11-25T15:59:10

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

2.3 Aspect



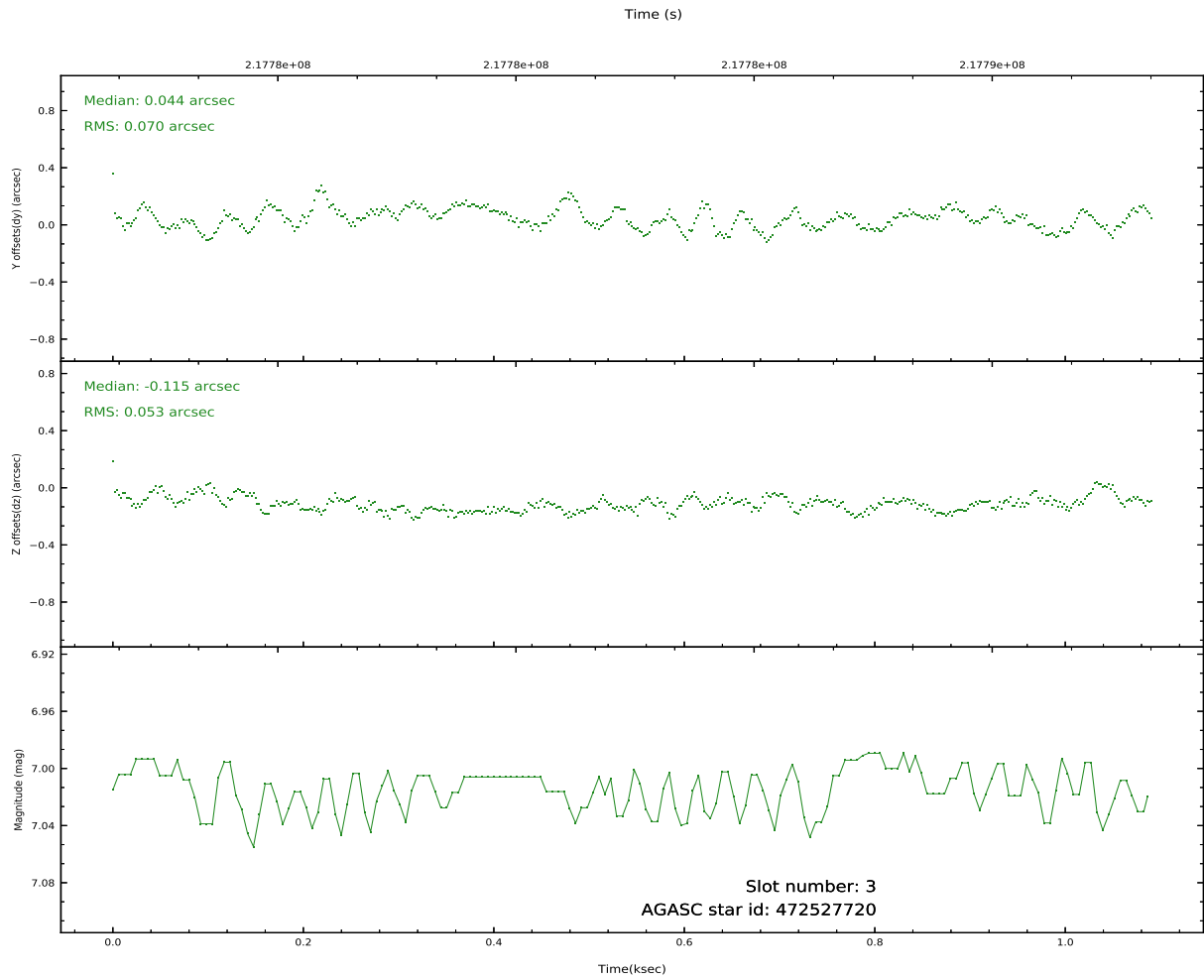
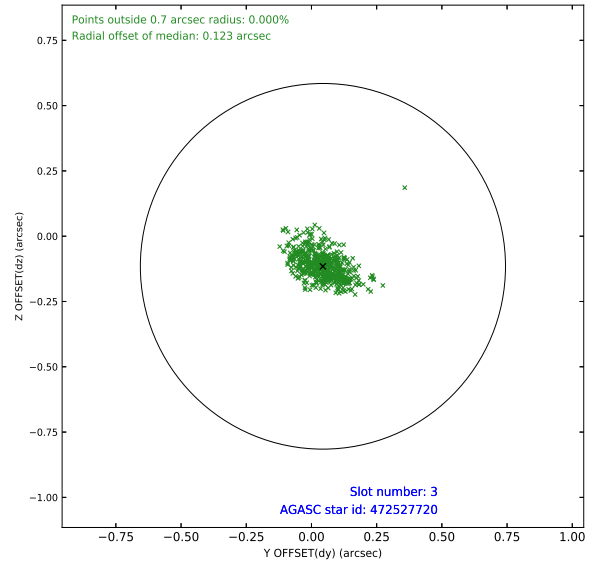
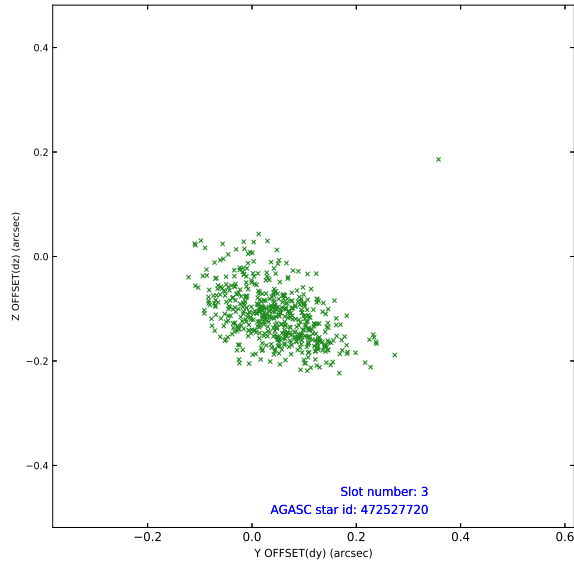


Slot Statistics

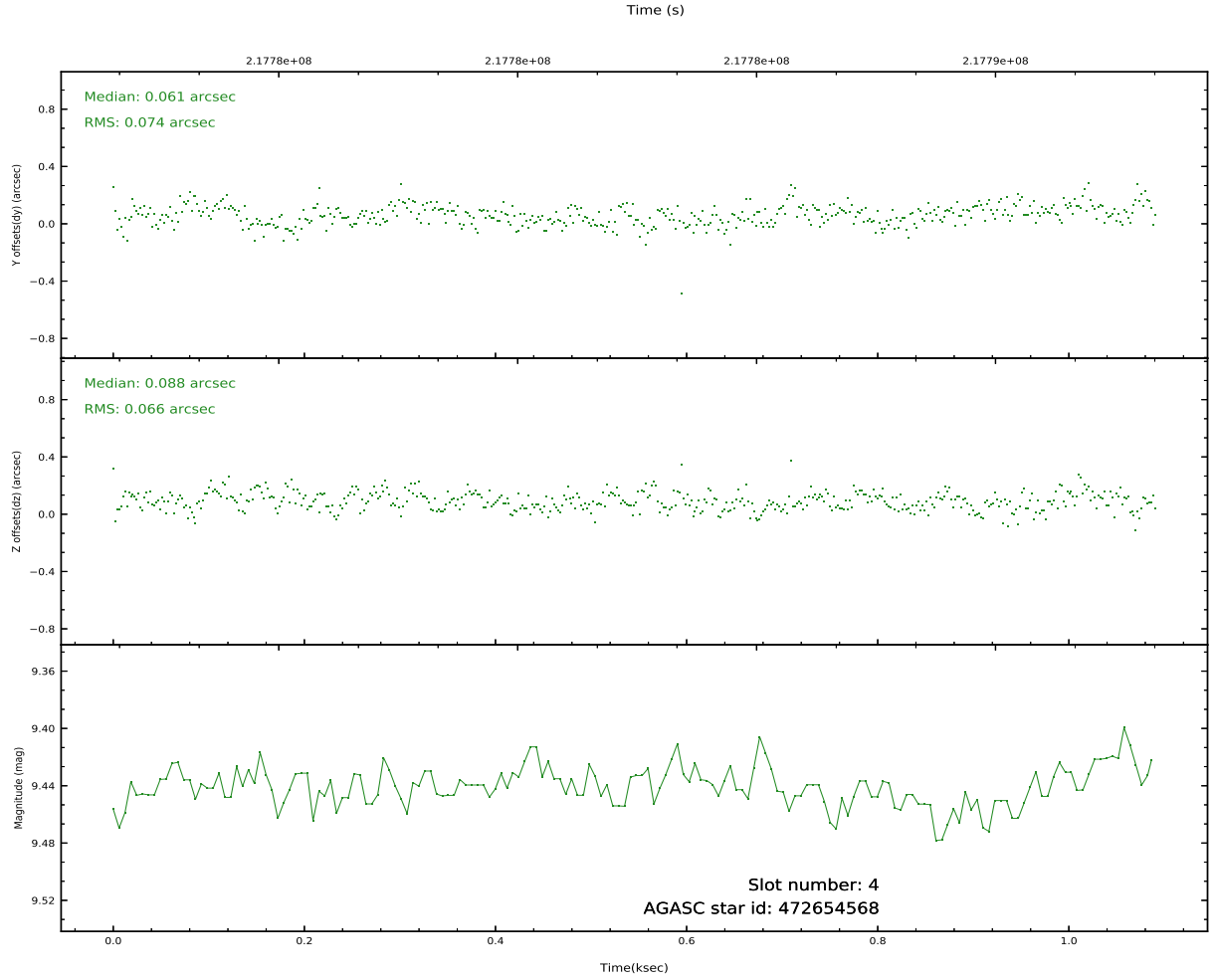
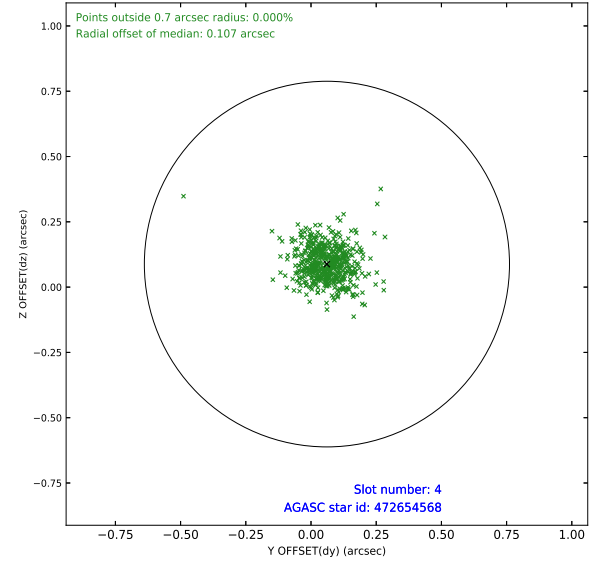
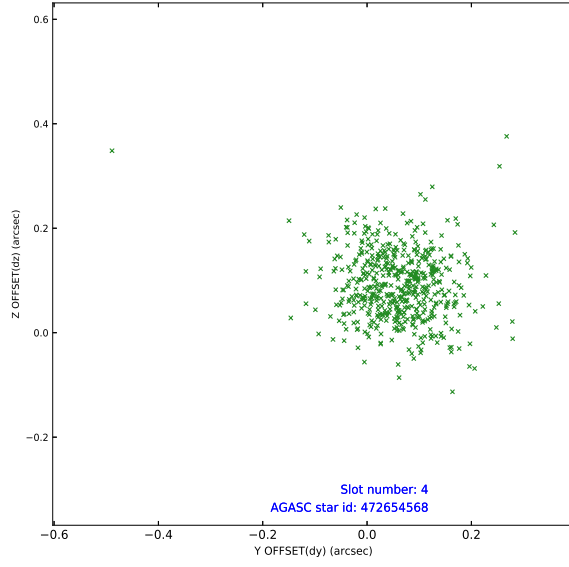
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	267	1.000	-0.057	-0.063	0.006	0.010	0.000000	0.000000	-762.86	-1295
1	FID		HRC-I-2	7.05	267	1.000	0.102	-0.072	0.007	0.013	0.000000	0.000000	847.07	-1301
2	FID		HRC-I-4	7.05	267	1.000	0.072	0.042	0.005	0.011	0.000000	0.000000	1283.36	1002
3	GUIDE	used	472527720	7.02	533	1.000	0.044	-0.115	0.093	0.153	331.460205	45.112509	1682.57	-2135
4	GUIDE	used	472654568	9.44	533	1.000	0.061	0.088	0.098	0.168	332.194449	45.063576	2333.58	-380
5	GUIDE	used	472655152	9.43	532	1.000	0.004	0.121	0.104	0.171	332.504239	45.862991	-256.93	1098
6	GUIDE	used	472659832	9.46	533	1.000	-0.072	0.062	0.104	0.193	332.780399	46.098139	-912.46	1979
7	GUIDE	used	472523760	8.23	531	1.000	-0.043	-0.149	0.078	0.127	331.645363	45.403260	791.37	-1407

2.4 Star Slots

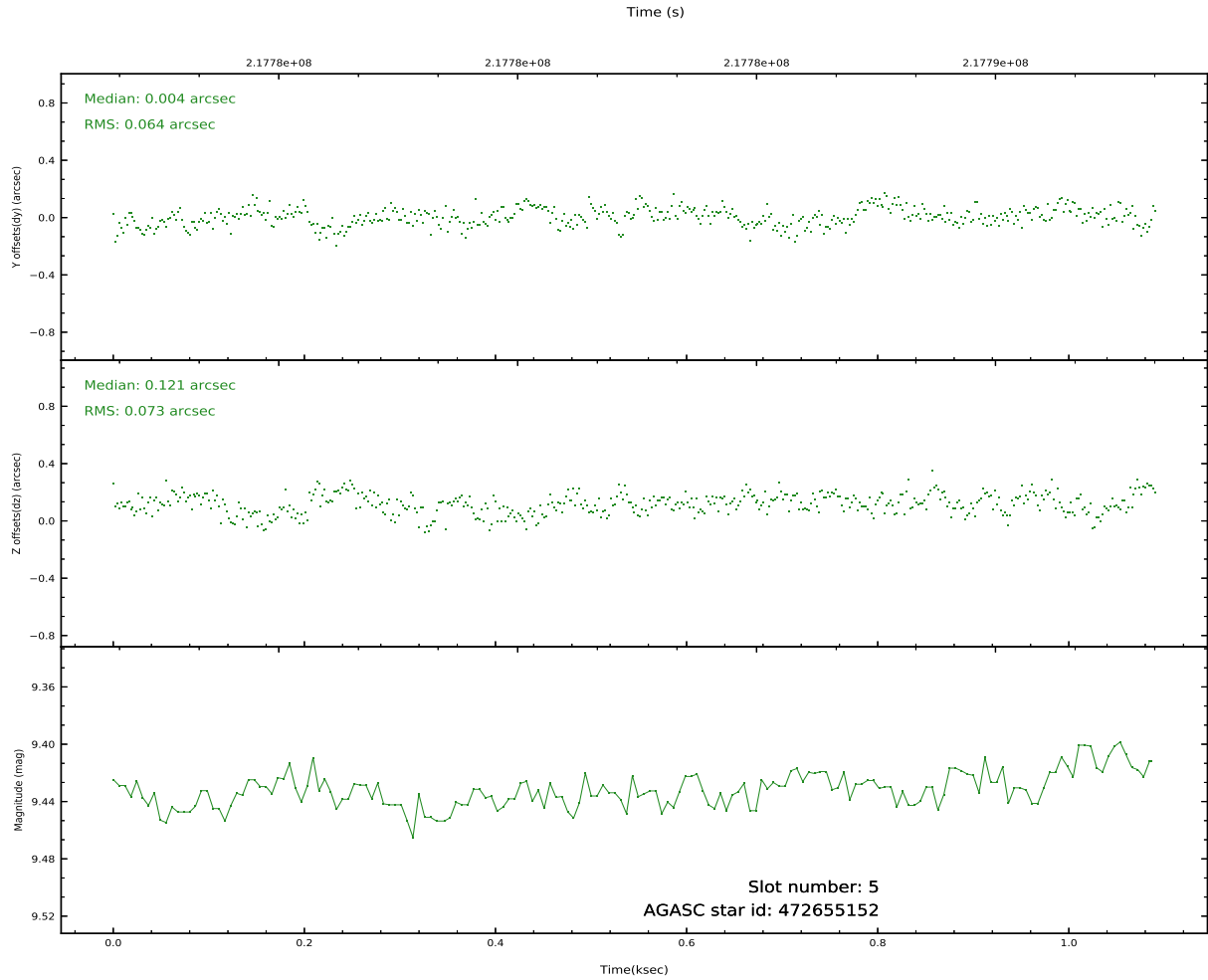
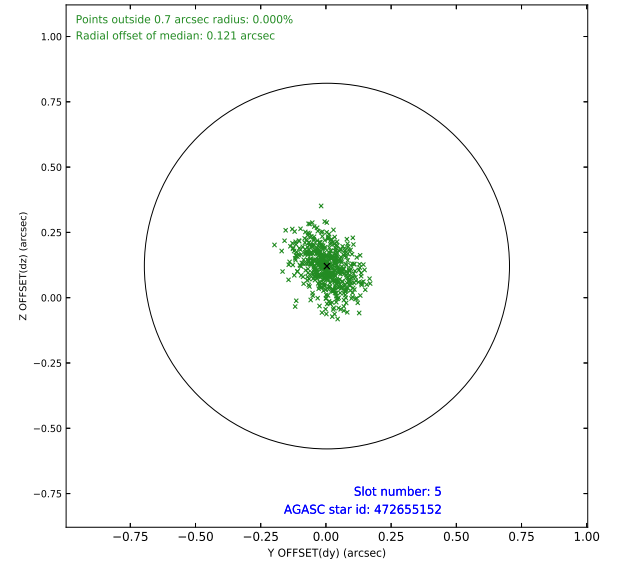
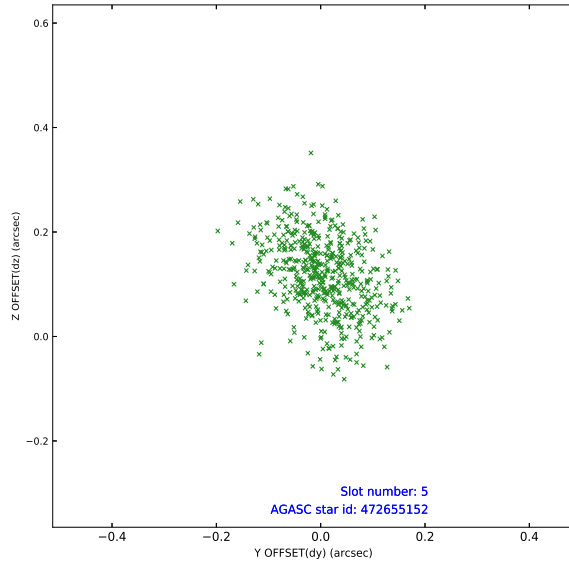
2.4.1 Slot 3



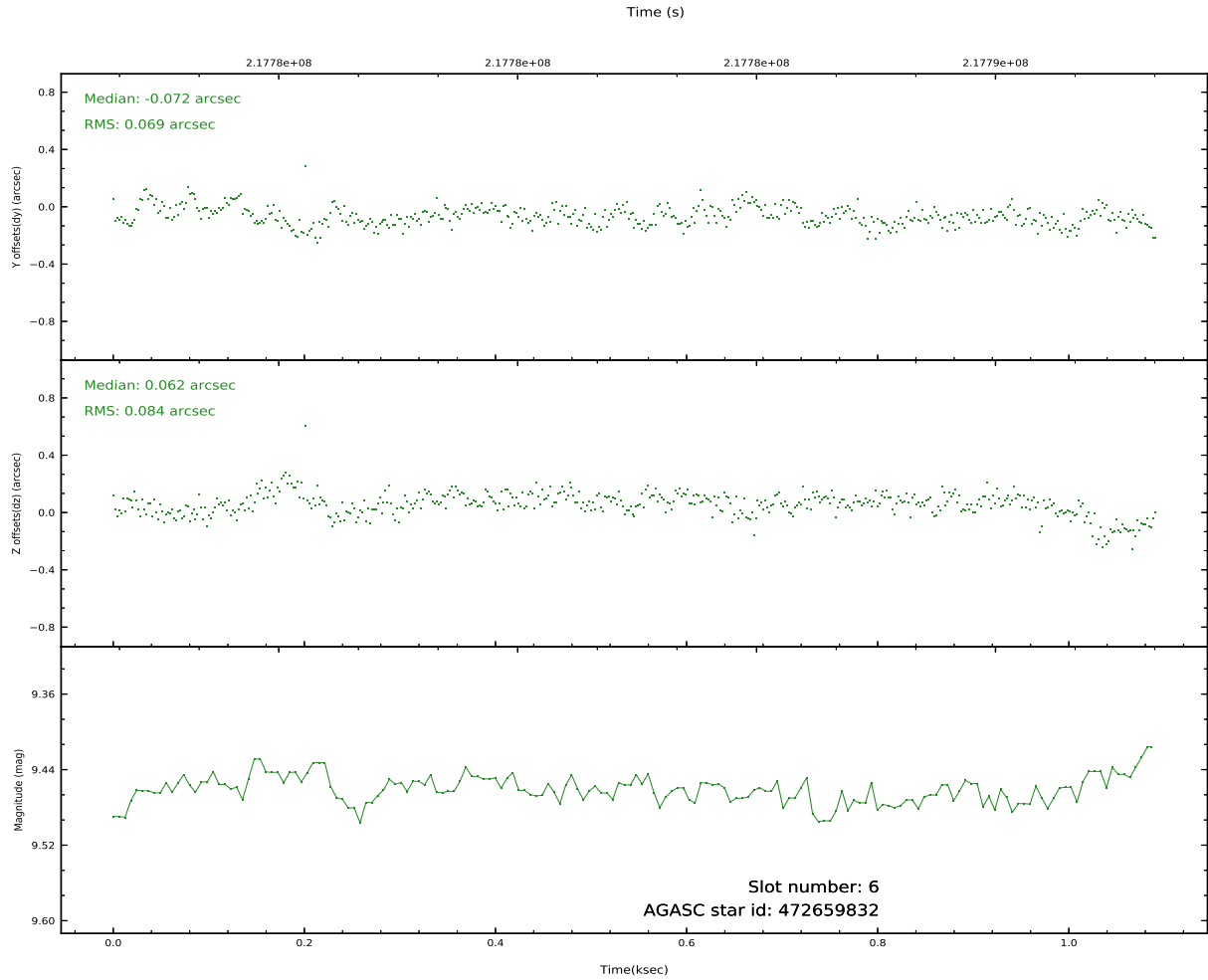
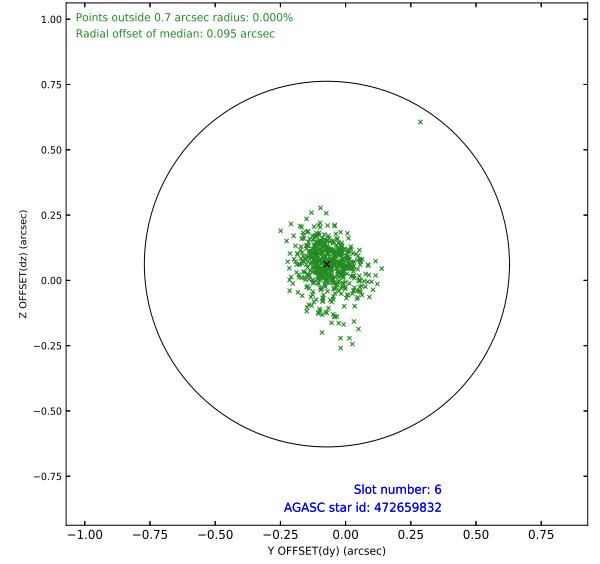
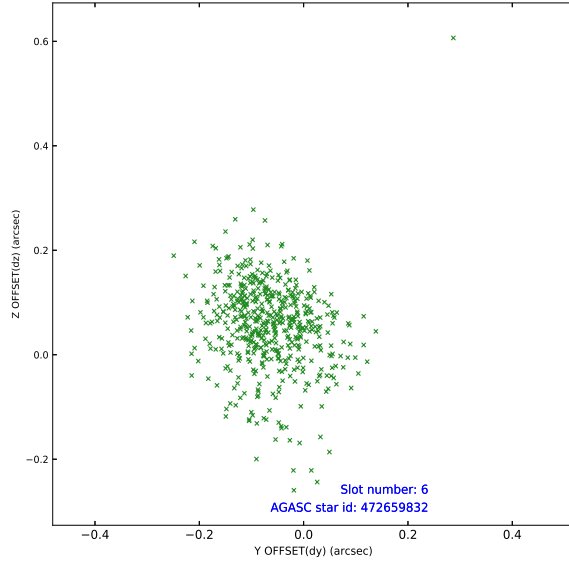
2.4.2 Slot 4



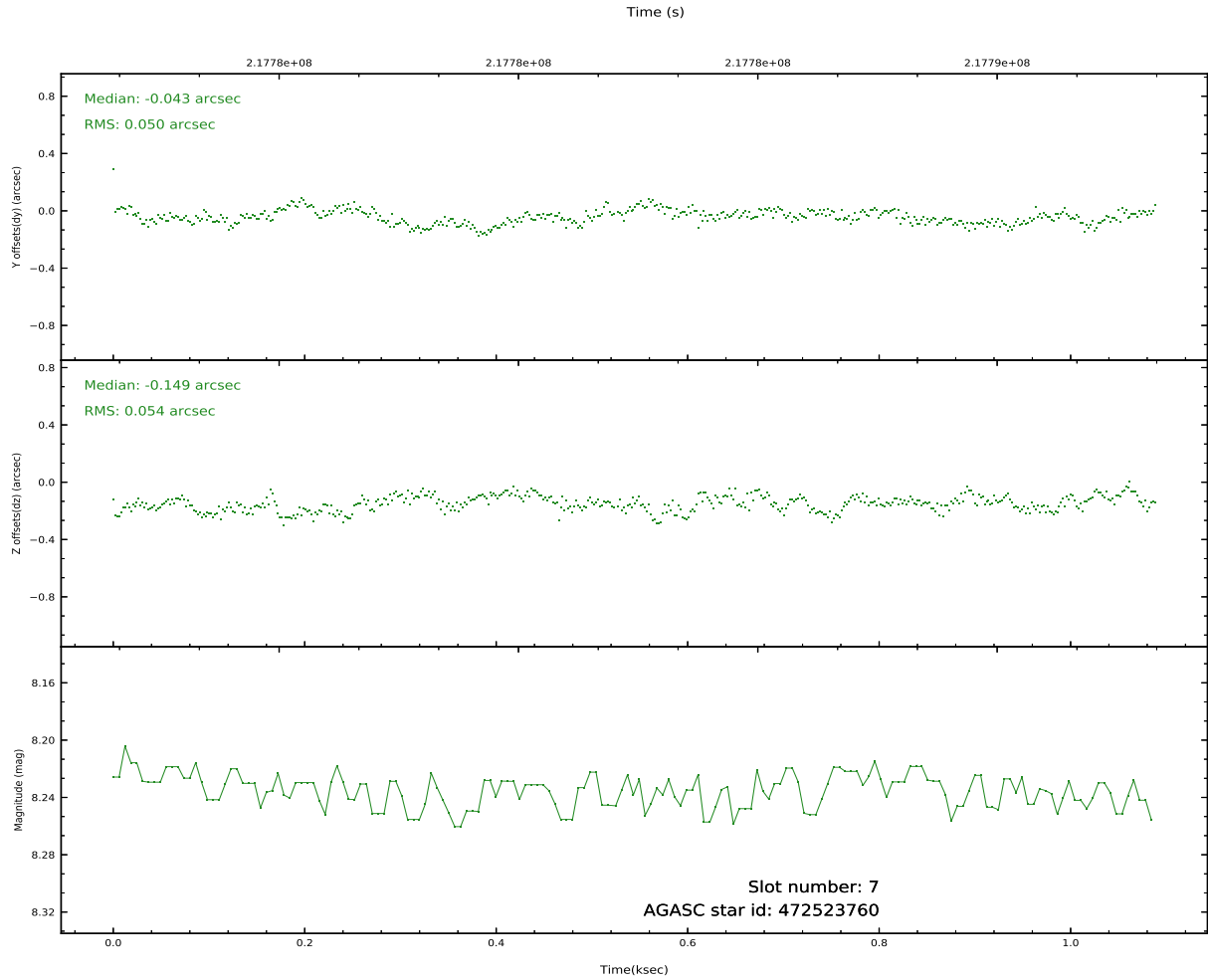
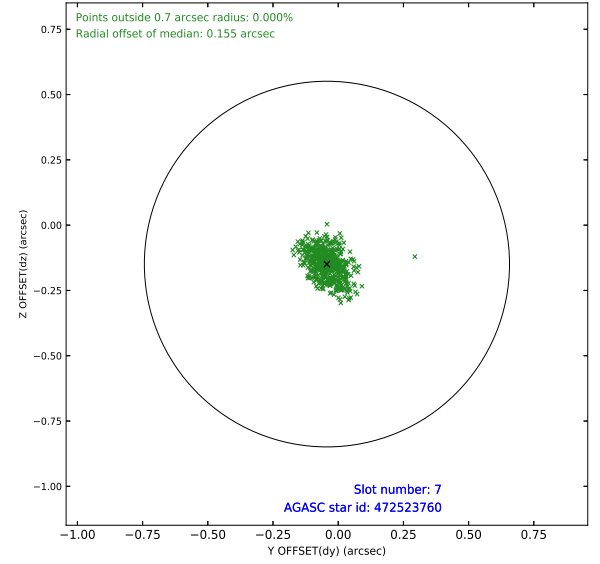
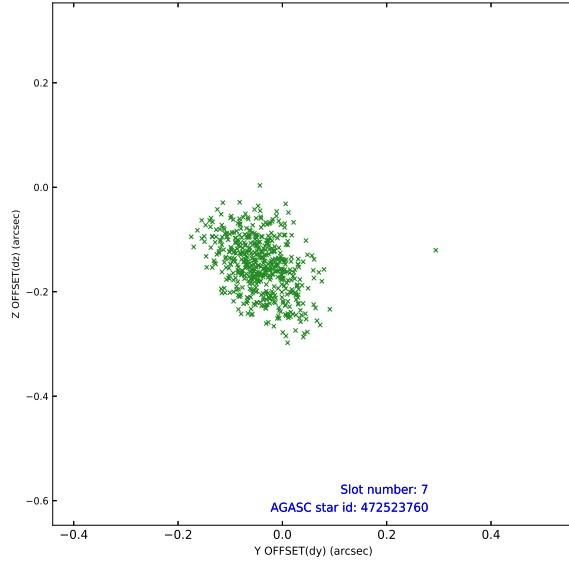
2.4.3 Slot 5



2.4.4 Slot 6

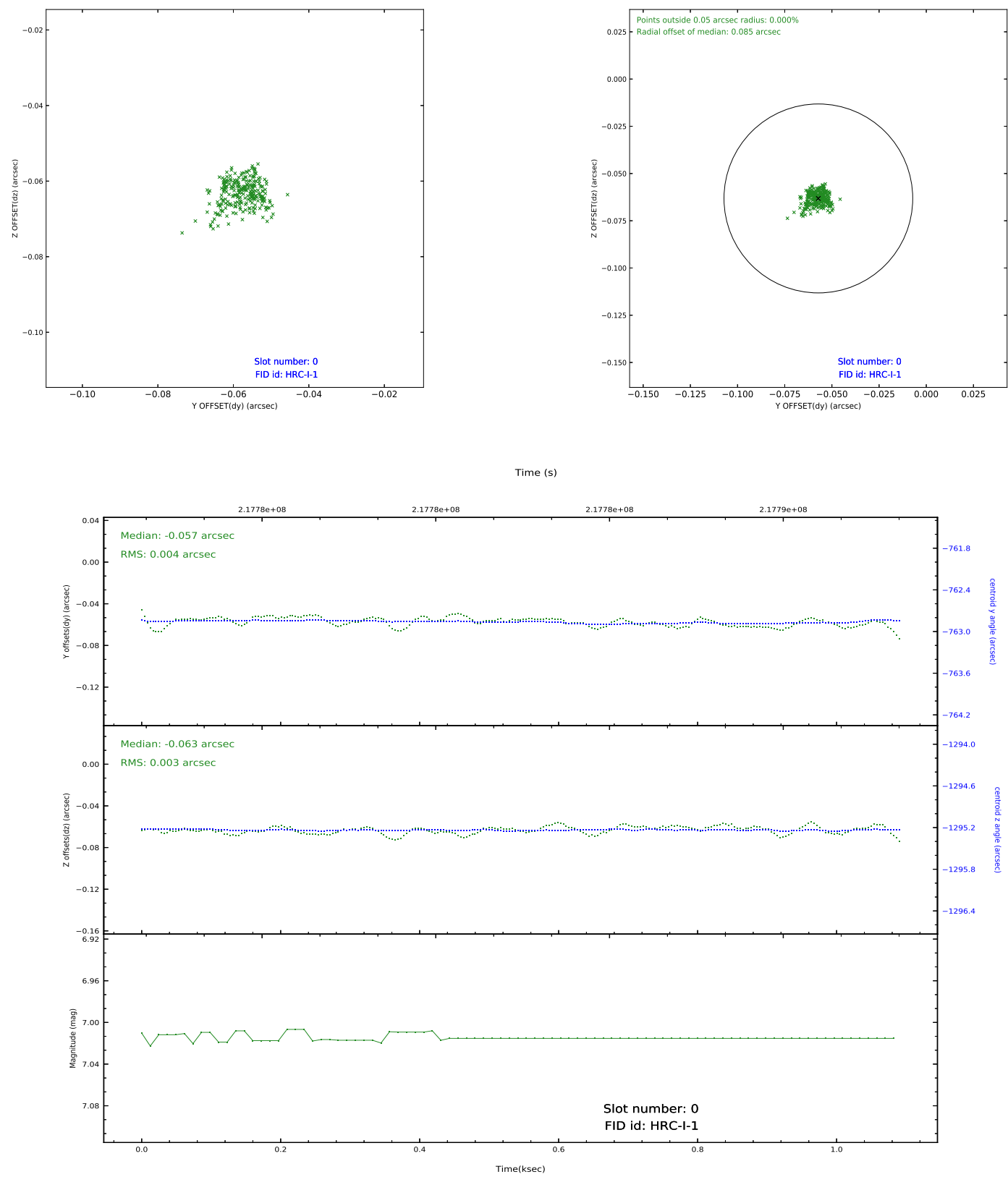


2.4.5 Slot 7

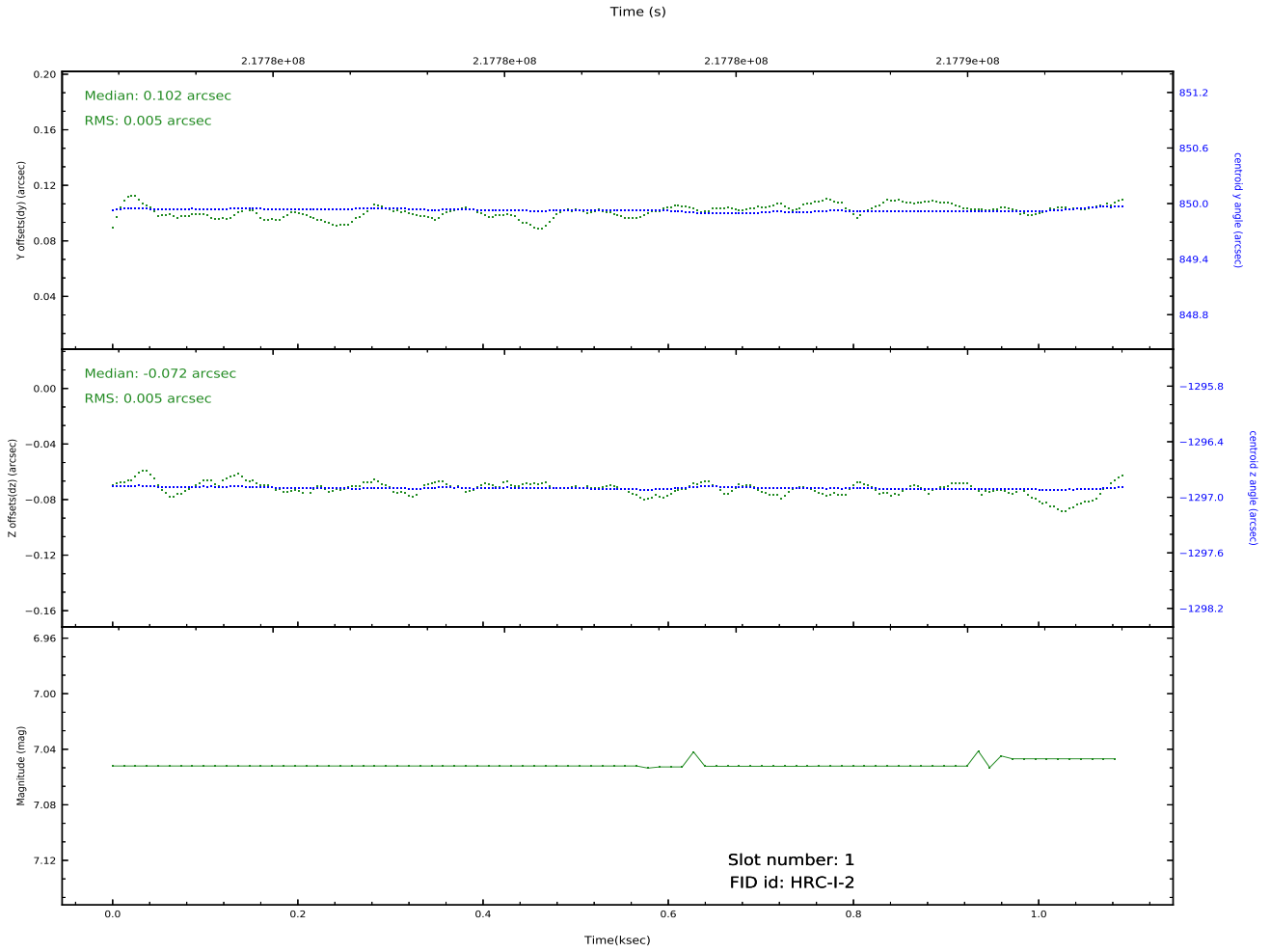
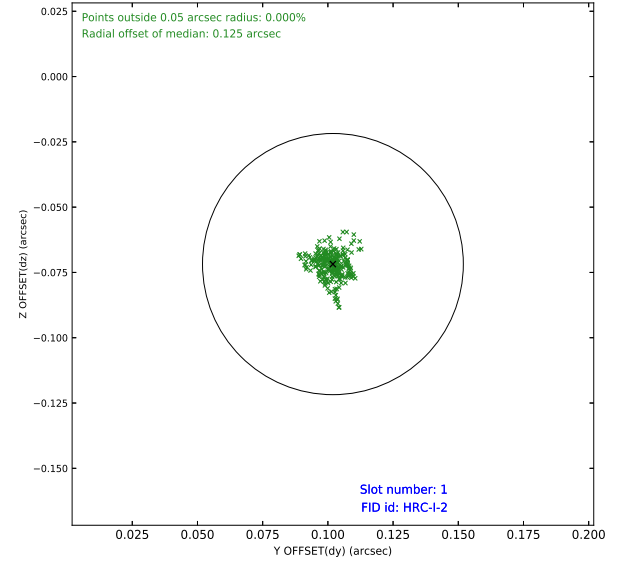
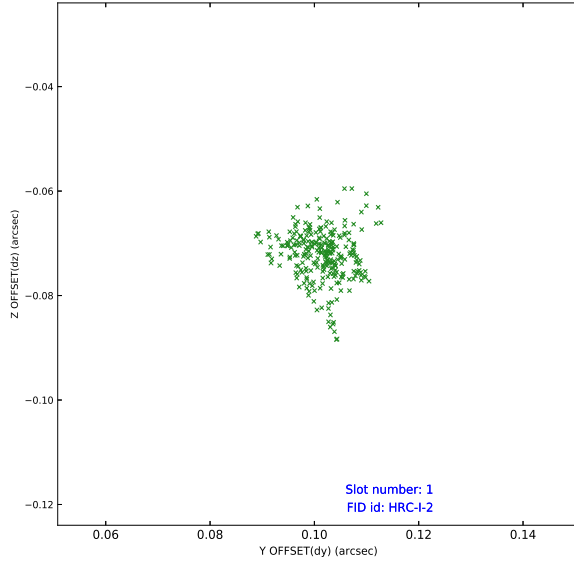


2.5 FID Slots

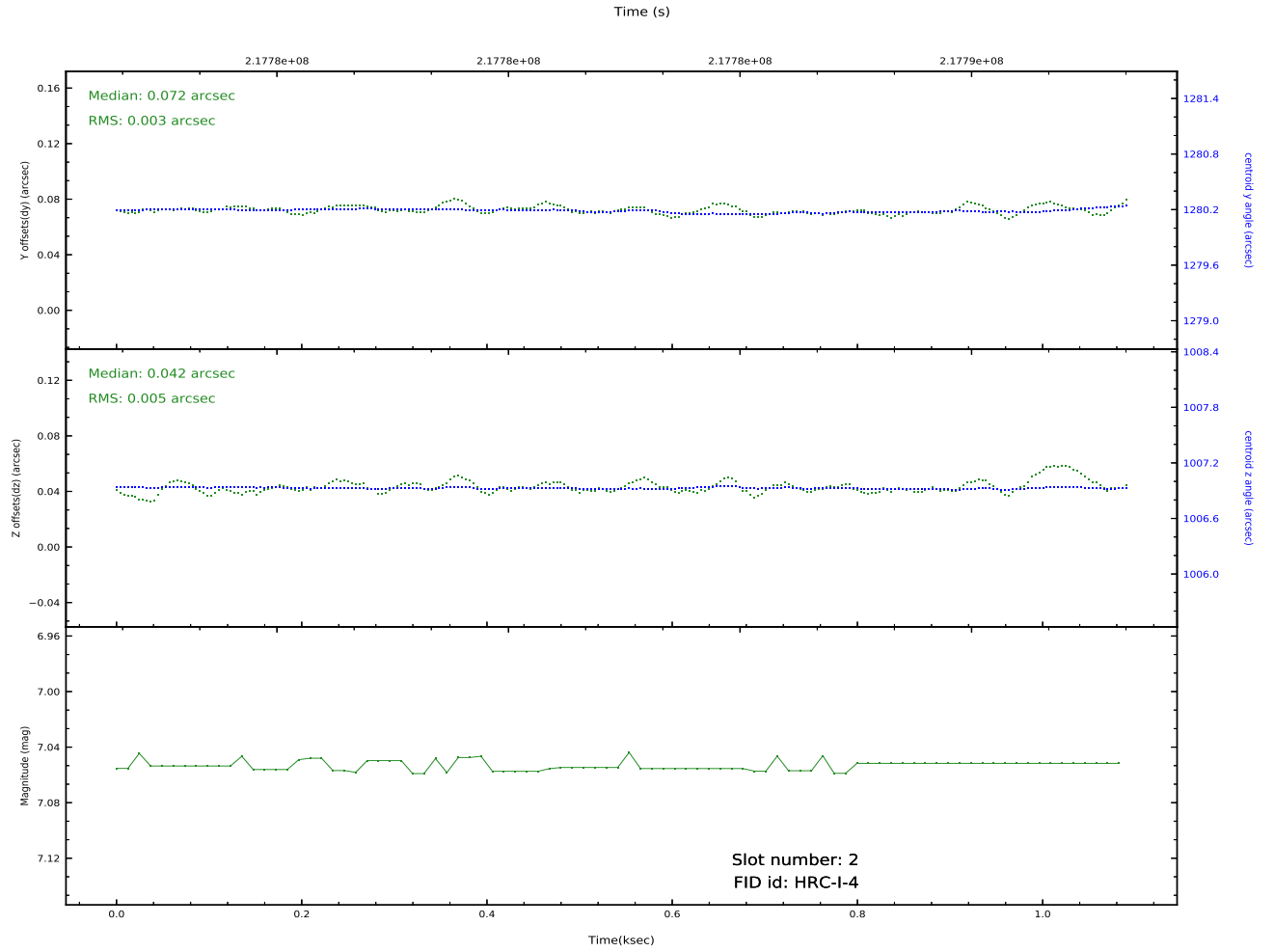
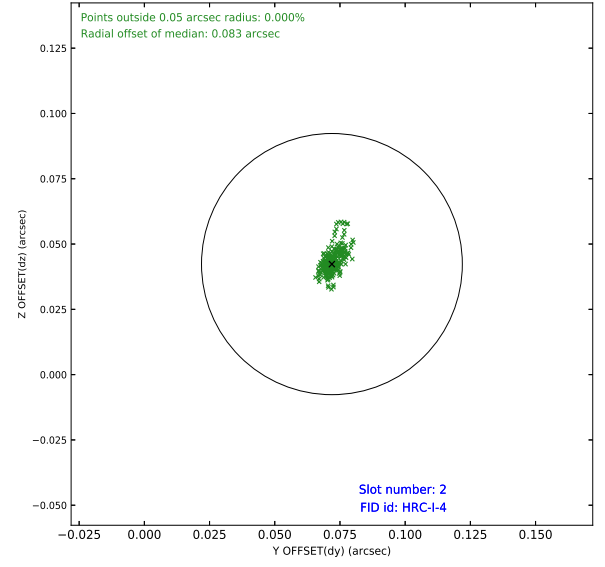
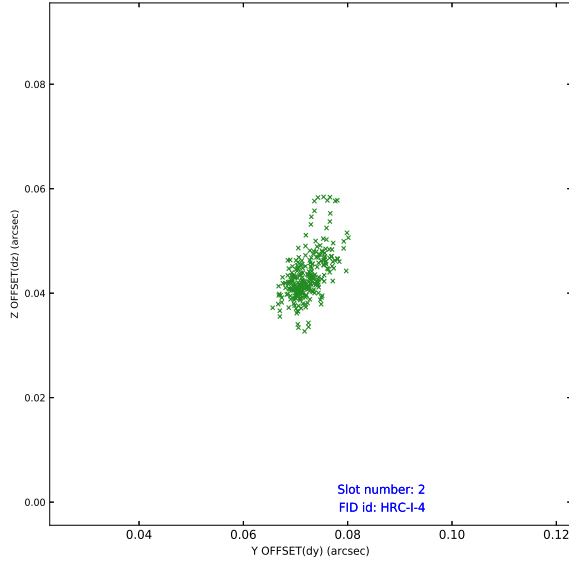
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.089831

A.2 Comments