

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20676 - L2 Version 2
Chandra X-Ray Center

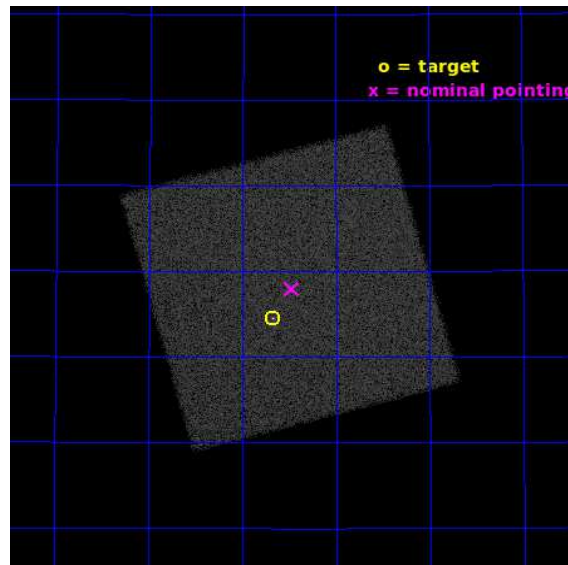
L2 Processing Date : Oct 27 2020

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1 Front

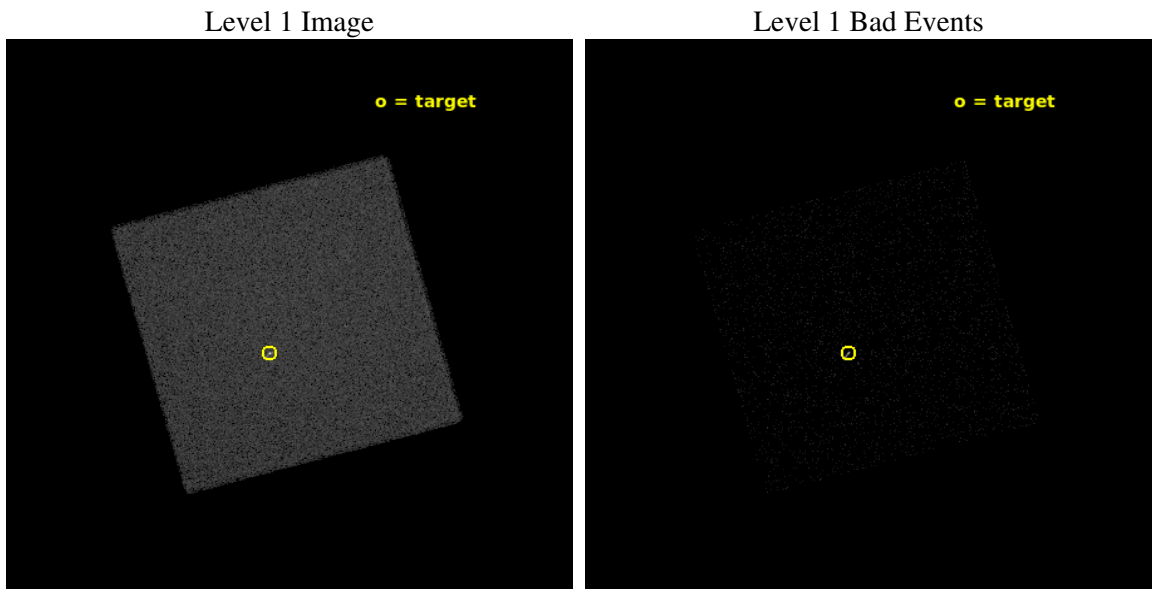
seq_num	291387	Sequence number
obs_id	20676	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.11798441195	Nominal RA [deg]
dec_nom	45.799662670711	Nominal Dec [deg]
roll_nom	209.62165184094	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1175.6750699282	[s]
livetime	1159.0638886596	Ontime multiplied by DTCOR
l2events	144860	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	1175.6750699282	[s]
caldbver	4.9.3	 	l1events	243444	Number of level 1 events
date	2020-10-27T19:32:40	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

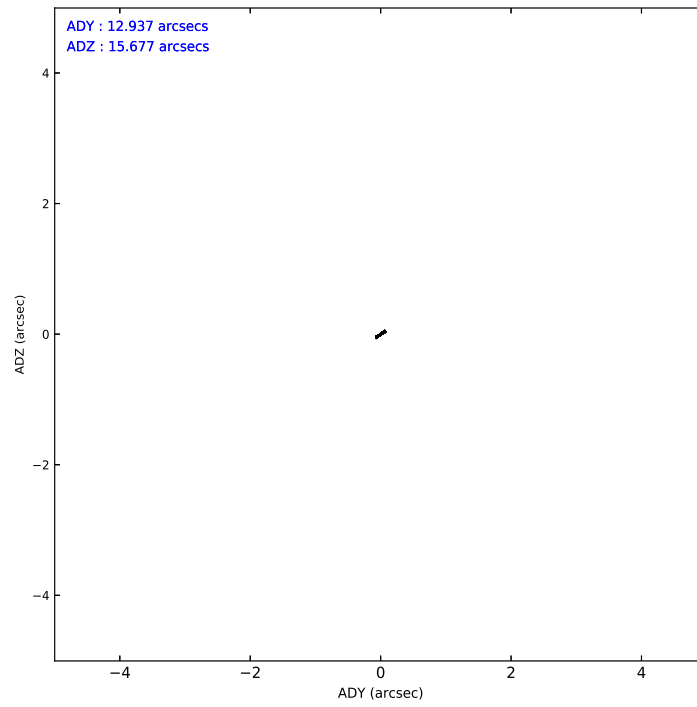
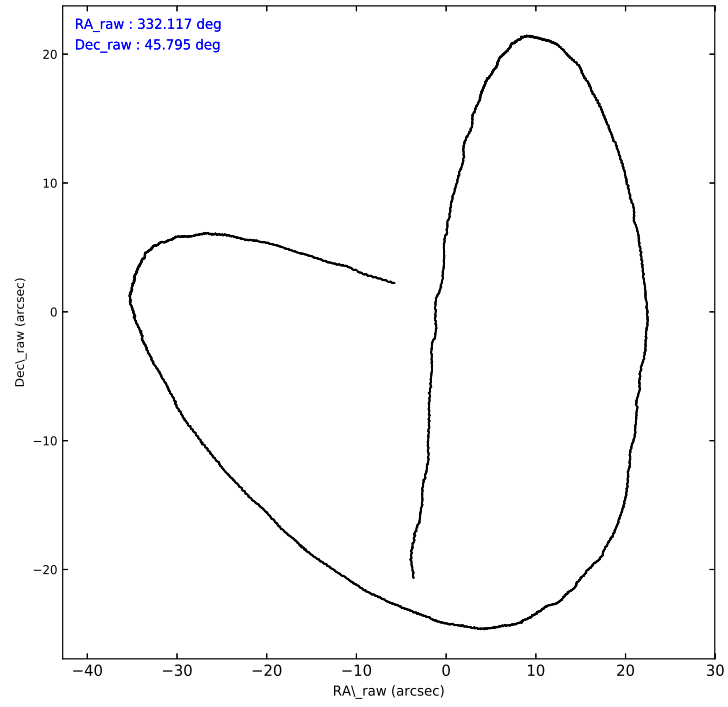
	segment 0
level 1 events	243444
rejected events	53641
rejected %	22%

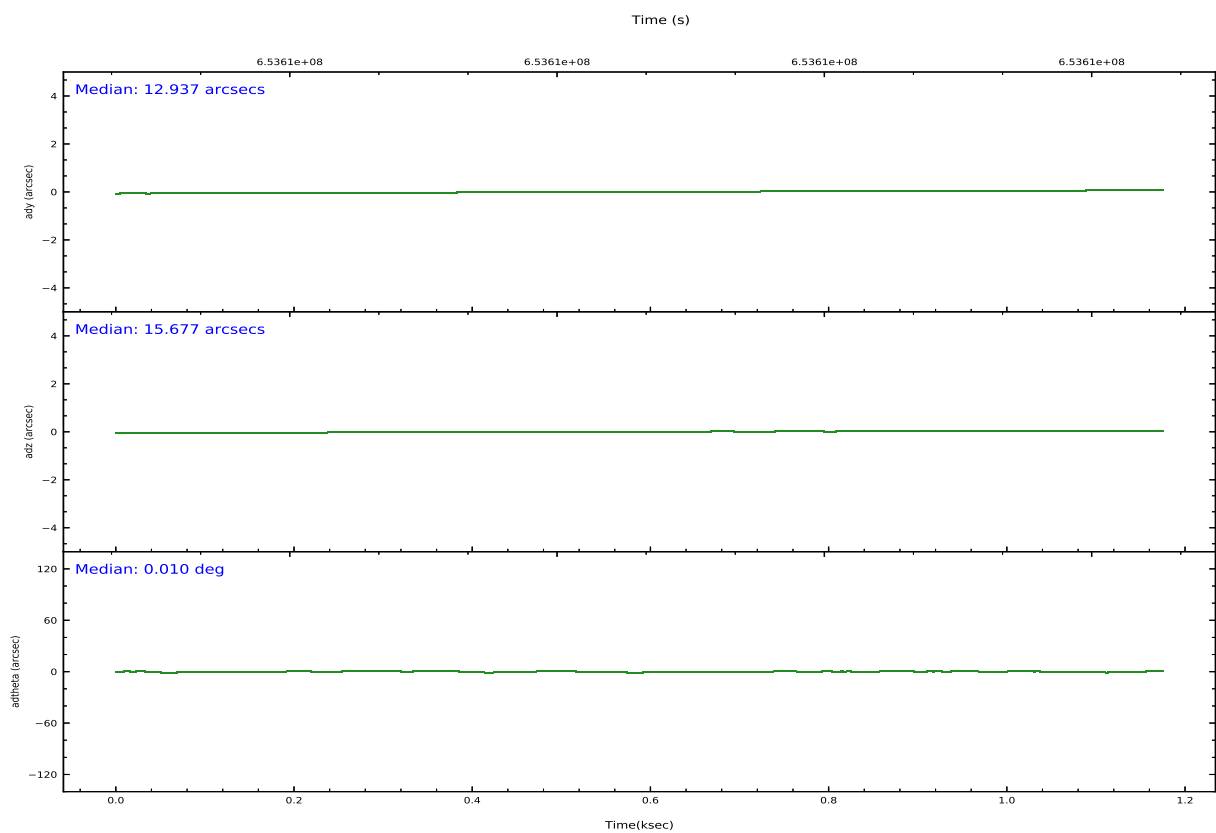
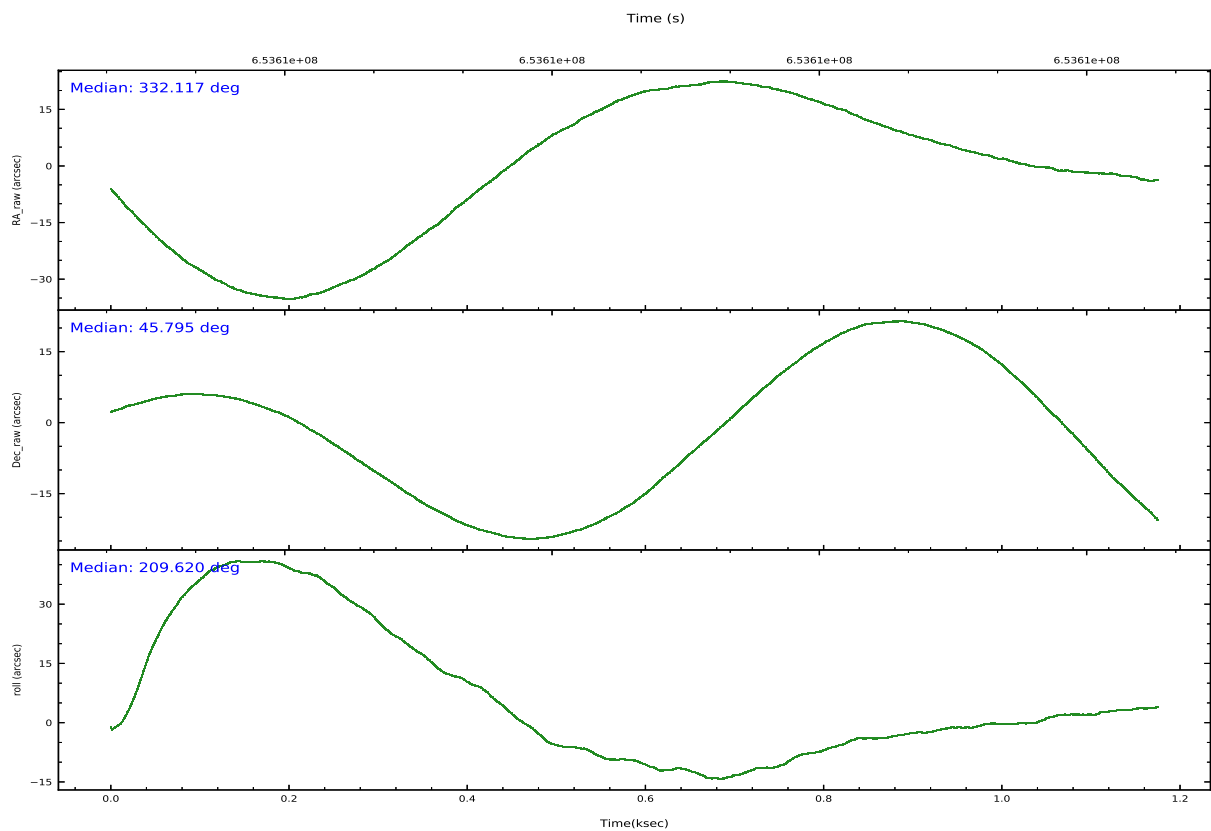
2.2 Compared Parameters

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	332.136321	332.11798441195
[deg] Pointing Dec	45.816973	45.799662670711
[deg] Pointing Roll	209.716882	209.62165184094
[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)	653611280.184000	653610904.27938
Observation start date	2018-09-17T22:40:11	2018-09-17T22:35:04
[s] Observation end time (MET)	653612280.184000	653612414.10447
Observation end date	2018-09-17T22:56:51	2018-09-17T23:00:14

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

2.3 Aspect



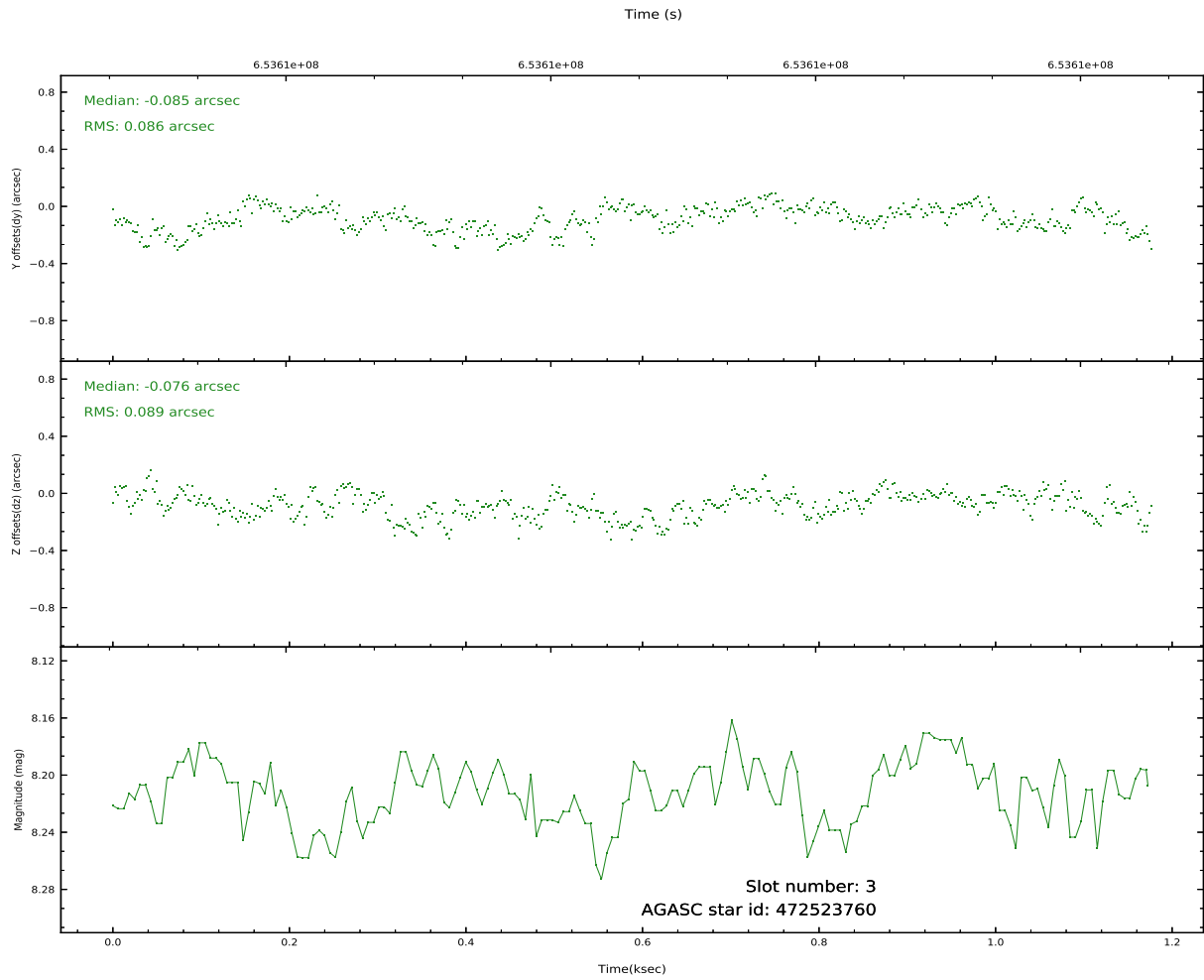
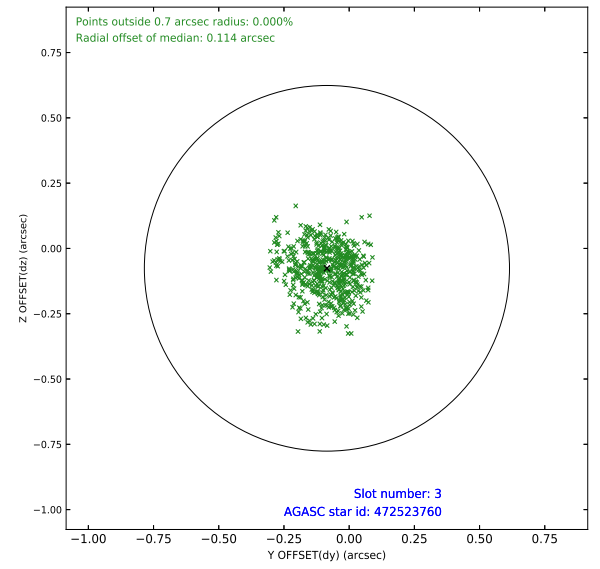
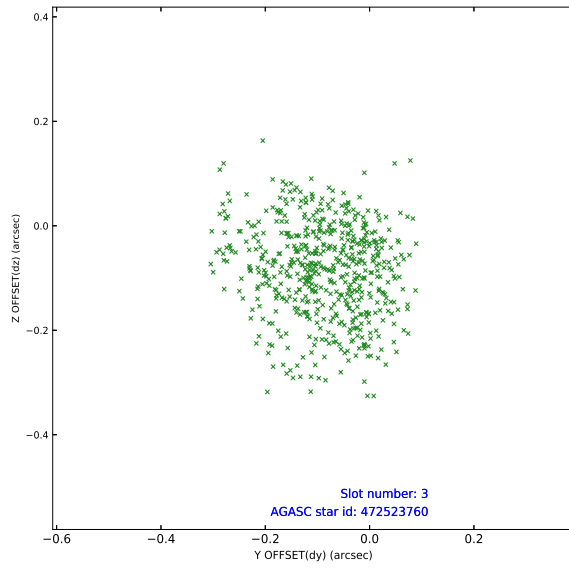


Slot Statistics

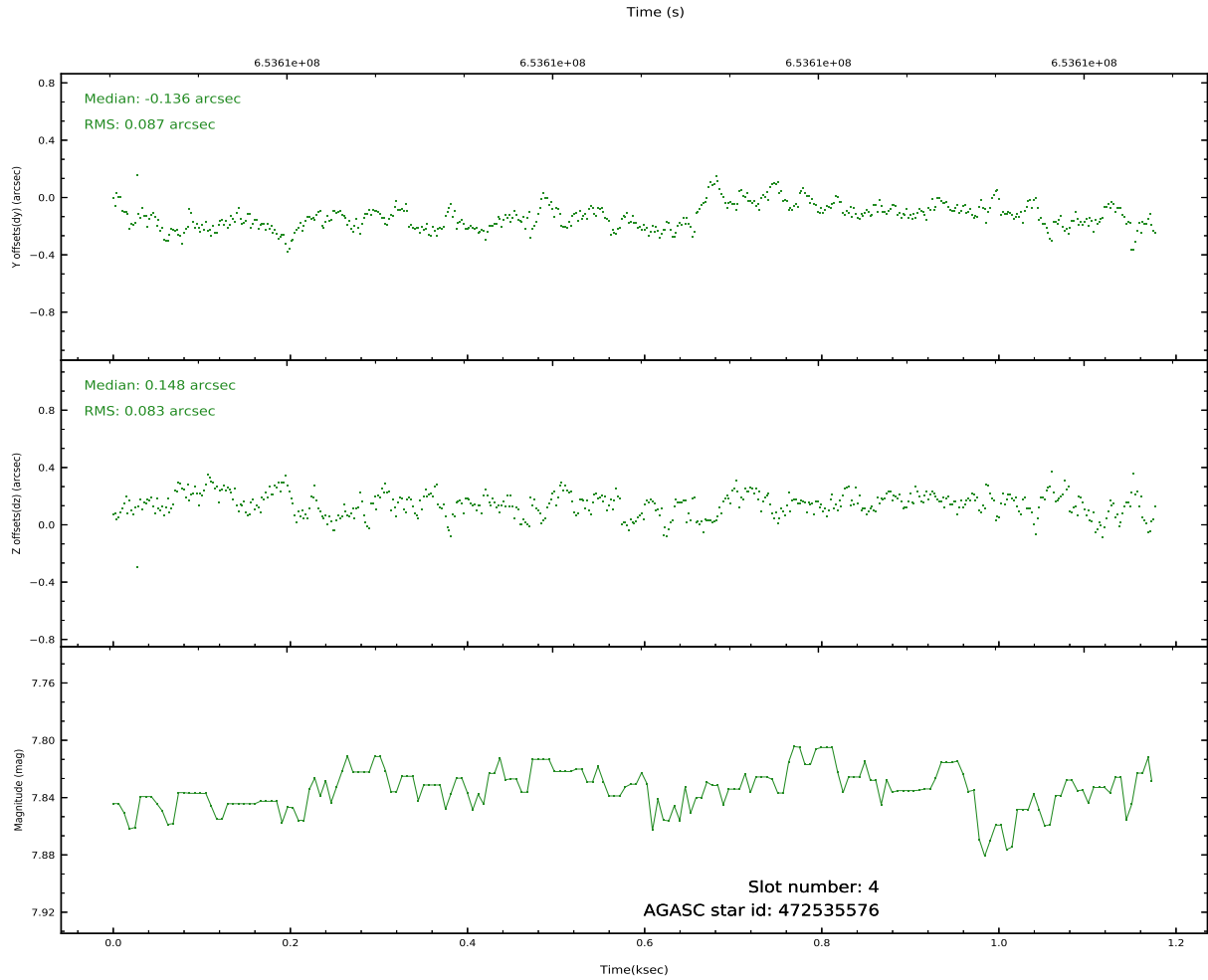
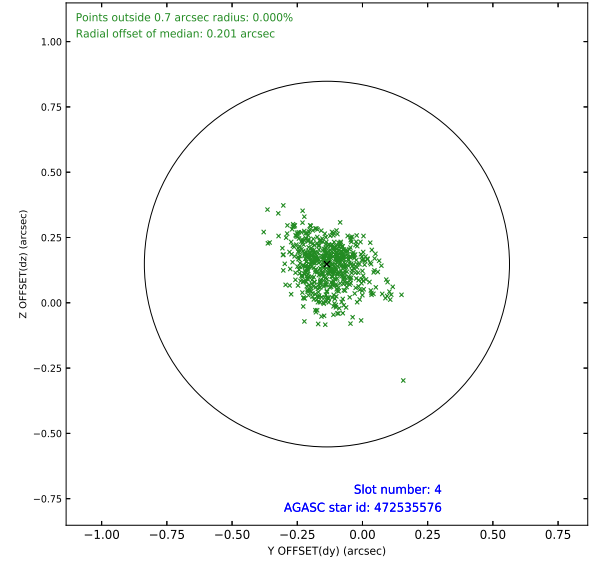
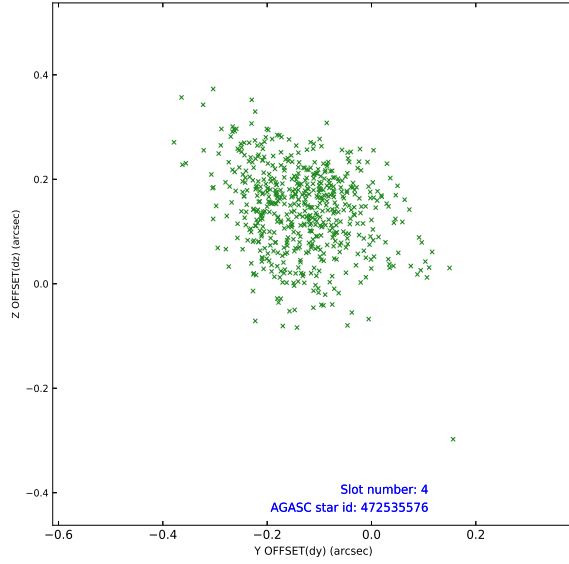
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.03	287	1.000	-0.084	0.035	0.007	0.011	0.000000	0.000000	-768.79	-1303
1	FID		HRC-I-2	7.03	287	1.000	0.317	-0.218	0.005	0.010	0.000000	0.000000	841.56	-1310
2	FID		HRC-I-3	7.09	288	1.000	-0.114	0.094	0.005	0.009	0.000000	0.000000	-1194.34	996
3	GUIDE	used	472523760	8.21	574	1.000	-0.085	-0.076	0.135	0.211	331.645363	45.403260	1814.18	678
4	GUIDE	used	472535576	7.83	575	1.000	-0.136	0.148	0.125	0.208	331.438373	46.291802	659.84	-2346
5	GUIDE	used	472665256	8.95	575	1.000	0.089	0.148	0.137	0.223	332.808125	46.195041	-2130.89	-358
6	GUIDE	used	472533912	9.10	573	1.000	0.204	-0.015	0.211	0.381	331.791136	46.368695	-244.16	-2148
7	GUIDE	used	472655152	9.40	572	1.000	-0.061	-0.216	0.226	0.402	332.504239	45.862991	-884.71	311

2.4 Star Slots

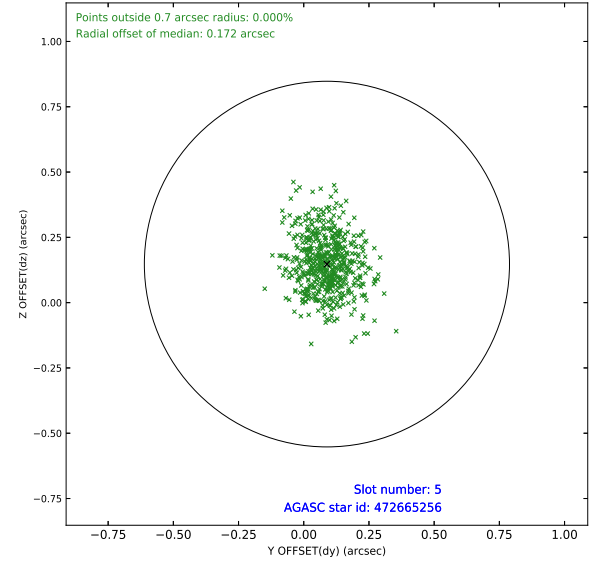
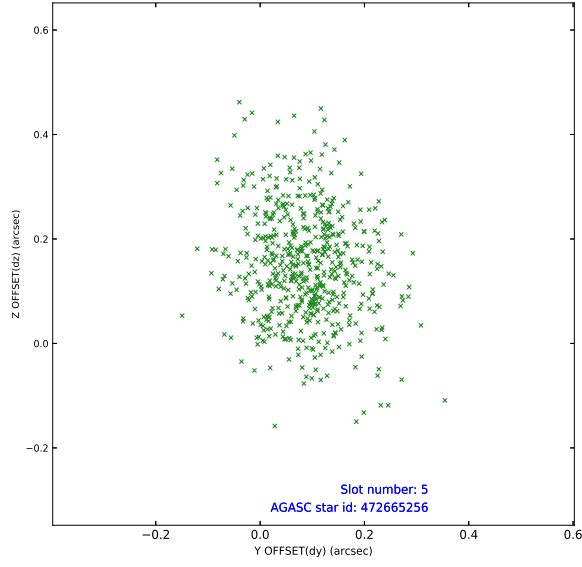
2.4.1 Slot 3



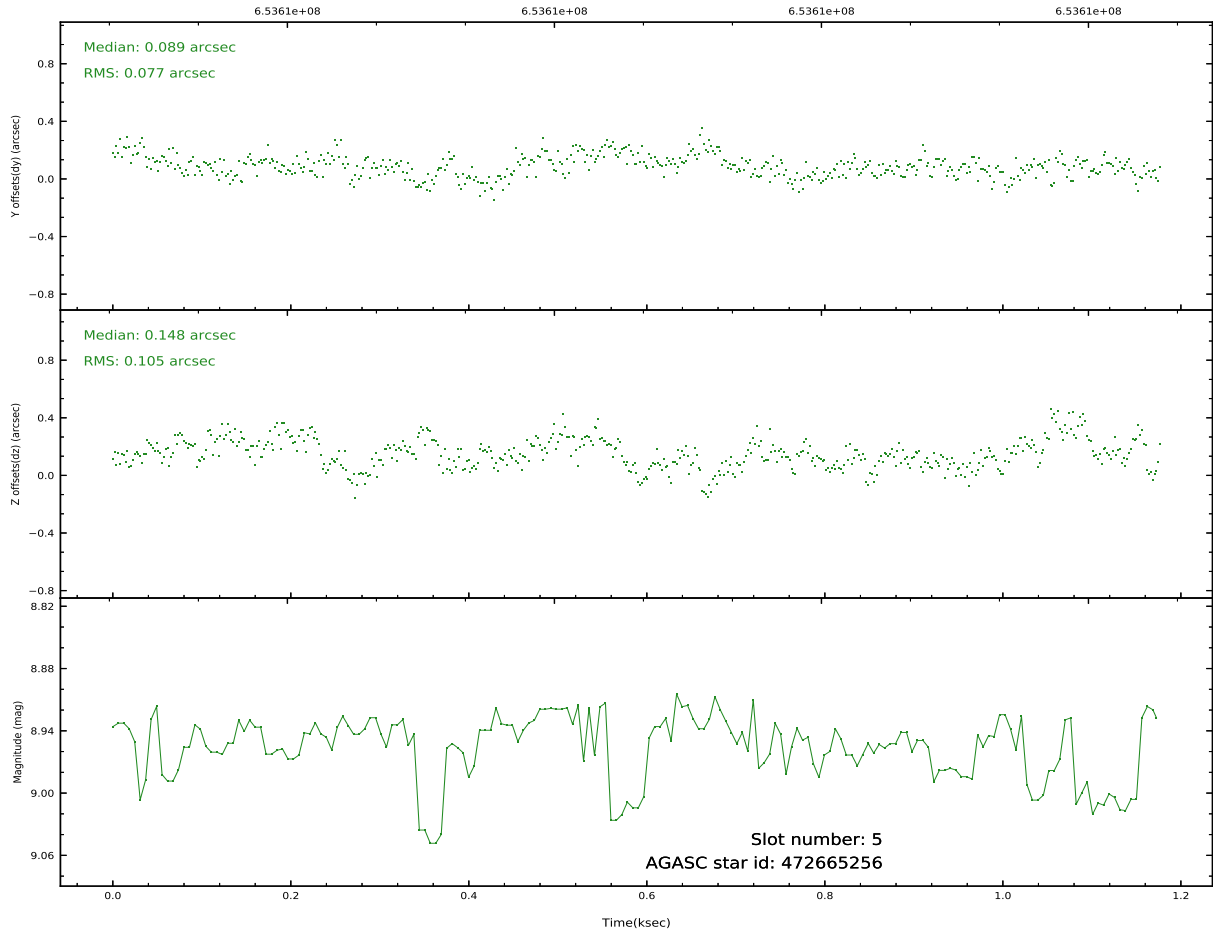
2.4.2 Slot 4



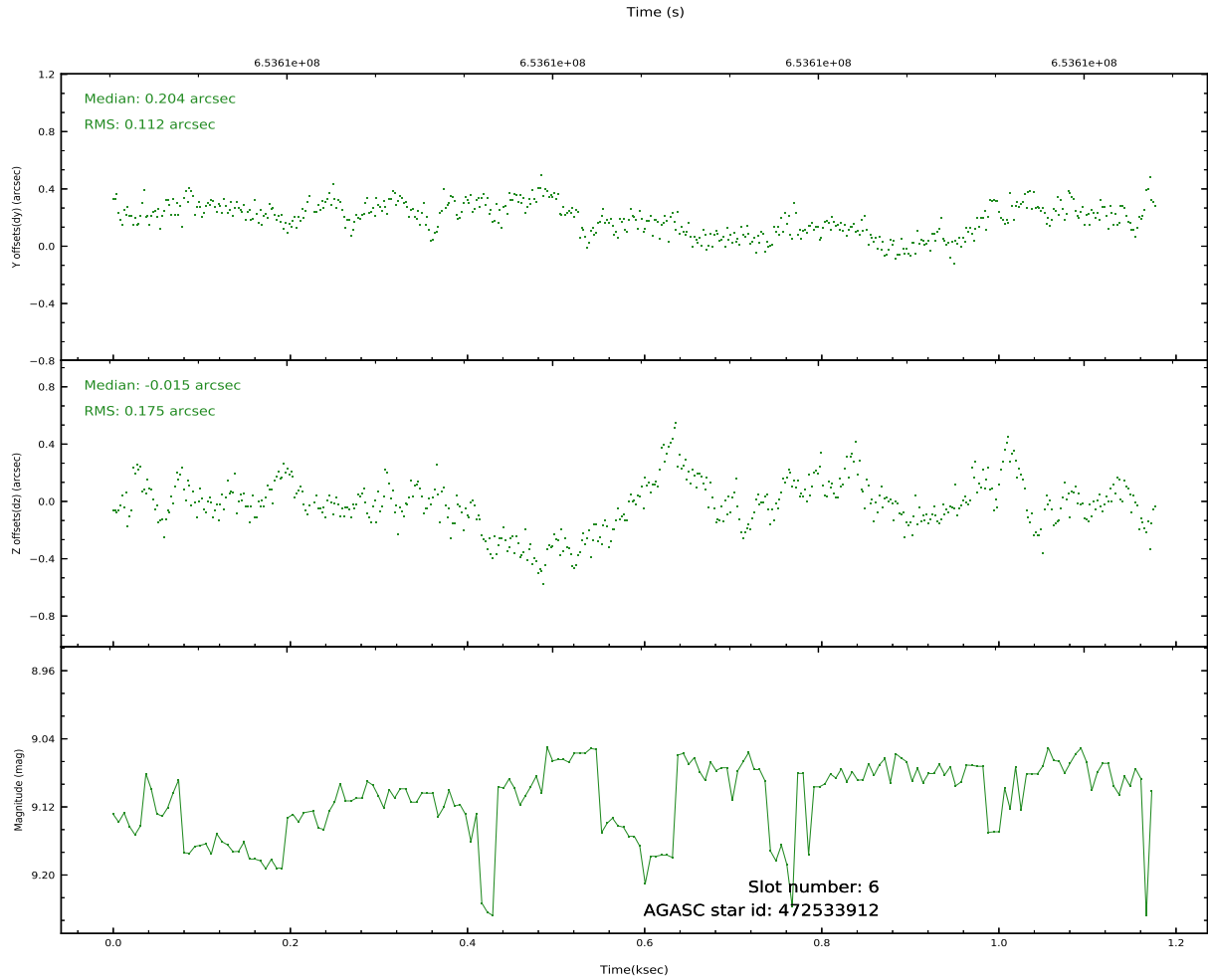
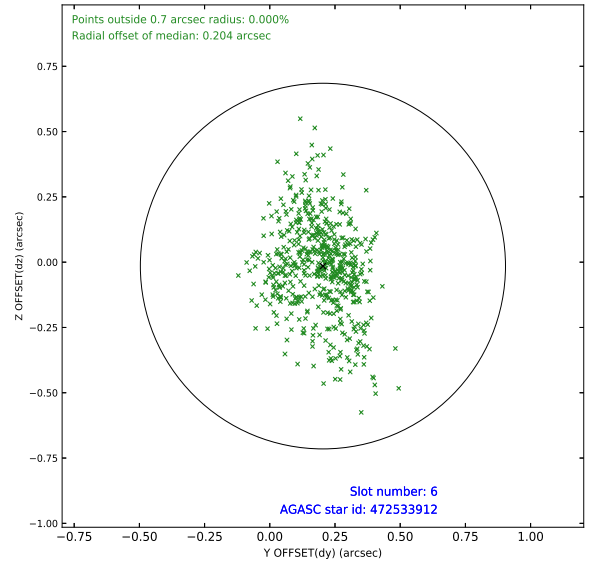
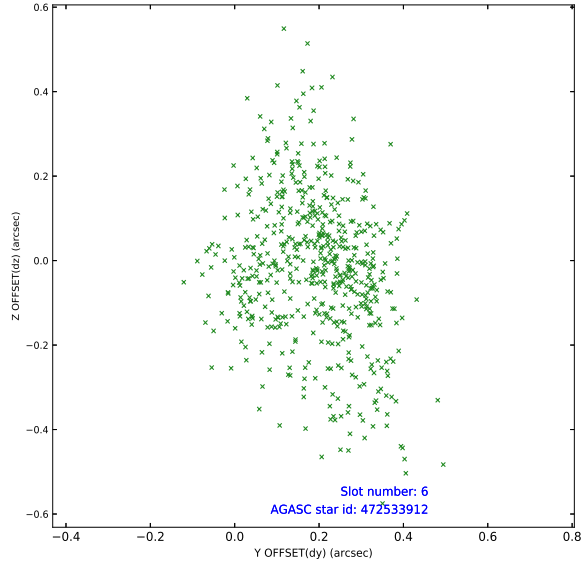
2.4.3 Slot 5



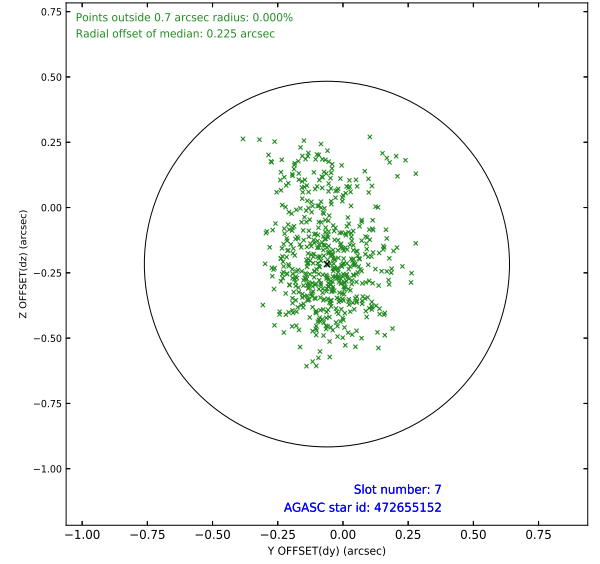
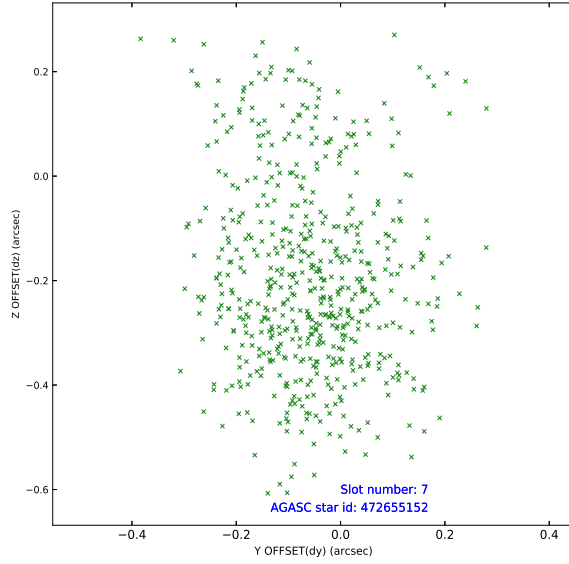
Time (s)



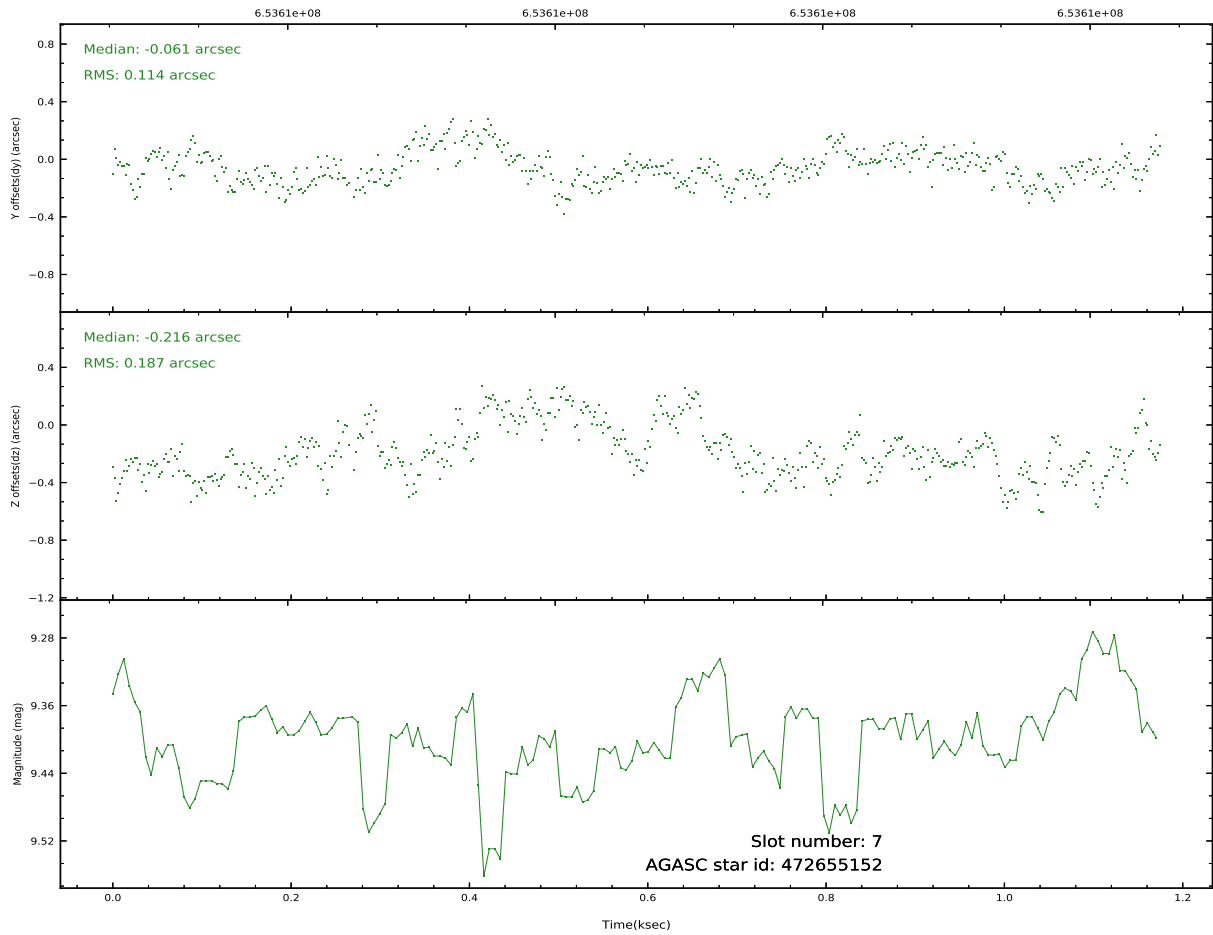
2.4.4 Slot 6



2.4.5 Slot 7

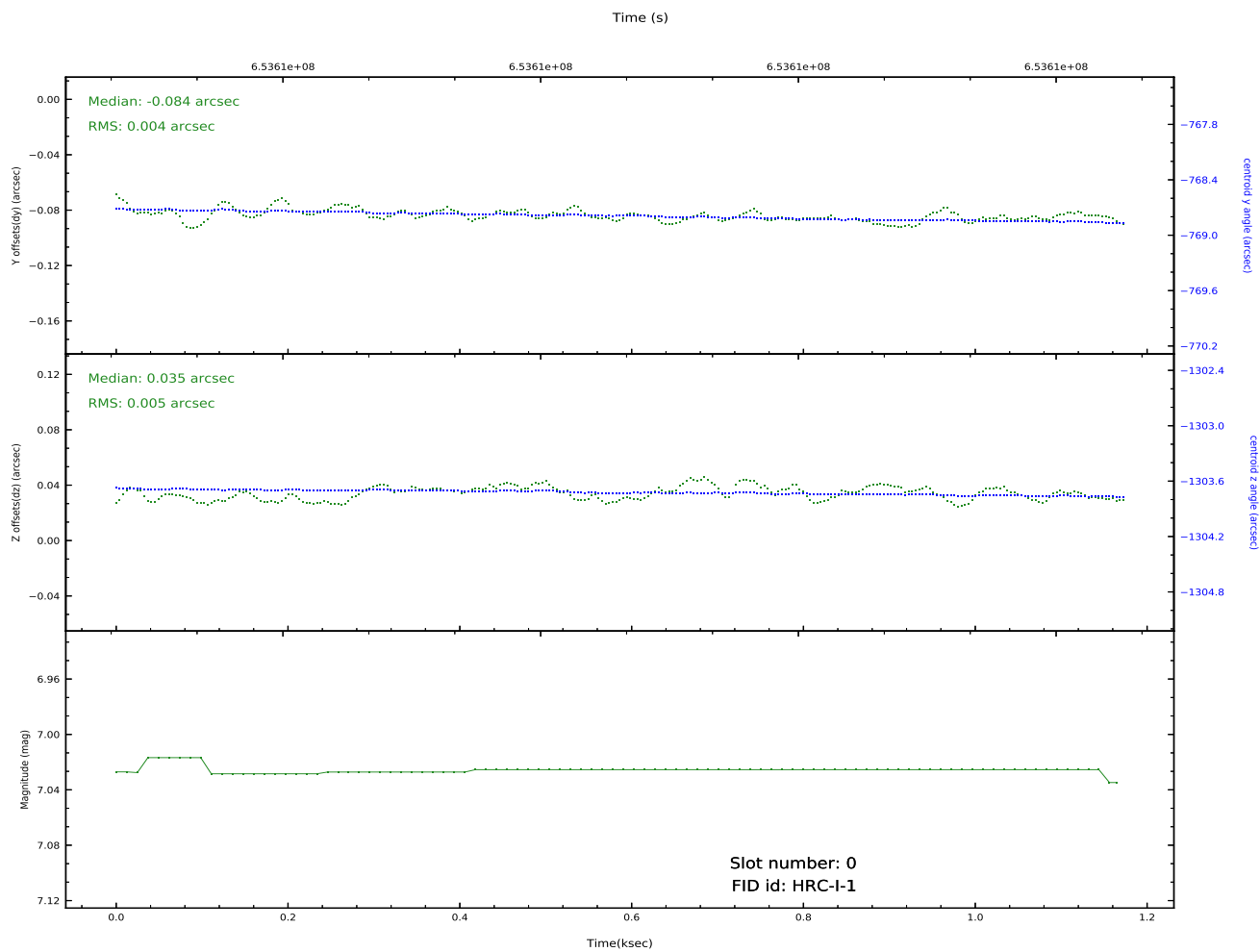
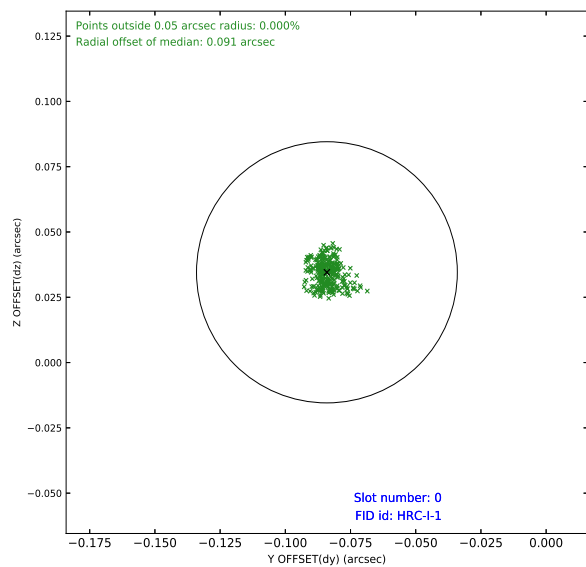
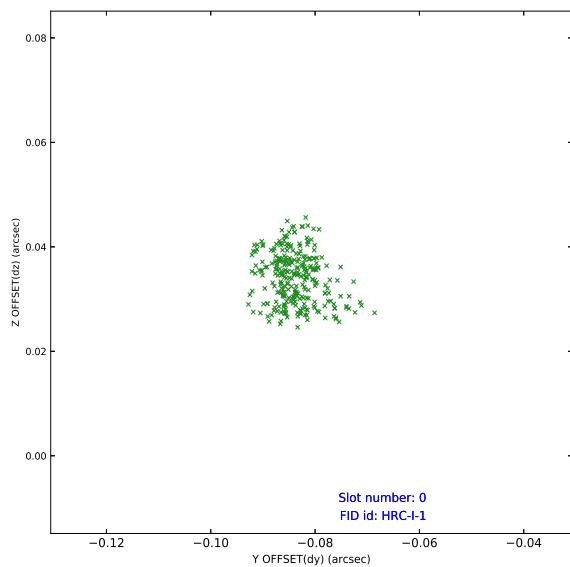


Time (s)

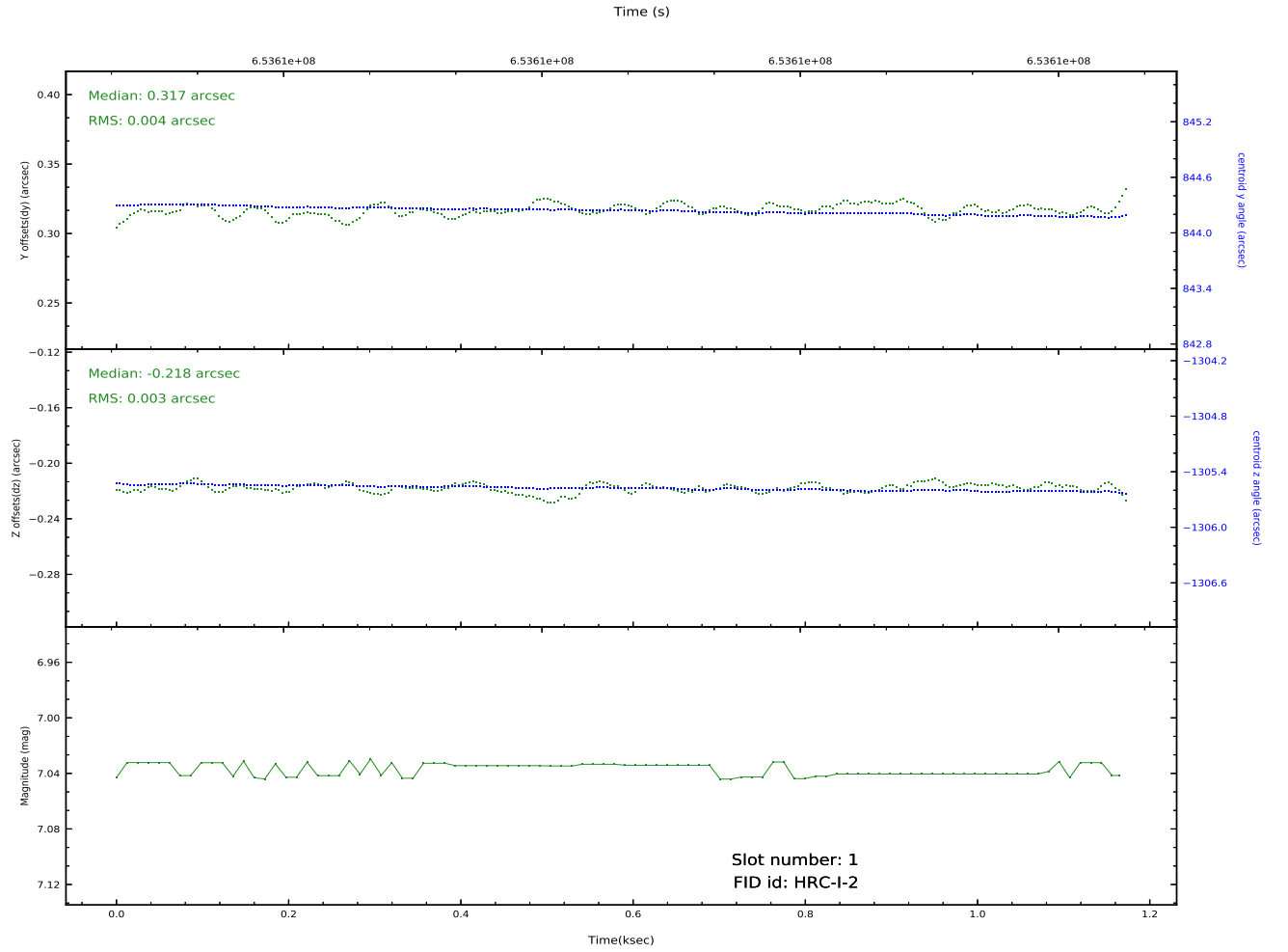
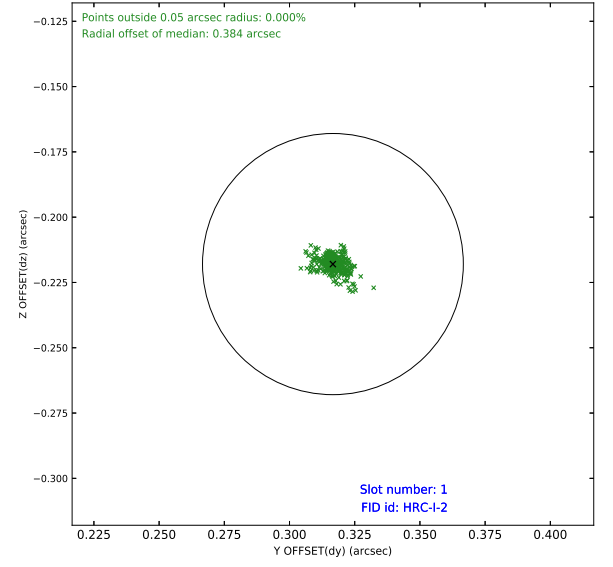
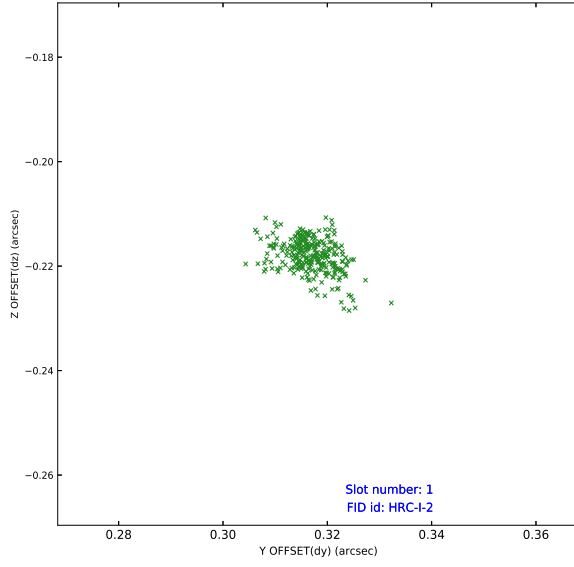


2.5 FID Slots

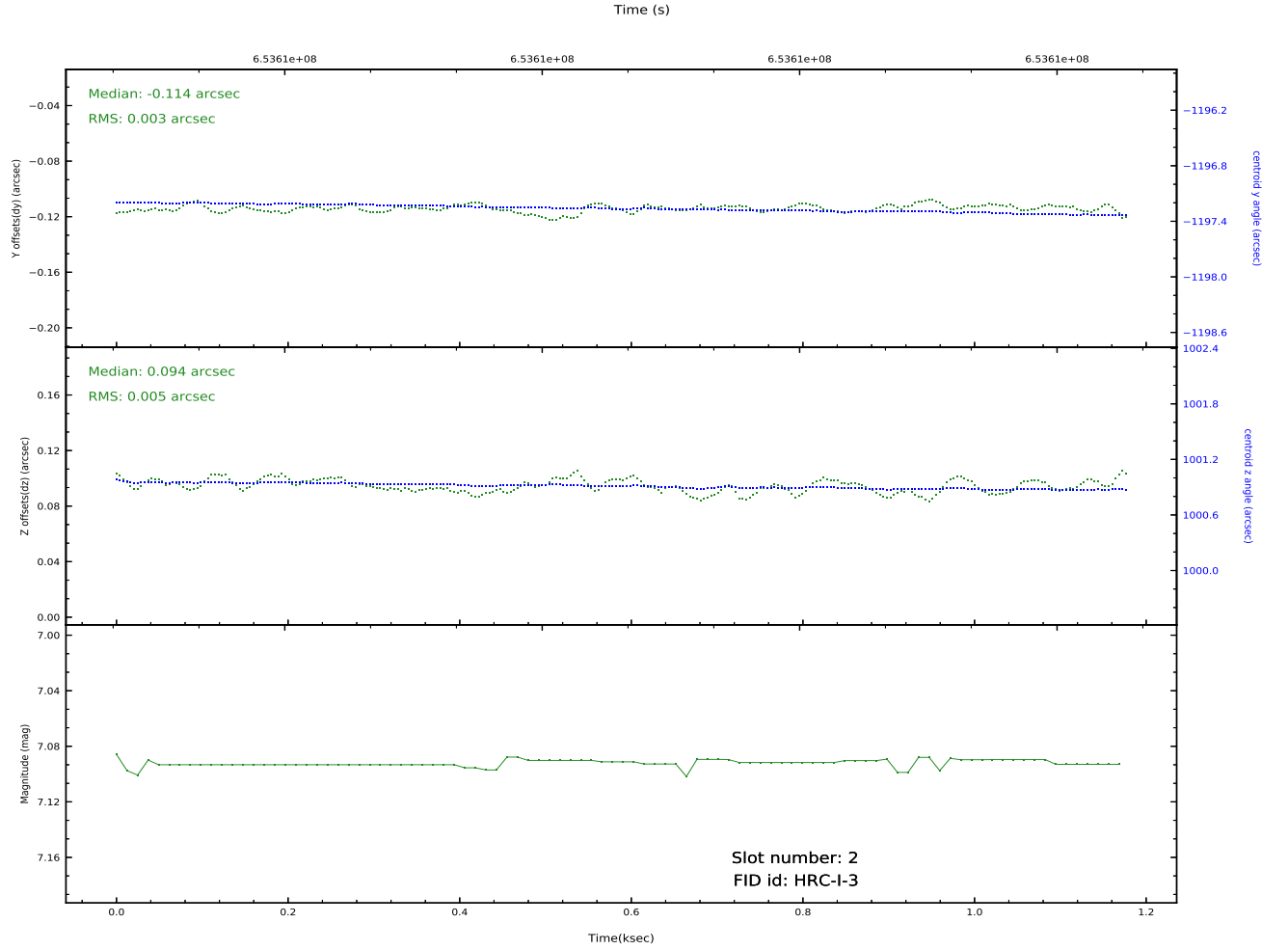
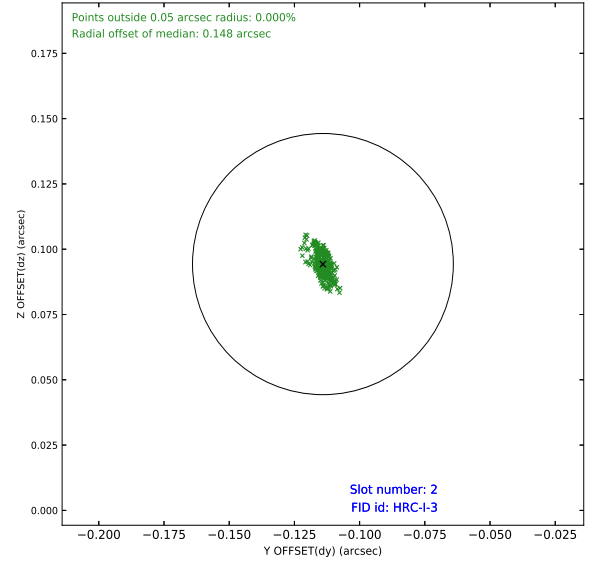
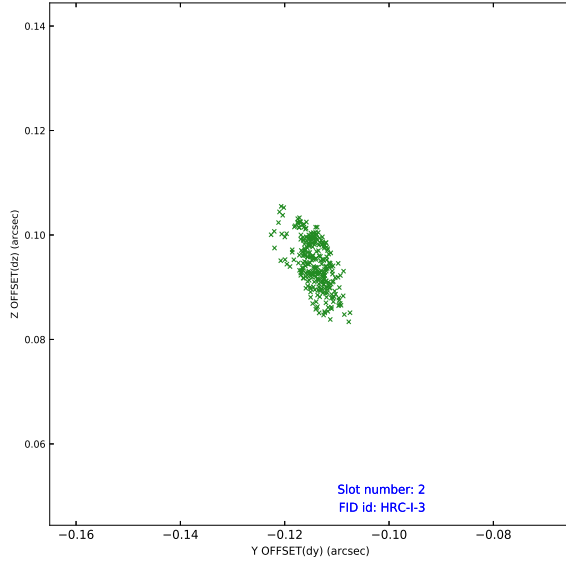
2.5.1 Slot 0



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	1.1756750700474

A.2 Comments