

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5346 - L2 Version 5
Chandra X-Ray Center

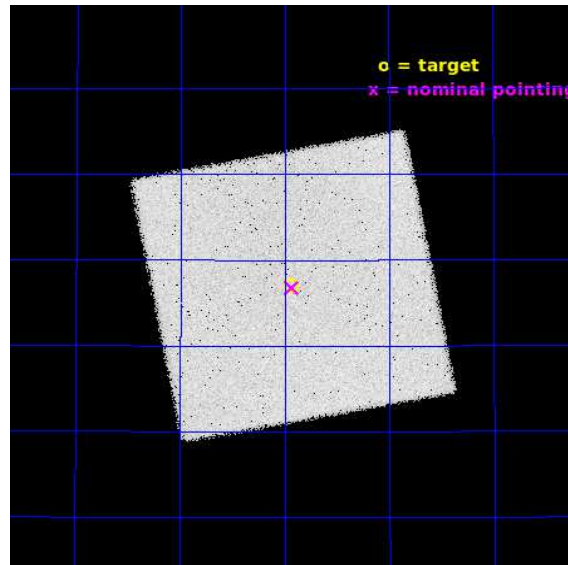
L2 Processing Date : Oct 4 2020

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1 Front

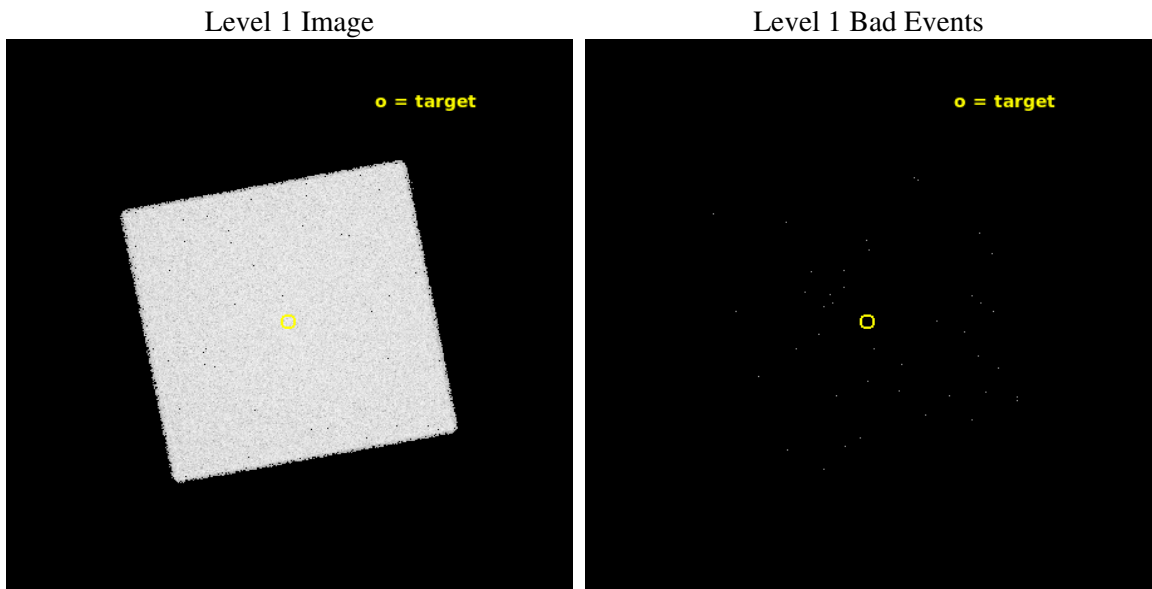
seq_num	290443	Sequence number
obs_id	5346	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.2326522773	Nominal RA [deg]
dec_nom	38.779768620556	Nominal Dec [deg]
roll_nom	304.27745846876	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3182.8813927174	[s]
livetime	3081.0214785974	Ontime multiplied by DTCOR
l2events	259232	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3182.8813927174	[s]
caldsver	4.9.2	 	l1events	480970	Number of level 1 events
date	2020-10-05T00:18:12	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

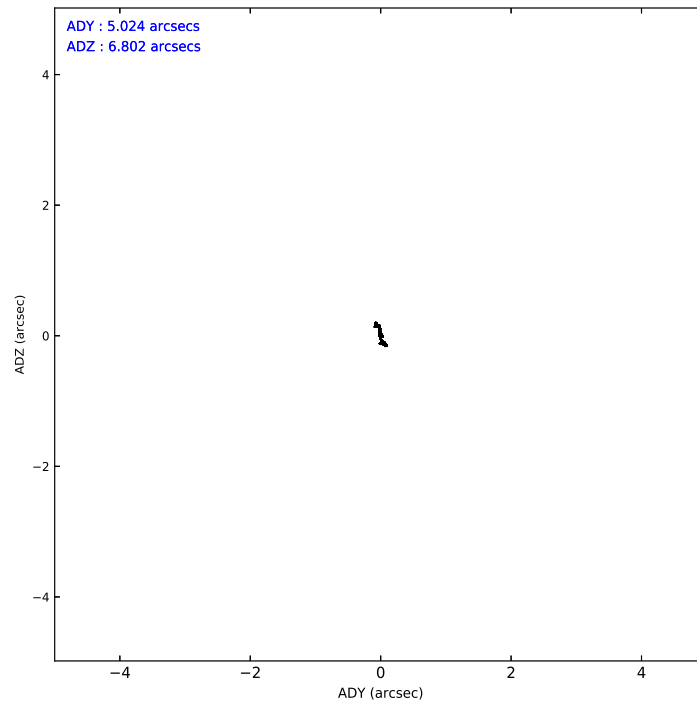
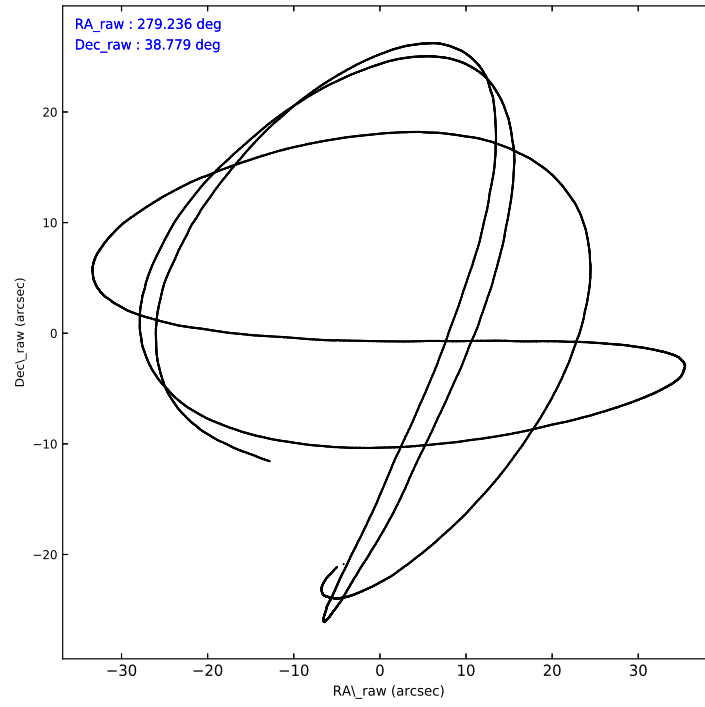
	segment 0
level 1 events	480970
rejected events	112381
rejected %	23%

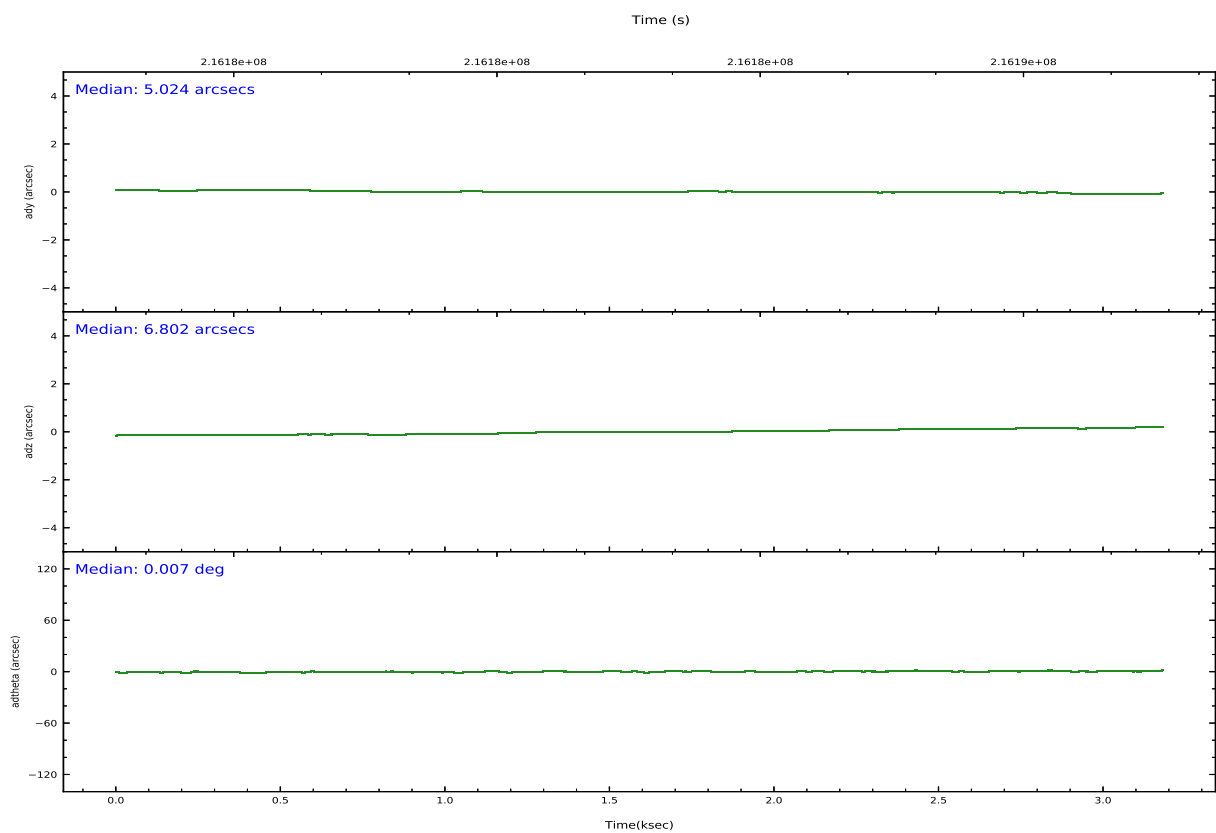
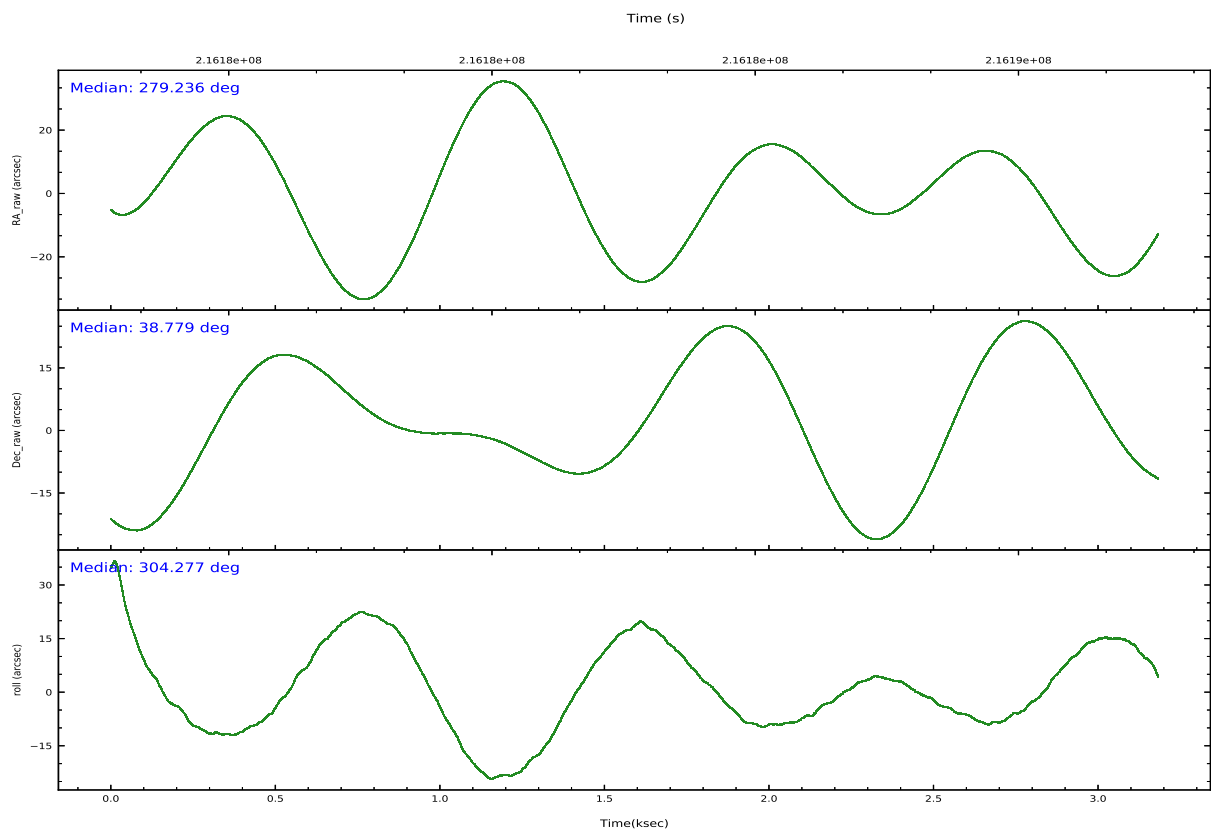
2.2 Compared Parameters

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	279.204403	279.2326522773
[deg] Pointing Dec	38.790880	38.779768620556
[deg] Pointing Roll	304.410649	304.27745846876
[s] Window start time (MET)	215654464.184000	215654464.184000
[s] Window stop time (MET)	218246404.184000	218246404.184000
[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)	216183024.184000	216181795.34876
Observation start date	2004-11-07T02:49:20	2004-11-07T02:29:55
[s] Observation end time (MET)	216186024.184000	216186158.26145
Observation end date	2004-11-07T03:39:20	2004-11-07T03:42:38

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

2.3 Aspect



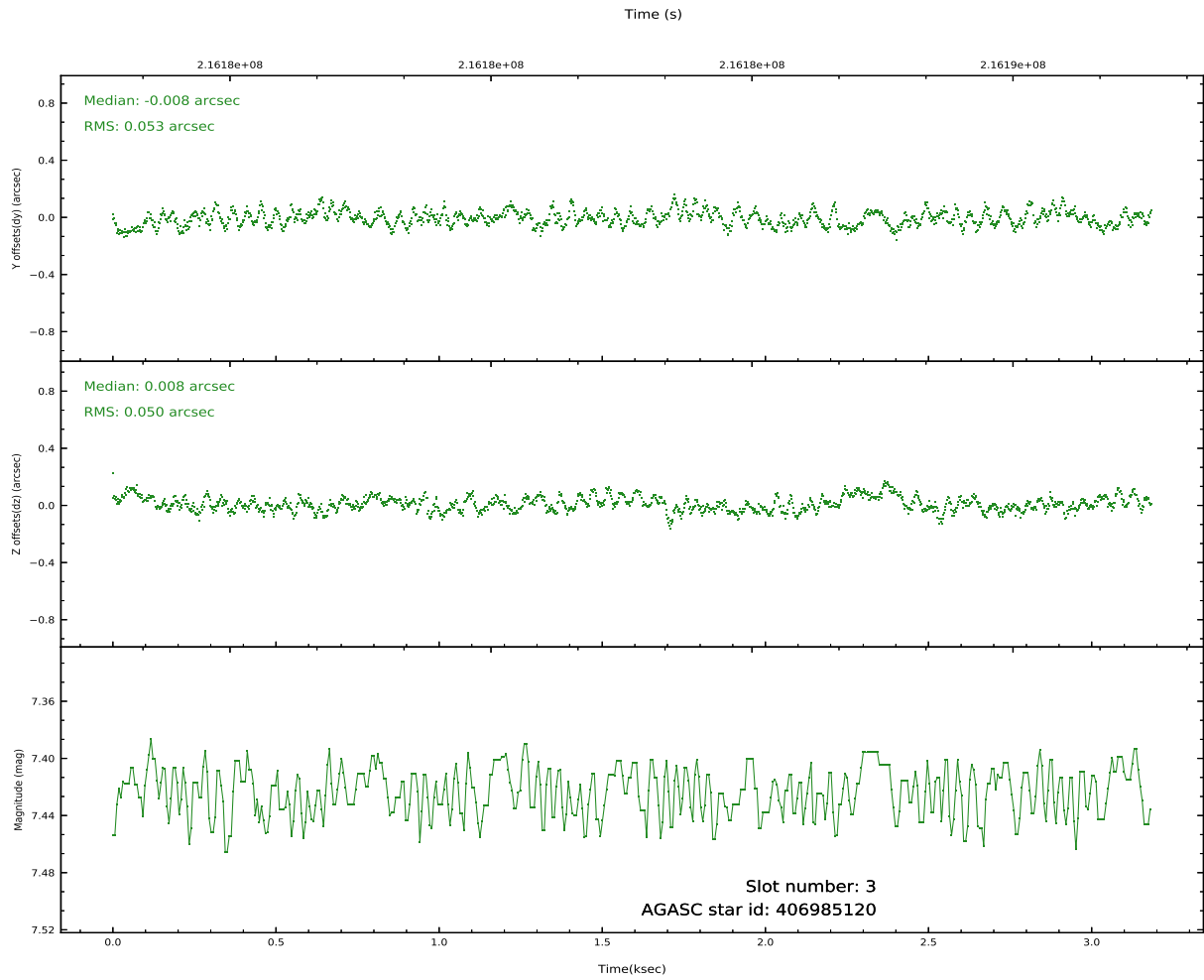
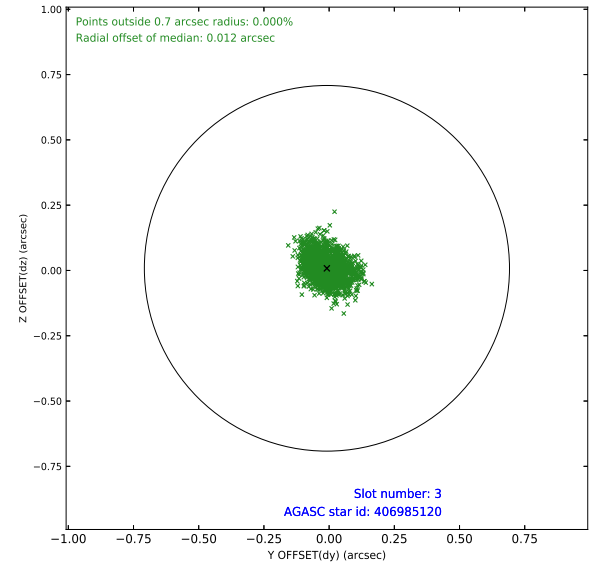
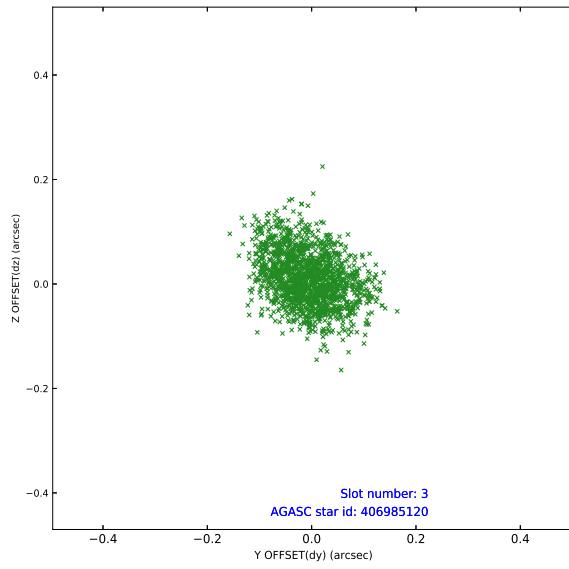


Slot Statistics

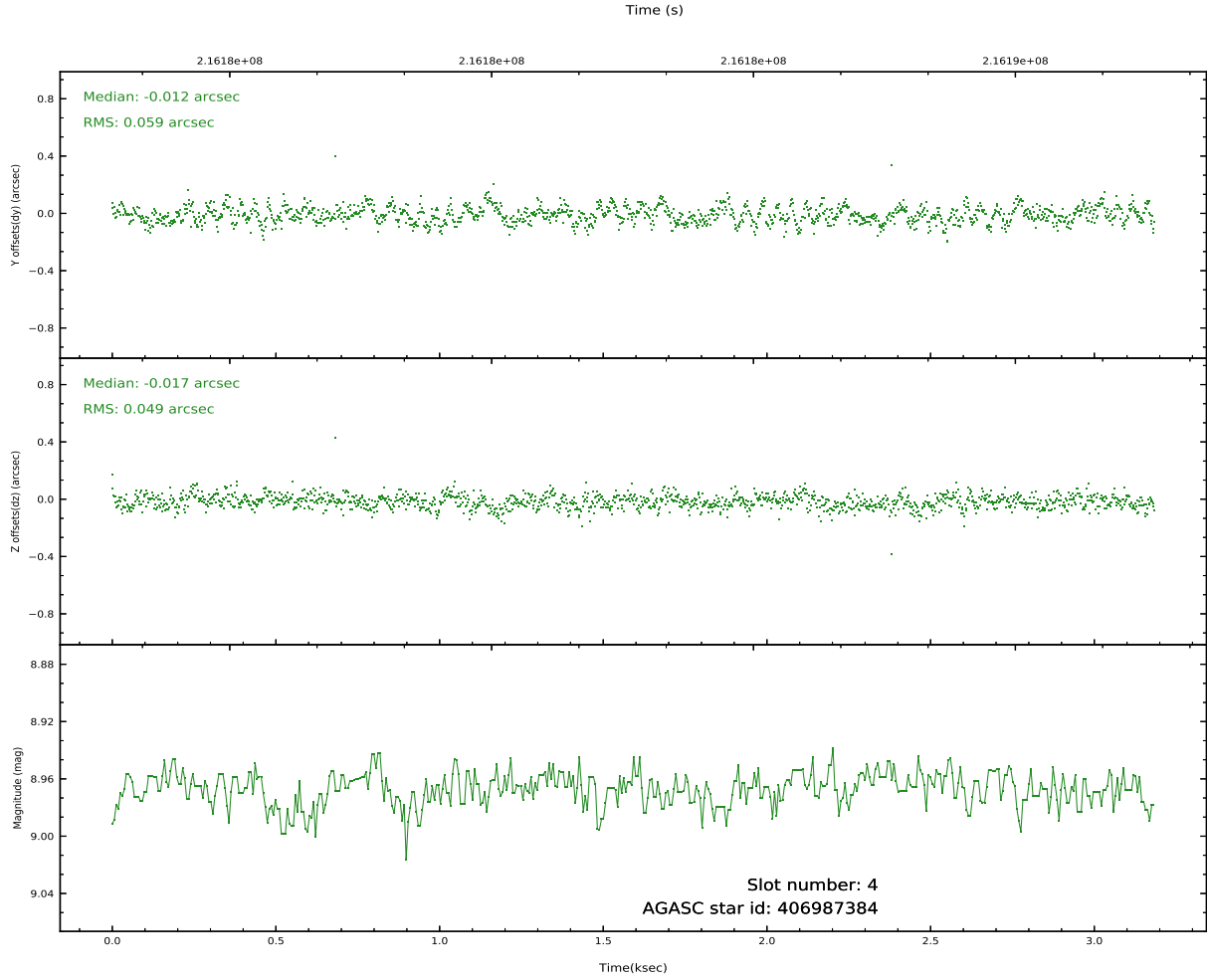
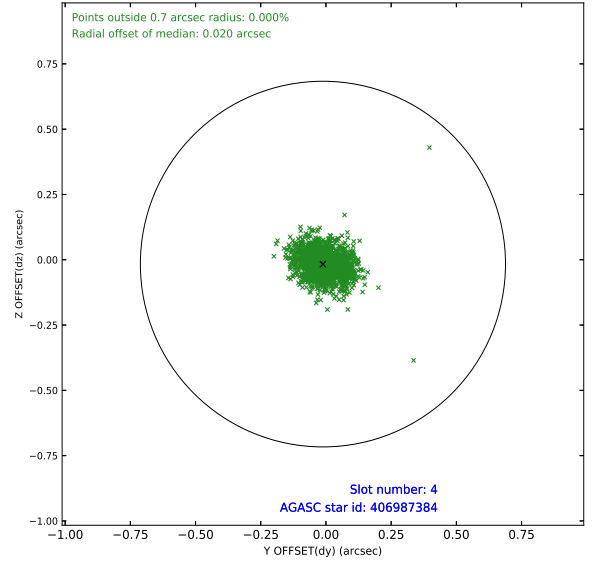
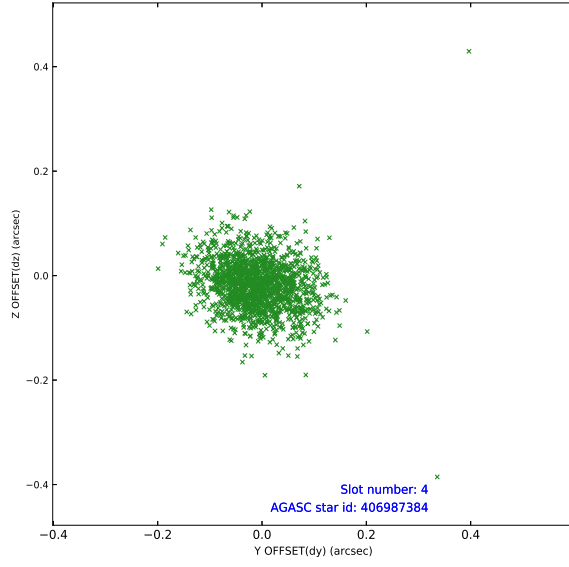
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.01	777	1.000	0.078	-0.070	0.010	0.017	0.000000	0.000000	852.18	-1296
1	FID		HRC-I-3	7.05	777	1.000	-0.090	0.014	0.010	0.016	0.000000	0.000000	-1188.06	1008
2	FID		HRC-I-4	7.00	777	1.000	0.130	-0.031	0.007	0.011	0.000000	0.000000	1280.82	1008
3	GUIDE	used	406985120	7.42	1554	1.000	-0.008	0.008	0.079	0.127	278.839732	38.894839	-887.26	-629
4	GUIDE	used	406987384	8.97	1553	1.000	-0.012	-0.017	0.078	0.130	278.815518	38.115336	1382.36	-2281
5	GUIDE	used	406990192	9.00	1553	1.000	0.033	-0.113	0.086	0.136	278.510952	38.533654	-343.86	-2131
6	GUIDE	used	406983600	8.91	1550	1.000	-0.019	0.041	0.101	0.154	279.940957	39.020708	475.16	2171
7	GUIDE	used	407521232	8.65	1553	1.000	0.000	0.080	0.105	0.162	279.628883	39.431715	-1238.16	2281

2.4 Star Slots

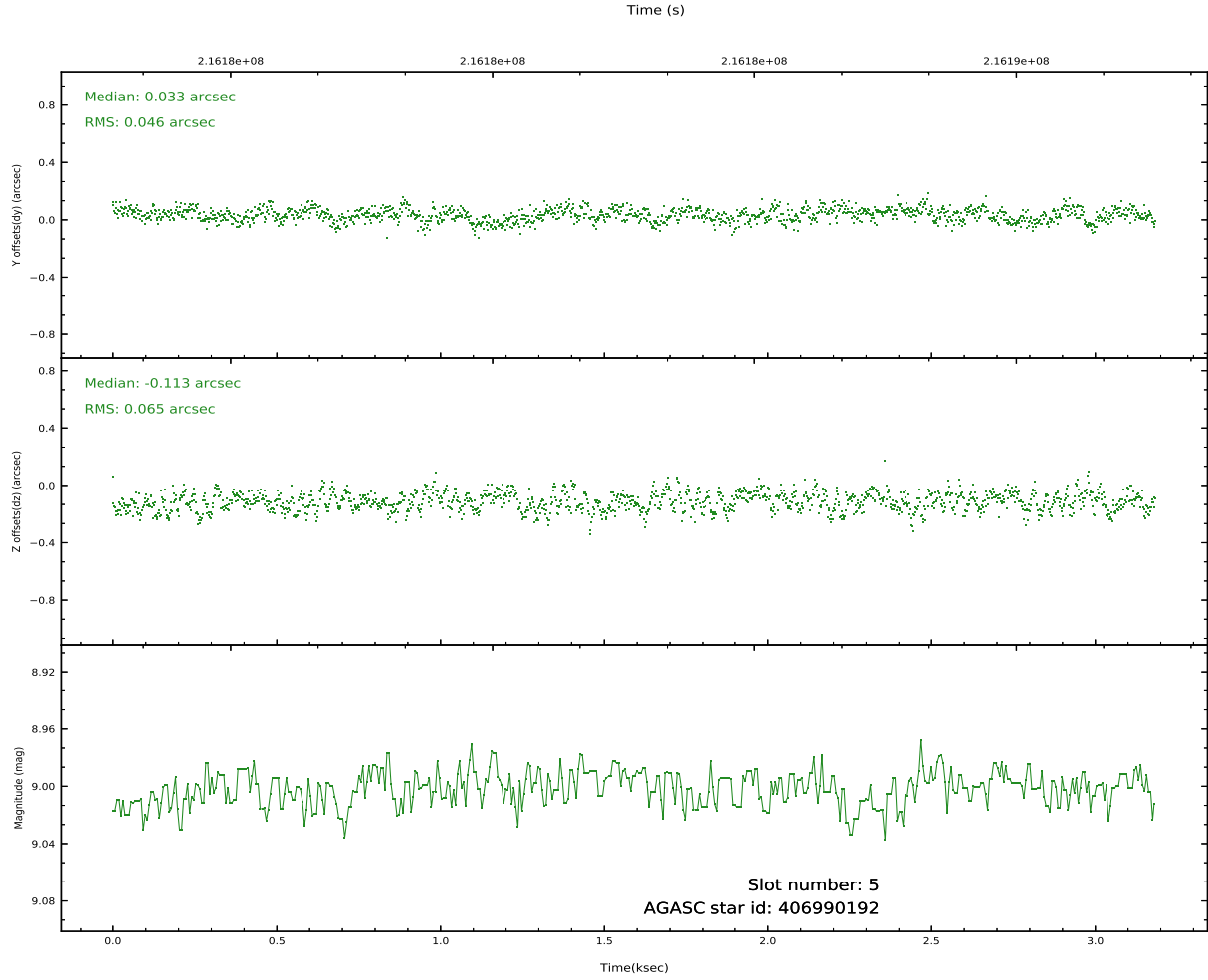
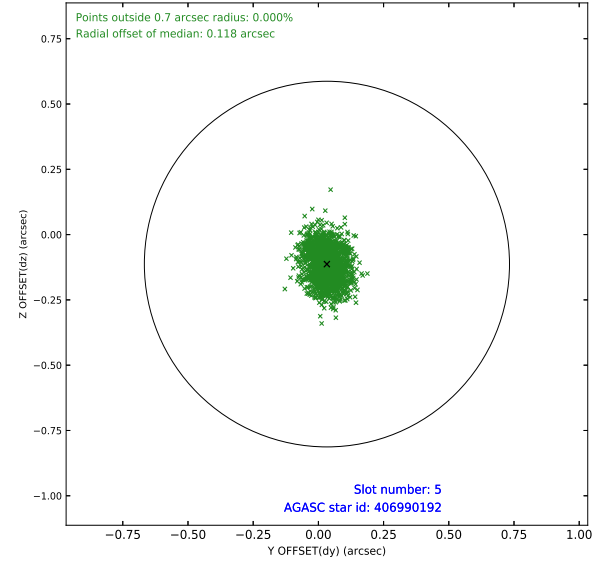
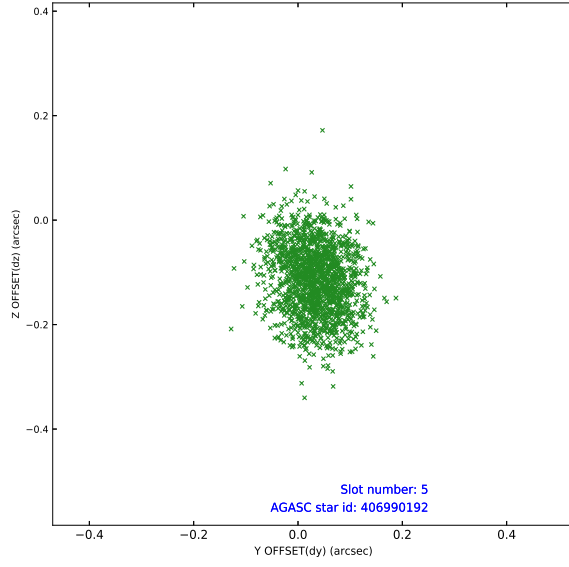
2.4.1 Slot 3



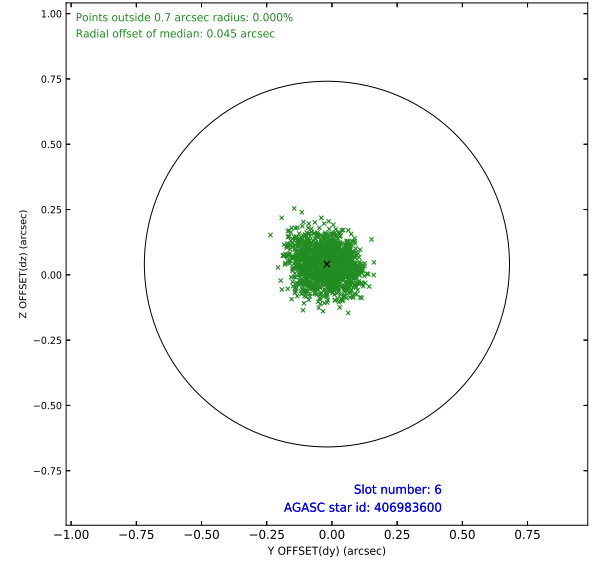
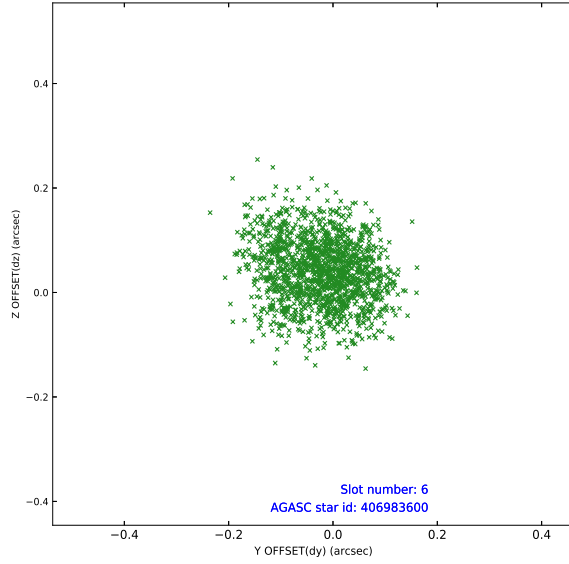
2.4.2 Slot 4



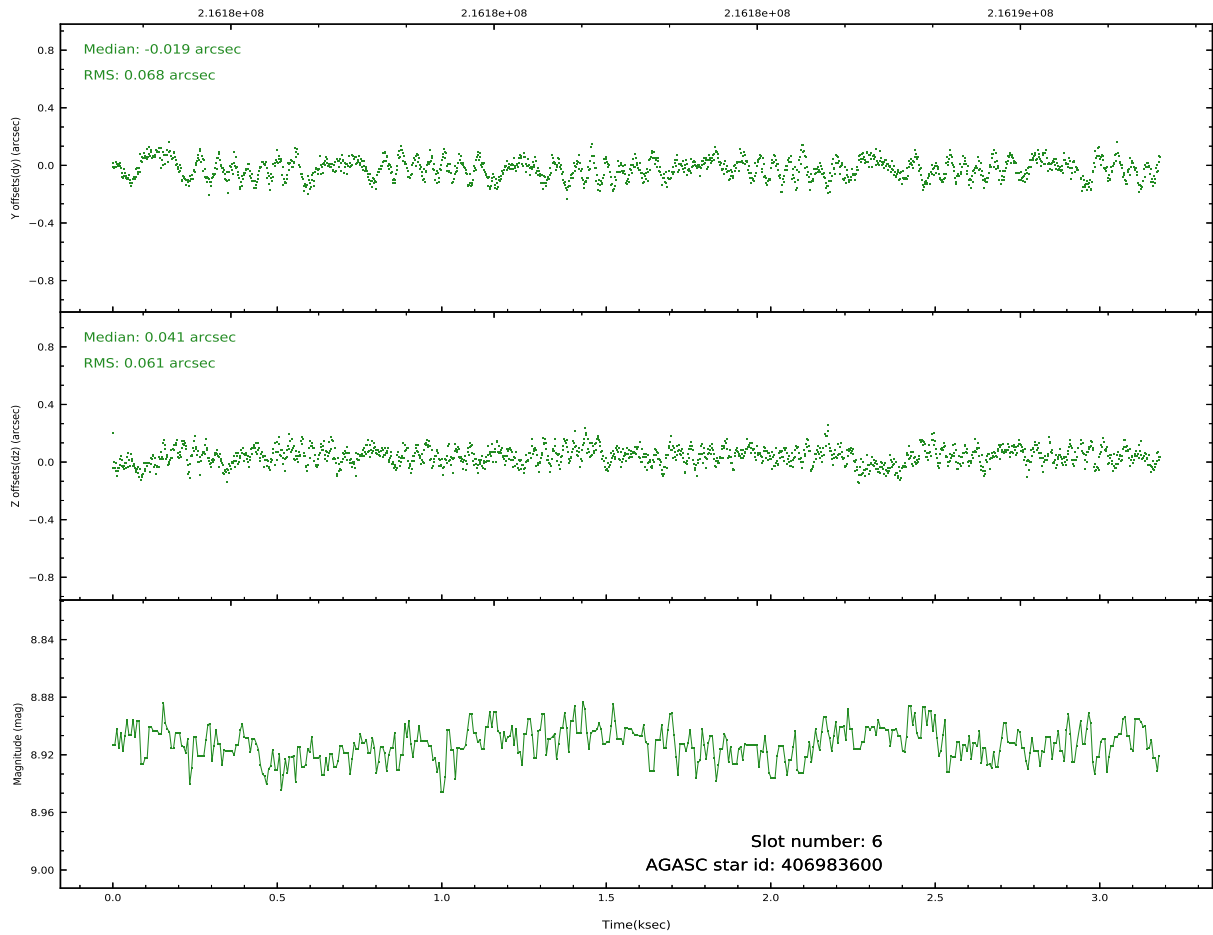
2.4.3 Slot 5



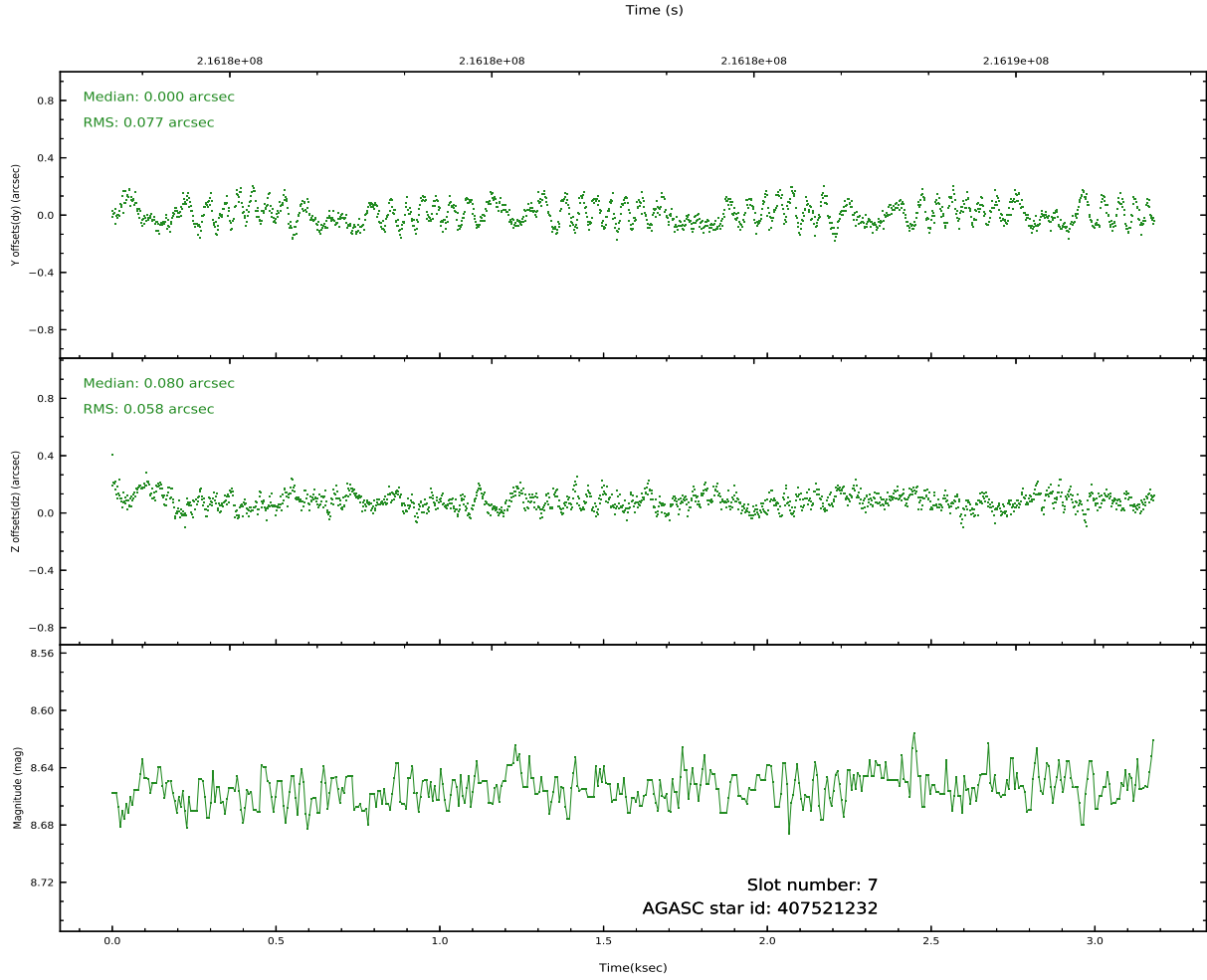
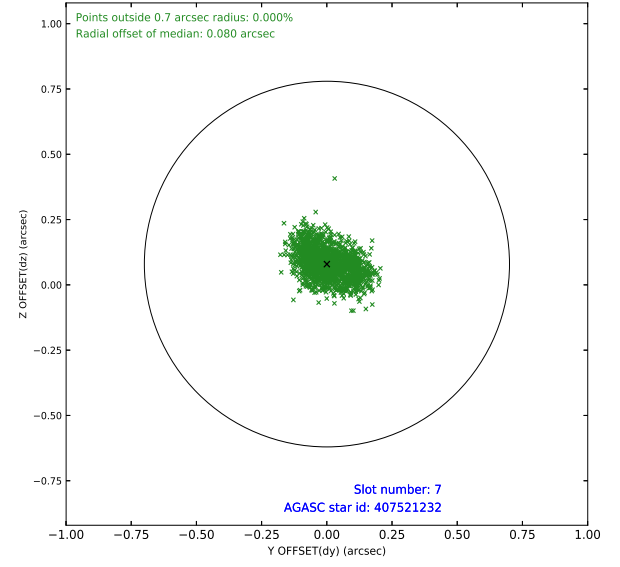
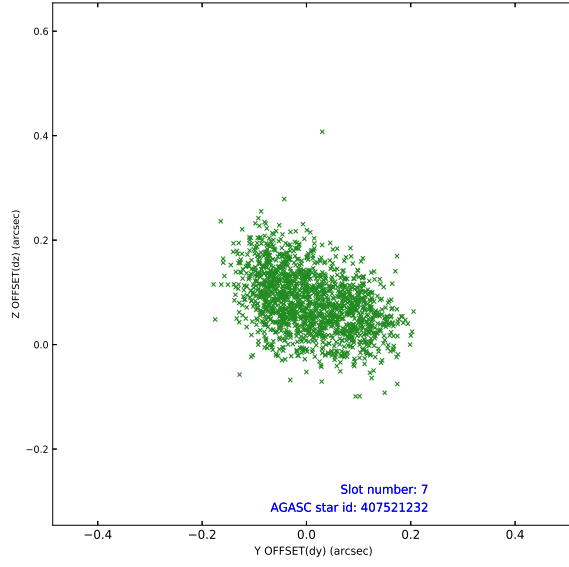
2.4.4 Slot 6



Time (s)

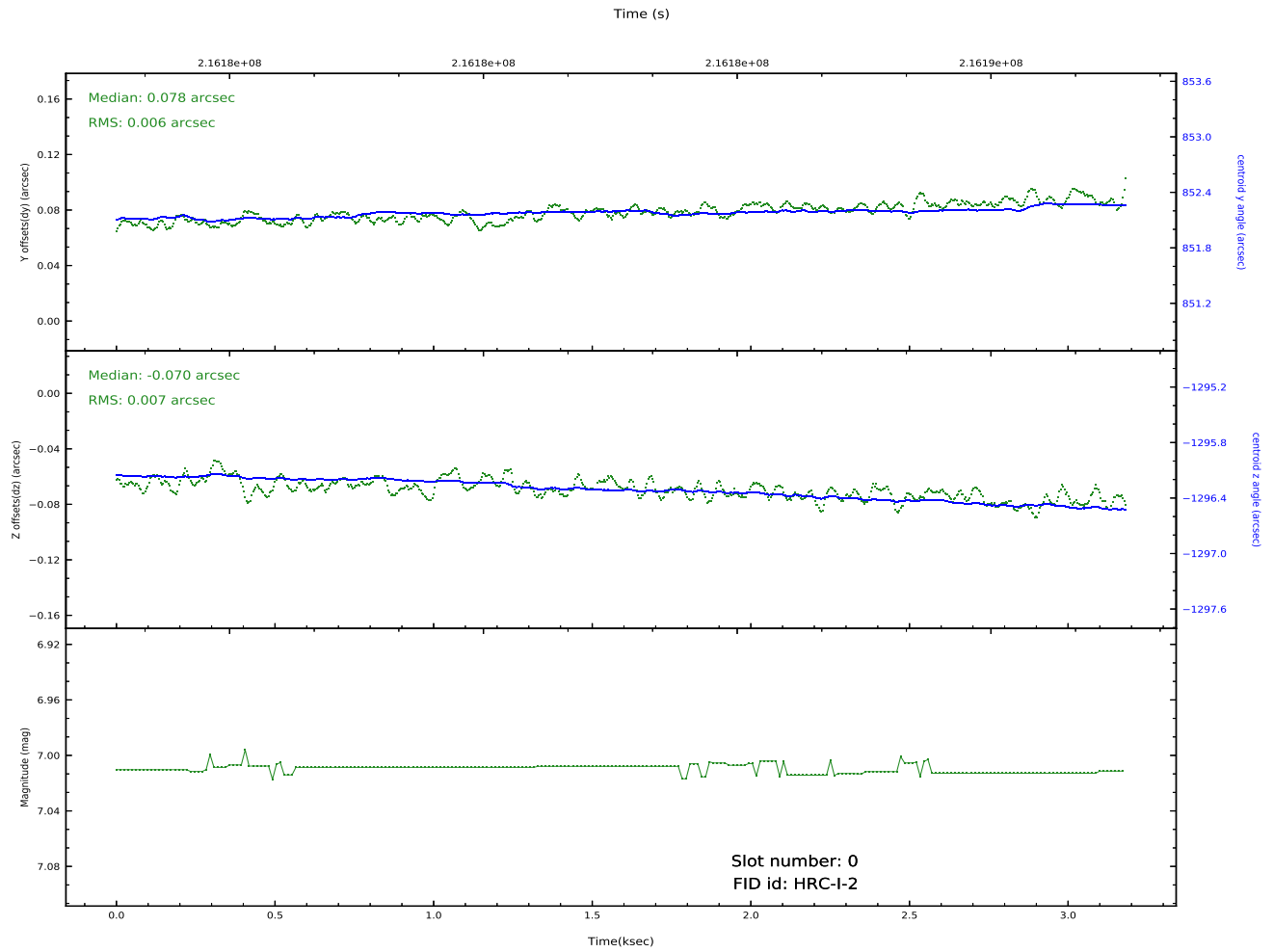
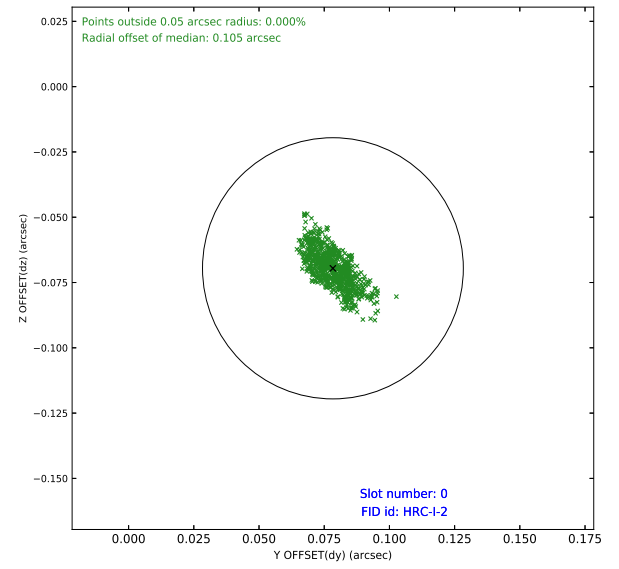
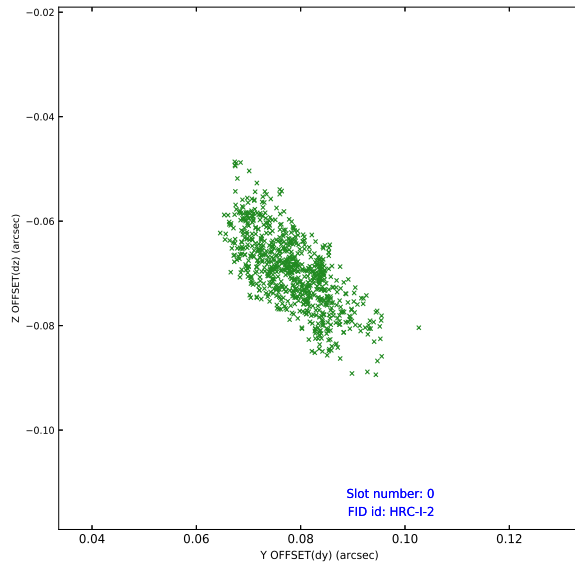


2.4.5 Slot 7

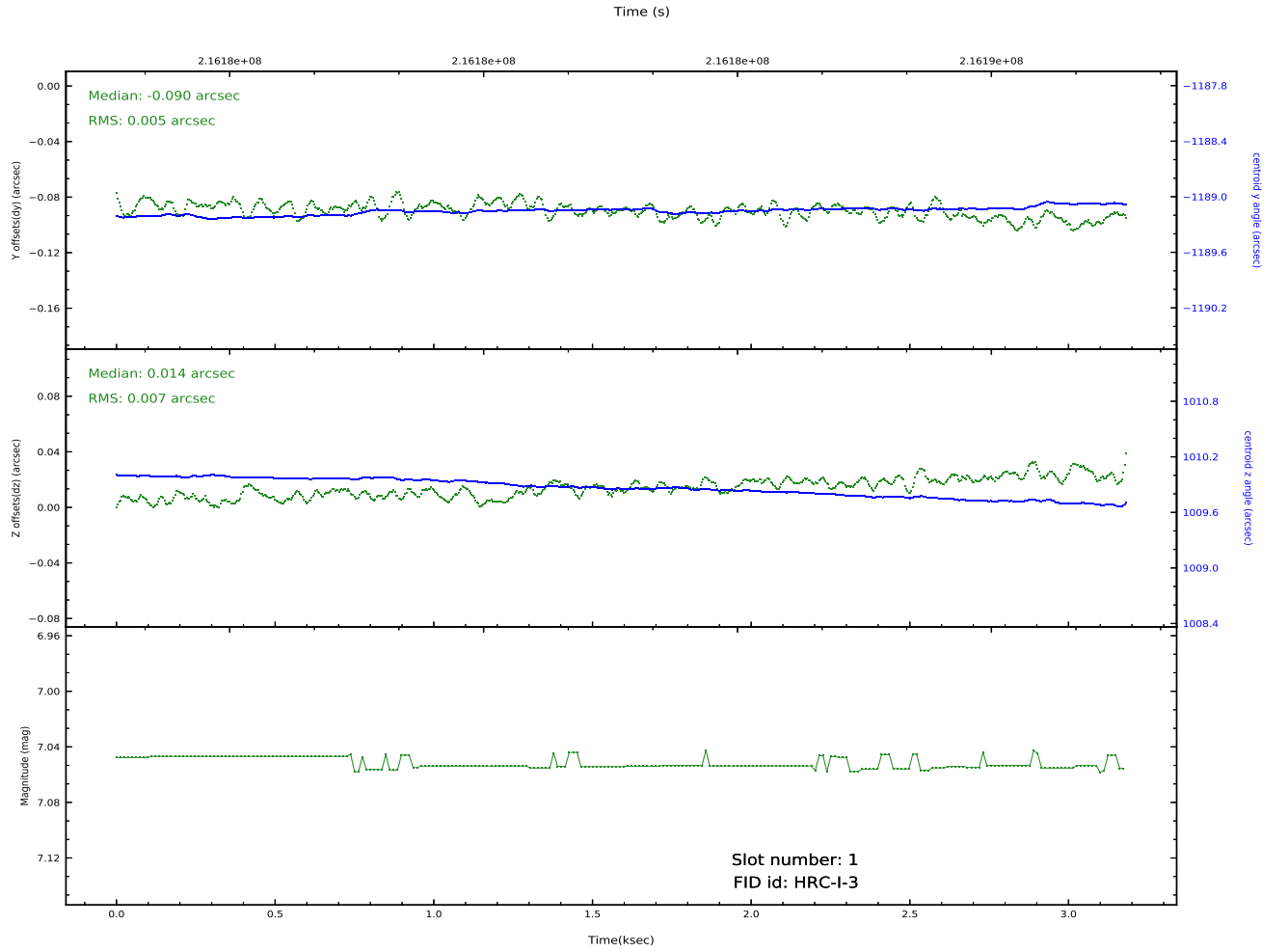
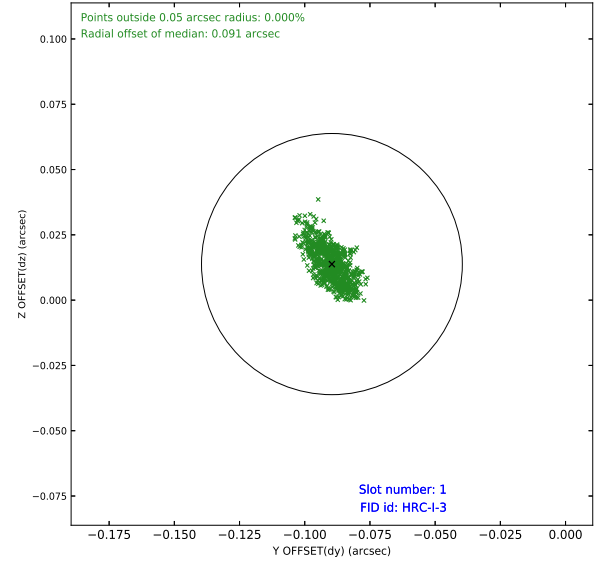
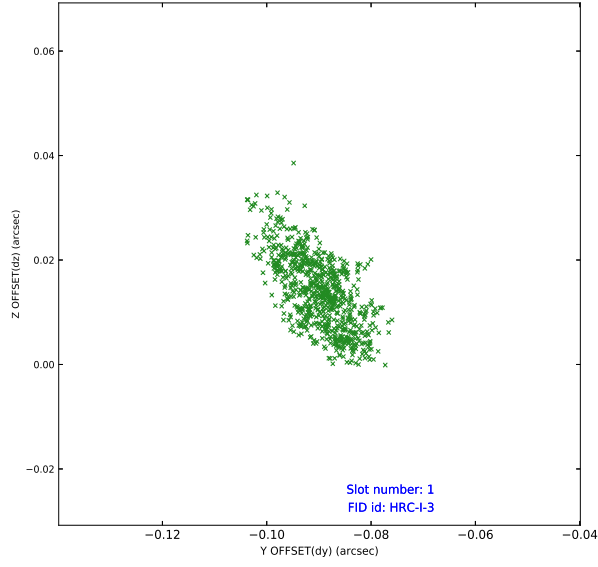


2.5 FID Slots

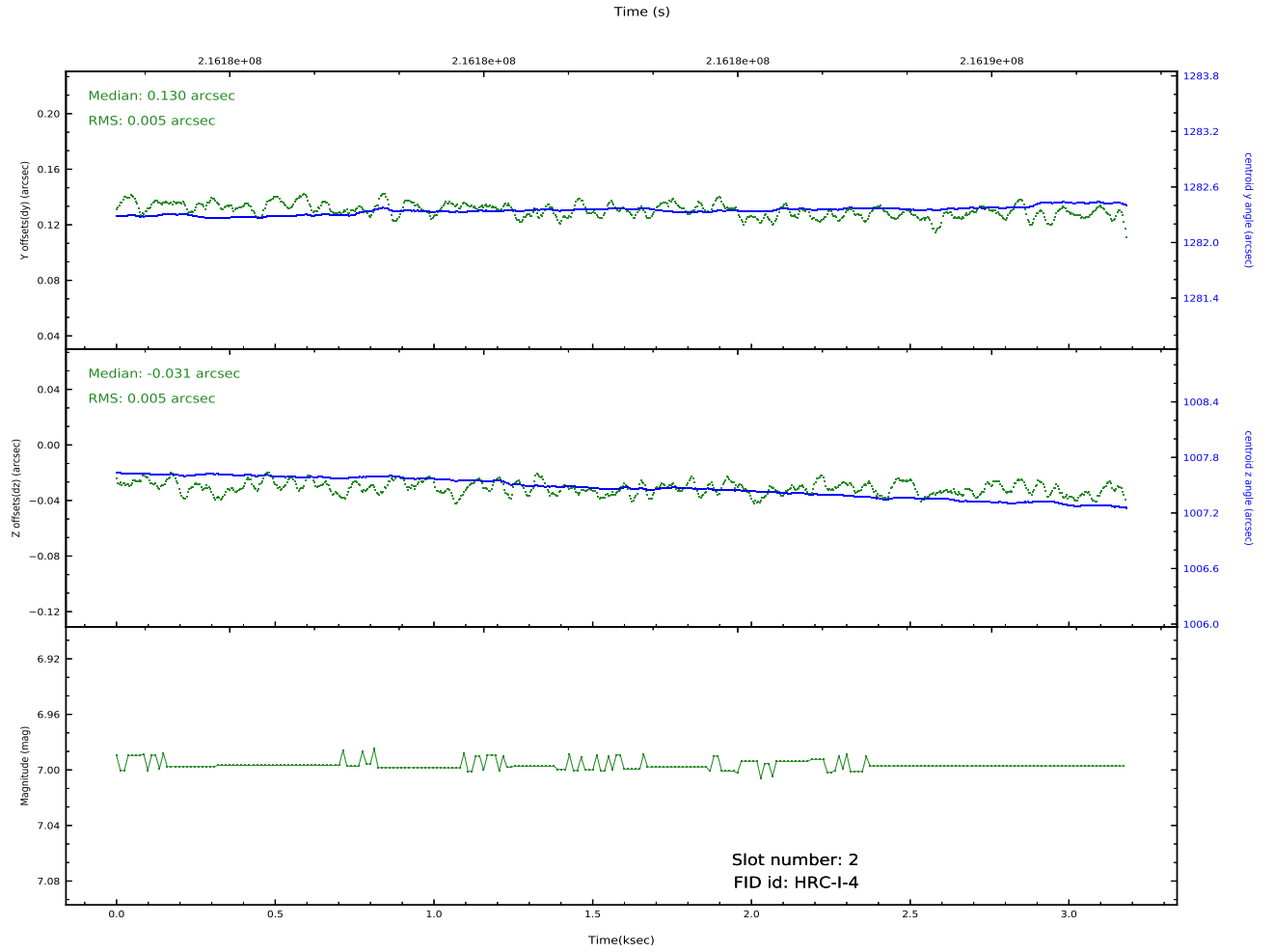
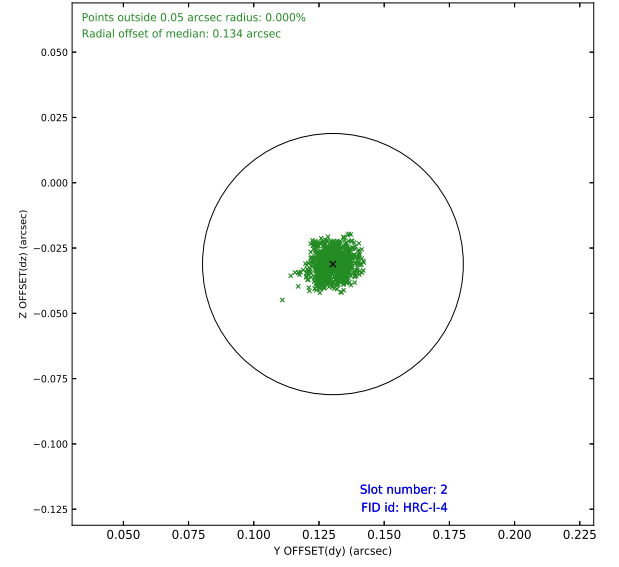
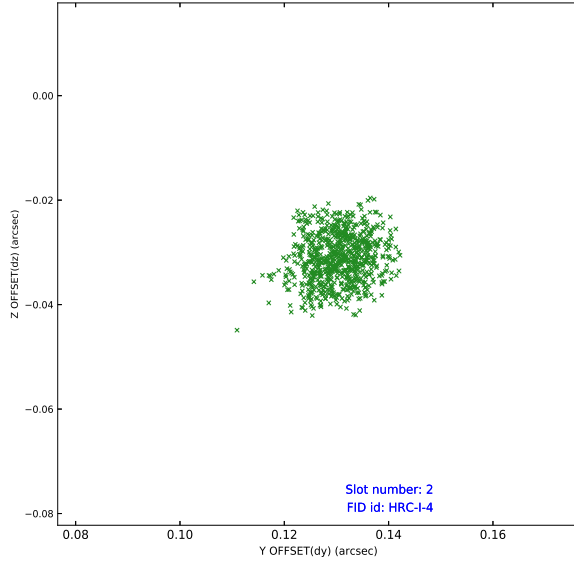
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.182

A.2 Comments

Window constraint was met.