

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5347 - L2 Version 4
Chandra X-Ray Center

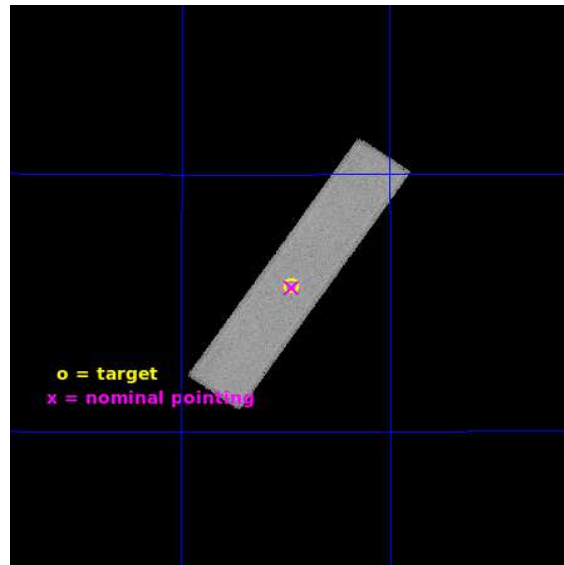
L2 Processing Date : Oct 4 2020

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1 Front

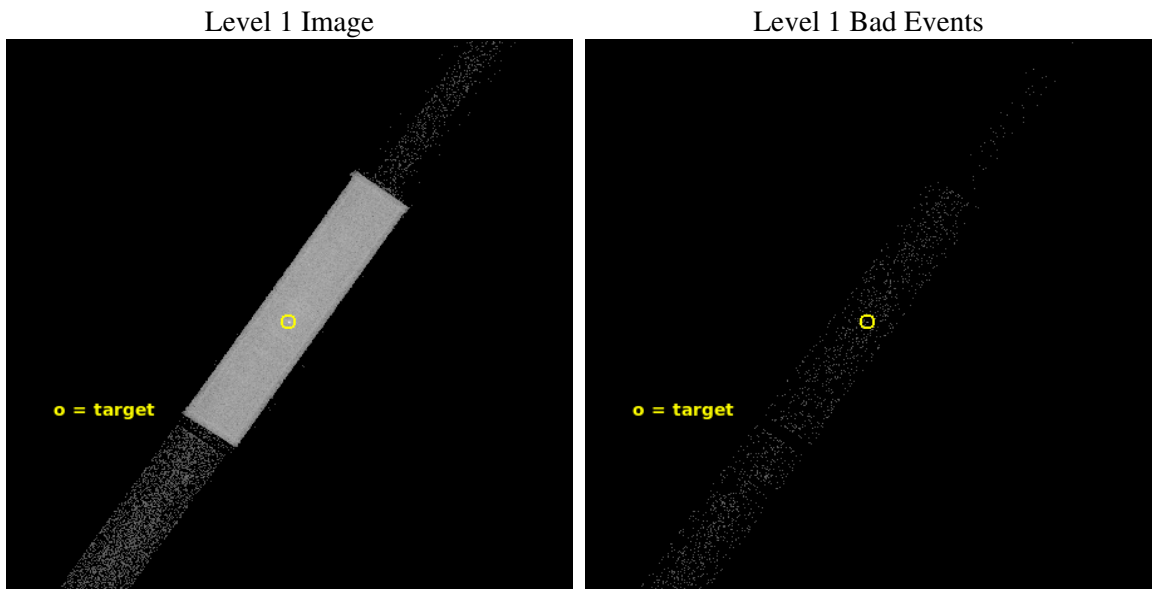
seq_num	290444	Sequence number
obs_id	5347	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23481816693	Nominal RA [deg]
dec_nom	38.779957435648	Nominal Dec [deg]
roll_nom	304.50920850895	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3152.1313913167	[s]
livetime	3129.445866001	Ontime multiplied by DTCOR
l2events	153291	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	3152.1313913167	[s]
caldsver	4.9.2	 	l1events	201373	Number of level 1 events
date	2020-10-05T00:18:10	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

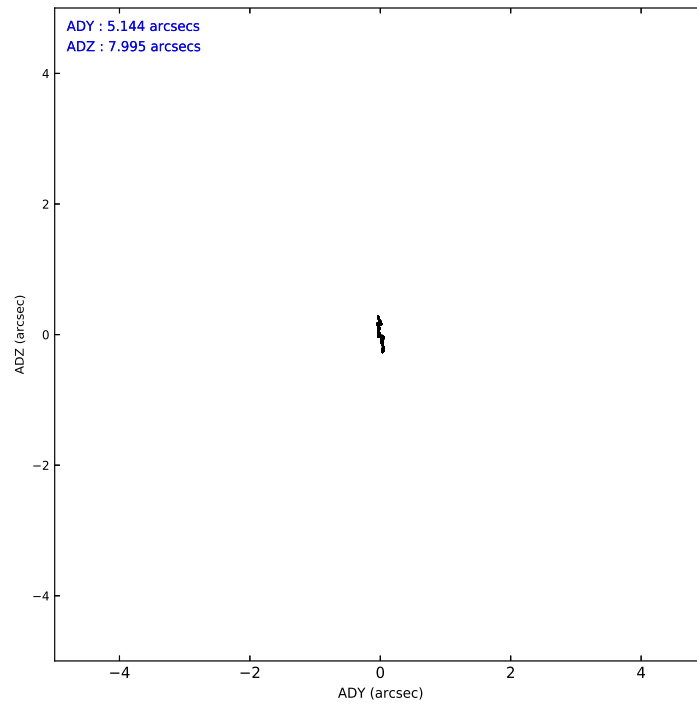
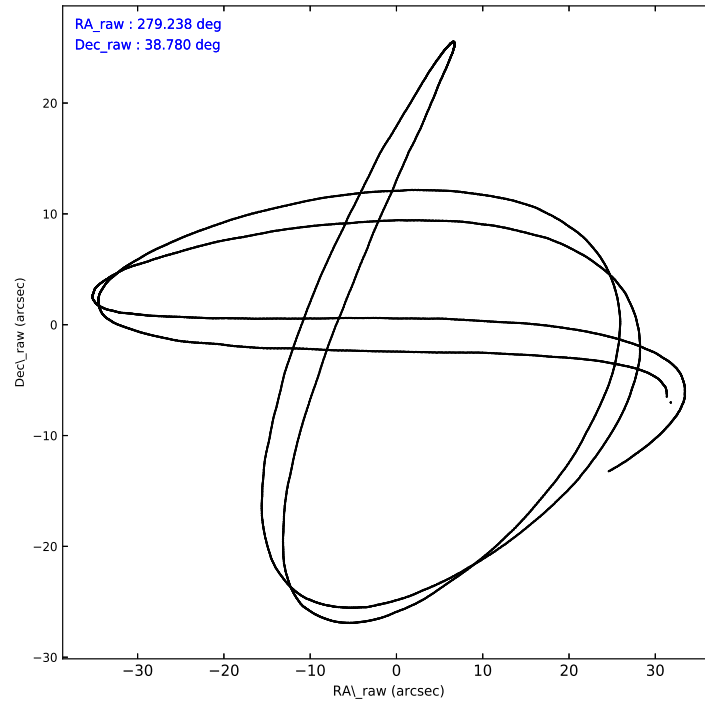
	segment 1	segment 2	segment 3
level 1 events	1021	194711	5641
rejected events	1021	5152	5571
rejected %	100%	2%	98%

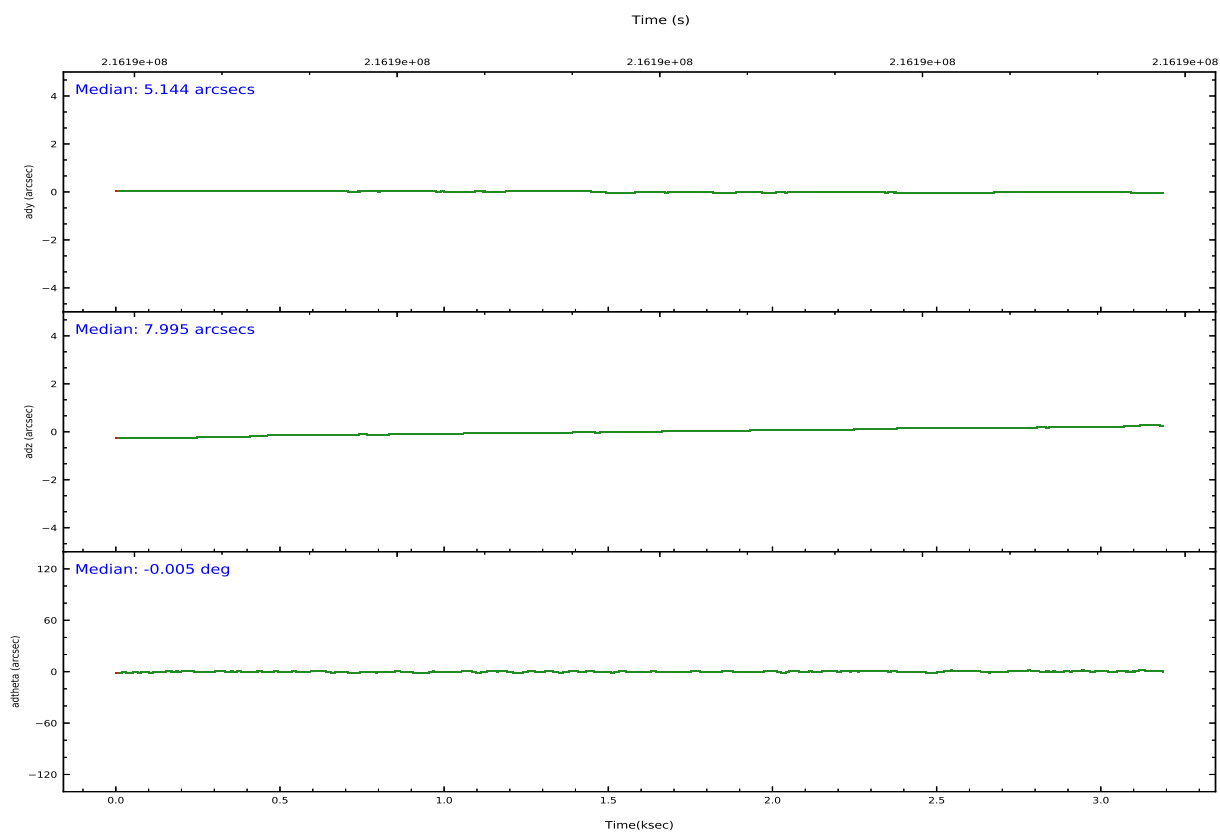
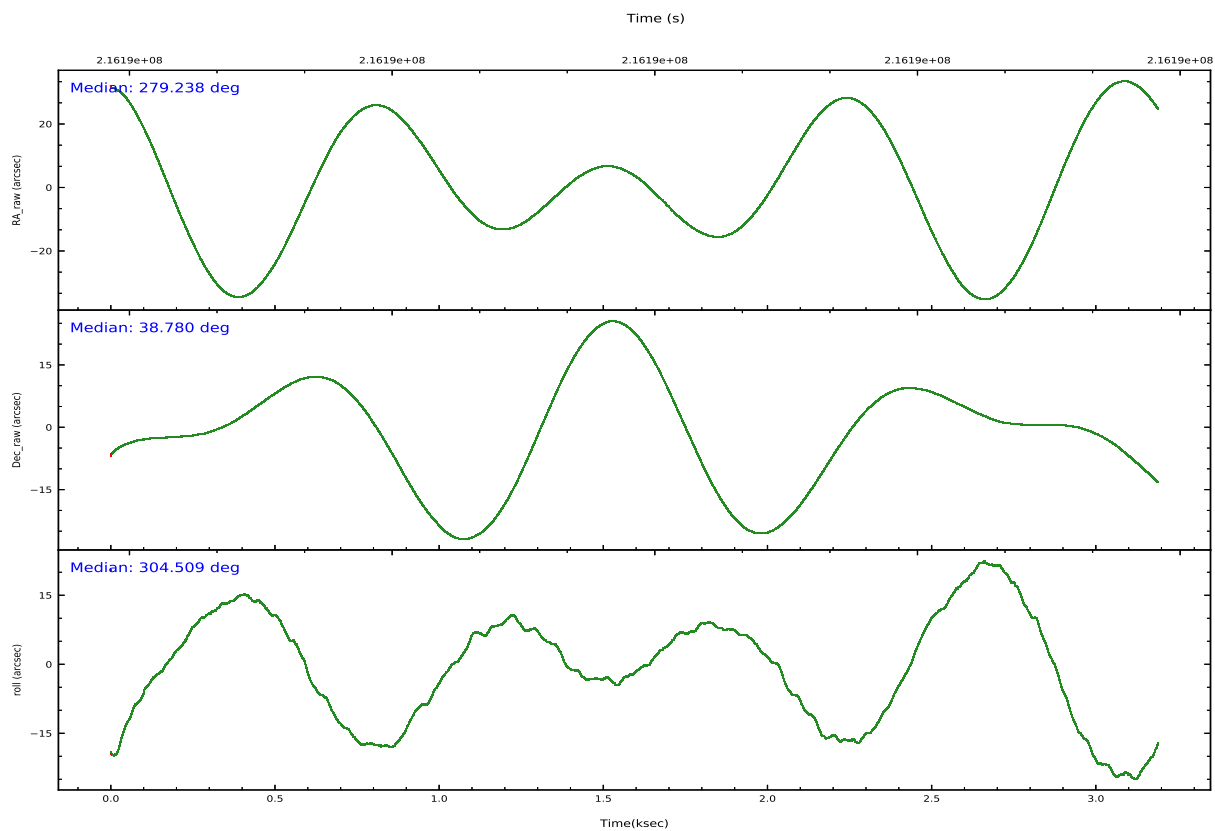
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.204398	279.23481816693
[deg] Pointing Dec	38.790853	38.779957435648
[deg] Pointing Roll	304.469180	304.50920850895
[s] Window start time (MET)	215654464.184000	215654464.184000
[s] Window stop time (MET)	218246404.184000	218246404.184000
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	216186534.184000	216186158.26145
Observation start date	2004-11-07T03:47:50	2004-11-07T03:42:38
[s] Observation end time (MET)	216189534.184000	216189668.37411
Observation end date	2004-11-07T04:37:50	2004-11-07T04:41:08

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

2.3 Aspect



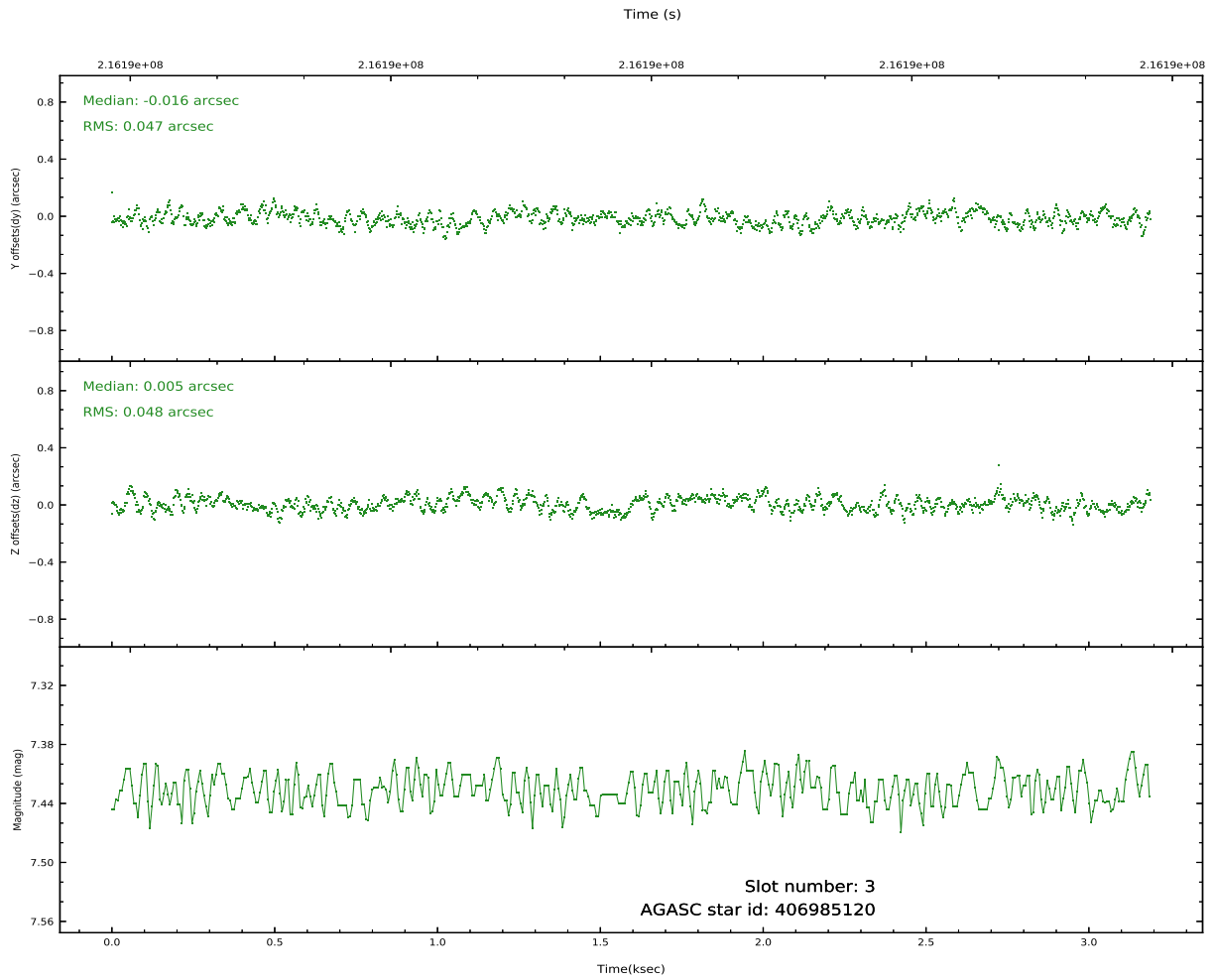
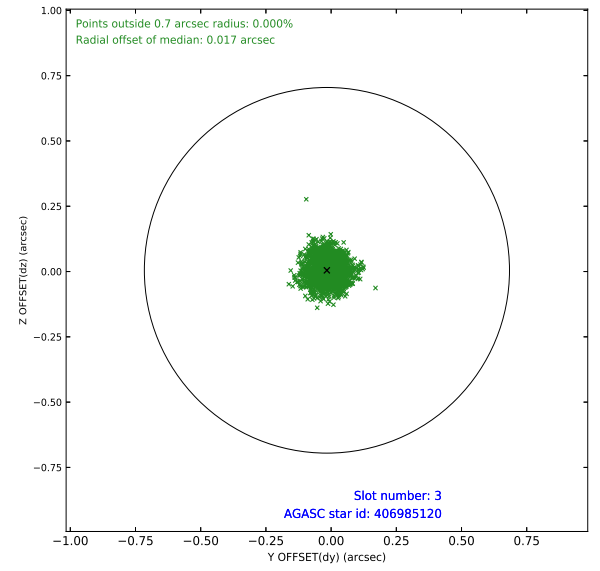
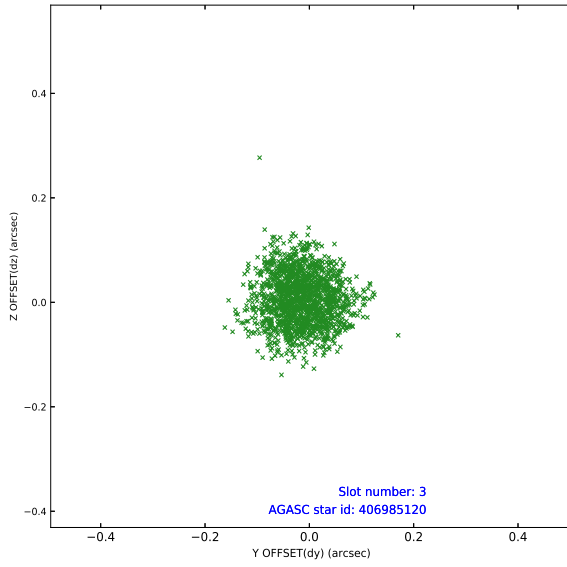


Slot Statistics

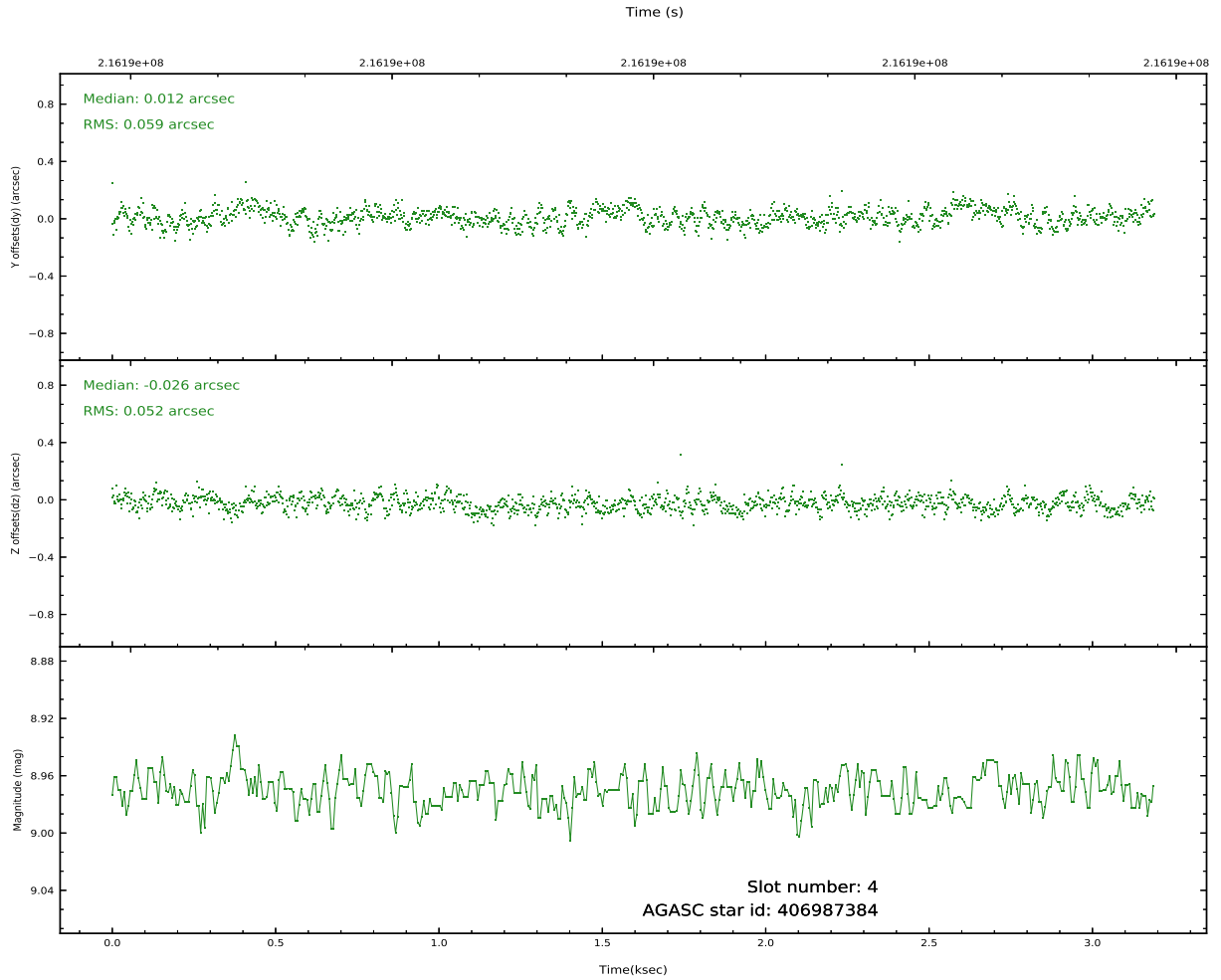
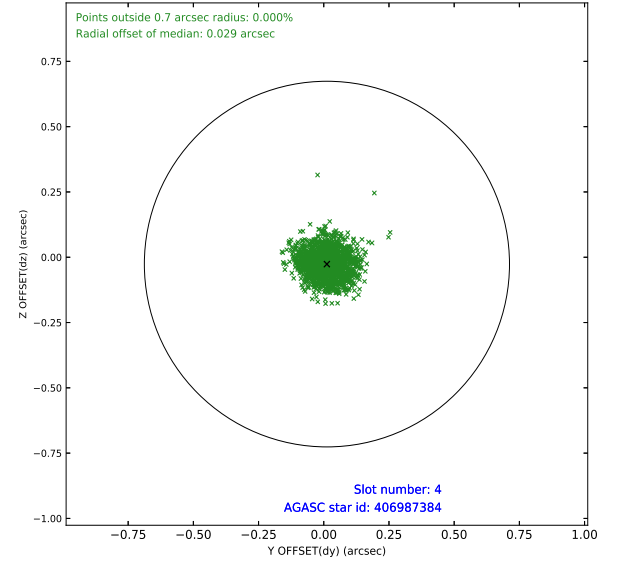
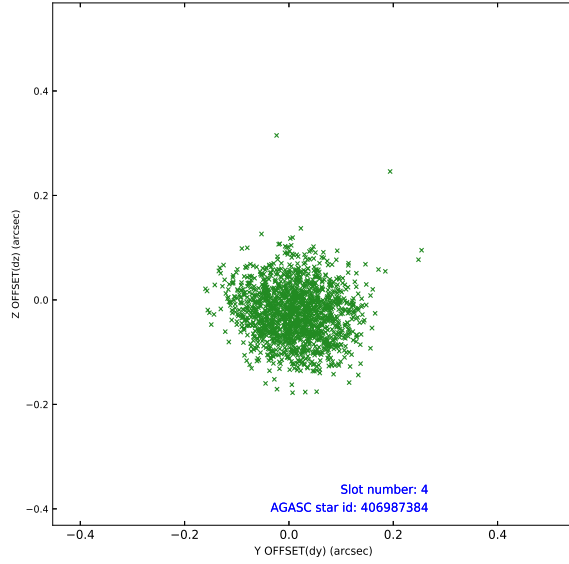
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	6.99	779	1.000	0.089	-0.137	0.009	0.015	0.000000	0.000000	-1159.28	-456
1	FID		HRC-S-2	6.99	779	1.000	0.162	-0.097	0.004	0.008	0.000000	0.000000	1238.99	-449
2	FID		HRC-S-3	7.01	779	1.000	0.139	-0.069	0.009	0.015	0.000000	0.000000	-1160.38	572
3	GUIDE	used	406985120	7.43	1557	1.000	-0.016	0.005	0.073	0.112	278.839732	38.894839	-887.71	-629
4	GUIDE	used	406987384	8.97	1556	1.000	0.012	-0.026	0.085	0.130	278.815518	38.115336	1380.23	-2283
5	GUIDE	used	406990192	9.00	1557	1.000	0.019	-0.115	0.090	0.152	278.510952	38.533654	-345.86	-2131
6	GUIDE	used	407521232	8.65	1557	1.000	0.024	0.085	0.095	0.146	279.628883	39.431715	-1236.15	2278
7	GUIDE	used	406983600	8.91	1554	1.000	-0.034	0.052	0.111	0.163	279.940957	39.020708	477.03	2172

2.4 Star Slots

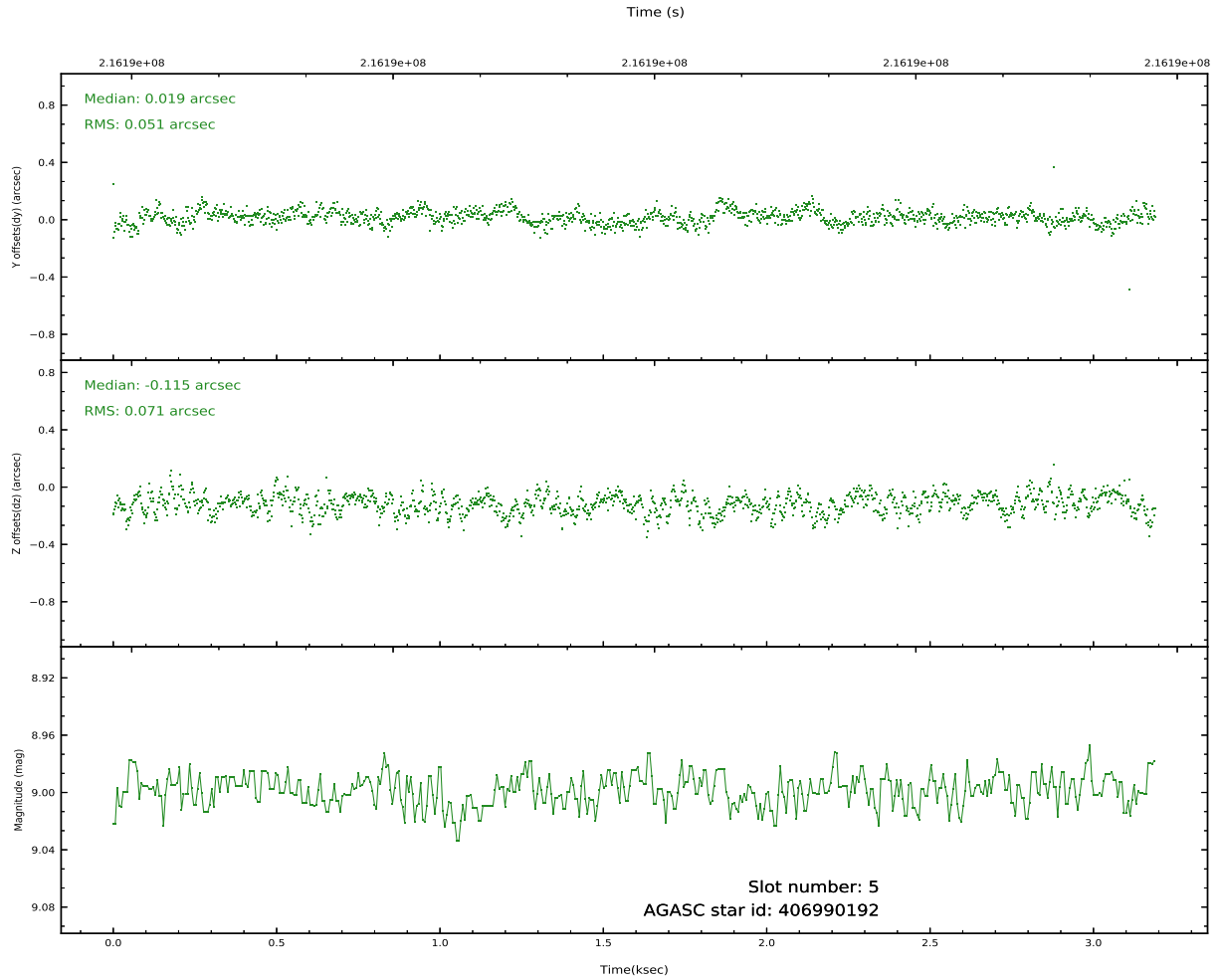
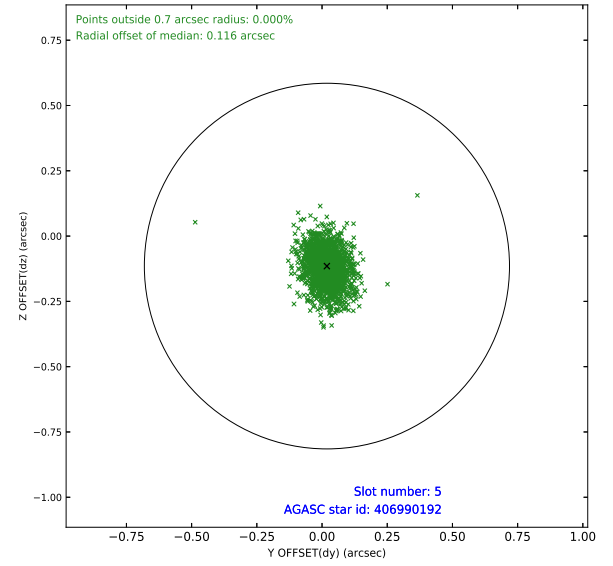
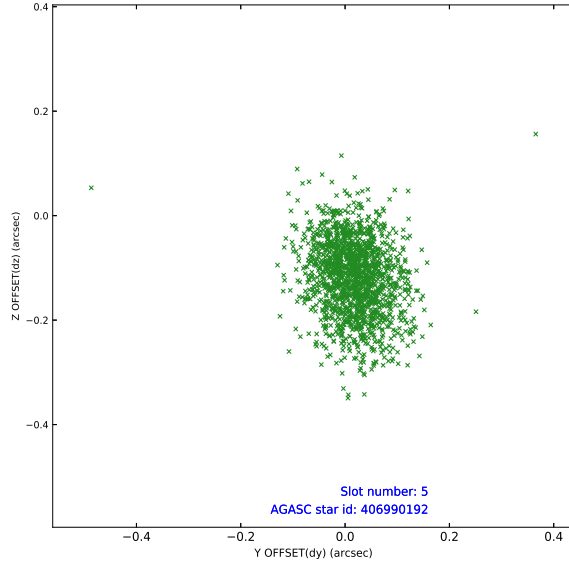
2.4.1 Slot 3



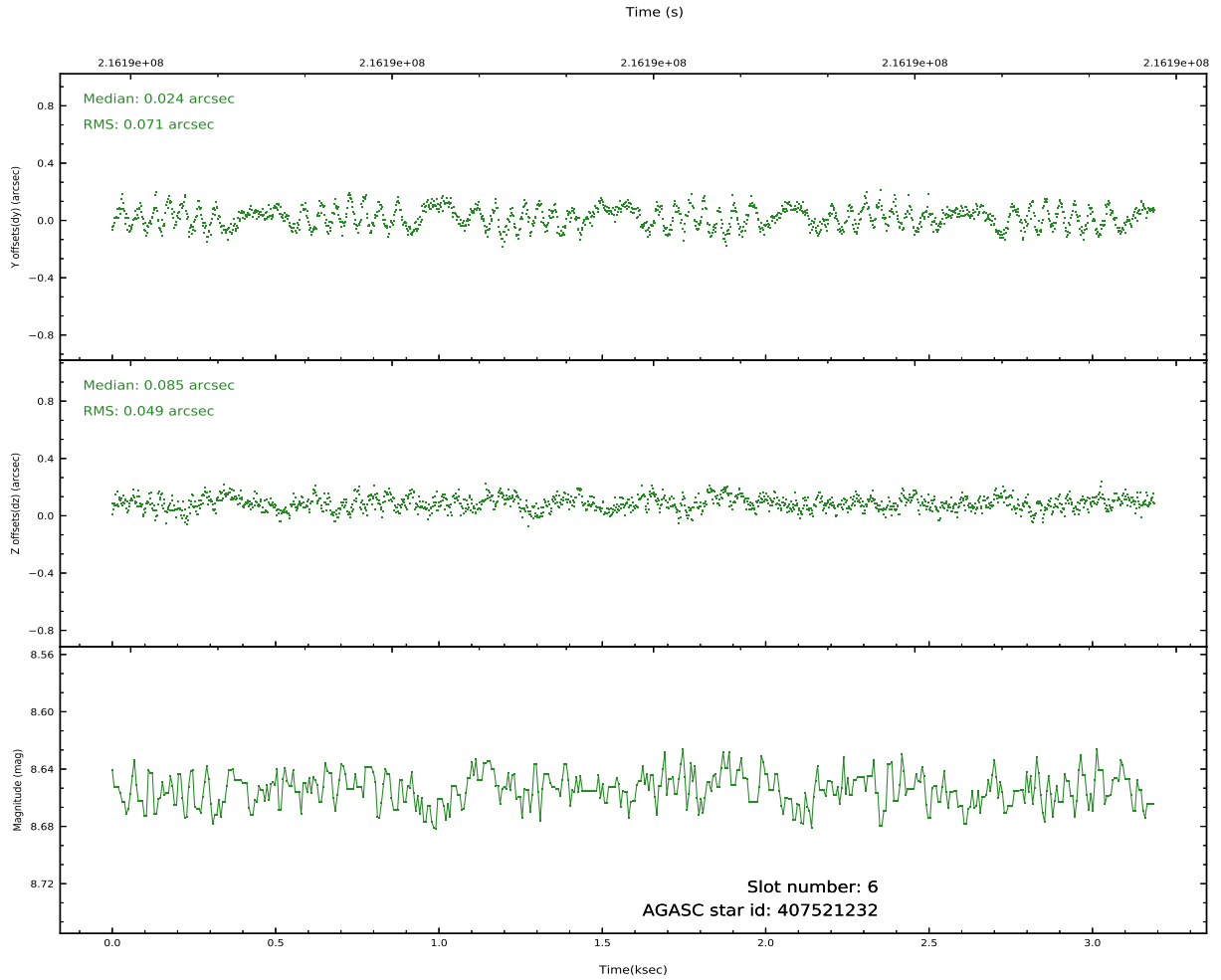
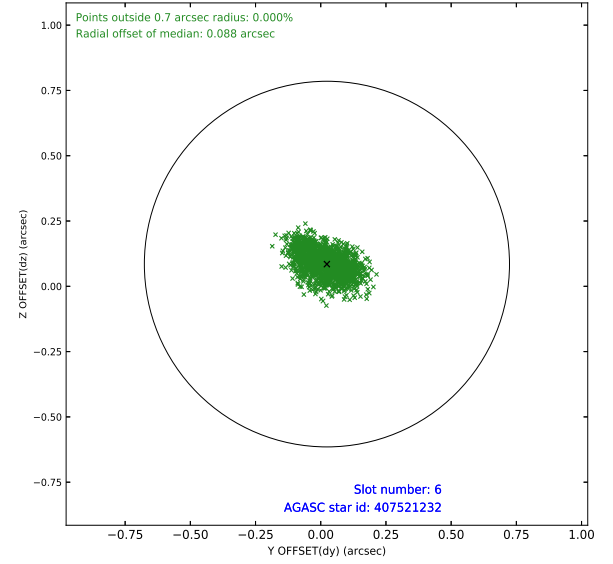
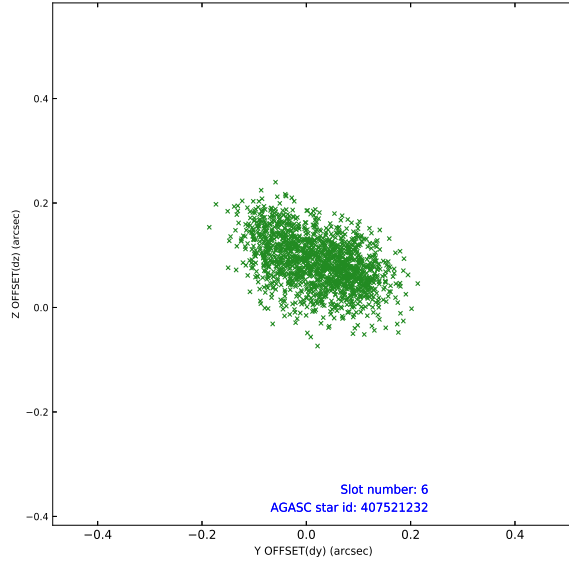
2.4.2 Slot 4



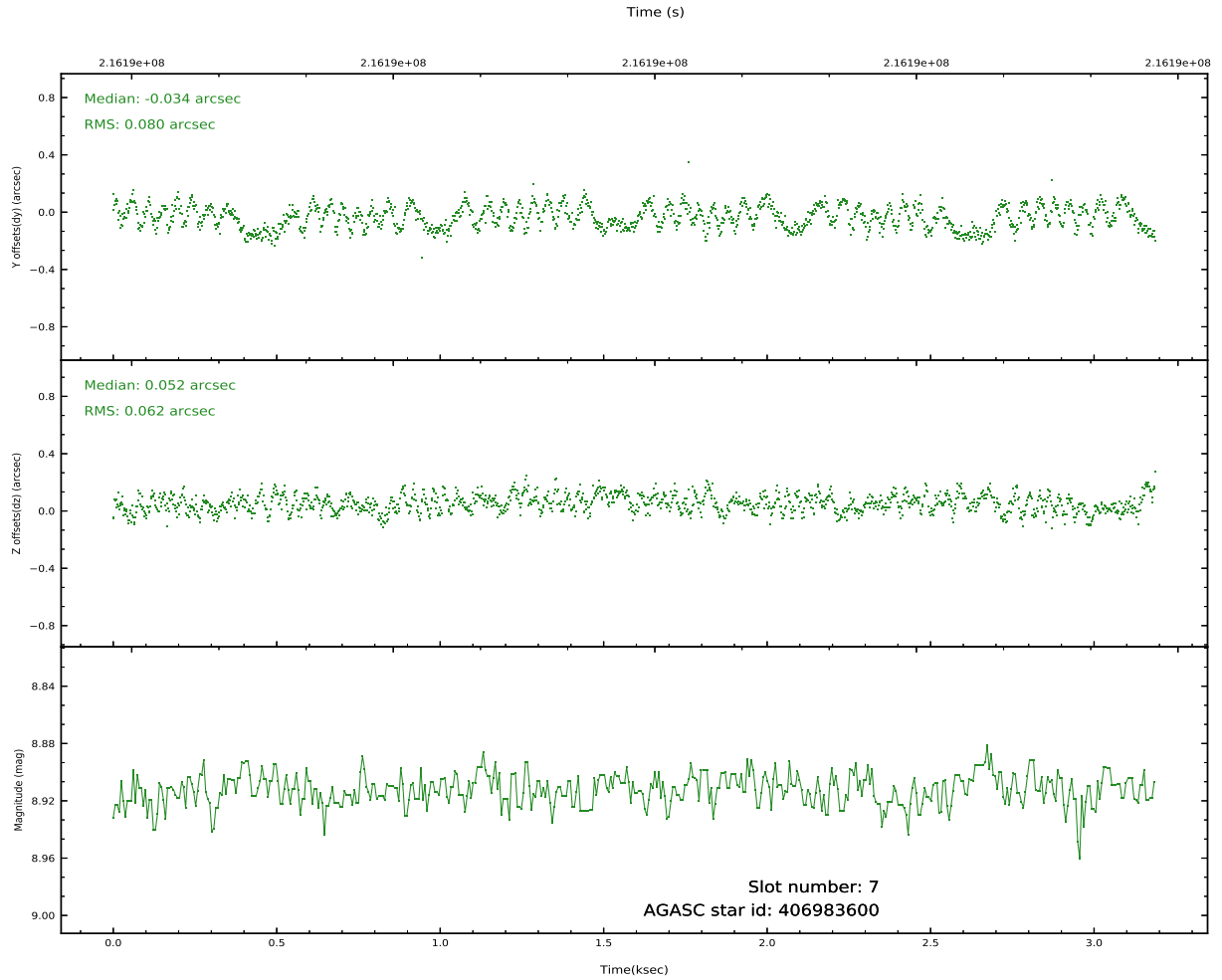
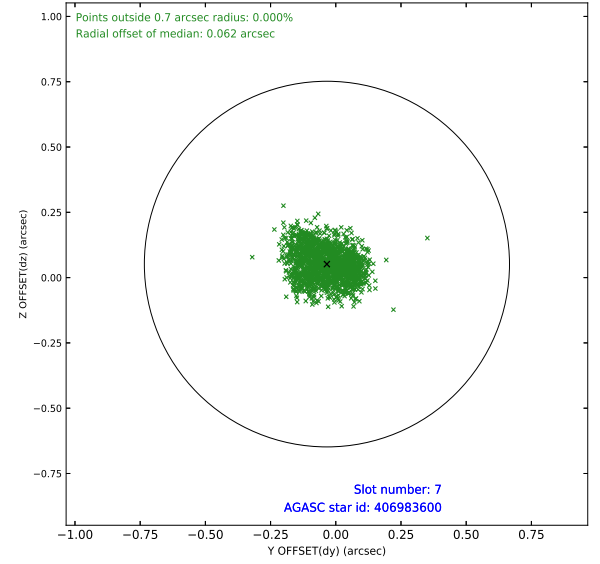
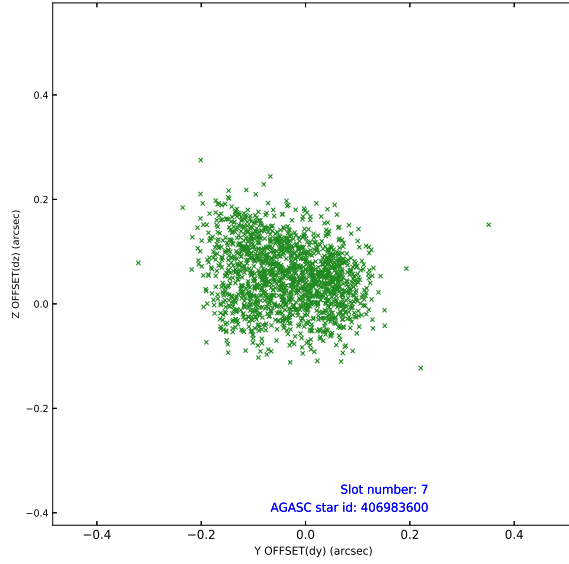
2.4.3 Slot 5



2.4.4 Slot 6

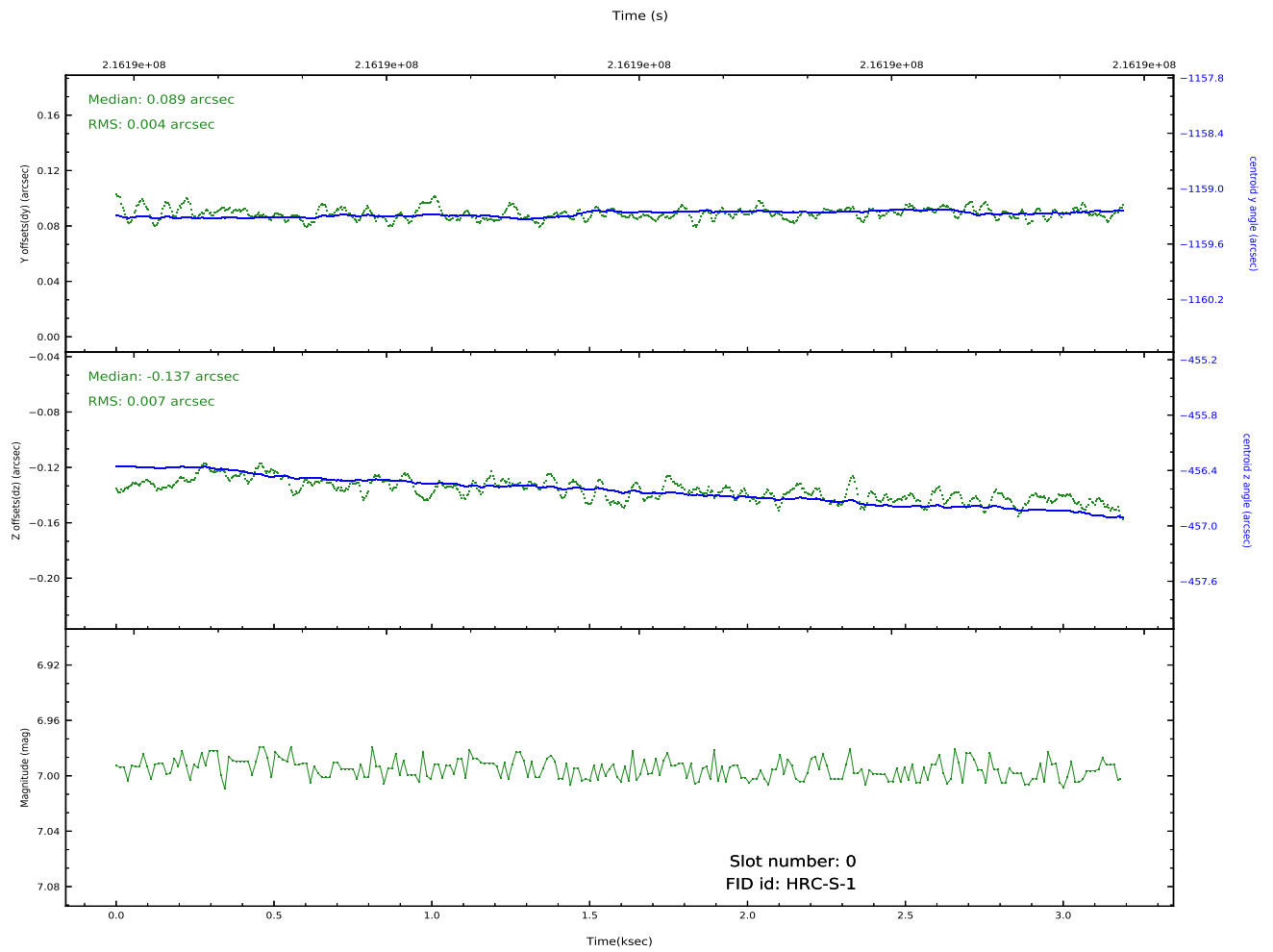
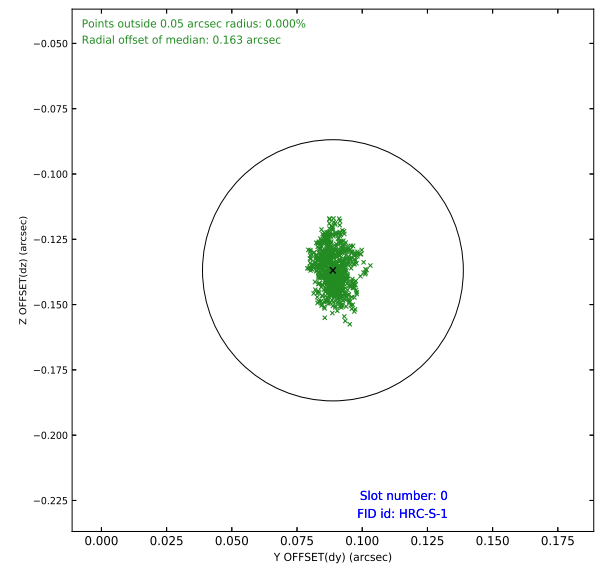
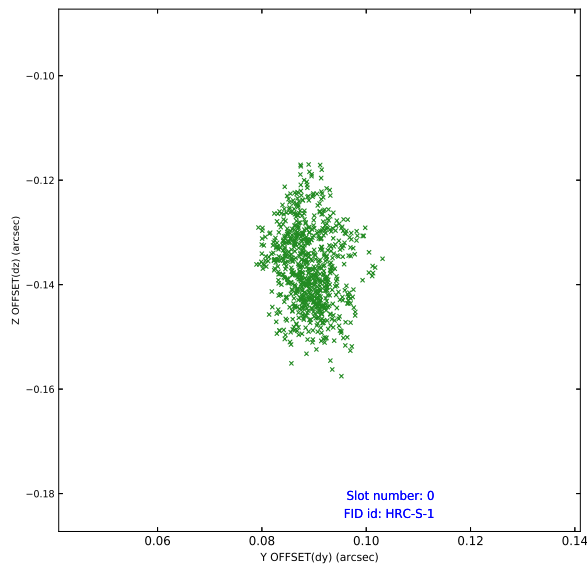


2.4.5 Slot 7

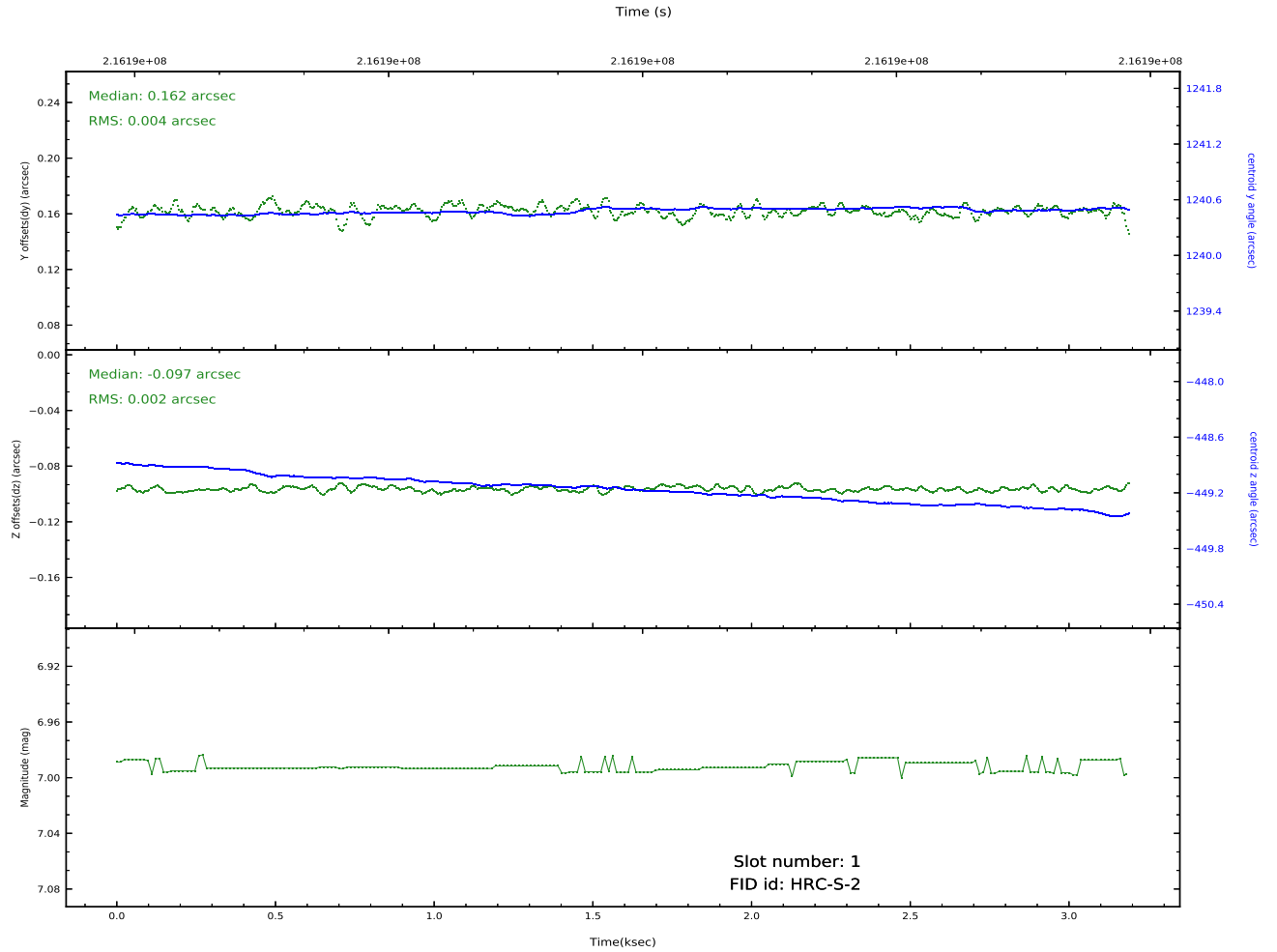
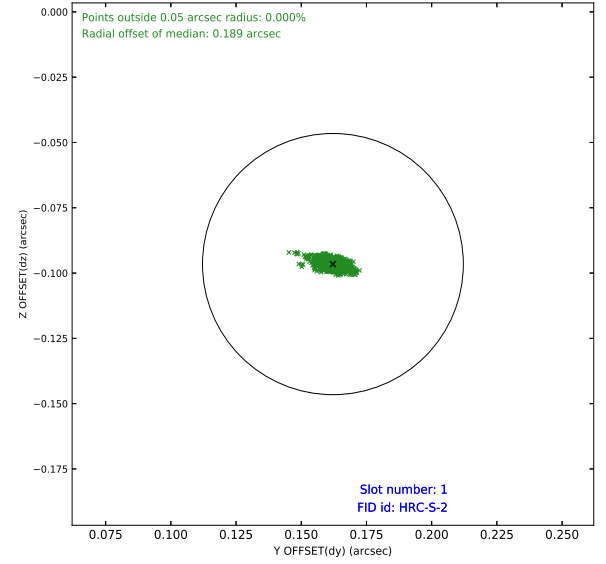
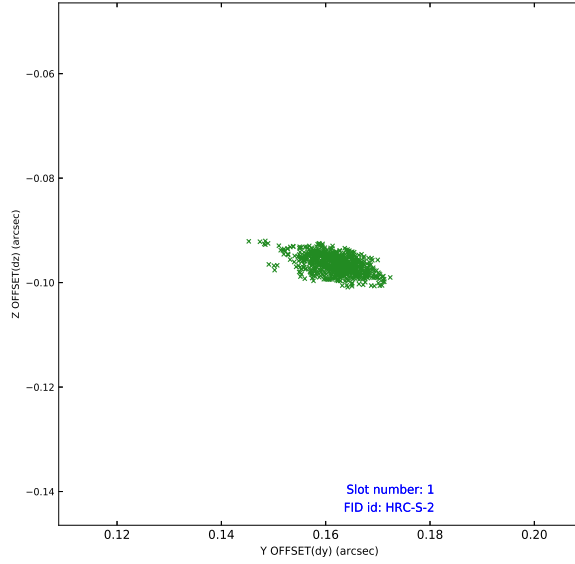


2.5 FID Slots

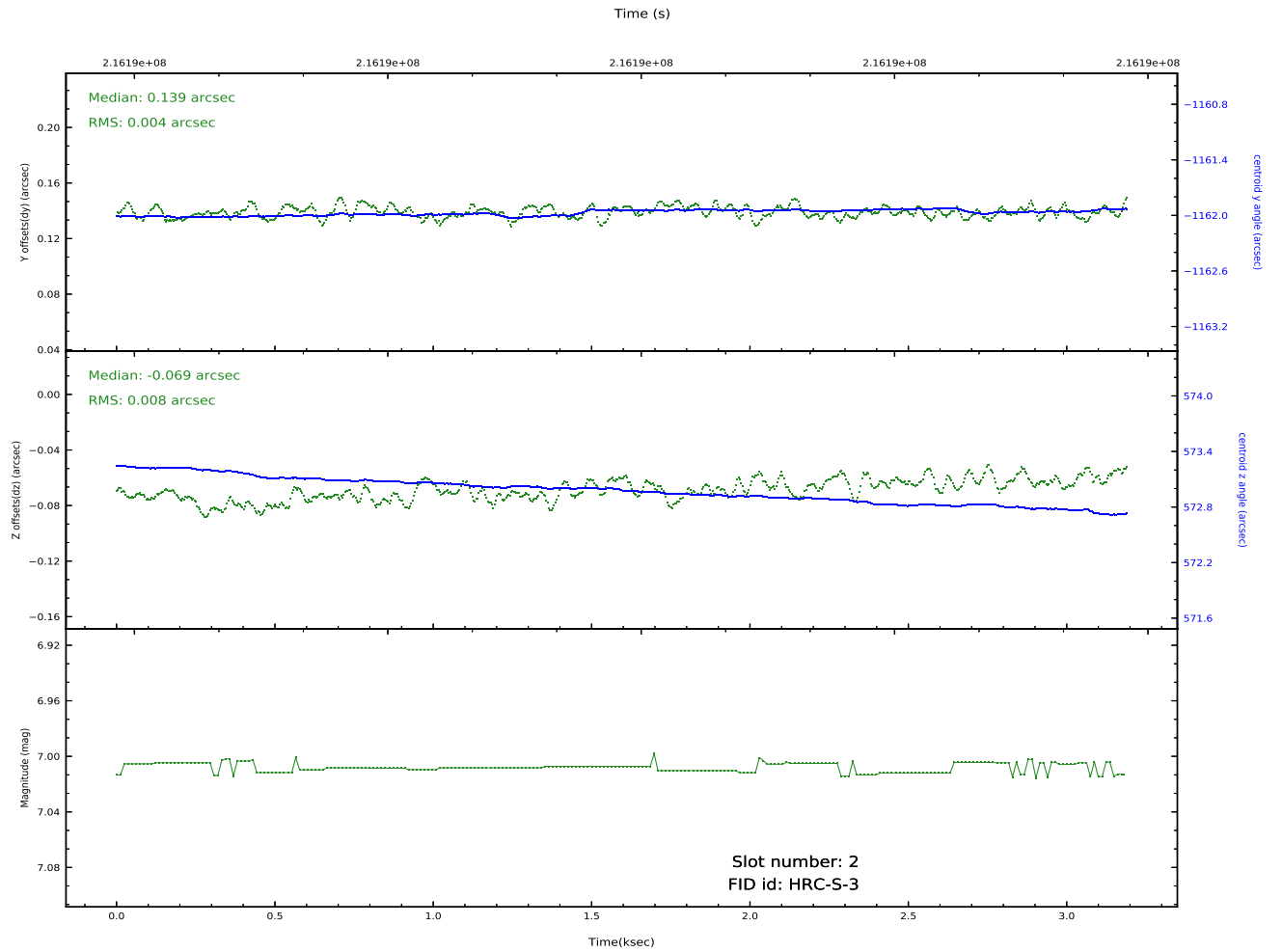
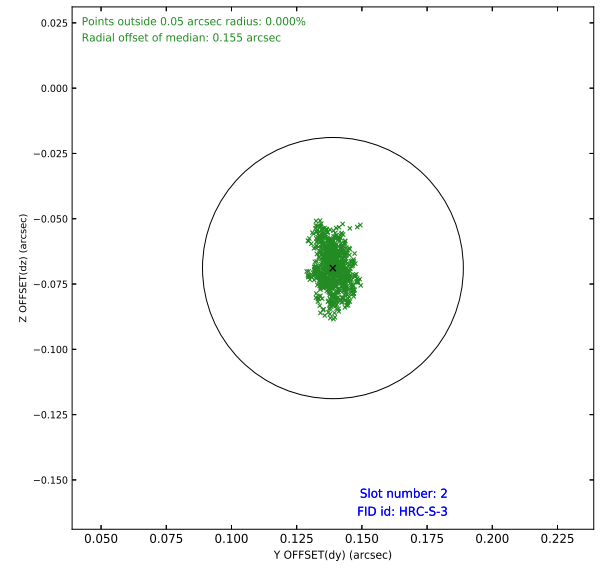
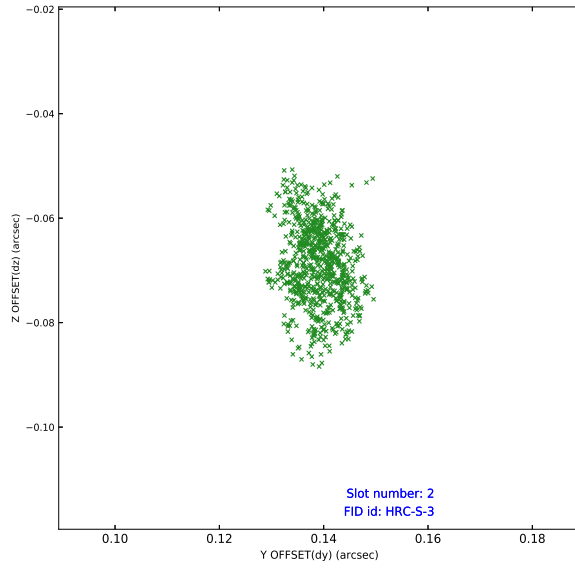
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.152

A.2 Comments

Window constraint was met.