

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5344 - L2 Version 4
Chandra X-Ray Center

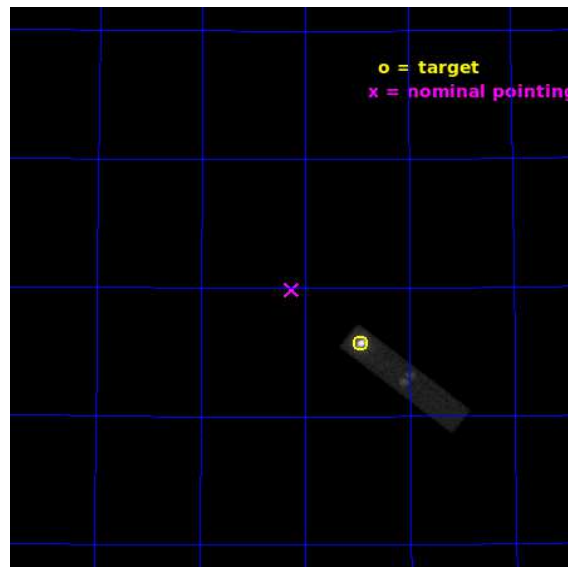
L2 Processing Date : Sep 28 2020

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1 Front

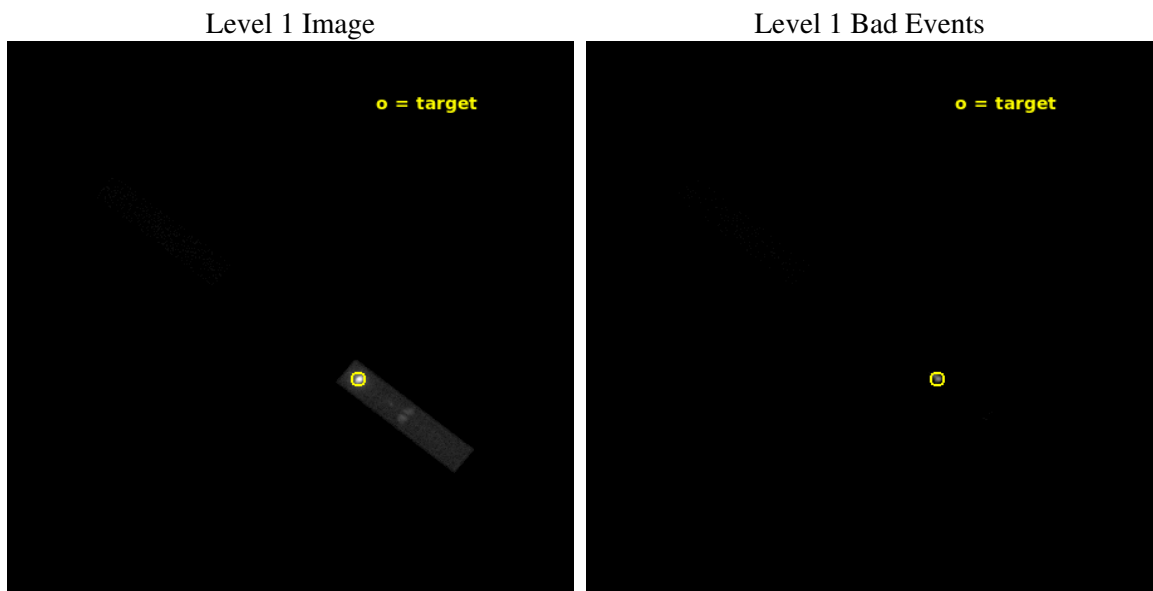
seq_num	290441	Sequence number
obs_id	5344	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.5640442468	Nominal RA [deg]
dec_nom	38.993127129108	Nominal Dec [deg]
roll_nom	218.59717297627	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3283.3313959837	[s]
livetime	1159.1636662601	Ontime multiplied by DTCOR
l2events	588572	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	2	Obi number	sched_exp_time	3100.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3283.3313959837	[s]
caldbver	4.9.2	 	l1events	650138	Number of level 1 events
date	2020-09-28T05:51:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

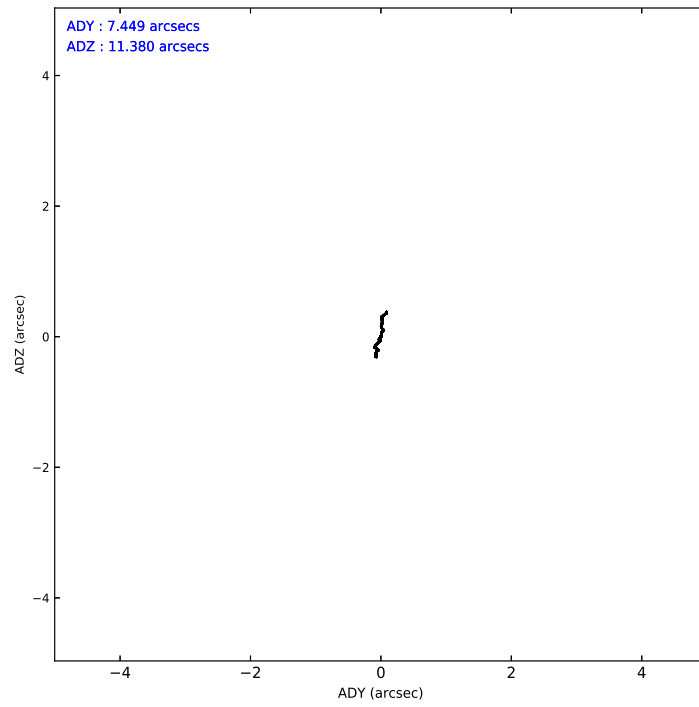
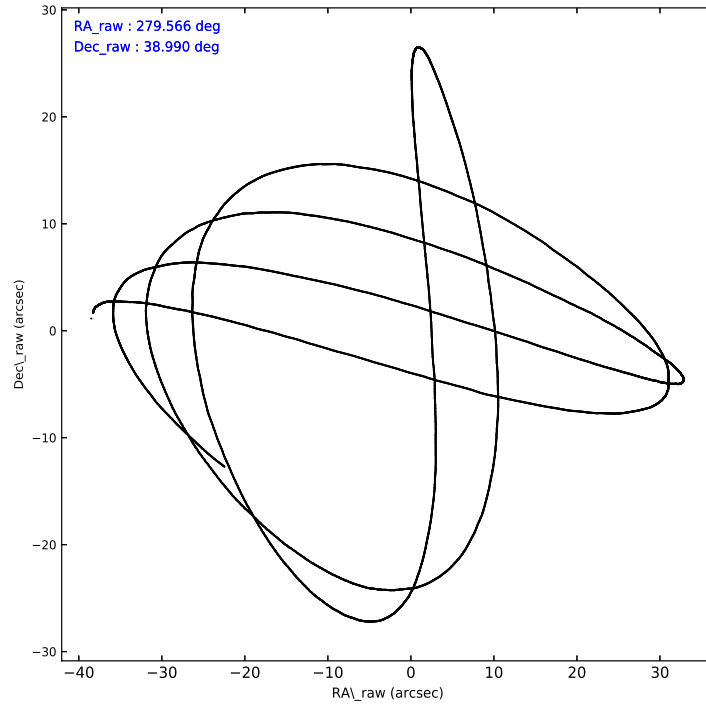
	segment 1	segment 2	segment 3
level 1 events	3669	199	646270
rejected events	3669	199	41050
rejected %	100%	100%	6%

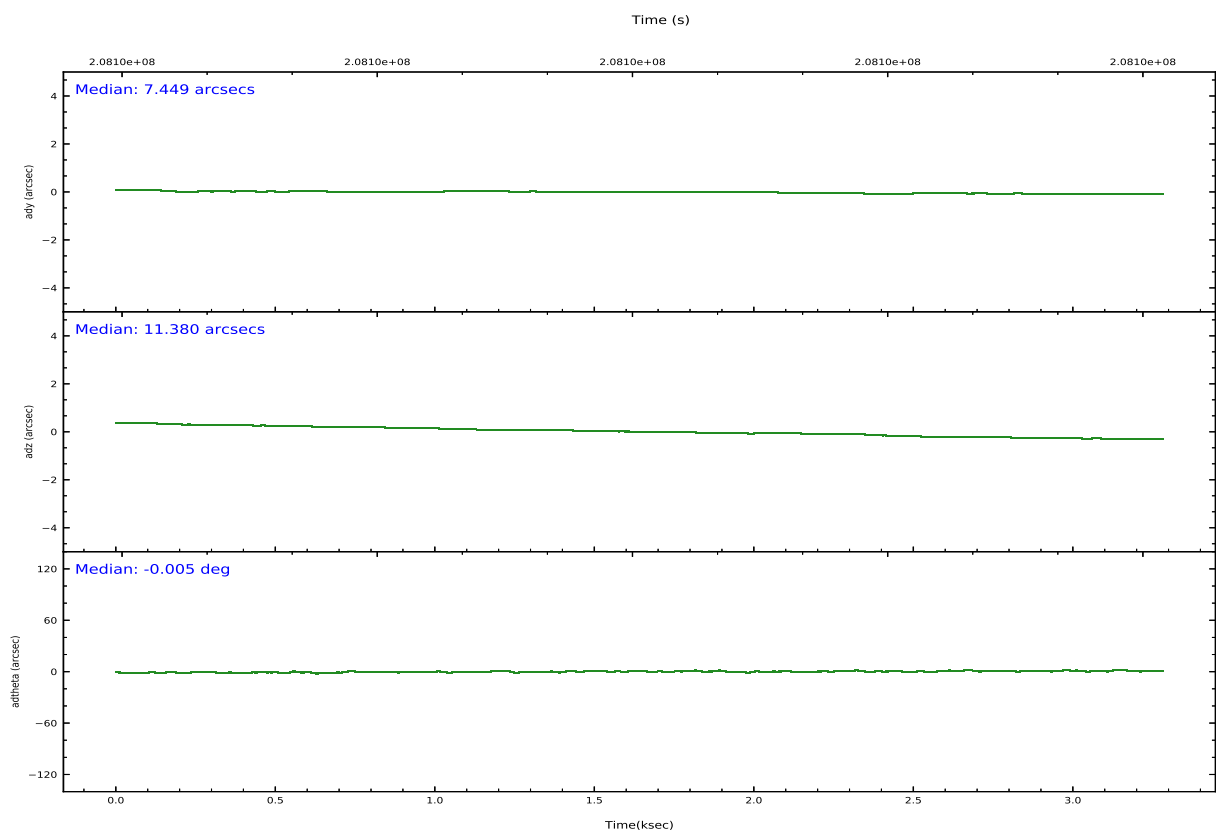
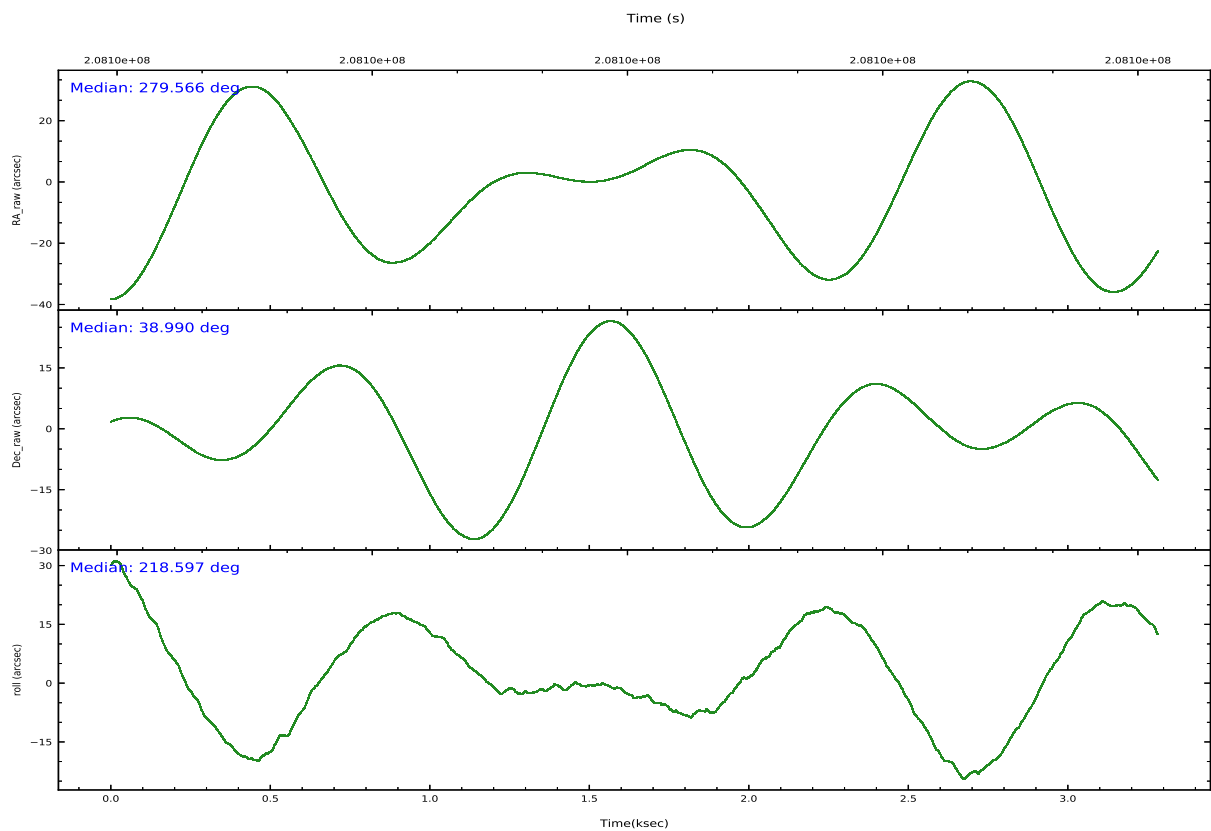
2.2 Compared Parameters

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	279.576450	279.5640442468
[deg] Pointing Dec	39.016178	38.993127129108
[deg] Pointing Roll	218.520178	218.59717297627
[s] Window start time (MET)	207705664.184000	207705664.184000
[s] Window stop time (MET)	210384004.184000	210384004.184000
[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)	208096963.184000	208096587.30025
Observation start date	2004-08-05T12:41:39	2004-08-05T12:36:27
[s] Observation end time (MET)	208100063.184000	208100197.35041
Observation end date	2004-08-05T13:33:19	2004-08-05T13:36:37

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

2.3 Aspect



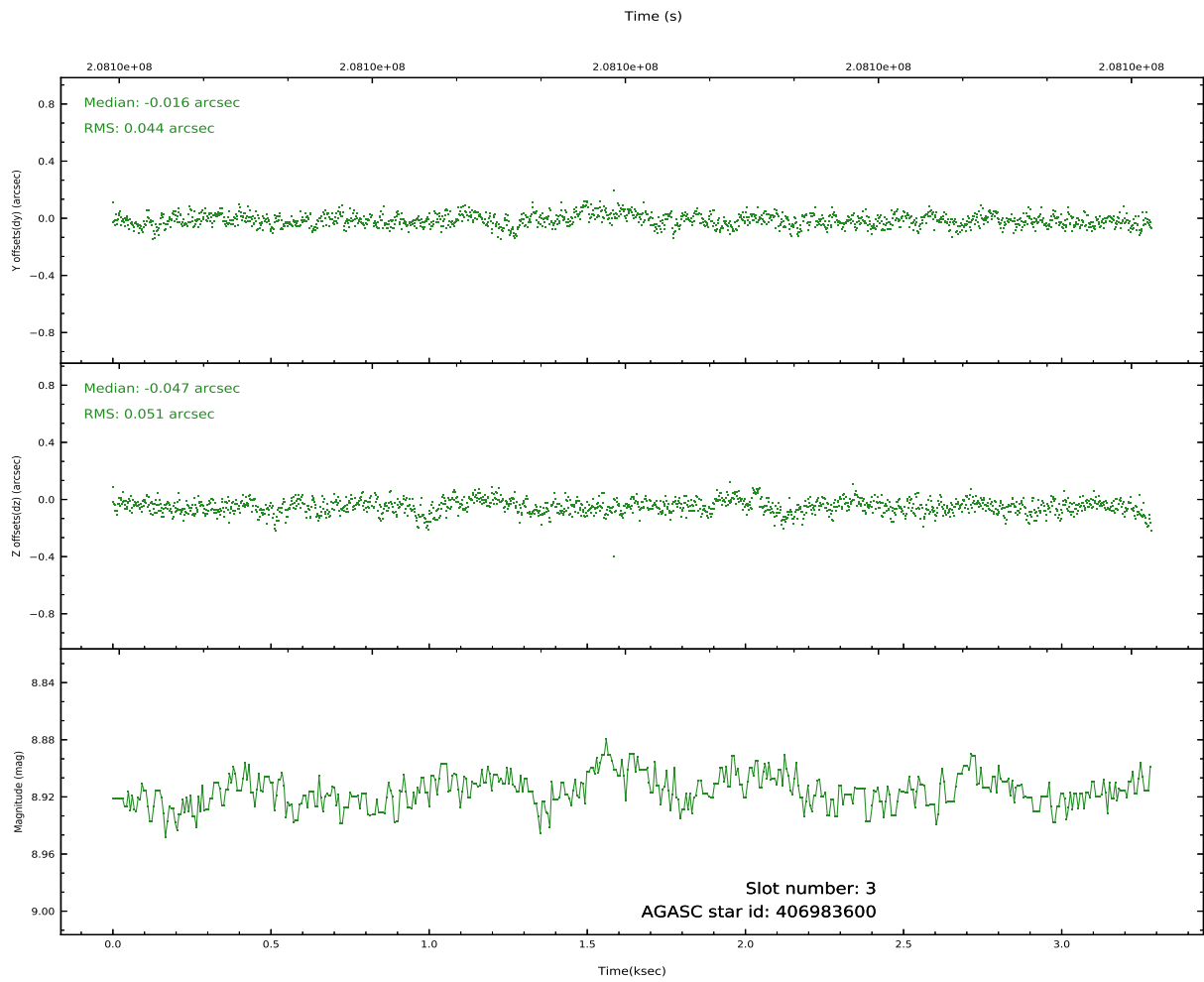
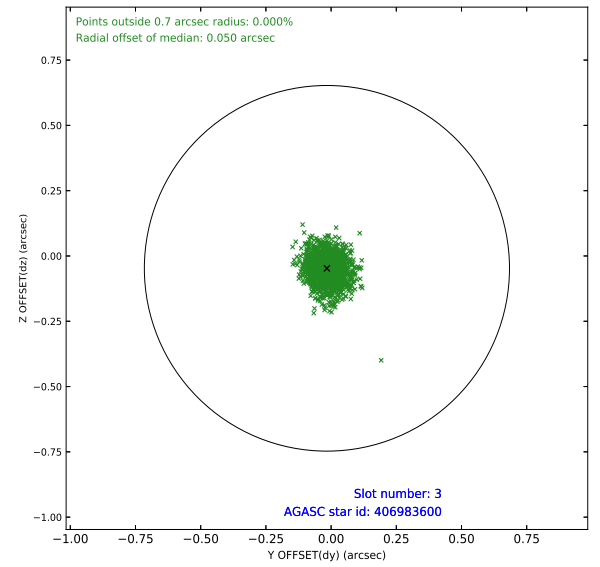
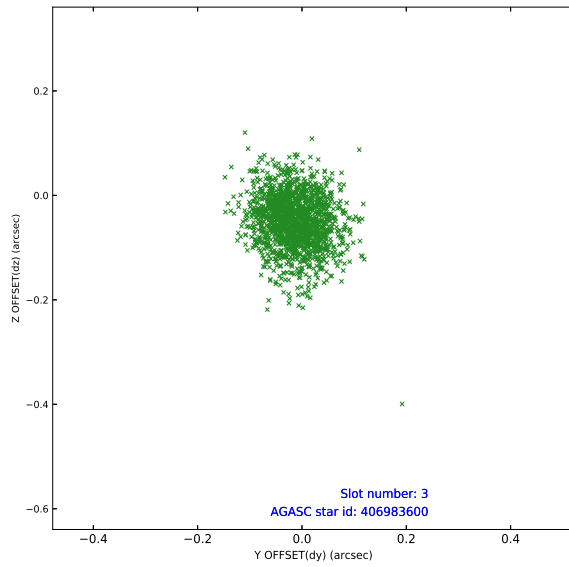


Slot Statistics

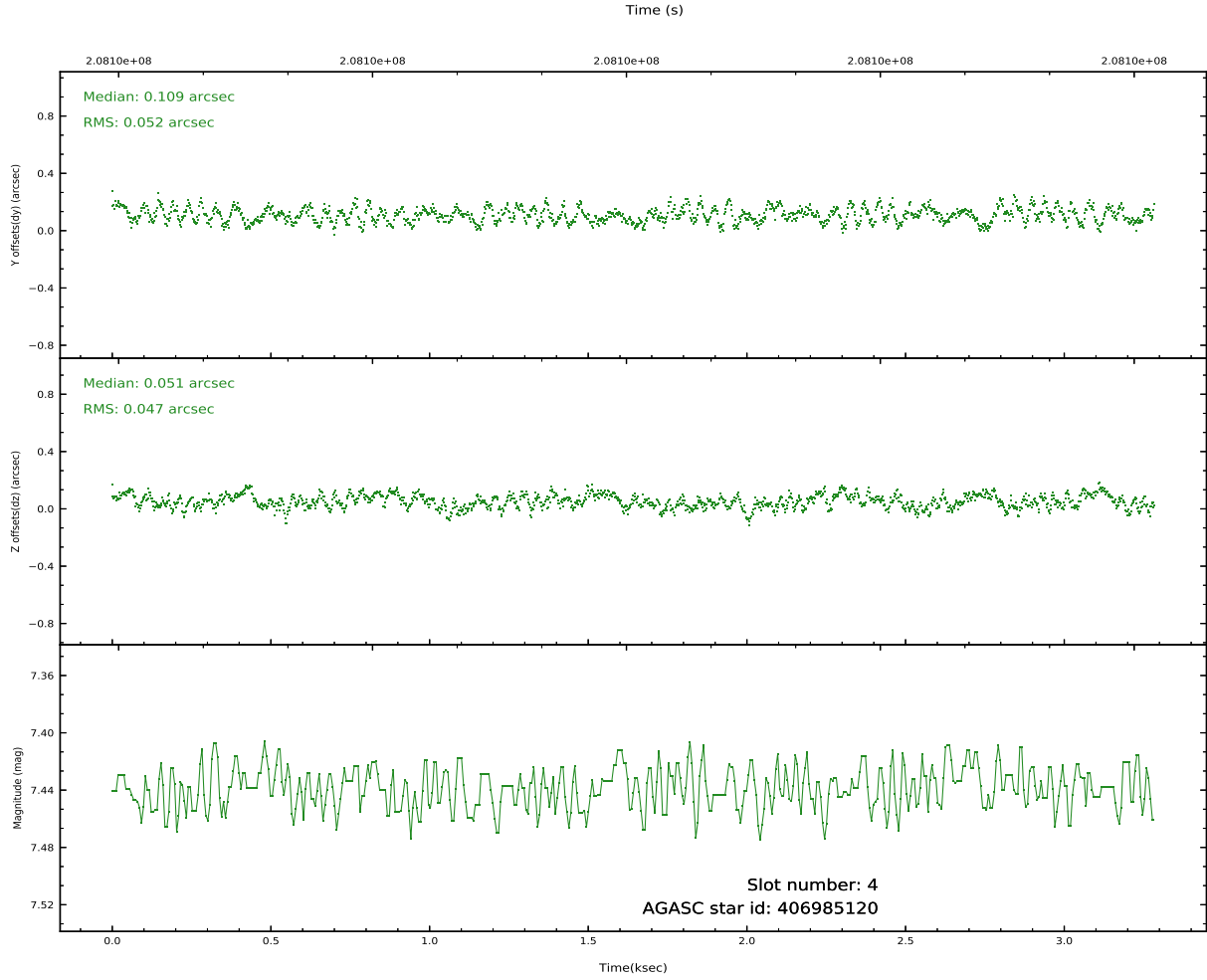
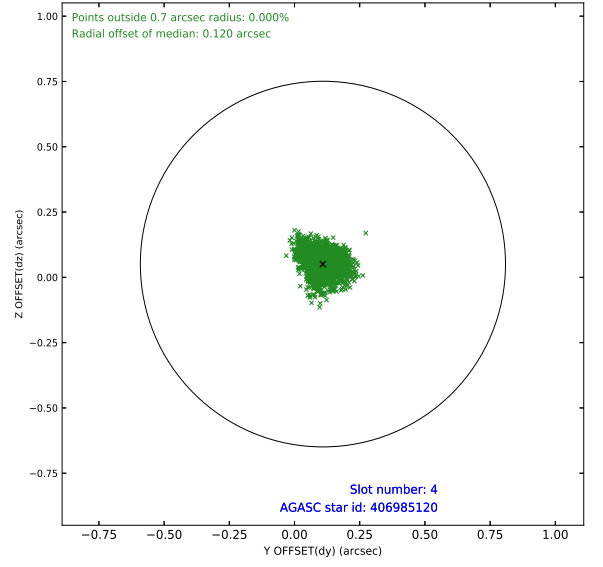
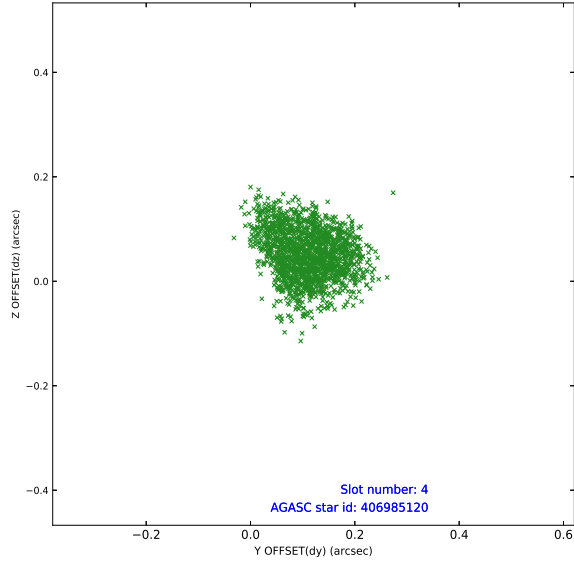
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	800	1.000	0.102	-0.143	0.013	0.020	0.000000	0.000000	-1161.60	-460
1	FID		HRC-S-2	7.01	799	1.000	0.190	-0.114	0.007	0.013	0.000000	0.000000	1236.71	-453
2	FID		HRC-S-3	7.02	799	1.000	0.098	-0.044	0.015	0.023	0.000000	0.000000	-1162.80	568
3	GUIDE	used	406983600	8.92	1599	1.000	-0.016	-0.047	0.070	0.117	279.940957	39.020708	-808.95	622
4	GUIDE	used	406985120	7.44	1603	1.000	0.109	0.051	0.076	0.117	278.839732	38.894839	1881.76	-948
5	GUIDE	used	406989616	8.23	1602	1.000	0.019	0.015	0.053	0.086	279.202881	38.520843	1933.89	738
6	GUIDE	used	407521232	8.64	1599	1.000	-0.002	-0.067	0.072	0.115	279.628883	39.431715	-1044.22	-1078
7	GUIDE	used	407521584	8.94	1600	1.000	-0.112	0.054	0.078	0.121	279.676096	39.795417	-1963.24	-2022

2.4 Star Slots

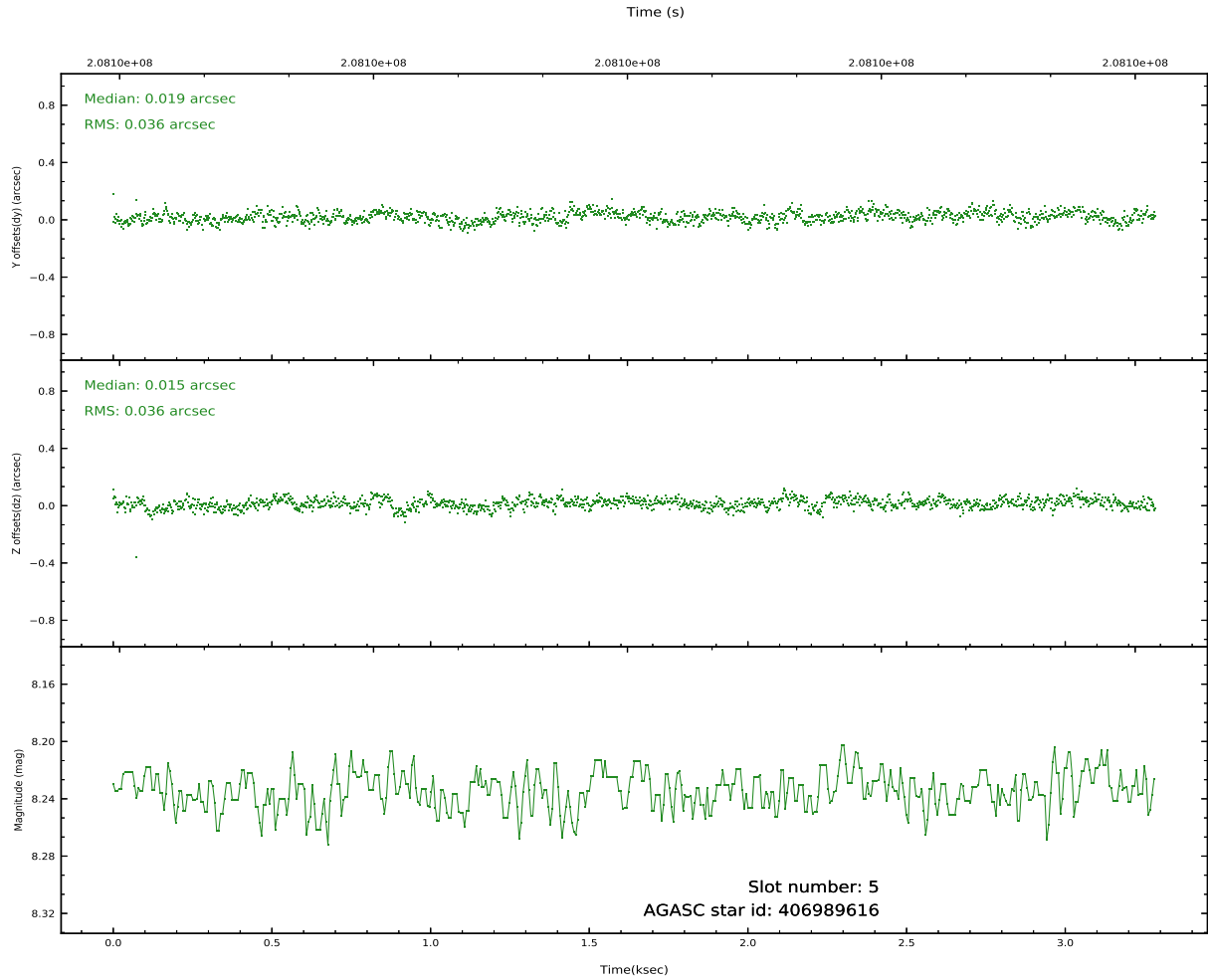
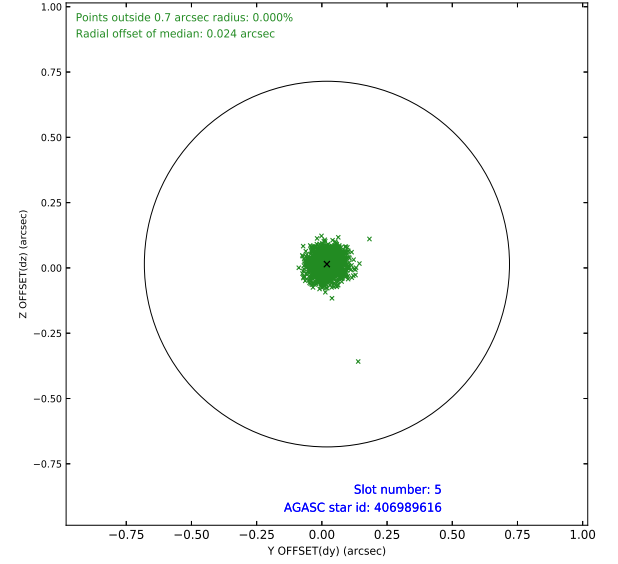
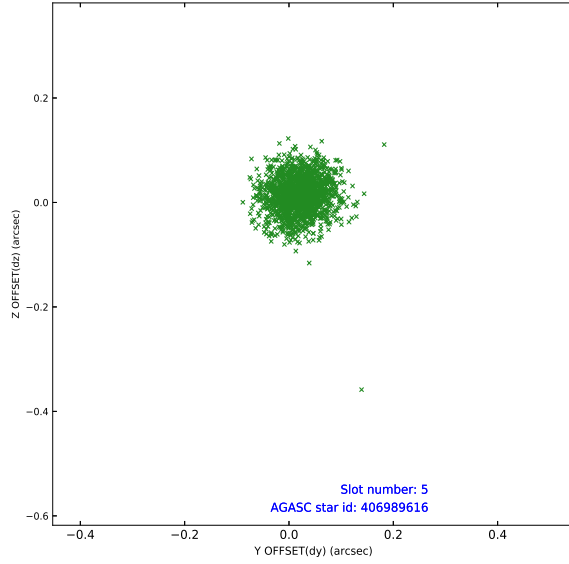
2.4.1 Slot 3



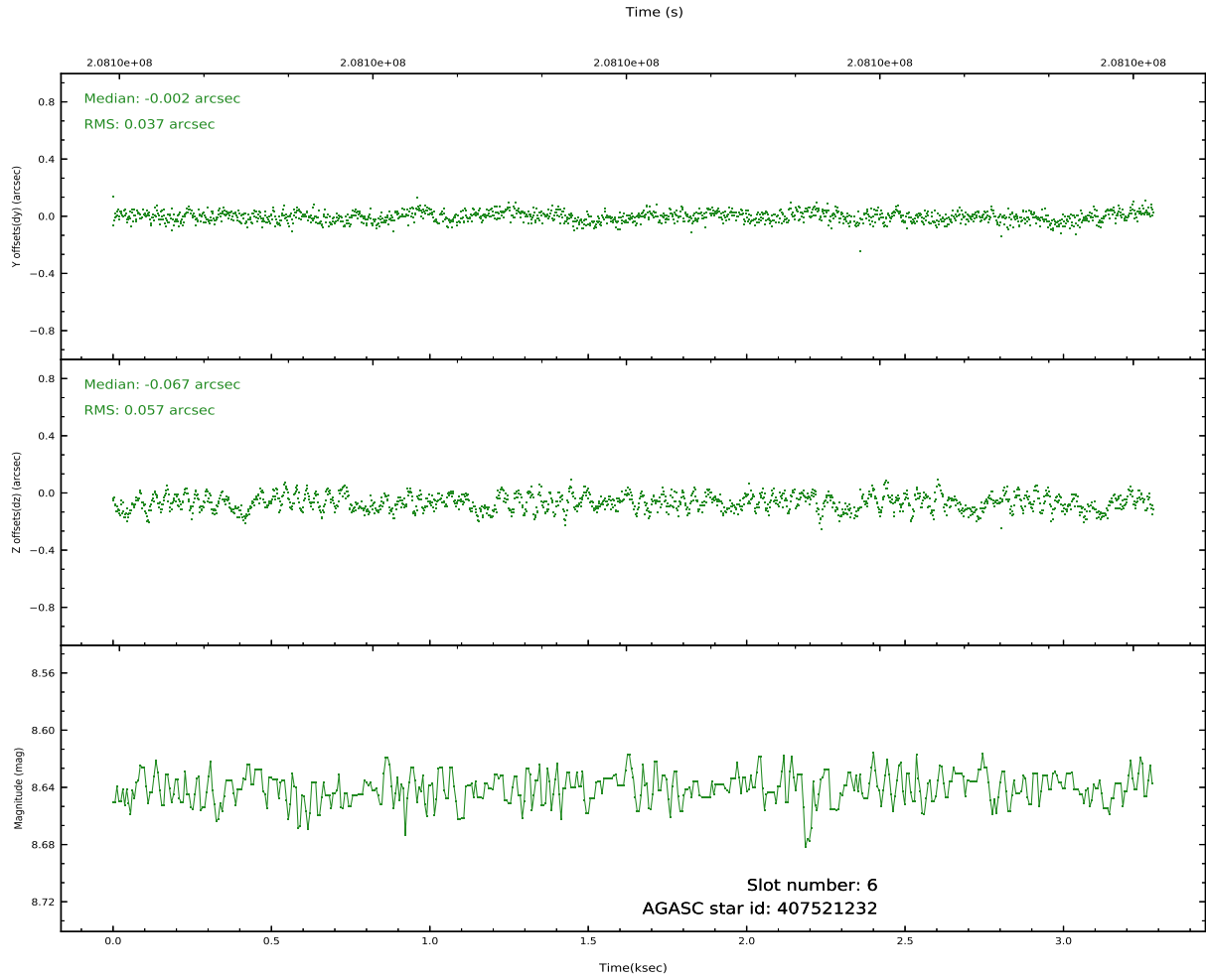
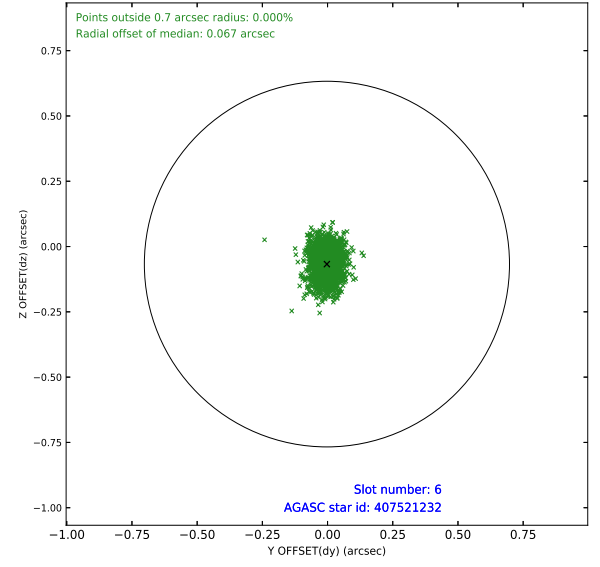
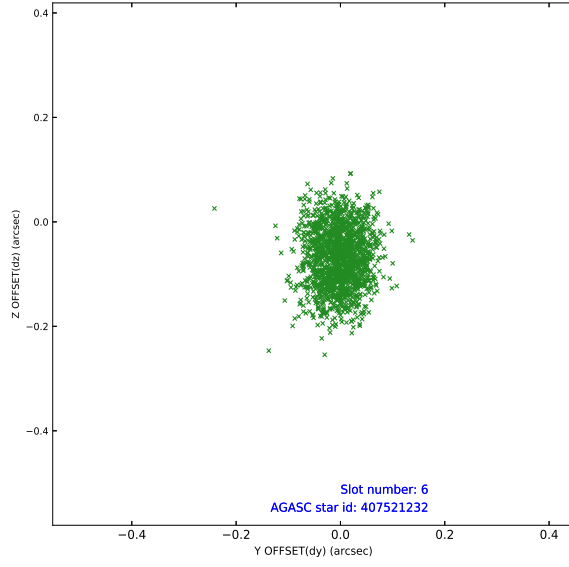
2.4.2 Slot 4



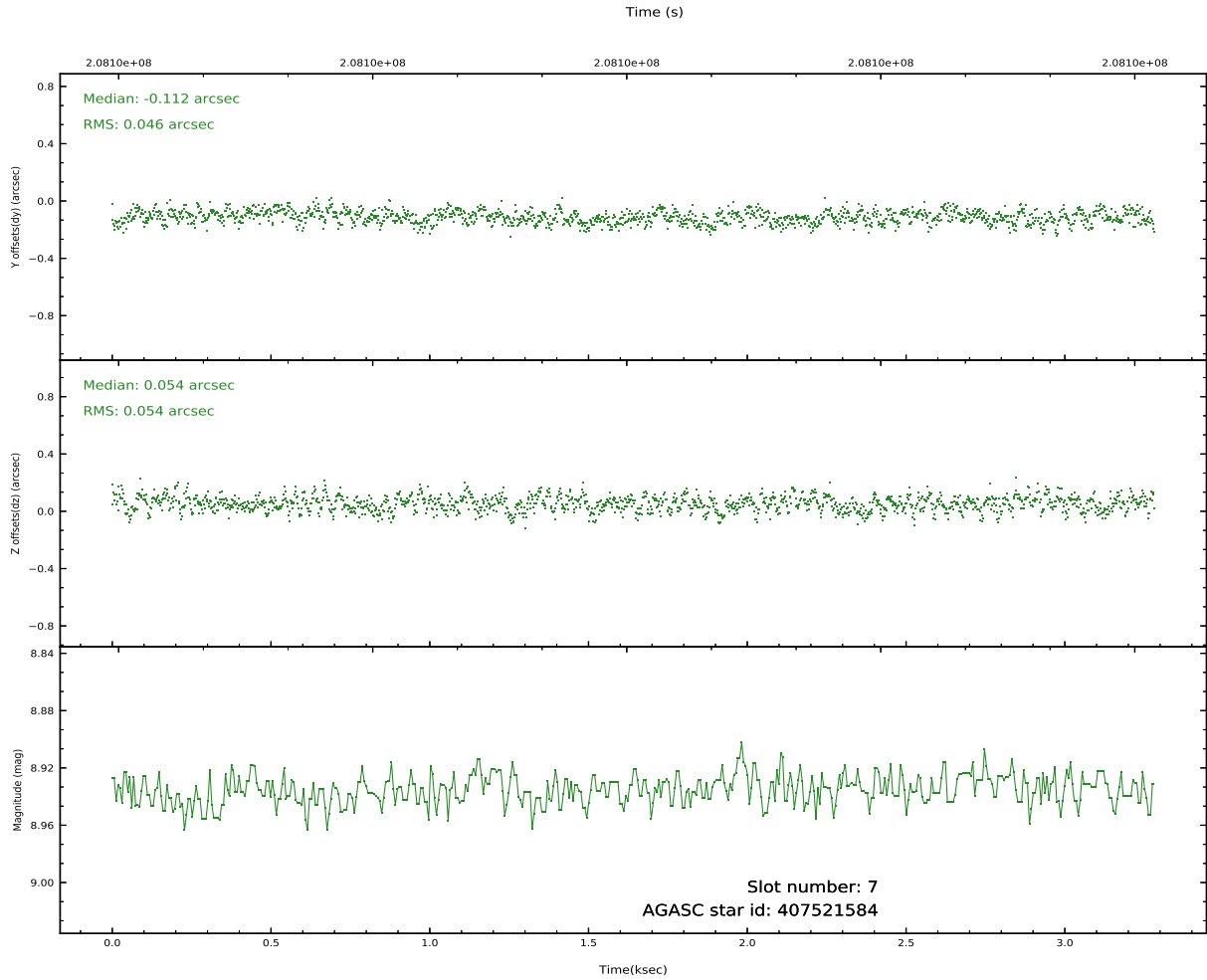
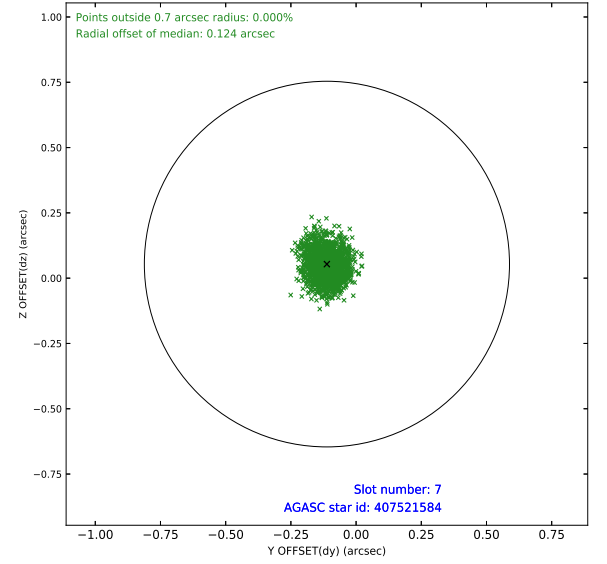
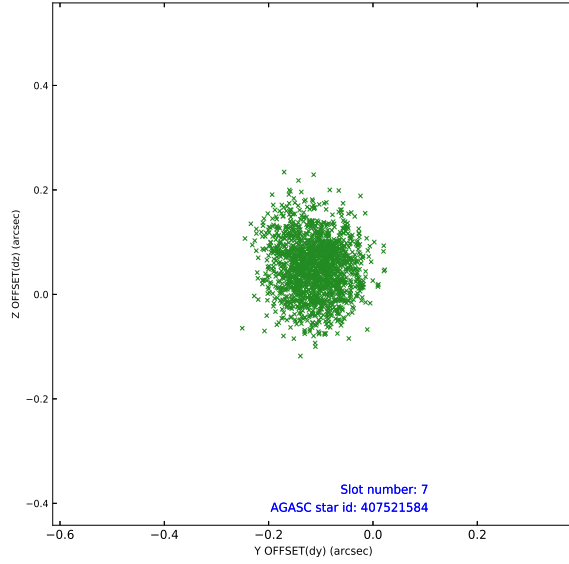
2.4.3 Slot 5



2.4.4 Slot 6

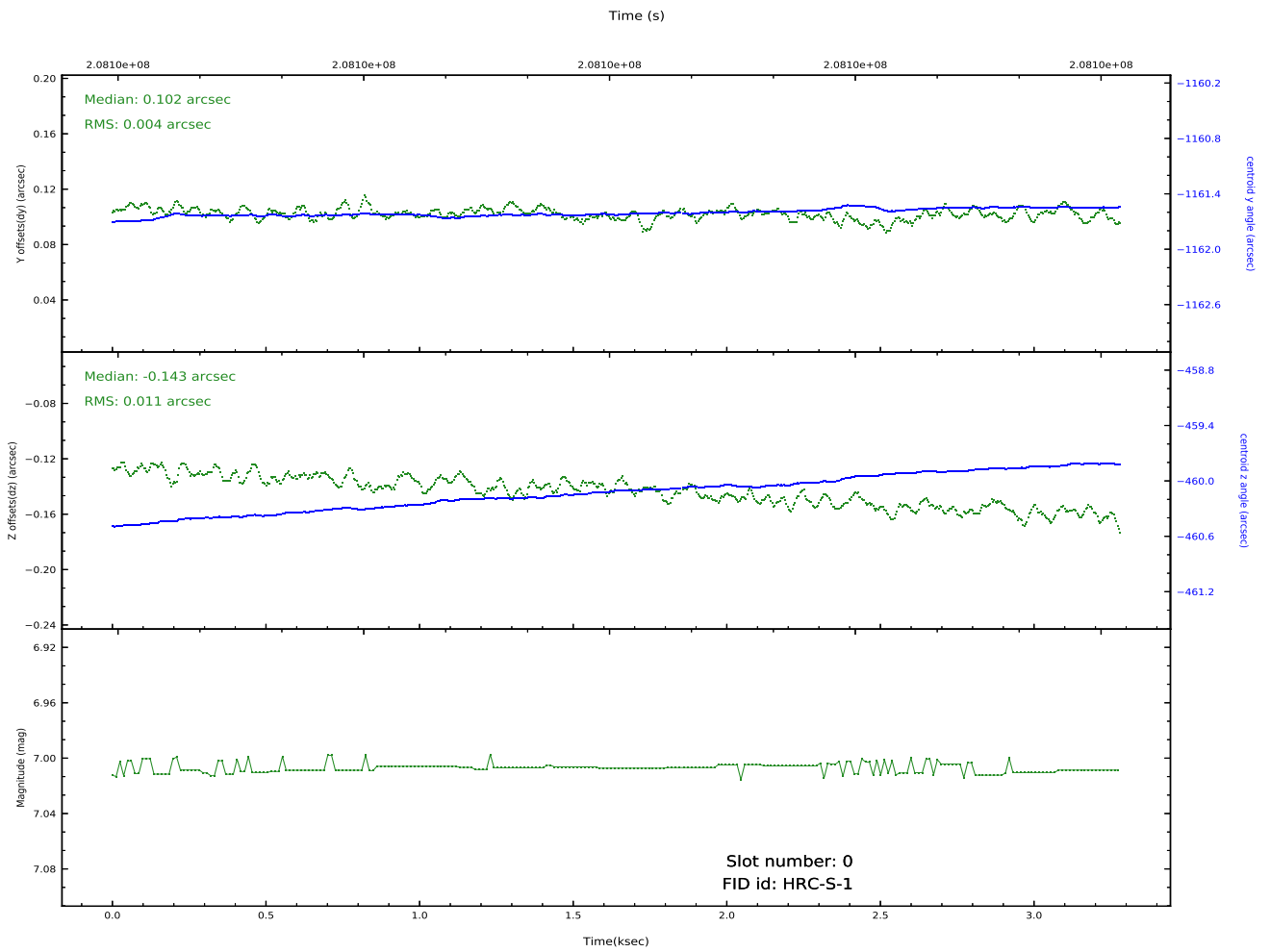
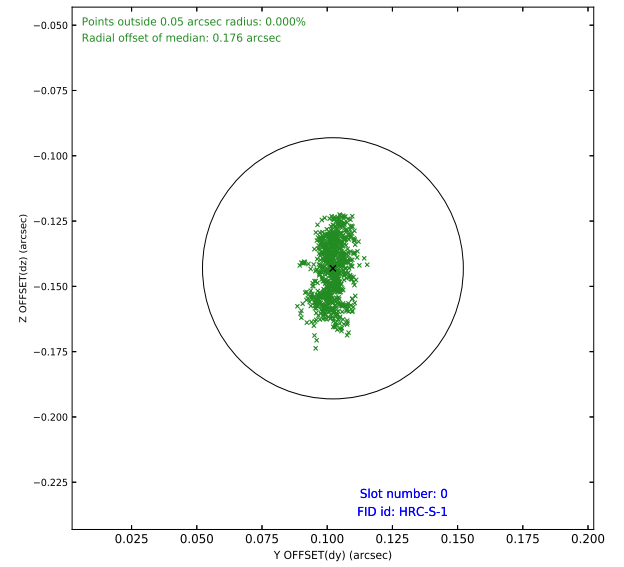
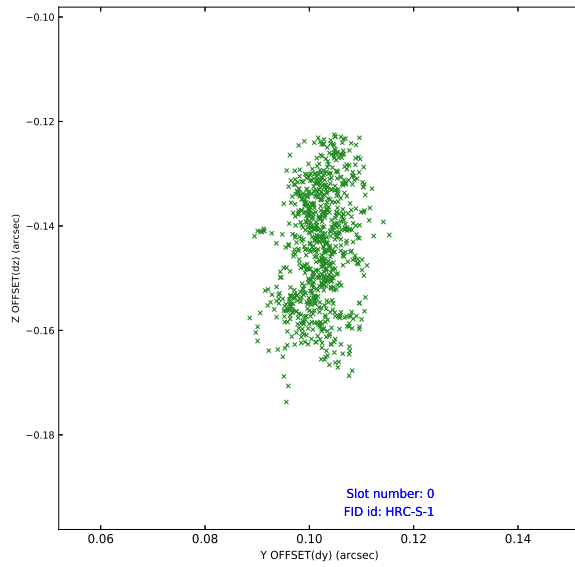


2.4.5 Slot 7

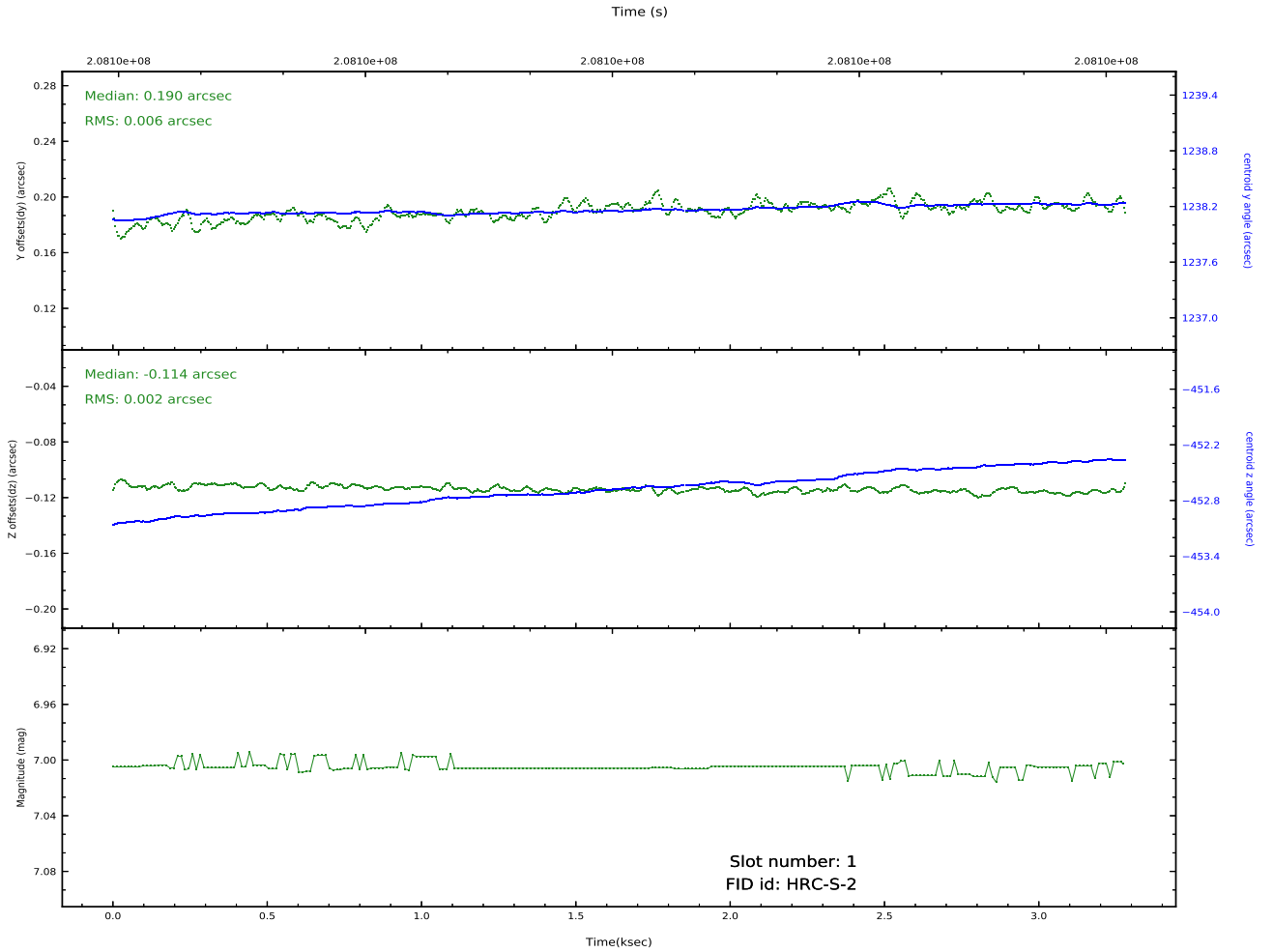
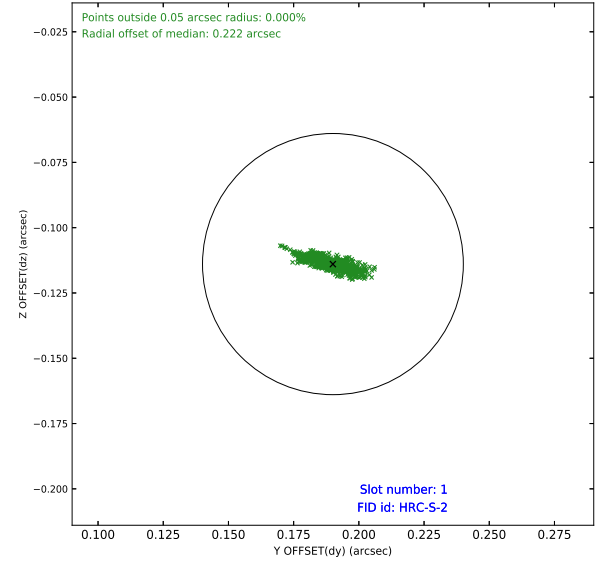
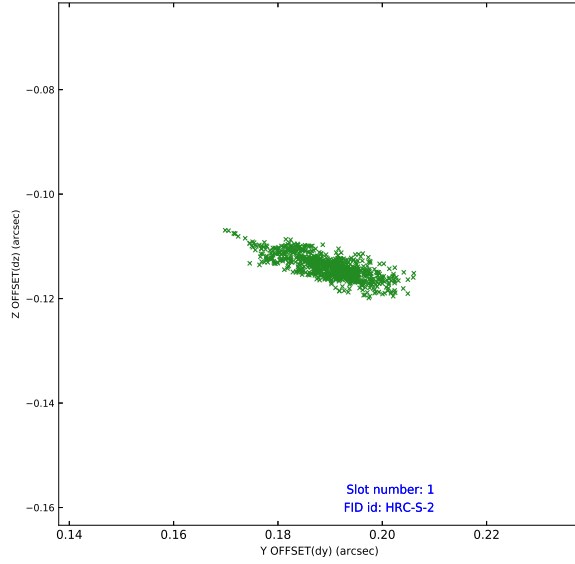


2.5 FID Slots

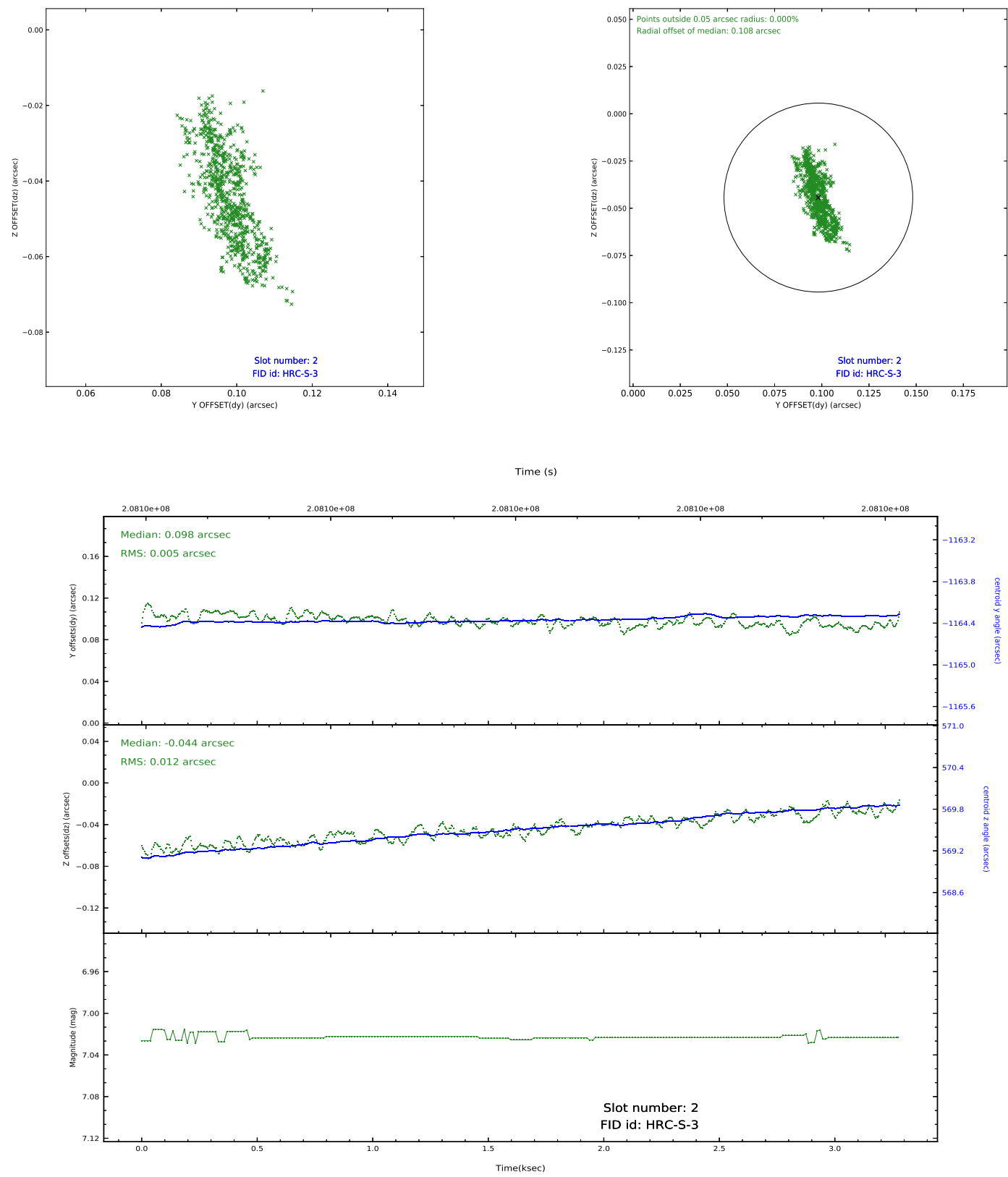
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.283

A.2 Comments

Window constraint was met.