

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5345 - L2 Version 4
Chandra X-Ray Center

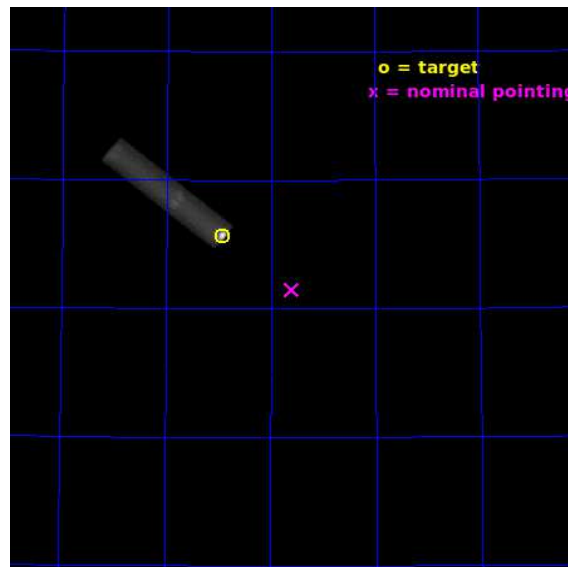
L2 Processing Date : Sep 28 2020

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1 Front

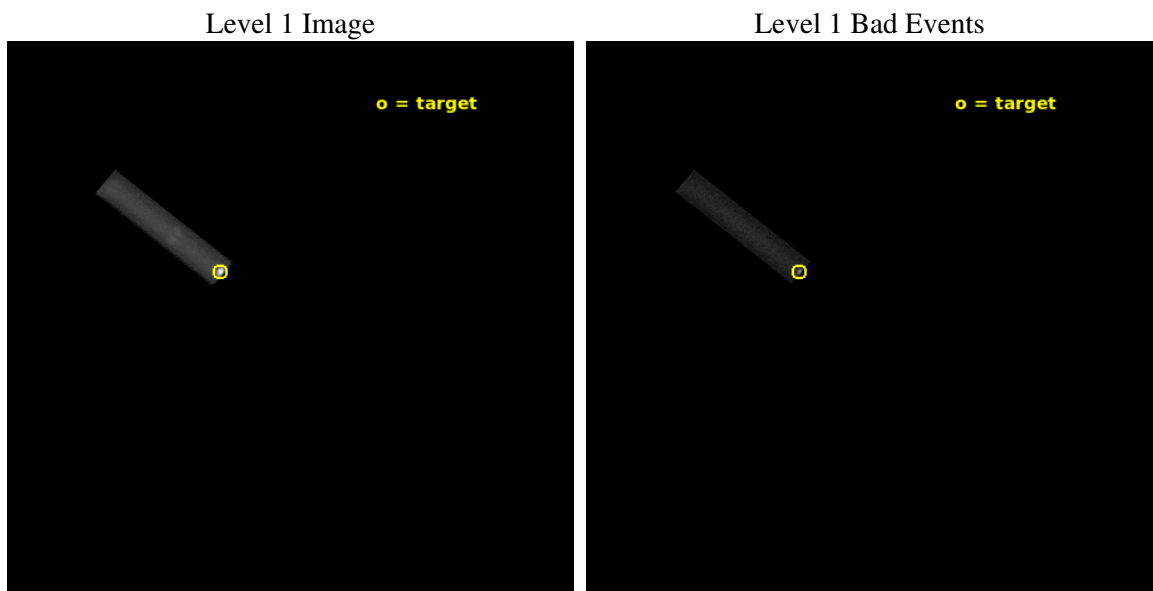
seq_num	290442	Sequence number
obs_id	5345	Observation id
title	Monitoring the health of the HRC UV Ion shield	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.8988863831	Nominal RA [deg]
dec_nom	38.574086037534	Nominal Dec [deg]
roll_nom	219.35908855102	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3287.4313961864	[s]
livetime	1094.738848811	Ontime multiplied by DTCOR
l2events	505348	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	3287.4313961864	[s]
caldsver	4.9.2	 	l1events	698913	Number of level 1 events
date	2020-09-28T05:51:26	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

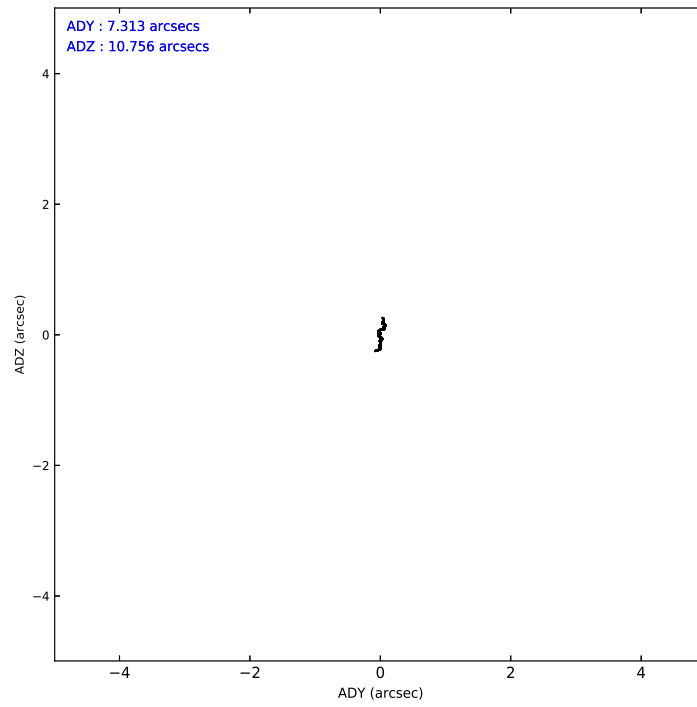
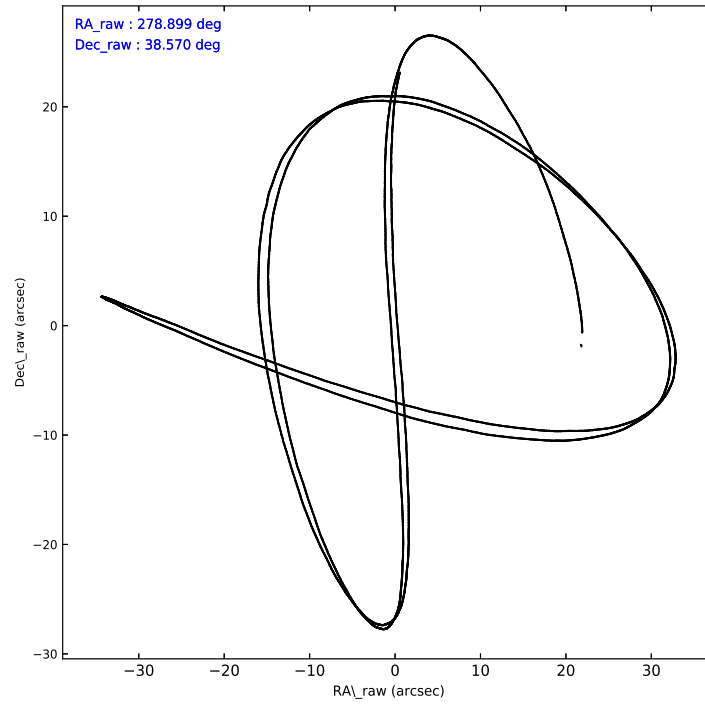
Level 1 Events

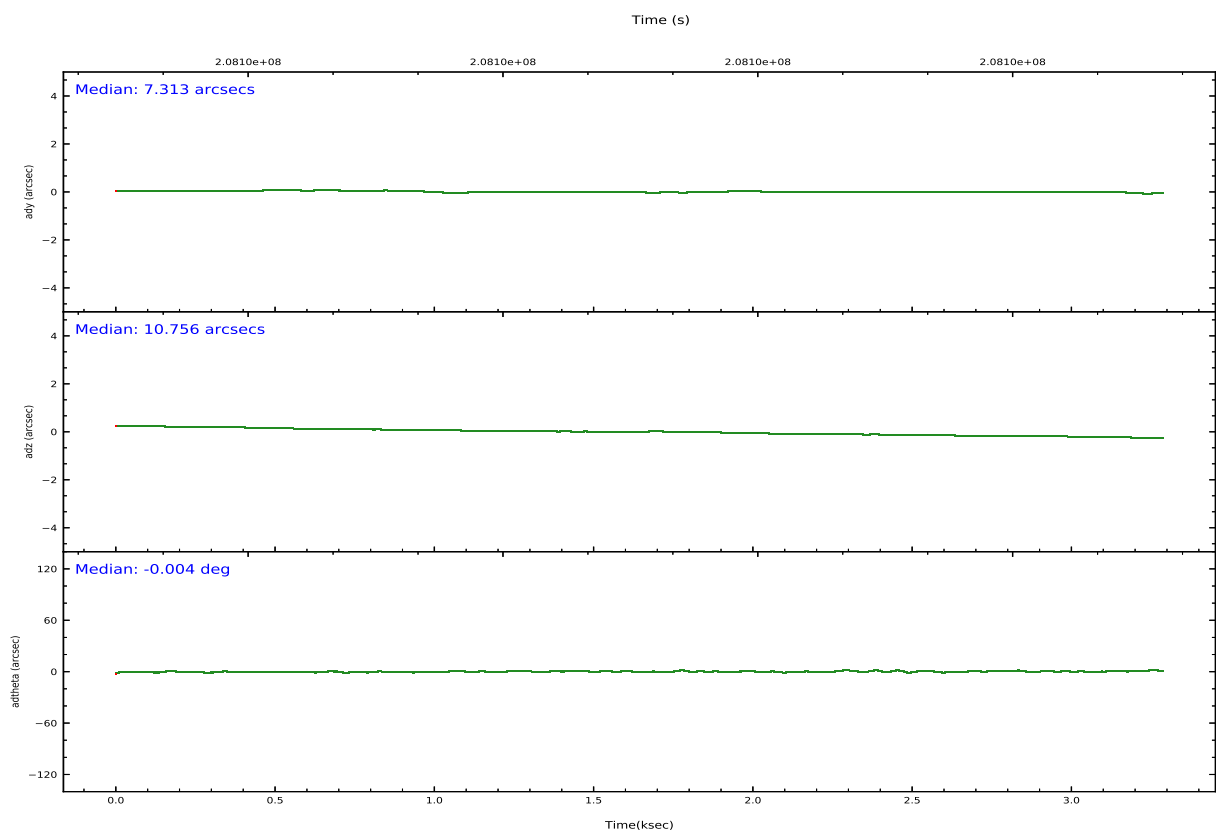
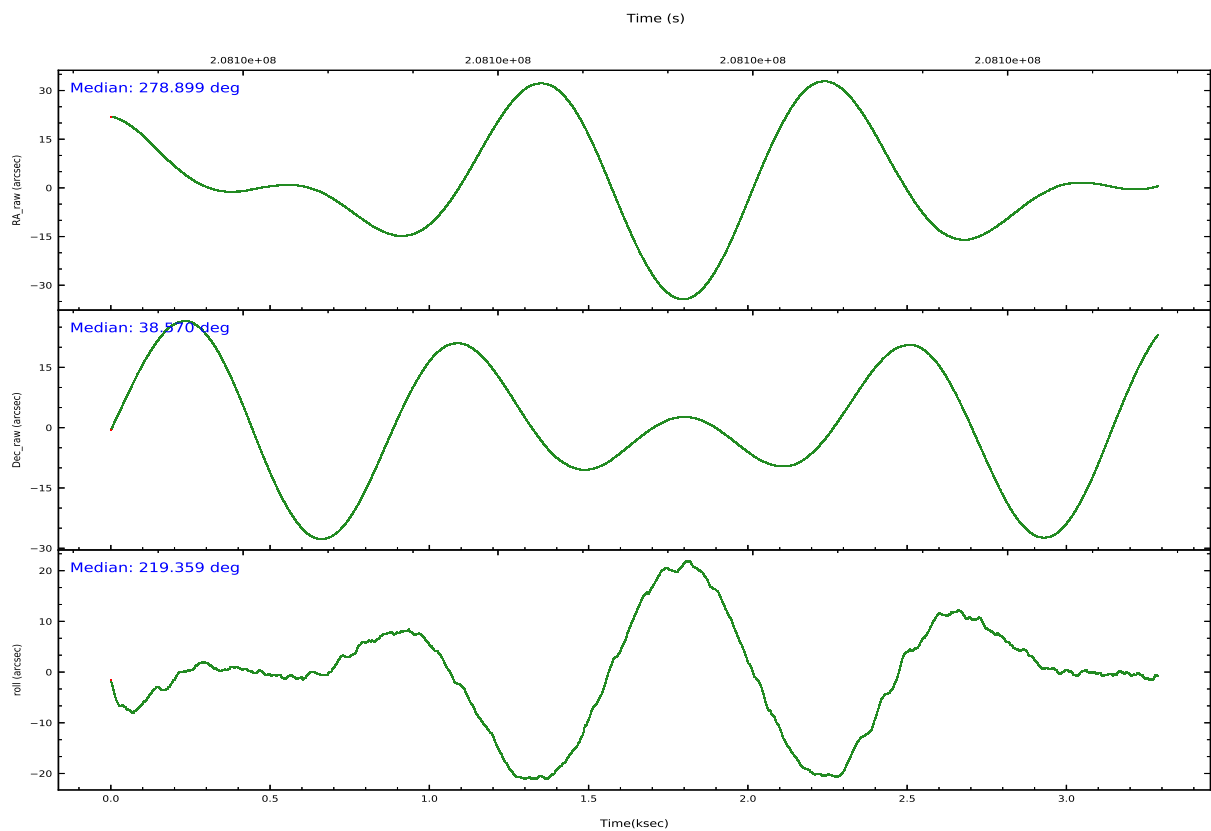
	segment 1	segment 2	segment 3
level 1 events	698913	0	0
rejected events	92709	0	0
rejected %	13%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar version number	8	8
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	278.910509	278.8988863831			
[deg] Pointing Dec	38.597522	38.574086037534			
[deg] Pointing Roll	219.287476	219.35908855102			
[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)	208100573.184000	208100197.35041			
Observation start date	2004-08-05T13:41:49	2004-08-05T13:36:37			
[s] Observation end time (MET)	208103673.184000	208104413.17559			
Observation end date	2004-08-05T14:33:29	2004-08-05T14:46:53			

2.3 Aspect



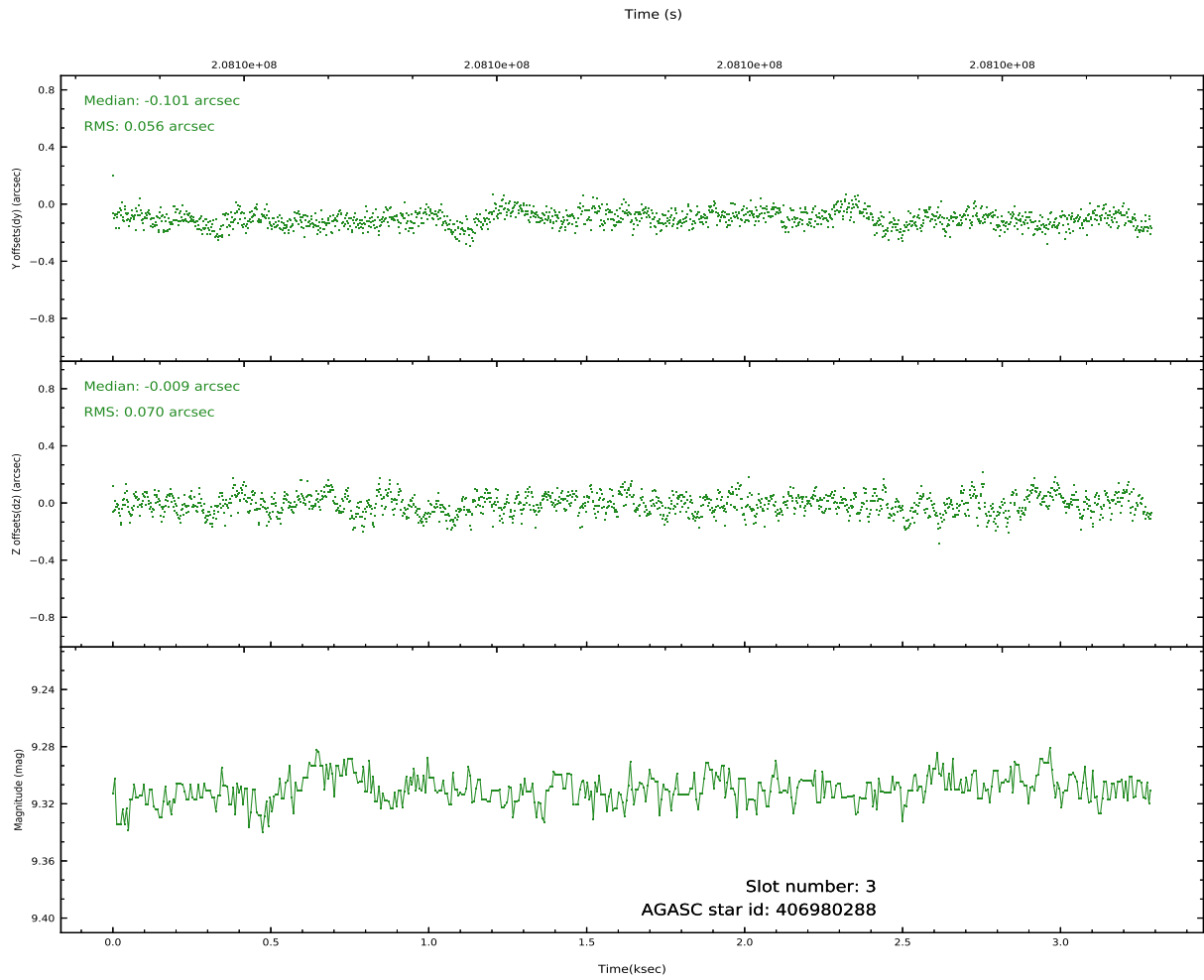
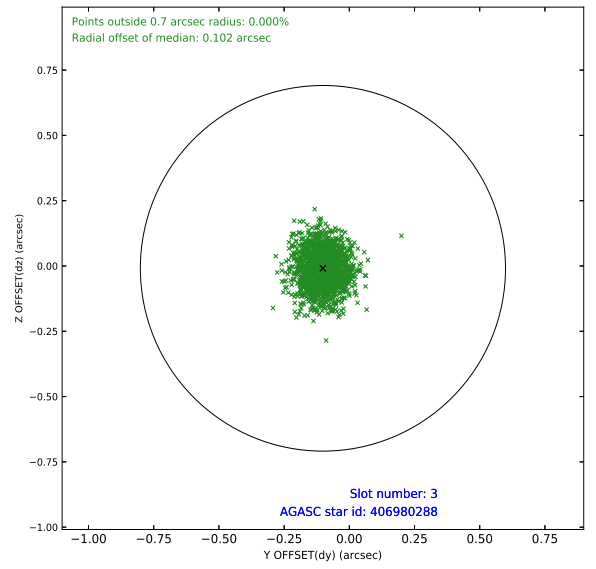
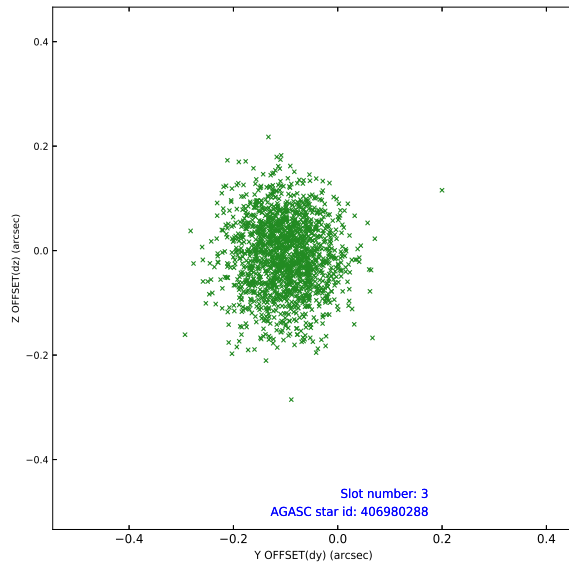


Slot Statistics

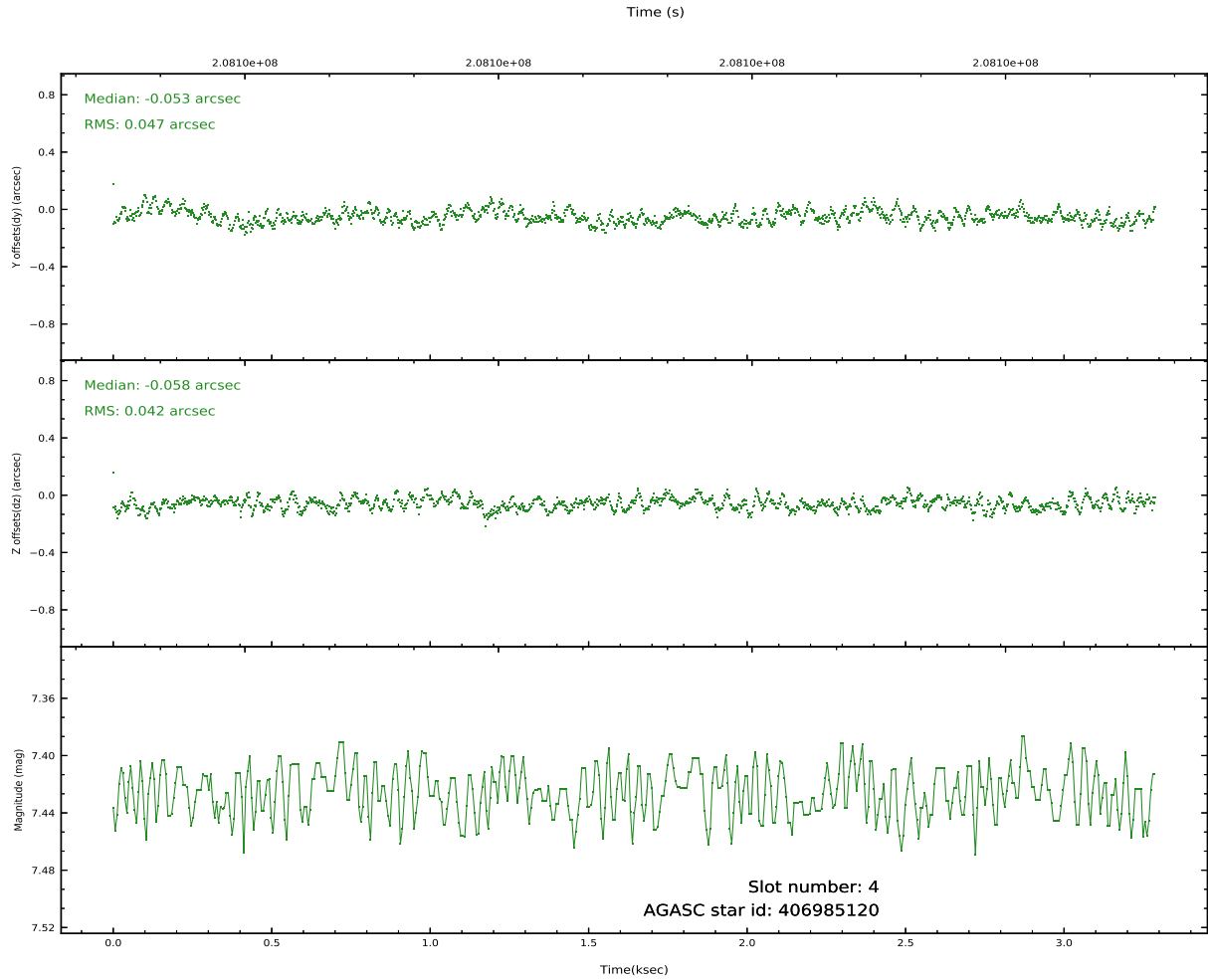
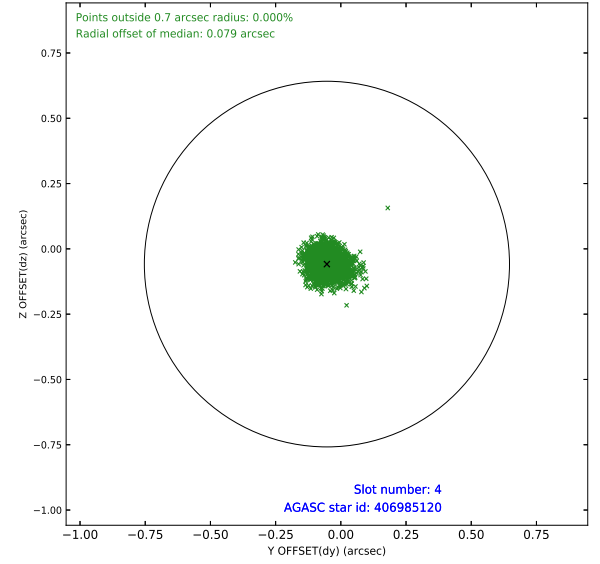
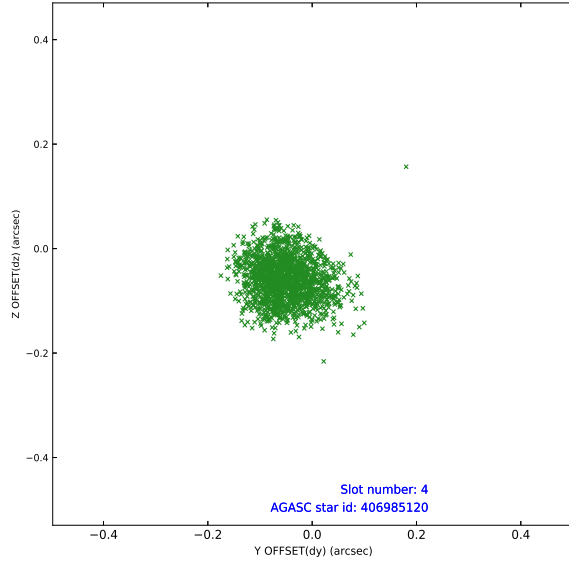
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	803	1.000	0.103	-0.179	0.010	0.016	0.000000	0.000000	-1161.49	-459
1	FID		HRC-S-2	7.00	803	1.000	0.194	-0.116	0.005	0.009	0.000000	0.000000	1236.83	-452
2	FID		HRC-S-3	7.02	803	1.000	0.092	-0.007	0.010	0.016	0.000000	0.000000	-1162.70	569
3	GUIDE	used	406980288	9.31	1604	1.000	-0.101	-0.009	0.096	0.157	278.903147	39.061646	-1042.85	-1306
4	GUIDE	used	406985120	7.42	1604	1.000	-0.053	-0.058	0.067	0.105	278.839732	38.894839	-524.41	-954
5	GUIDE	used	406987384	8.95	1604	1.000	0.074	-0.021	0.078	0.126	278.815518	38.115336	1307.36	1172
6	GUIDE	used	406990192	8.99	1601	1.000	0.132	0.038	0.071	0.121	278.510952	38.533654	1016.36	-535
7	GUIDE	used	406993992	7.62	1603	1.000	-0.053	0.051	0.069	0.111	279.053714	38.034587	969.51	1825

2.4 Star Slots

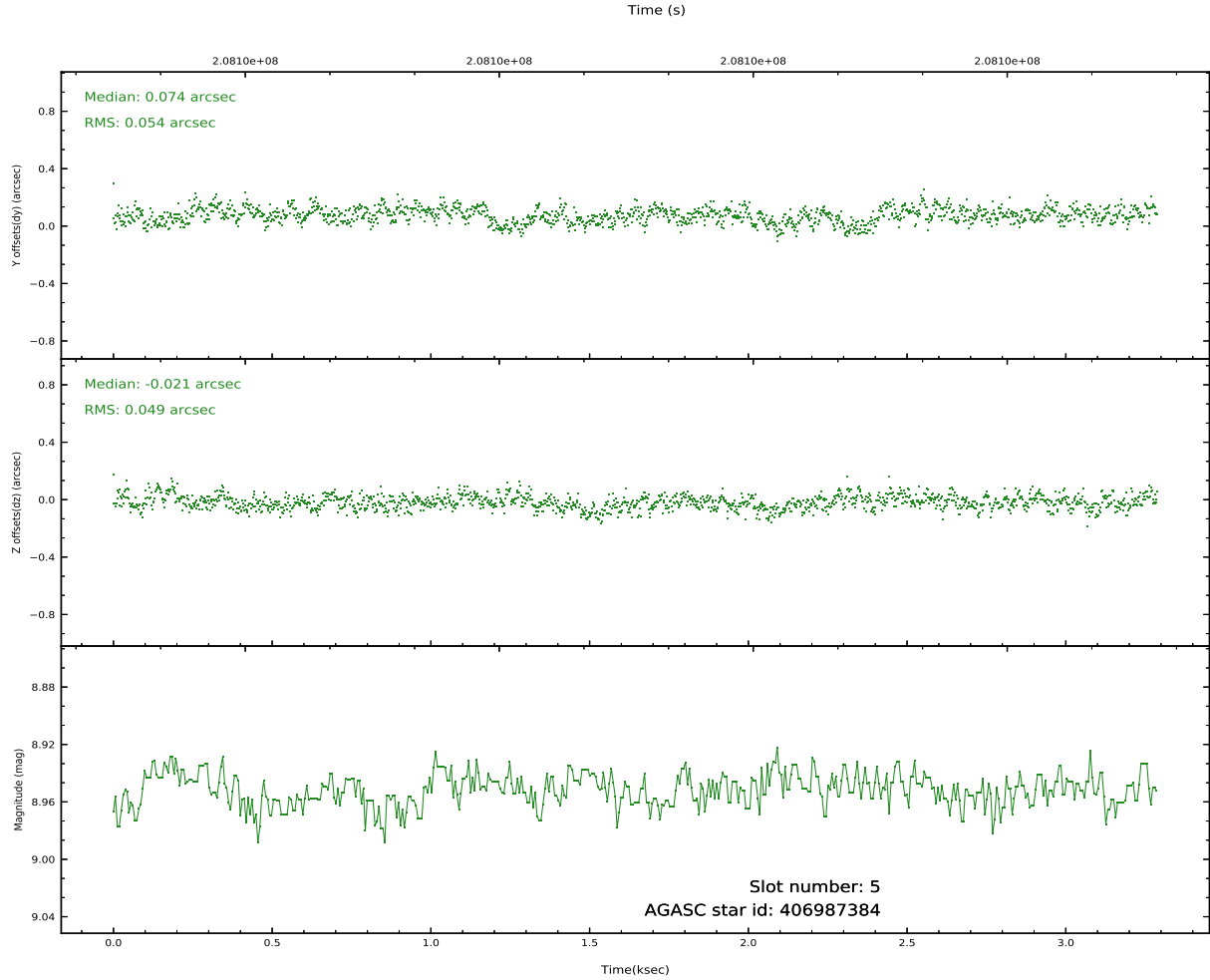
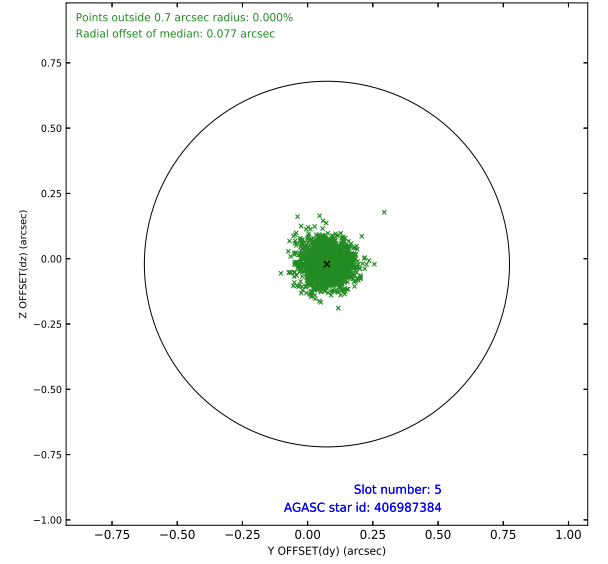
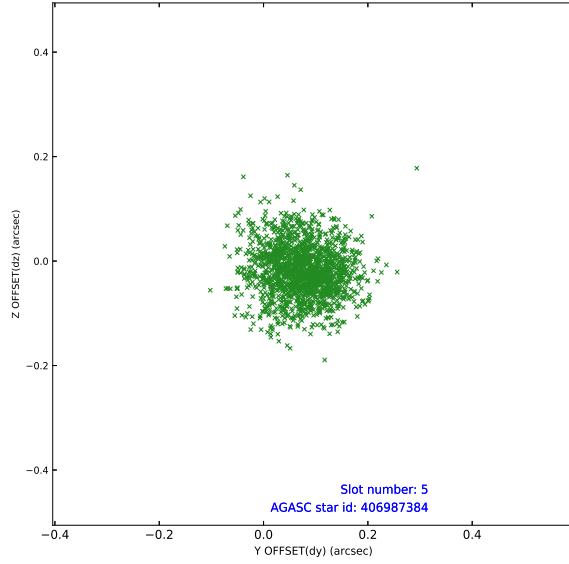
2.4.1 Slot 3



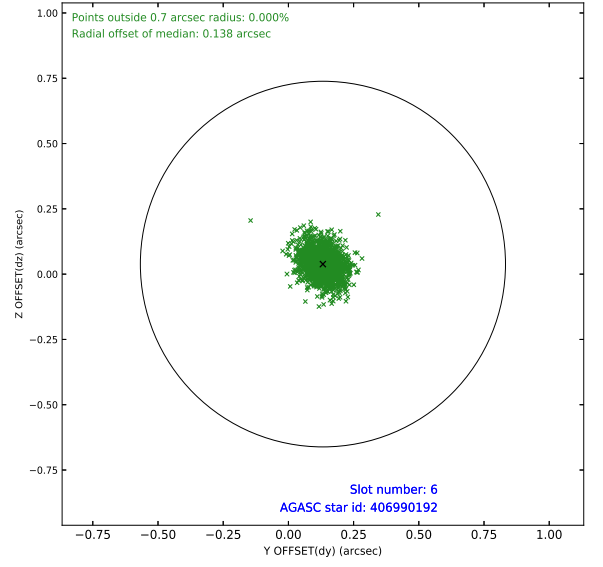
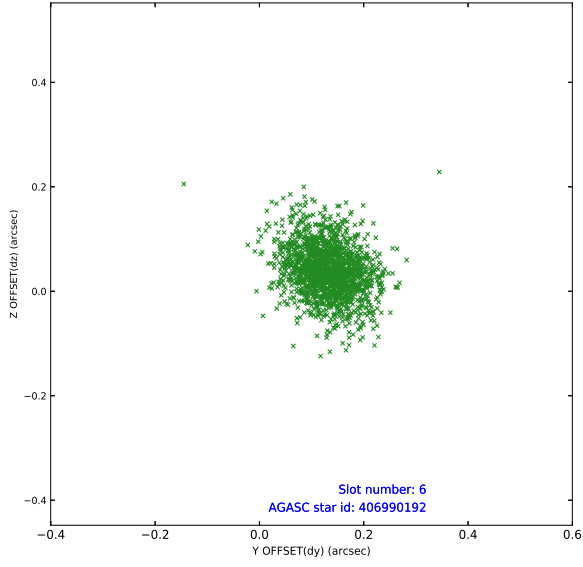
2.4.2 Slot 4



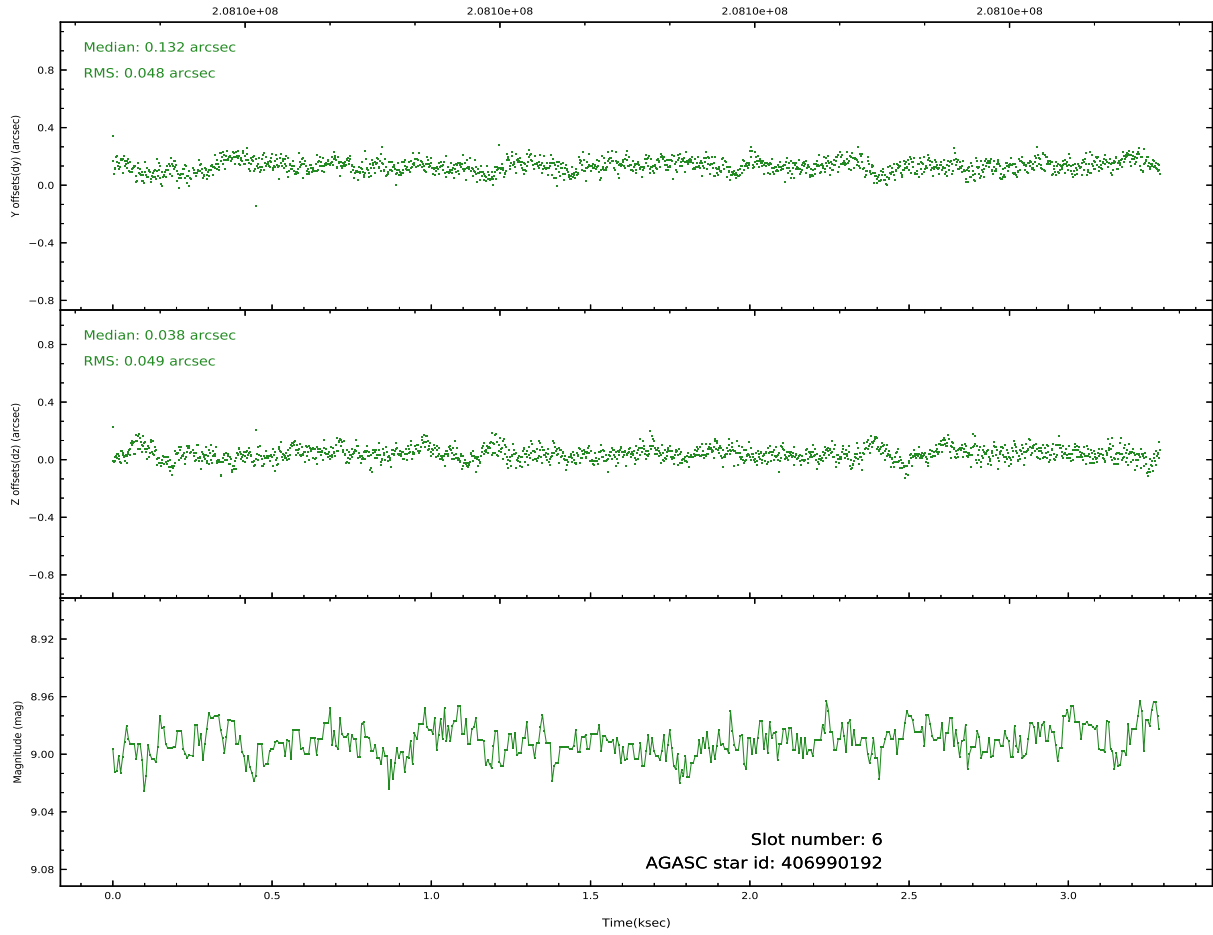
2.4.3 Slot 5



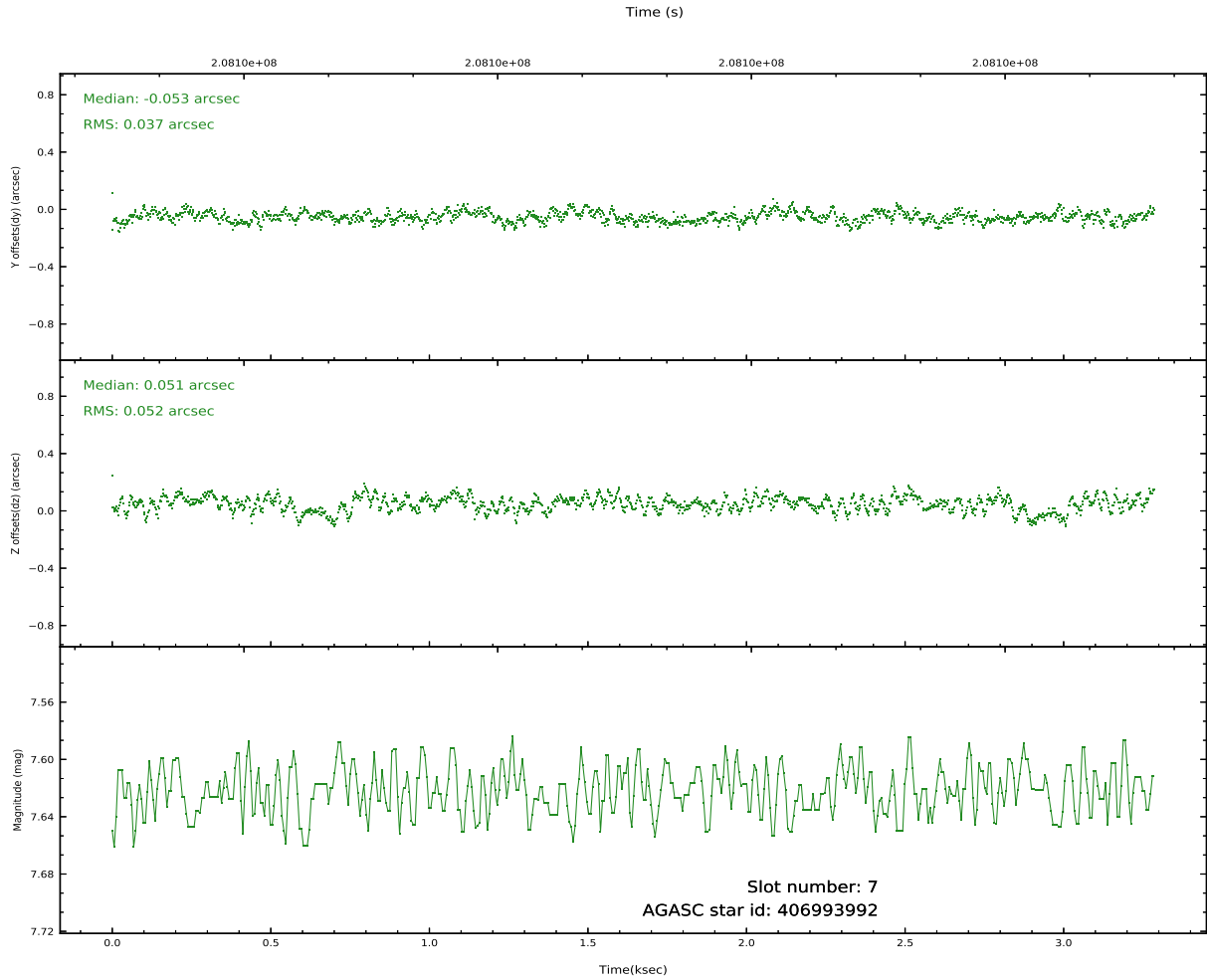
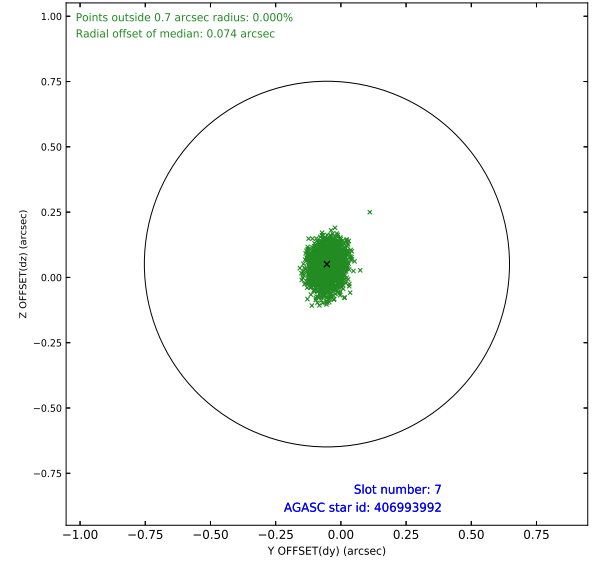
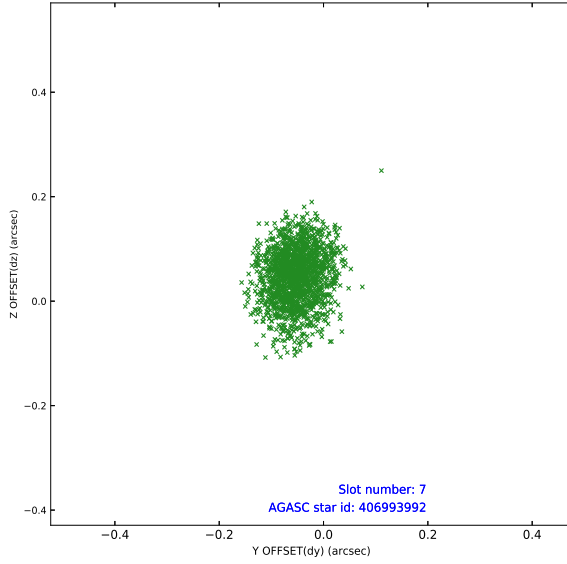
2.4.4 Slot 6



Time (s)

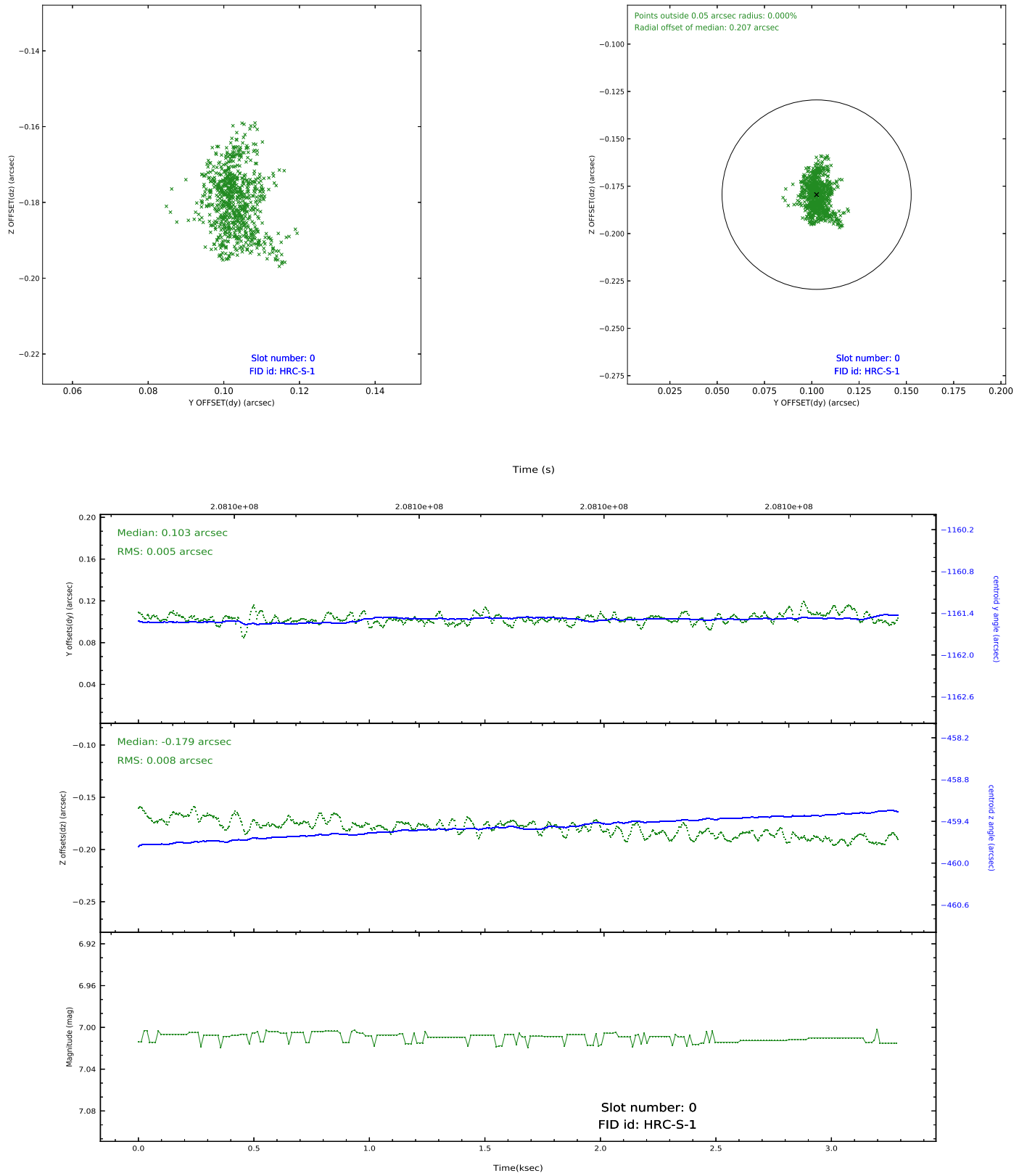


2.4.5 Slot 7

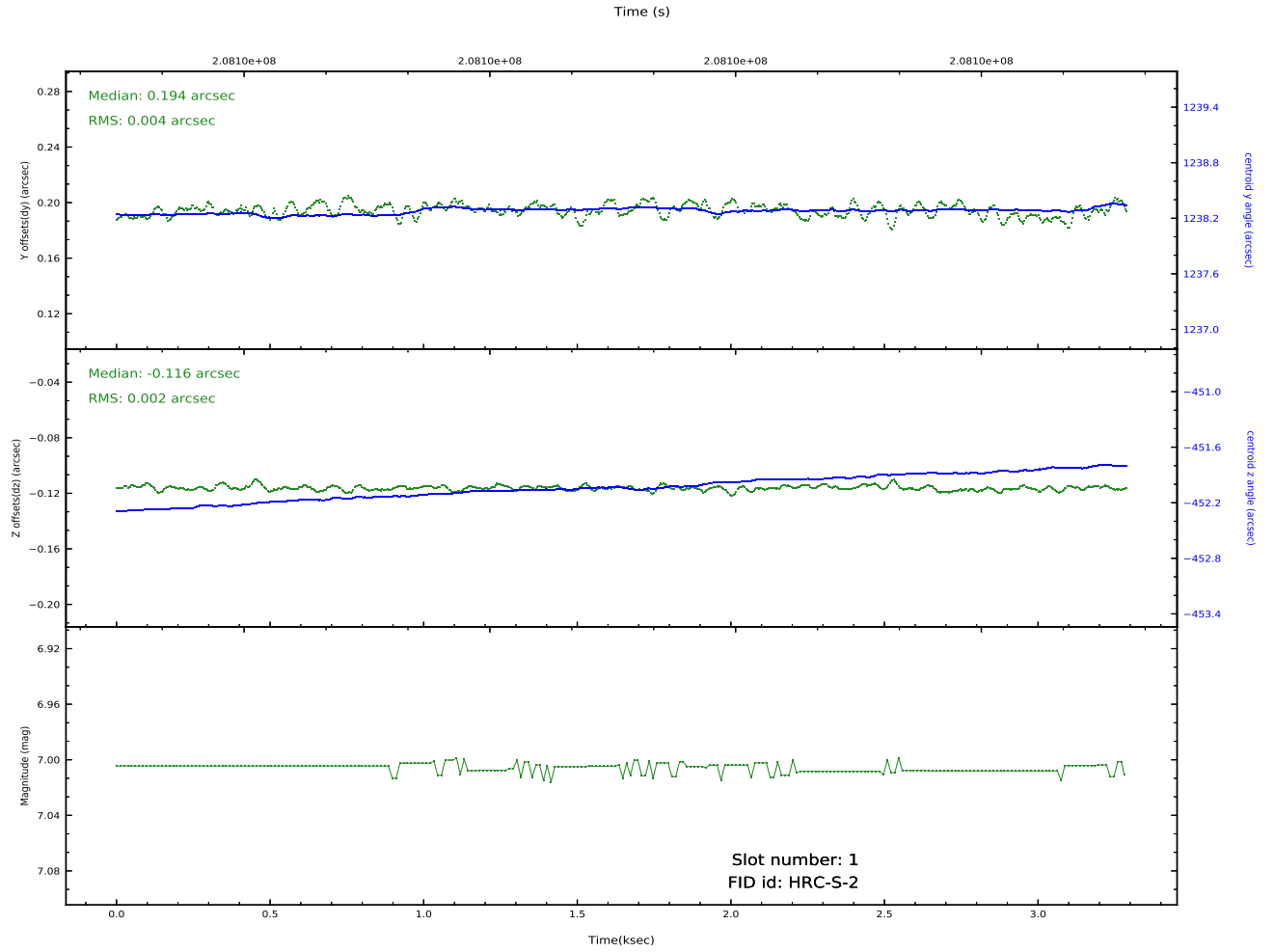
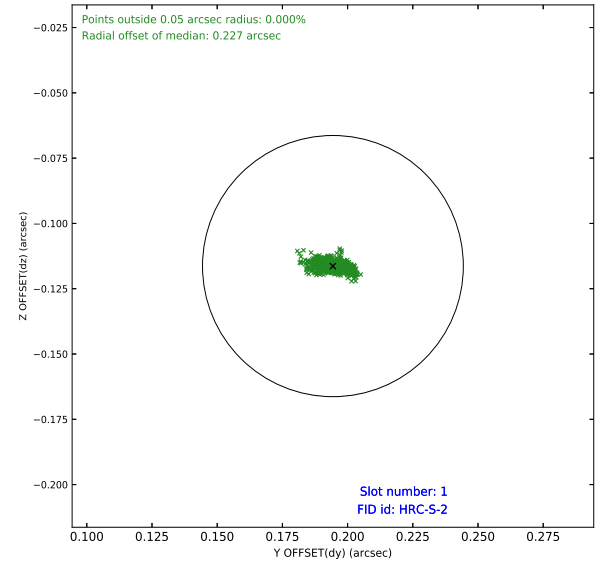
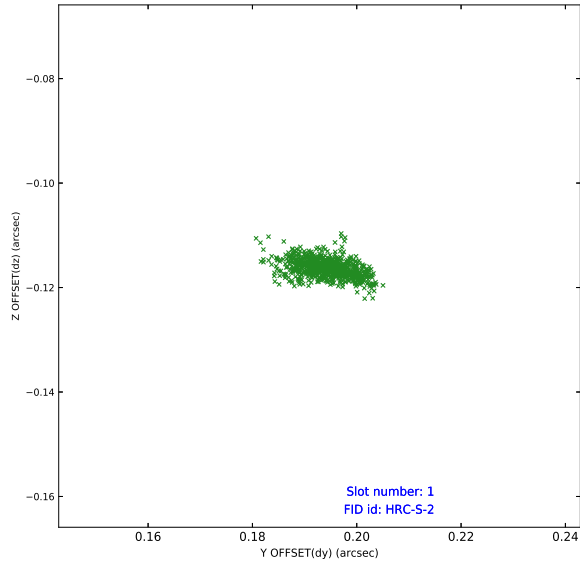


2.5 FID Slots

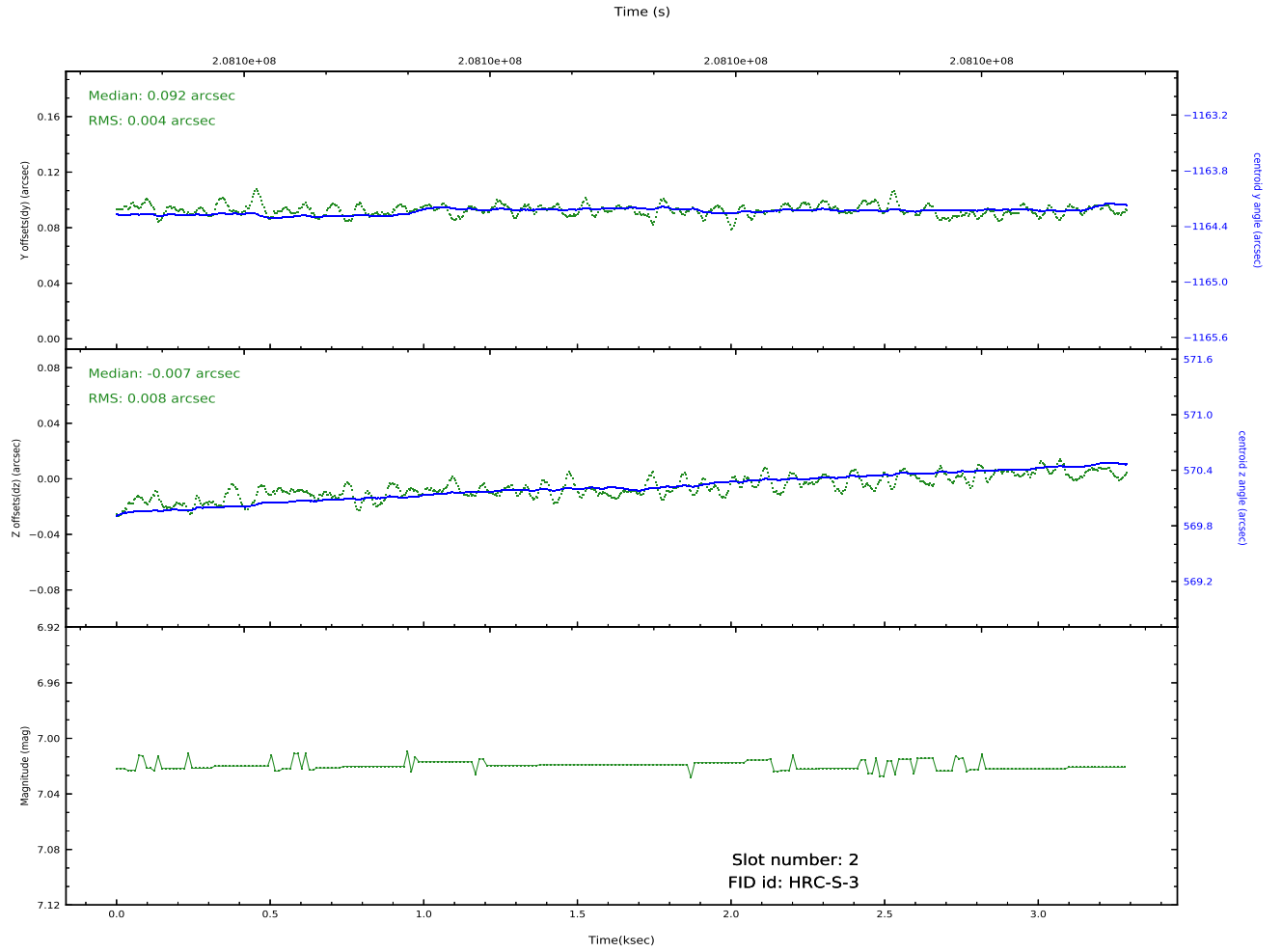
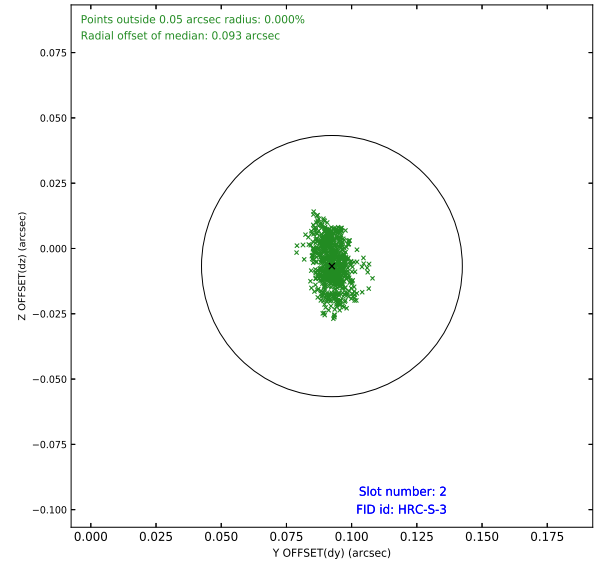
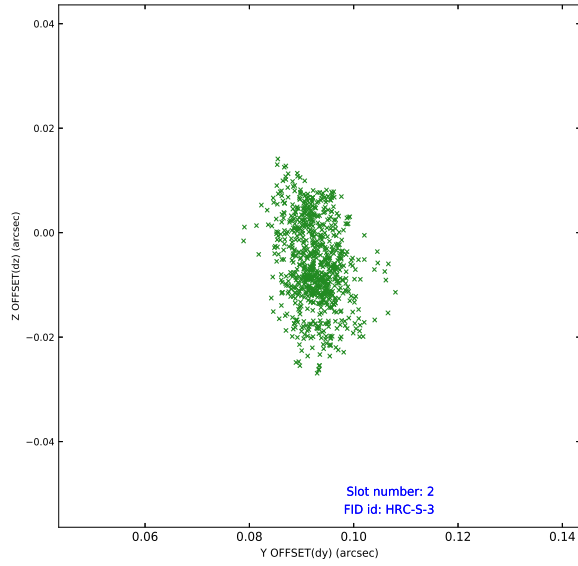
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.287

A.2 Comments

Window constraint met.