

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5102 - L2 Version 4
Chandra X-Ray Center

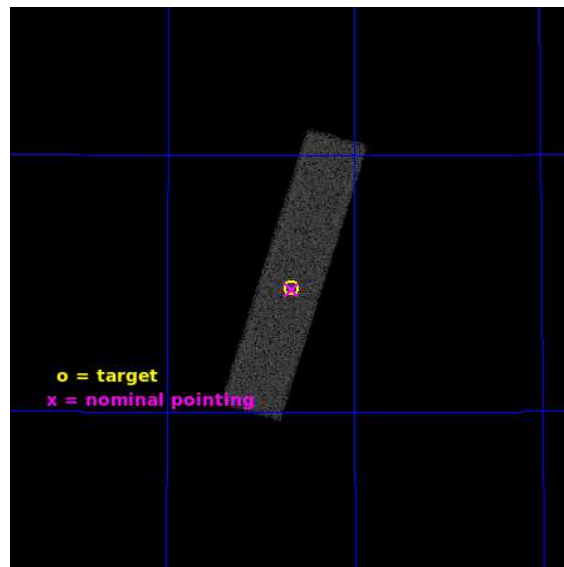
L2 Processing Date : Oct 5 2020

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1 Front

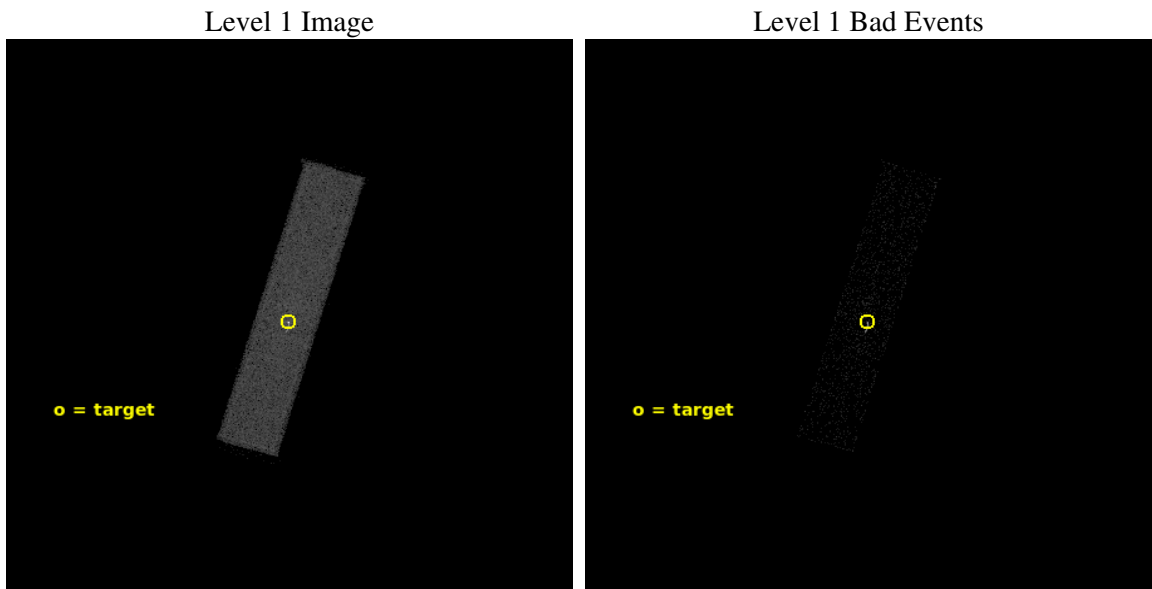
seq_num	290375	Sequence number
obs_id	5102	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16686439814	Nominal RA [deg]
dec_nom	45.738992154379	Nominal Dec [deg]
roll_nom	286.83689752964	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1079.5812985301	[s]
livetime	1072.460323119	Ontime multiplied by DTCOR
l2events	48725	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1079.5812985301	[s]
caldsver	4.9.2	 	l1events	107115	Number of level 1 events
date	2020-10-05T07:57:43	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

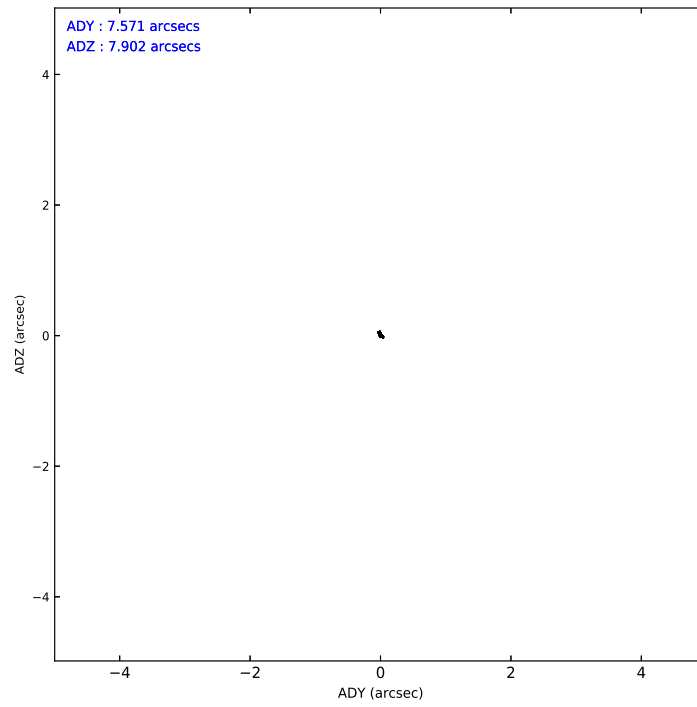
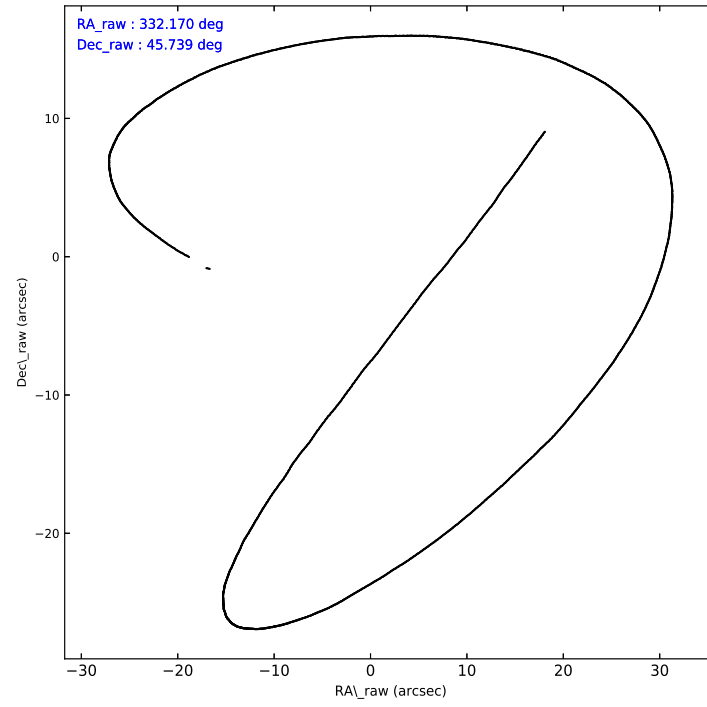
	segment 1	segment 2	segment 3
level 1 events	0	107115	0
rejected events	0	45957	0
rejected %	0%	42%	0%

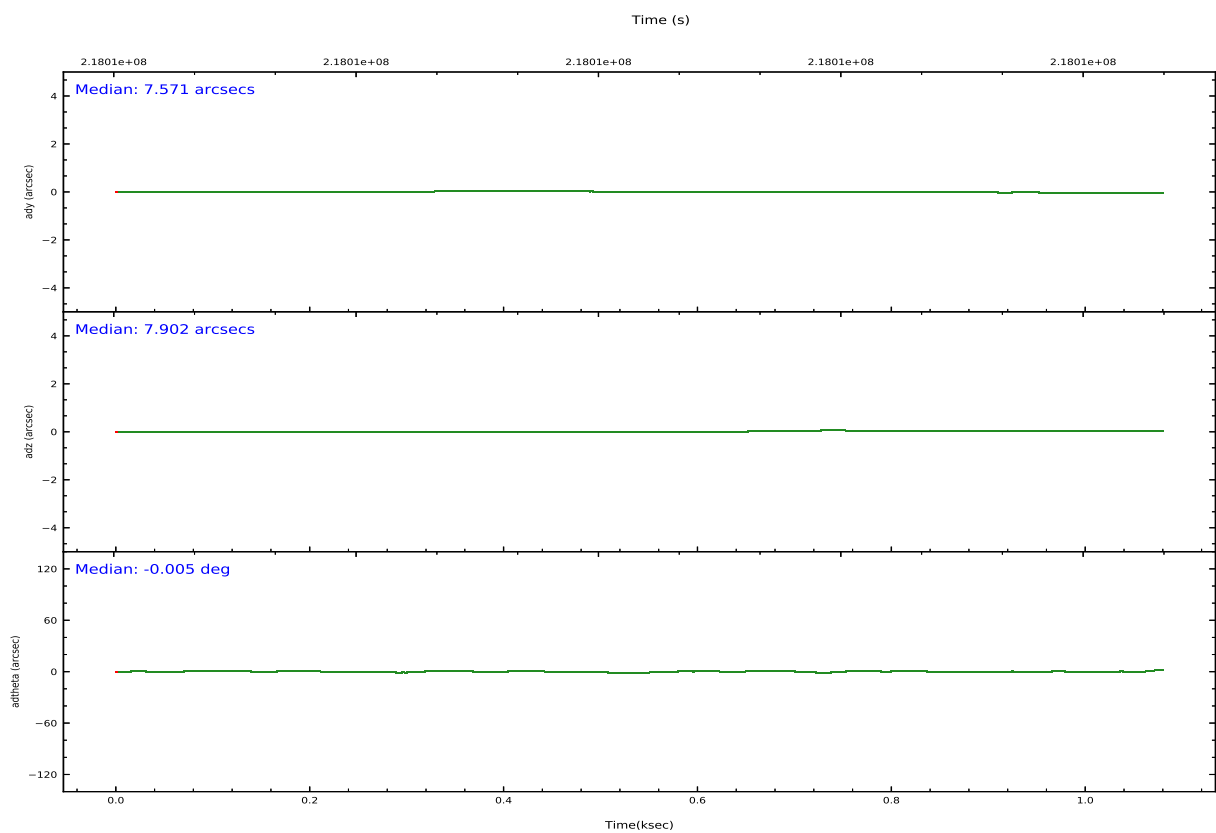
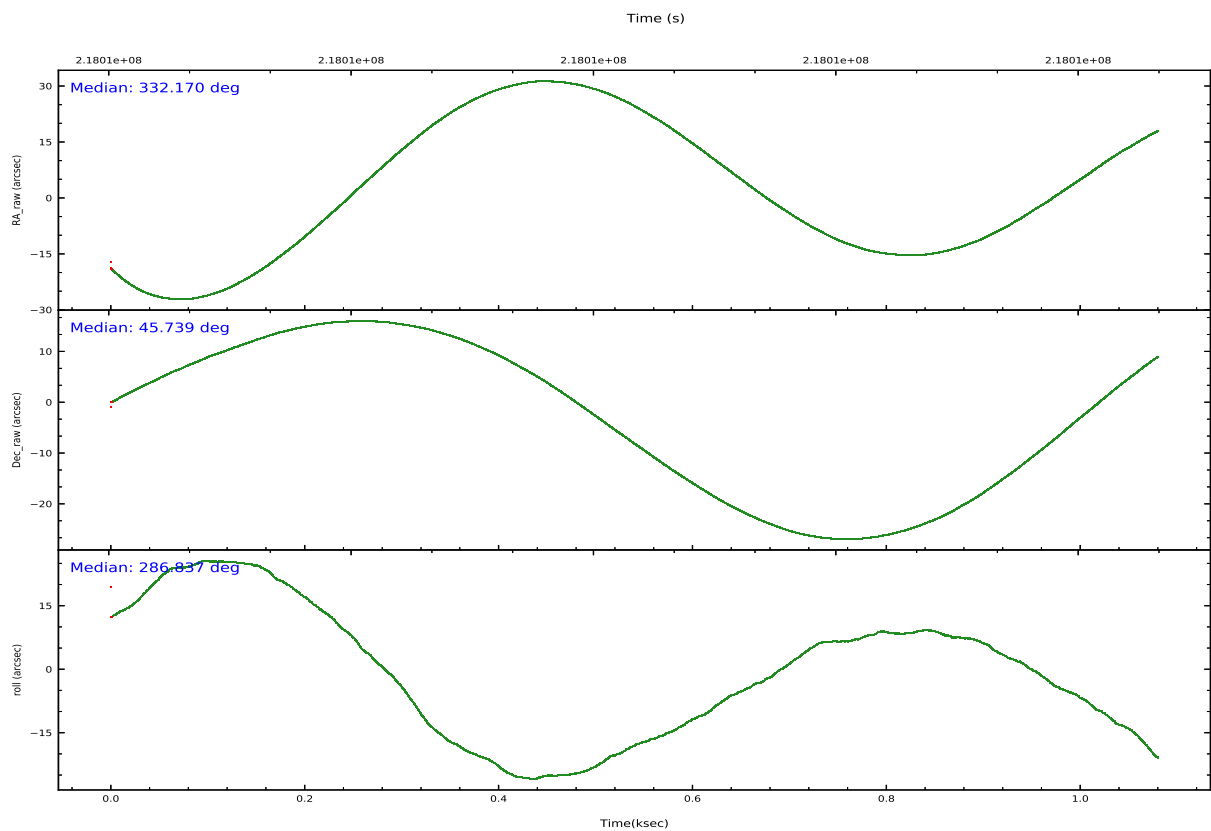
2.2 Compared Parameters

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	332.140516	332.16686439814
[deg] Pointing Dec	45.756292	45.738992154379
[deg] Pointing Roll	286.788371	286.83689752964
[s] Window start time (MET)	210384064.184000	210384064.184000
[s] Window stop time (MET)	220838464.184000	220838464.184000
[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)	218008683.184000	218007755.5432
Observation start date	2004-11-28T05:56:59	2004-11-28T05:42:35
[s] Observation end time (MET)	218009583.184000	218009716.88079
Observation end date	2004-11-28T06:11:59	2004-11-28T06:15:16

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

2.3 Aspect



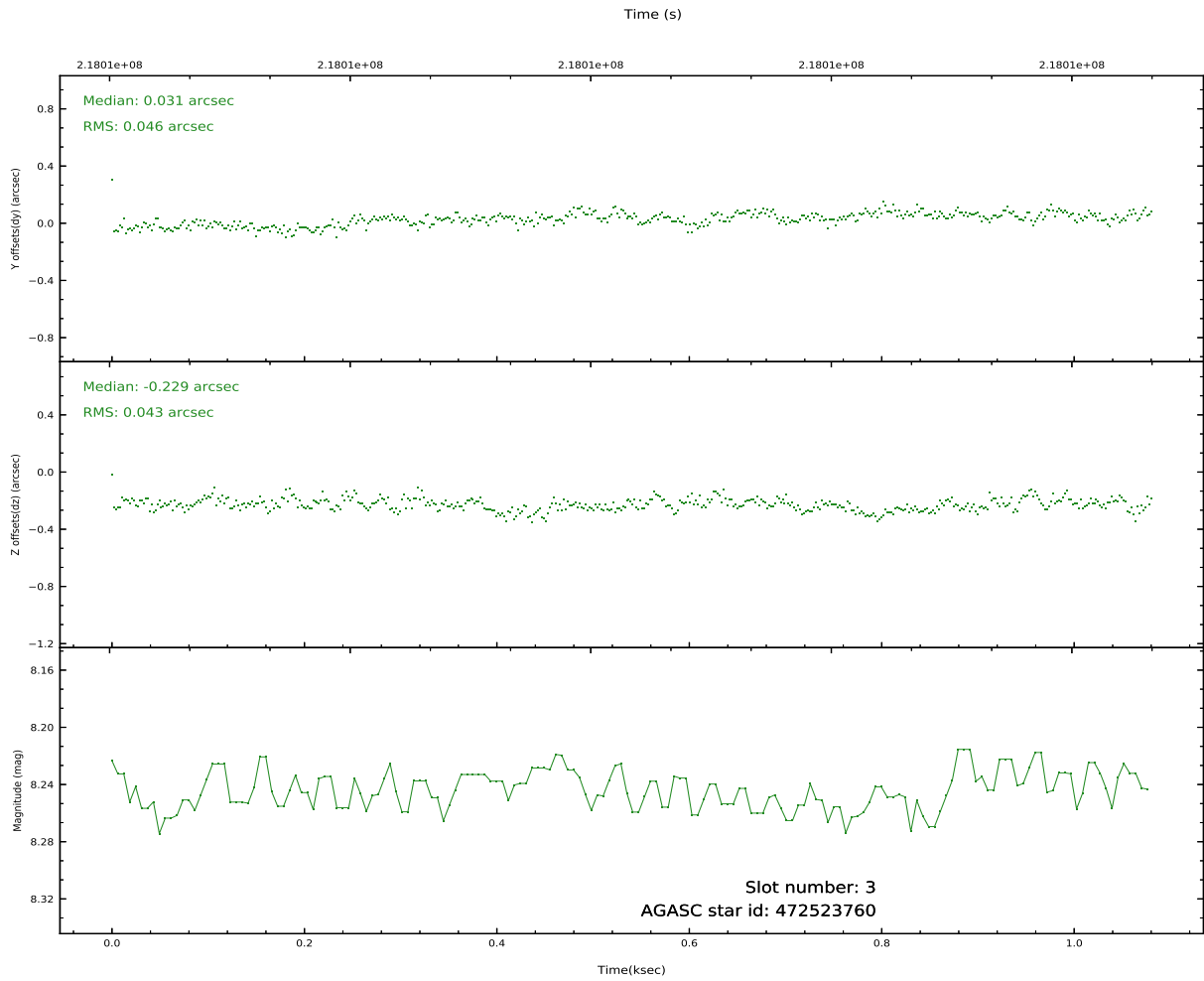
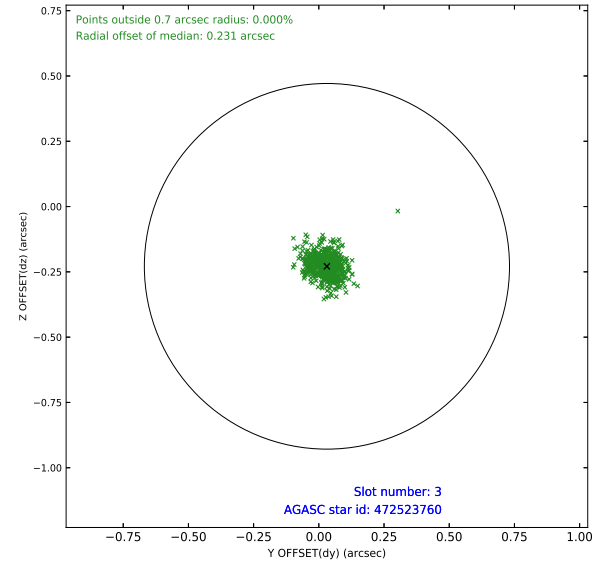
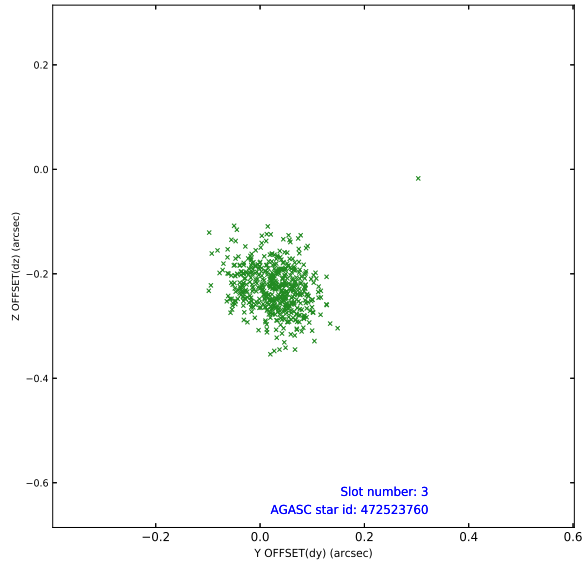


Slot Statistics

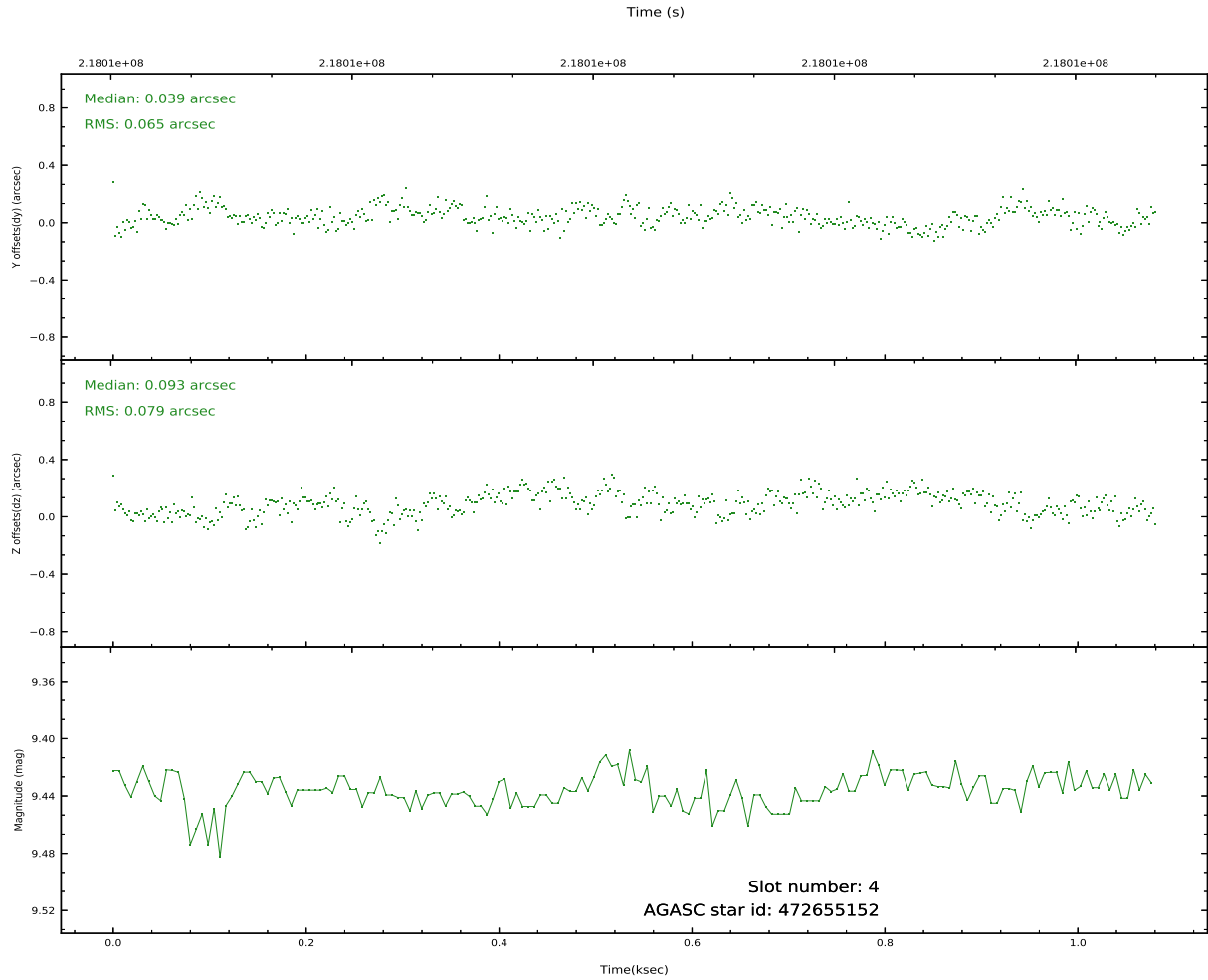
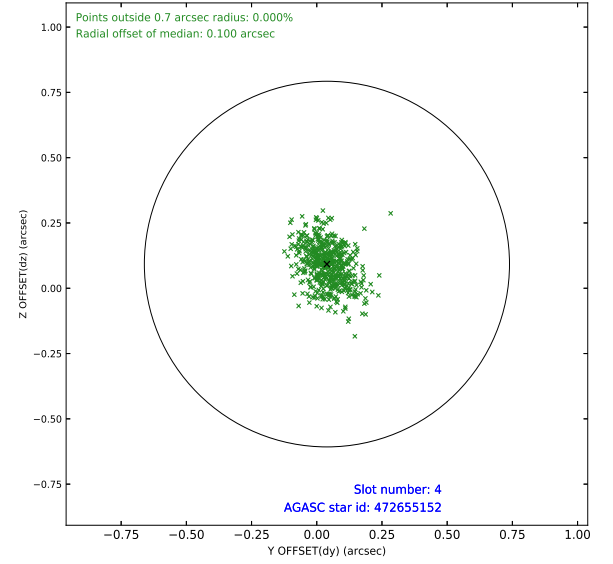
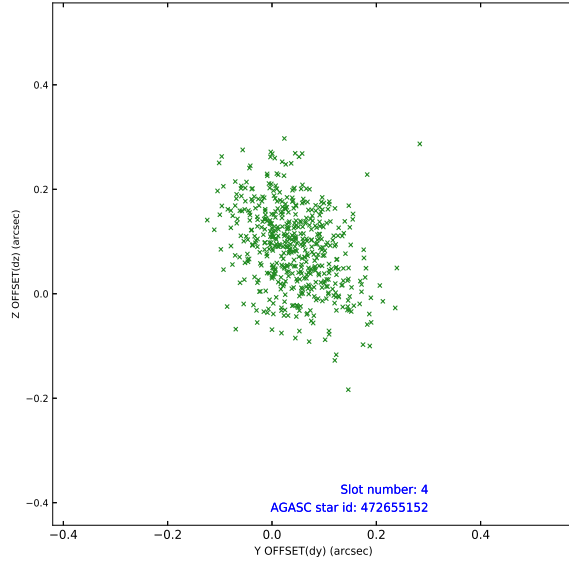
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	264	1.000	0.103	-0.124	0.006	0.010	0.000000	0.000000	-1161.75	-456
1	FID		HRC-S-2	7.04	264	1.000	0.196	-0.118	0.005	0.008	0.000000	0.000000	1233.62	-450
2	FID		HRC-S-3	7.05	264	1.000	0.090	-0.061	0.006	0.011	0.000000	0.000000	-1159.84	571
3	GUIDE	used	472523760	8.24	528	1.000	0.031	-0.229	0.066	0.106	331.645363	45.403260	851.87	-1561
4	GUIDE	used	472655152	9.44	528	1.000	0.039	0.093	0.110	0.177	332.504239	45.862991	-104.47	984
5	GUIDE	used	472659832	9.47	528	1.000	-0.055	-0.016	0.115	0.189	332.780399	46.098139	-723.06	1890
6	GUIDE	used	472533912	9.15	528	1.000	-0.133	0.067	0.080	0.130	331.791136	46.368695	-2364.47	-187
7	GUIDE	used	472654568	9.45	526	1.000	0.119	0.076	0.129	0.225	332.194449	45.063576	2423.01	-586

2.4 Star Slots

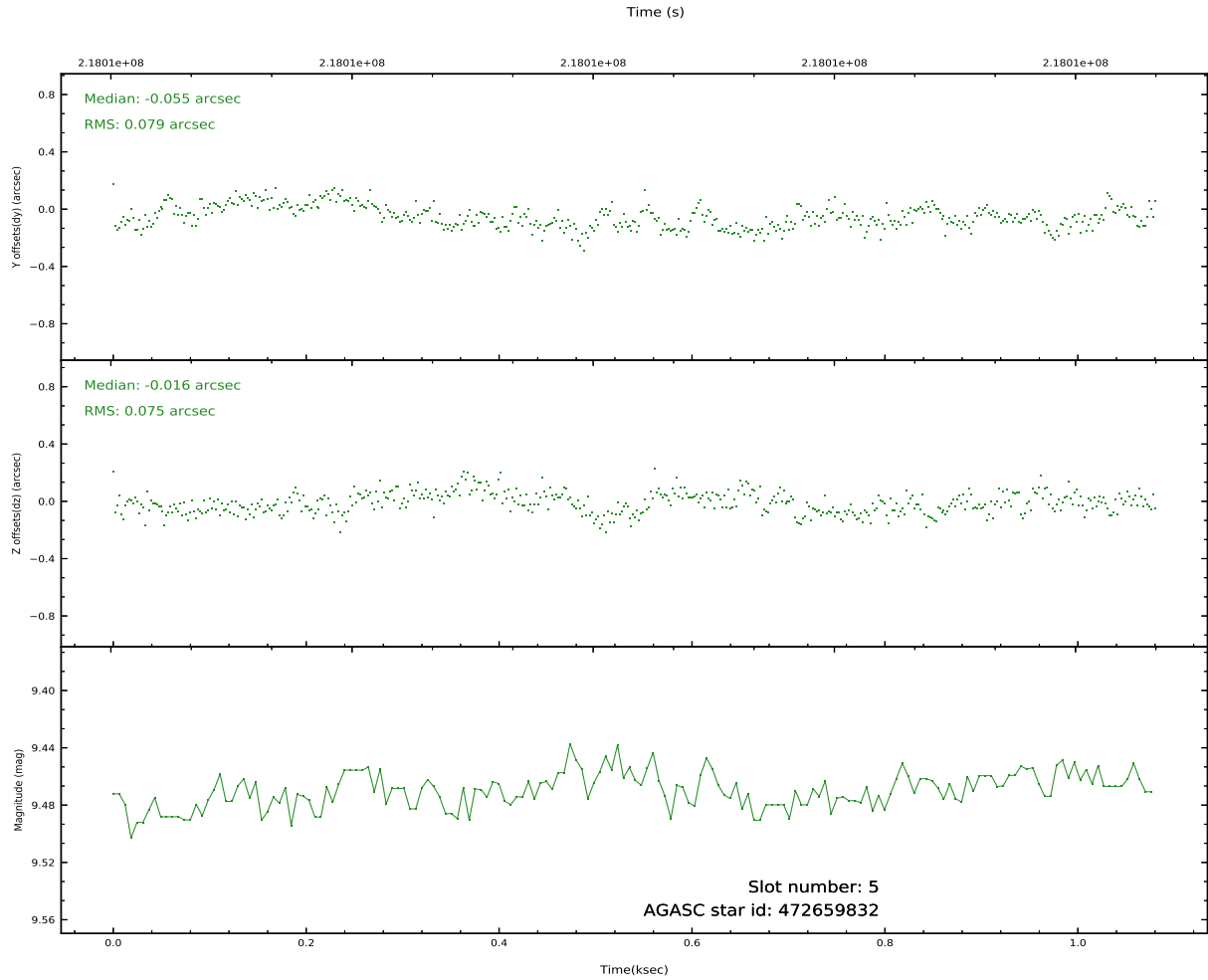
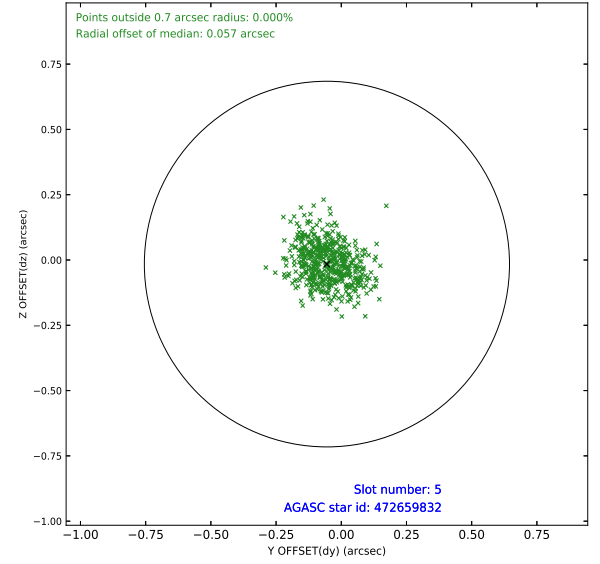
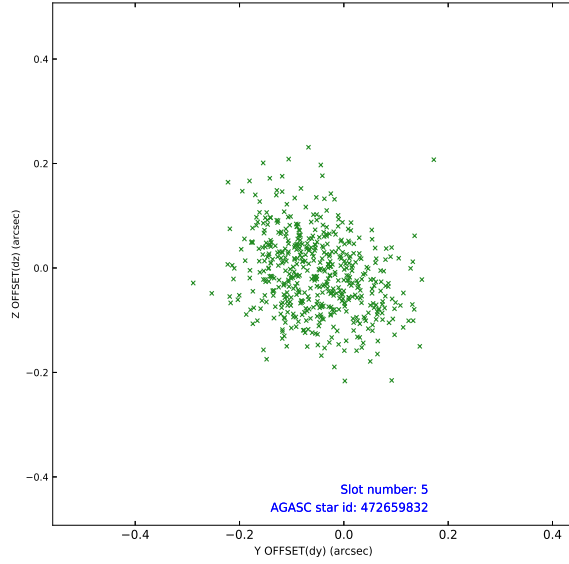
2.4.1 Slot 3



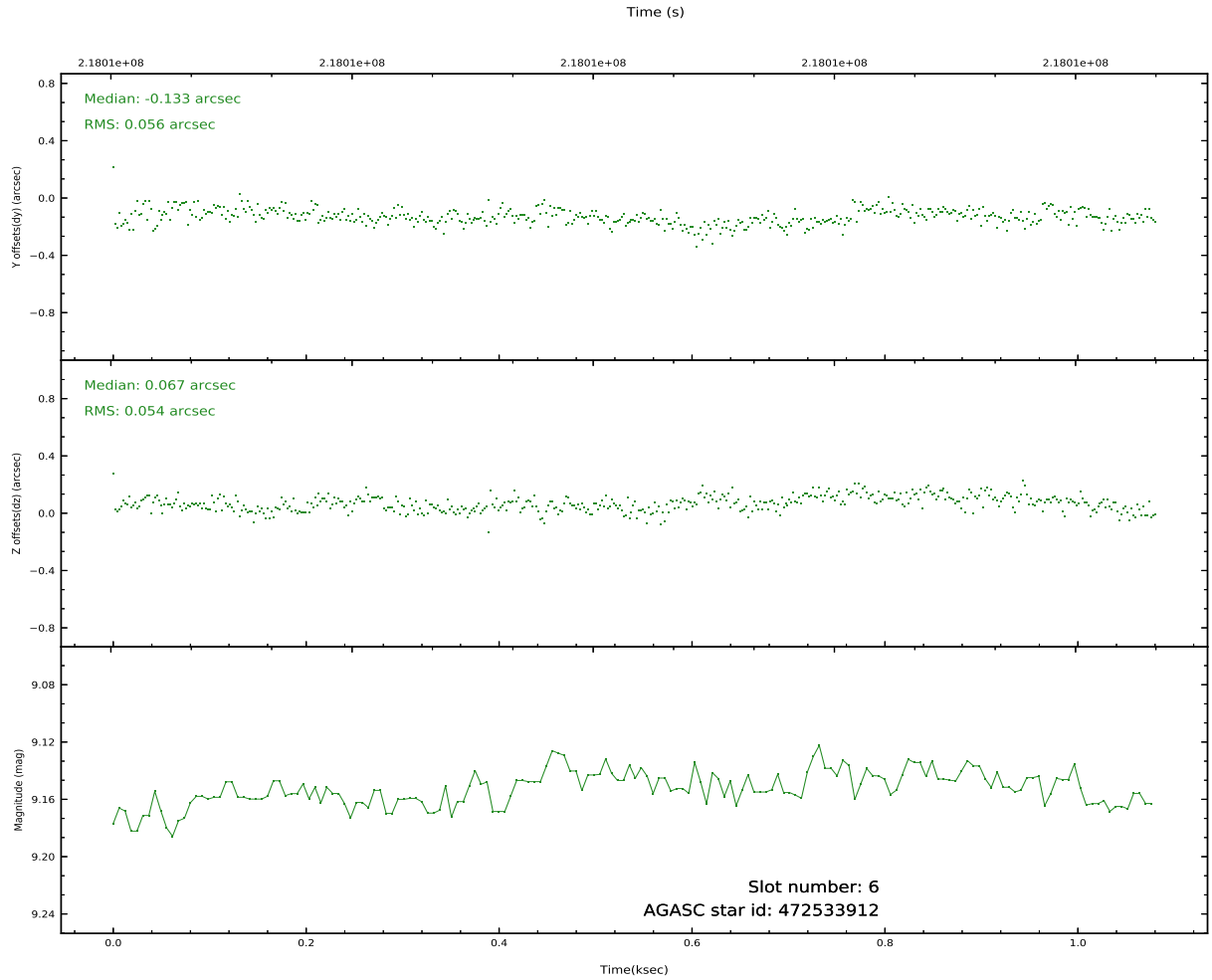
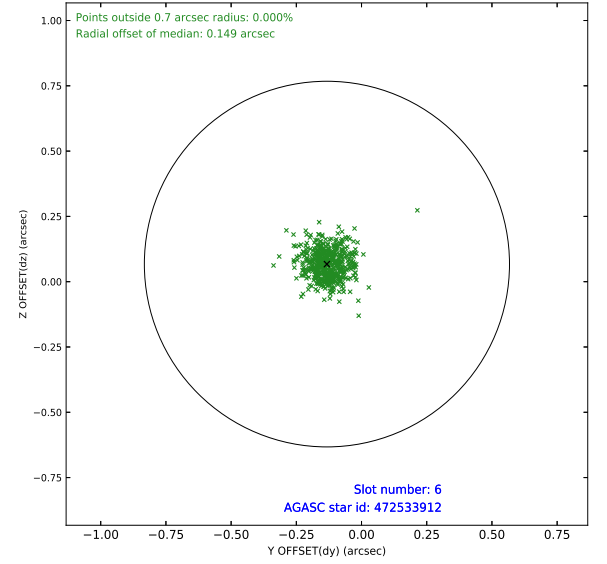
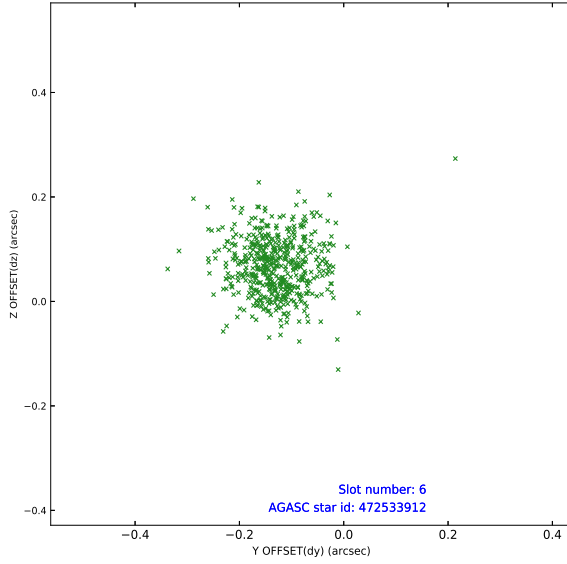
2.4.2 Slot 4



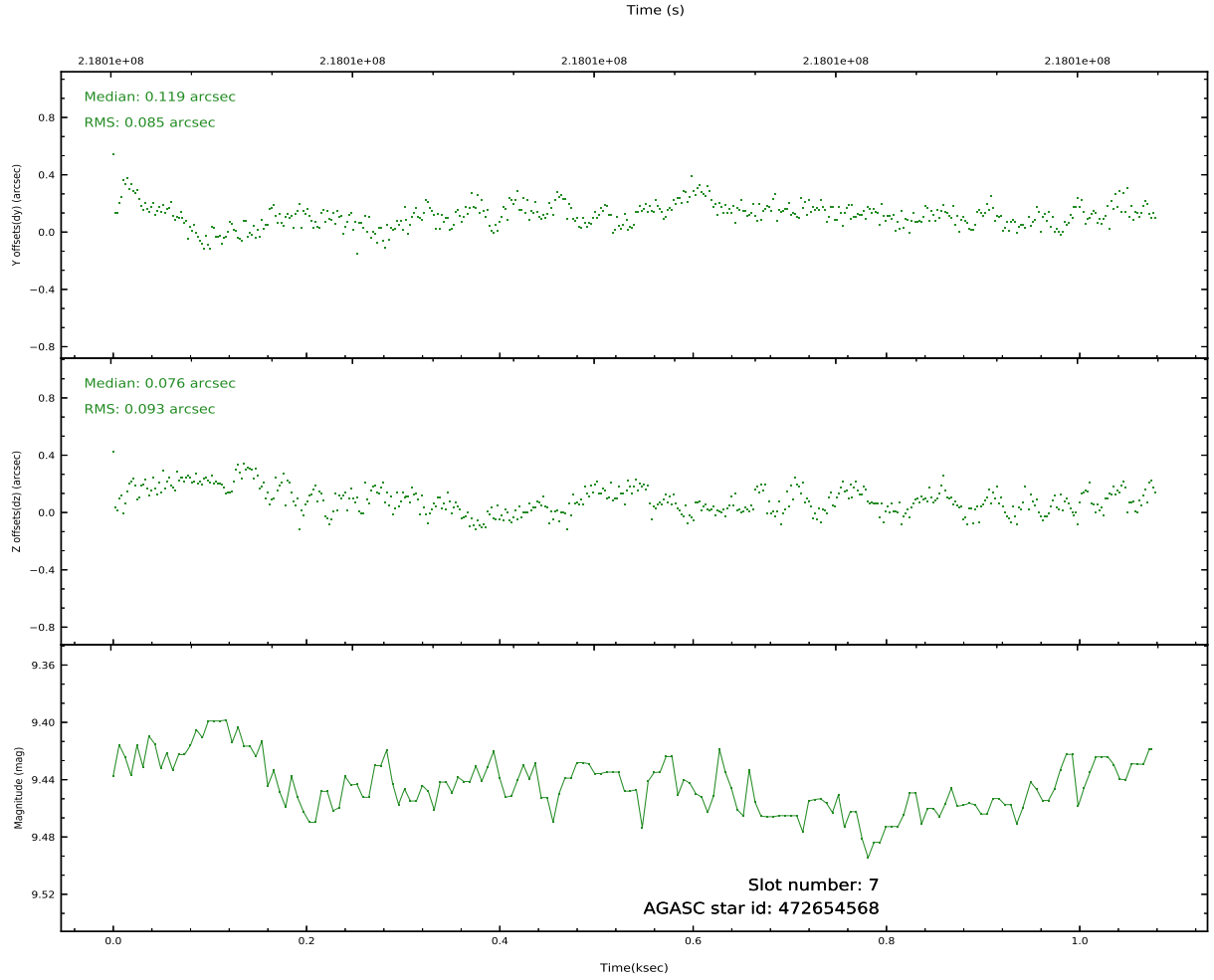
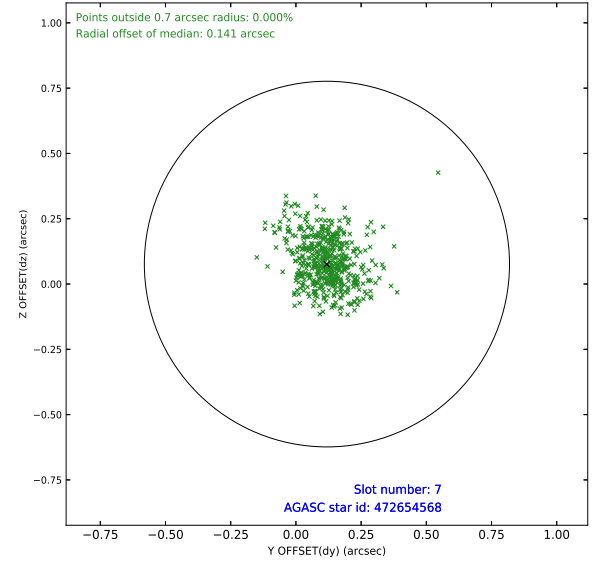
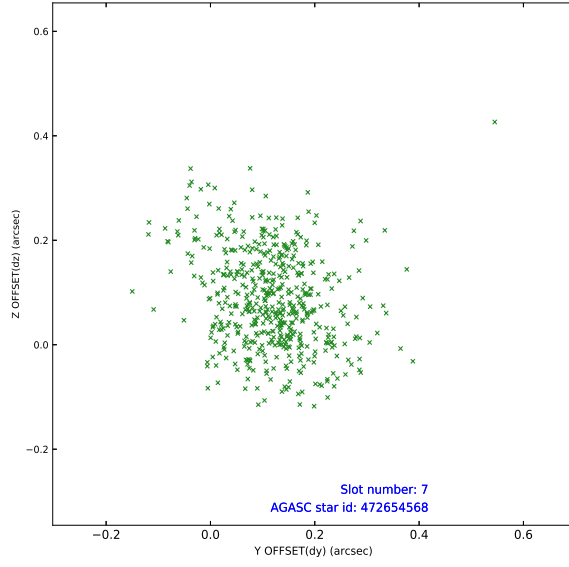
2.4.3 Slot 5



2.4.4 Slot 6

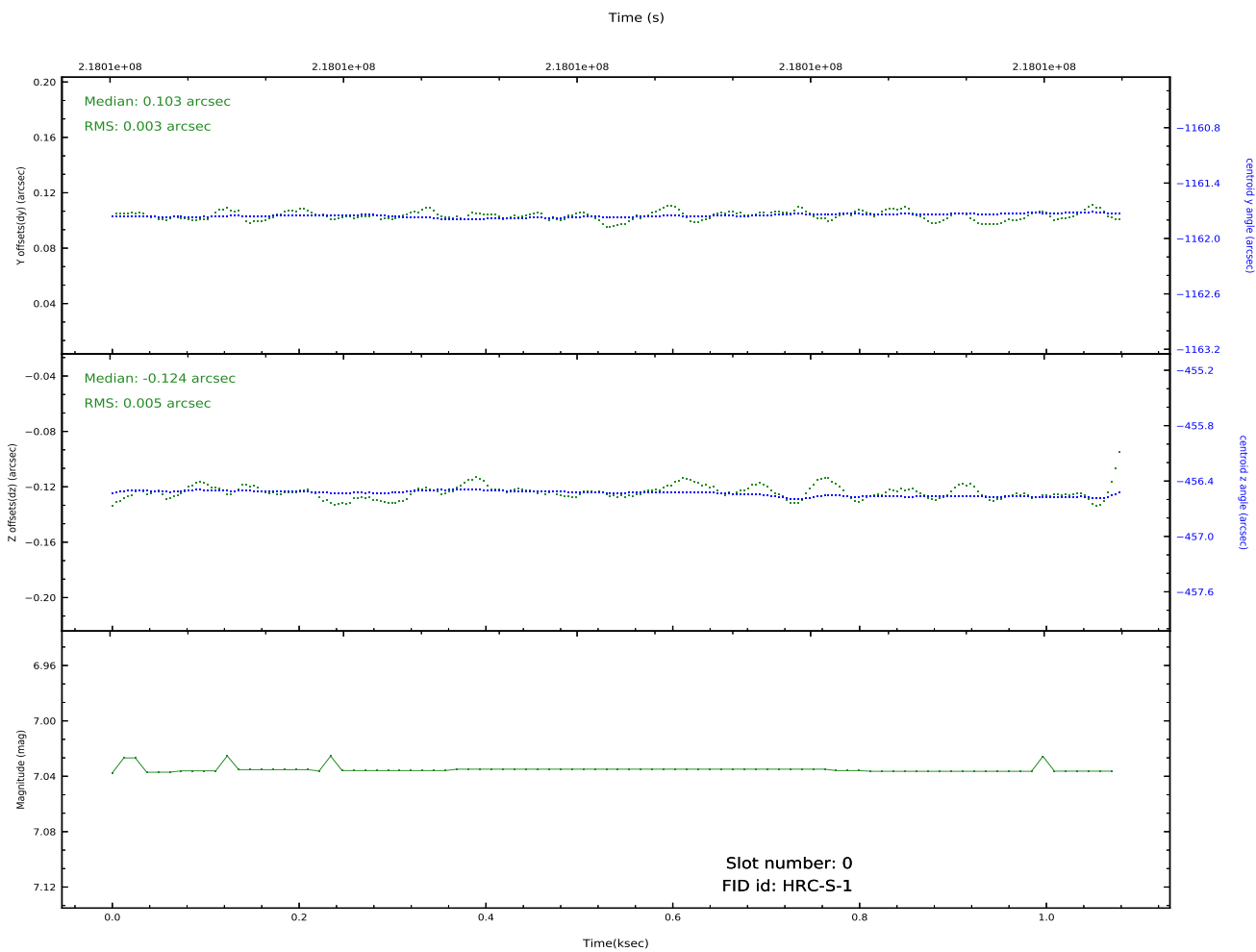
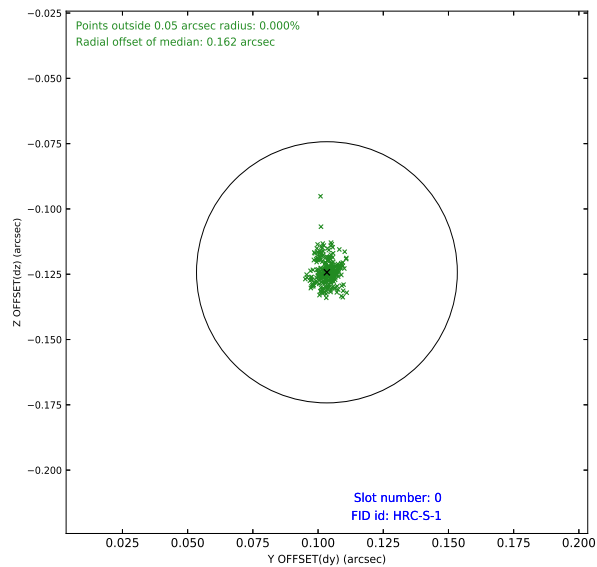
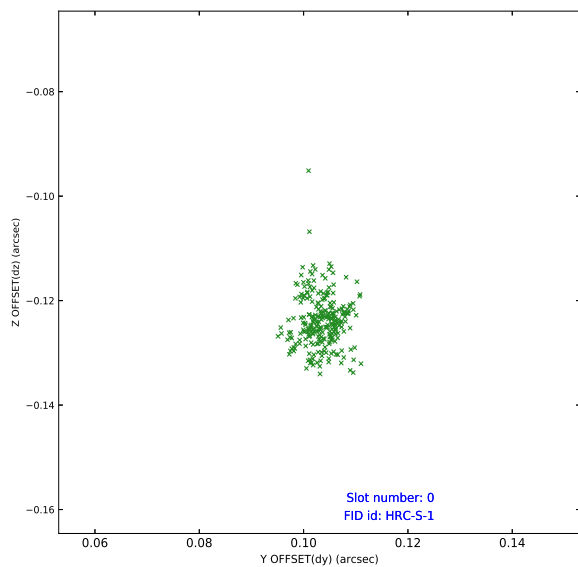


2.4.5 Slot 7

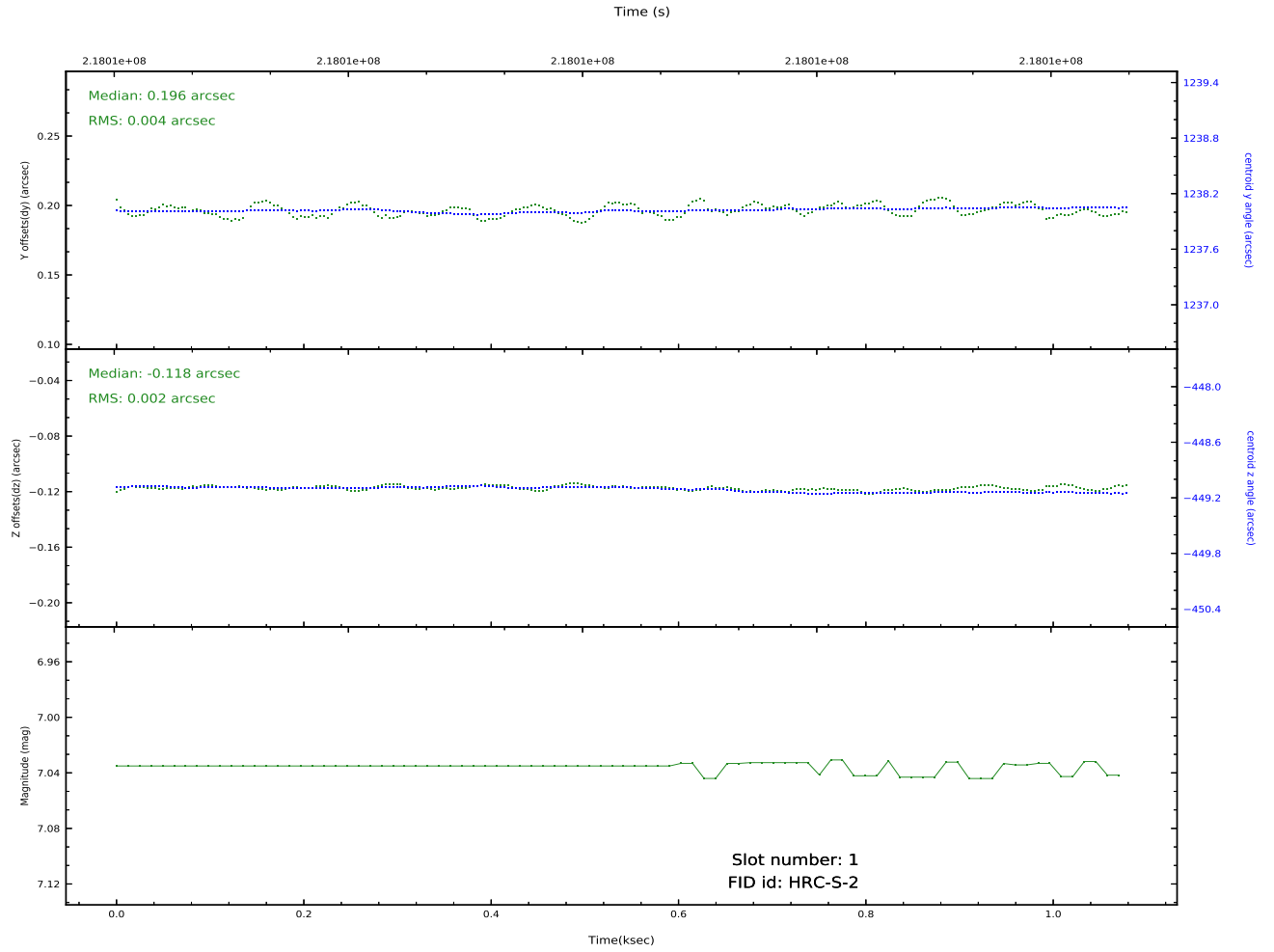
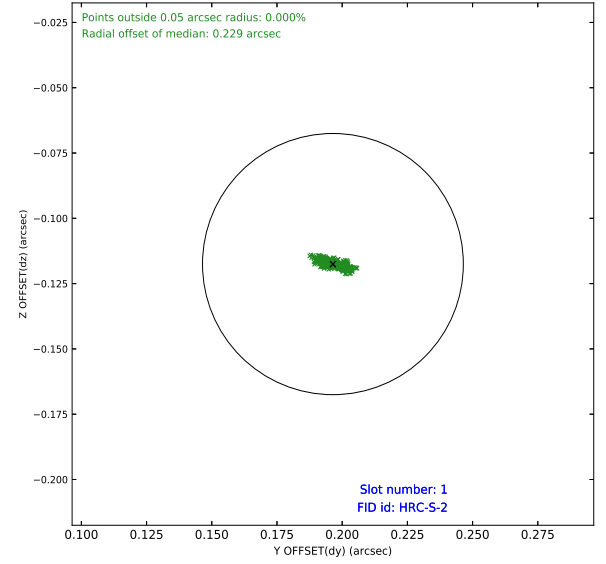
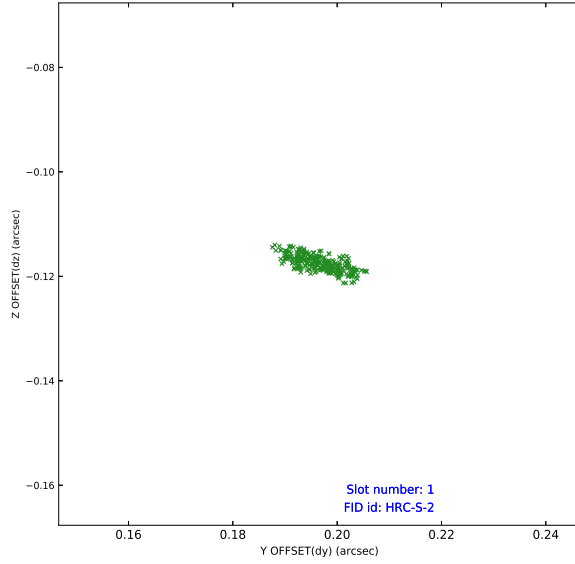


2.5 FID Slots

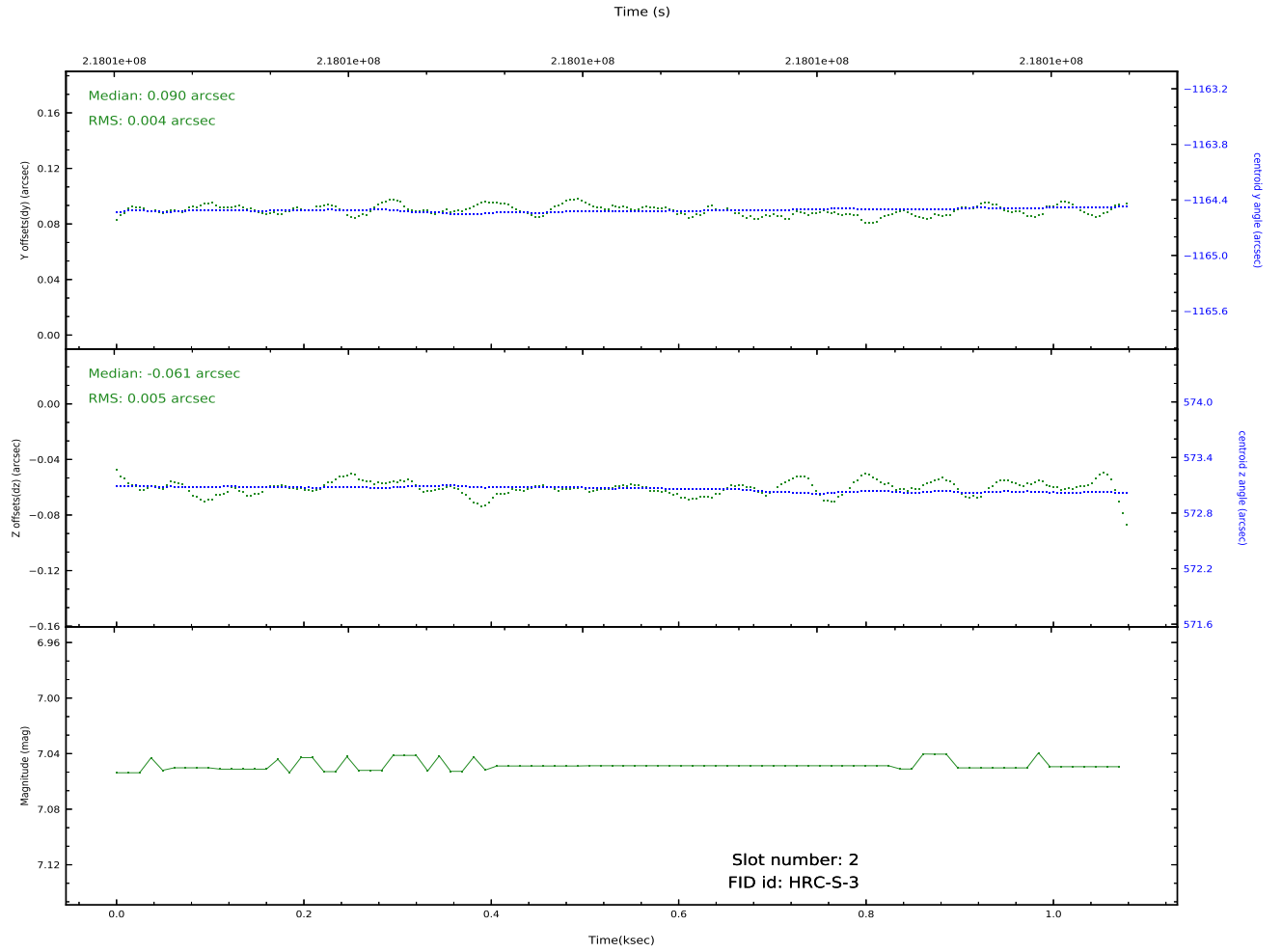
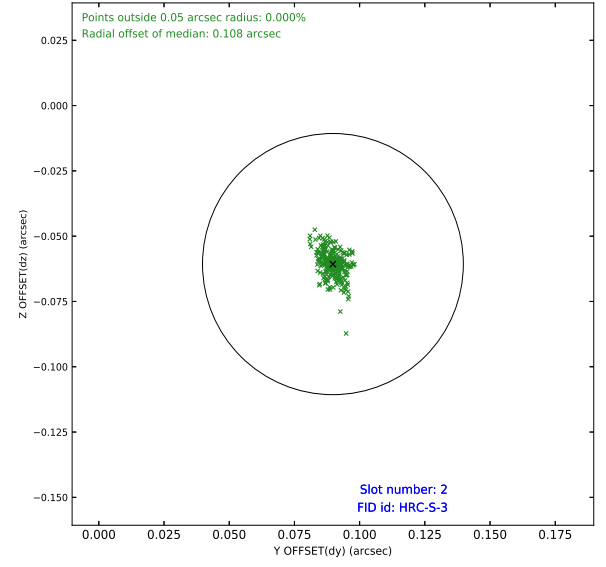
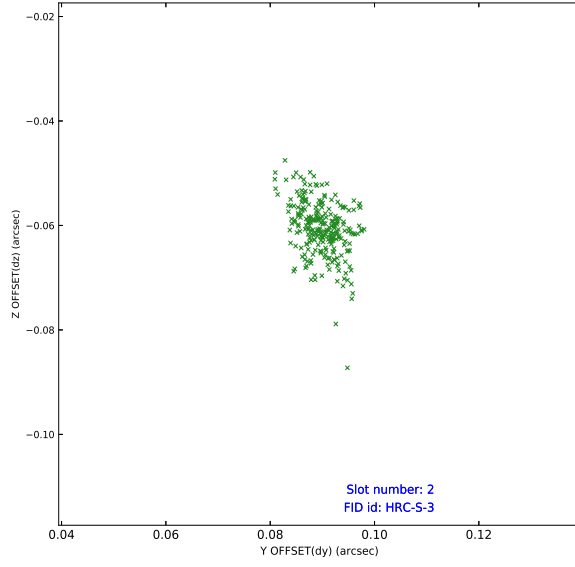
2.5.1 Slot 0



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	1.079581

A.2 Comments

Window constraint was met.