

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5086 - L2 Version 4
Chandra X-Ray Center

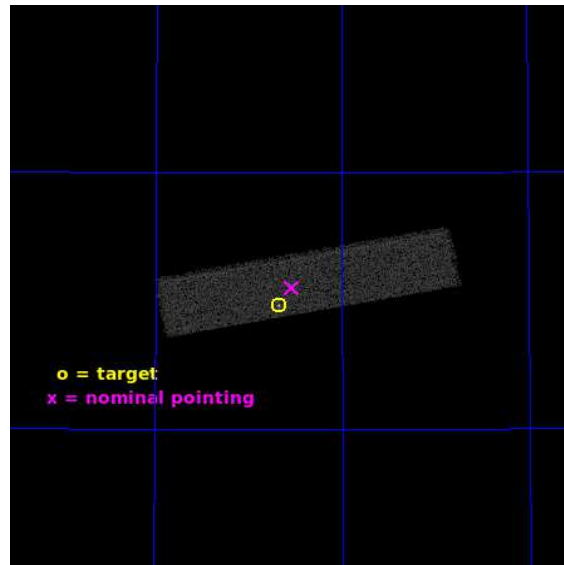
L2 Processing Date : Sep 23 2020

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1 Front

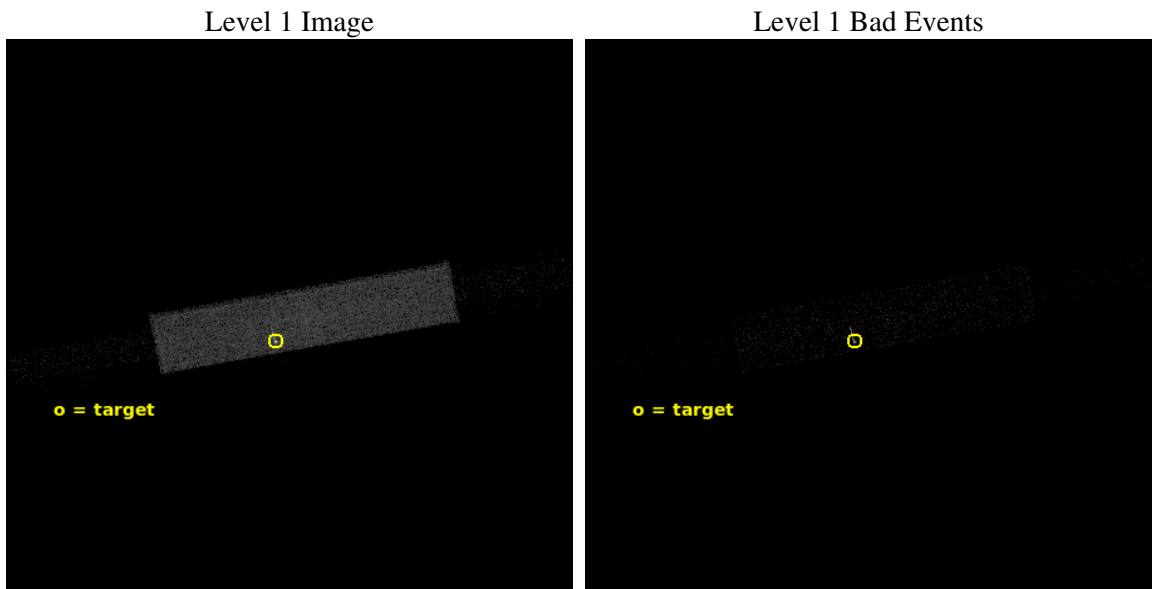
seq_num	290359	Sequence number
obs_id	5086	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13398790703	Nominal RA [deg]
dec_nom	45.776367875005	Nominal Dec [deg]
roll_nom	349.53597864477	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1088.8062976301	[s]
livetime	1083.145757087	Ontime multiplied by DTCOR
l2events	39010	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	946.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1088.8062976301	[s]
caldbver	4.9.2	 	l1events	66524	Number of level 1 events
date	2020-09-23T05:06:19	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

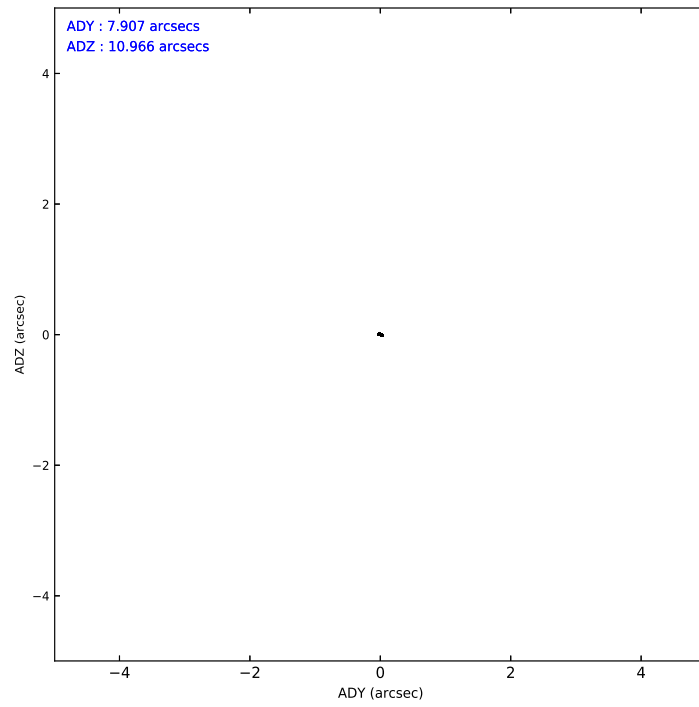
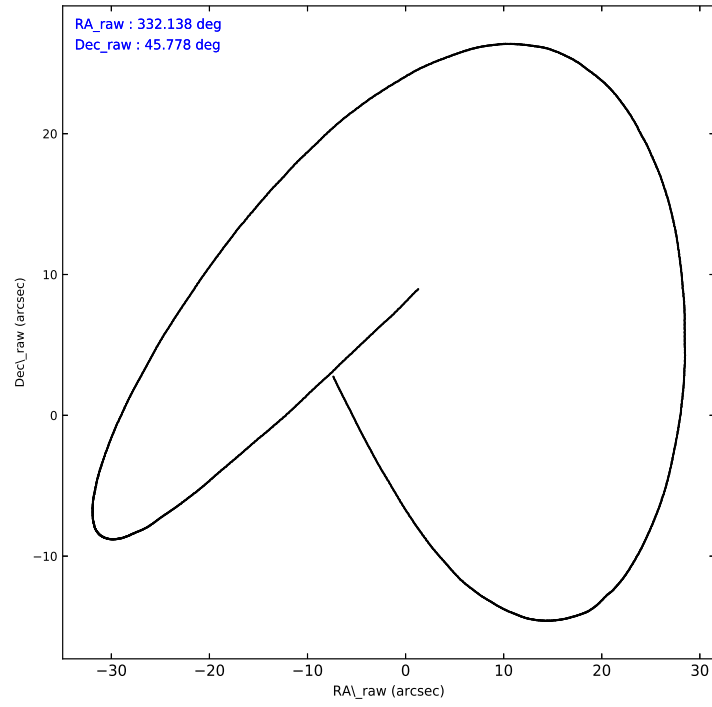
	segment 1	segment 2	segment 3
level 1 events	1159	64275	1090
rejected events	1159	15110	1090
rejected %	100%	23%	100%

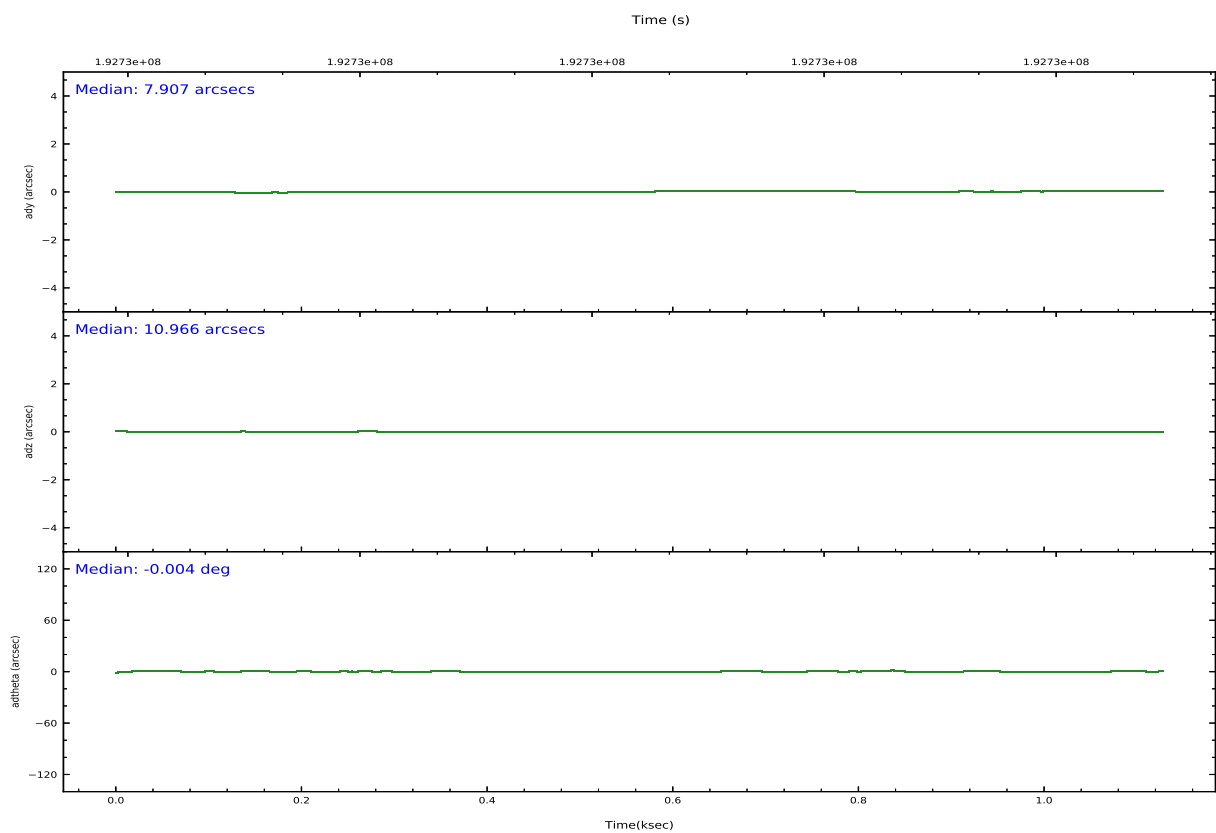
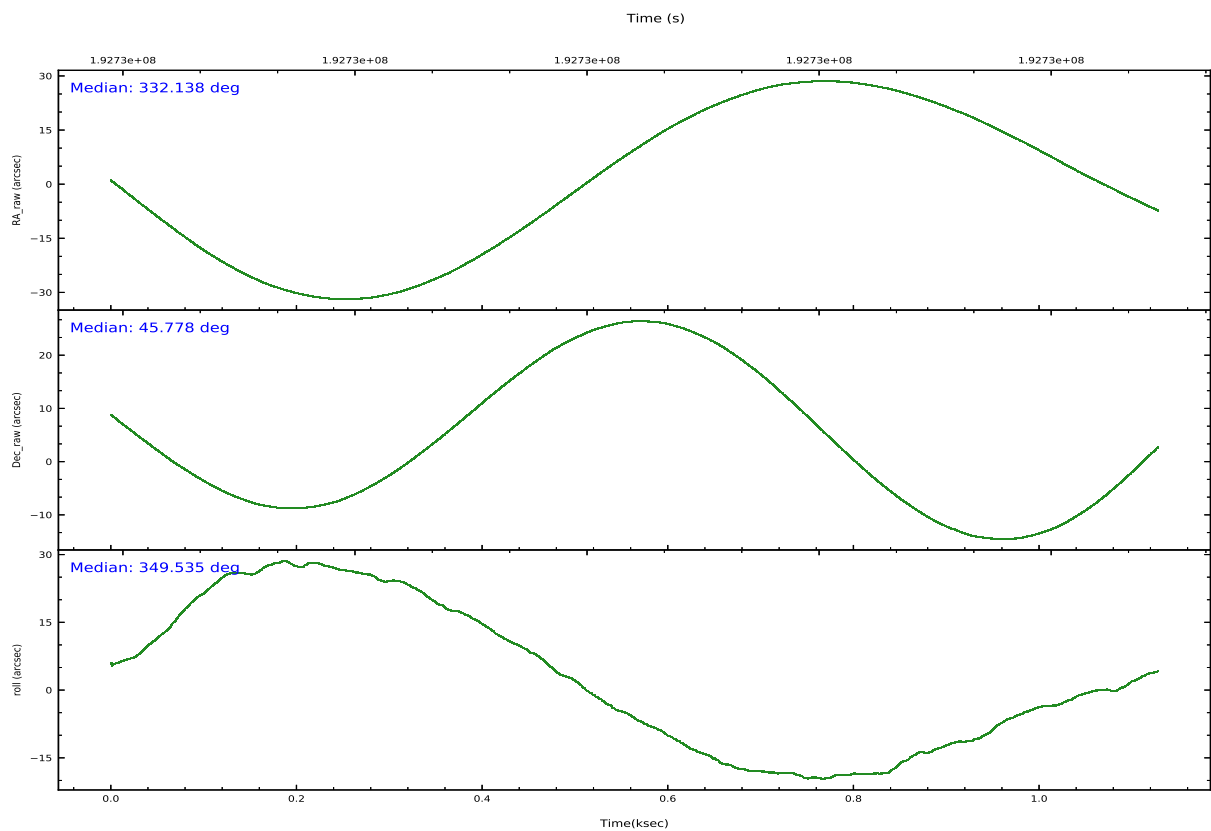
2.2 Compared Parameters

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	332.100405	332.13398790703
[deg] Pointing Dec	45.769293	45.776367875005
[deg] Pointing Roll	349.499913	349.53597864477
[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)	192727169.184000	192726792.59732
Observation start date	2004-02-09T15:18:25	2004-02-09T15:13:12
[s] Observation end time (MET)	192728115.184000	192728249.12238
Observation end date	2004-02-09T15:34:11	2004-02-09T15:37:29

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

2.3 Aspect



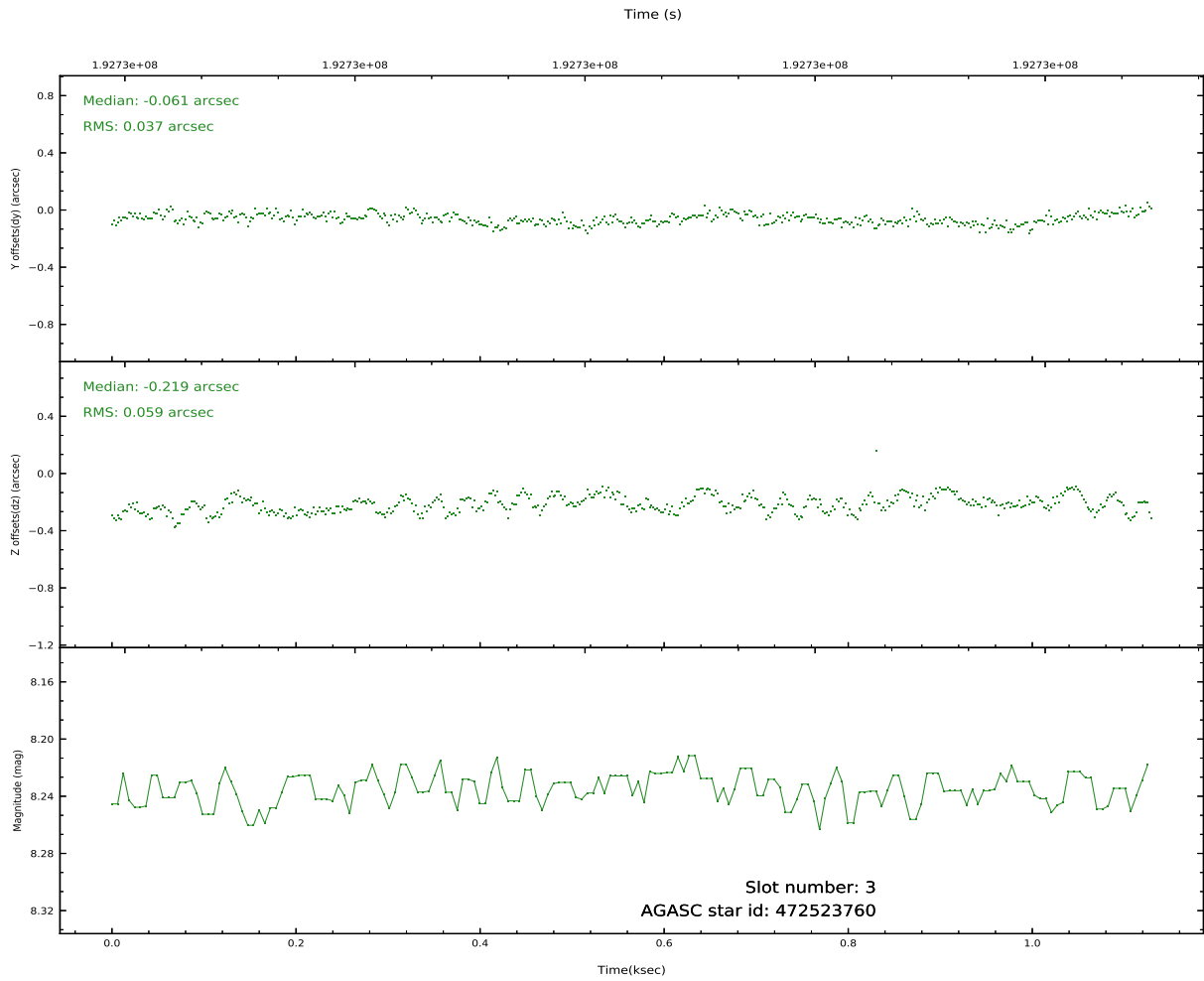
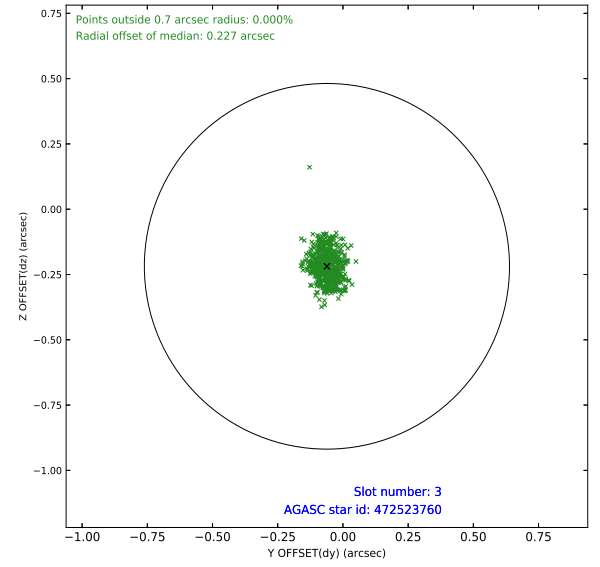
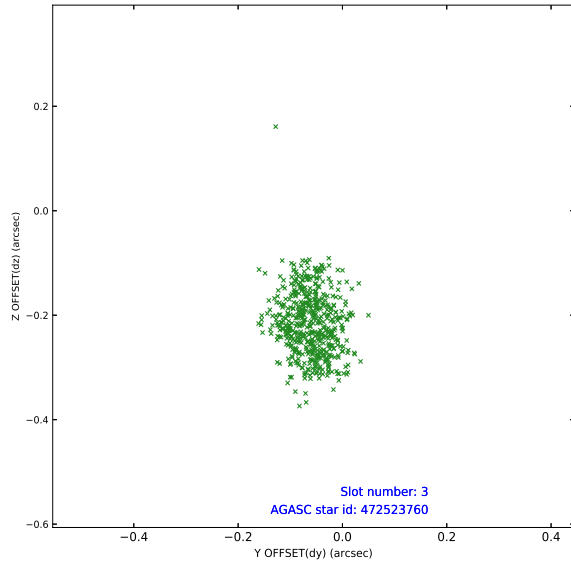


Slot Statistics

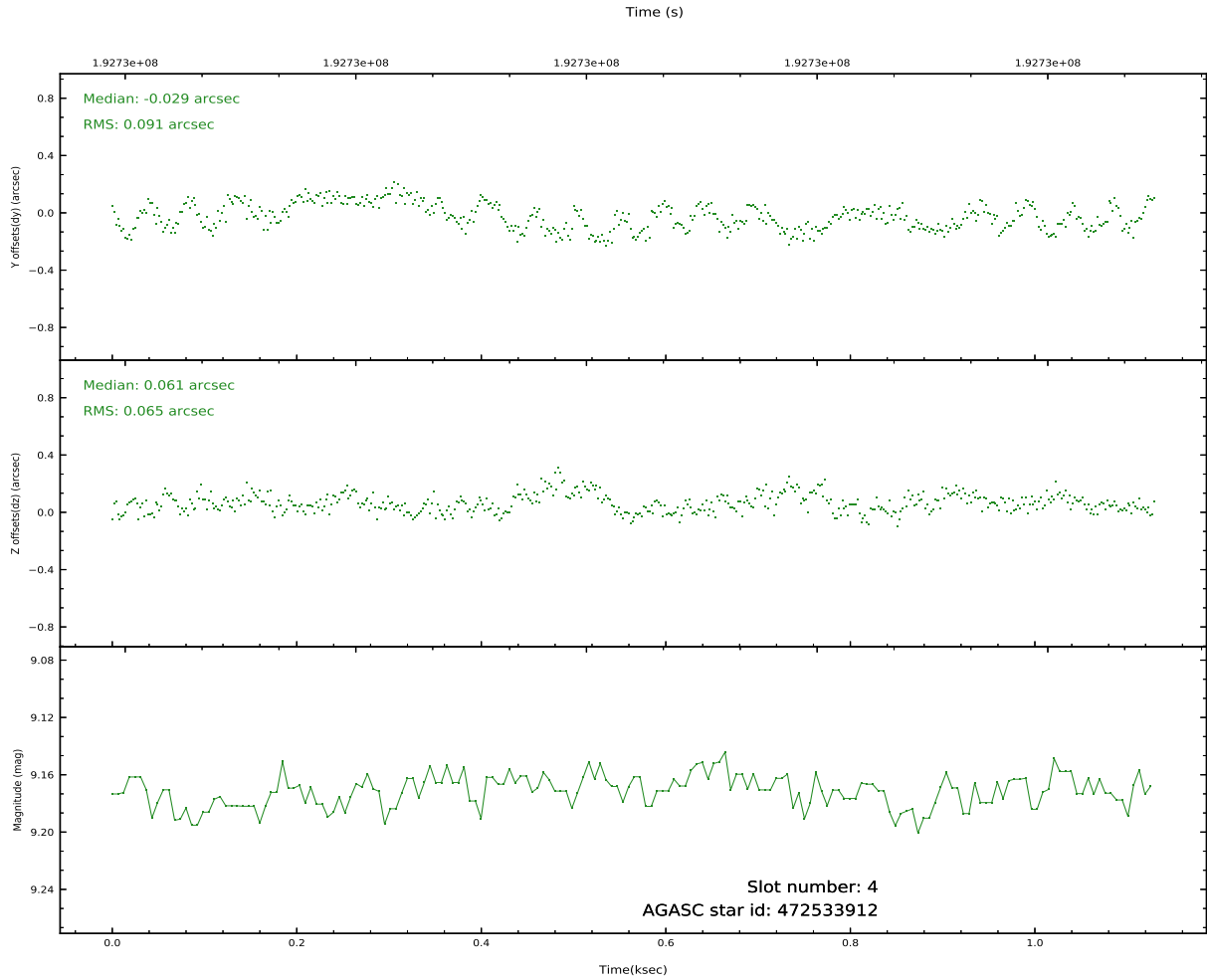
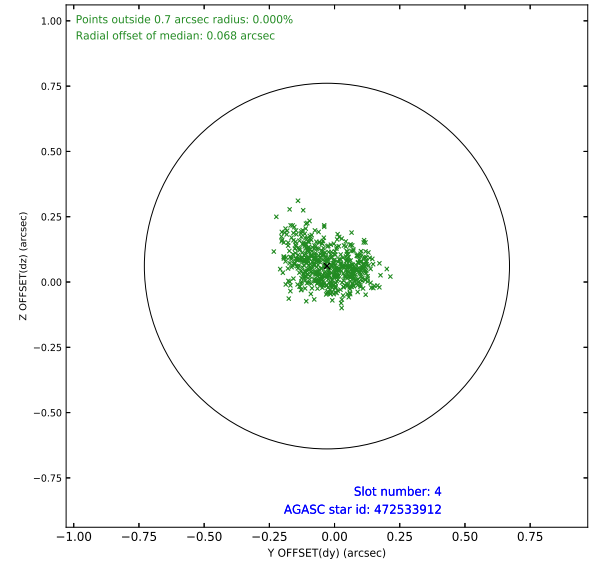
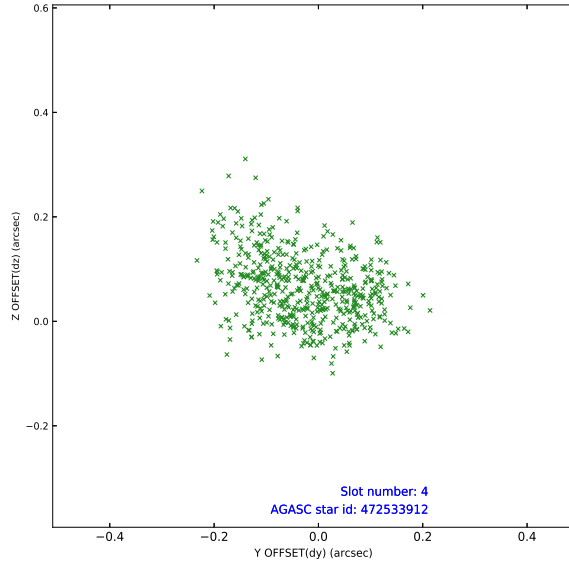
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	276	1.000	0.122	-0.181	0.007	0.011	0.000000	0.000000	-1162.09	-459
1	FID		HRC-S-2	7.03	276	1.000	0.167	-0.112	0.004	0.009	0.000000	0.000000	1233.43	-453
2	FID		HRC-S-3	7.05	276	1.000	0.102	-0.009	0.007	0.011	0.000000	0.000000	-1160.36	568
3	GUIDE	used	472523760	8.24	552	1.000	-0.061	-0.219	0.074	0.115	331.645363	45.403260	-890.93	-1498
4	GUIDE	used	472533912	9.17	552	1.000	-0.029	0.061	0.122	0.185	331.791136	46.368695	-1150.51	1984
5	GUIDE	used	472655152	9.42	548	1.000	0.125	0.024	0.104	0.188	332.504239	45.862991	931.92	526
6	GUIDE	used	472659832	9.46	552	1.000	0.029	0.114	0.105	0.171	332.780399	46.098139	1453.92	1486
7	GUIDE	used	472654568	9.43	551	1.000	-0.067	0.027	0.109	0.184	332.194449	45.063576	701.39	-2447

2.4 Star Slots

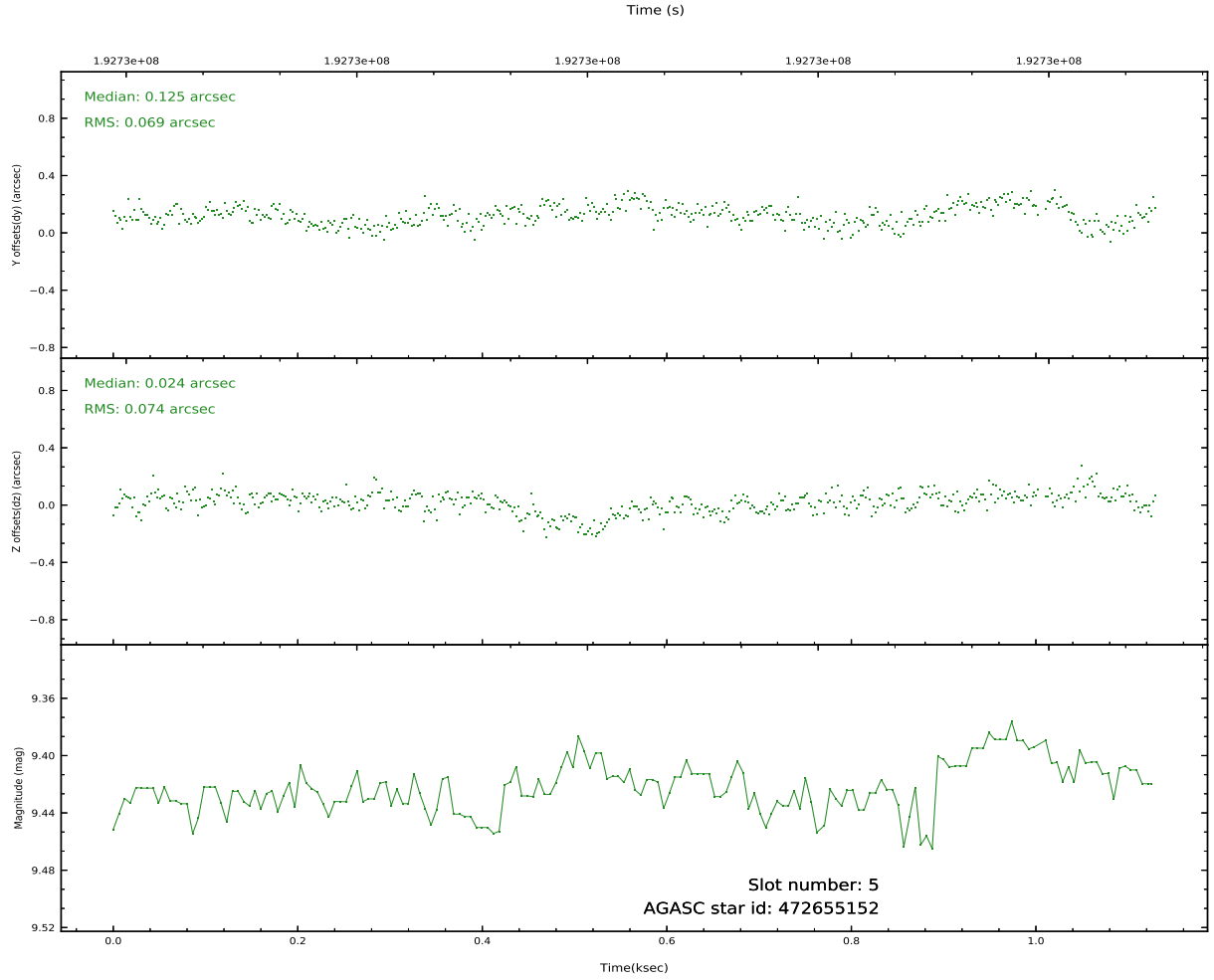
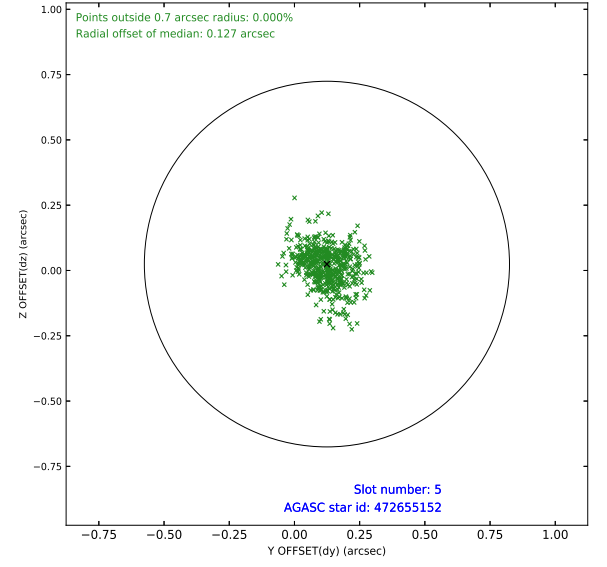
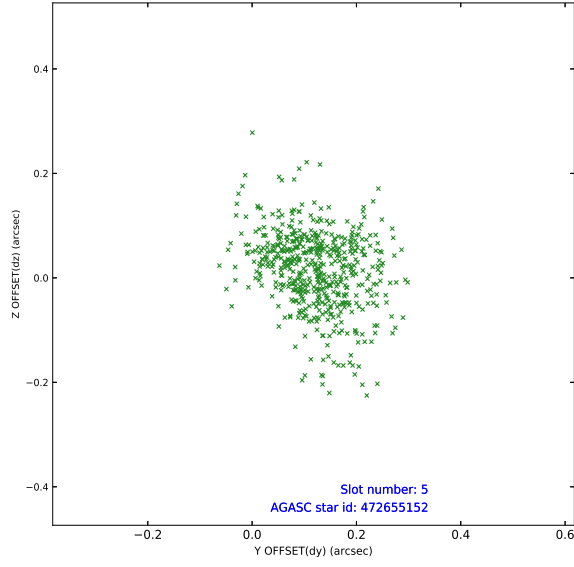
2.4.1 Slot 3



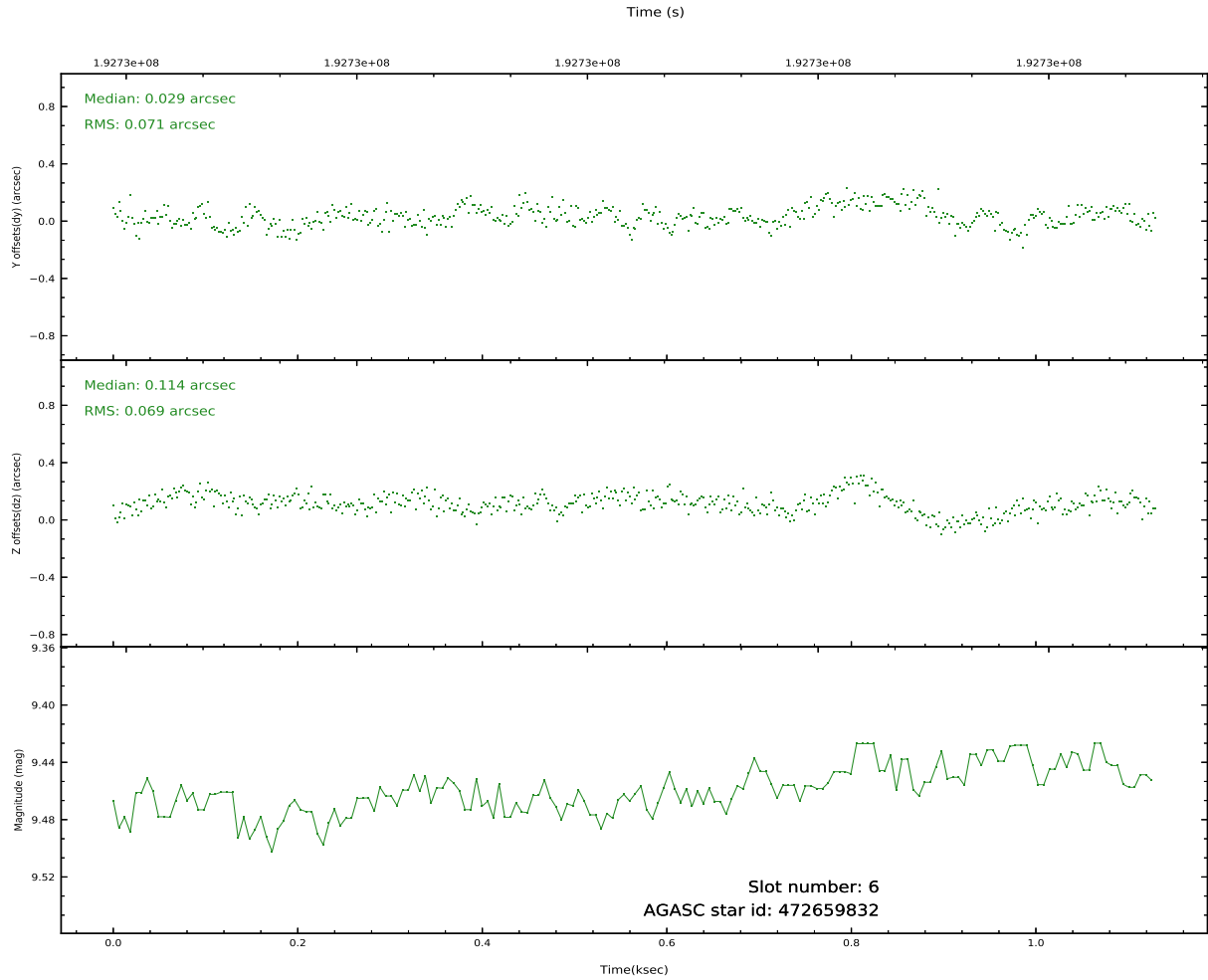
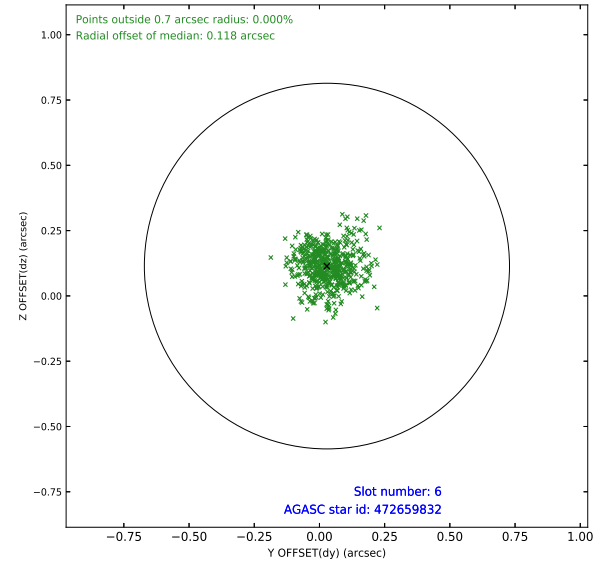
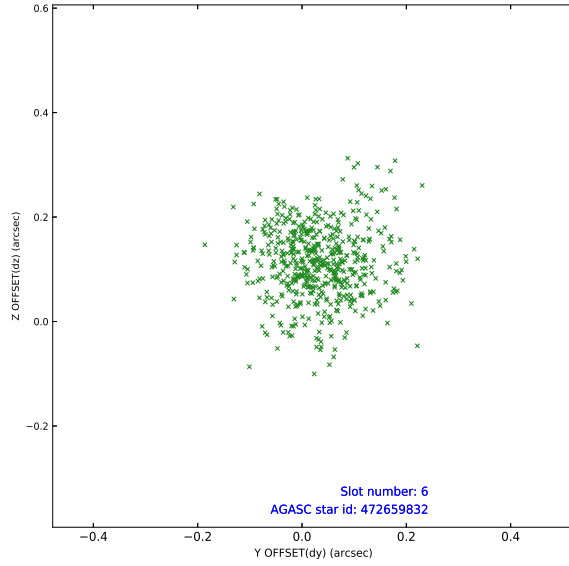
2.4.2 Slot 4



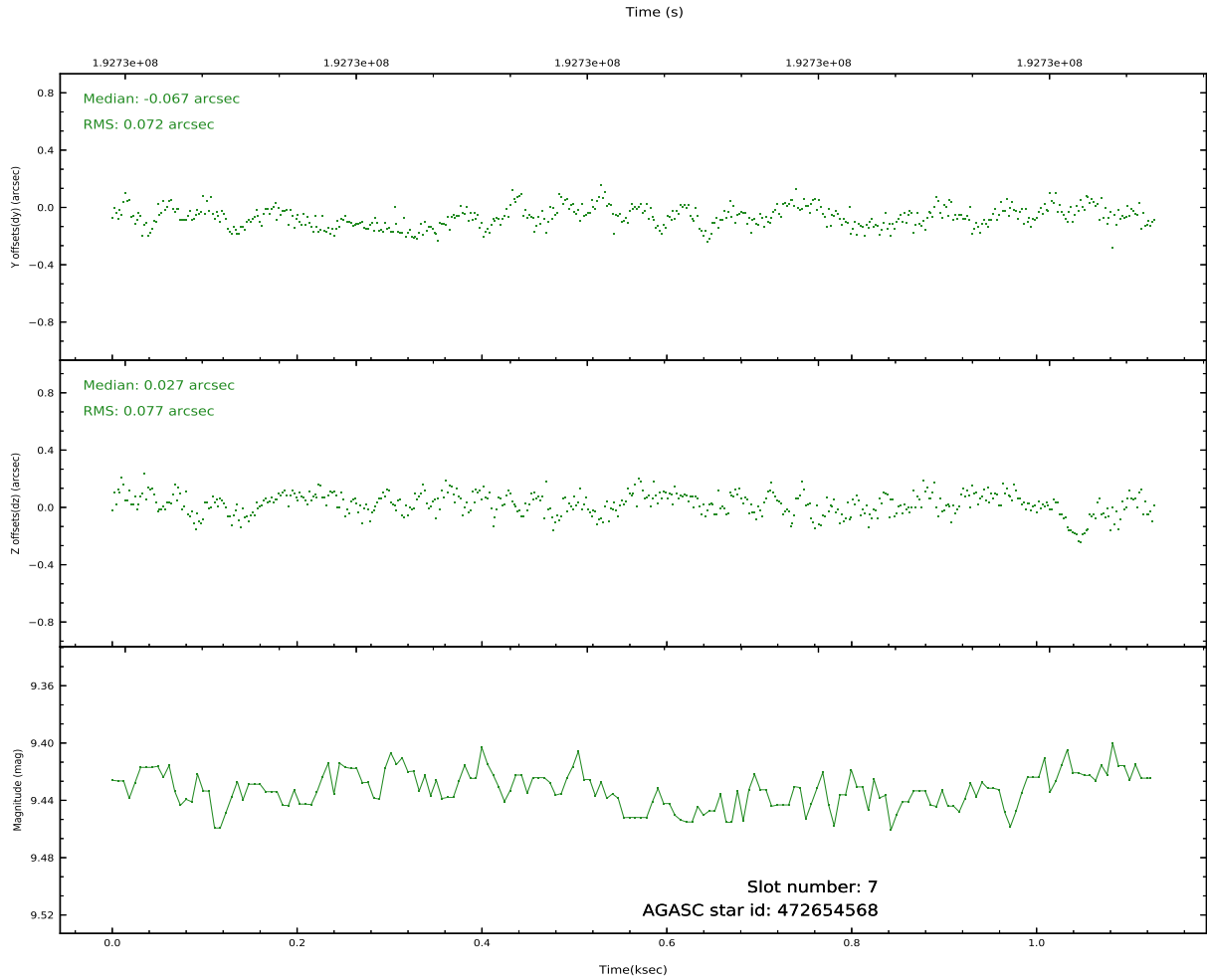
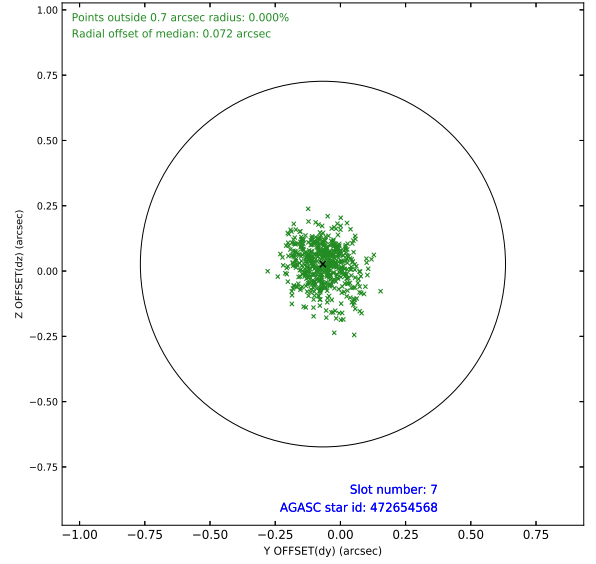
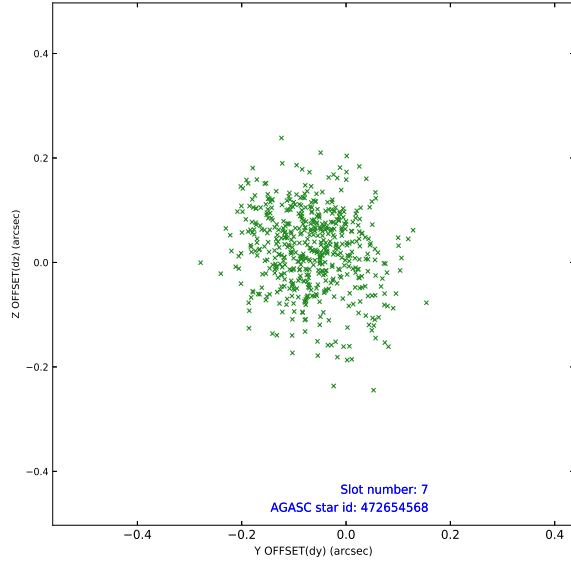
2.4.3 Slot 5



2.4.4 Slot 6

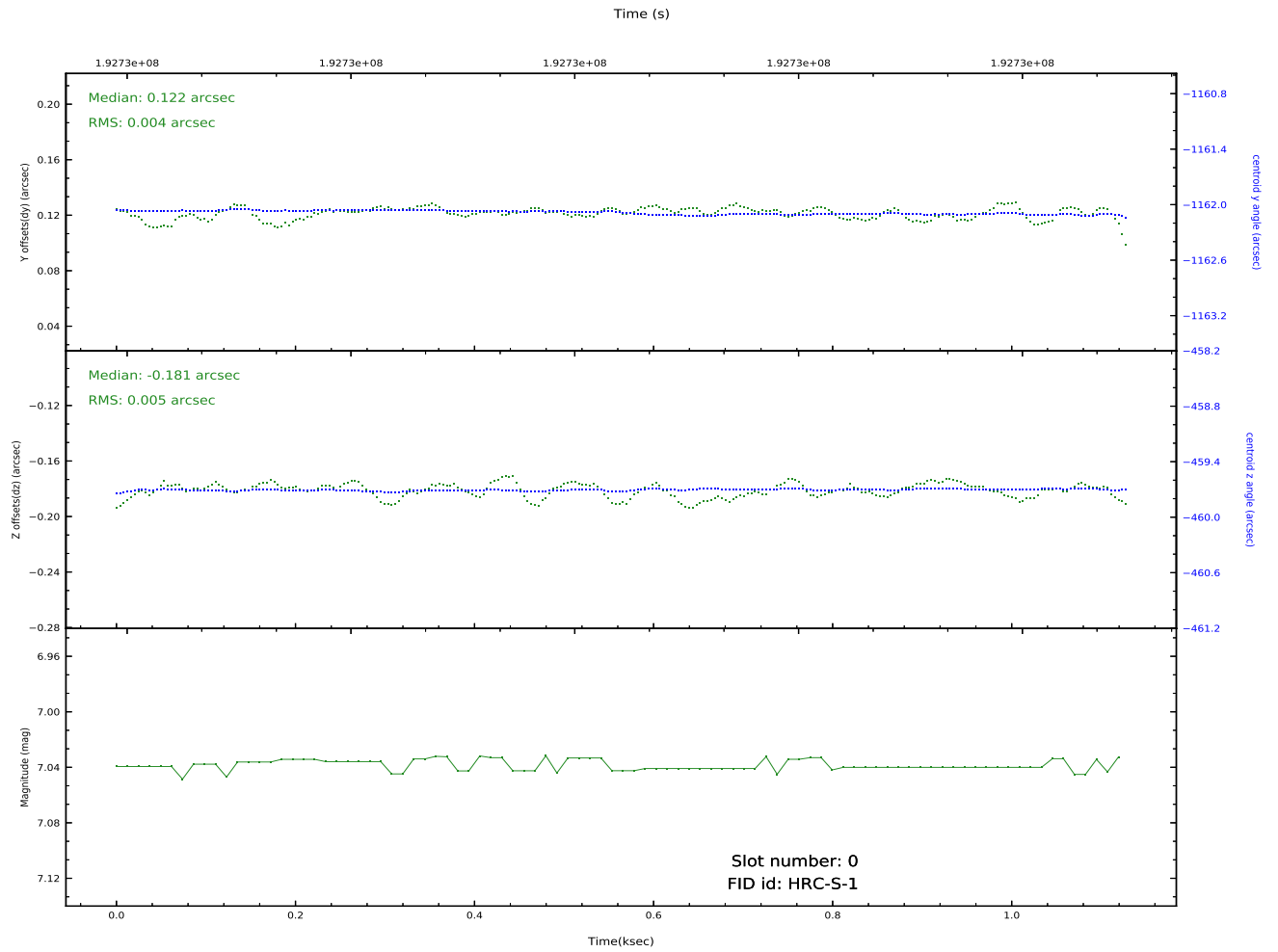
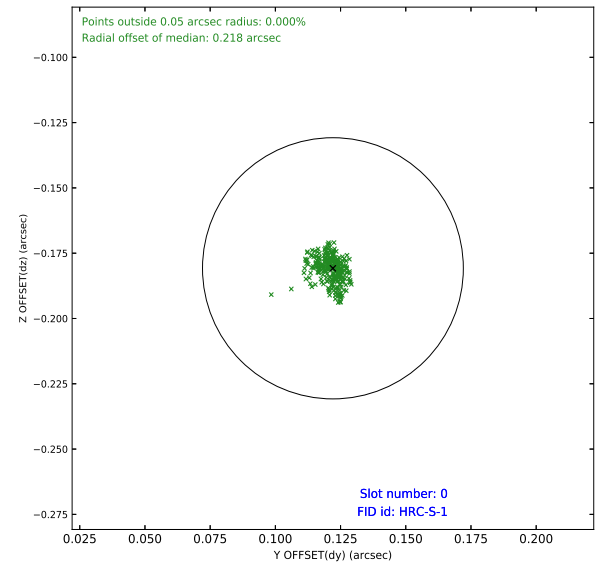
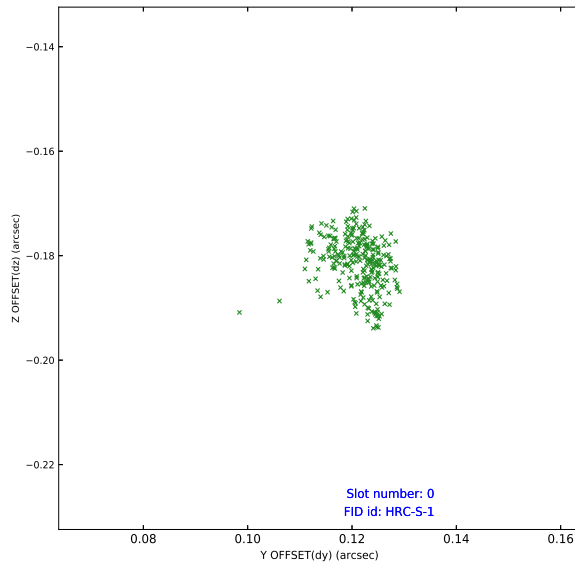


2.4.5 Slot 7

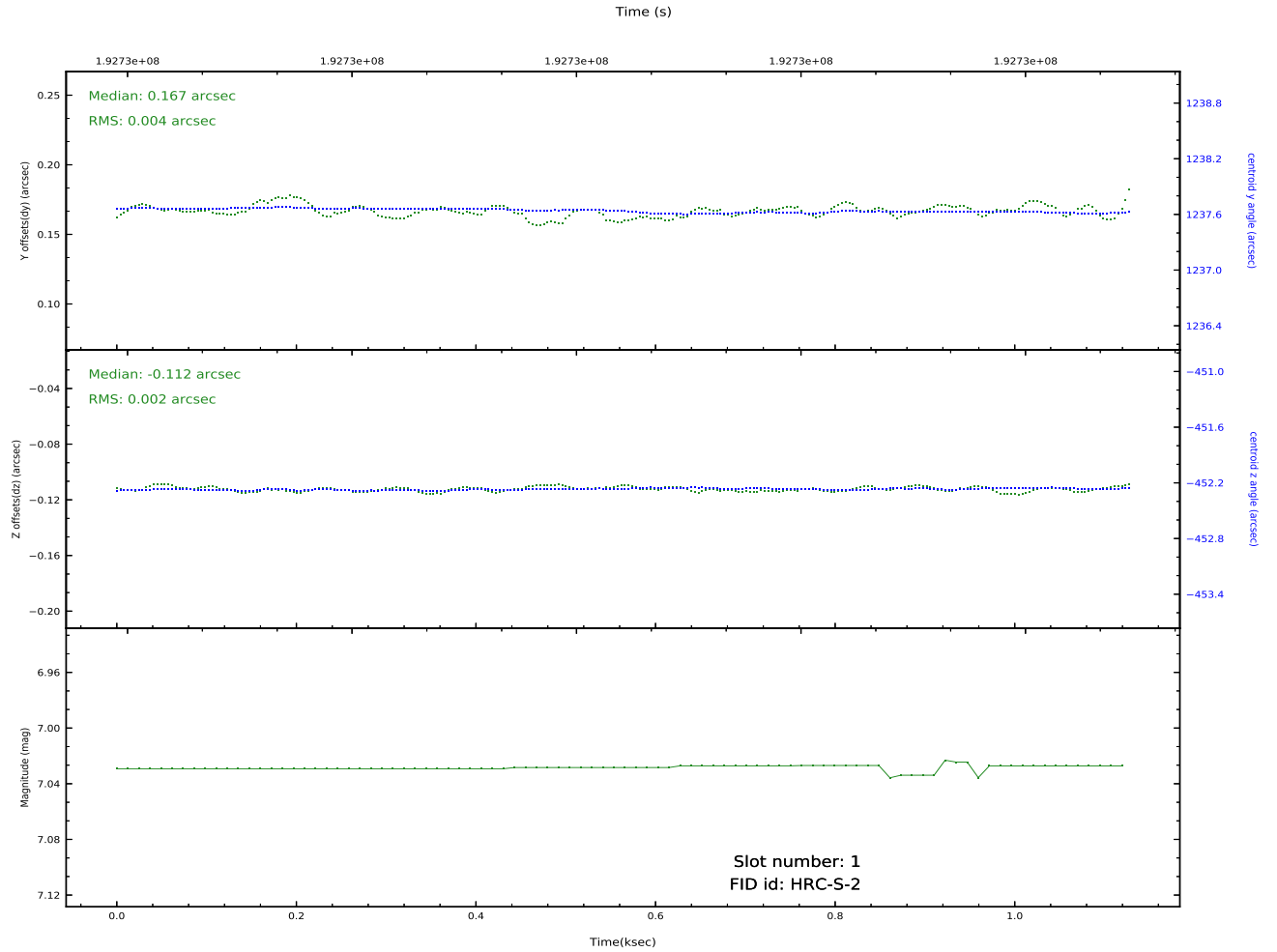
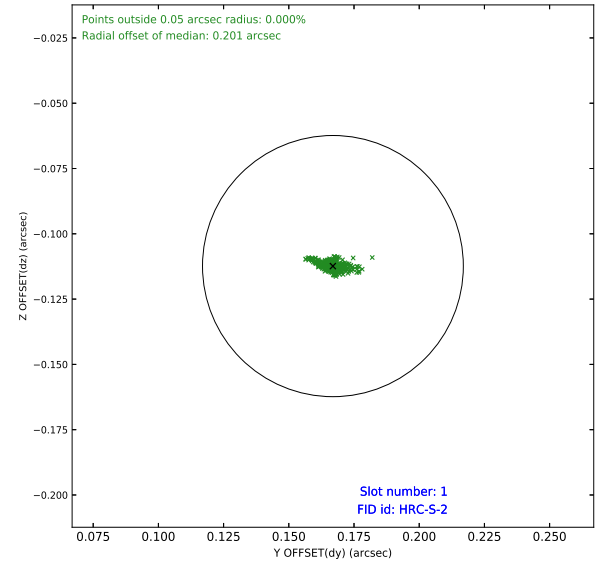
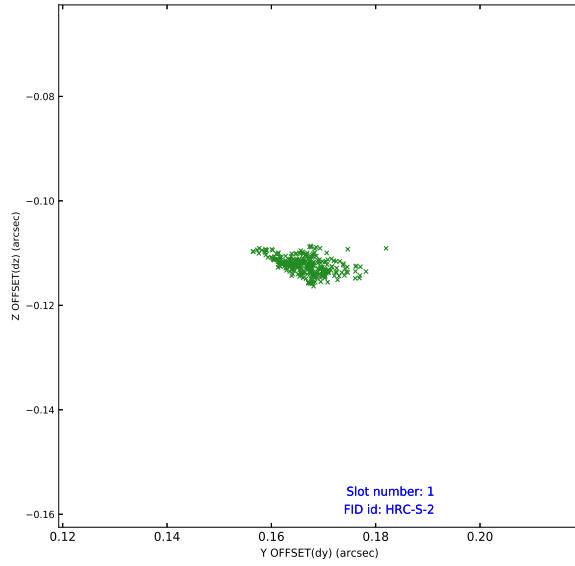


2.5 FID Slots

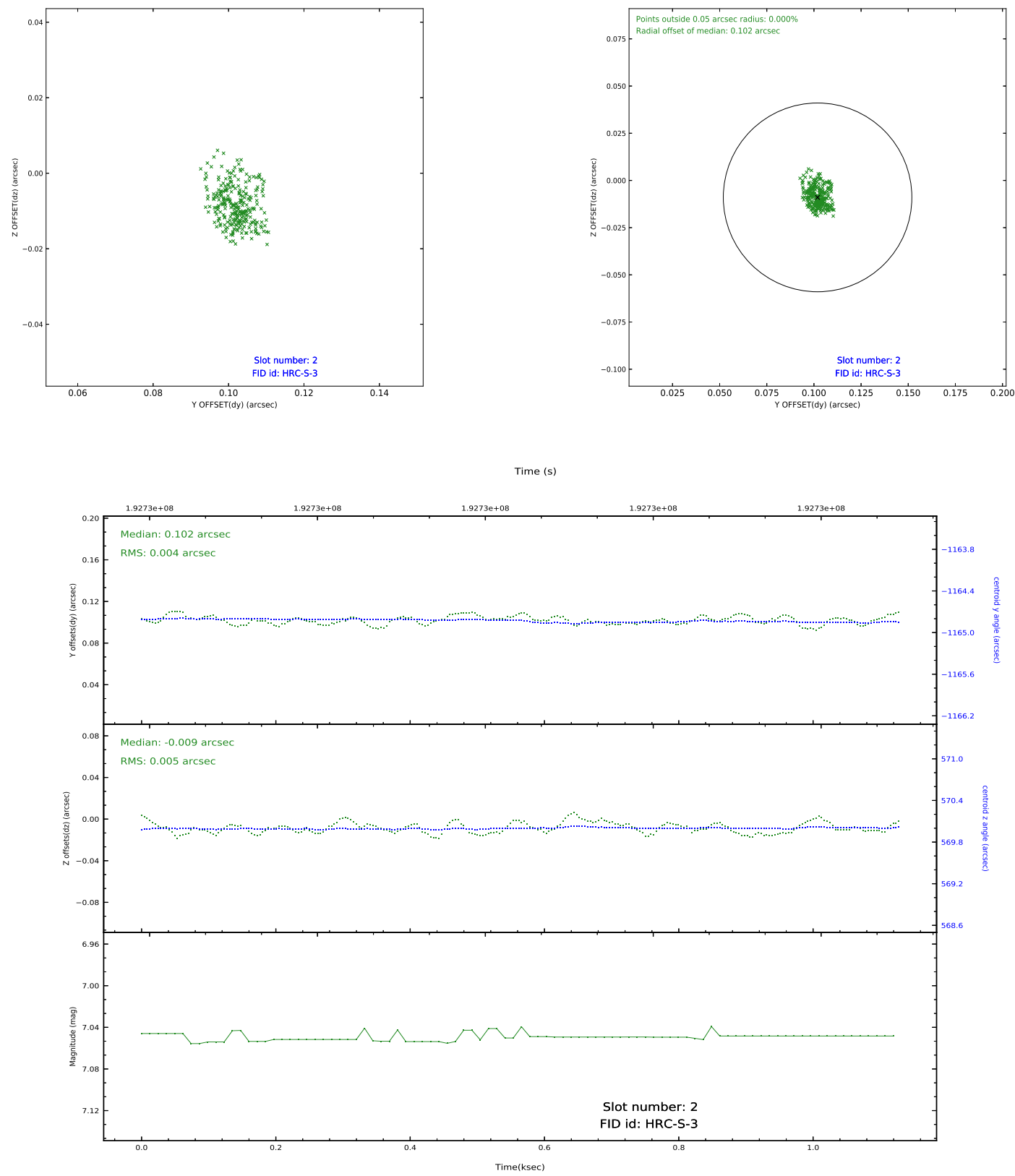
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.088

A.2 Comments