

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20657 - L2 Version 2
Chandra X-Ray Center

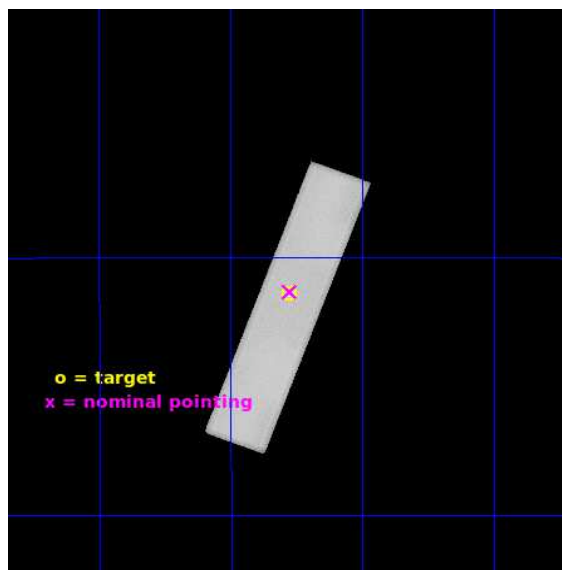
L2 Processing Date : Oct 25 2020

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1 Front

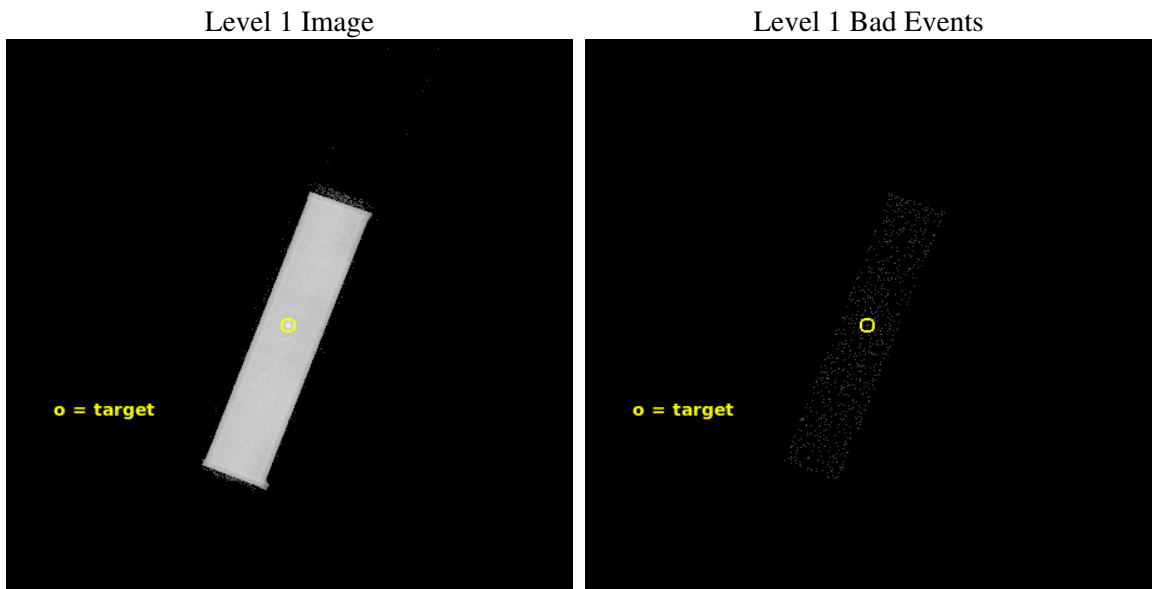
seq_num	590561	Sequence number
obs_id	20657	Observation id
title	AO-18 Calibration Observations of G21.5-09	Proposal title
observer	CXC Calibration	Principal investigator
object	G21.5-09	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.38784989208	Nominal RA [deg]
dec_nom	-10.566053239497	Nominal Dec [deg]
roll_nom	110.61133319688	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10174.919351459	[s]
livetime	10059.179218626	Ontime multiplied by DTCOR
l2events	923230	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	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	10174.919351459	[s]
caldbver	4.9.3	 	l1events	1042943	Number of level 1 events
date	2020-10-26T00:35:17	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

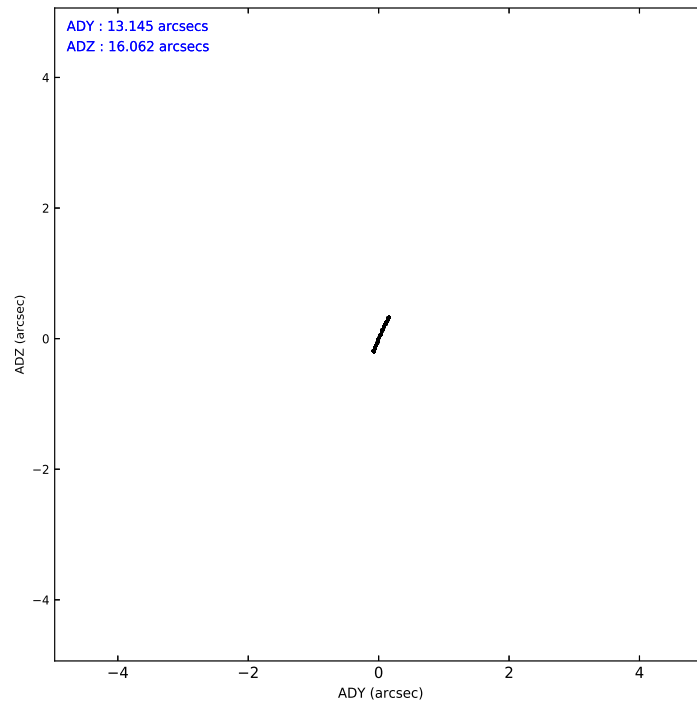
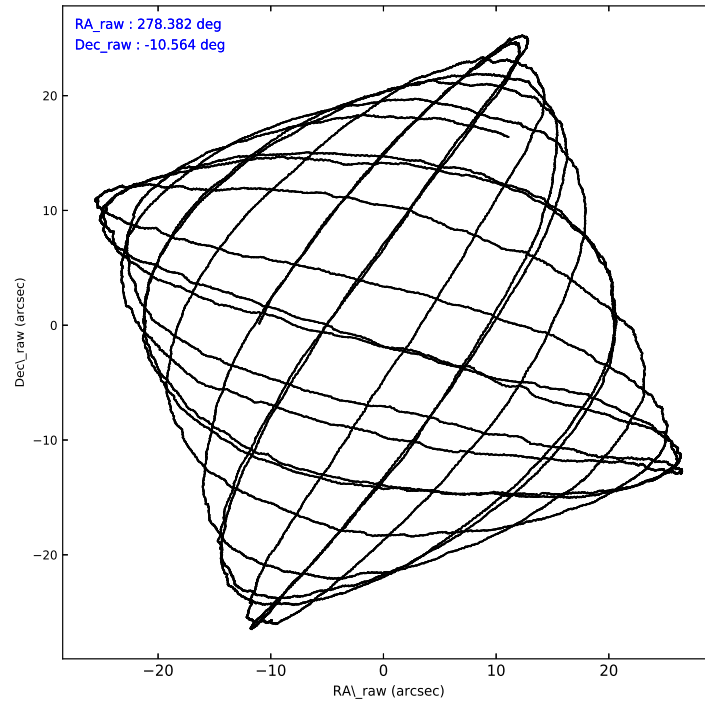
	segment 1	segment 2	segment 3
level 1 events	1	1042934	8
rejected events	1	7397	8
rejected %	100%	0%	100%

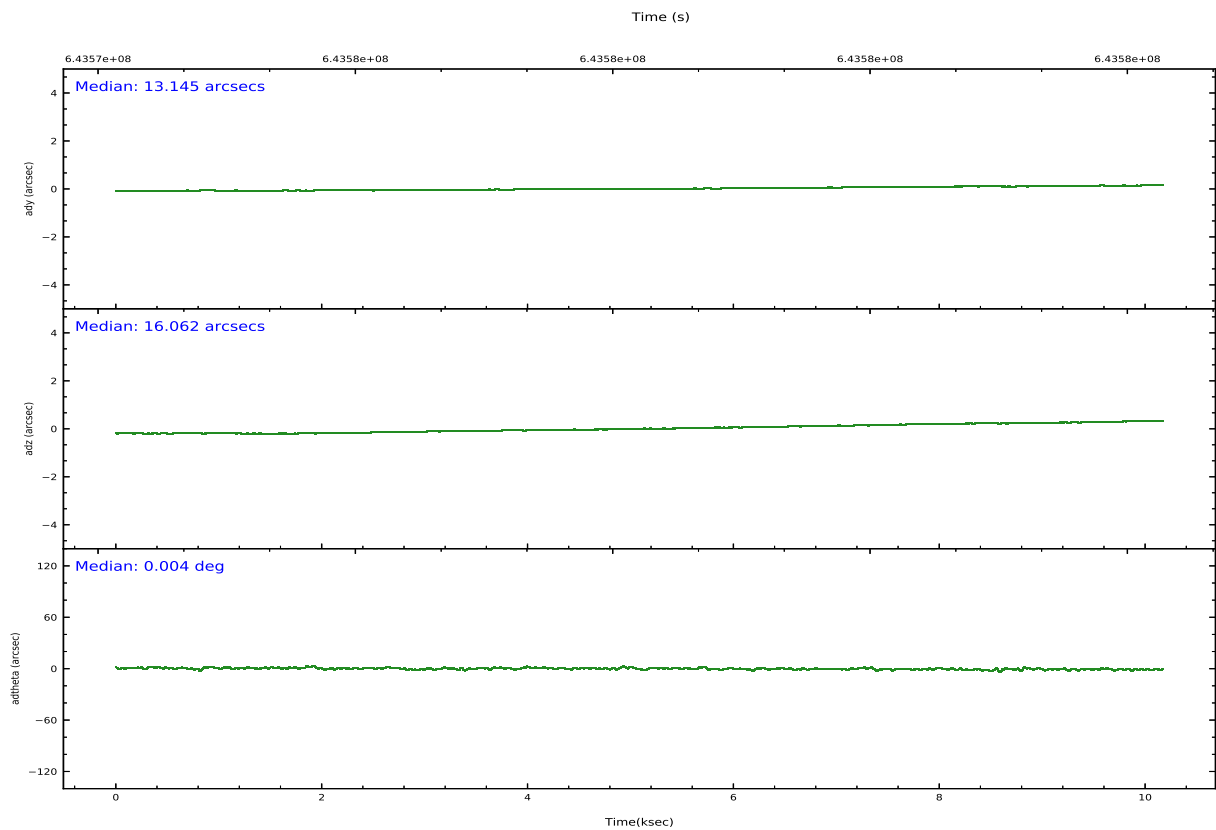
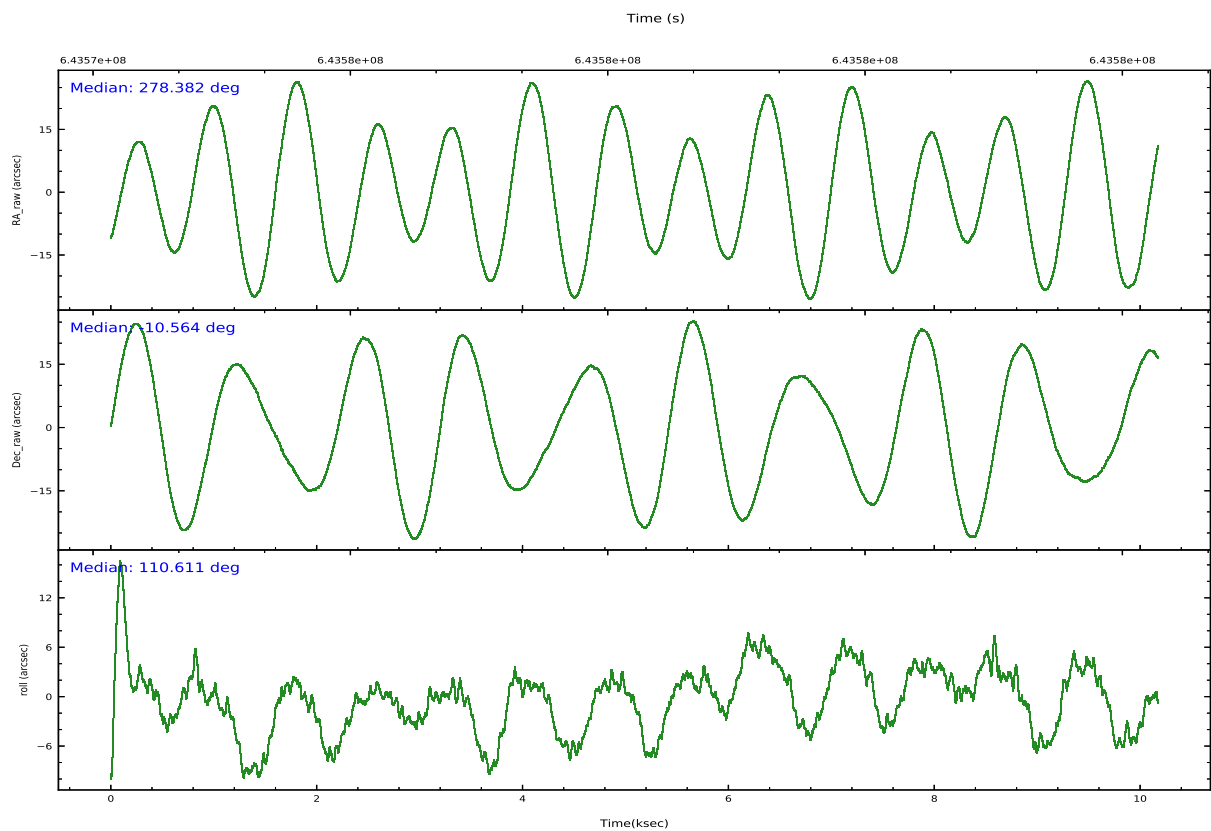
2.2 Compared Parameters

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	278.405701	278.38784989208
[deg] Pointing Dec	-10.581428	-10.566053239497
[deg] Pointing Roll	110.556892	110.61133319688
[s] Window start time (MET)	638928069.184000	638928069.184000
[s] Window stop time (MET)	644112069.184000	644112069.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	643572848.184000	643572468.80942
Observation start date	2018-05-24T18:12:59	2018-05-24T18:07:48
[s] Observation end time (MET)	643582848.184000	643583757.64759
Observation end date	2018-05-24T20:59:39	2018-05-24T21:15:57

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

2.3 Aspect



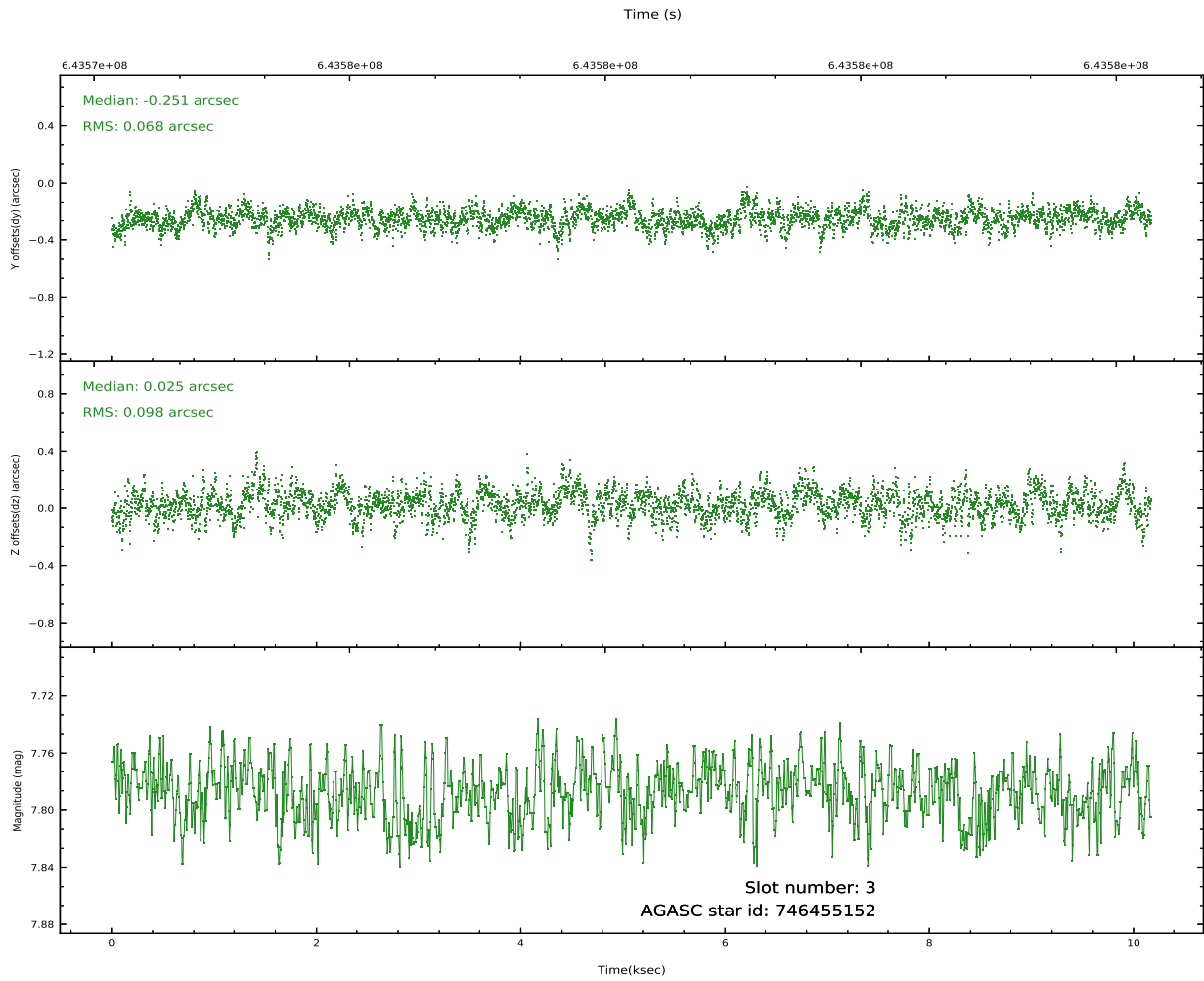
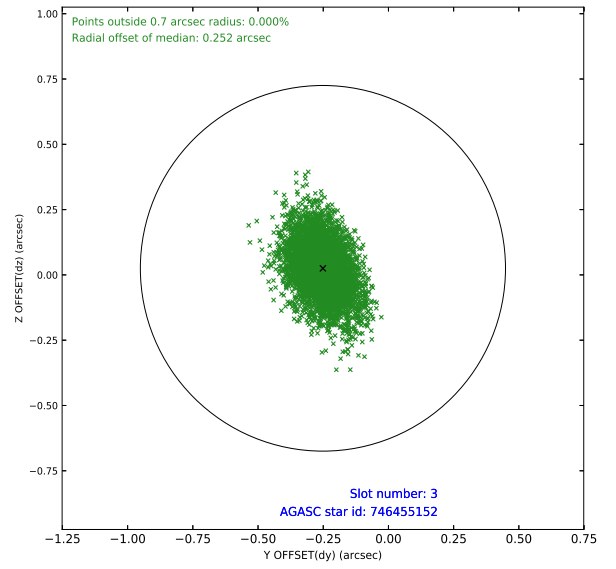
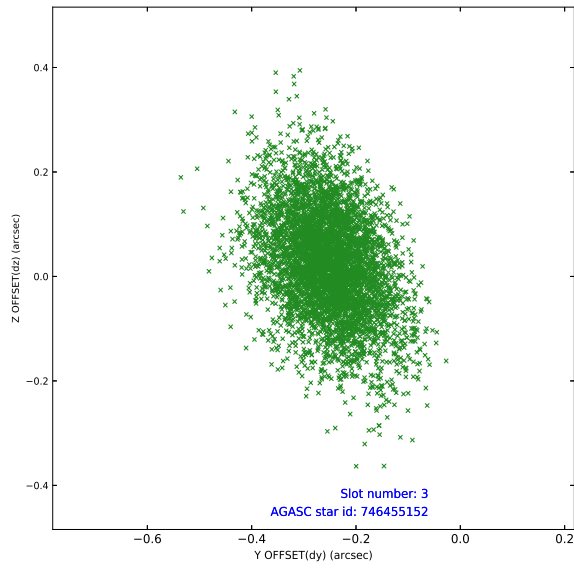


Slot Statistics

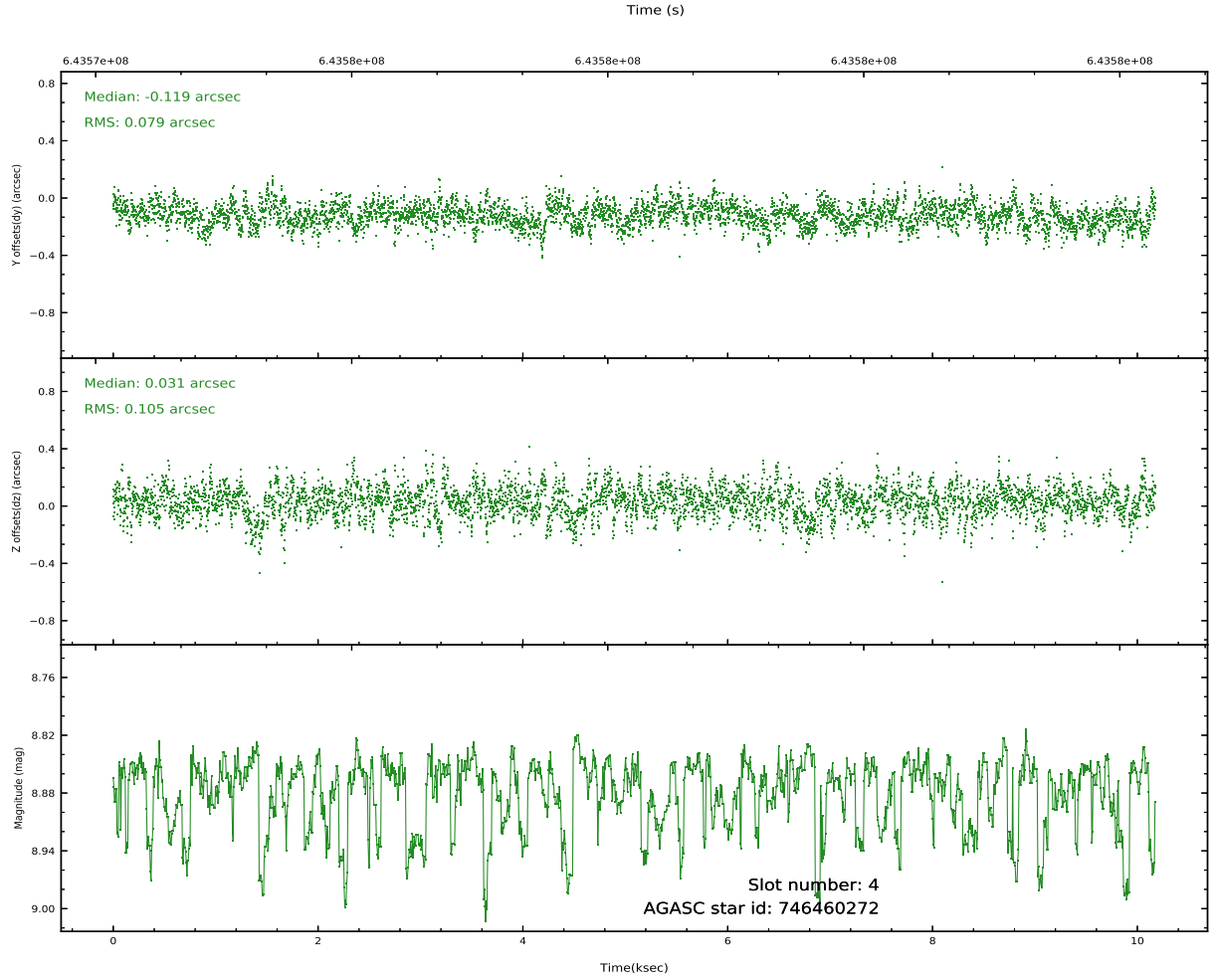
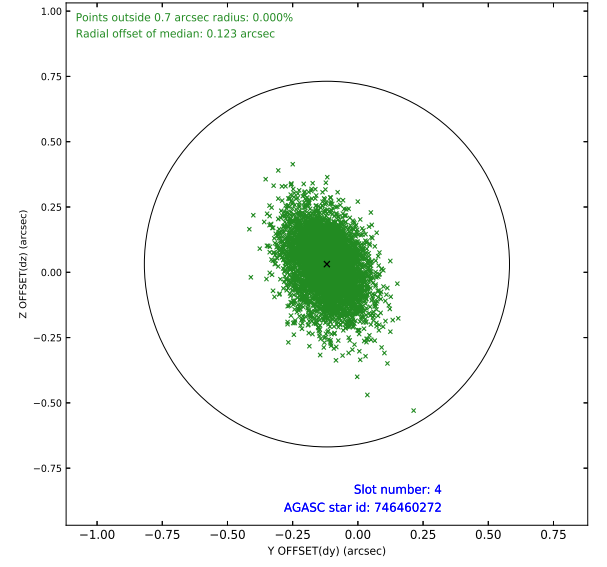
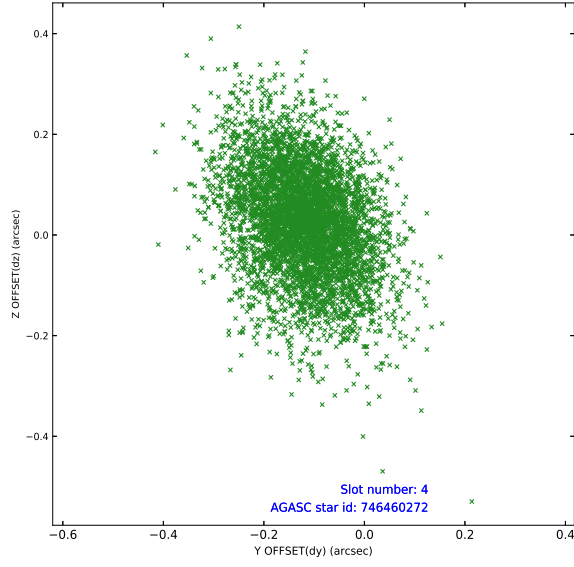
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.06	2482	1.000	0.270	-0.181	0.010	0.018	0.000000	0.000000	1232.28	-457
1	FID		HRC-S-3	7.05	2482	1.000	-0.054	-0.041	0.007	0.013	0.000000	0.000000	-1169.79	564
2	FID		HRC-S-4	7.05	2482	1.000	0.190	-0.073	0.009	0.015	0.000000	0.000000	1230.44	567
3	GUIDE	used	746455152	7.79	4960	1.000	-0.251	0.025	0.123	0.215	278.447893	-9.976732	1985.28	-904
4	GUIDE	used	746460272	8.87	4956	1.000	-0.119	0.031	0.136	0.236	278.847488	-10.152127	896.67	-2008
5	GUIDE	used	746462456	8.37	4965	1.000	0.163	-0.091	0.132	0.224	278.652171	-10.530173	-136.11	-881
6	GUIDE	used	746462680	8.98	4963	1.000	0.078	0.040	0.131	0.224	278.660755	-10.782756	-995.74	-590
7	GUIDE	used	746462392	8.49	4956	1.000	0.131	-0.008	0.120	0.210	279.038421	-10.890715	-1834.37	-1703

2.4 Star Slots

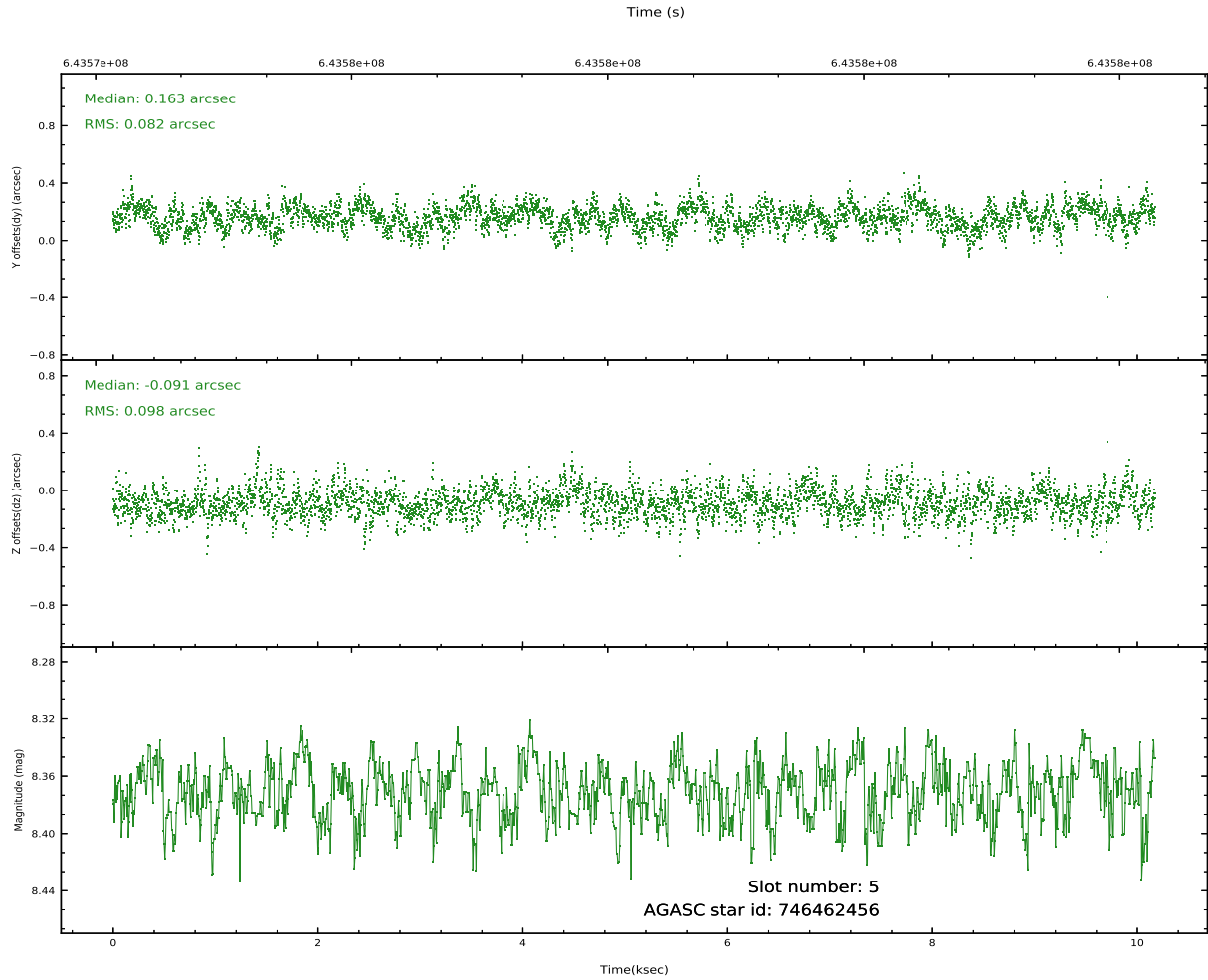
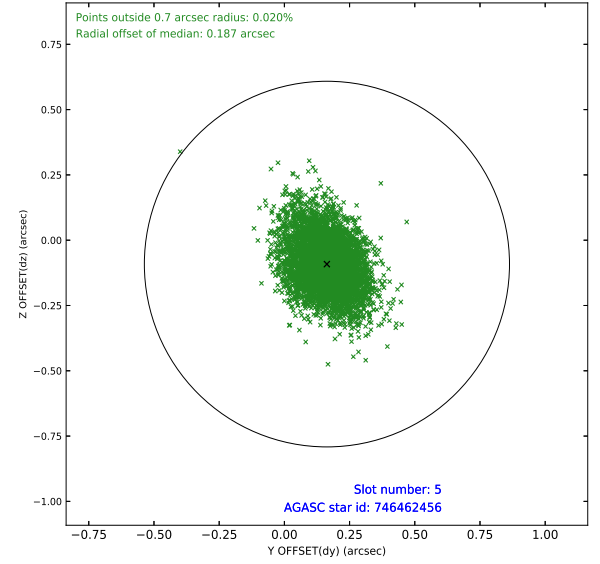
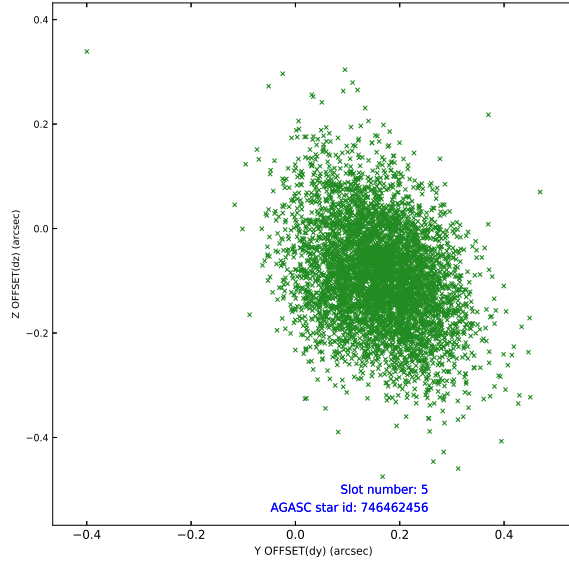
2.4.1 Slot 3



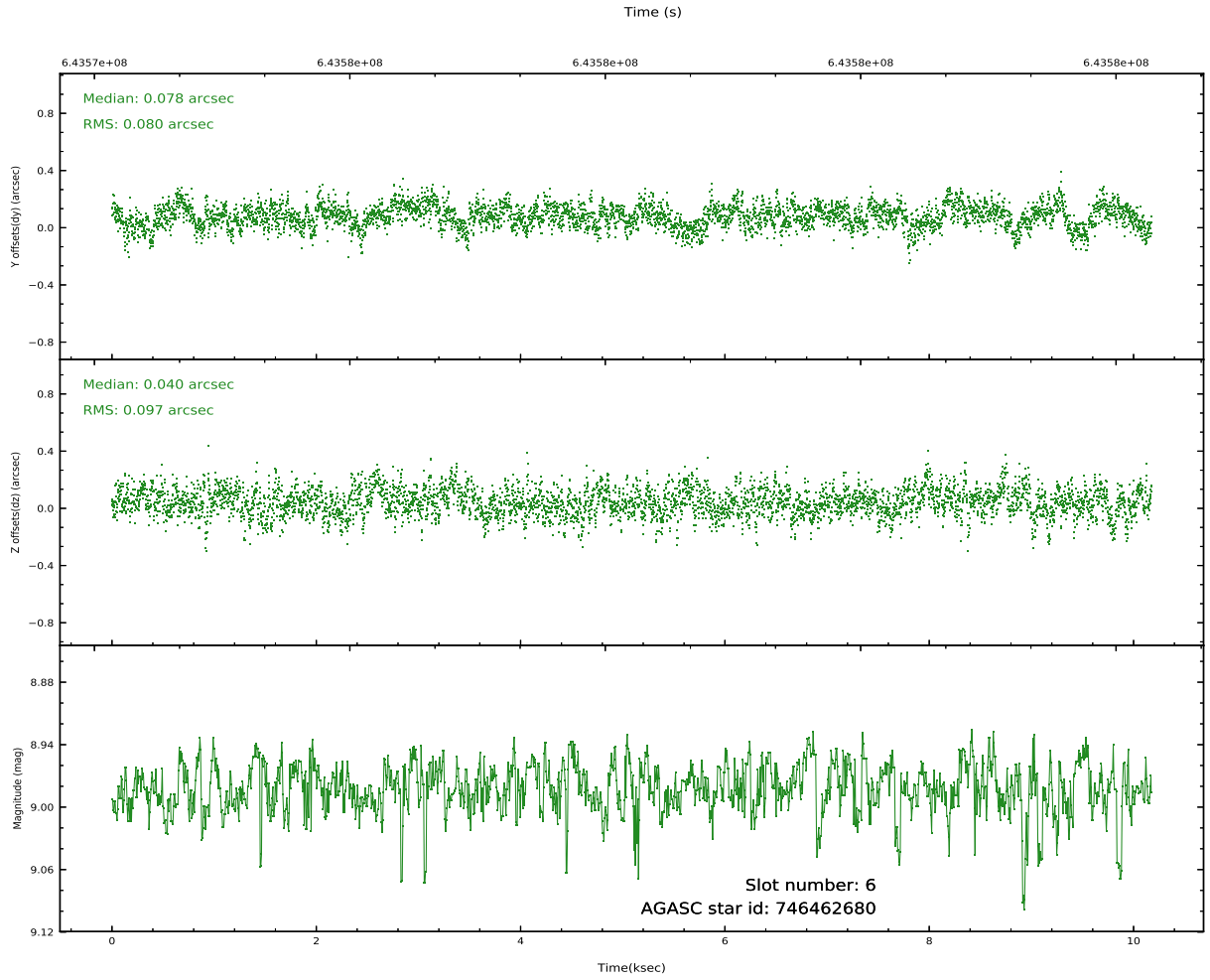
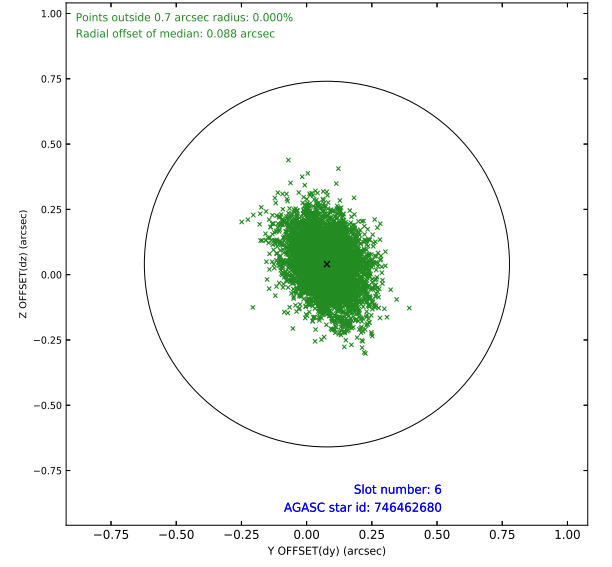
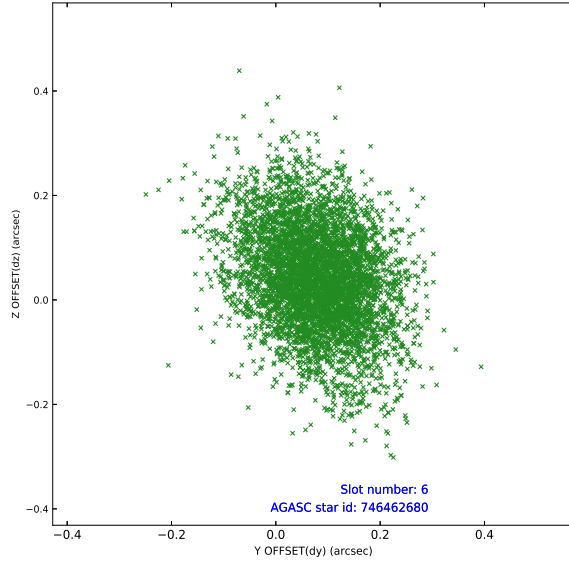
2.4.2 Slot 4



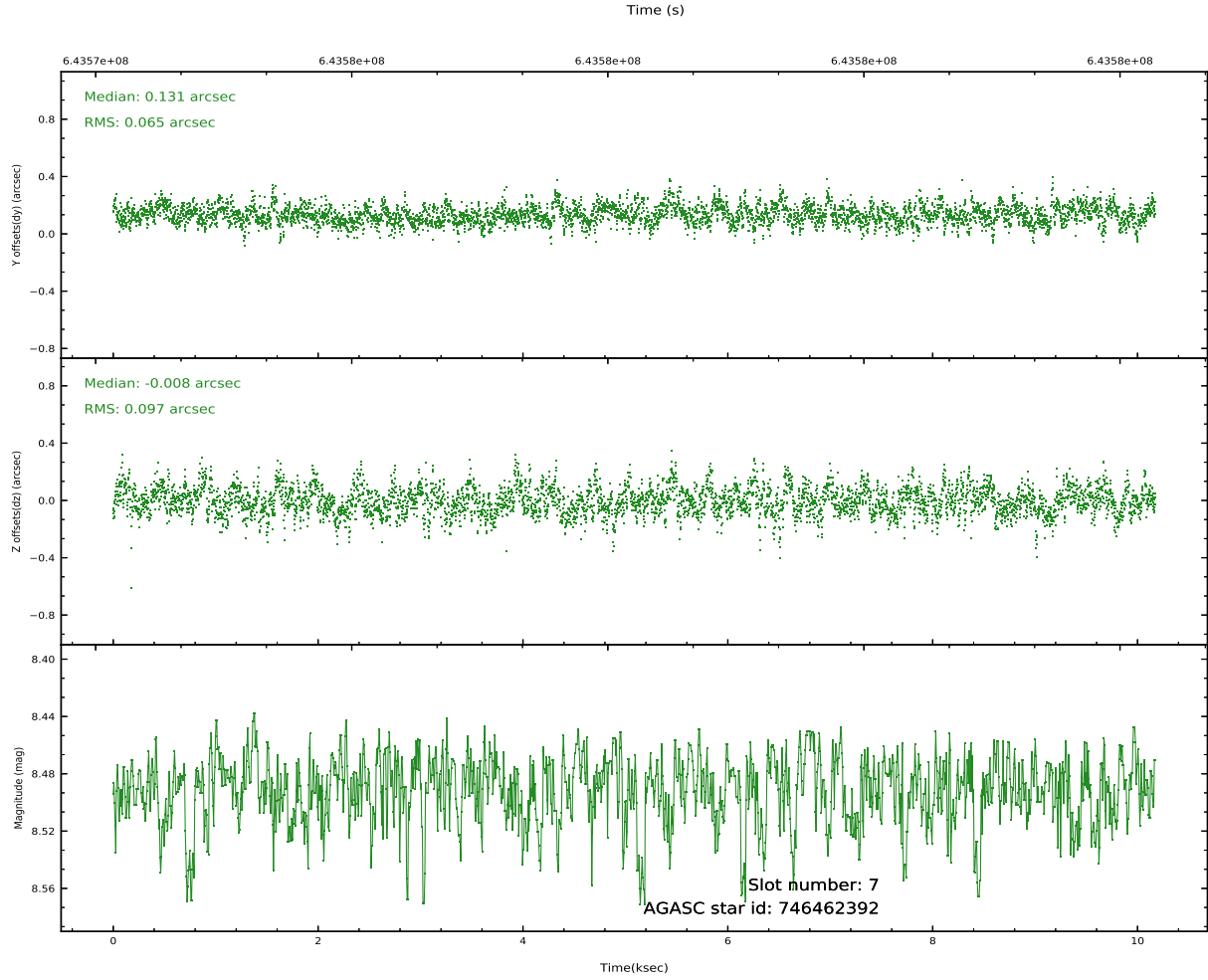
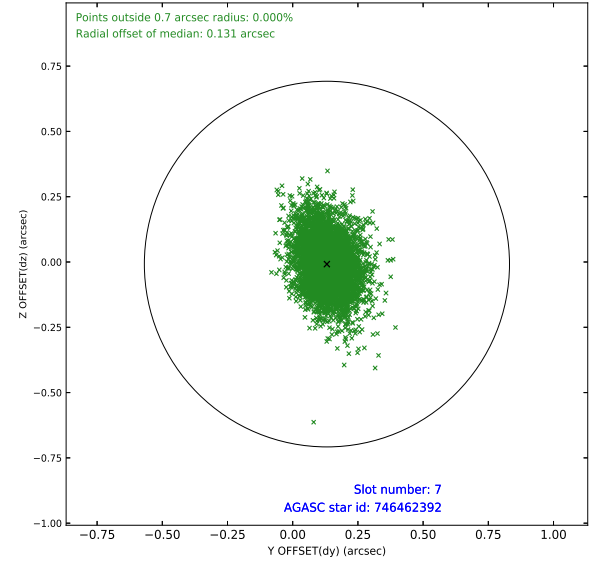
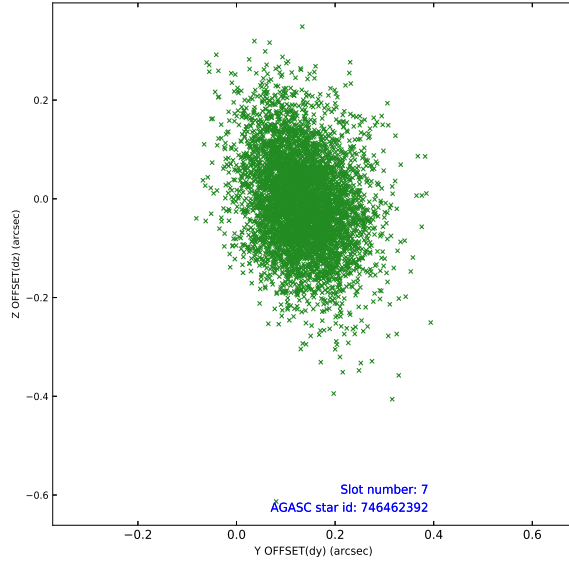
2.4.3 Slot 5



2.4.4 Slot 6

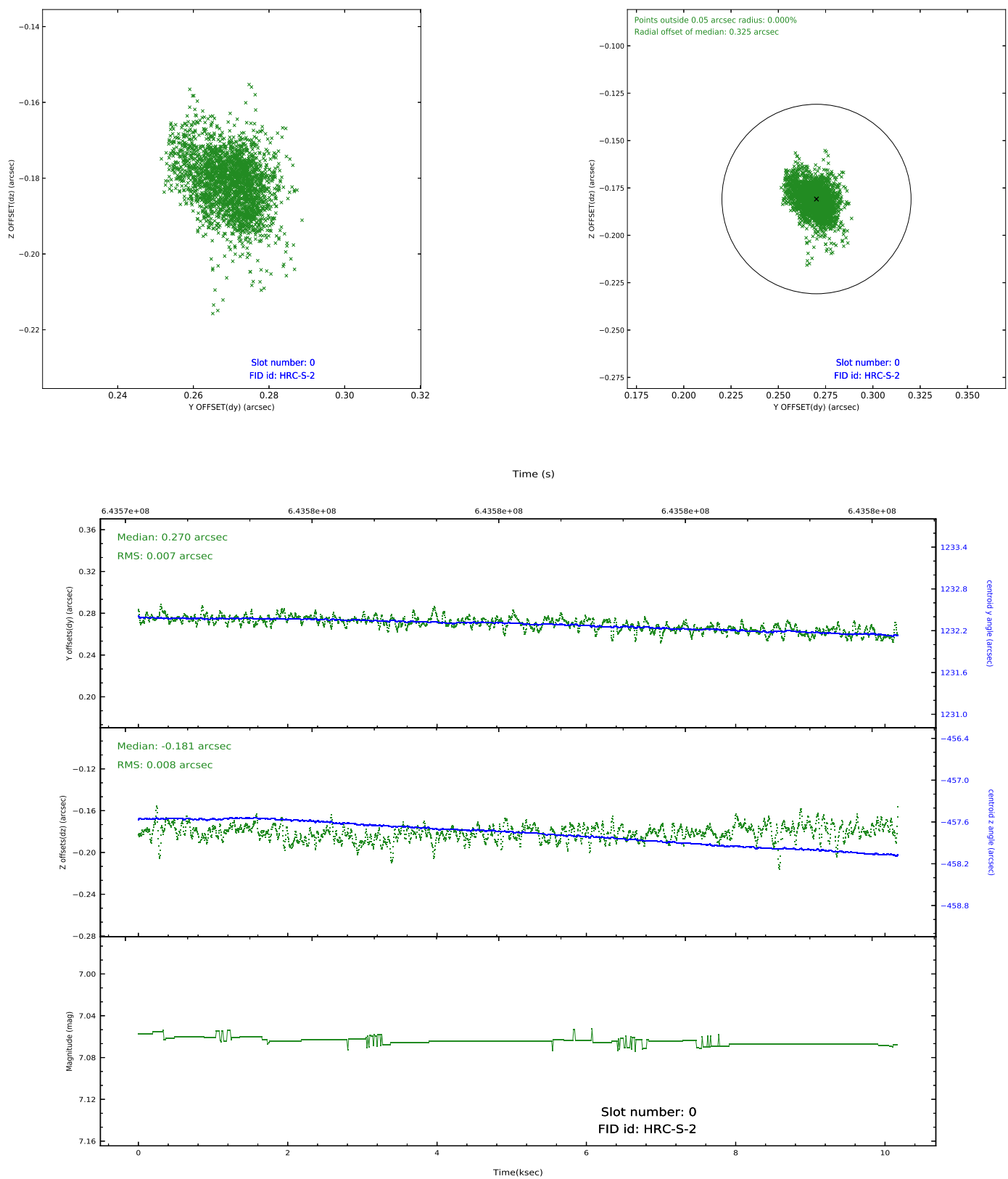


2.4.5 Slot 7

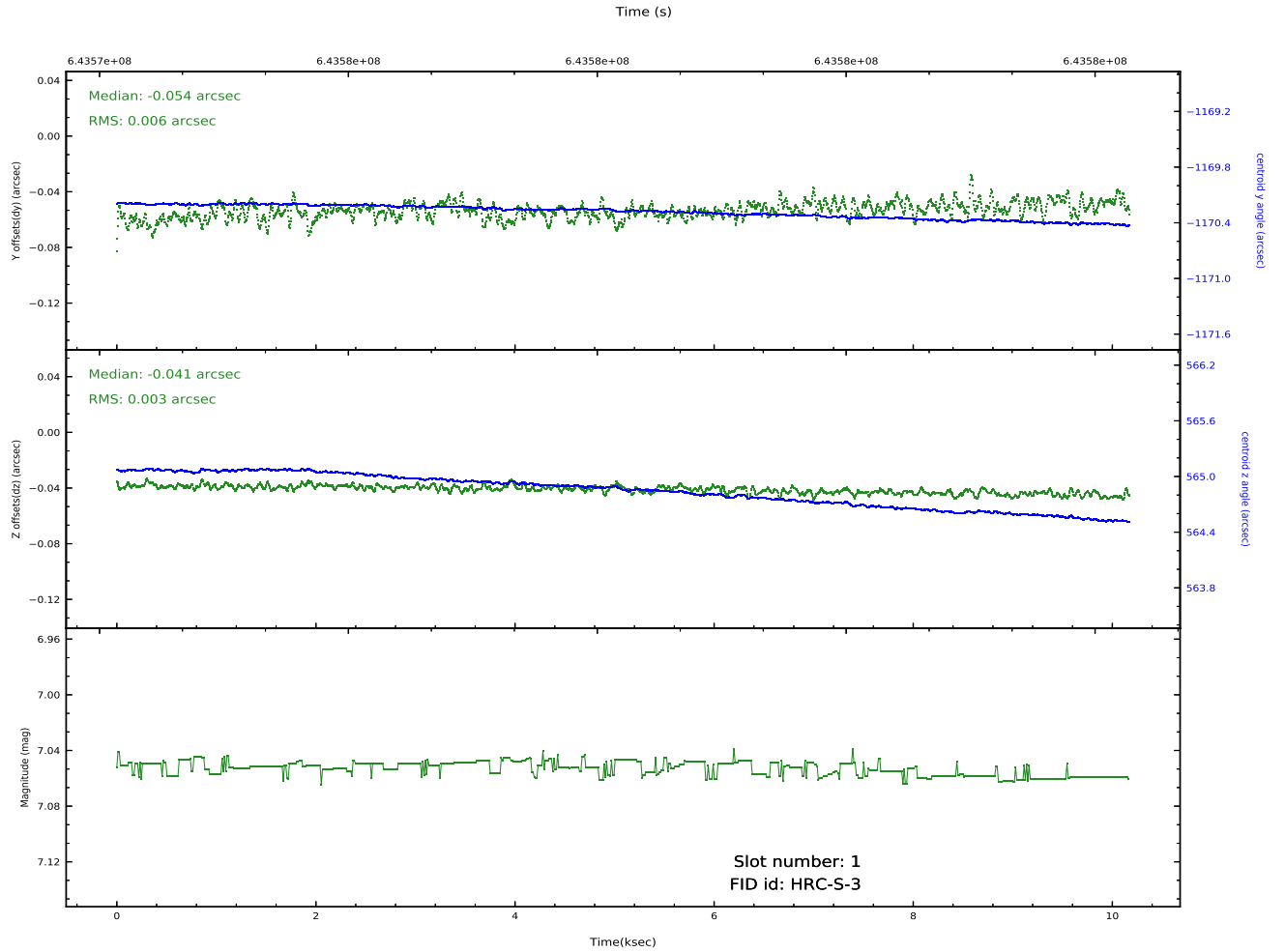
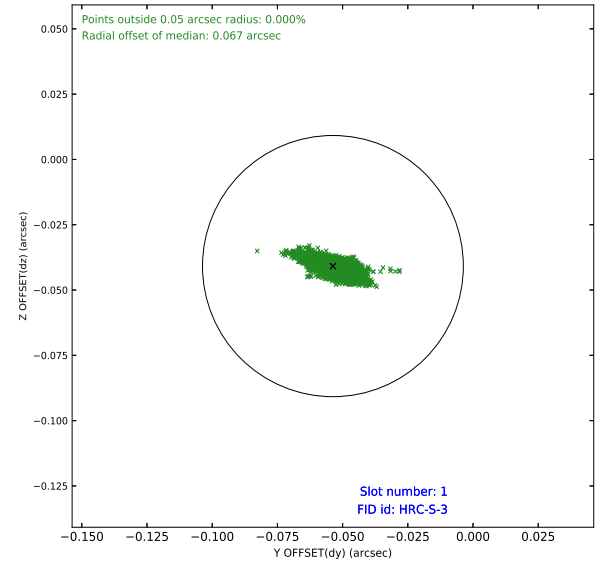
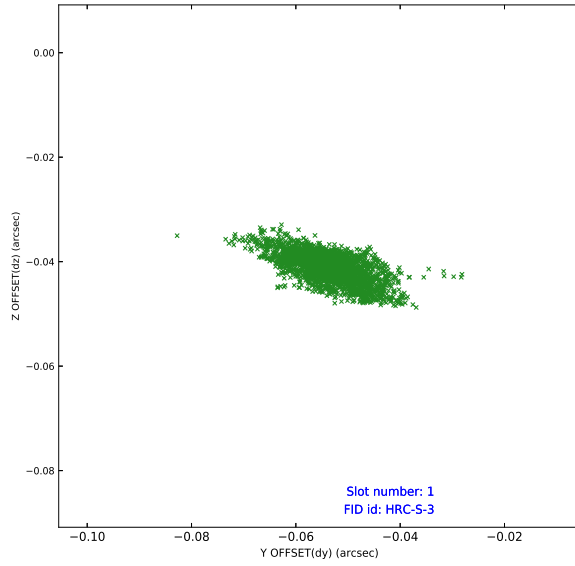


2.5 FID Slots

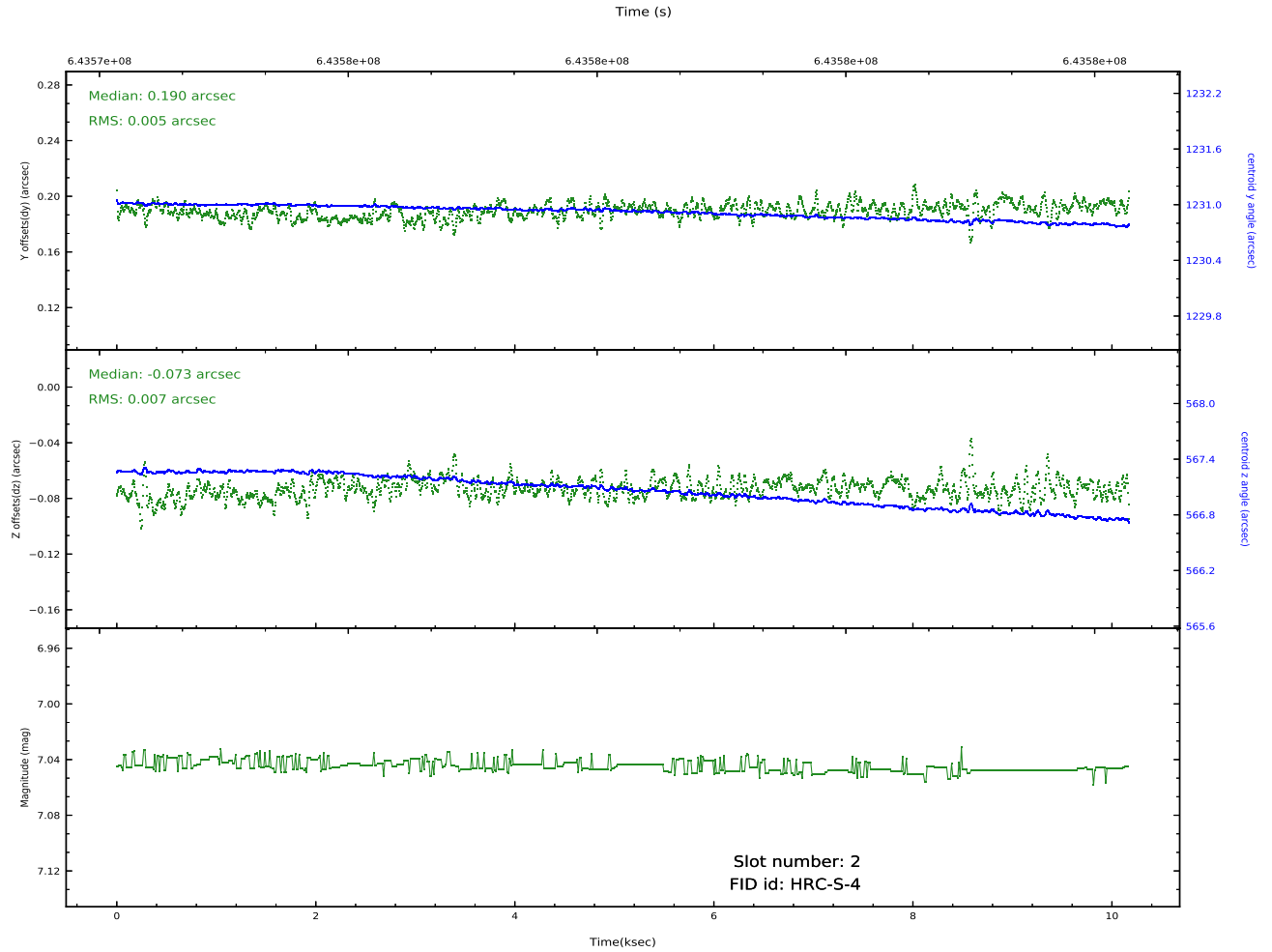
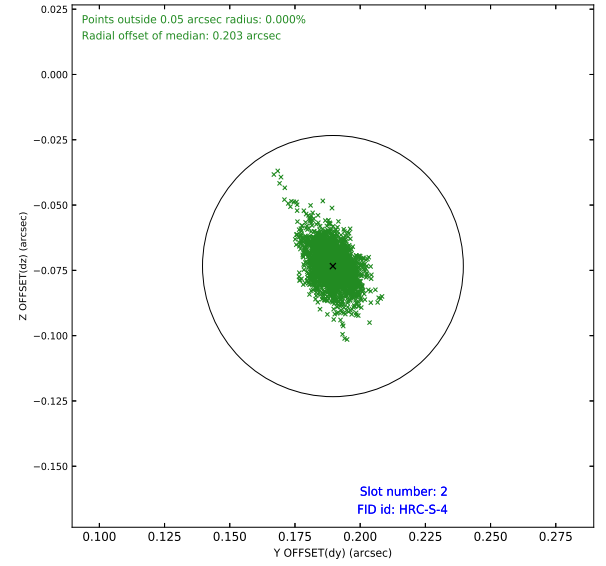
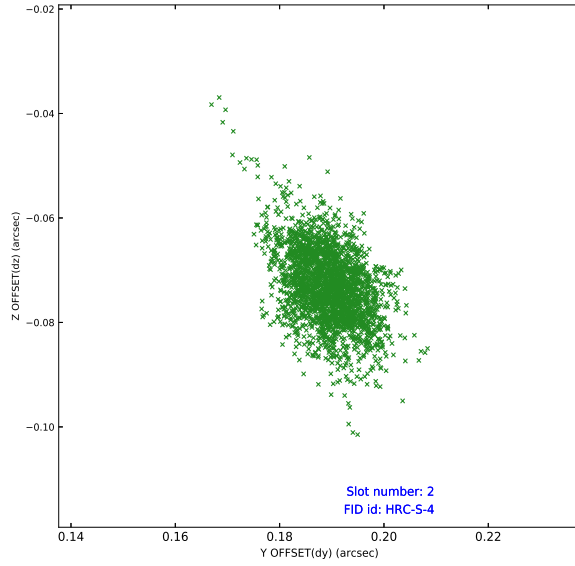
2.5.1 Slot 0



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)	2020.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.175175601721

A.2 Comments

Window constraint met.