

V&V Reference Report

L2 ASCDS Version : 10.9.2

Observation 20699 - L2 Version 2
Chandra X-Ray Center

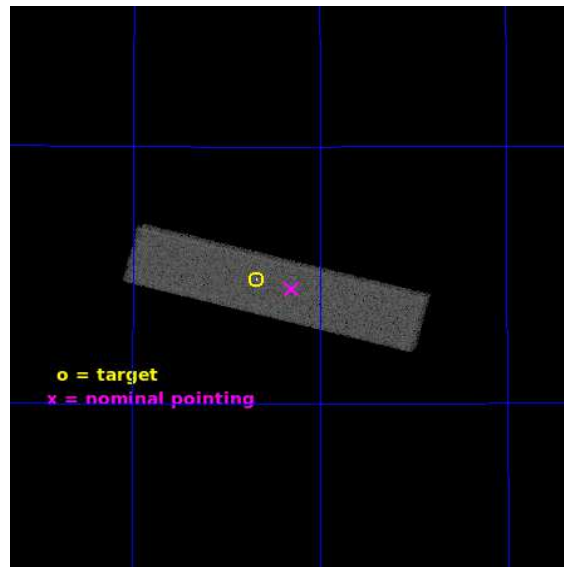
L2 Processing Date : Oct 27 2020

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1 Front

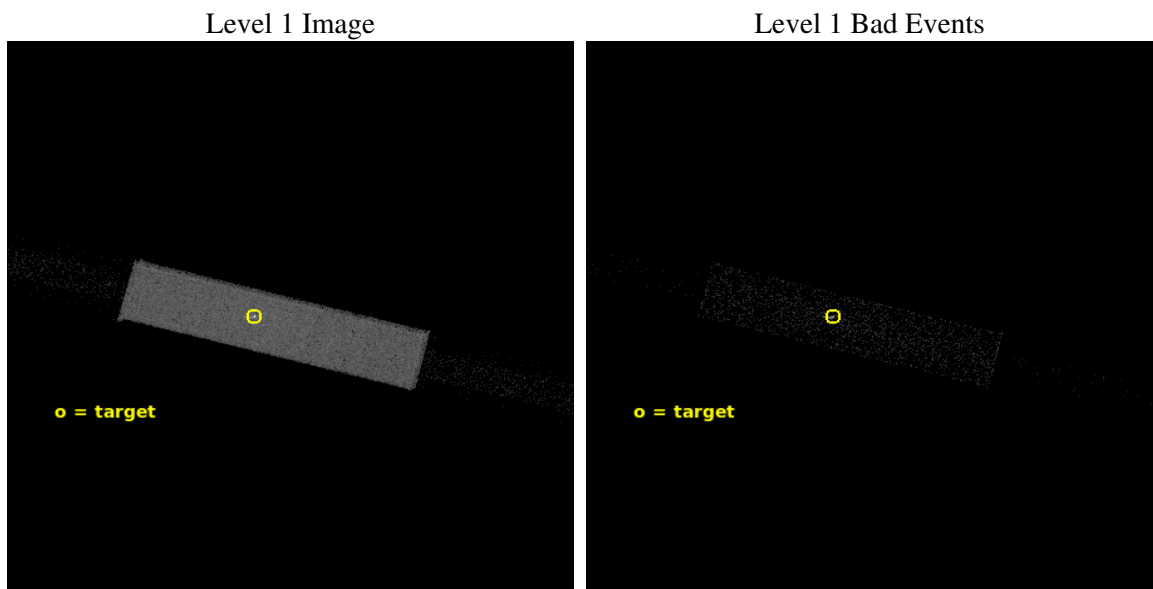
seq_num	291410	Sequence number
obs_id	20699	Observation id
title	AO-19 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.07433118733	Nominal RA [deg]
dec_nom	45.723742164204	Nominal Dec [deg]
roll_nom	194.31876462329	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1167.4750695229	[s]
livetime	1157.5061619358	Ontime multiplied by DTCOR
l2events	76536	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.2	Processing system revision	ontime	1167.4750695229	[s]
caldsver	4.9.3	 	l1events	116098	Number of level 1 events
date	2020-10-27T16:48:16	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

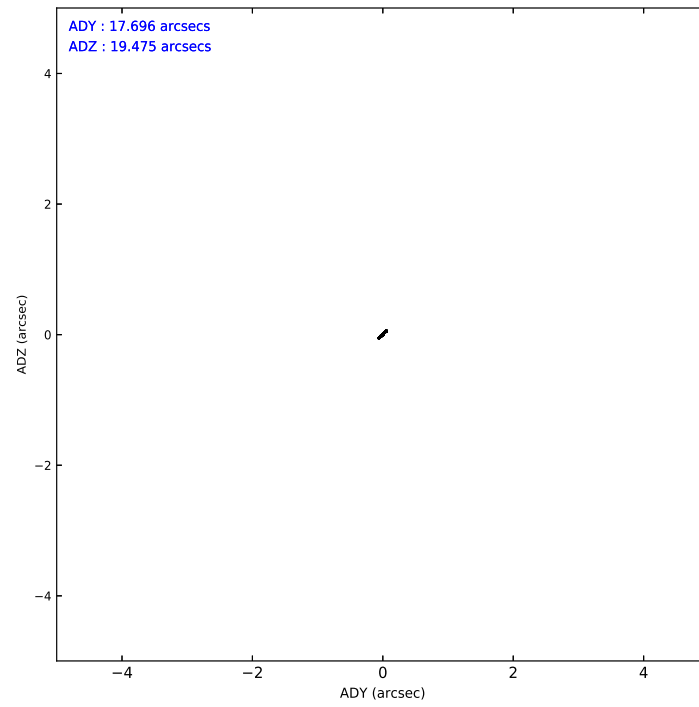
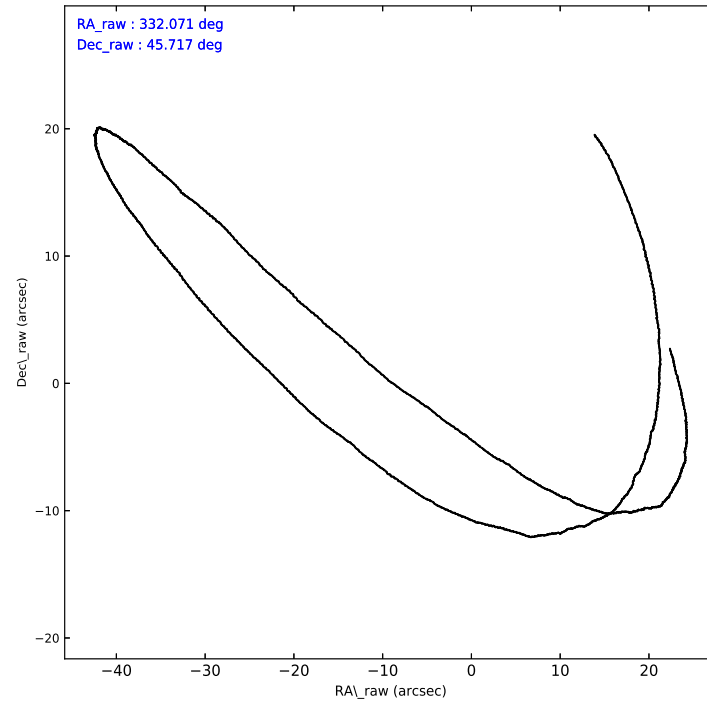
	segment 1	segment 2	segment 3
level 1 events	974	114160	964
rejected events	974	24890	964
rejected %	100%	21%	100%

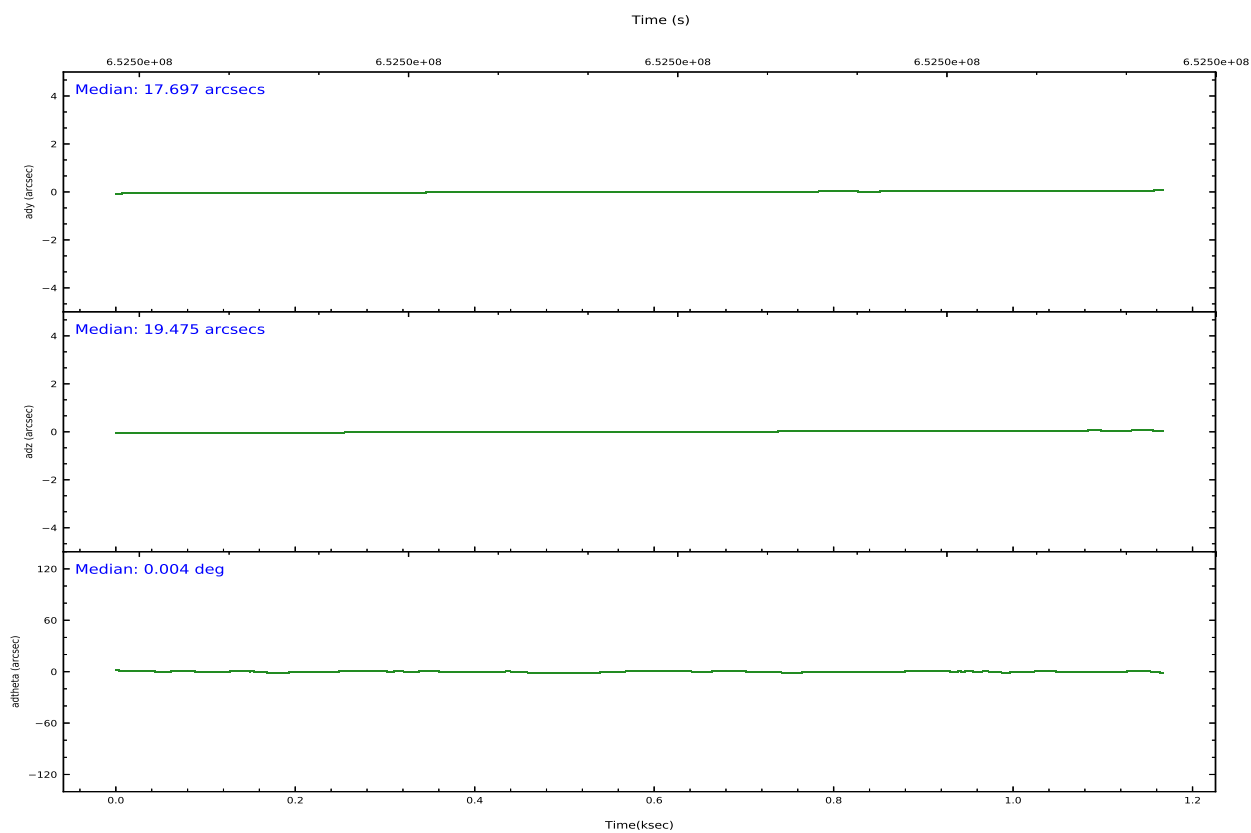
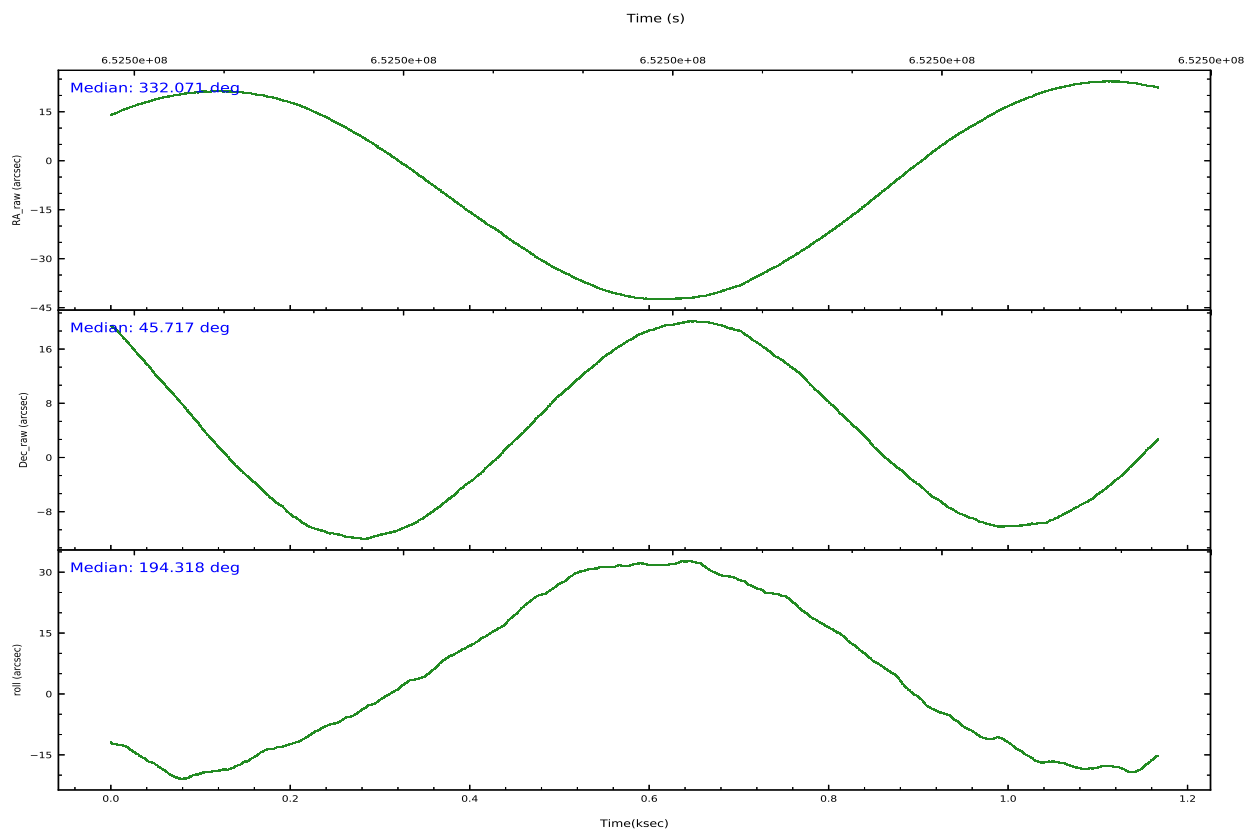
2.2 Compared Parameters

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	332.096438	332.07433118733
[deg] Pointing Dec	45.739147	45.723742164204
[deg] Pointing Roll	194.242164	194.31876462329
[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)	652500541.184000	652500165.01341
Observation start date	2018-09-05T02:07:52	2018-09-05T02:02:45
[s] Observation end time (MET)	652501541.184000	652501674.8385
Observation end date	2018-09-05T02:24:32	2018-09-05T02:27:54

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

2.3 Aspect



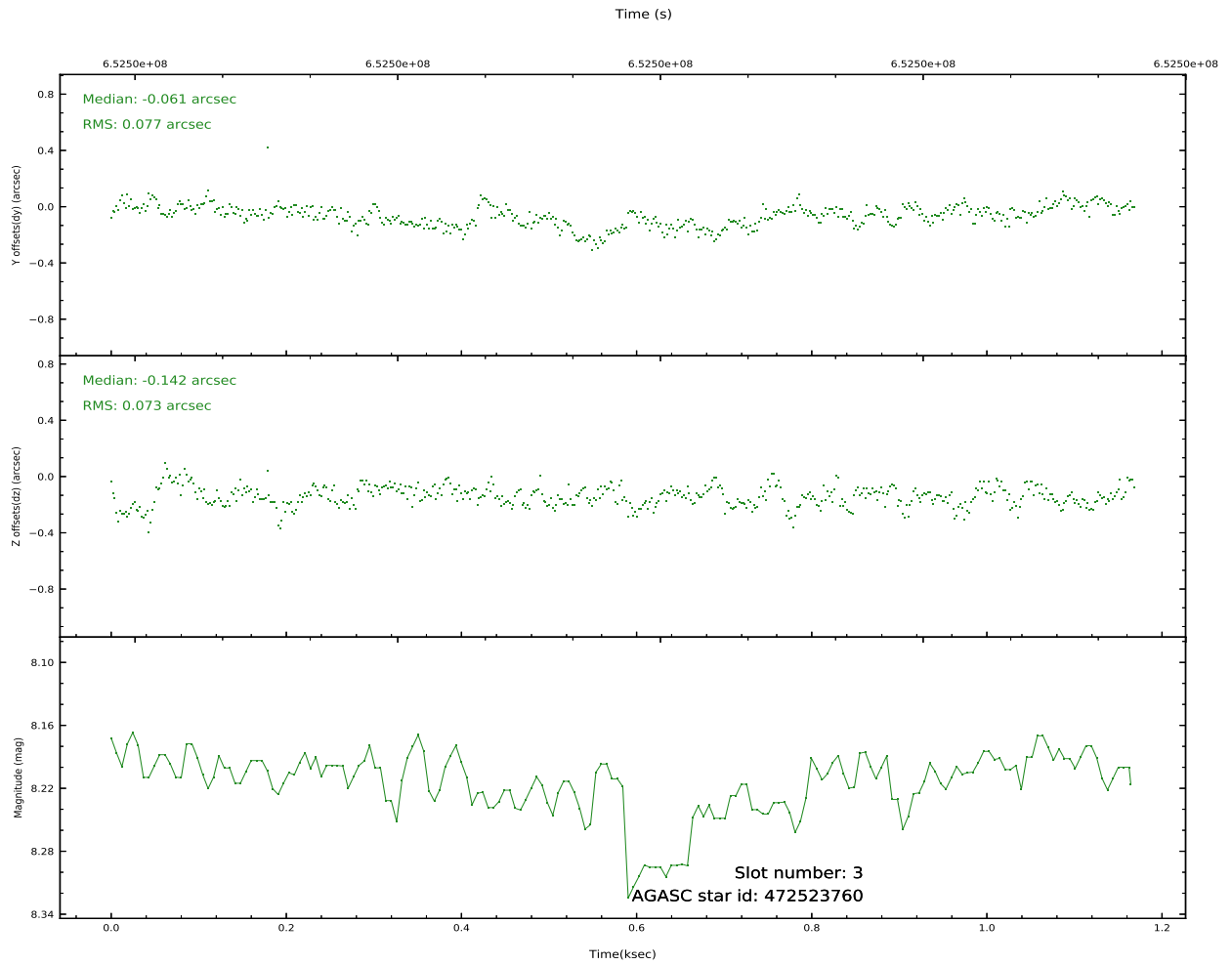
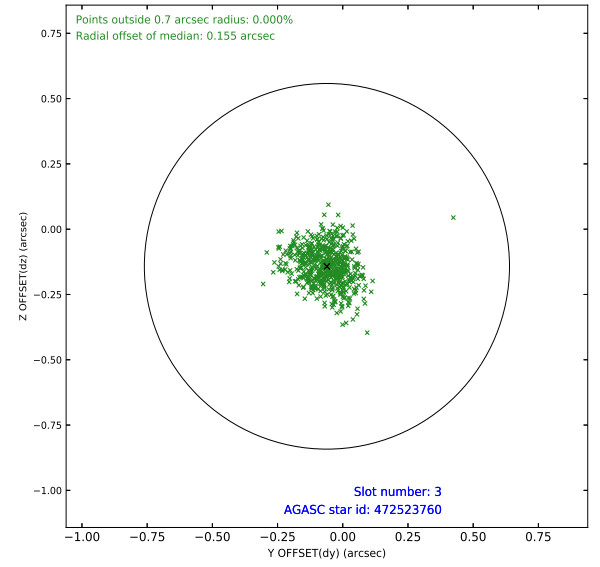
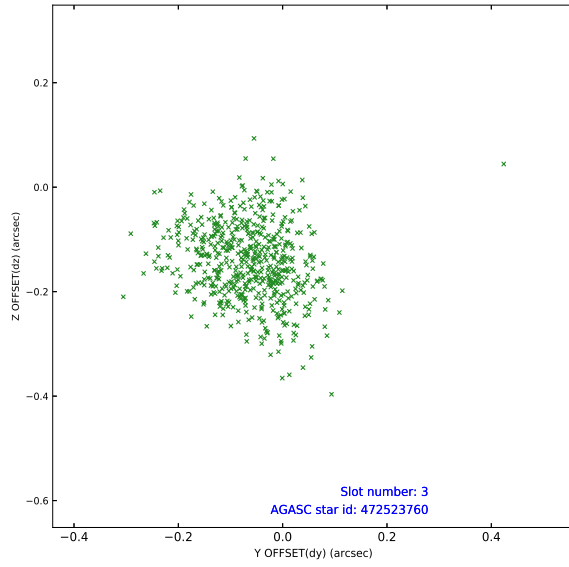


Slot Statistics

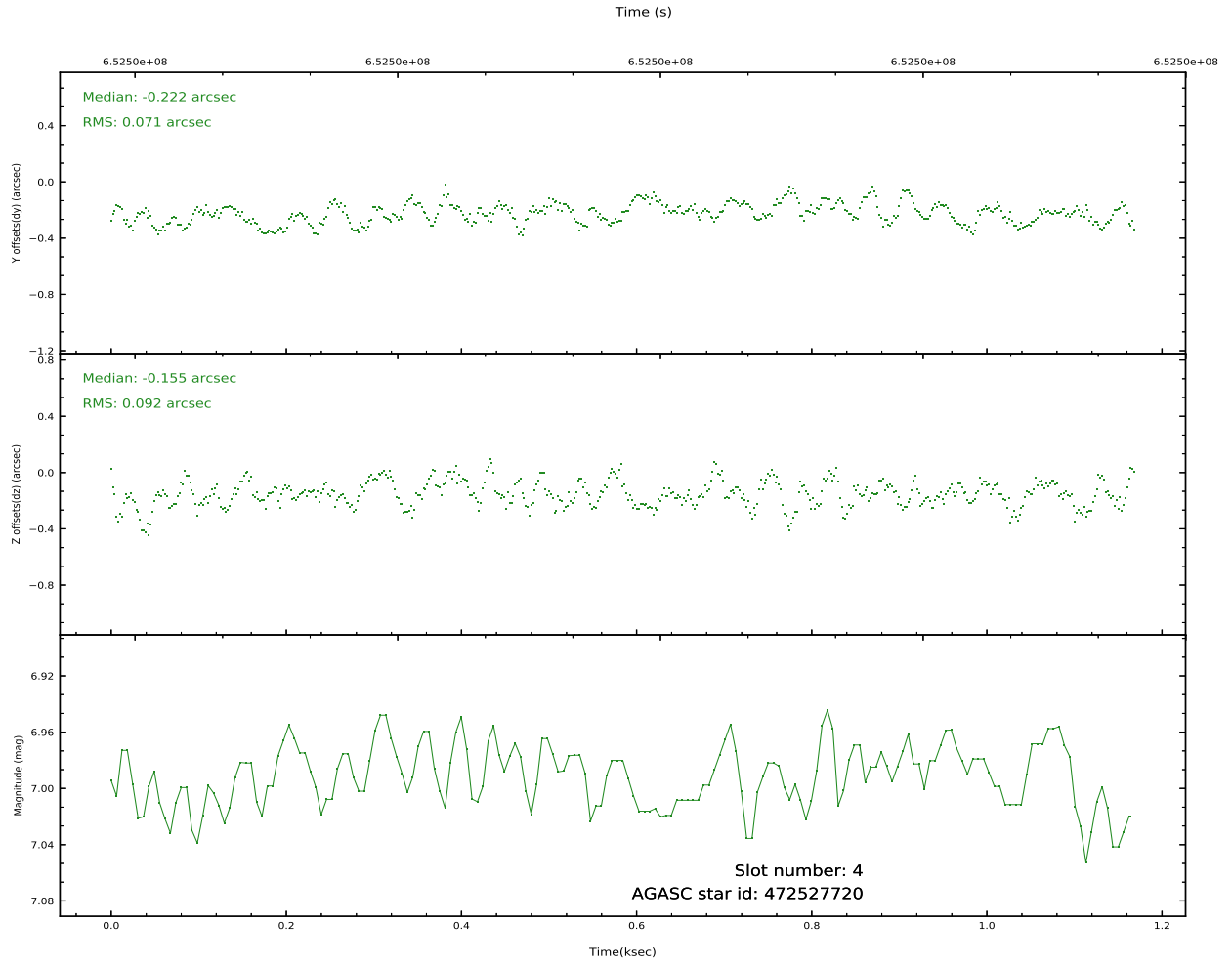
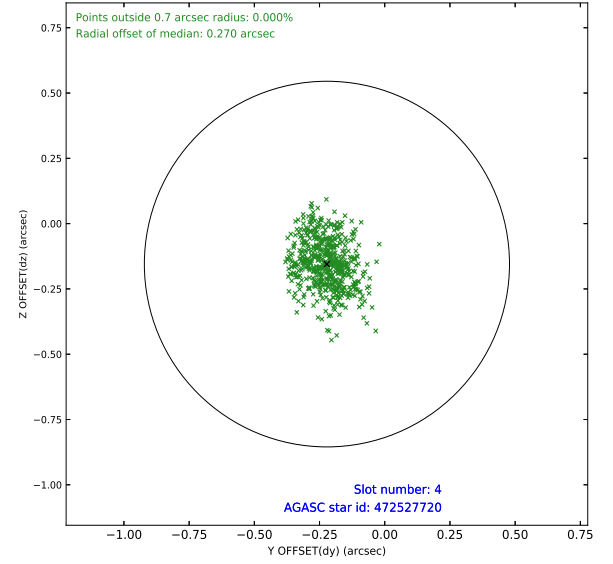
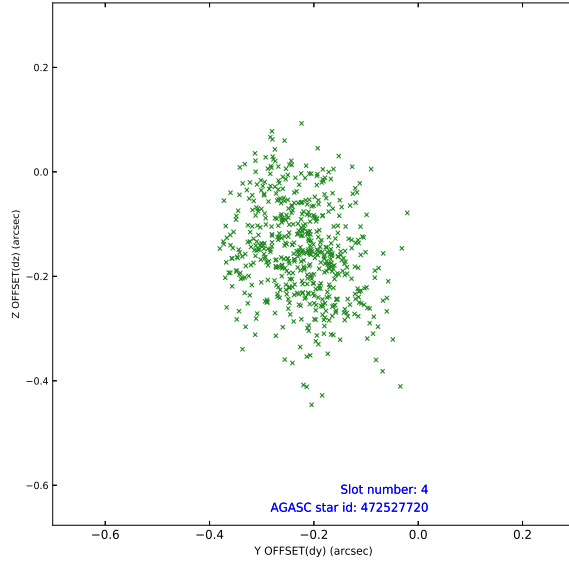
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.05	285	1.000	0.098	-0.259	0.007	0.017	0.000000	0.000000	-1172.20	-468
1	FID		HRC-S-2	7.02	285	1.000	0.287	-0.154	0.005	0.010	0.000000	0.000000	1223.54	-462
2	FID		HRC-S-3	7.03	285	1.000	0.005	0.110	0.007	0.014	0.000000	0.000000	-1170.58	559
3	GUIDE	used	472523760	8.21	571	1.000	-0.061	-0.142	0.110	0.180	331.645363	45.403260	1403.62	884
4	GUIDE	used	472527720	6.99	571	1.000	-0.222	-0.155	0.128	0.198	331.460205	45.112509	2123.77	1780
5	GUIDE	used	472535576	7.83	570	1.000	-0.042	0.099	0.112	0.197	331.438373	46.291802	1101.21	-2338
6	GUIDE	used	472533912	9.10	569	1.000	0.005	0.047	0.160	0.300	331.791136	46.368695	181.06	-2392
7	GUIDE	used	472665256	8.95	569	1.000	0.329	0.155	0.128	0.221	332.808125	46.195041	-2122.24	-1170

2.4 Star Slots

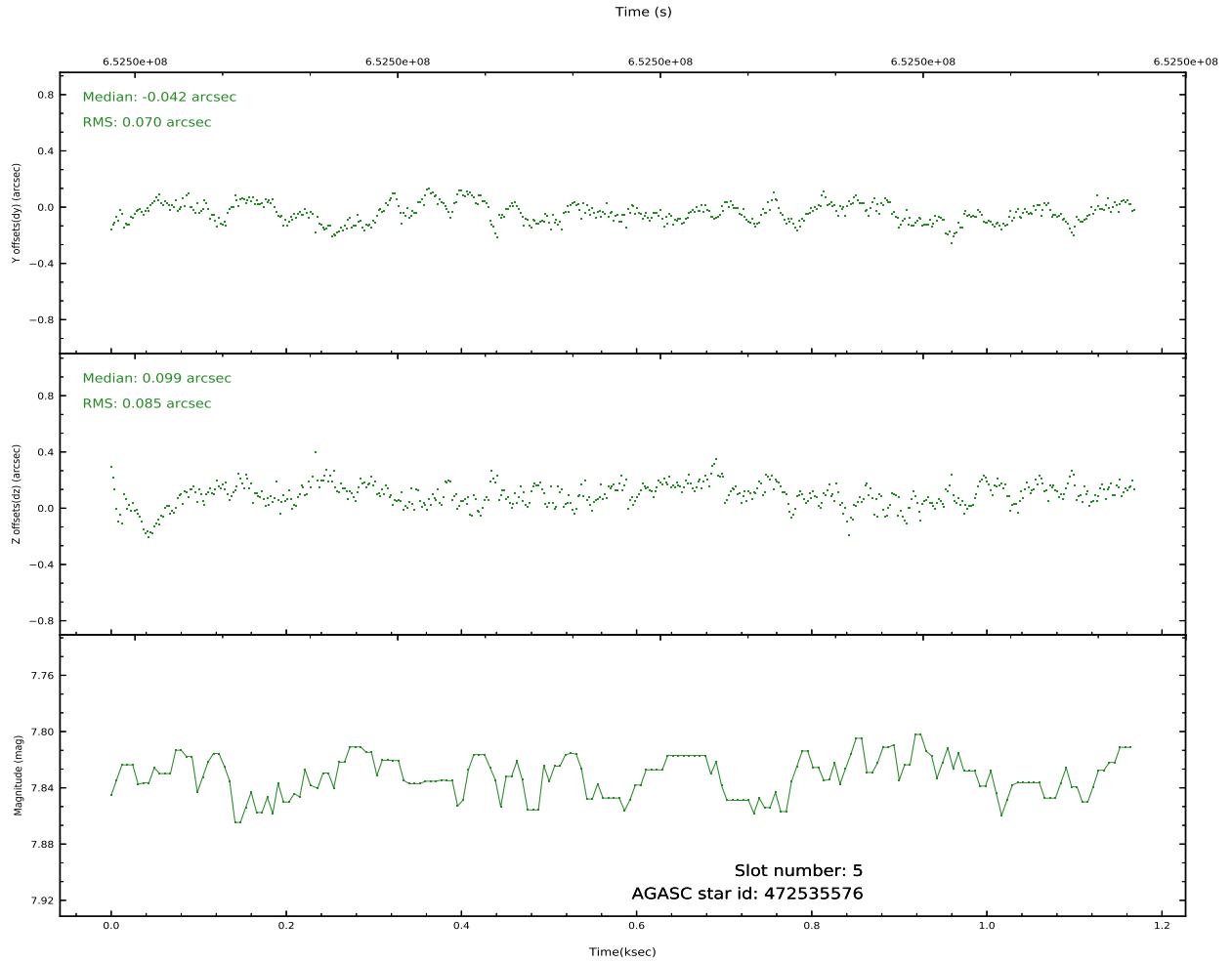
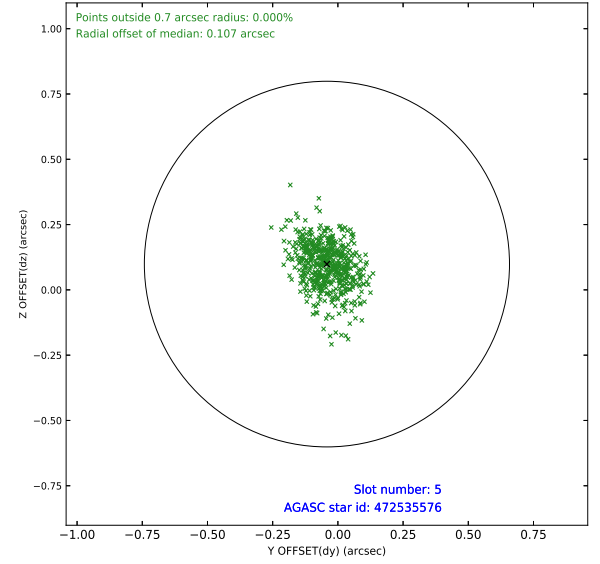
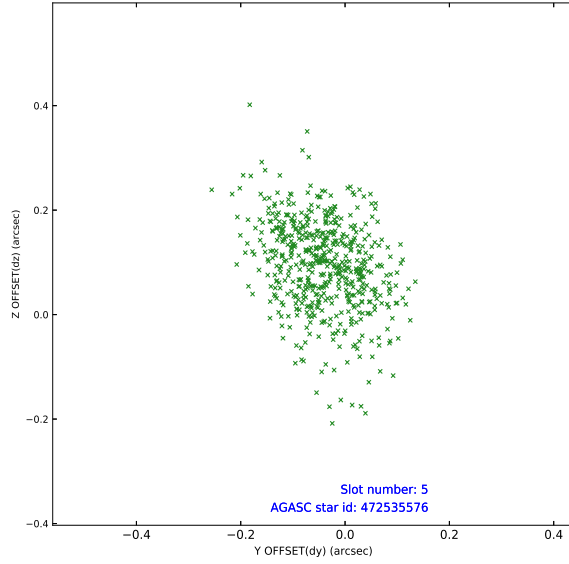
2.4.1 Slot 3



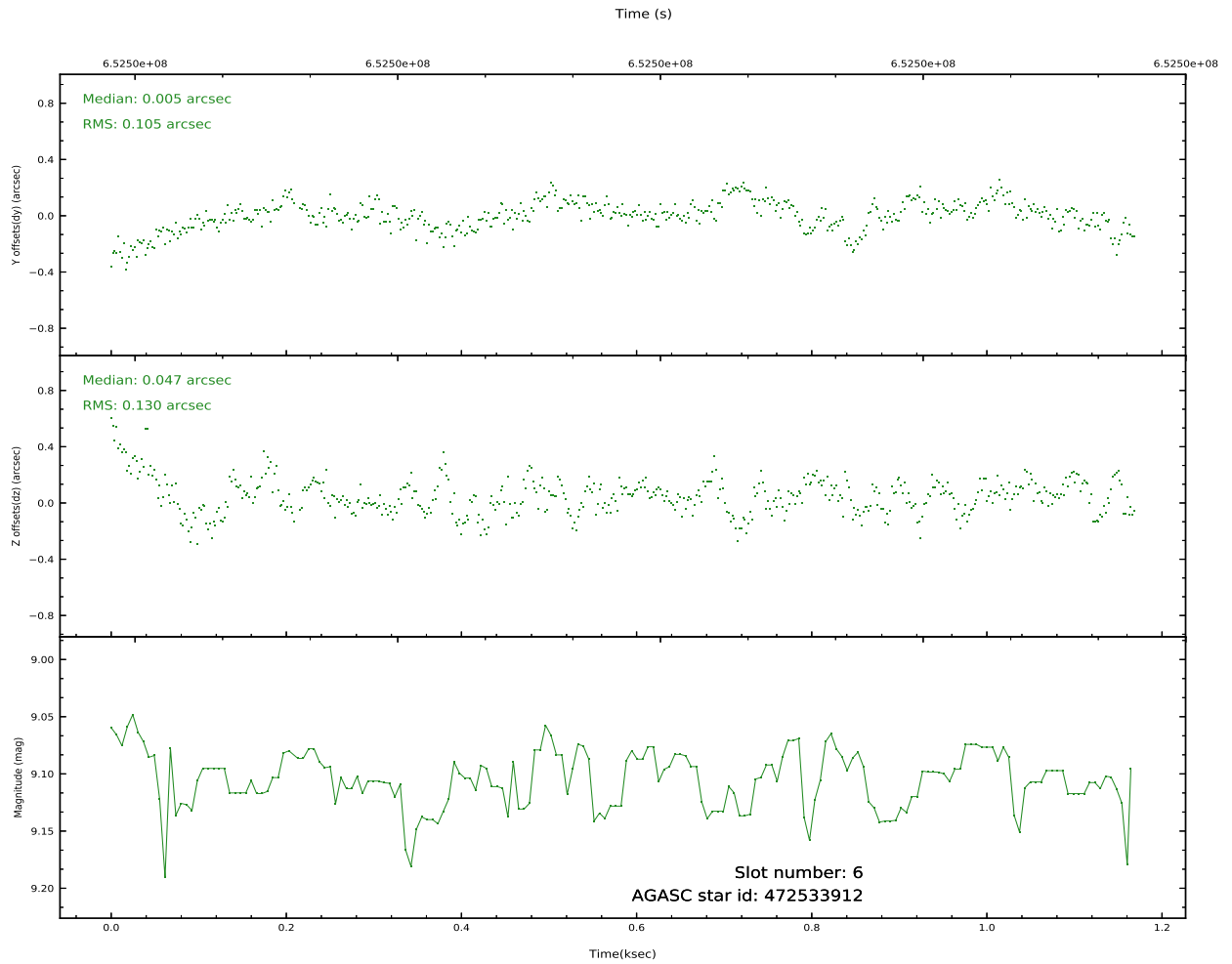
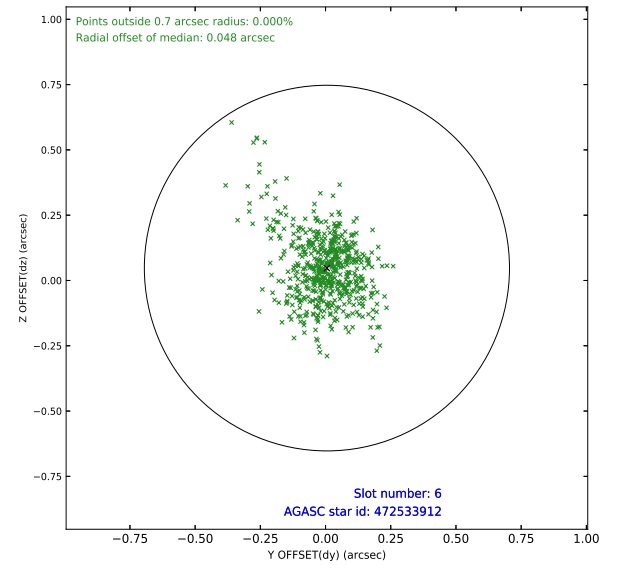
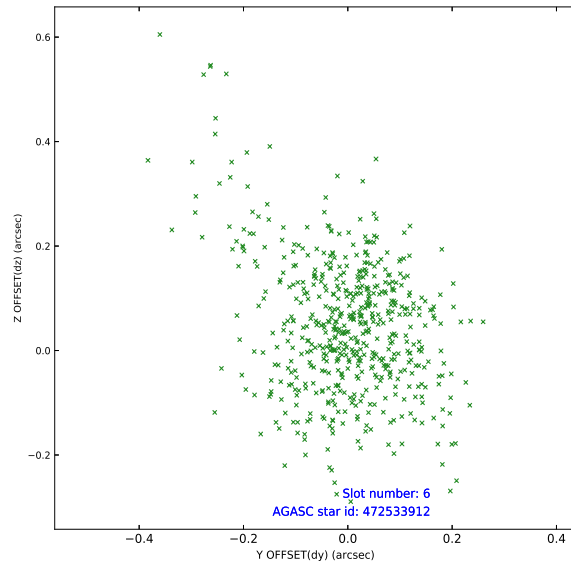
2.4.2 Slot 4



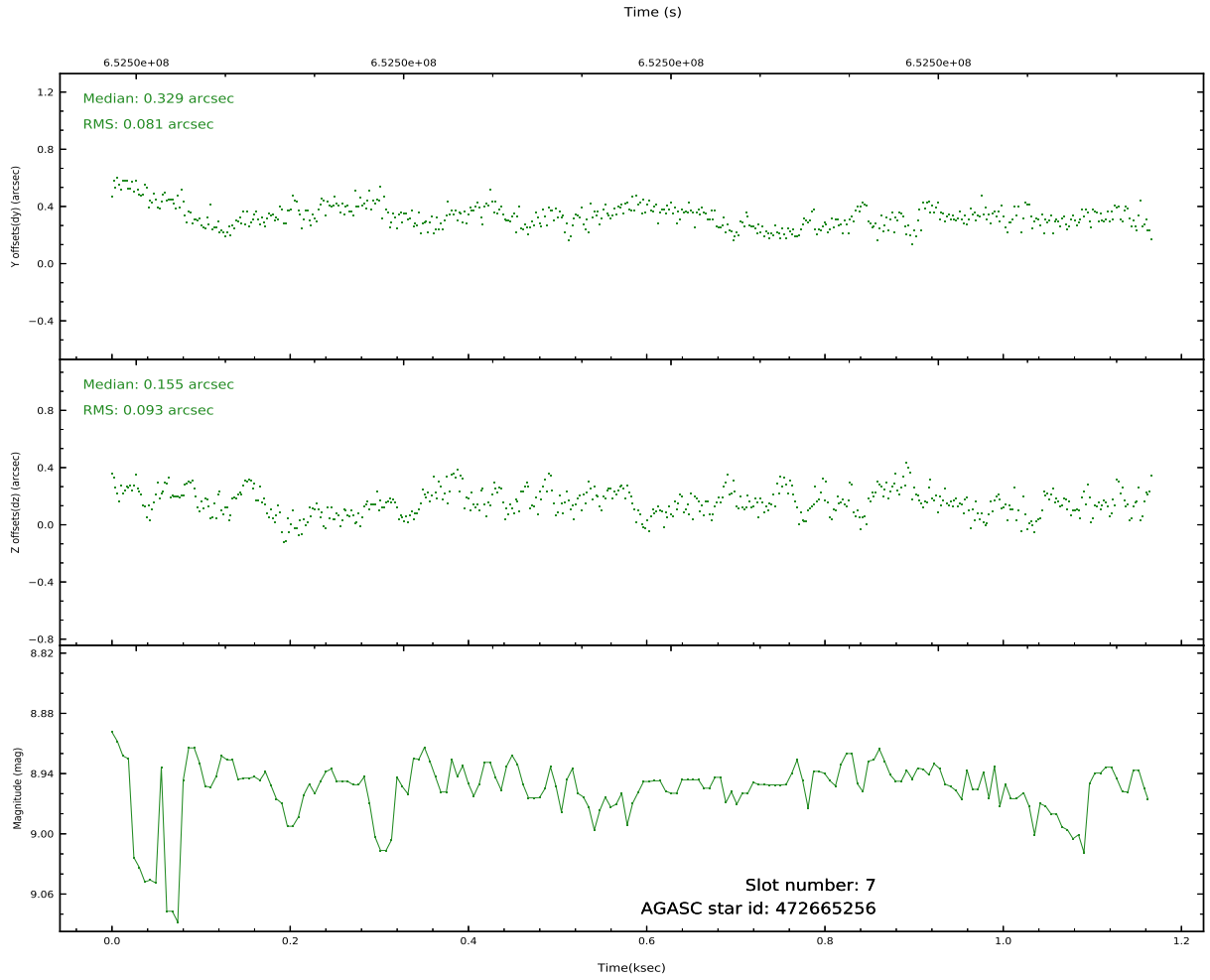
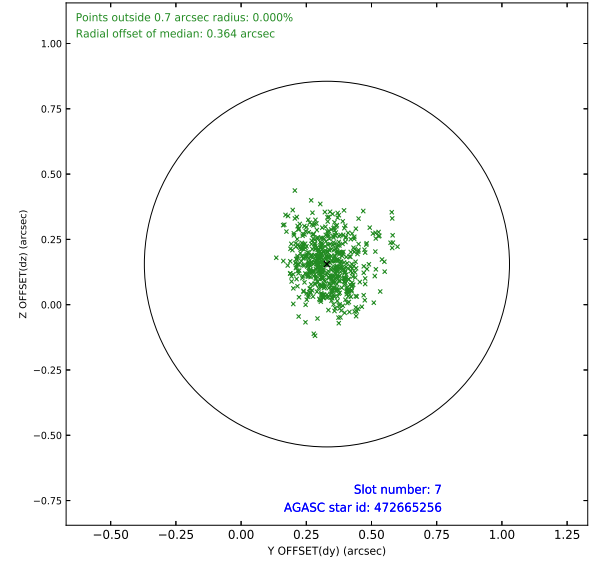
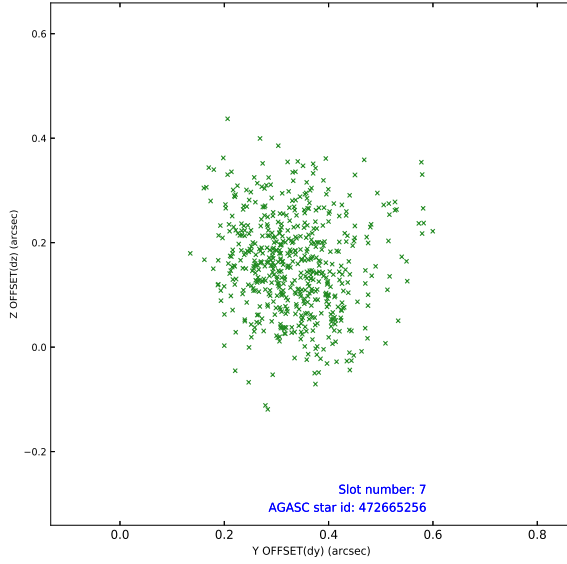
2.4.3 Slot 5



2.4.4 Slot 6

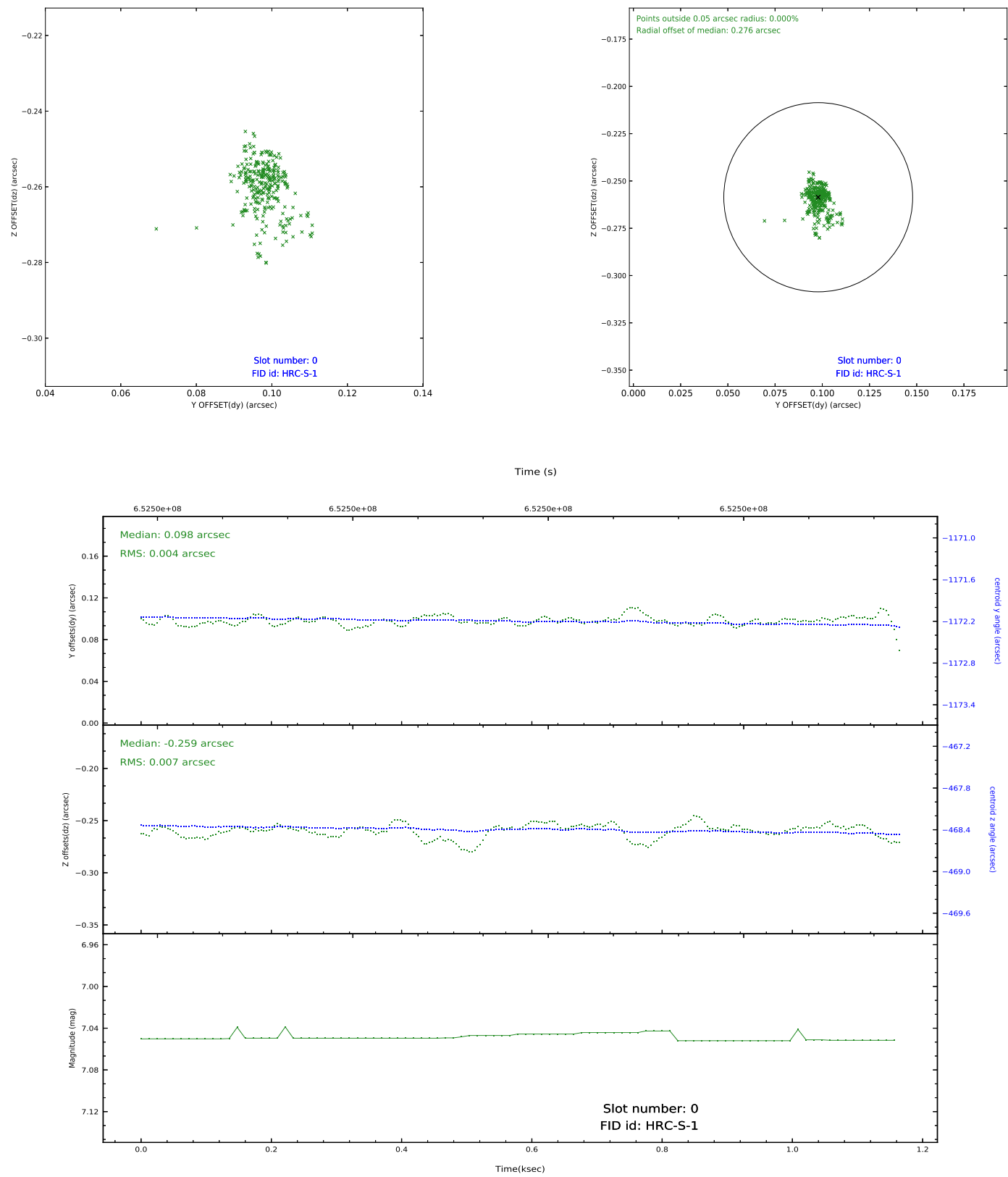


2.4.5 Slot 7

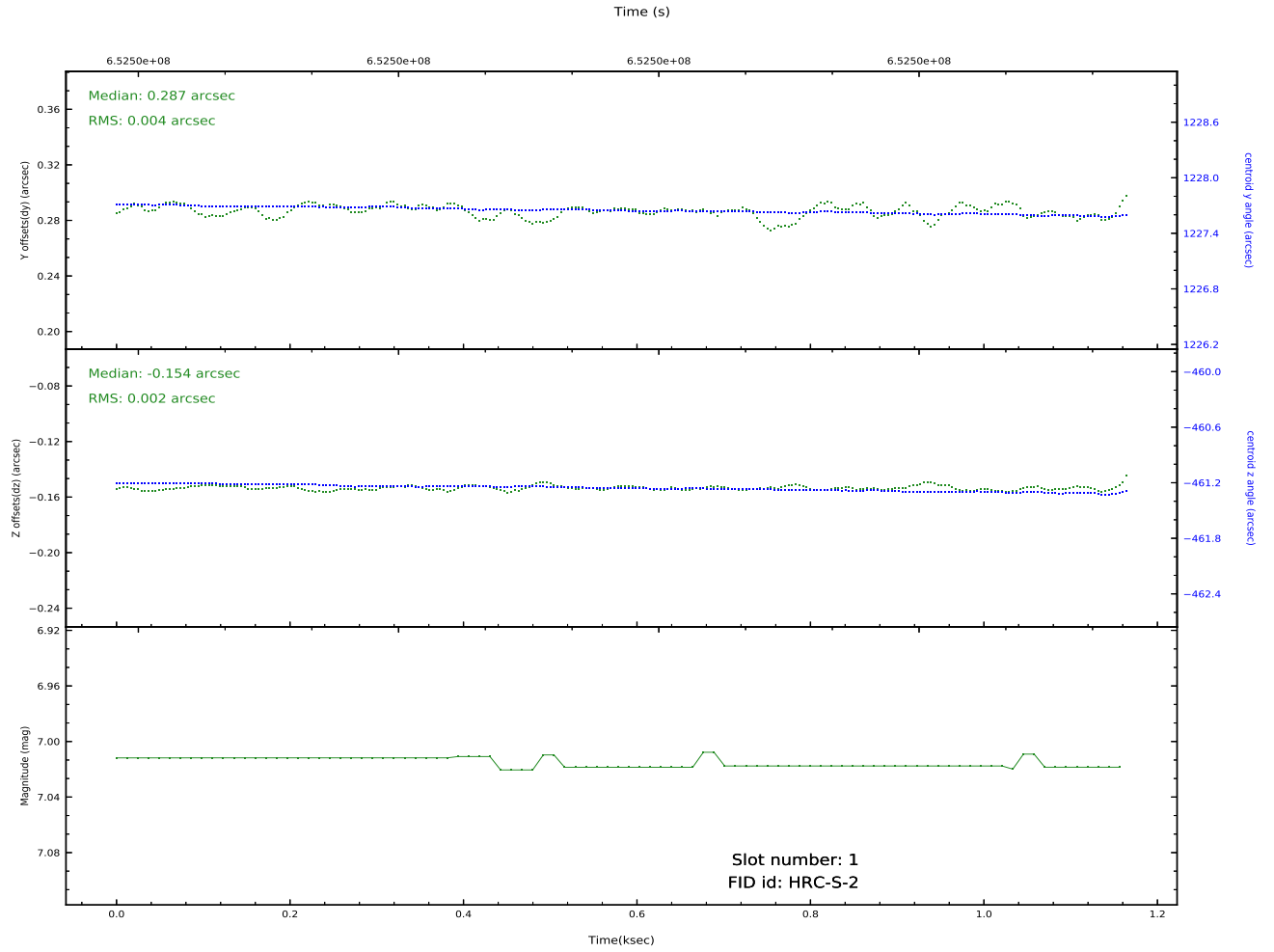
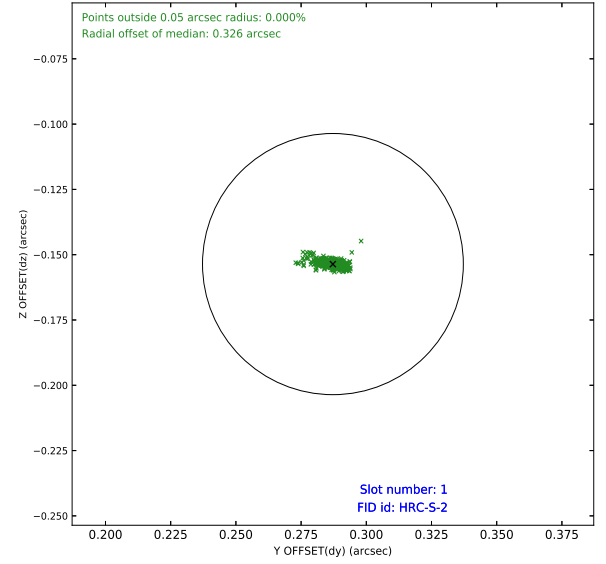
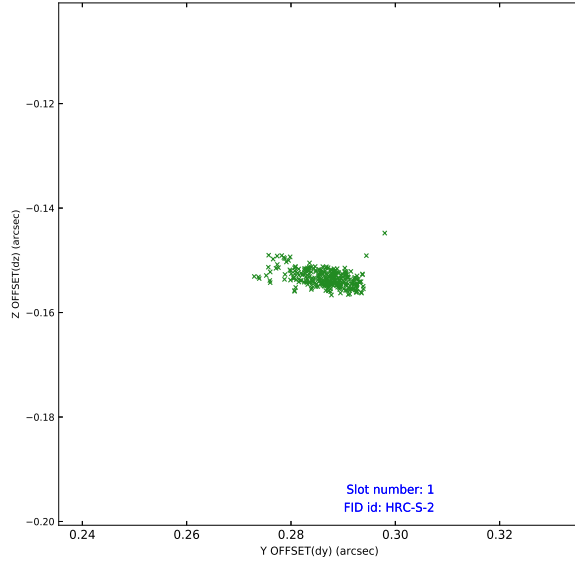


2.5 FID Slots

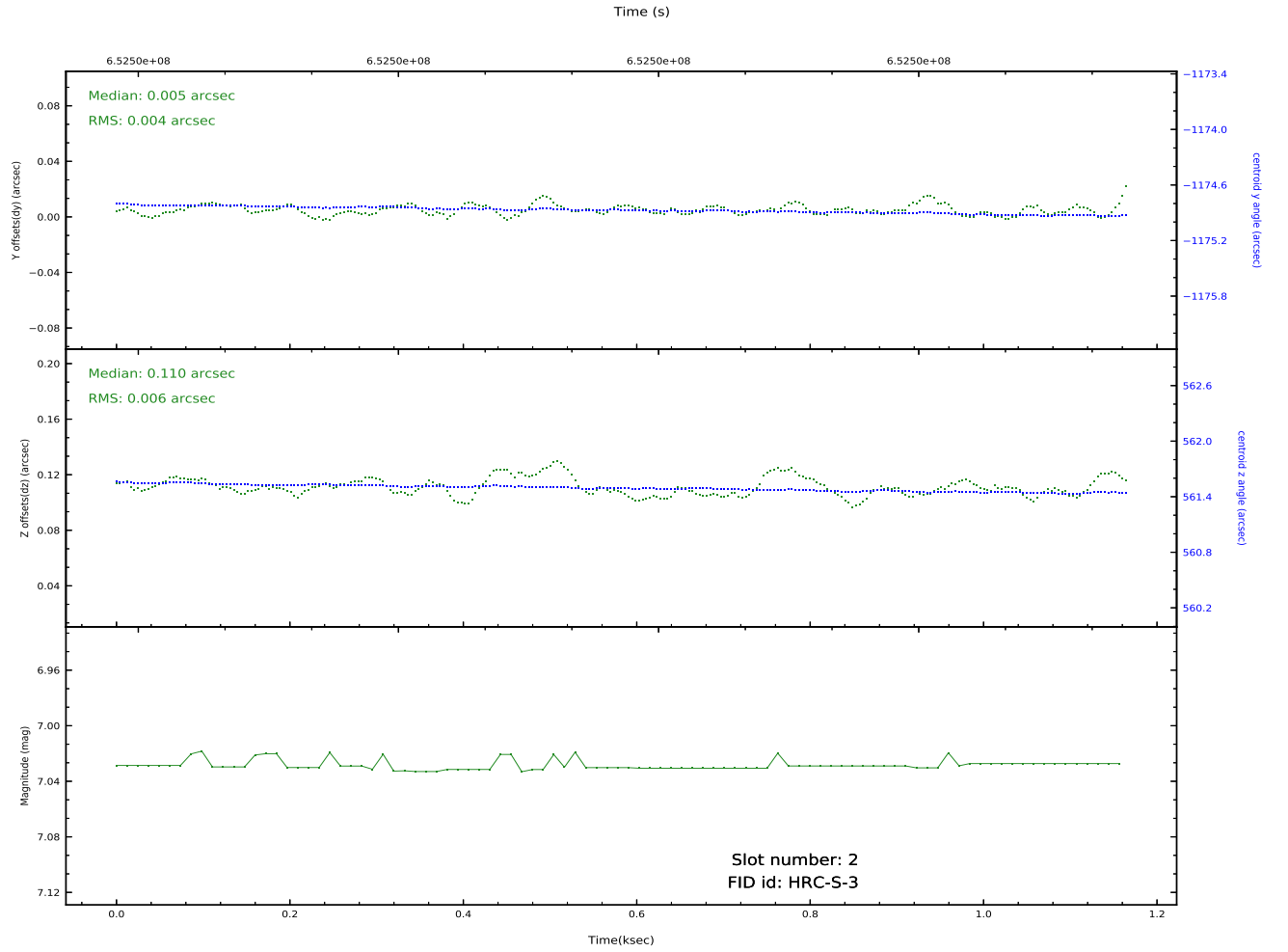
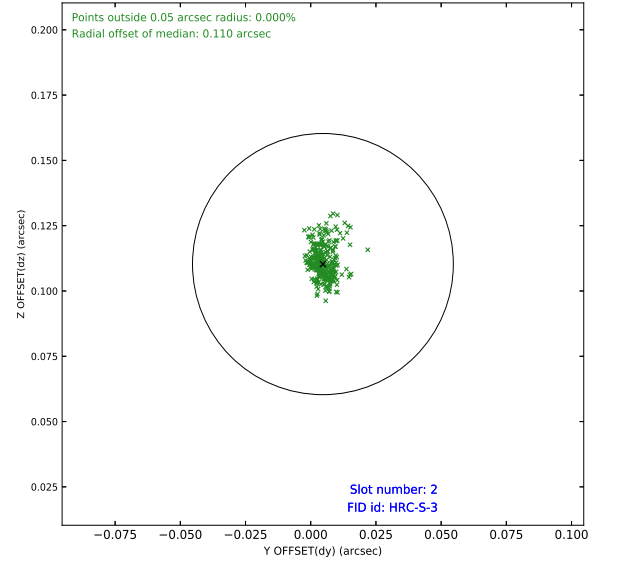
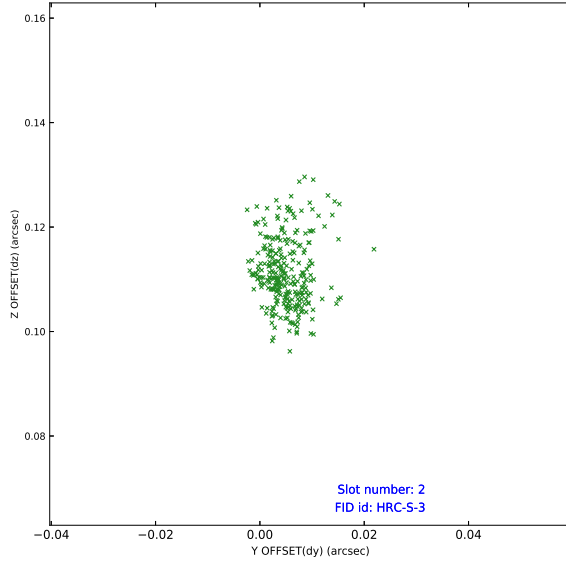
2.5.1 Slot 0



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	1.1677313194275

A.2 Comments