

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6022 - L2 Version 4
Chandra X-Ray Center

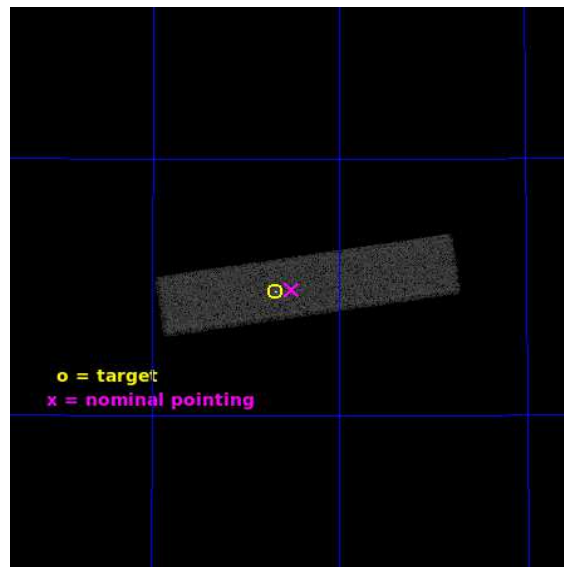
L2 Processing Date : Oct 6 2020

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1 Front

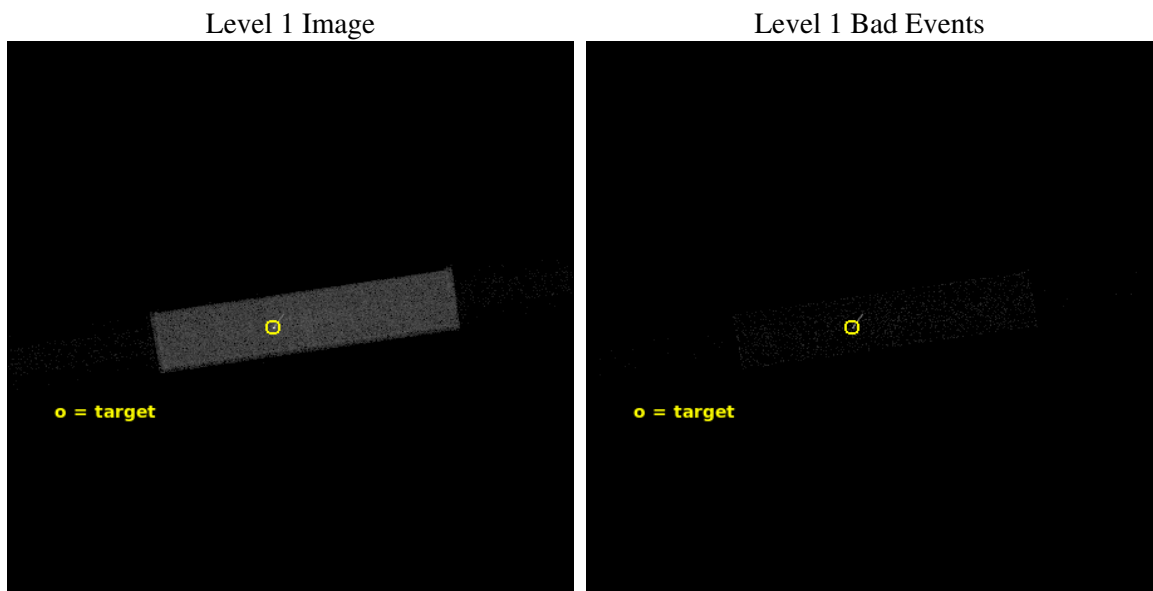
seq_num	290514	Sequence number
obs_id	6022	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12627988795	Nominal RA [deg]
dec_nom	45.745529651496	Nominal Dec [deg]
roll_nom	351.19403734695	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1151.3313021064	[s]
livetime	1144.3766411753	Ontime multiplied by DTCOR
l2events	48445	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	10.9.1	Processing system revision	ontime	1151.3313021064	[s]
caldbver	4.9.2	 	l1events	79244	Number of level 1 events
date	2020-10-06T16:04:39	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

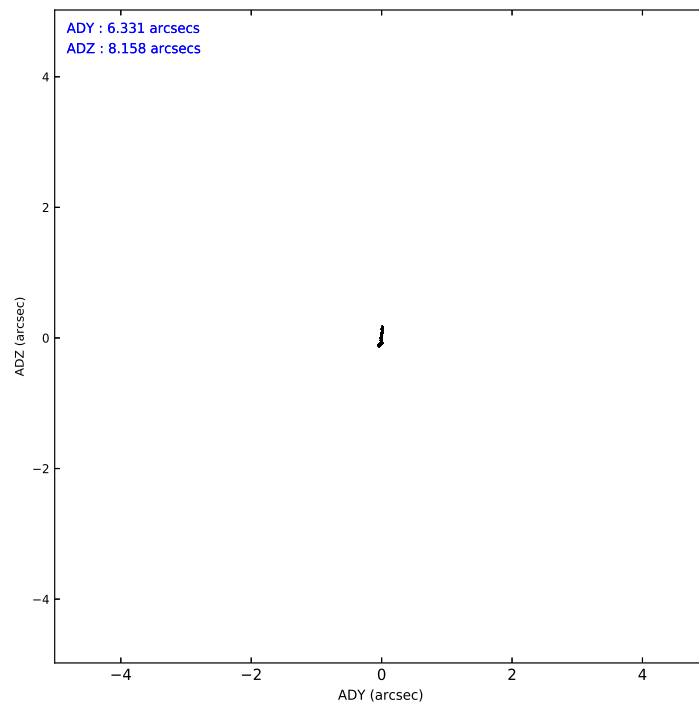
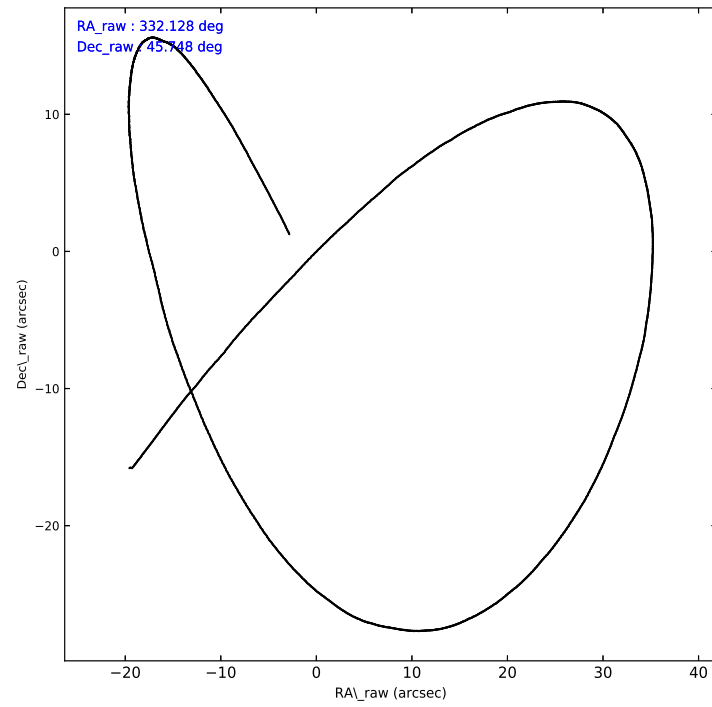
Level 1 Events

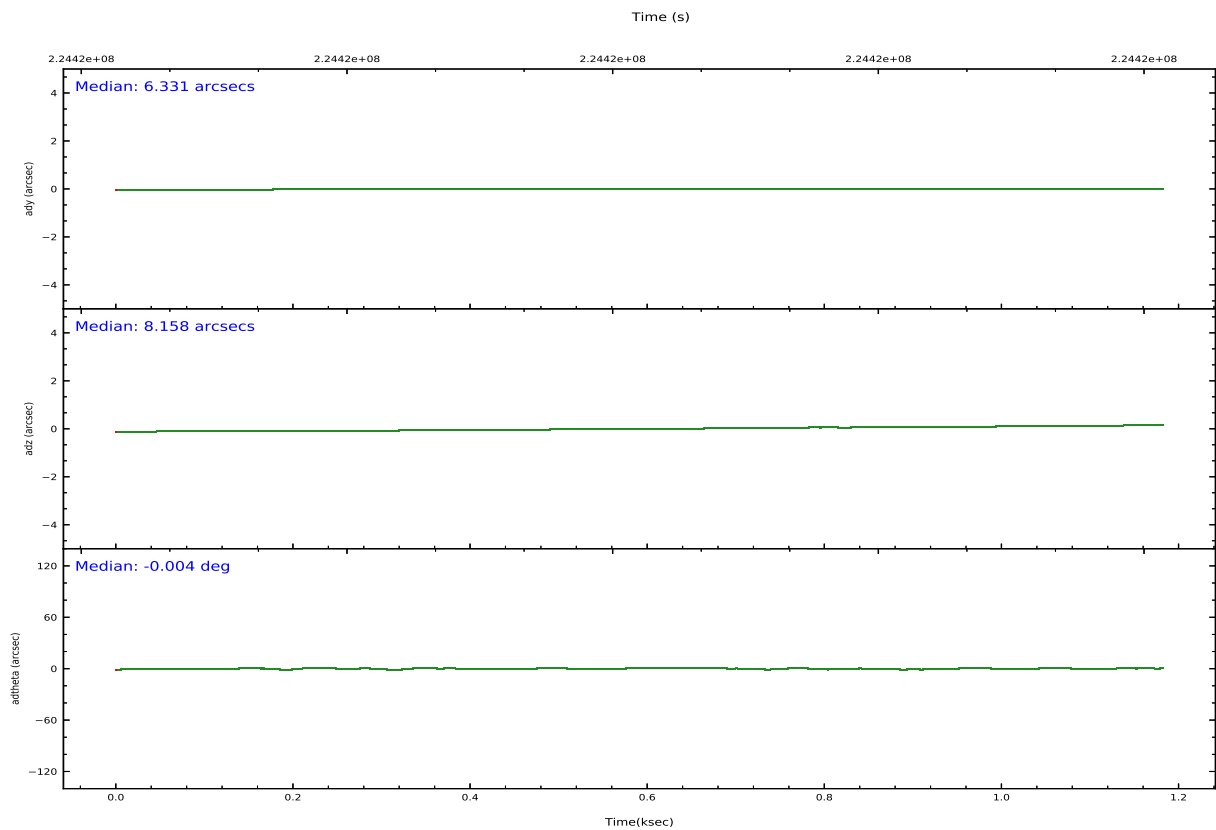
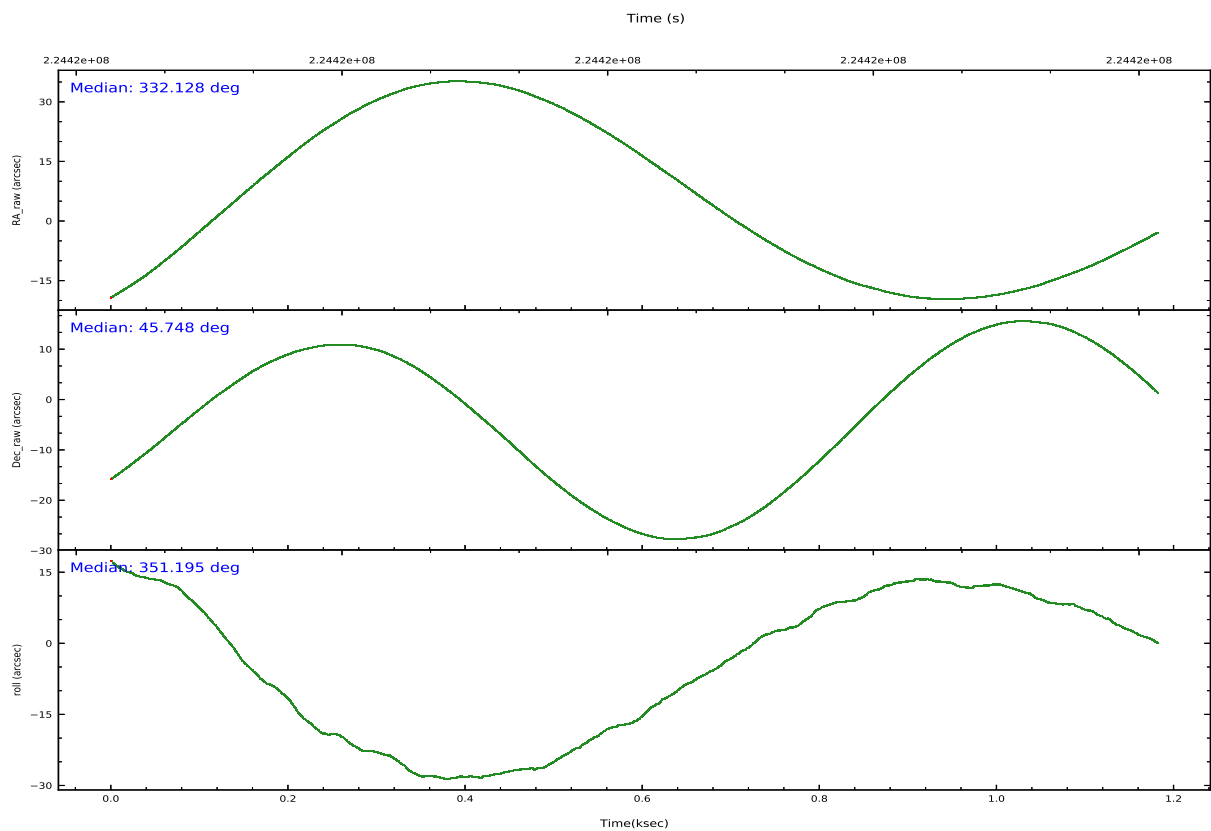
	segment 1	segment 2	segment 3
level 1 events	686	77909	649
rejected events	686	17884	649
rejected %	100%	22%	100%

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	332.091991	332.12627988795			
[deg] Pointing Dec	45.734956	45.745529651496			
[deg] Pointing Roll	351.156514	351.19403734695			
[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)	224423723.184000	224423346.65744			
Observation start date	2005-02-10T11:54:19	2005-02-10T11:49:06			
[s] Observation end time (MET)	224424723.184000	224424856.48251			
Observation end date	2005-02-10T12:10:59	2005-02-10T12:14:16			

2.3 Aspect



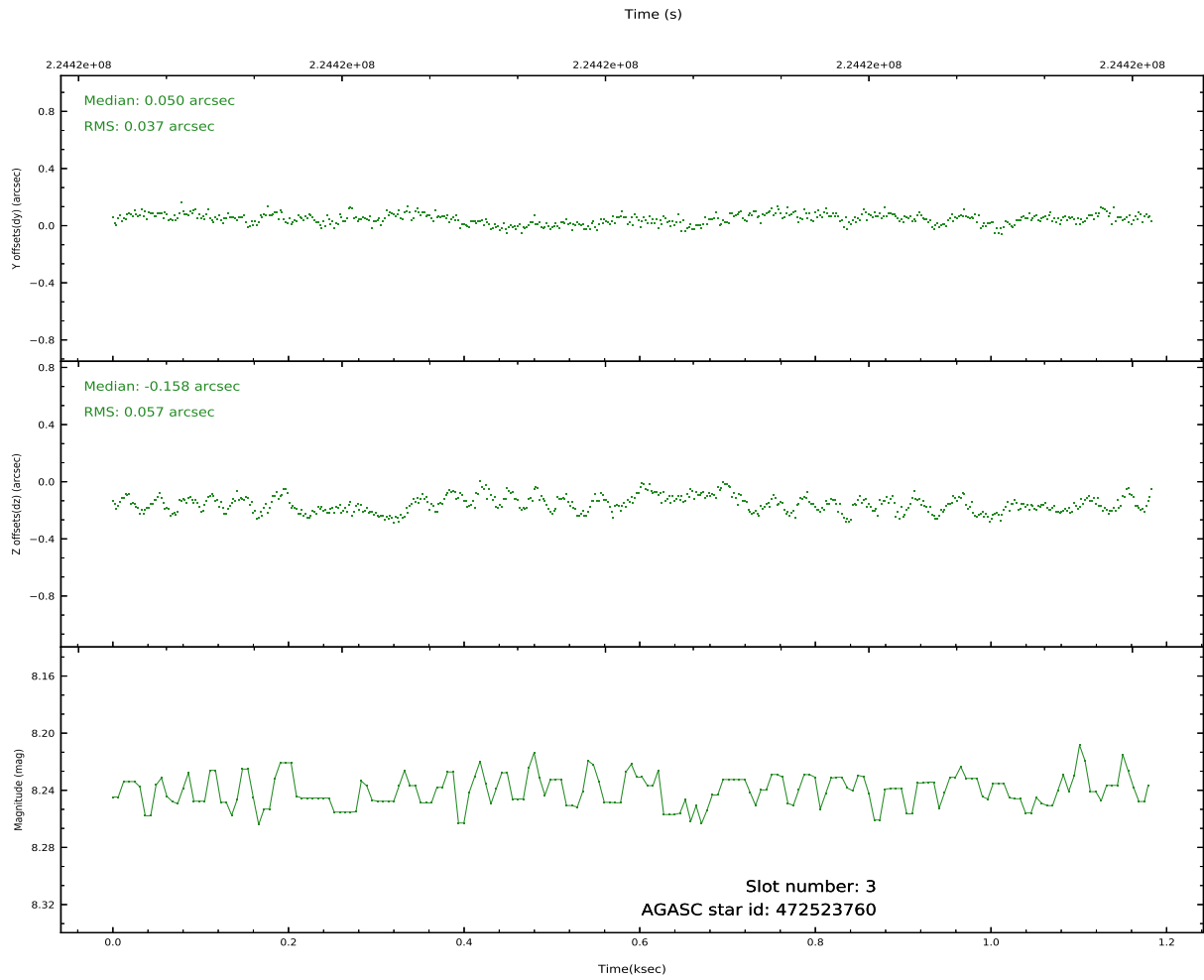
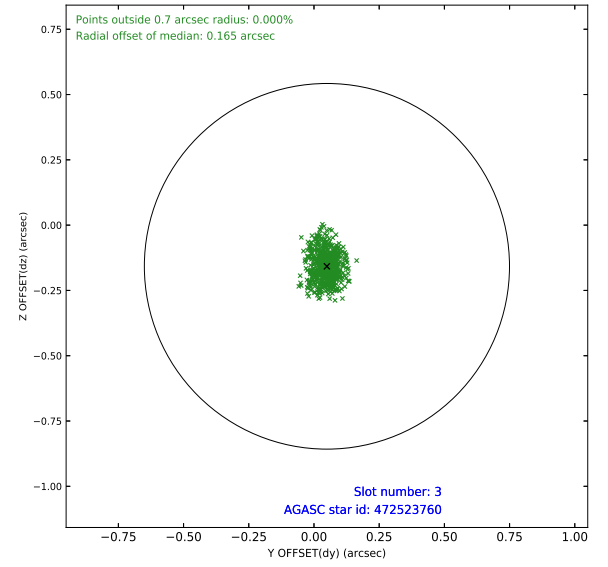
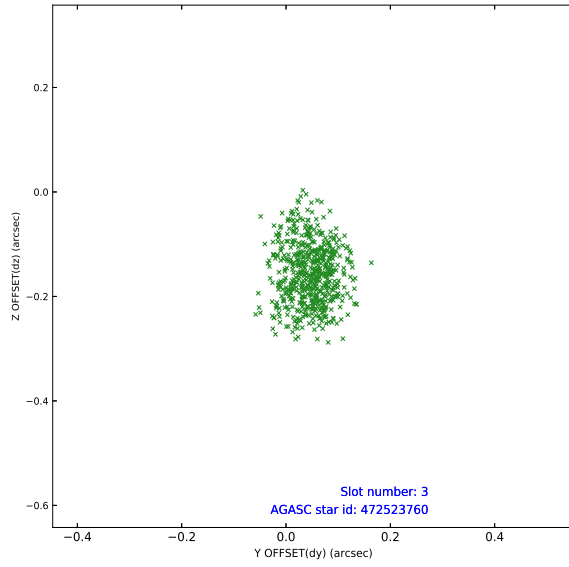


Slot Statistics

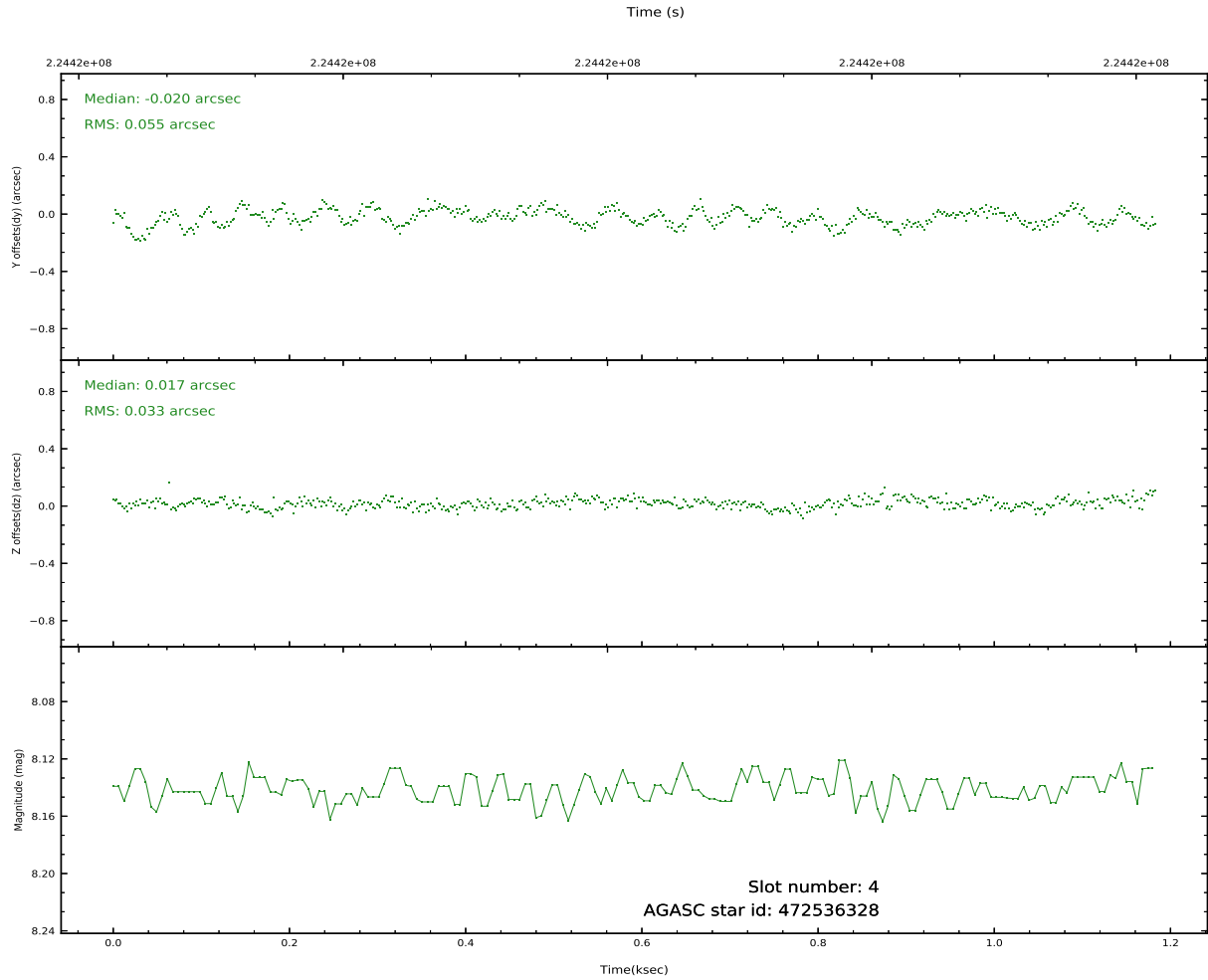
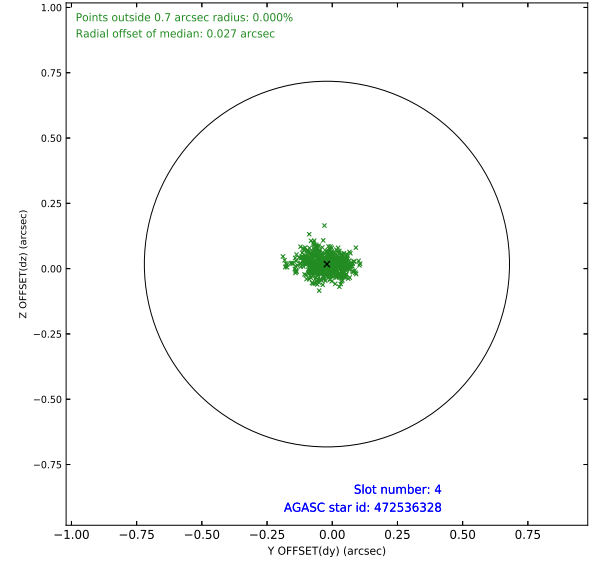
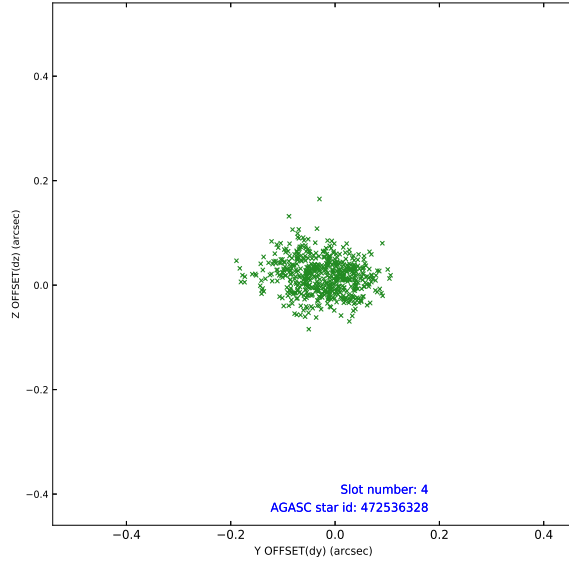
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	289	1.000	0.084	-0.140	0.007	0.012	0.000000	0.000000	-1160.50	-456
1	FID		HRC-S-2	7.04	289	1.000	0.199	-0.110	0.006	0.010	0.000000	0.000000	1235.28	-450
2	FID		HRC-S-3	7.05	289	1.000	0.107	-0.053	0.007	0.015	0.000000	0.000000	-1158.94	571
3	GUIDE	used	472523760	8.24	578	1.000	0.050	-0.158	0.074	0.118	331.645363	45.403260	-931.26	-1353
4	GUIDE	used	472536328	8.14	578	1.000	-0.020	0.017	0.068	0.110	331.496671	46.454831	-1859.27	2333
5	GUIDE	used	472665256	9.01	578	1.000	0.018	0.083	0.090	0.140	332.808125	46.195041	1505.04	1919
6	GUIDE	used	472537064	8.95	578	1.000	-0.018	0.184	0.095	0.149	331.323423	46.483499	-2295.08	2378
7	GUIDE	used	472527720	6.99	577	1.000	-0.033	-0.124	0.060	0.099	331.460205	45.112509	-1245.24	-2454

2.4 Star Slots

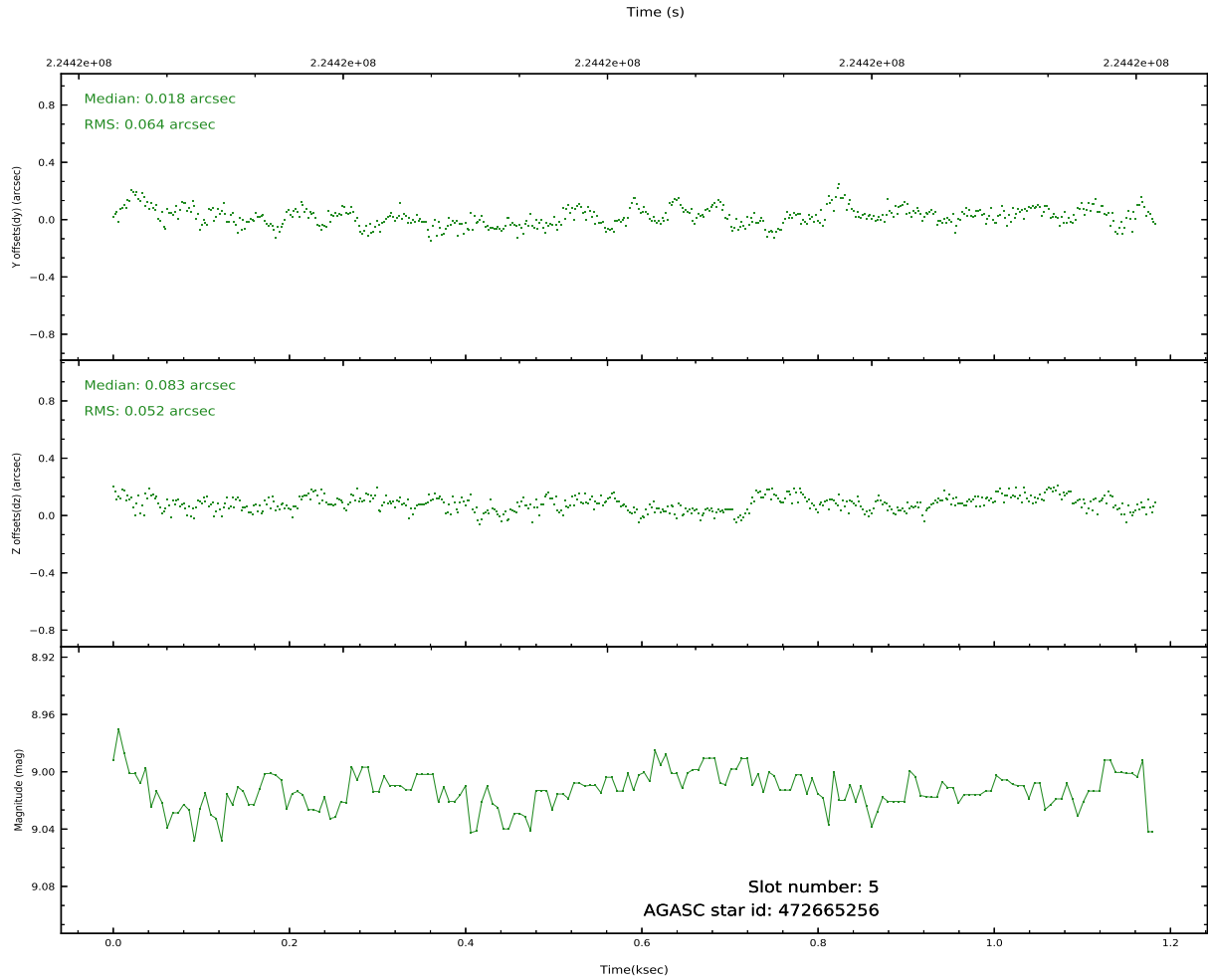
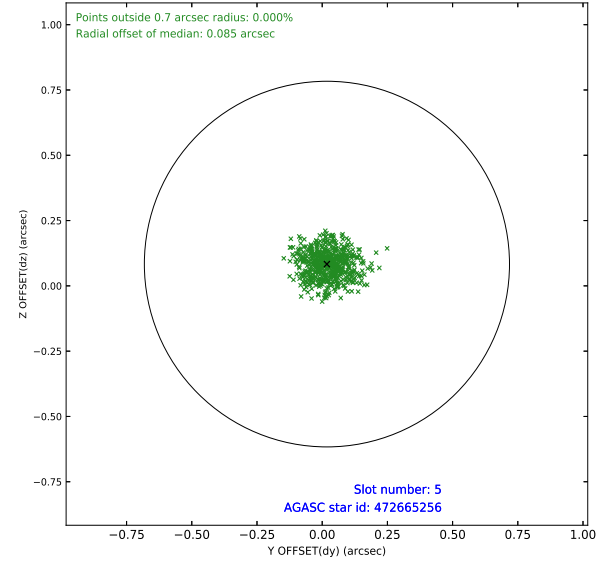
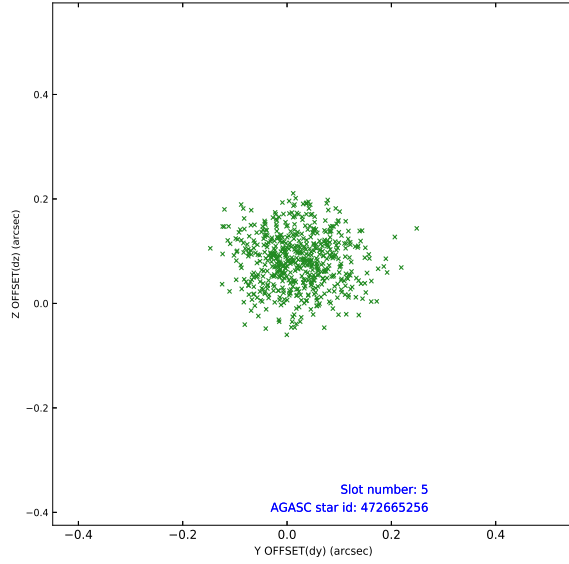
2.4.1 Slot 3



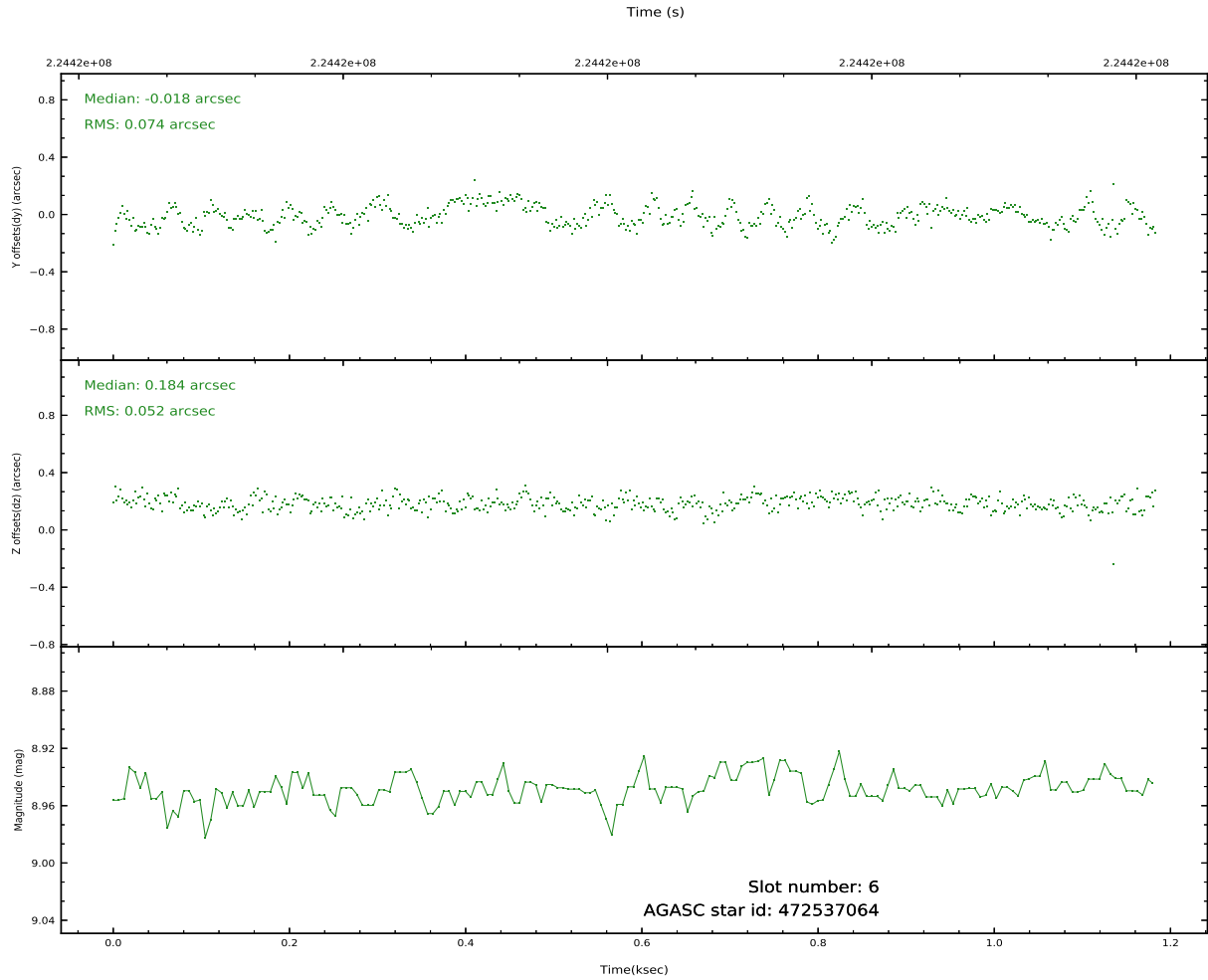
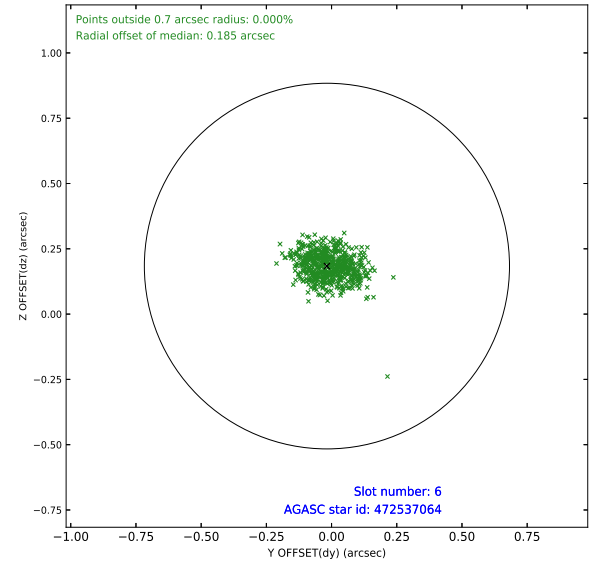
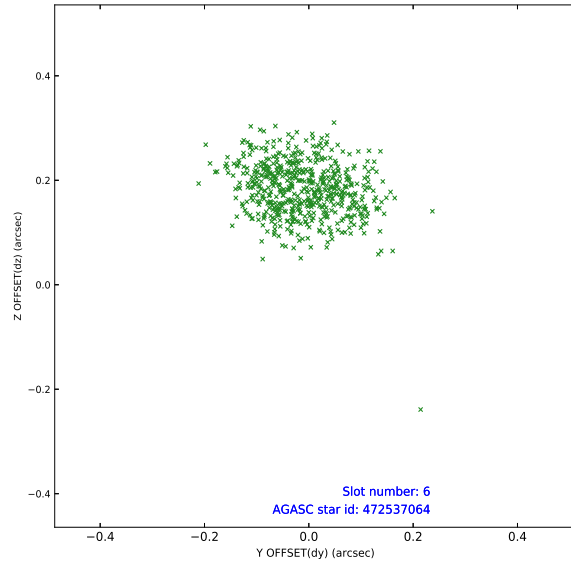
2.4.2 Slot 4



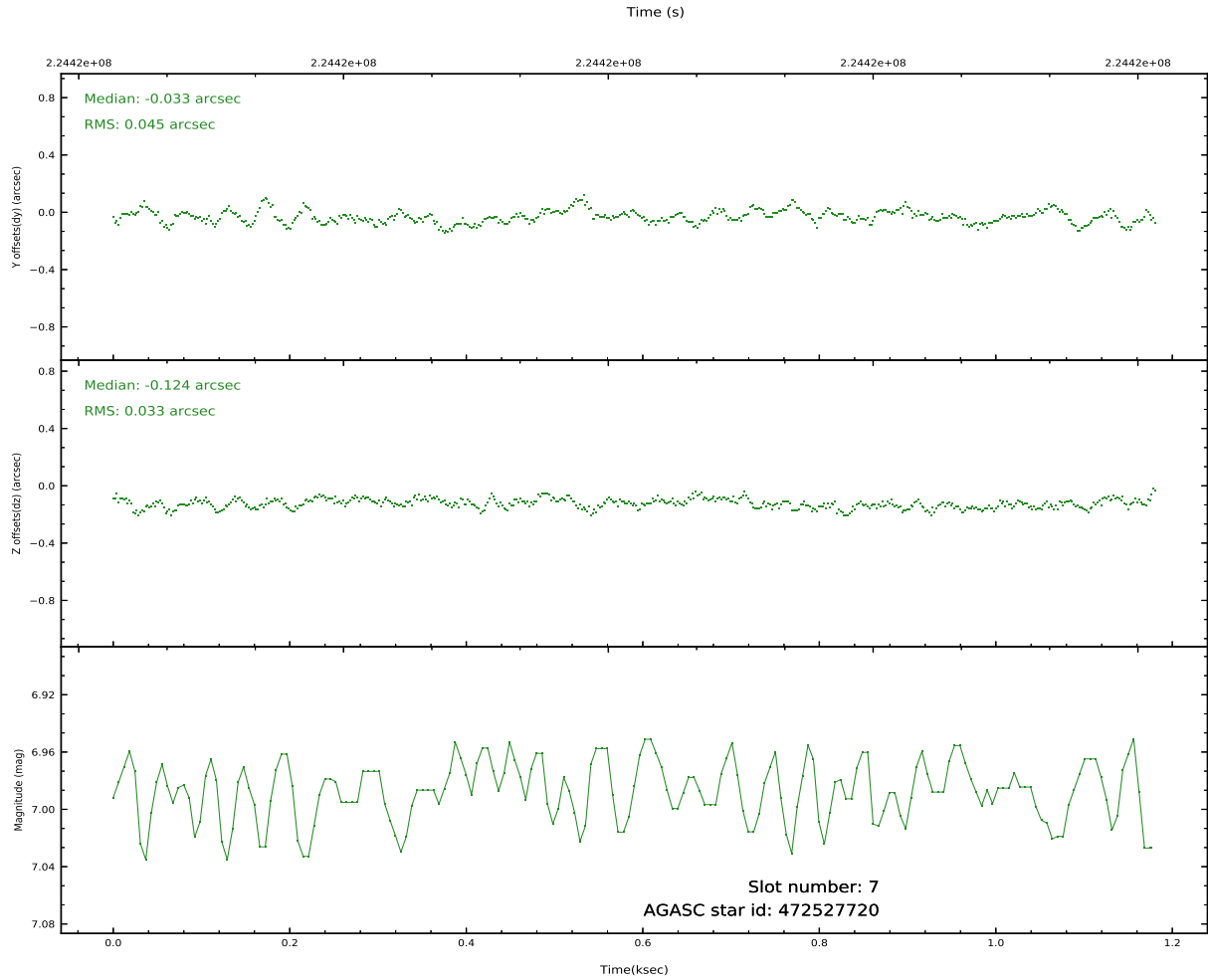
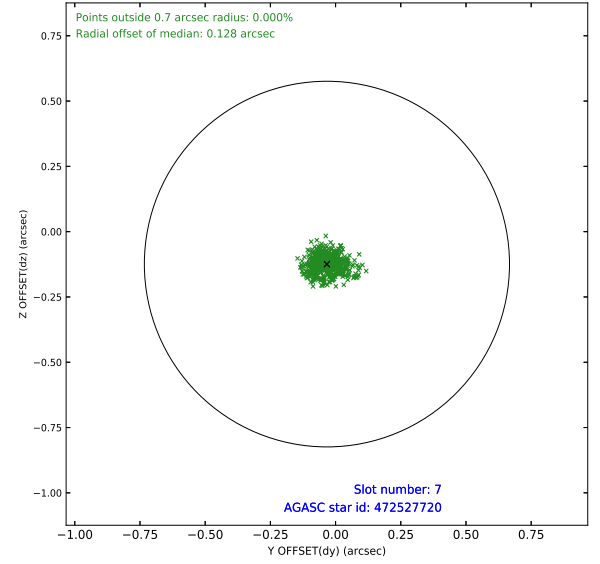
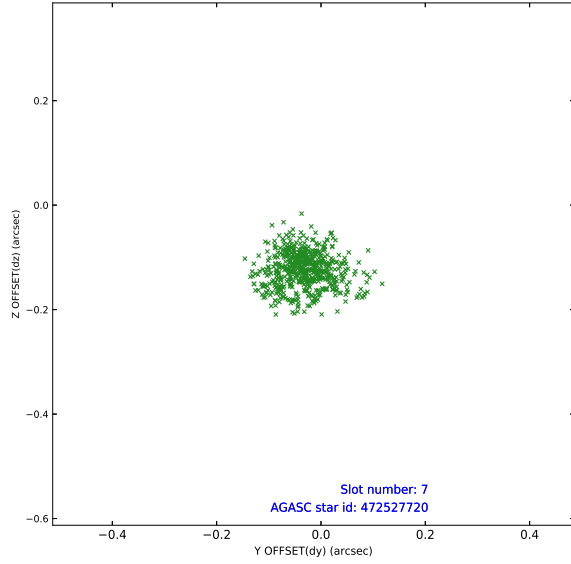
2.4.3 Slot 5



2.4.4 Slot 6

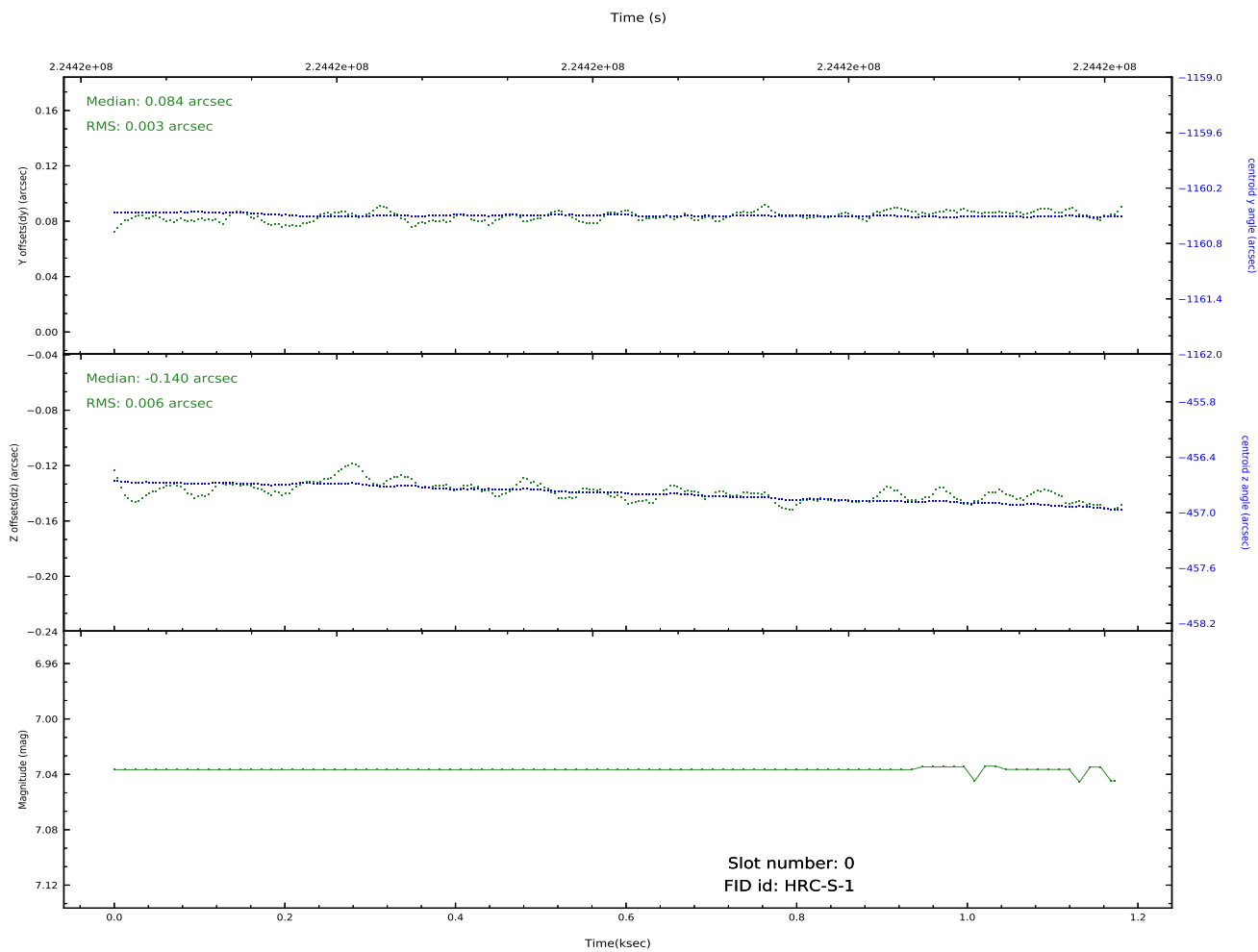
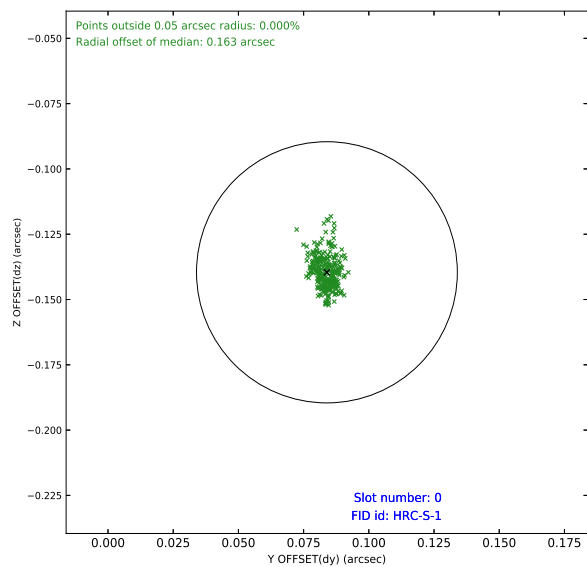
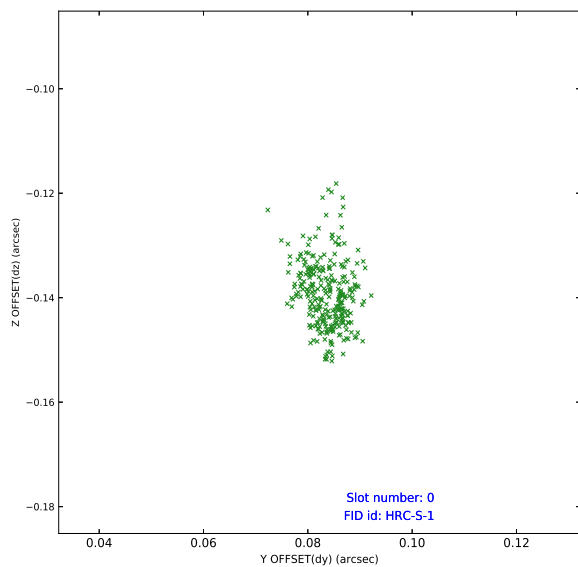


2.4.5 Slot 7

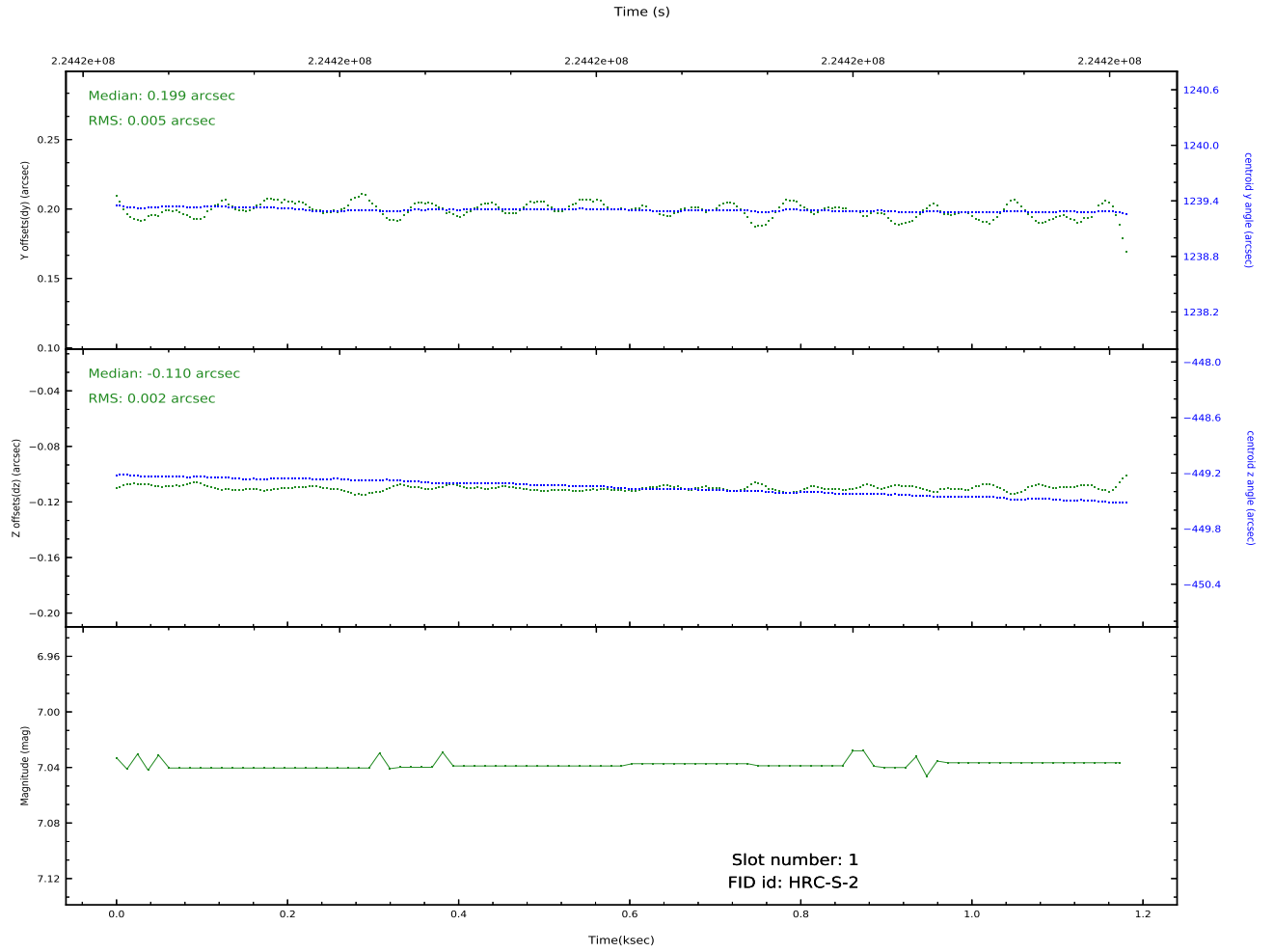
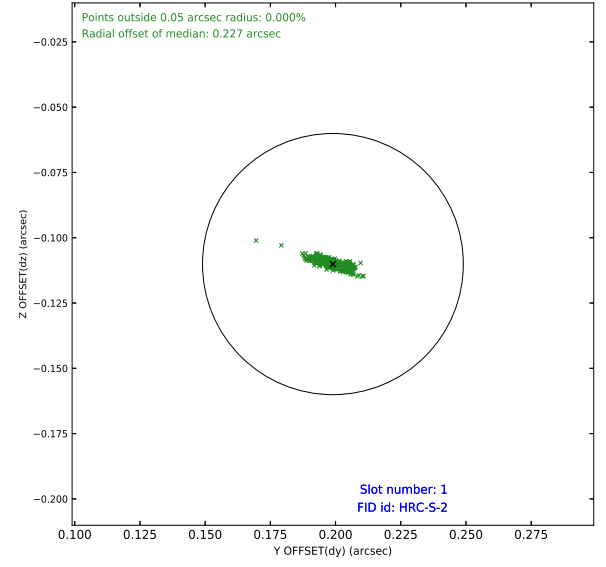
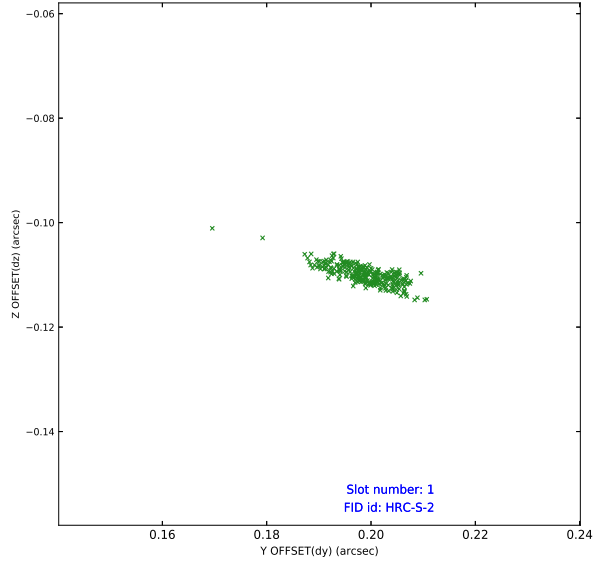


2.5 FID Slots

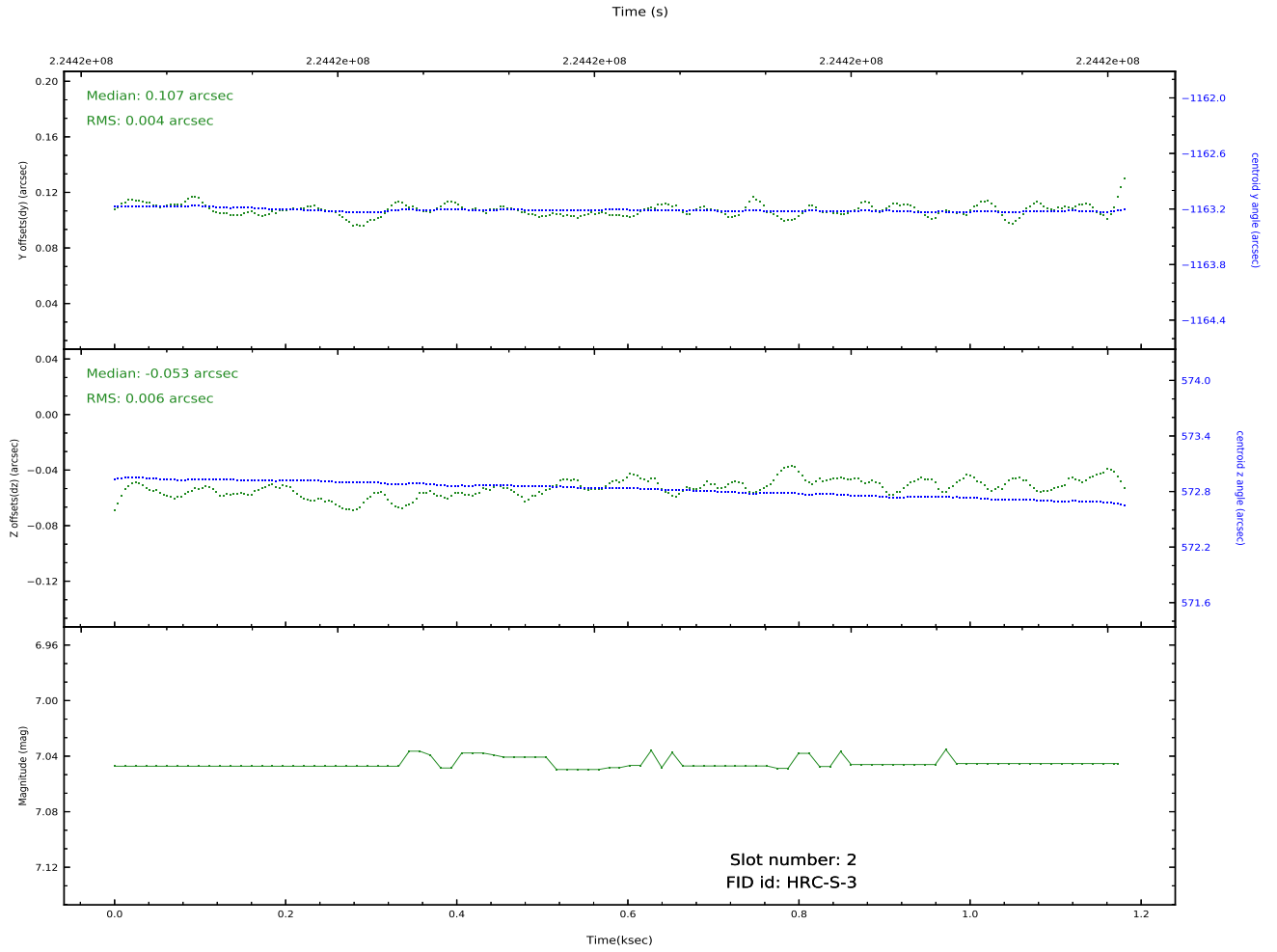
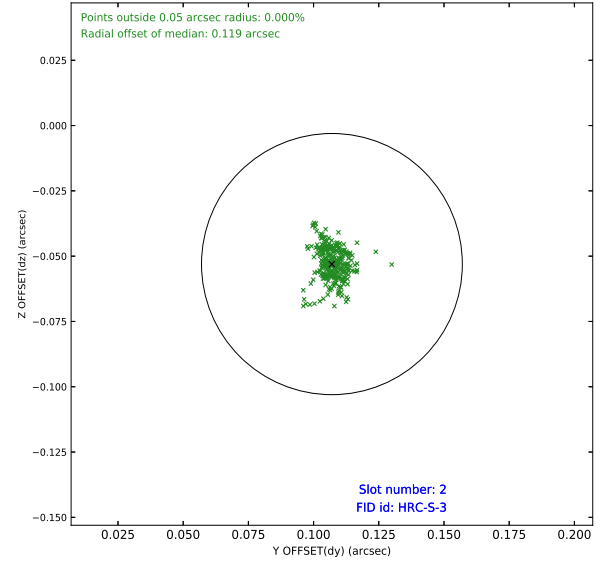
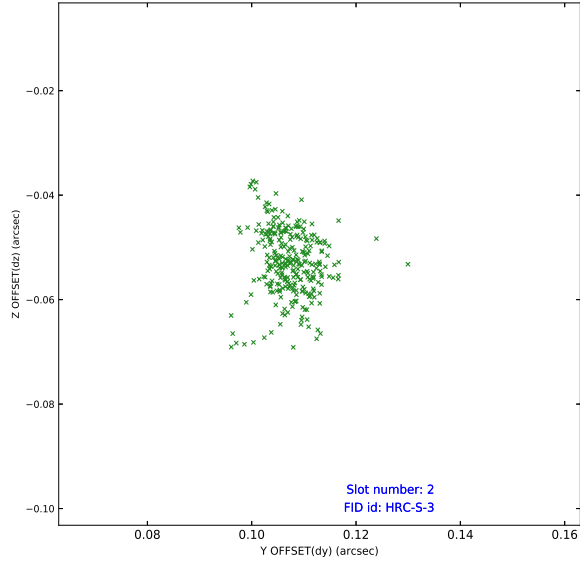
2.5.1 Slot 0



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)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151331

A.2 Comments