

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5052 - L2 Version 4
Chandra X-Ray Center

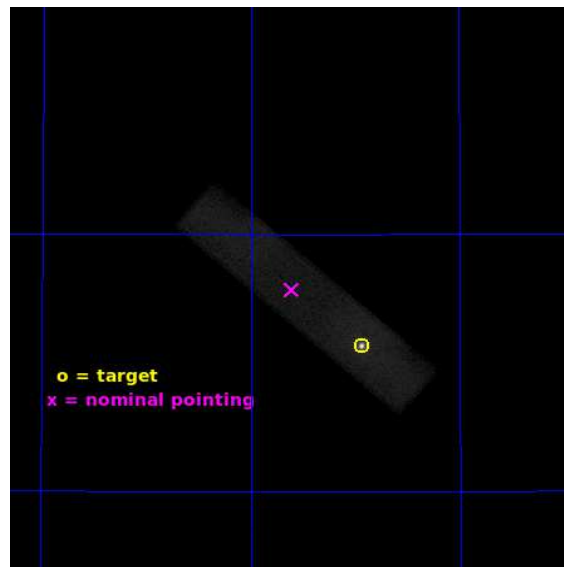
L2 Processing Date : Sep 22 2020

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1 Front

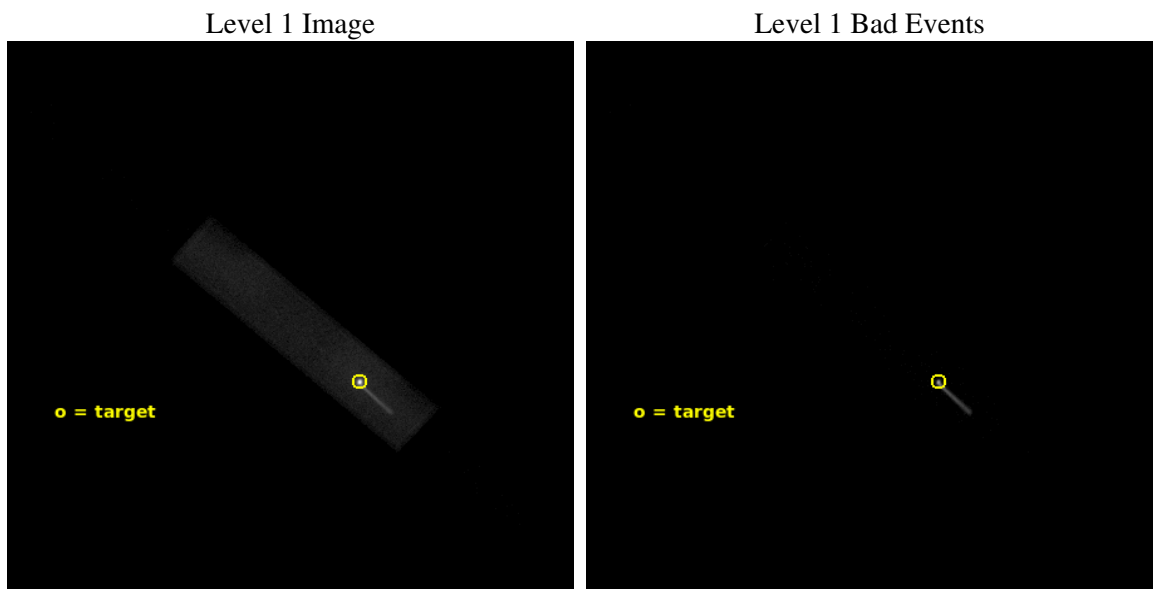
seq_num	290325	Sequence number
obs_id	5052	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.40146827082	Nominal RA [deg]
dec_nom	38.892588808797	Nominal Dec [deg]
roll_nom	41.187447928969	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2142.5063436627	[s]
livetime	1375.5603691878	Ontime multiplied by DTCOR
l2events	379103	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	2142.5063436627	[s]
caldbver	4.9.2	 	l1events	462291	Number of level 1 events
date	2020-09-23T02:28:53	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

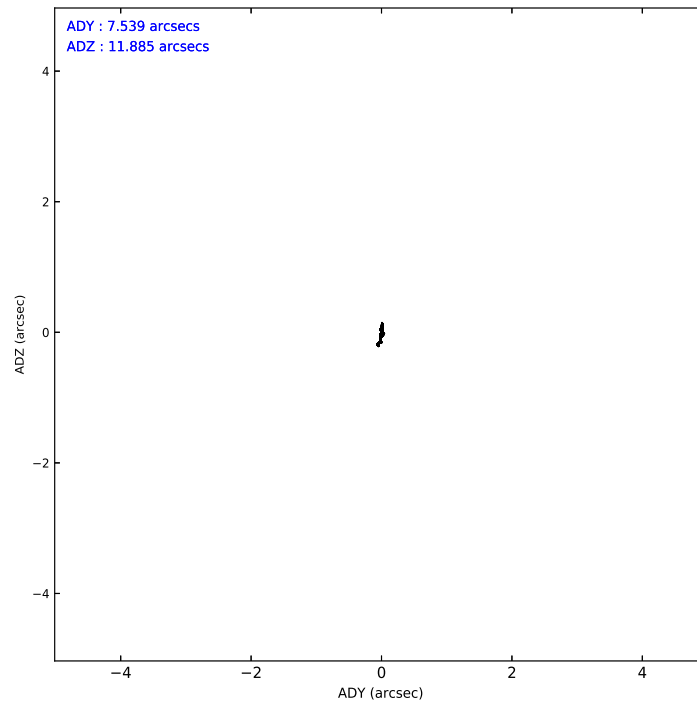
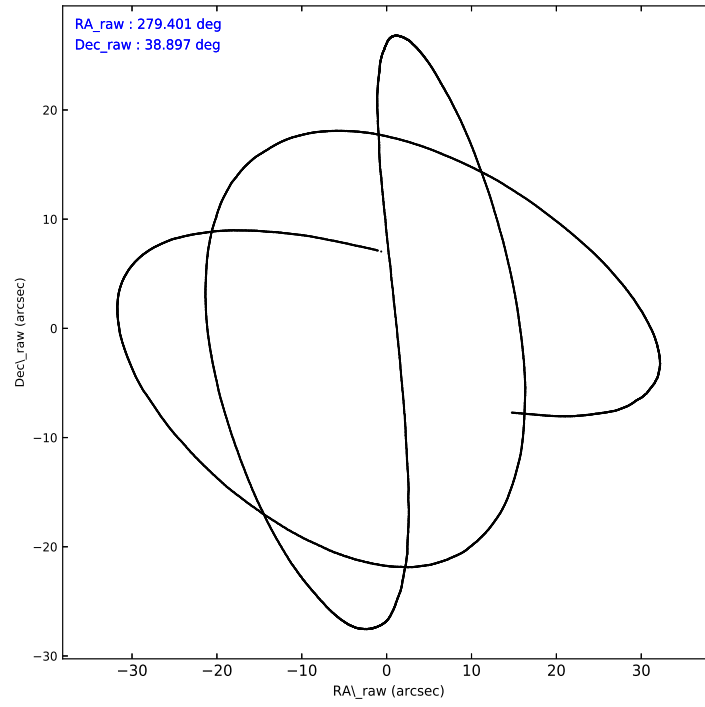
	segment 1	segment 2	segment 3
level 1 events	2226	458163	1902
rejected events	2226	63020	1902
rejected %	100%	13%	100%

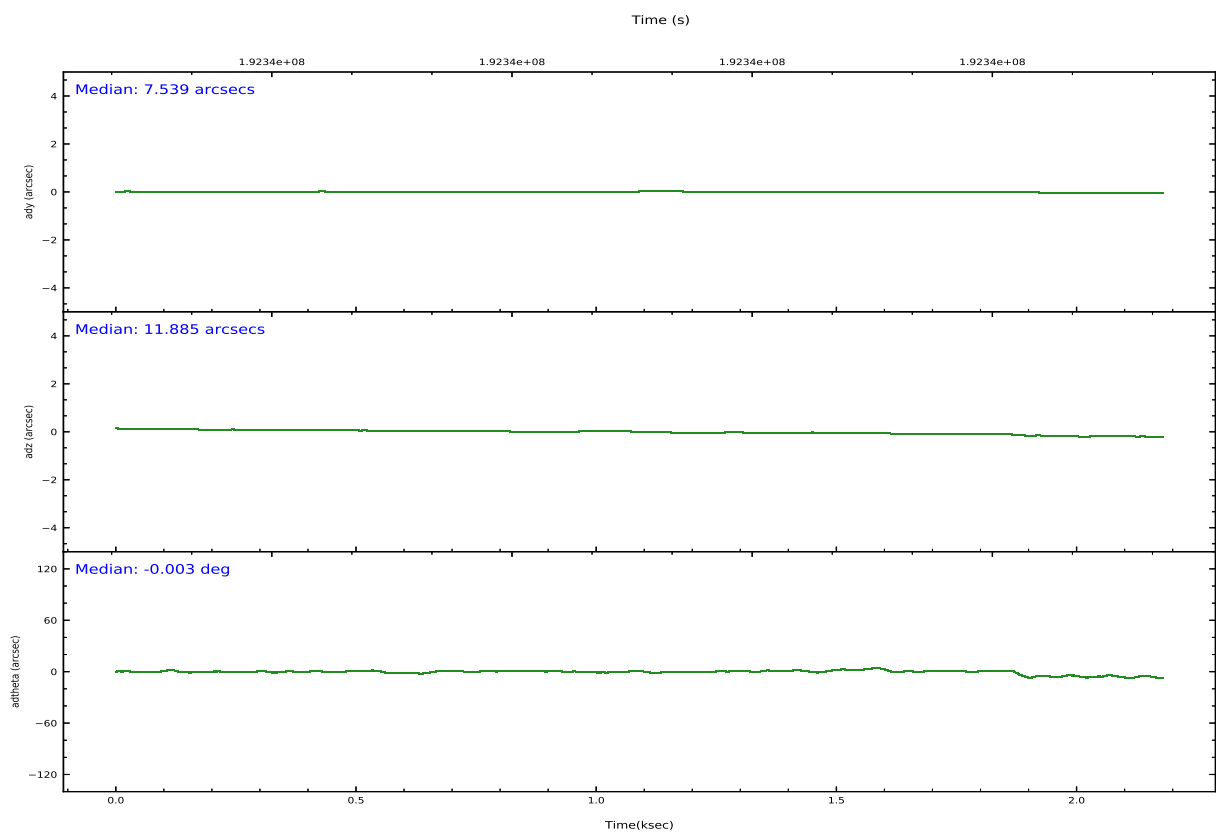
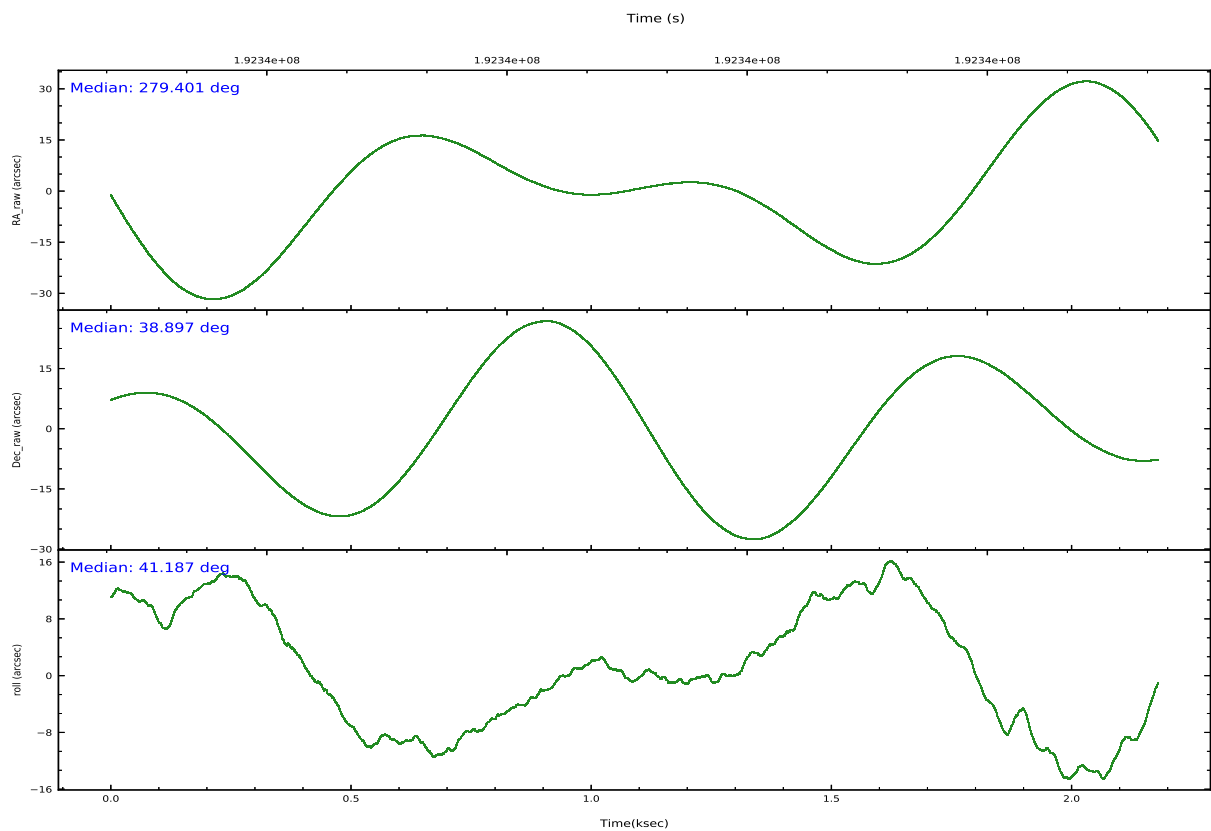
2.2 Compared Parameters

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	279.390592	279.40146827082
[deg] Pointing Dec	38.868986	38.892588808797
[deg] Pointing Roll	41.126934	41.187447928969
[s] Window start time (MET)	191980864.184000	191980864.184000
[s] Window stop time (MET)	197078464.184000	197078464.184000
[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)	192337856.184000	192337480.1553
Observation start date	2004-02-05T03:09:52	2004-02-05T03:04:40
[s] Observation end time (MET)	192339856.184000	192339990.38041
Observation end date	2004-02-05T03:43:12	2004-02-05T03:46:30

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

2.3 Aspect



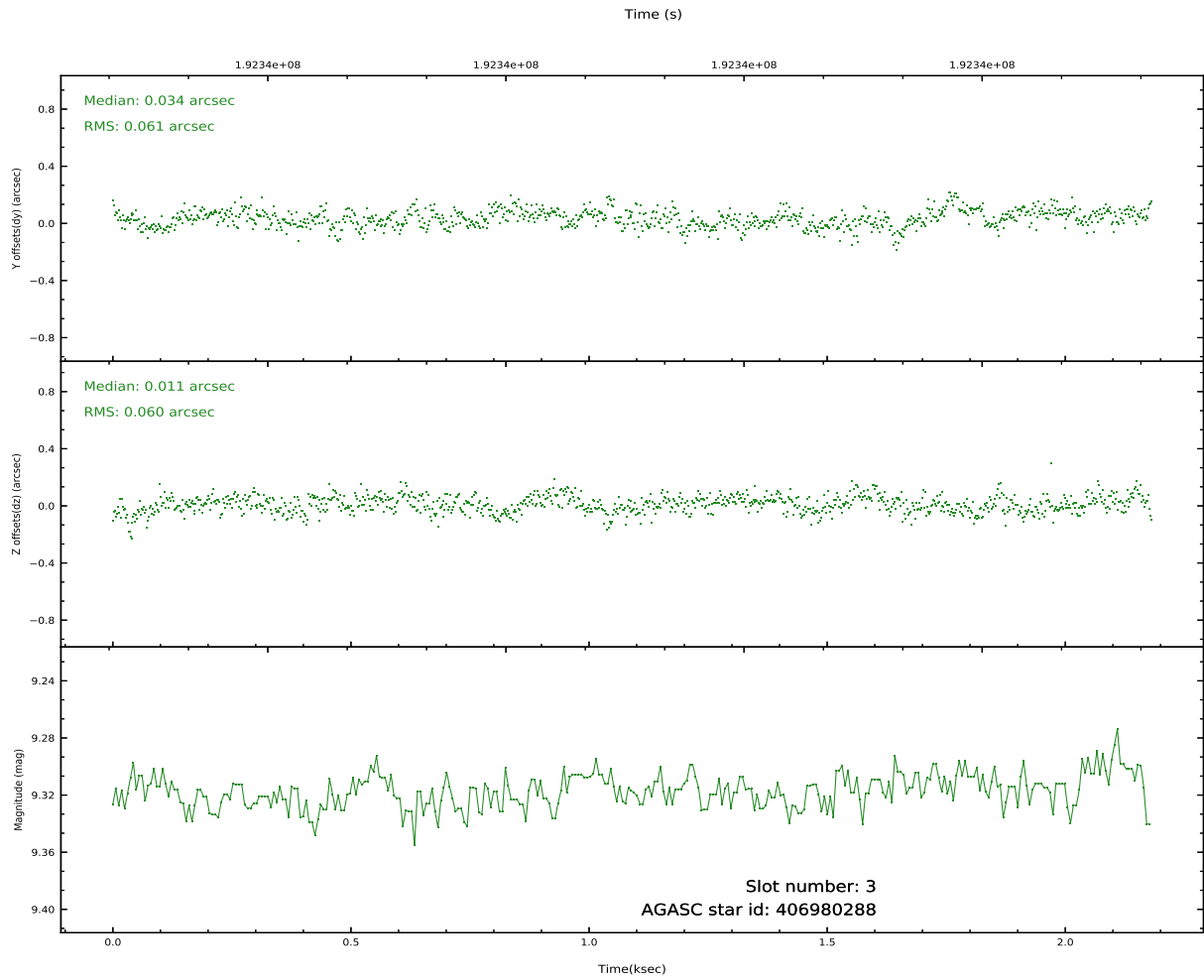
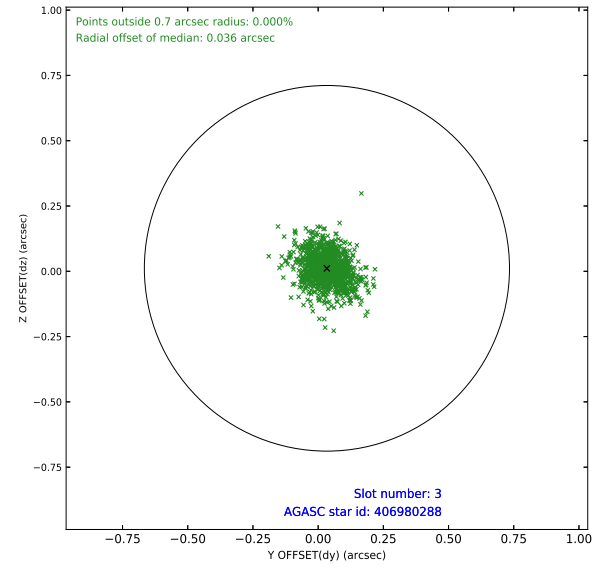
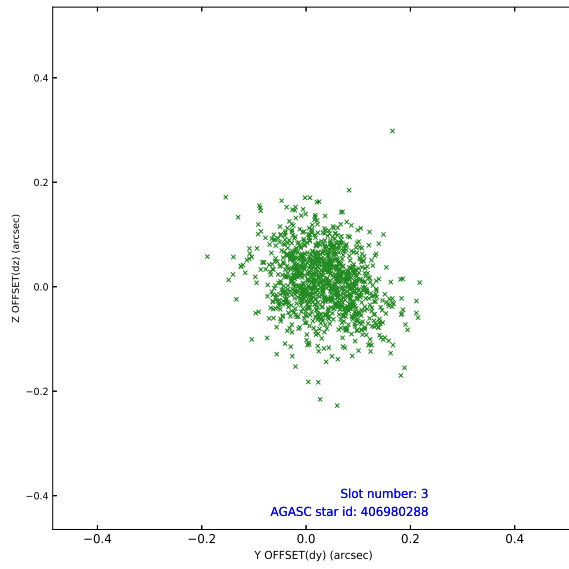


Slot Statistics

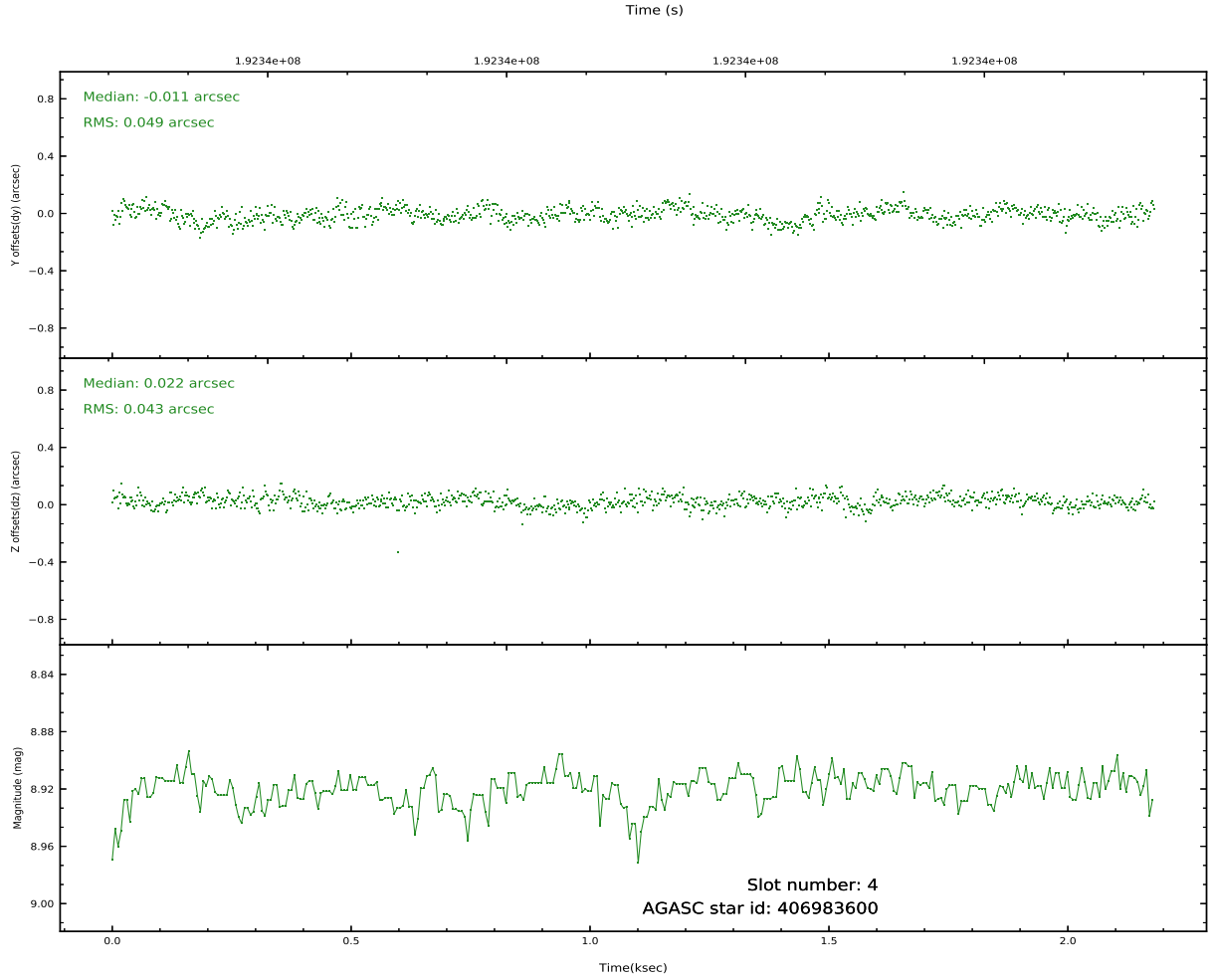
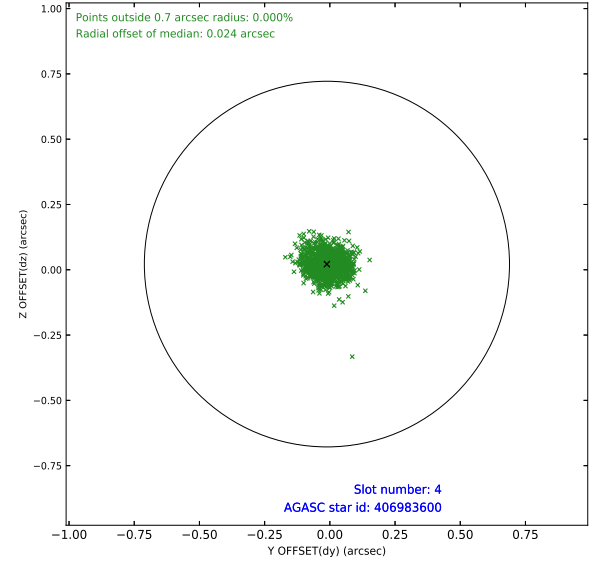
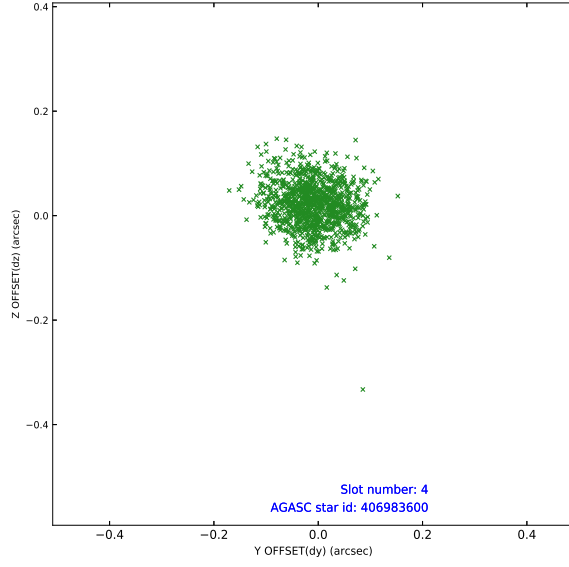
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-2	7.02	532	1.000	0.121	-0.091	0.012	0.082	0.000000	0.000000	1237.98	-453
1	FID		HRC-S-3	7.03	532	1.000	0.034	-0.104	0.007	0.029	0.000000	0.000000	-1162.17	568
2	FID		HRC-S-4	7.01	532	1.000	0.250	-0.100	0.012	0.086	0.000000	0.000000	1234.50	572
3	GUIDE	used	406980288	9.32	1065	1.000	0.034	0.011	0.087	0.153	278.903147	39.061646	-566.54	1421
4	GUIDE	used	406983600	8.92	1065	1.000	-0.011	0.022	0.069	0.108	279.940957	39.020708	1521.49	-596
5	GUIDE	used	406985120	7.42	1065	1.000	-0.059	-0.022	0.064	0.108	278.839732	38.894839	-1096.91	1088
6	GUIDE	used	406989616	8.23	1065	1.000	-0.012	-0.005	0.062	0.099	279.202881	38.520843	-1223.13	-595
7	GUIDE	used	407521232	8.64	1063	1.000	0.042	-0.005	0.068	0.115	279.628883	39.431715	1831.08	1090

2.4 Star Slots

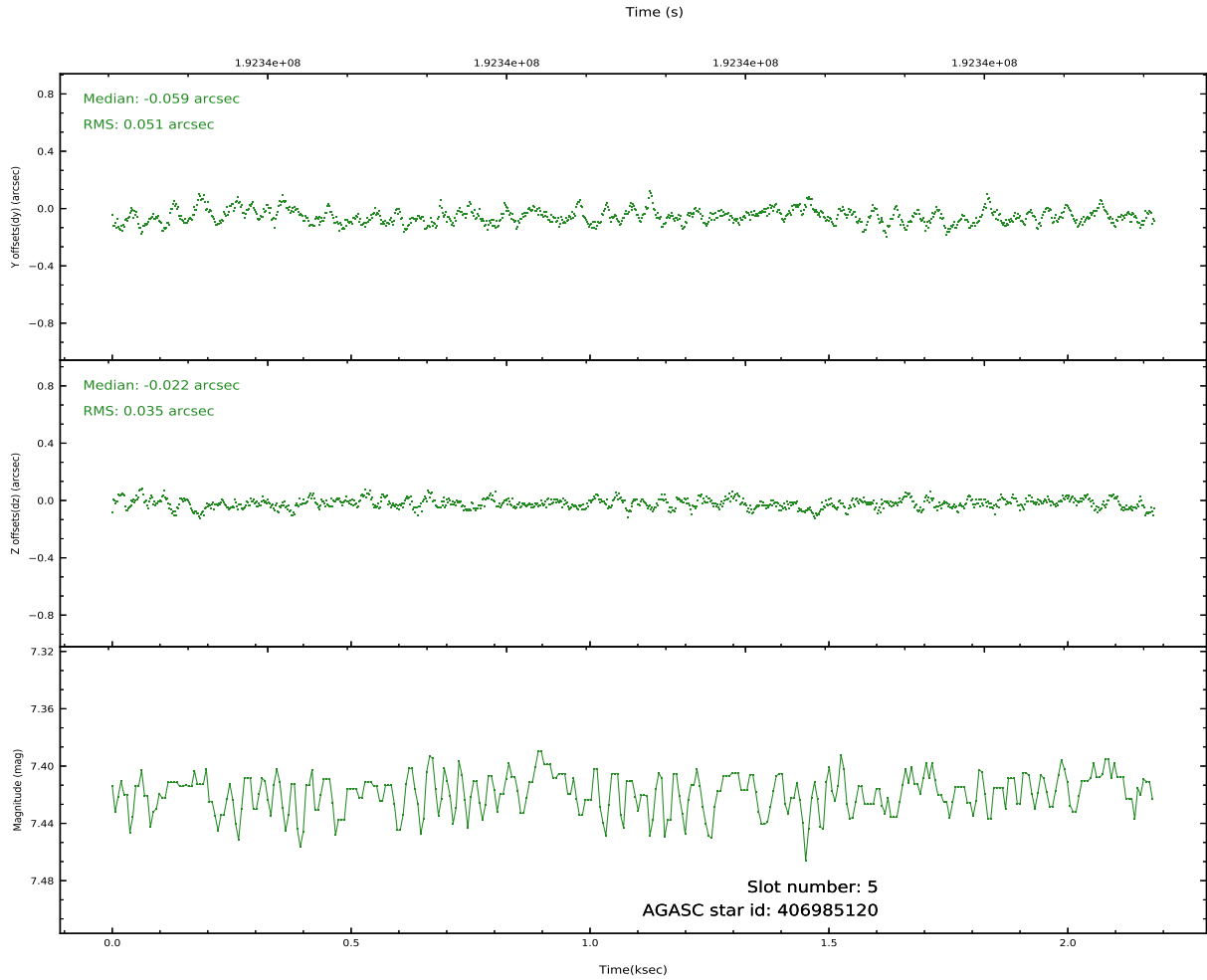
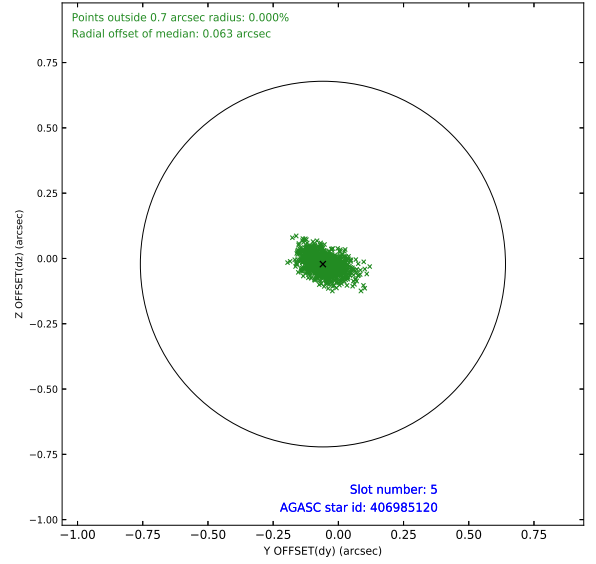
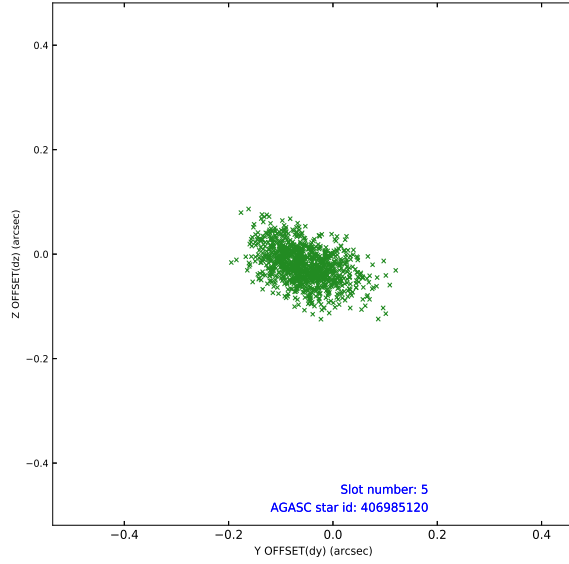
2.4.1 Slot 3



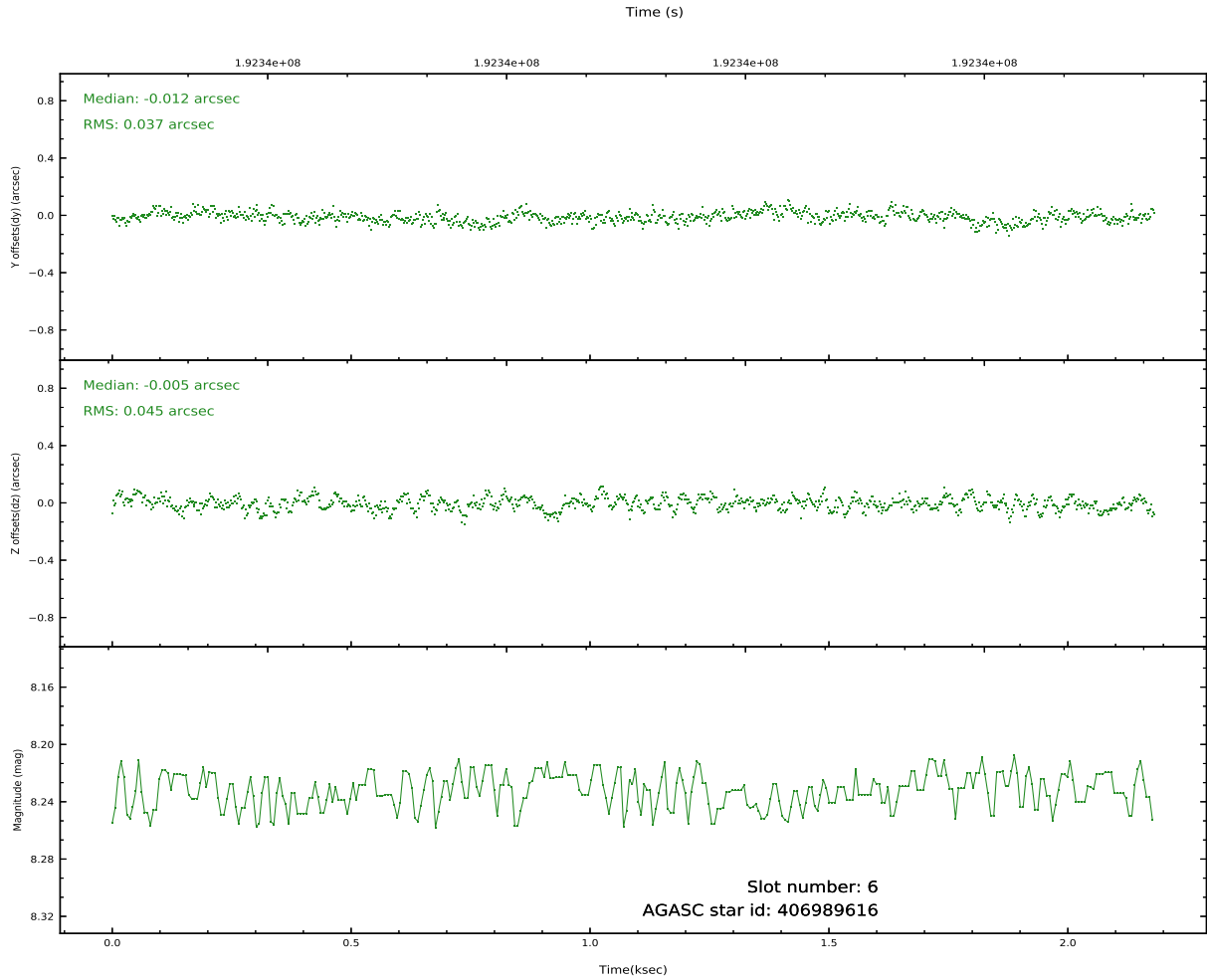
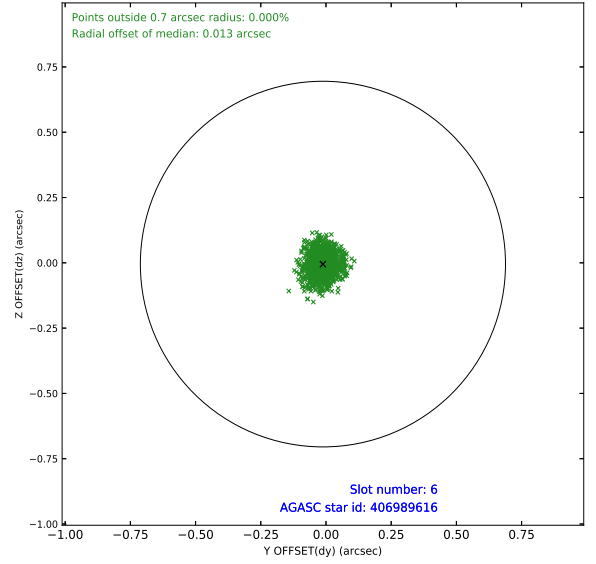
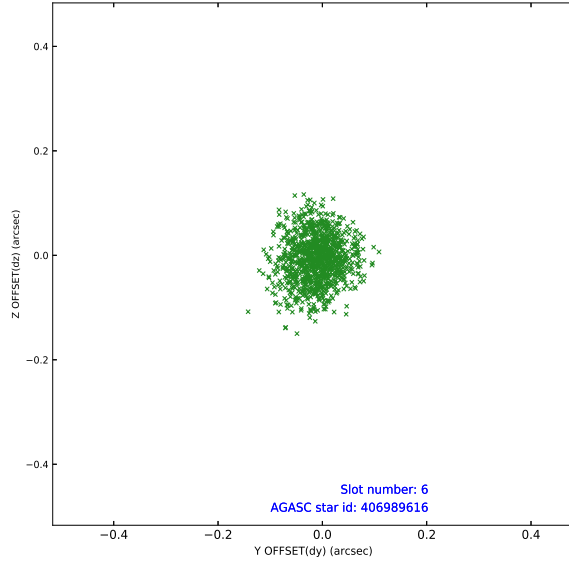
2.4.2 Slot 4



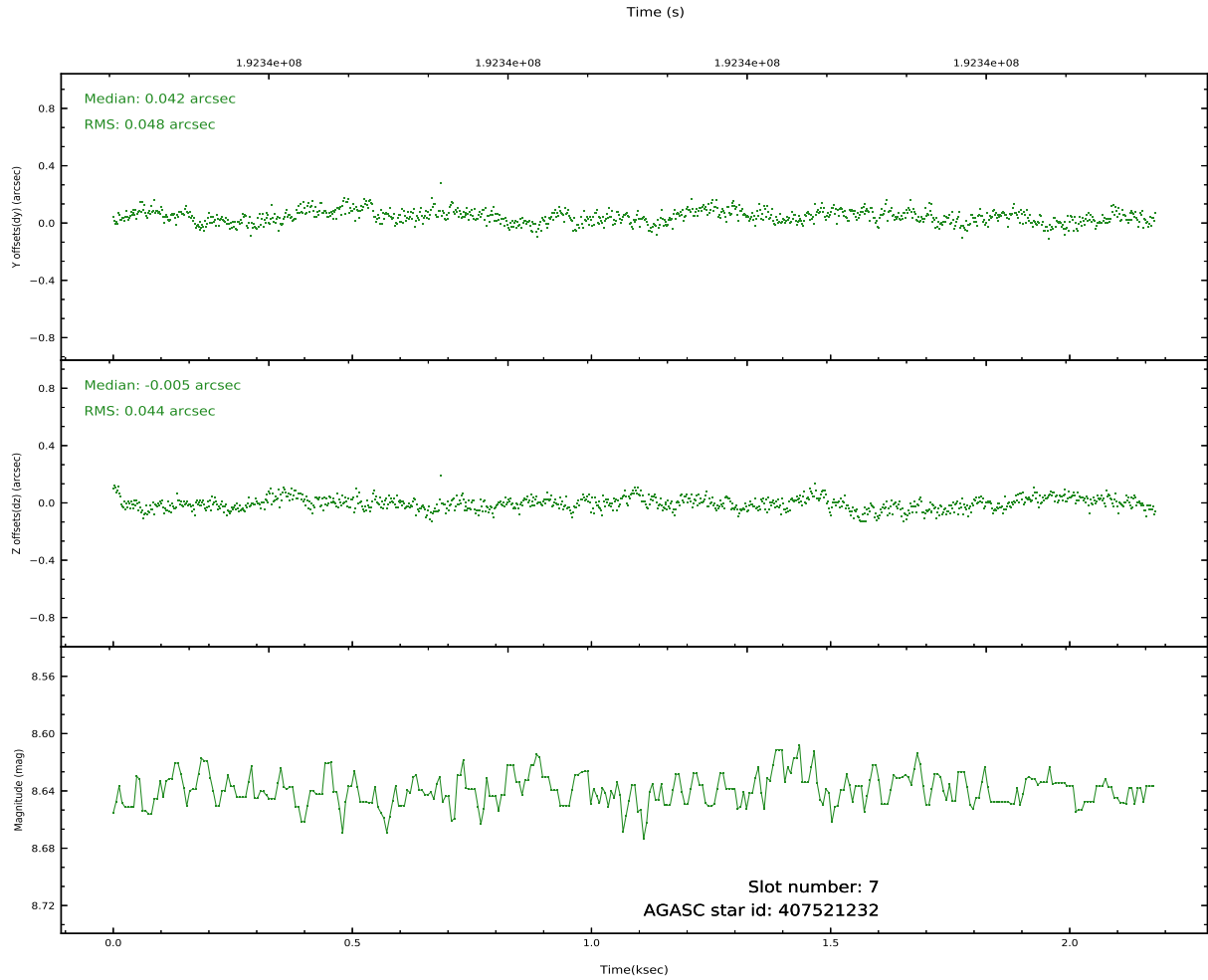
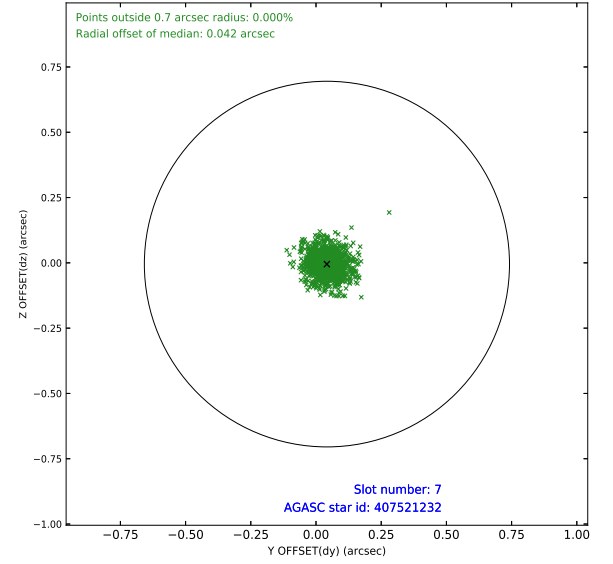
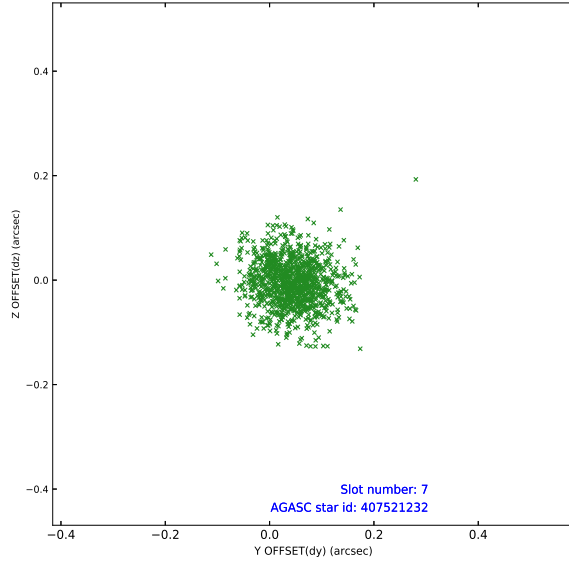
2.4.3 Slot 5



2.4.4 Slot 6

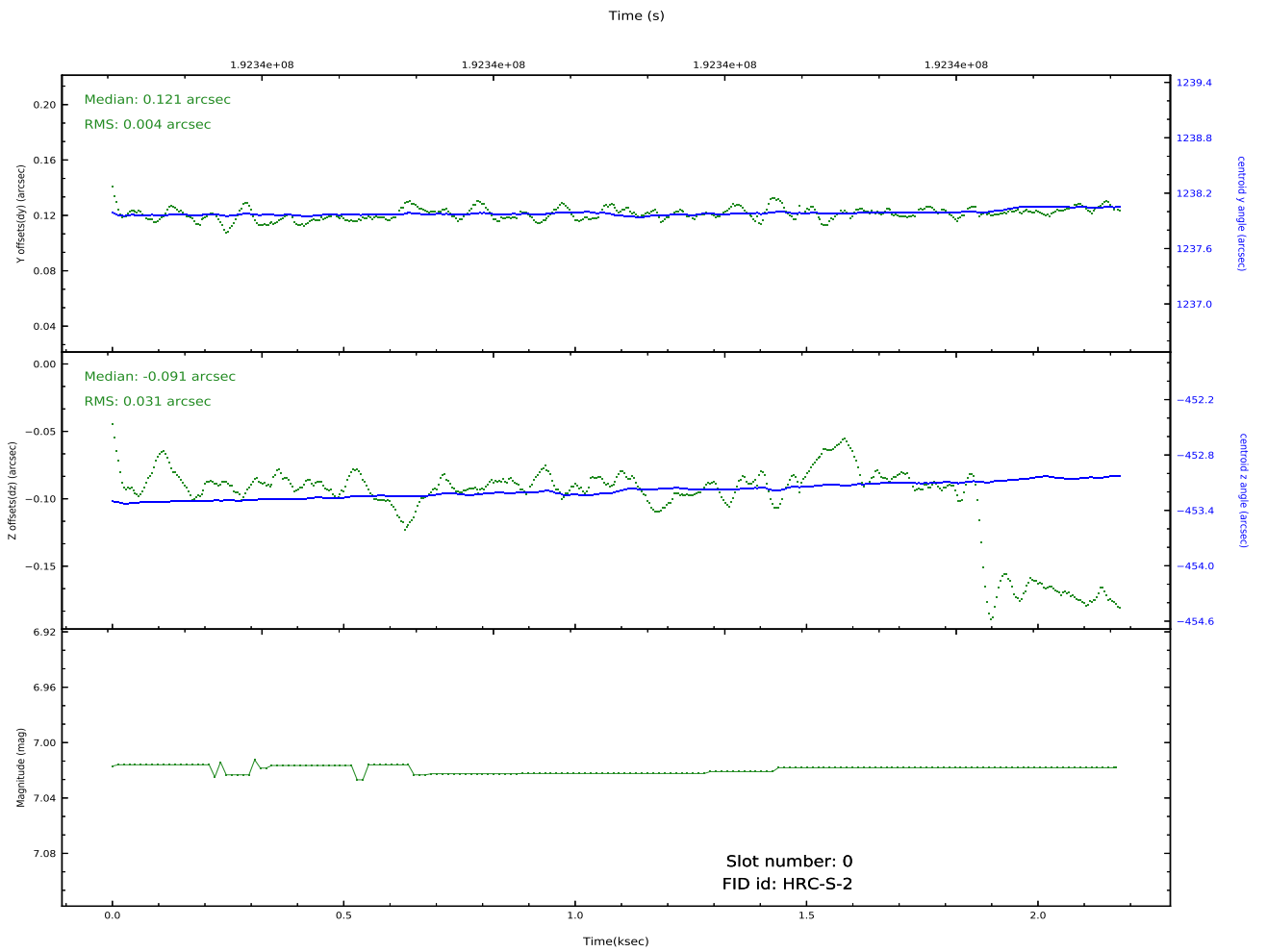
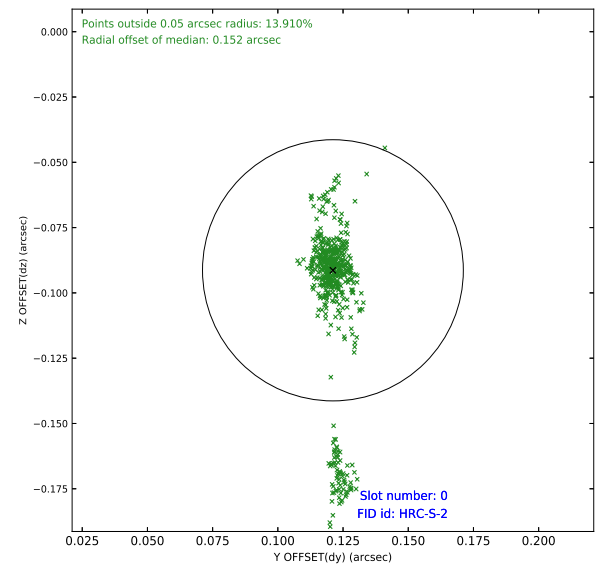
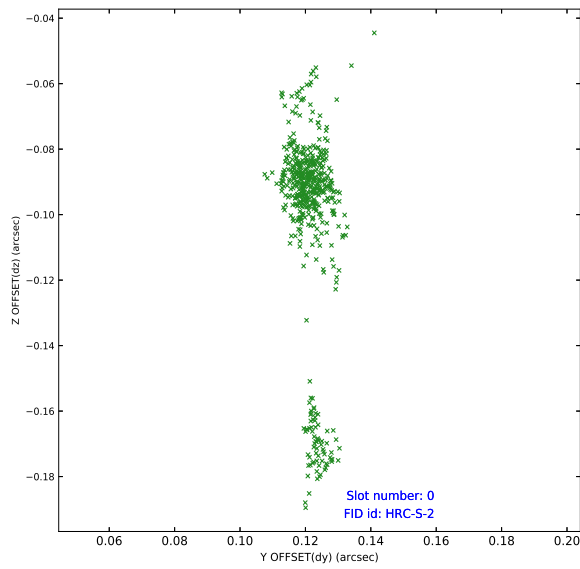


2.4.5 Slot 7

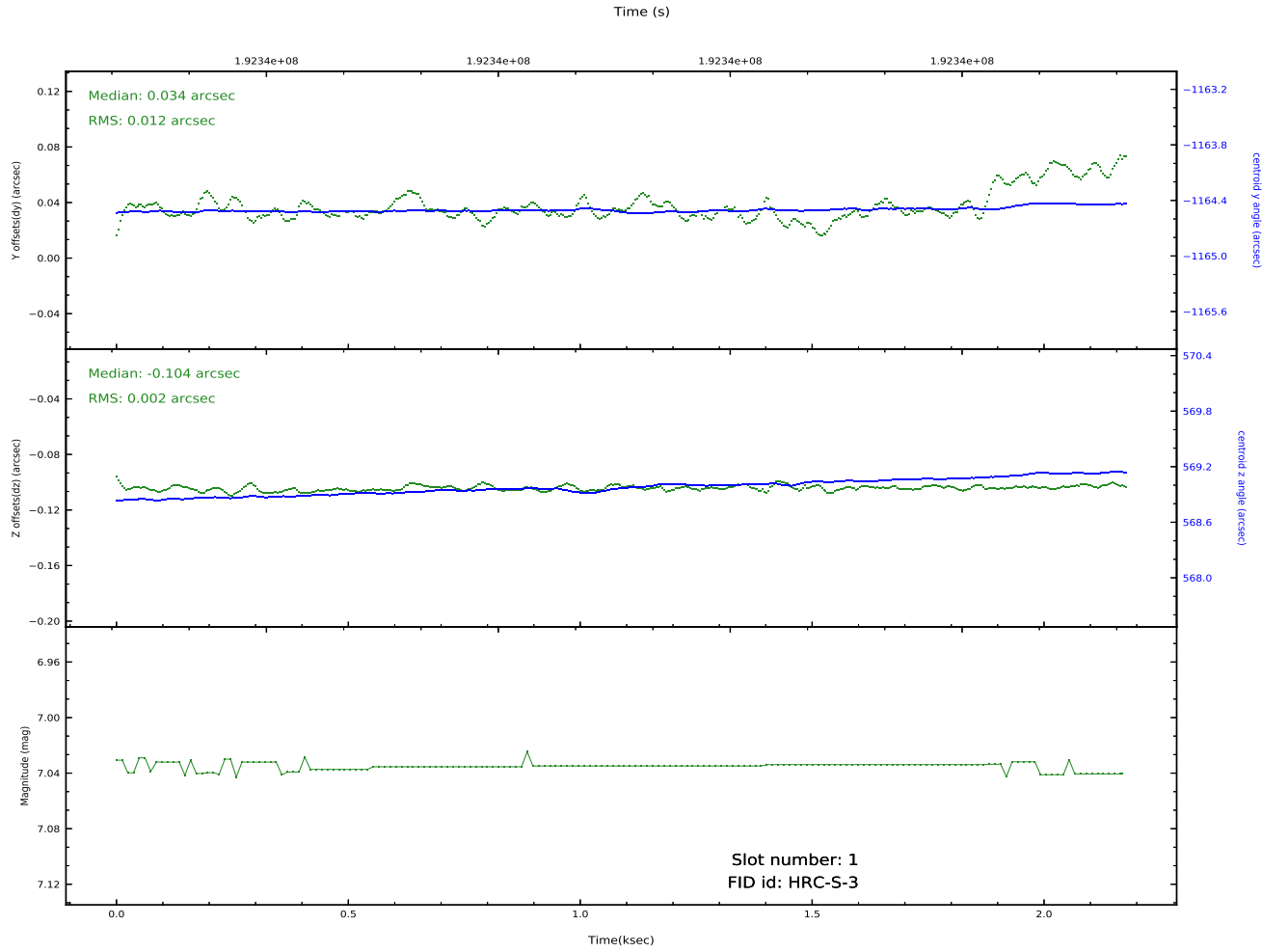
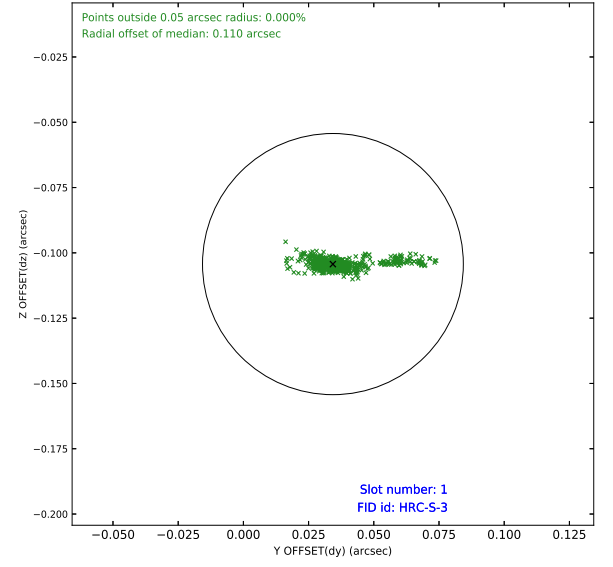
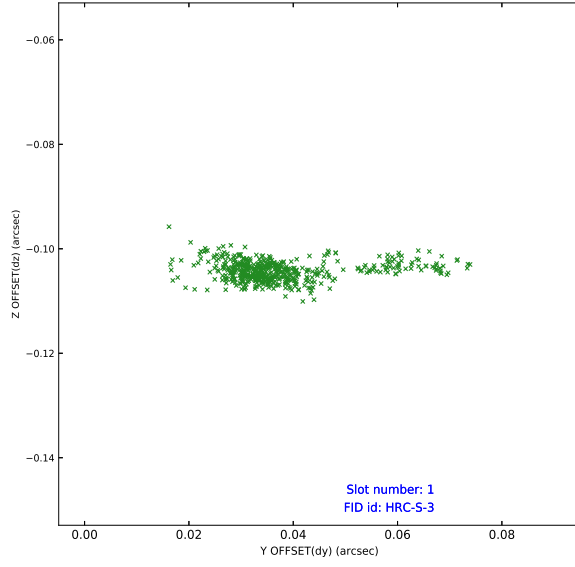


2.5 FID Slots

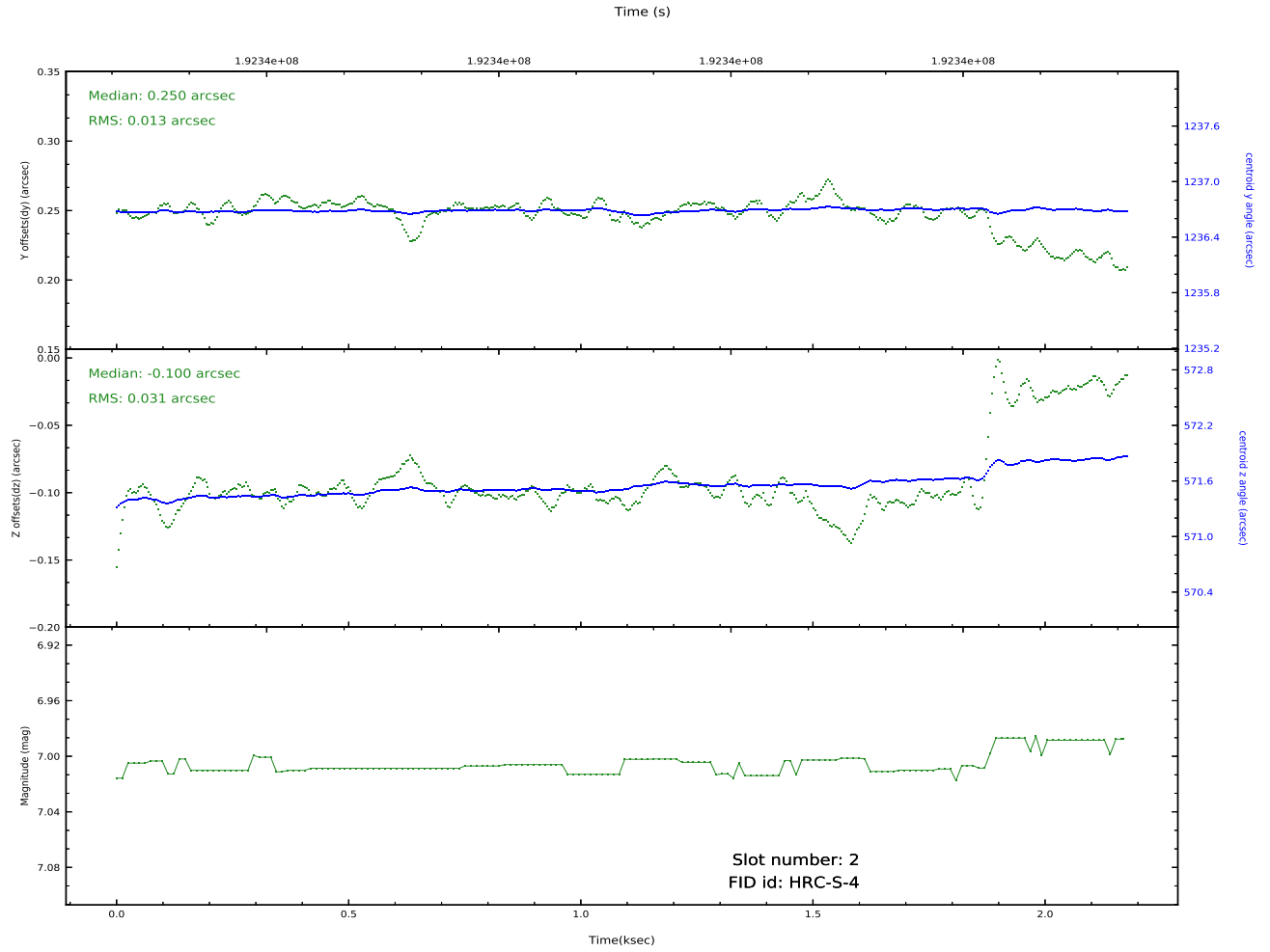
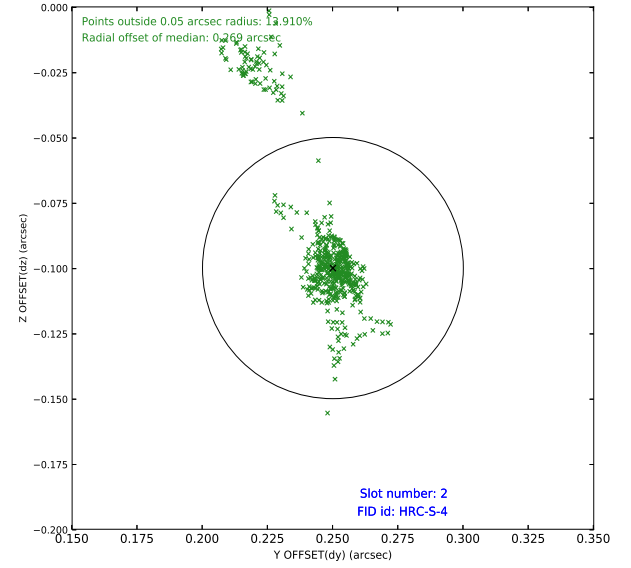
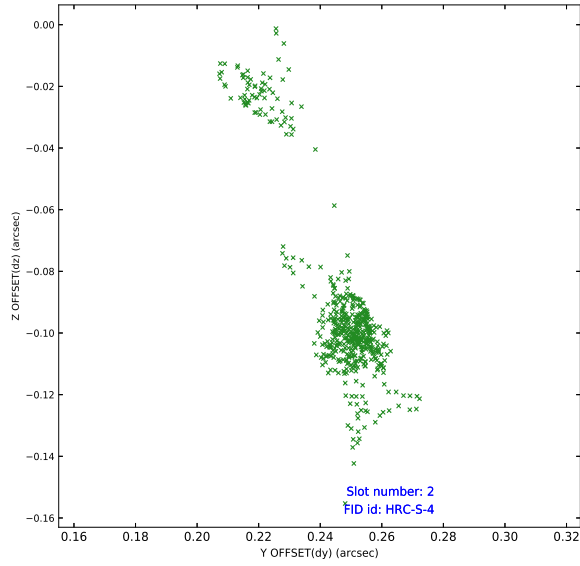
2.5.1 Slot 0



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	2.142

A.2 Comments

Window constraint met.