

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5968 - L2 Version 4
Chandra X-Ray Center

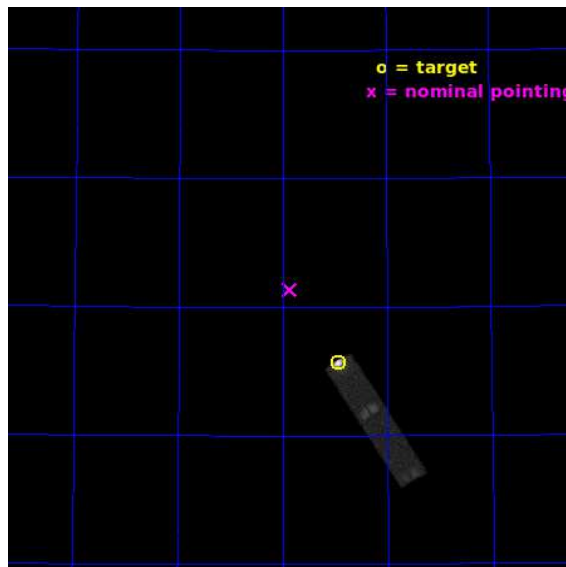
L2 Processing Date : Oct 6 2020

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1 Front

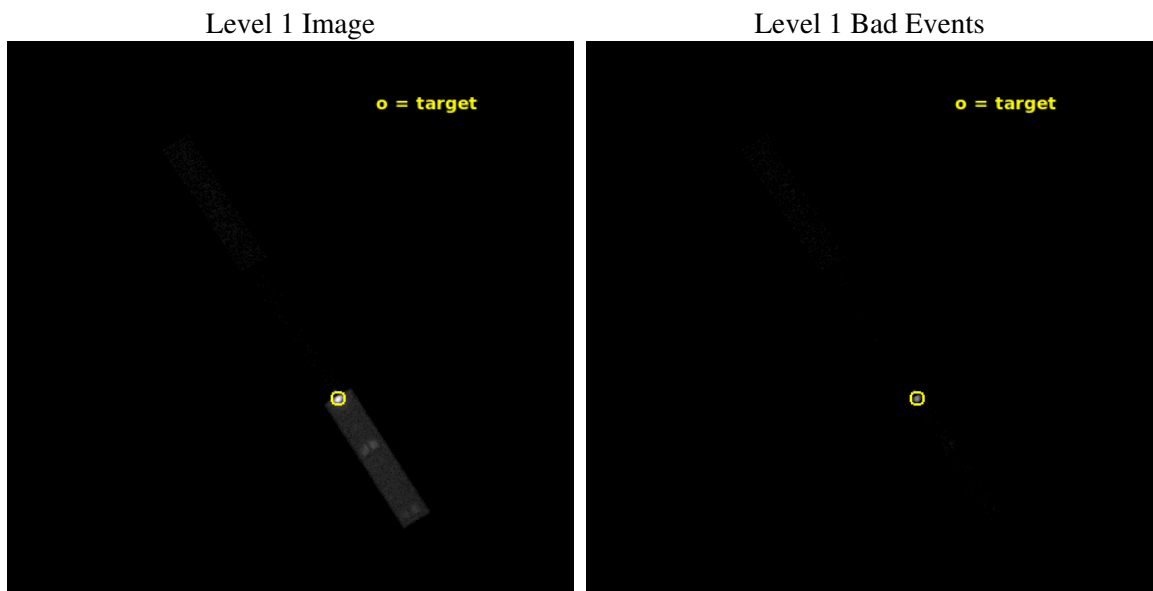
seq_num	290460	Sequence number
obs_id	5968	Observation id
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.46556707082	Nominal RA [deg]
dec_nom	39.067886937039	Nominal Dec [deg]
roll_nom	58.293714346451	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2186.5813489854	[s]
livetime	851.34285290847	Ontime multiplied by DTCOR
l2events	324366	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	2186.5813489854	[s]
caldbver	4.9.2	 	l1events	444005	Number of level 1 events
date	2020-10-06T21:51:08	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

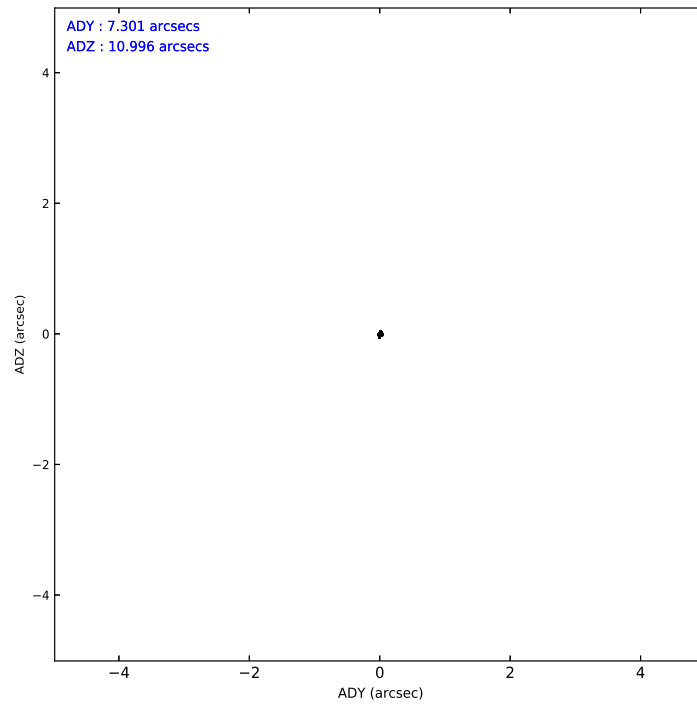
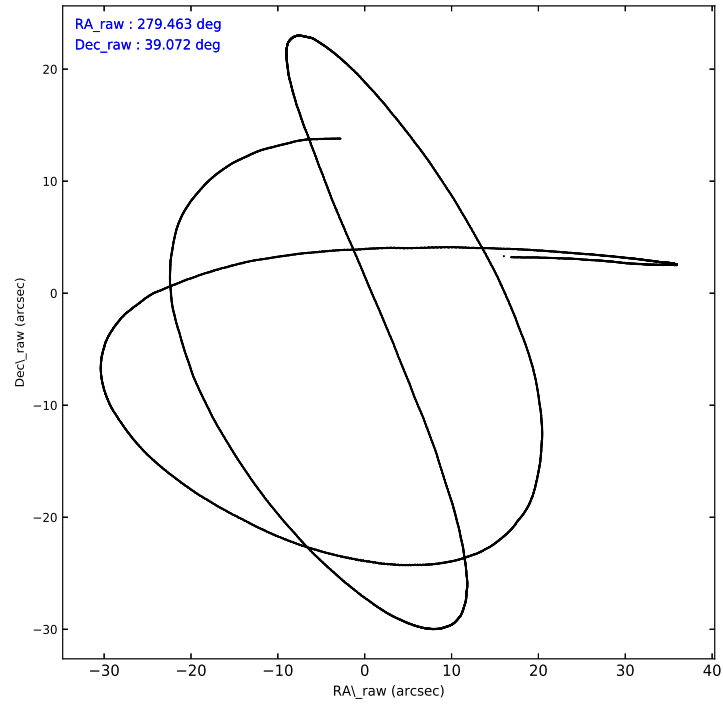
	segment 1	segment 2	segment 3
level 1 events	439237	823	3945
rejected events	36057	823	3945
rejected %	8%	100%	100%

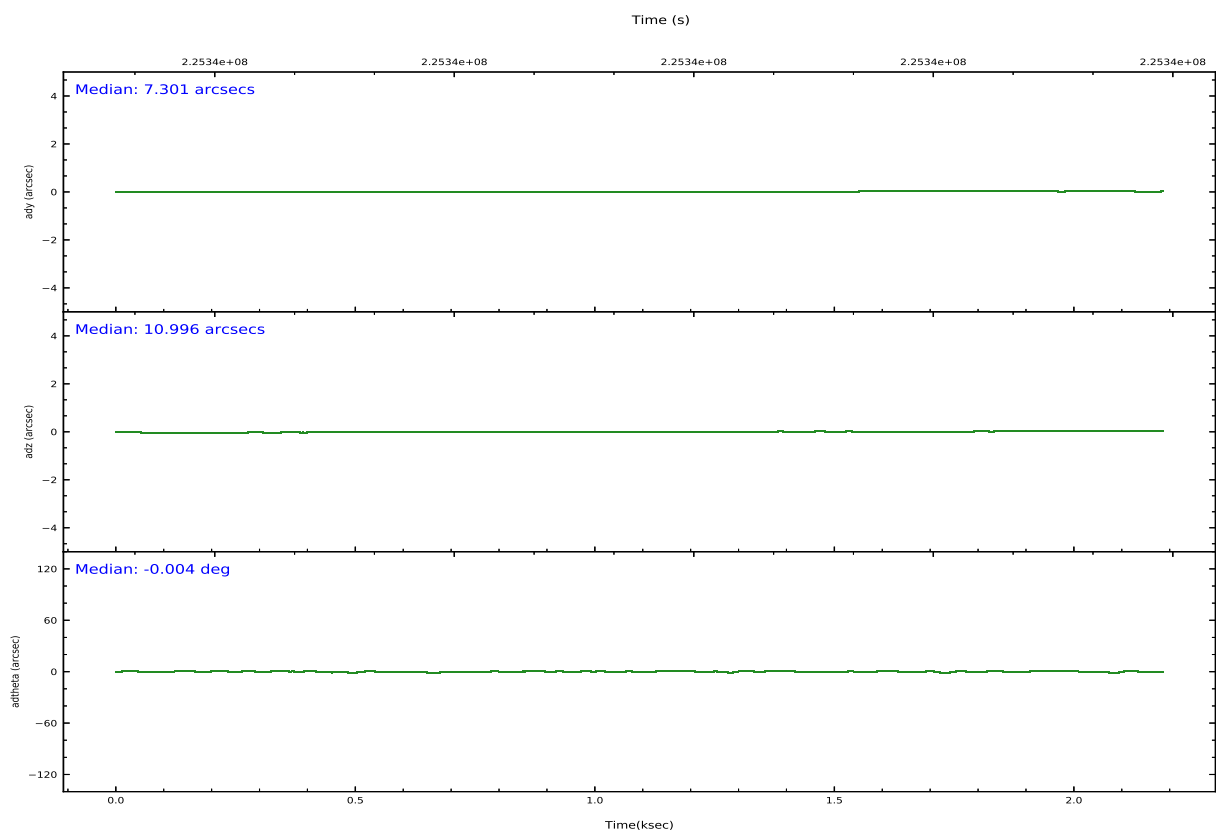
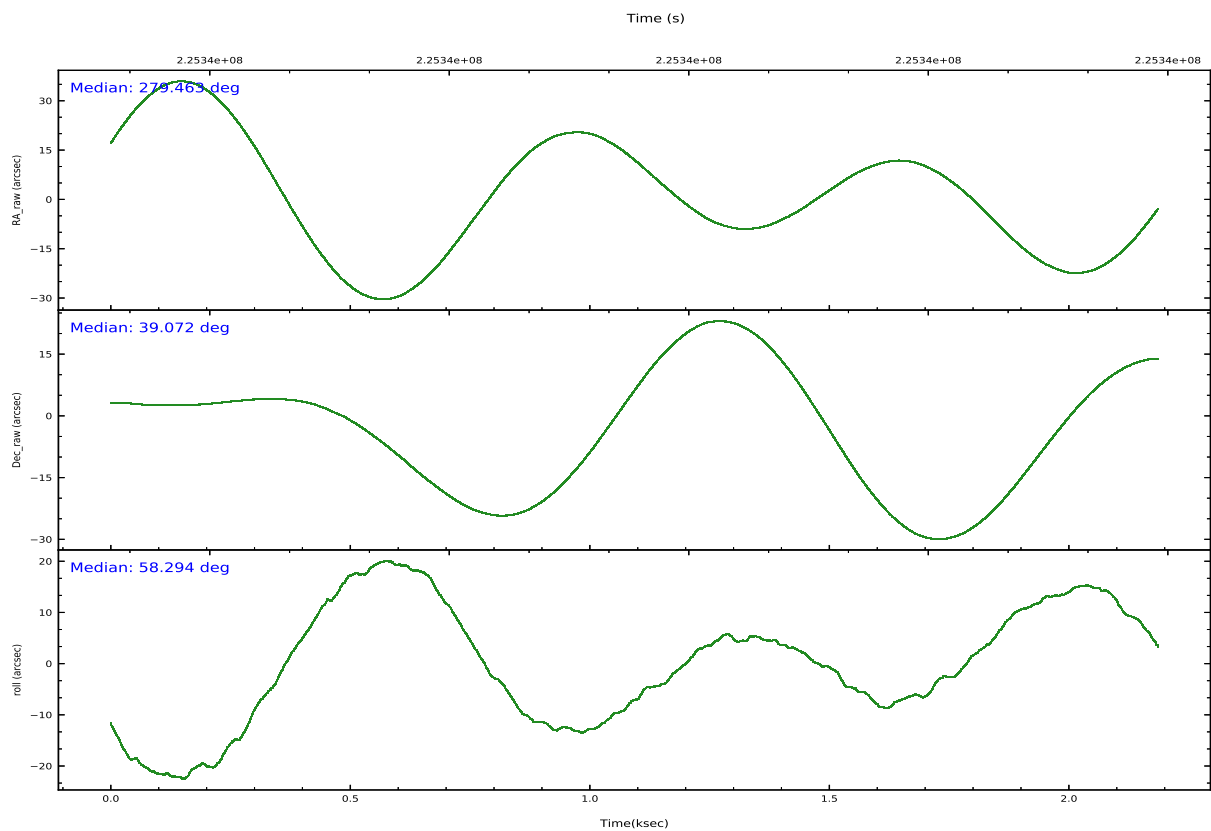
2.2 Compared Parameters

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	279.464198	279.46556707082
[deg] Pointing Dec	39.042698	39.067886937039
[deg] Pointing Roll	58.225408	58.293714346451
[s] Window start time (MET)	223603264.184000	223603264.184000
[s] Window stop time (MET)	228614464.184000	228614464.184000
[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)	225337479.184000	225337103.44878
Observation start date	2005-02-21T01:43:35	2005-02-21T01:38:23
[s] Observation end time (MET)	225339479.184000	225339613.6739
Observation end date	2005-02-21T02:16:55	2005-02-21T02:20:13

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

2.3 Aspect



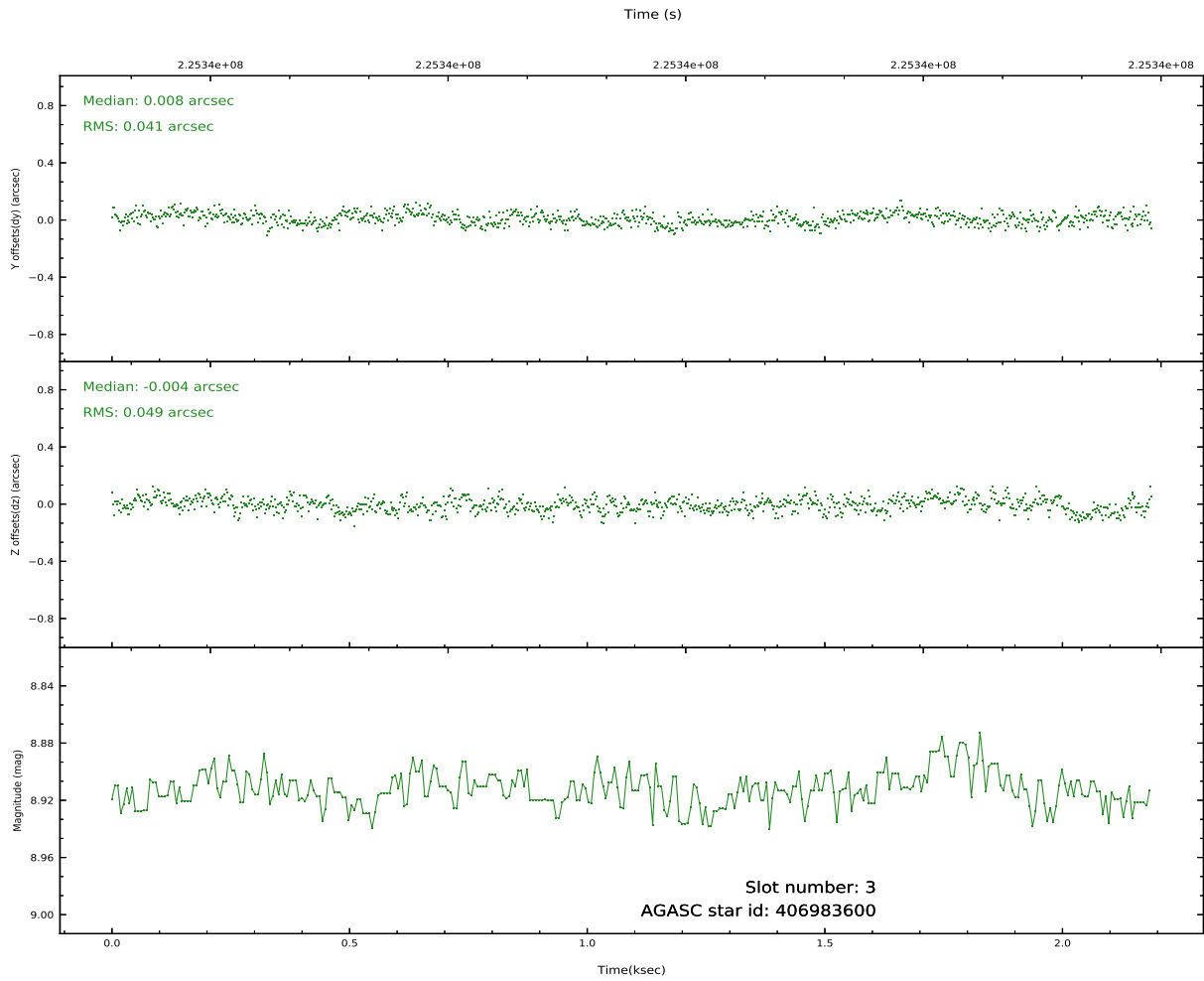
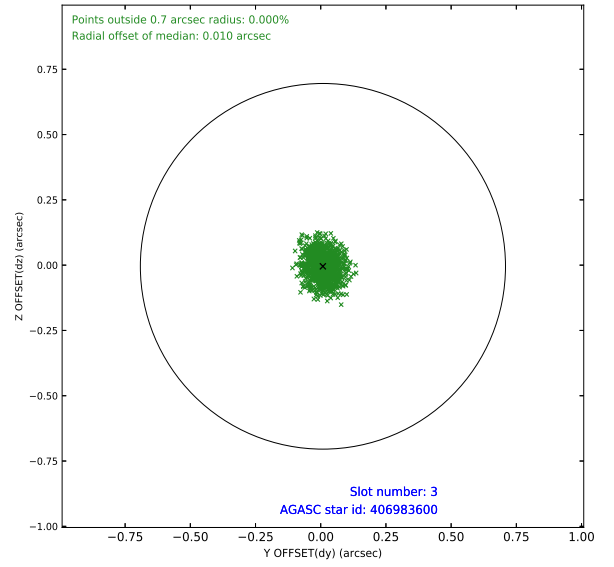
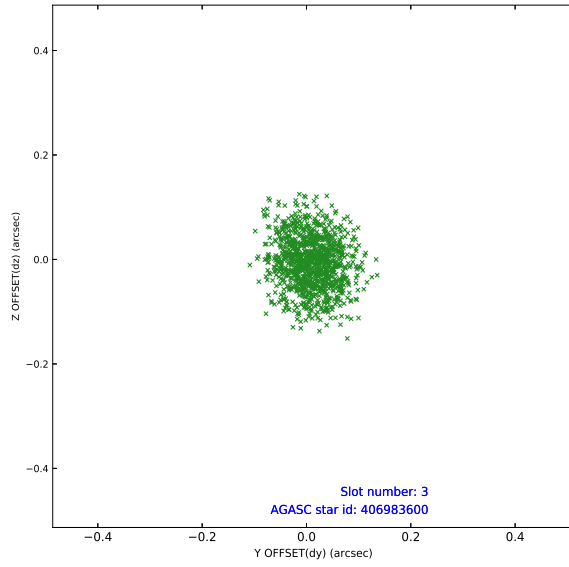


Slot Statistics

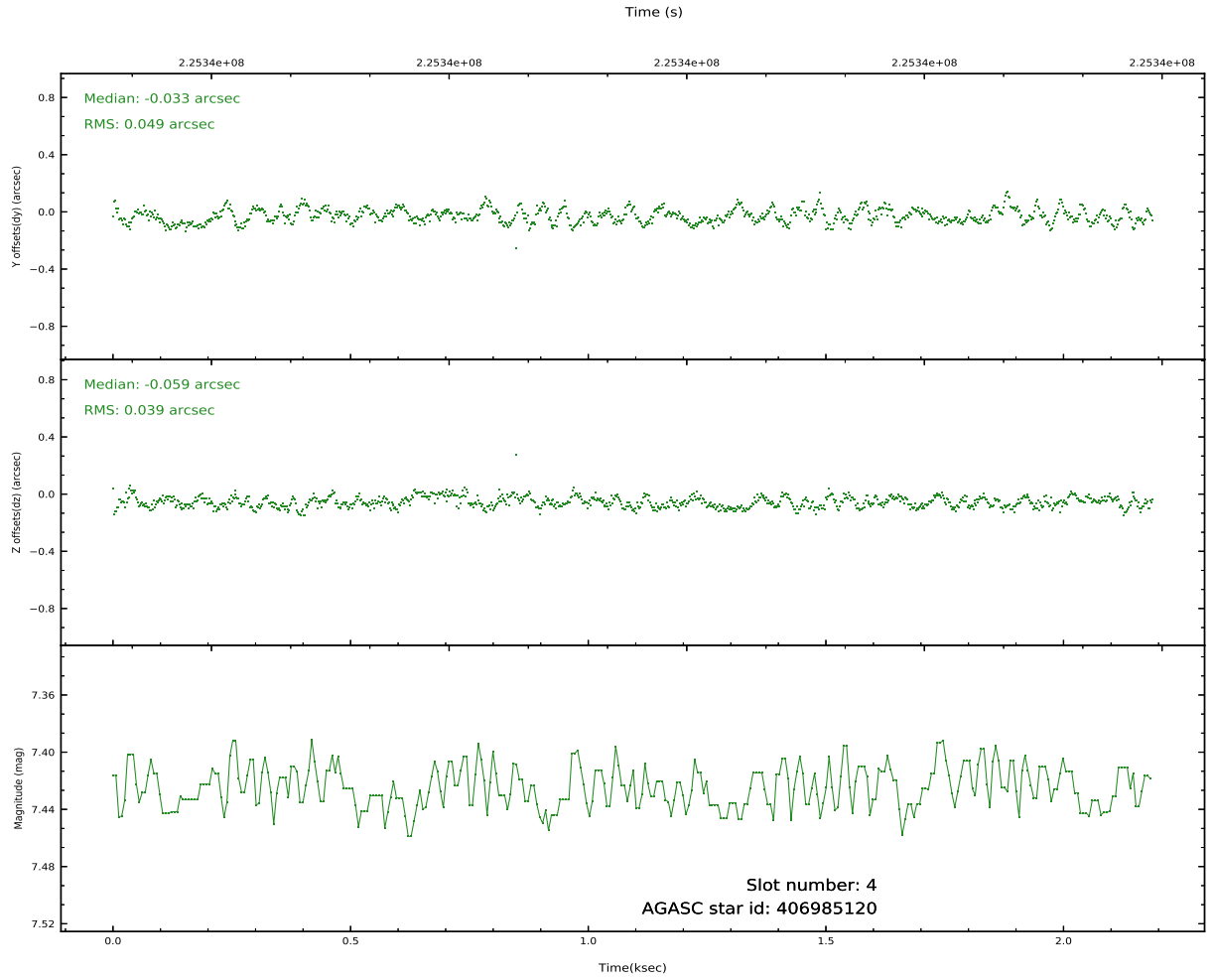
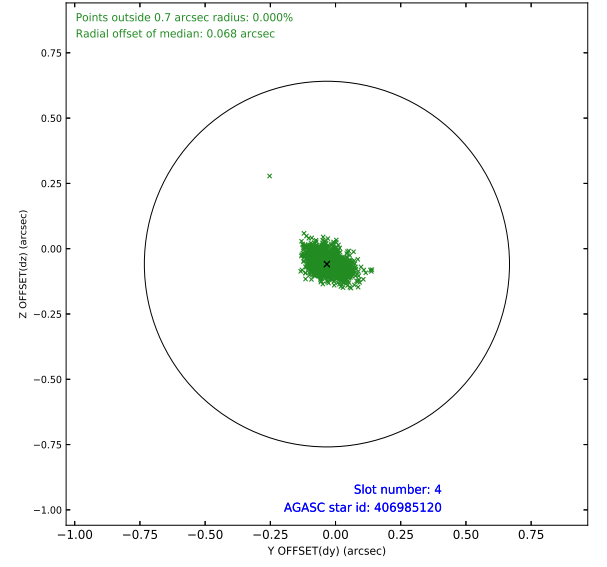
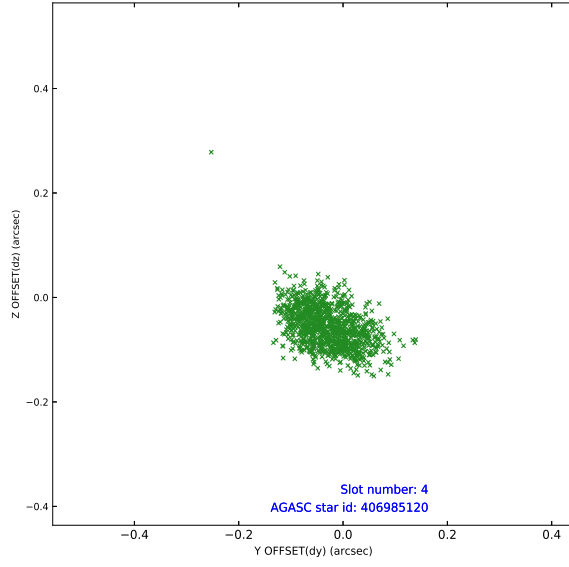
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.01	534	1.000	0.101	-0.175	0.006	0.010	0.000000	0.000000	-1161.48	-459
1	FID		HRC-S-2	7.01	534	1.000	0.203	-0.119	0.005	0.011	0.000000	0.000000	1236.12	-453
2	FID		HRC-S-3	7.02	533	1.000	0.086	-0.008	0.006	0.011	0.000000	0.000000	-1161.90	569
3	GUIDE	used	406983600	8.91	1068	1.000	0.008	-0.004	0.068	0.108	279.940957	39.020708	637.89	-1173
4	GUIDE	used	406985120	7.43	1068	1.000	-0.033	-0.059	0.066	0.104	278.839732	38.894839	-1368.18	1209
5	GUIDE	used	406989616	8.23	1068	1.000	0.074	0.058	0.063	0.101	279.202881	38.520843	-1984.90	-361
6	GUIDE	used	407513096	8.15	1068	1.000	-0.171	0.138	0.058	0.092	279.928965	39.436841	1887.58	-349
7	GUIDE	used	407521232	8.65	1067	1.000	0.119	-0.133	0.070	0.115	279.628883	39.431715	1433.99	348

2.4 Star Slots

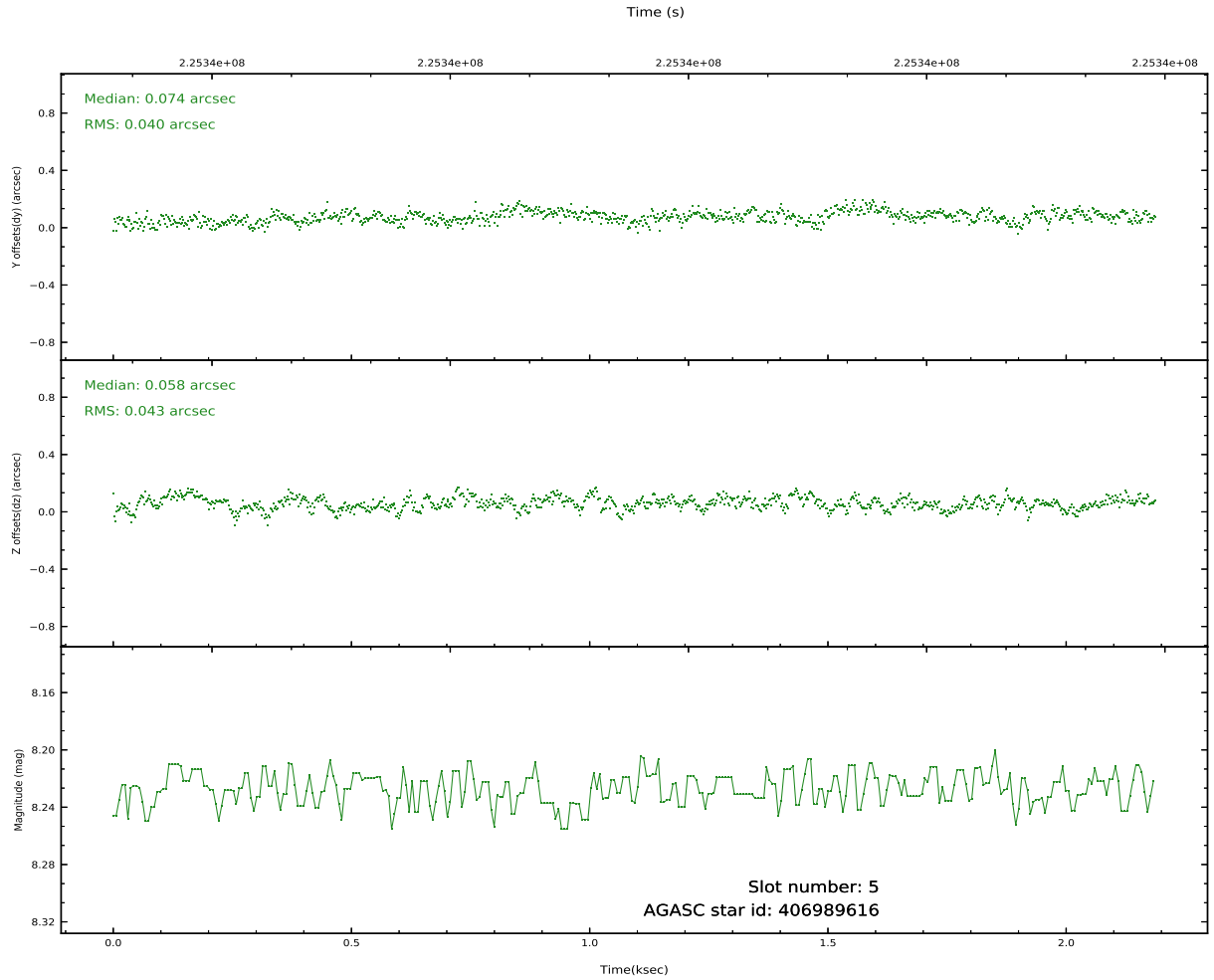
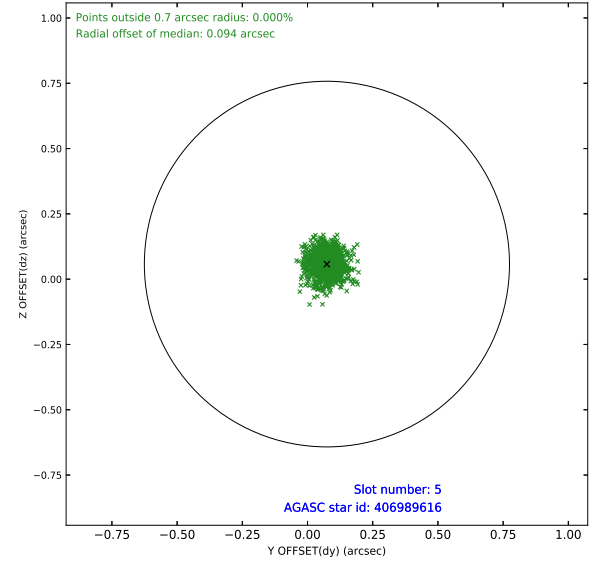
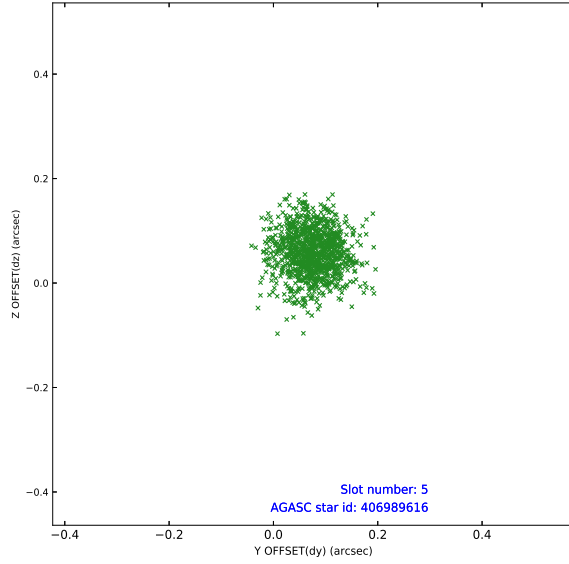
2.4.1 Slot 3



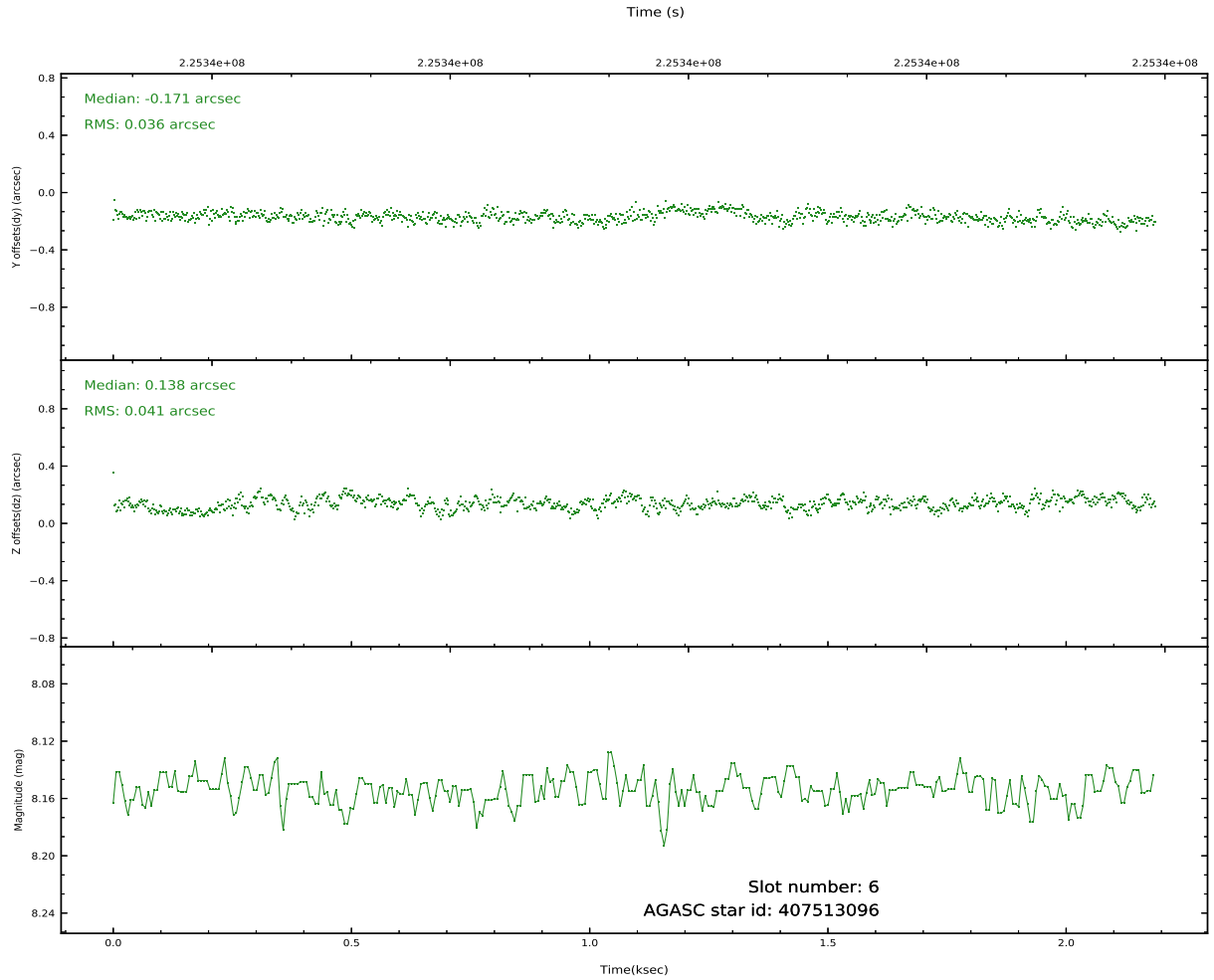
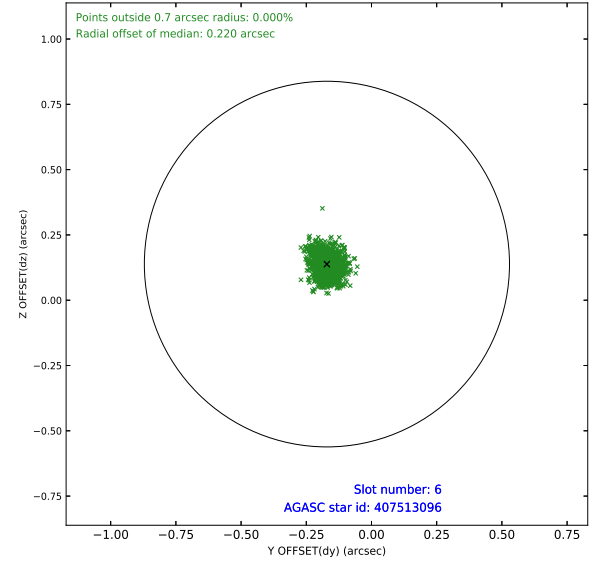
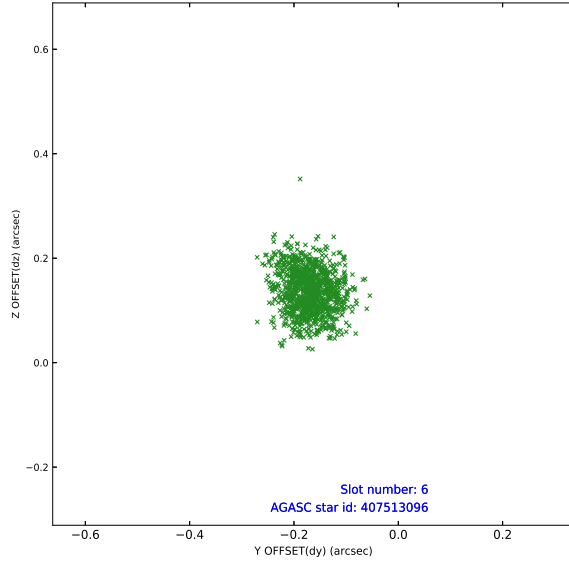
2.4.2 Slot 4



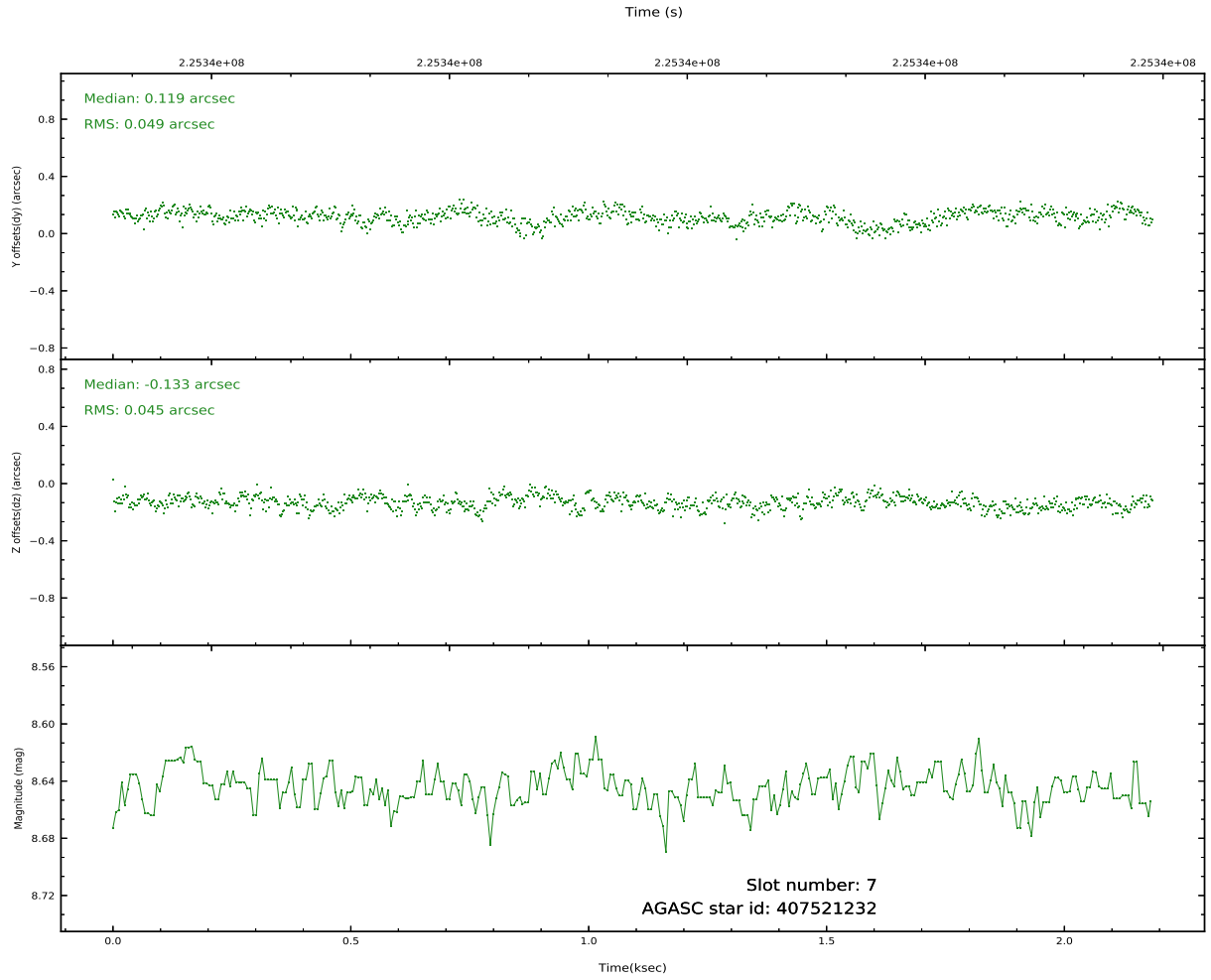
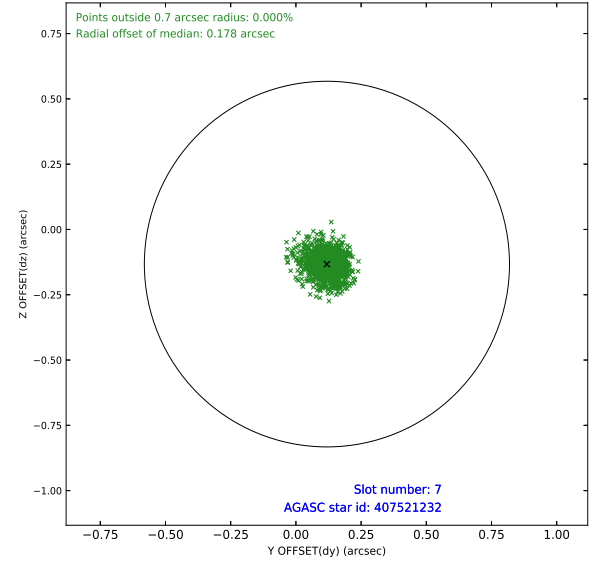
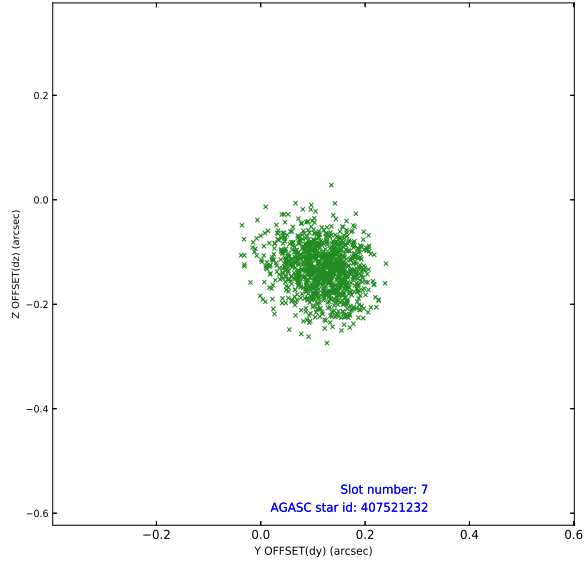
2.4.3 Slot 5



2.4.4 Slot 6

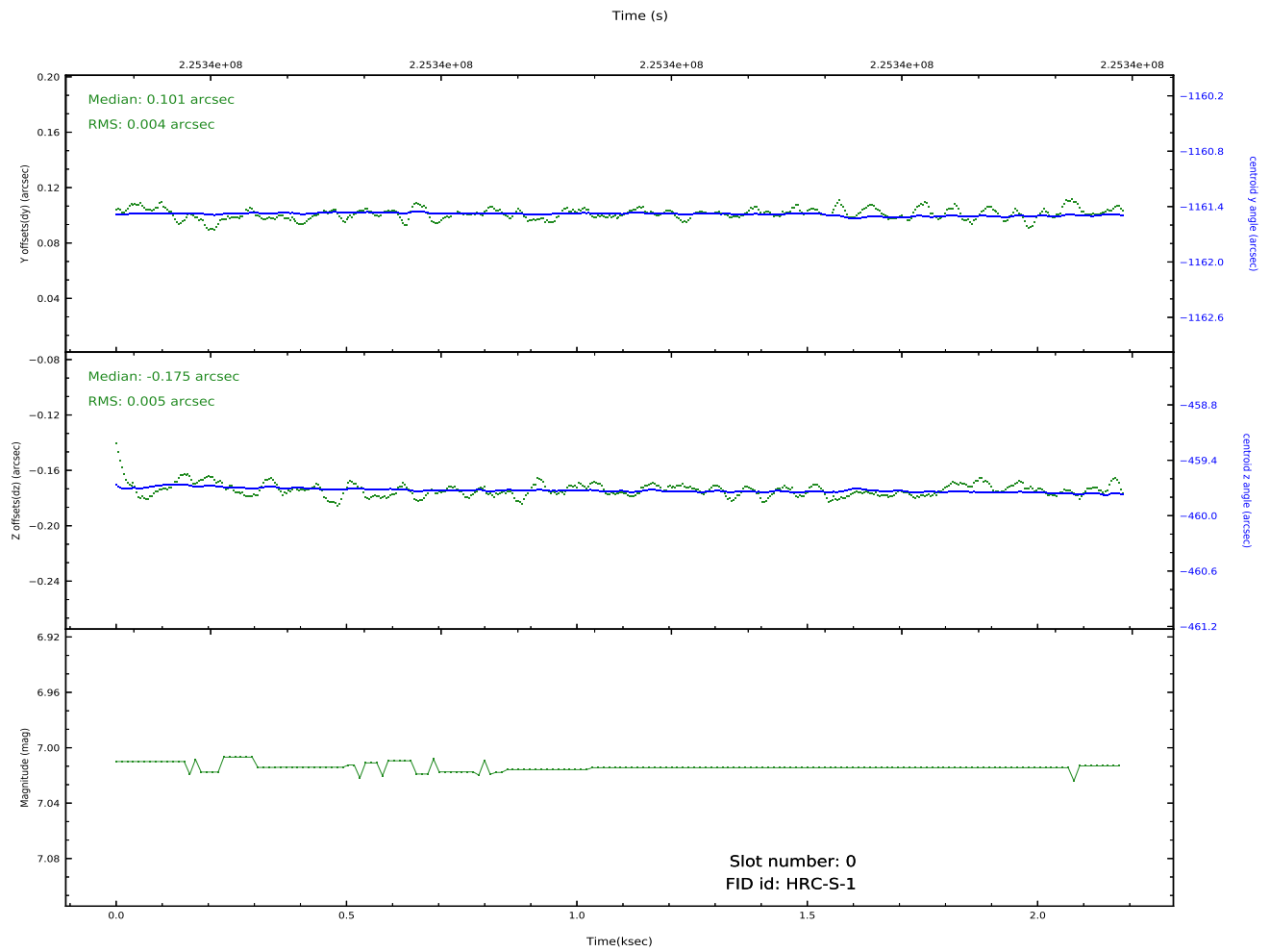
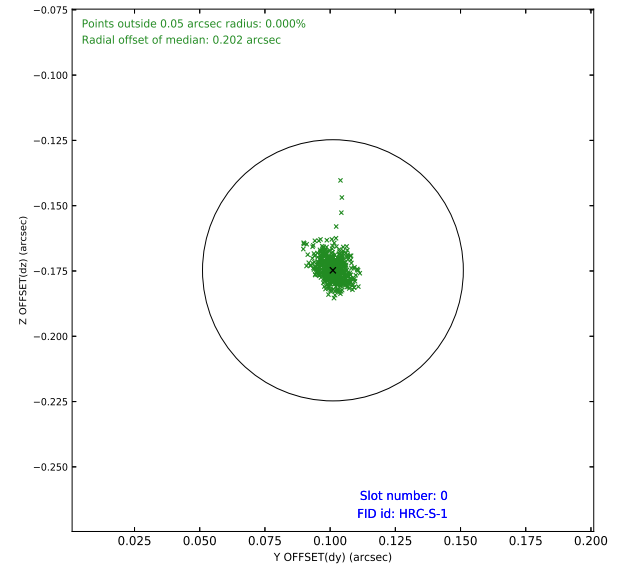
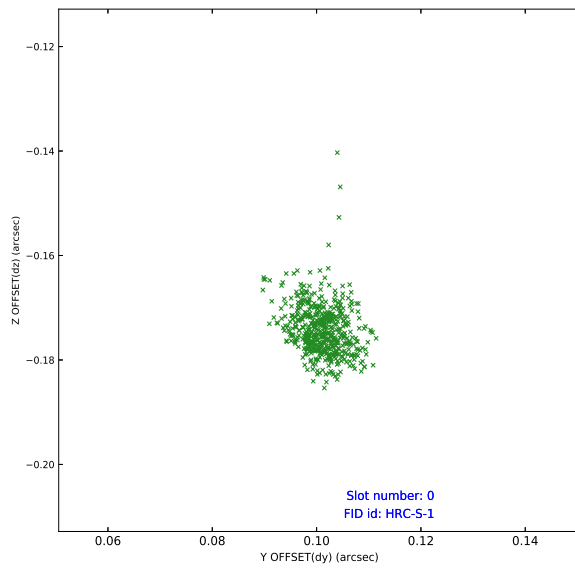


2.4.5 Slot 7

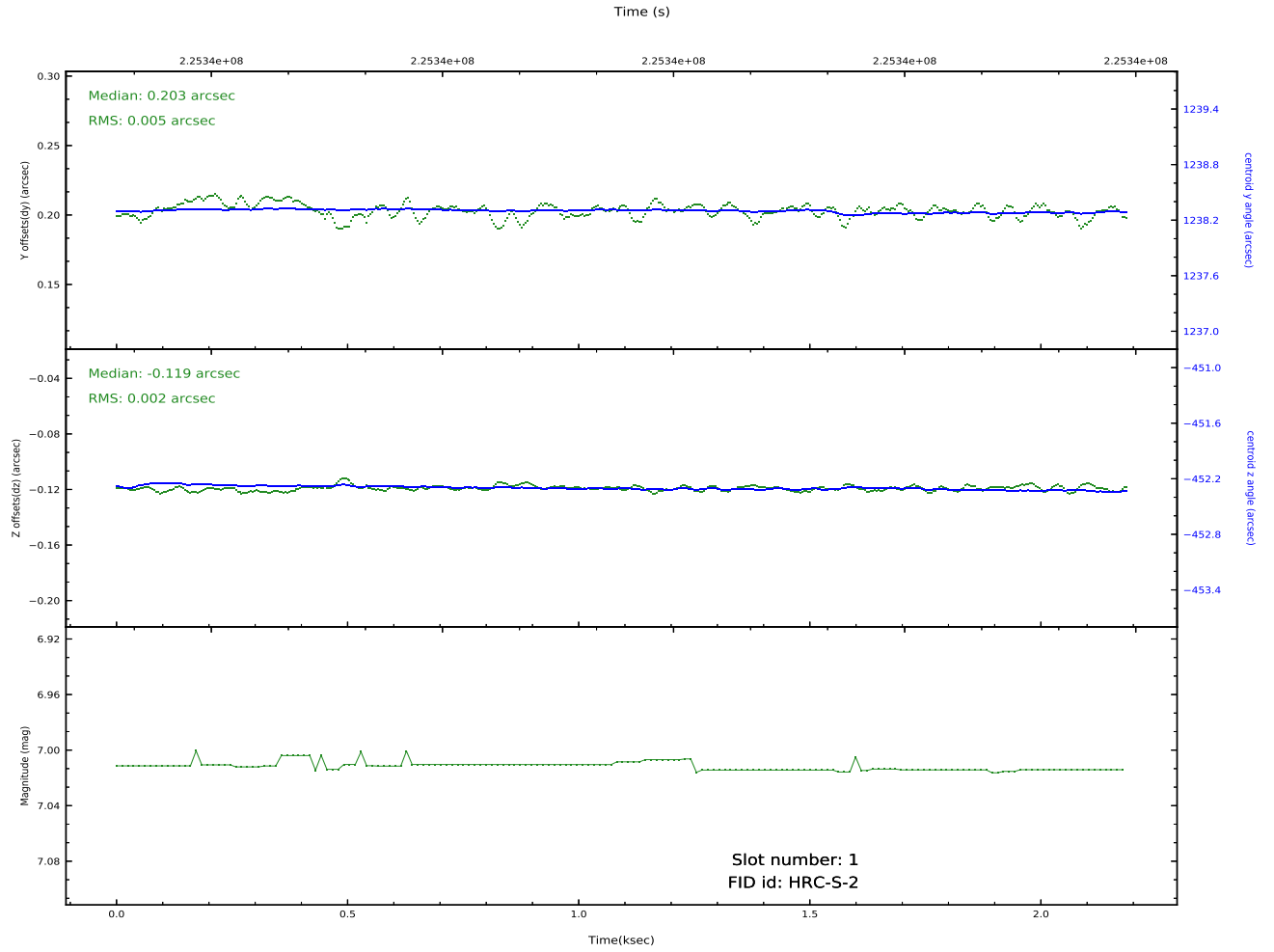
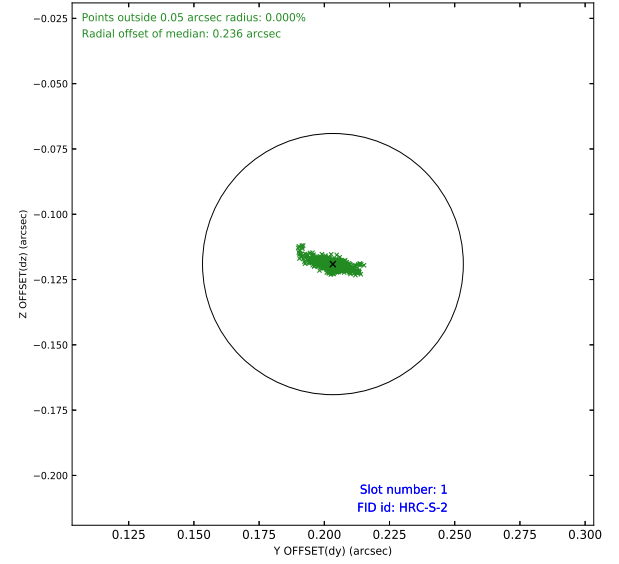
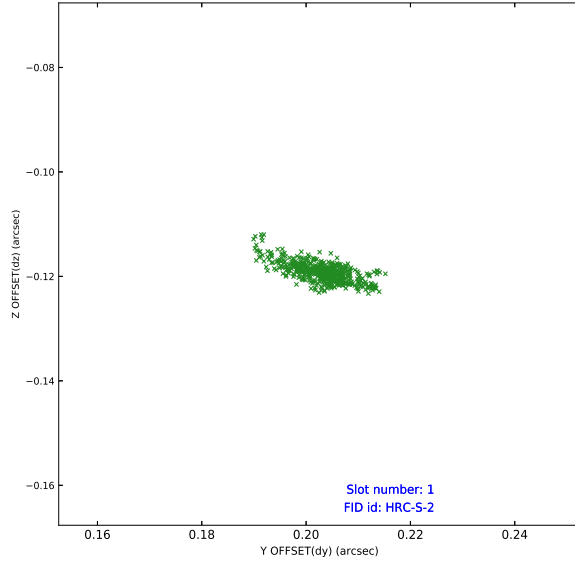


2.5 FID Slots

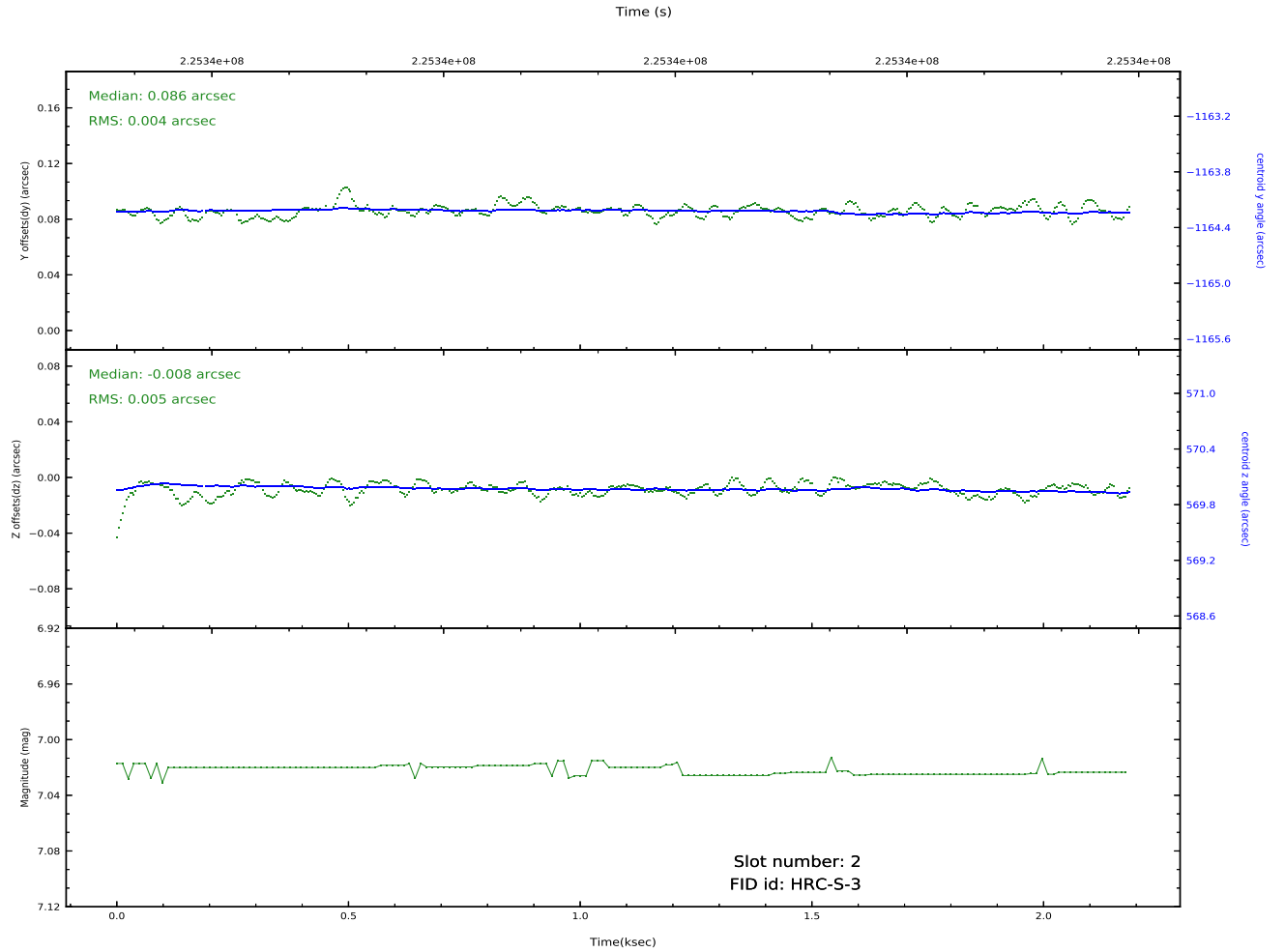
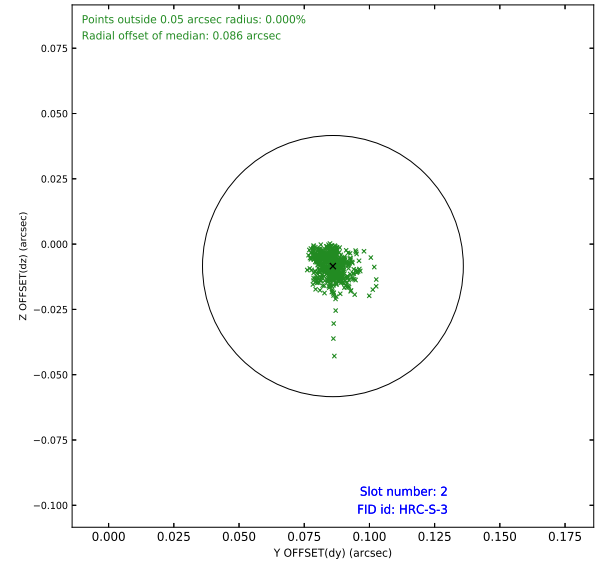
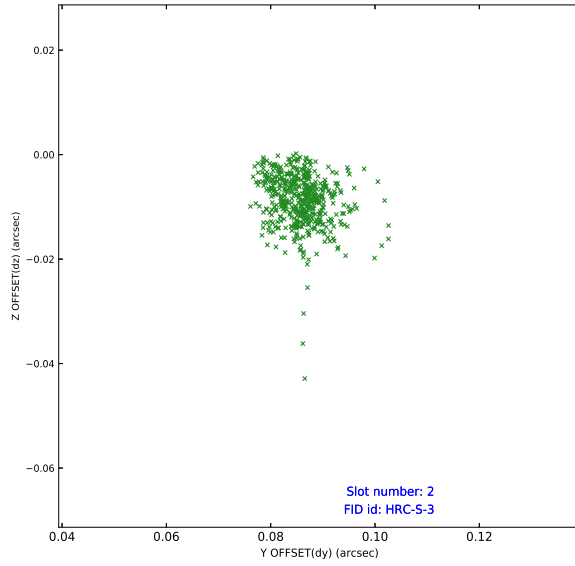
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.186325

A.2 Comments

Window constraint was met.