

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6000 - L2 Version 4
Chandra X-Ray Center

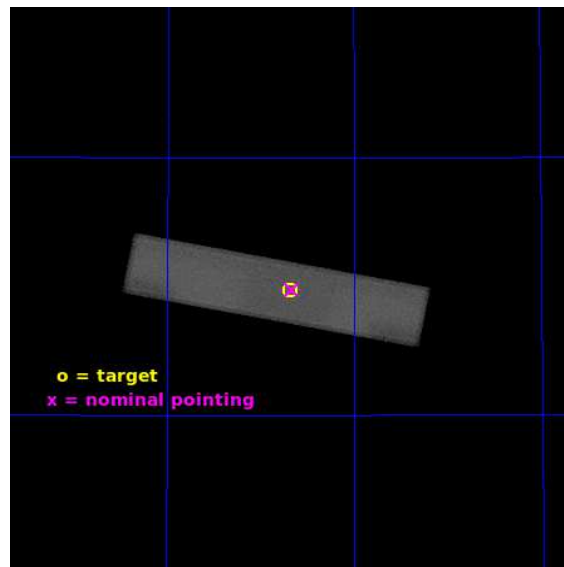
L2 Processing Date : Oct 10 2020

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1 Front

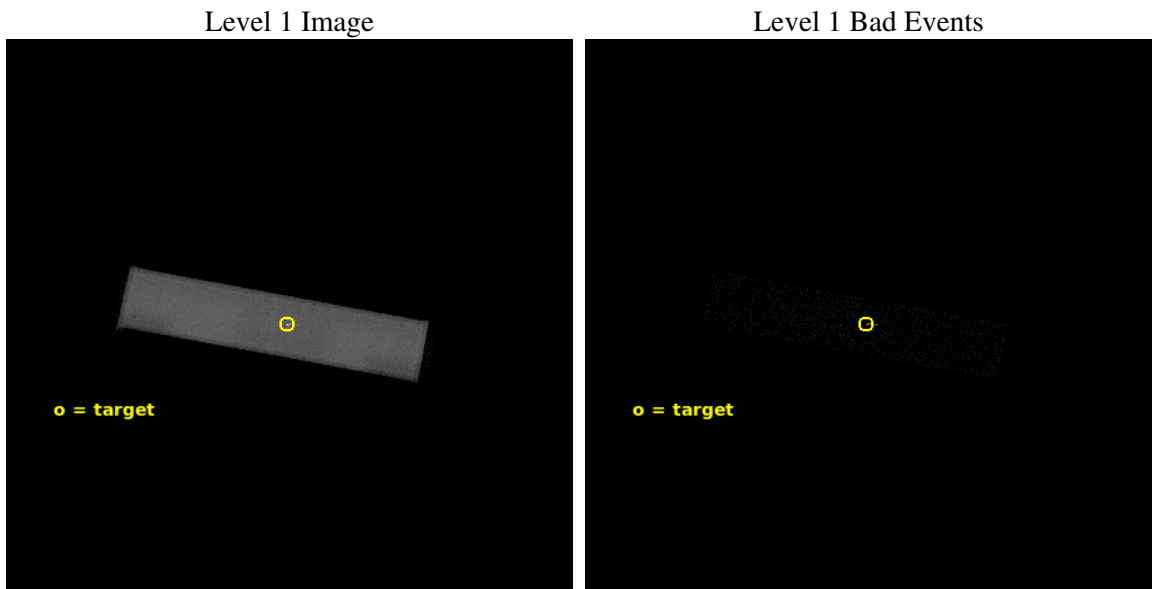
seq_num	290492	Sequence number
obs_id	6000	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16605789167	Nominal RA [deg]
dec_nom	45.744327273409	Nominal Dec [deg]
roll_nom	190.8471478184	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3184.9313962758	[s]
livetime	3127.2246442459	Ontime multiplied by DTCOR
l2events	353513	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3184.9313962758	[s]
caldbver	4.9.2	 	l1events	466009	Number of level 1 events
date	2020-10-10T07:41:43	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

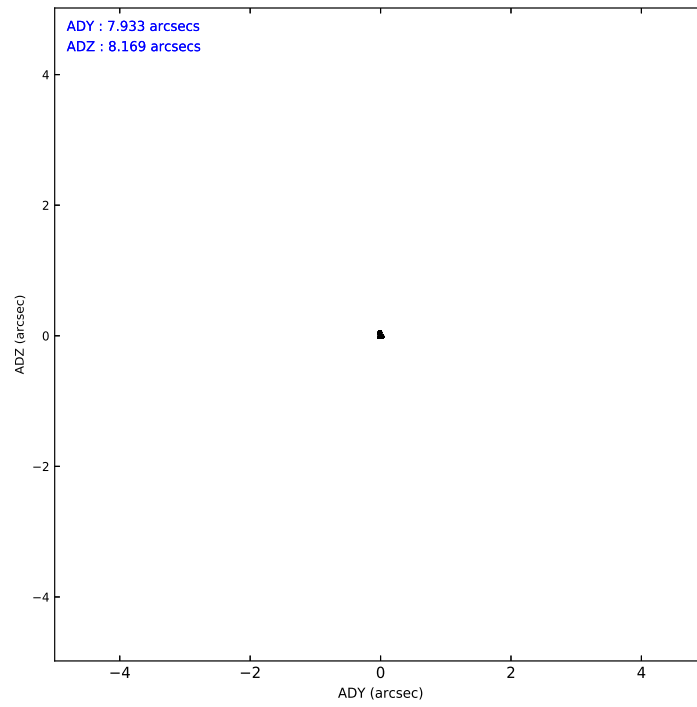
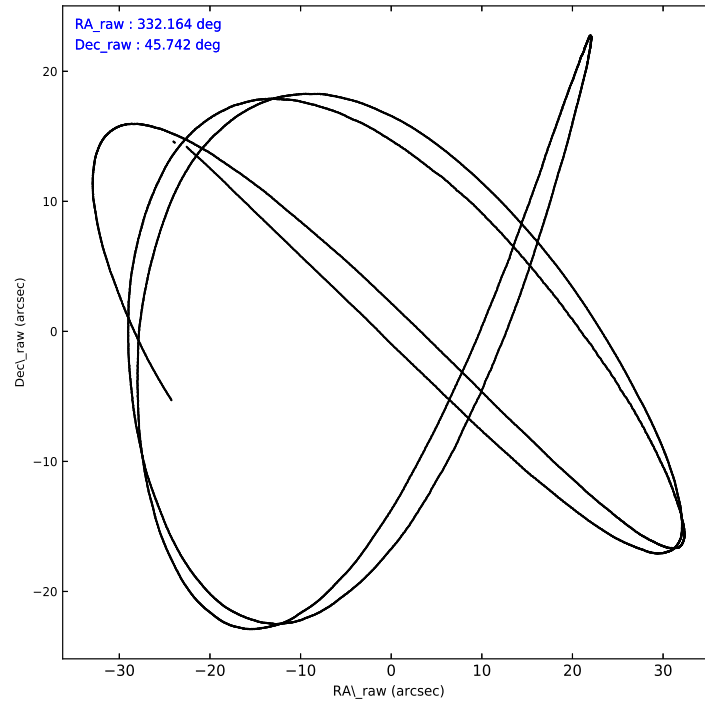
Level 1 Events

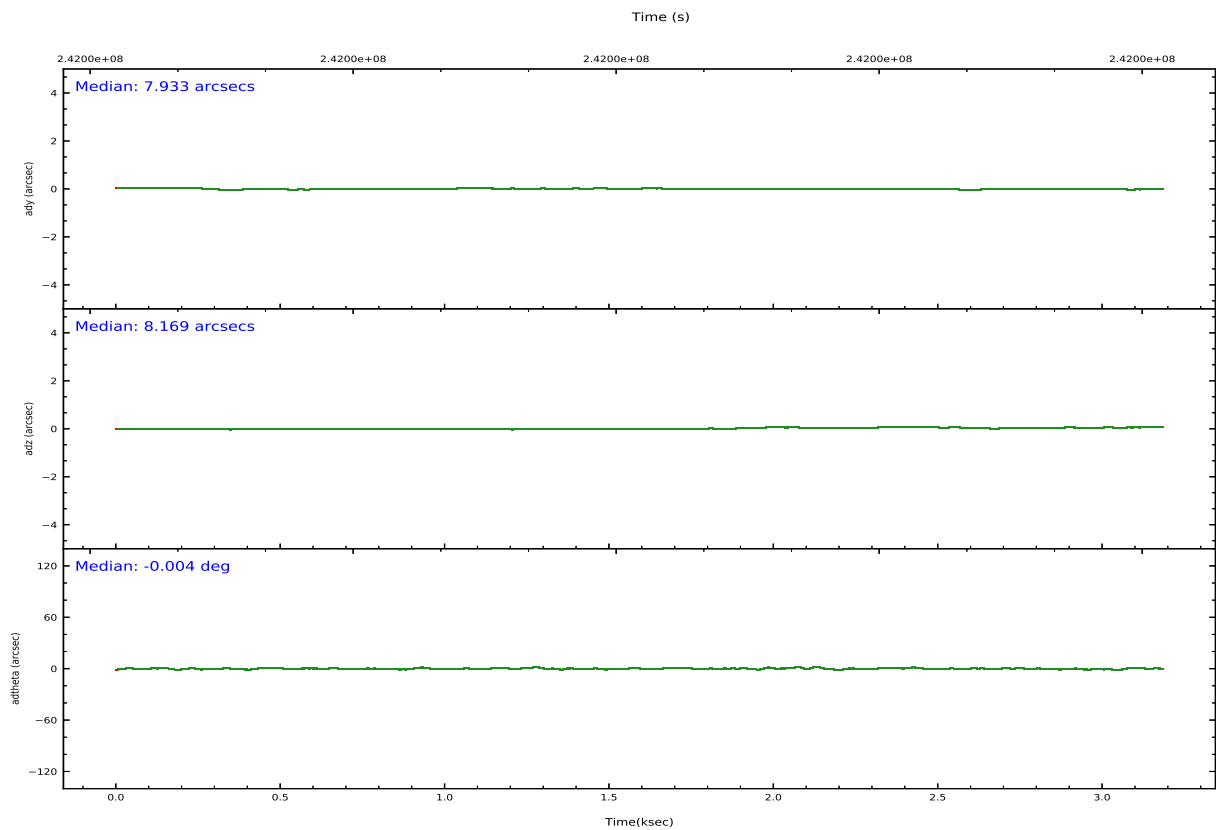
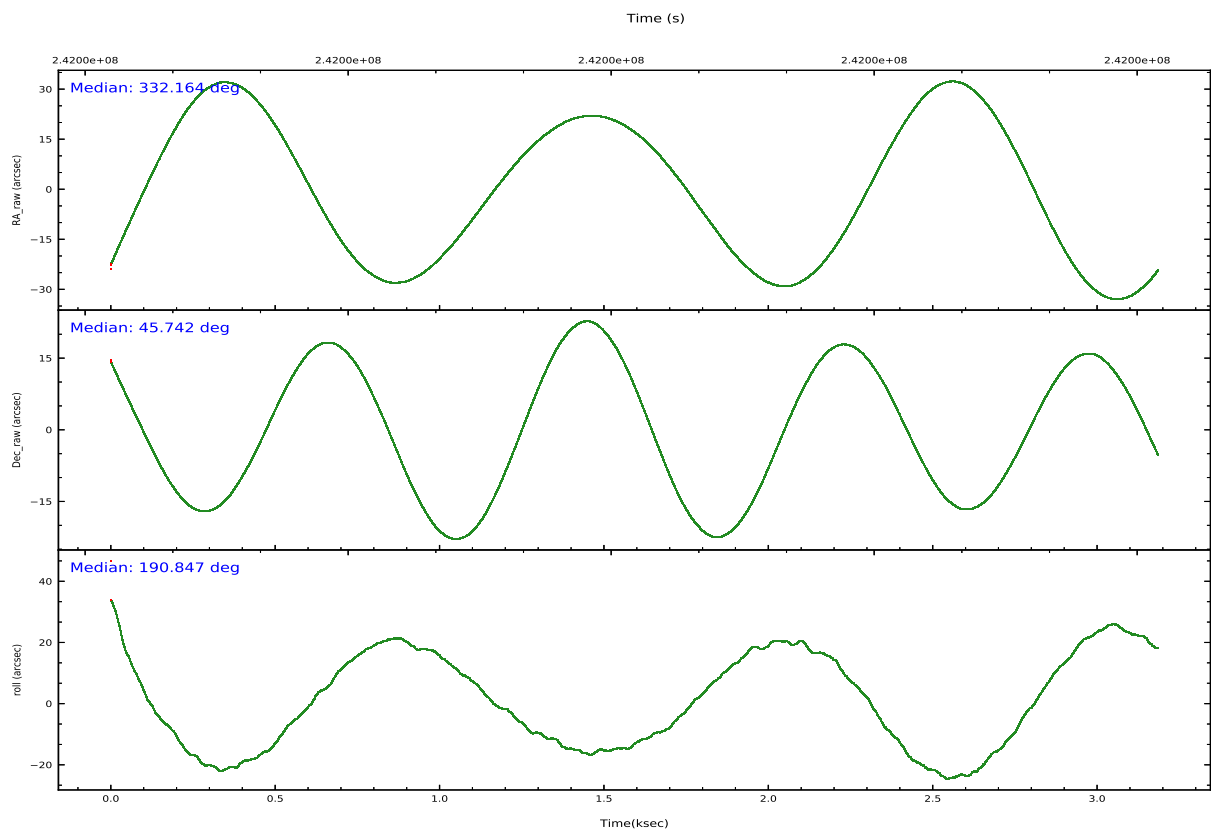
	segment 1	segment 2	segment 3
level 1 events	0	466009	0
rejected events	0	70519	0
rejected %	0%	15%	0%

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	332.193022	332.16605789167			
[deg] Pointing Dec	45.761306	45.744327273409			
[deg] Pointing Roll	190.761829	190.8471478184			
[s] Window start time (MET)	239241664.184000	239241664.184000			
[s] Window stop time (MET)	247104064.184000	247104064.184000			
[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)	241996264.184000	241995529.25833			
Observation start date	2005-09-01T21:10:00	2005-09-01T20:58:49			
[s] Observation end time (MET)	241999264.184000	241999398.6335			
Observation end date	2005-09-01T22:00:00	2005-09-01T22:03:18			

2.3 Aspect



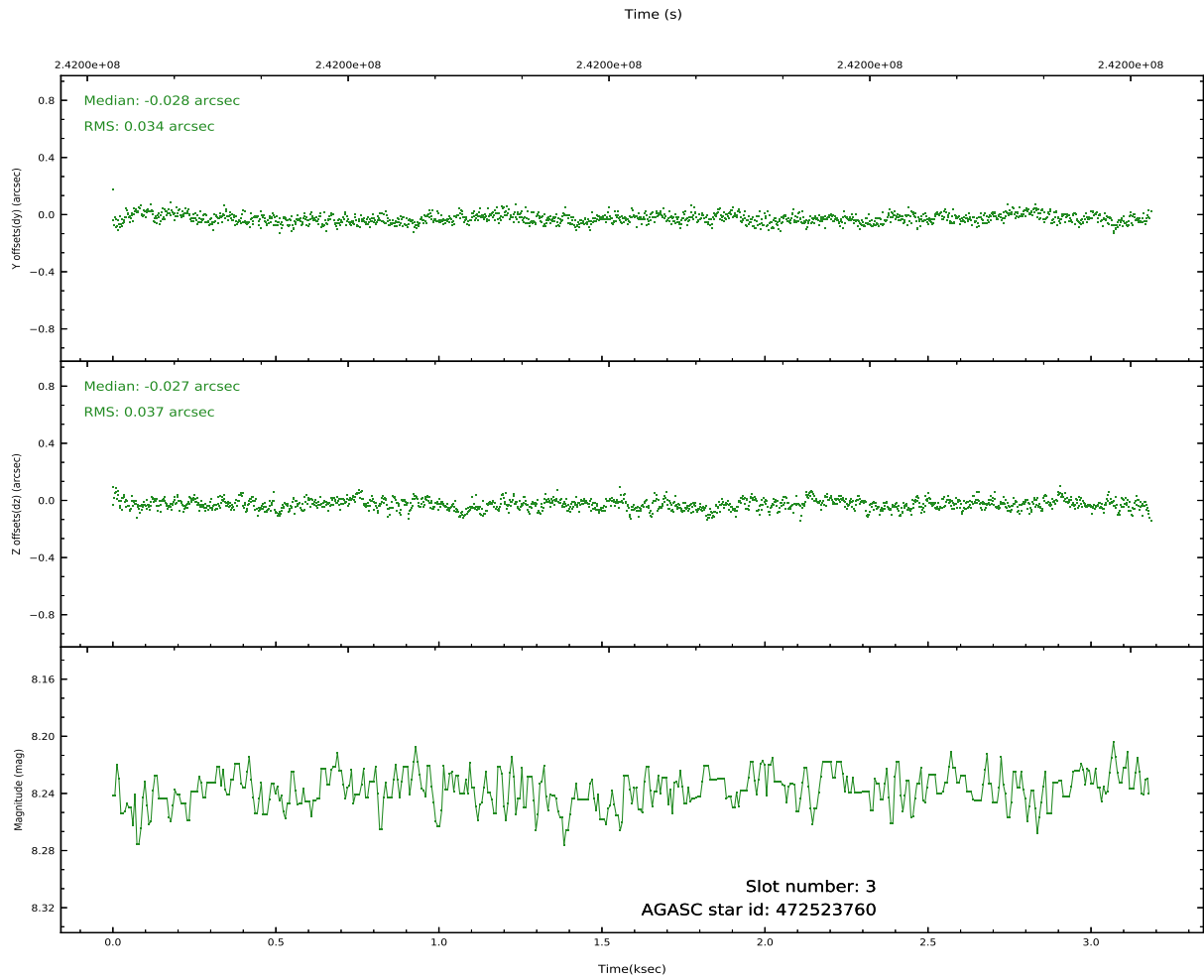
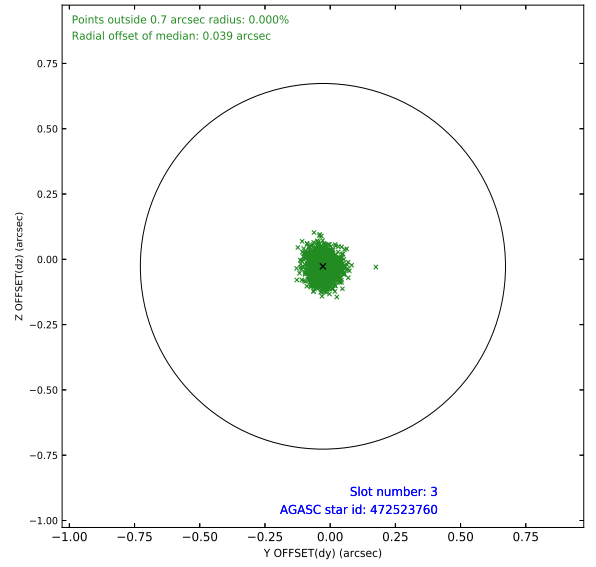
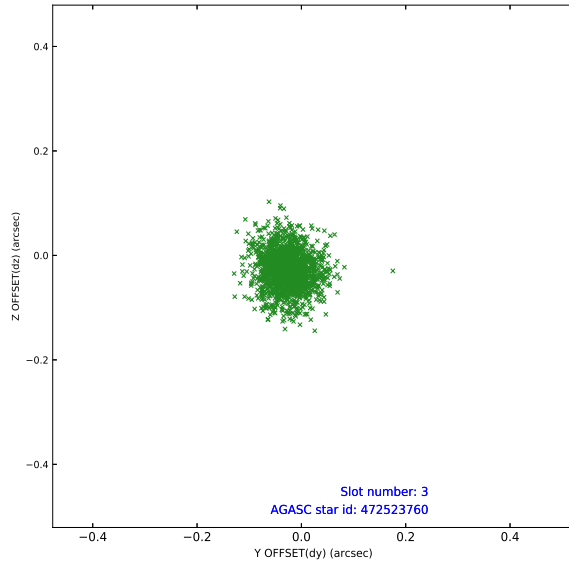


Slot Statistics

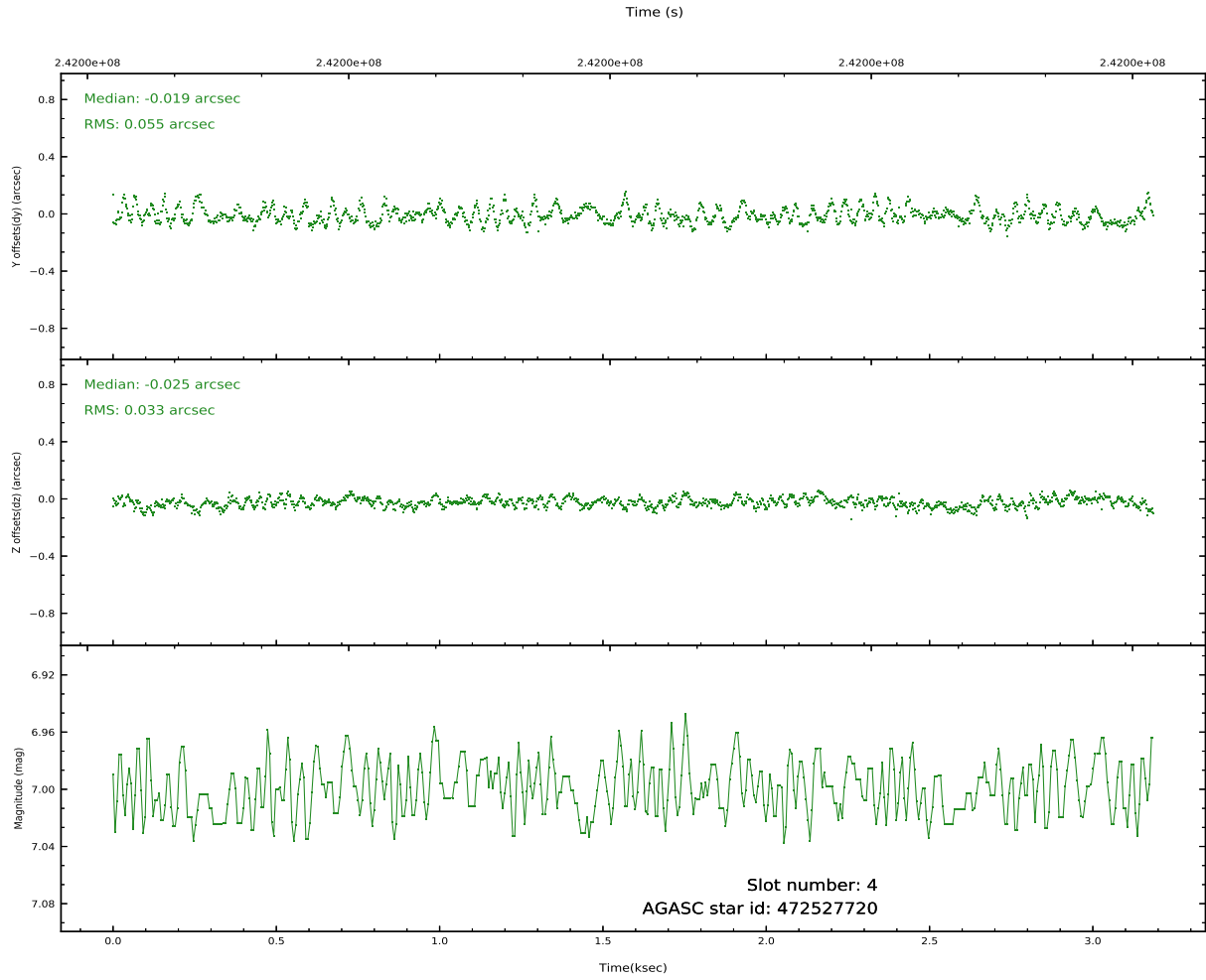
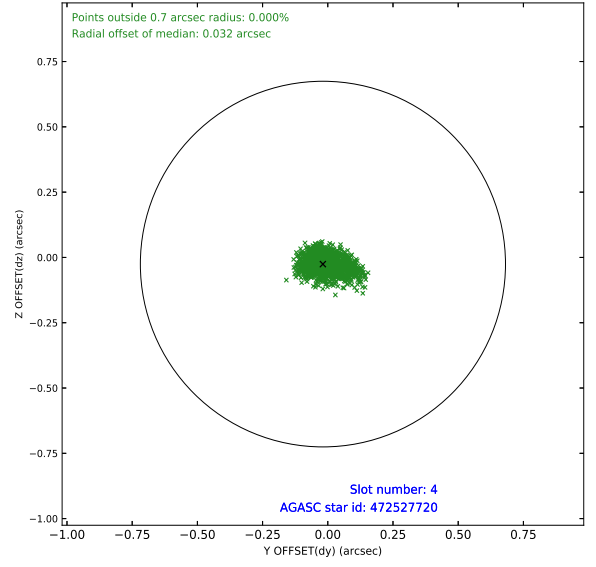
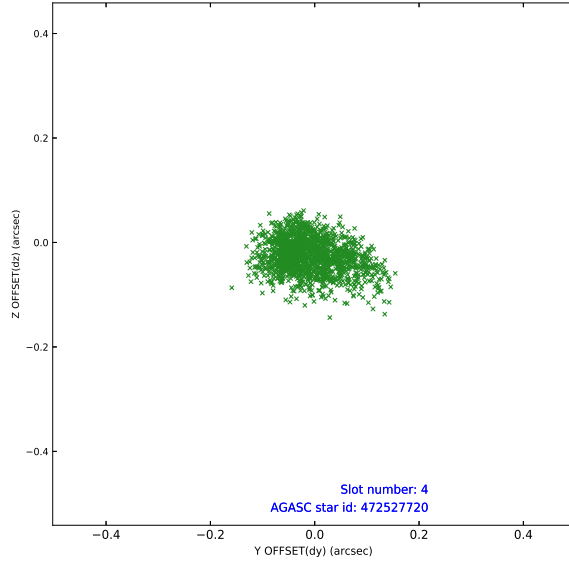
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-S-1	7.04	778	1.000	0.120	-0.144	0.008	0.012	0.000000	0.000000	-1162.11	-456
1	FID		HRC-S-2	7.03	778	1.000	0.180	-0.117	0.005	0.009	0.000000	0.000000	1236.13	-449
2	FID		HRC-S-3	7.04	778	1.000	0.091	-0.041	0.007	0.012	0.000000	0.000000	-1163.29	572
3	GUIDE	used	472523760	8.24	1553	1.000	-0.028	-0.027	0.052	0.087	331.645363	45.403260	1600.27	1003
4	GUIDE	used	472527720	7.00	1555	1.000	-0.019	-0.025	0.065	0.118	331.460205	45.112509	2264.96	1939
5	GUIDE	used	472535576	7.86	1555	1.000	-0.136	0.092	0.062	0.100	331.438373	46.291802	1488.22	-2233
6	GUIDE	used	472665256	9.00	1553	1.000	0.183	-0.018	0.082	0.130	332.808125	46.195041	-1796.59	-1255
7	GUIDE	used	472533912	9.16	1552	1.000	-0.013	-0.015	0.102	0.167	331.791136	46.368695	571.79	-2337

2.4 Star Slots

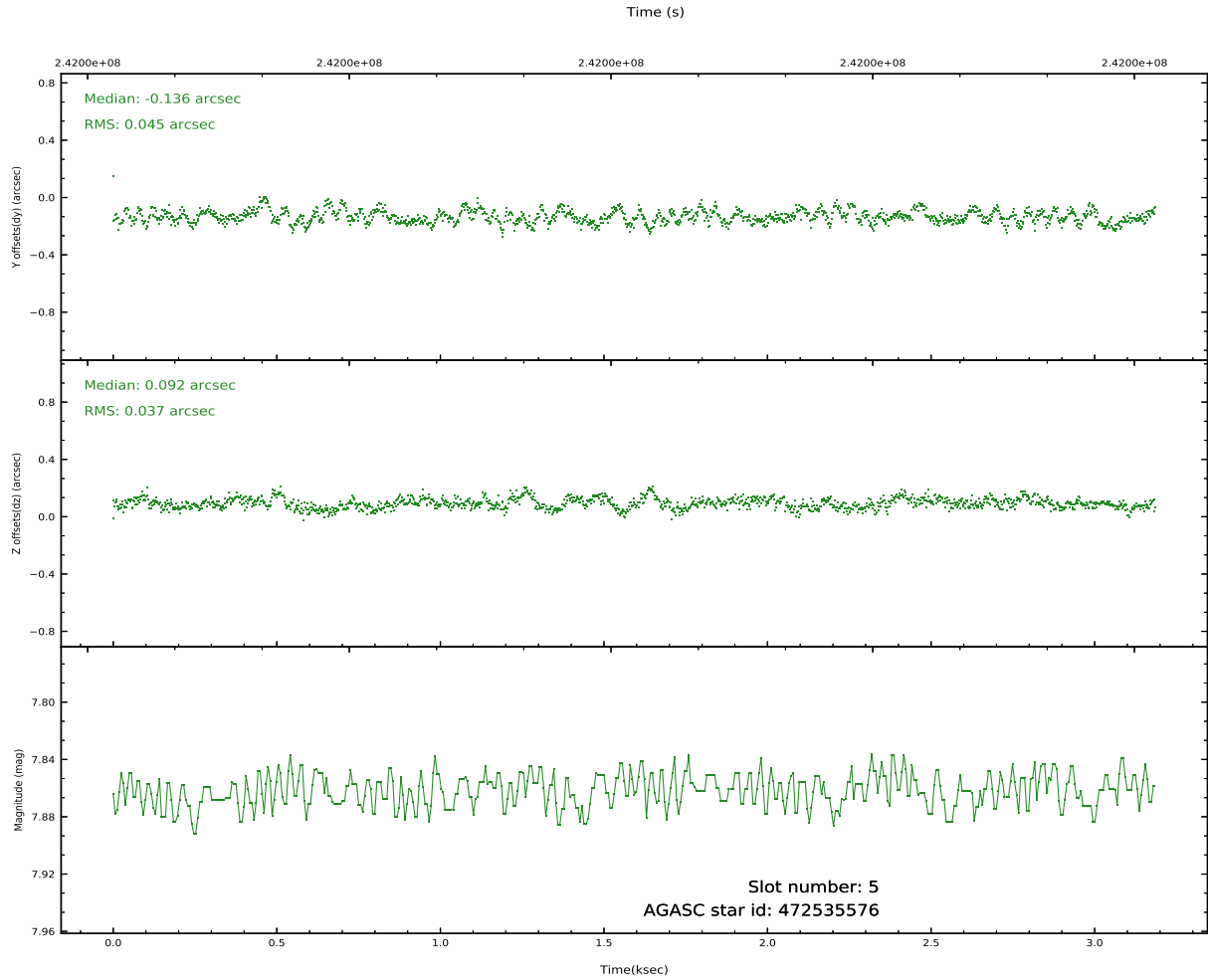
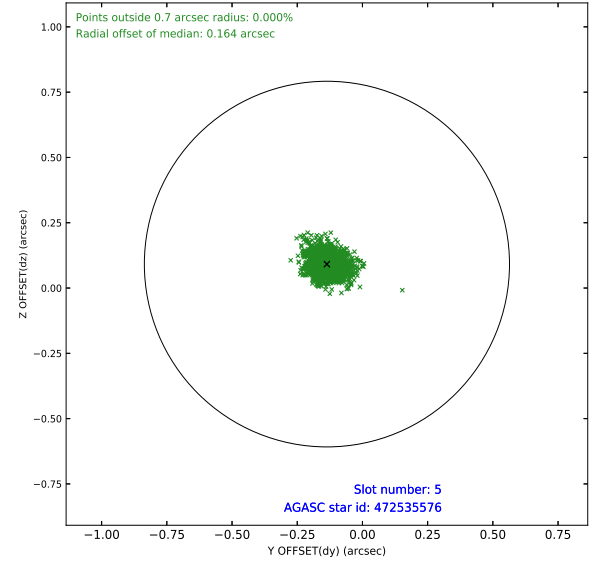
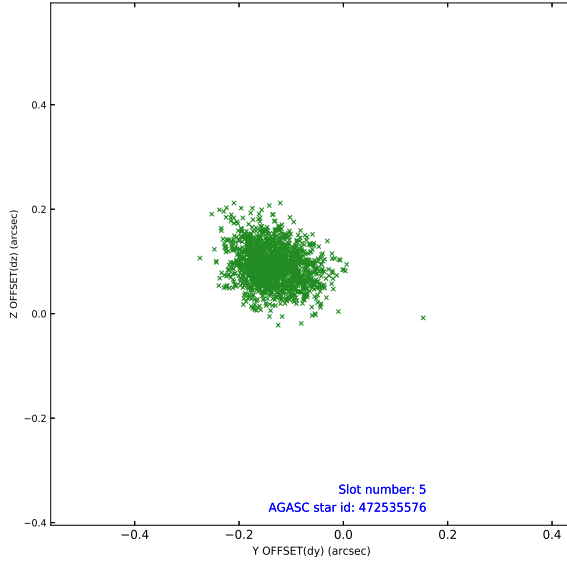
2.4.1 Slot 3



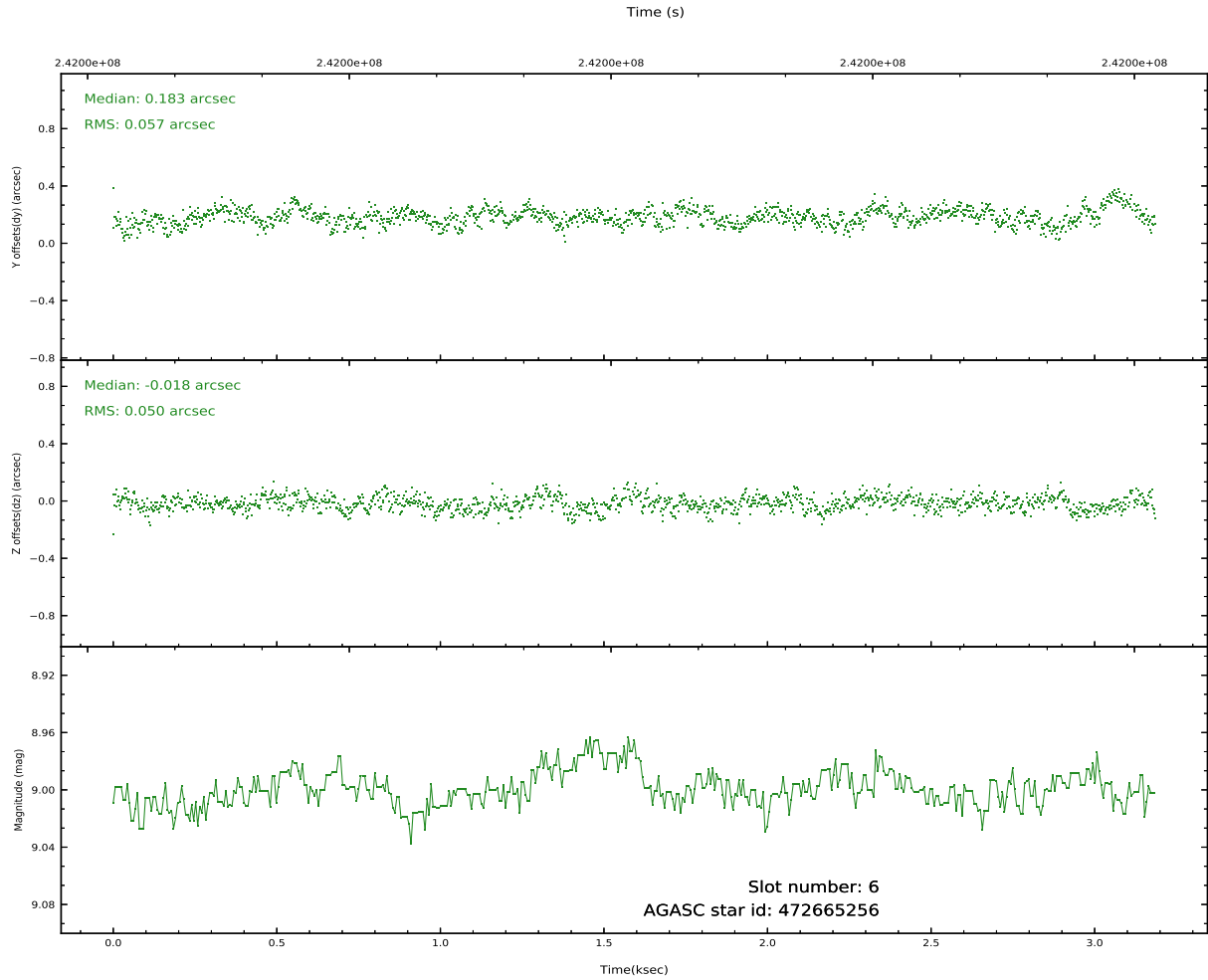
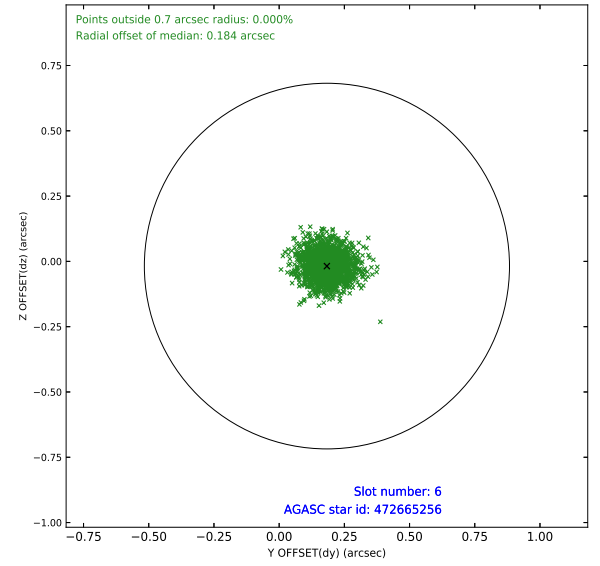
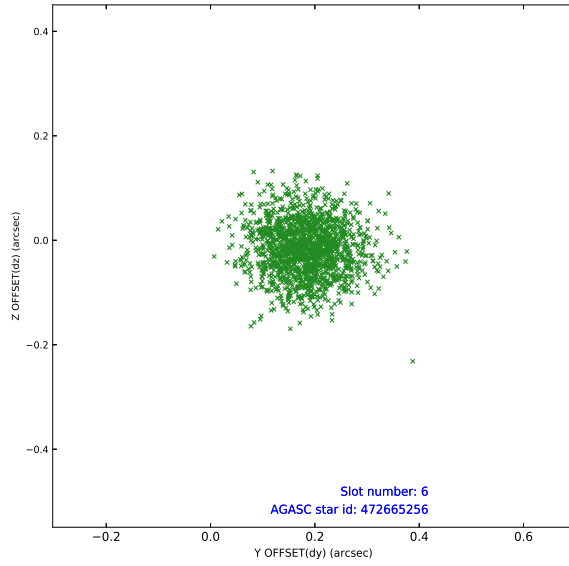
2.4.2 Slot 4



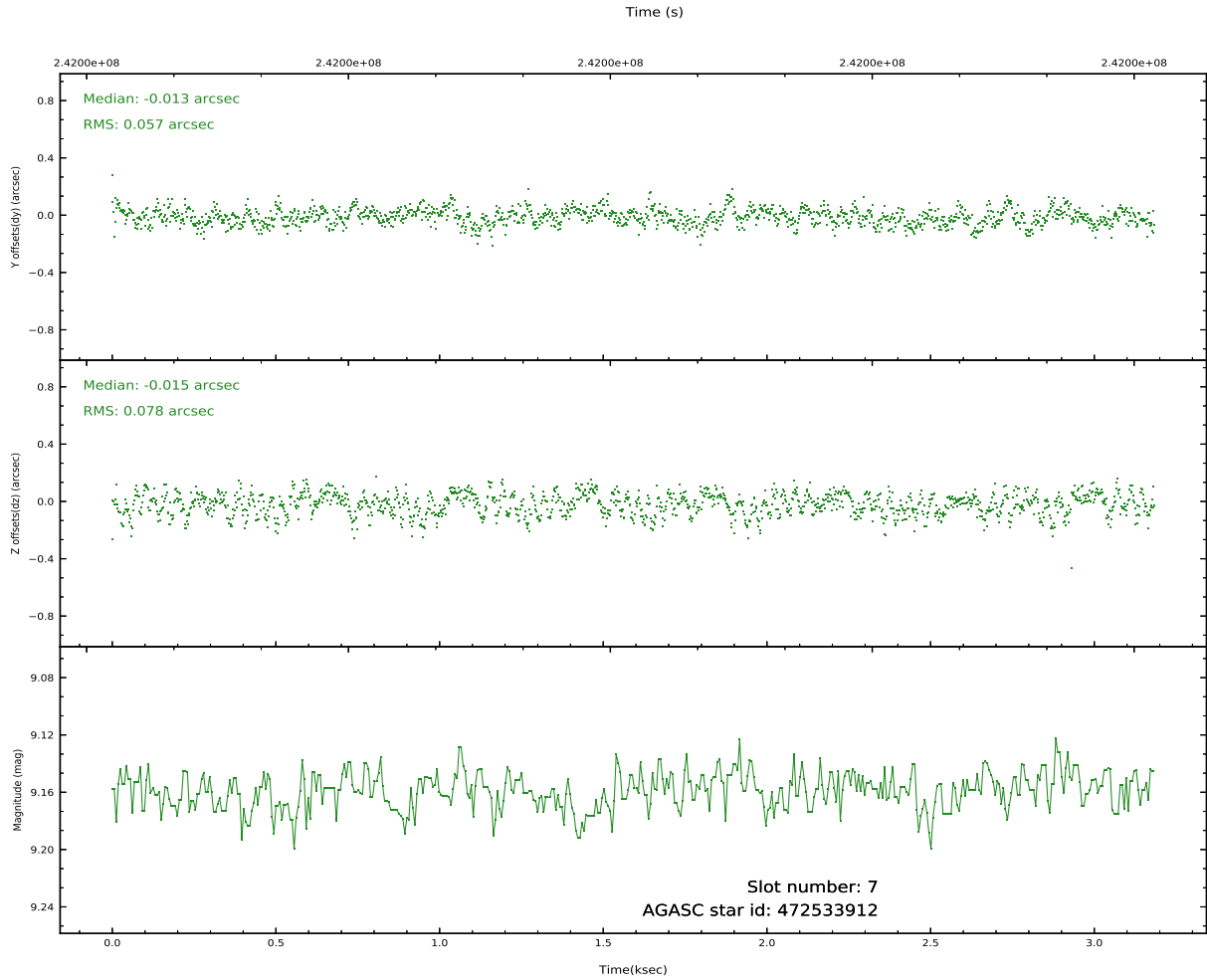
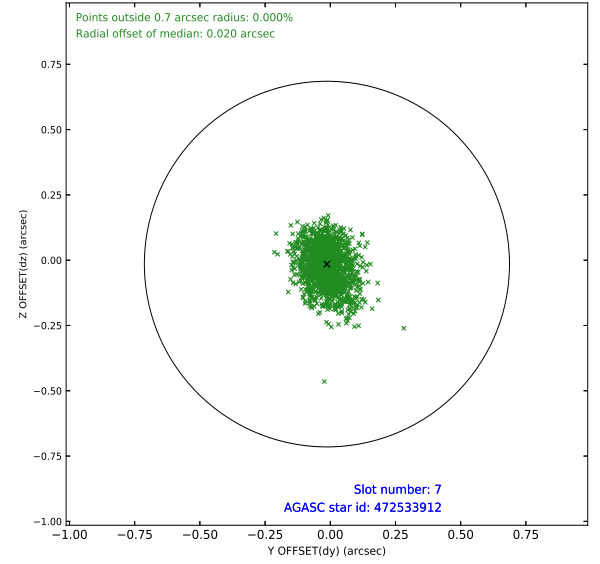
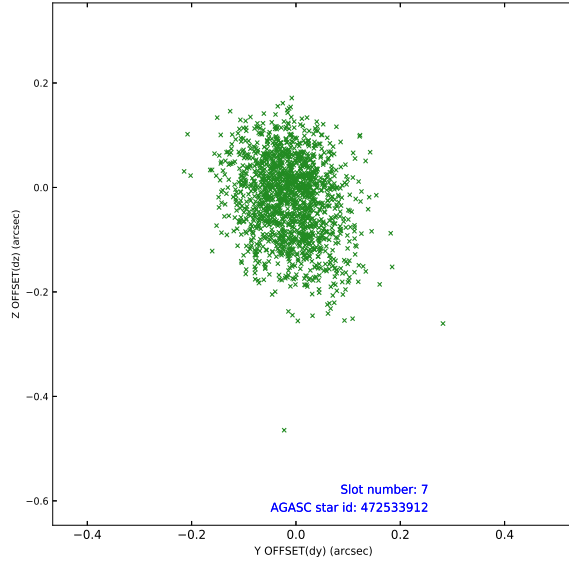
2.4.3 Slot 5



2.4.4 Slot 6

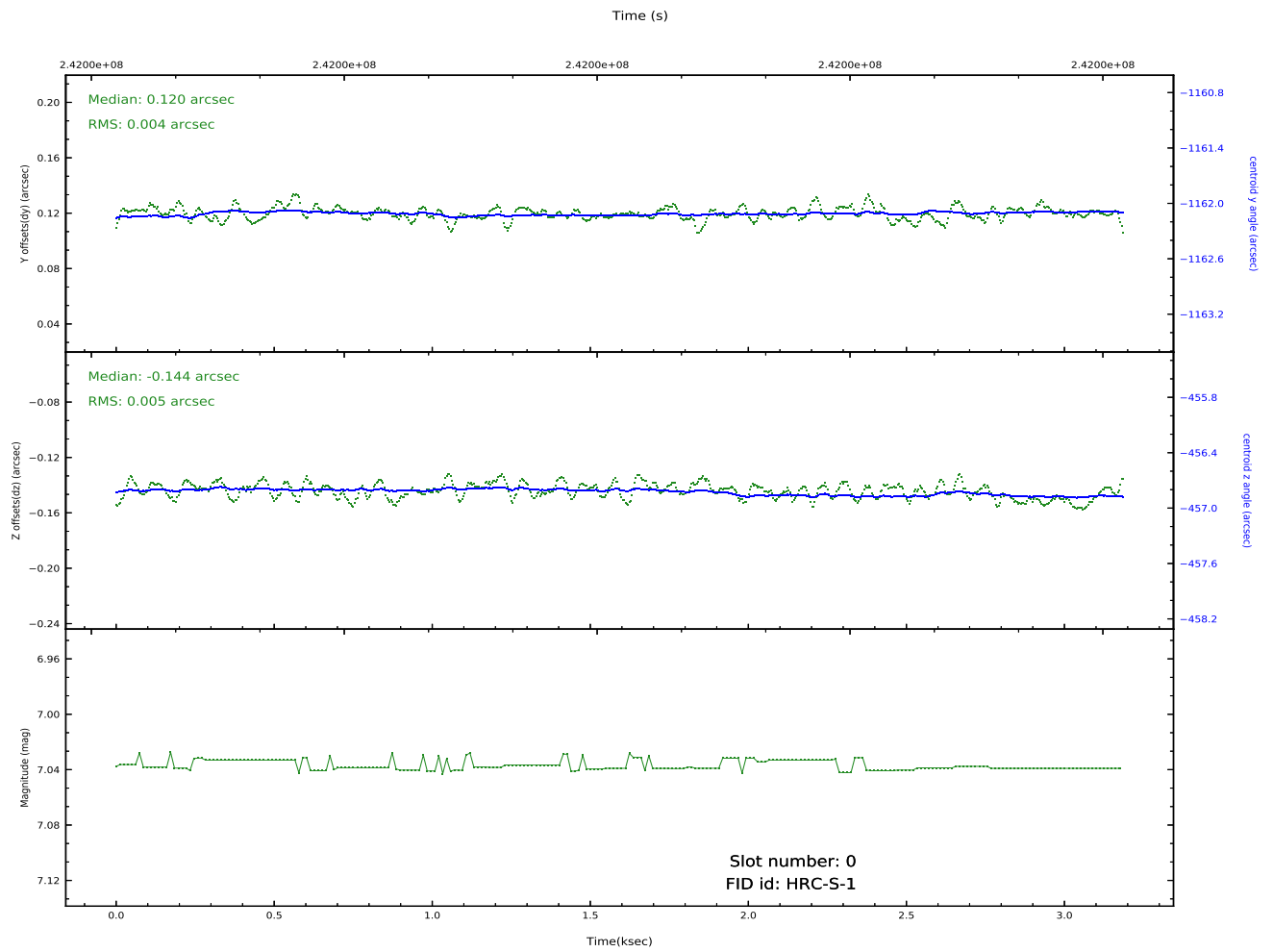
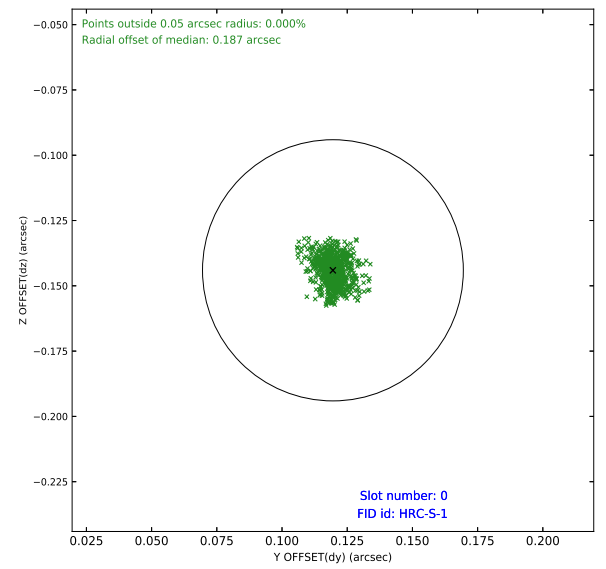
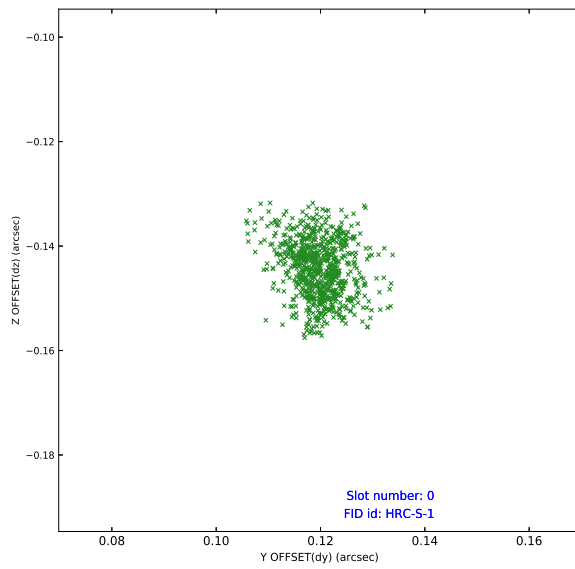


2.4.5 Slot 7

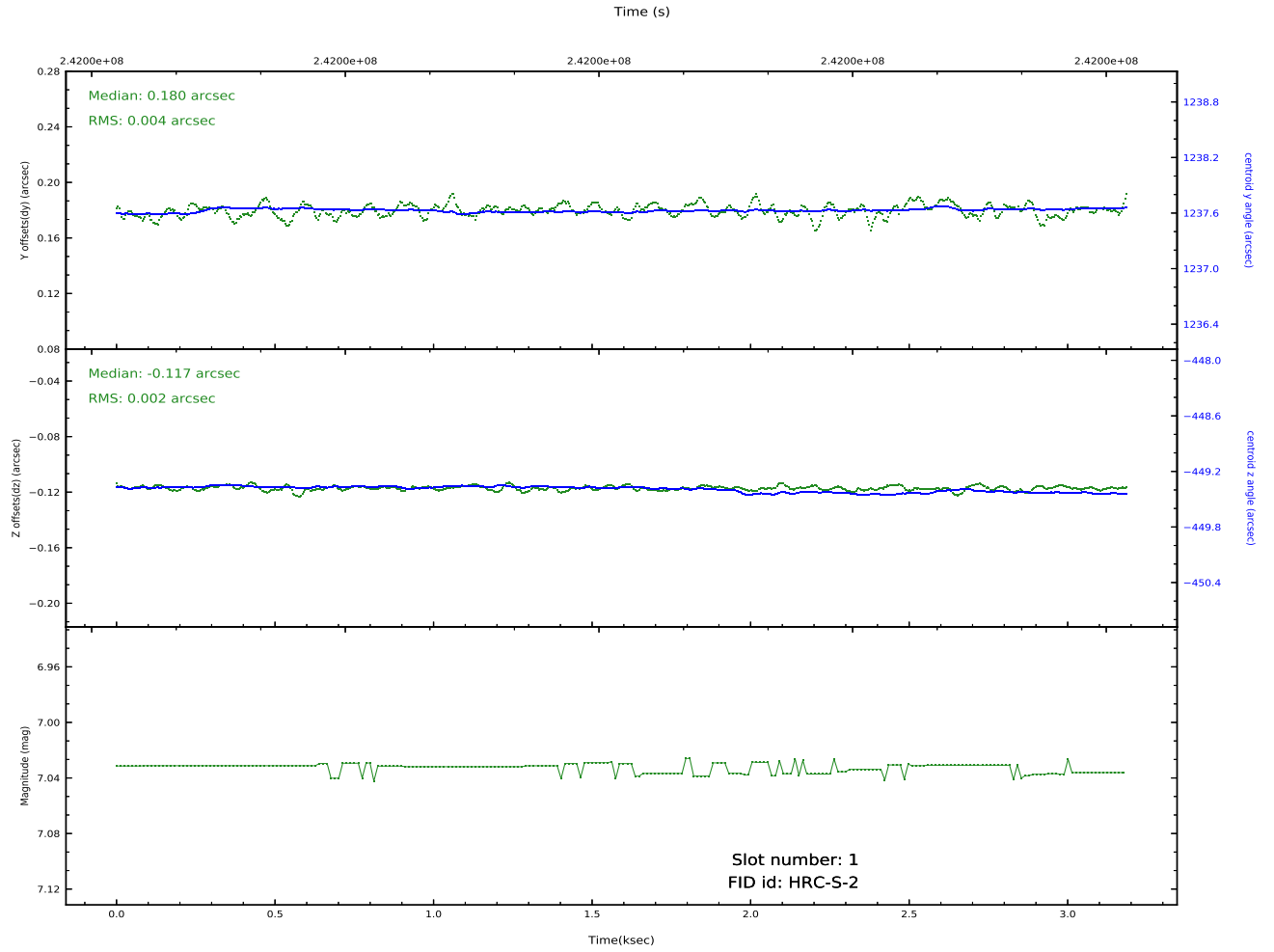
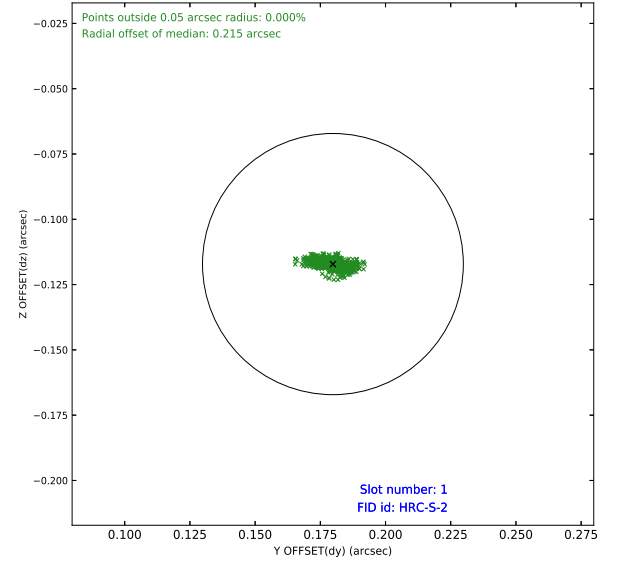
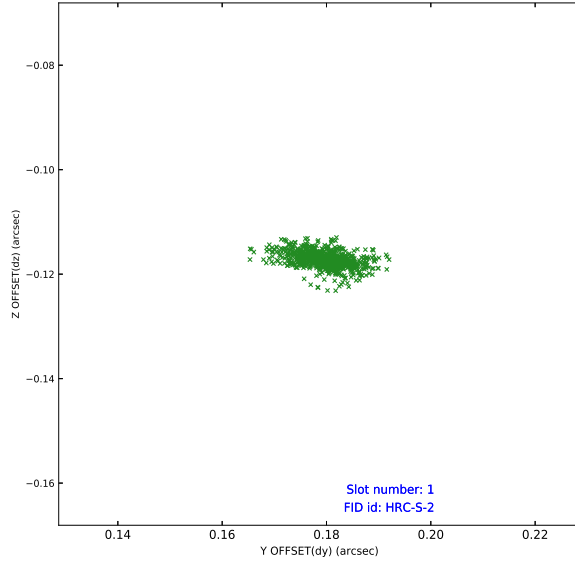


2.5 FID Slots

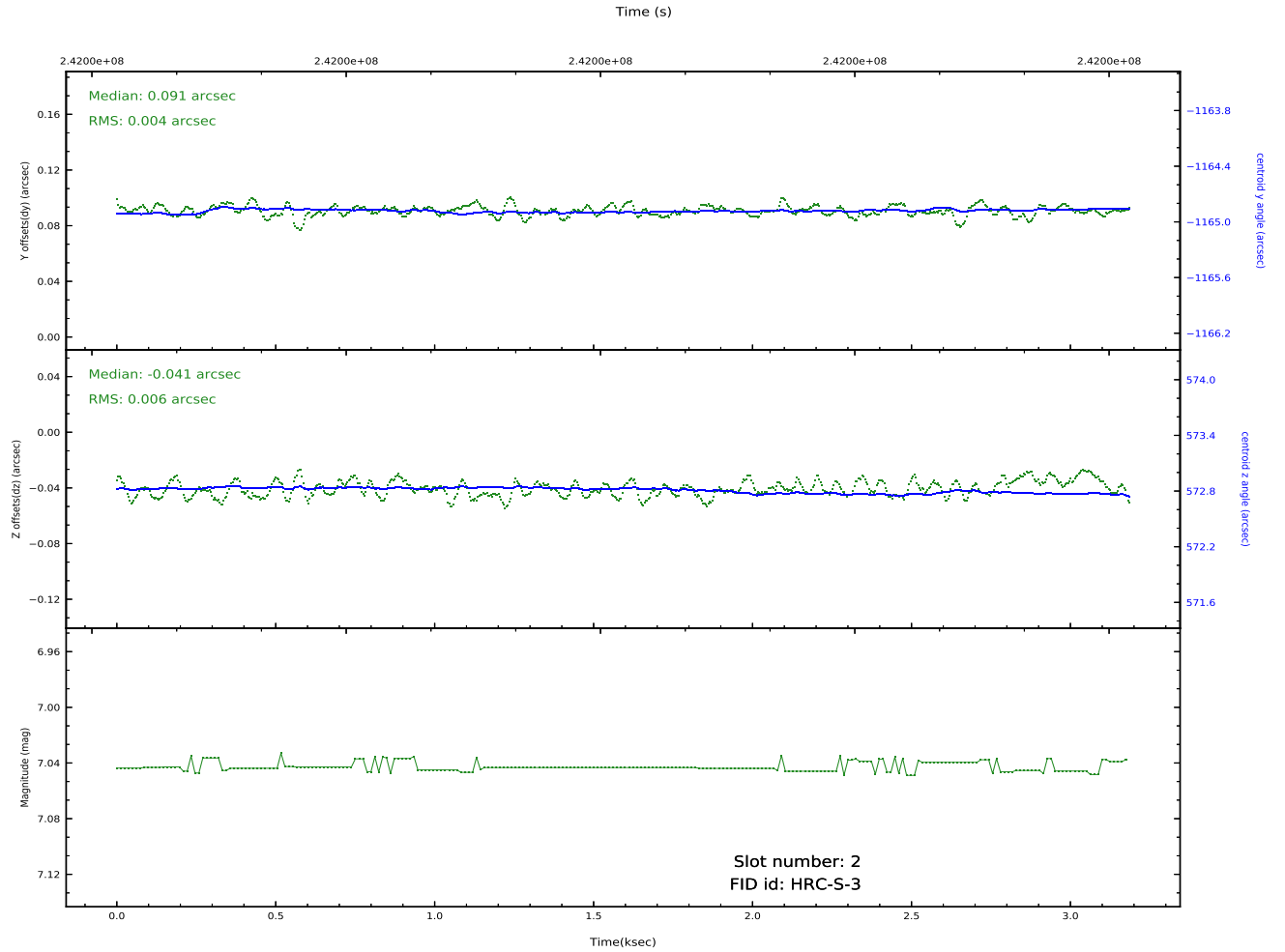
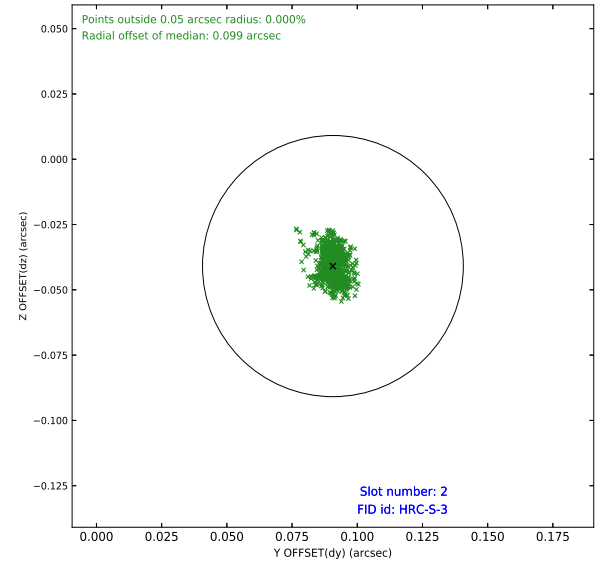
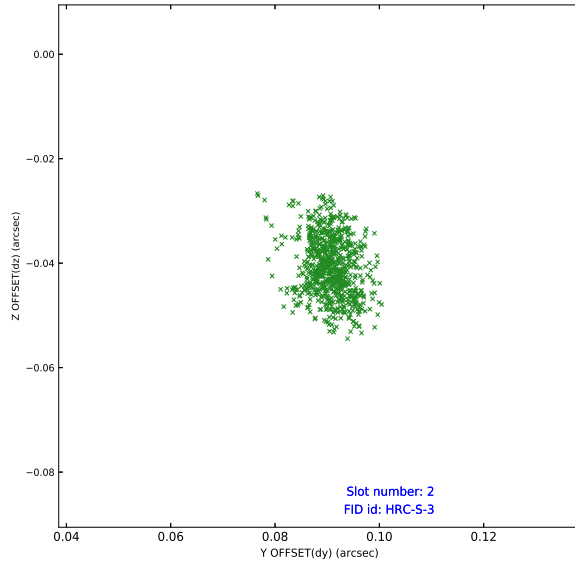
2.5.1 Slot 0



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)	2020.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.184931

A.2 Comments

Window constraint met.