

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6133 - L2 Version 5
Chandra X-Ray Center

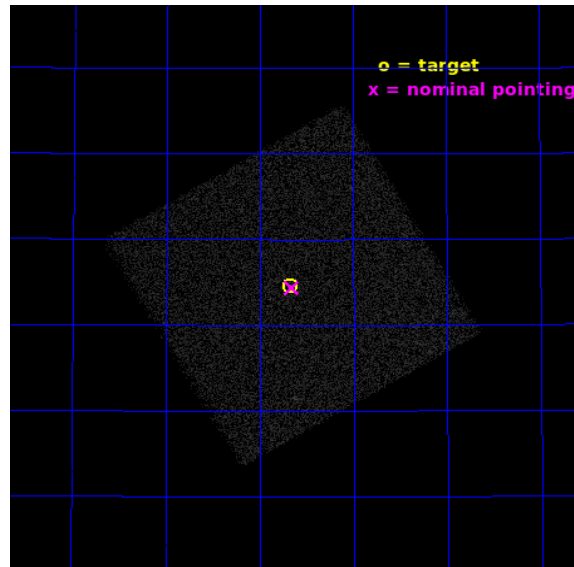
L2 Processing Date : Oct 5 2020

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1 Front

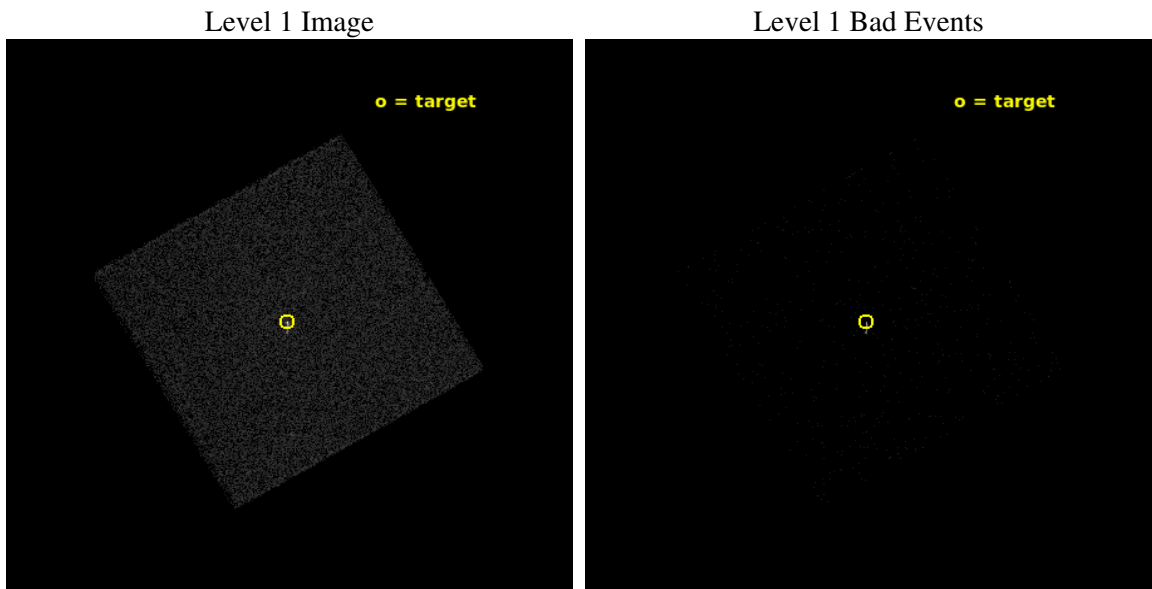
seq_num	290534	Sequence number
obs_id	6133	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16434985214	Nominal RA [deg]
dec_nom	45.73967674947	Nominal Dec [deg]
roll_nom	284.67233001545	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1083.681298703	[s]
livetime	1075.8982671009	Ontime multiplied by DTCOR
l2events	44020	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	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1083.681298703	[s]
caldbver	4.9.2	 	l1events	82136	Number of level 1 events
date	2020-10-05T07:09:24	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

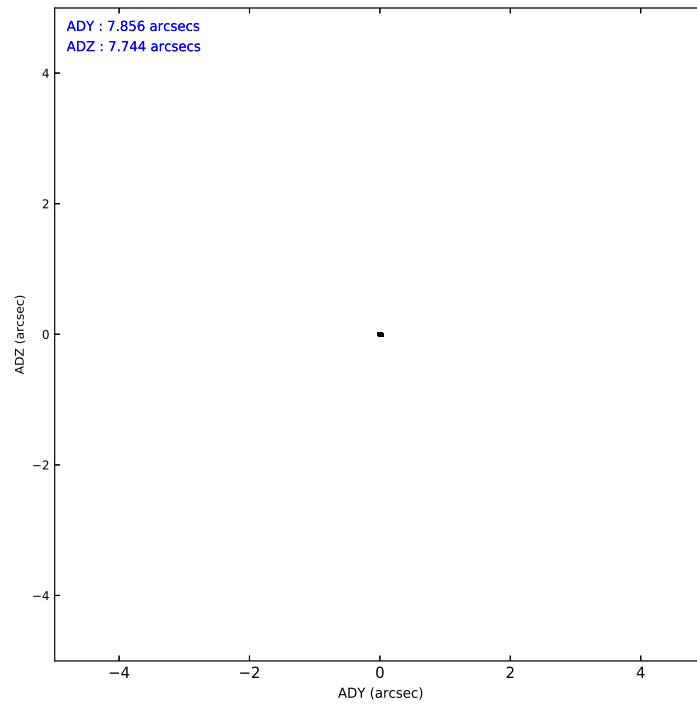
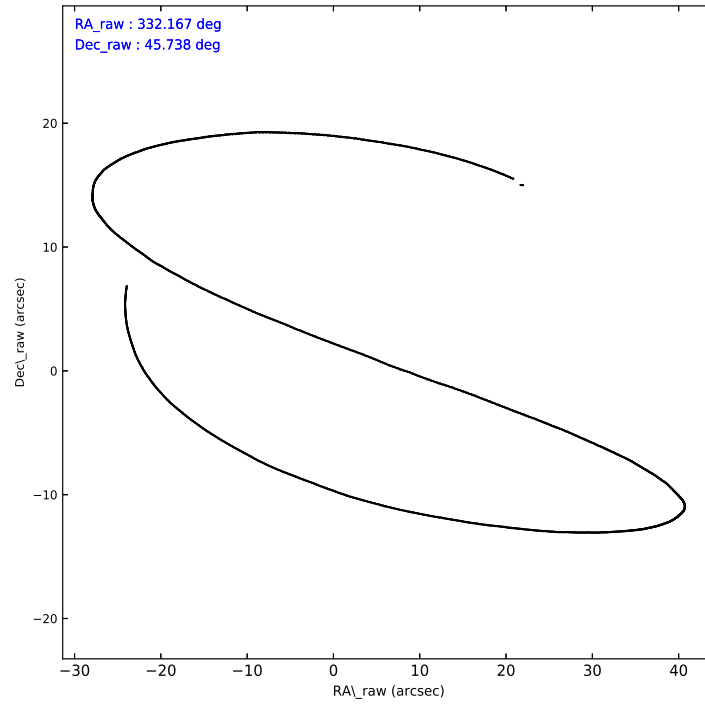
	segment 0
level 1 events	82136
rejected events	19013
rejected %	23%

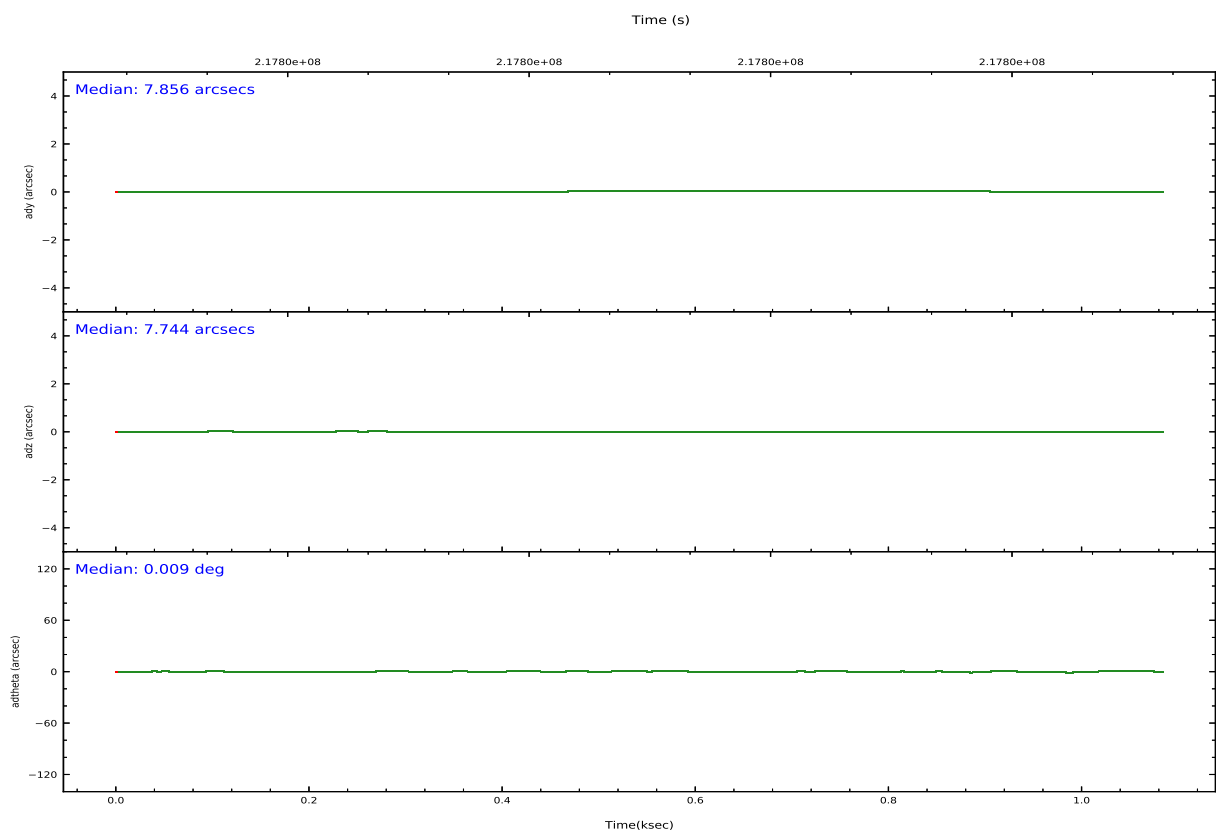
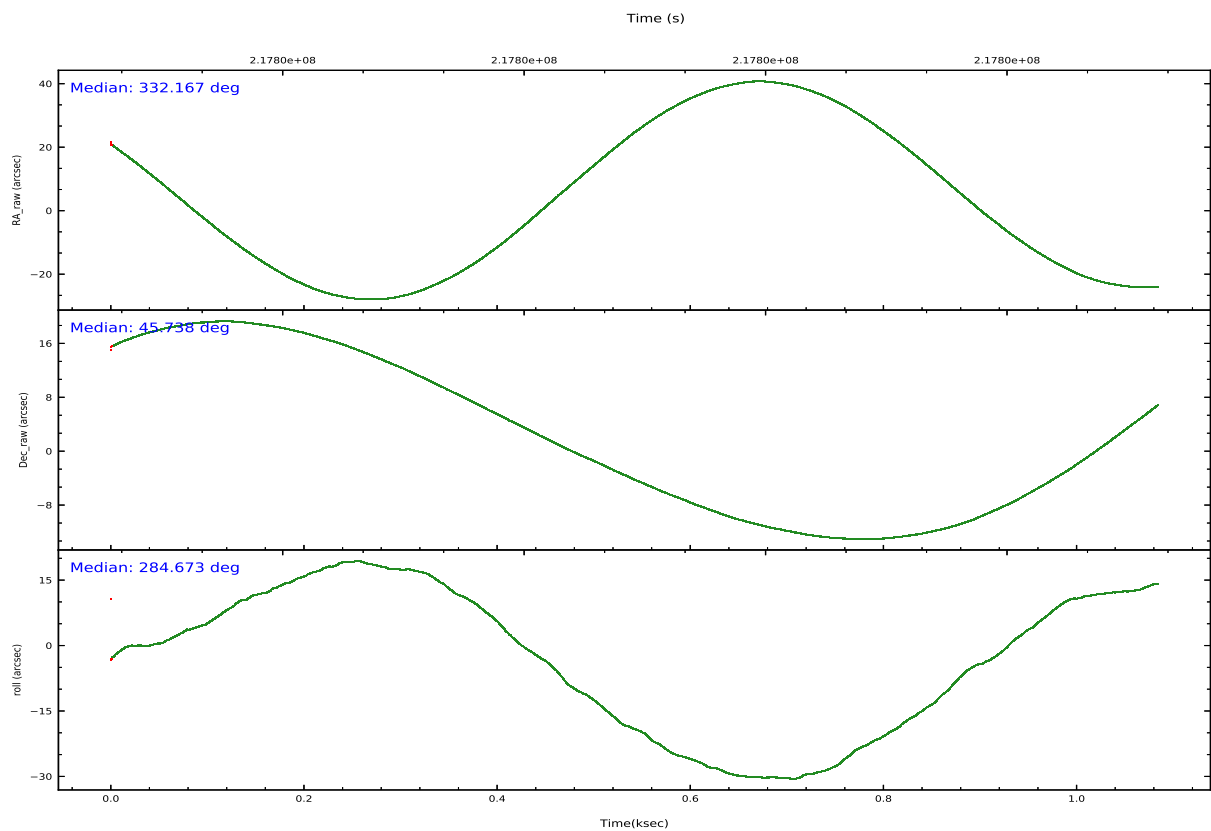
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.141221	332.16434985214
[deg] Pointing Dec	45.756996	45.73967674947
[deg] Pointing Roll	284.803802	284.67233001545
[s] Window start time (MET)	210384064.184000	210384064.184000
[s] Window stop time (MET)	220838464.184000	220838464.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	217804257.184000	217803880.98404
Observation start date	2004-11-25T21:09:53	2004-11-25T21:04:40
[s] Observation end time (MET)	217805157.184000	217805291.3841
Observation end date	2004-11-25T21:24:53	2004-11-25T21:28:11

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

2.3 Aspect



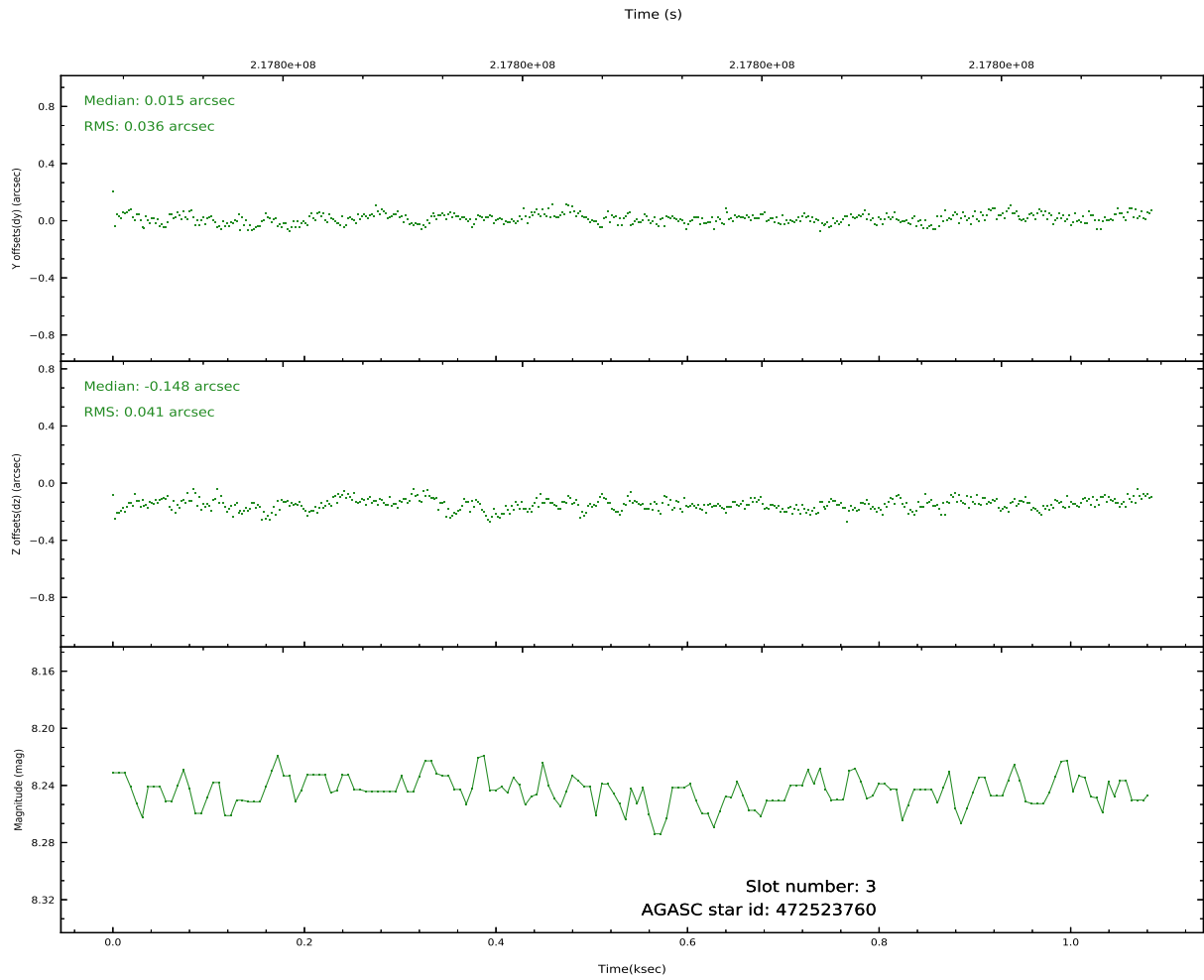
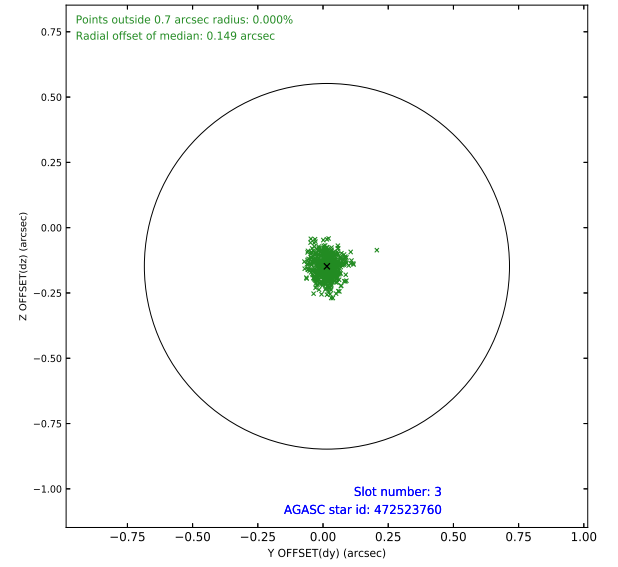
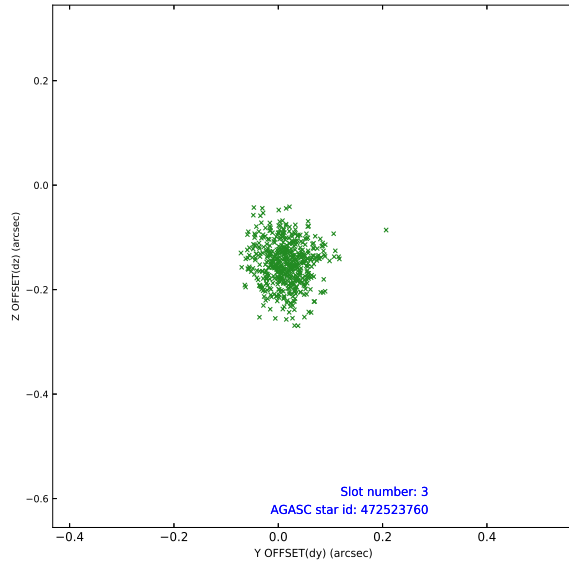


Slot Statistics

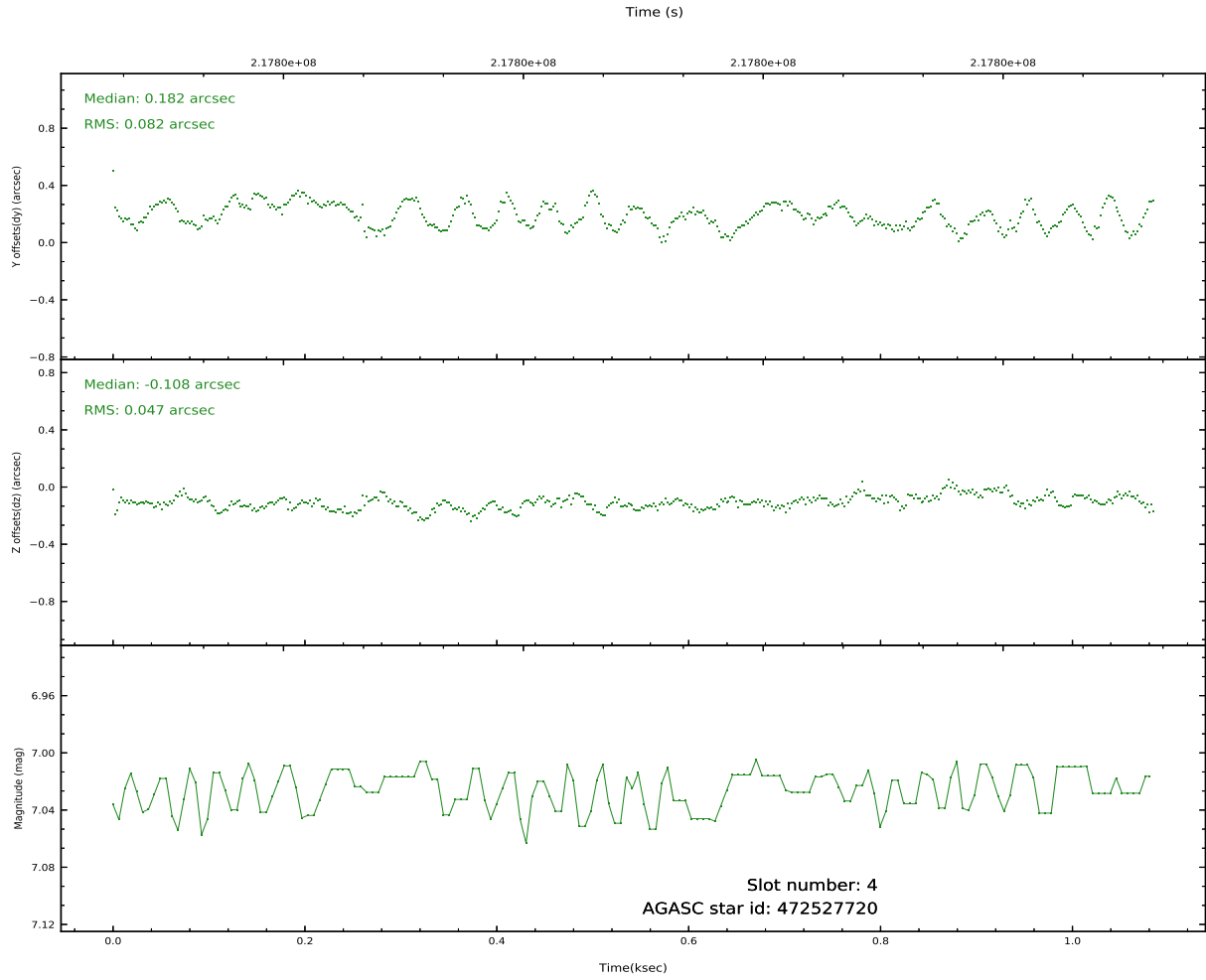
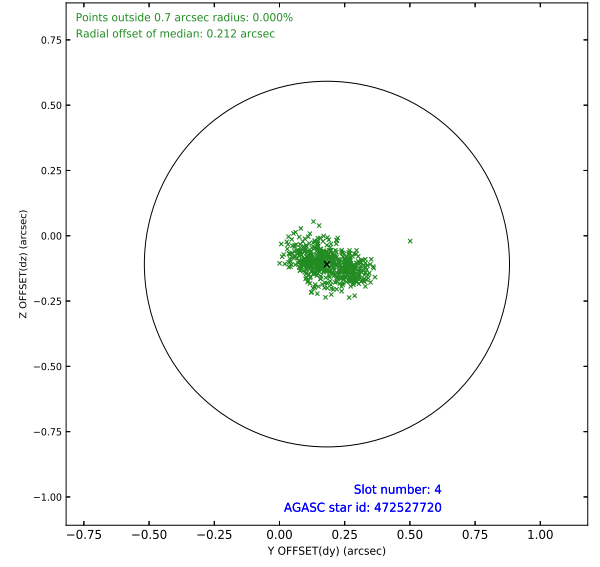
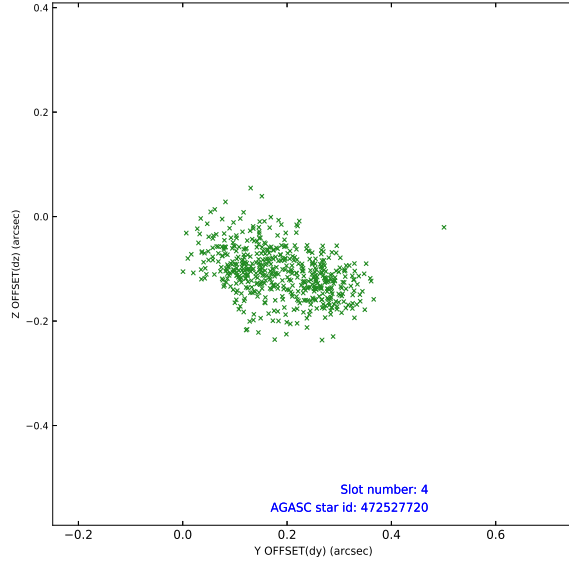
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	265	1.000	-0.017	0.017	0.007	0.011	0.000000	0.000000	-763.50	-1295
1	FID		HRC-I-2	7.04	265	1.000	0.172	-0.128	0.007	0.011	0.000000	0.000000	846.44	-1302
2	FID		HRC-I-3	7.09	265	1.000	-0.037	0.022	0.005	0.010	0.000000	0.000000	-1188.80	1004
3	GUIDE	used	472523760	8.24	530	1.000	0.015	-0.148	0.059	0.093	331.645363	45.403260	907.73	-1533
4	GUIDE	used	472527720	7.02	530	1.000	0.182	-0.108	0.101	0.161	331.460205	45.112509	1796.55	-2264
5	GUIDE	used	472655152	9.43	530	1.000	0.026	0.107	0.105	0.193	332.504239	45.862991	-134.76	976
6	GUIDE	used	472659832	9.45	530	1.000	-0.104	0.075	0.114	0.195	332.780399	46.098139	-786.18	1862
7	GUIDE	used	472533912	9.16	529	1.000	-0.124	0.073	0.079	0.127	331.791136	46.368695	-2354.38	-272

2.4 Star Slots

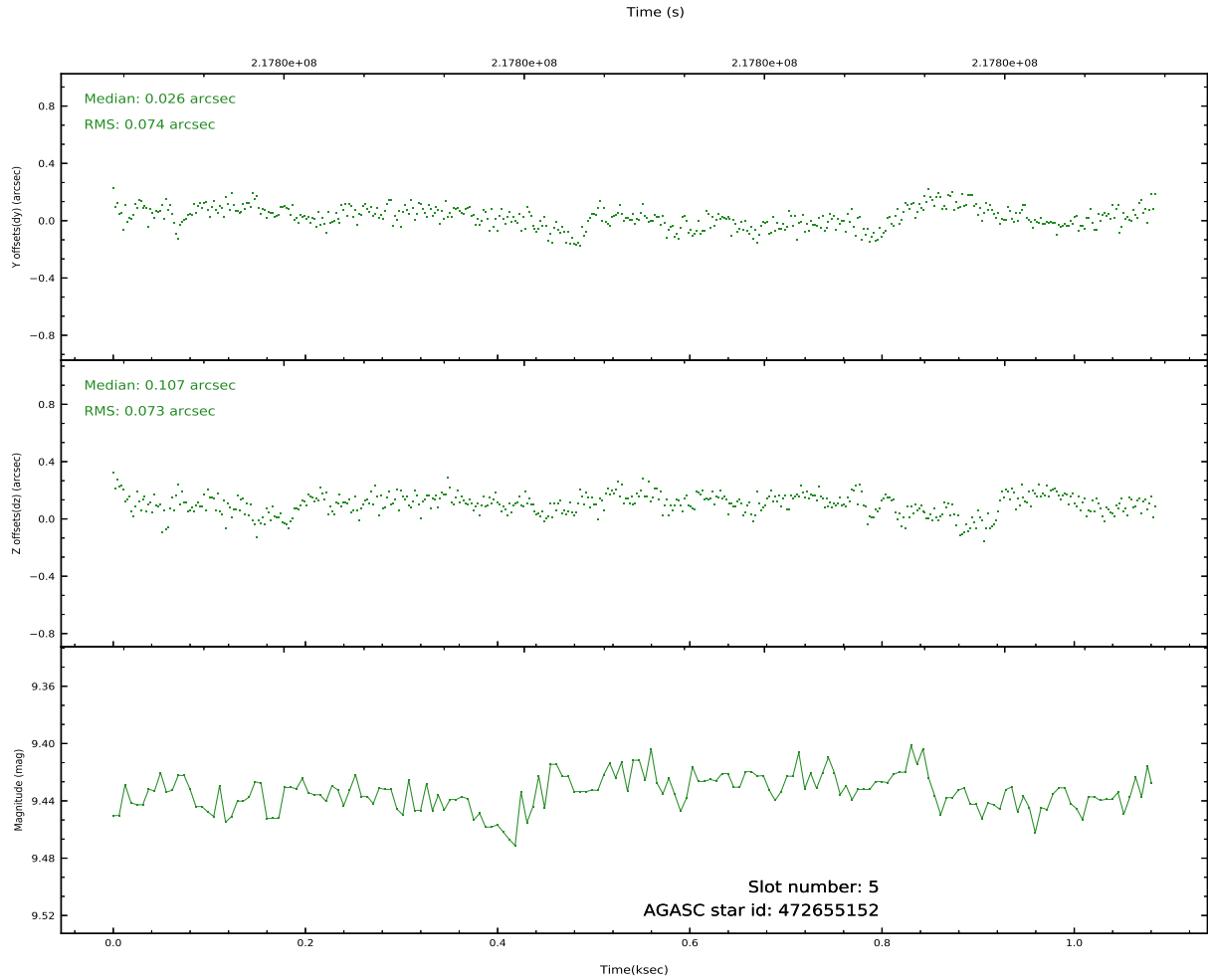
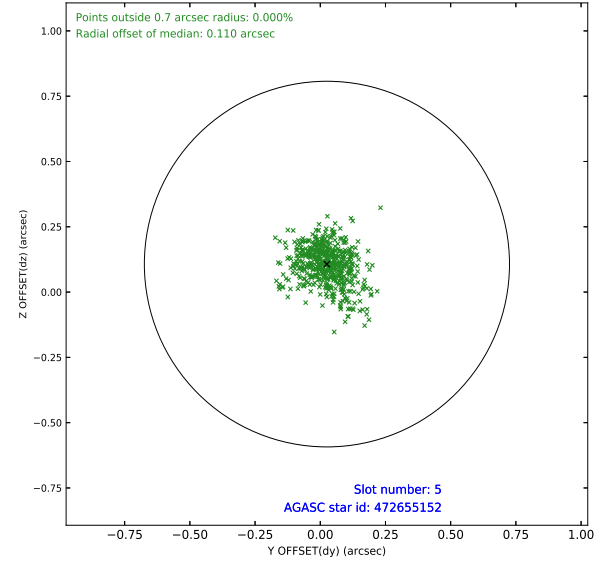
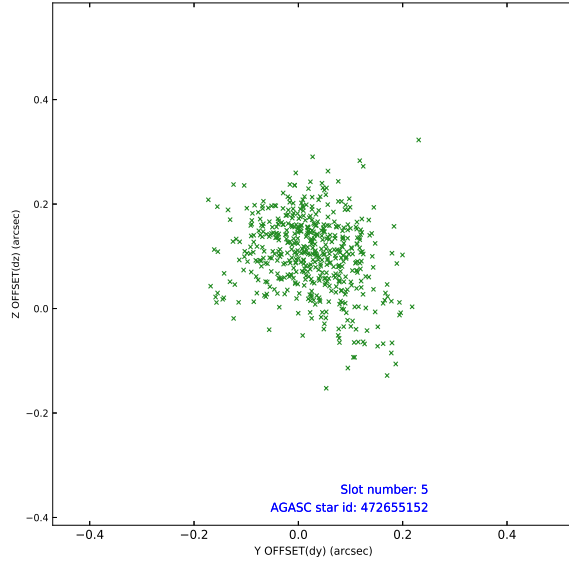
2.4.1 Slot 3



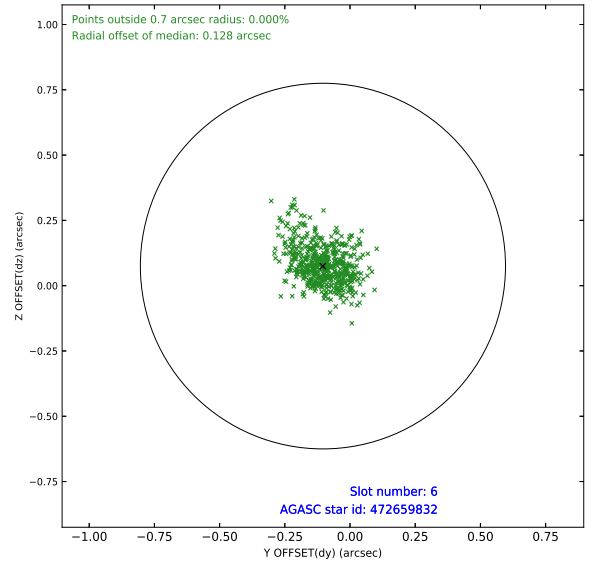
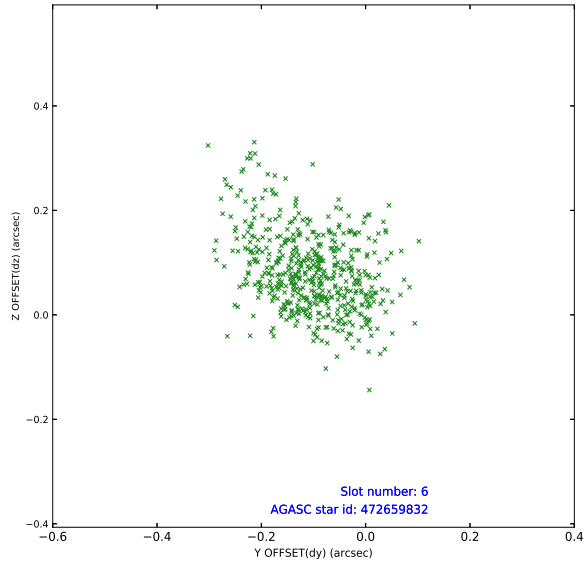
2.4.2 Slot 4



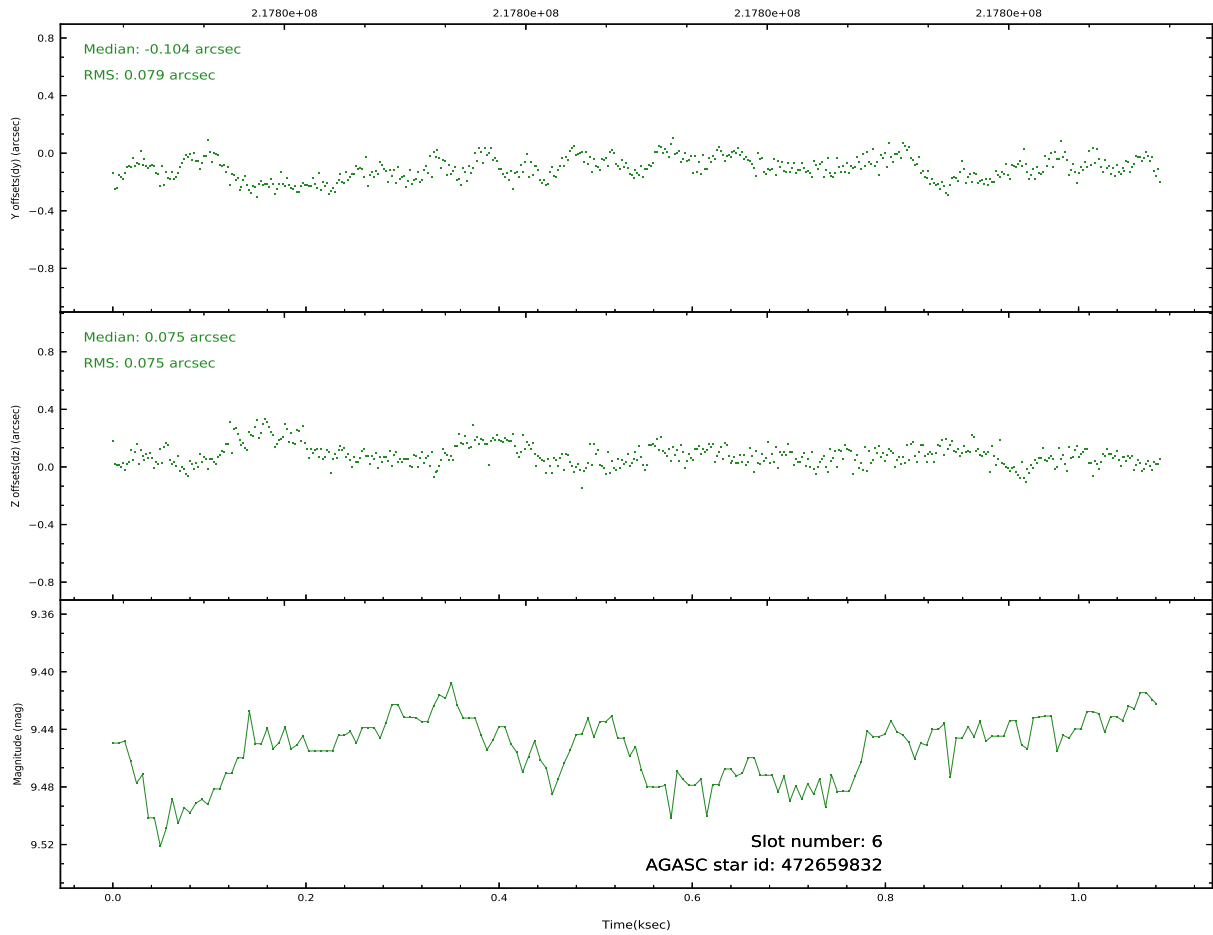
2.4.3 Slot 5



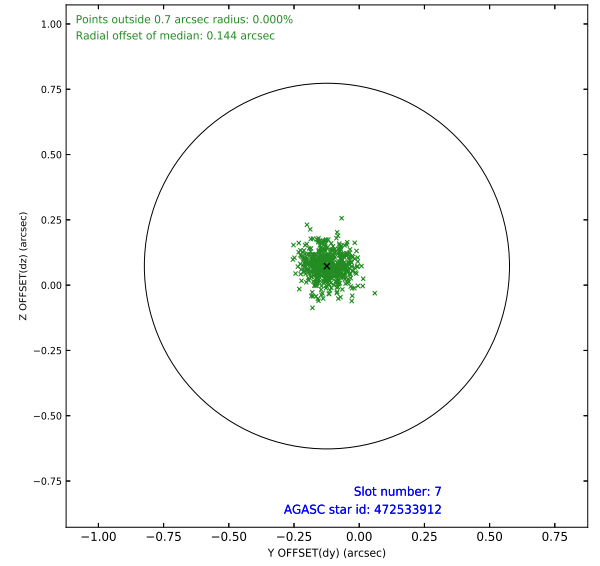
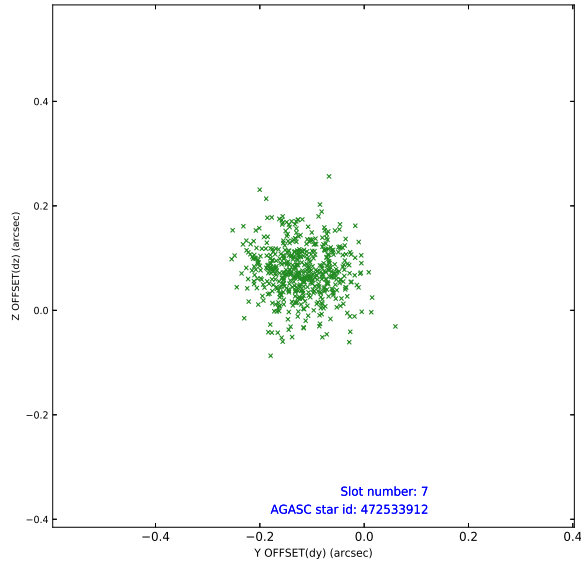
2.4.4 Slot 6



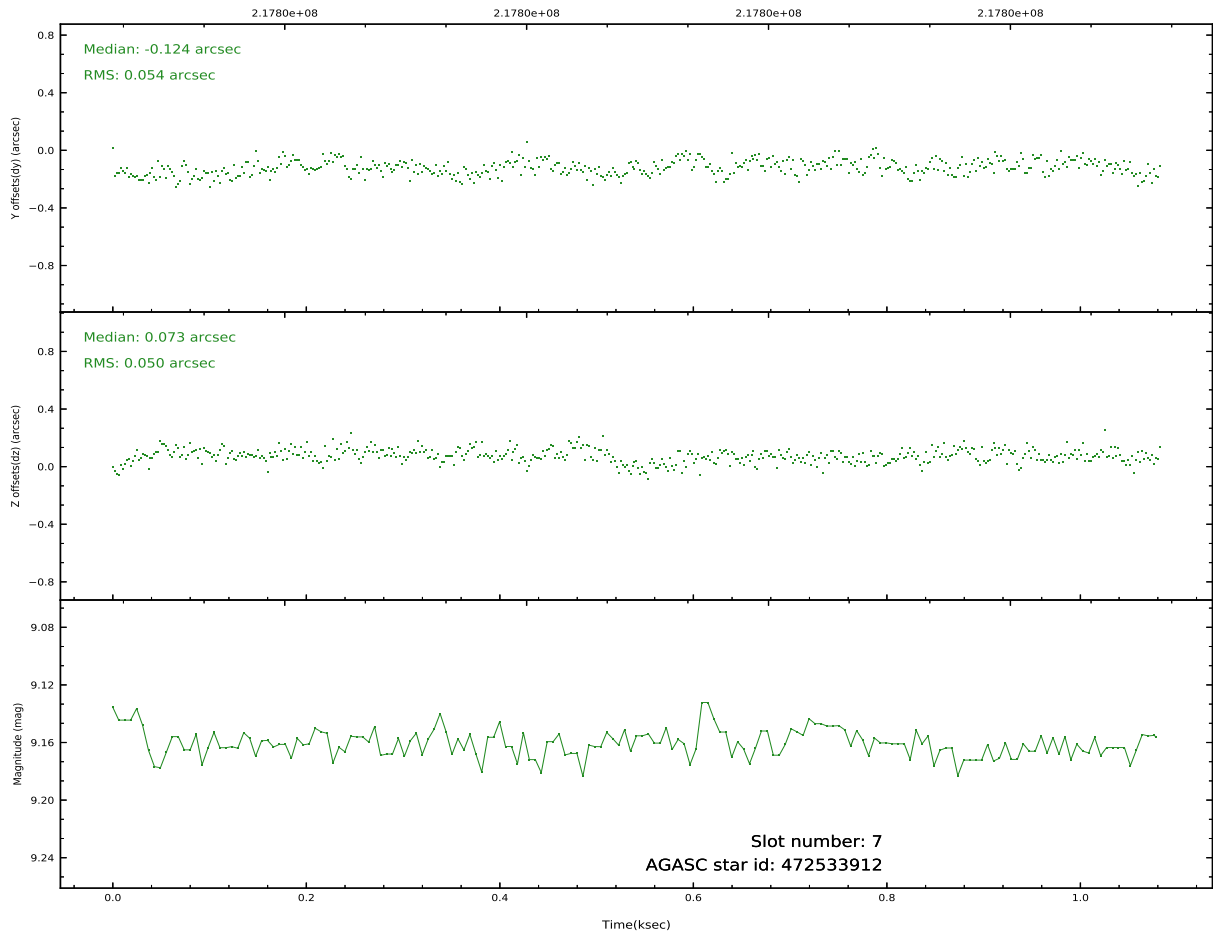
Time (s)



2.4.5 Slot 7

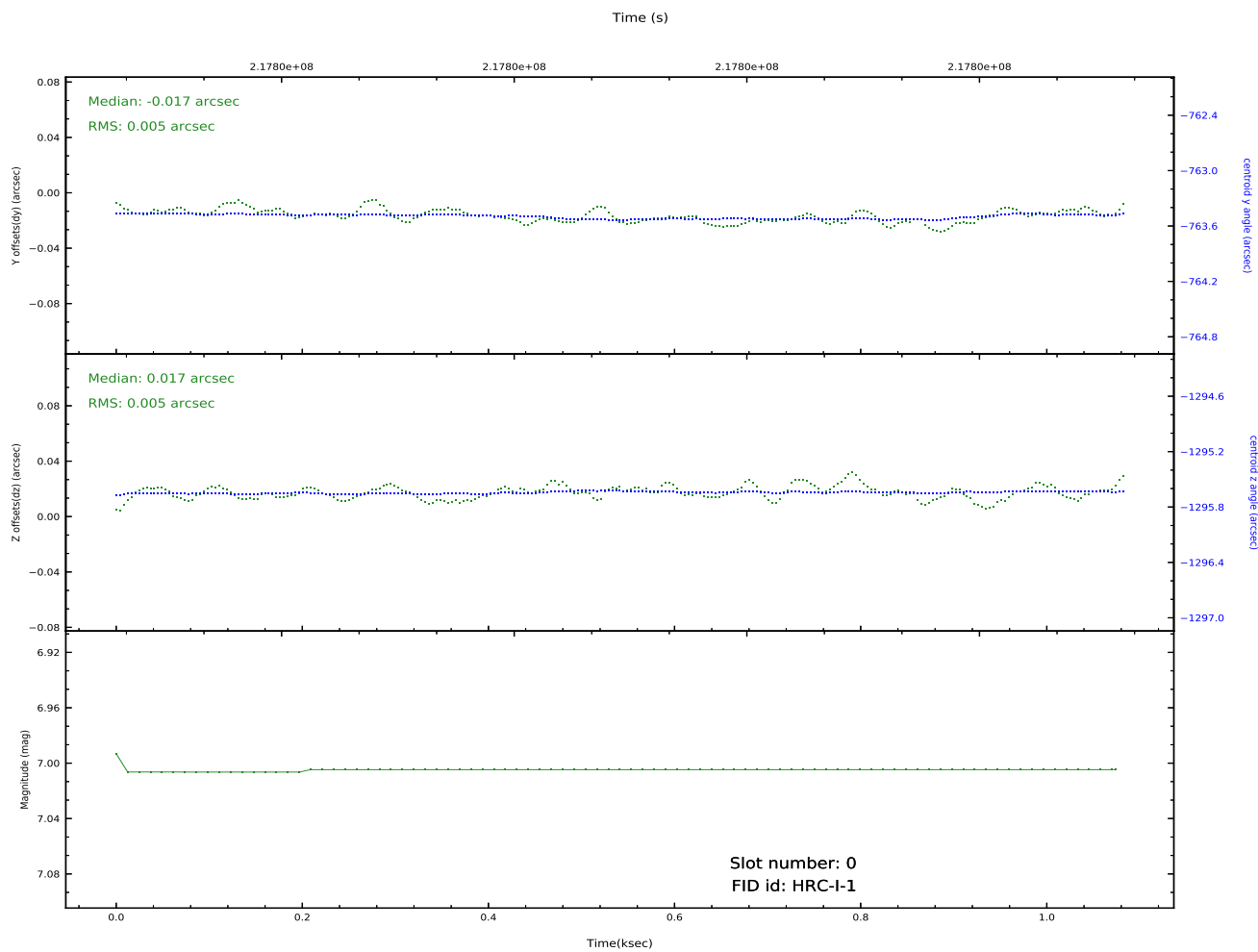
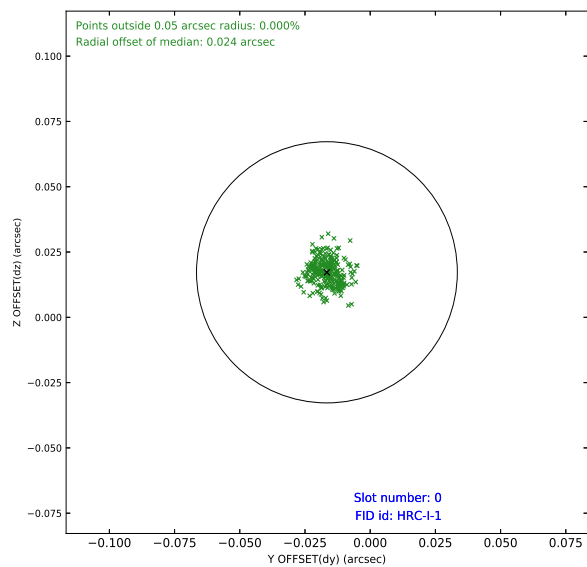
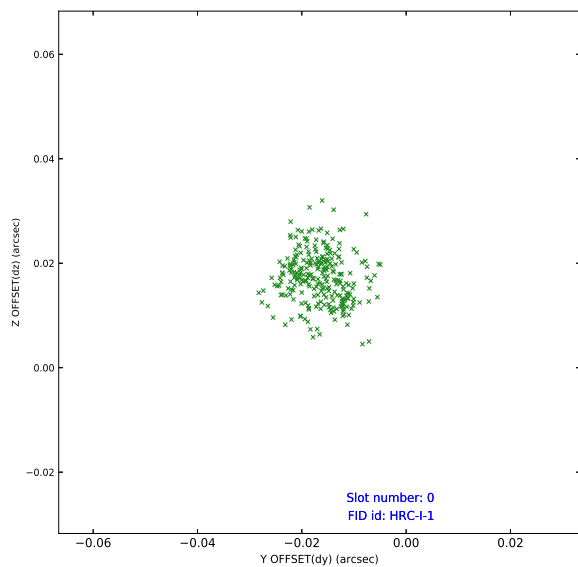


Time (s)

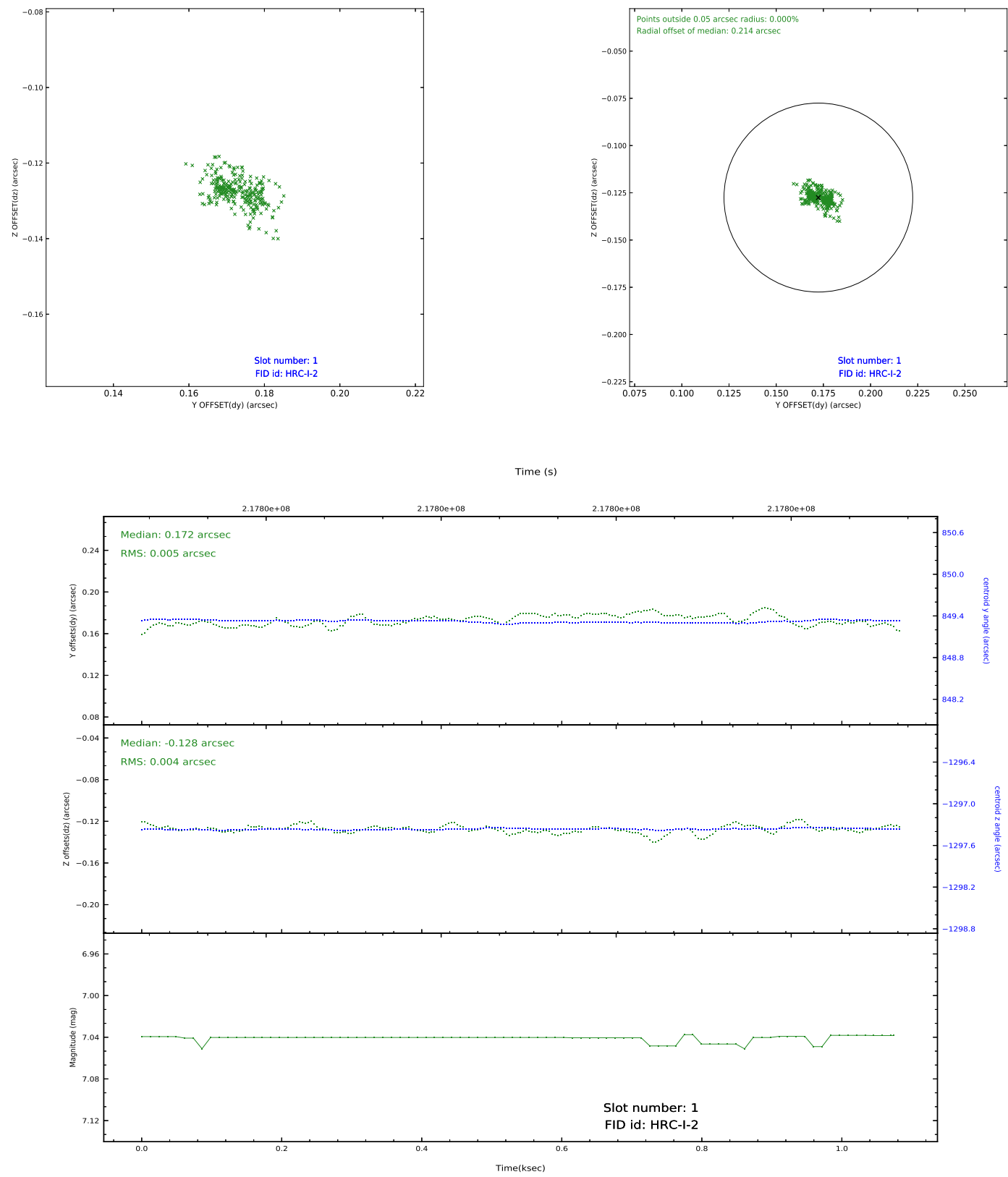


2.5 FID Slots

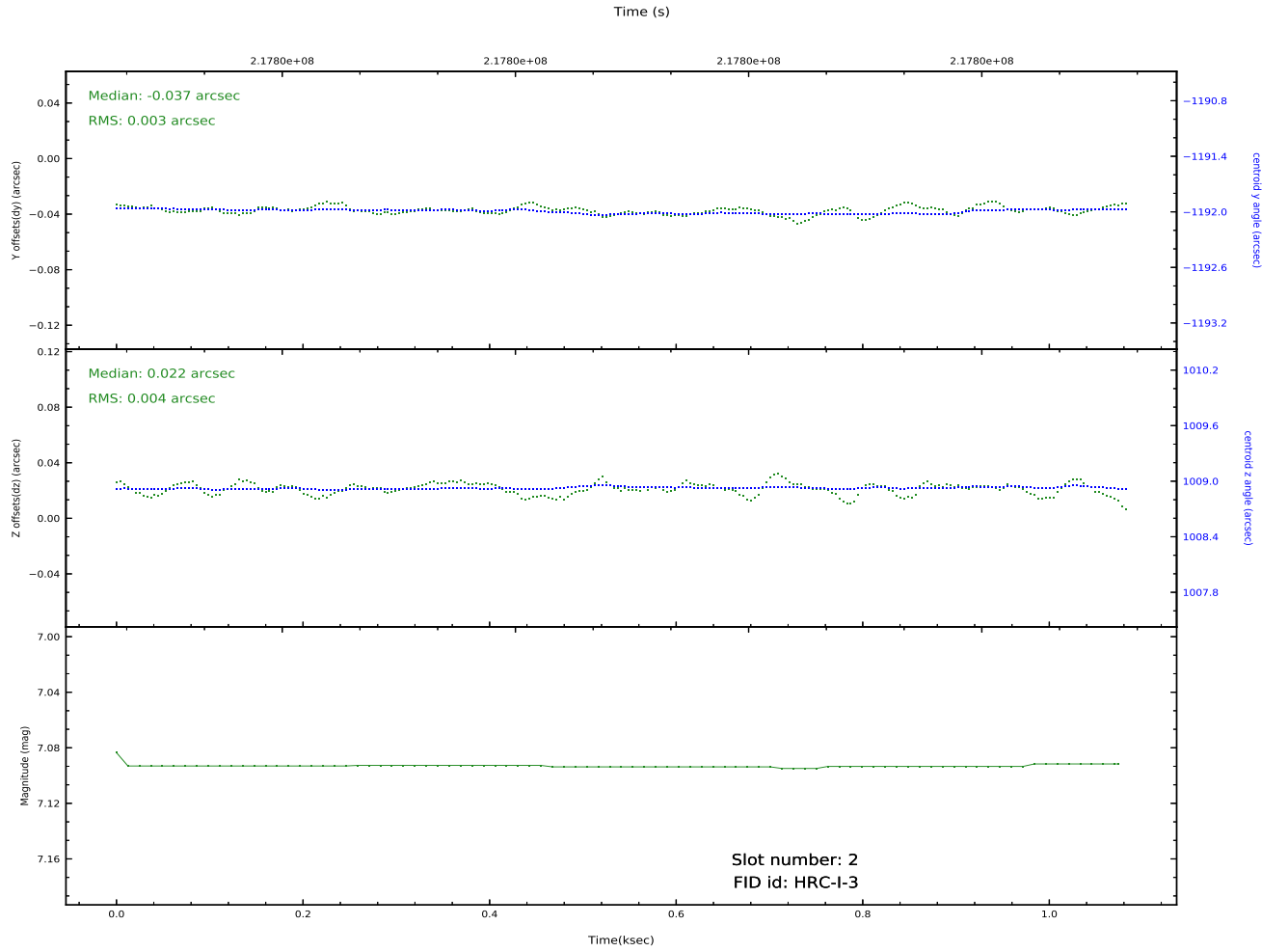
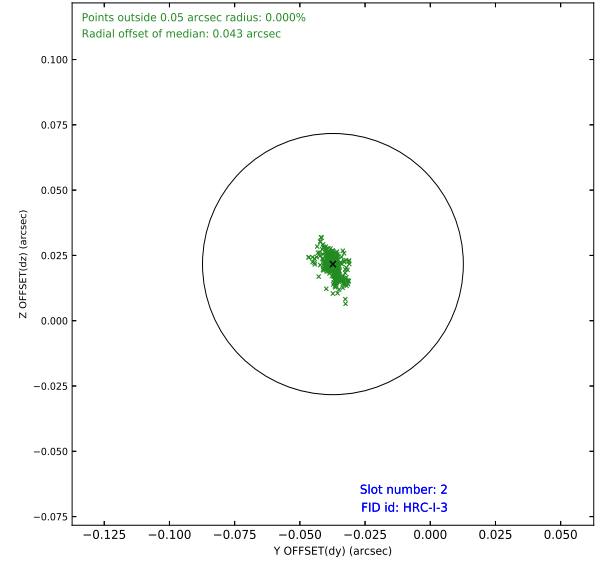
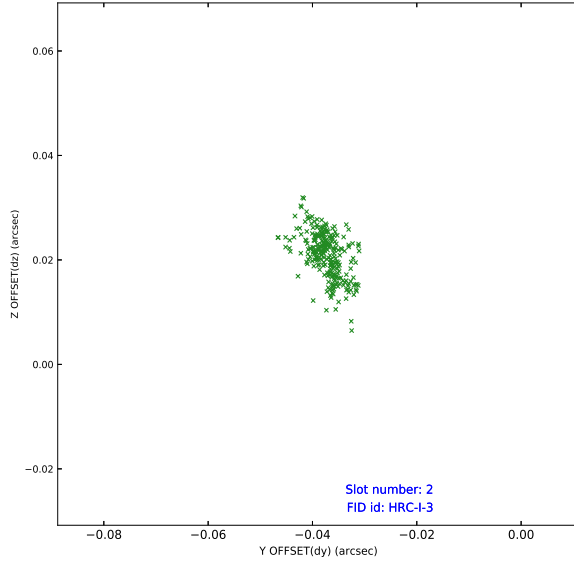
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.08368129

A.2 Comments

Window constraint met.