

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5079 - L2 Version 5
Chandra X-Ray Center

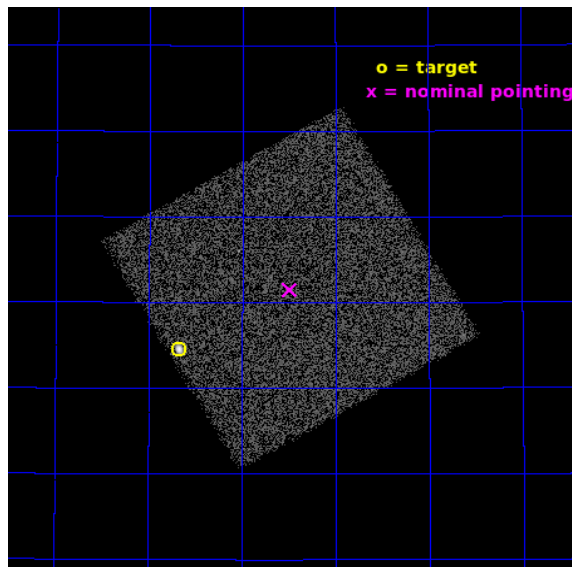
L2 Processing Date : Oct 5 2020

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1 Front

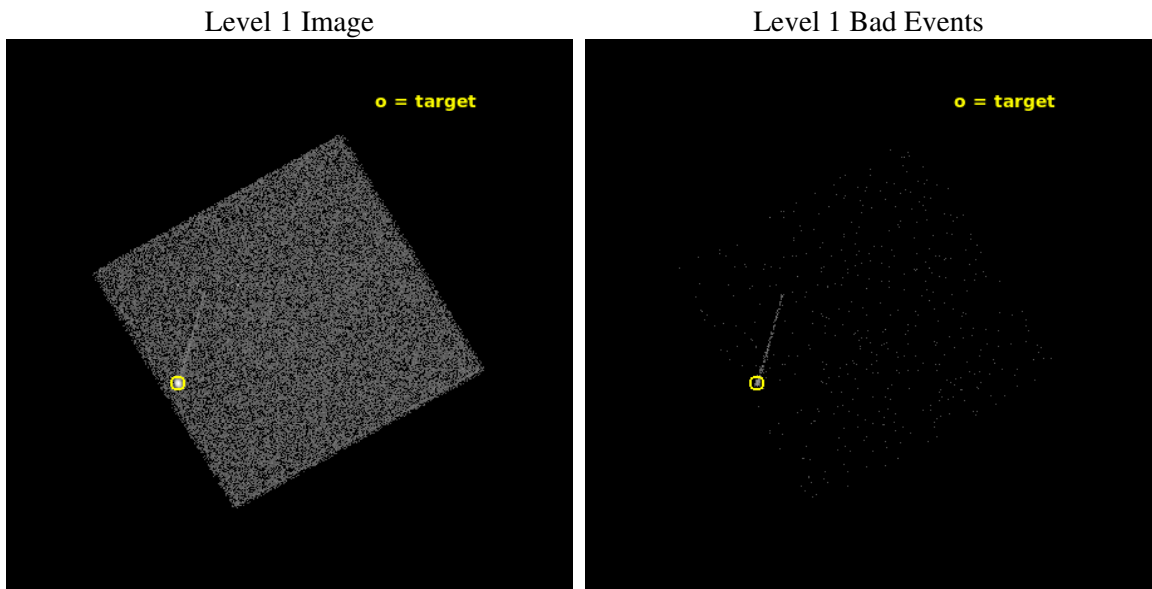
seq_num	290352	Sequence number
obs_id	5079	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.8722640221	Nominal RA [deg]
dec_nom	45.858192053274	Nominal Dec [deg]
roll_nom	284.811666369	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1085.7312988043	[s]
livetime	1078.0421674468	Ontime multiplied by DTCOR
l2events	42315	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1085.7312988043	[s]
caldbver	4.9.2	 	l1events	80081	Number of level 1 events
date	2020-10-05T06:53:03	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

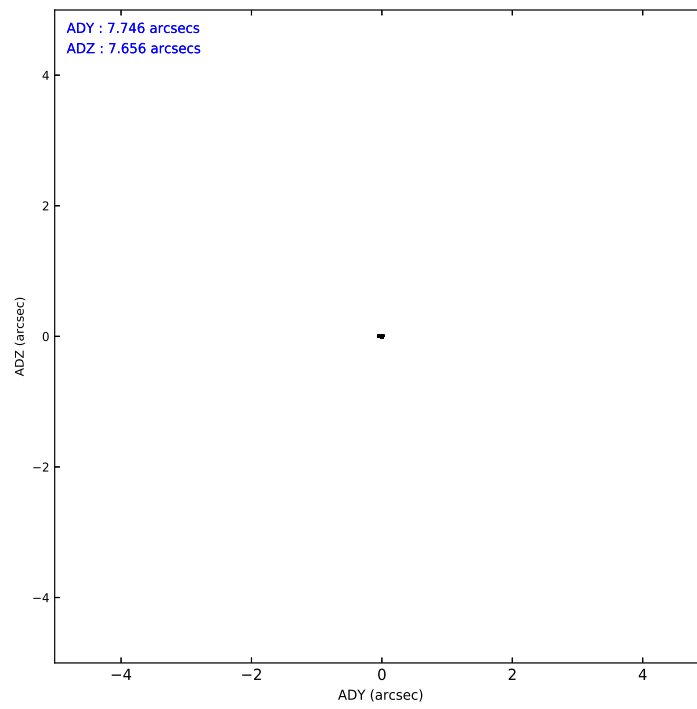
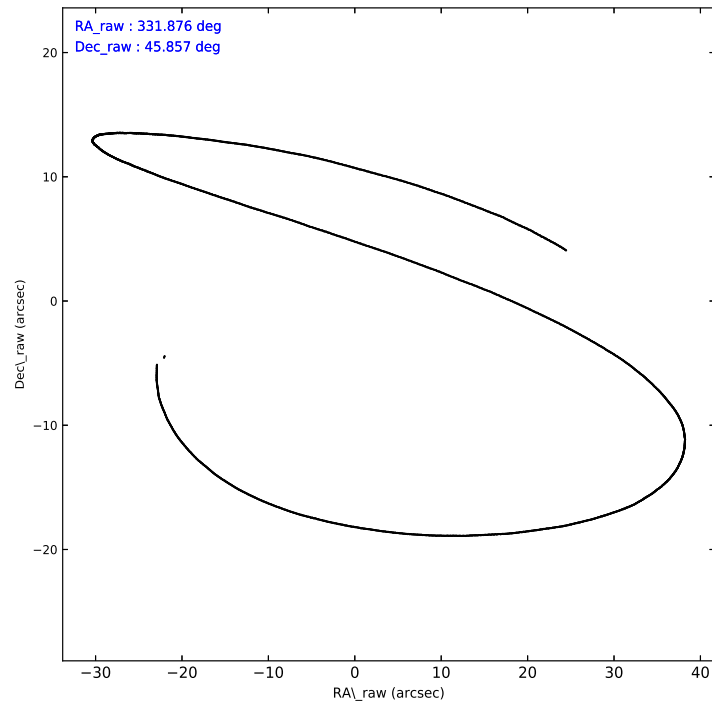
	segment 0
level 1 events	80081
rejected events	18582
rejected %	23%

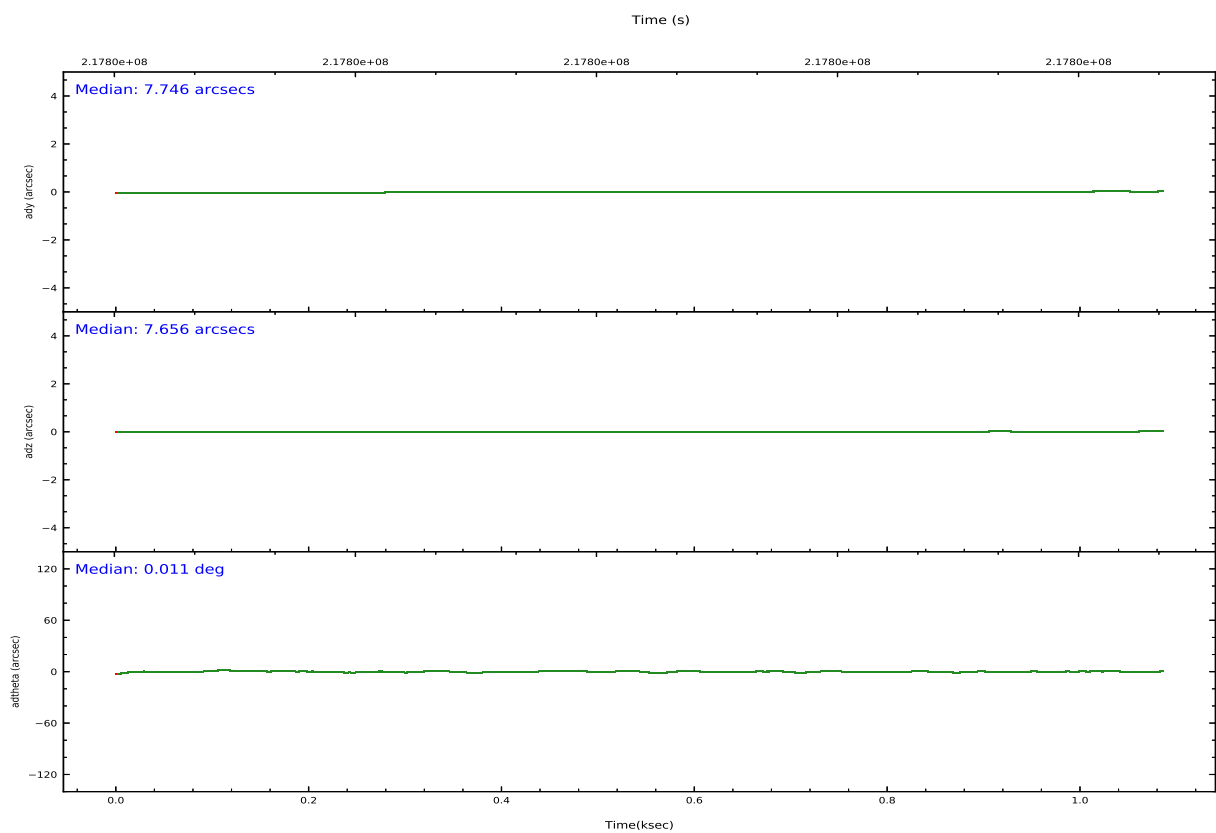
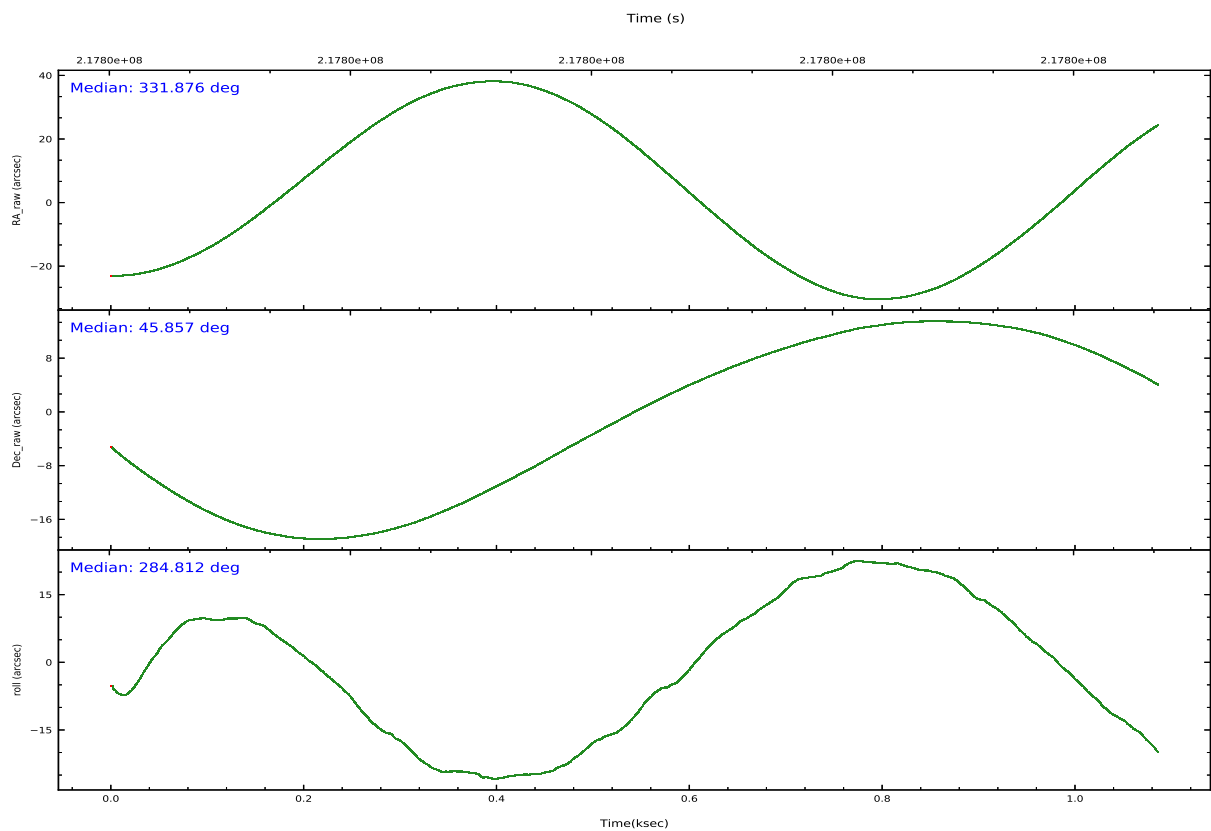
2.2 Compared Parameters

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	331.848848	331.8722640221
[deg] Pointing Dec	45.875457	45.858192053274
[deg] Pointing Roll	284.940455	284.811666369
[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)	217801437.184000	217801061.20891
Observation start date	2004-11-25T20:22:53	2004-11-25T20:17:41
[s] Observation end time (MET)	217802337.184000	217802471.60897
Observation end date	2004-11-25T20:37:53	2004-11-25T20:41:11

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

2.3 Aspect



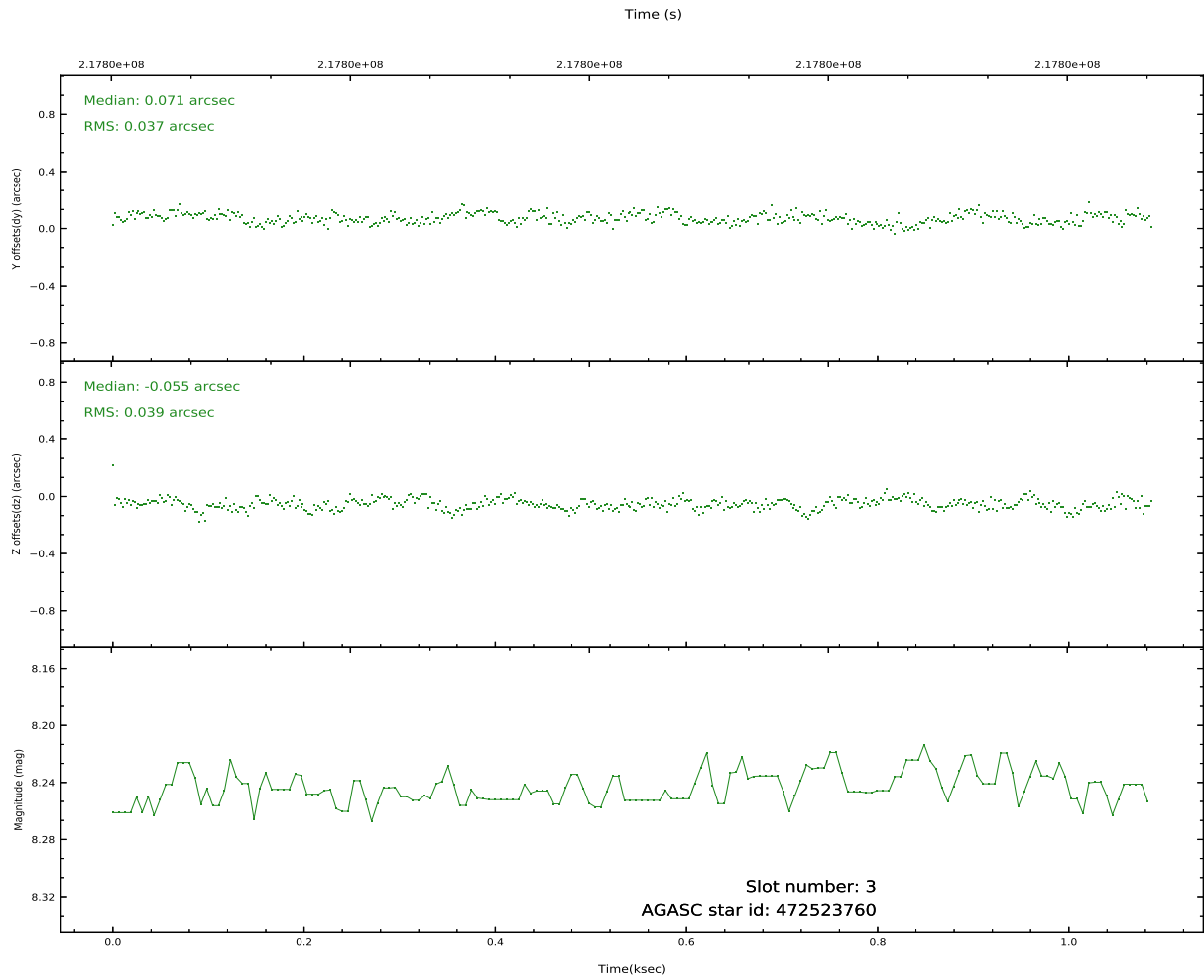
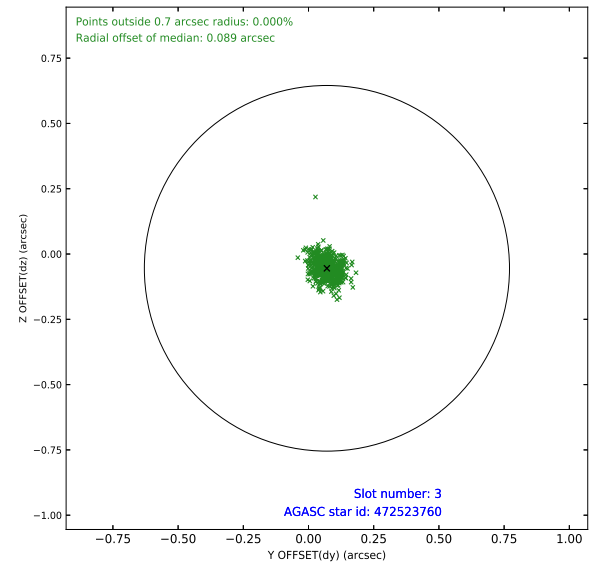
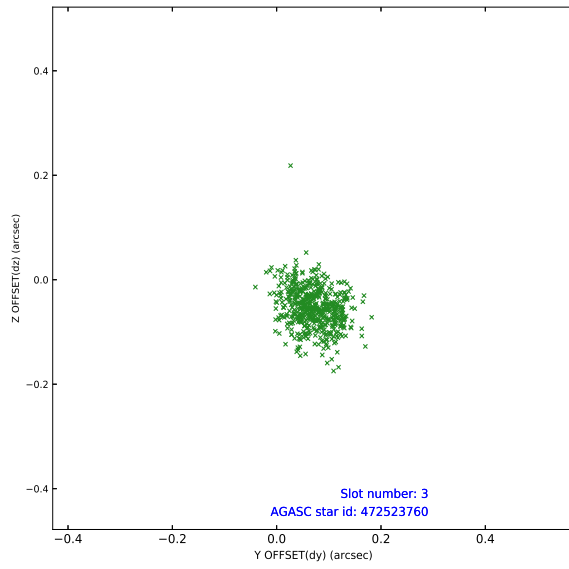


Slot Statistics

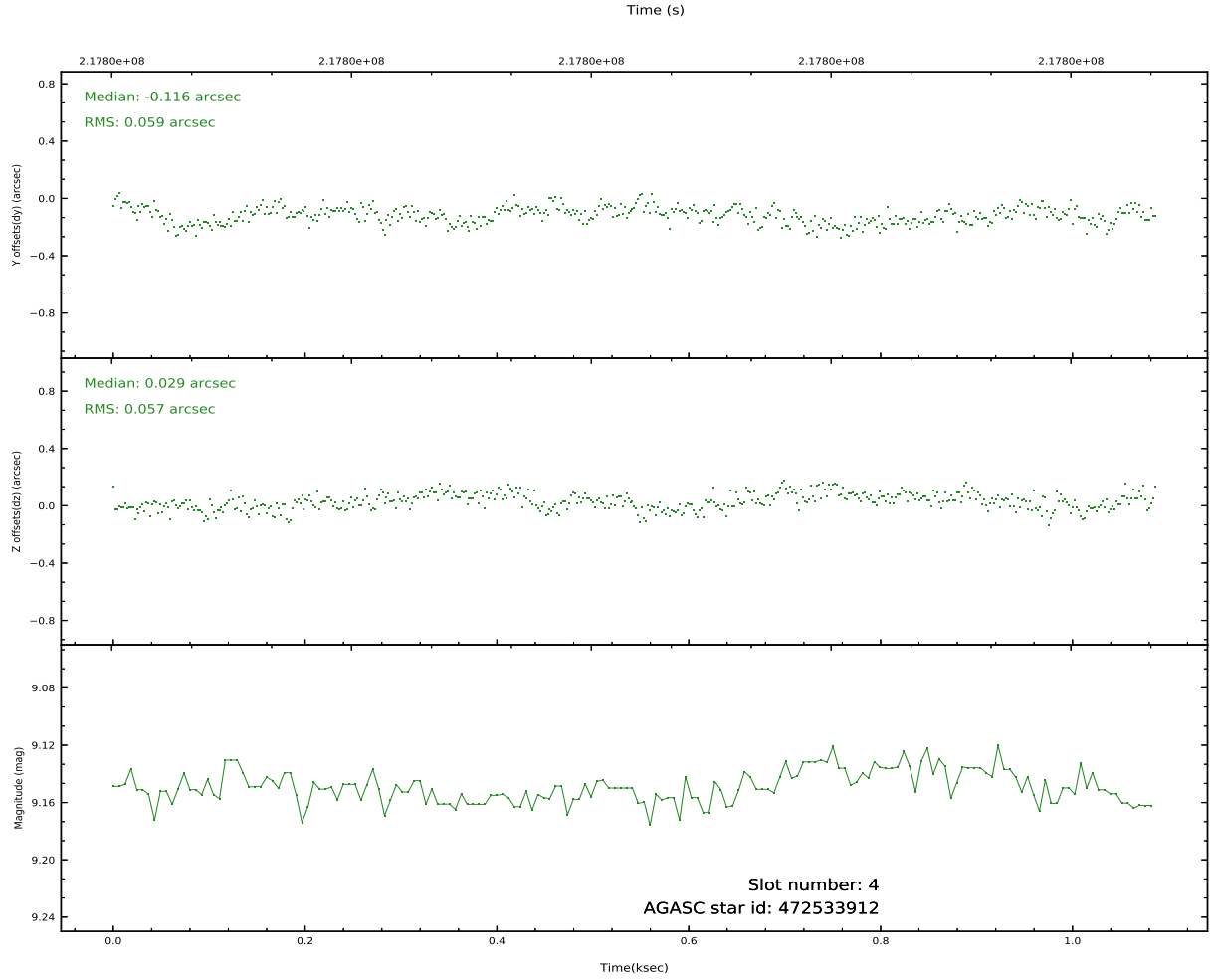
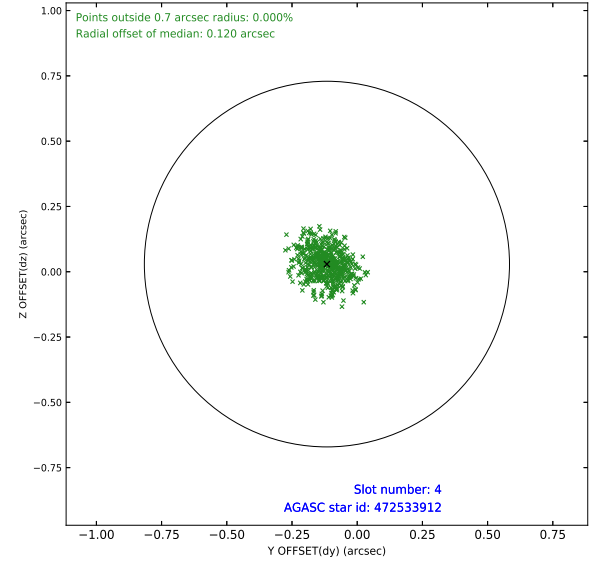
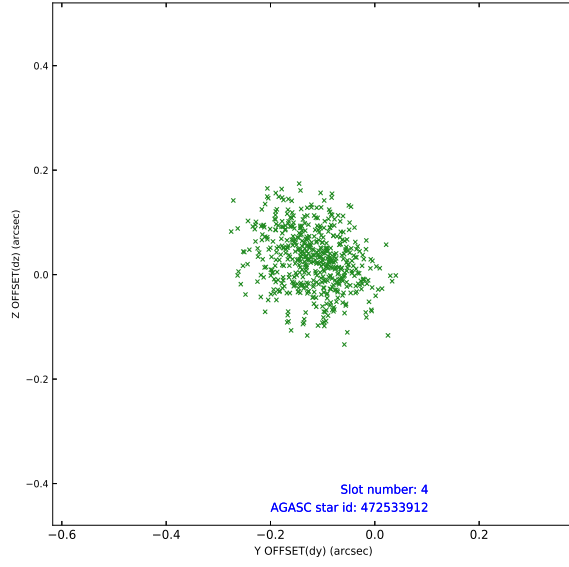
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	266	1.000	0.016	-0.038	0.007	0.010	0.000000	0.000000	-763.37	-1295
1	FID		HRC-I-3	7.10	265	1.000	-0.081	-0.042	0.007	0.011	0.000000	0.000000	-1194.76	1004
2	FID		HRC-I-4	7.04	266	1.000	0.179	-0.009	0.005	0.010	0.000000	0.000000	1275.17	1010
3	GUIDE	used	472523760	8.25	531	1.000	0.071	-0.055	0.057	0.089	331.645363	45.403260	1509.70	-933
4	GUIDE	used	472533912	9.15	531	1.000	-0.116	0.029	0.090	0.142	331.791136	46.368695	-1749.59	319
5	GUIDE	used	472535400	8.79	531	1.000	-0.167	-0.065	0.071	0.137	331.047001	46.353888	-2190.51	-1475
6	GUIDE	used	472655152	9.42	528	1.000	0.024	0.173	0.120	0.185	332.504239	45.862991	456.72	1577
7	GUIDE	used	472527720	7.03	530	1.000	0.181	-0.088	0.078	0.131	331.460205	45.112509	2398.44	-1656

2.4 Star Slots

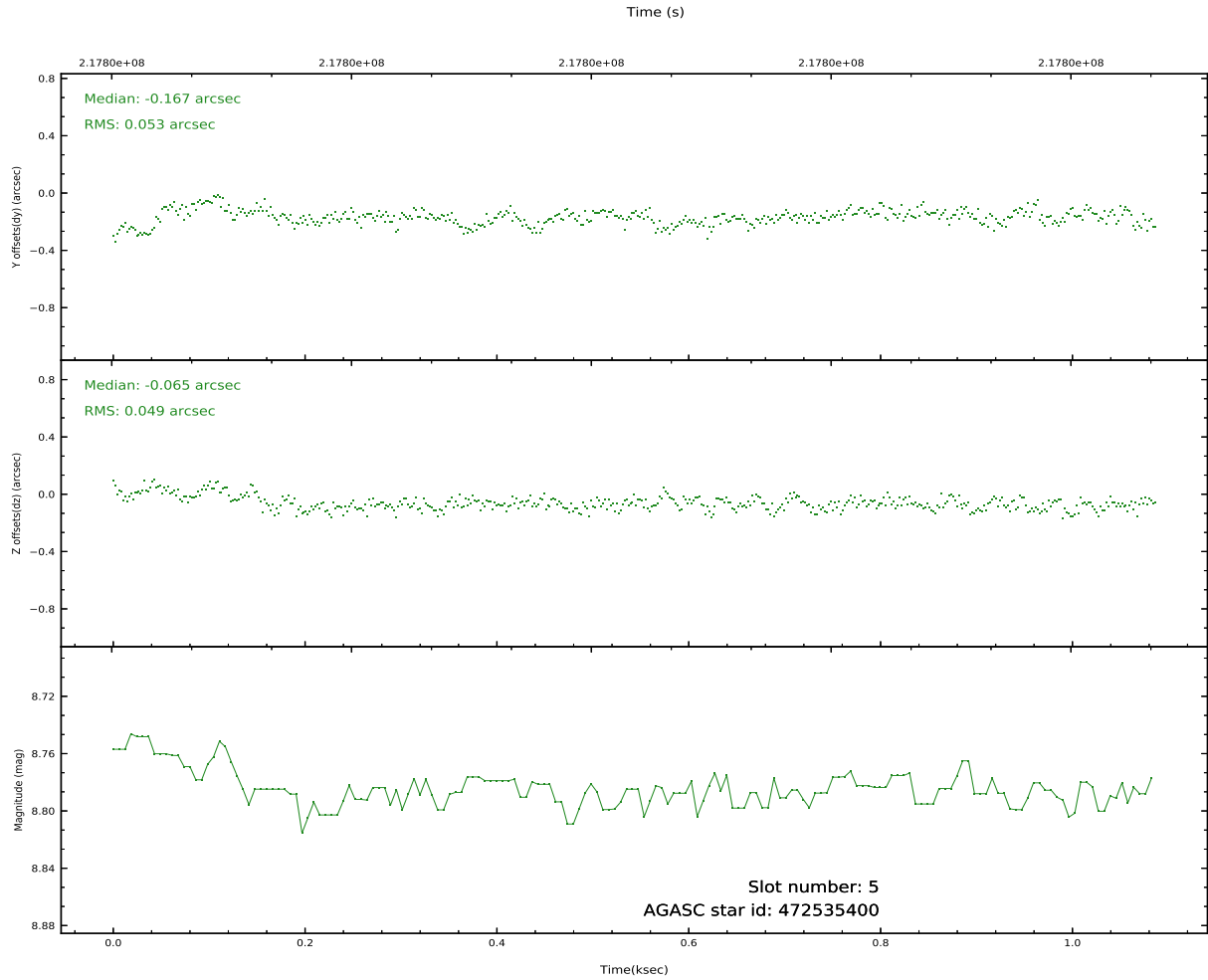
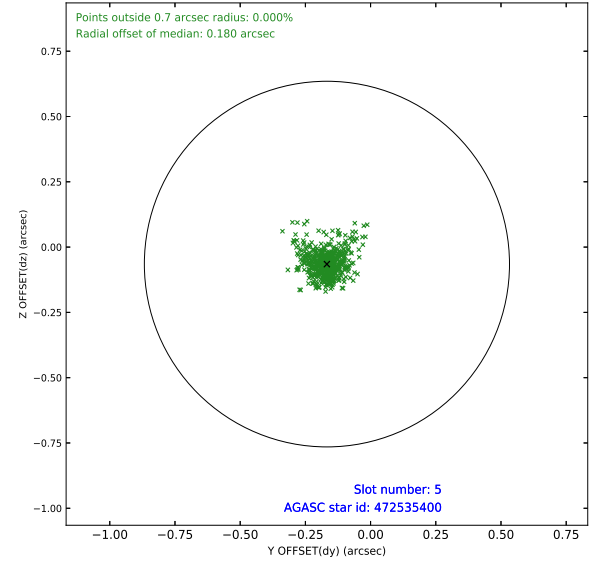
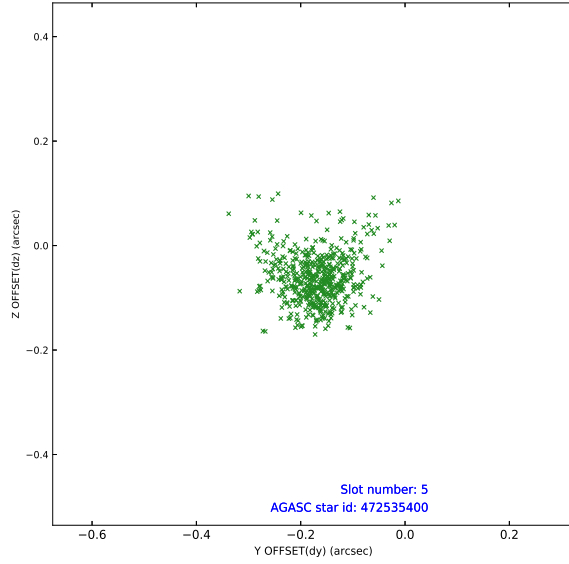
2.4.1 Slot 3



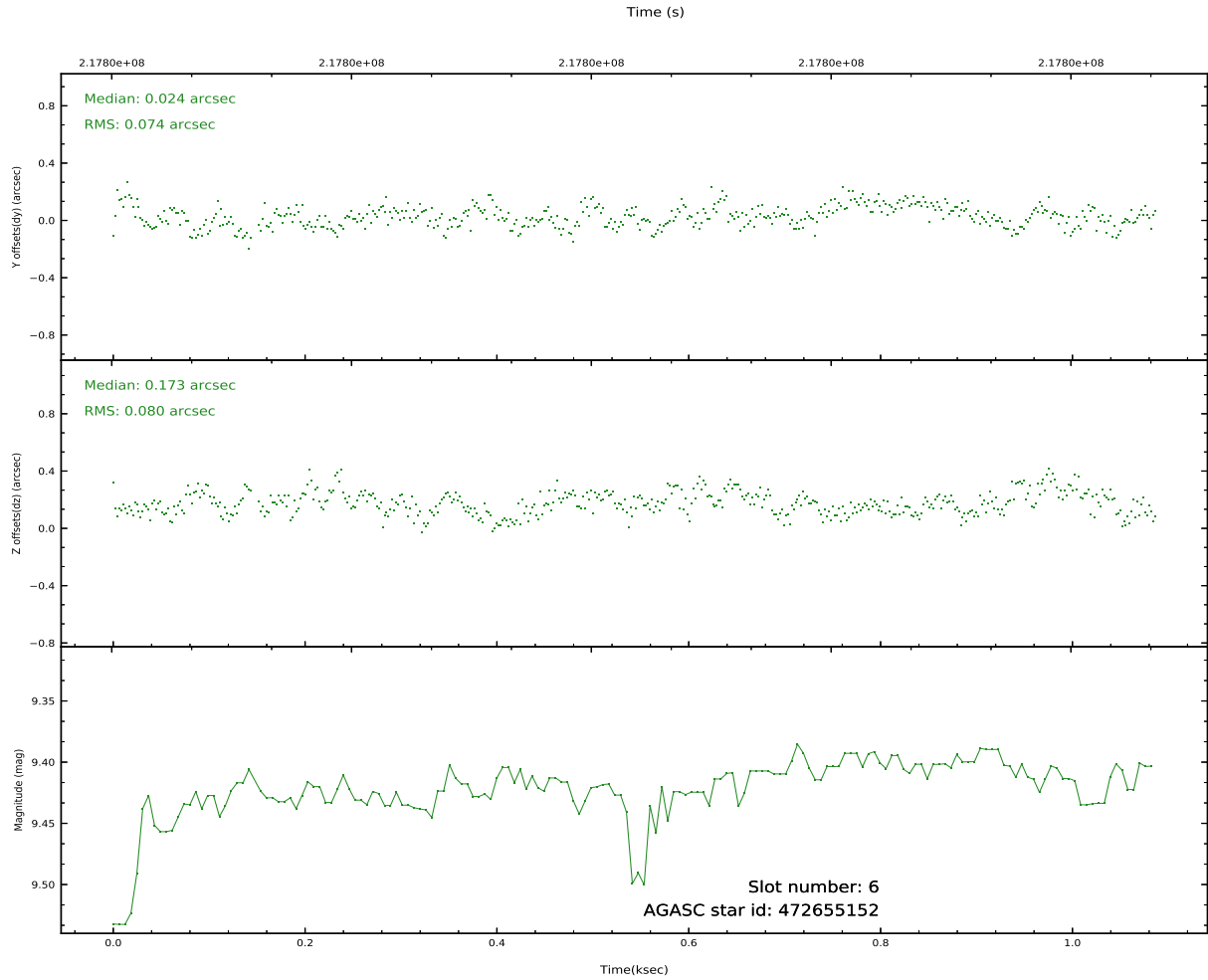
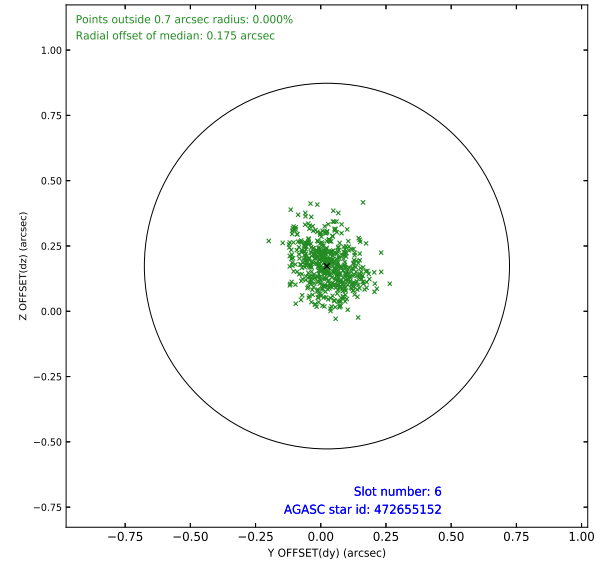
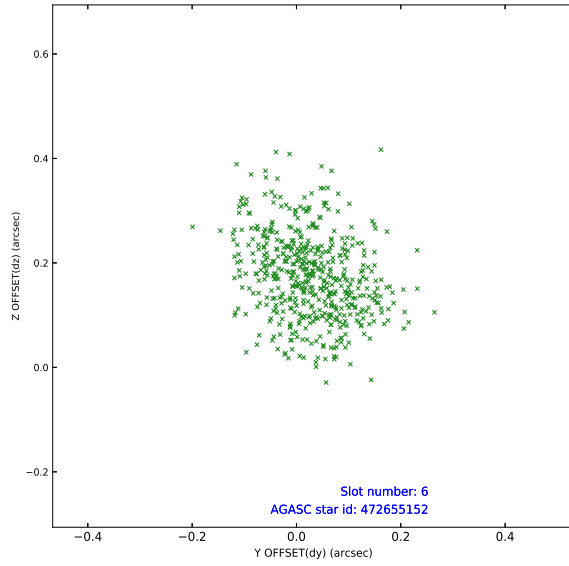
2.4.2 Slot 4



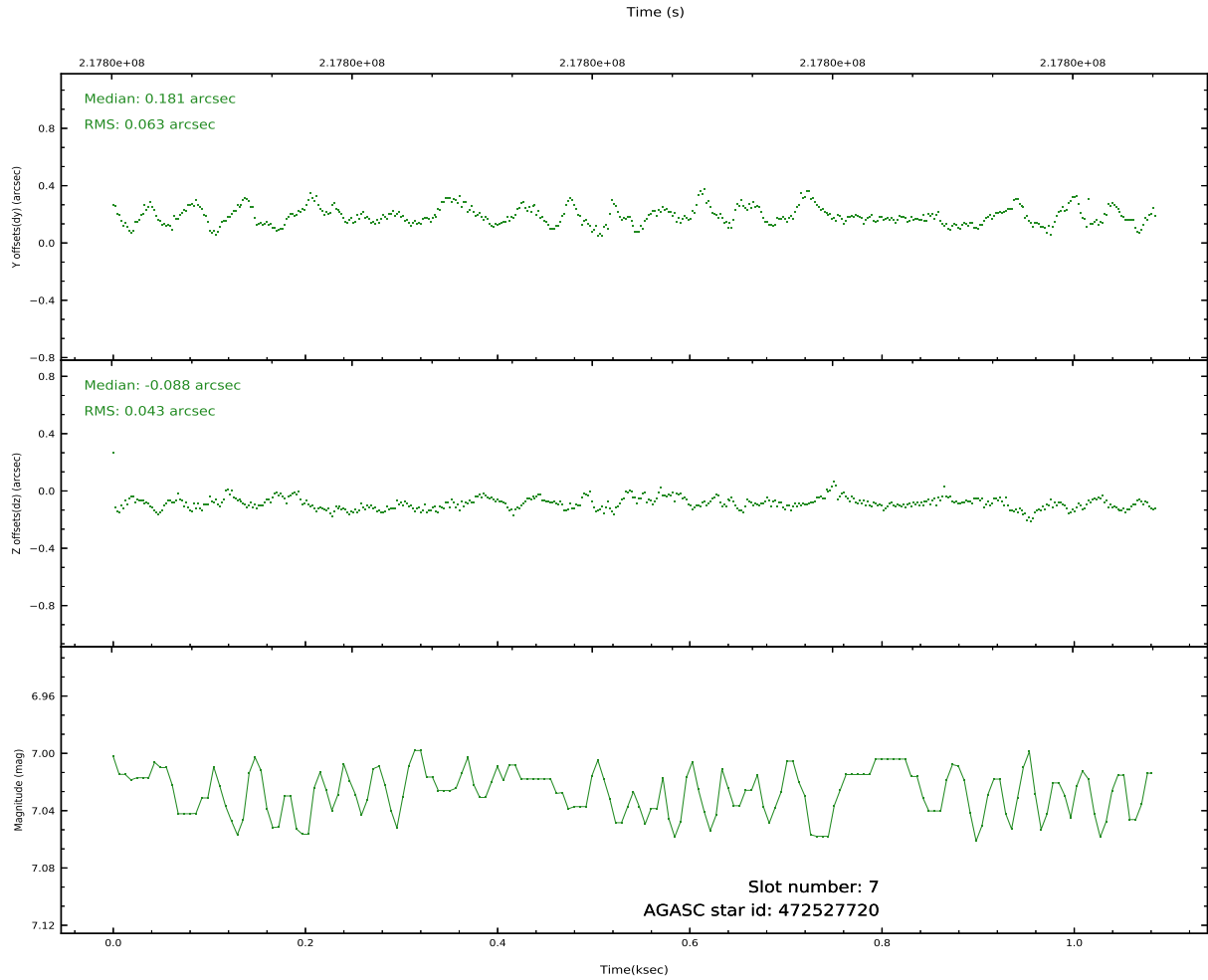
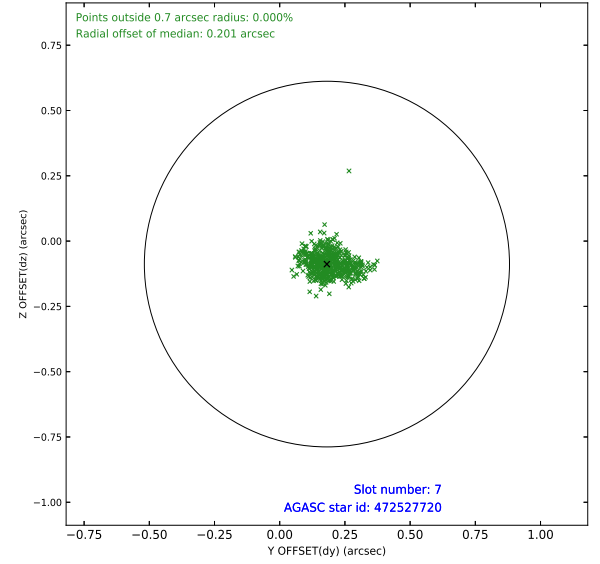
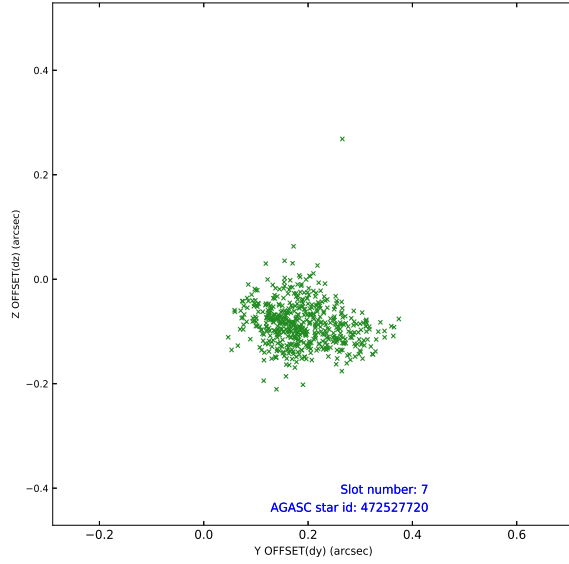
2.4.3 Slot 5



2.4.4 Slot 6

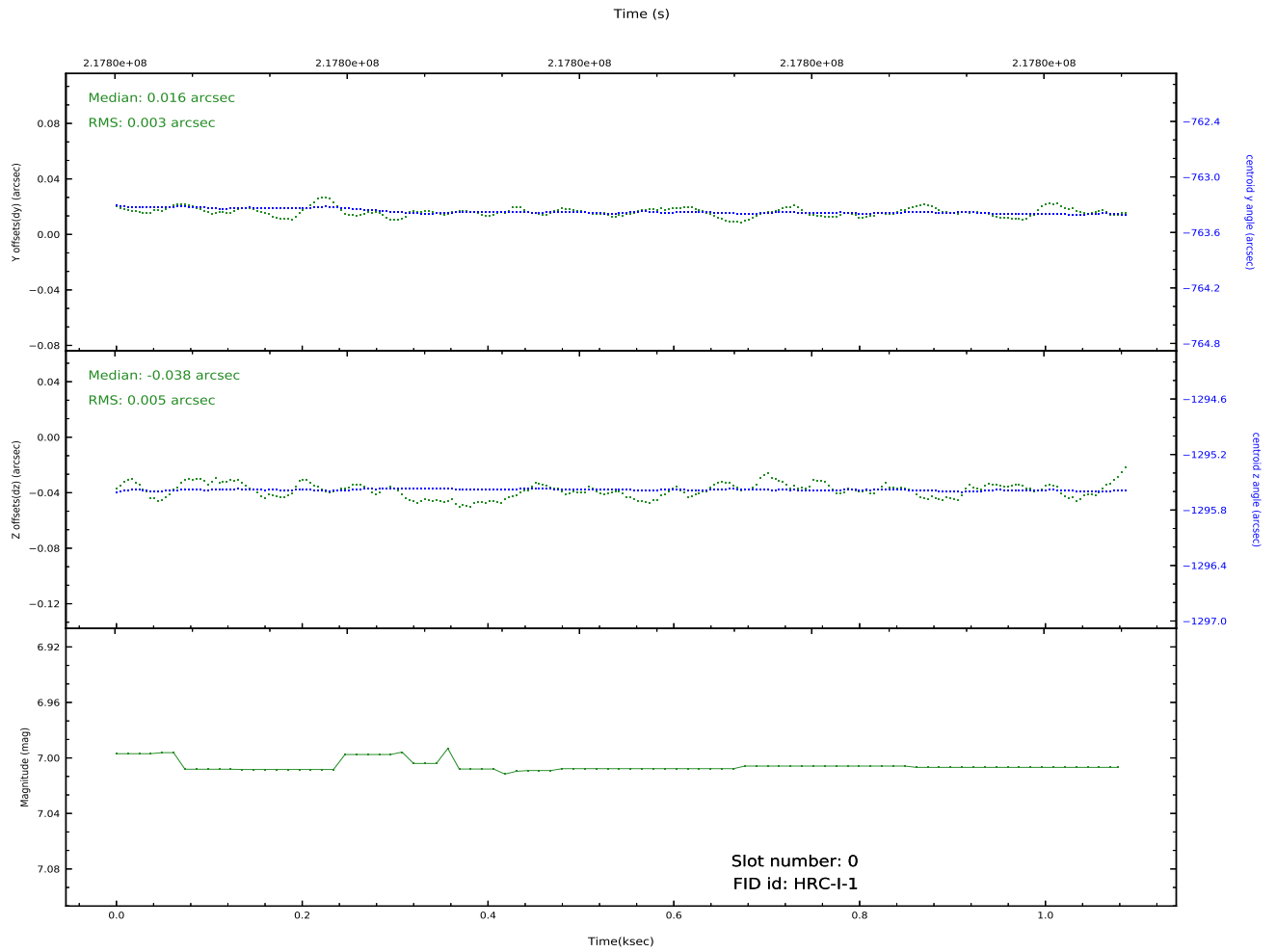
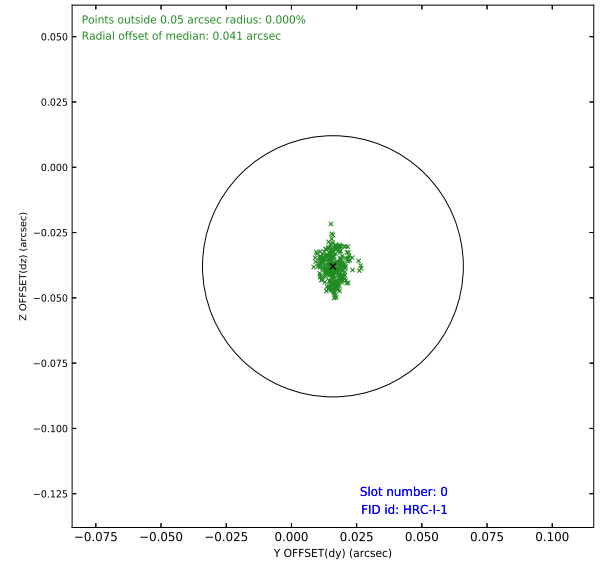
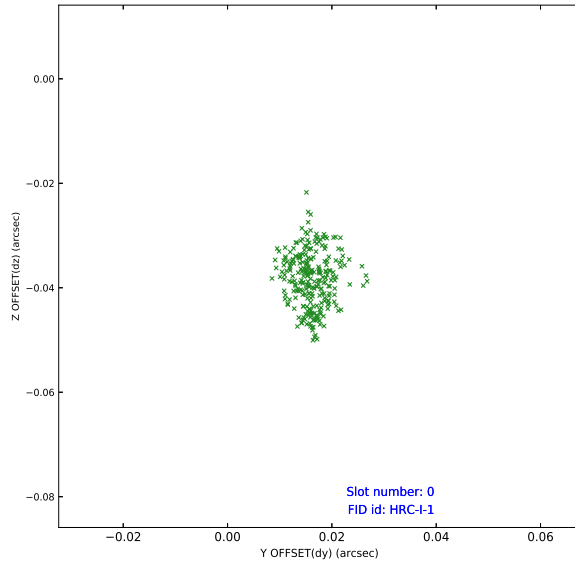


2.4.5 Slot 7

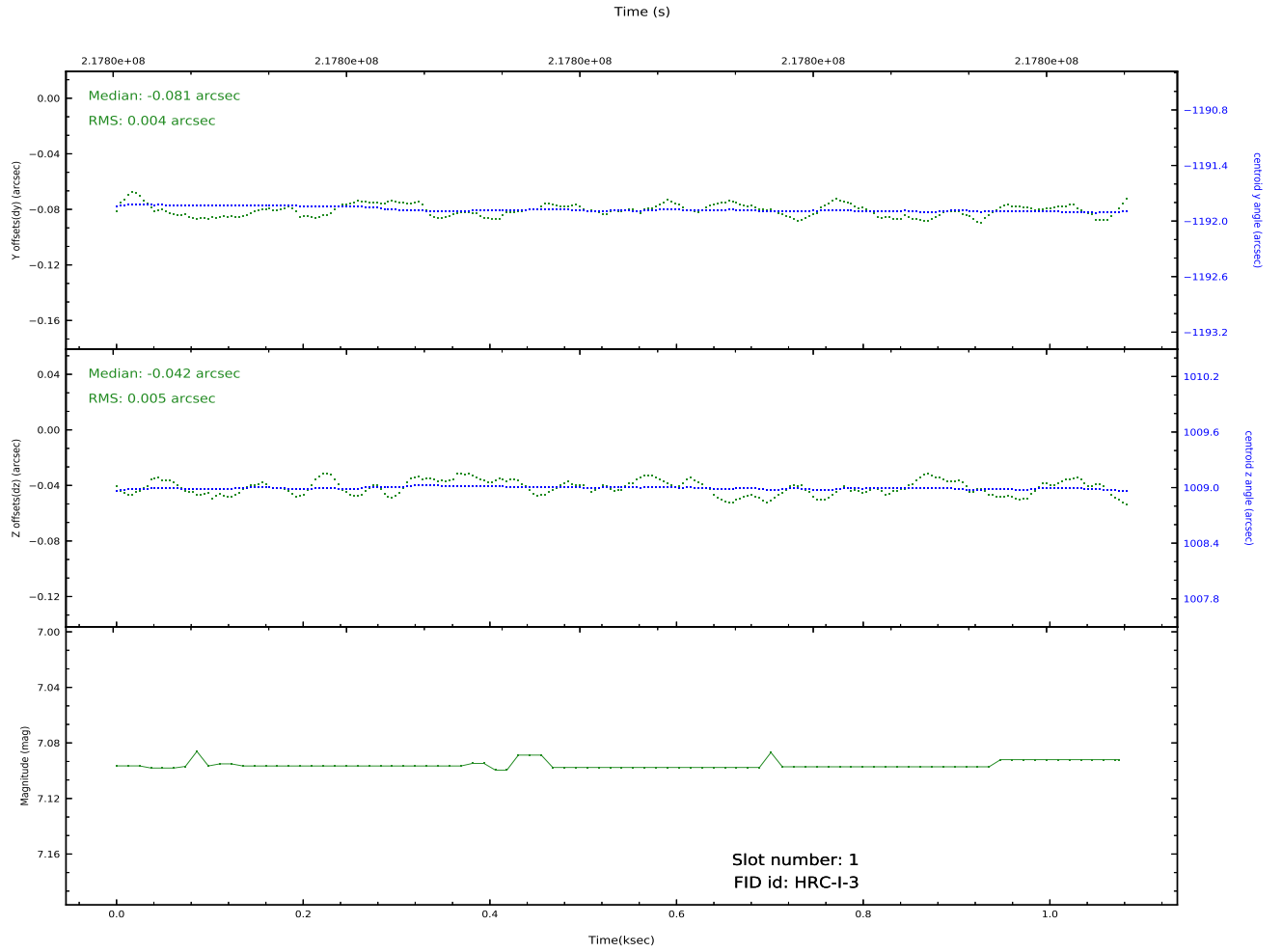
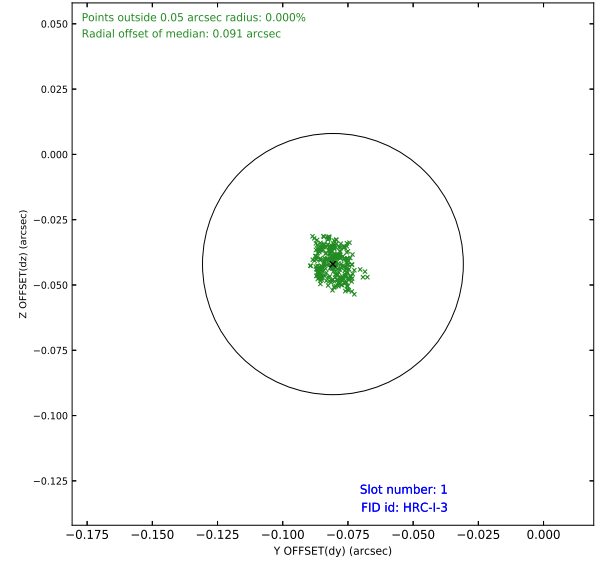
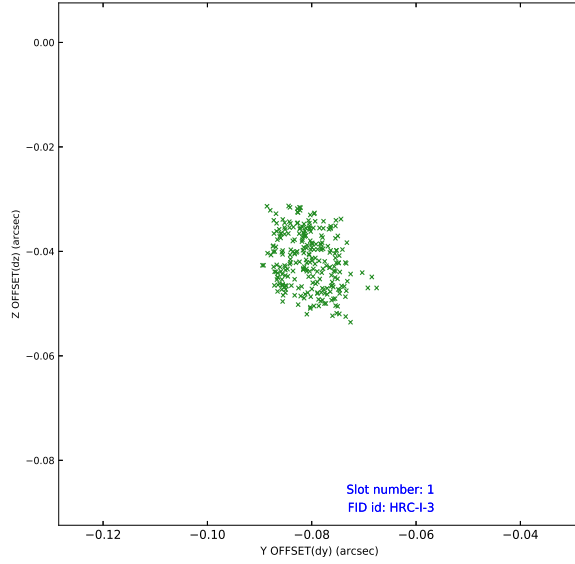


2.5 FID Slots

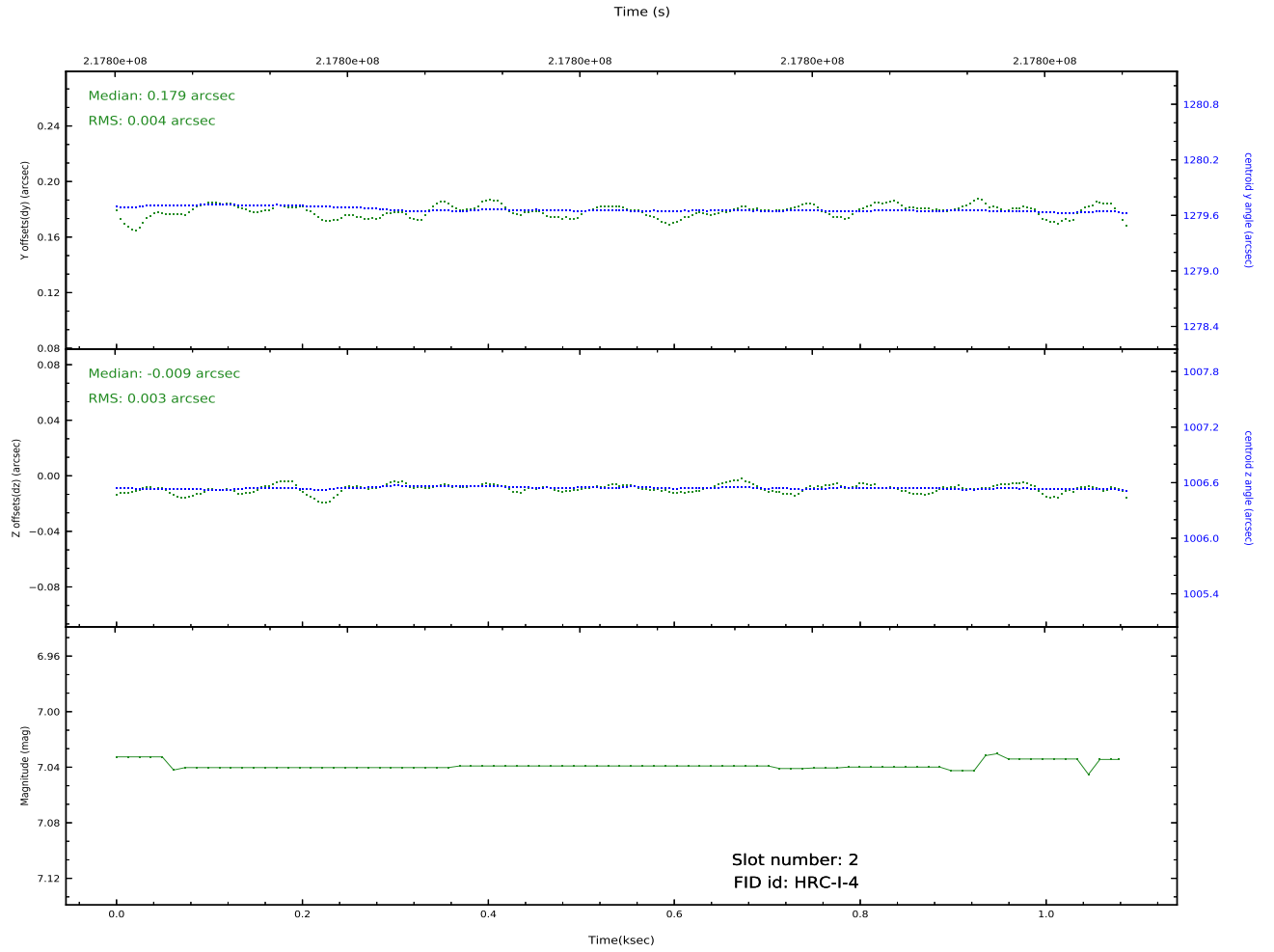
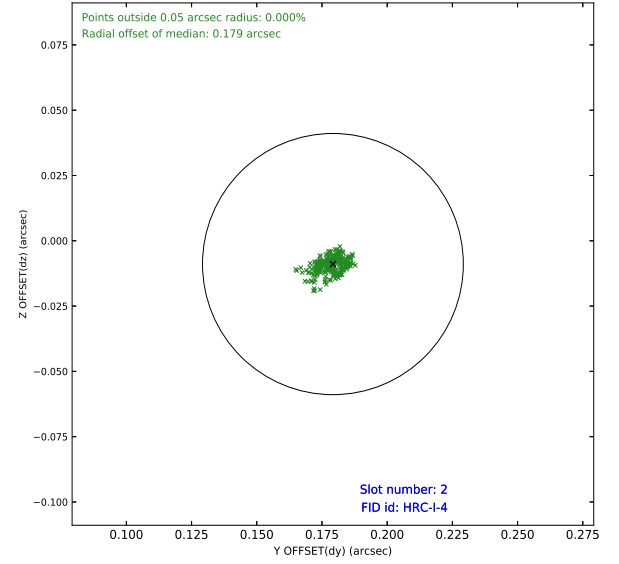
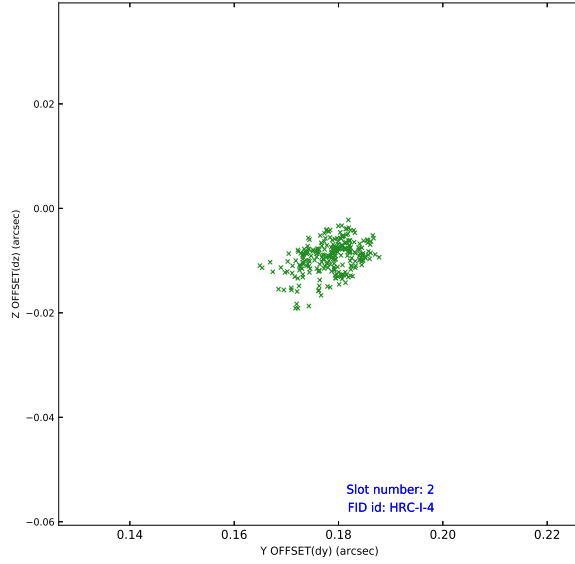
2.5.1 Slot 0



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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.085731

A.2 Comments