

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5074 - L2 Version 5
Chandra X-Ray Center

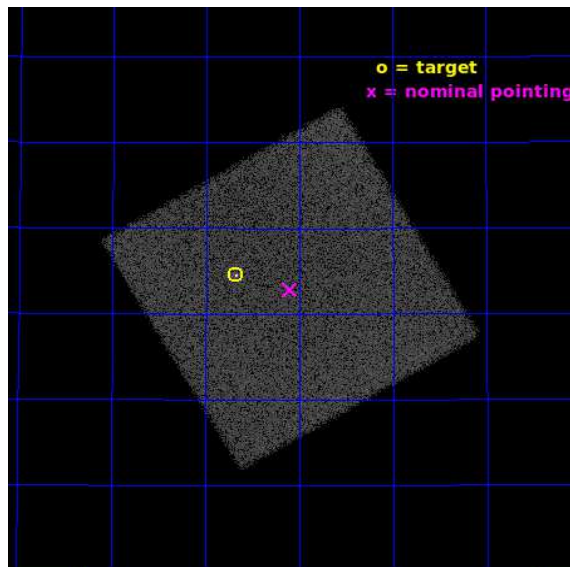
L2 Processing Date : Oct 5 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

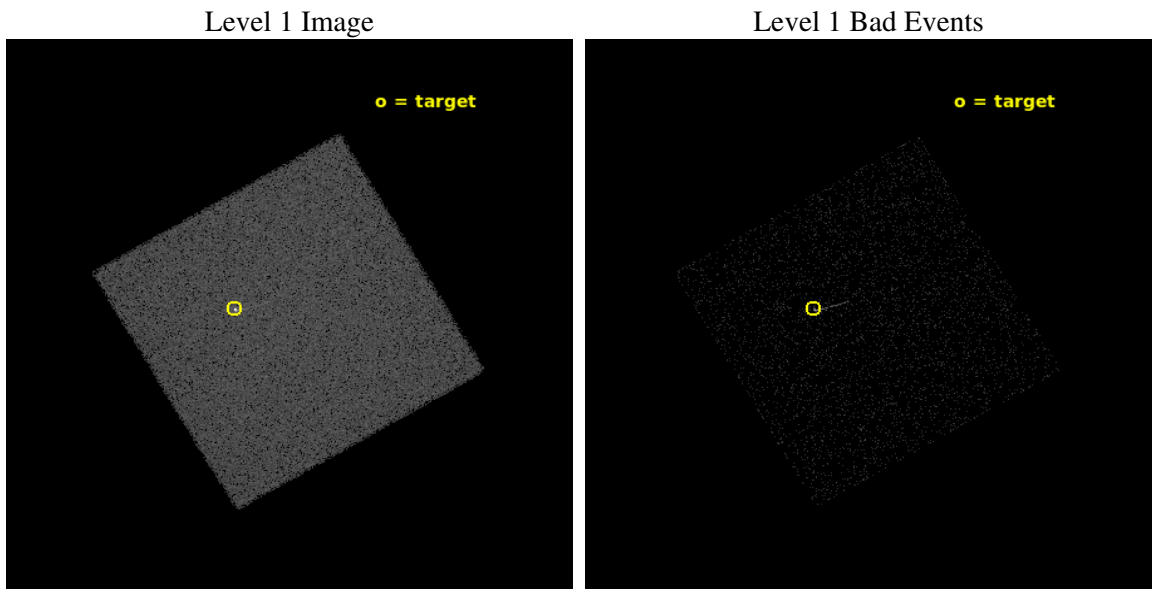
seq_num	290347	Sequence number
obs_id	5074	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0251654302	Nominal RA [deg]
dec_nom	45.714015286075	Nominal Dec [deg]
roll_nom	284.66941313539	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1079.5812985301	[s]
livetime	1024.0110213432	Ontime multiplied by DTCOR
l2events	104330	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	1079.5812985301	[s]
caldbver	4.9.2	 	l1events	197524	Number of level 1 events
date	2020-10-05T06:46:41	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

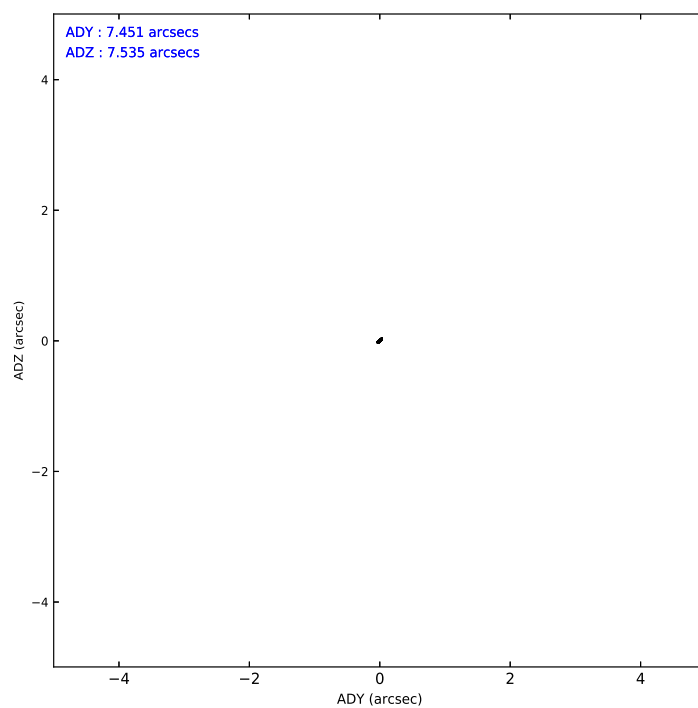
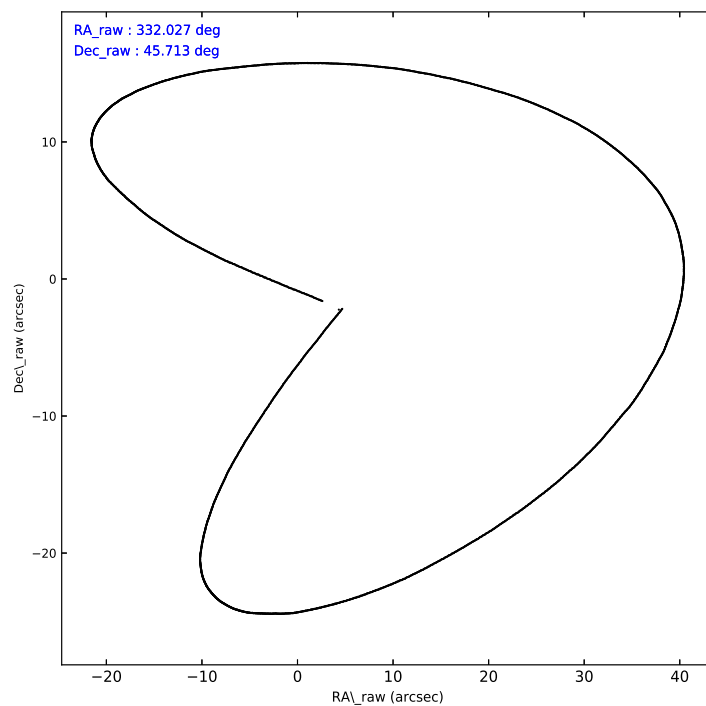
	segment 0
level 1 events	197524
rejected events	49714
rejected %	25%

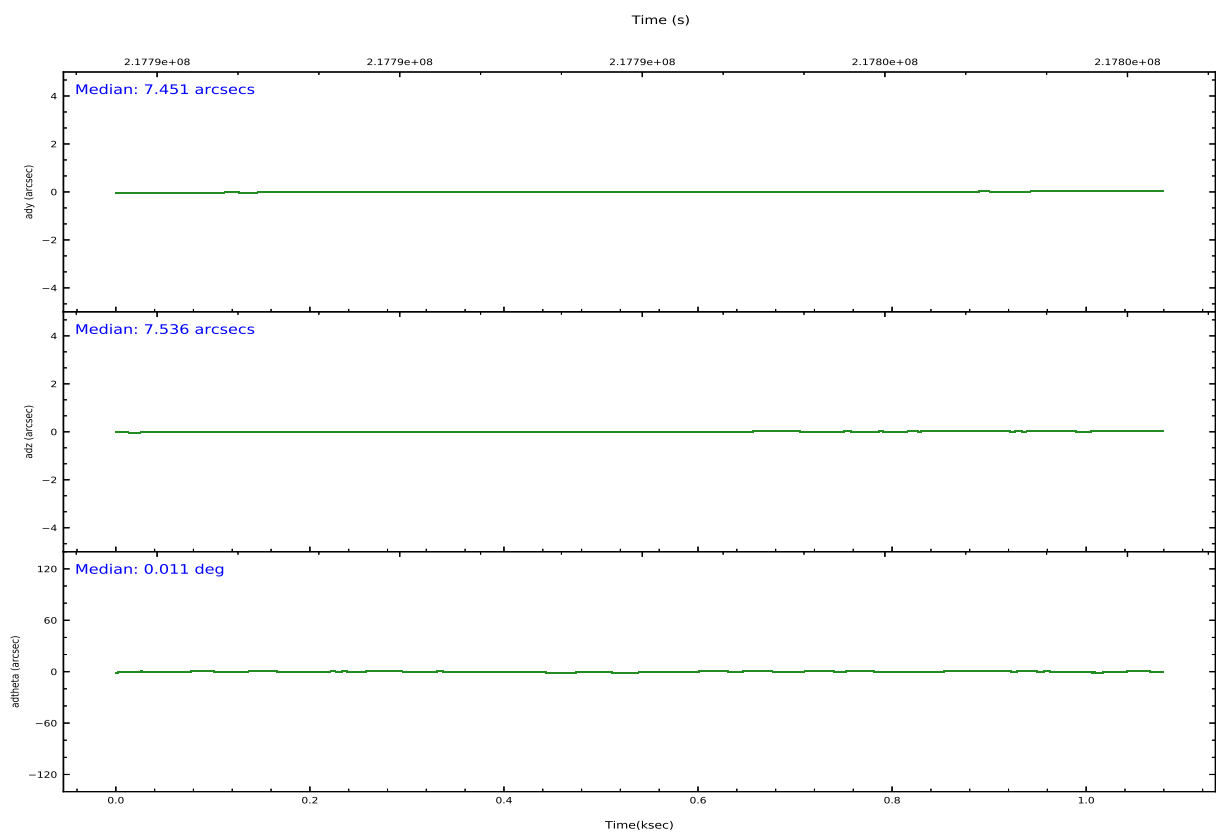
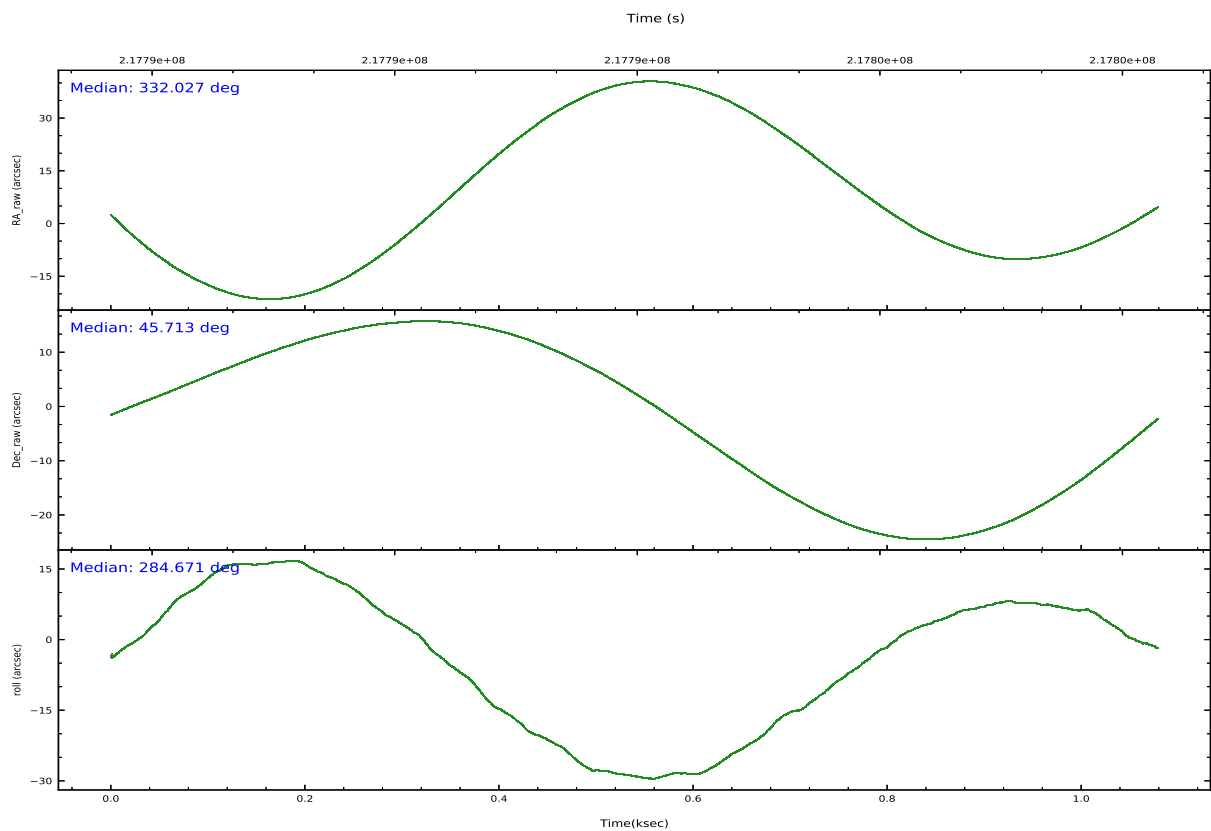
2.2 Compared Parameters

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	332.002688	332.0251654302
[deg] Pointing Dec	45.731563	45.714015286075
[deg] Pointing Roll	284.802669	284.66941313539
[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)	217794387.184000	217794011.25859
Observation start date	2004-11-25T18:25:23	2004-11-25T18:20:11
[s] Observation end time (MET)	217795287.184000	217795421.14616
Observation end date	2004-11-25T18:40:23	2004-11-25T18:43:41

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

2.3 Aspect



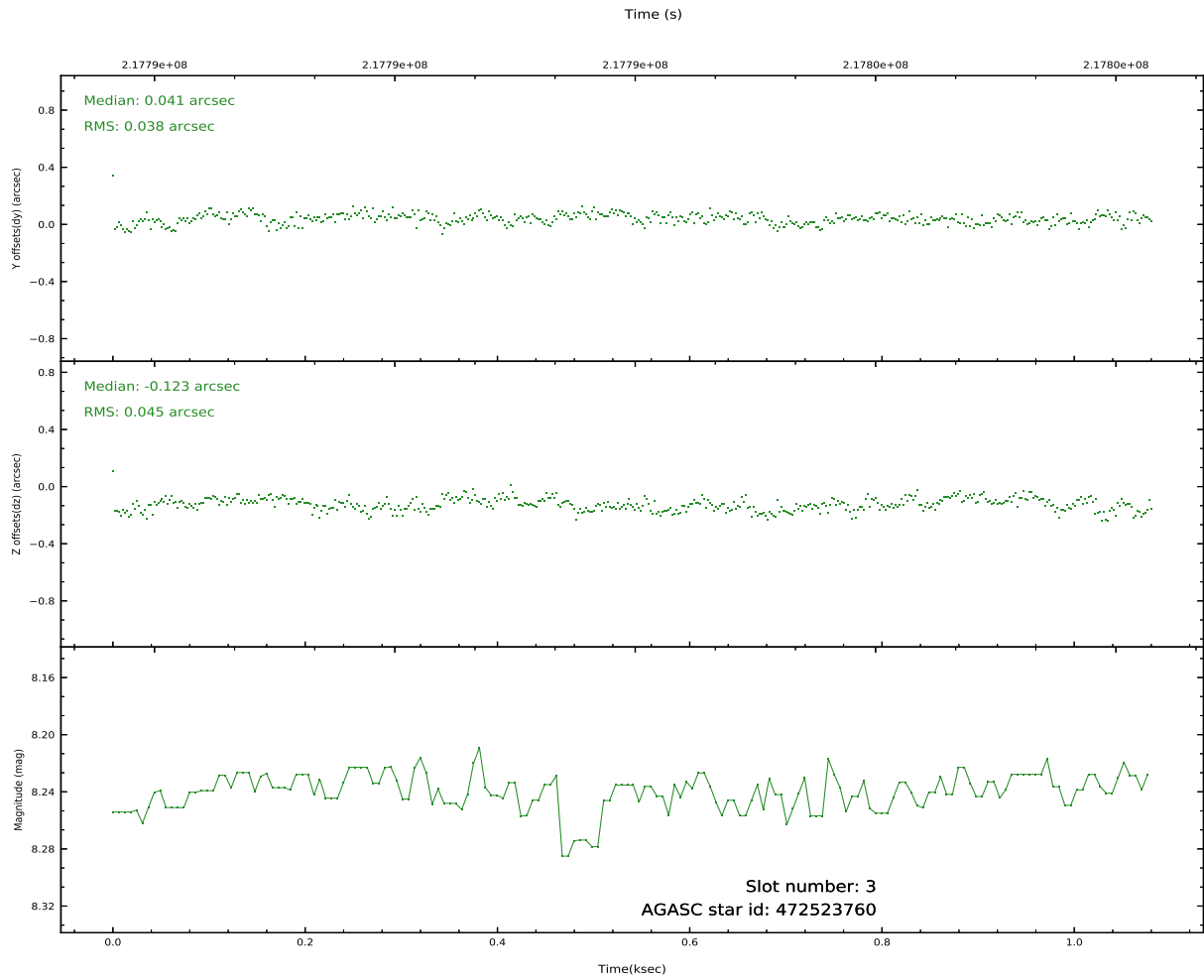
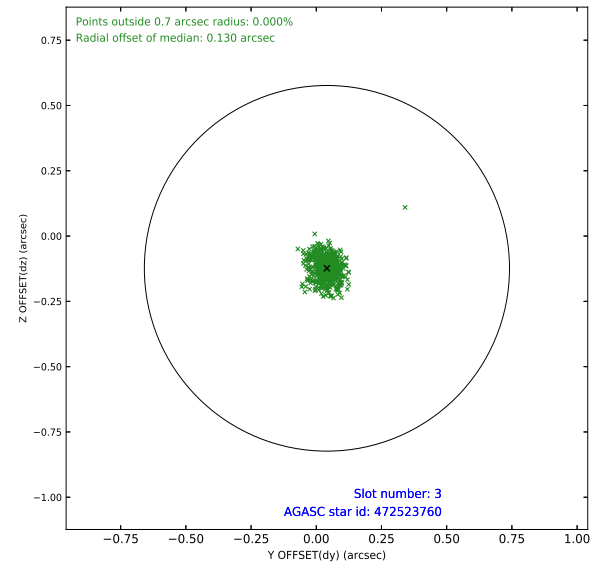
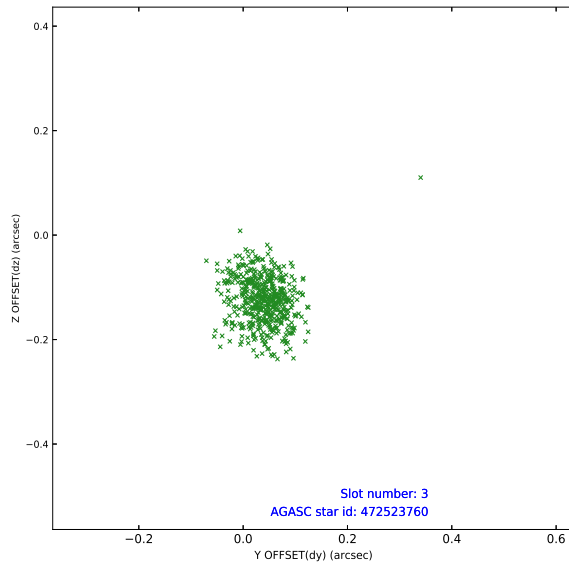


Slot Statistics

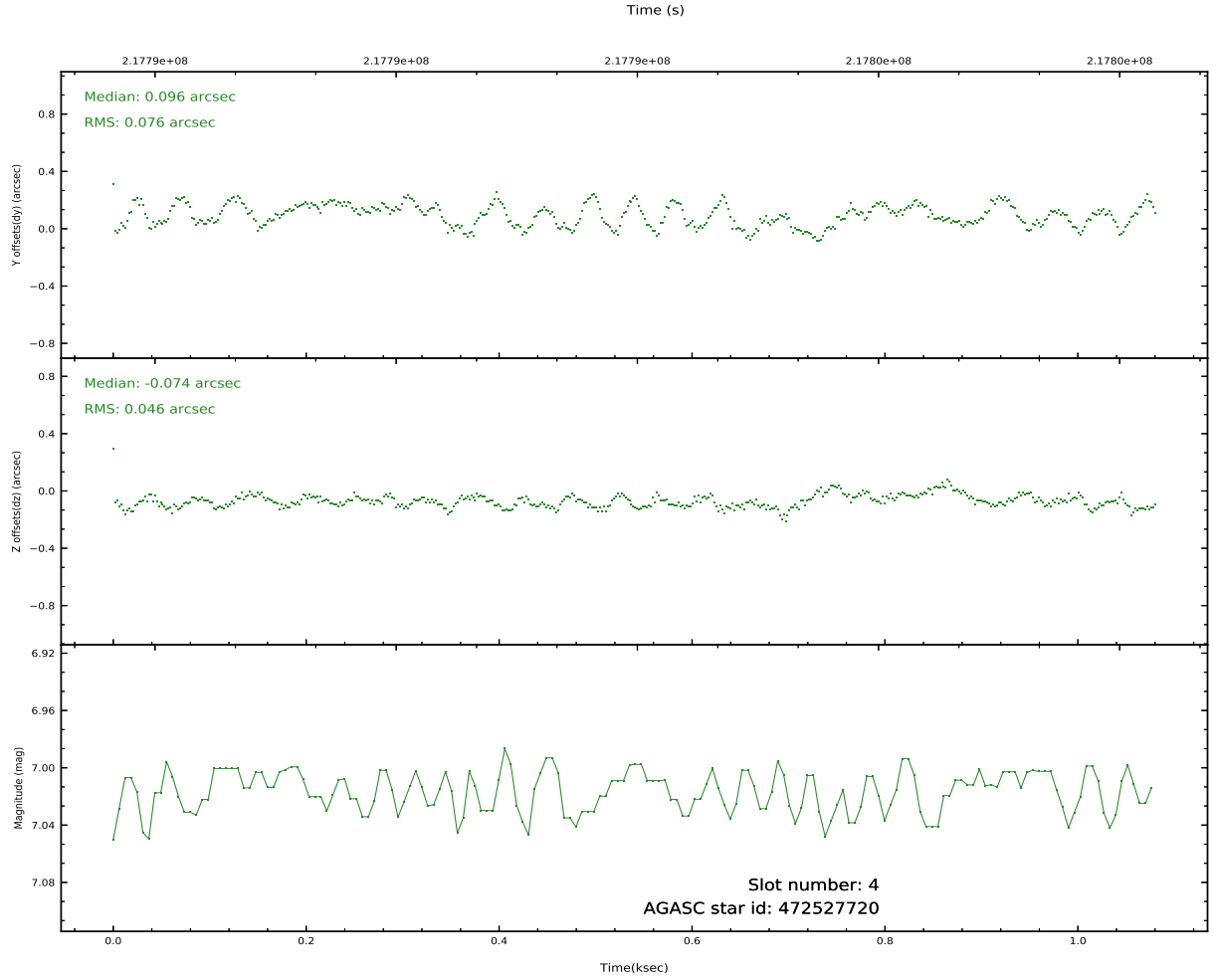
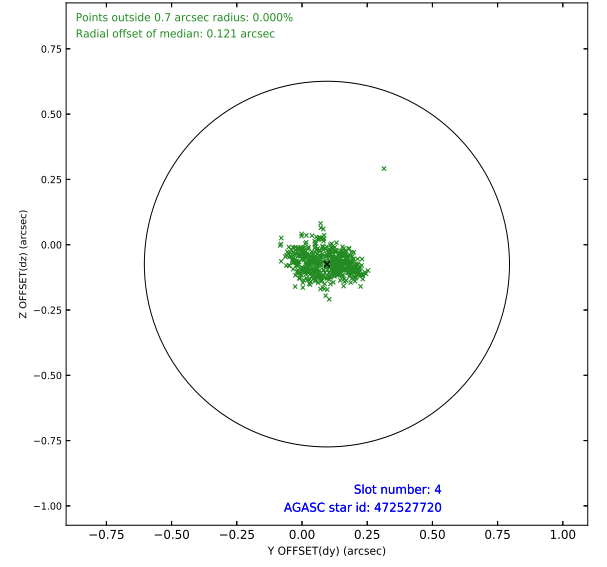
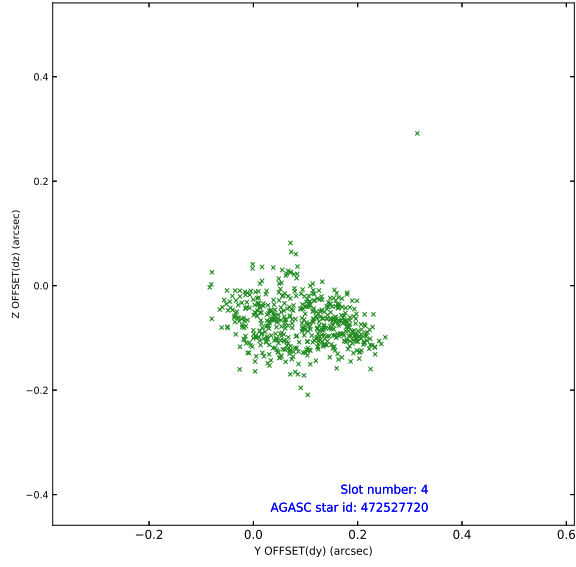
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	264	1.000	0.013	-0.043	0.006	0.010	0.000000	0.000000	-763.08	-1295
1	FID		HRC-I-3	7.09	264	1.000	-0.086	-0.040	0.007	0.010	0.000000	0.000000	-1194.48	1004
2	FID		HRC-I-4	7.05	264	1.000	0.187	-0.006	0.005	0.009	0.000000	0.000000	1275.44	1010
3	GUIDE	used	472523760	8.24	528	1.000	0.041	-0.123	0.062	0.098	331.645363	45.403260	910.53	-1170
4	GUIDE	used	472527720	7.01	528	1.000	0.096	-0.074	0.096	0.144	331.460205	45.112509	1800.49	-1898
5	GUIDE	used	472655152	9.42	525	1.000	0.046	0.200	0.113	0.192	332.504239	45.862991	-136.29	1338
6	GUIDE	used	472659832	9.47	528	1.000	-0.025	0.017	0.132	0.217	332.780399	46.098139	-789.32	2223
7	GUIDE	used	472533912	9.15	526	1.000	-0.146	-0.019	0.075	0.125	331.791136	46.368695	-2353.79	86

2.4 Star Slots

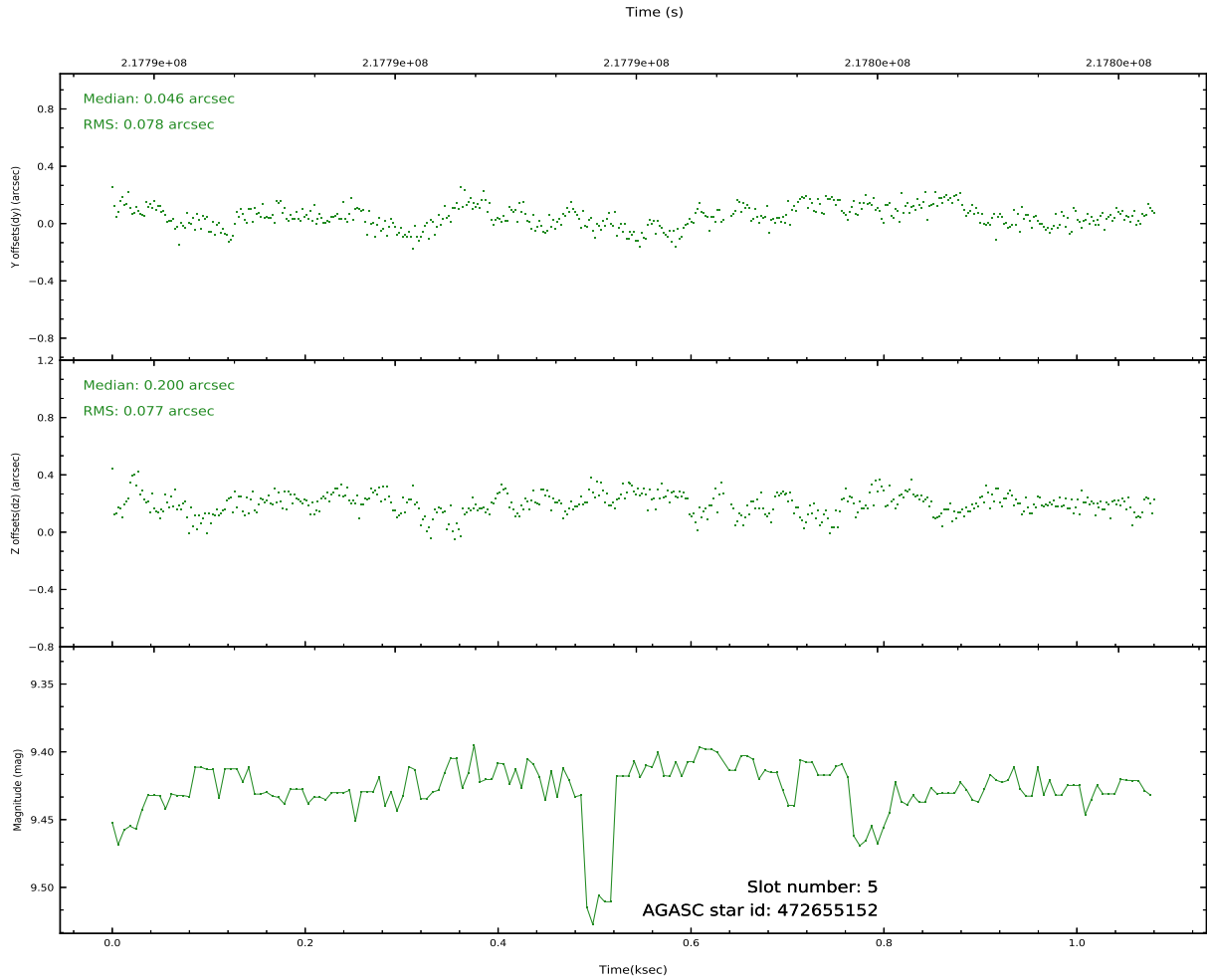
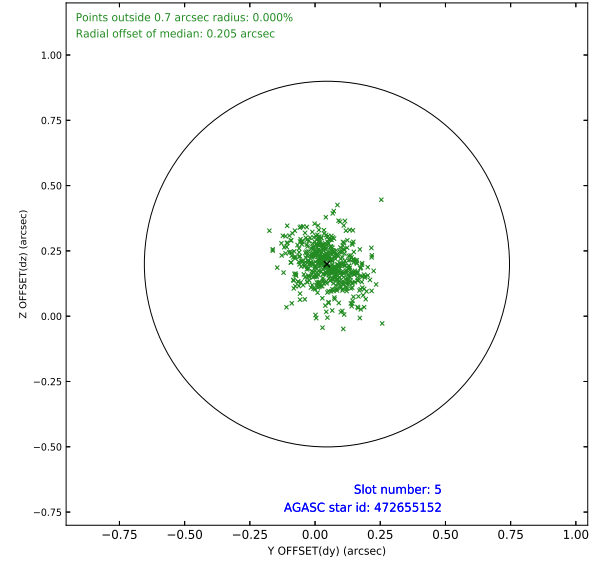
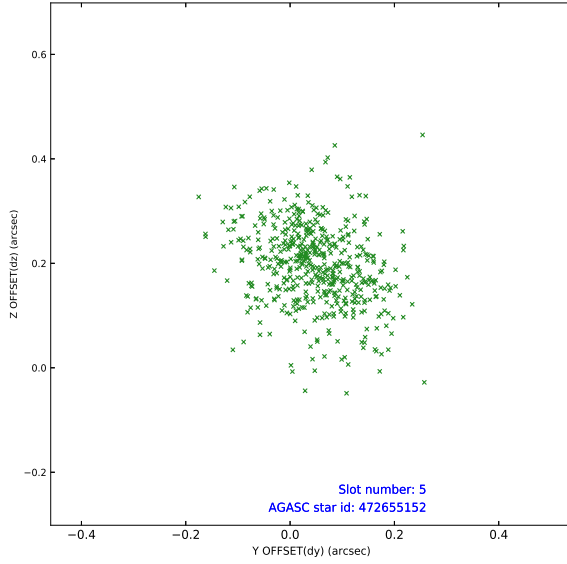
2.4.1 Slot 3



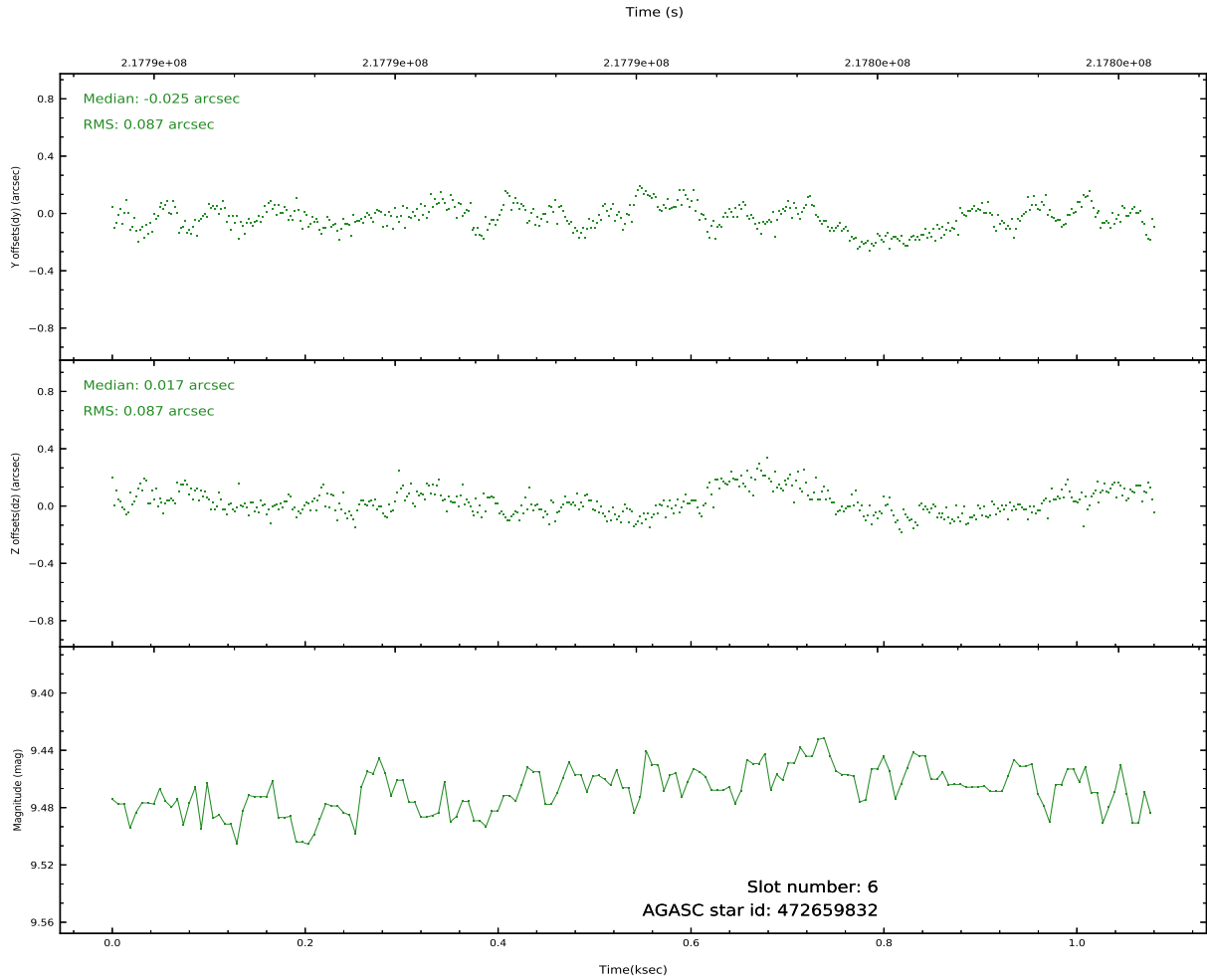
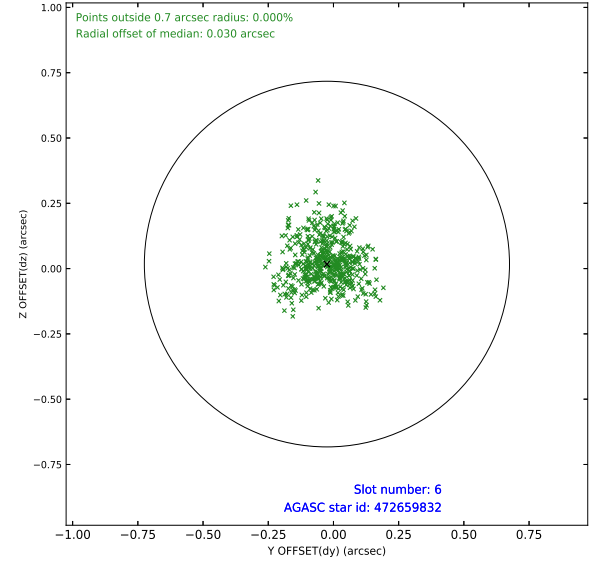
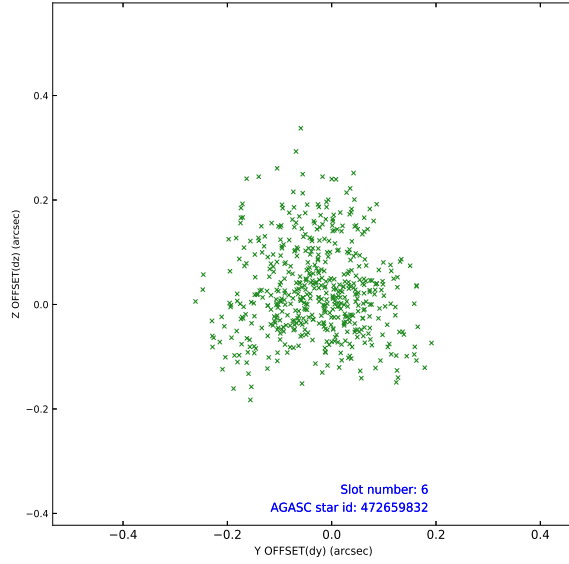
2.4.2 Slot 4



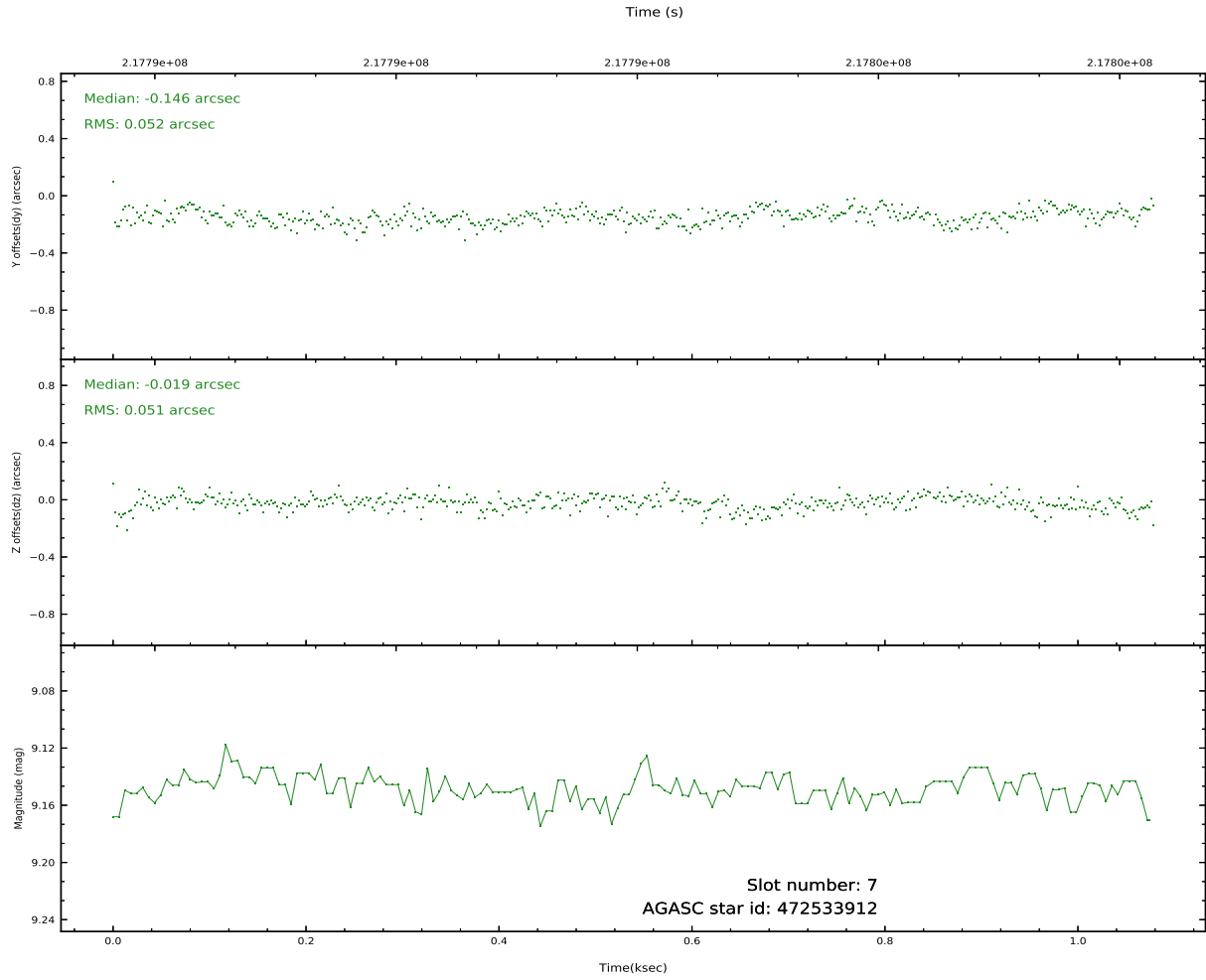
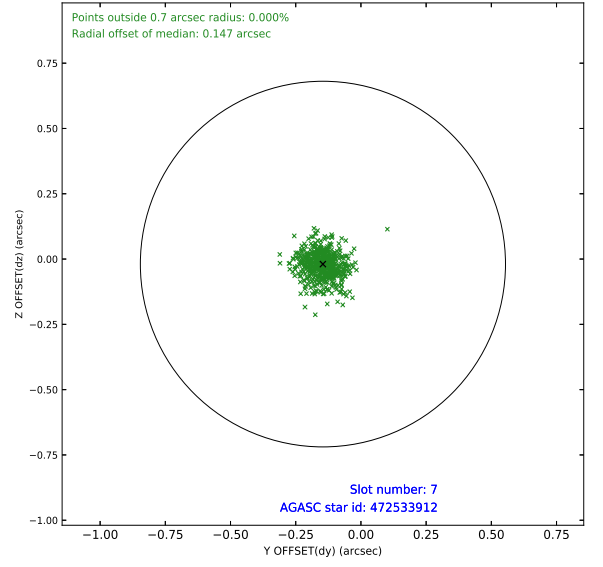
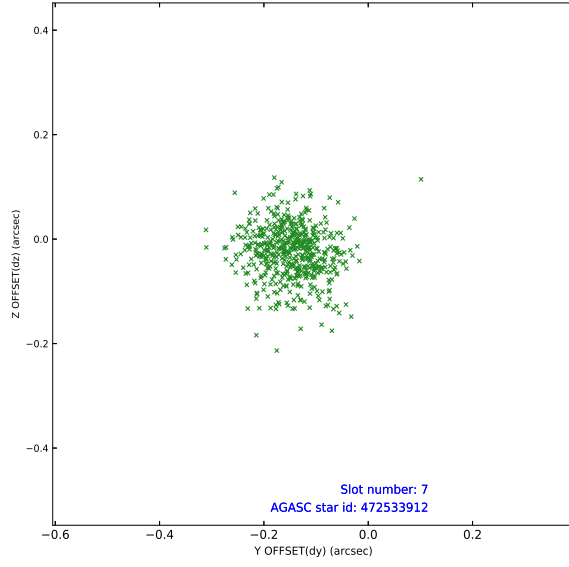
2.4.3 Slot 5



2.4.4 Slot 6

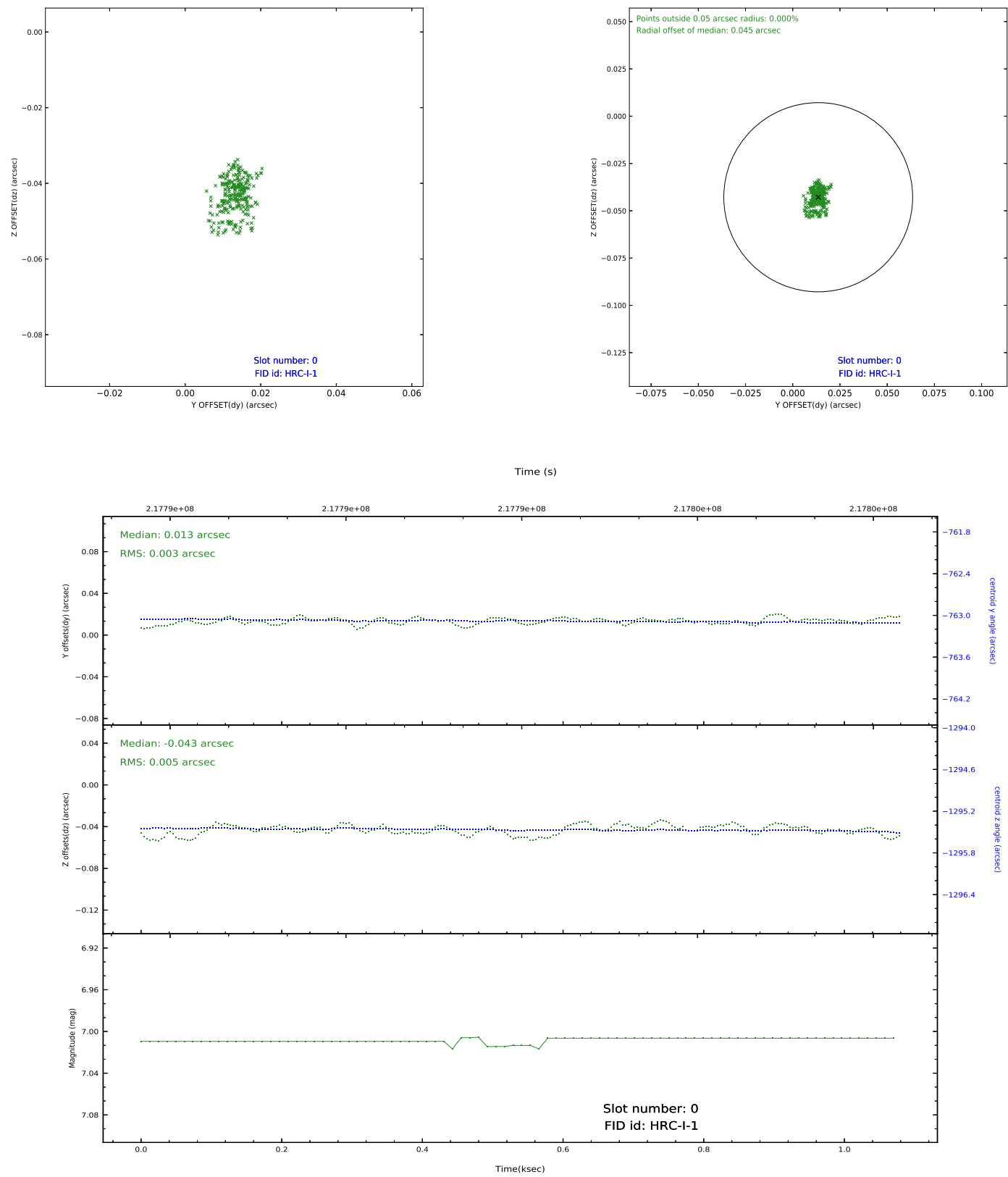


2.4.5 Slot 7

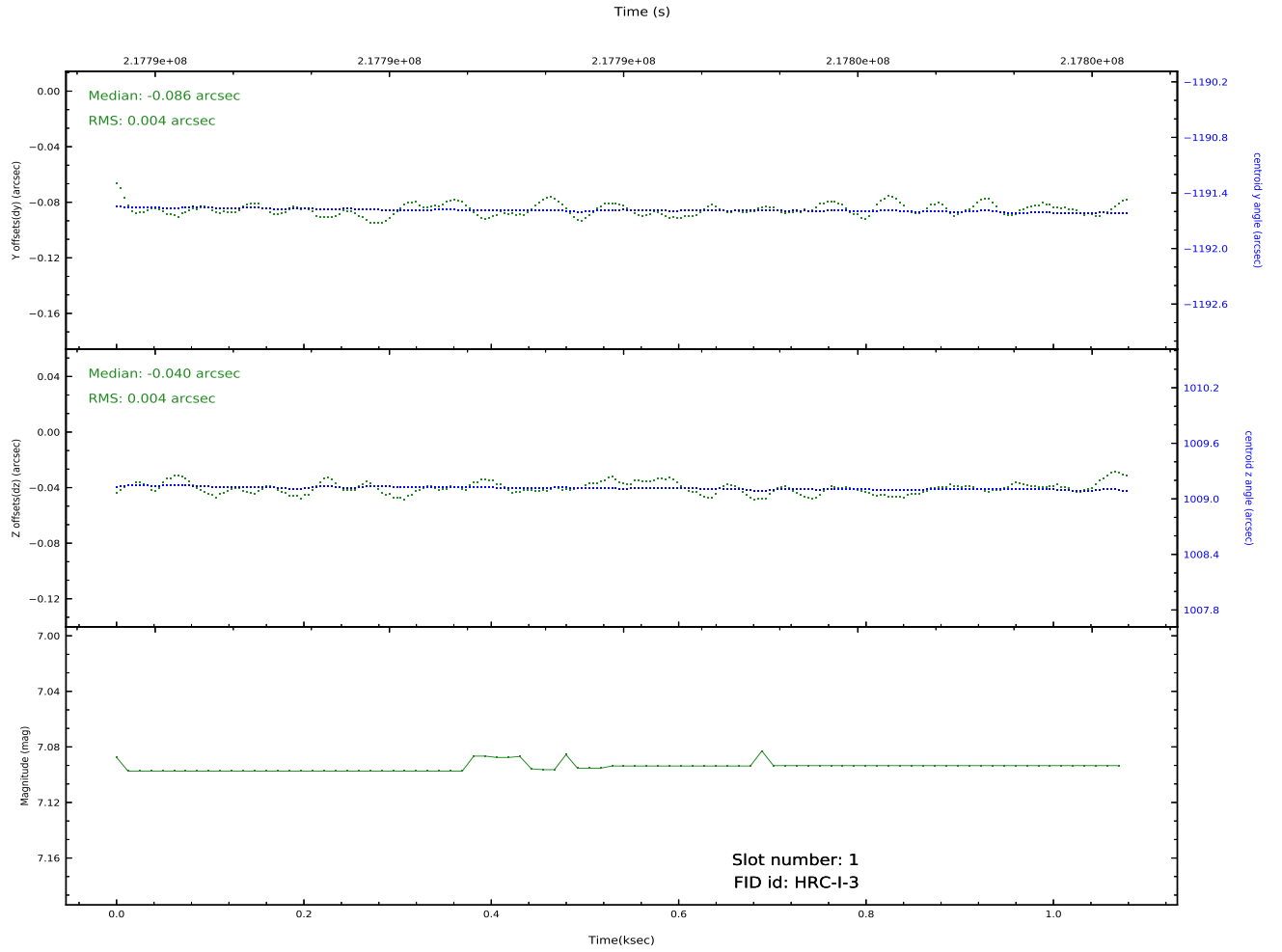
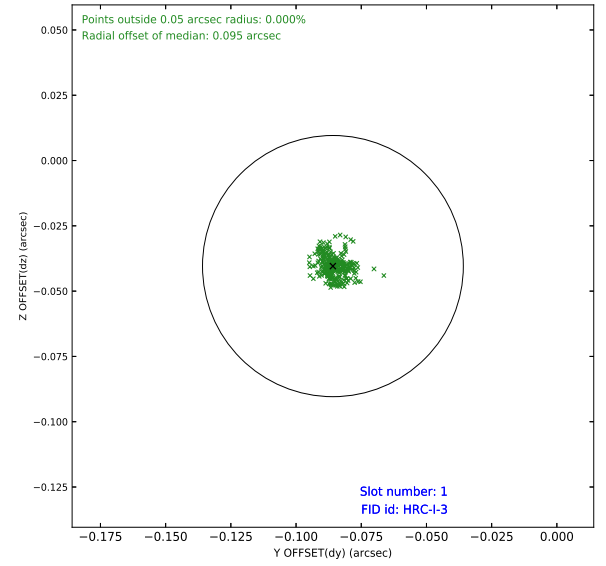
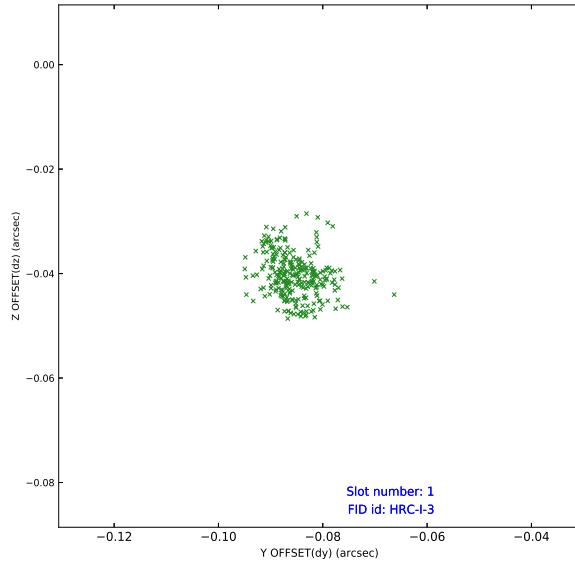


2.5 FID Slots

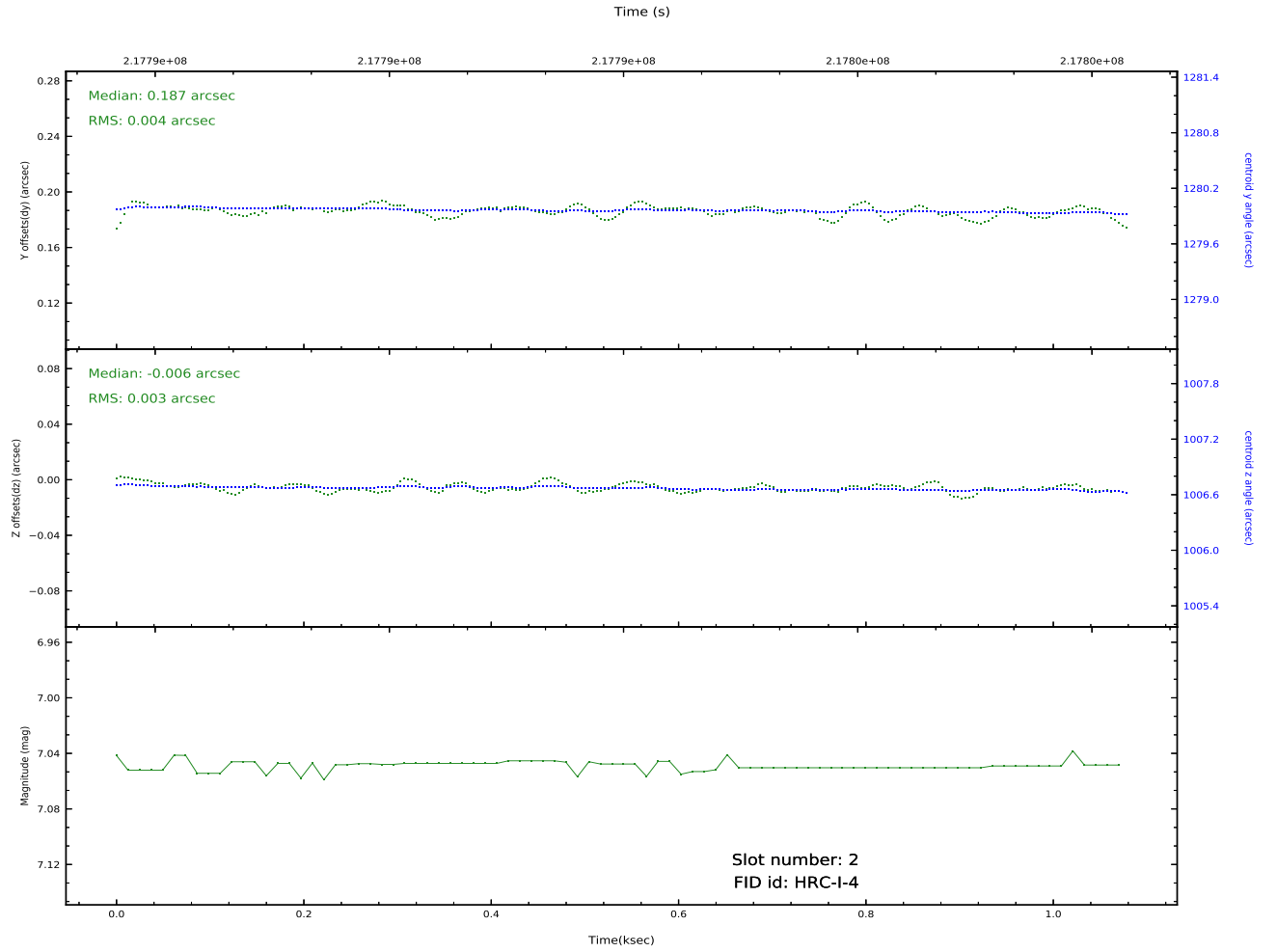
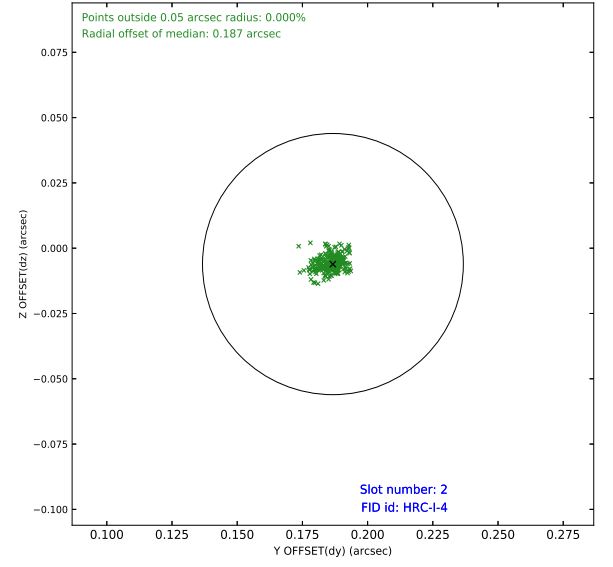
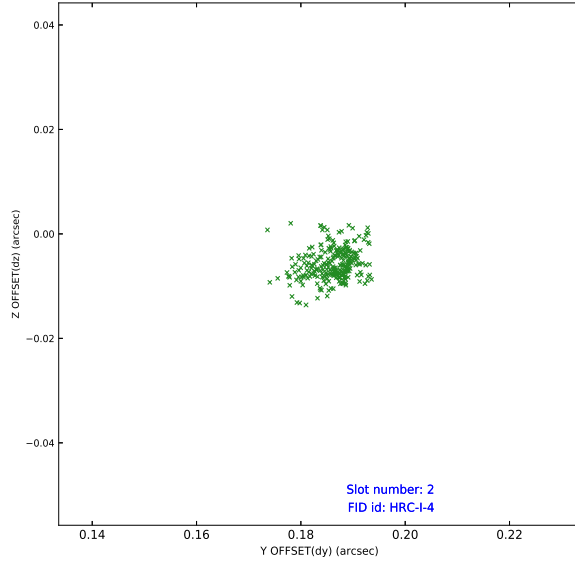
2.5.1 Slot 0



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	1.079581

A.2 Comments