

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5064 - L2 Version 5
Chandra X-Ray Center

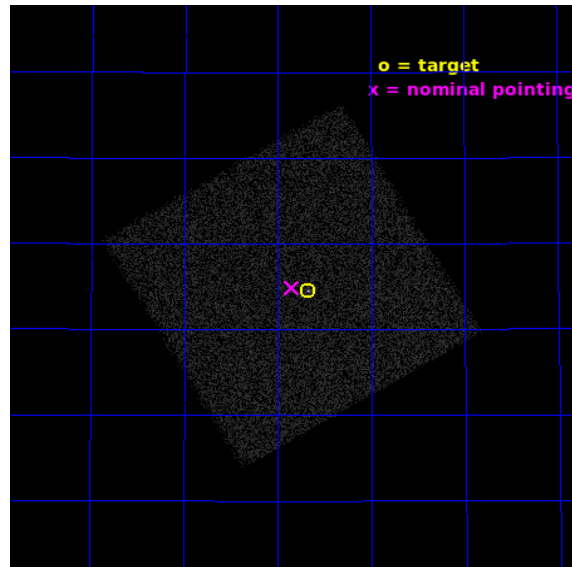
L2 Processing Date : Oct 5 2020

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1 Front

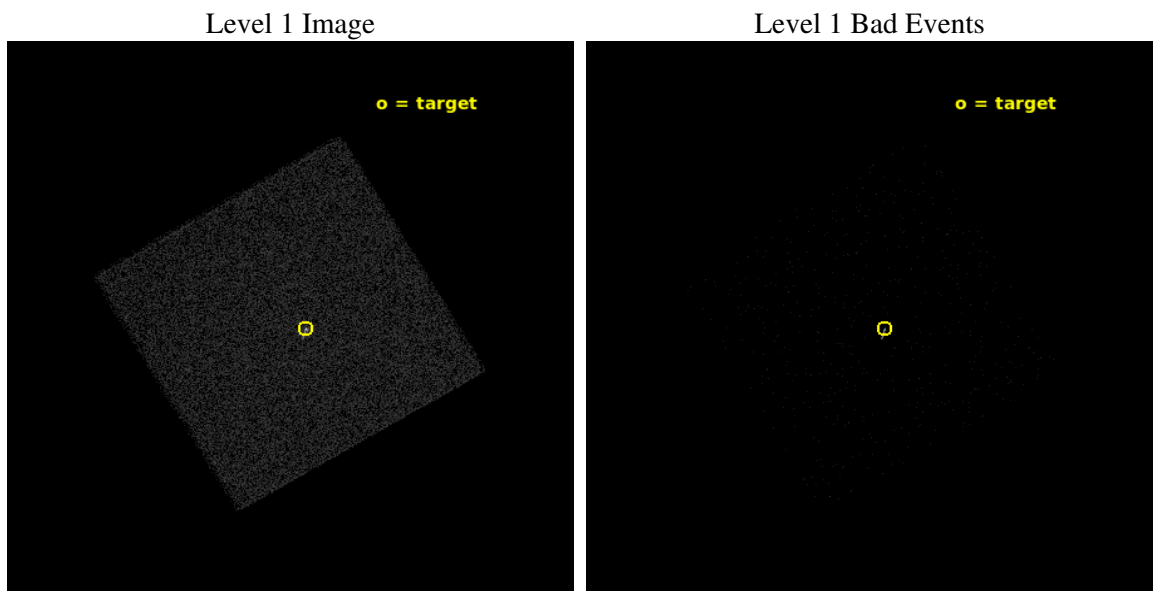
seq_num	290337	Sequence number
obs_id	5064	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21259642799	Nominal RA [deg]
dec_nom	45.748233193048	Nominal Dec [deg]
roll_nom	284.39052490936	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1079.3250485063	[s]
livetime	1071.5416609381	Ontime multiplied by DTCOR
l2events	43830	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	1079.3250485063	[s]
caldbver	4.9.2	 	l1events	82543	Number of level 1 events
date	2020-10-05T06:20:47	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

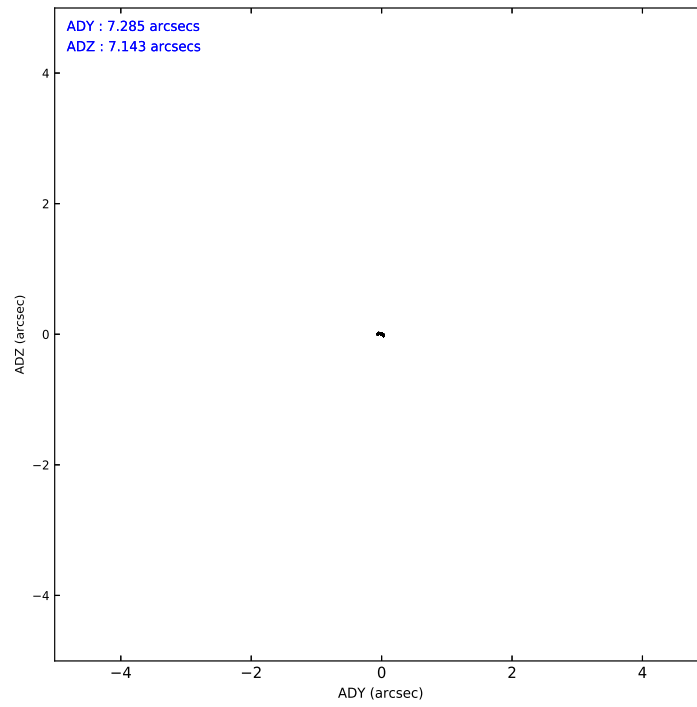
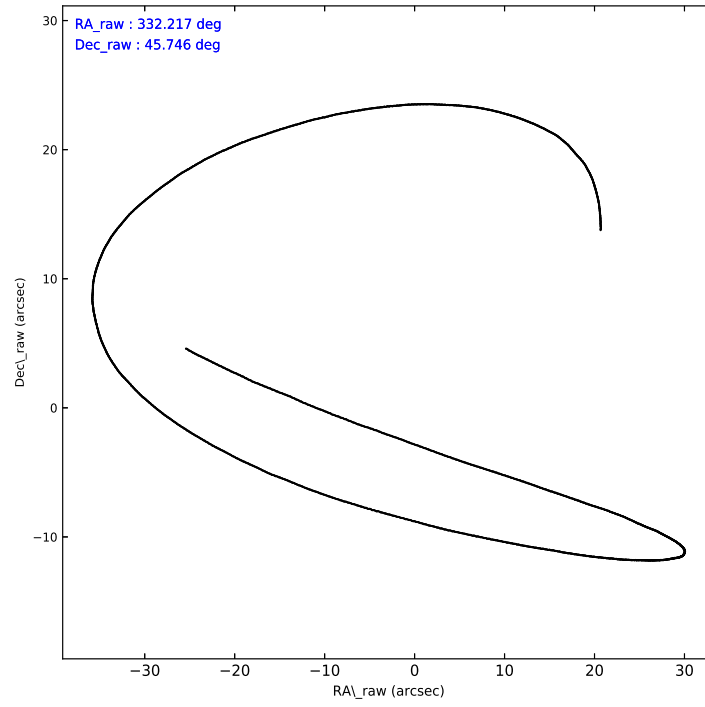
	segment 0
level 1 events	82543
rejected events	19323
rejected %	23%

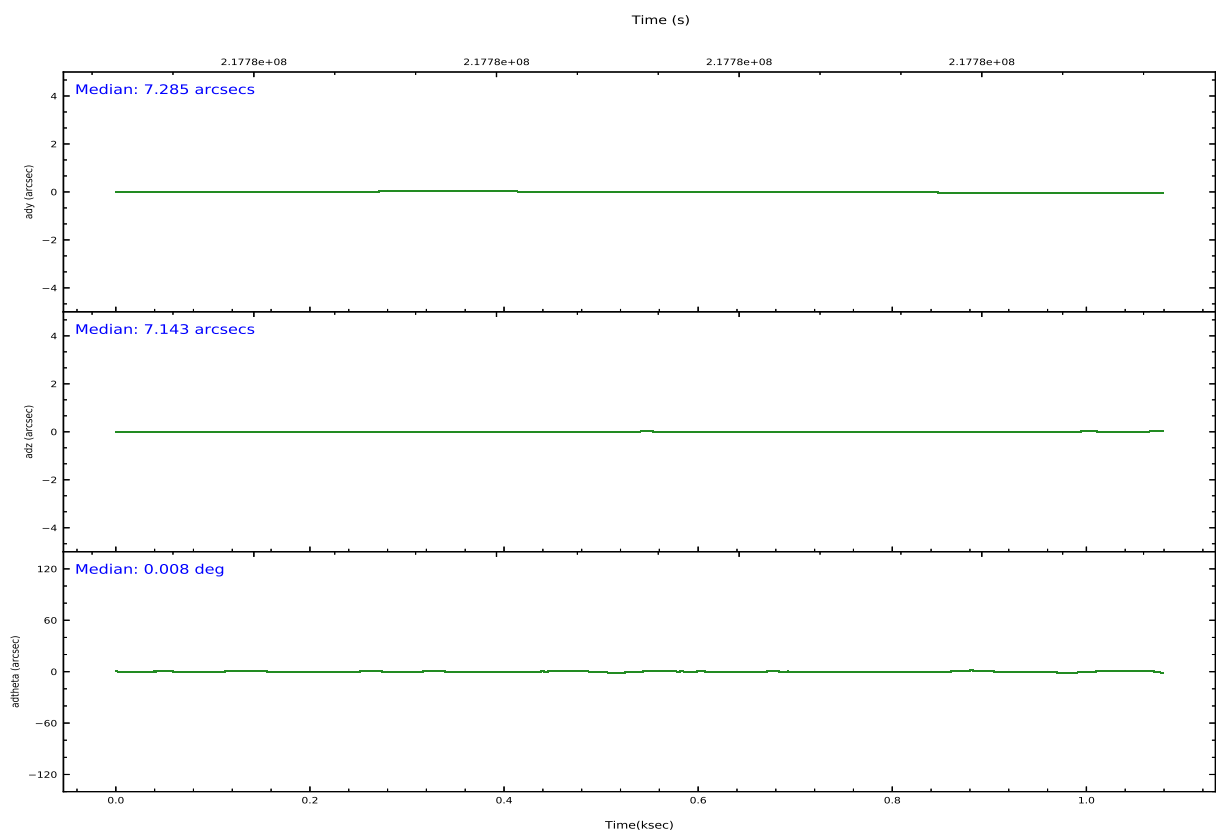
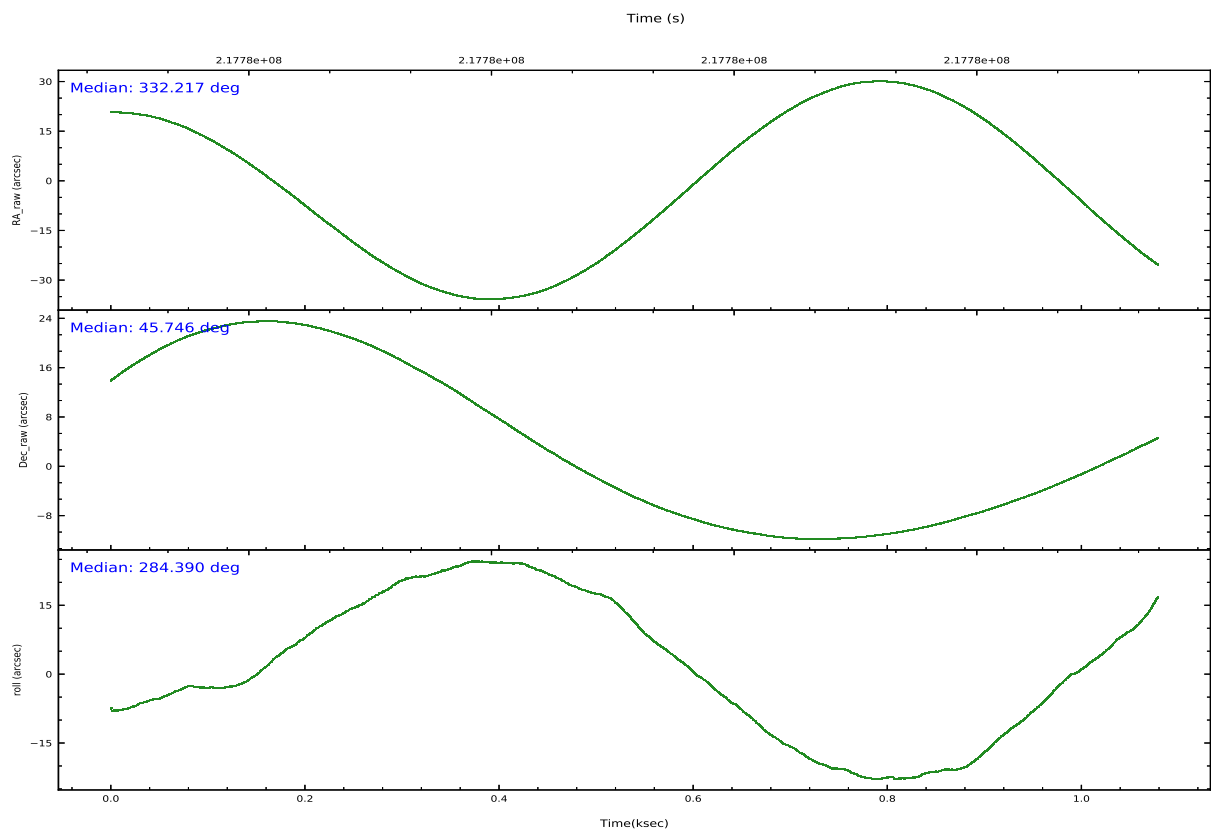
2.2 Compared Parameters

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	332.187562	332.21259642799
[deg] Pointing Dec	45.765451	45.748233193048
[deg] Pointing Roll	284.523350	284.39052490936
[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)	217780287.184000	217779911.35796
Observation start date	2004-11-25T14:30:23	2004-11-25T14:25:11
[s] Observation end time (MET)	217781187.184000	217781320.73302
Observation end date	2004-11-25T14:45:23	2004-11-25T14:48:40

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

2.3 Aspect



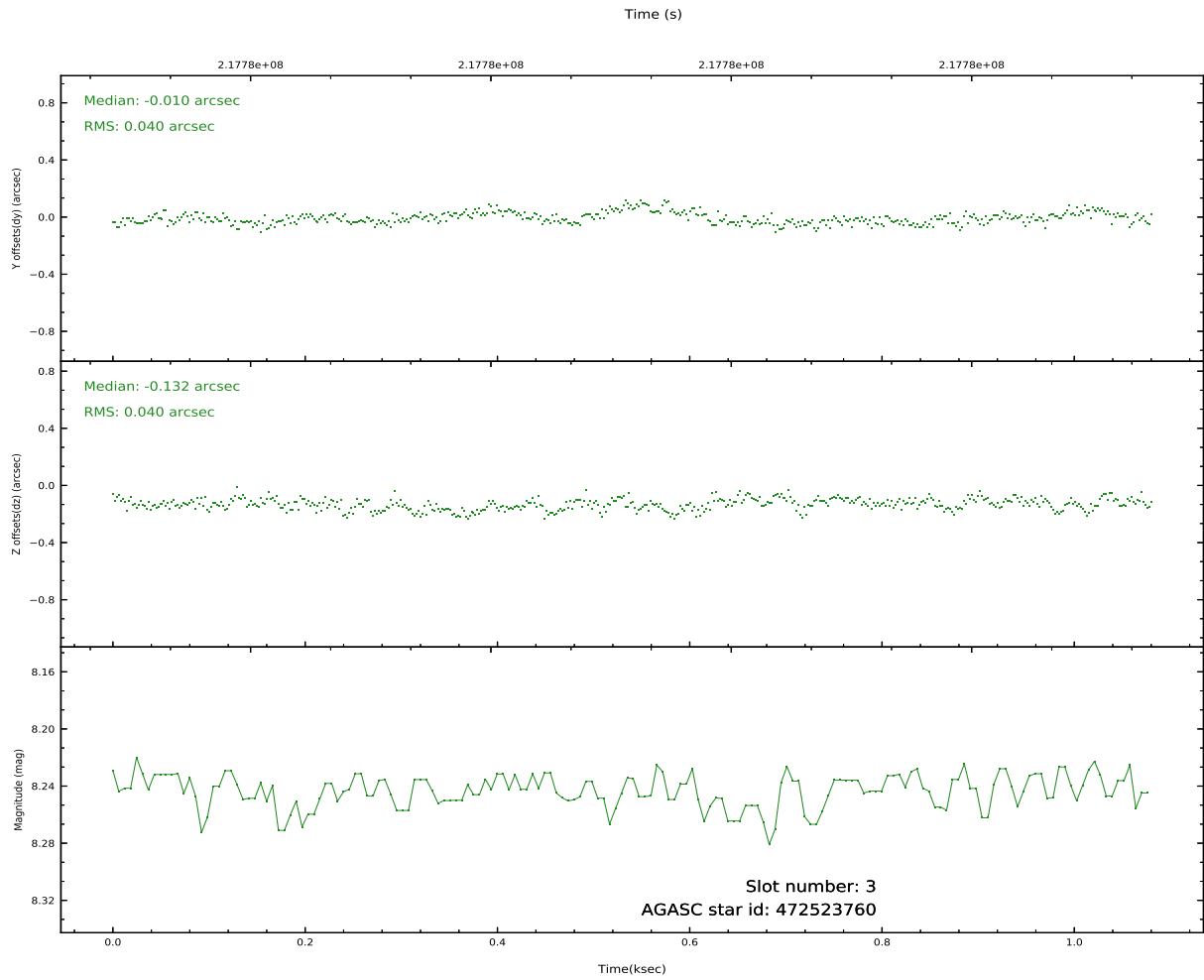
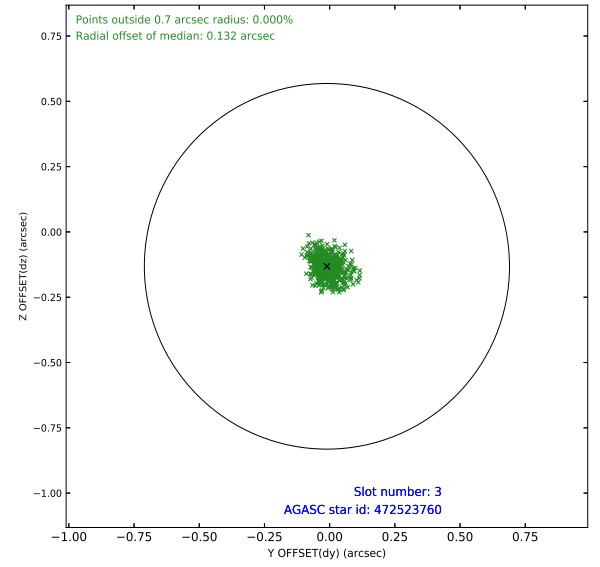
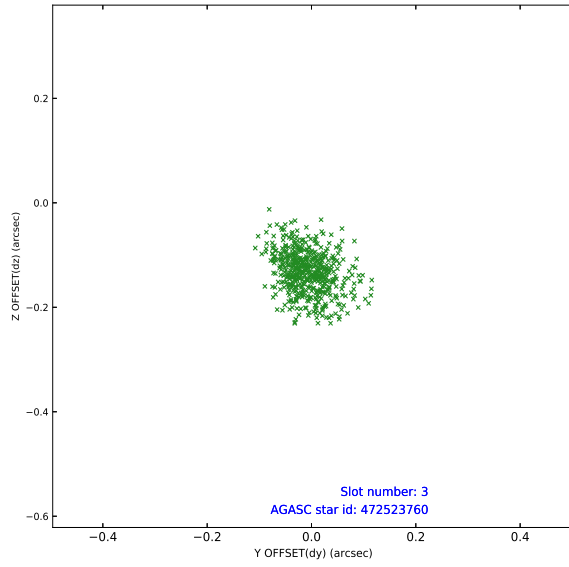


Slot Statistics

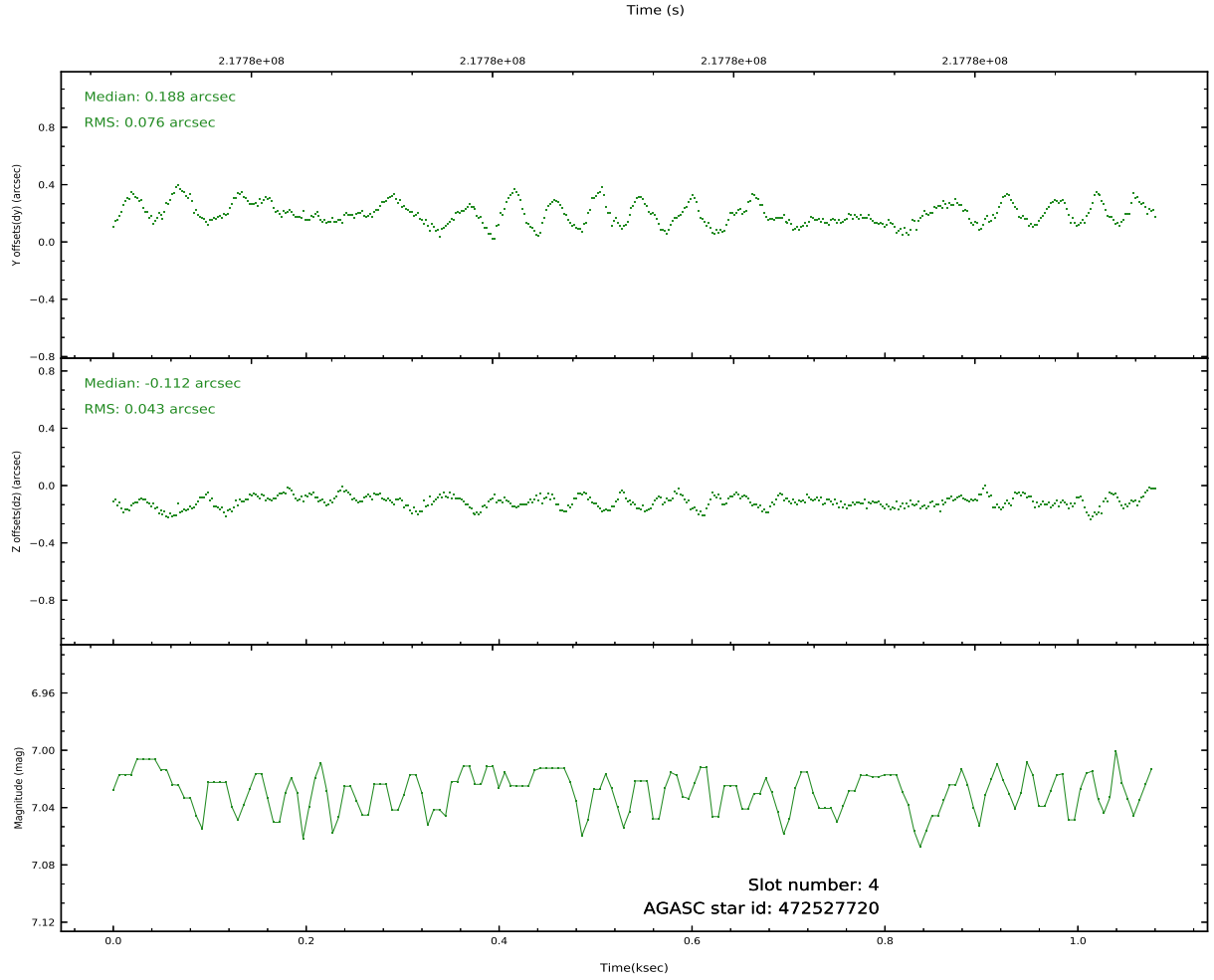
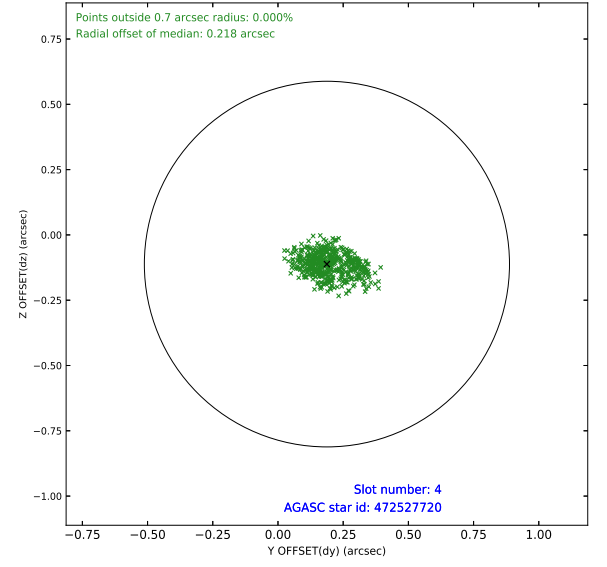
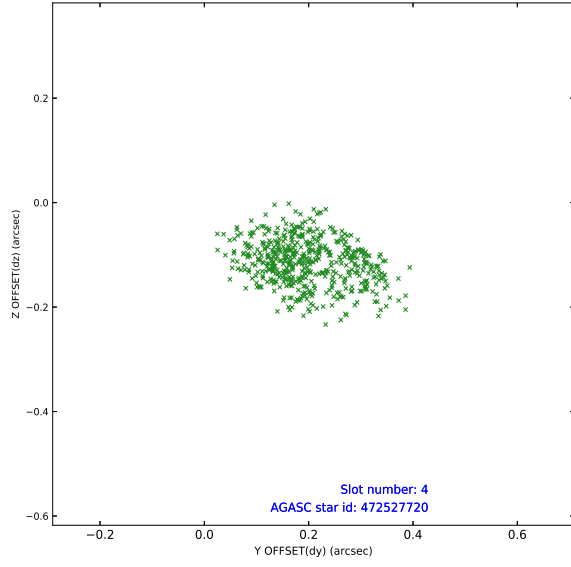
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	264	1.000	-0.014	-0.013	0.006	0.011	0.000000	0.000000	-762.88	-1295
1	FID		HRC-I-2	7.05	264	1.000	0.152	-0.100	0.005	0.011	0.000000	0.000000	847.03	-1301
2	FID		HRC-I-3	7.09	264	1.000	-0.019	0.024	0.006	0.010	0.000000	0.000000	-1188.17	1004
3	GUIDE	used	472523760	8.24	528	1.000	-0.010	-0.132	0.059	0.101	331.645363	45.403260	914.58	-1654
4	GUIDE	used	472527720	7.03	528	1.000	0.188	-0.112	0.094	0.151	331.460205	45.112509	1806.59	-2381
5	GUIDE	used	472655152	9.44	526	1.000	0.019	0.105	0.092	0.152	332.504239	45.862991	-138.76	850
6	GUIDE	used	472659832	9.47	528	1.000	-0.097	0.081	0.097	0.159	332.780399	46.098139	-793.98	1733
7	GUIDE	used	472533912	9.15	526	1.000	-0.116	0.066	0.079	0.135	331.791136	46.368695	-2352.94	-407

2.4 Star Slots

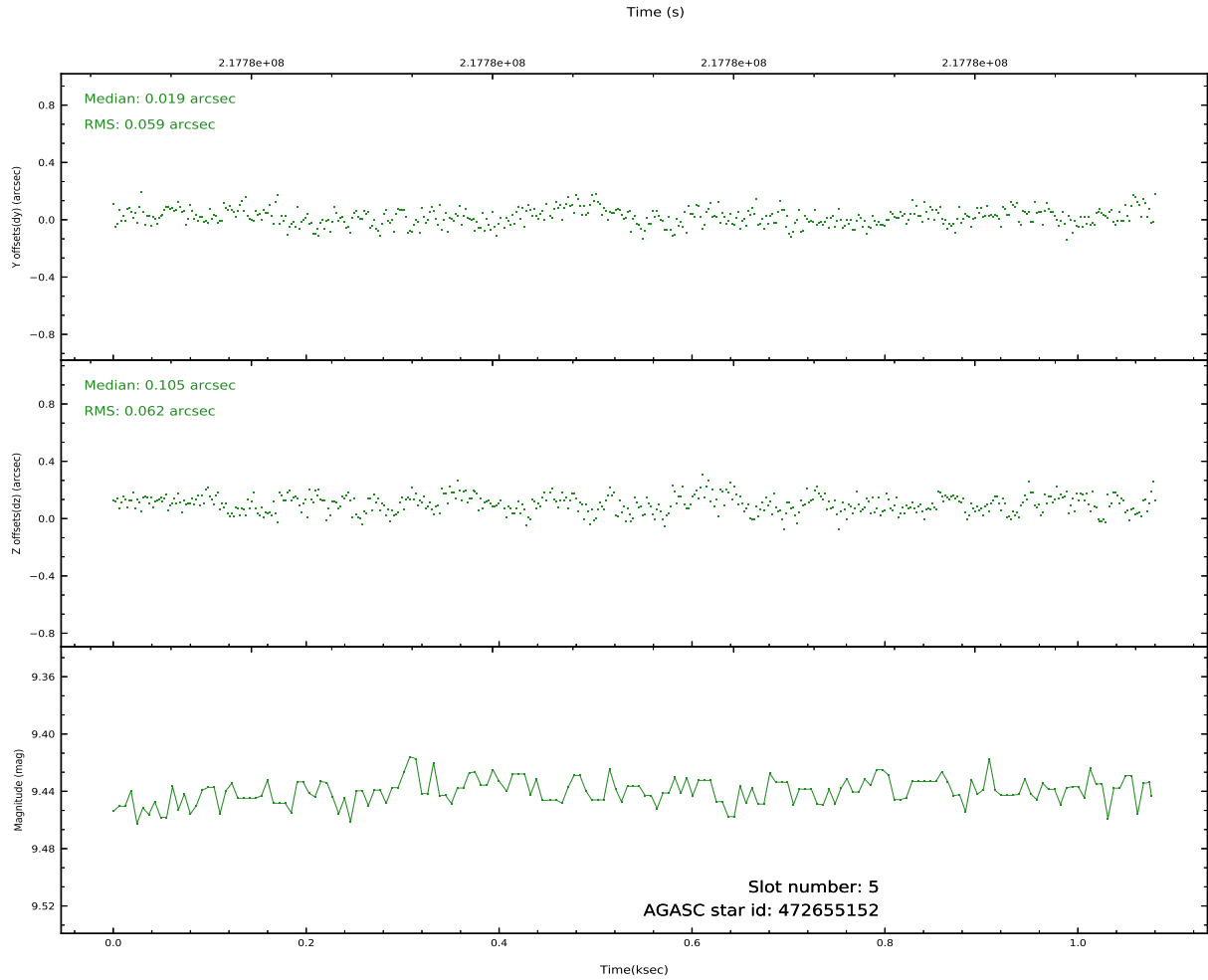
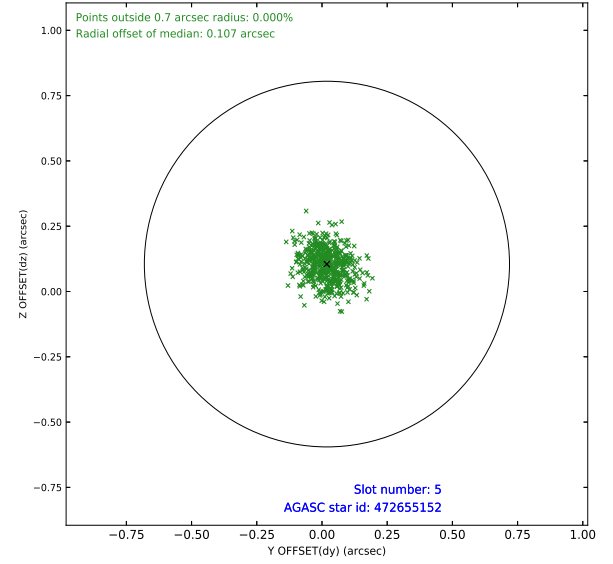
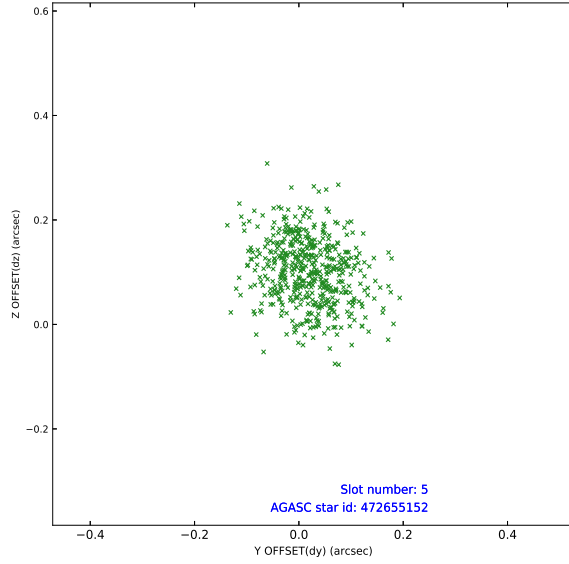
2.4.1 Slot 3



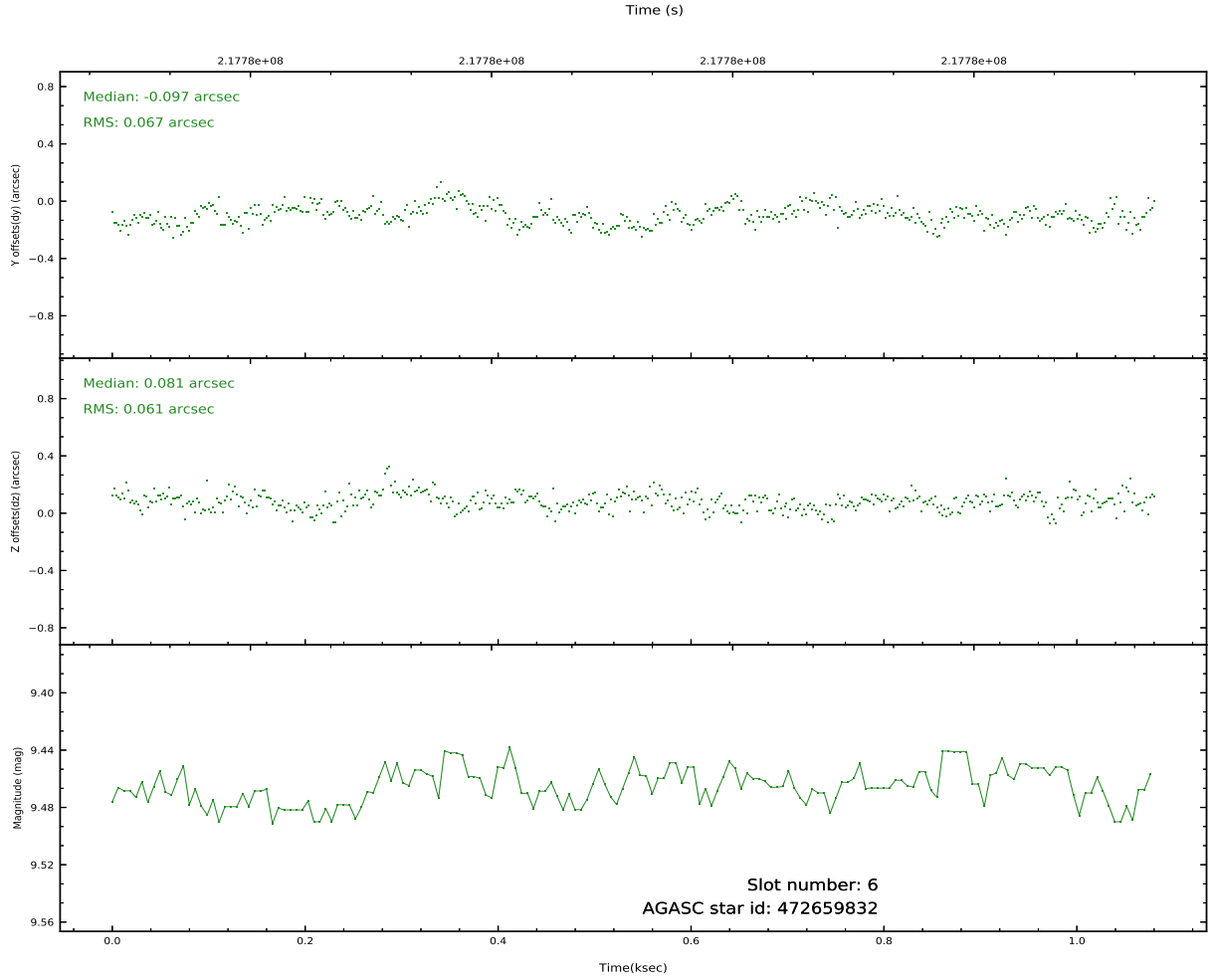
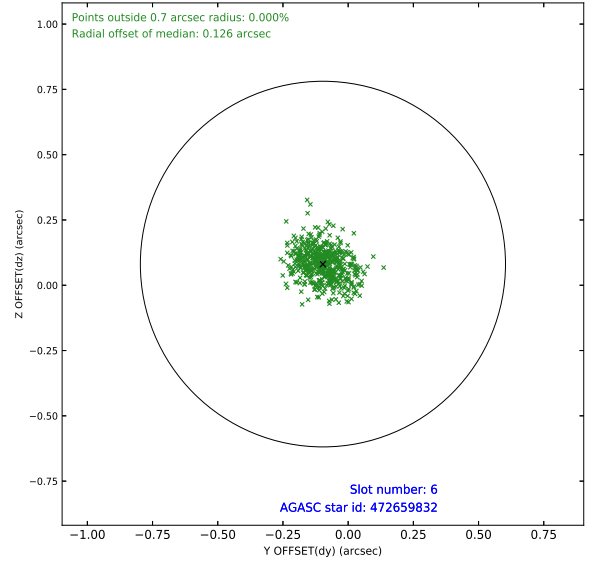
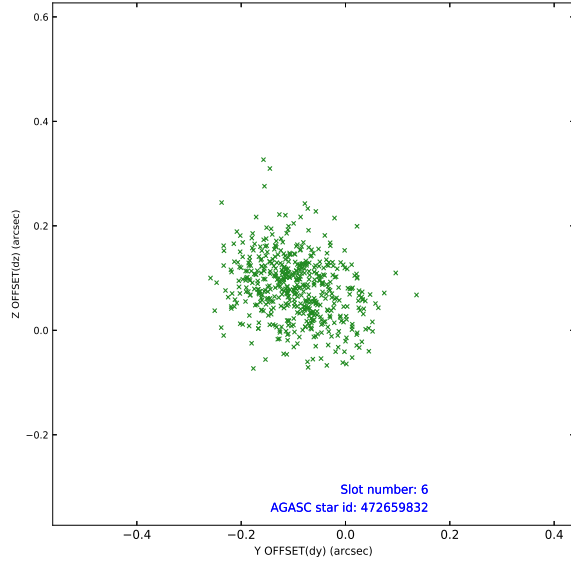
2.4.2 Slot 4



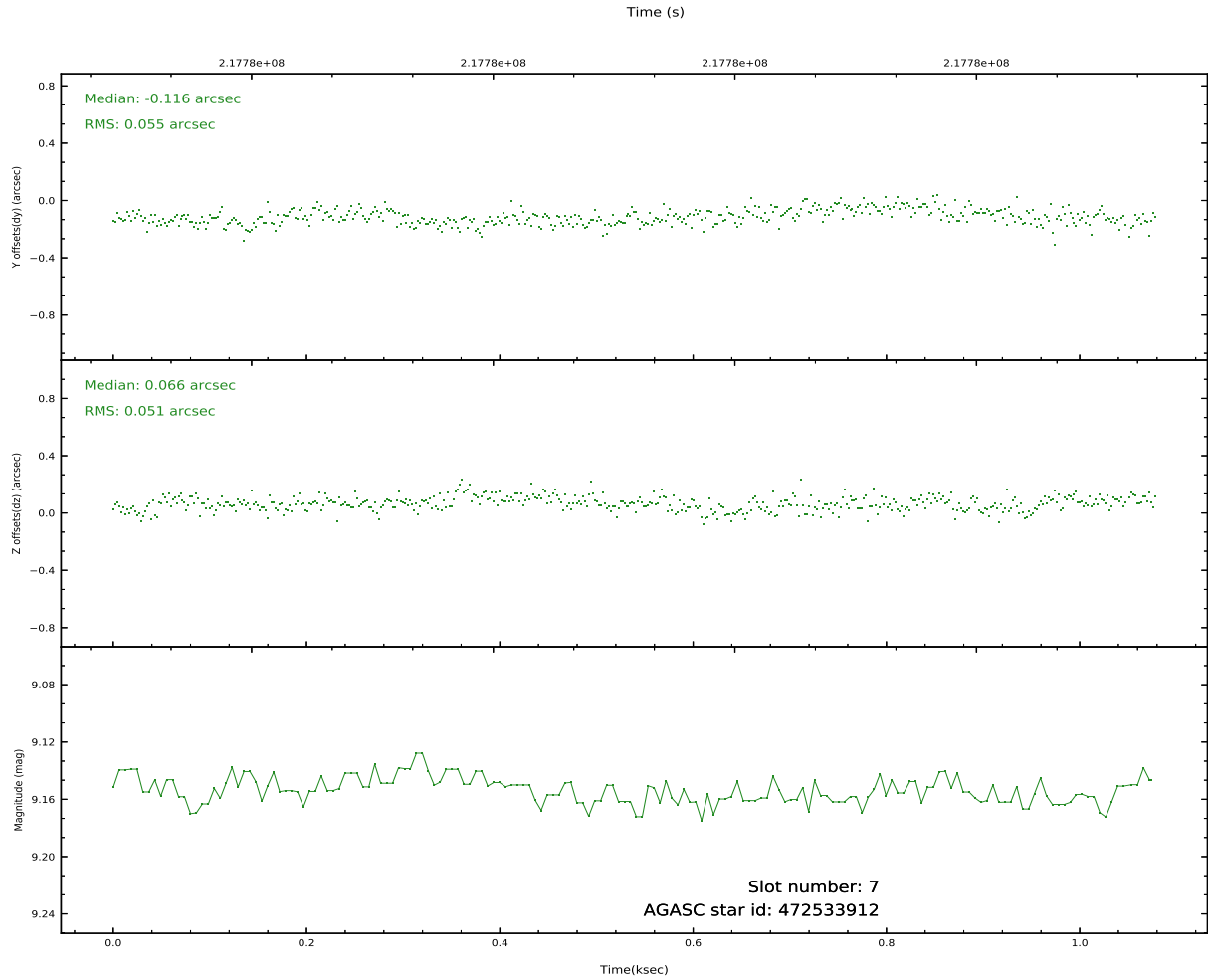
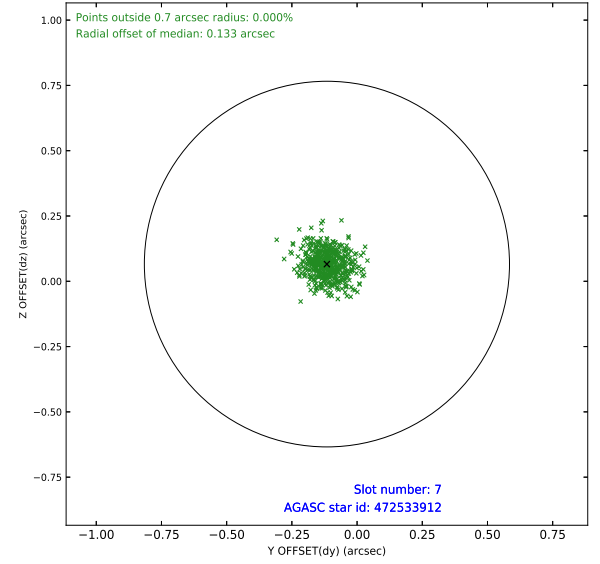
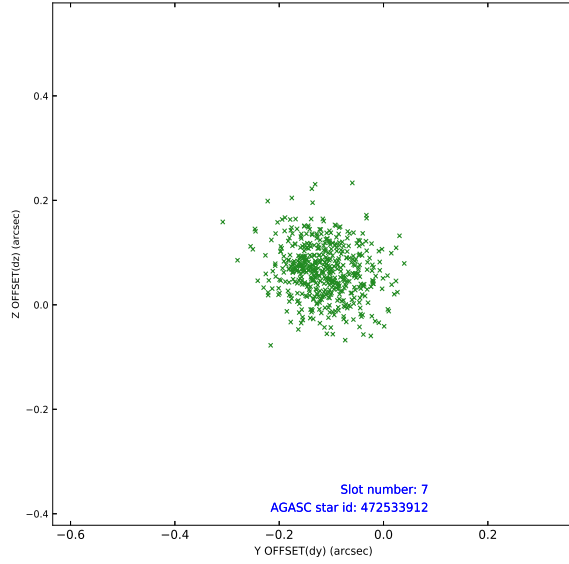
2.4.3 Slot 5



2.4.4 Slot 6

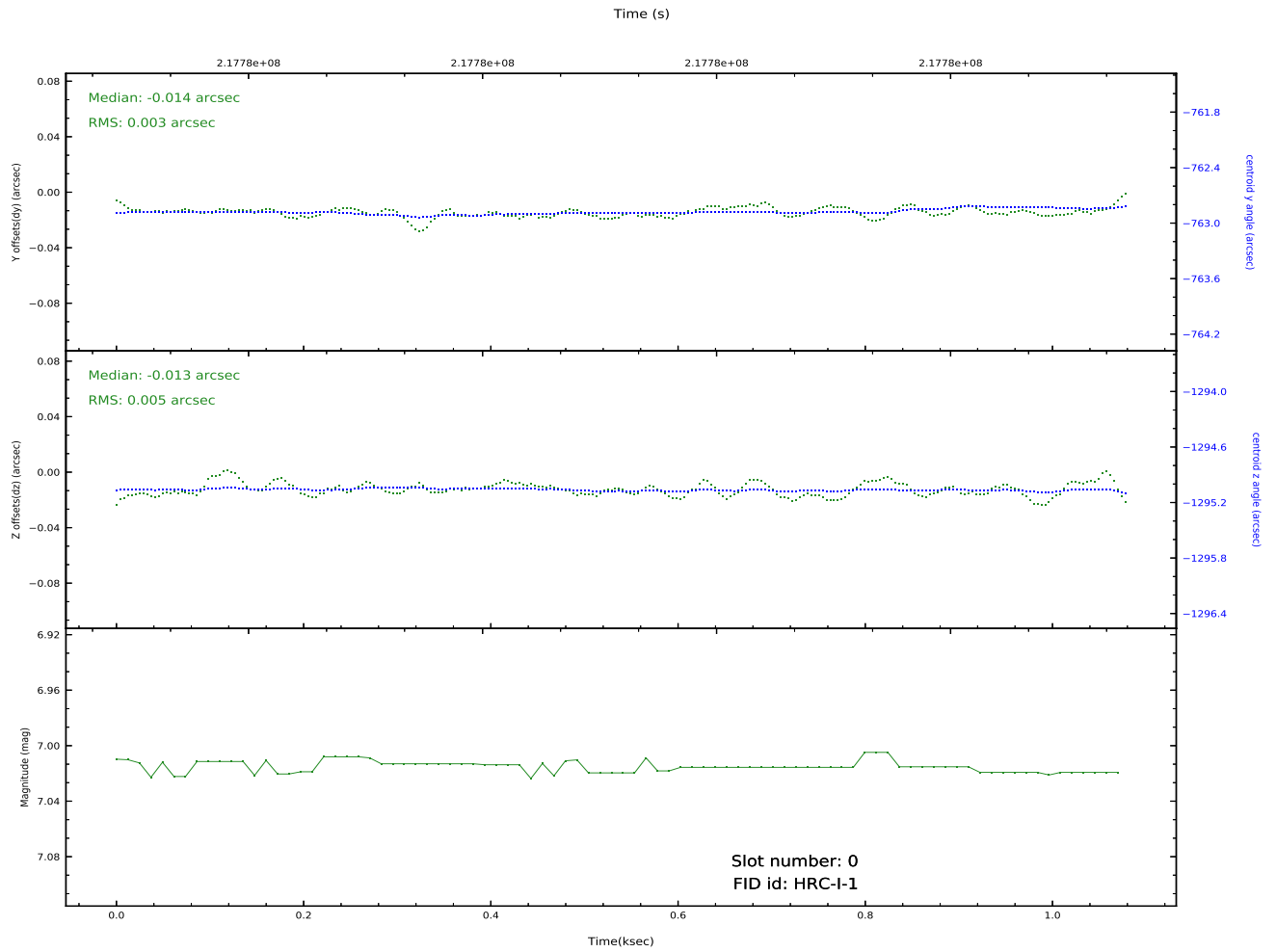
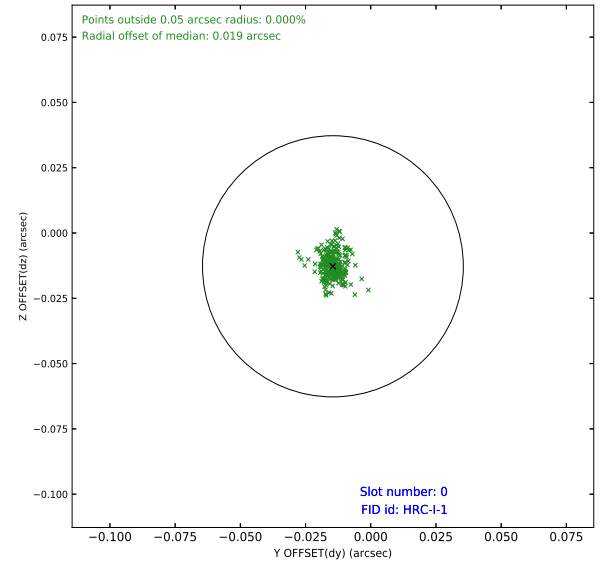
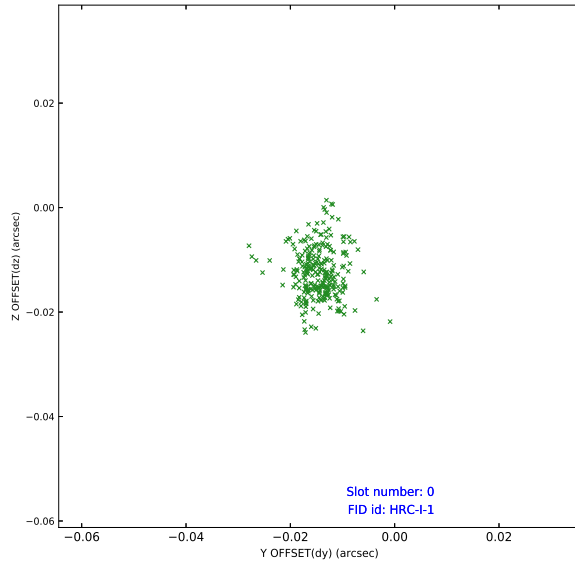


2.4.5 Slot 7

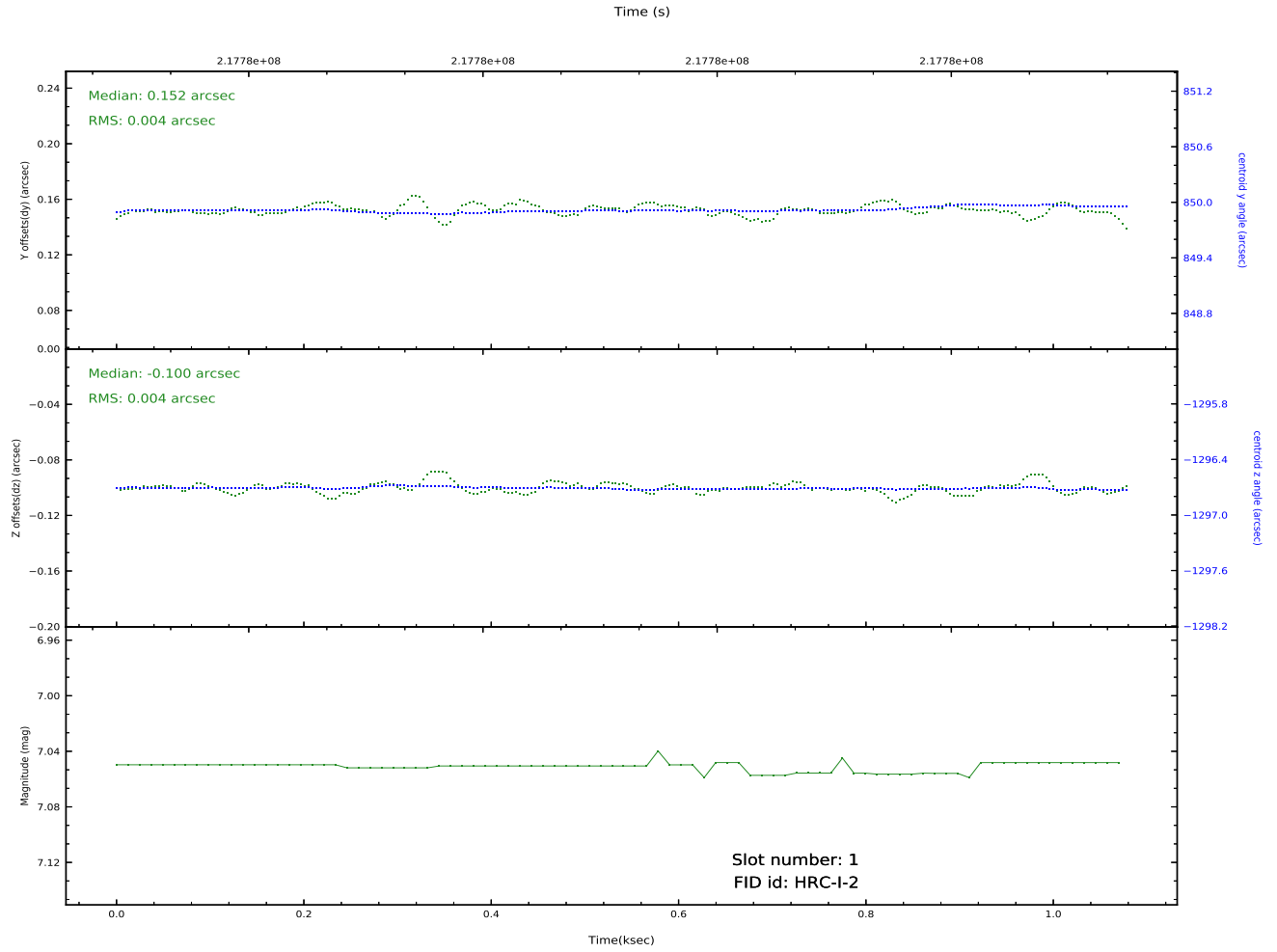
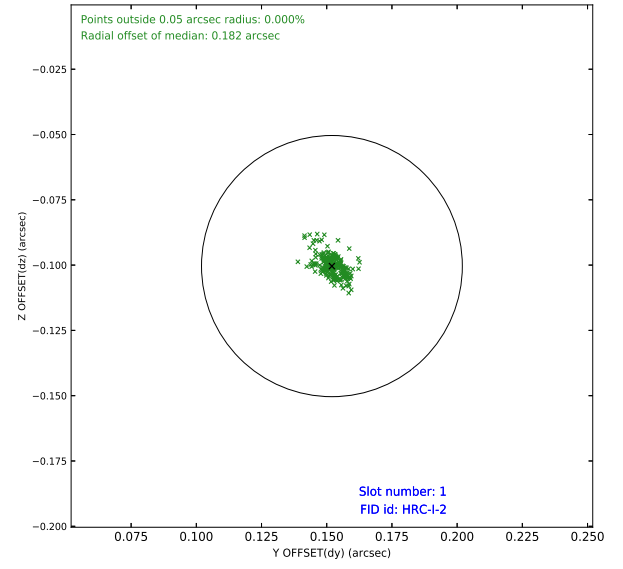
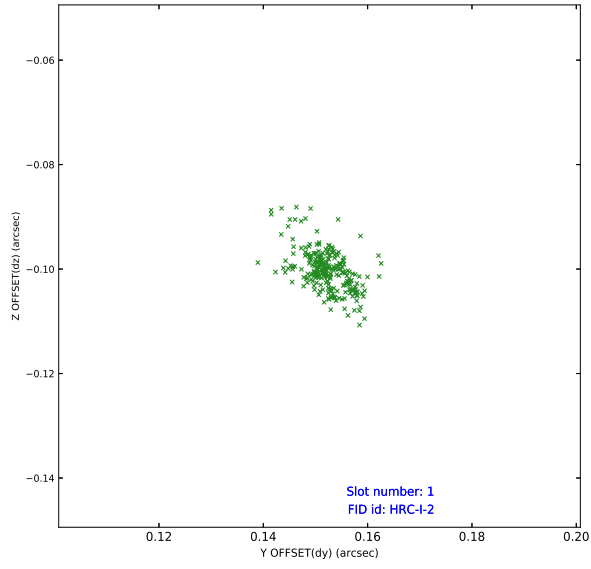


2.5 FID Slots

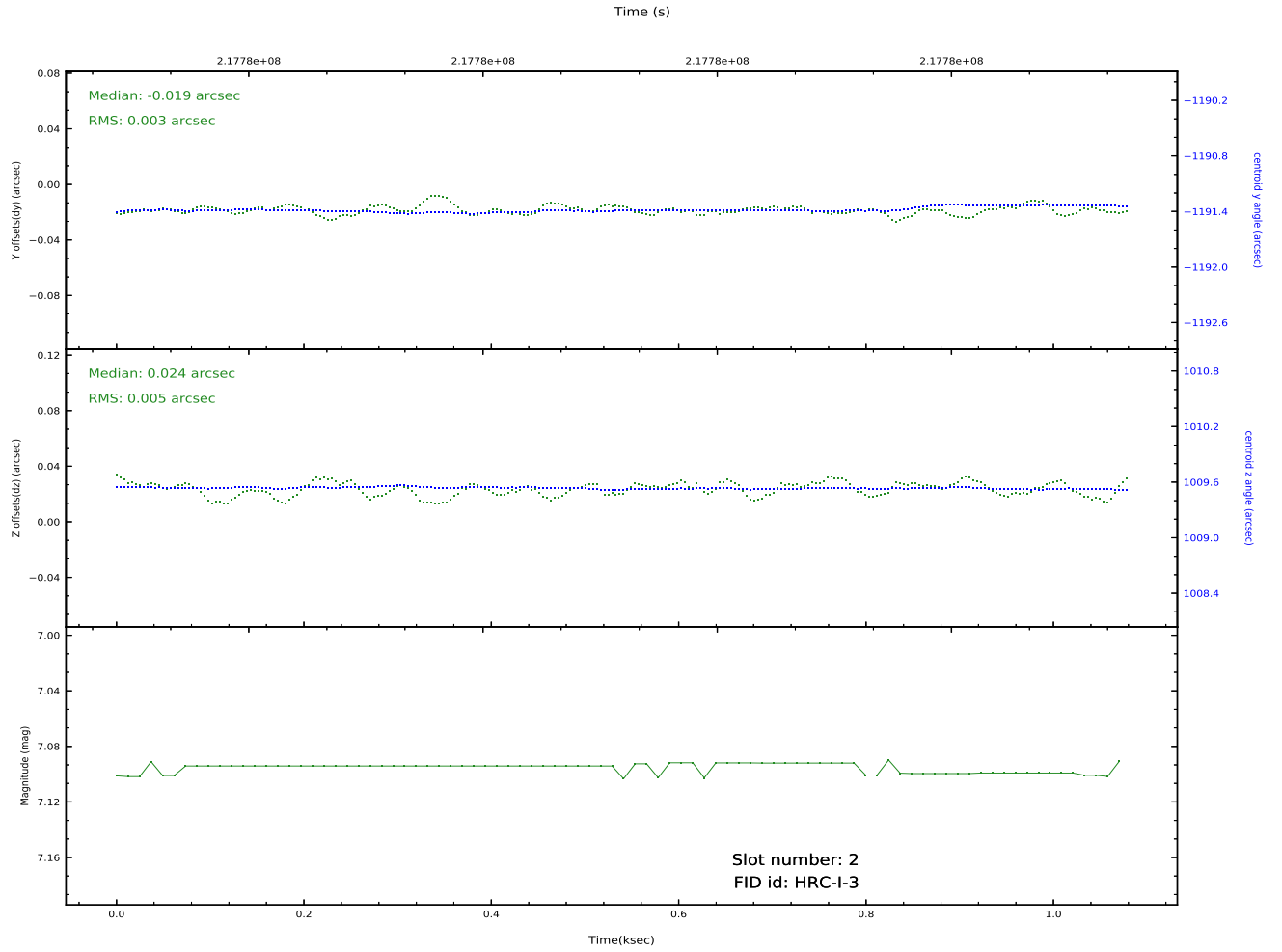
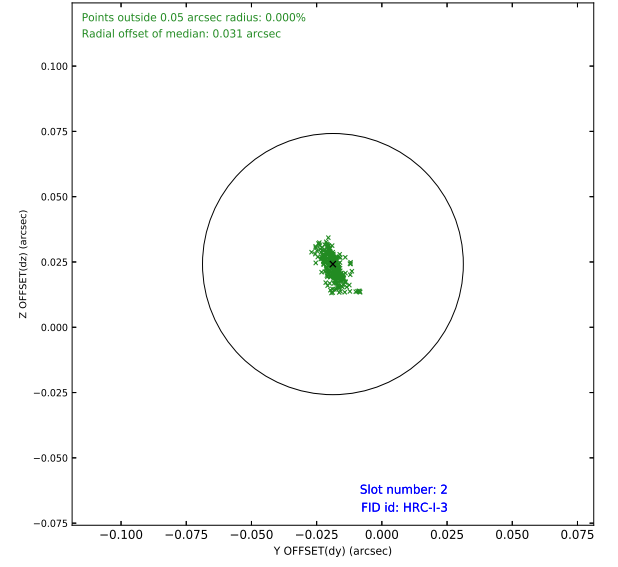
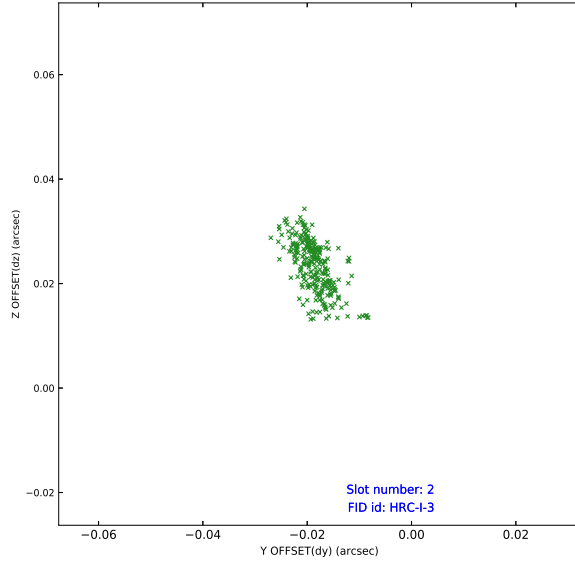
2.5.1 Slot 0



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	1.079325

A.2 Comments