

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5068 - L2 Version 5
Chandra X-Ray Center

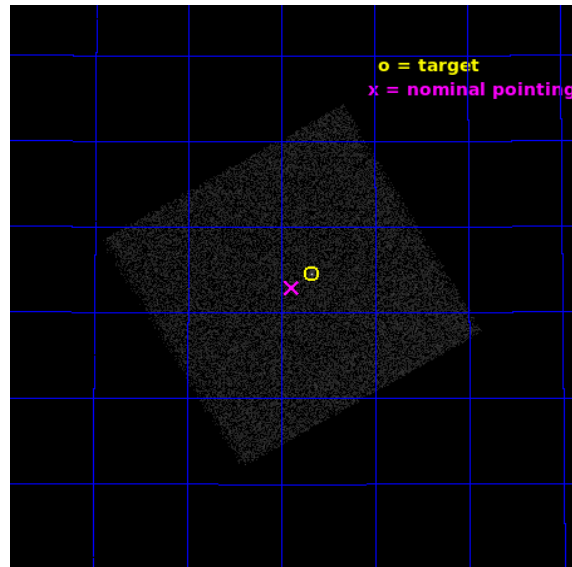
L2 Processing Date : Oct 5 2020

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1 Front

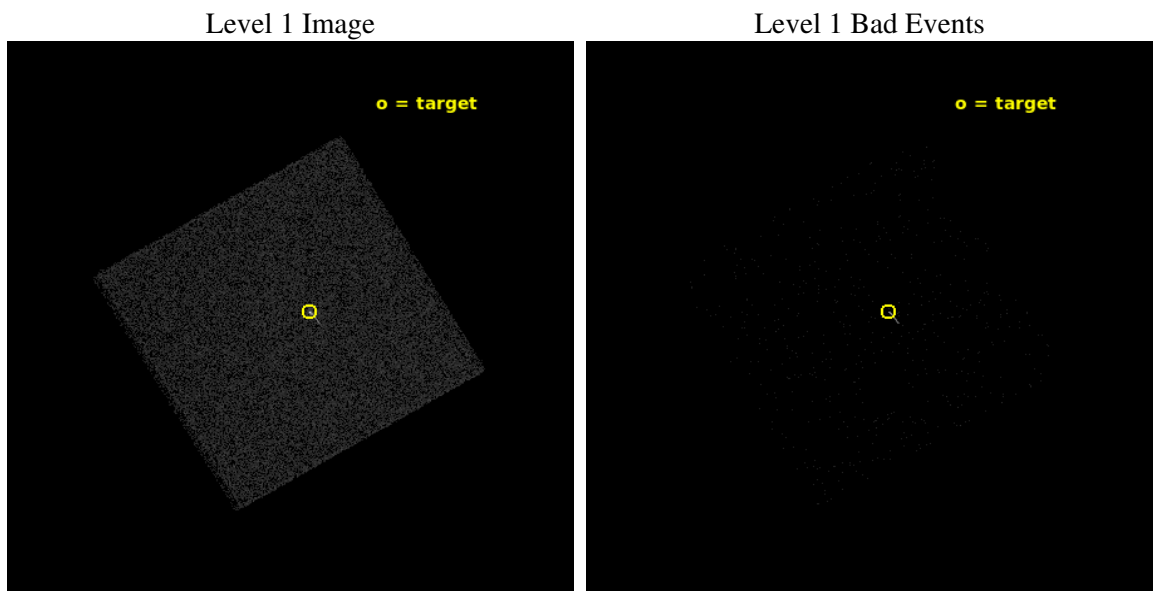
seq_num	290341	Sequence number
obs_id	5068	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22205519045	Nominal RA [deg]
dec_nom	45.715565932924	Nominal Dec [deg]
roll_nom	284.45345067558	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1081.3750485778	[s]
livetime	1073.568154734	Ontime multiplied by DTCOR
l2events	43775	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	1081.3750485778	[s]
caldbver	4.9.2	 	l1events	82423	Number of level 1 events
date	2020-10-05T06:23:04	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

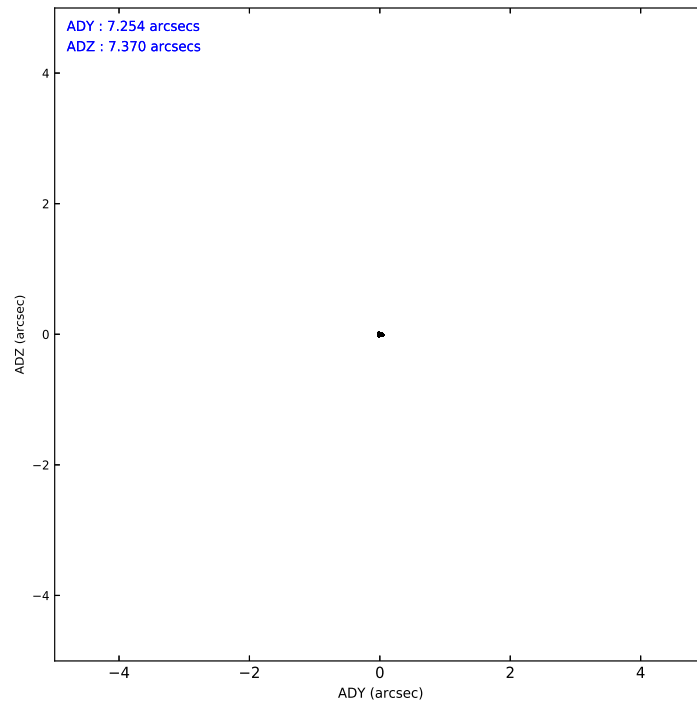
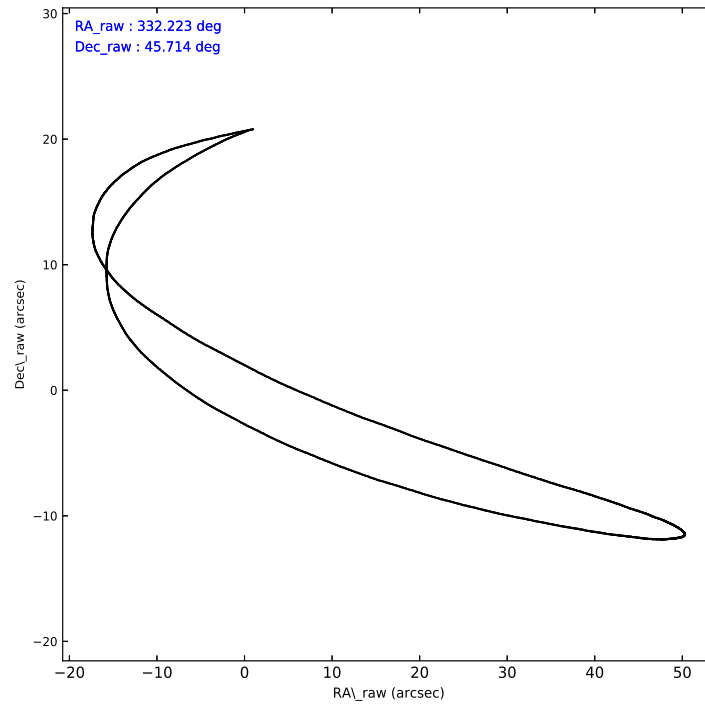
	segment 0
level 1 events	82423
rejected events	19053
rejected %	23%

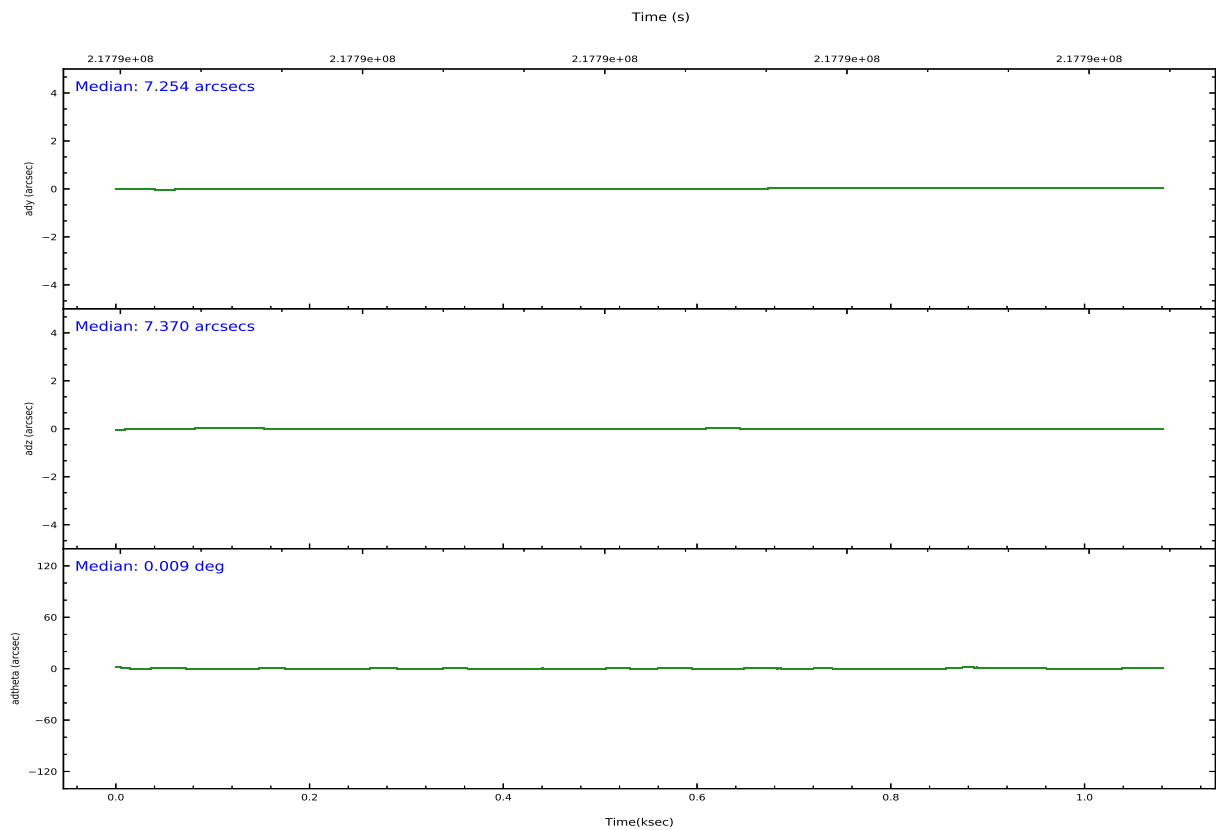
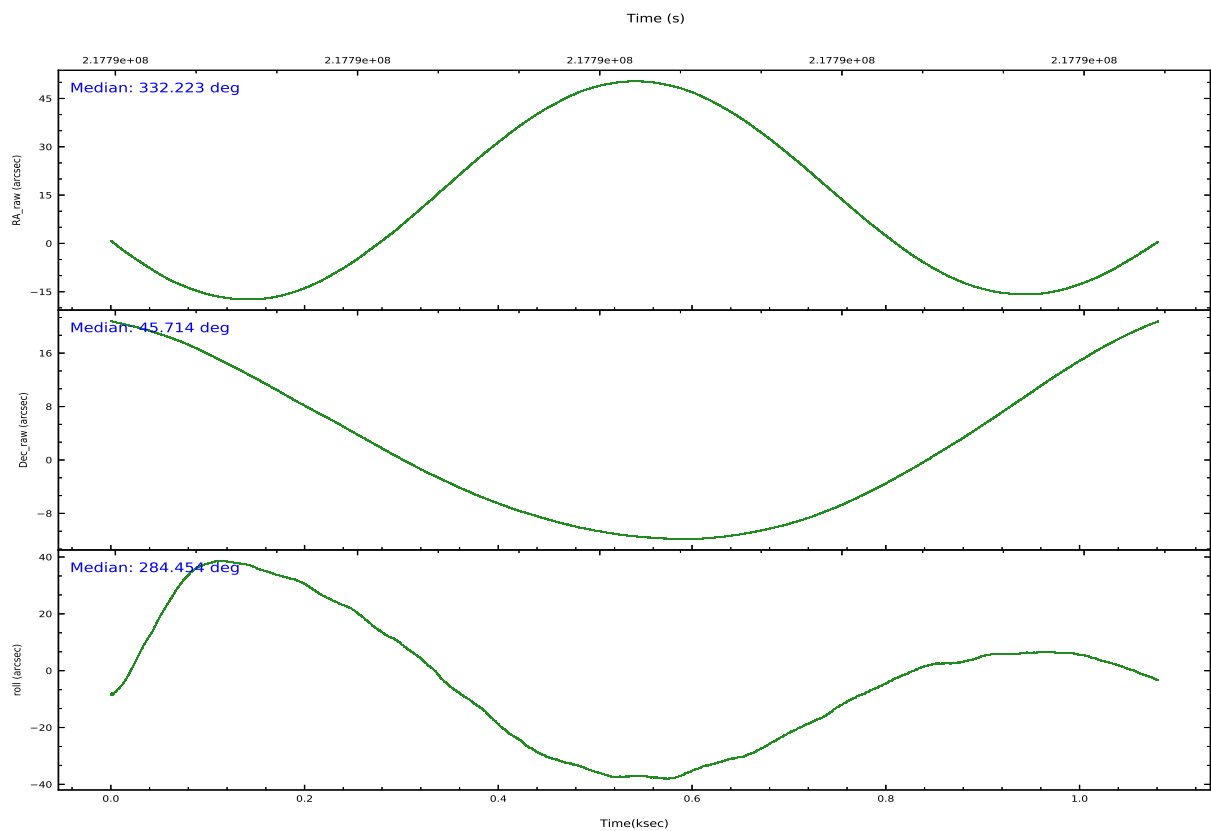
2.2 Compared Parameters

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	332.199554	332.22205519045
[deg] Pointing Dec	45.733203	45.715565932924
[deg] Pointing Roll	284.583140	284.45345067558
[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)	217785927.184000	217785550.90821
Observation start date	2004-11-25T16:04:23	2004-11-25T15:59:10
[s] Observation end time (MET)	217786827.184000	217786961.30828
Observation end date	2004-11-25T16:19:23	2004-11-25T16:22:41

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

2.3 Aspect



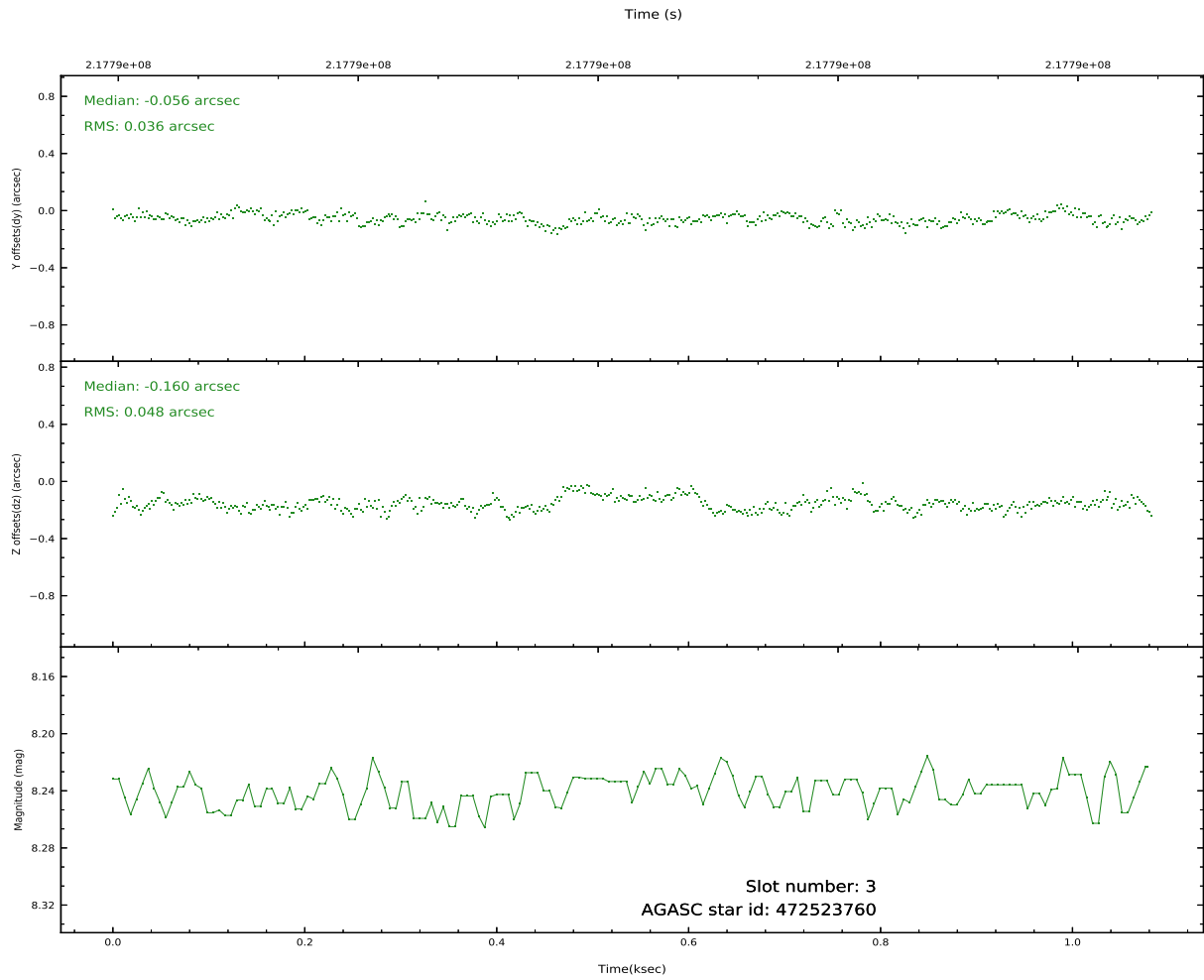
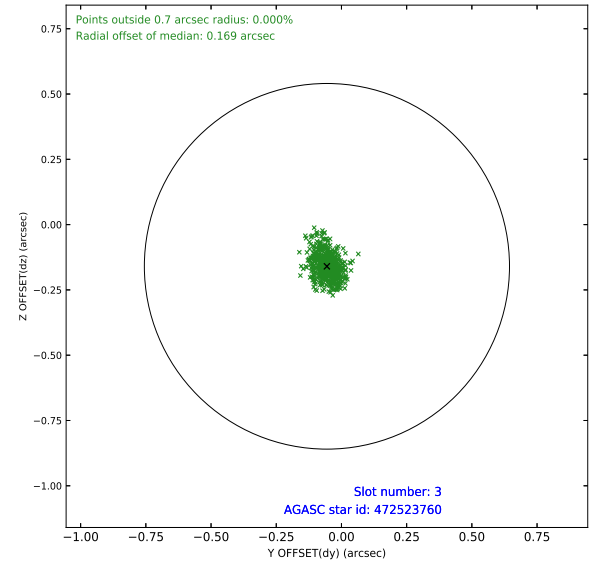
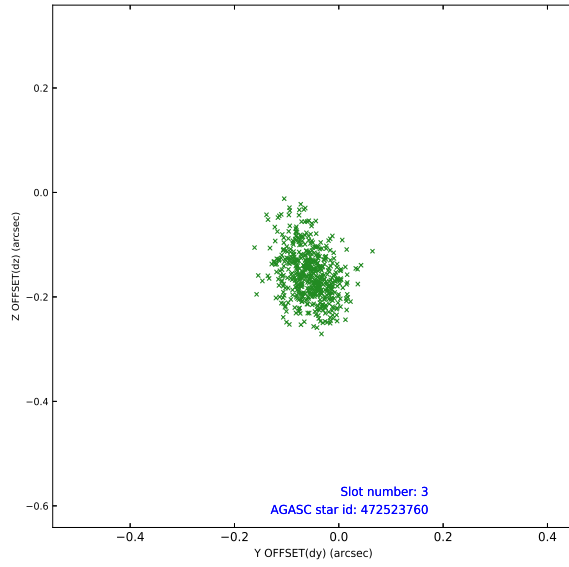


Slot Statistics

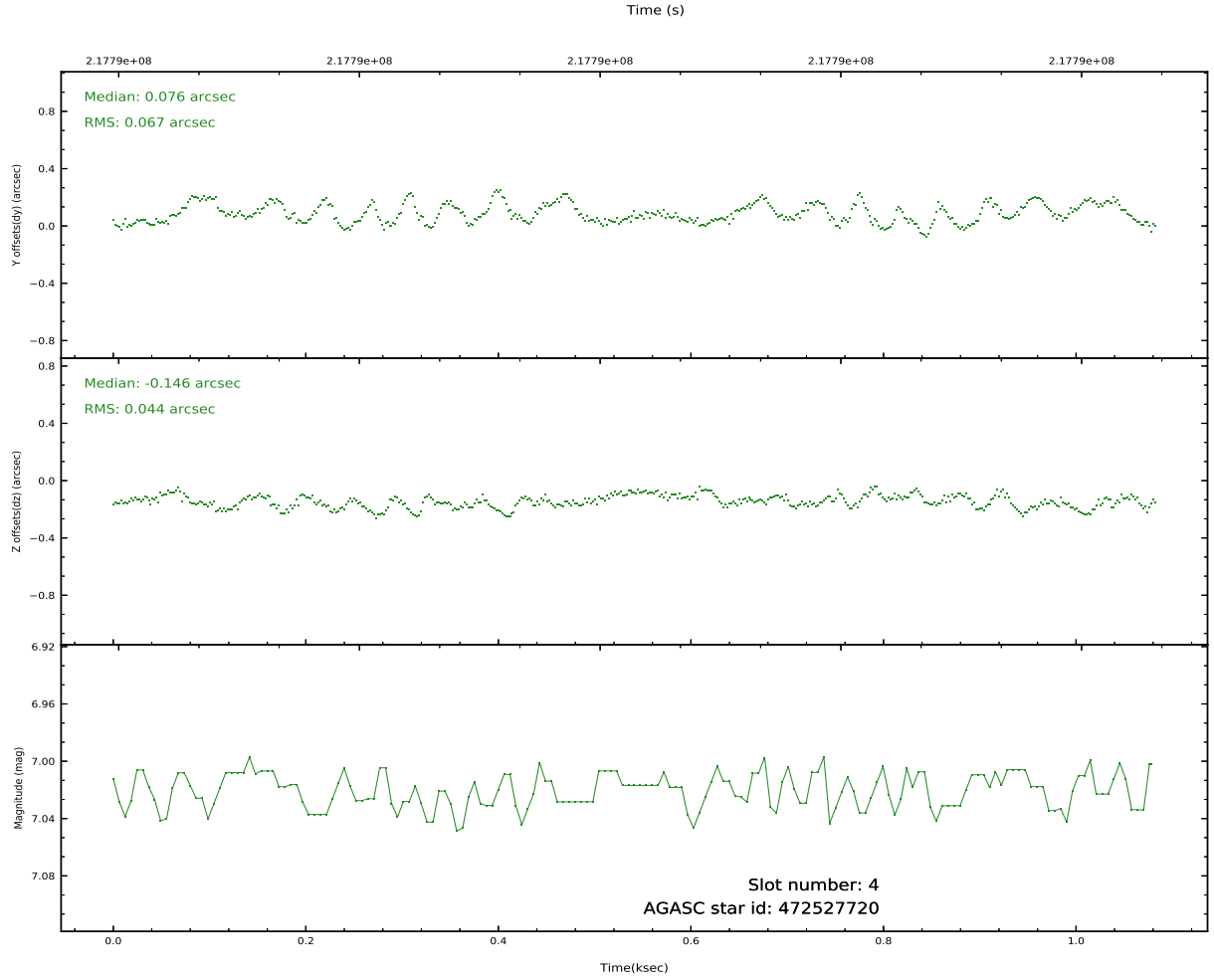
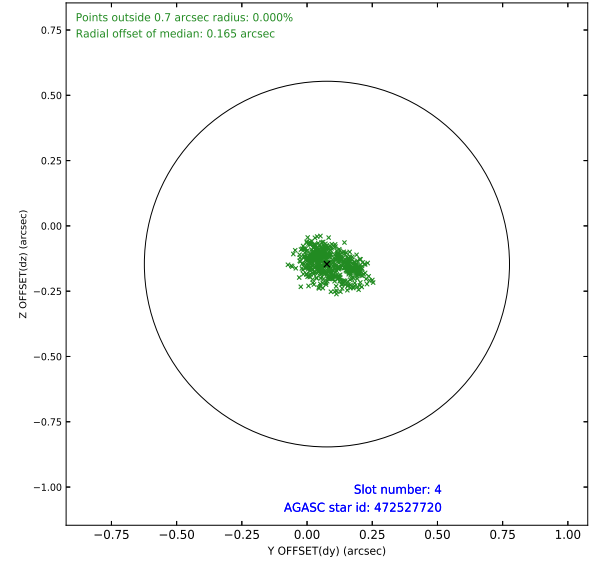
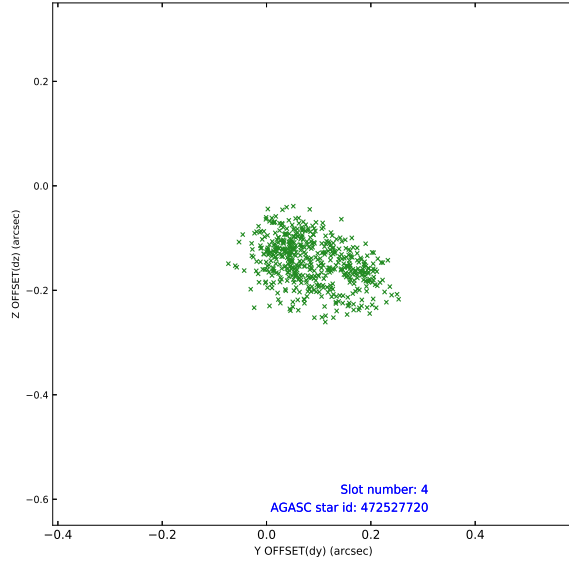
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	264	1.000	-0.008	-0.001	0.008	0.013	0.000000	0.000000	-762.87	-1295
1	FID		HRC-I-2	7.05	264	1.000	0.153	-0.111	0.006	0.011	0.000000	0.000000	847.04	-1301
2	FID		HRC-I-3	7.10	264	1.000	-0.026	0.023	0.007	0.011	0.000000	0.000000	-1188.16	1004
3	GUIDE	used	472523760	8.24	529	1.000	-0.056	-0.160	0.064	0.103	331.645363	45.403260	792.69	-1649
4	GUIDE	used	472527720	7.02	529	1.000	0.076	-0.146	0.086	0.134	331.460205	45.112509	1683.52	-2377
5	GUIDE	used	472654568	9.44	529	1.000	0.065	0.083	0.113	0.184	332.194449	45.063576	2333.52	-619
6	GUIDE	used	472655152	9.42	529	1.000	-0.016	0.126	0.115	0.192	332.504239	45.862991	-256.56	860
7	GUIDE	used	472659832	9.46	528	1.000	-0.080	0.094	0.097	0.164	332.780399	46.098139	-911.92	1741

2.4 Star Slots

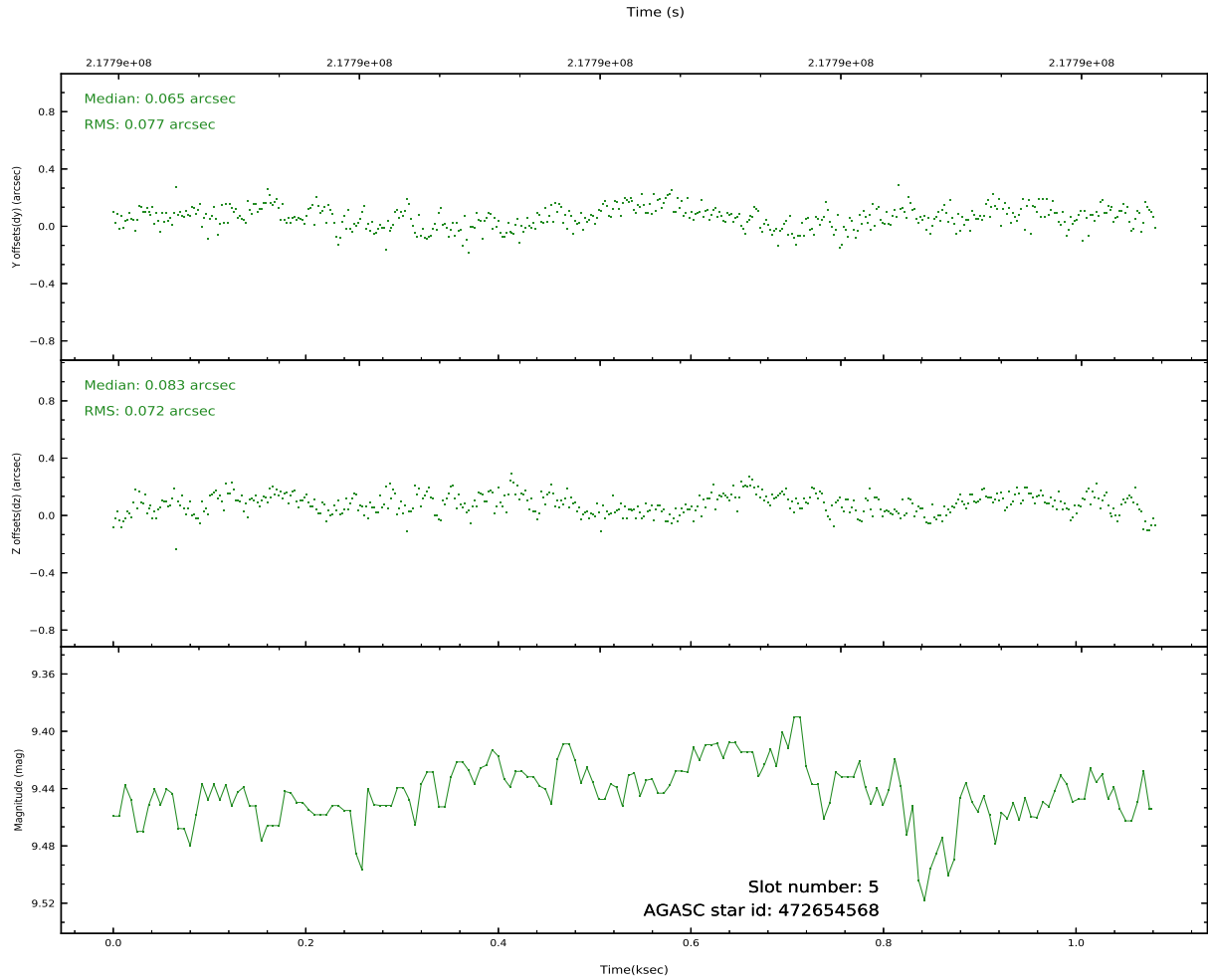
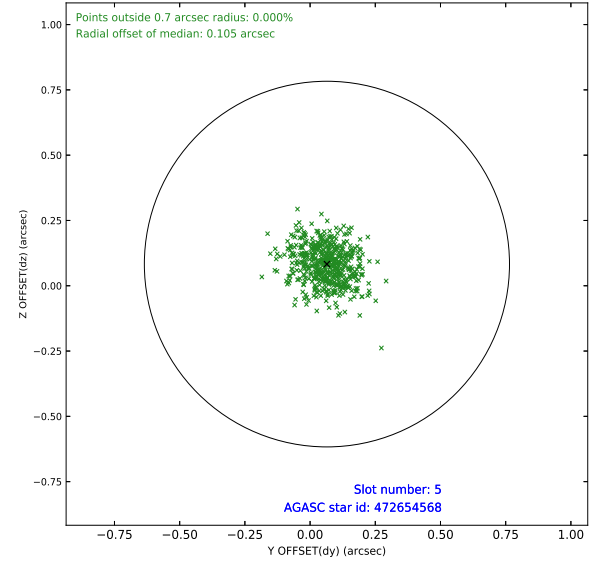
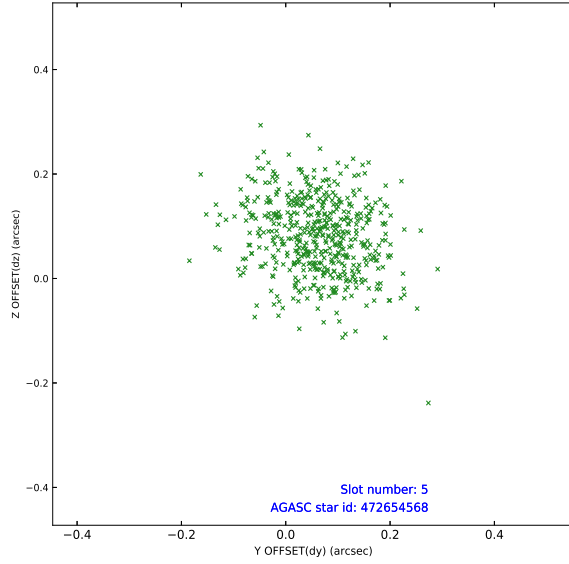
2.4.1 Slot 3



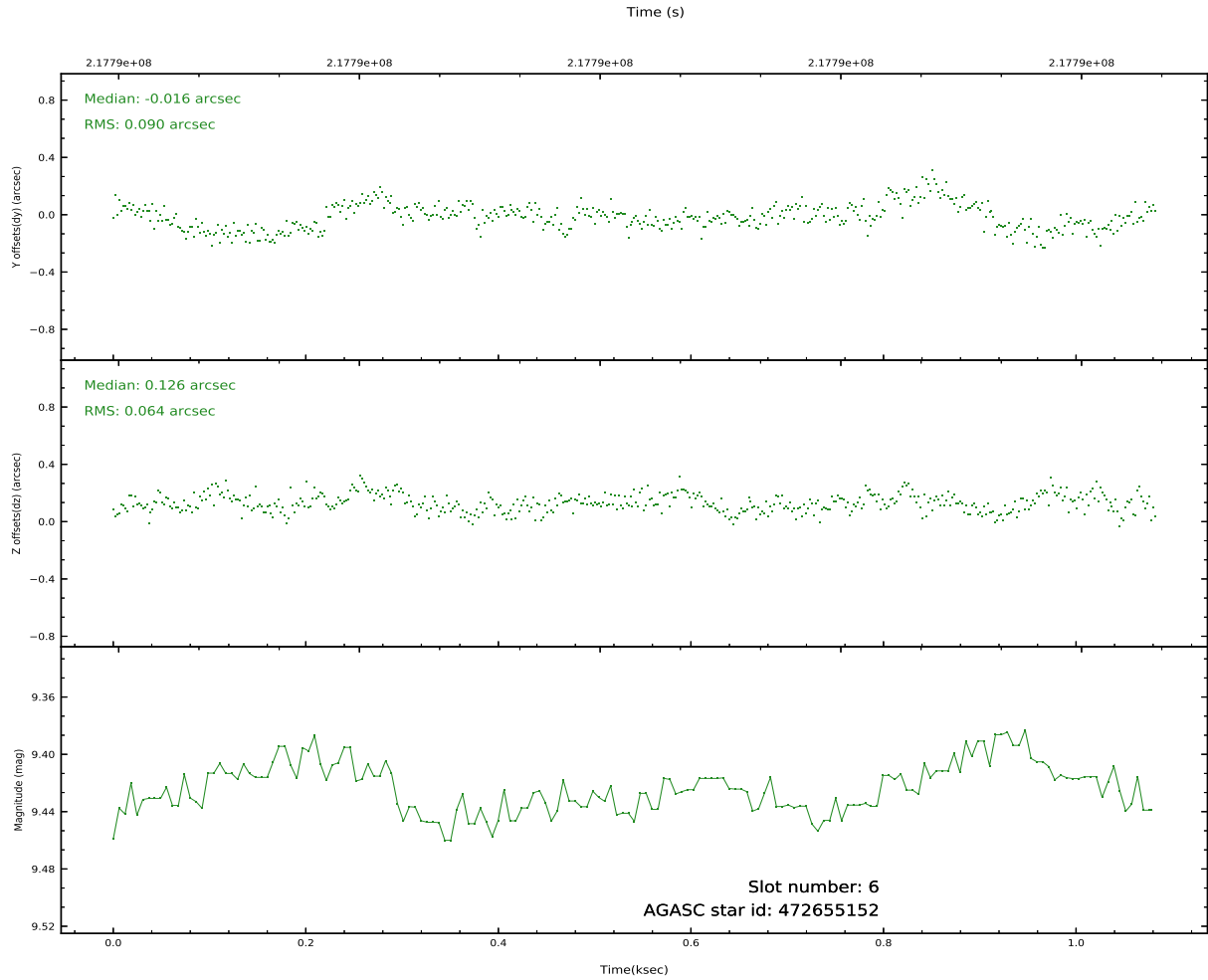
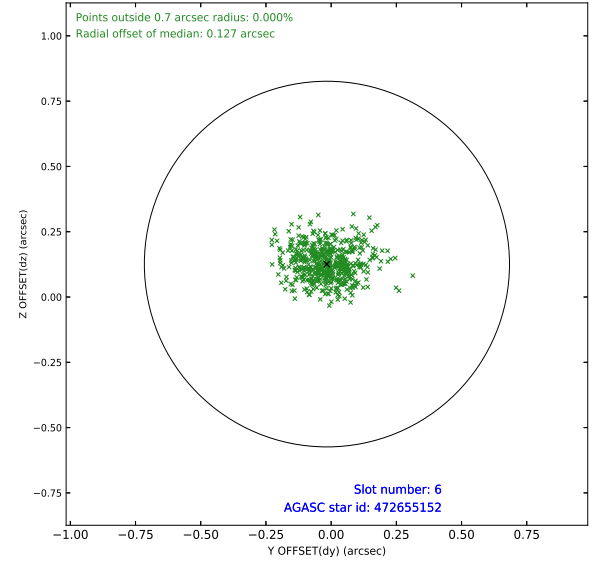
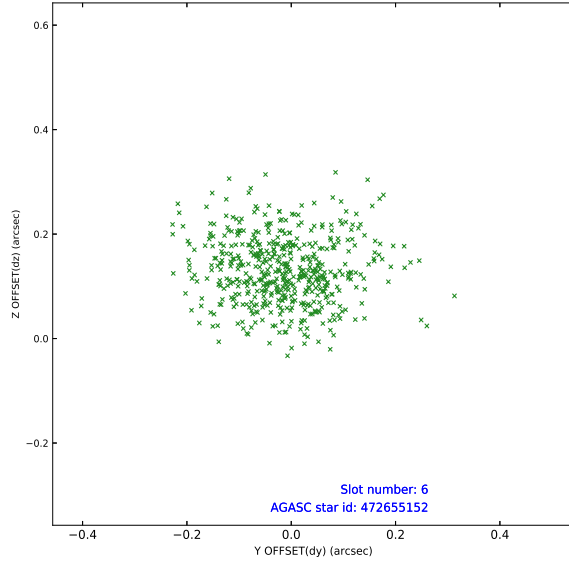
2.4.2 Slot 4



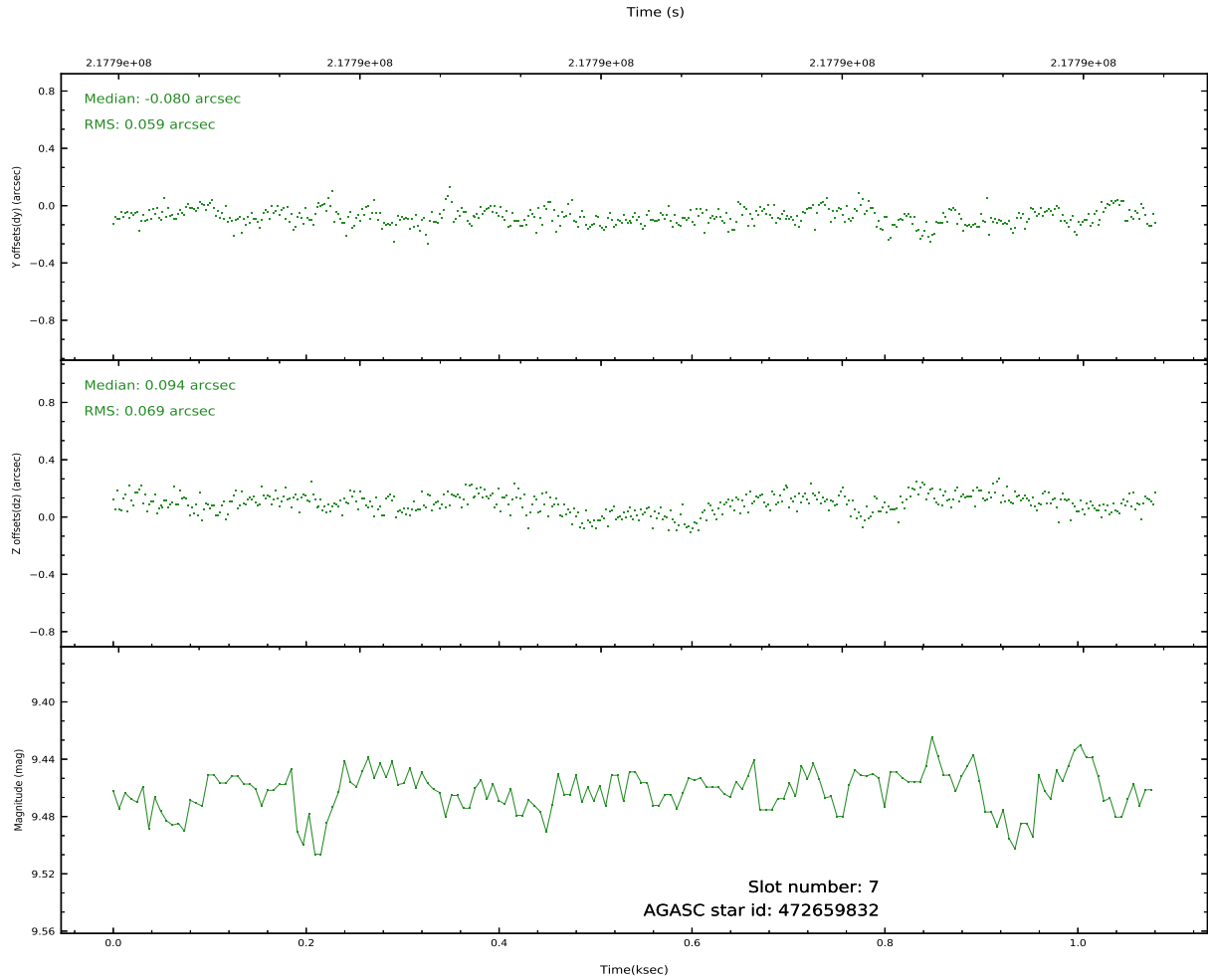
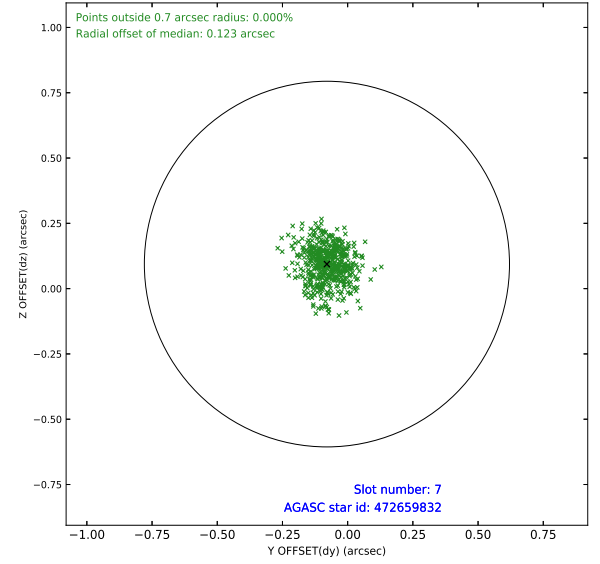
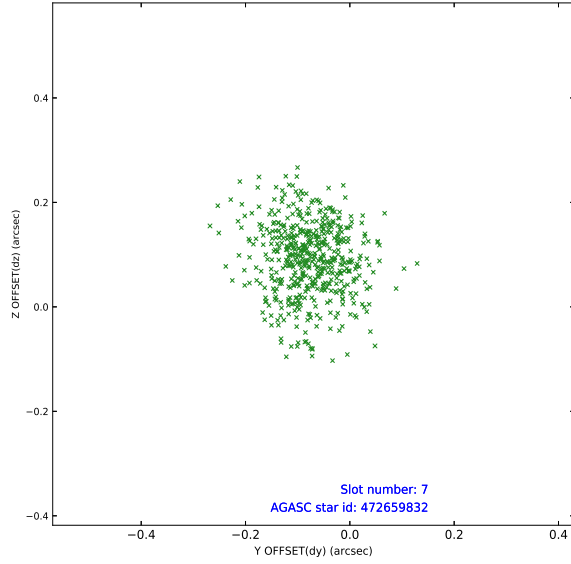
2.4.3 Slot 5



2.4.4 Slot 6

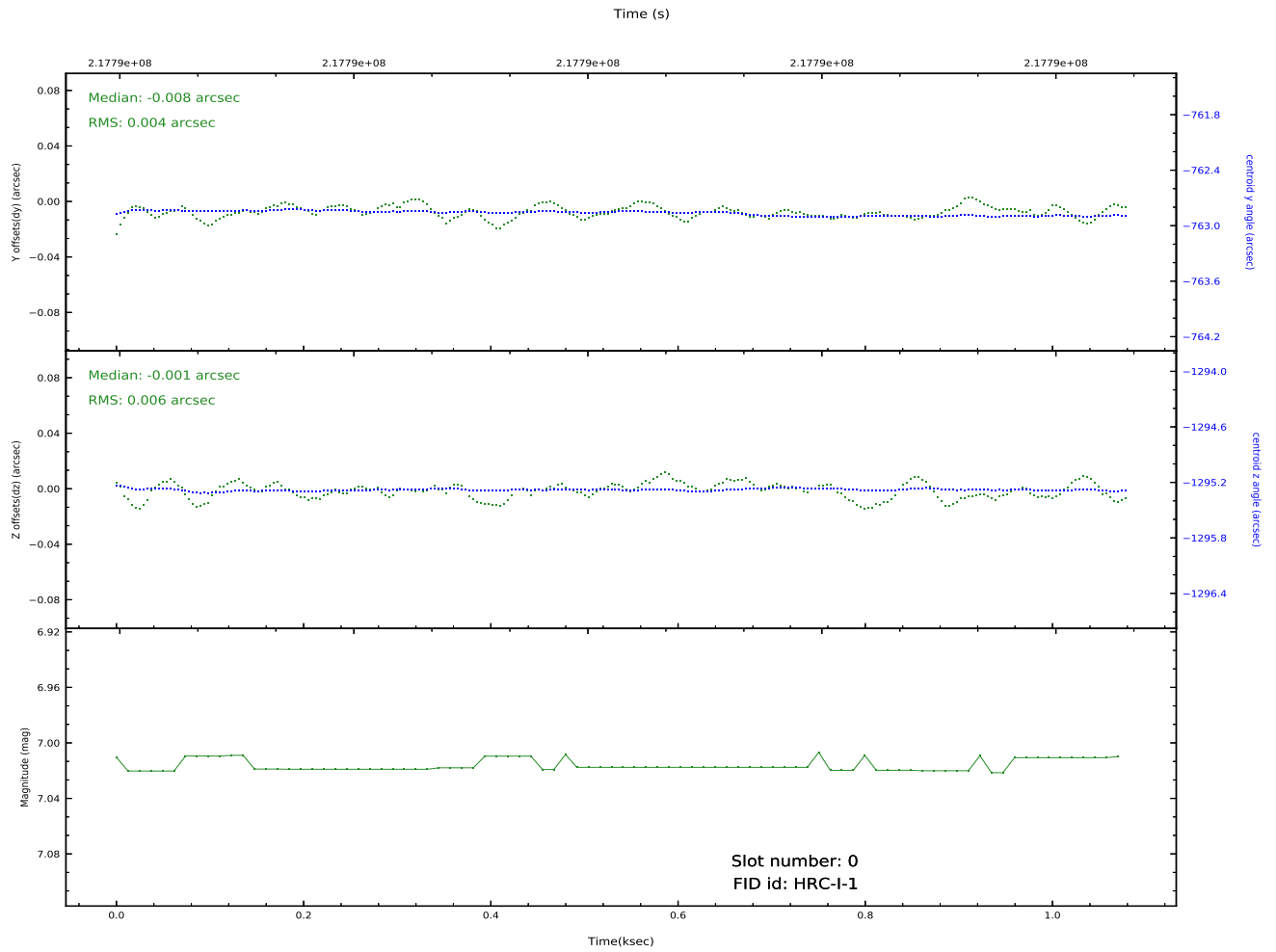
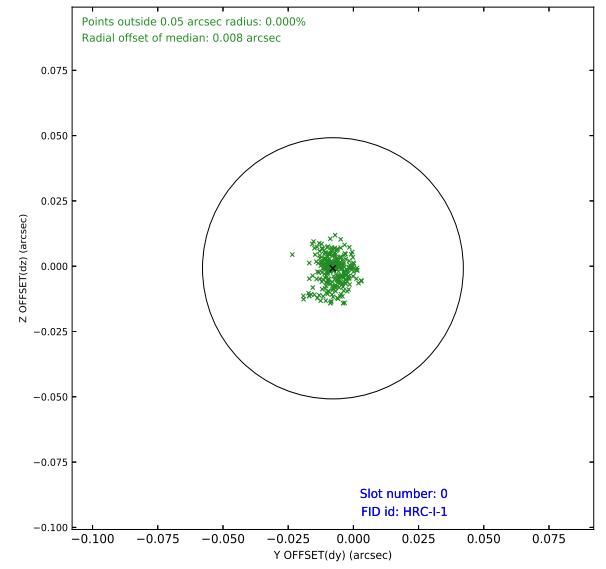
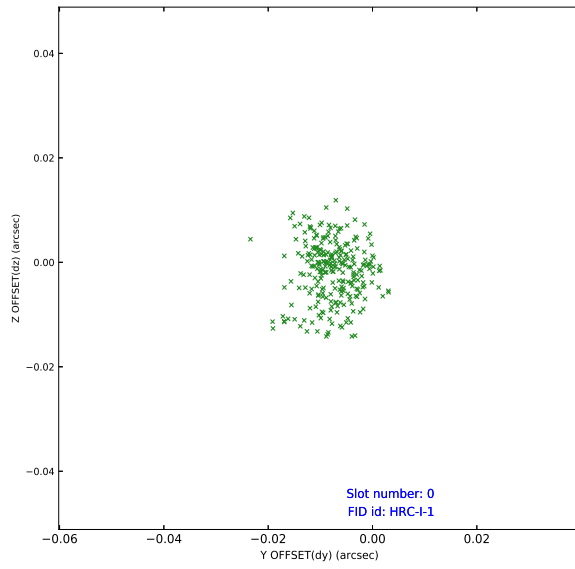


2.4.5 Slot 7

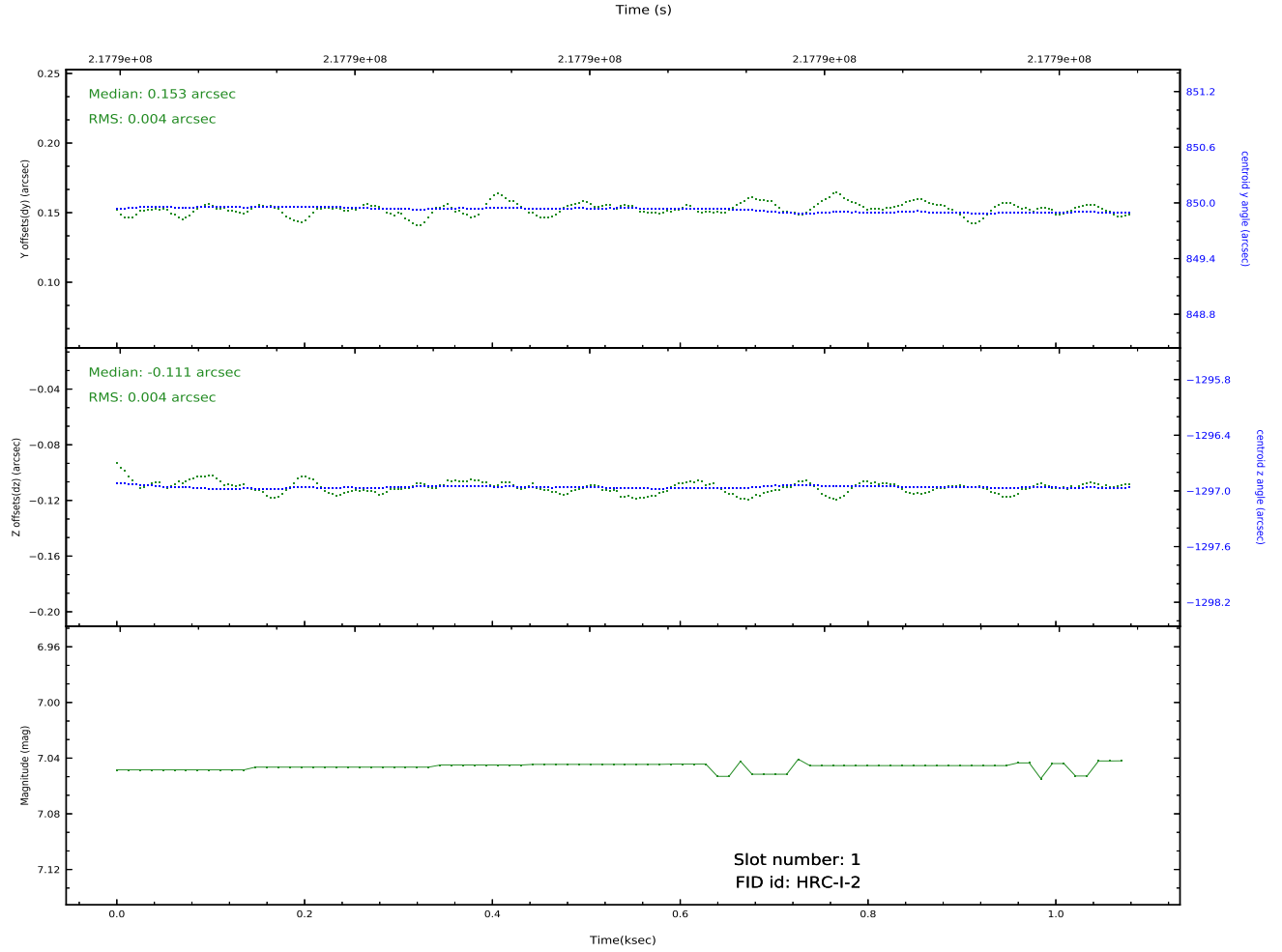
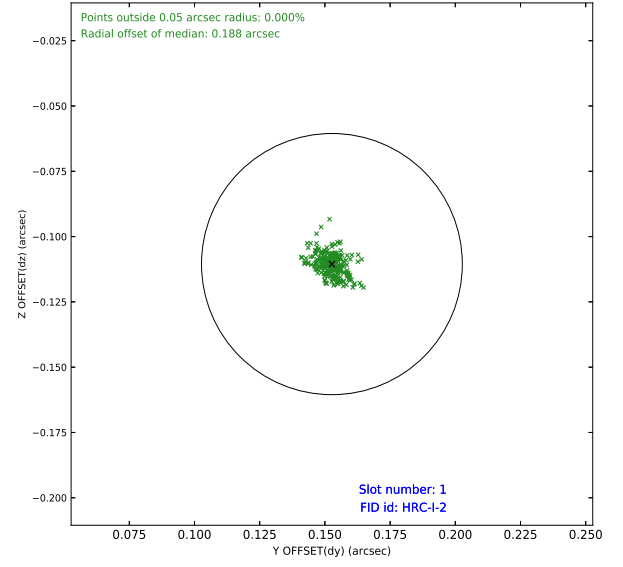
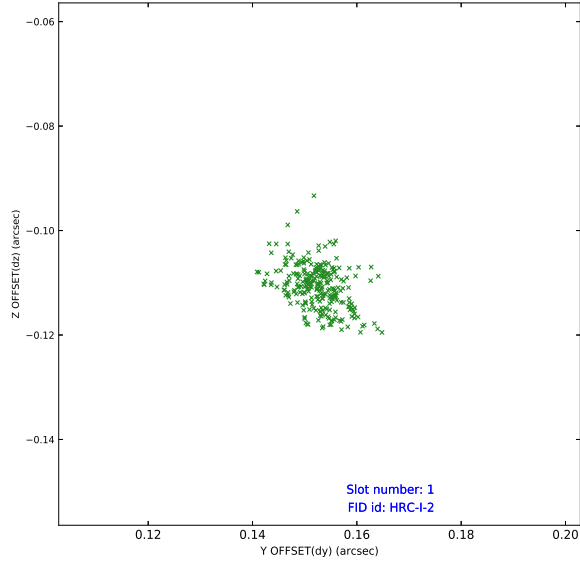


2.5 FID Slots

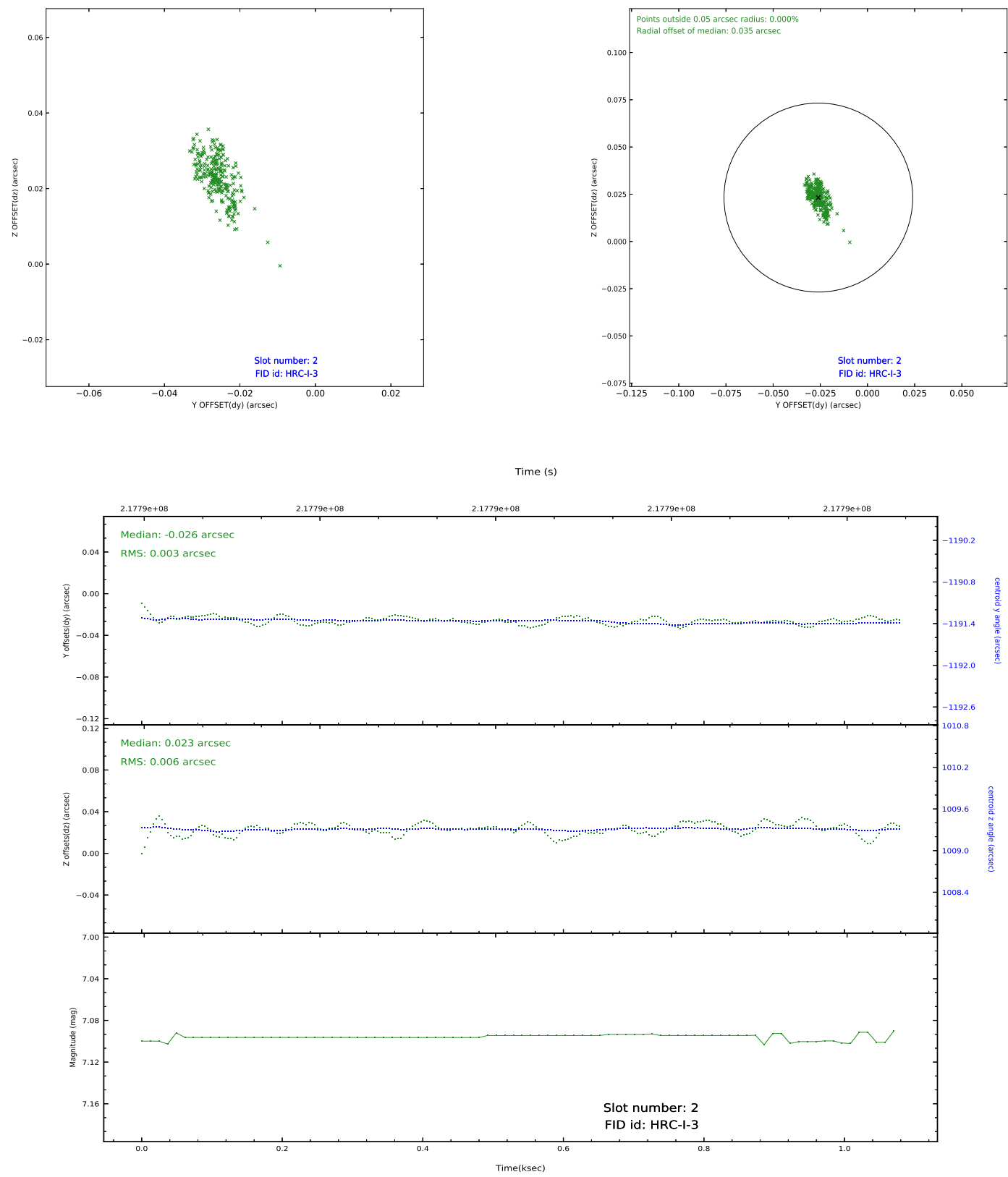
2.5.1 Slot 0



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	1.081631

A.2 Comments