

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5979 - L2 Version 5
Chandra X-Ray Center

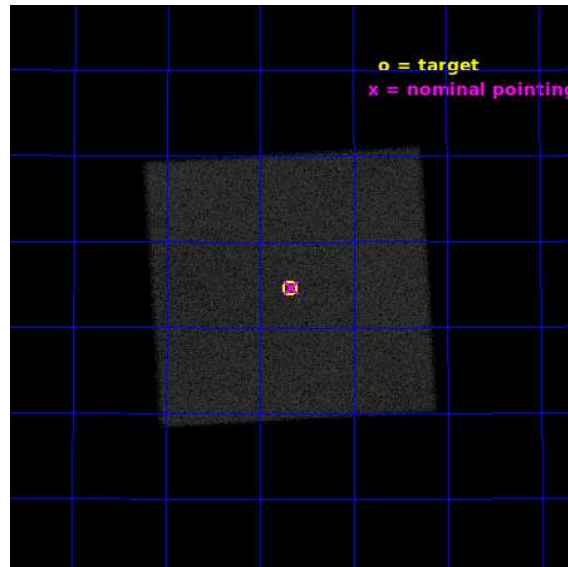
L2 Processing Date : Oct 10 2020

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1 Front

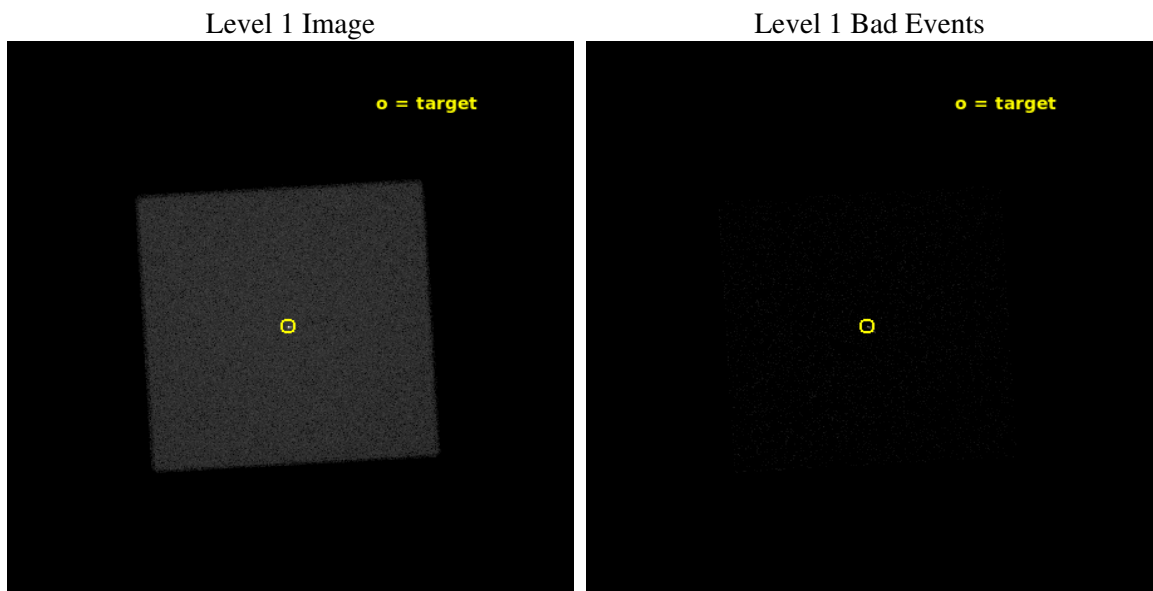
seq_num	290471	Sequence number
obs_id	5979	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16512349935	Nominal RA [deg]
dec_nom	45.744498758003	Nominal Dec [deg]
roll_nom	221.60545354229	Nominal Roll [deg]
revision	5	Processing version of data
ontime	3143.9313946366	[s]
livetime	2698.4792969165	Ontime multiplied by DTCOR
l2events	266708	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3143.9313946366	[s]
caldsver	4.9.2	 	l1events	491470	Number of level 1 events
date	2020-10-10T13:55:35	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

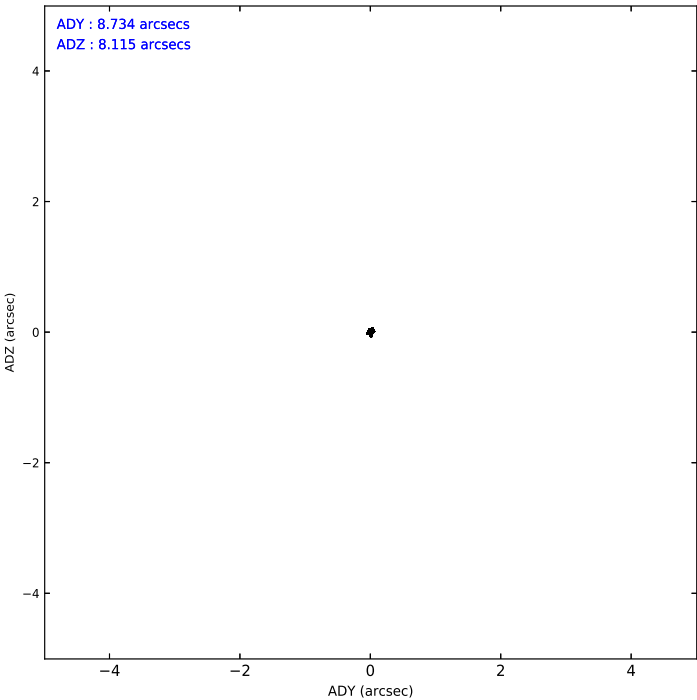
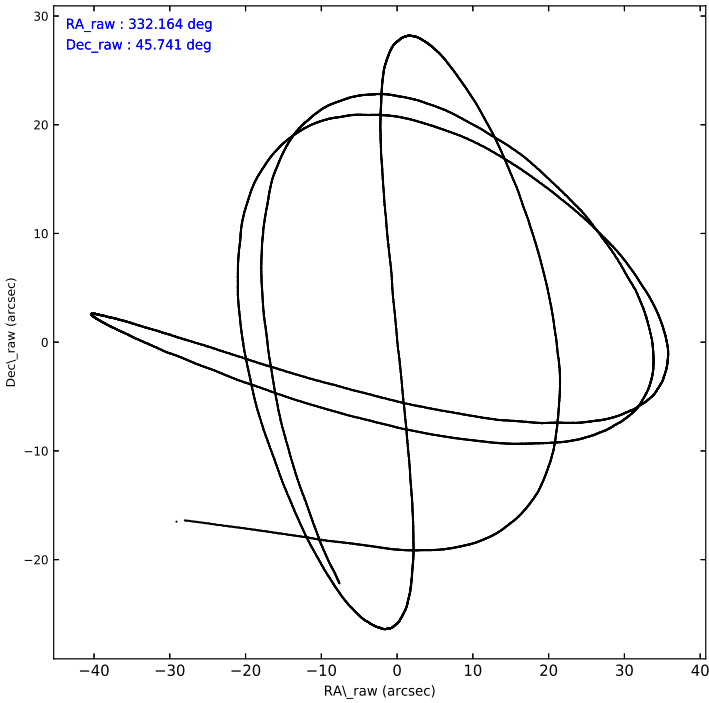
	segment 0
level 1 events	491470
rejected events	136538
rejected %	27%

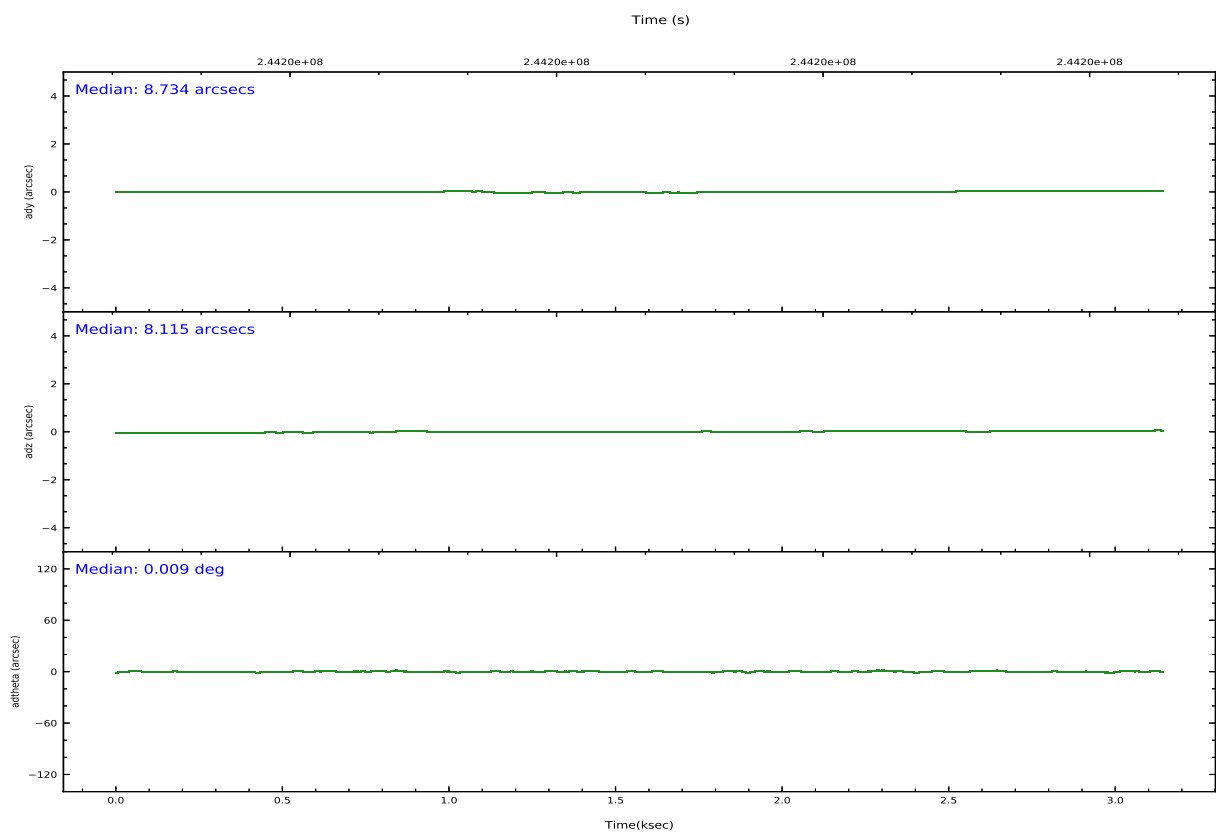
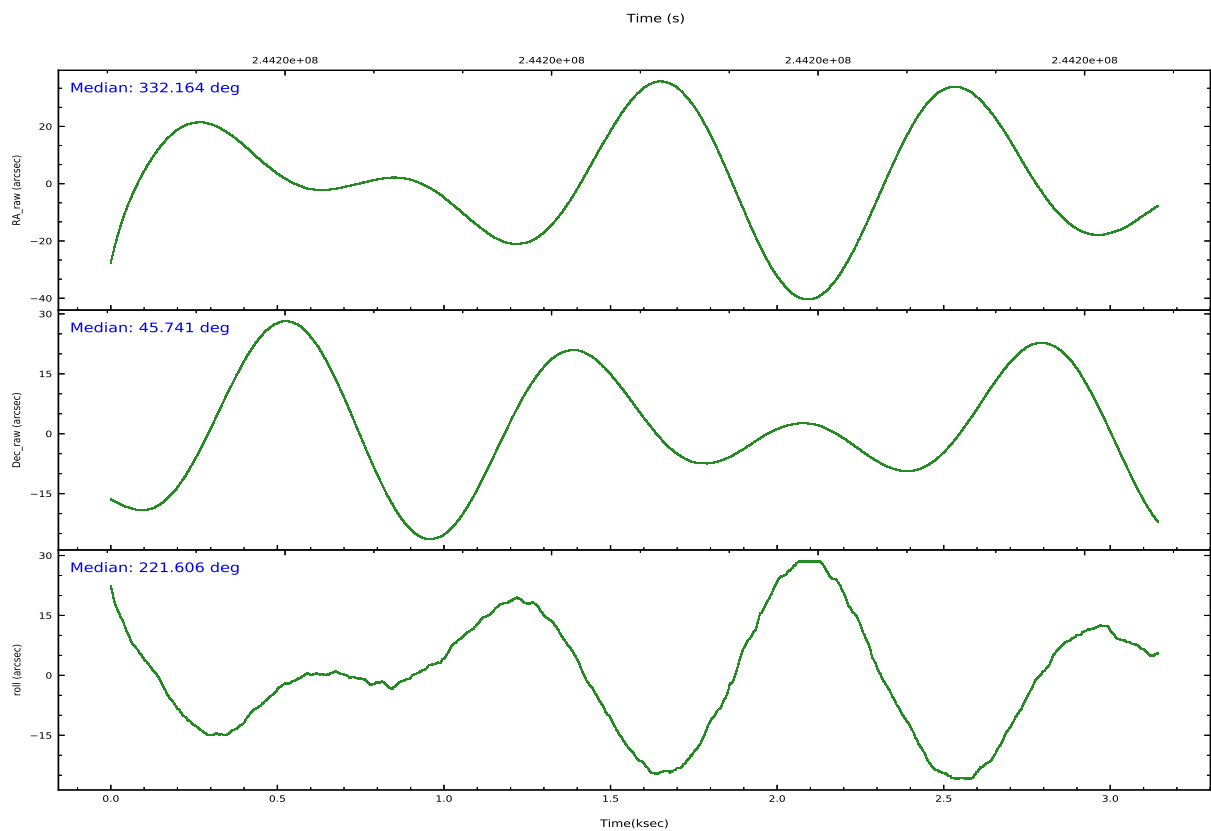
2.2 Compared Parameters

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	332.175745	332.16512349935
[deg] Pointing Dec	45.766862	45.744498758003
[deg] Pointing Roll	221.703318	221.60545354229
[s] Window start time (MET)	241920064.184000	241920064.184000
[s] Window stop time (MET)	244425664.184000	244425664.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9829799899862
[mm] SIM translation stage offset	0	0.002508901615314585
[s] Observation start time (MET)	244197222.184000	244195584.23443
Observation start date	2005-09-27T08:32:38	2005-09-27T08:06:24
[s] Observation end time (MET)	244200222.184000	244200356.12215
Observation end date	2005-09-27T09:22:38	2005-09-27T09:25:56

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

2.3 Aspect



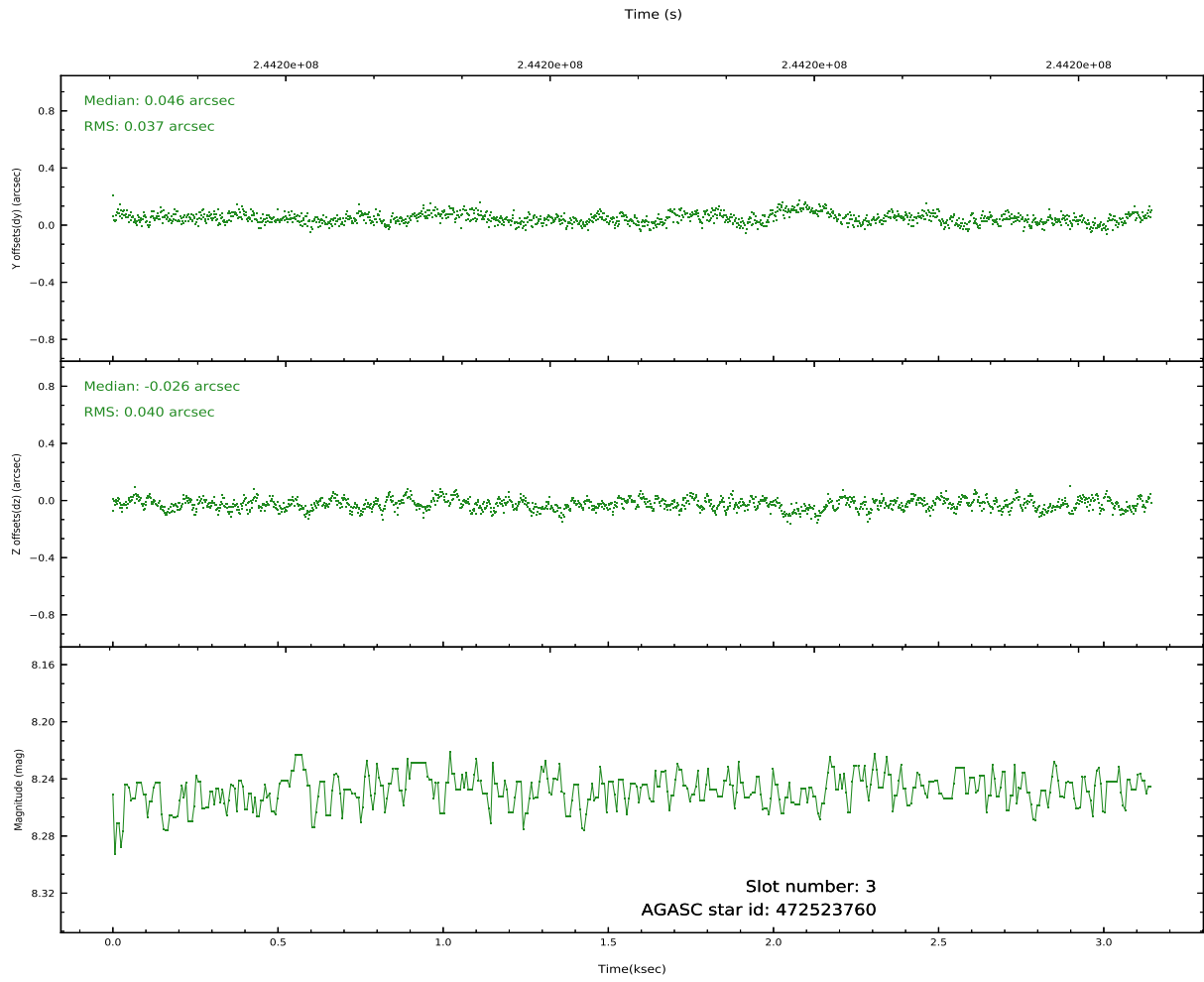
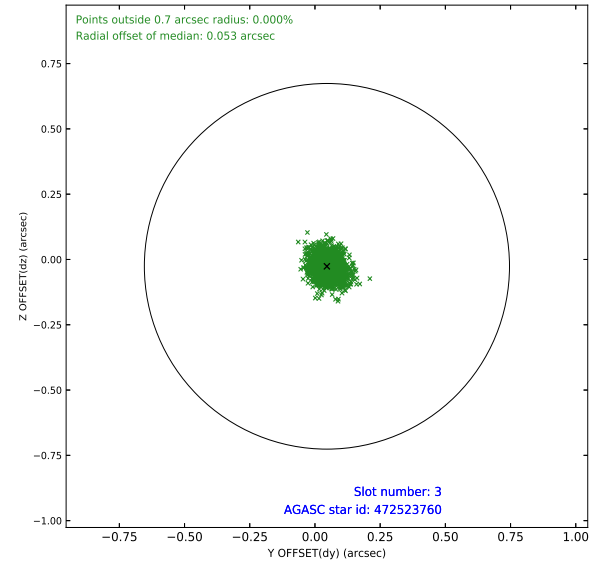
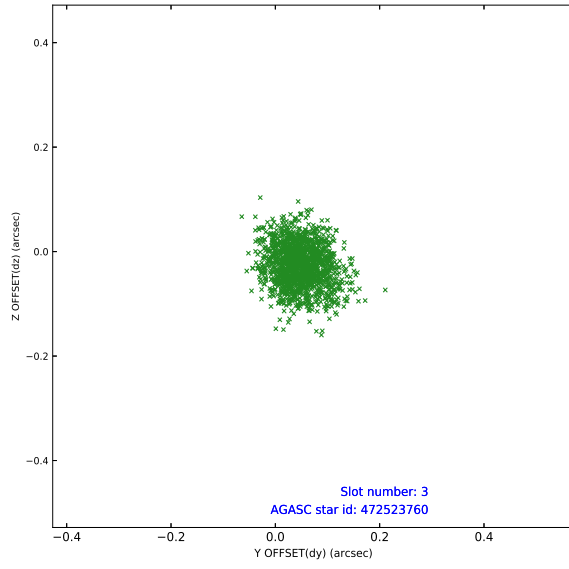


Slot Statistics

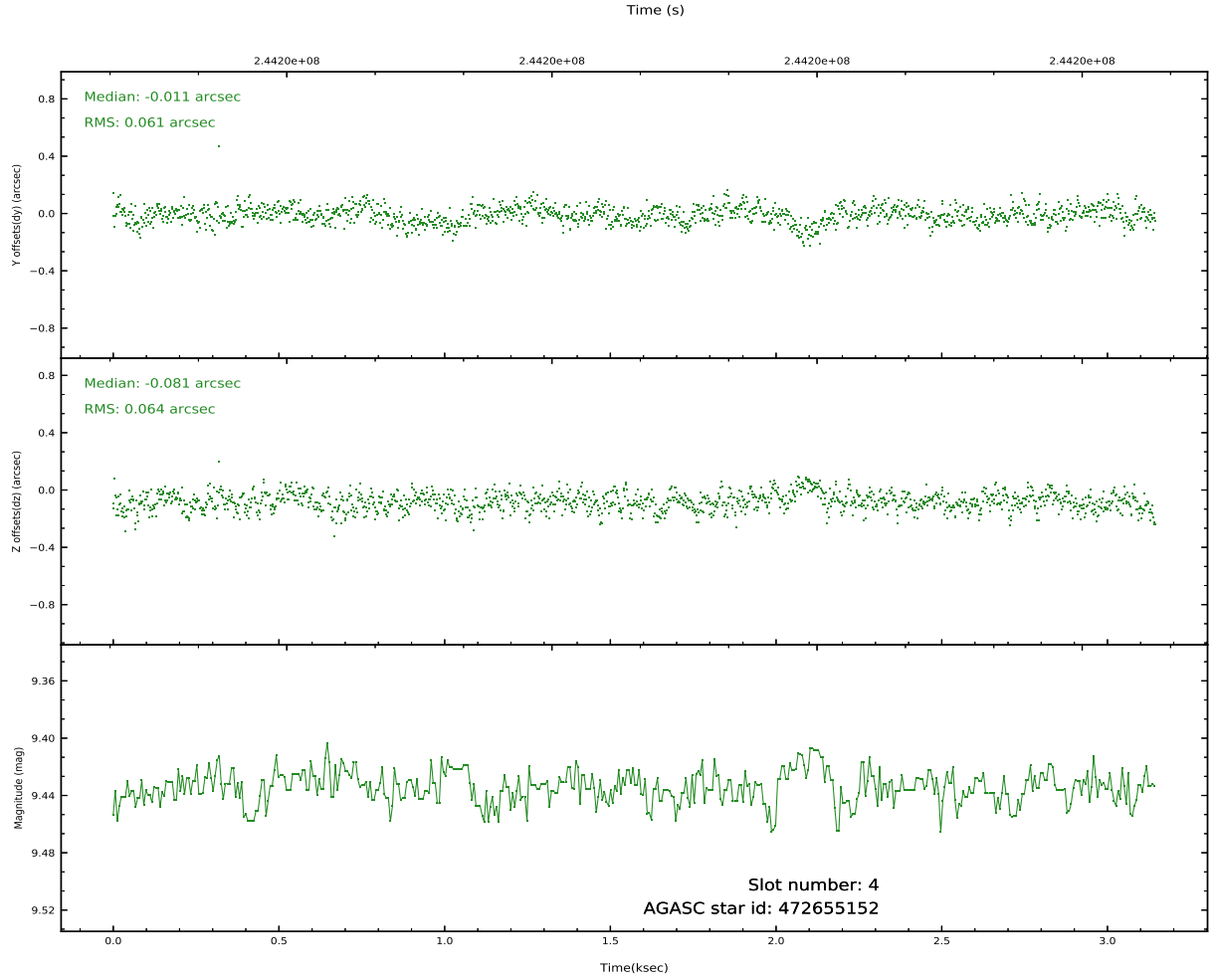
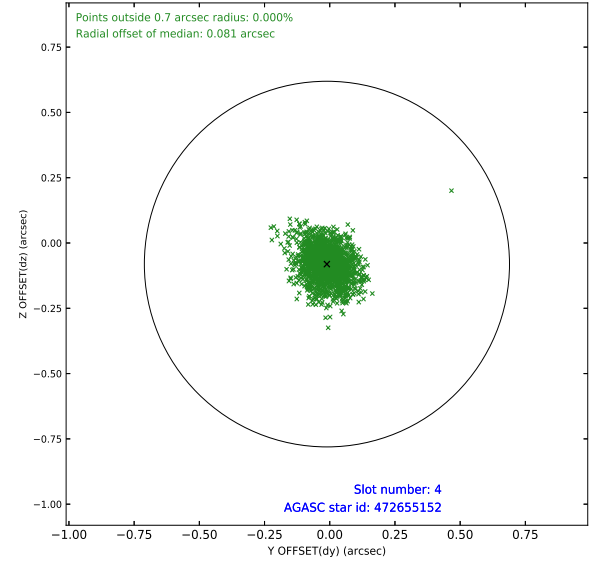
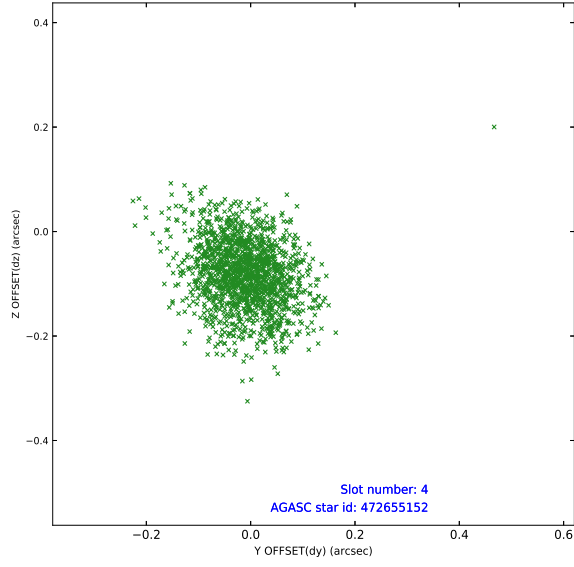
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.99	767	1.000	-0.024	0.028	0.008	0.017	0.000000	0.000000	-764.40	-1295
1	FID		HRC-I-2	7.02	767	1.000	0.186	-0.135	0.006	0.011	0.000000	0.000000	847.45	-1299
2	FID		HRC-I-3	7.07	768	1.000	-0.042	0.019	0.007	0.013	0.000000	0.000000	-1191.79	1006
3	GUIDE	used	472523760	8.25	1533	1.000	0.046	-0.026	0.058	0.096	331.645363	45.403260	1869.88	82
4	GUIDE	used	472655152	9.43	1535	1.000	-0.011	-0.081	0.093	0.152	332.504239	45.862991	-843.98	288
5	GUIDE	used	472665256	9.01	1534	1.000	0.054	0.095	0.075	0.122	332.808125	46.195041	-2205.64	-107
6	GUIDE	used	472533912	9.16	1532	1.000	0.025	-0.012	0.116	0.178	331.791136	46.368695	-729.97	-2255
7	GUIDE	used	472525528	6.65	1534	1.000	-0.119	0.029	0.066	0.107	331.551102	45.248694	2419.22	333

2.4 Star Slots

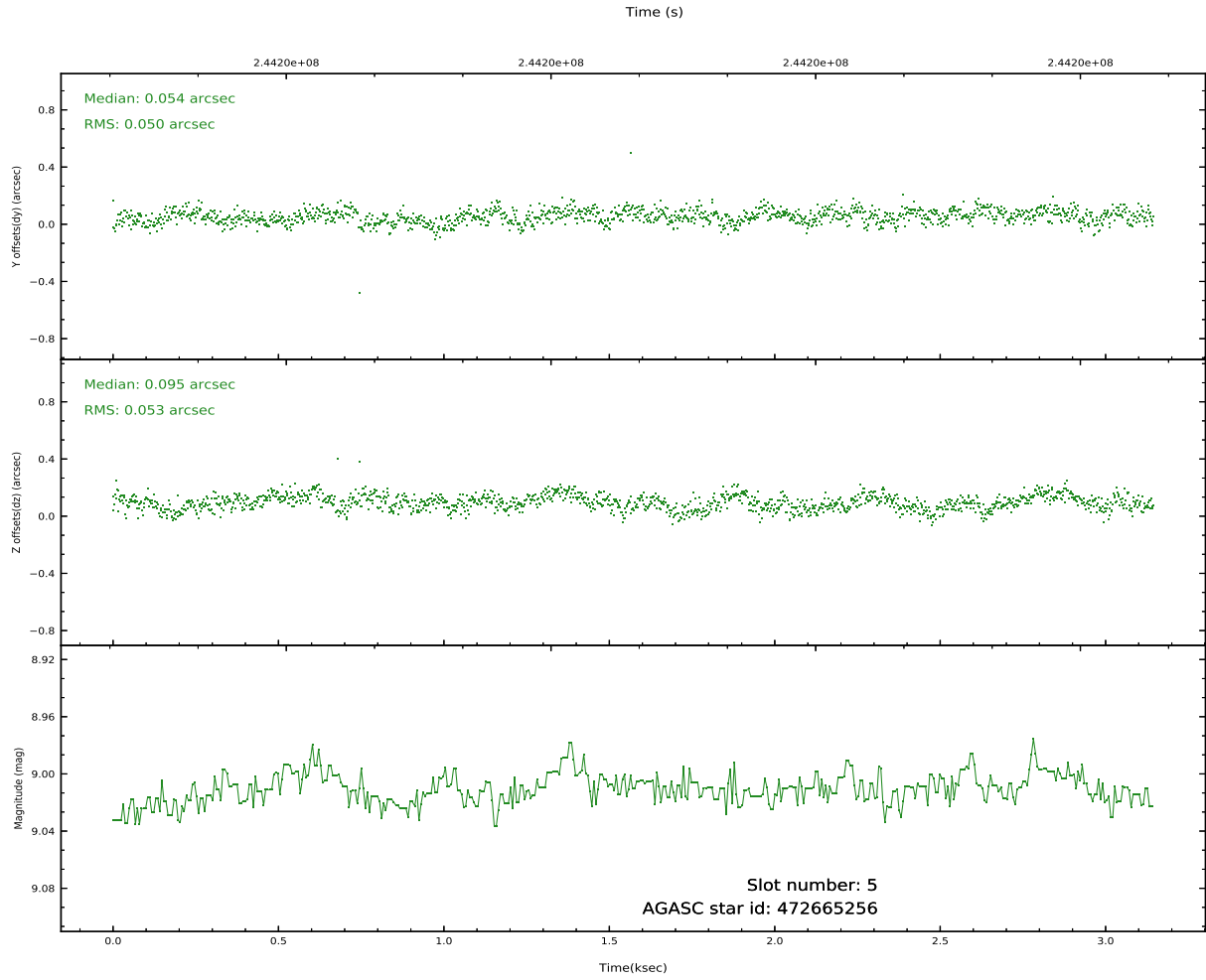
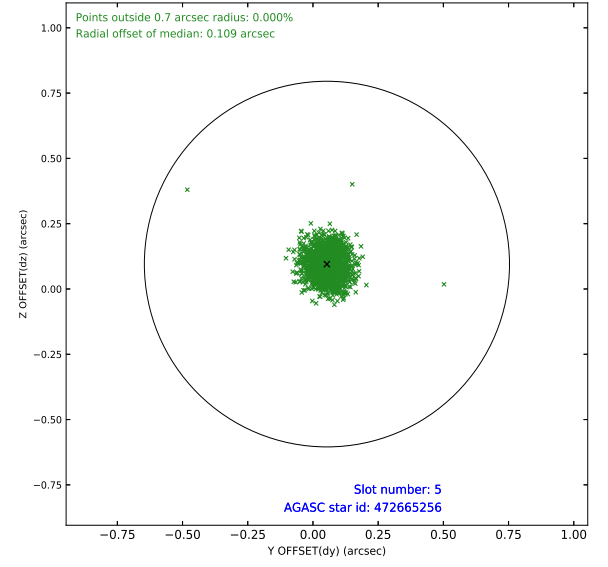
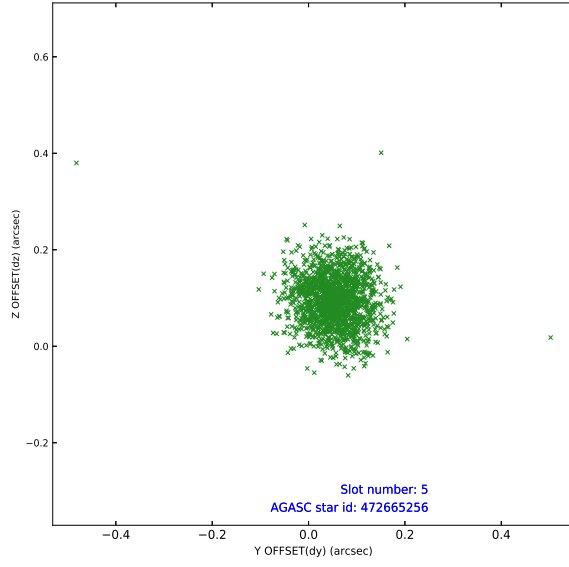
2.4.1 Slot 3



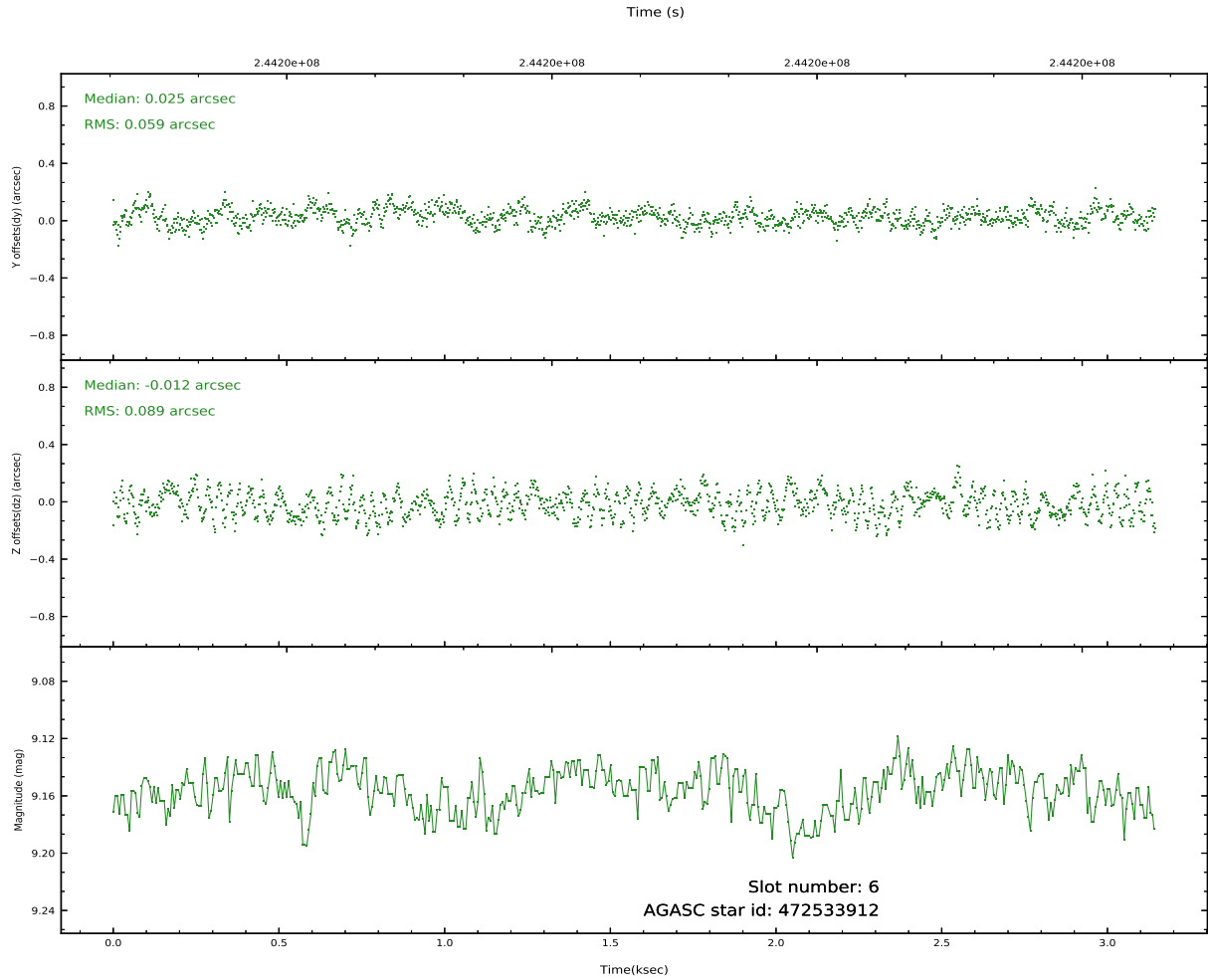
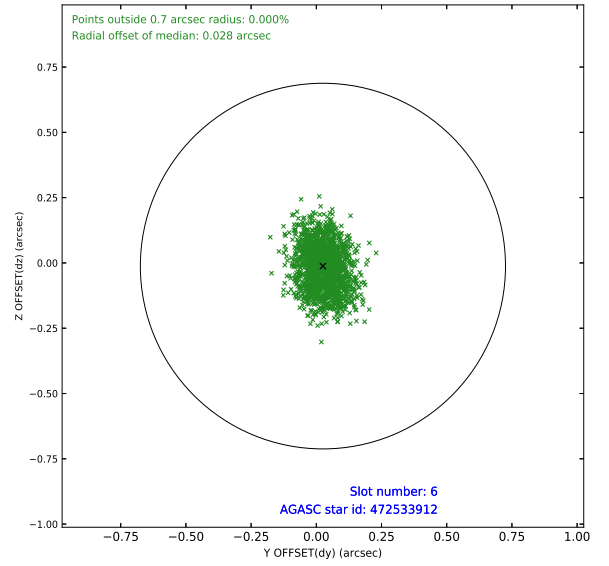
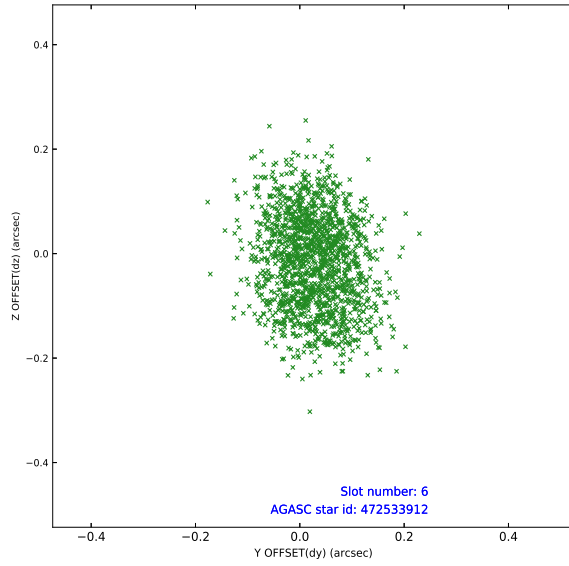
2.4.2 Slot 4



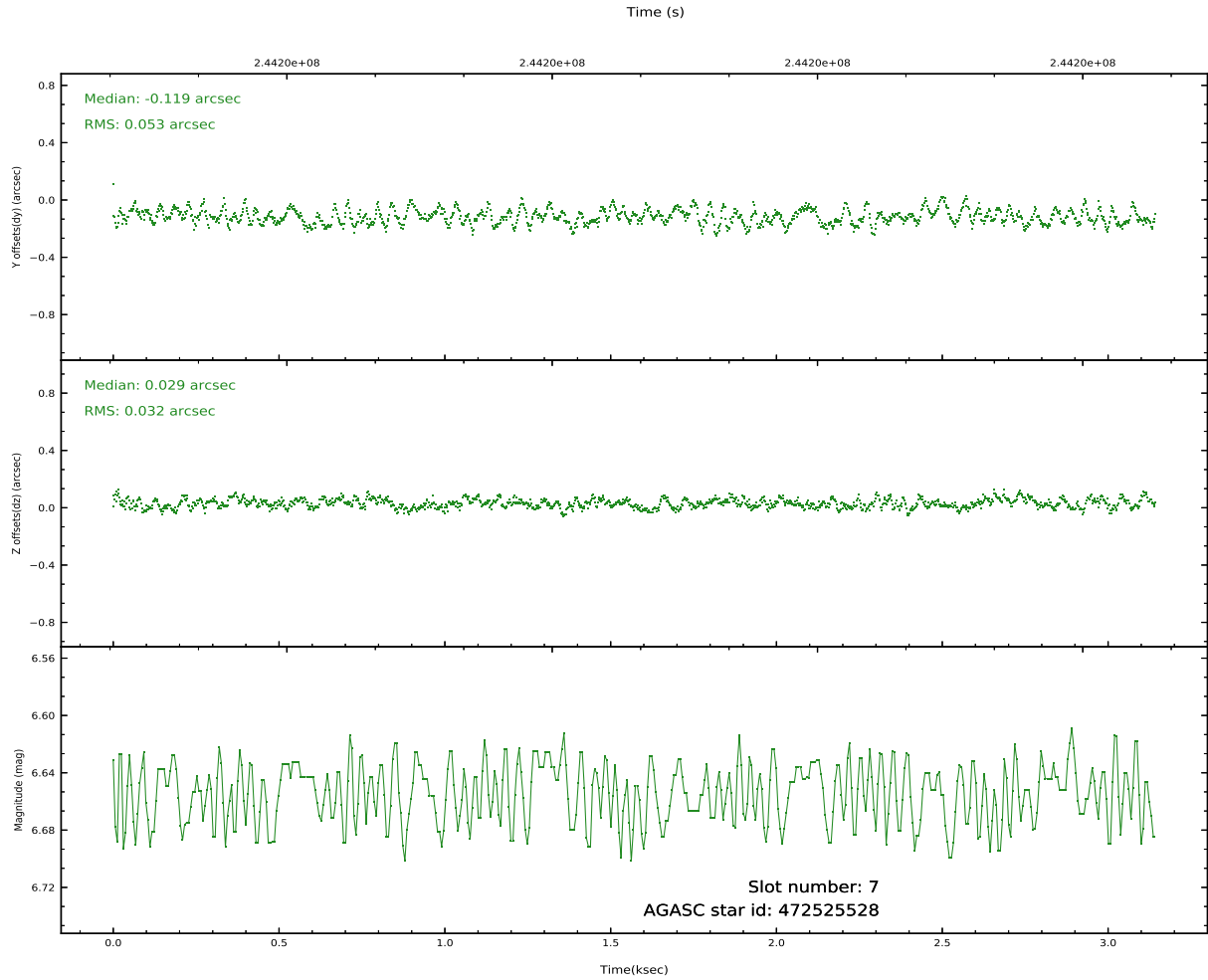
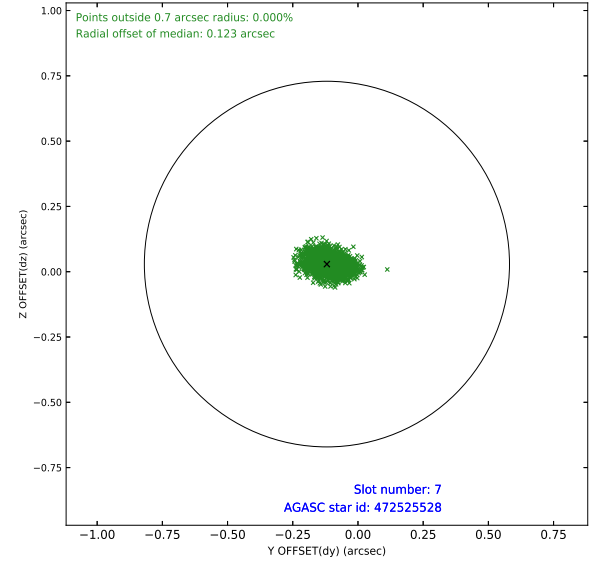
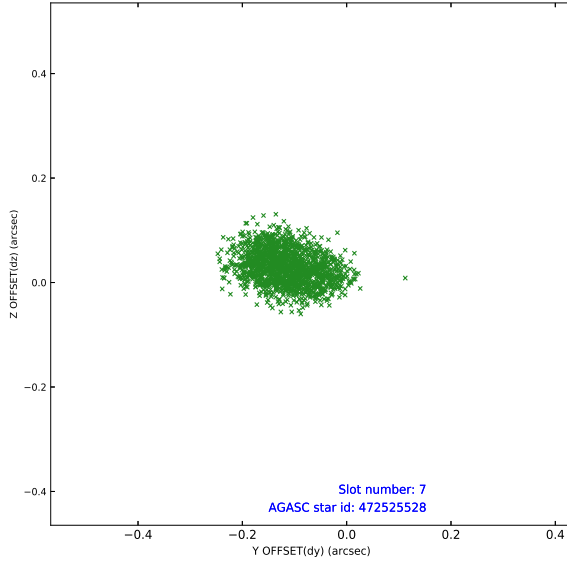
2.4.3 Slot 5



2.4.4 Slot 6

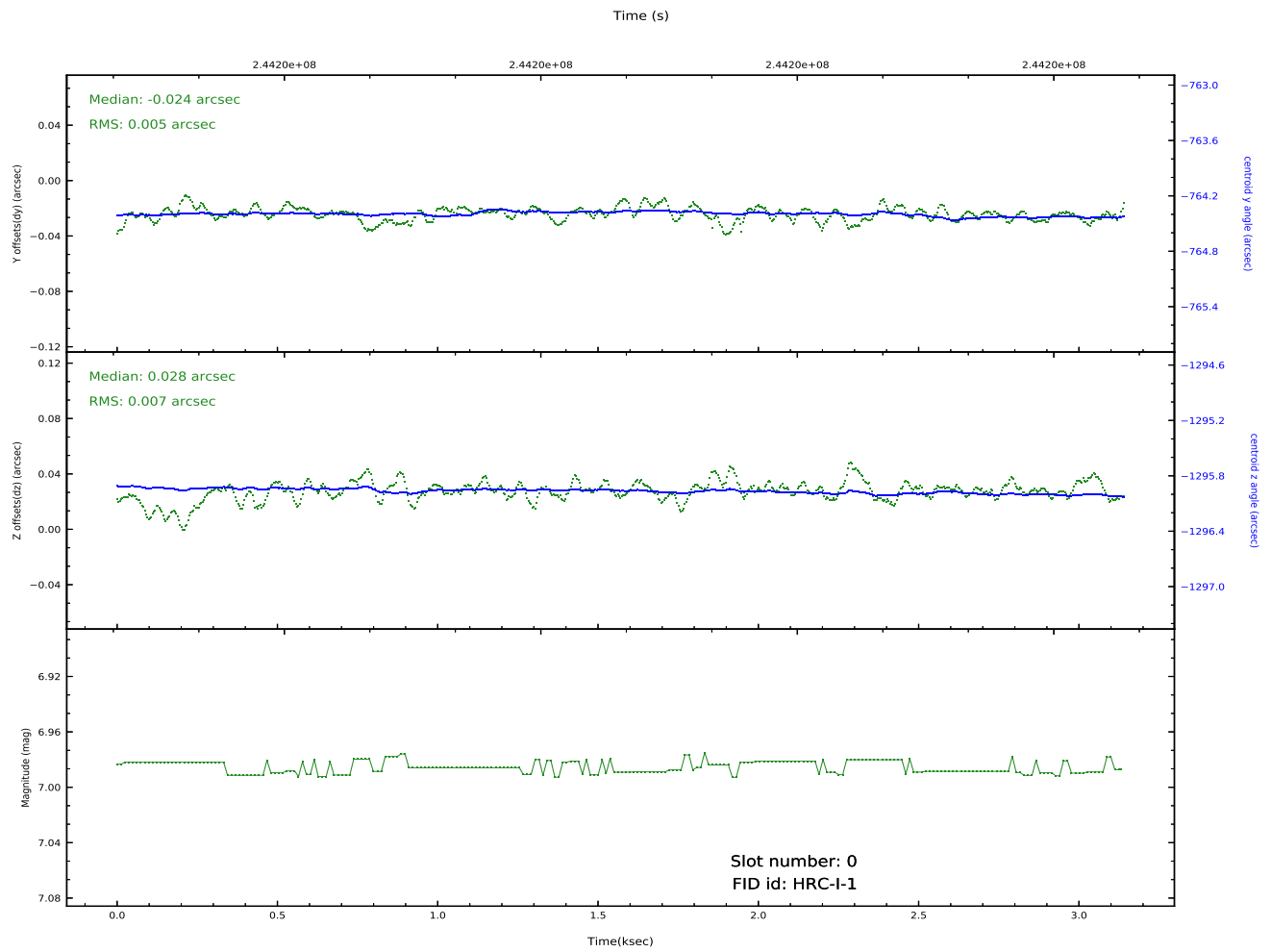
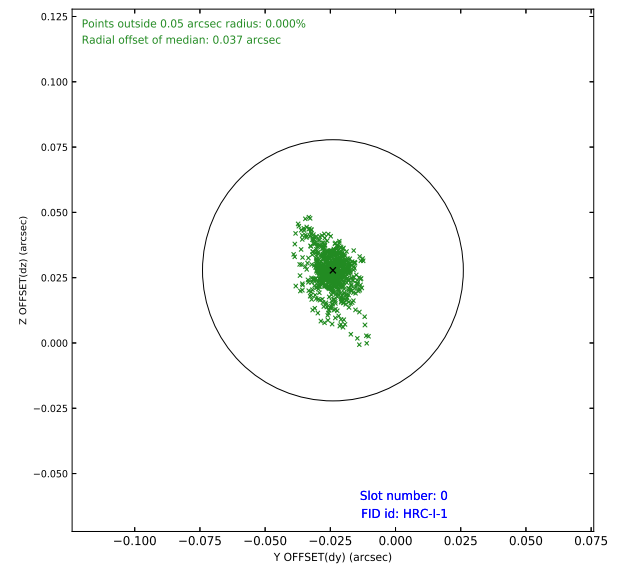
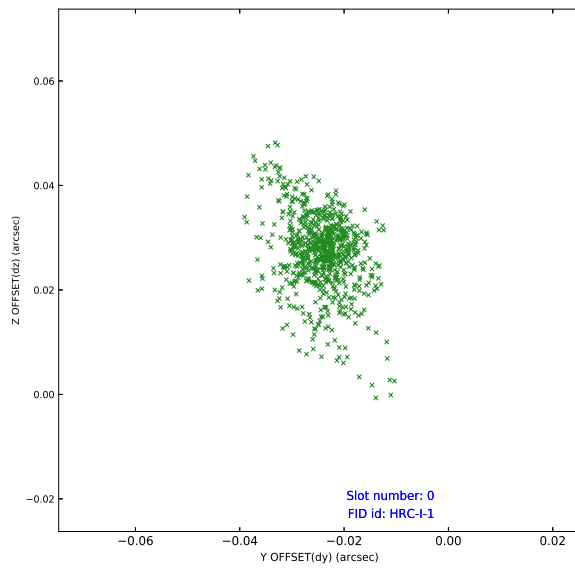


2.4.5 Slot 7

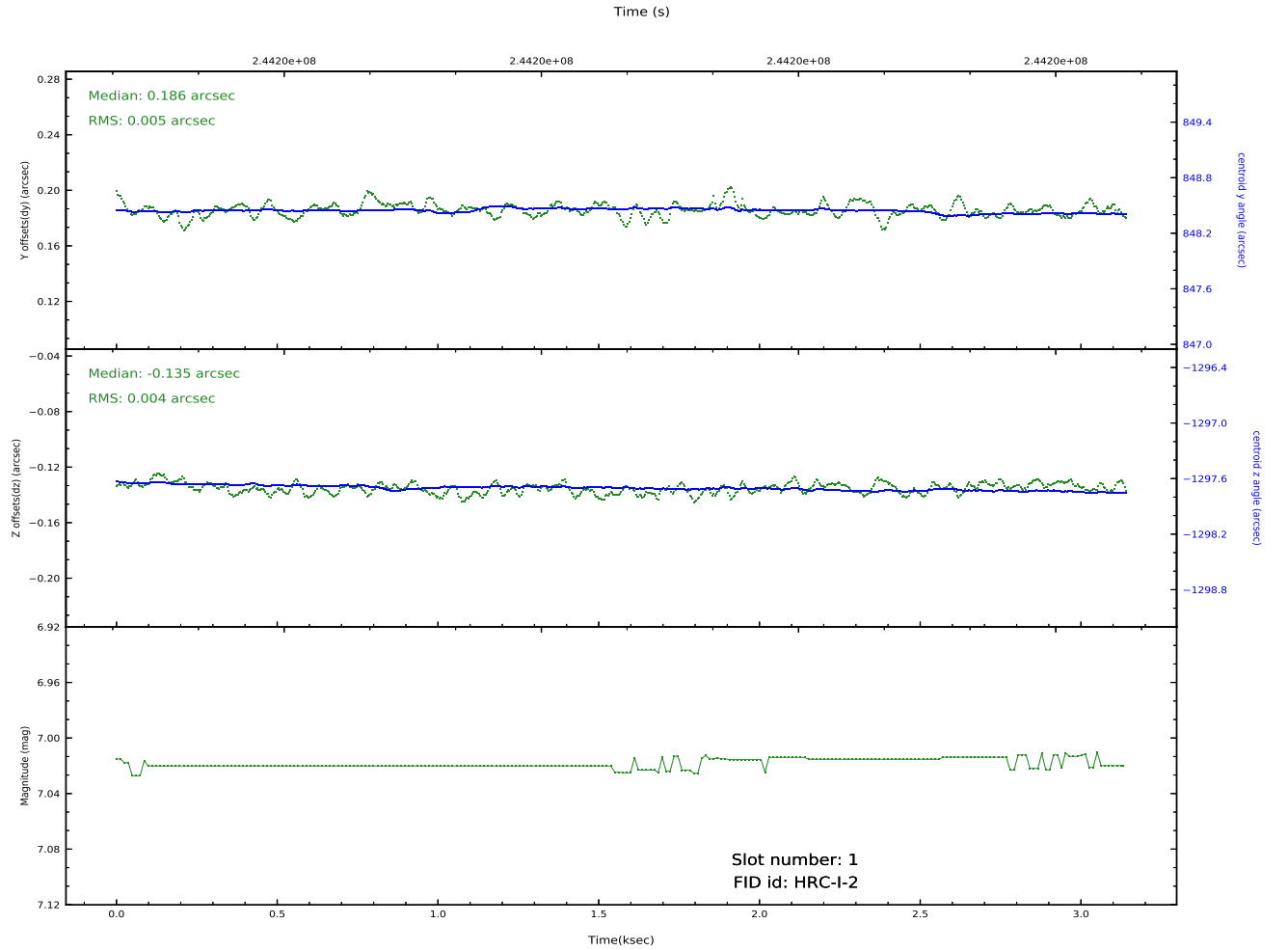
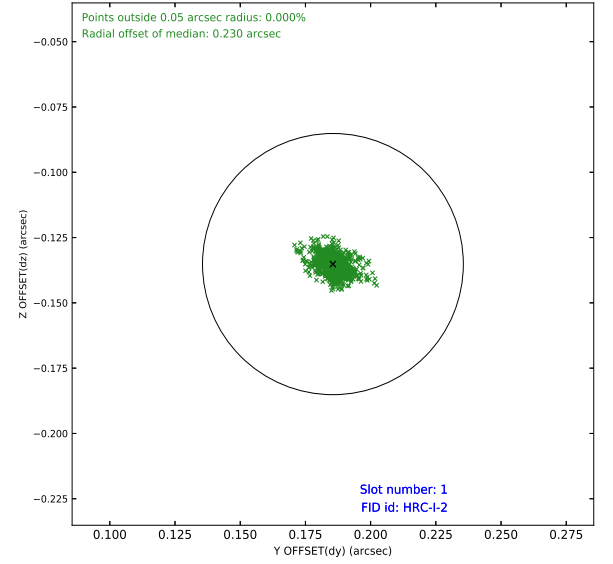
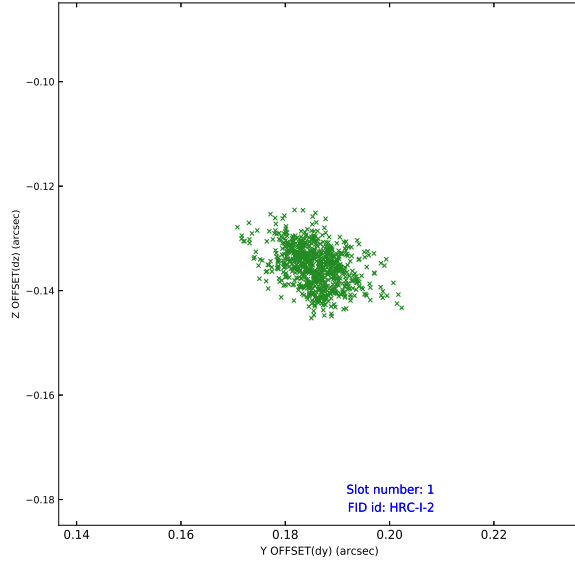


2.5 FID Slots

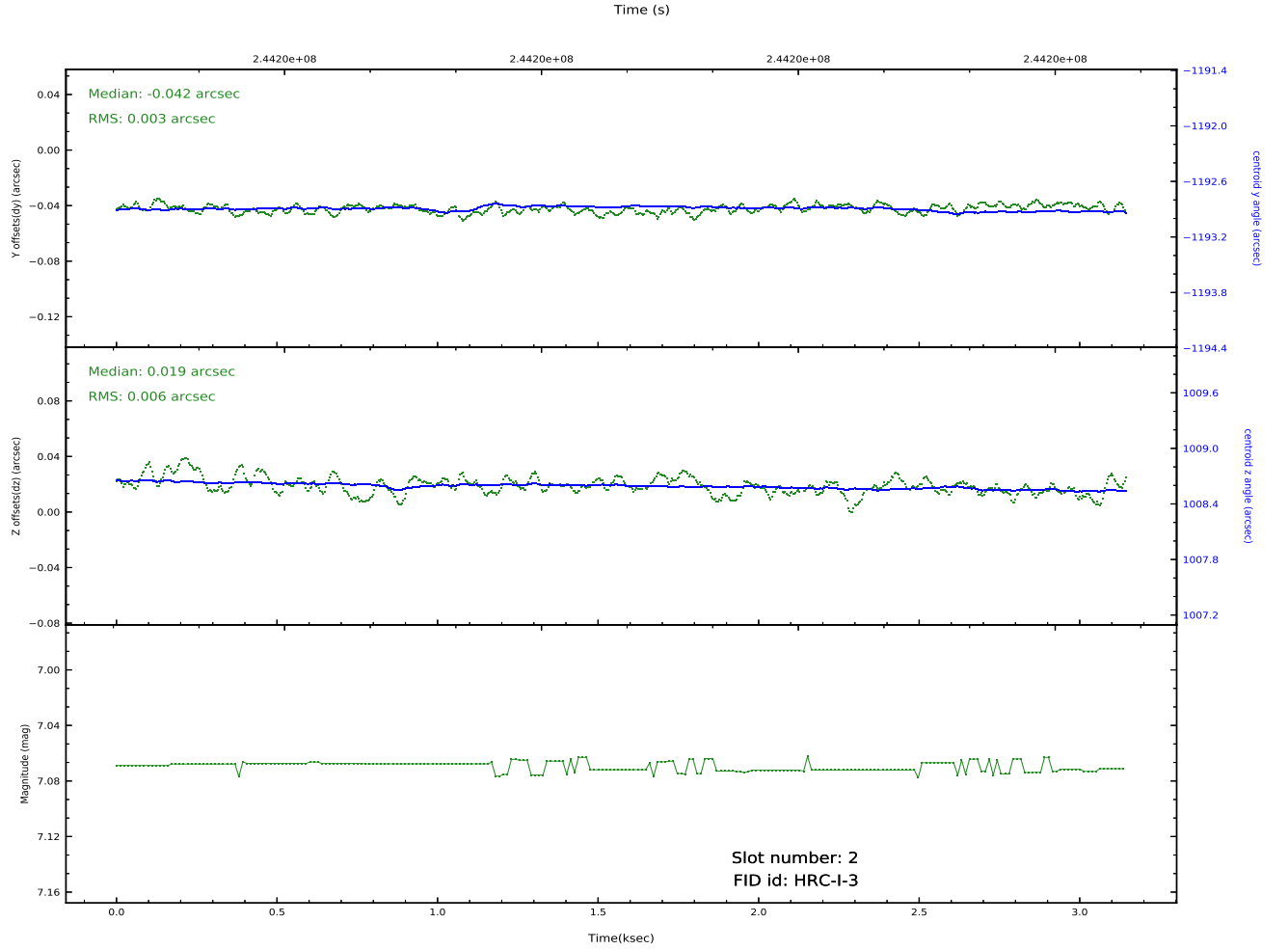
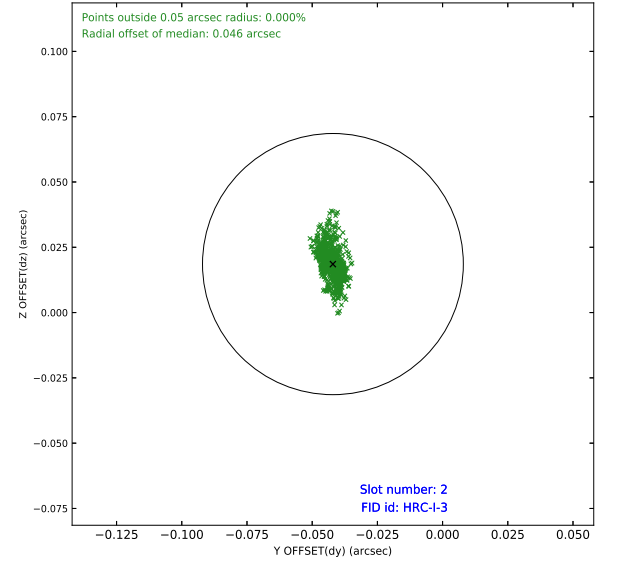
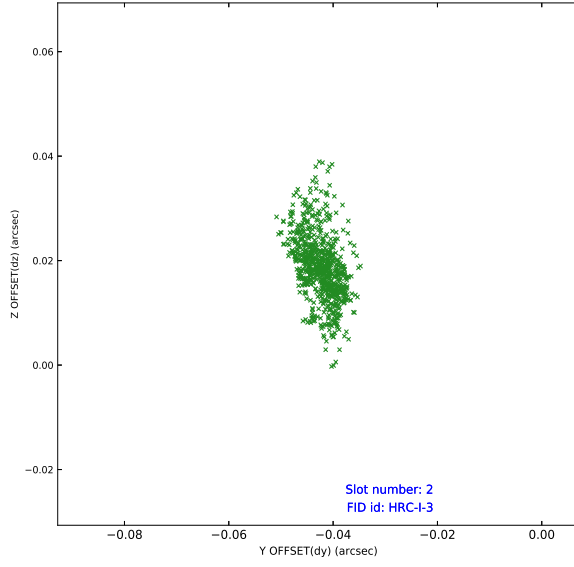
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.143675

A.2 Comments

Window constraint was met.