

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5069 - L2 Version 5
Chandra X-Ray Center

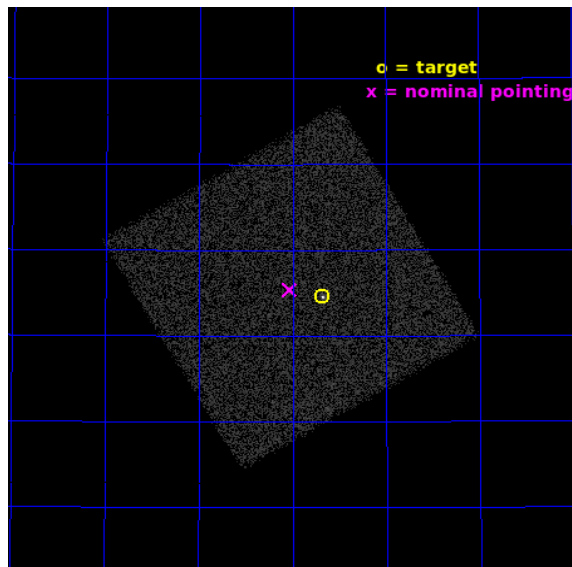
L2 Processing Date : Oct 5 2020

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1 Front

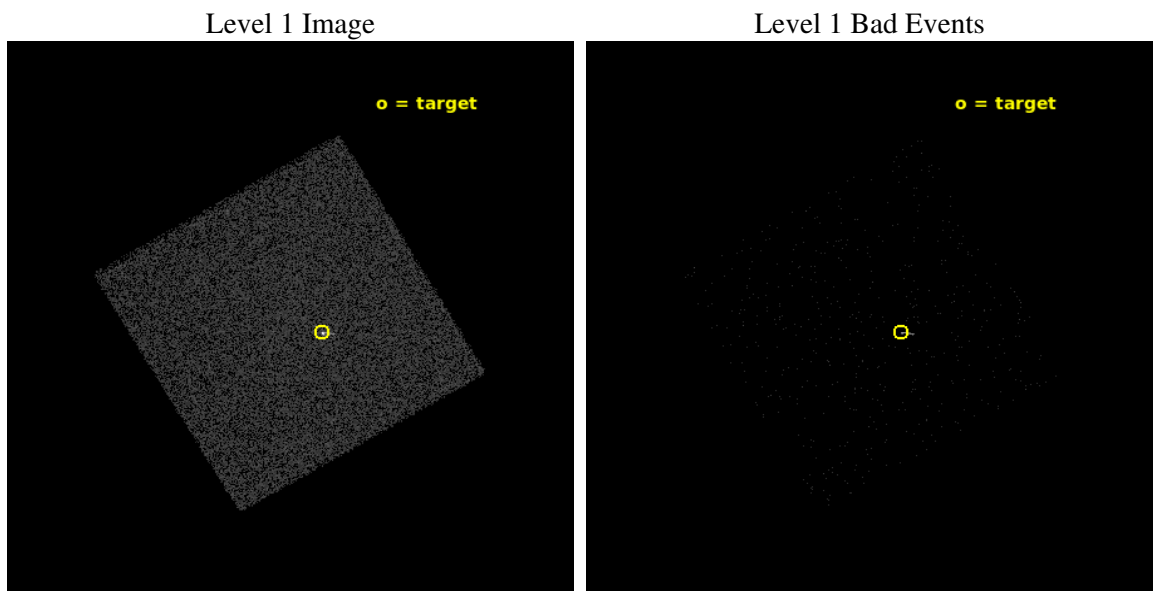
seq_num	290342	Sequence number
obs_id	5069	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25703096716	Nominal RA [deg]
dec_nom	45.756357305313	Nominal Dec [deg]
roll_nom	284.43327946376	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1083.681298703	[s]
livetime	1075.8528319322	Ontime multiplied by DTCOR
l2events	43751	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	1083.681298703	[s]
caldsver	4.9.2	 	l1events	82444	Number of level 1 events
date	2020-10-05T06:23:16	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

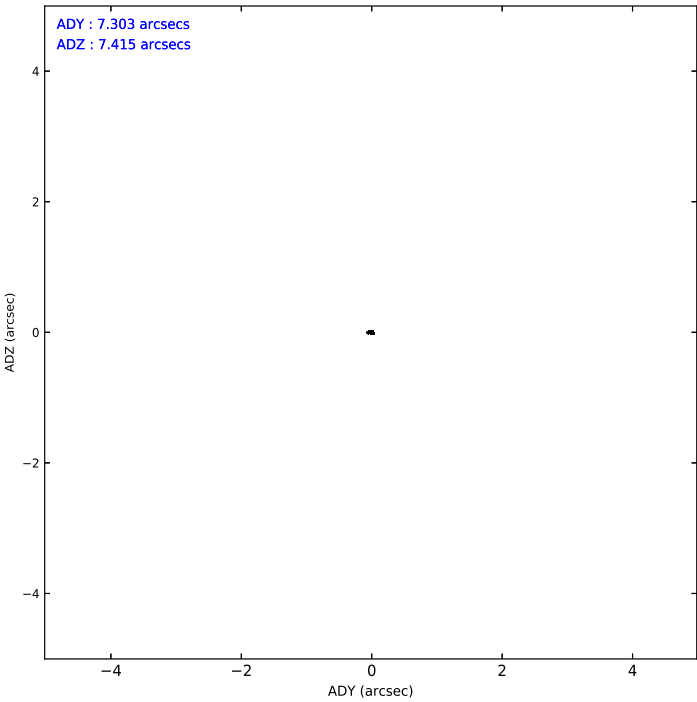
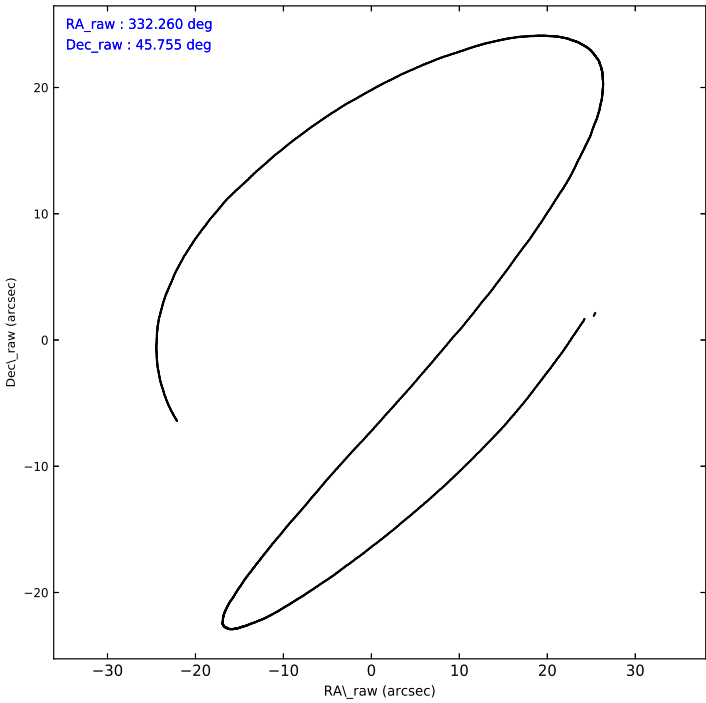
	segment 0
level 1 events	82444
rejected events	18852
rejected %	22%

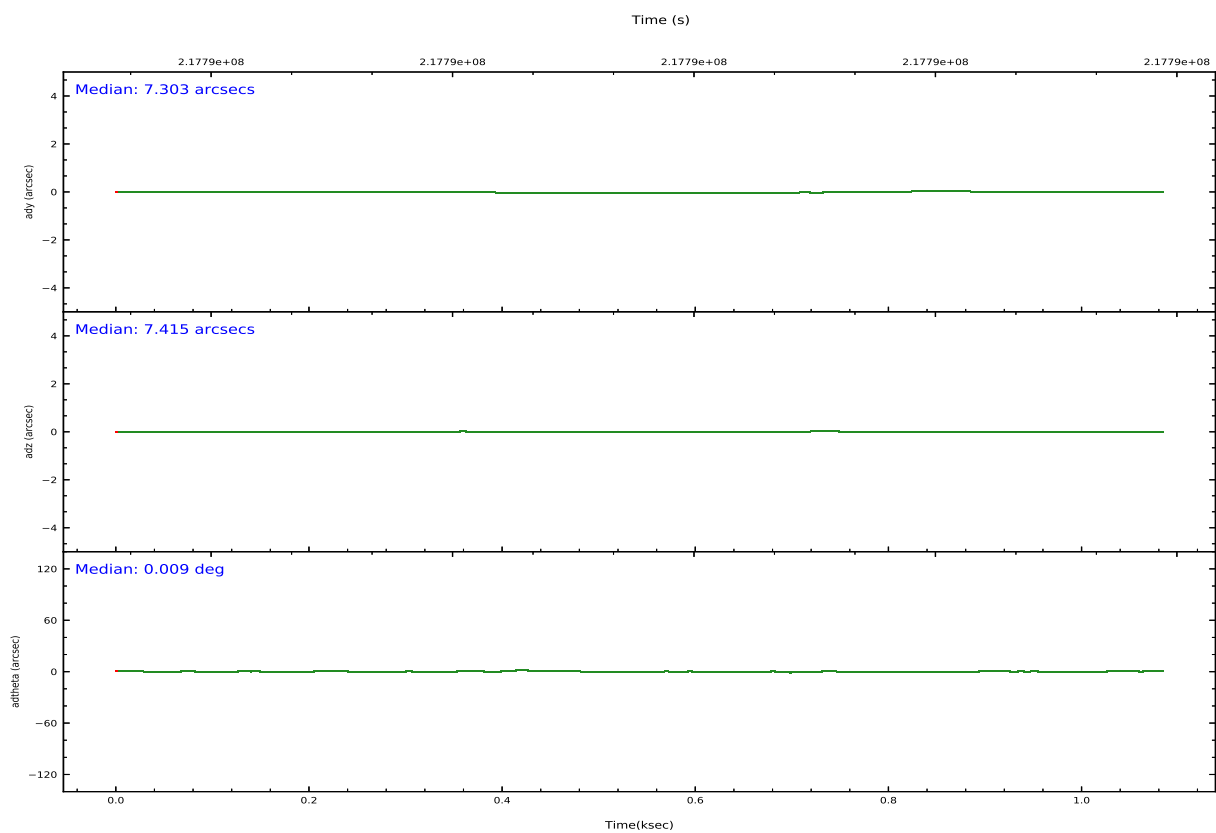
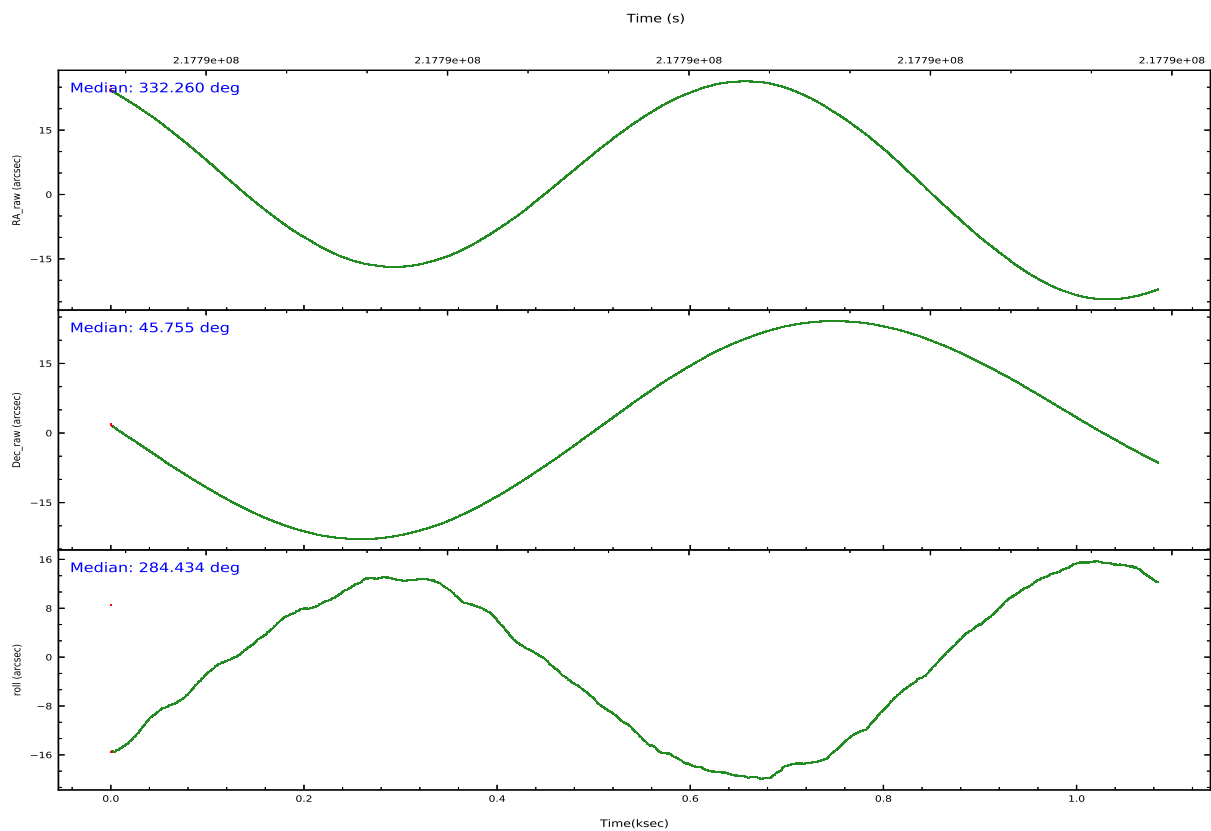
2.2 Compared Parameters

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	332.233757	332.25703096716
[deg] Pointing Dec	45.773858	45.756357305313
[deg] Pointing Roll	284.564299	284.43327946376
[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)	217787337.184000	217786961.30828
Observation start date	2004-11-25T16:27:53	2004-11-25T16:22:41
[s] Observation end time (MET)	217788237.184000	217788371.19584
Observation end date	2004-11-25T16:42:53	2004-11-25T16:46:11

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

2.3 Aspect



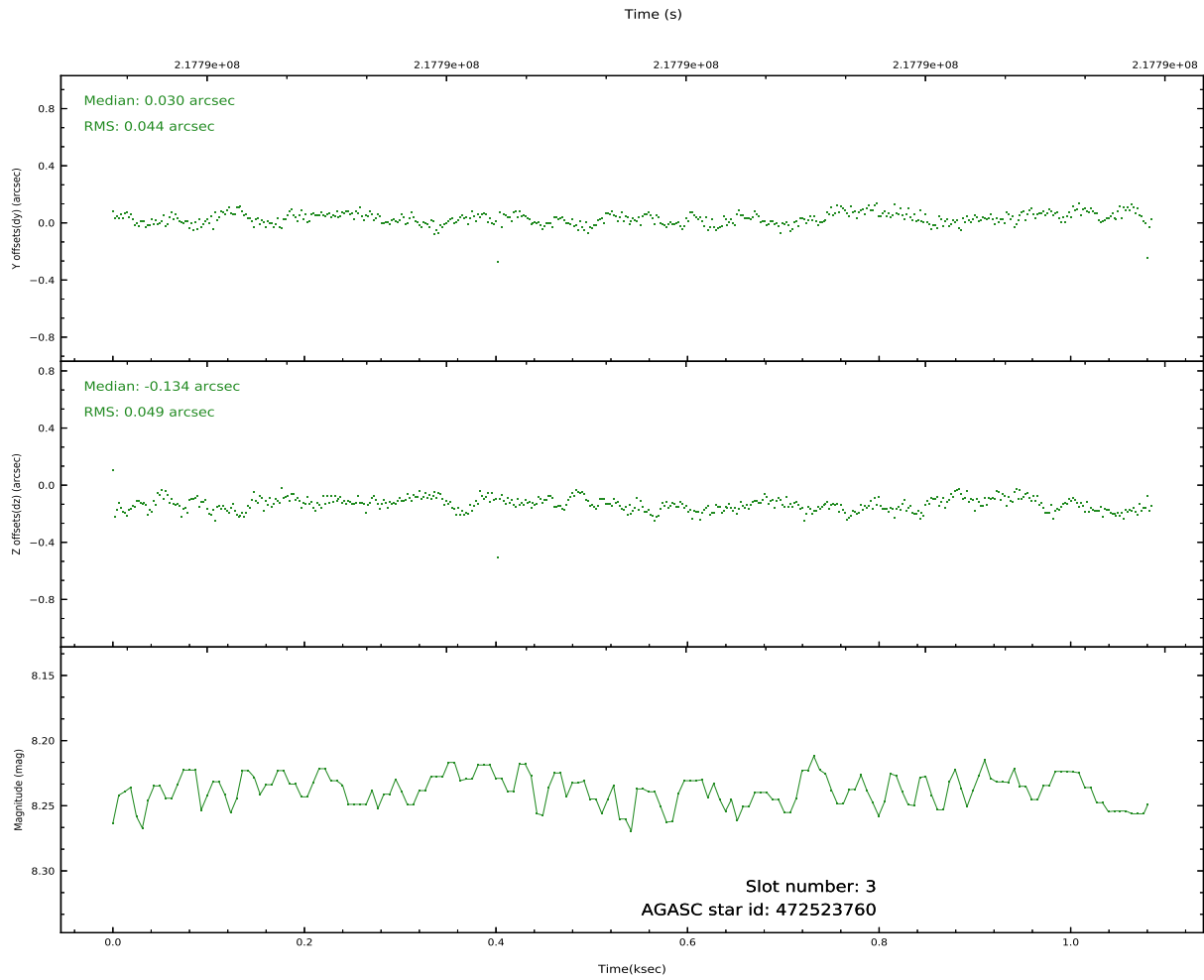
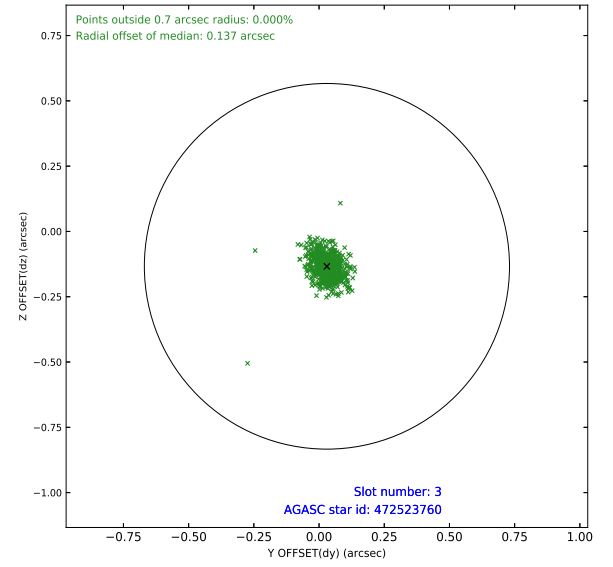
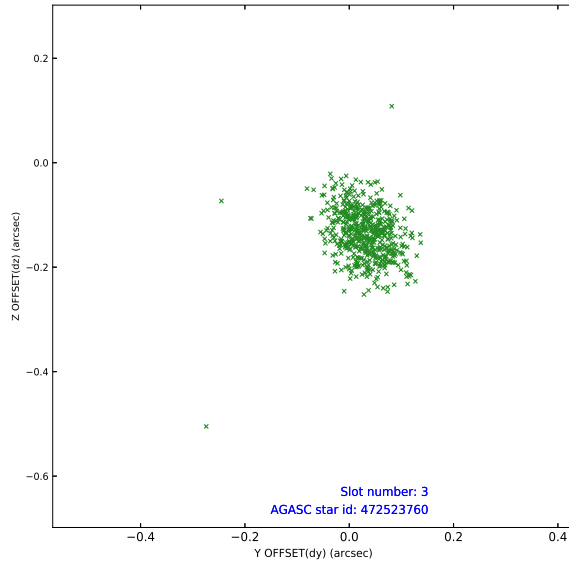


Slot Statistics

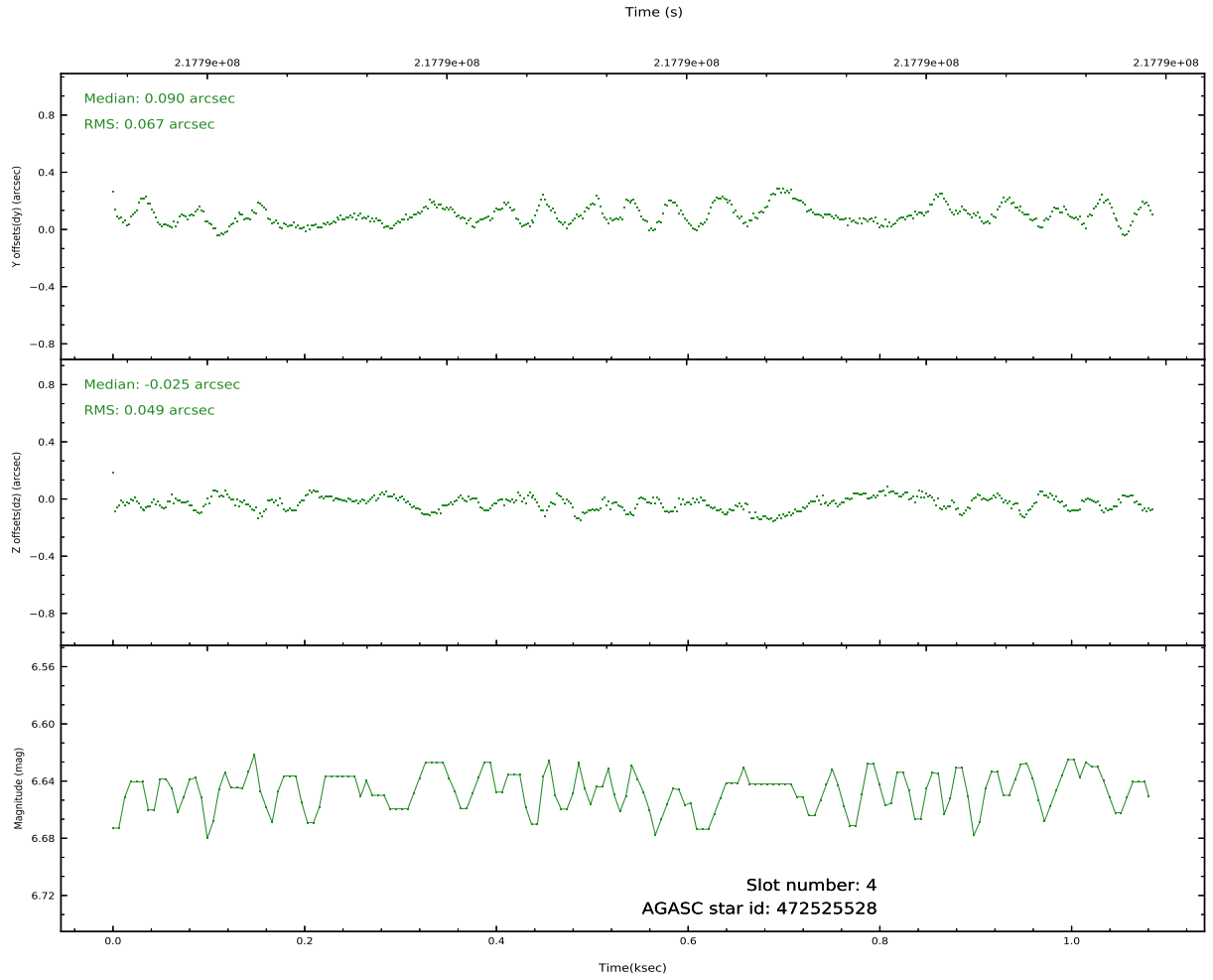
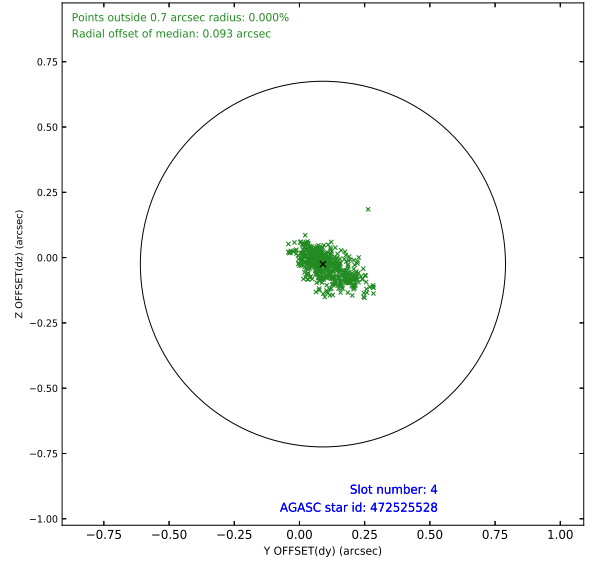
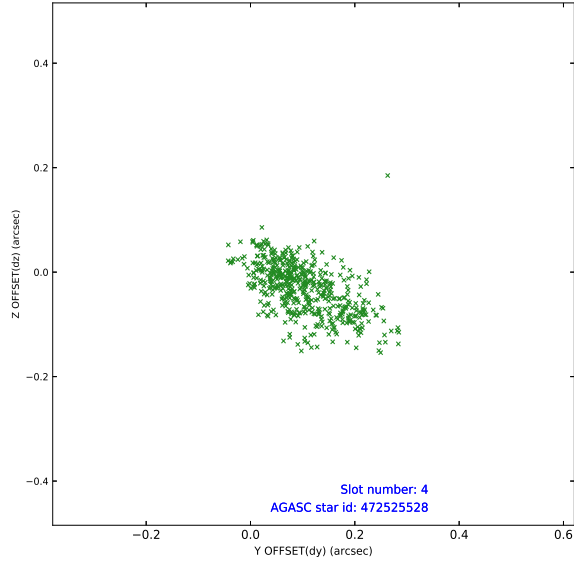
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	265	1.000	-0.012	-0.002	0.006	0.011	0.000000	0.000000	-762.90	-1295
1	FID		HRC-I-2	7.05	265	1.000	0.157	-0.111	0.005	0.010	0.000000	0.000000	847.02	-1301
2	FID		HRC-I-3	7.10	265	1.000	-0.026	0.023	0.005	0.011	0.000000	0.000000	-1188.20	1004
3	GUIDE	used	472523760	8.24	530	1.000	0.030	-0.134	0.065	0.109	331.645363	45.403260	912.62	-1771
4	GUIDE	used	472525528	6.65	530	1.000	0.090	-0.025	0.086	0.146	331.551102	45.248694	1390.12	-2149
5	GUIDE	used	472659832	9.46	529	1.000	-0.088	0.095	0.106	0.179	332.780399	46.098139	-788.61	1613
6	GUIDE	used	472533912	9.15	530	1.000	-0.110	0.015	0.092	0.148	331.791136	46.368695	-2353.27	-519
7	GUIDE	used	472655152	9.43	525	1.000	0.064	0.054	0.107	0.184	332.504239	45.862991	-145.31	738

2.4 Star Slots

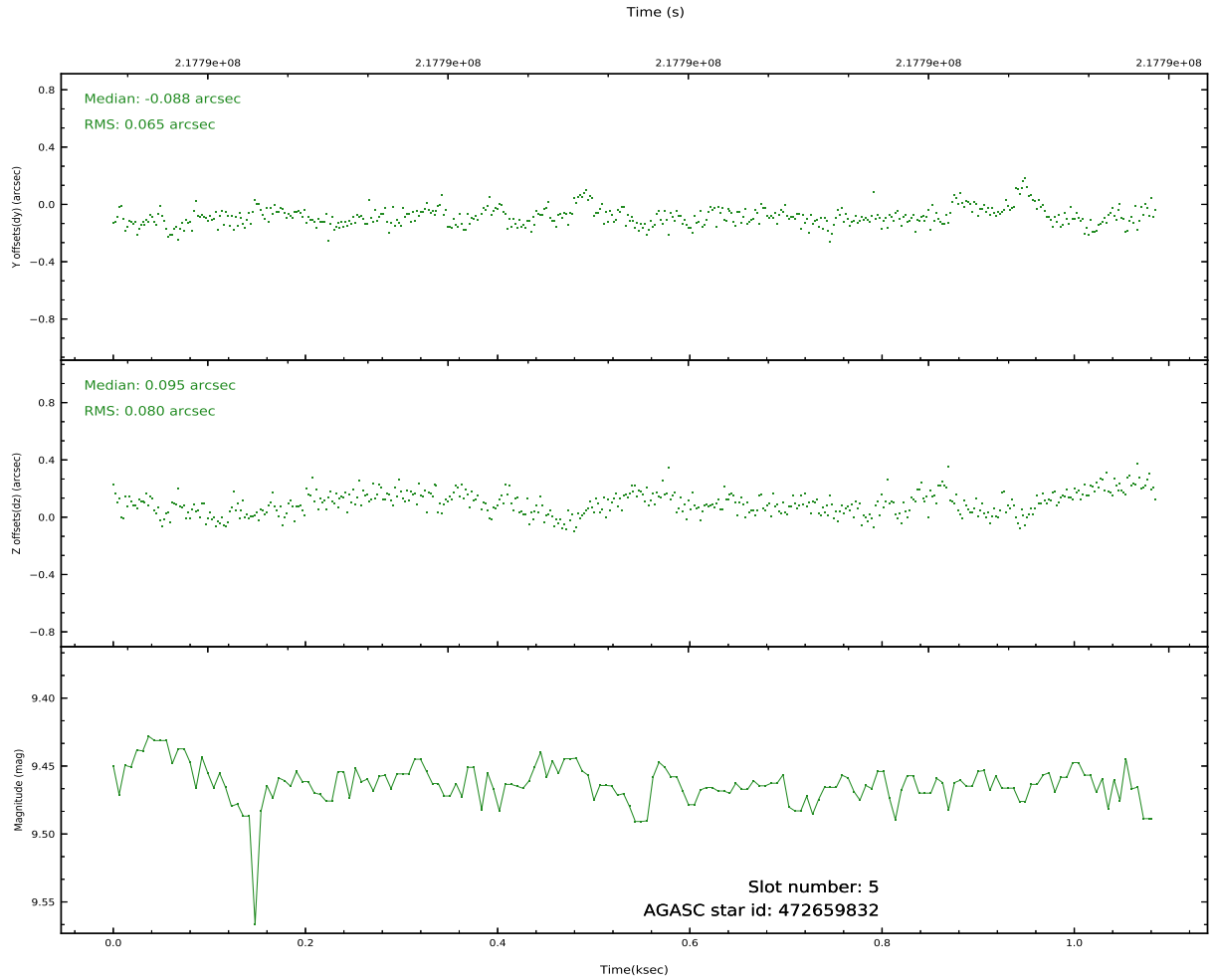
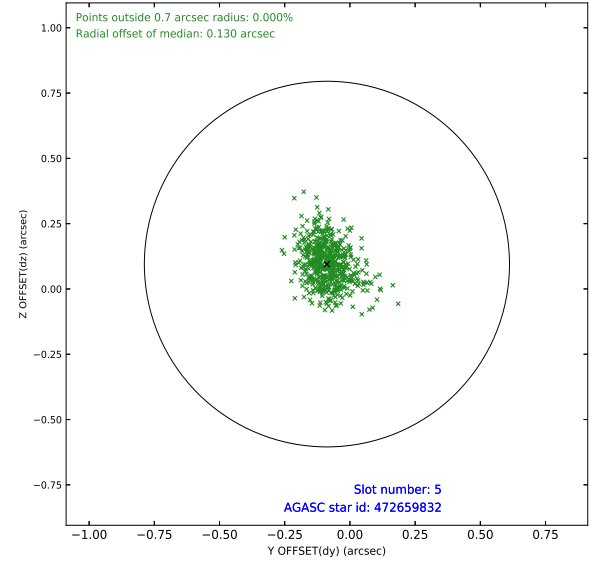
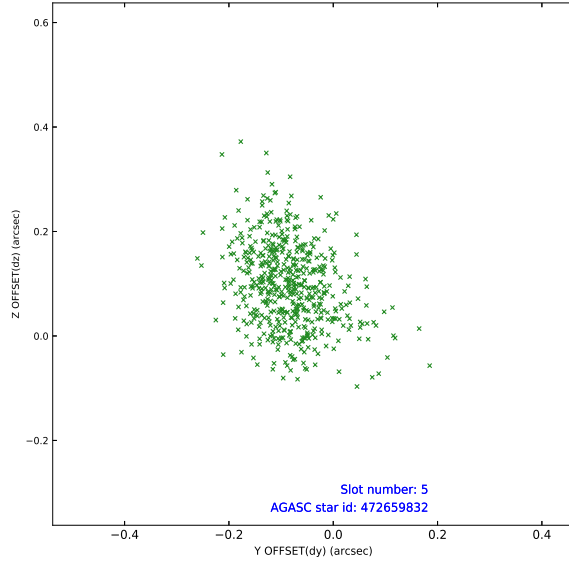
2.4.1 Slot 3



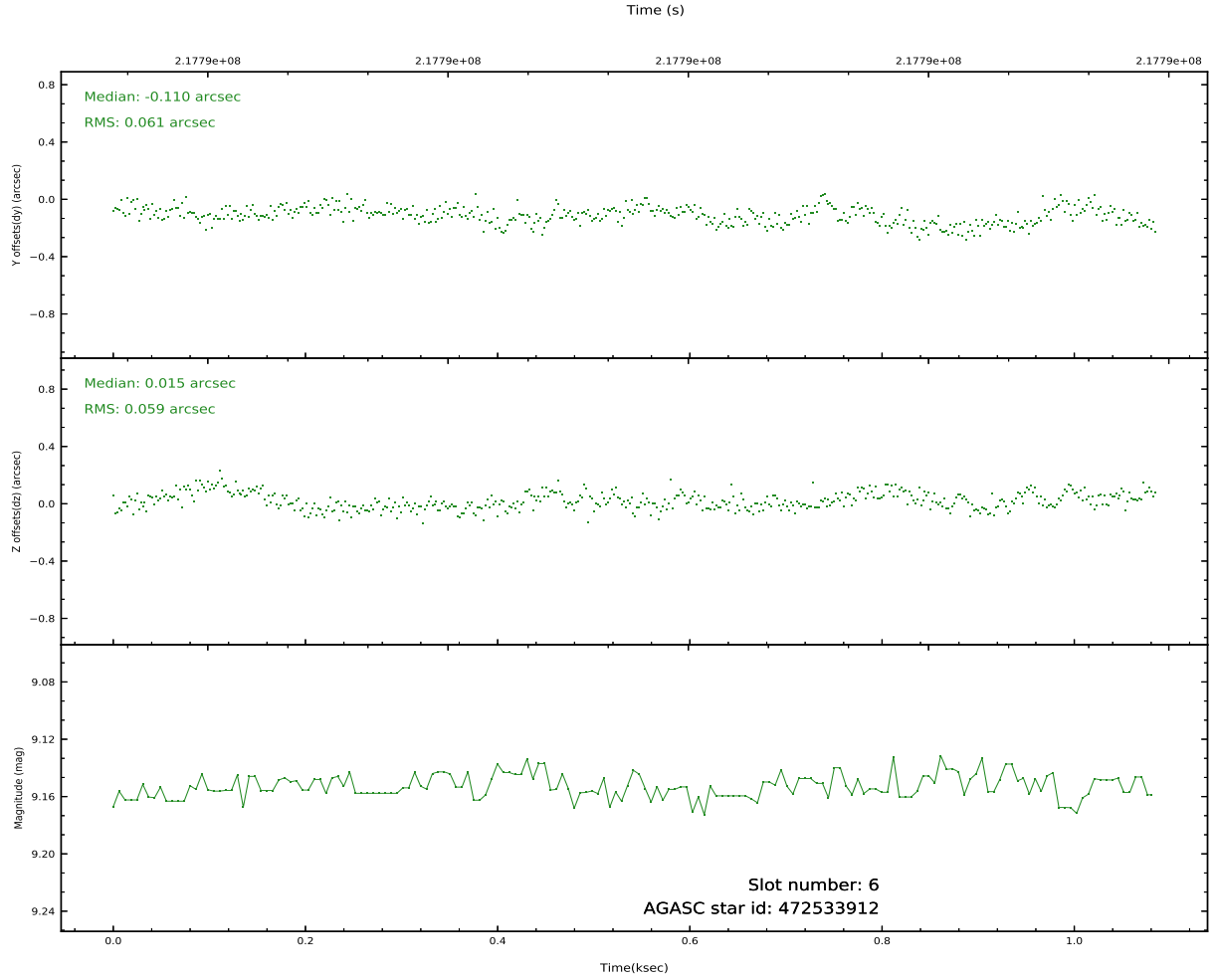
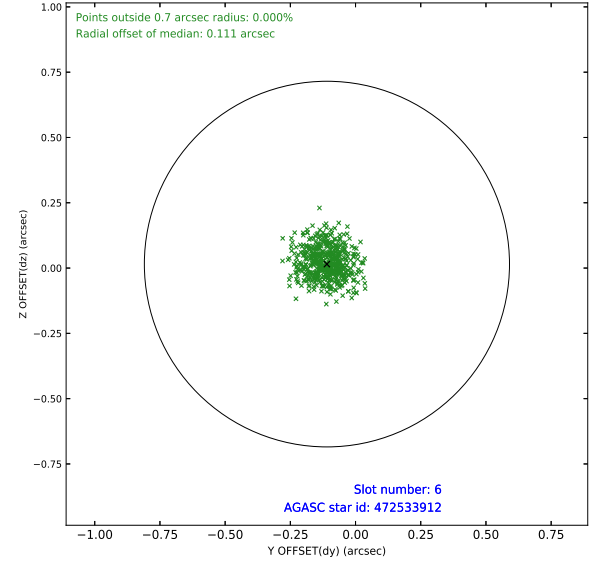
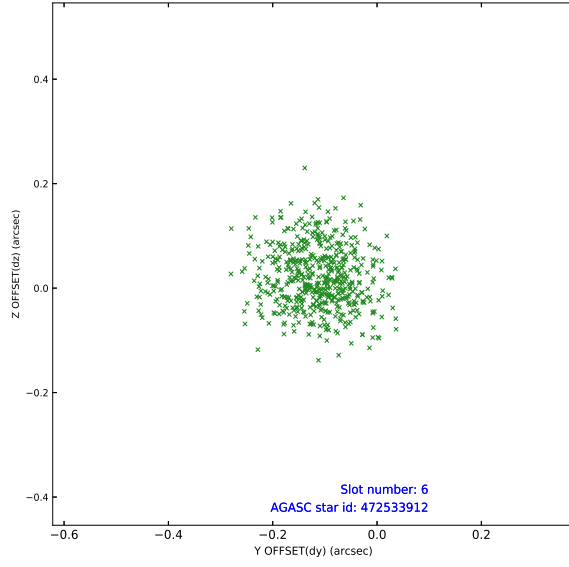
2.4.2 Slot 4



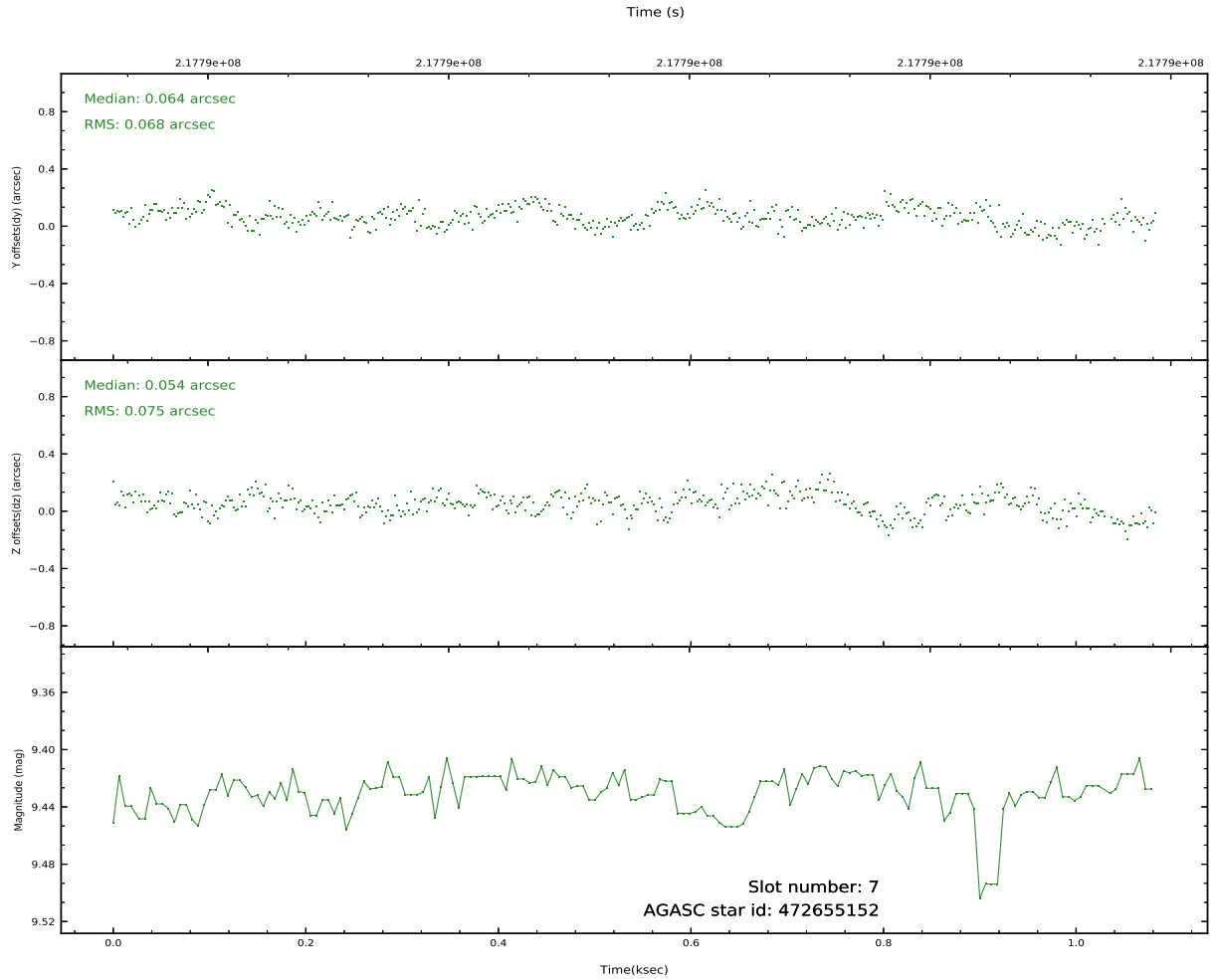
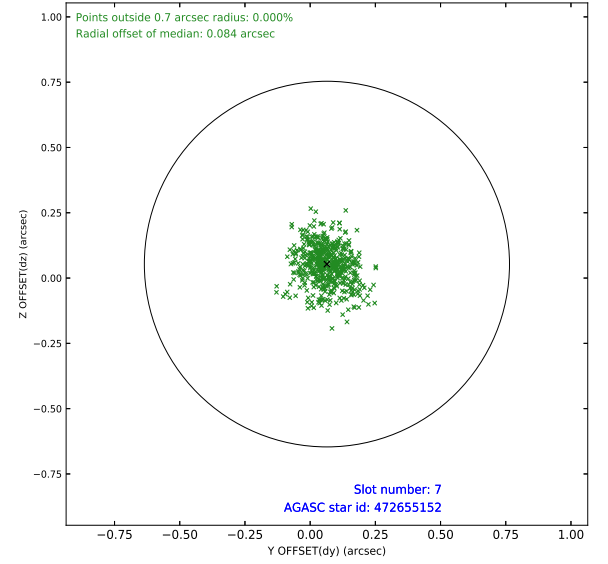
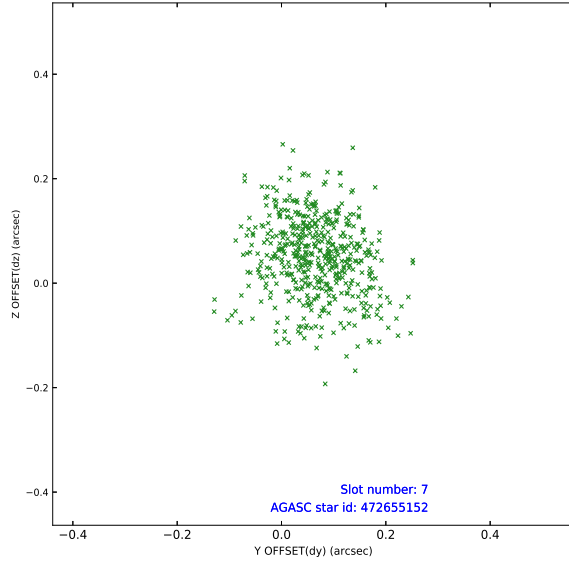
2.4.3 Slot 5



2.4.4 Slot 6

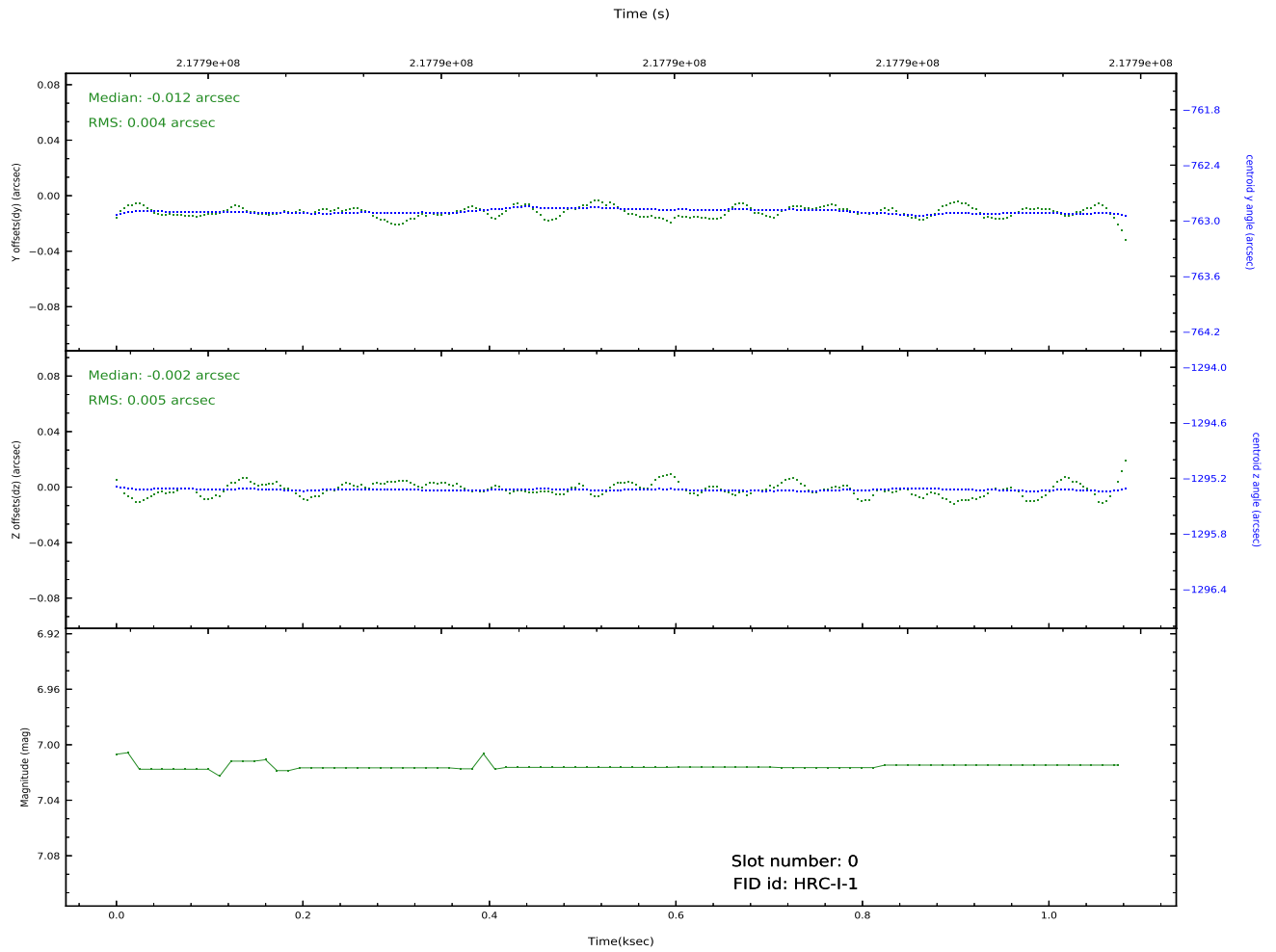
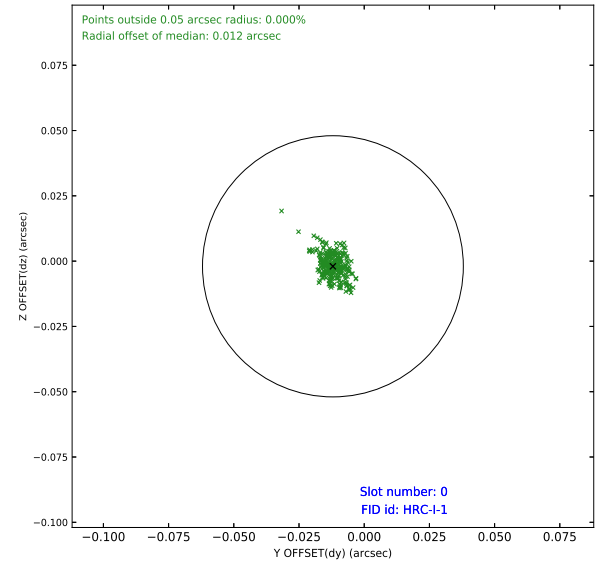
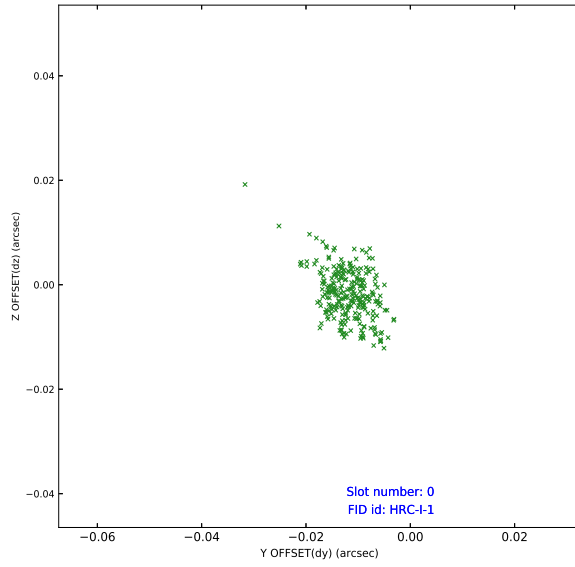


2.4.5 Slot 7

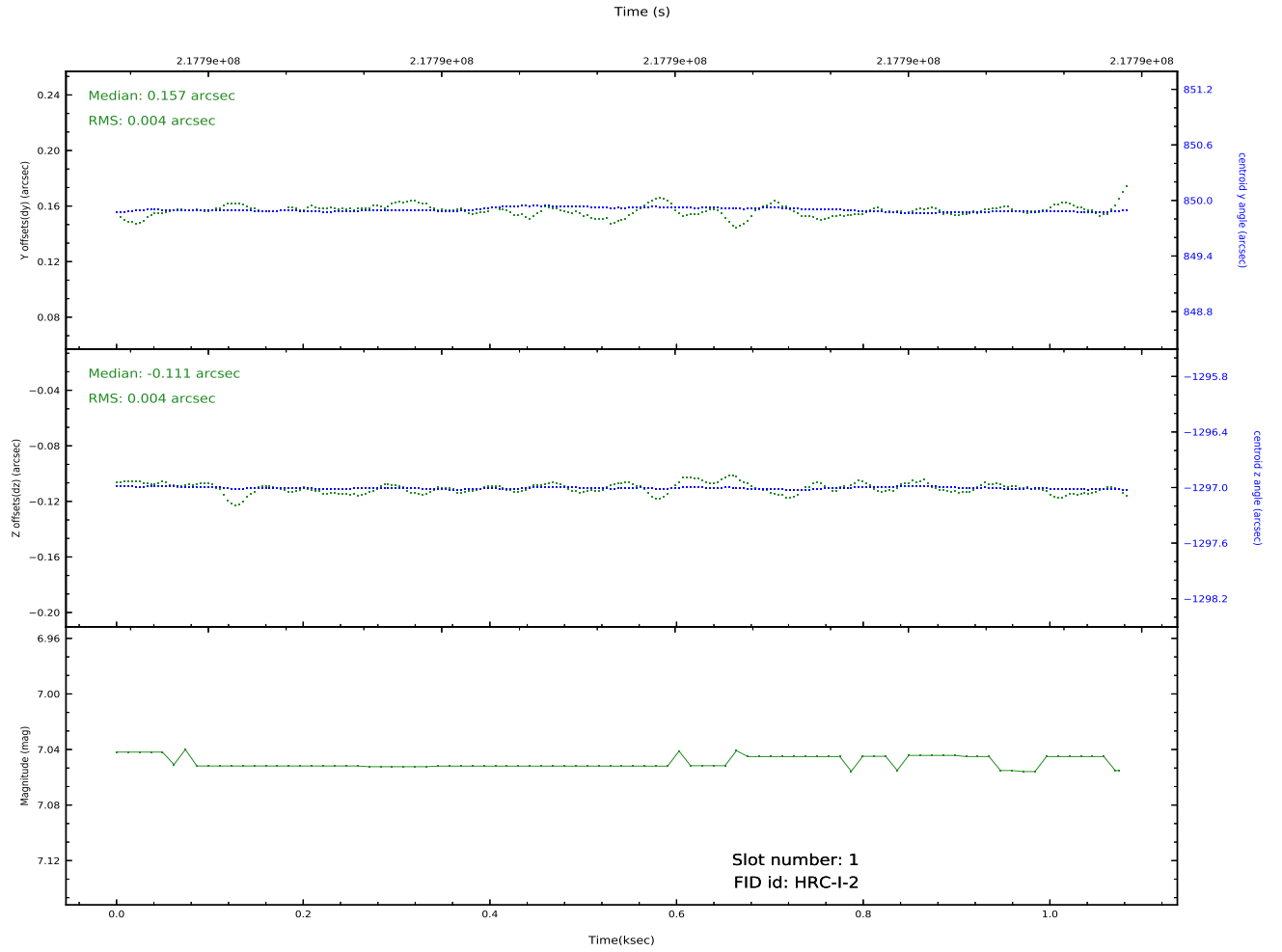
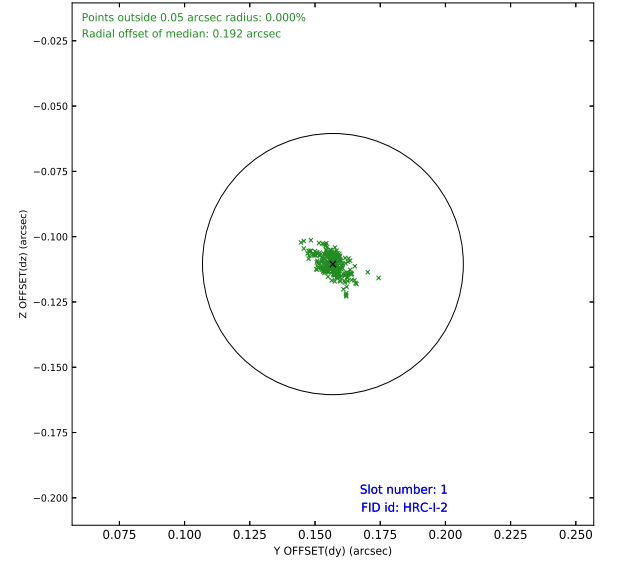
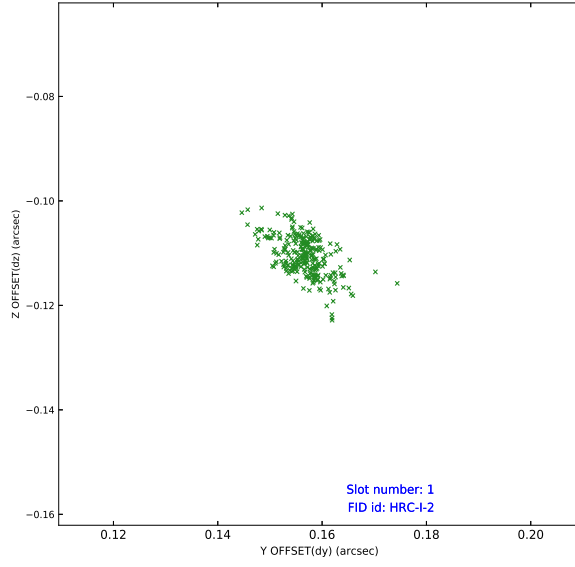


2.5 FID Slots

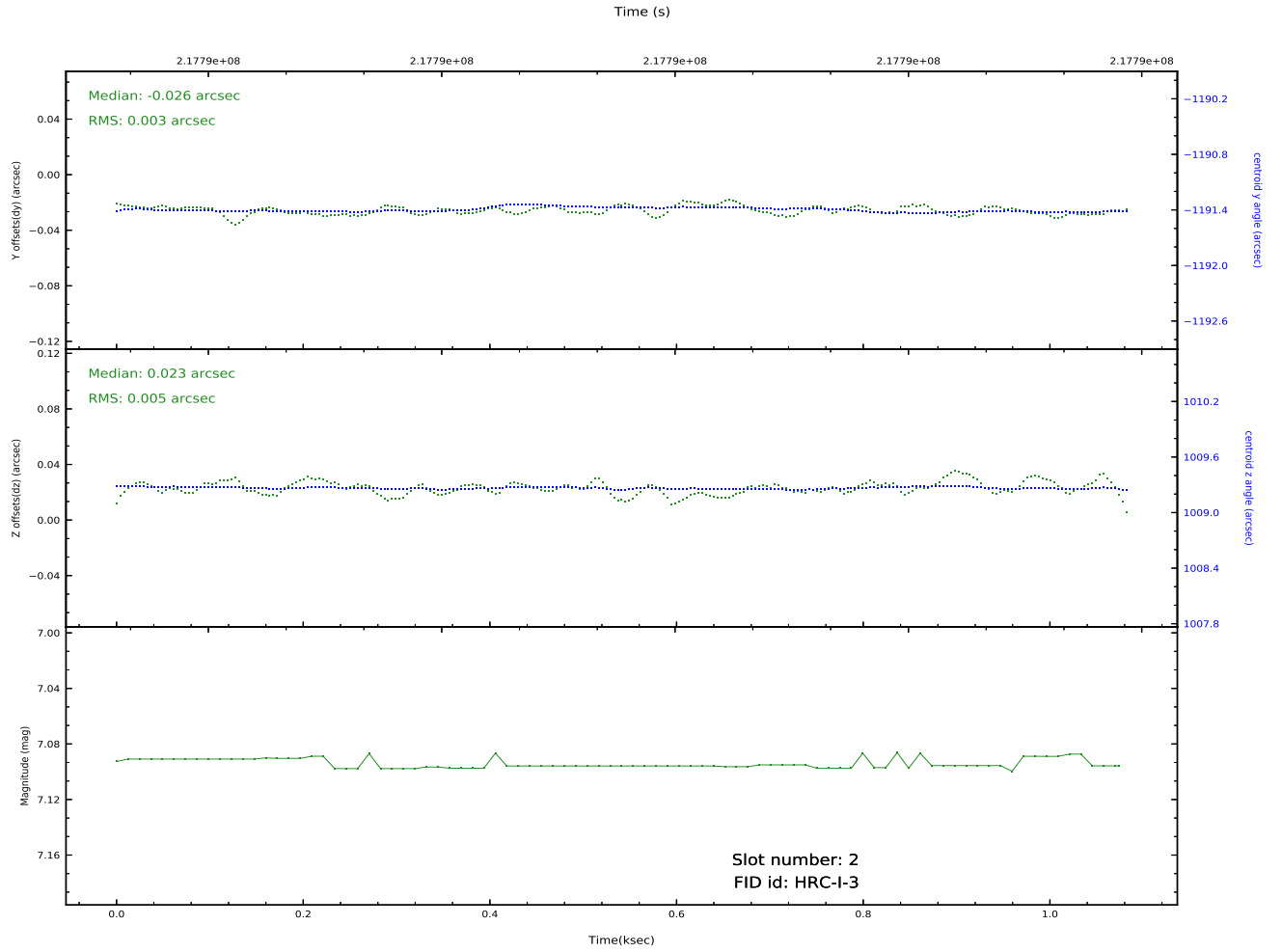
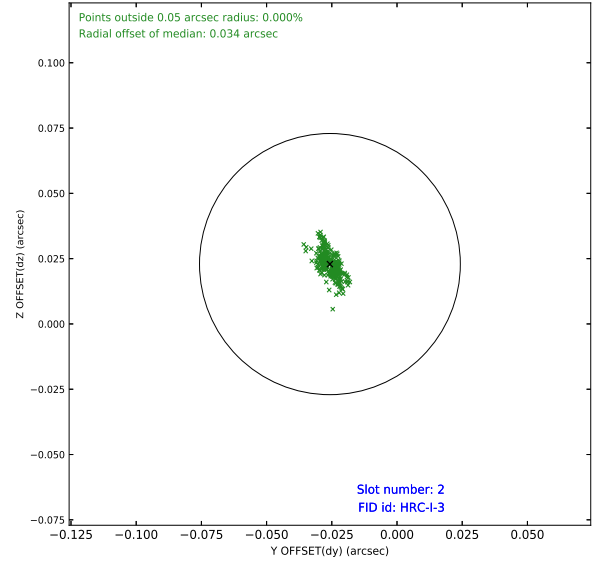
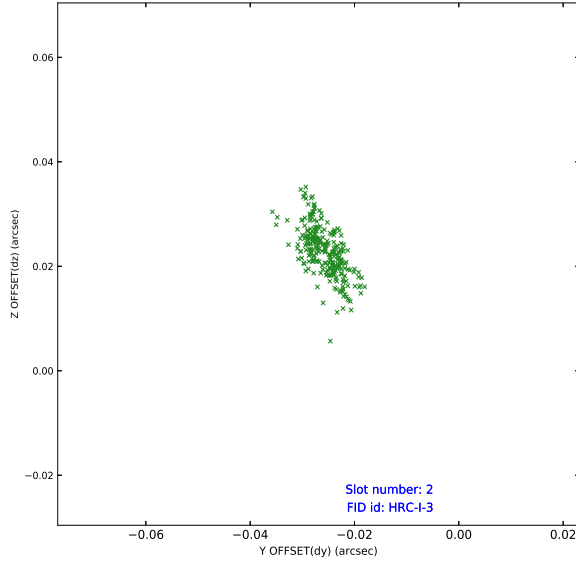
2.5.1 Slot 0



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	1.083681

A.2 Comments