

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5999 - L2 Version 5
Chandra X-Ray Center

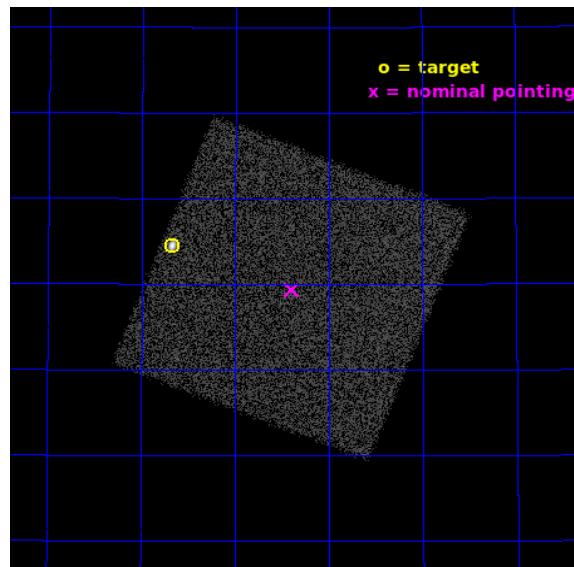
L2 Processing Date : Oct 10 2020

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

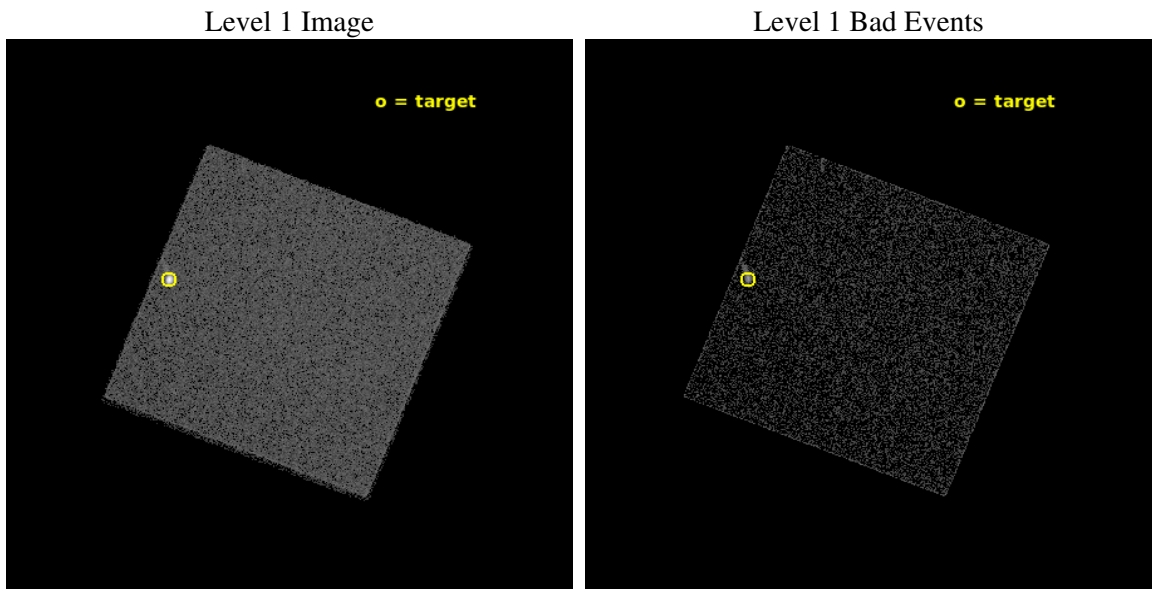
seq_num	290491	Sequence number
obs_id	5999	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.84861967684	Nominal RA [deg]
dec_nom	45.656318589799	Nominal Dec [deg]
roll_nom	246.64261991609	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1173.6250540912	[s]
livetime	1164.3720475848	Ontime multiplied by DTCOR
l2events	55885	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	1173.6250540912	[s]
caldbver	4.9.2	 	l1events	160788	Number of level 1 events
date	2020-10-11T02:48:45	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

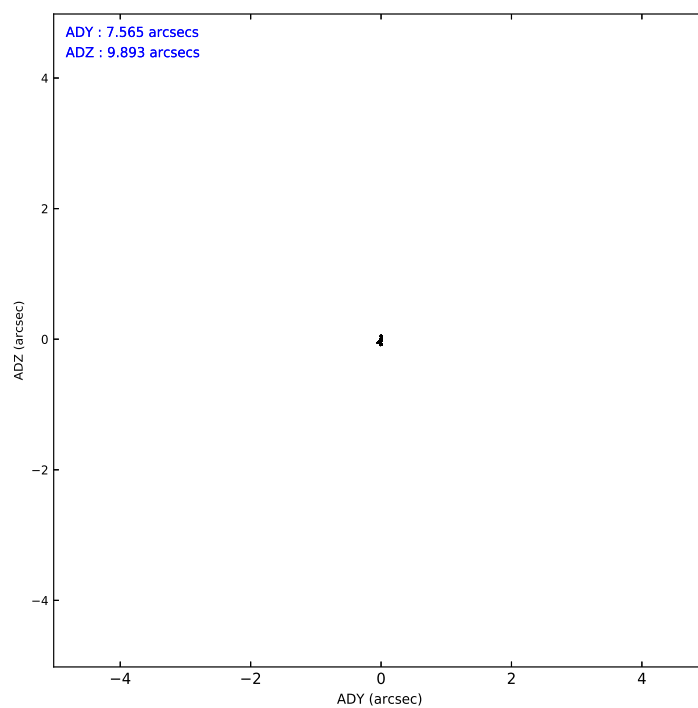
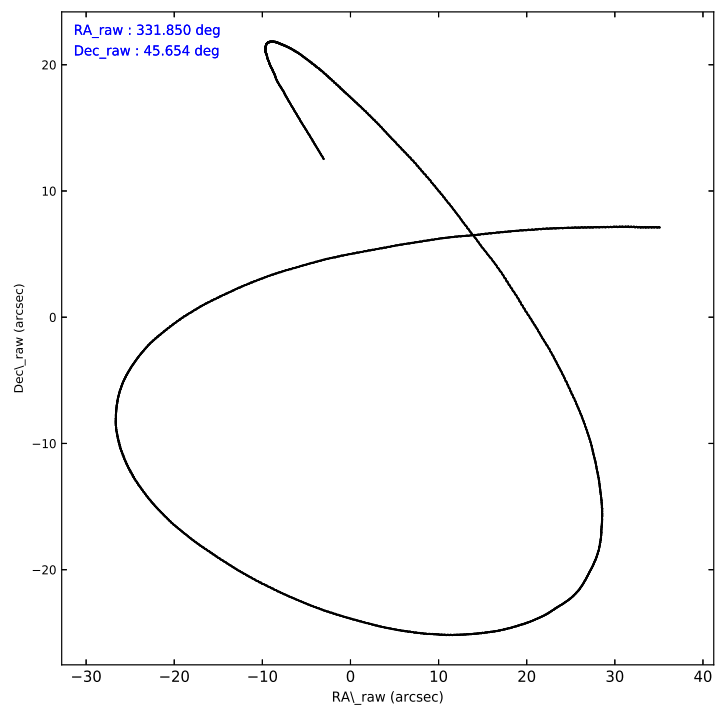
	segment 0
level 1 events	160788
rejected events	81776
rejected %	50%

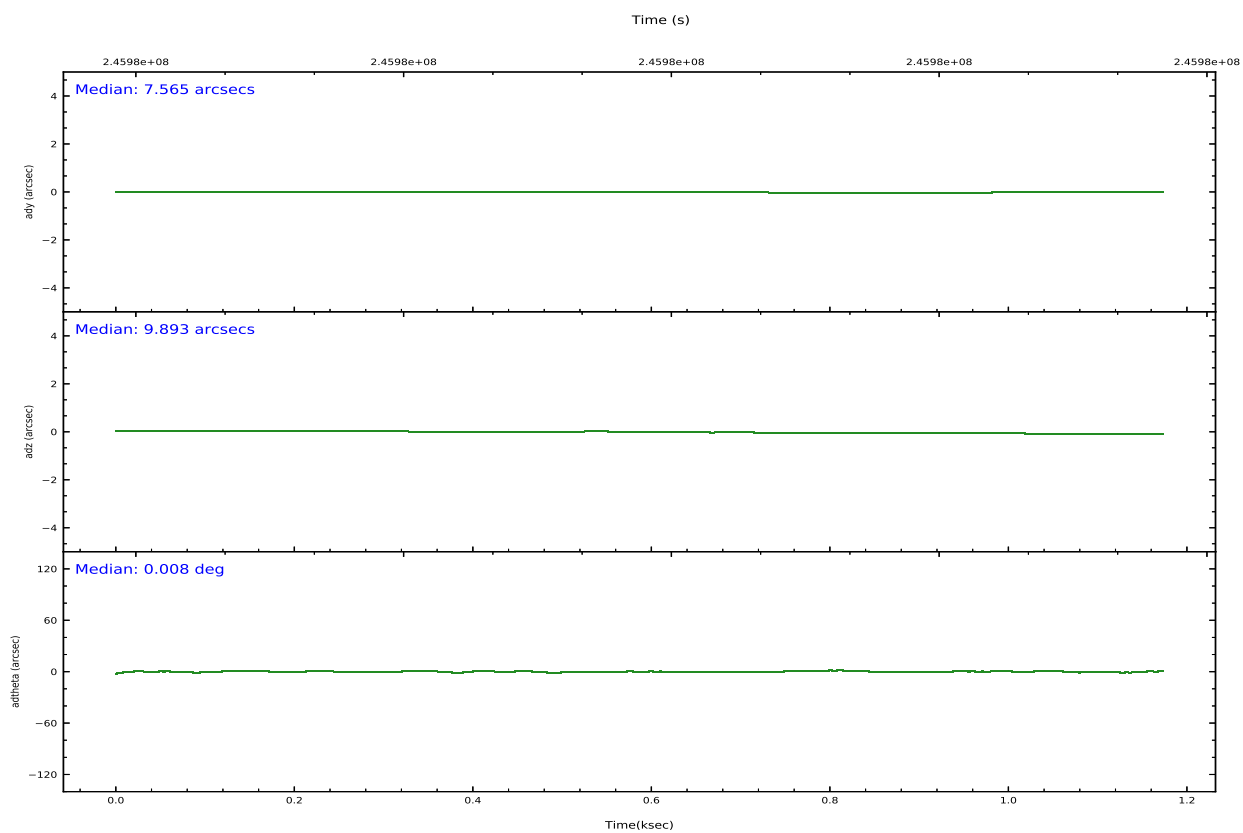
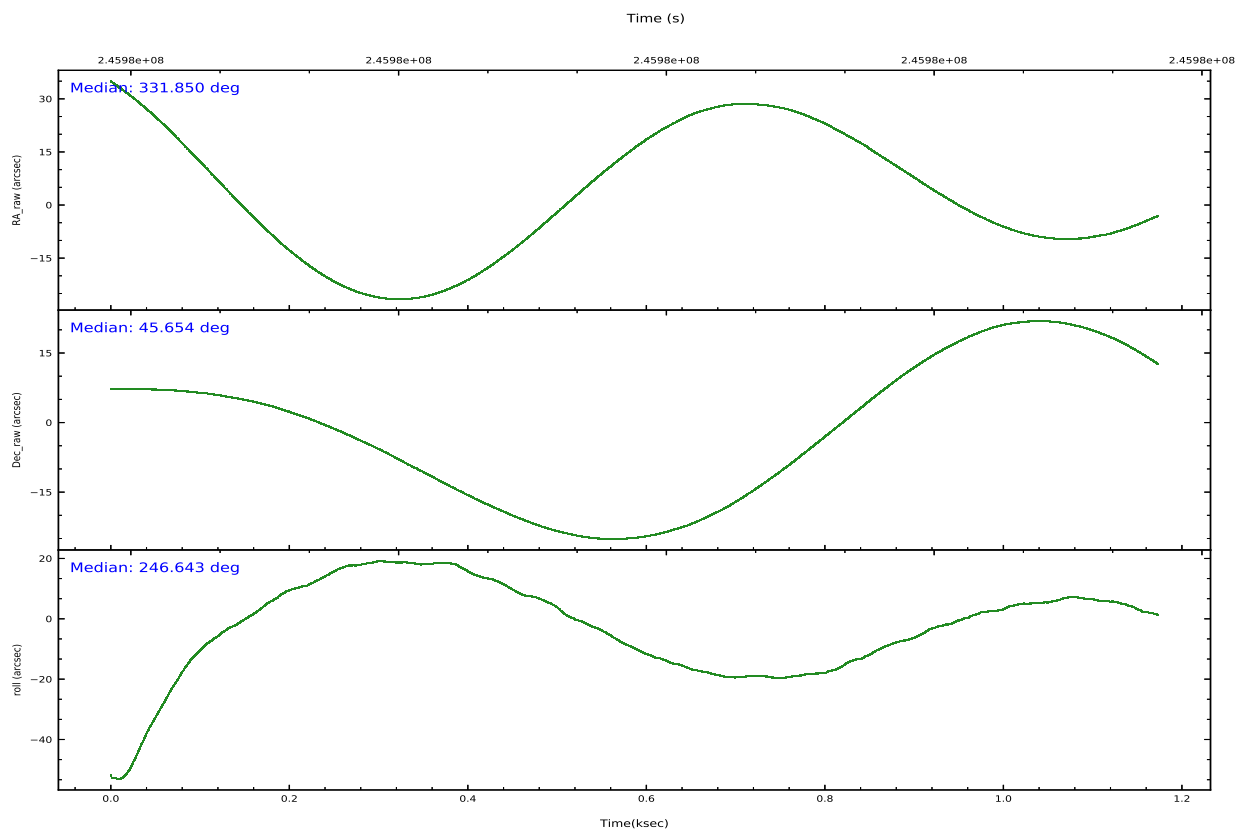
2.2 Compared Parameters

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	331.846619	331.84861967684
[deg] Pointing Dec	45.679359	45.656318589799
[deg] Pointing Roll	246.751895	246.64261991609
[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)	245977151.184000	245976776.01642
Observation start date	2005-10-17T22:58:07	2005-10-17T22:52:56
[s] Observation end time (MET)	245978151.184000	245979324.16654
Observation end date	2005-10-17T23:14:47	2005-10-17T23:35:24

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

2.3 Aspect



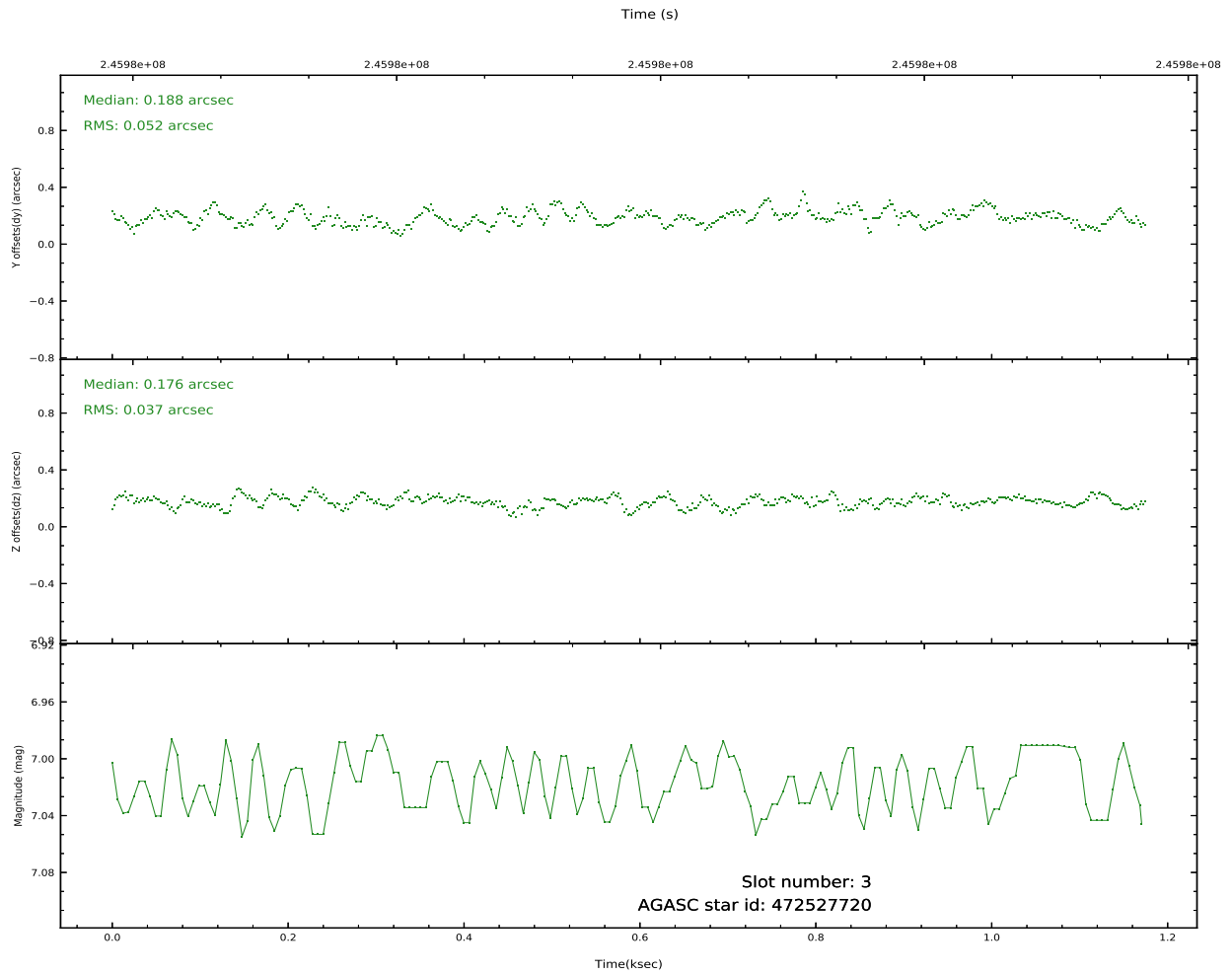
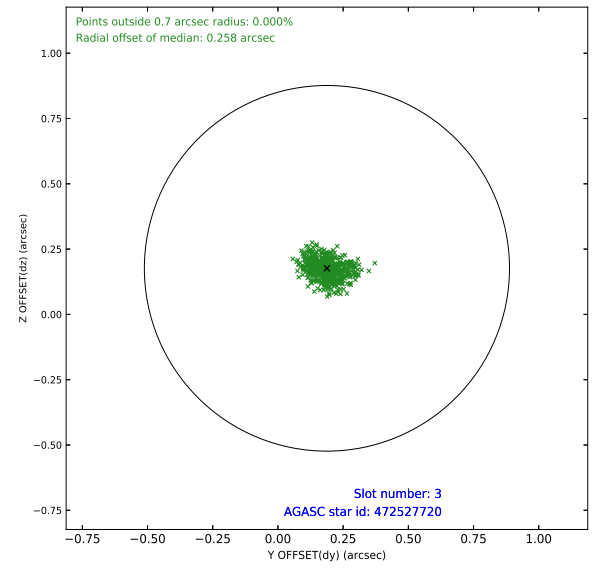
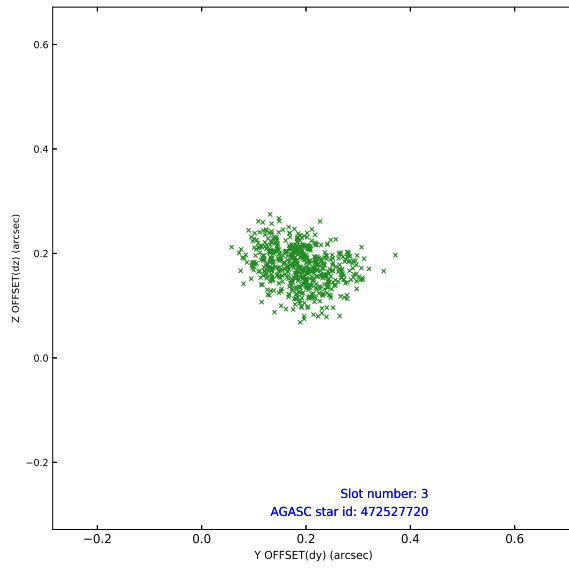


Slot Statistics

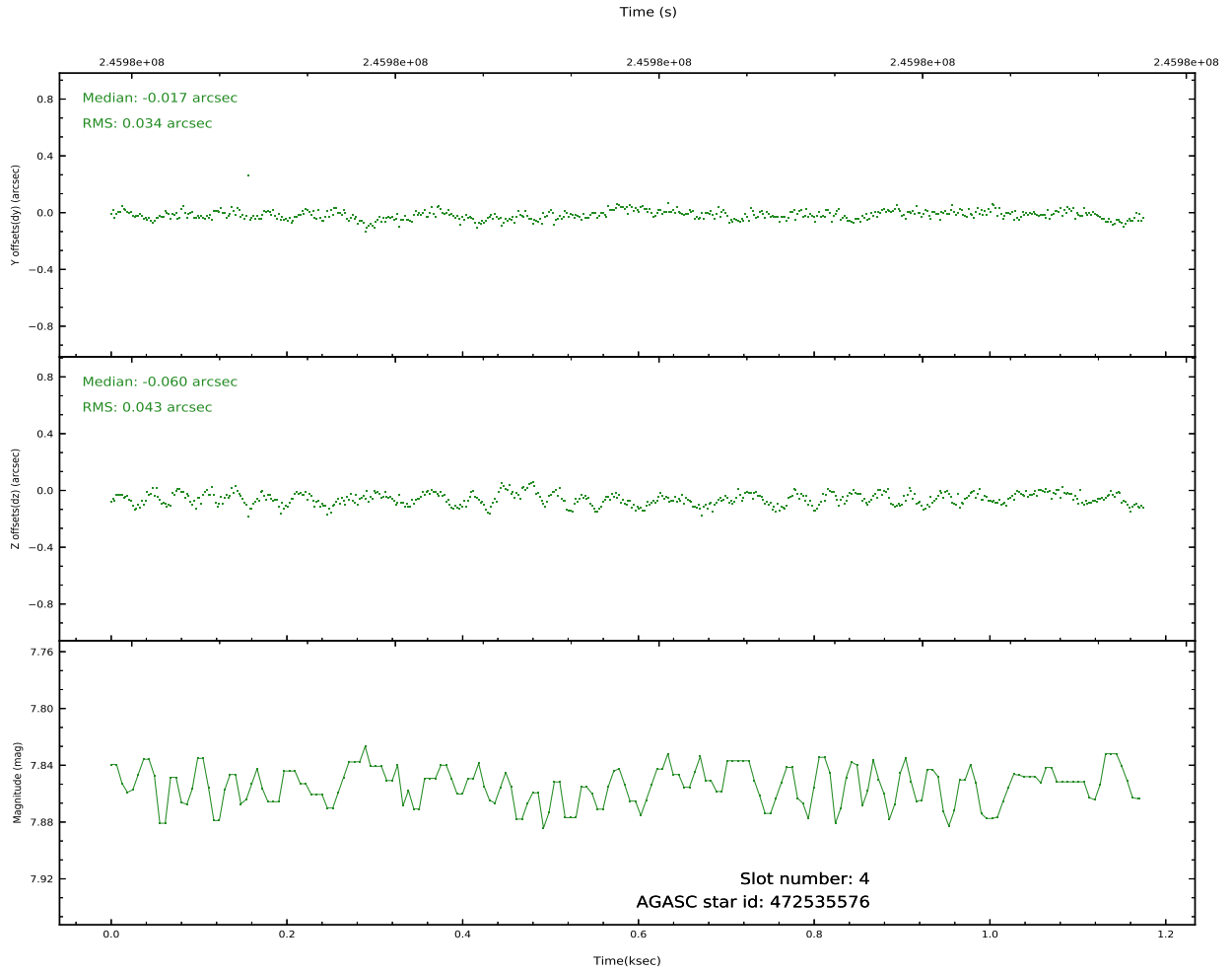
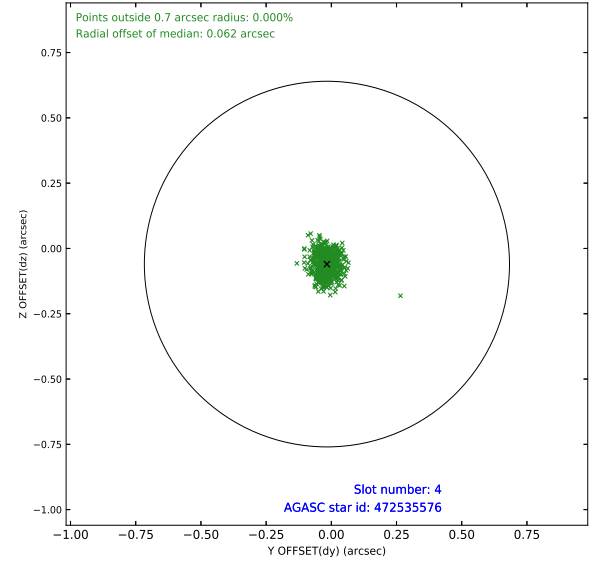
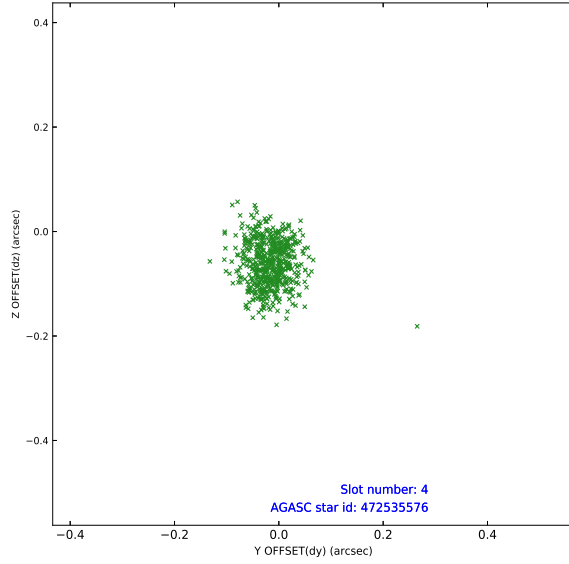
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.02	287	1.000	-0.048	0.006	0.008	0.012	0.000000	0.000000	-763.18	-1297
1	FID		HRC-I-2	7.05	287	1.000	0.161	-0.078	0.006	0.010	0.000000	0.000000	847.00	-1303
2	FID		HRC-I-3	7.11	287	1.000	0.005	-0.018	0.007	0.011	0.000000	0.000000	-1188.70	1002
3	GUIDE	used	472527720	7.02	574	1.000	0.188	0.176	0.069	0.108	331.460205	45.112509	2261.97	-94
4	GUIDE	used	472535576	7.85	574	1.000	-0.017	-0.060	0.058	0.090	331.438373	46.291802	-1621.86	-1801
5	GUIDE	used	472536328	8.11	574	1.000	-0.078	-0.065	0.059	0.099	331.496671	46.454831	-2225.55	-1900
6	GUIDE	used	472655152	9.43	574	1.000	0.110	0.041	0.097	0.158	332.504239	45.862991	-1266.65	1250
7	GUIDE	used	472537064	8.93	573	1.000	-0.206	-0.092	0.078	0.132	331.323423	46.483499	-2152.74	-2331

2.4 Star Slots

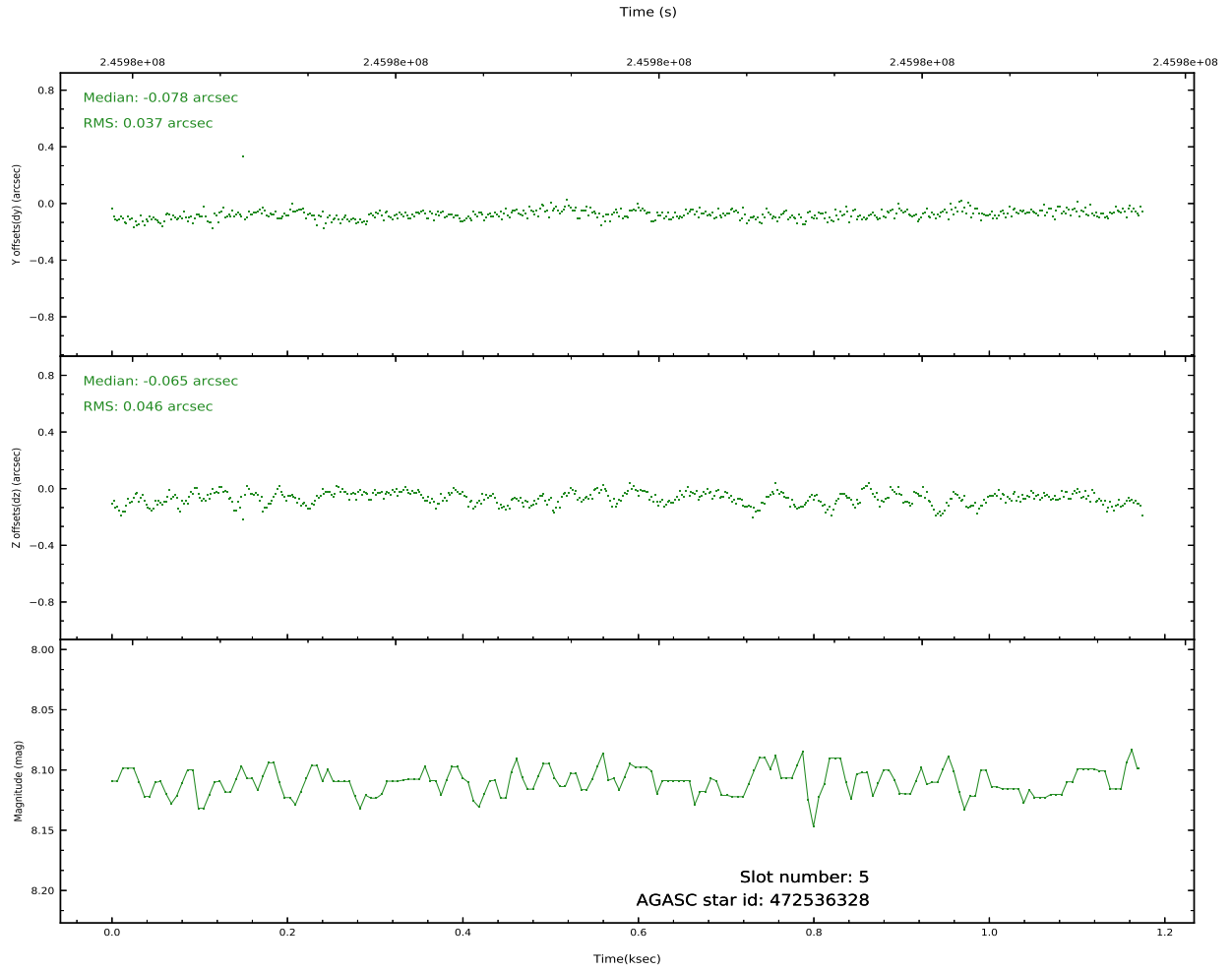
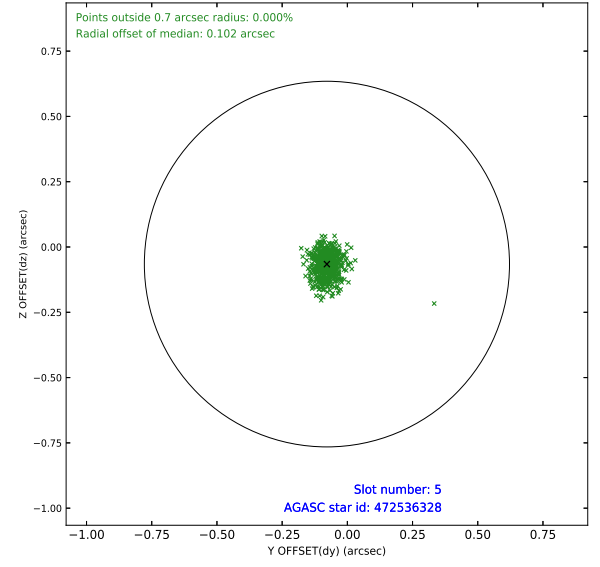
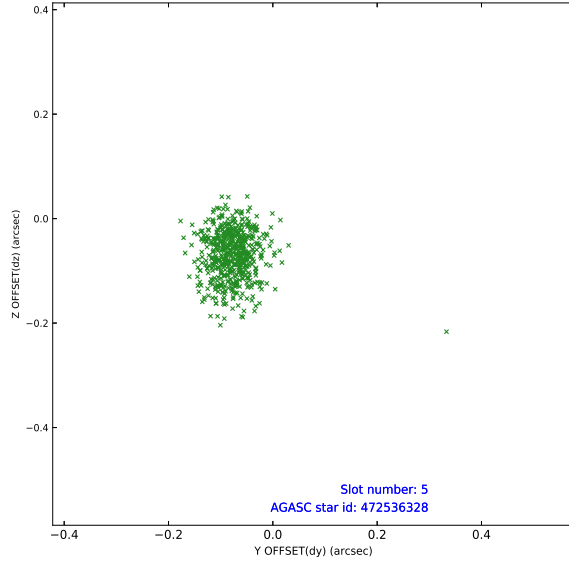
2.4.1 Slot 3



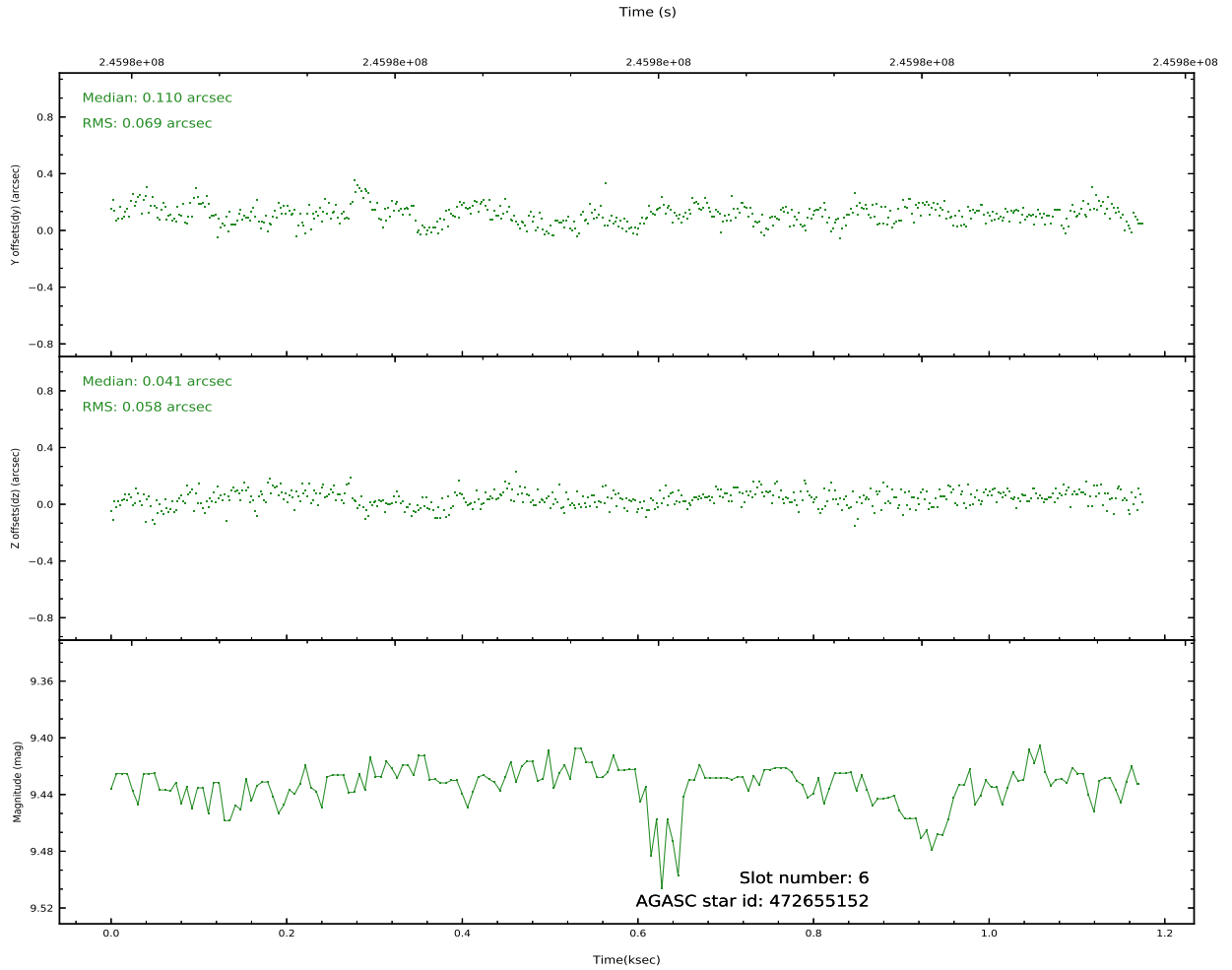
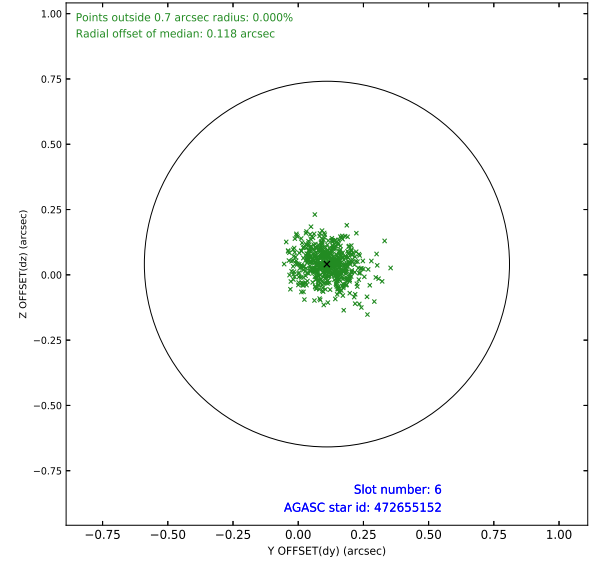
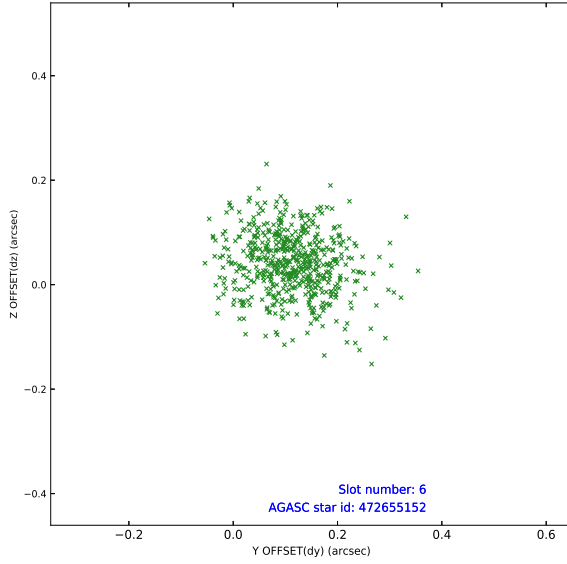
2.4.2 Slot 4



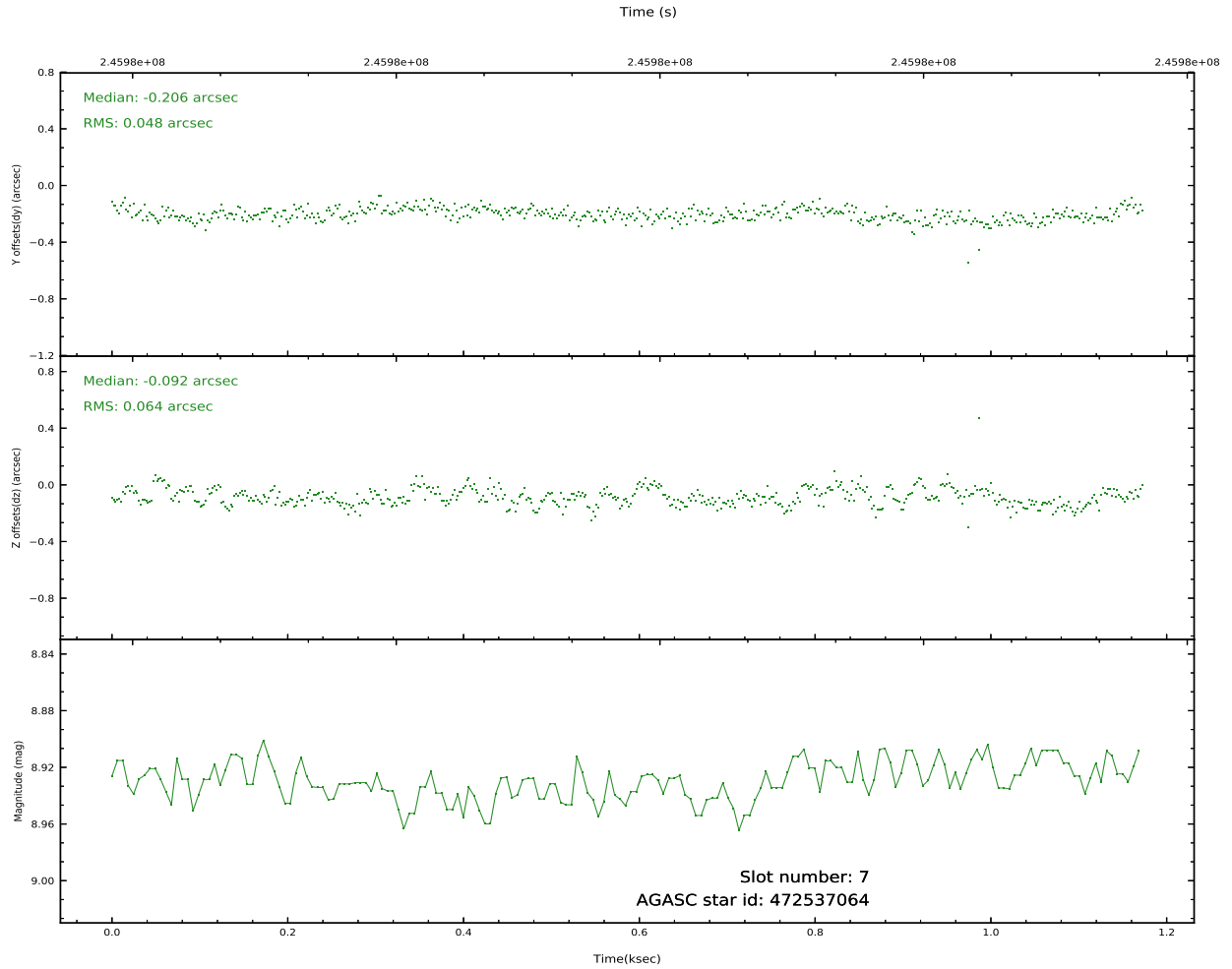
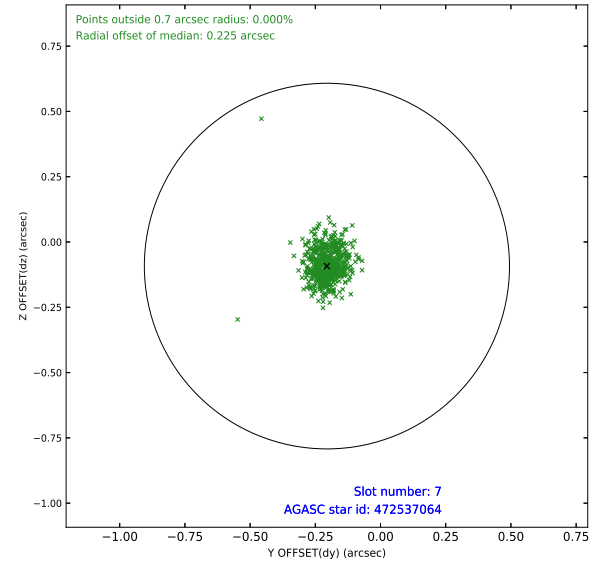
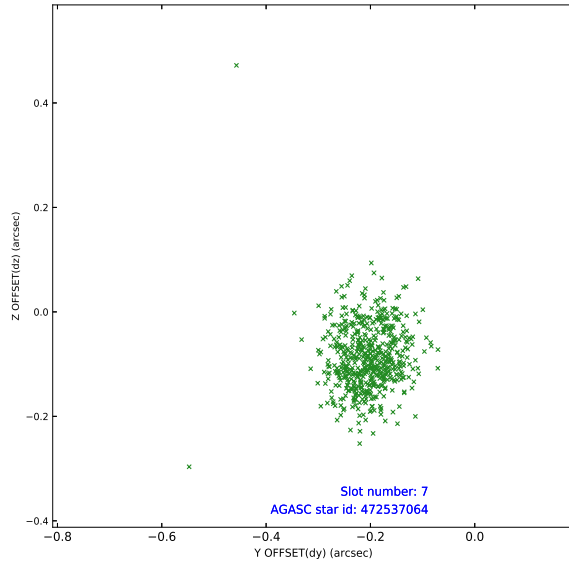
2.4.3 Slot 5



2.4.4 Slot 6

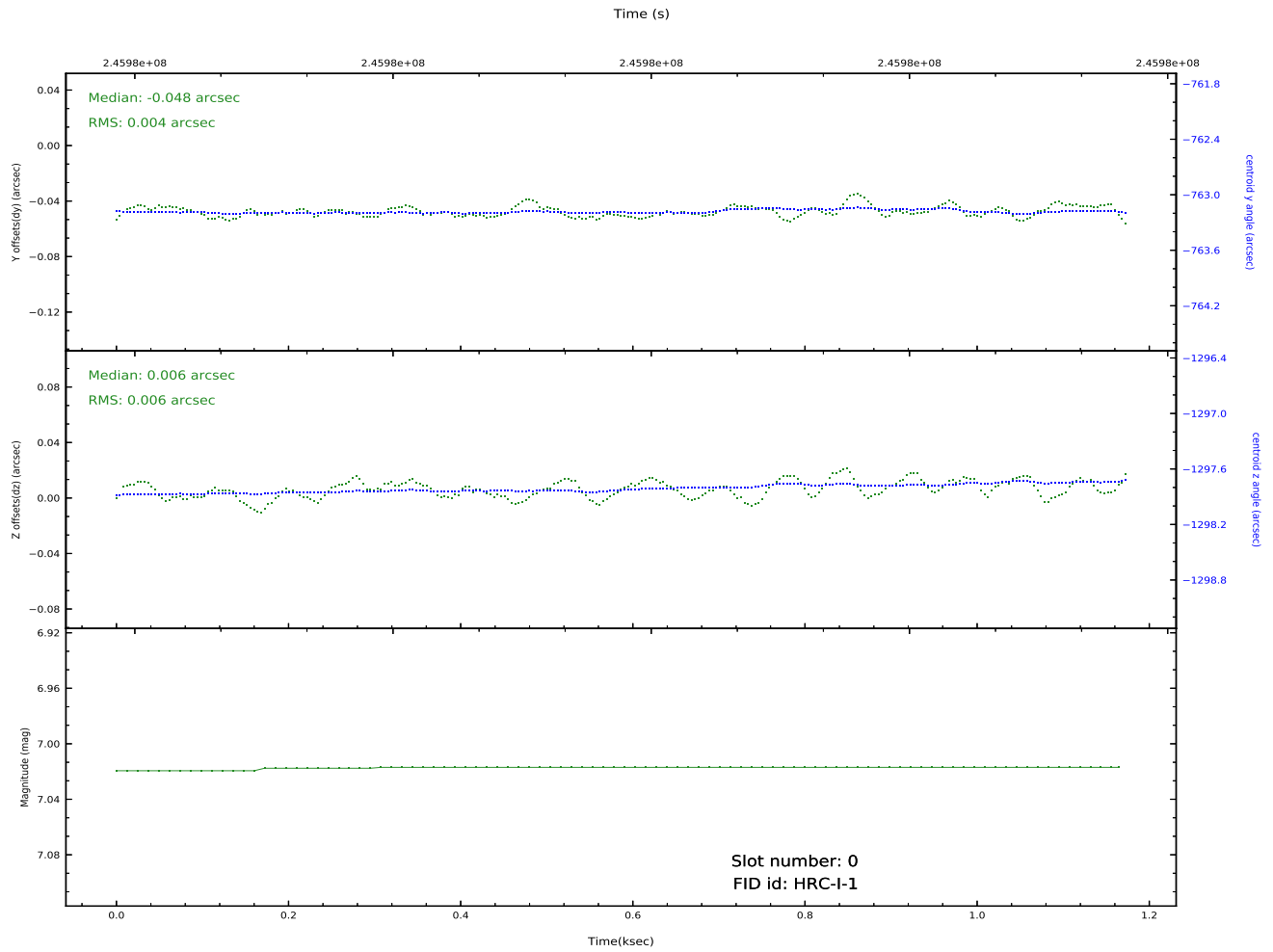
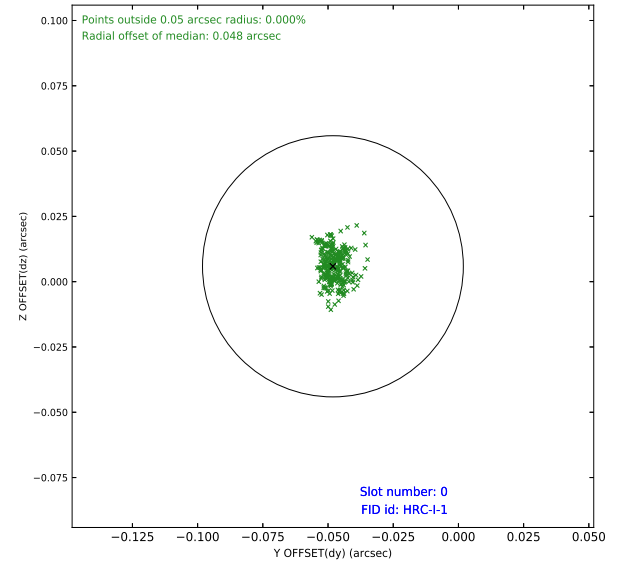
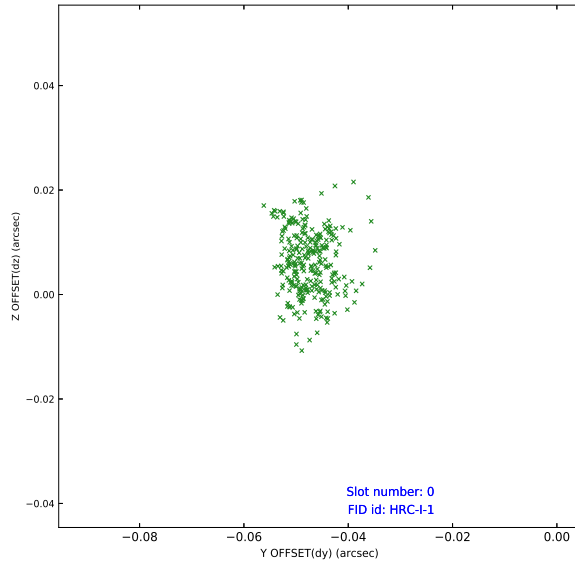


2.4.5 Slot 7

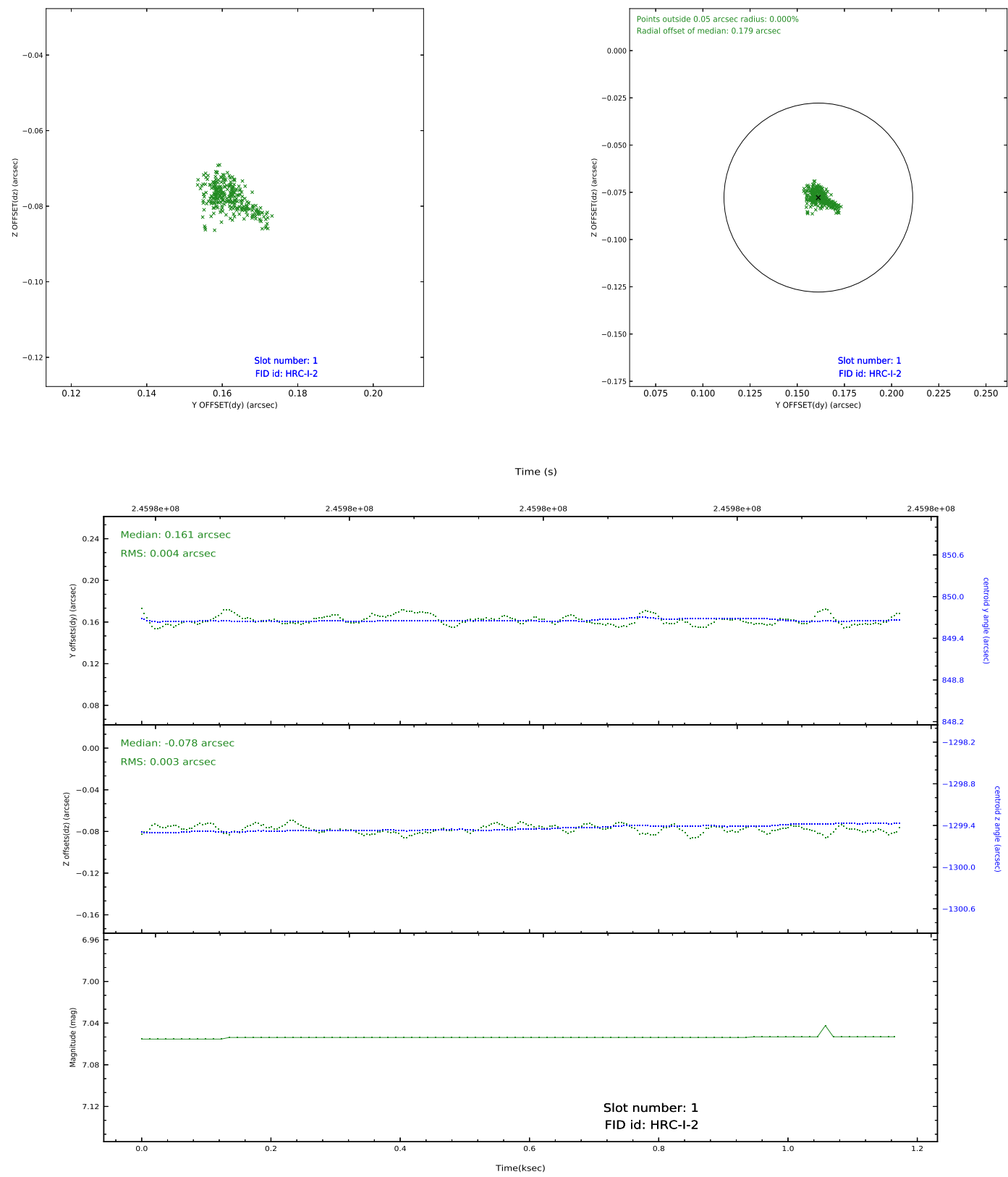


2.5 FID Slots

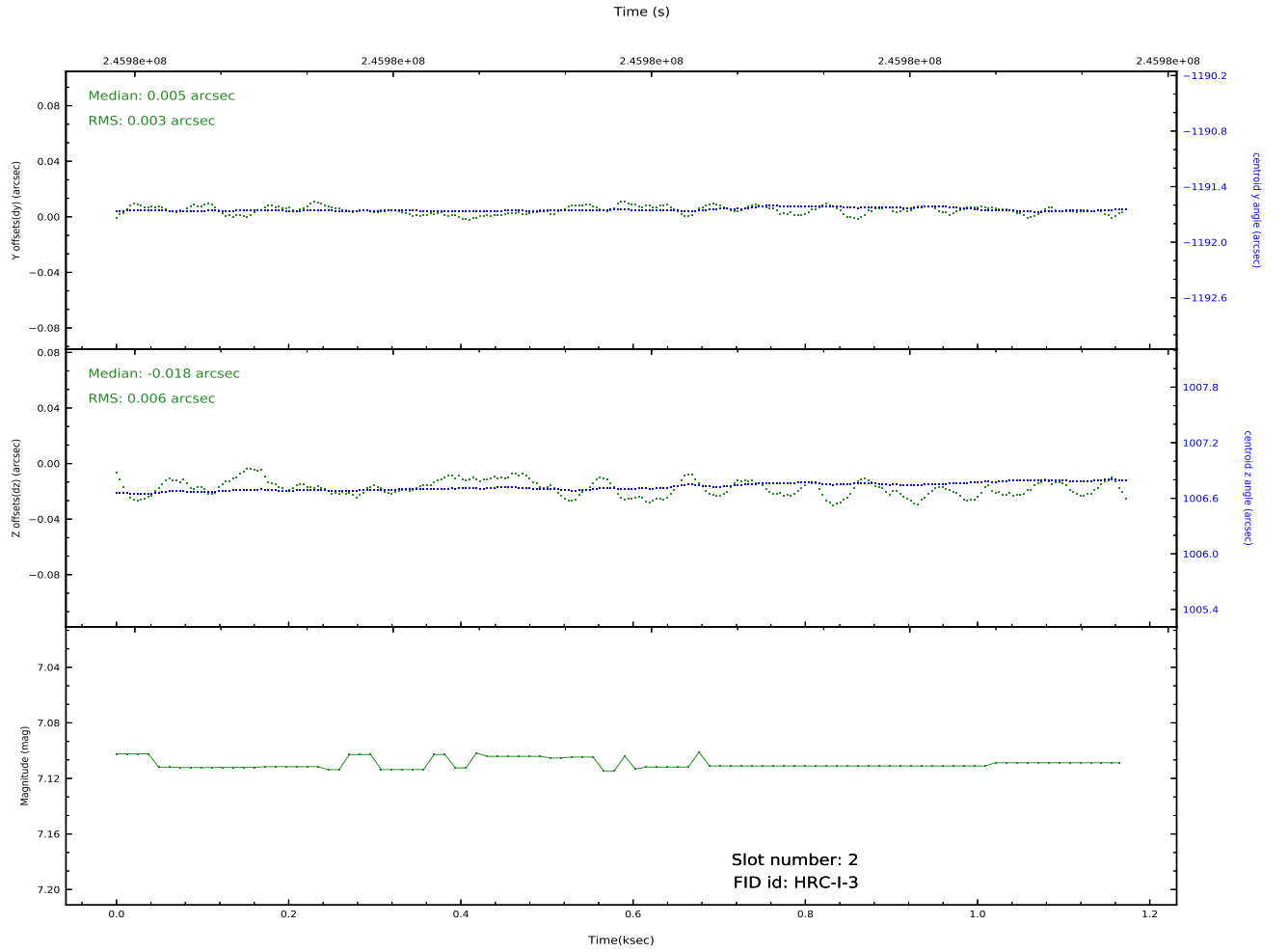
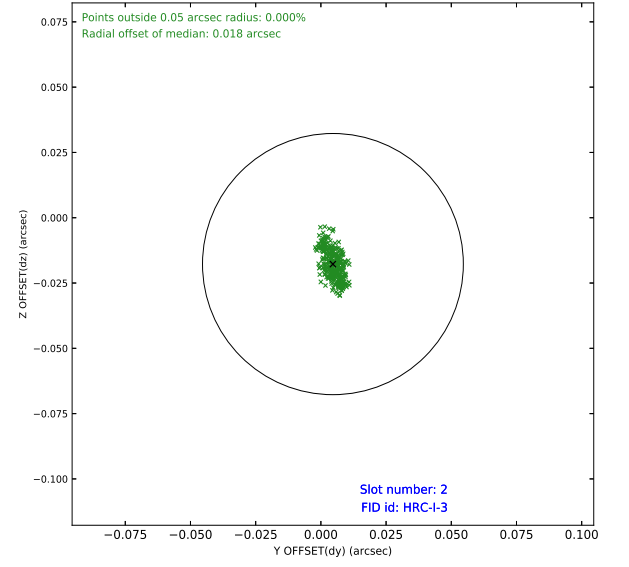
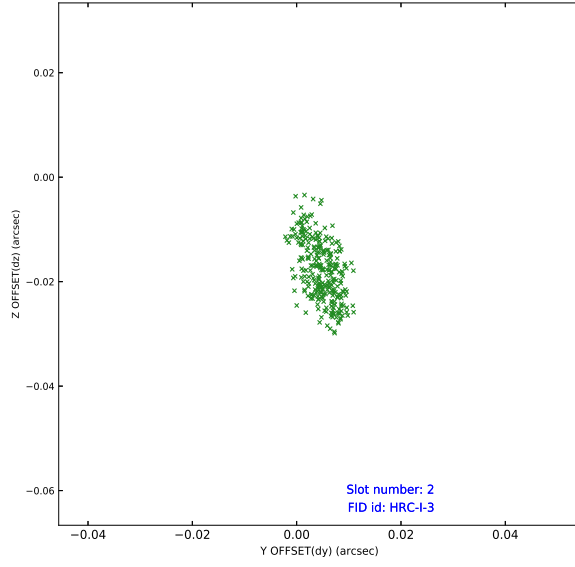
2.5.1 Slot 0



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)	2020.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.173625

A.2 Comments