

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5991 - L2 Version 5
Chandra X-Ray Center

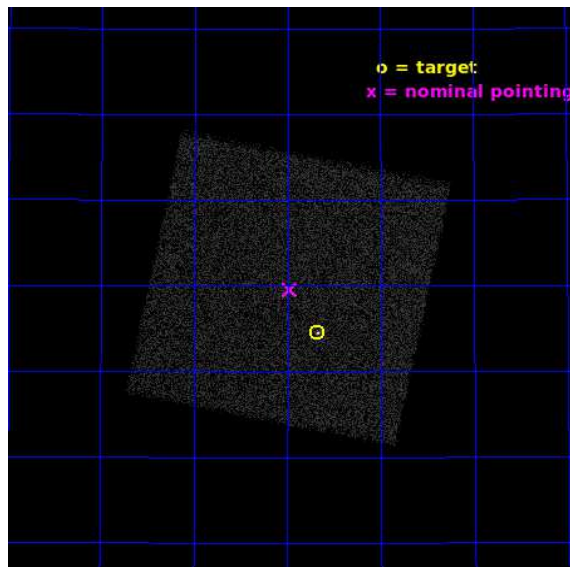
L2 Processing Date : Oct 10 2020

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

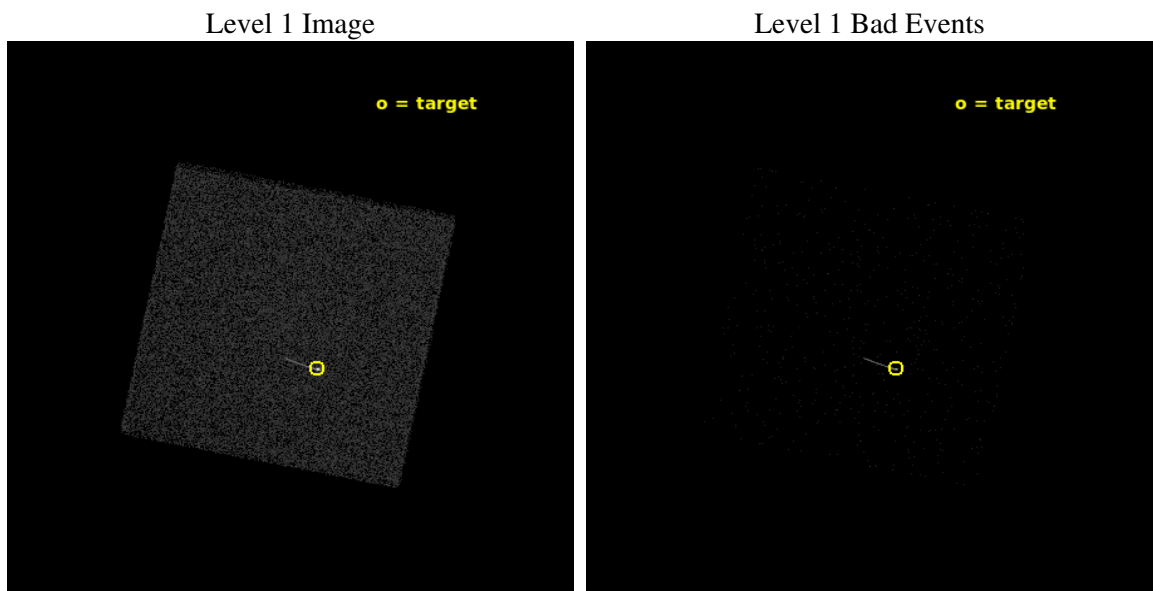
seq_num	290483	Sequence number
obs_id	5991	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24330198497	Nominal RA [deg]
dec_nom	45.826146439262	Nominal Dec [deg]
roll_nom	236.55305362711	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1177.9813042283	[s]
livetime	1169.4181394592	Ontime multiplied by DTCOR
l2events	50238	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	1177.9813042283	[s]
caldsver	4.9.2	 	l1events	92740	Number of level 1 events
date	2020-10-11T00:54:09	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

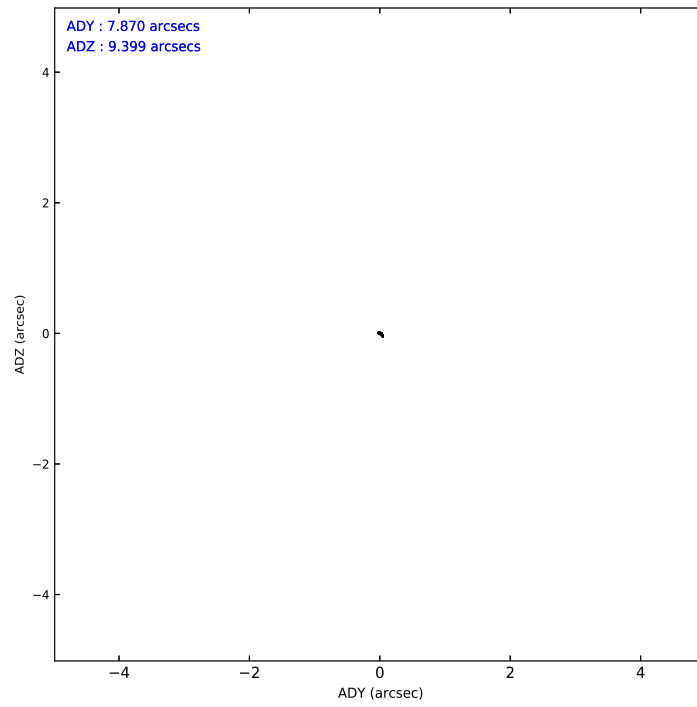
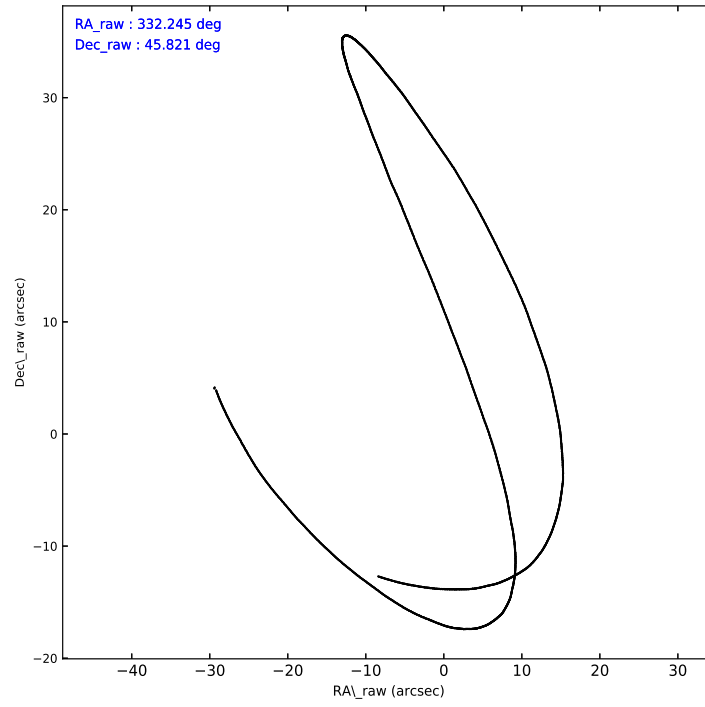
	segment 0
level 1 events	92740
rejected events	20843
rejected %	22%

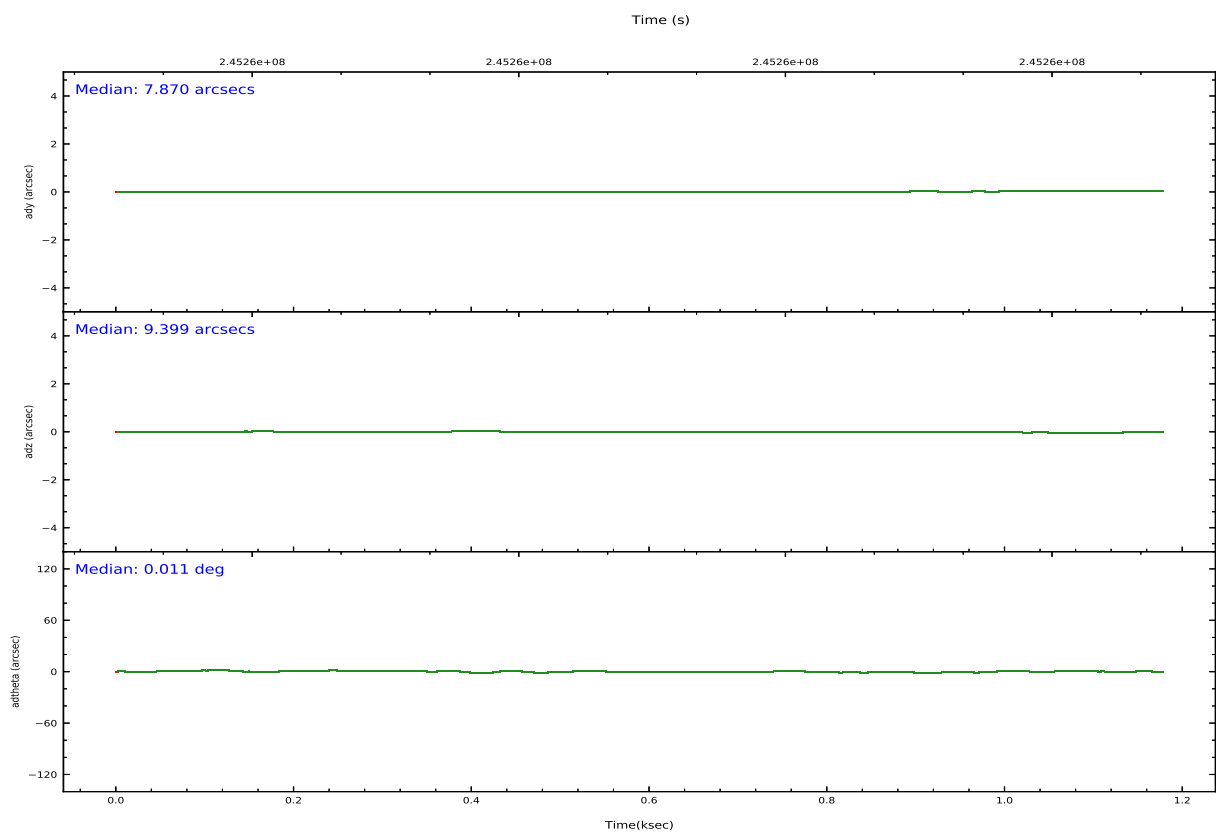
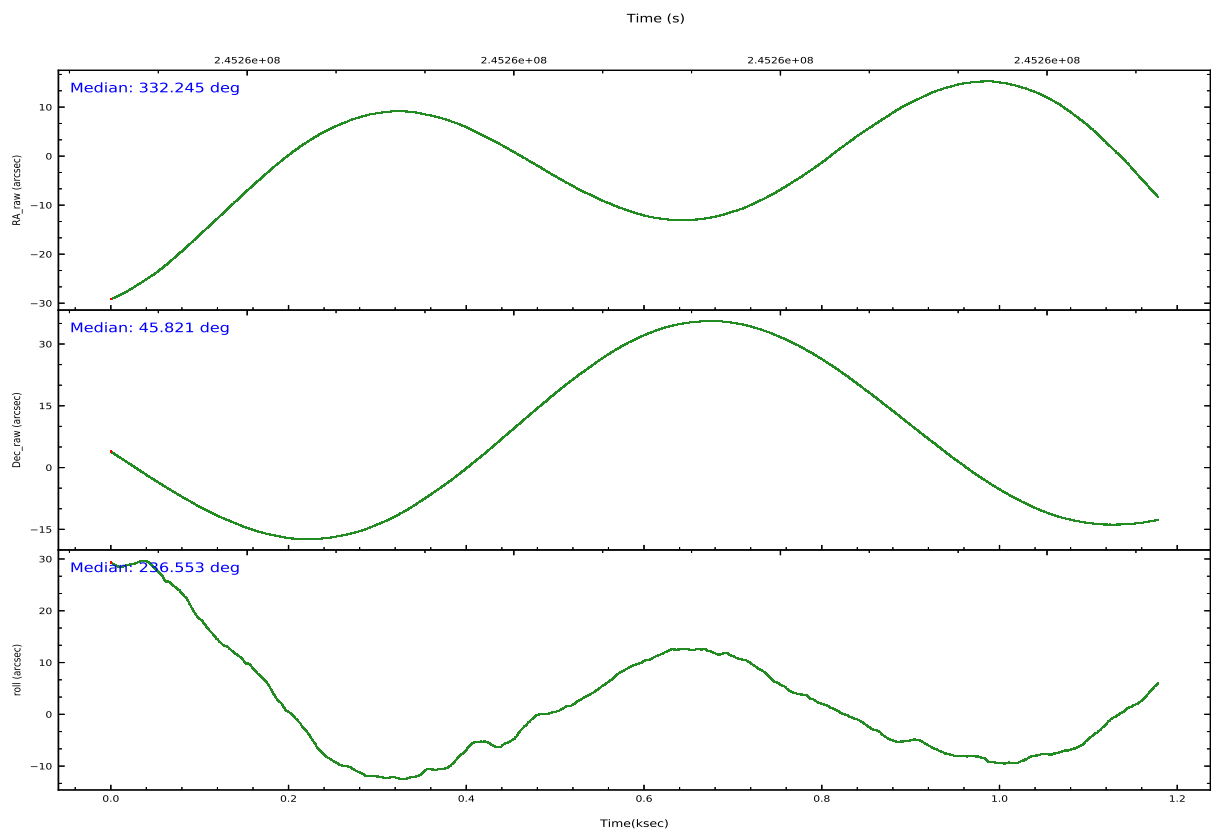
2.2 Compared Parameters

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	332.245210	332.24330198497
[deg] Pointing Dec	45.850639	45.826146439262
[deg] Pointing Roll	236.663410	236.55305362711
[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)	245260026.184000	245259650.1084
Observation start date	2005-10-09T15:46:02	2005-10-09T15:40:50
[s] Observation end time (MET)	245261026.184000	245261159.93347
Observation end date	2005-10-09T16:02:42	2005-10-09T16:05:59

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

2.3 Aspect



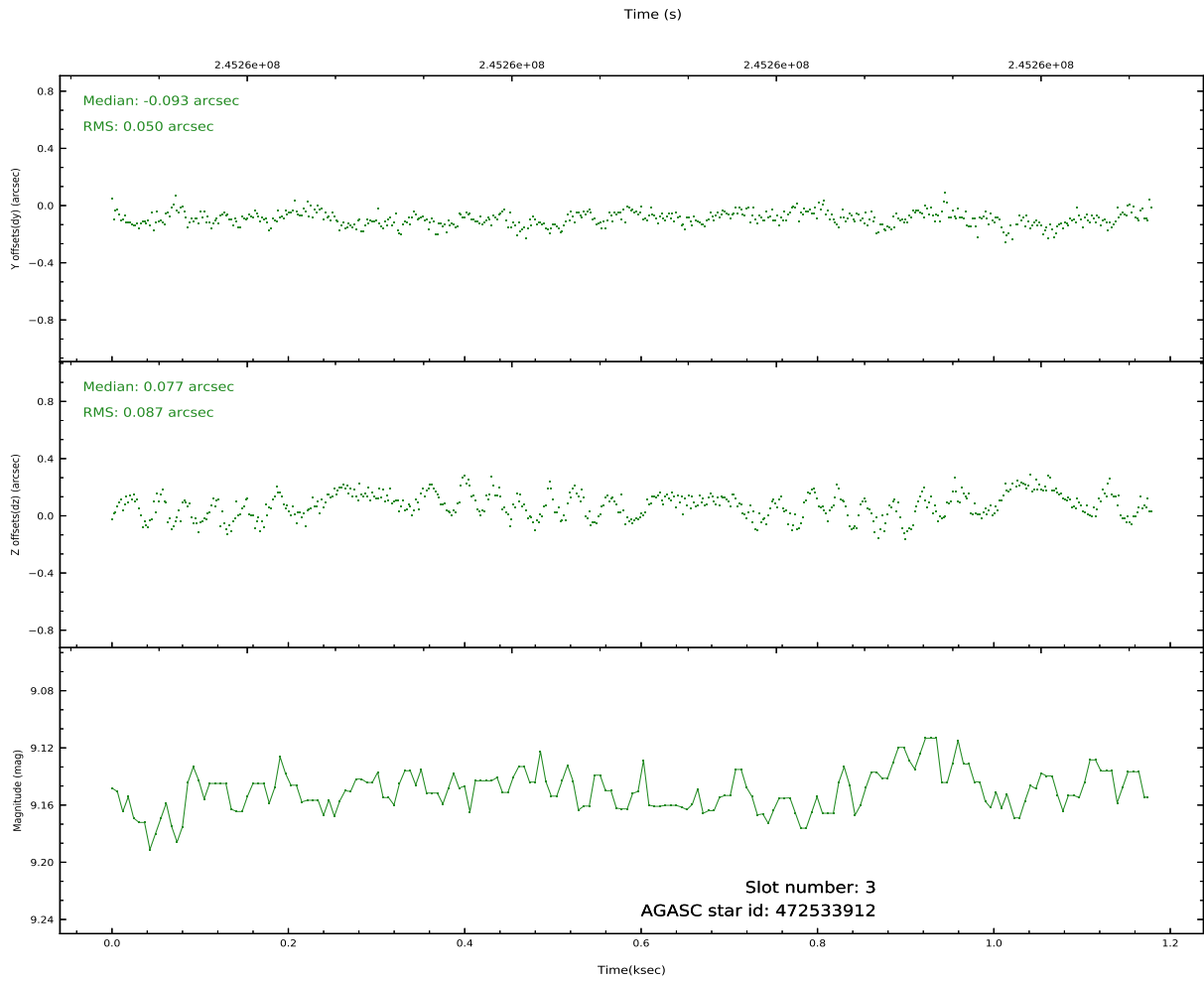
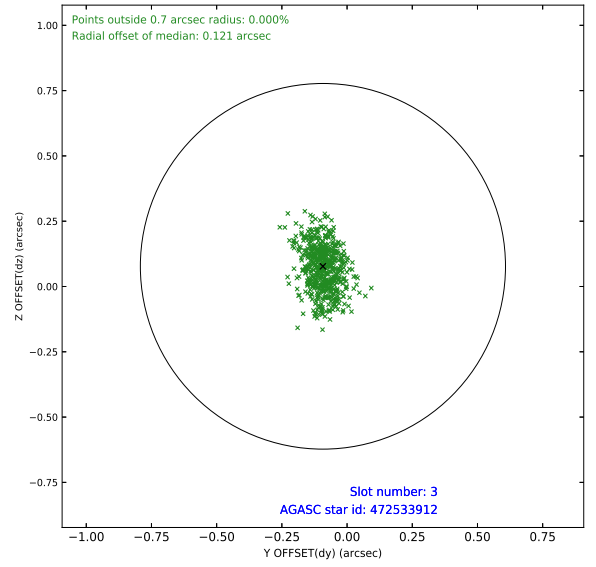
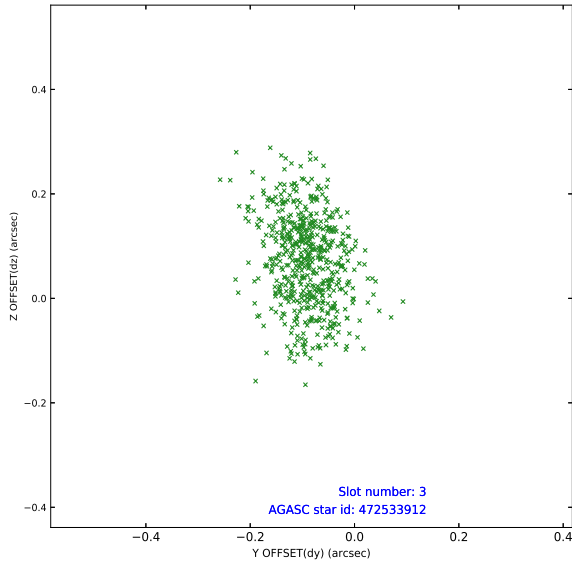


Slot Statistics

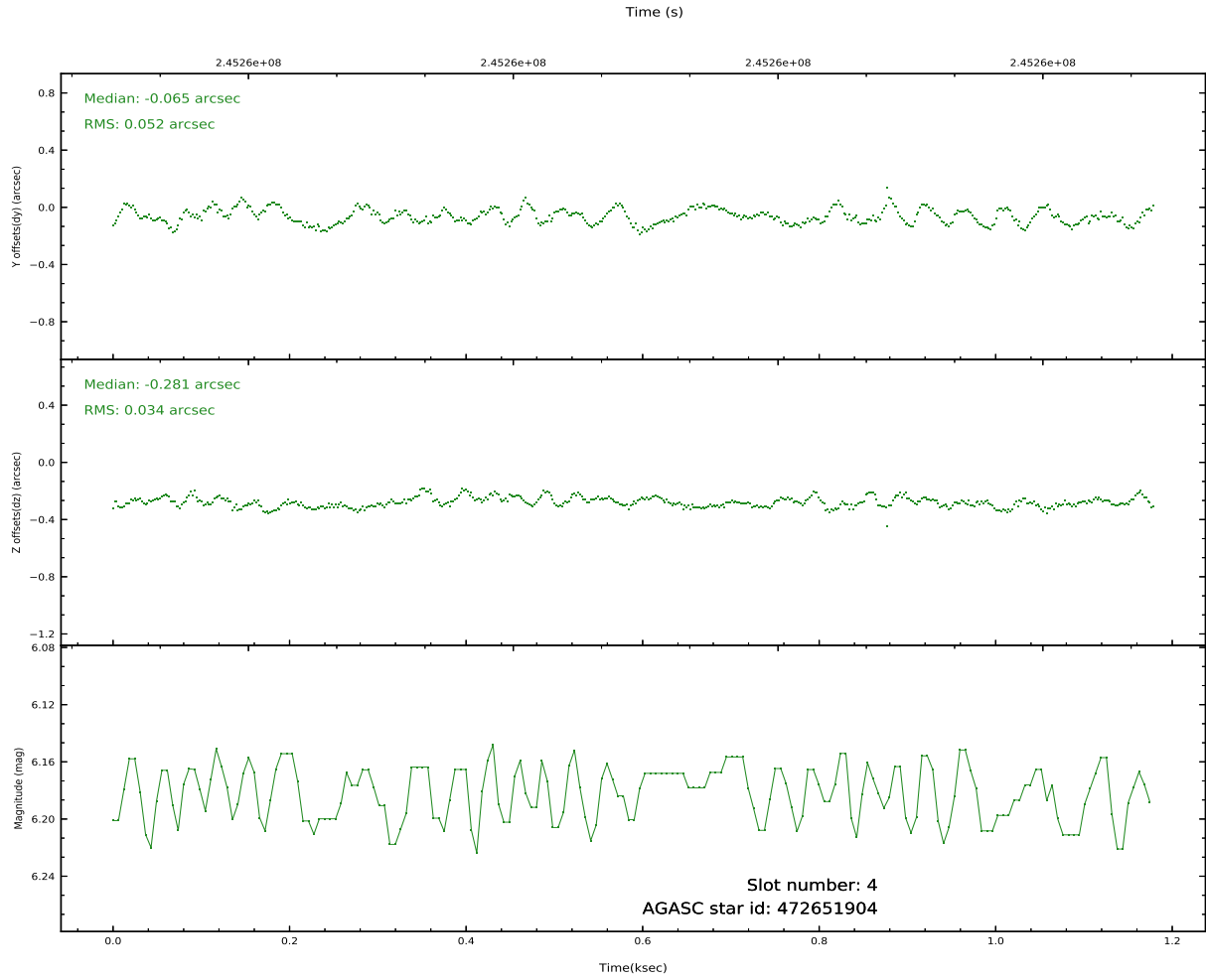
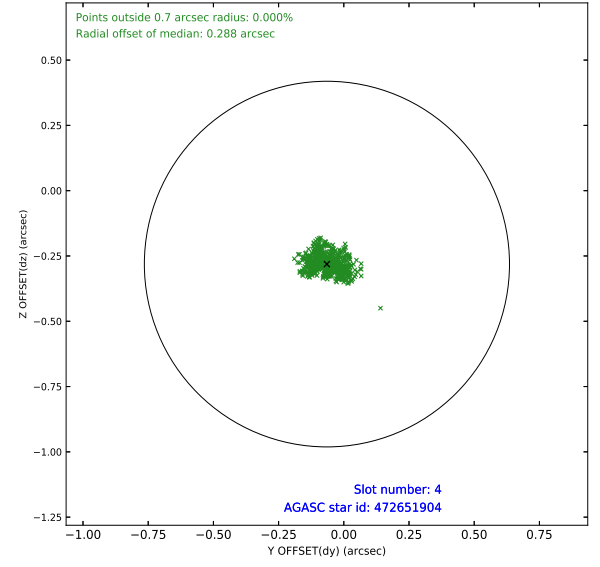
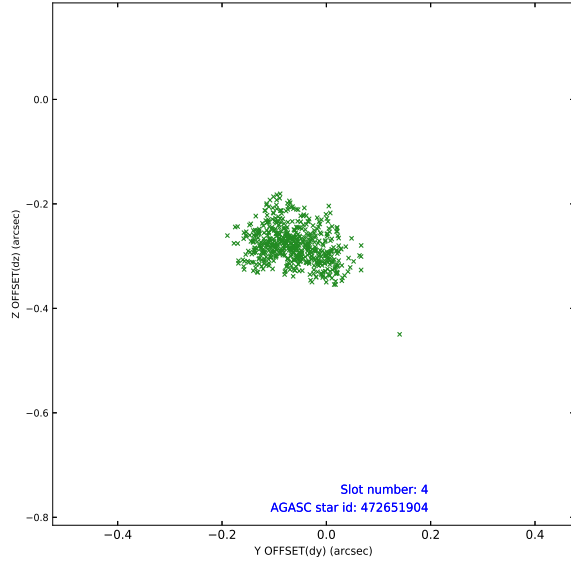
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	6.98	288	1.000	-0.079	-0.055	0.006	0.011	0.000000	0.000000	-763.63	-1297
1	FID		HRC-I-2	7.02	288	1.000	0.129	-0.077	0.007	0.011	0.000000	0.000000	846.56	-1303
2	FID		HRC-I-4	7.01	288	1.000	0.066	0.039	0.005	0.010	0.000000	0.000000	1282.36	1000
3	GUIDE	used	472533912	9.15	575	1.000	-0.093	0.077	0.108	0.180	331.791136	46.368695	-941.85	-1972
4	GUIDE	used	472651904	6.18	576	1.000	-0.065	-0.281	0.070	0.102	332.170077	45.742257	426.94	49
5	GUIDE	used	472655152	9.43	576	1.000	0.121	0.046	0.092	0.144	332.504239	45.862991	-394.97	514
6	GUIDE	used	472665256	9.02	576	1.000	0.009	-0.026	0.074	0.118	332.808125	46.195041	-1812.50	485
7	GUIDE	used	472523760	8.26	575	1.000	0.023	0.182	0.062	0.098	331.645363	45.403260	2170.10	-387

2.4 Star Slots

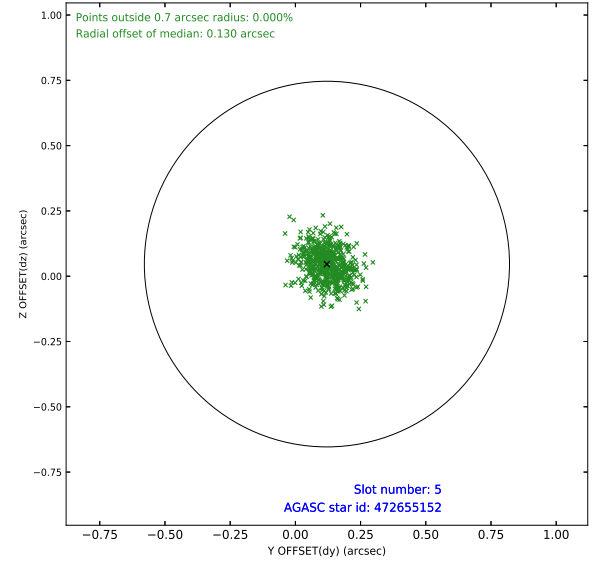
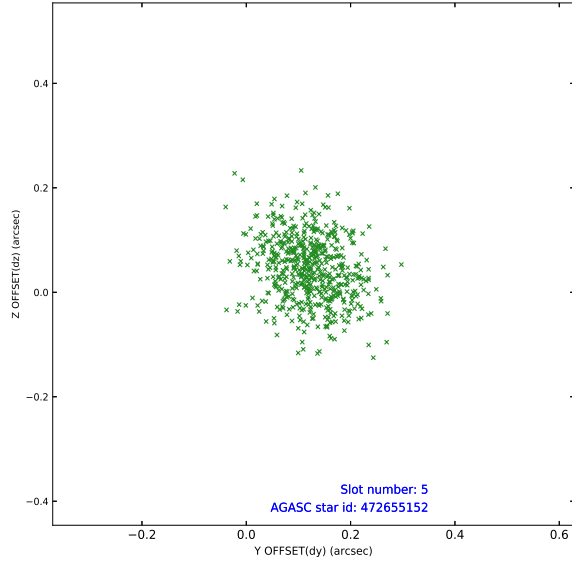
2.4.1 Slot 3



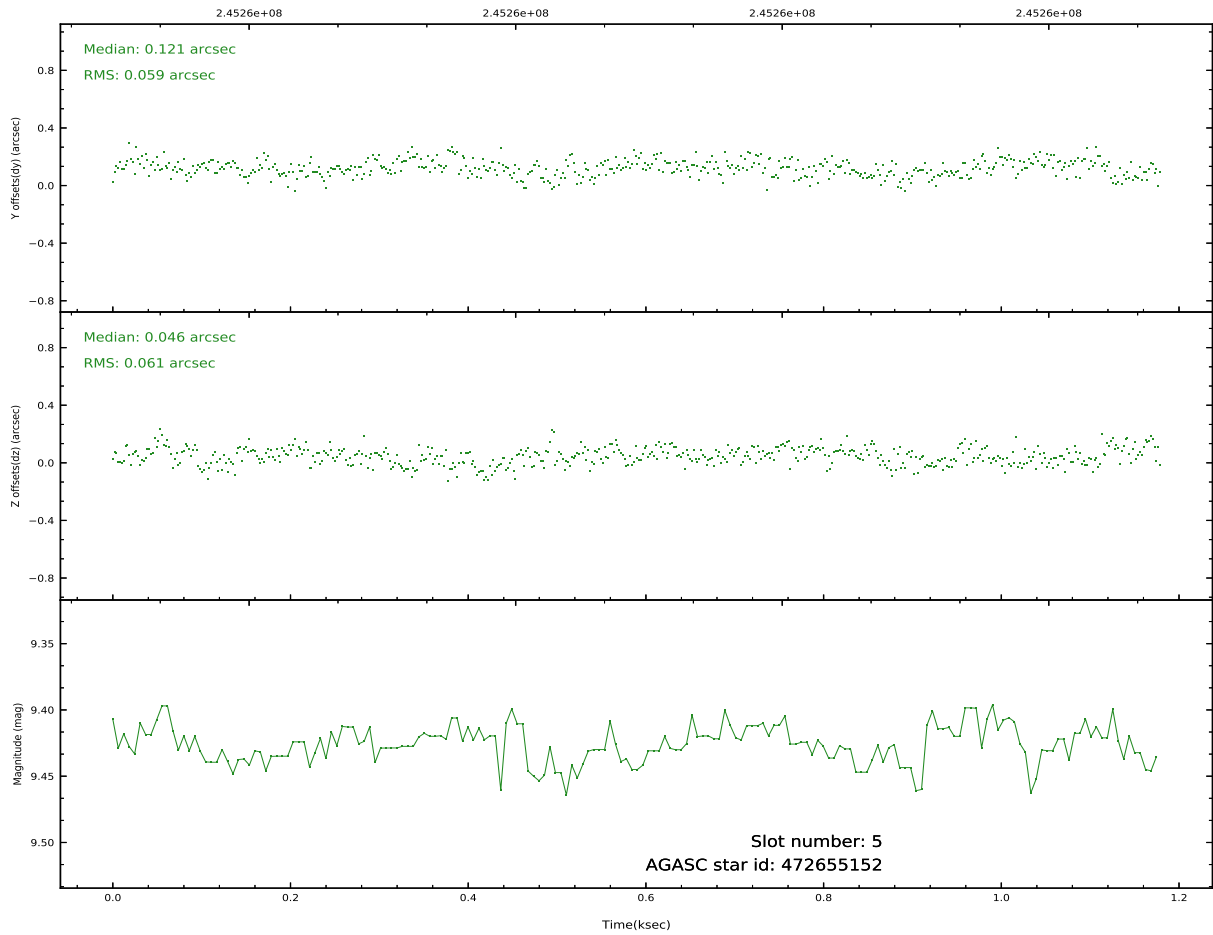
2.4.2 Slot 4



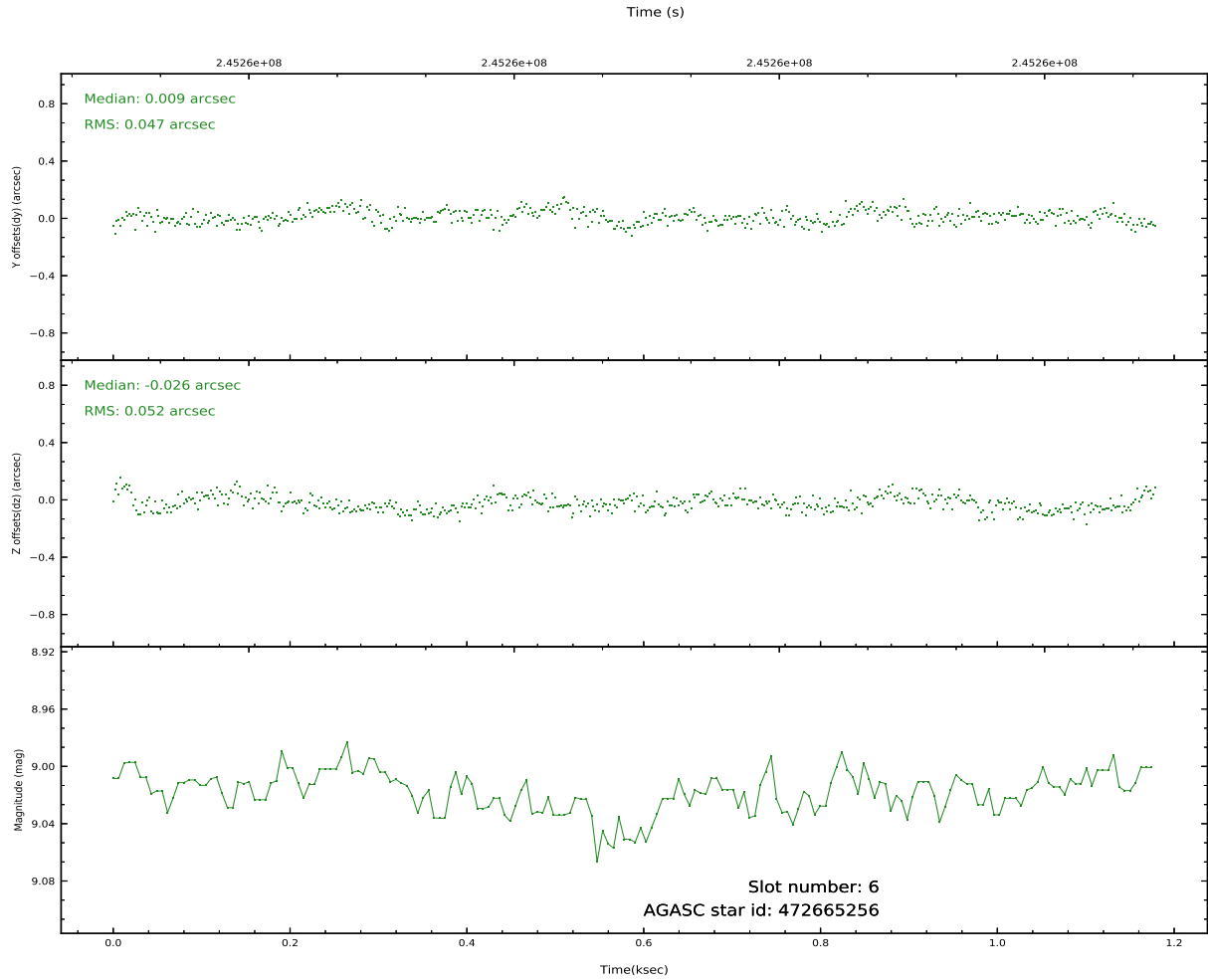
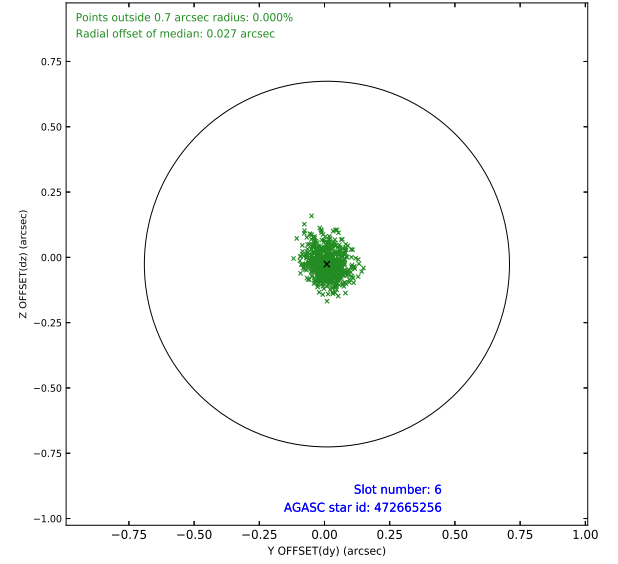
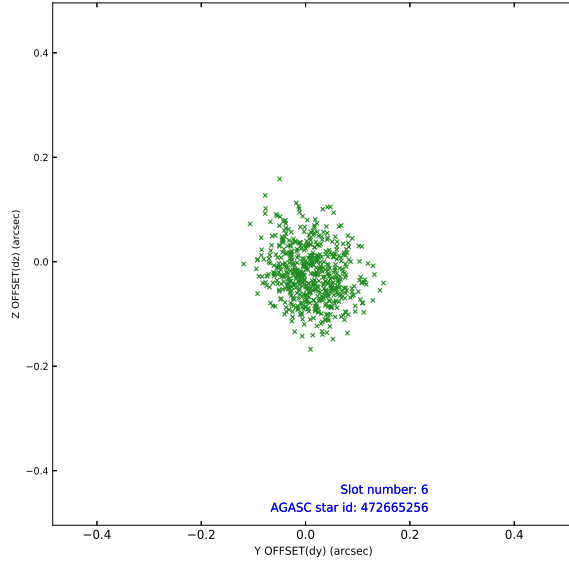
2.4.3 Slot 5



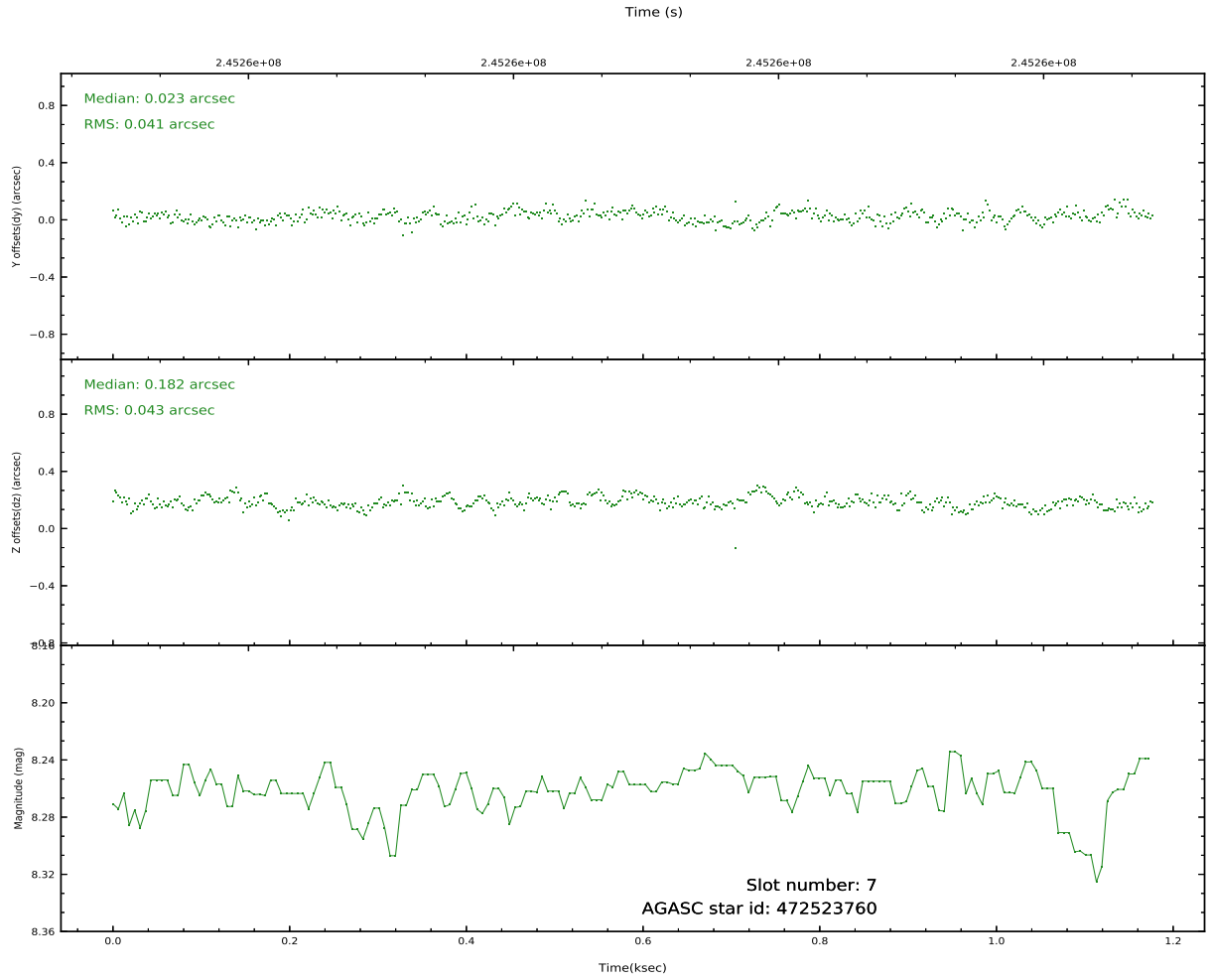
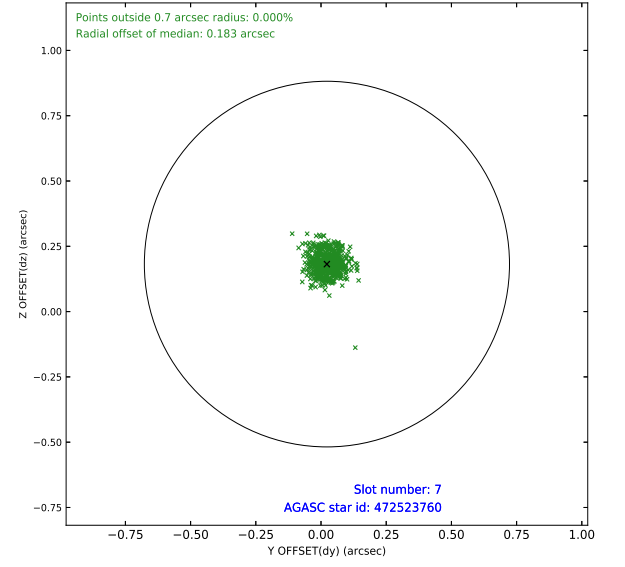
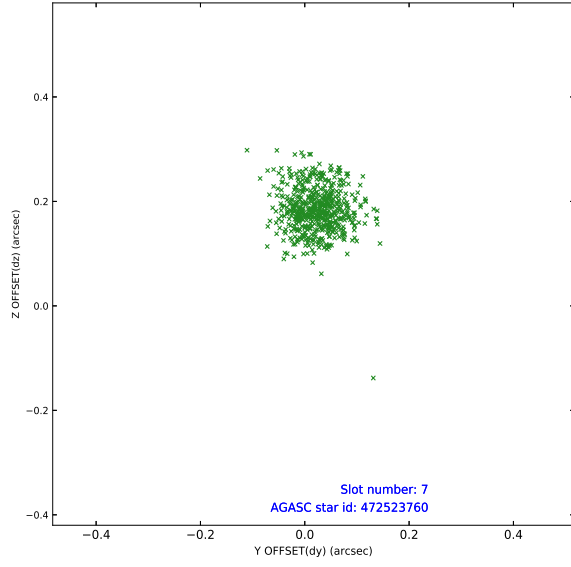
Time (s)



2.4.4 Slot 6

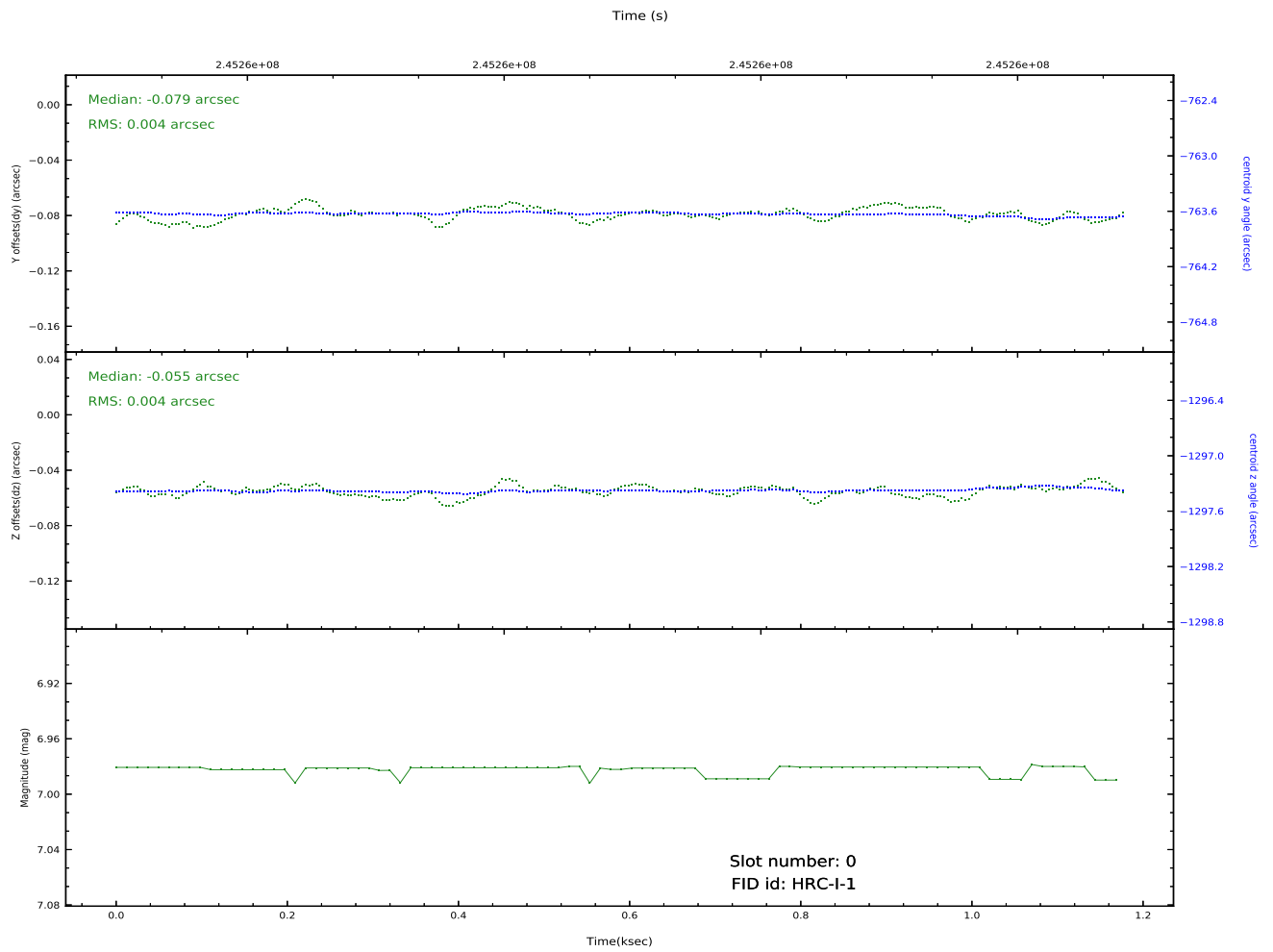
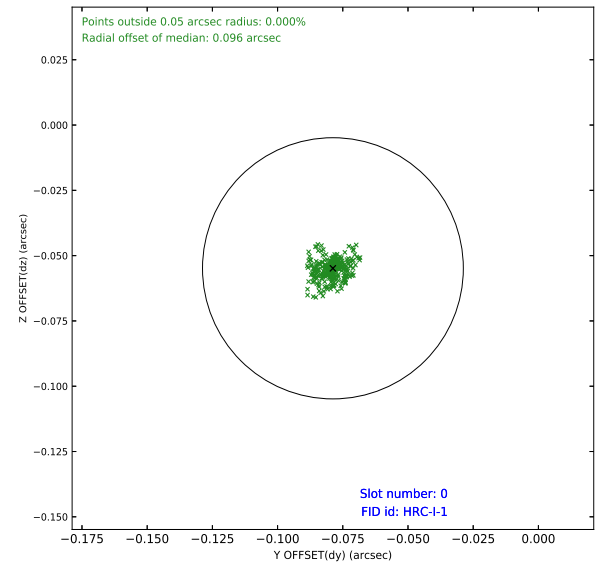
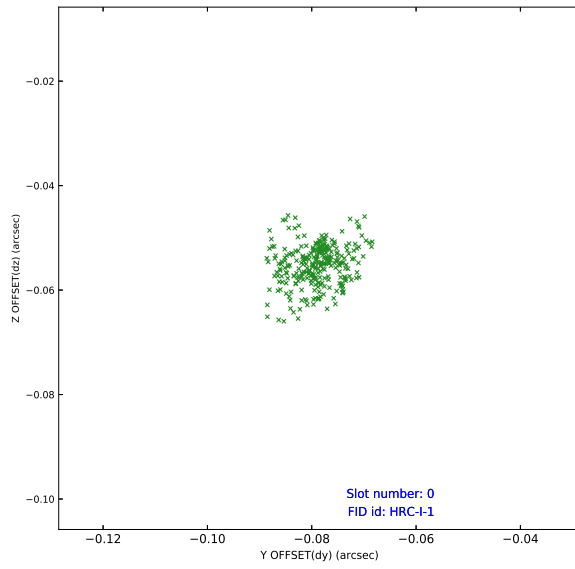


2.4.5 Slot 7

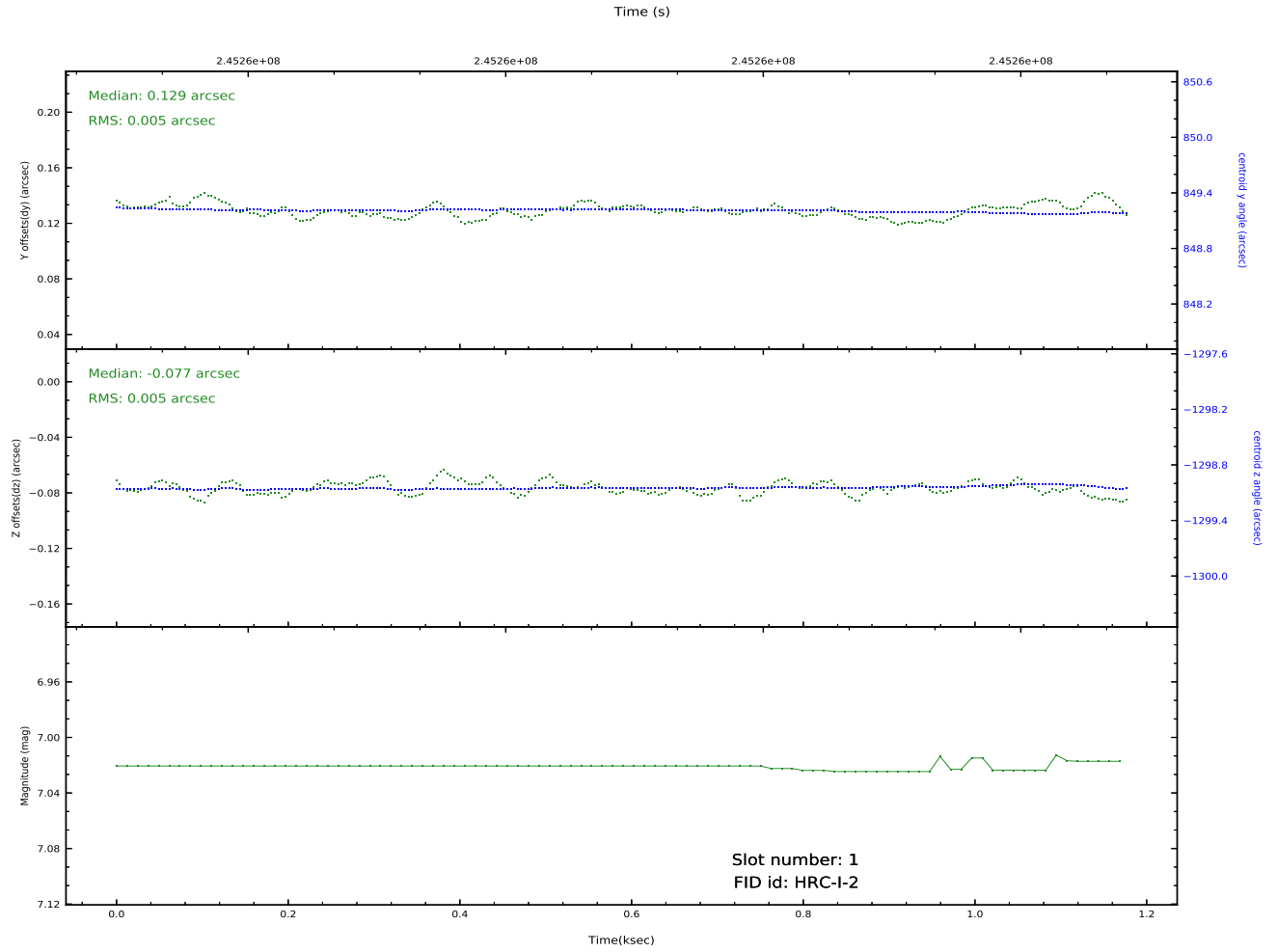
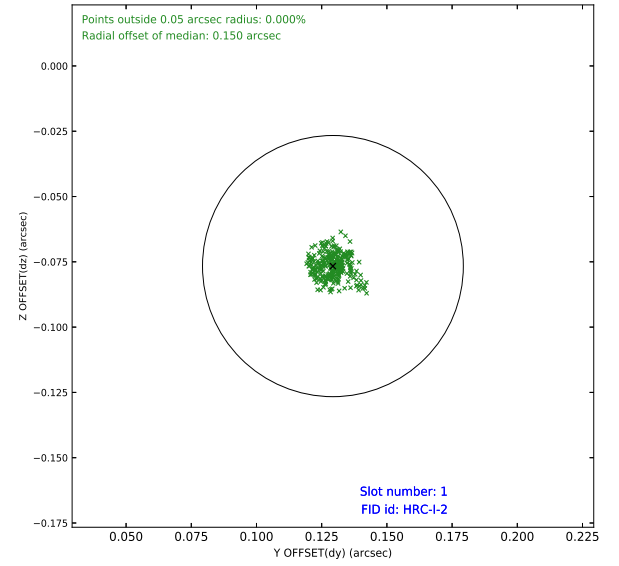
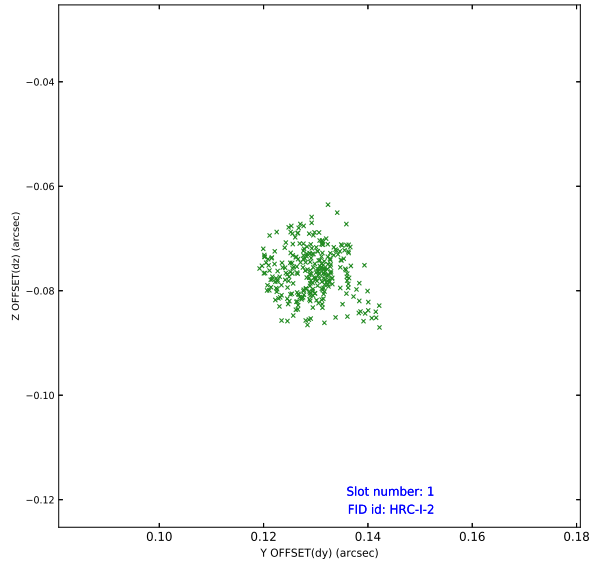


2.5 FID Slots

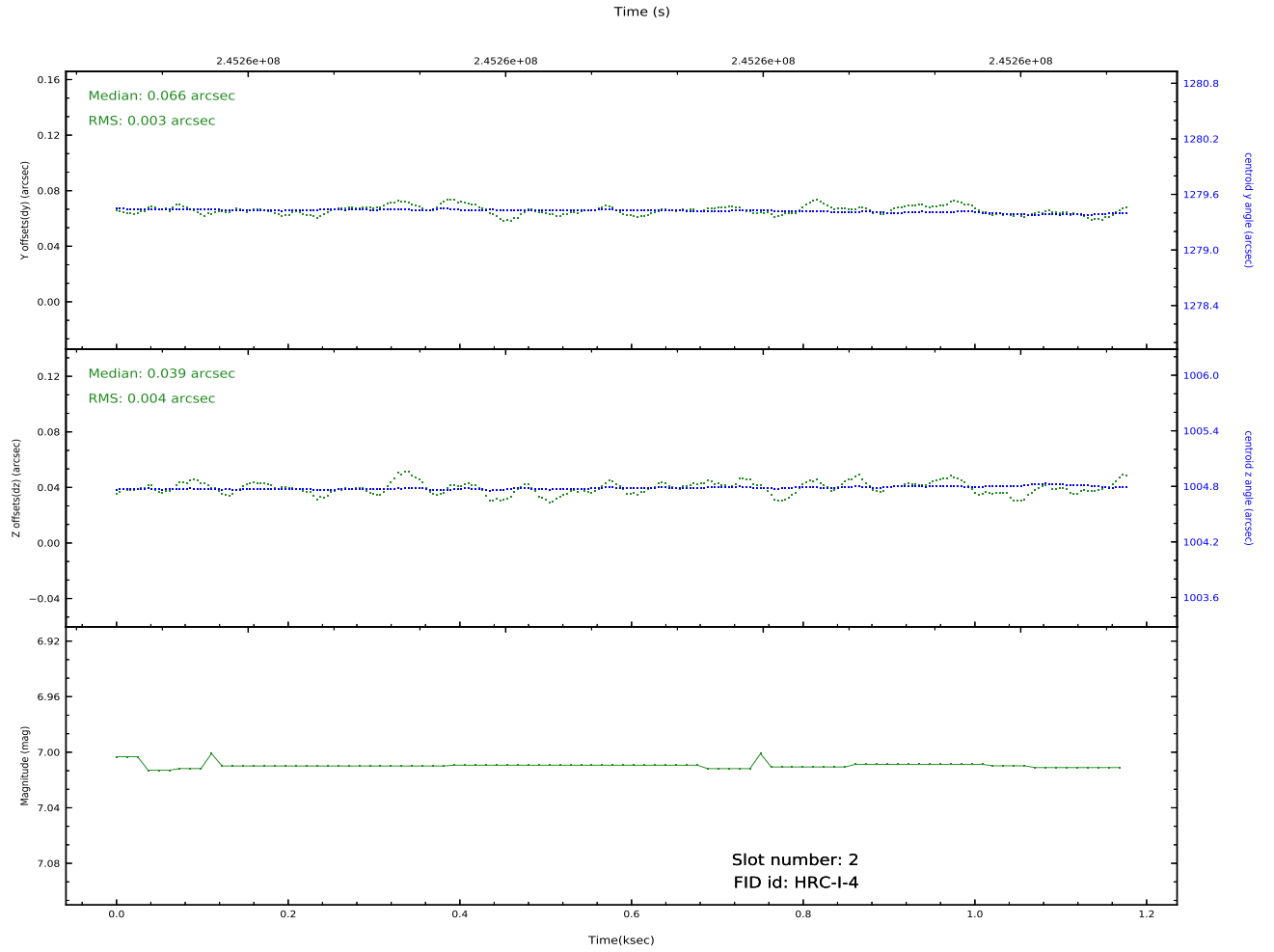
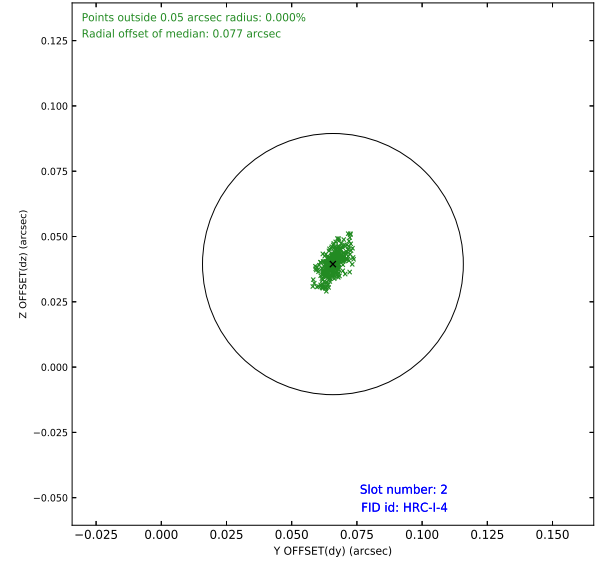
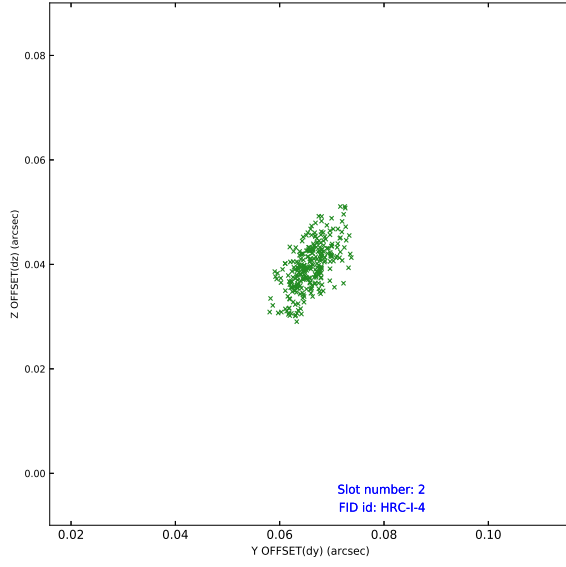
2.5.1 Slot 0



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	1.177981

A.2 Comments