

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5078 - L2 Version 5
Chandra X-Ray Center

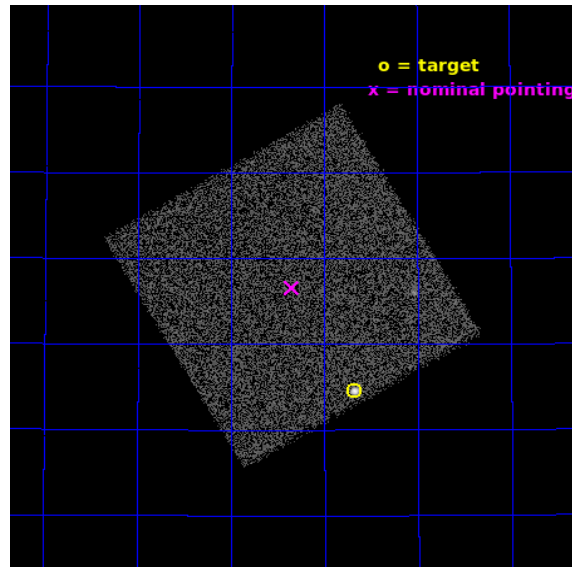
L2 Processing Date : Oct 5 2020

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

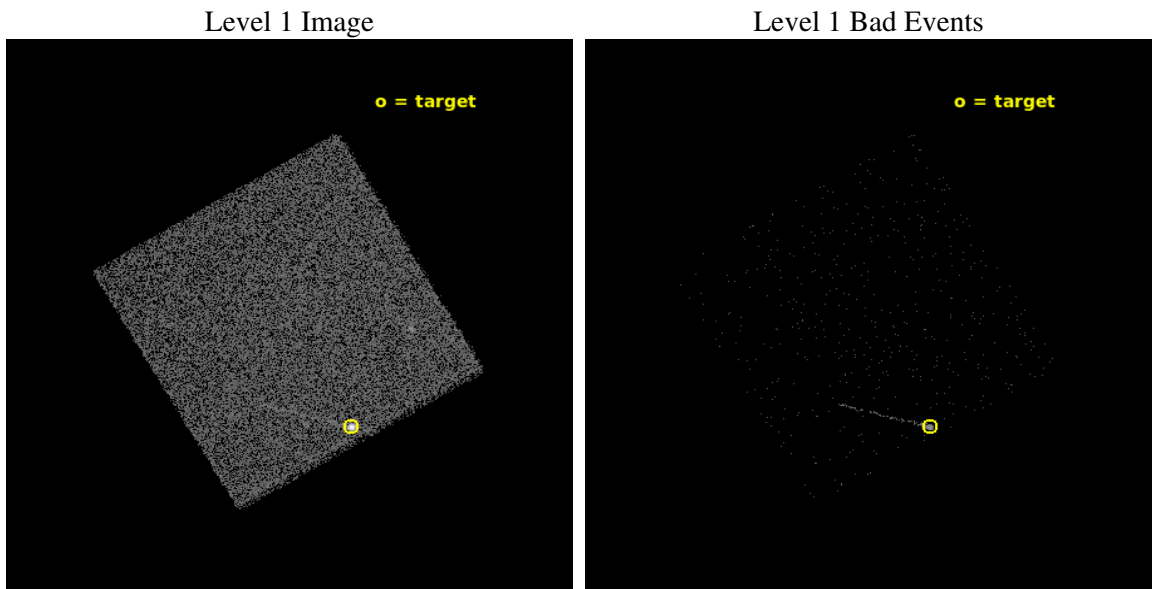
seq_num	290351	Sequence number
obs_id	5078	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.33712374626	Nominal RA [deg]
dec_nom	45.943293465281	Nominal Dec [deg]
roll_nom	284.4590448089	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1085.7312988043	[s]
livetime	1077.9984453254	Ontime multiplied by DTCOR
l2events	42657	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	1085.7312988043	[s]
caldsver	4.9.2	 	l1events	80280	Number of level 1 events
date	2020-10-05T06:49:09	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

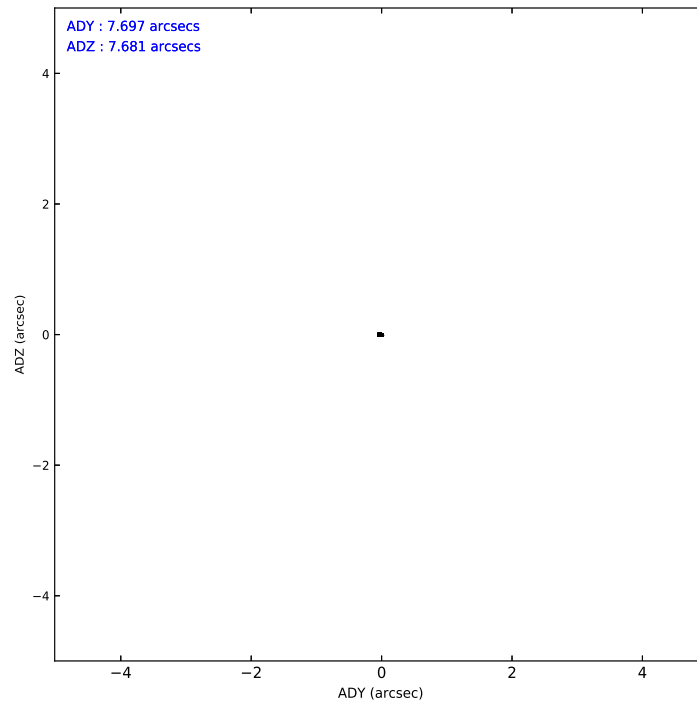
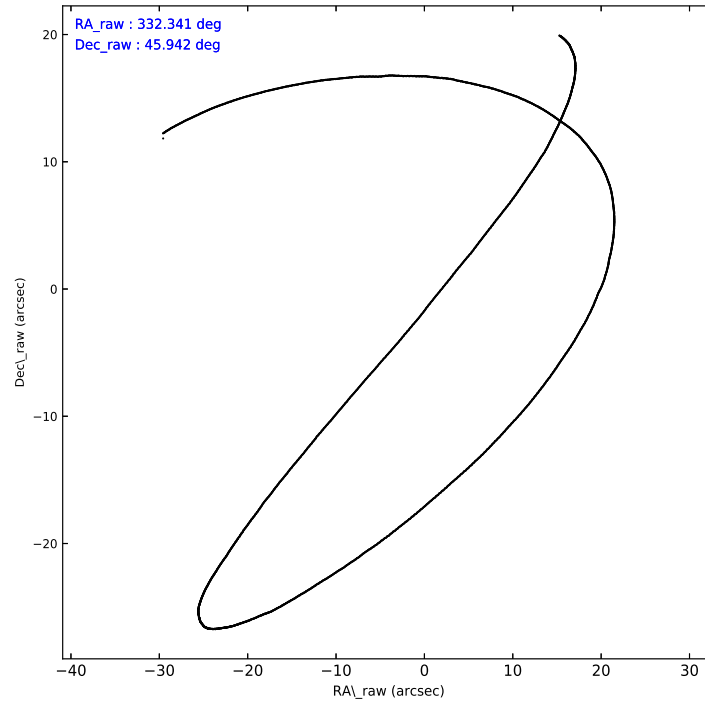
	segment 0
level 1 events	80280
rejected events	18129
rejected %	22%

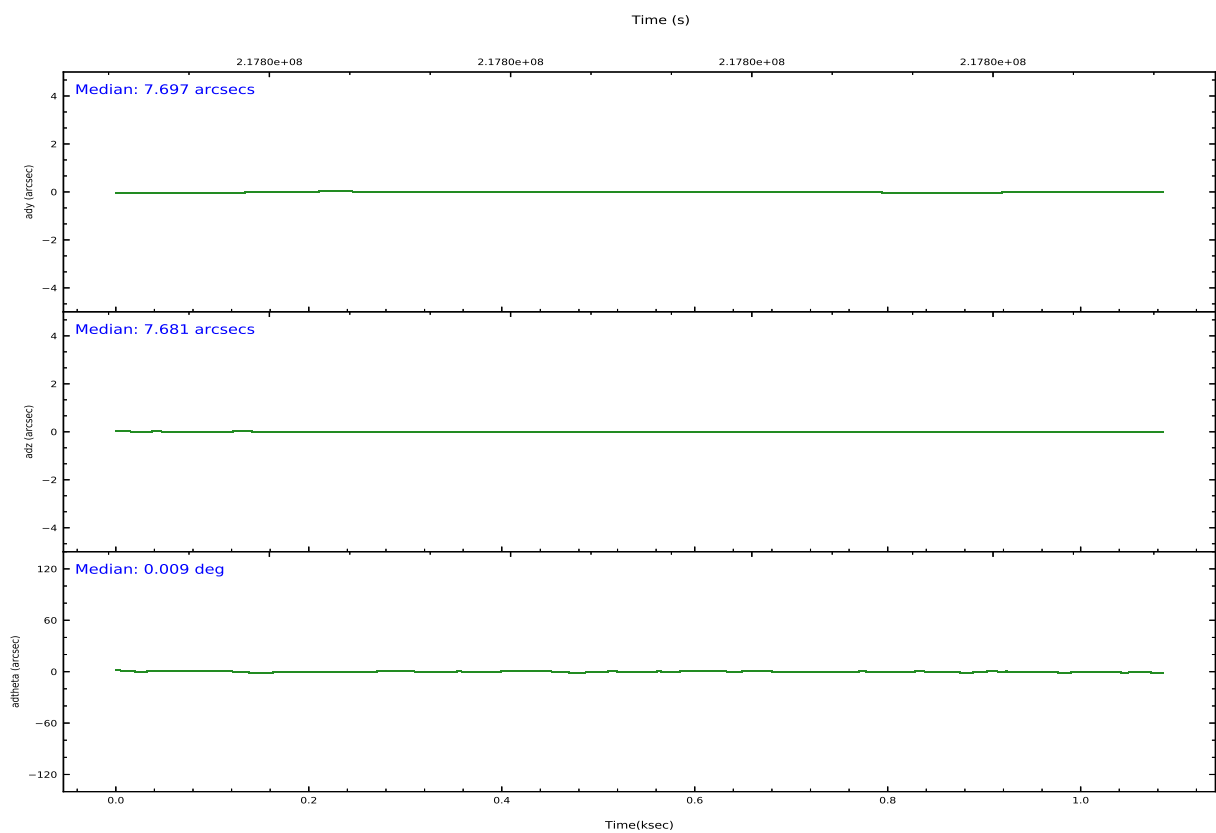
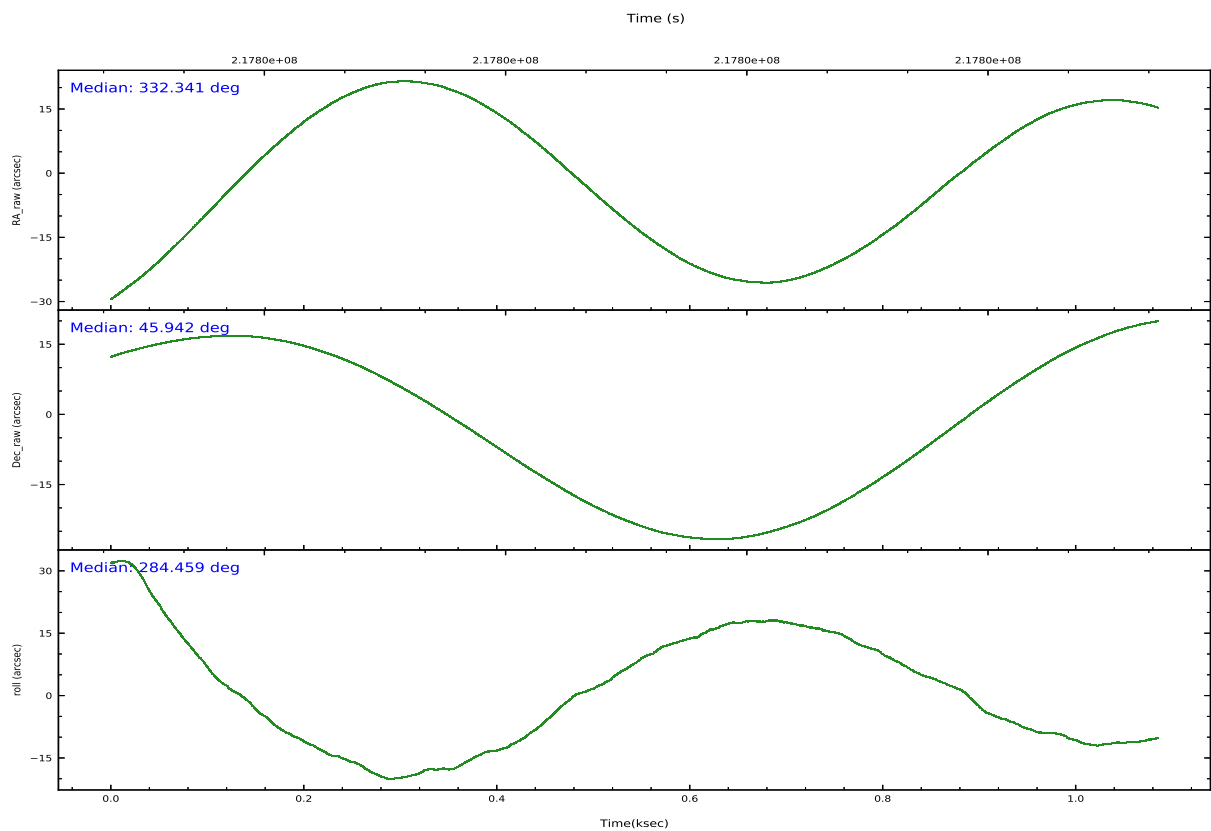
2.2 Compared Parameters

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	332.312235	332.33712374626
[deg] Pointing Dec	45.960441	45.943293465281
[deg] Pointing Roll	284.593254	284.4590448089
[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)	217800027.184000	217799650.80885
Observation start date	2004-11-25T19:59:23	2004-11-25T19:54:10
[s] Observation end time (MET)	217800927.184000	217801061.20891
Observation end date	2004-11-25T20:14:23	2004-11-25T20:17:41

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

2.3 Aspect



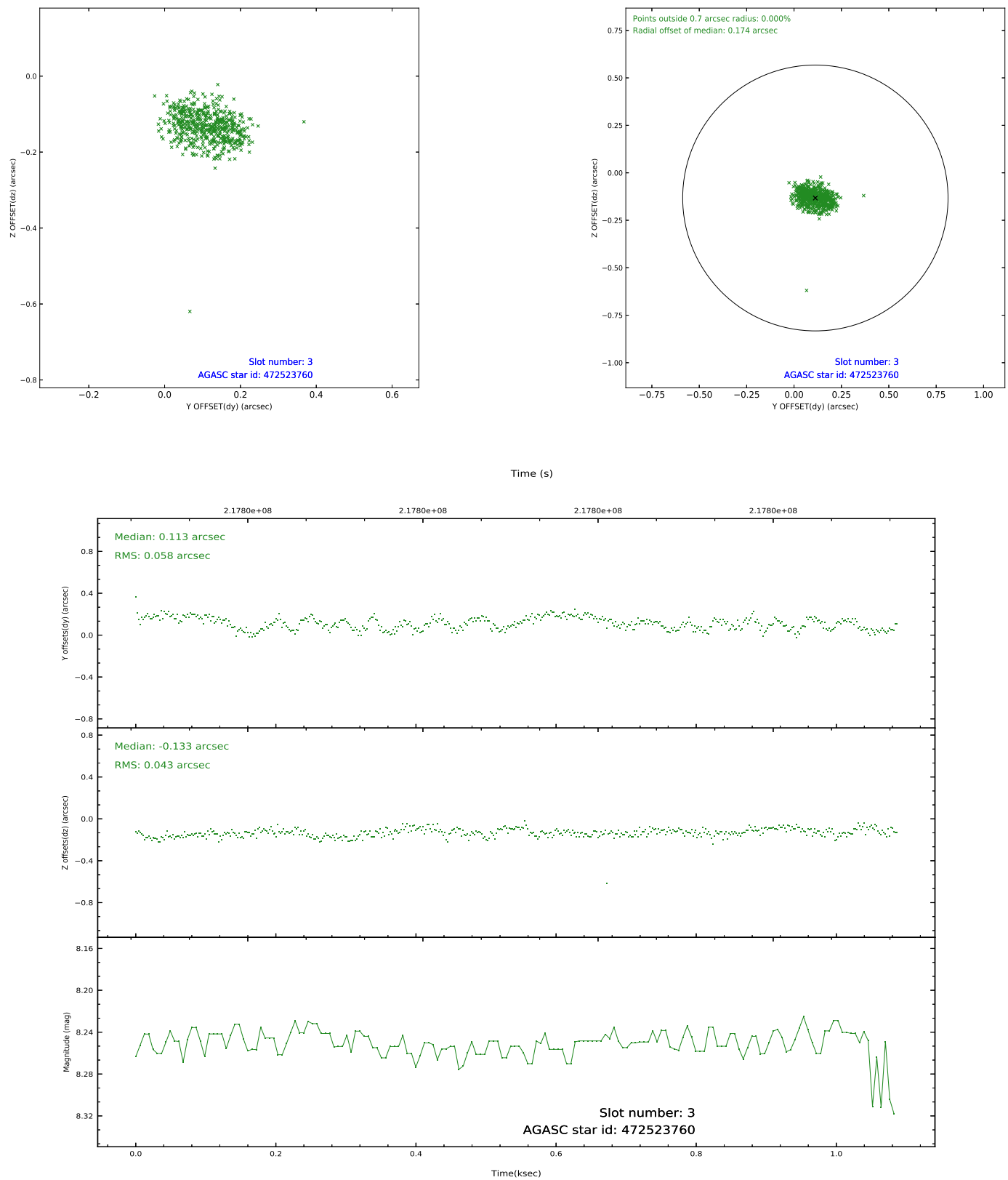


Slot Statistics

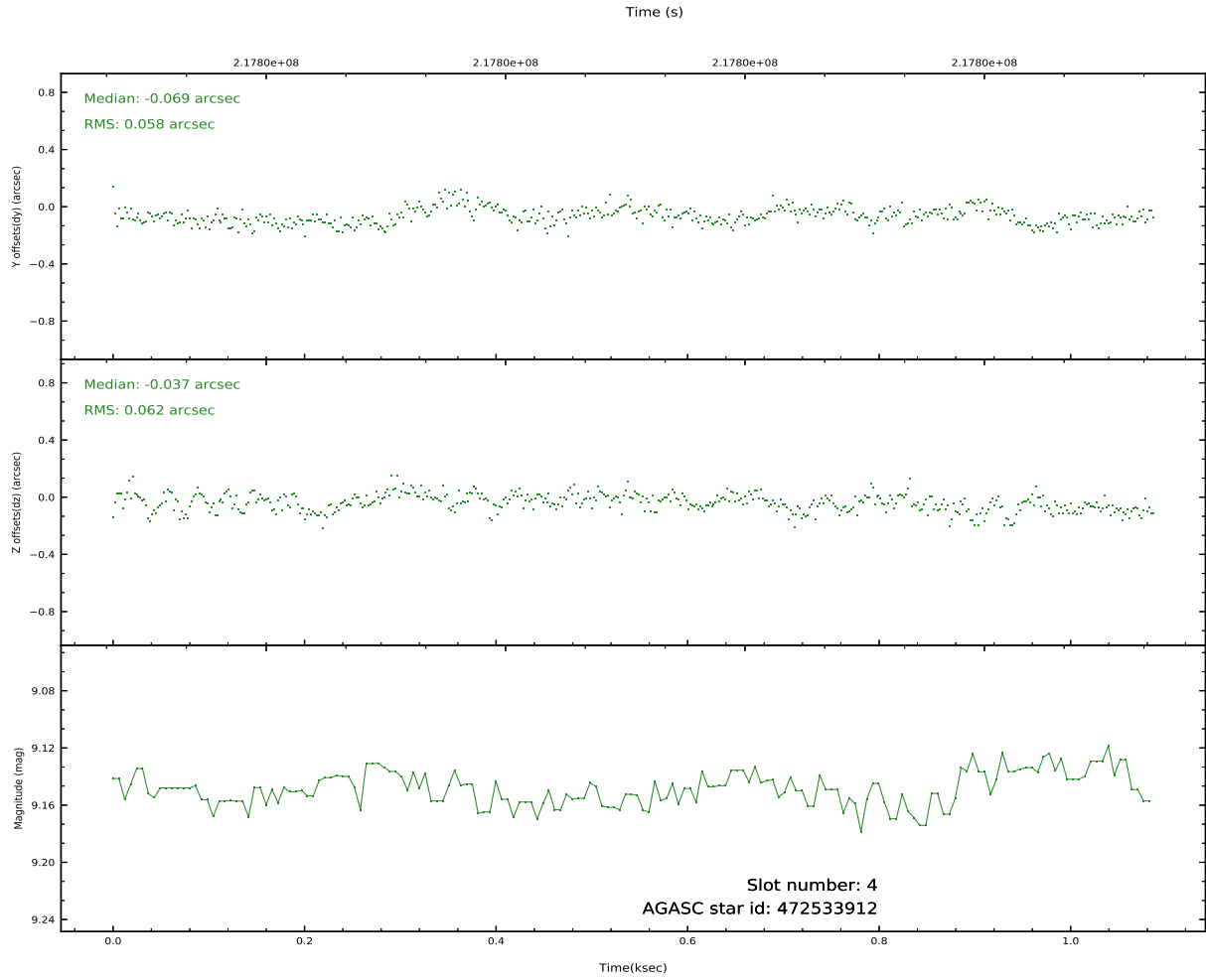
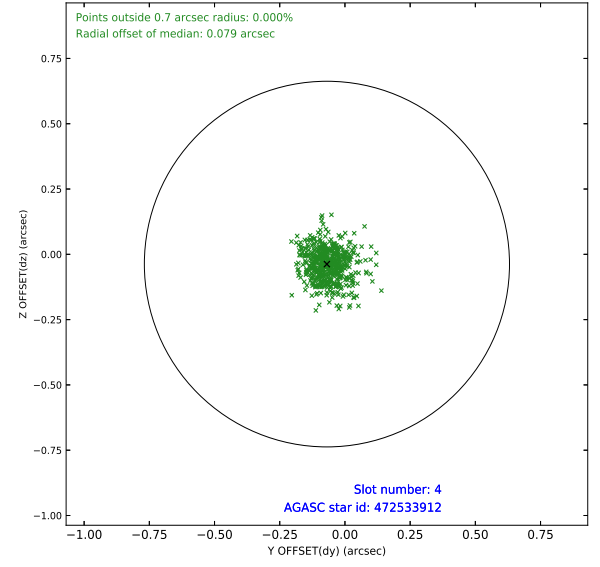
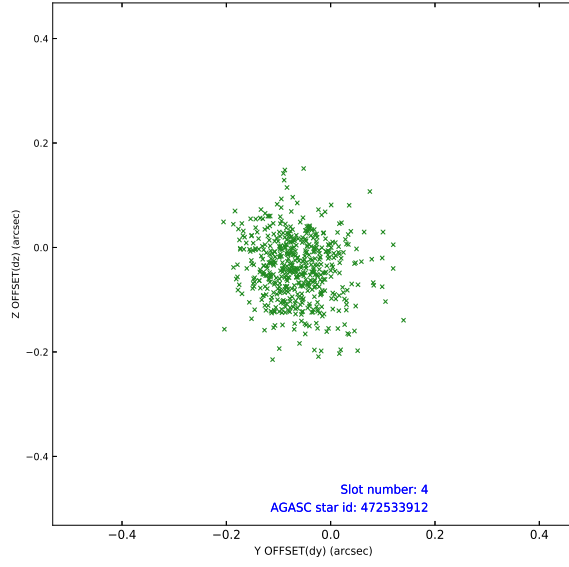
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.01	265	1.000	-0.009	0.018	0.008	0.014	0.000000	0.000000	-763.31	-1295
1	FID		HRC-I-2	7.05	265	1.000	0.164	-0.126	0.007	0.012	0.000000	0.000000	846.61	-1302
2	FID		HRC-I-3	7.10	265	1.000	-0.036	0.018	0.008	0.018	0.000000	0.000000	-1188.62	1004
3	GUIDE	used	472523760	8.25	531	1.000	0.113	-0.133	0.077	0.112	331.645363	45.403260	1510.35	-2136
4	GUIDE	used	472533912	9.15	531	1.000	-0.069	-0.037	0.087	0.157	331.791136	46.368695	-1749.46	-887
5	GUIDE	used	472659736	9.38	531	1.000	-0.052	0.024	0.101	0.160	332.848312	46.590160	-1867.54	1851
6	GUIDE	used	472659832	9.47	530	1.000	0.070	0.083	0.092	0.148	332.780399	46.098139	-192.06	1258
7	GUIDE	used	472663088	9.00	530	1.000	-0.055	0.069	0.094	0.154	332.931735	46.600119	-1848.92	2064

2.4 Star Slots

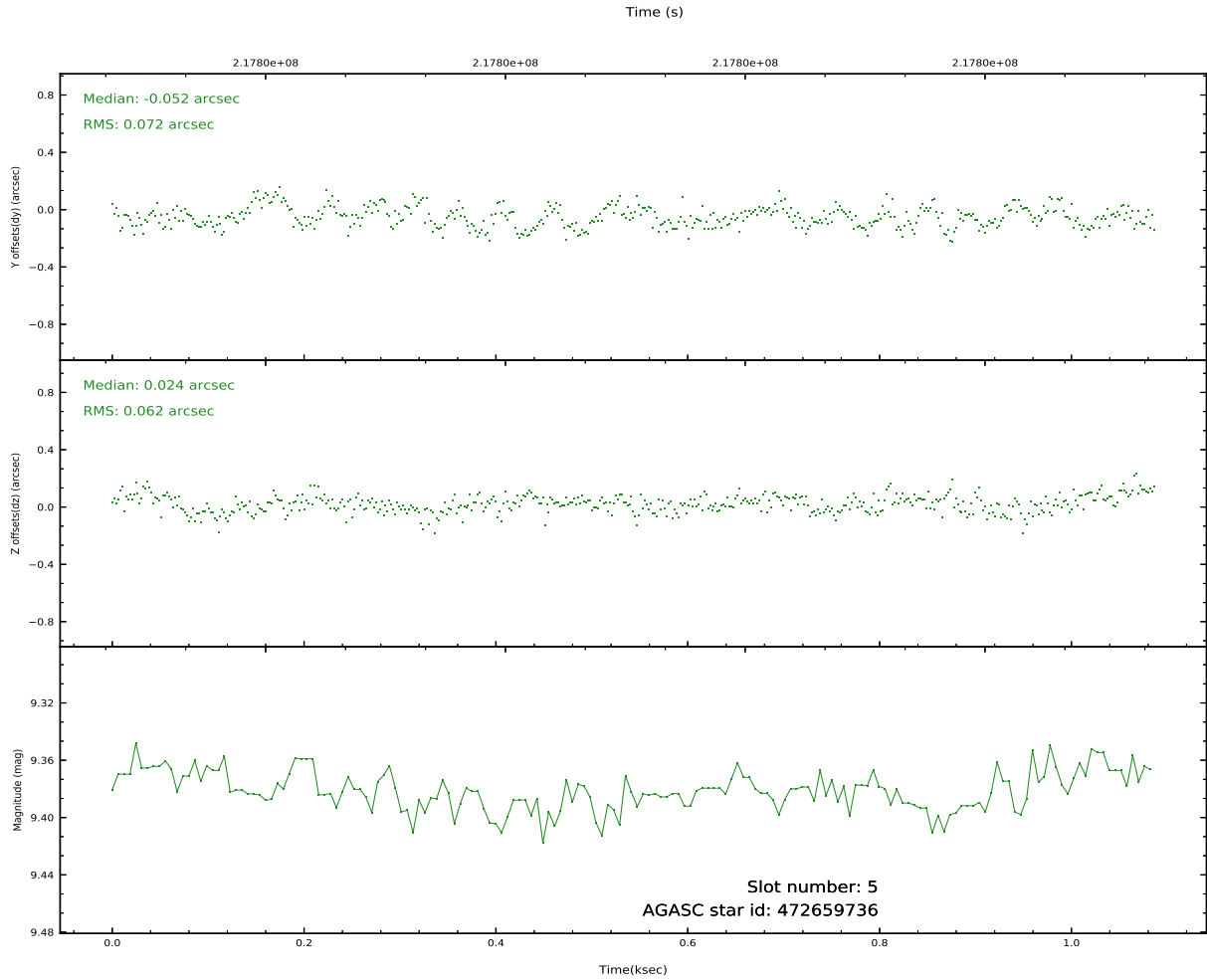
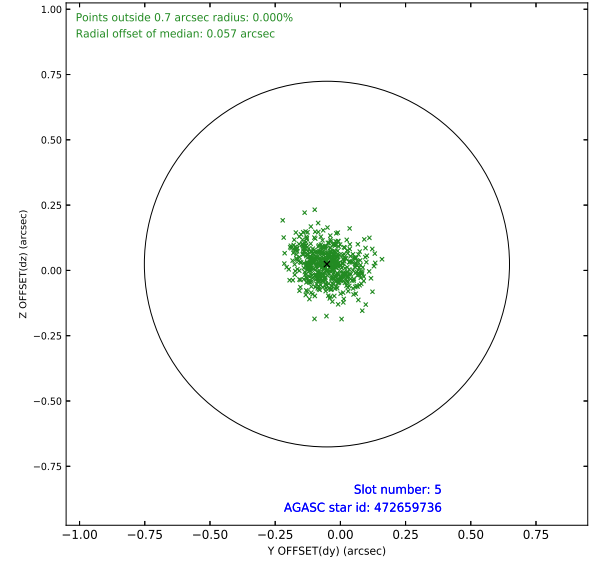
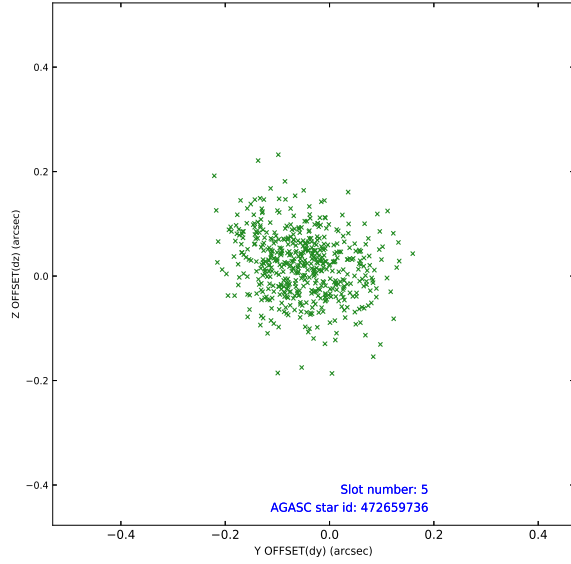
2.4.1 Slot 3



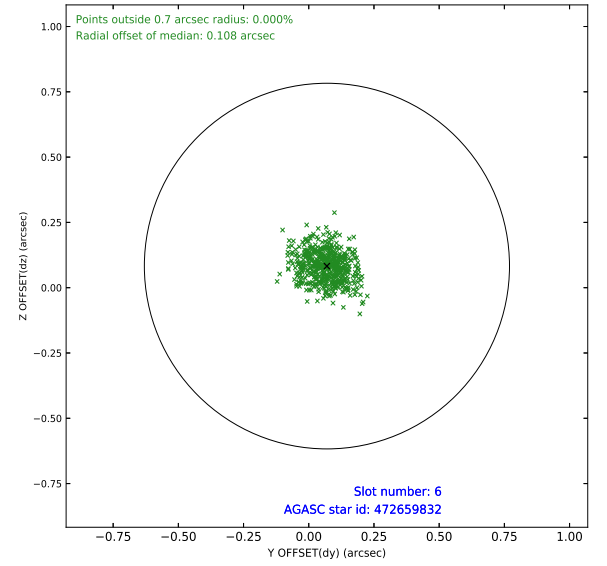
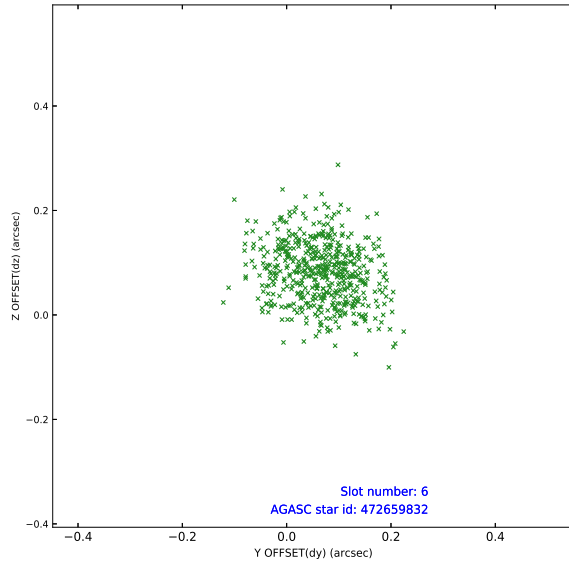
2.4.2 Slot 4



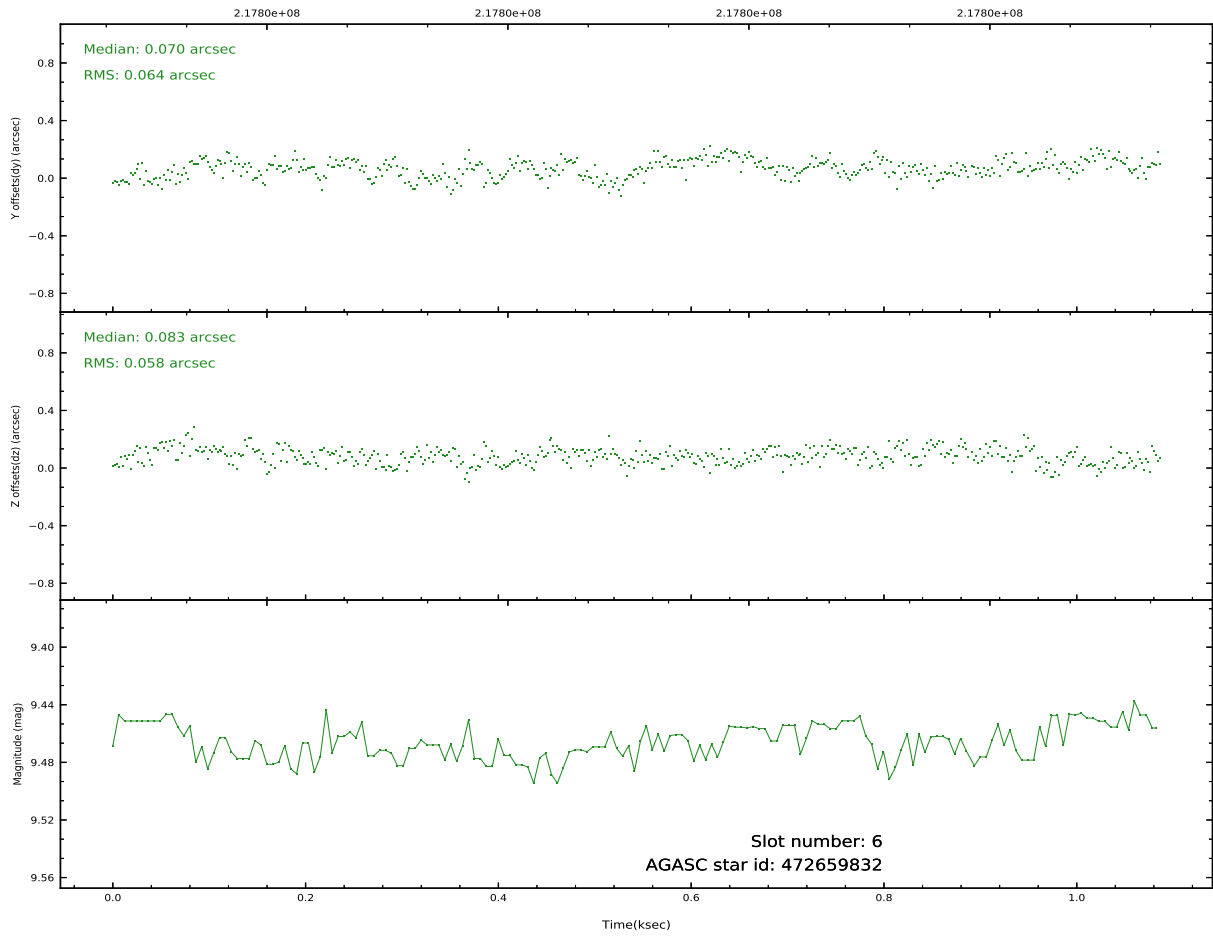
2.4.3 Slot 5



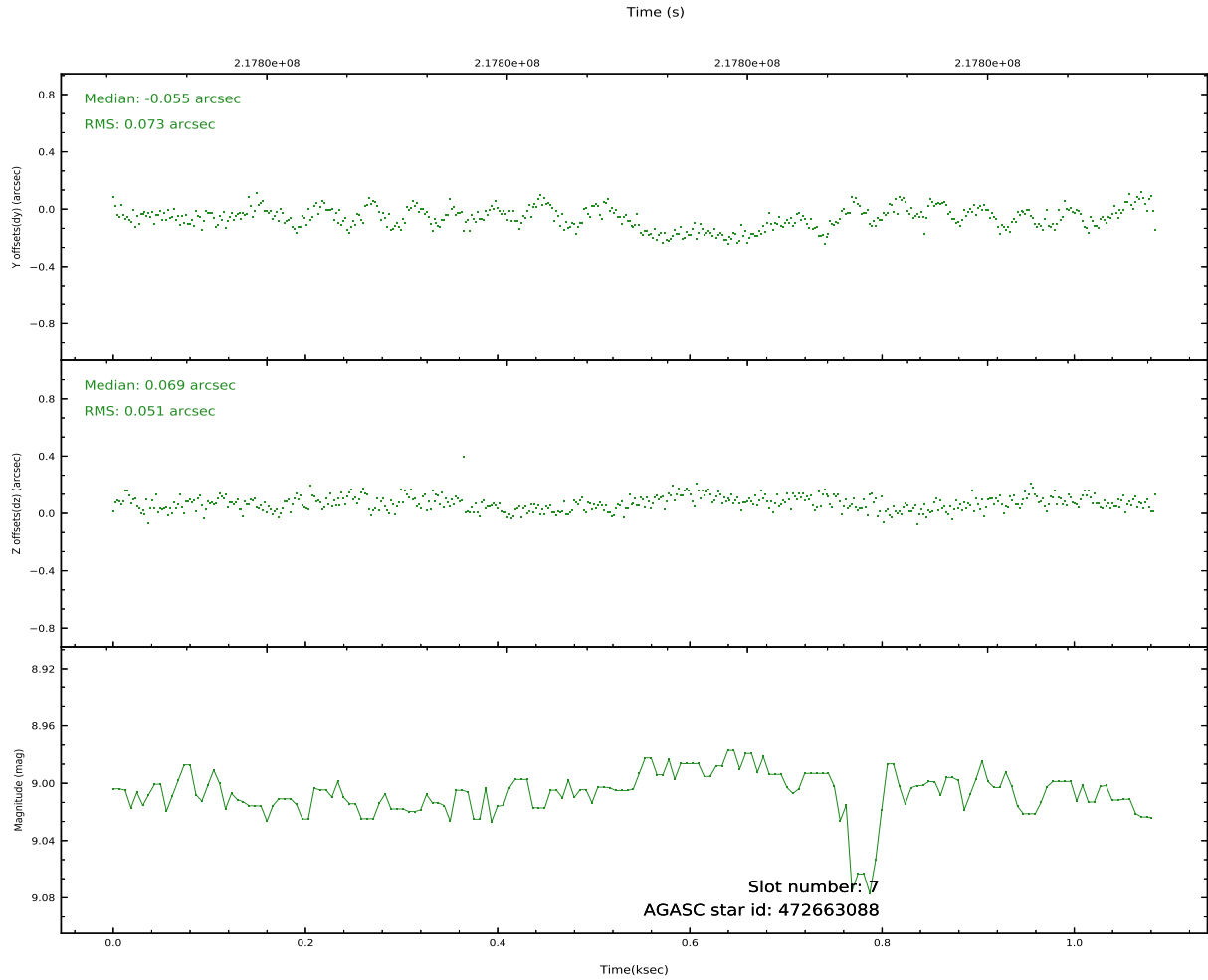
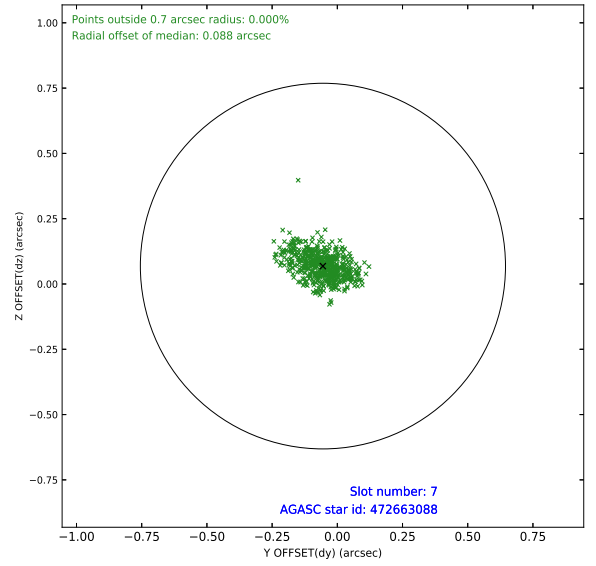
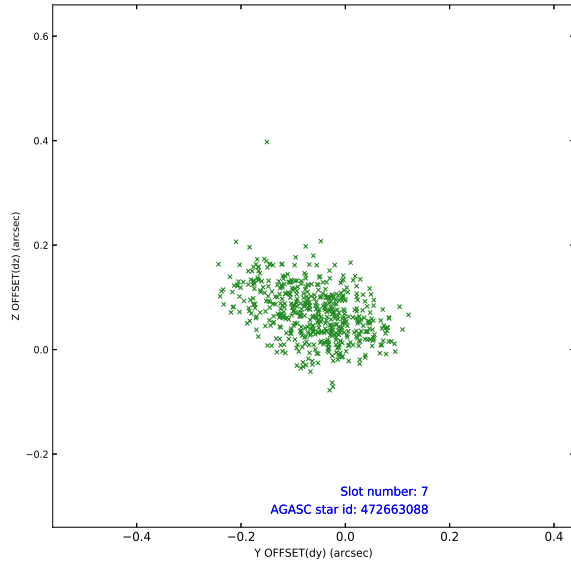
2.4.4 Slot 6



Time (s)

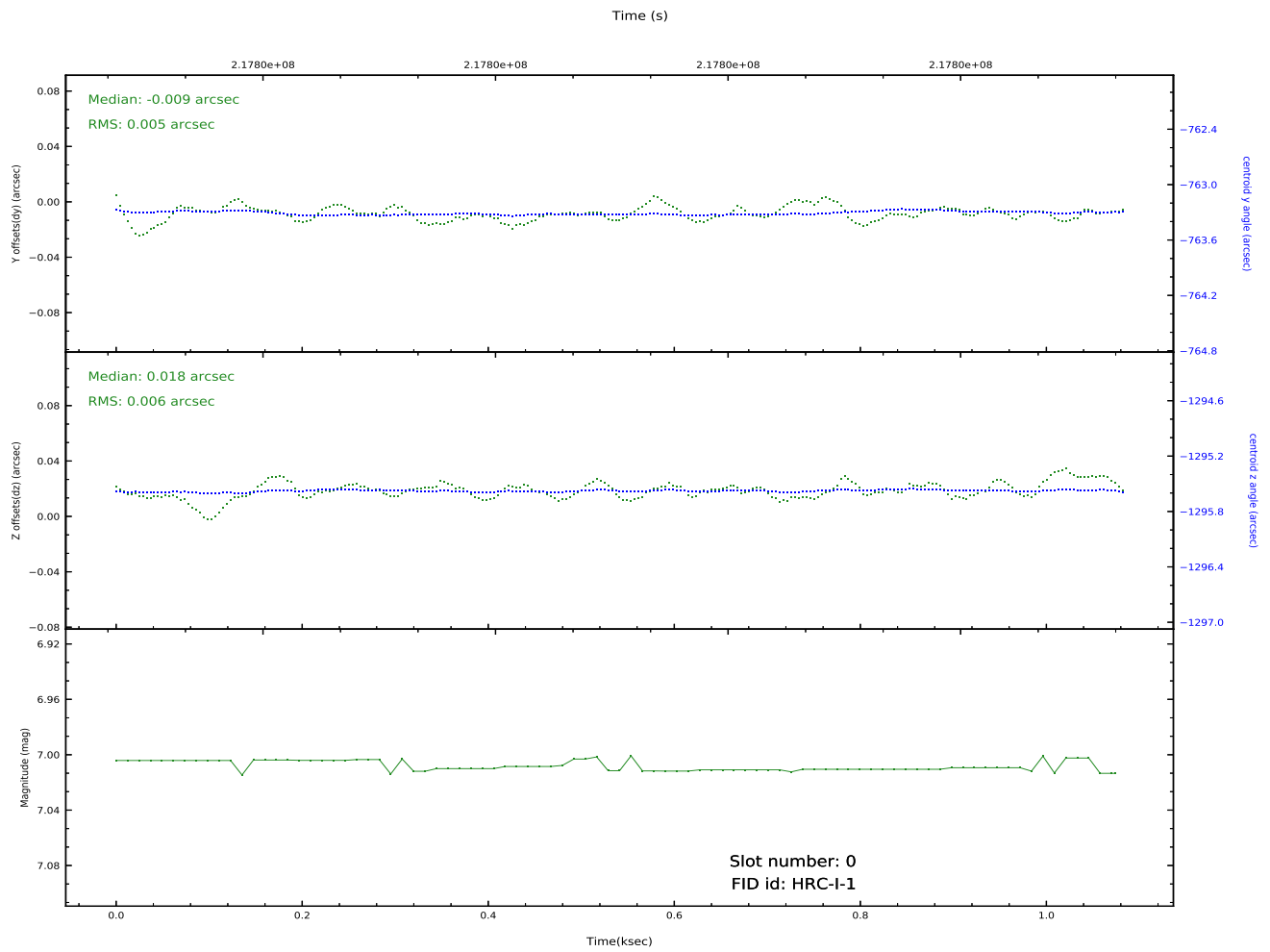
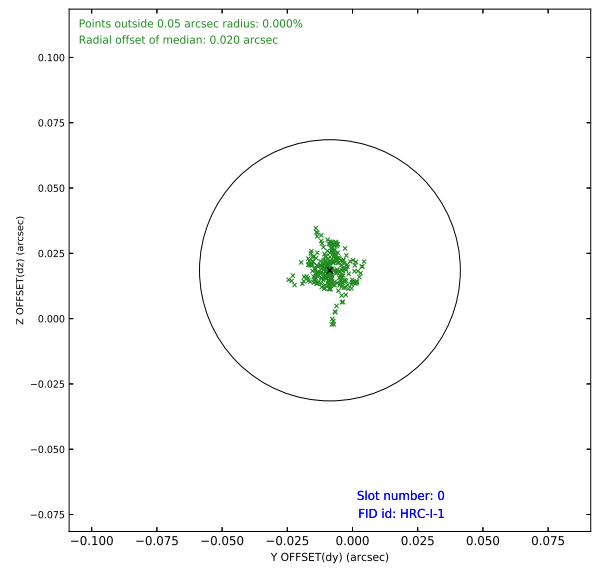
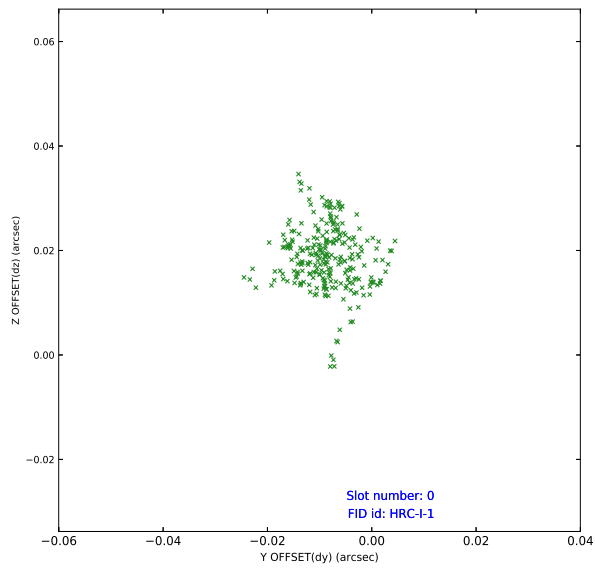


2.4.5 Slot 7

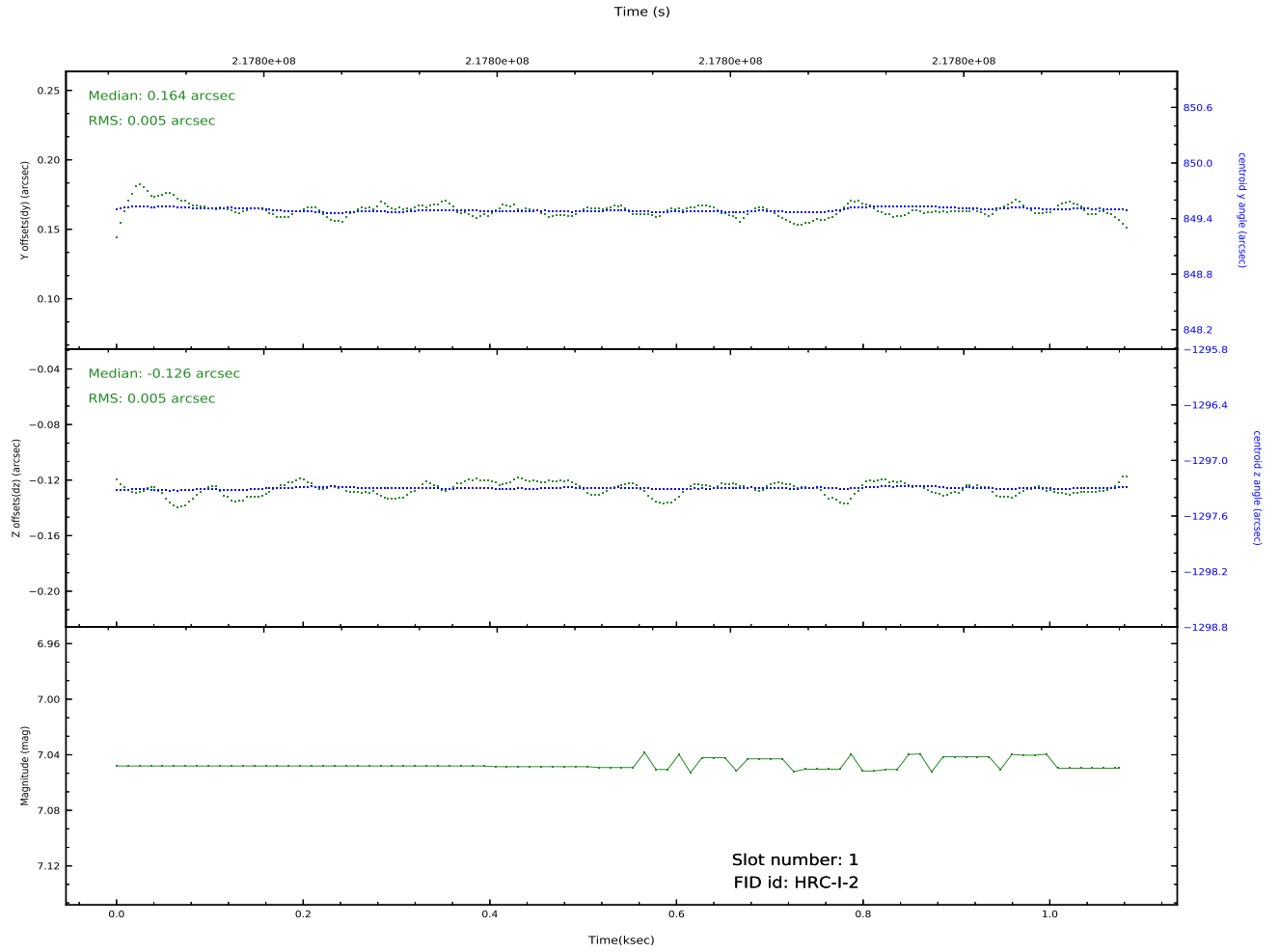
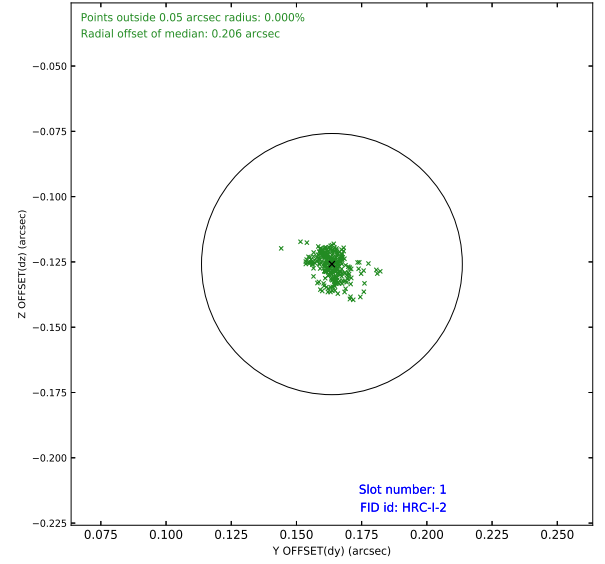
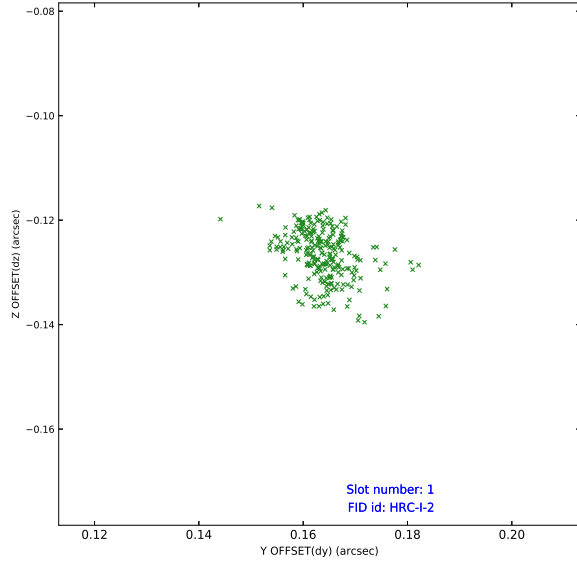


2.5 FID Slots

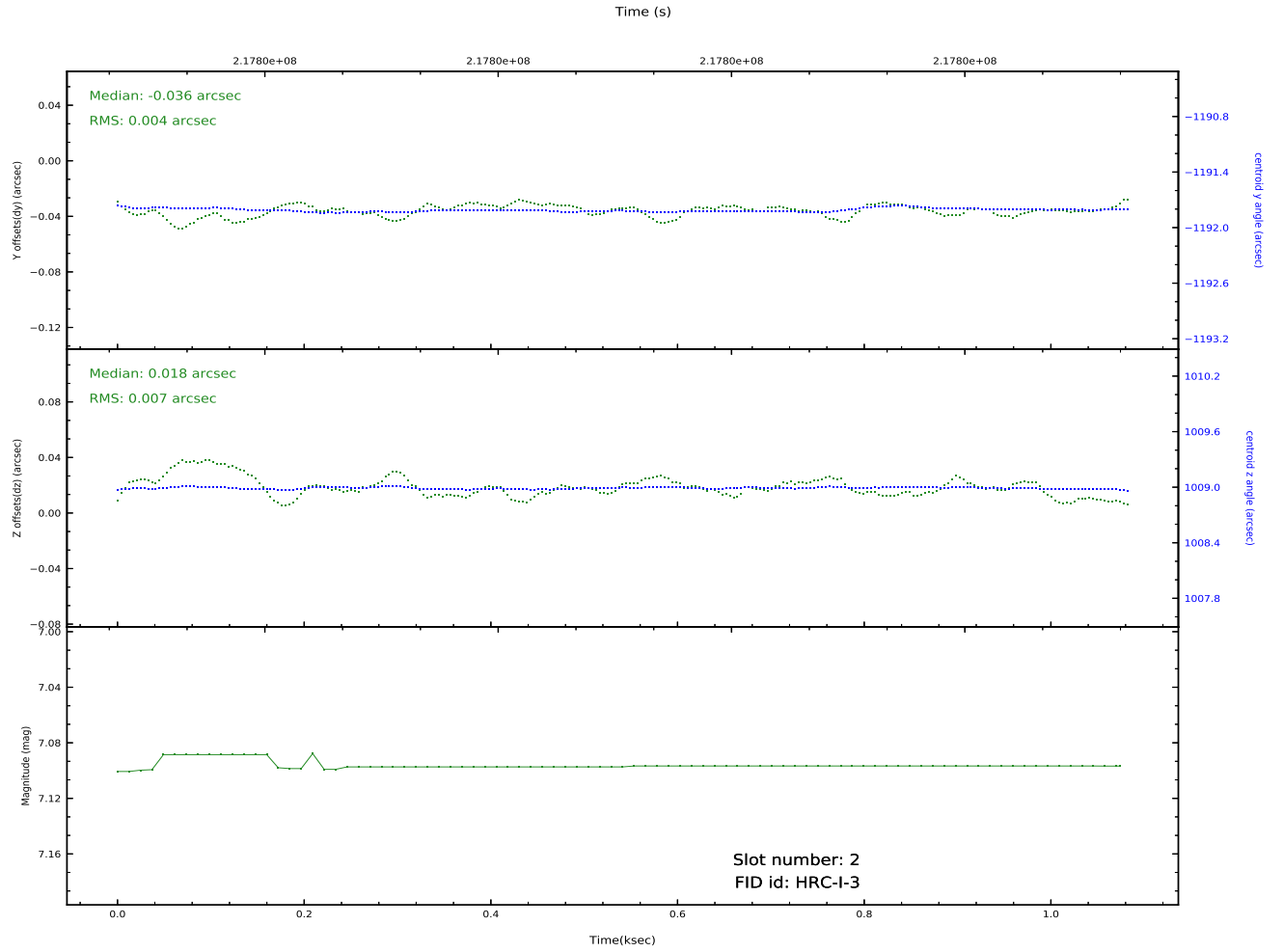
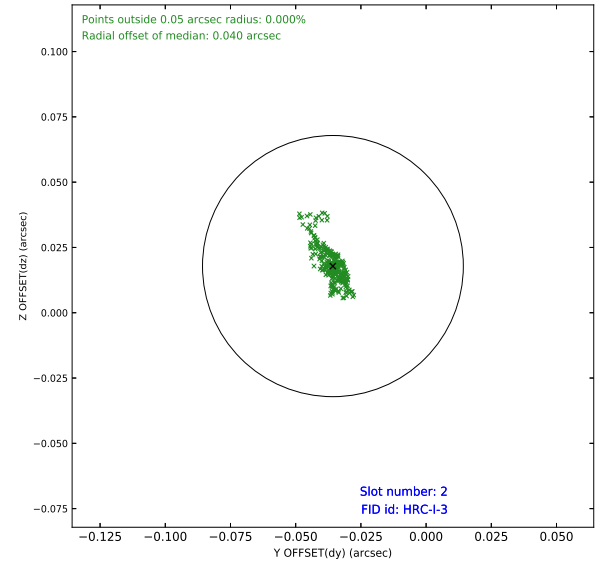
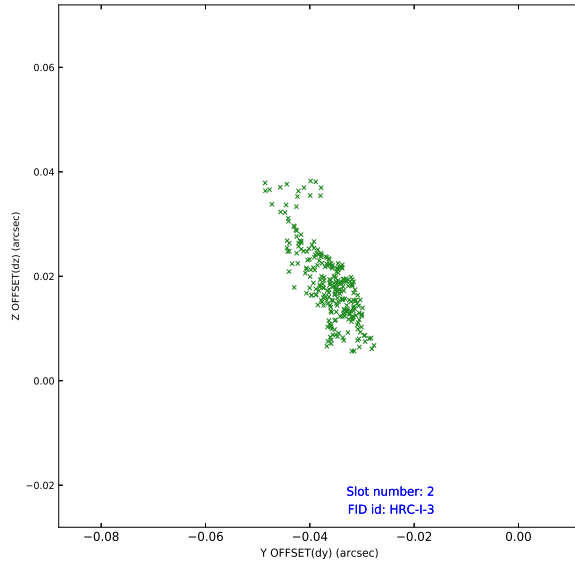
2.5.1 Slot 0



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	1.08573129

A.2 Comments