

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5982 - L2 Version 5
Chandra X-Ray Center

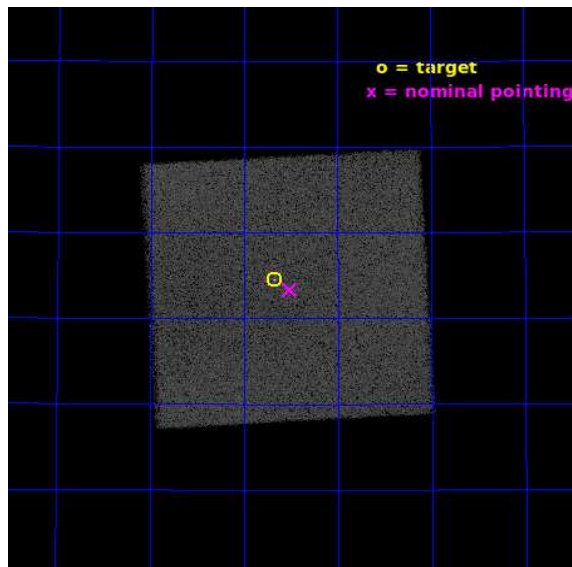
L2 Processing Date : Oct 10 2020

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1 Front

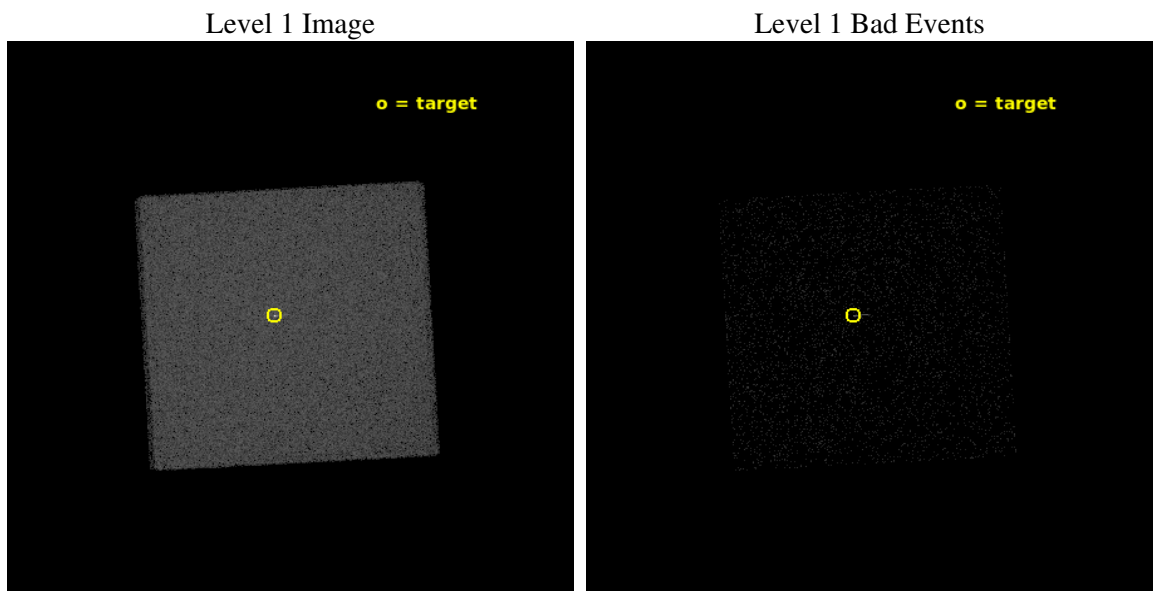
seq_num	290474	Sequence number
obs_id	5982	Observation id
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12774860464	Nominal RA [deg]
dec_nom	45.722764226953	Nominal Dec [deg]
roll_nom	221.78732686759	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1184.1313044727	[s]
livetime	613.70059318824	Ontime multiplied by DTCOR
l2events	163758	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	1184.1313044727	[s]
caldbver	4.9.2	 	l1events	278211	Number of level 1 events
date	2020-10-10T13:57:14	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

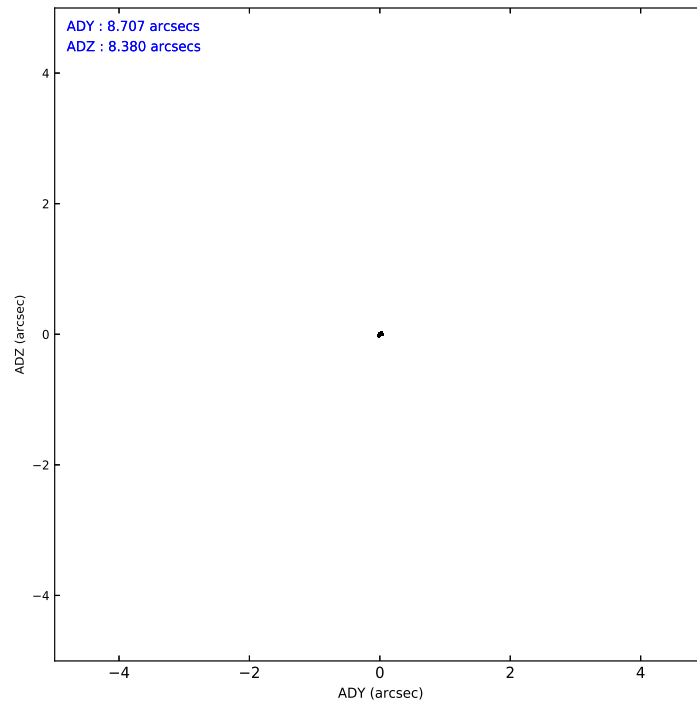
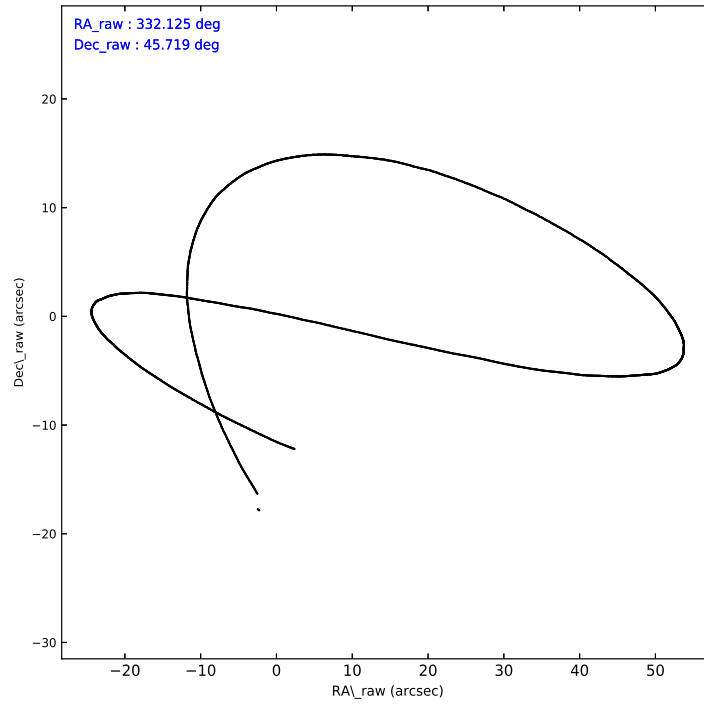
	segment 0
level 1 events	278211
rejected events	59773
rejected %	21%

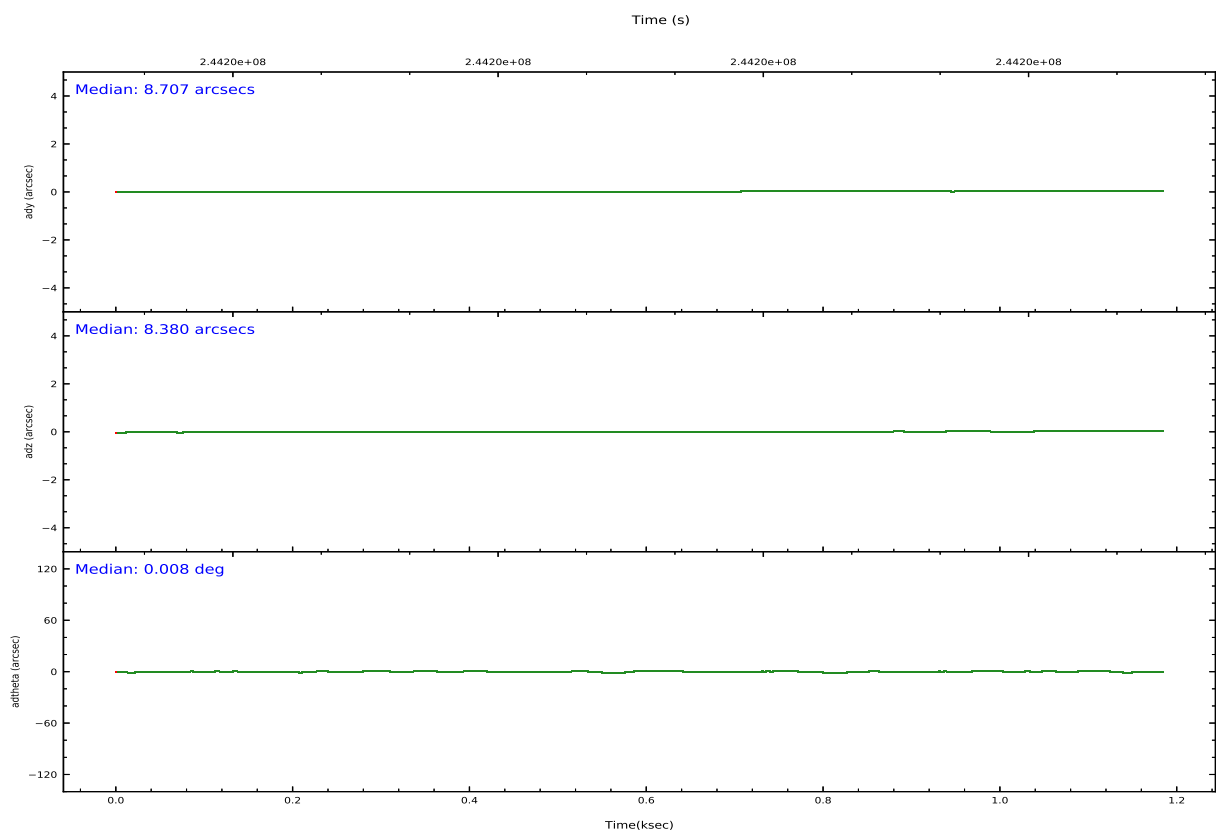
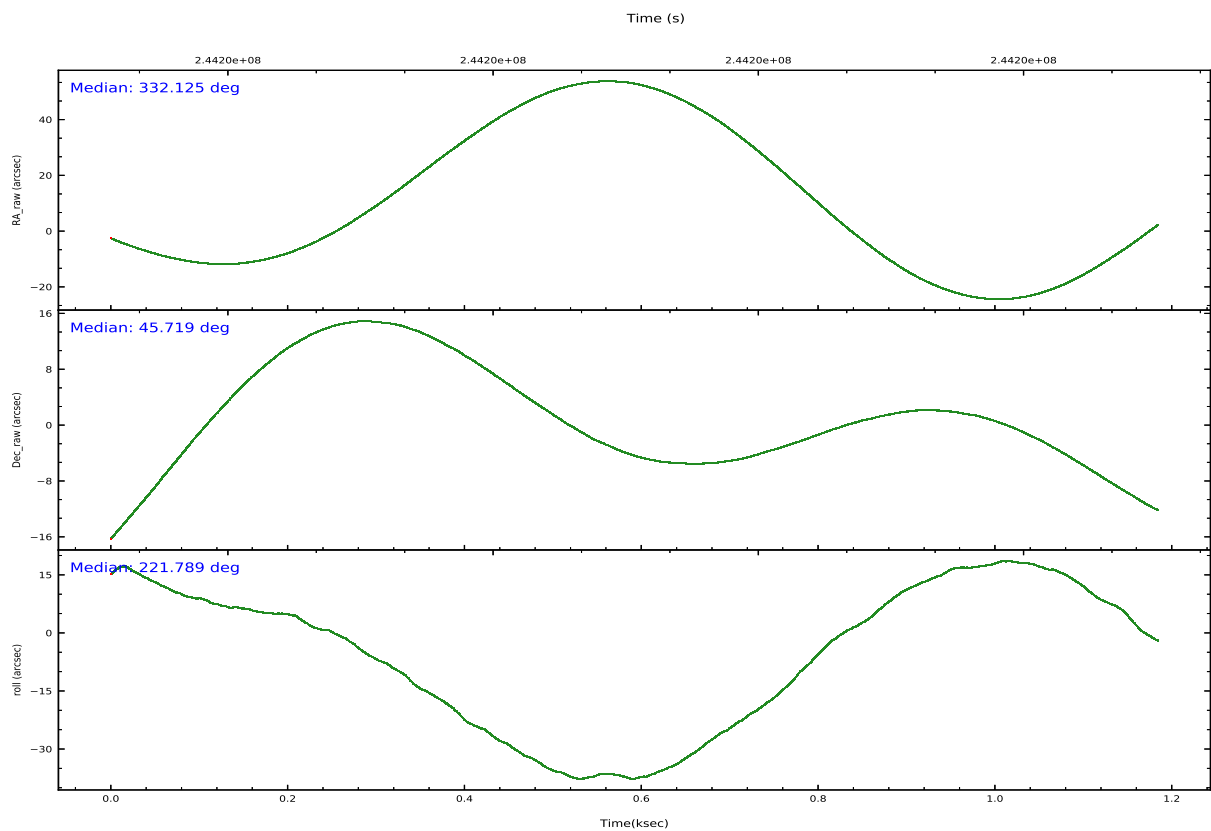
2.2 Compared Parameters

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	332.140081	332.12774860464
[deg] Pointing Dec	45.744630	45.722764226953
[deg] Pointing Roll	221.883133	221.78732686759
[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)	244203752.184000	244203376.28479
Observation start date	2005-09-27T10:21:28	2005-09-27T10:16:16
[s] Observation end time (MET)	244204752.184000	244204886.10986
Observation end date	2005-09-27T10:38:08	2005-09-27T10:41:26

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

2.3 Aspect



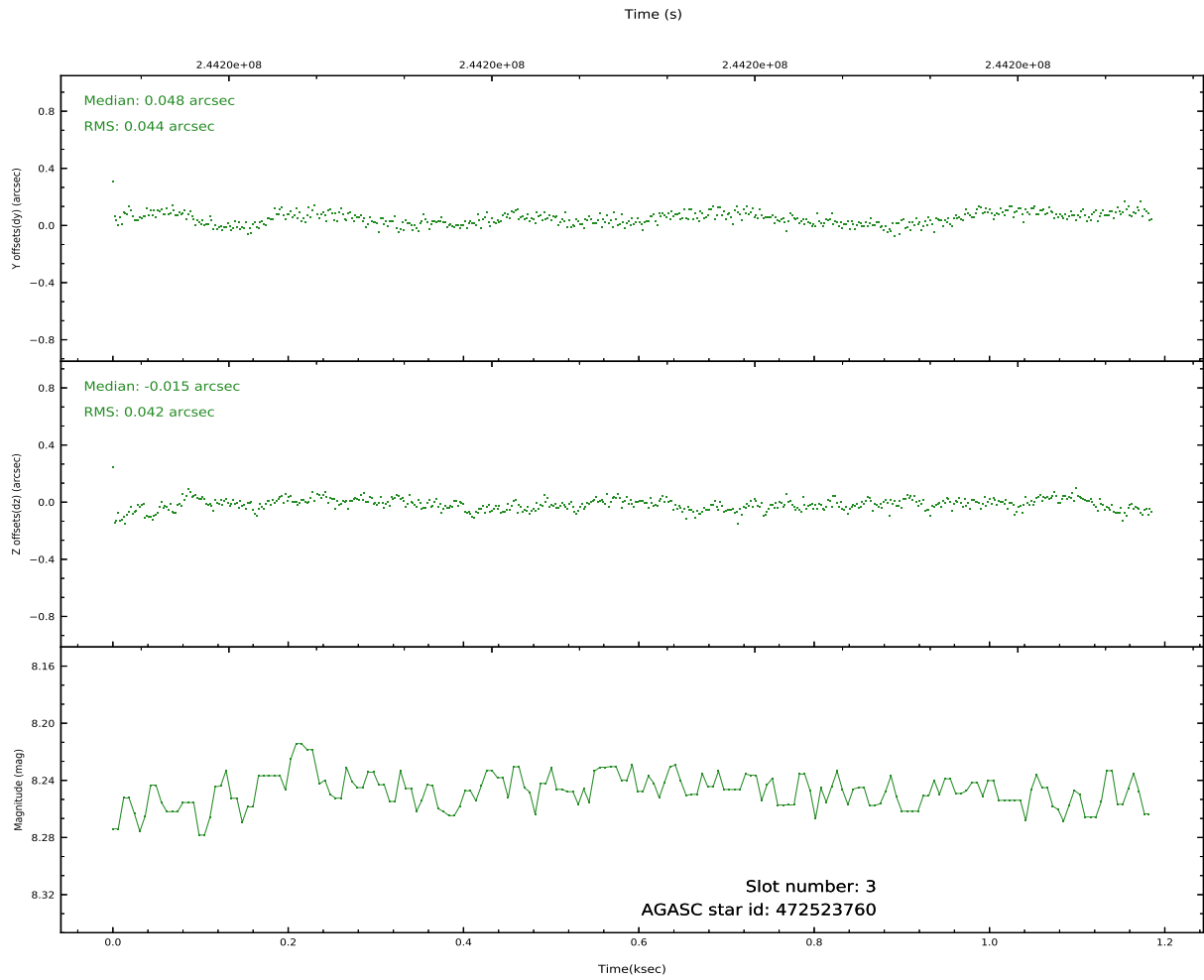
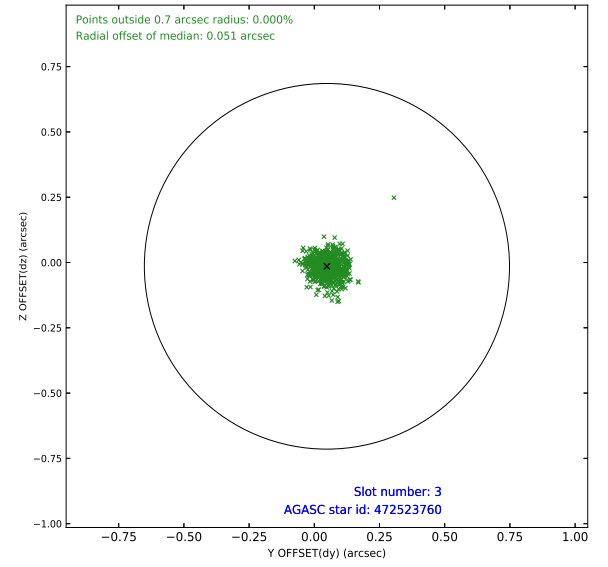
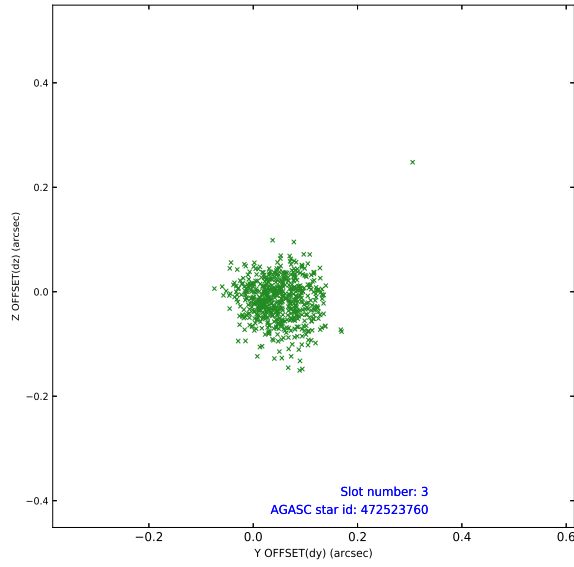


Slot Statistics

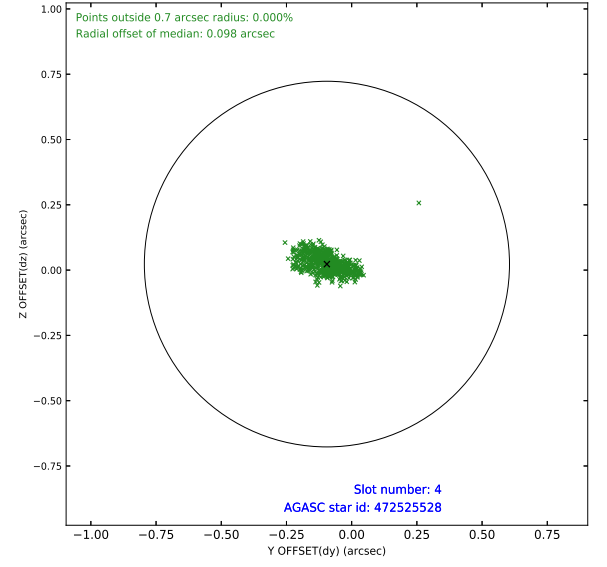
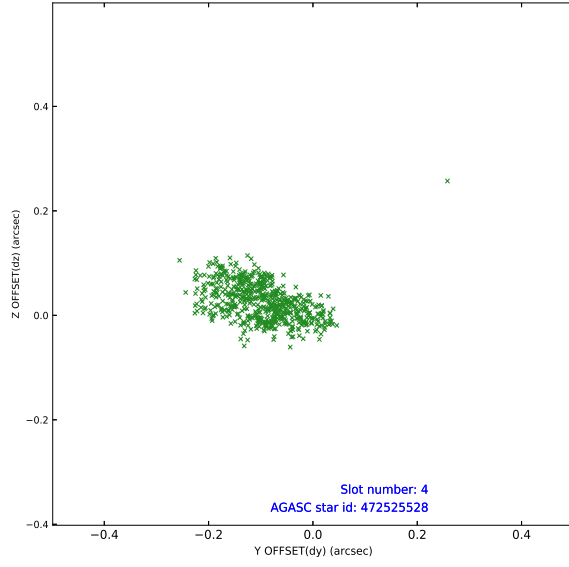
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.02	290	1.000	0.099	-0.114	0.007	0.010	0.000000	0.000000	848.39	-1297
1	FID		HRC-I-3	7.07	290	1.000	-0.104	0.041	0.007	0.011	0.000000	0.000000	-1190.01	1003
2	FID		HRC-I-4	7.00	290	1.000	0.123	-0.014	0.006	0.010	0.000000	0.000000	1274.46	1009
3	GUIDE	used	472523760	8.25	578	1.000	0.048	-0.015	0.065	0.100	331.645363	45.403260	1747.85	81
4	GUIDE	used	472525528	6.65	579	1.000	-0.095	0.023	0.076	0.126	331.551102	45.248694	2301.37	332
5	GUIDE	used	472533912	9.16	576	1.000	0.018	-0.038	0.113	0.185	331.791136	46.368695	-852.79	-2248
6	GUIDE	used	472655152	9.43	579	1.000	-0.027	-0.071	0.100	0.163	332.504239	45.862991	-968.14	290
7	GUIDE	used	472665256	9.02	578	1.000	0.050	0.086	0.065	0.107	332.808125	46.195041	-2329.29	-96

2.4 Star Slots

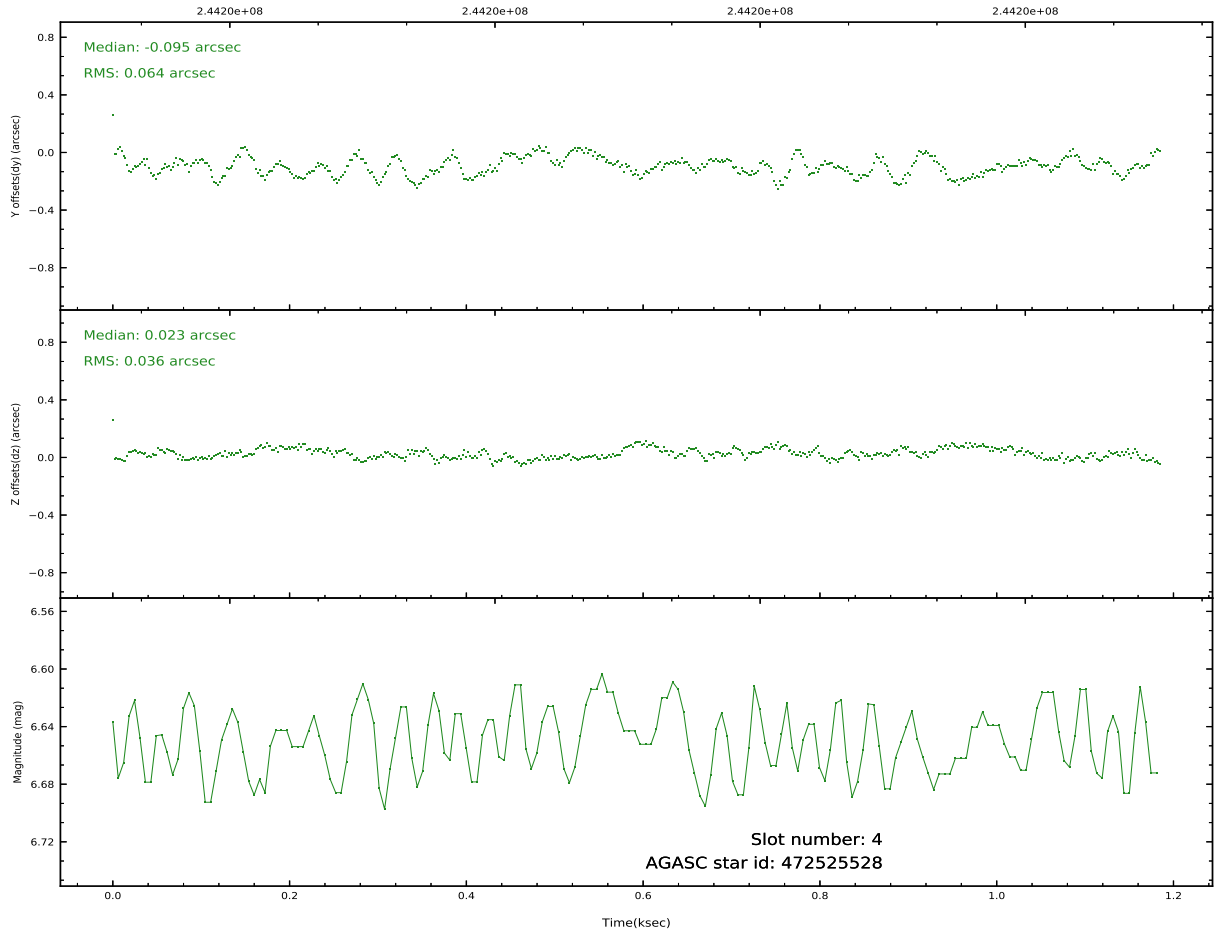
2.4.1 Slot 3



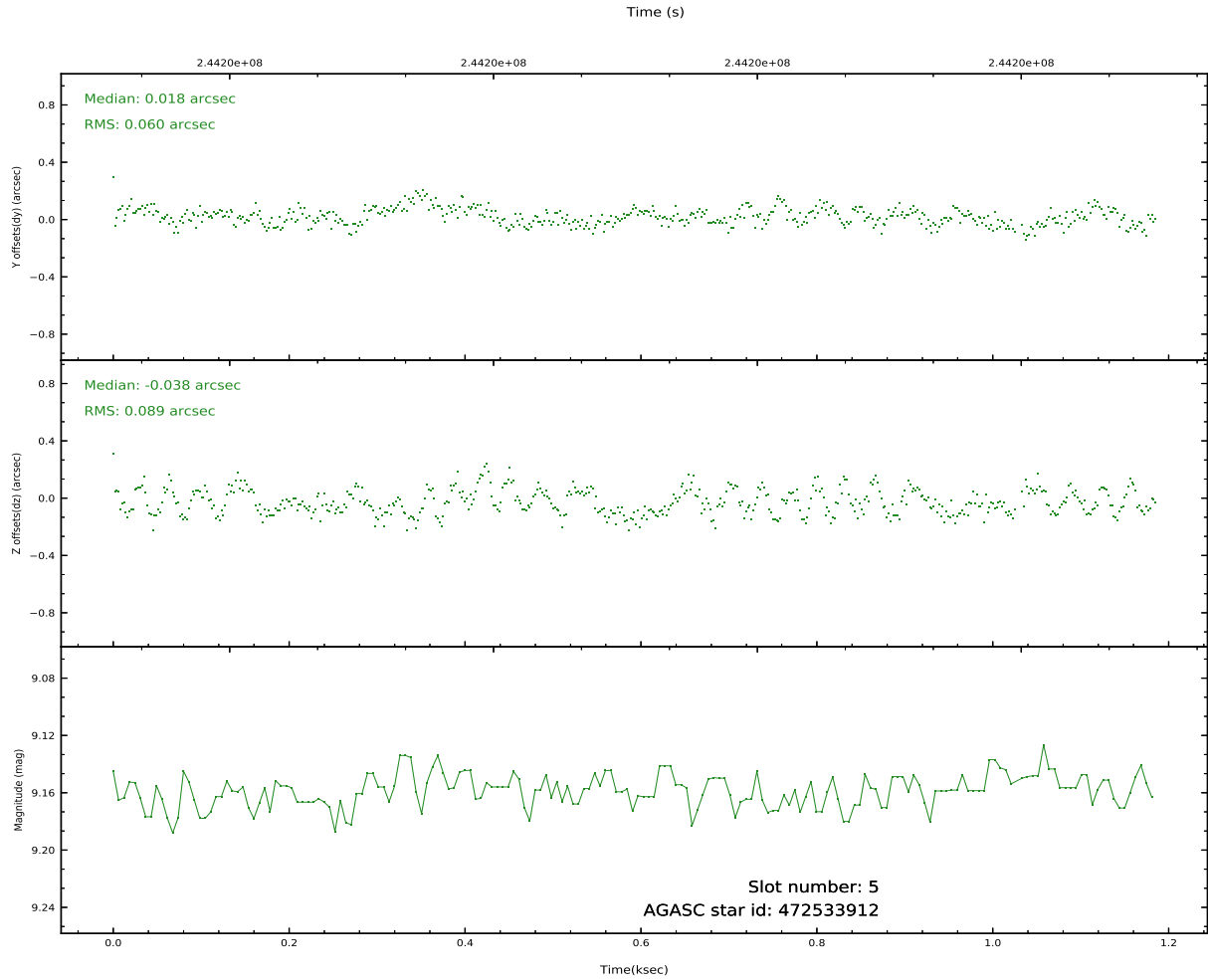
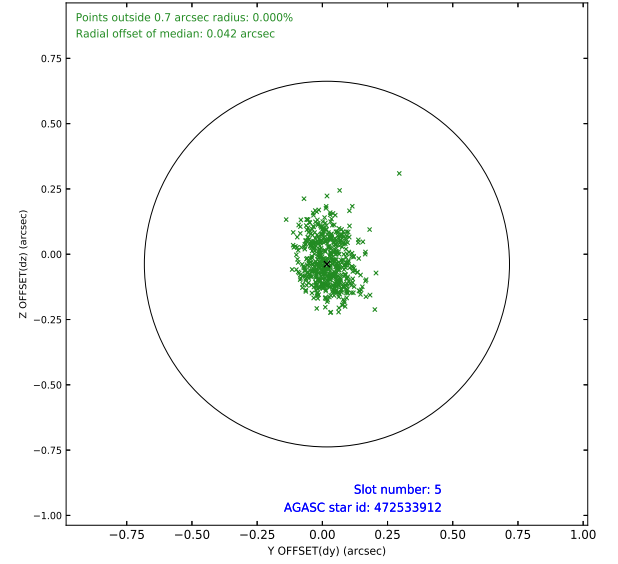
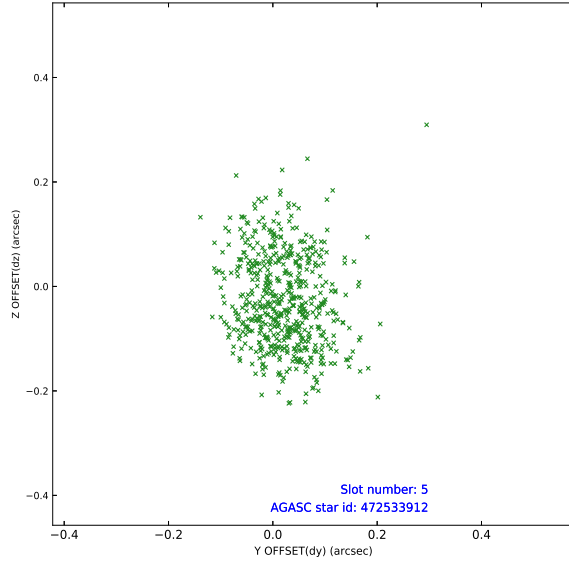
2.4.2 Slot 4



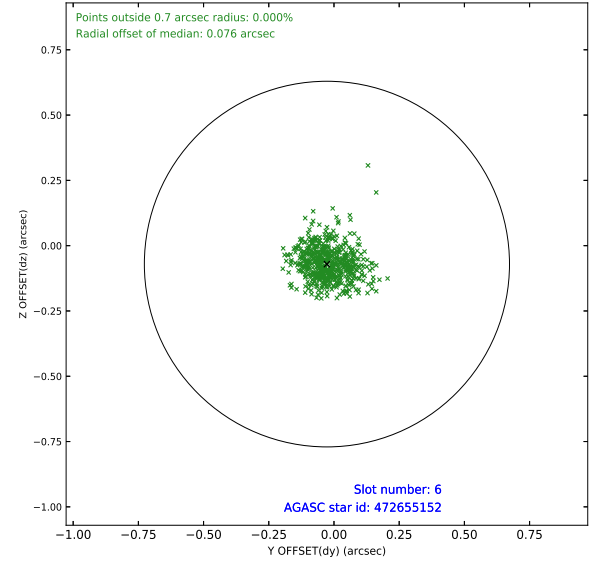
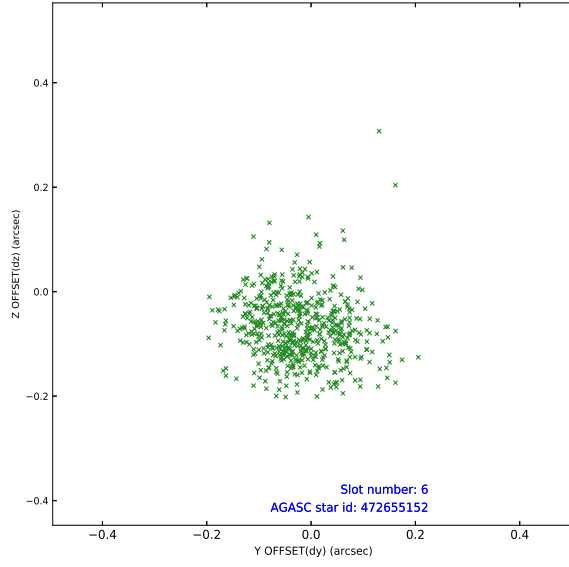
Time (s)



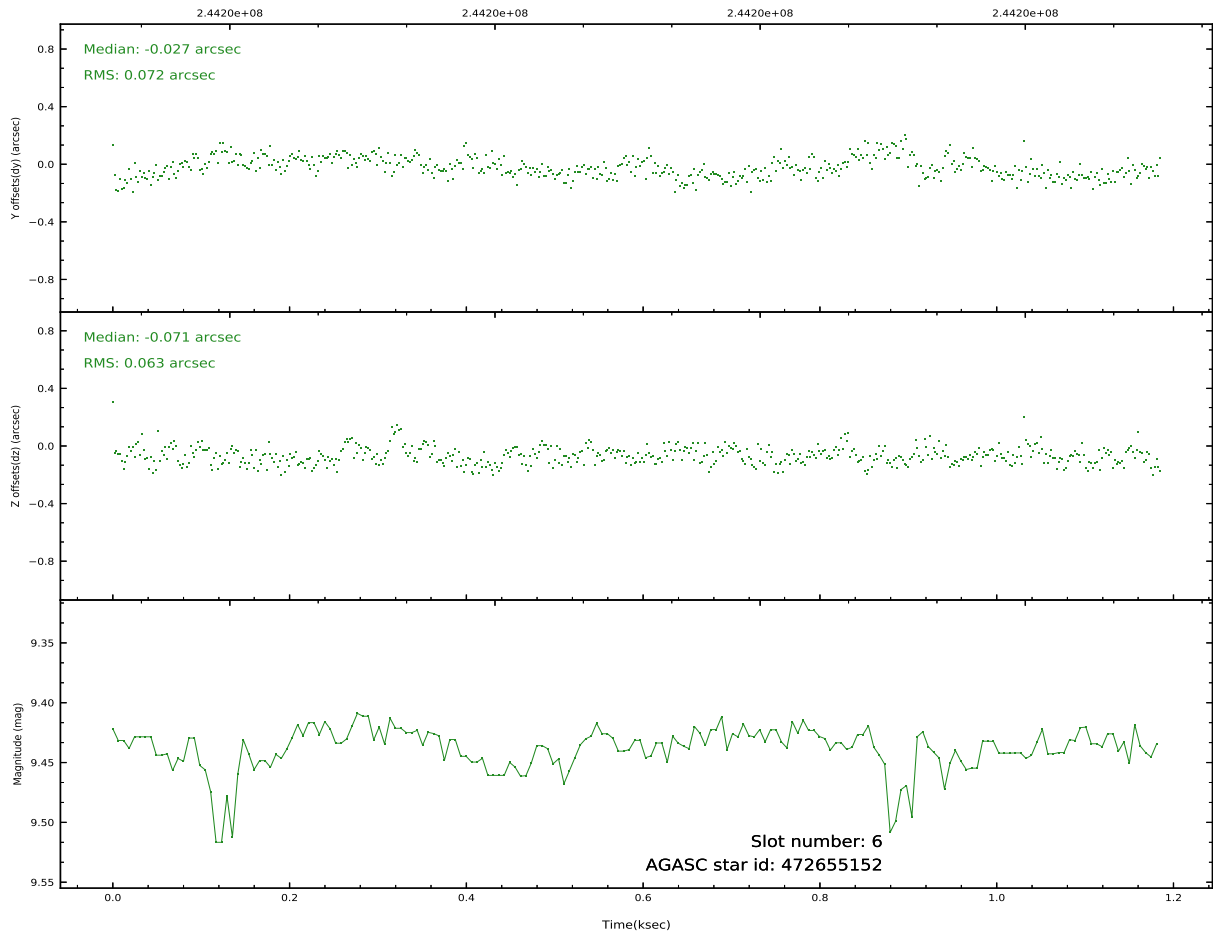
2.4.3 Slot 5



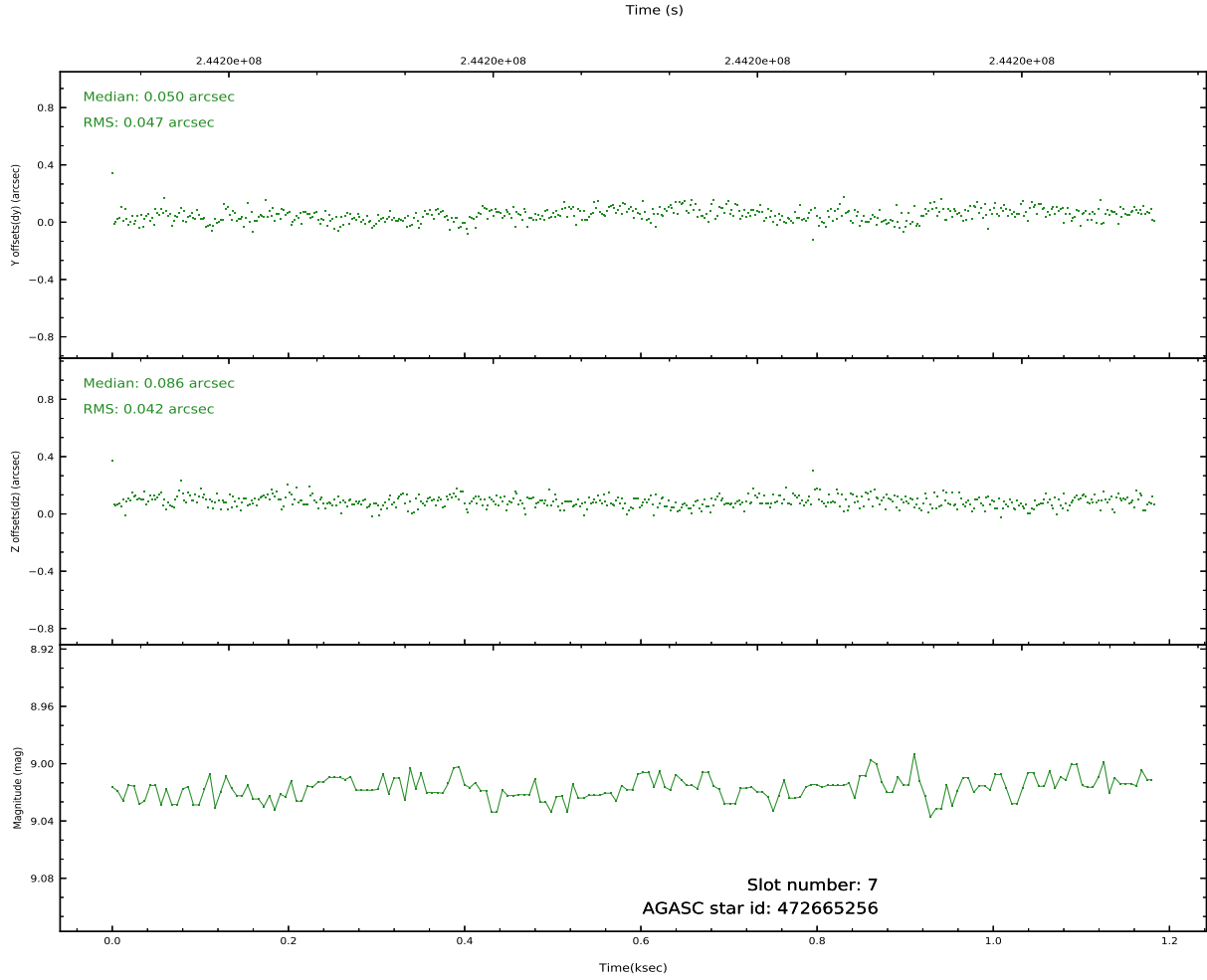
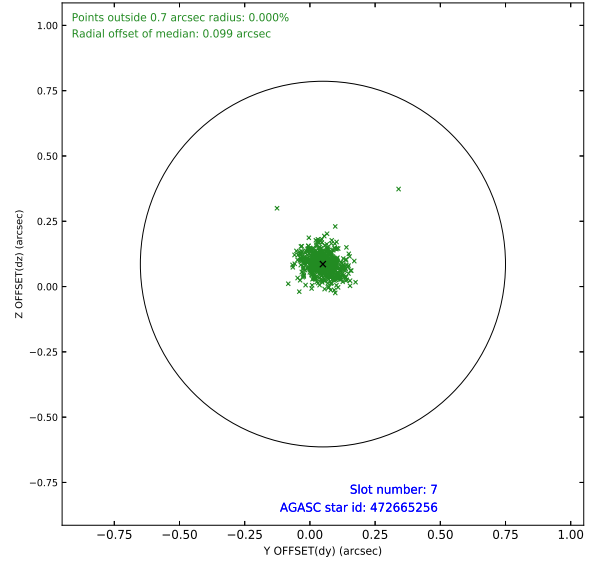
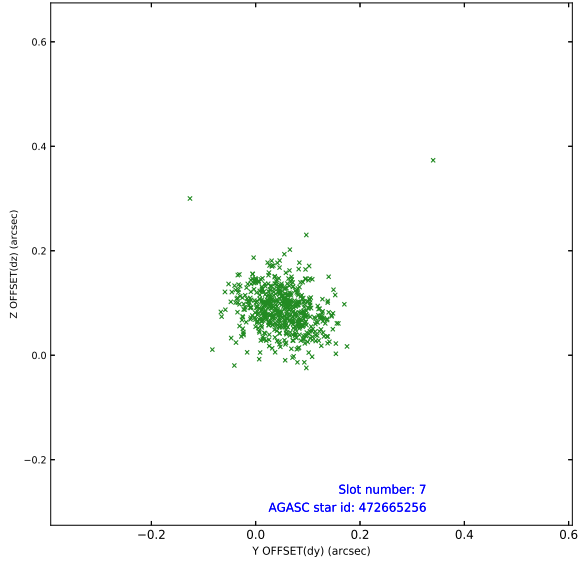
2.4.4 Slot 6



Time (s)

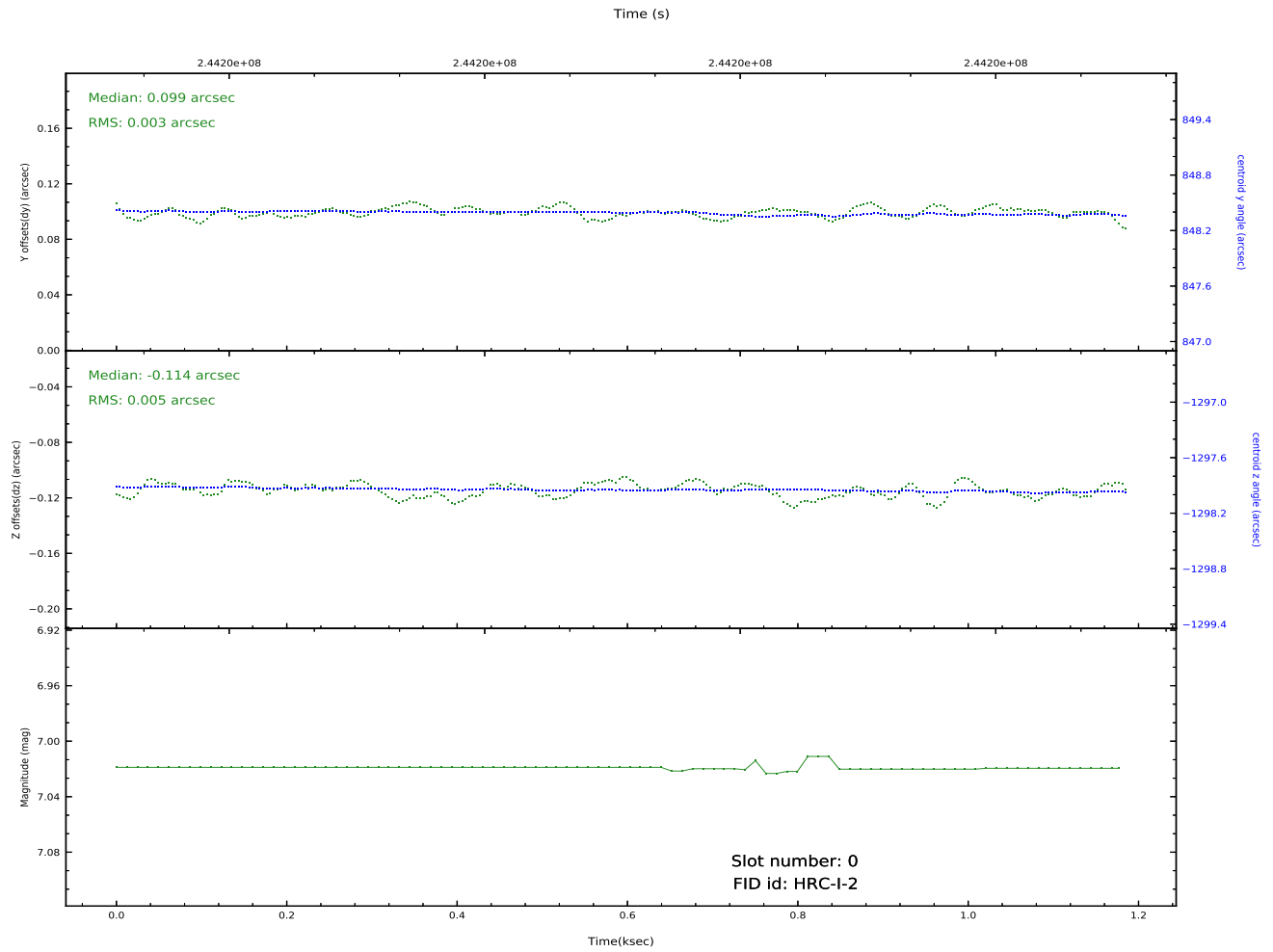
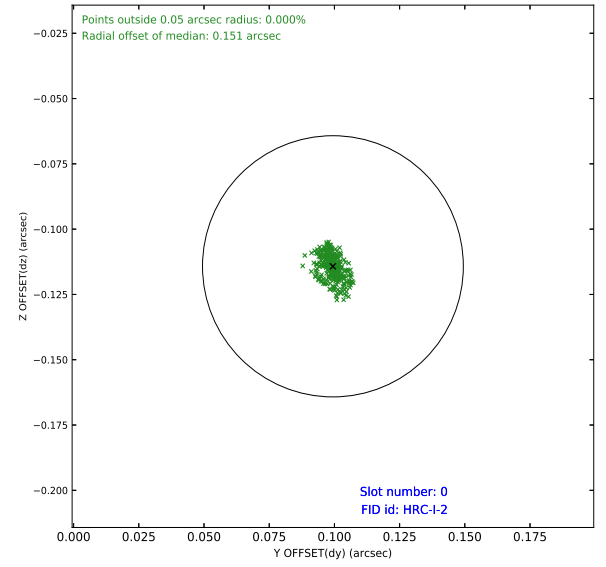
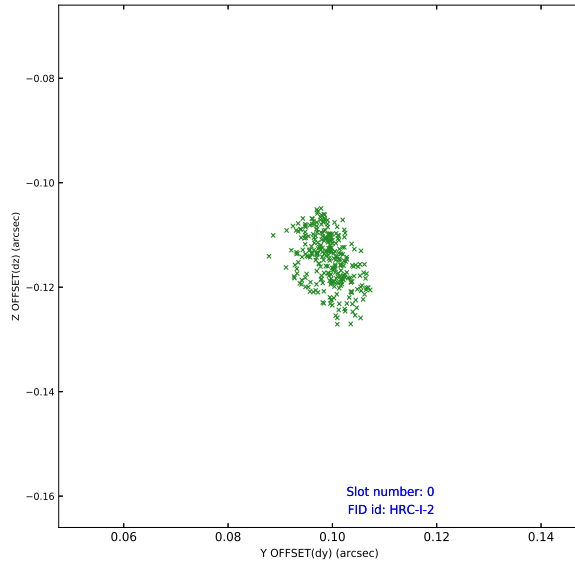


2.4.5 Slot 7

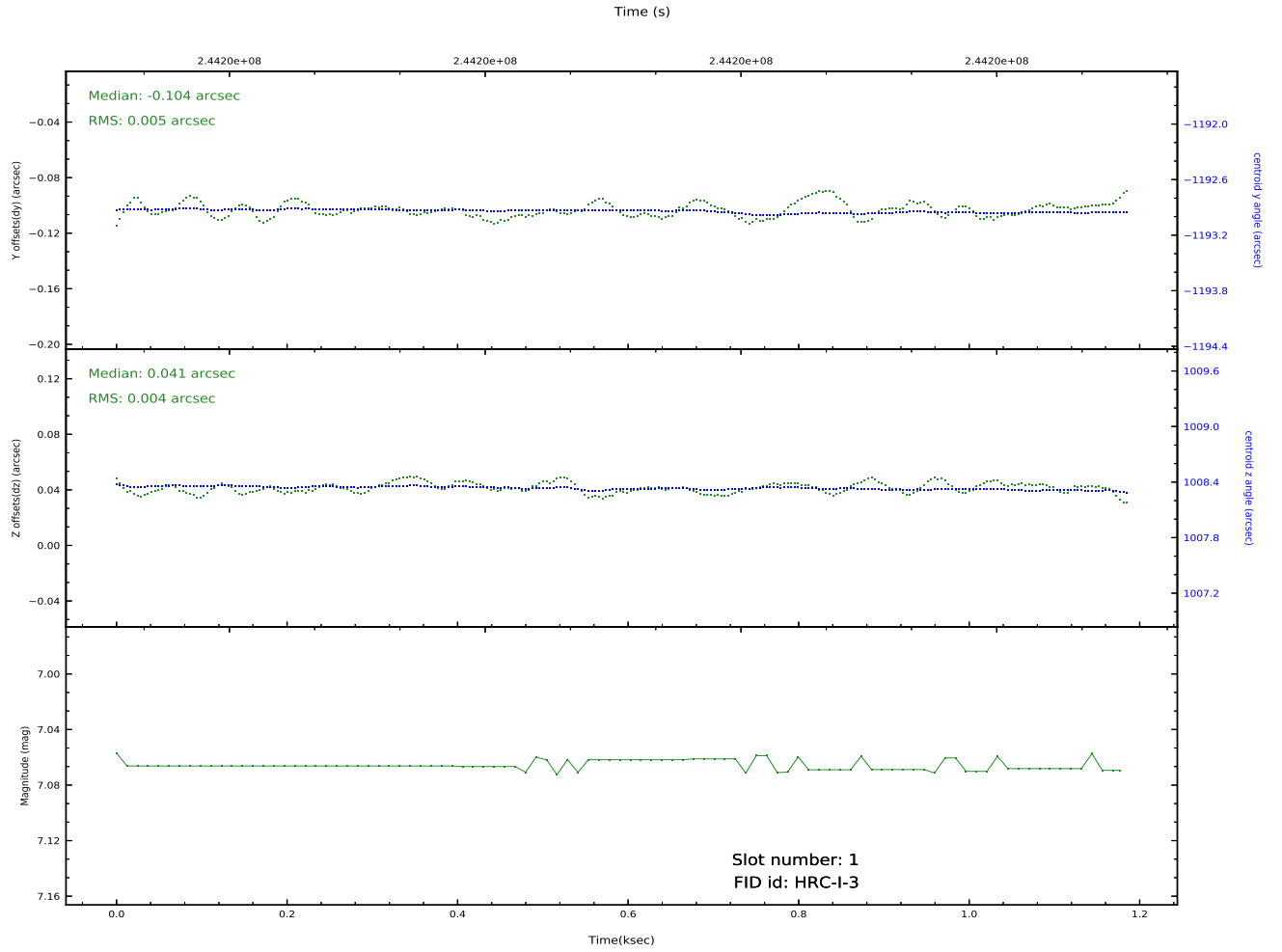
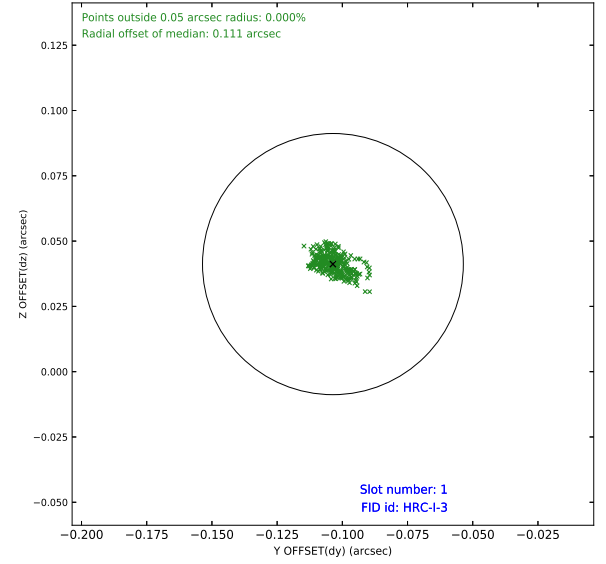
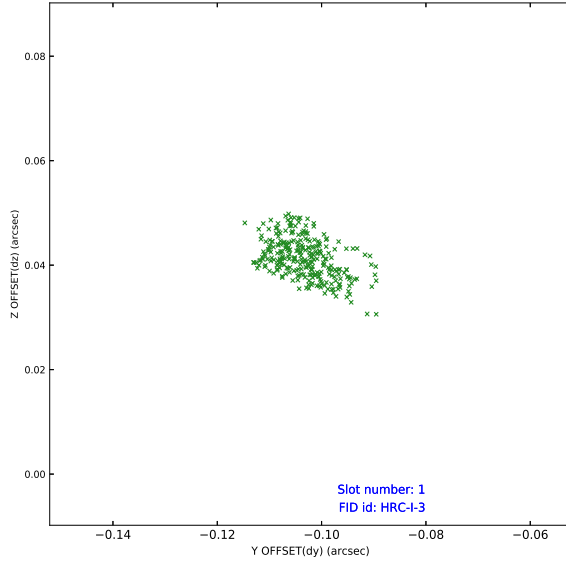


2.5 FID Slots

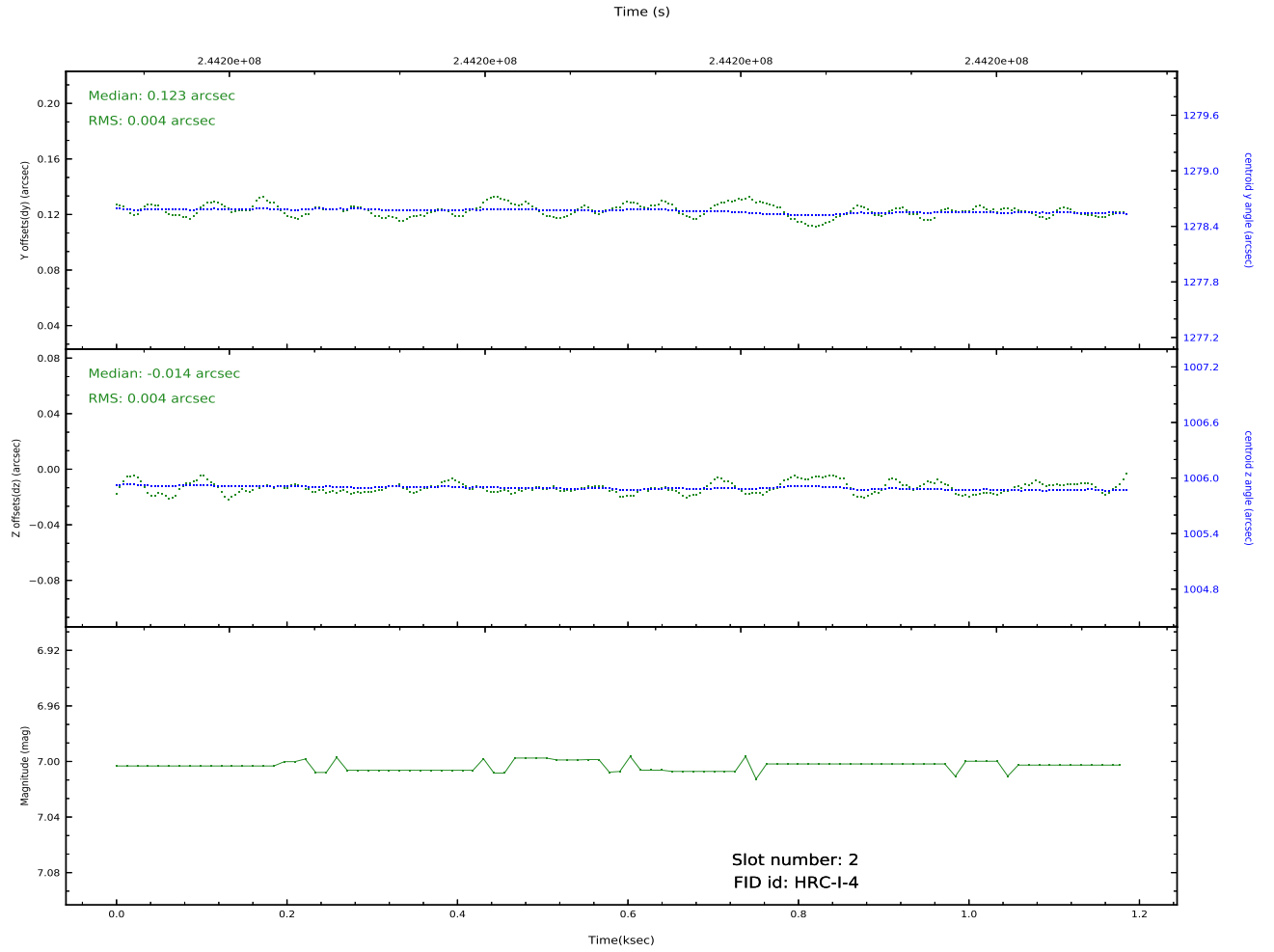
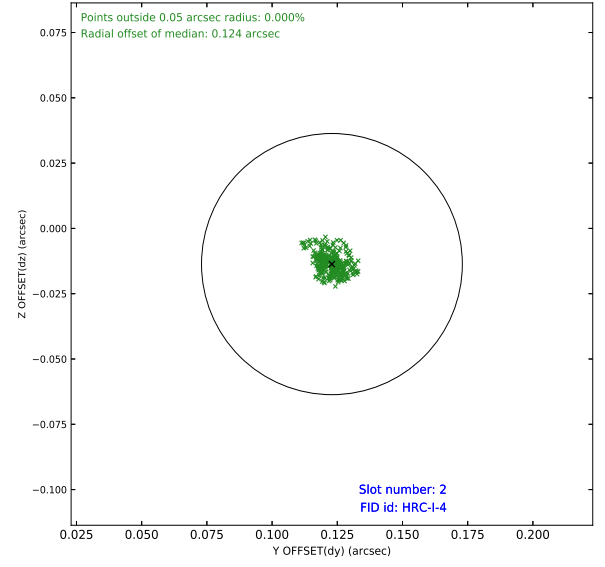
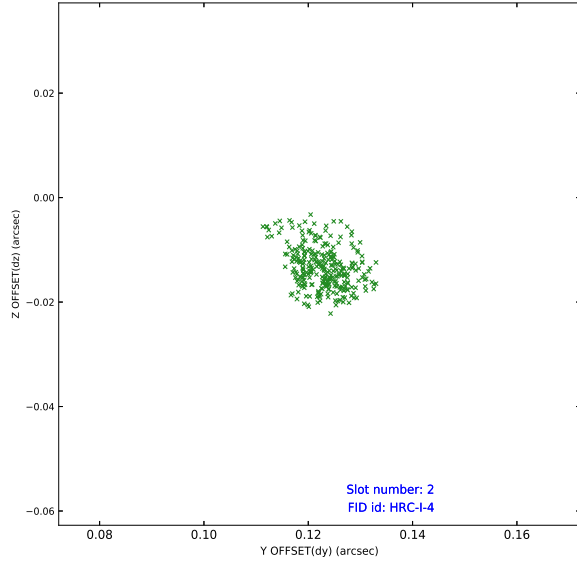
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	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	1.184131

A.2 Comments