

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6177 - L2 Version 5
Chandra X-Ray Center

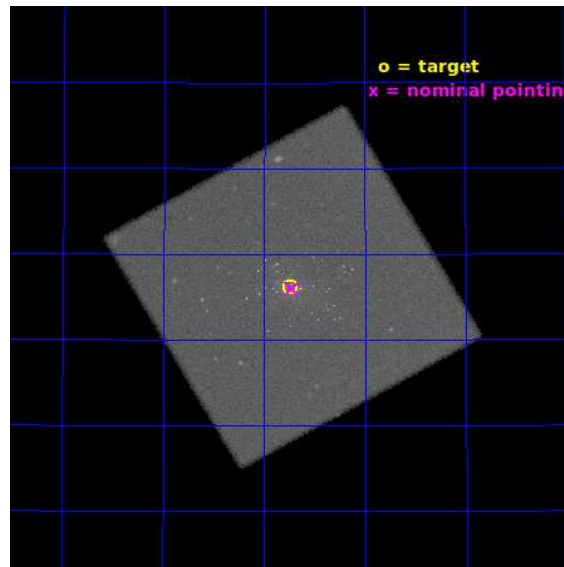
L2 Processing Date : Oct 5 2020

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1 Front

seq_num	600445	Sequence number
obs_id	6177	Observation id
title	M31* - The Nearest Extra-galactic SuperMassive Black Hole	Proposal
observer	Dr. Michael Garcia	Principal investigator
object	M31*	Source name
ra_targ	10.685	Observer's specified target RA [deg]
dec_targ	41.268972	Observer's specified target Dec [deg]
ra_nom	10.681151795581	Nominal RA [deg]
dec_nom	41.26613773917	Nominal Dec [deg]
roll_nom	285.25937660119	Nominal Roll [deg]
revision	5	Processing version of data
ontime	20187.632159561	[s]
livedtime	20037.994823935	Ontime multiplied by DTCOR
l2events	850721	Number of level 2 events

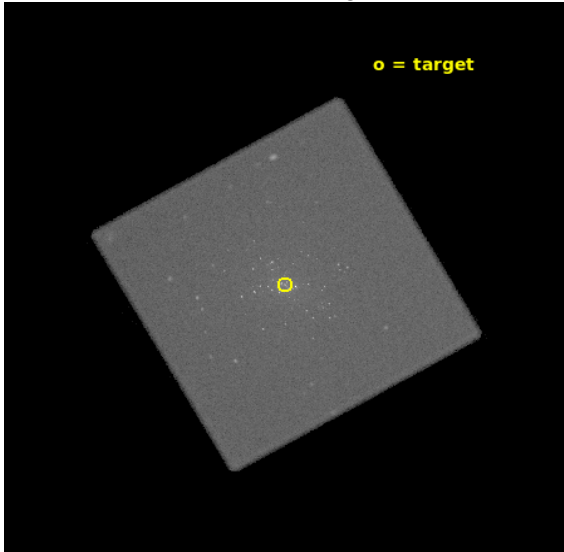


2 OBI

2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	20187.632159561	[s]
caldbver	4.9.2	 	l1events	1341824	Number of level 1 events
date	2020-10-05T19:15:53	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

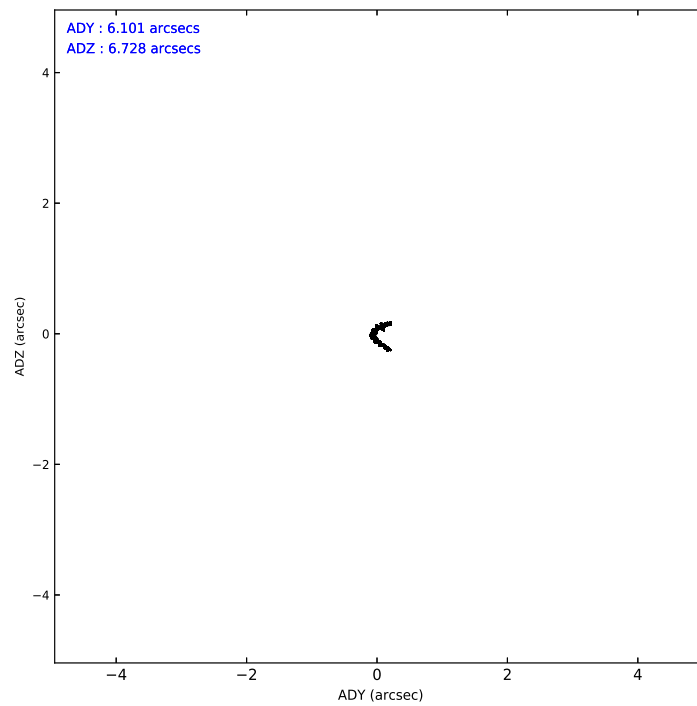
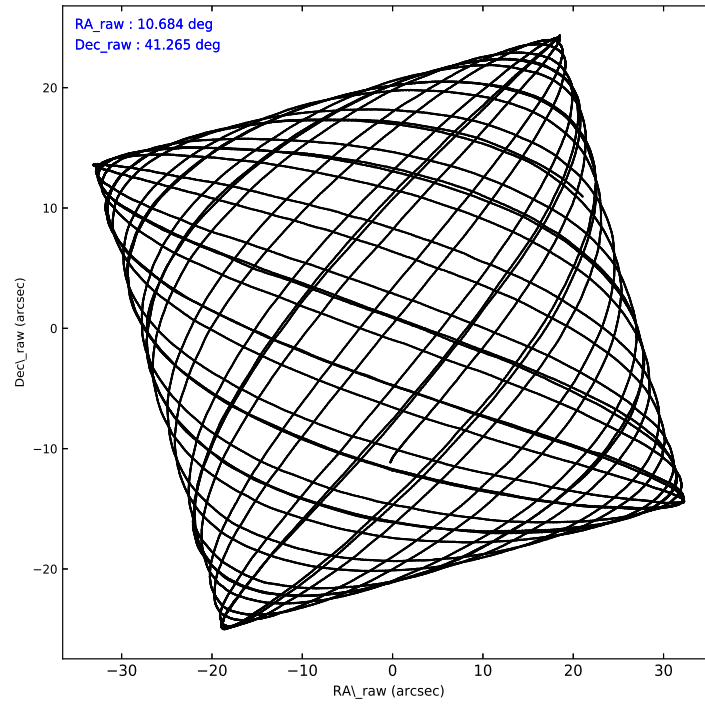
	segment 0
level 1 events	1341824
rejected events	101340
rejected %	7%

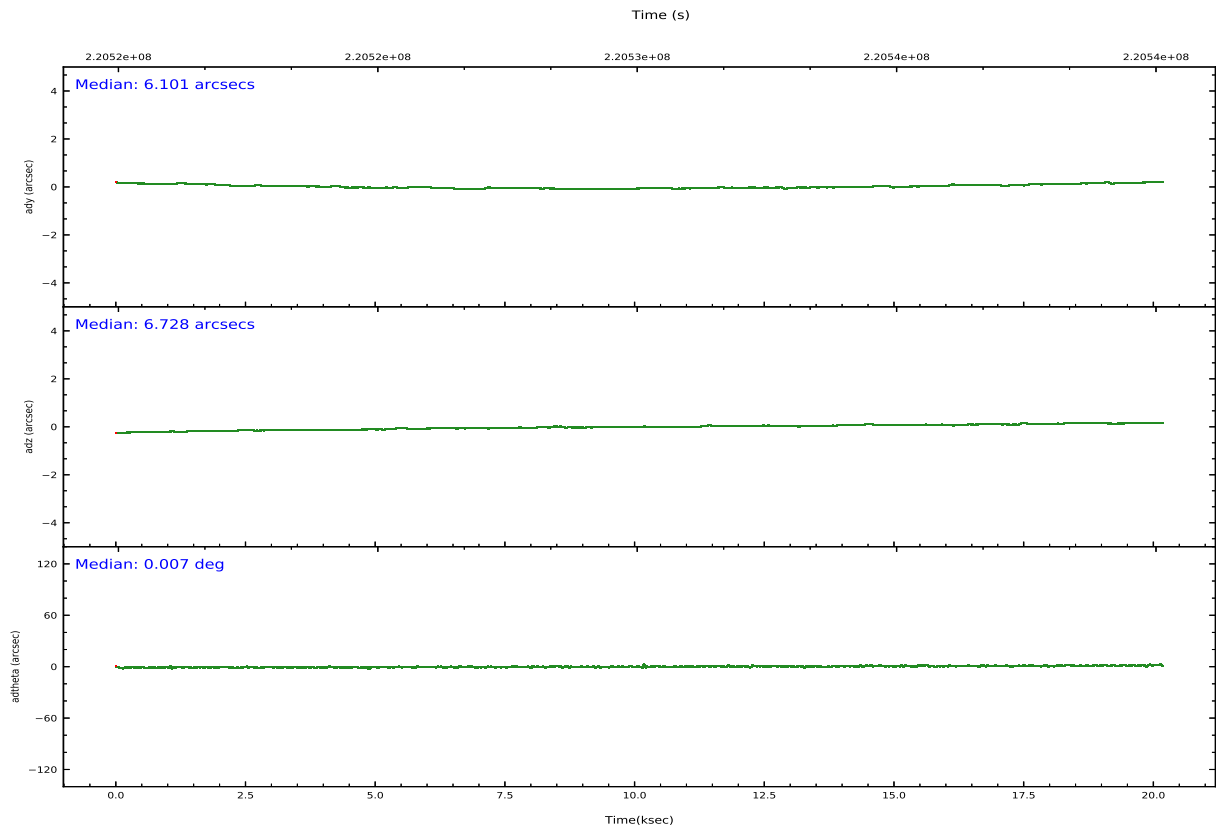
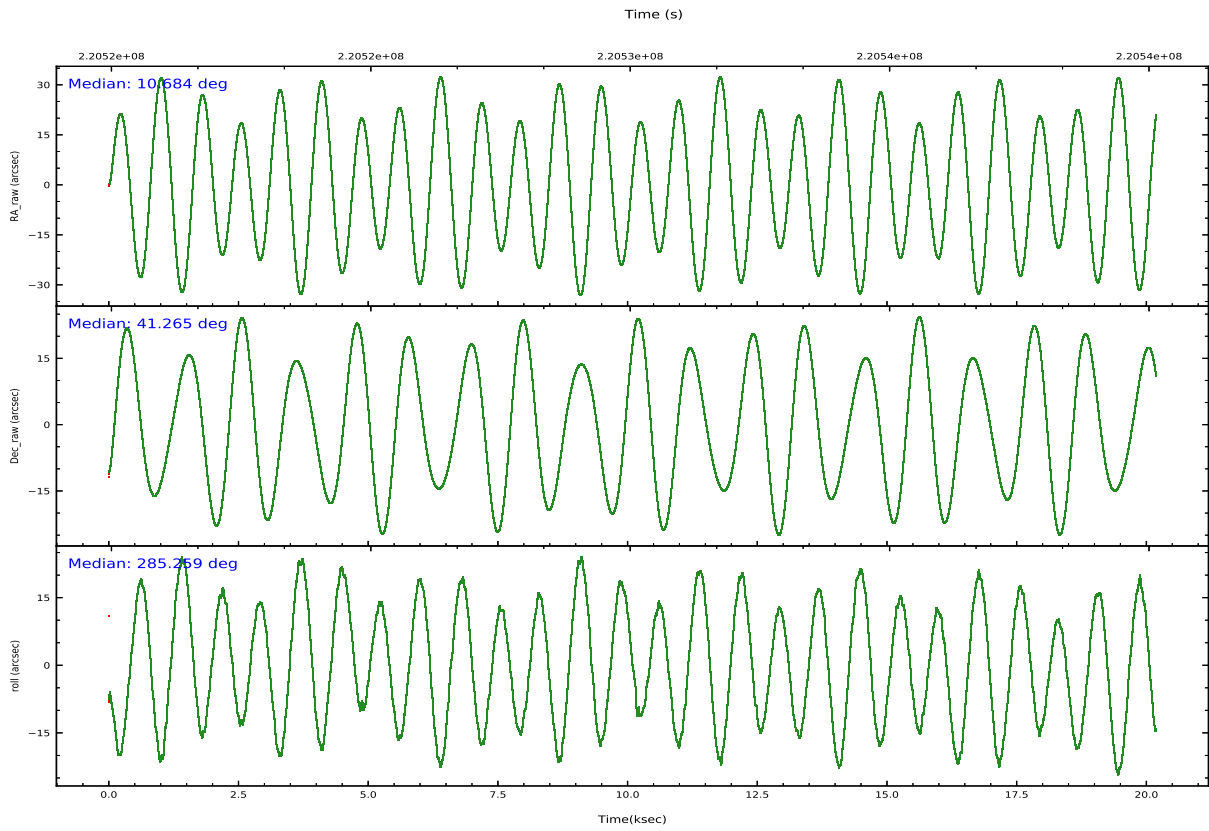
2.2 Compared Parameters

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	10.658077	10.681151795581
[deg] Pointing Dec	41.283463	41.26613773917
[deg] Pointing Roll	285.382902	285.25937660119
[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)	220520138.184000	220519157.86872
Observation start date	2004-12-27T07:34:34	2004-12-27T07:19:17
[s] Observation end time (MET)	220540138.184000	220540890.9447
Observation end date	2004-12-27T13:07:54	2004-12-27T13:21:30

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

2.3 Aspect





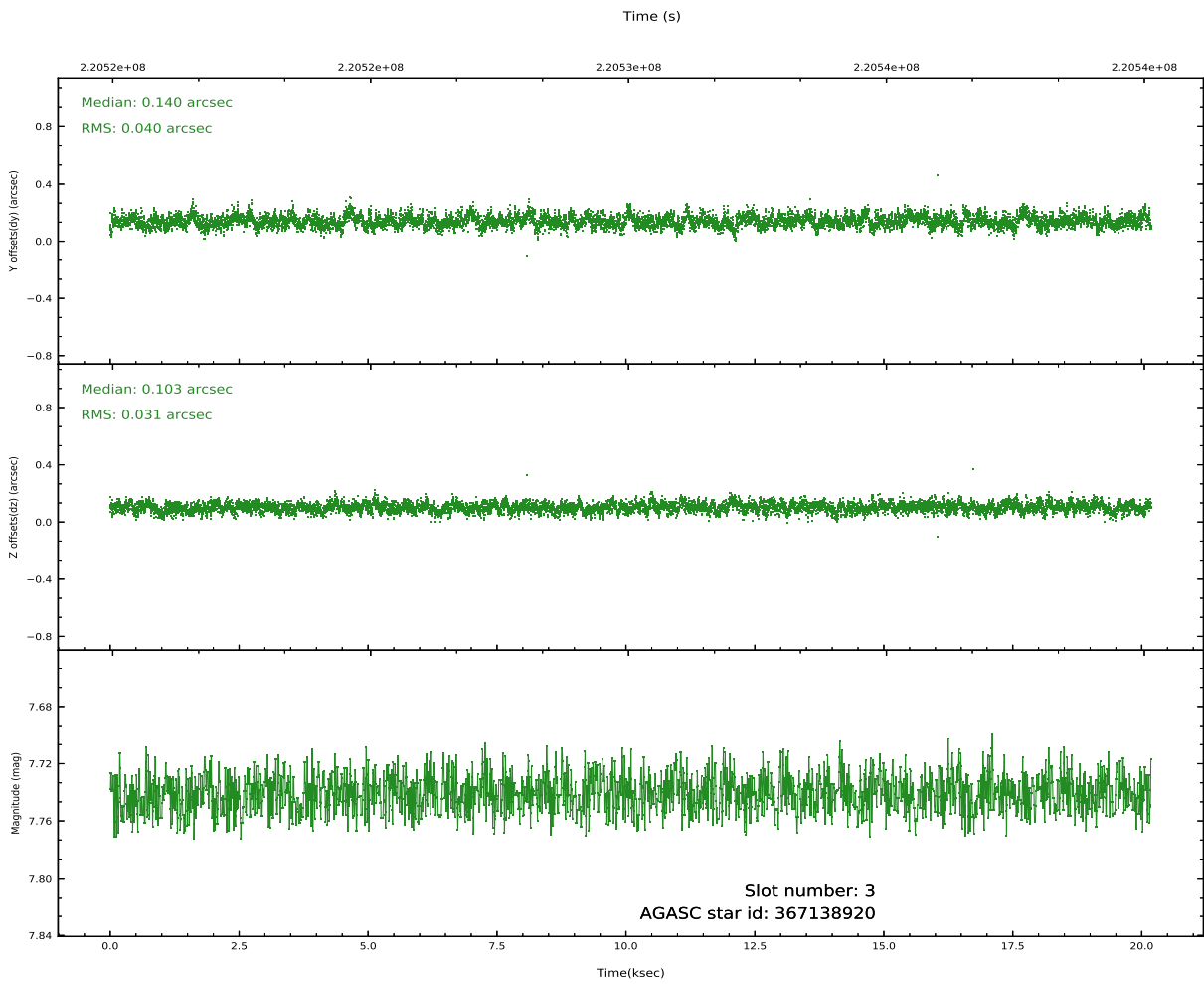
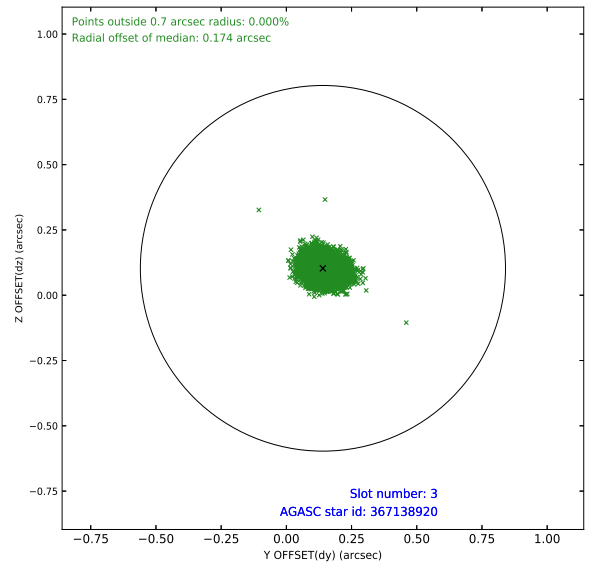
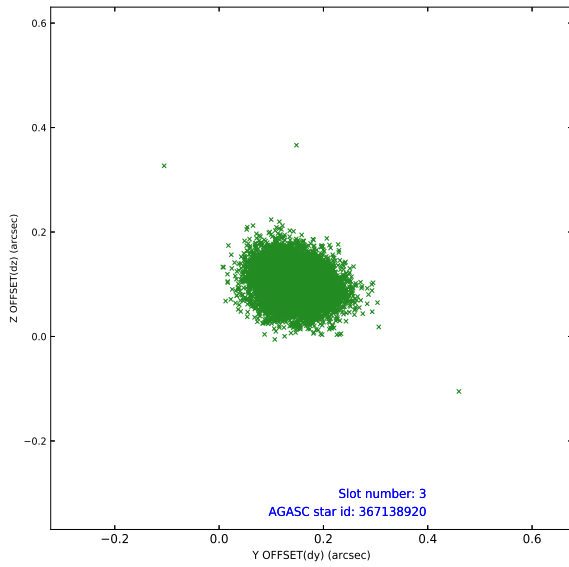
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.00	4925	1.000	-0.004	-0.036	0.008	0.013	0.000000	0.000000	-761.66	-1294
1	FID		HRC-I-2	7.04	4925	1.000	0.126	-0.079	0.008	0.016	0.000000	0.000000	850.94	-1296
2	FID		HRC-I-3	7.09	4925	1.000	-0.004	0.025	0.007	0.015	0.000000	0.000000	-1190.02	1009
3	GUIDE	used	367138920	7.74	9849	1.000	0.140	0.103	0.053	0.088	11.513485	40.808909	2255.43	1797
4	GUIDE	used	367146616	8.85	9847	1.000	0.020	0.065	0.089	0.144	11.418645	41.190163	862.36	1900
5	GUIDE	used	367148872	7.24	9848	1.000	0.043	-0.090	0.068	0.106	10.505940	40.688258	1956.44	-968
6	GUIDE	used	367658664	9.60	9843	1.000	-0.040	-0.008	0.110	0.179	10.374070	41.369746	-503.57	-657
7	GUIDE	used	367663272	9.29	9840	1.000	-0.165	-0.067	0.088	0.148	10.656279	41.699429	-1444.77	391

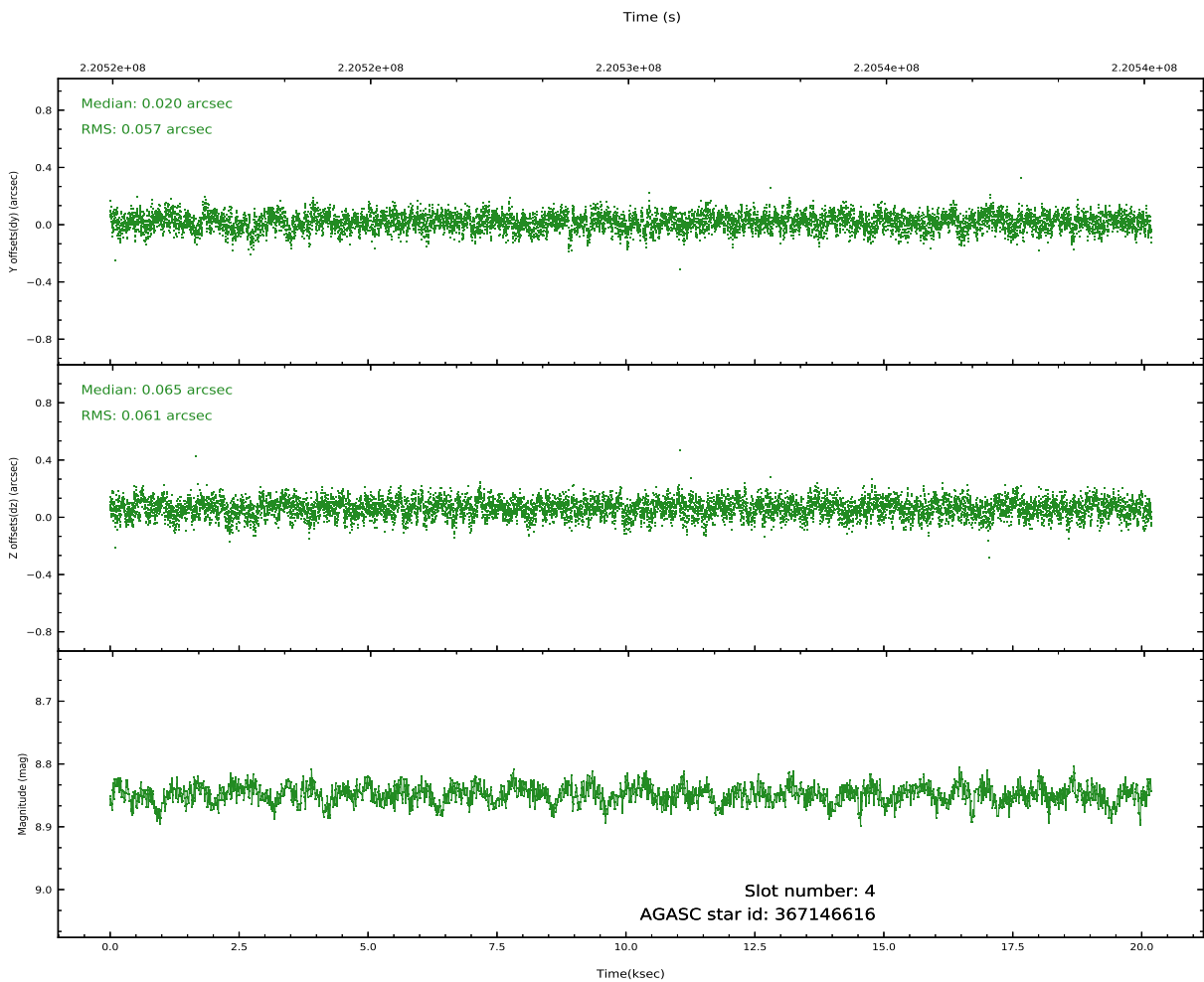
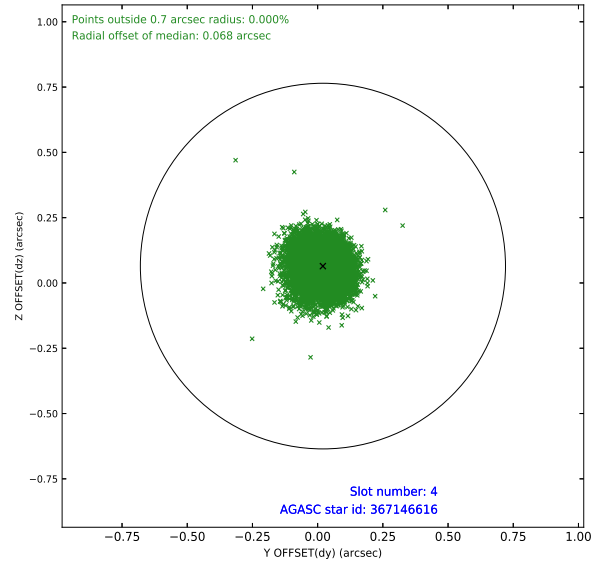
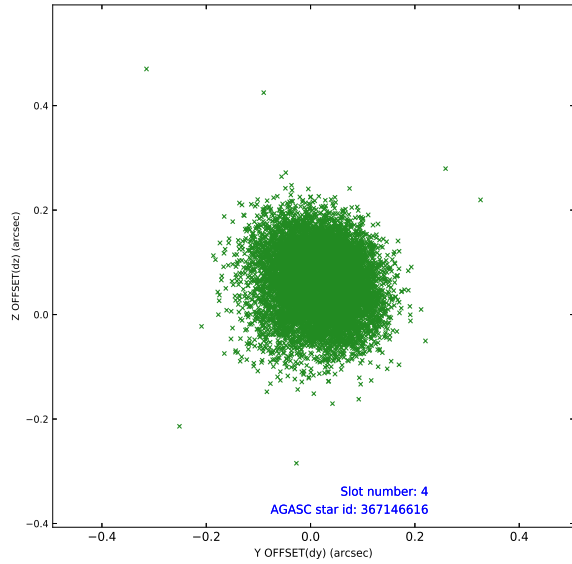
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2.4 Star Slots

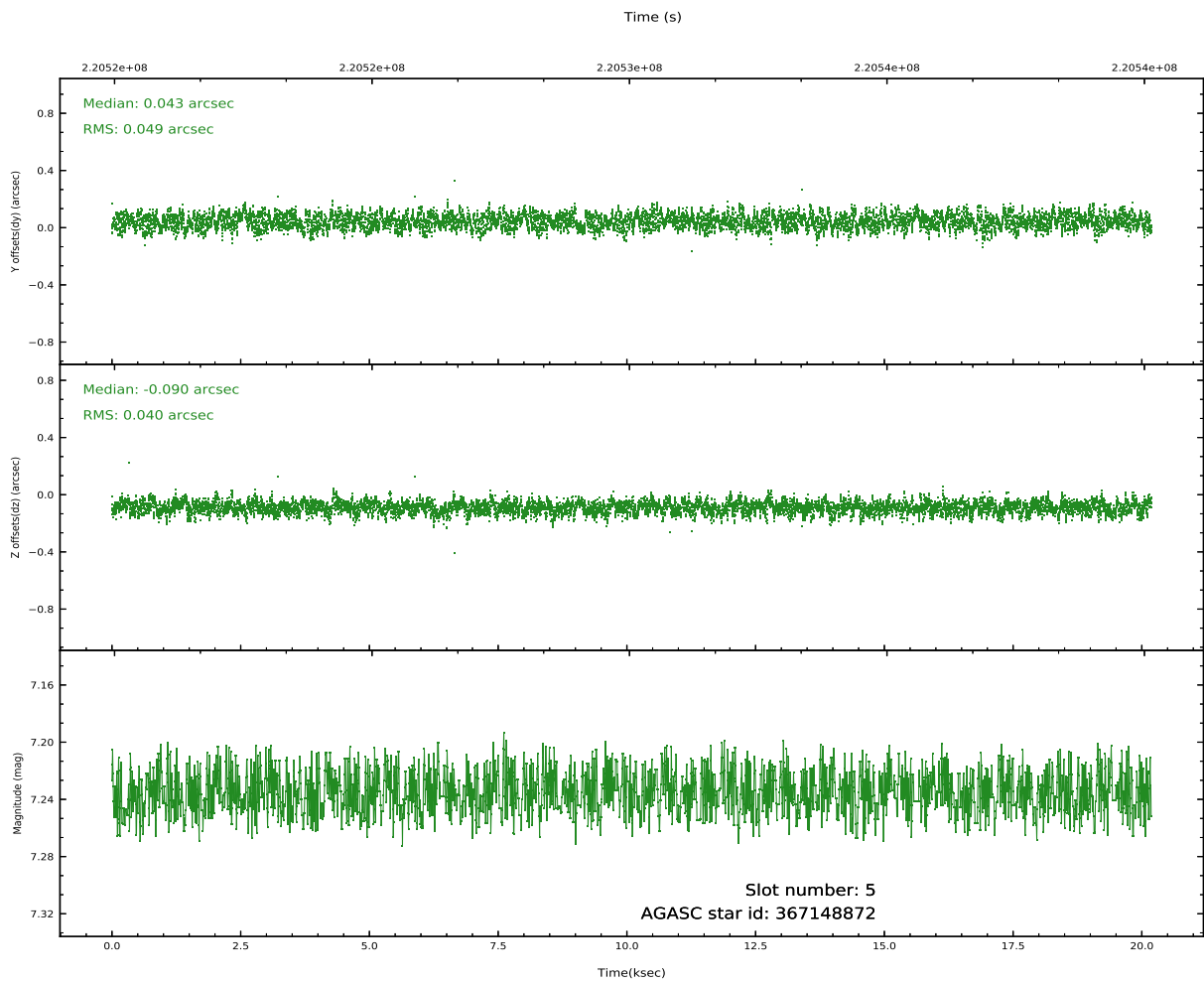
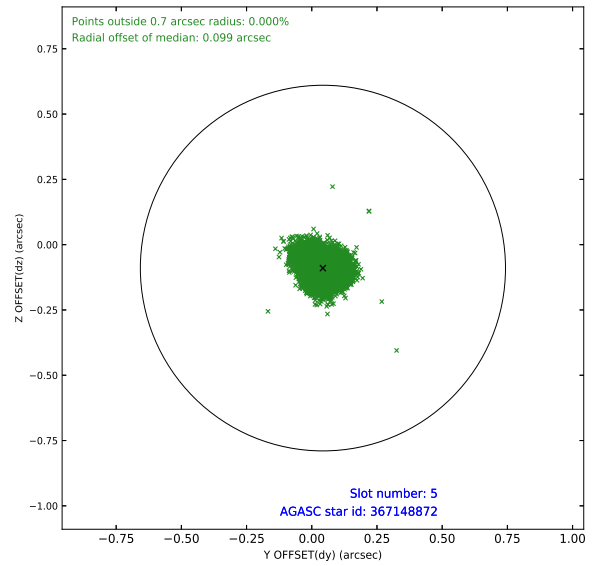
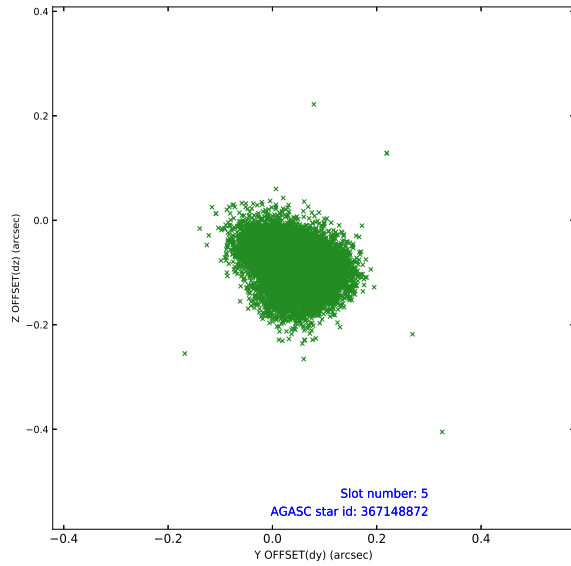
2.4.1 Slot 3



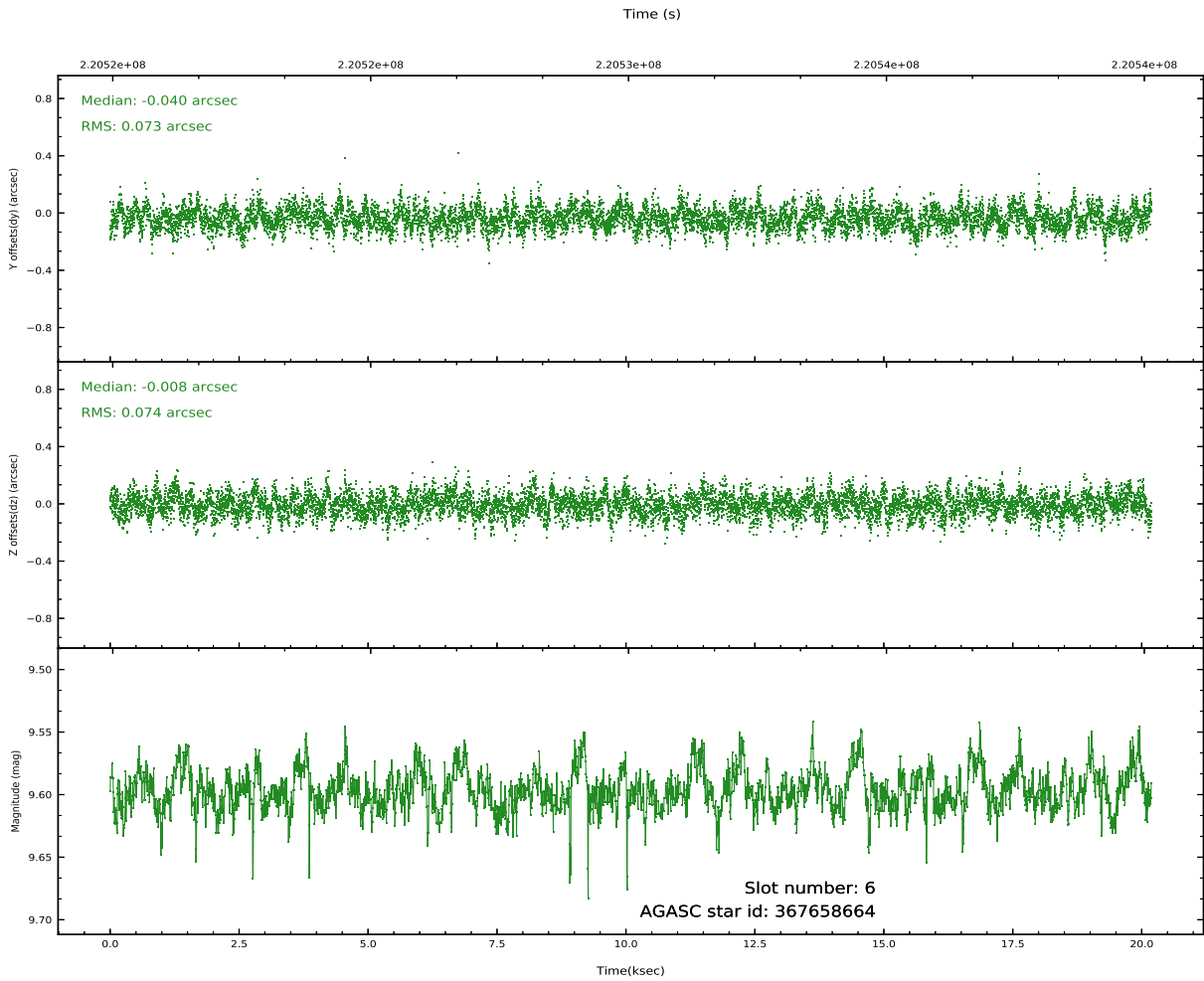
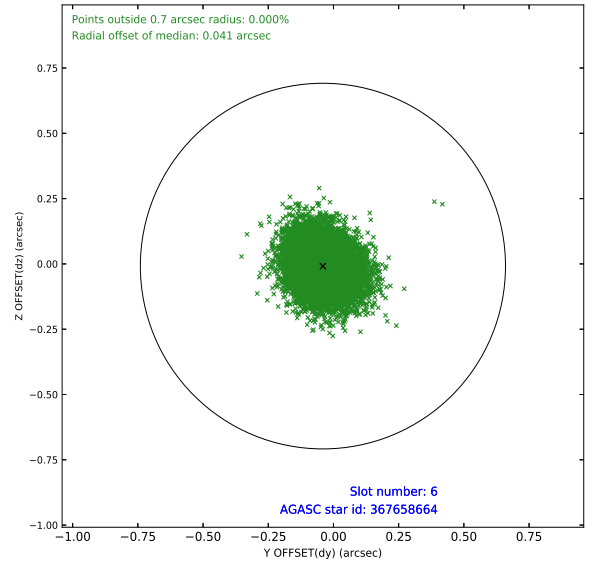
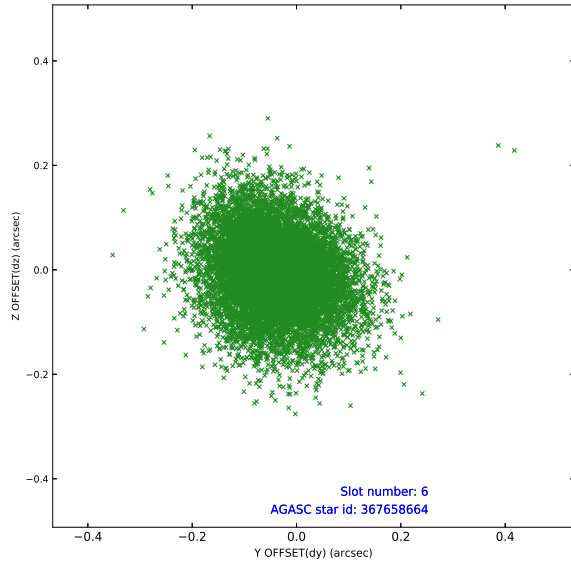
2.4.2 Slot 4



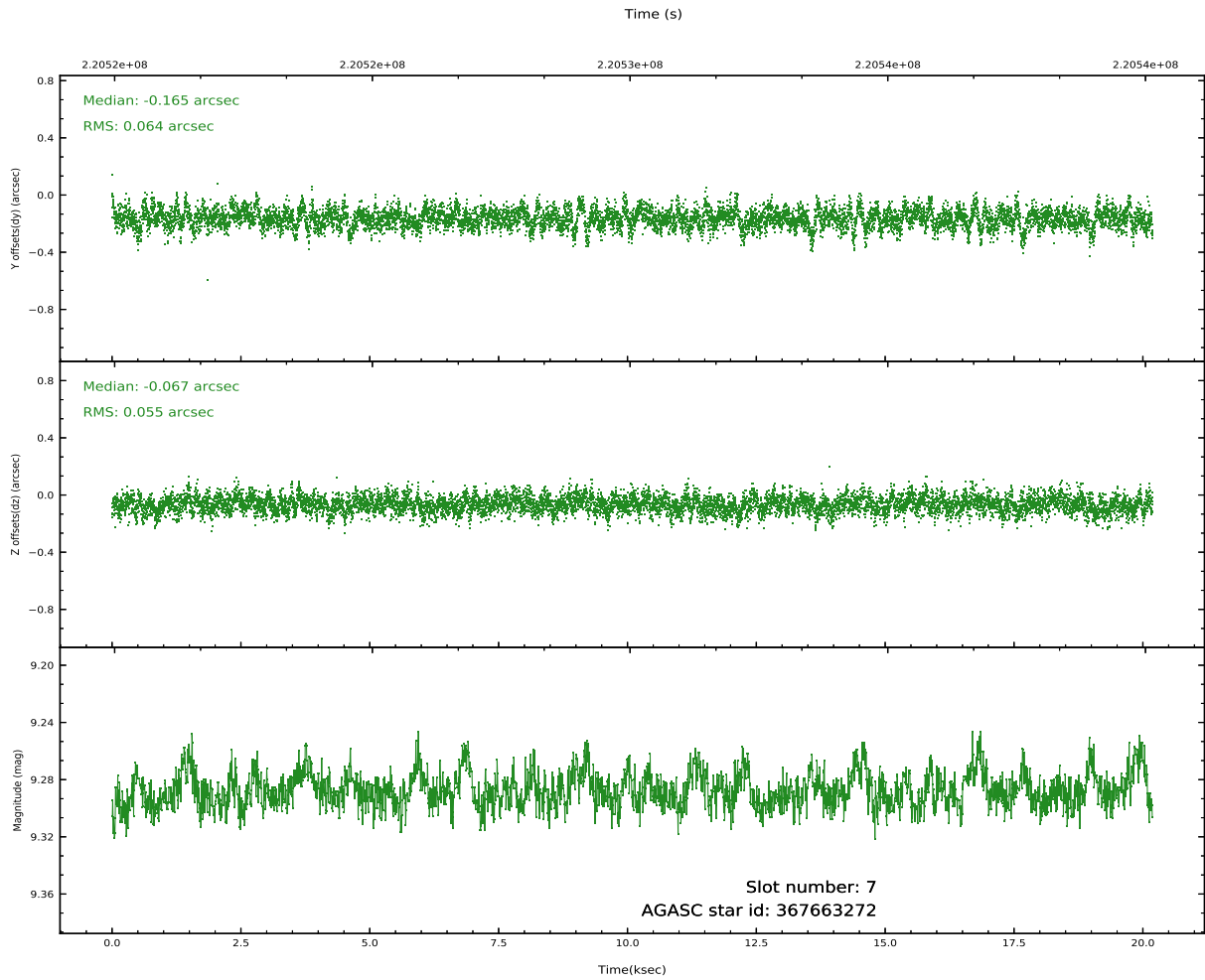
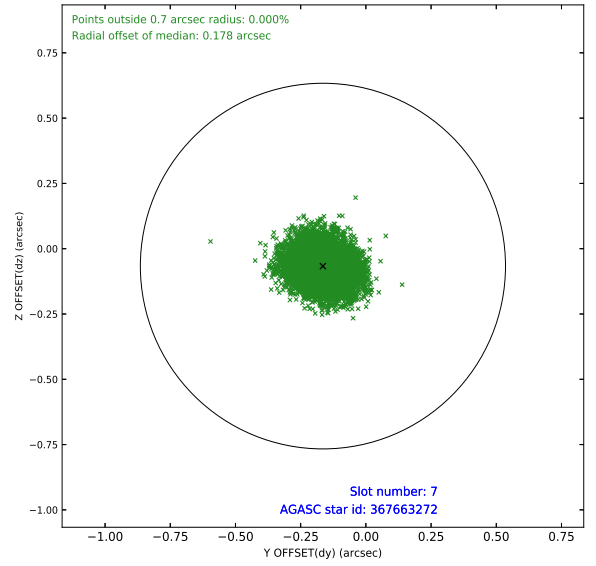
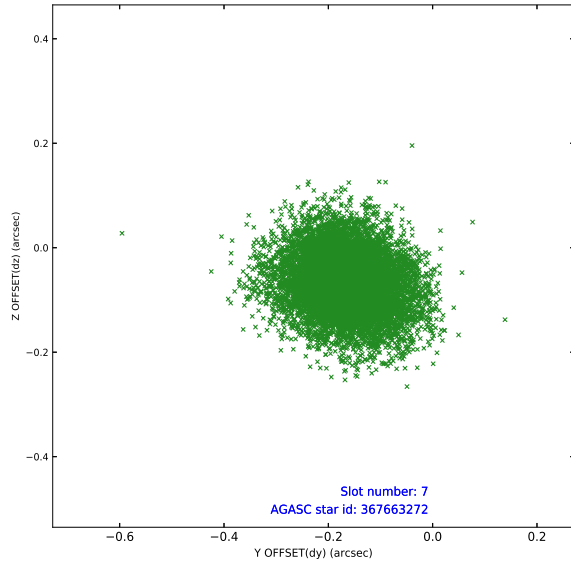
2.4.3 Slot 5



2.4.4 Slot 6

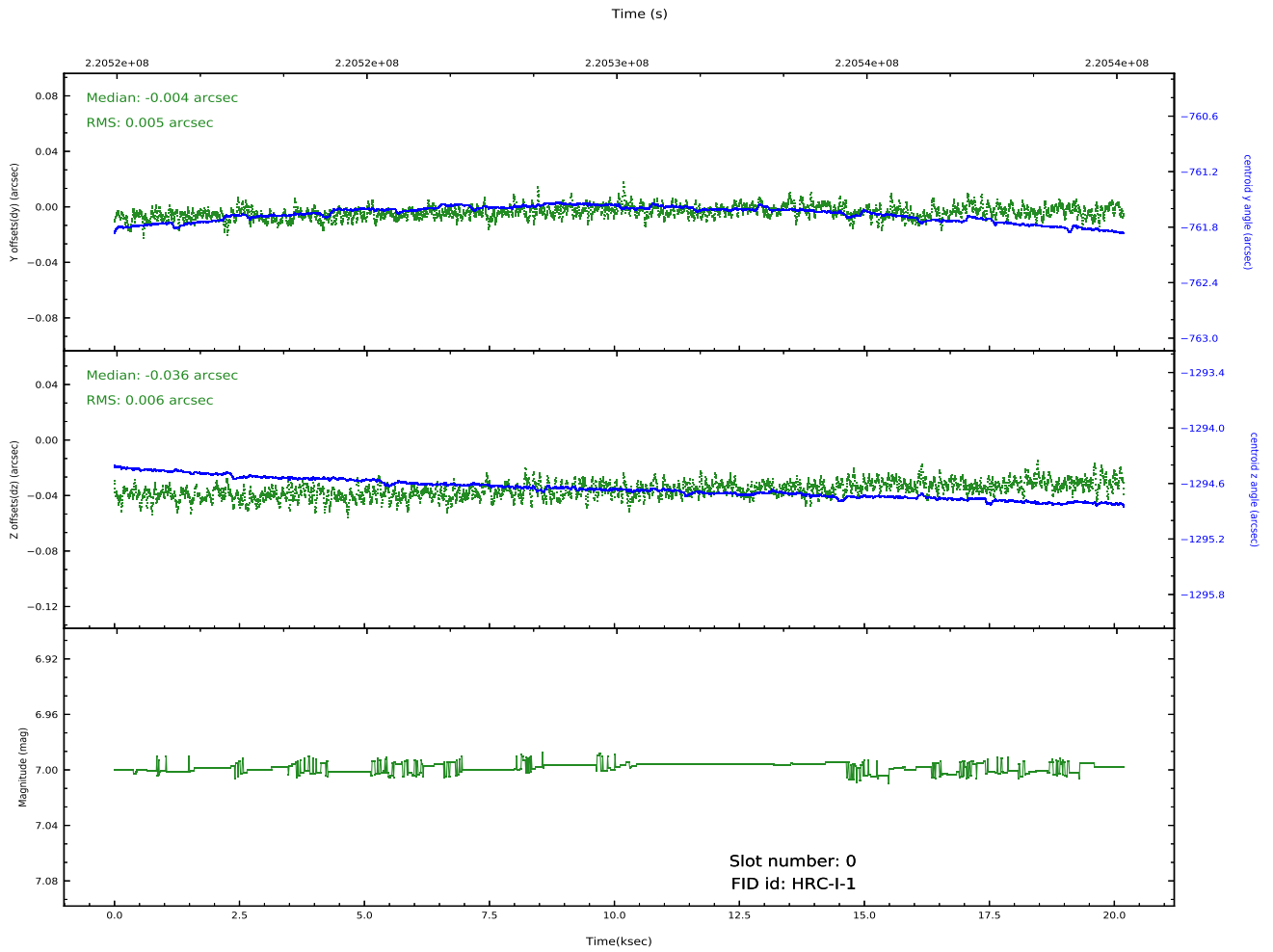
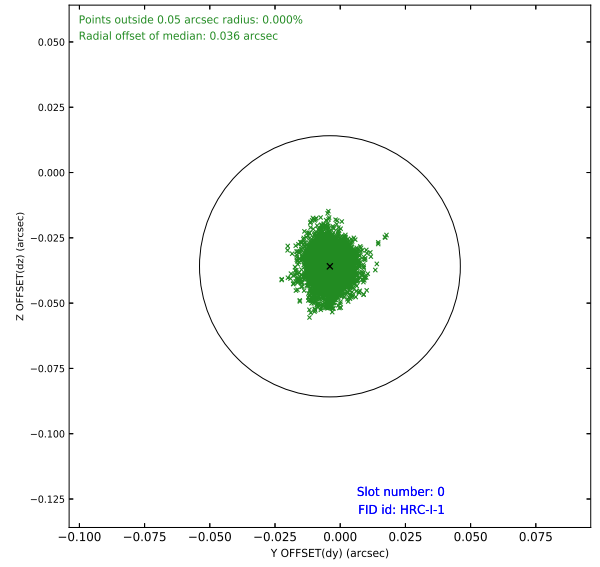
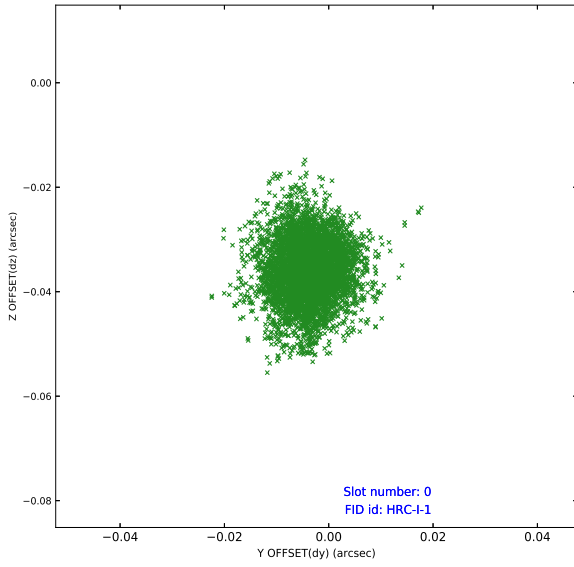


2.4.5 Slot 7

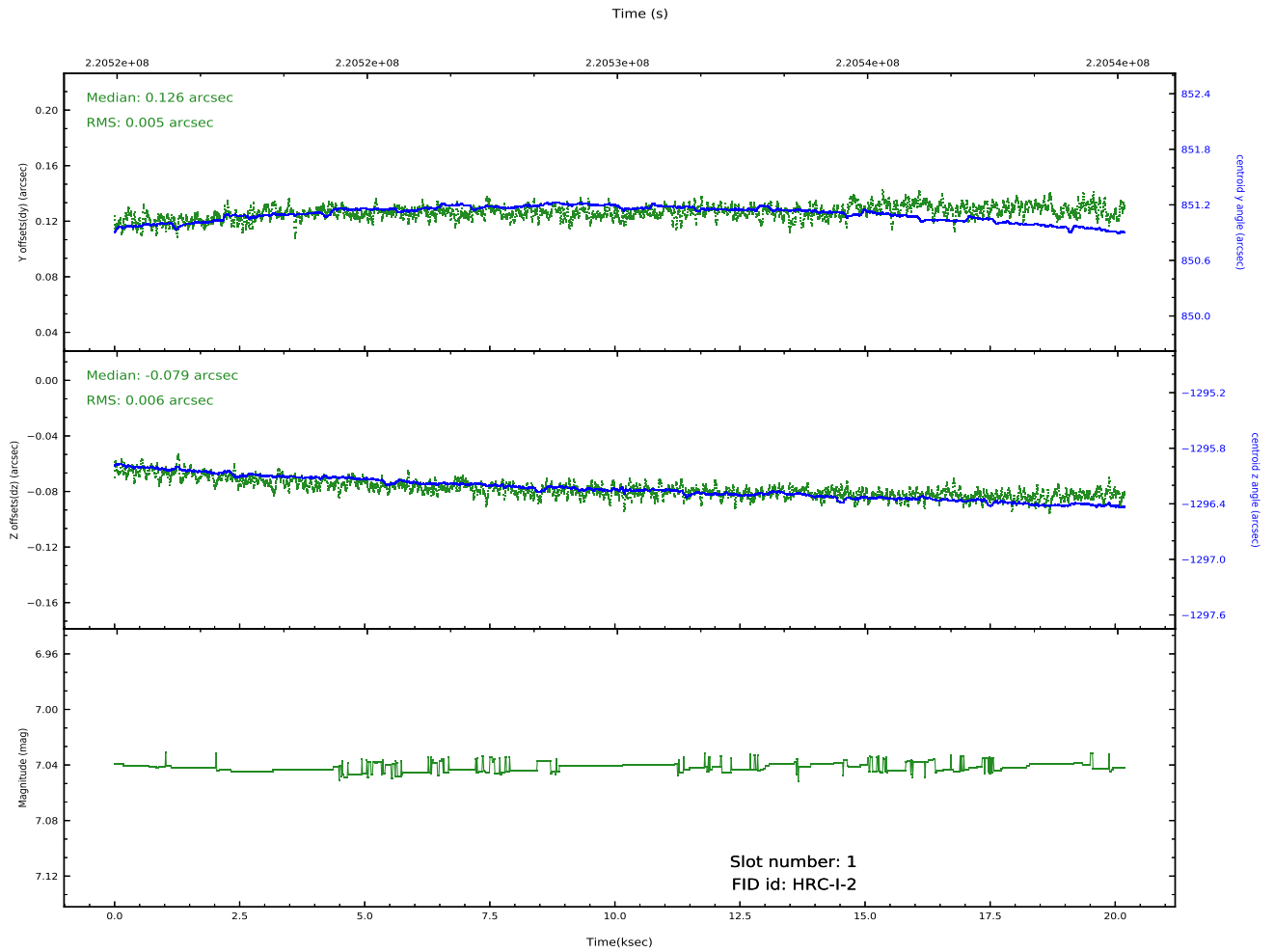
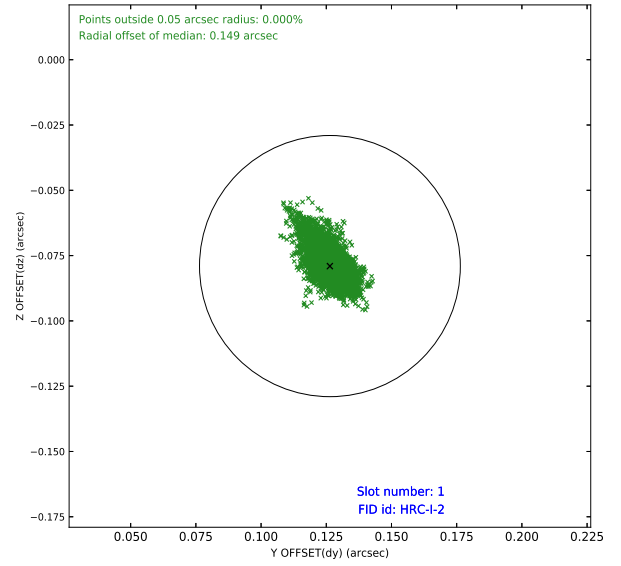
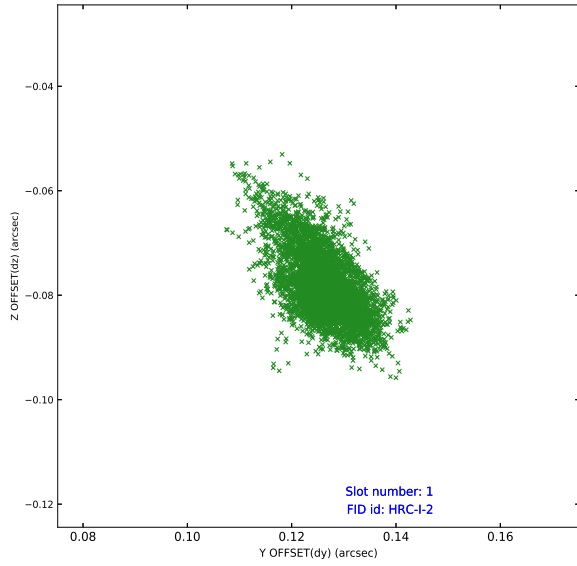


2.5 FID Slots

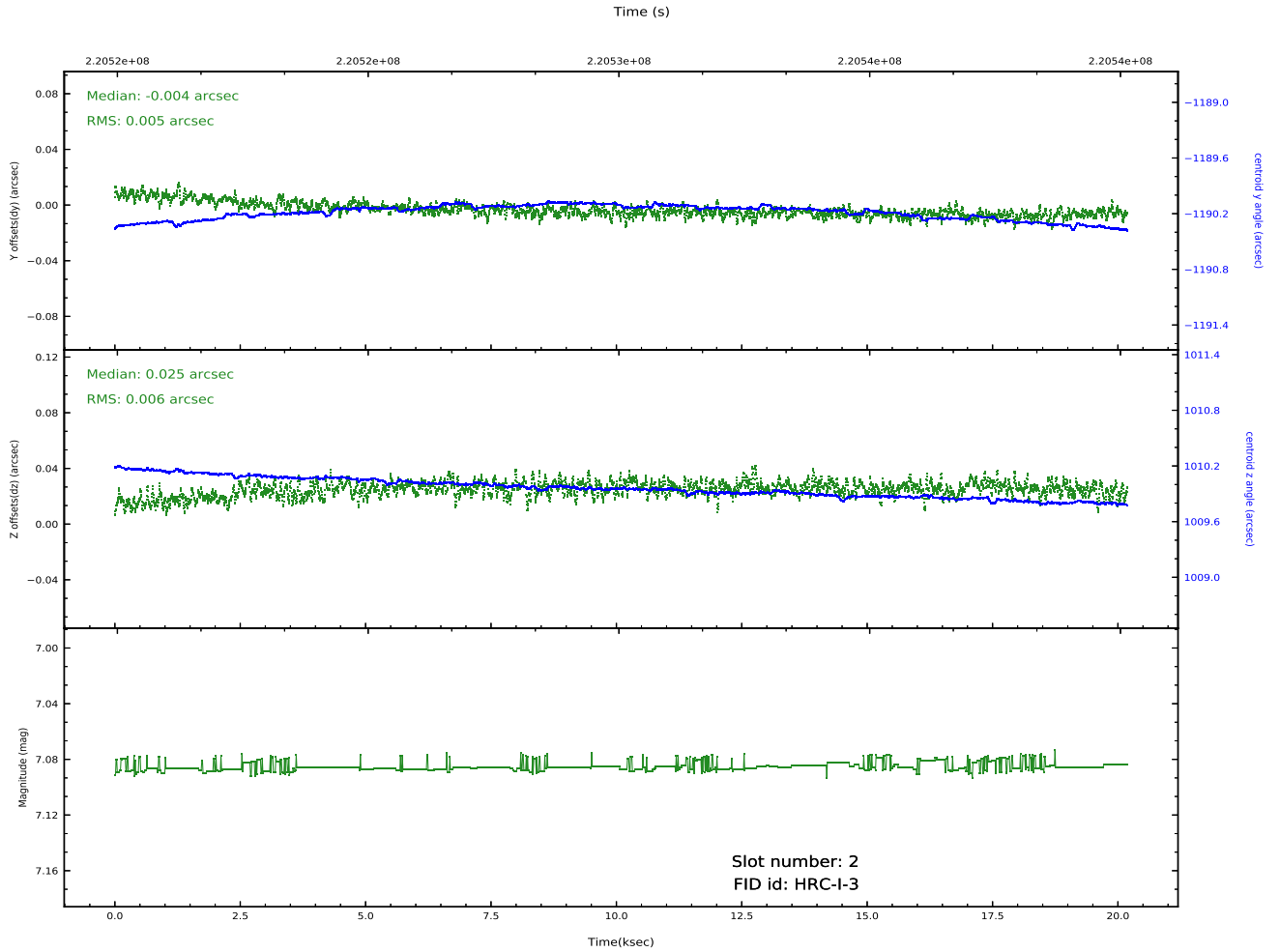
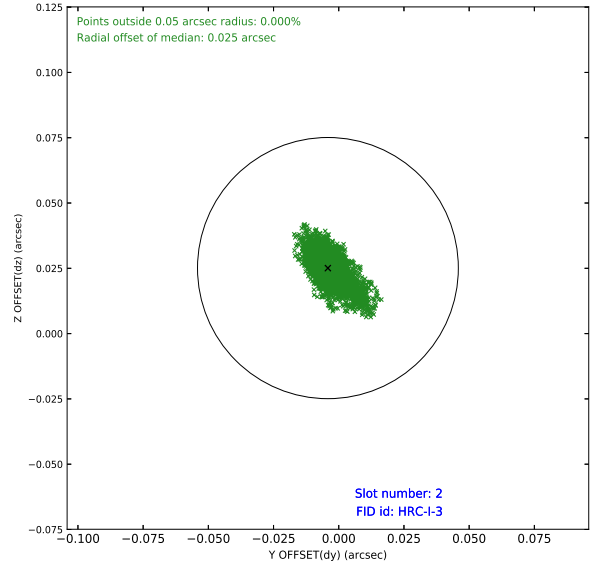
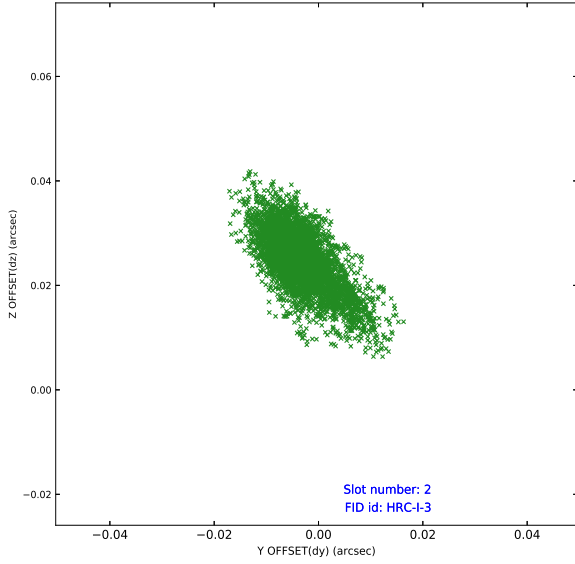
2.5.1 Slot 0



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)	2020.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.18763

A.2 Comments

Joint Proposal: NRAO