

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 6202 - L2 Version 5
Chandra X-Ray Center

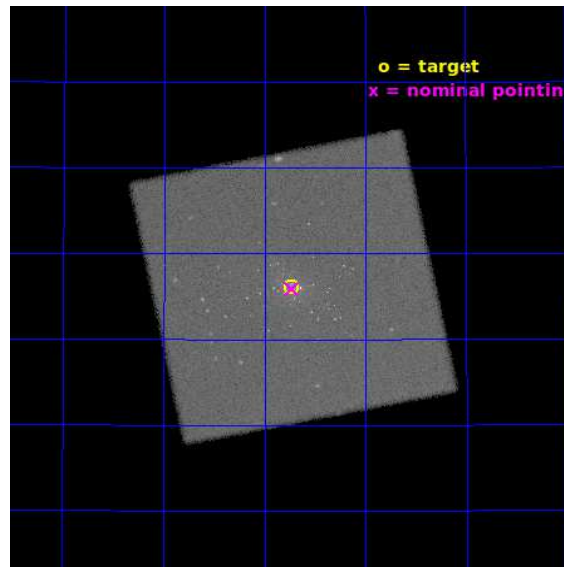
L2 Processing Date : Oct 6 2020

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1 Front

seq_num	600446	Sequence number
obs_id	6202	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	10.682179604063	Nominal RA [deg]
dec_nom	41.265341995337	Nominal Dec [deg]
roll_nom	303.48640860663	Nominal Roll [deg]
revision	5	Processing version of data
ontime	18170.432071477	[s]
livetime	18045.709816177	Overtime multiplied by DTCOR
l2events	702804	Number of level 2 events

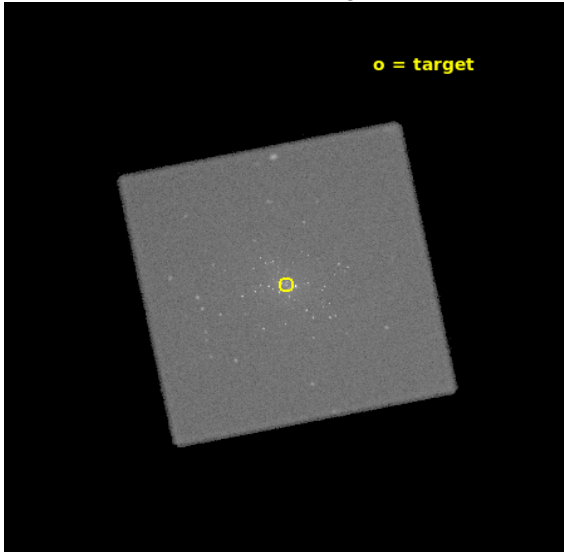


2 OBI

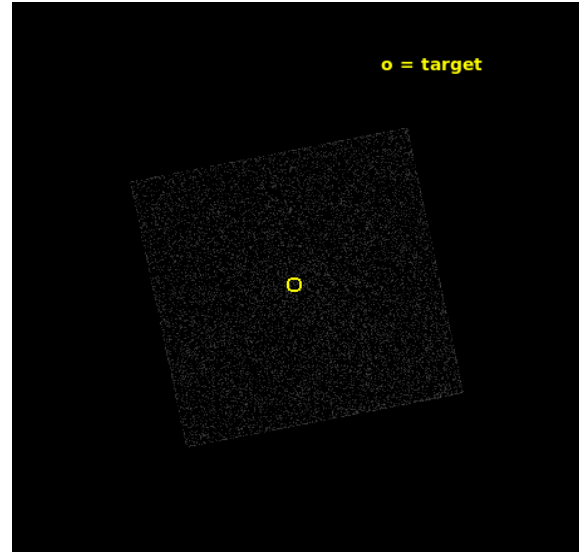
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	18170.432071477	[s]
caldbver	4.9.2	 	l1events	1117660	Number of level 1 events
date	2020-10-06T09:24:39	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

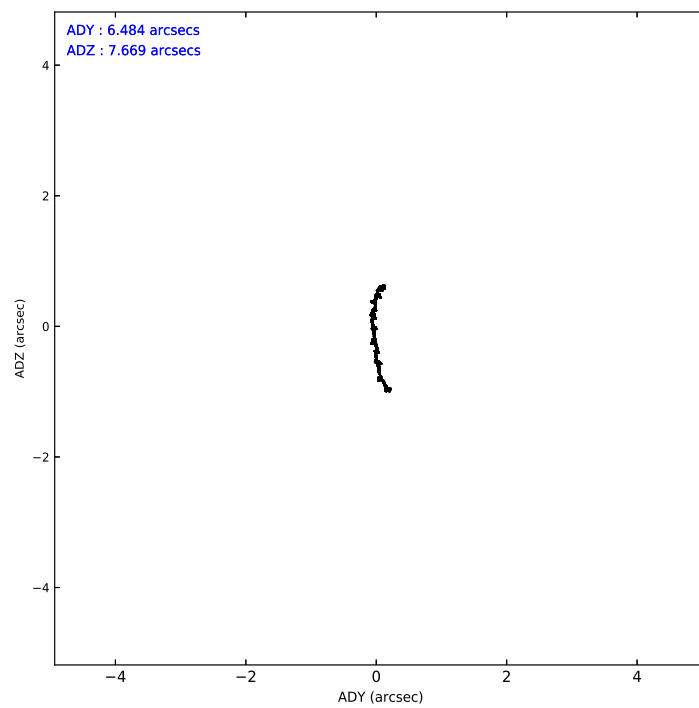
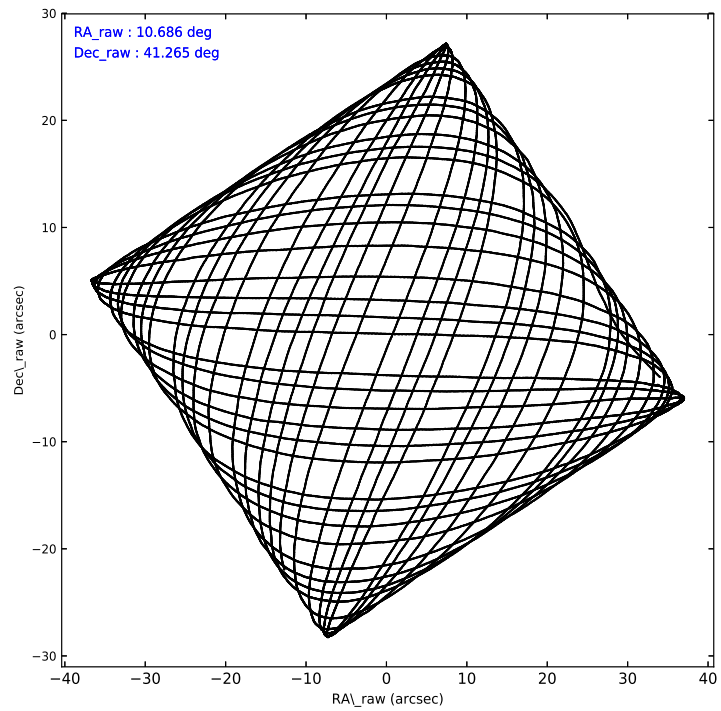
	segment 0
level 1 events	1117660
rejected events	97821
rejected %	8%

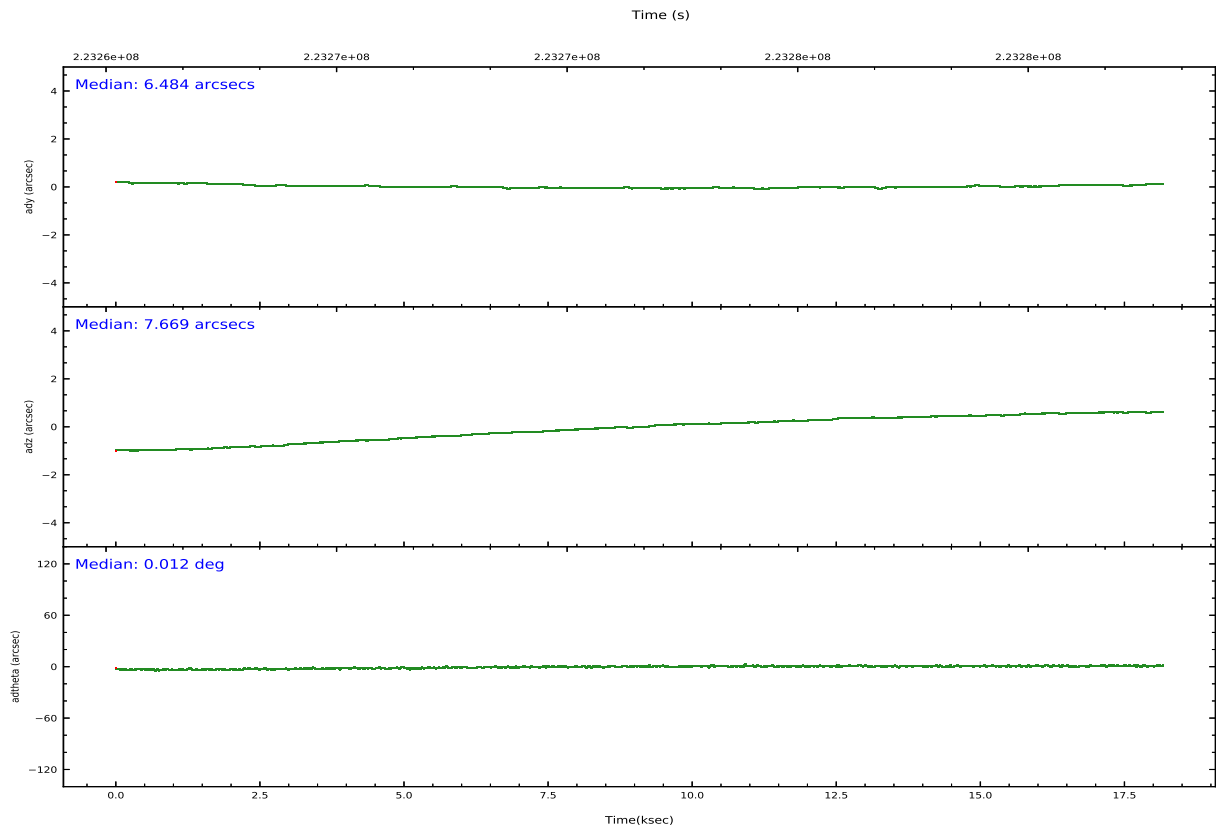
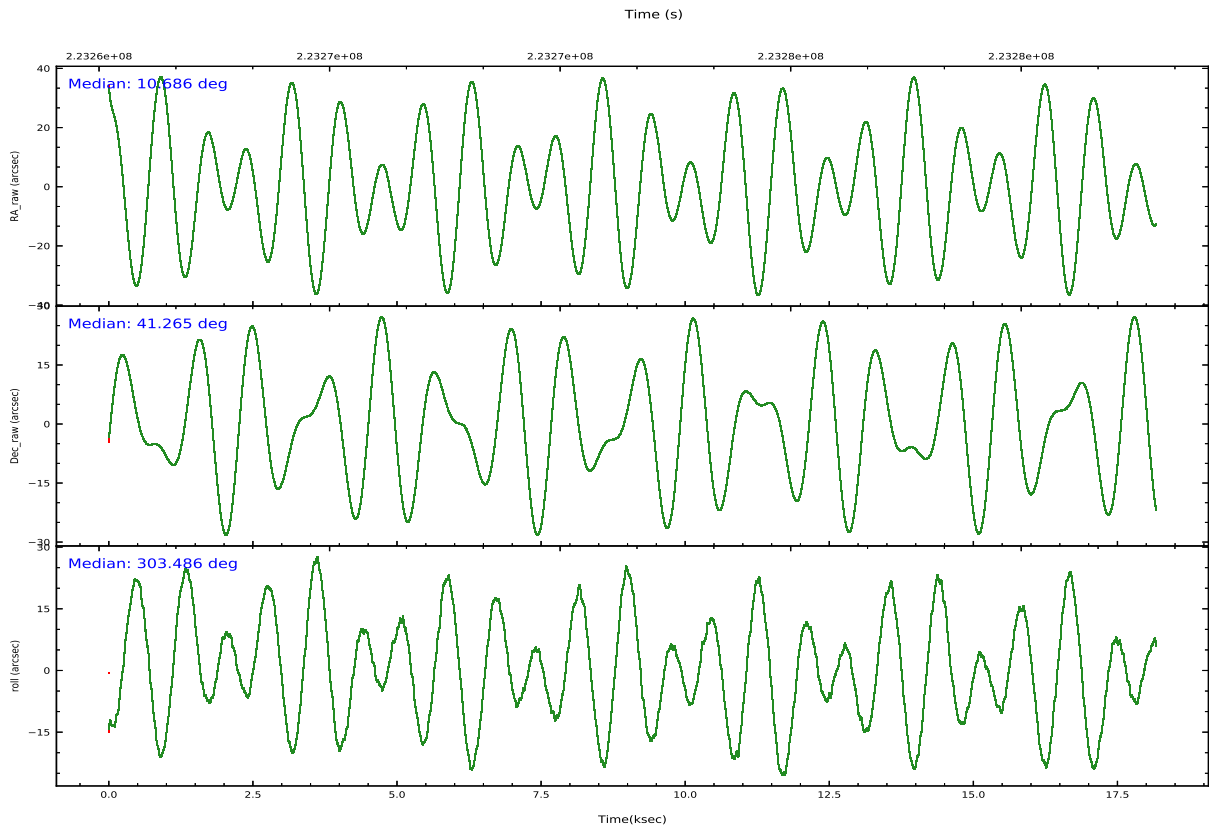
2.2 Compared Parameters

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	10.653396	10.682179604063
[deg] Pointing Dec	41.276393	41.265341995337
[deg] Pointing Roll	303.620850	303.48640860663
[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)	223264340.184000	223263167.55497
Observation start date	2005-01-28T01:51:16	2005-01-28T01:32:47
[s] Observation end time (MET)	223282340.184000	223283164.28087
Observation end date	2005-01-28T06:51:16	2005-01-28T07:06:04

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

2.3 Aspect





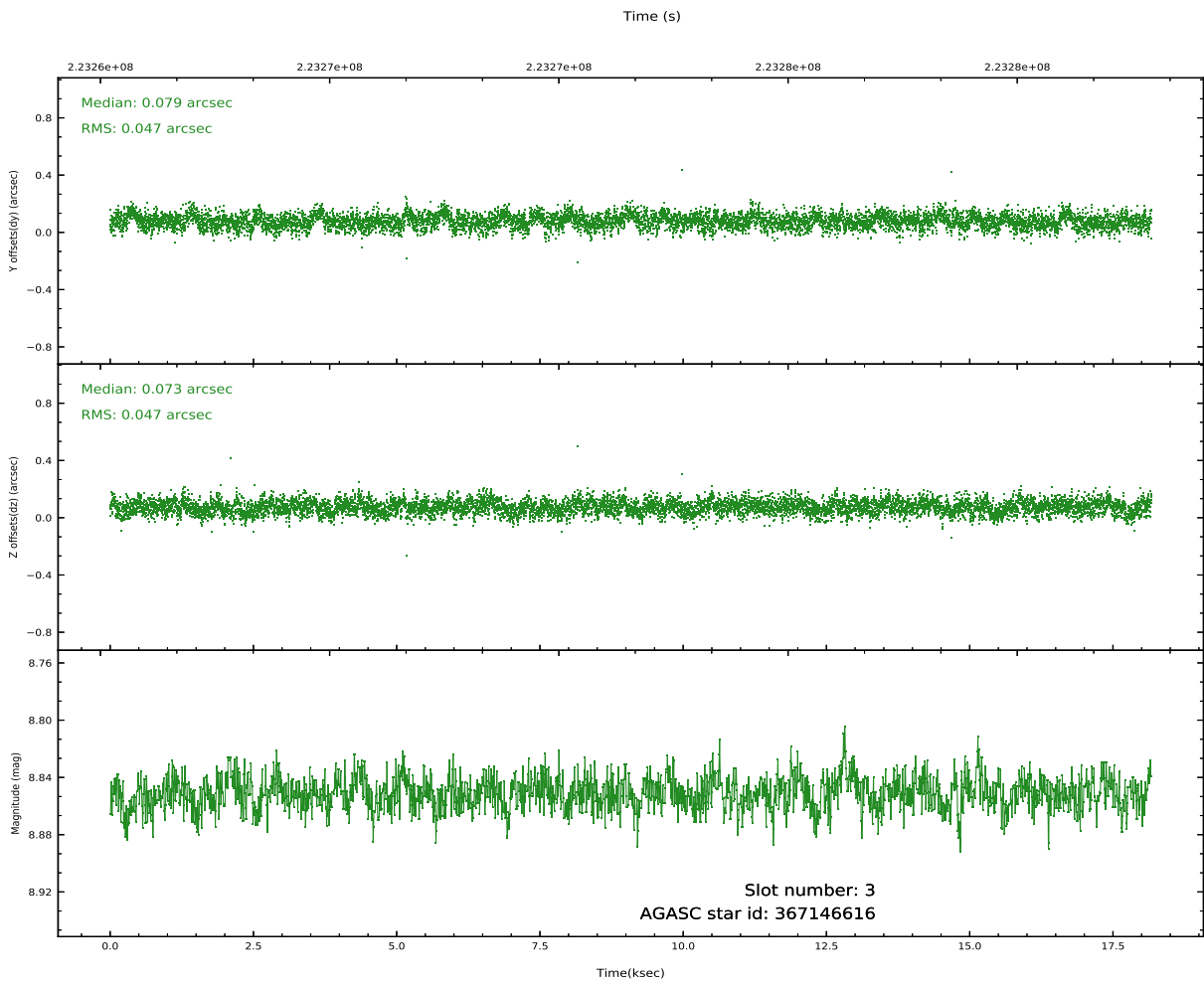
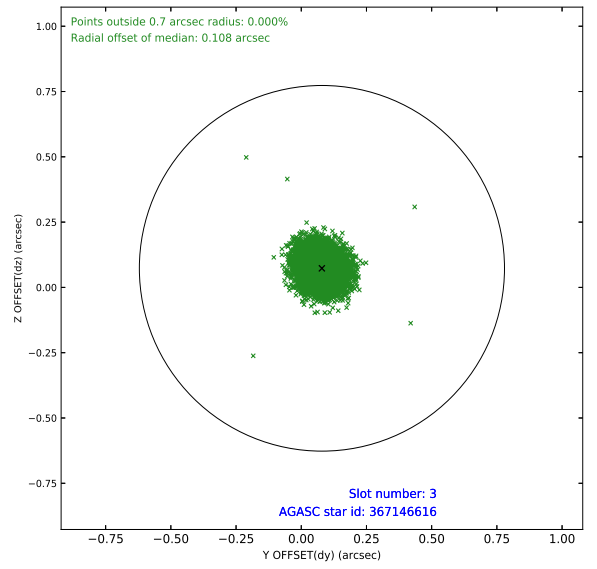
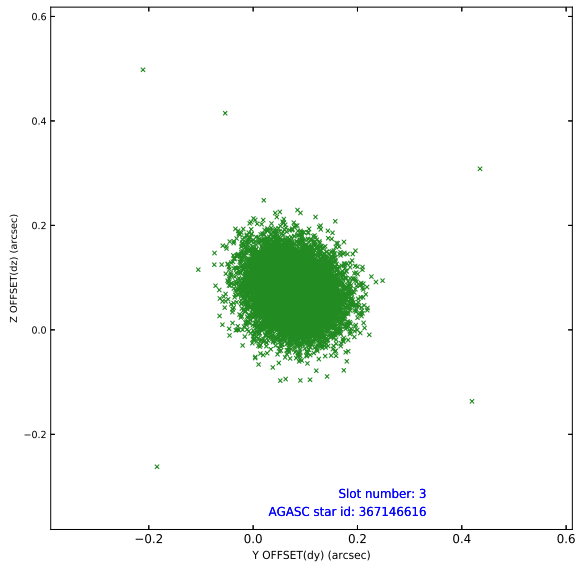
Slot Statistics

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	7.02	4433	1.000	-0.047	-0.051	0.019	0.042	0.000000	0.000000	-762.20	-1295
1	FID		HRC-I-2	7.06	4433	1.000	0.096	-0.092	0.019	0.039	0.000000	0.000000	850.40	-1297
2	FID		HRC-I-4	7.06	4433	1.000	0.065	0.051	0.014	0.029	0.000000	0.000000	1281.03	1006
3	GUIDE	used	367146616	8.85	8860	1.000	0.079	0.073	0.070	0.113	11.418645	41.190163	1399.24	1559
4	GUIDE	used	367148872	7.23	8863	1.000	0.064	-0.150	0.065	0.103	10.505940	40.688258	1541.12	-1507
5	GUIDE	used	367657896	9.01	8858	1.000	-0.014	0.035	0.082	0.134	11.197765	41.313576	700.33	1302
6	GUIDE	used	367663272	9.29	8860	1.000	-0.107	0.005	0.088	0.147	10.656279	41.699429	-1263.51	849
7	GUIDE	used	367674552	8.85	8858	1.000	-0.025	0.038	0.080	0.131	11.016238	41.570845	-343.00	1401

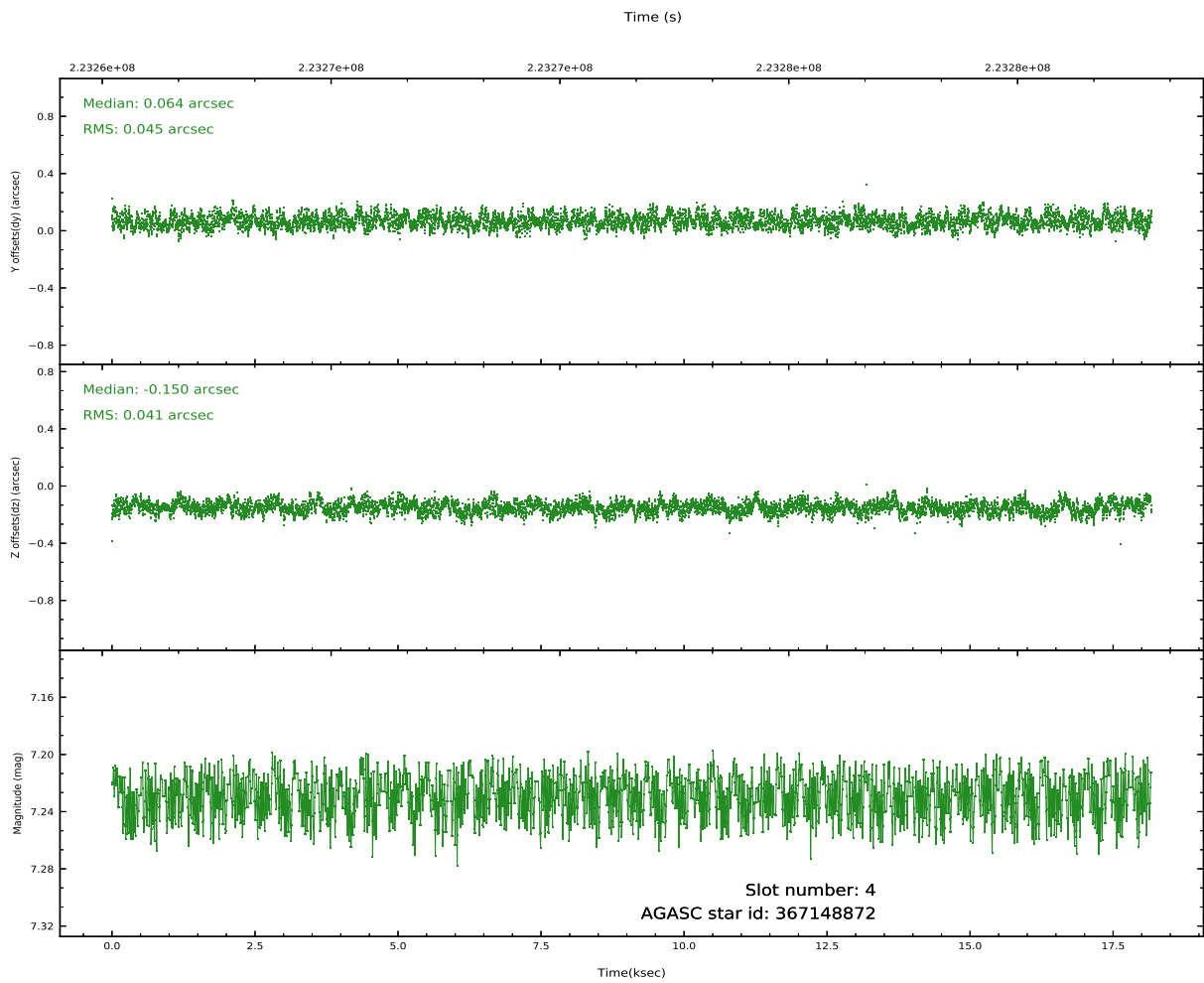
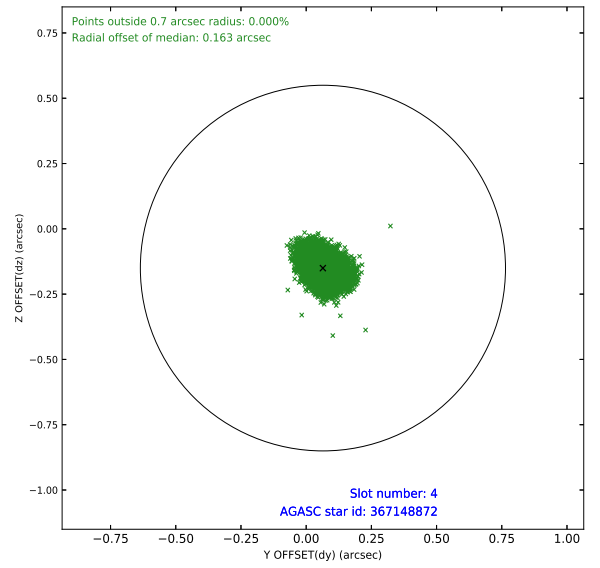
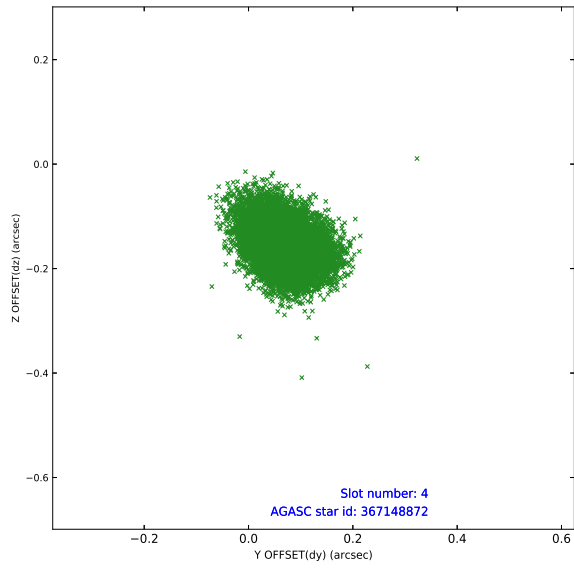
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2.4 Star Slots

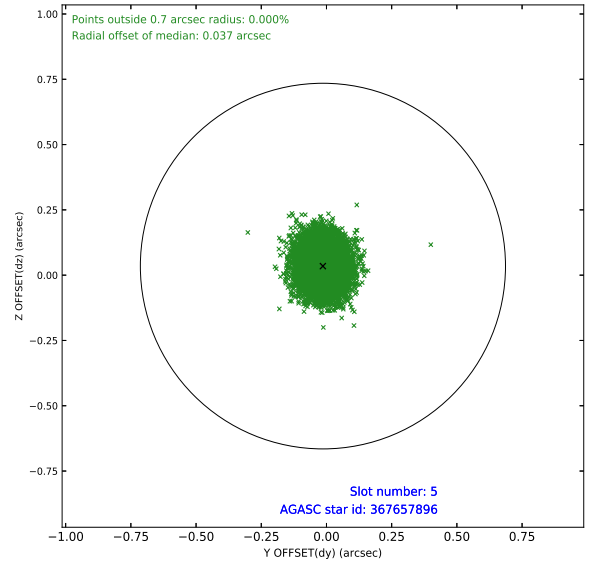
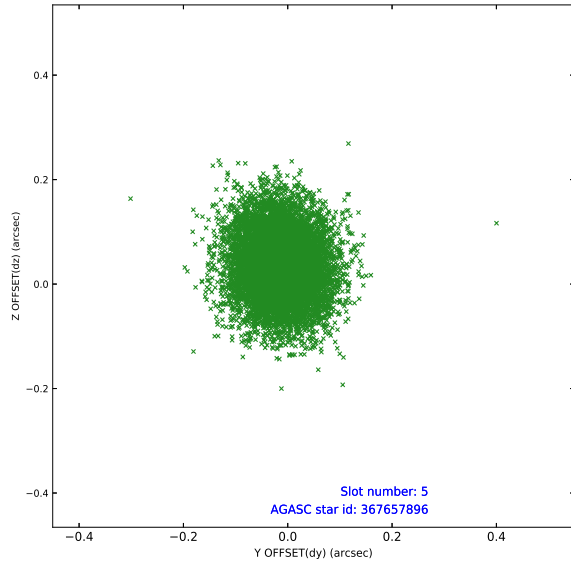
2.4.1 Slot 3



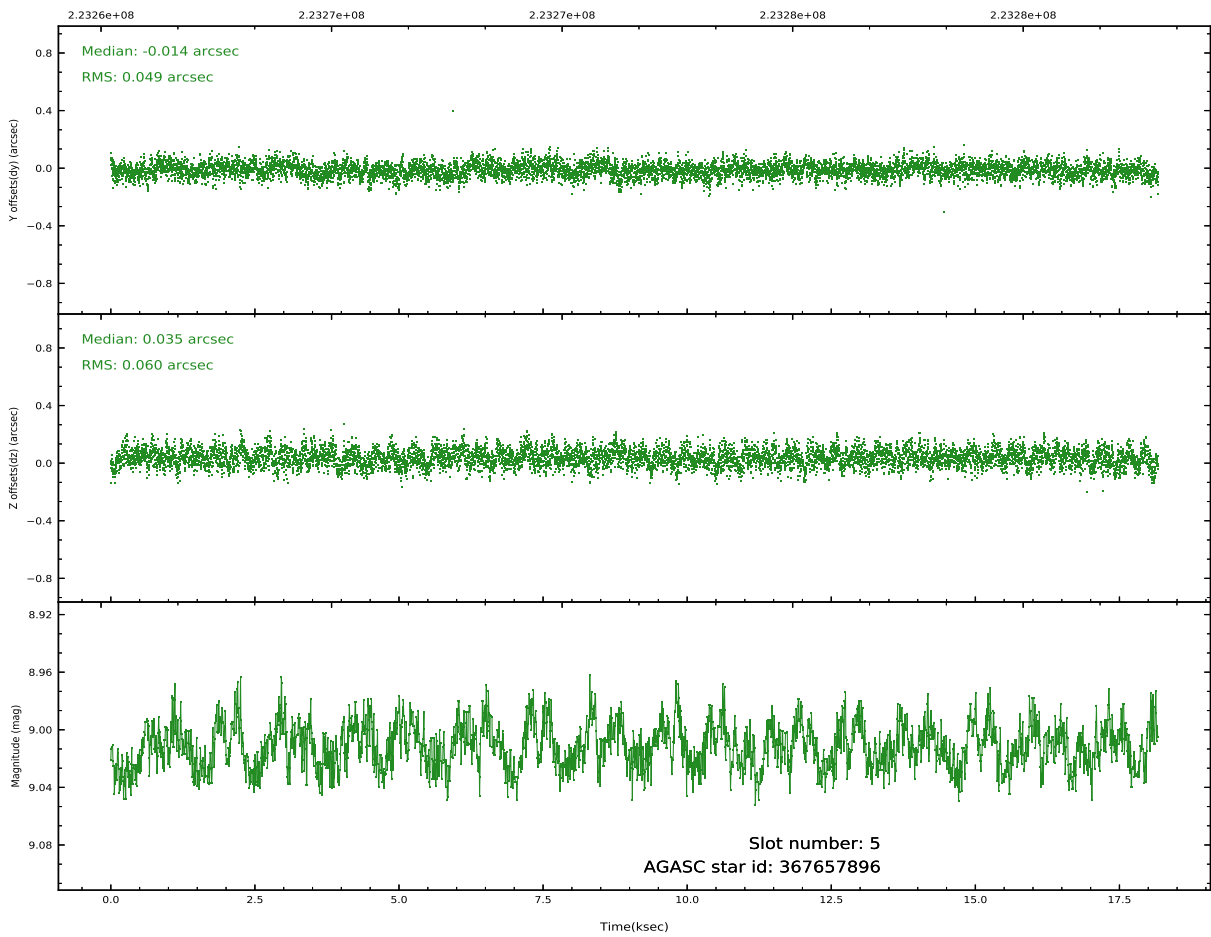
2.4.2 Slot 4



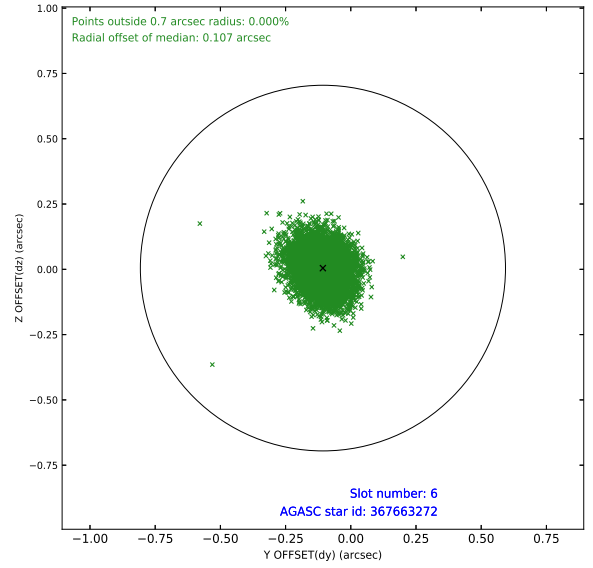
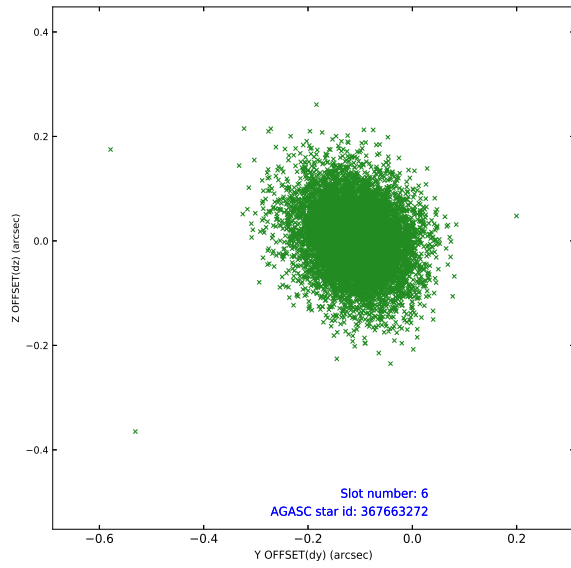
2.4.3 Slot 5



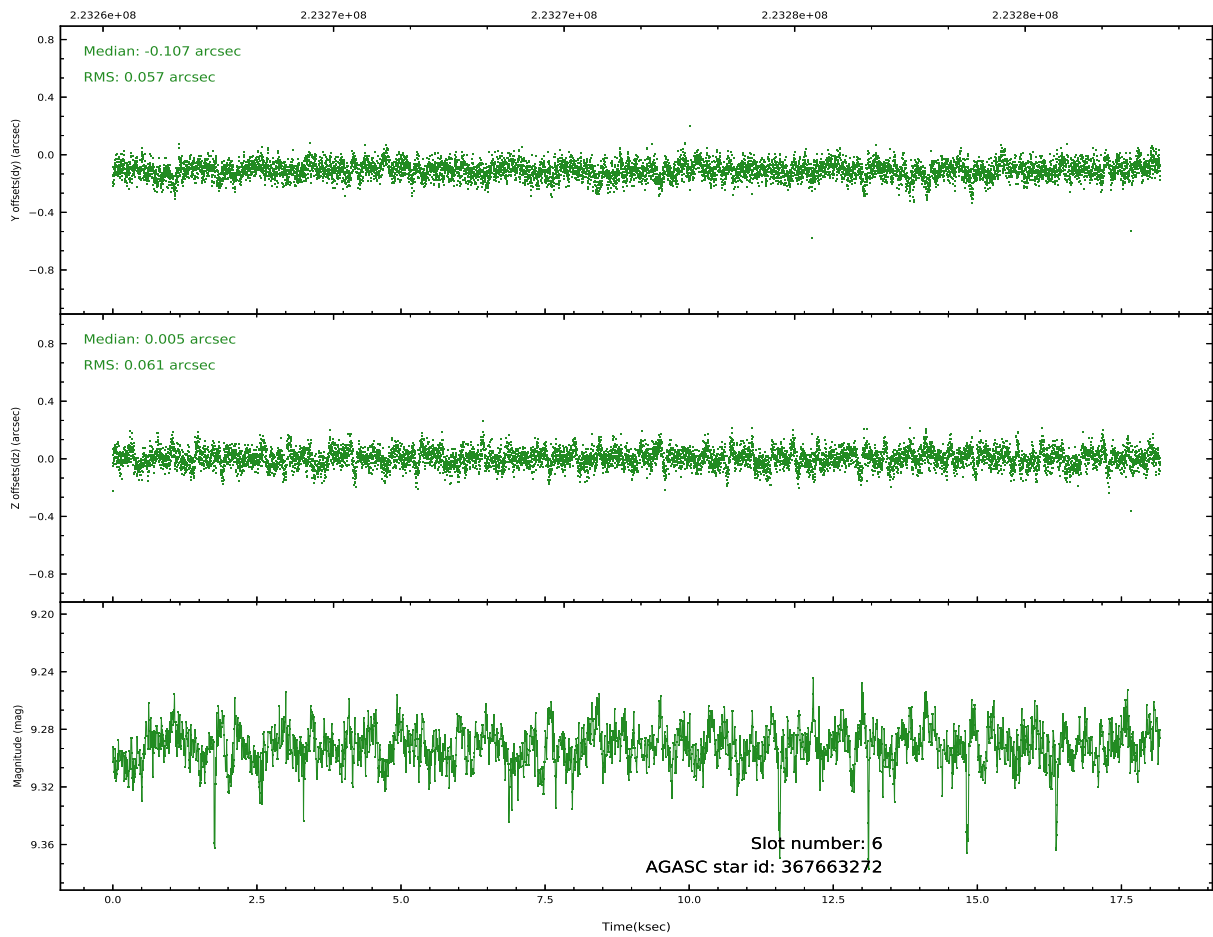
Time (s)



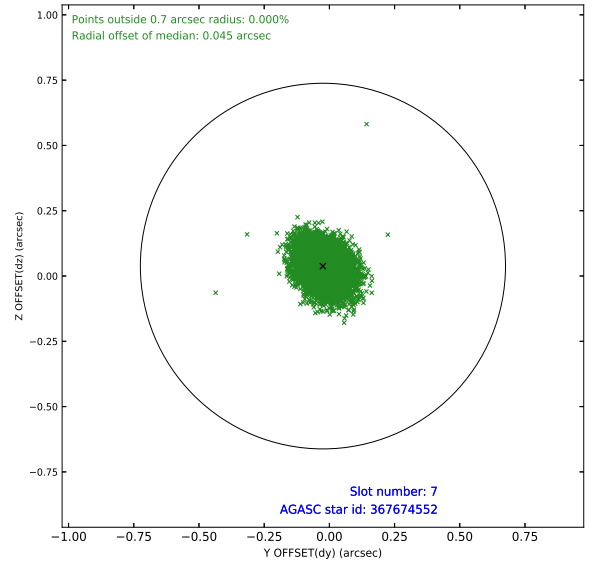
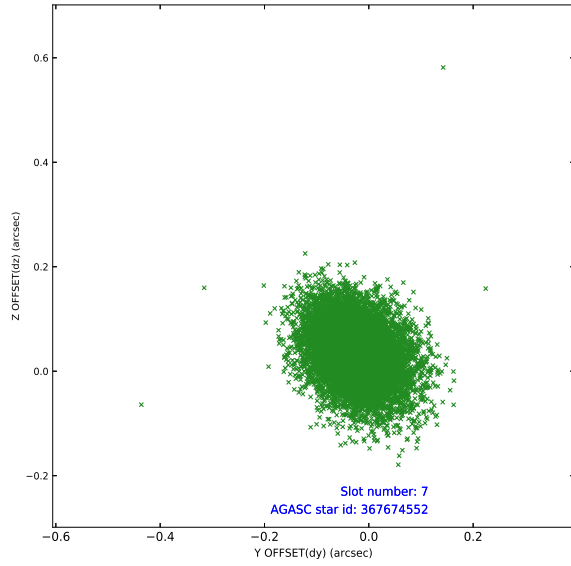
2.4.4 Slot 6



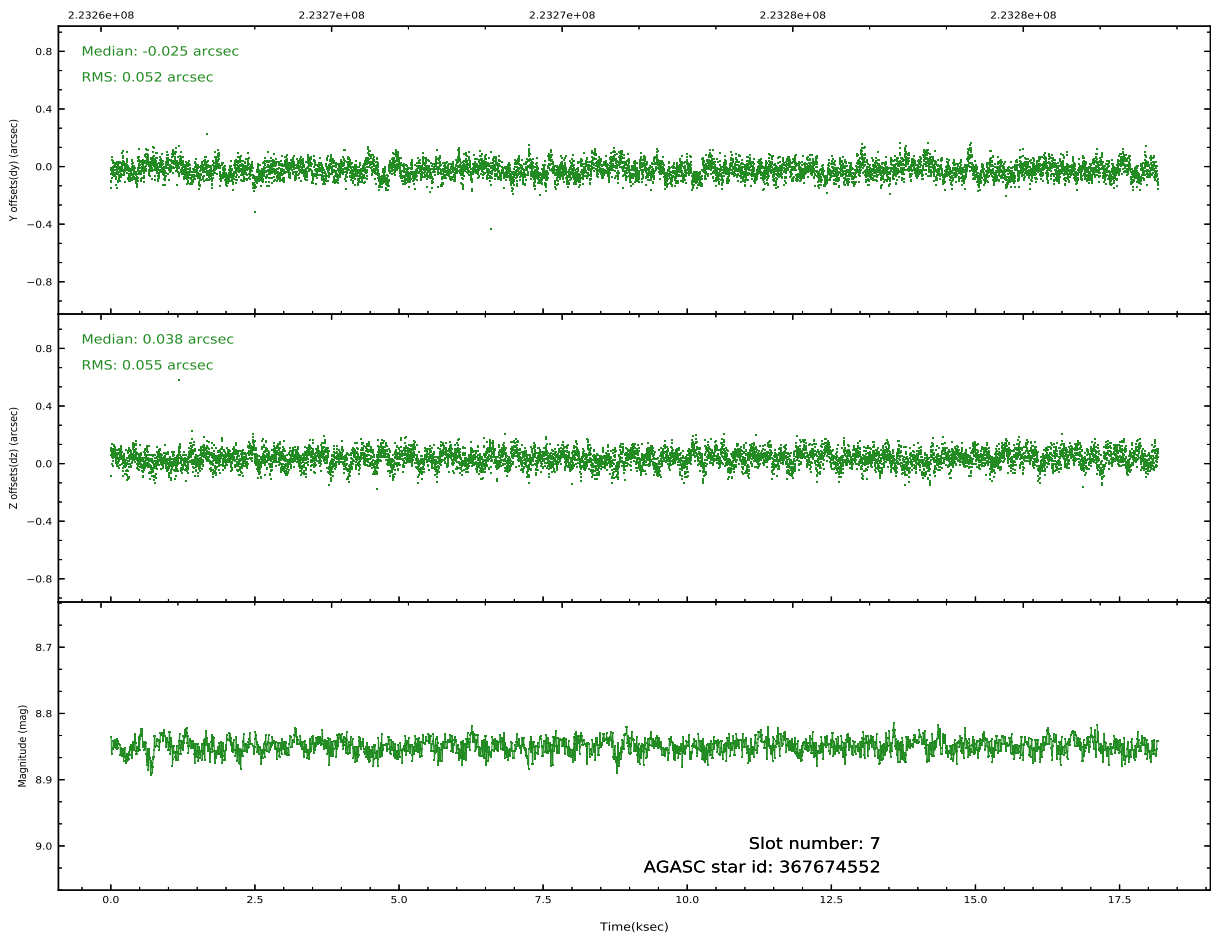
Time (s)



2.4.5 Slot 7

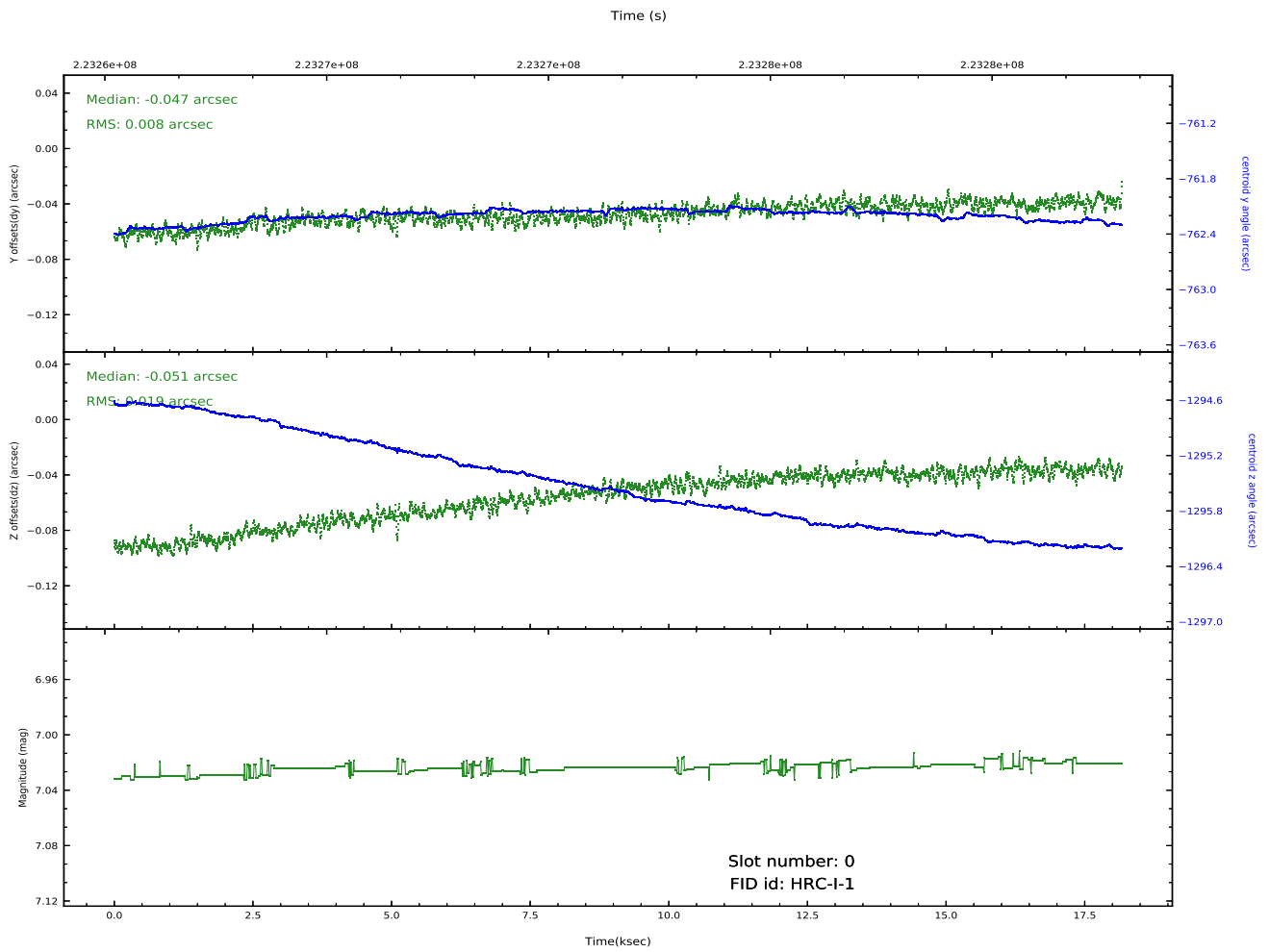
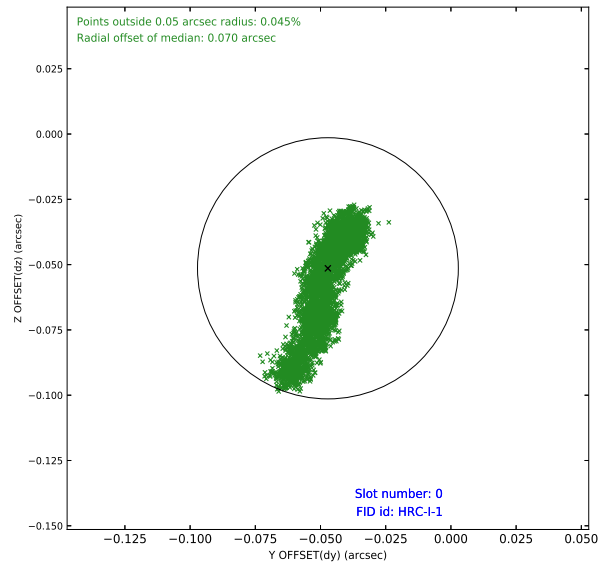
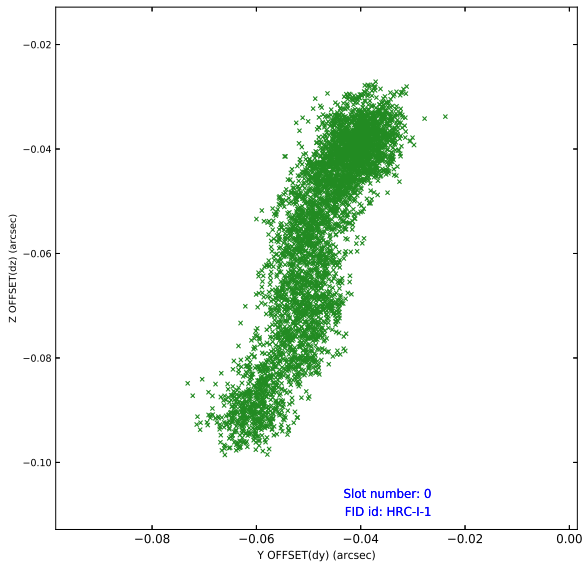


Time (s)

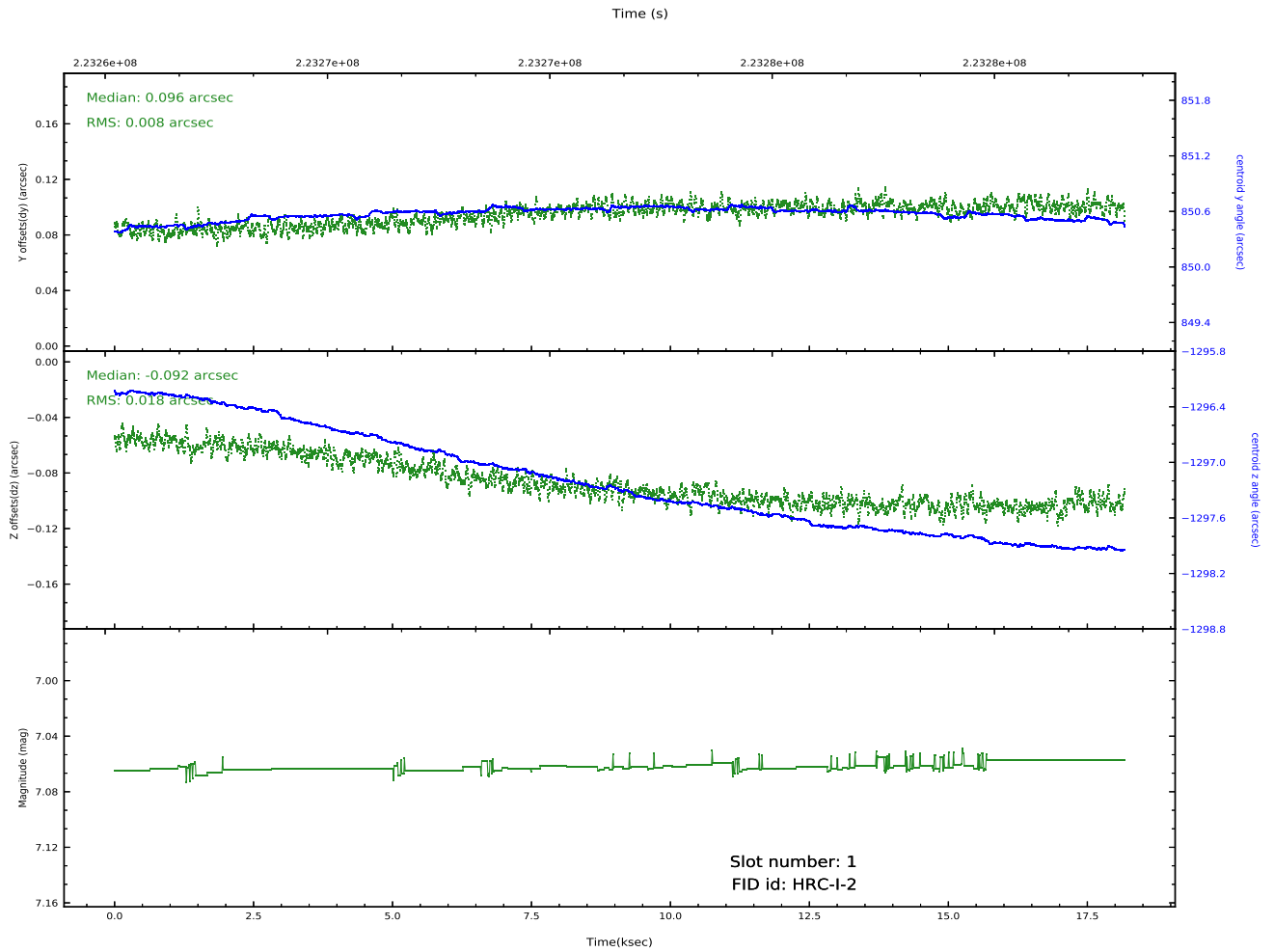
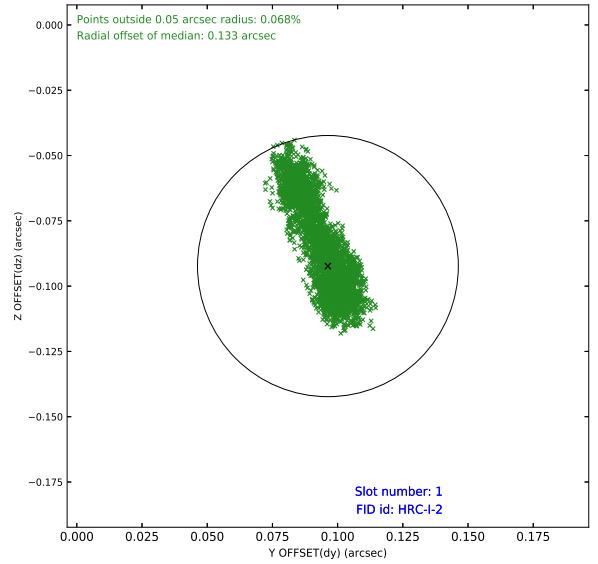
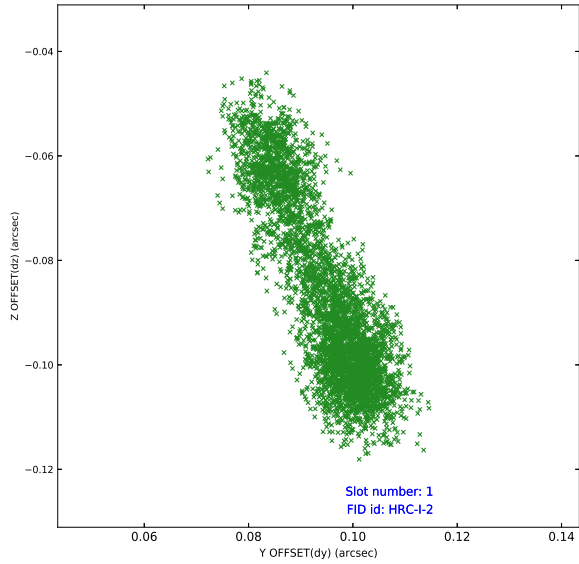


2.5 FID Slots

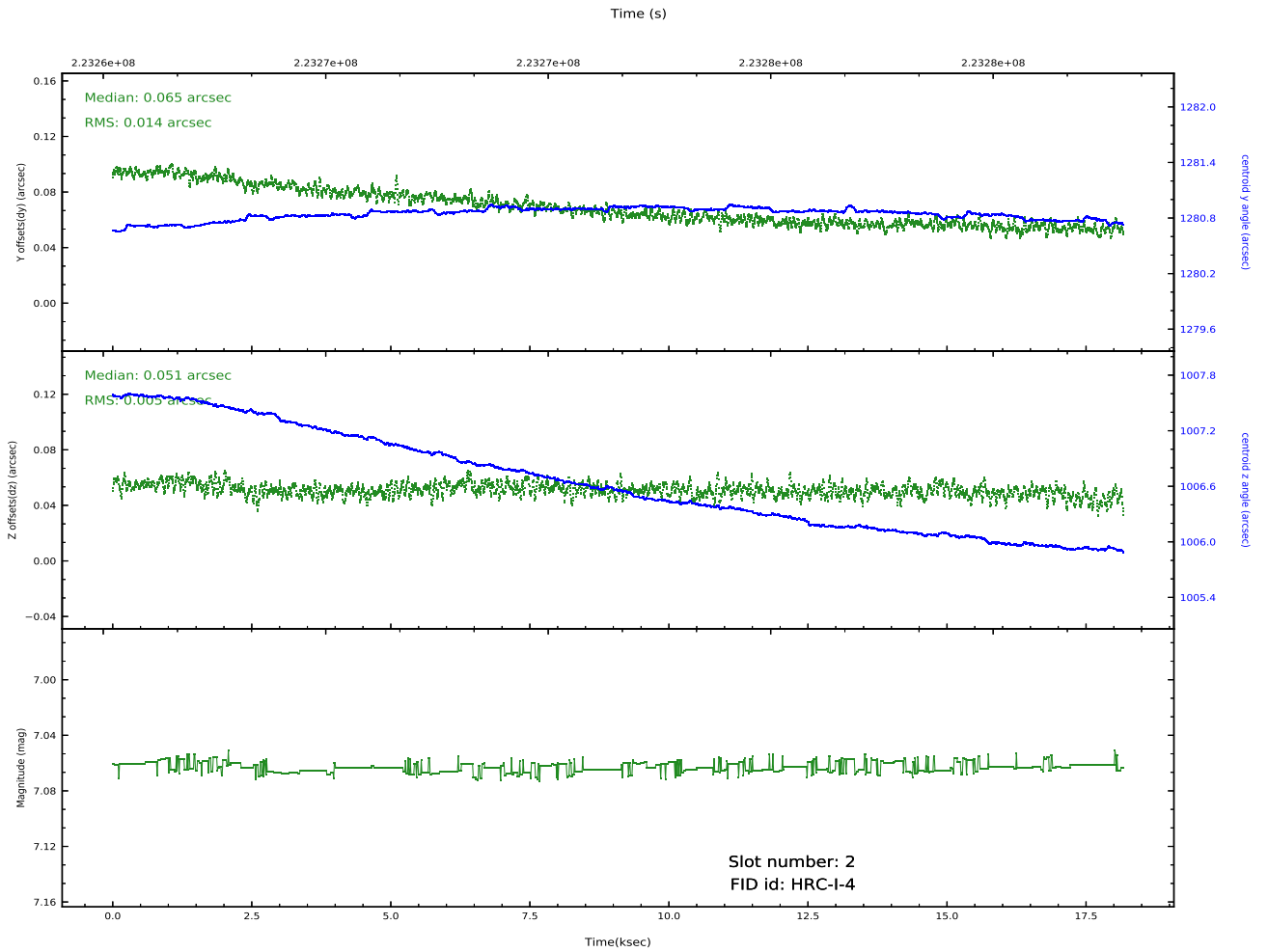
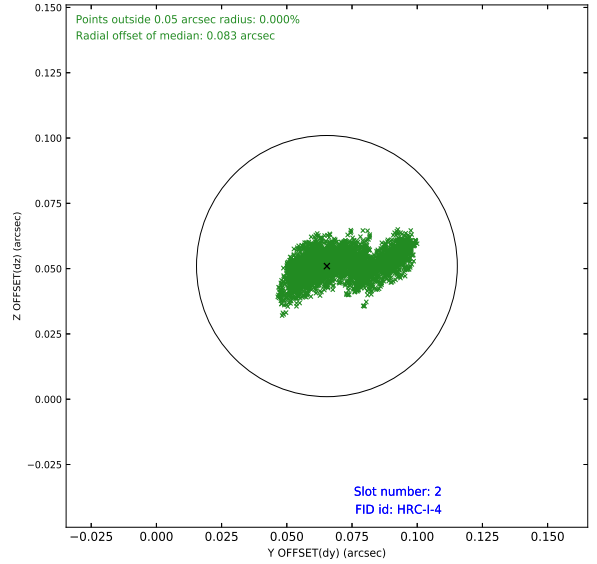
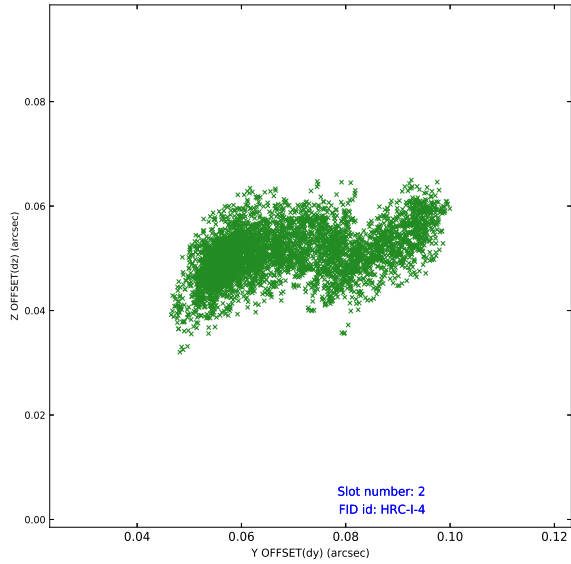
2.5.1 Slot 0



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	18.17043

A.2 Comments

Joint proposal with NRAO.