

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5302 - L2 Version 5
Chandra X-Ray Center

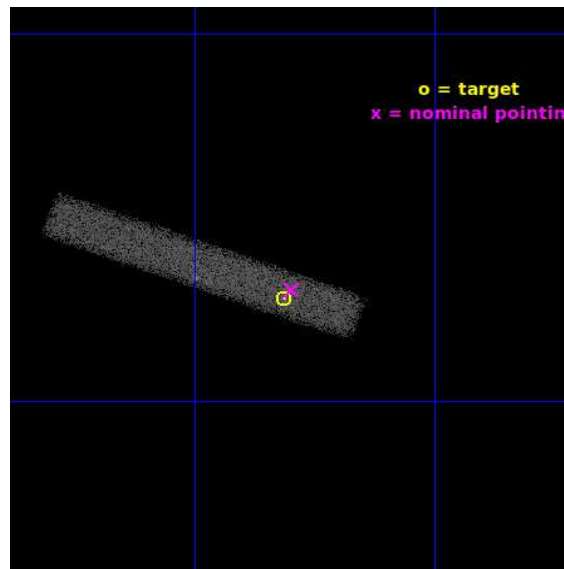
L2 Processing Date : Sep 24 2020

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1 Front

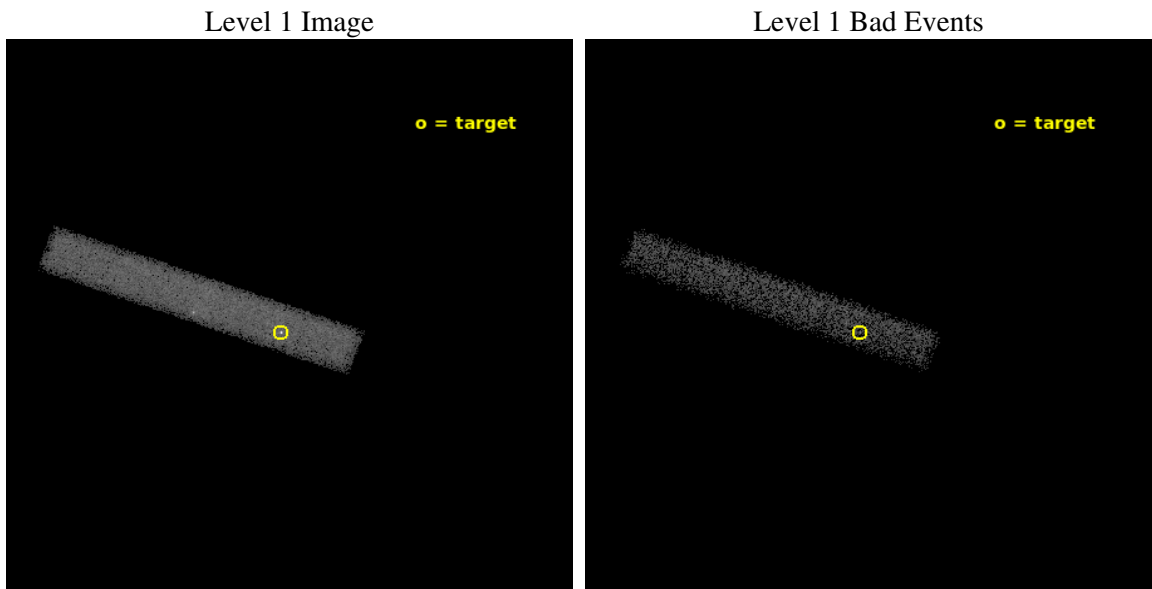
seq_num	701014	Sequence number
obs_id	5302	Observation id
title	Multiwavelength Reverberation Mapping of NGC 4395, the Least Luminous Seyfert 1 Galaxy	Proposal title
observer	Edward Moran	Principal investigator
object	NGC 4395	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.453333	Observer's specified target RA [deg]
dec_targ	33.546944	Observer's specified target Dec [deg]
ra_nom	186.44938866736	Nominal RA [deg]
dec_nom	33.550766138842	Nominal Dec [deg]
roll_nom	199.47214422985	Nominal Roll [deg]
revision	5	Processing version of data
ontime	31121.600463718	Sum of GTIs [s]
liveltime	28225.648887827	Livetime [s]
ontime7	31121.600463718	Sum of GTIs [s]
l2events	25031	Number of level 2 events



2 OBI

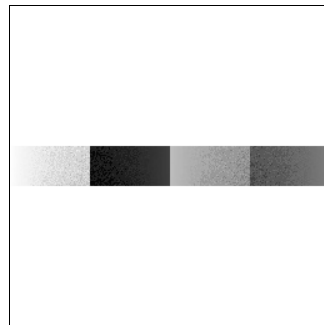
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30987.553000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	31121.600463718	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	31121.600463718	Sum of GTIs [s]
date	2020-09-25T01:46:54	Date and time of file creation	l1events	48939	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

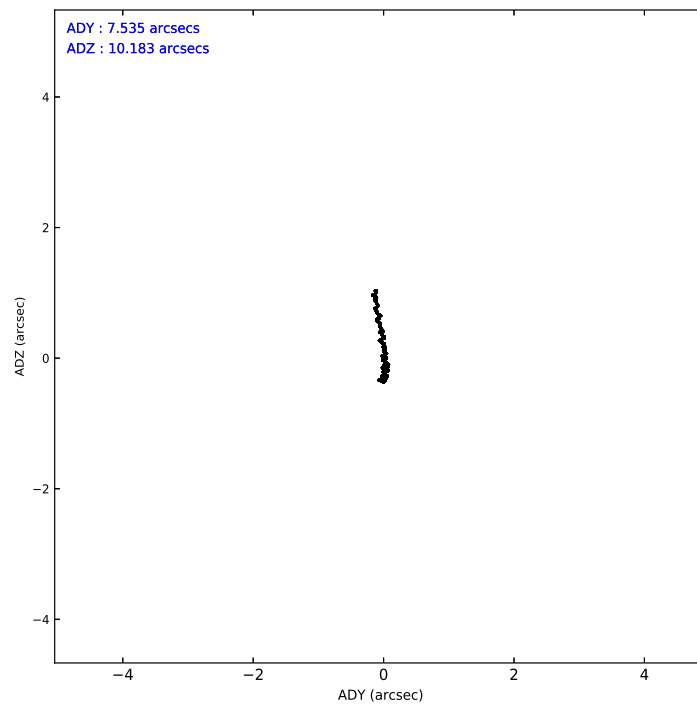
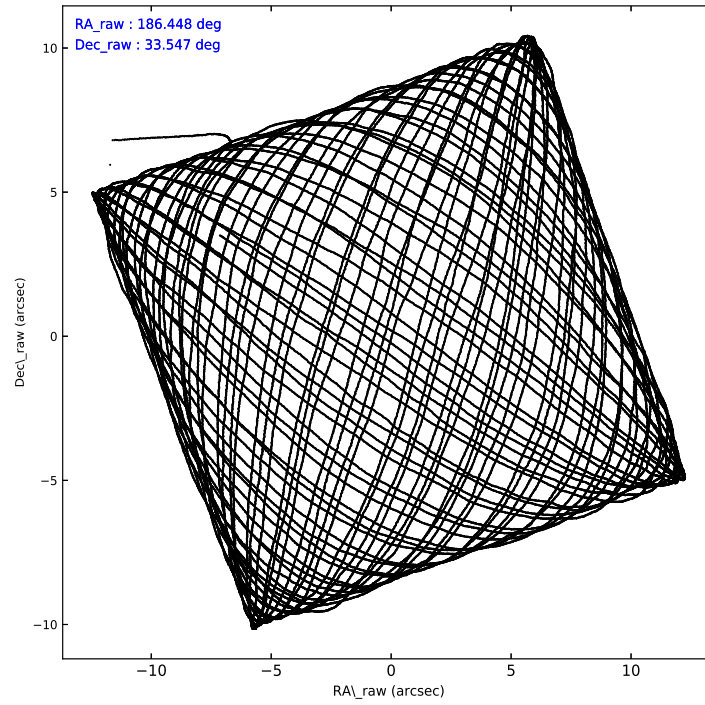
	ccd 7
level 1 events	48939
rejected events	23084
rejected %	47%

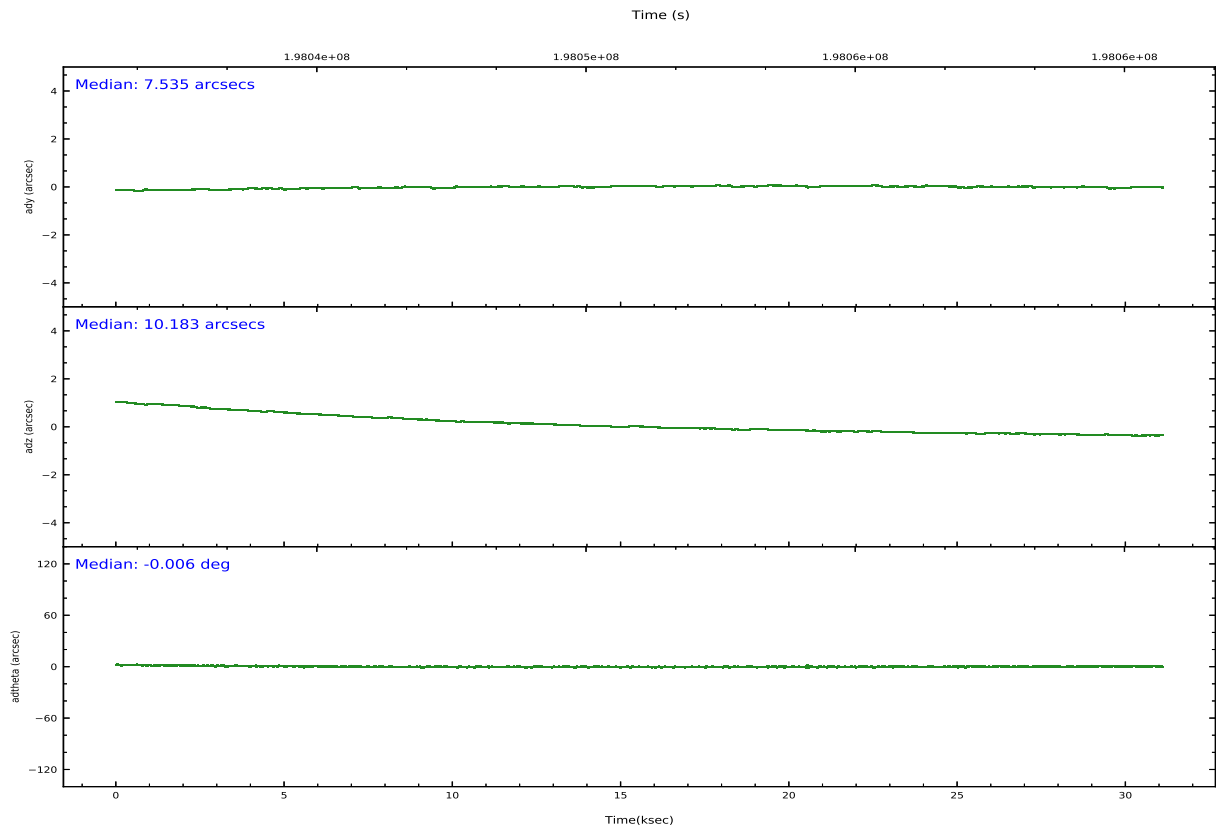
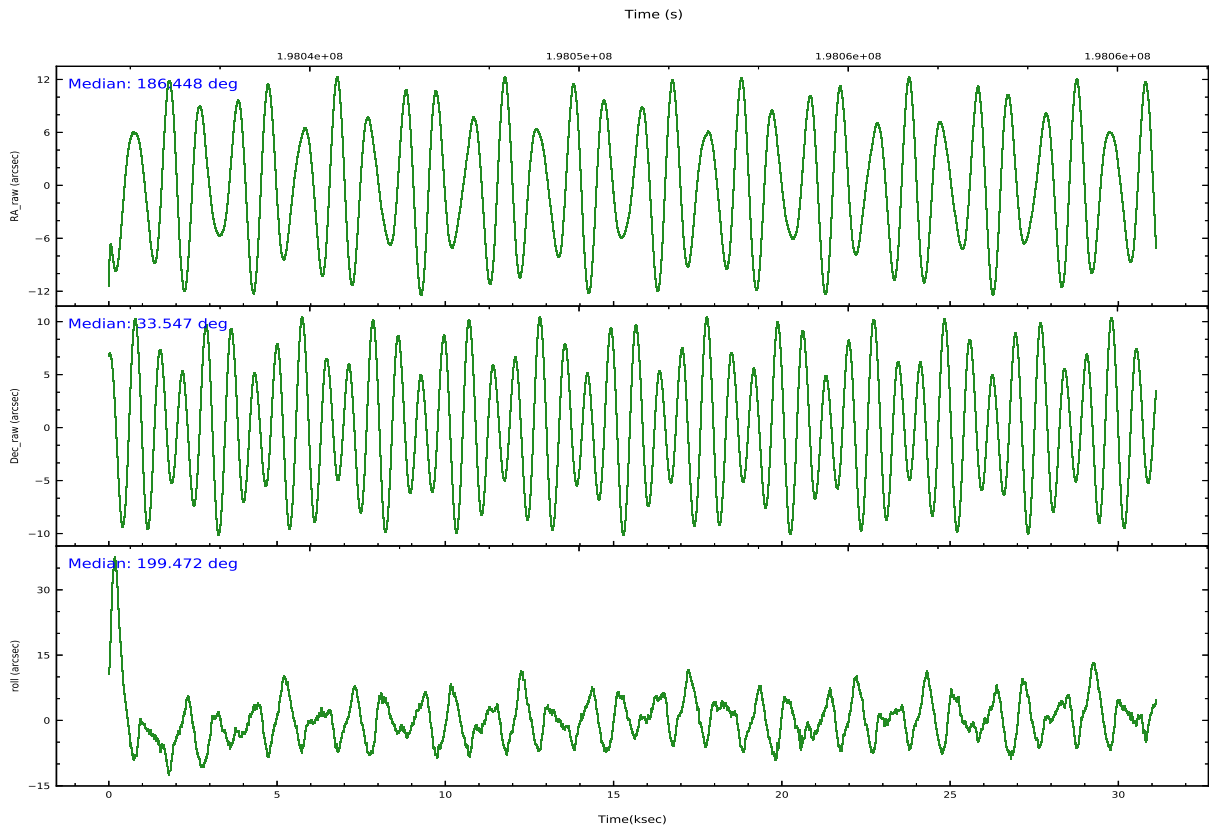
	ccd 7
grade 0 events	3375
	6%
grade 1 events	39
	0%
grade 2 events	5201
	10%
grade 3 events	3185
	6%
grade 4 events	3009
	6%
grade 5 events	3929
	8%
grade 6 events	11927
	24%
grade 7 events	18274
	37%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.469017	186.44938866736	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	33.568119	33.550766138842	Subarray start row	449	449
[deg] Pointing Roll	199.301065	199.47214422985	Subarray row count	128	128
[s] Window start time (MET)	198031264.184000	198031264.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	198082084.184000	198082084.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	198034161.184000	198032702.76753			
Observation start date	2004-04-11T01:28:17	2004-04-11T01:05:02			
[s] Observation end time (MET)	198065148.184000	198065463.30648			
Observation end date	2004-04-11T10:04:44	2004-04-11T10:11:03			
Read mode	TIMED	TIMED			

2.3 Aspect





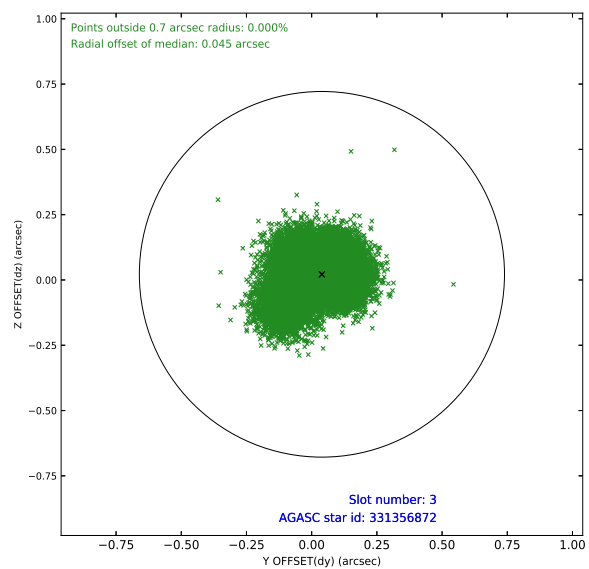
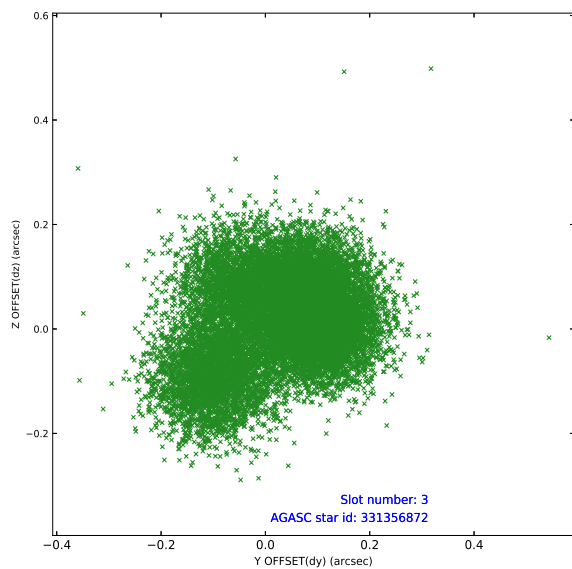
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	7591	1.000	0.009	-0.067	0.017	0.039	0.000000	0.000000	935.79	-1727
1	FID		ACIS-S-4	7.21	7591	1.000	0.104	0.047	0.013	0.028	0.000000	0.000000	2153.28	177
2	FID		ACIS-S-5	7.23	7592	1.000	-0.140	0.034	0.009	0.016	0.000000	0.000000	-1813.19	170
3	GUIDE	used	331356872	9.45	15110	1.000	0.039	0.022	0.144	0.237	186.232000	33.528992	718.09	-102
4	GUIDE	used	331359472	9.34	15174	1.000	-0.063	0.095	0.136	0.209	187.224794	33.172746	-1681.56	2088
5	GUIDE	used	331361424	10.44	15129	1.000	-0.108	-0.131	0.183	0.298	187.160339	33.746695	-2167.85	71
6	GUIDE	used	331361712	10.86	15138	1.000	0.194	0.102	0.237	0.387	185.925565	32.976353	2252.00	1464
7	GUIDE	used	331359824	9.90	15165	1.000	-0.038	-0.096	0.144	0.233	185.748520	33.293976	2370.41	208

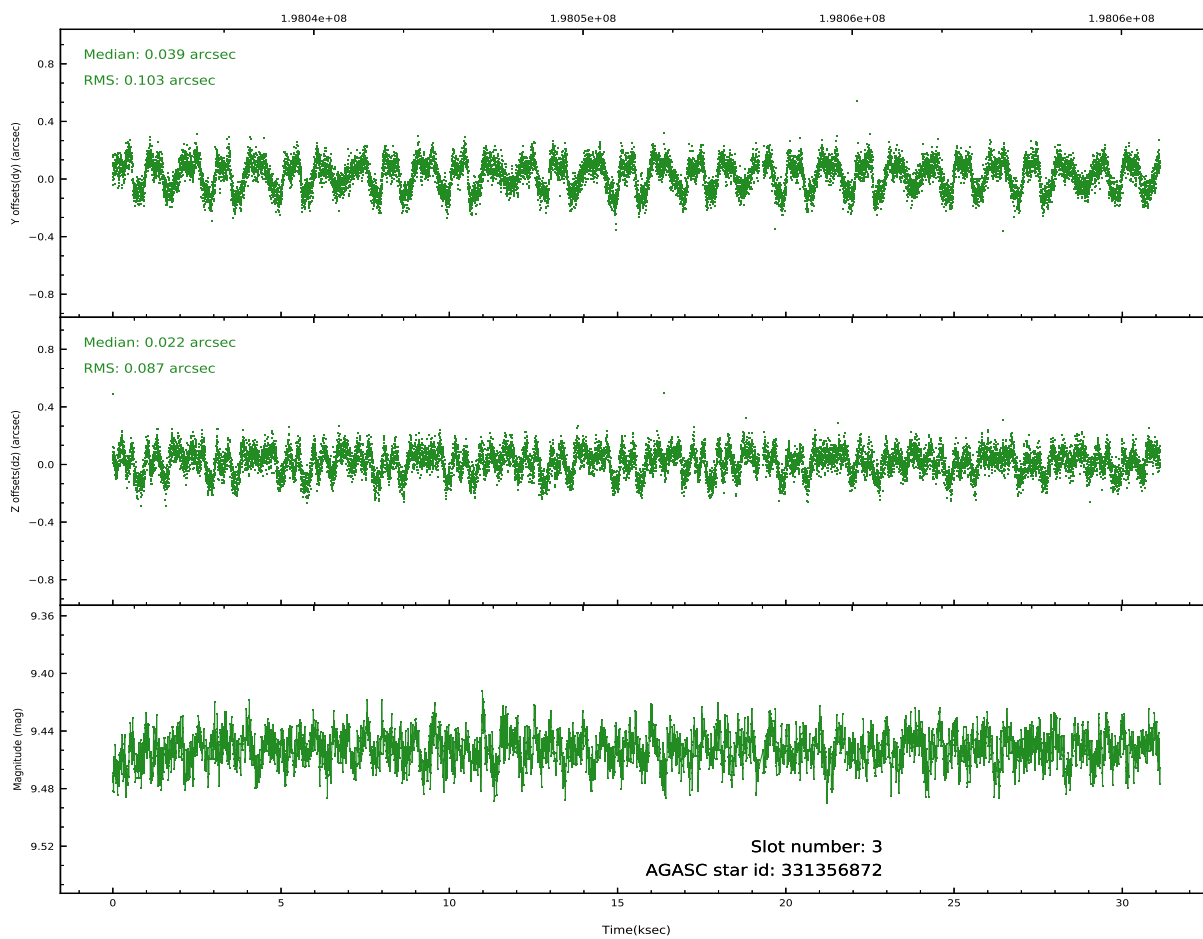
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2.4 Star Slots

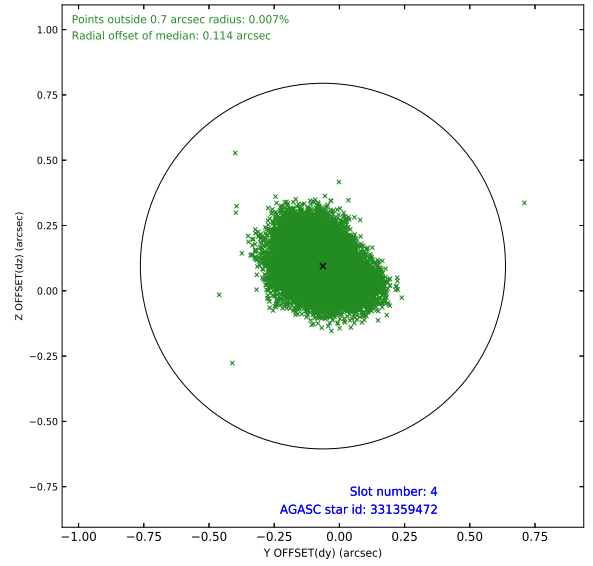
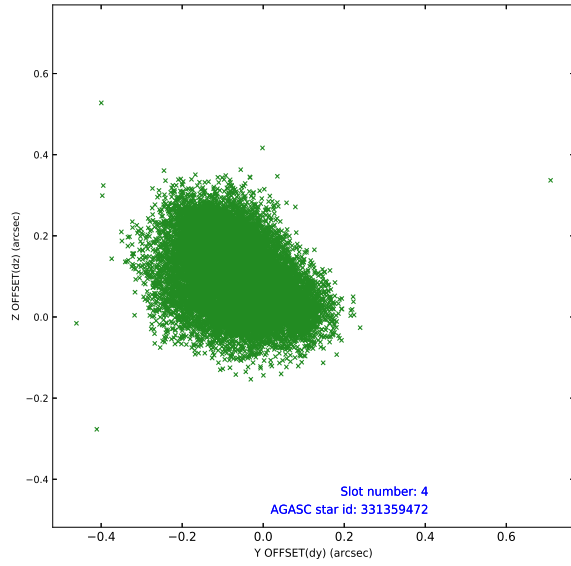
2.4.1 Slot 3



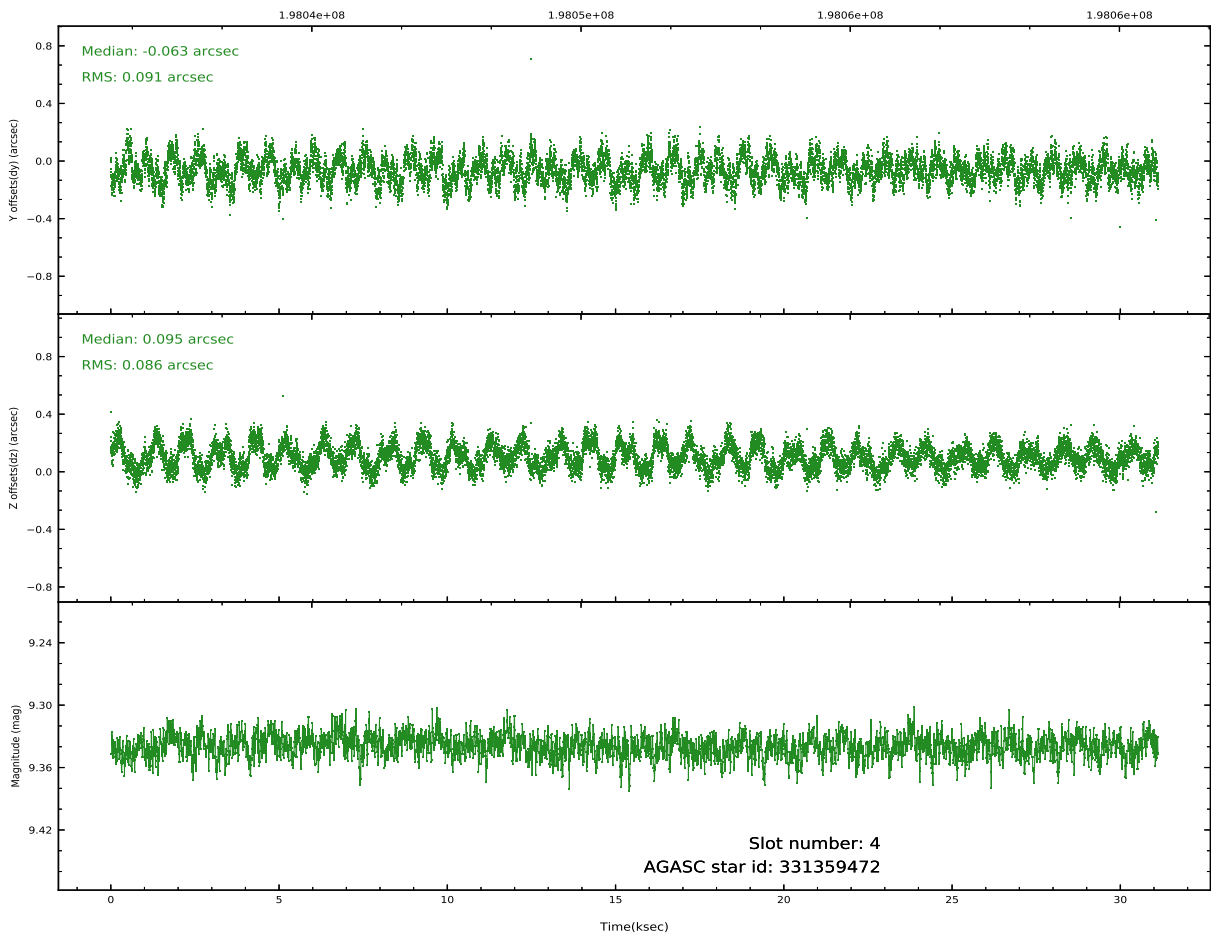
Time (s)



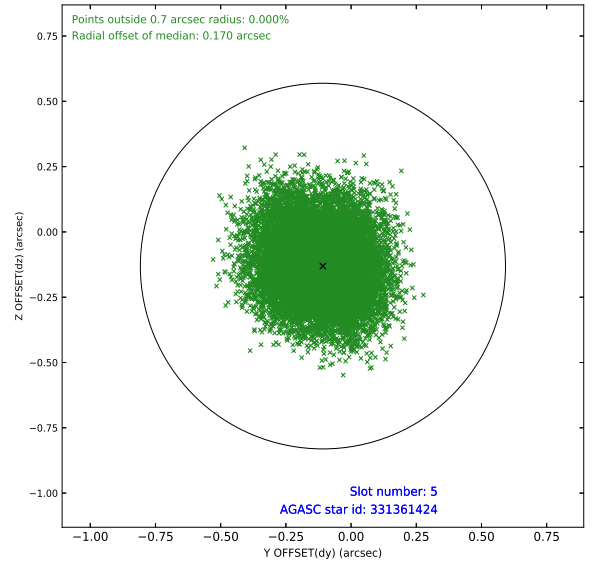
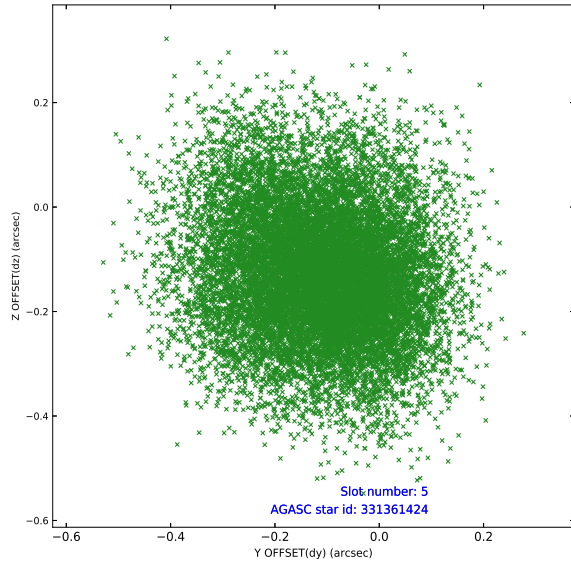
2.4.2 Slot 4



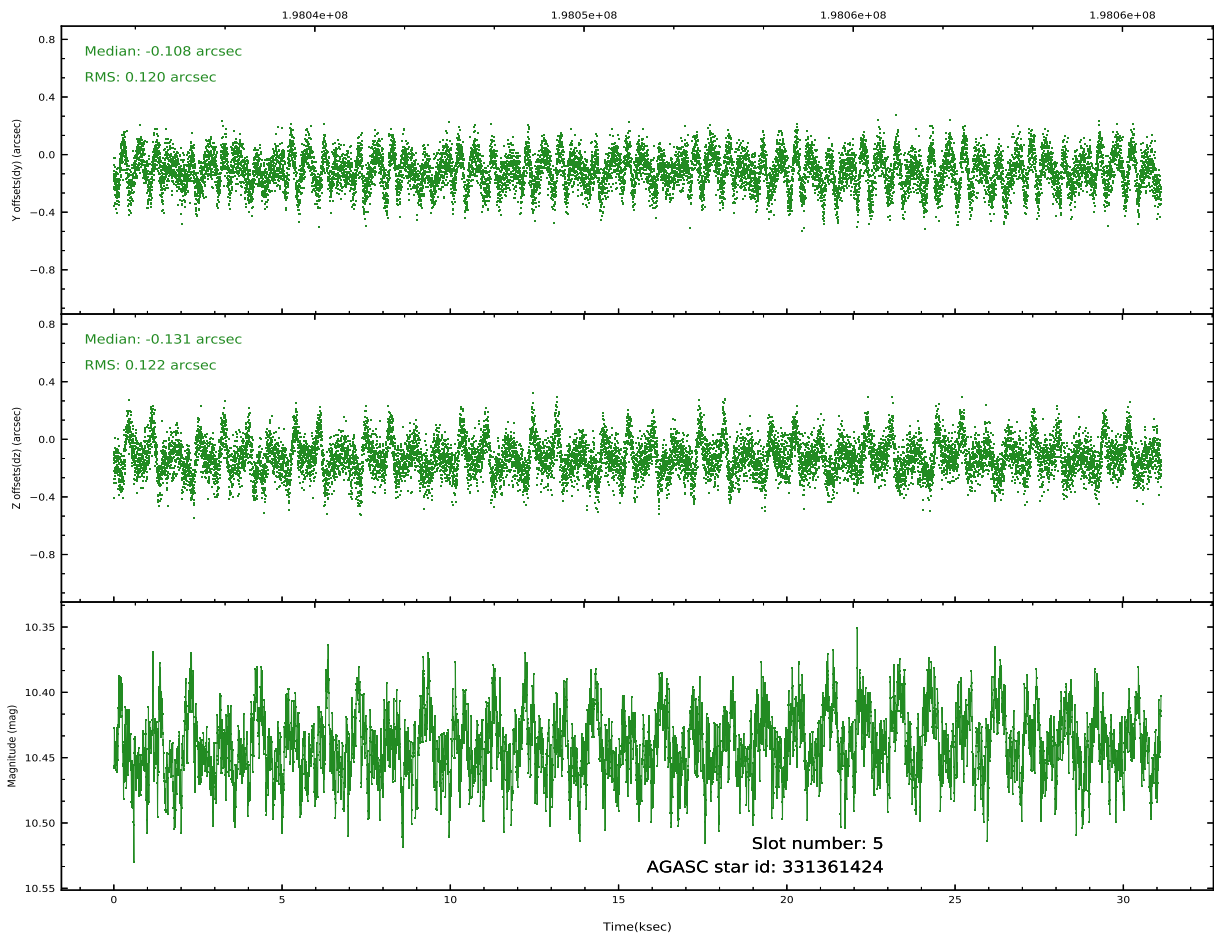
Time (s)



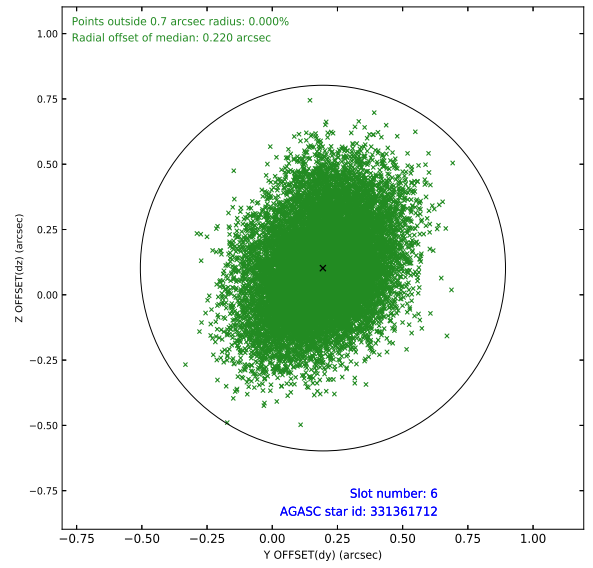
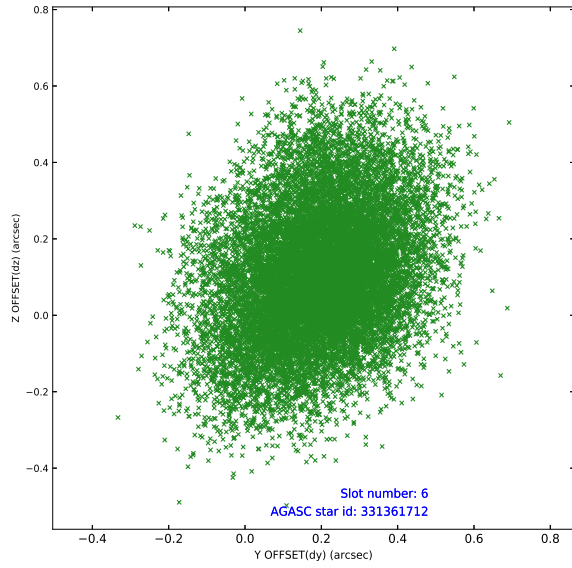
2.4.3 Slot 5



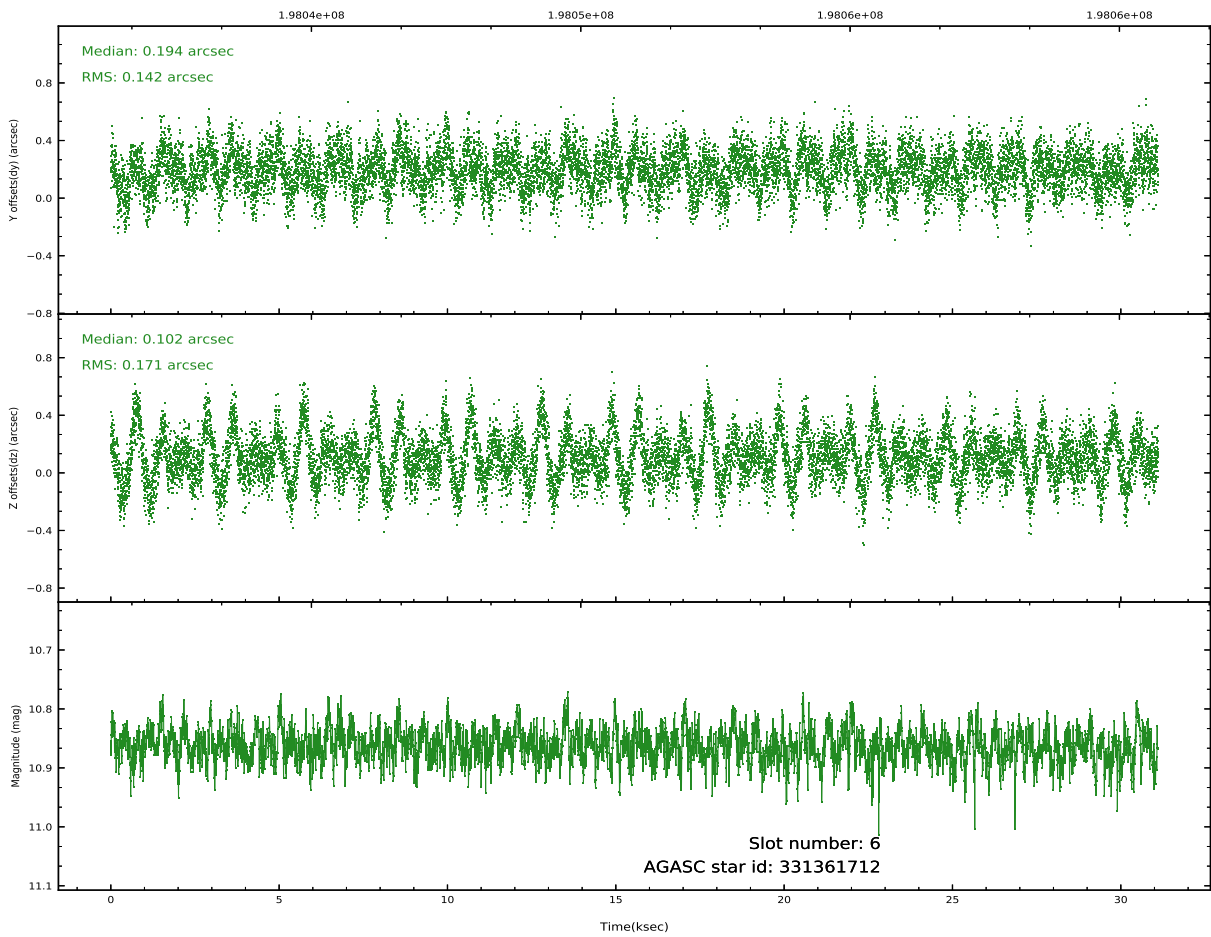
Time (s)



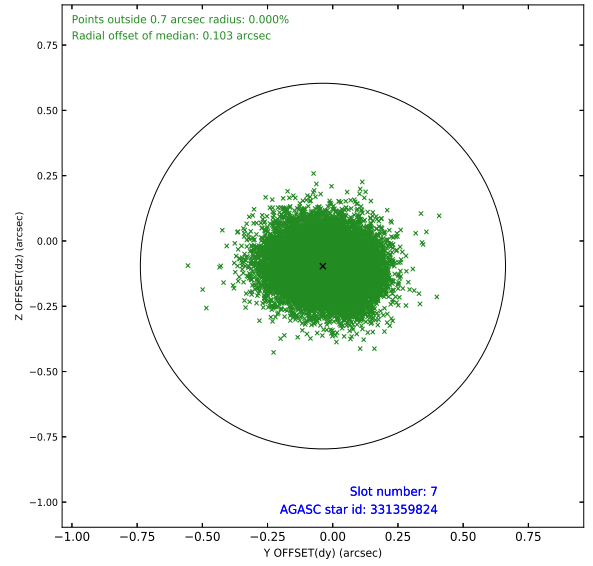
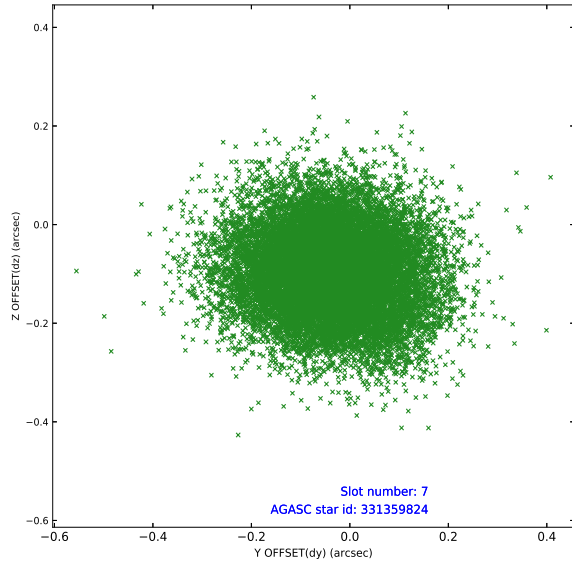
2.4.4 Slot 6



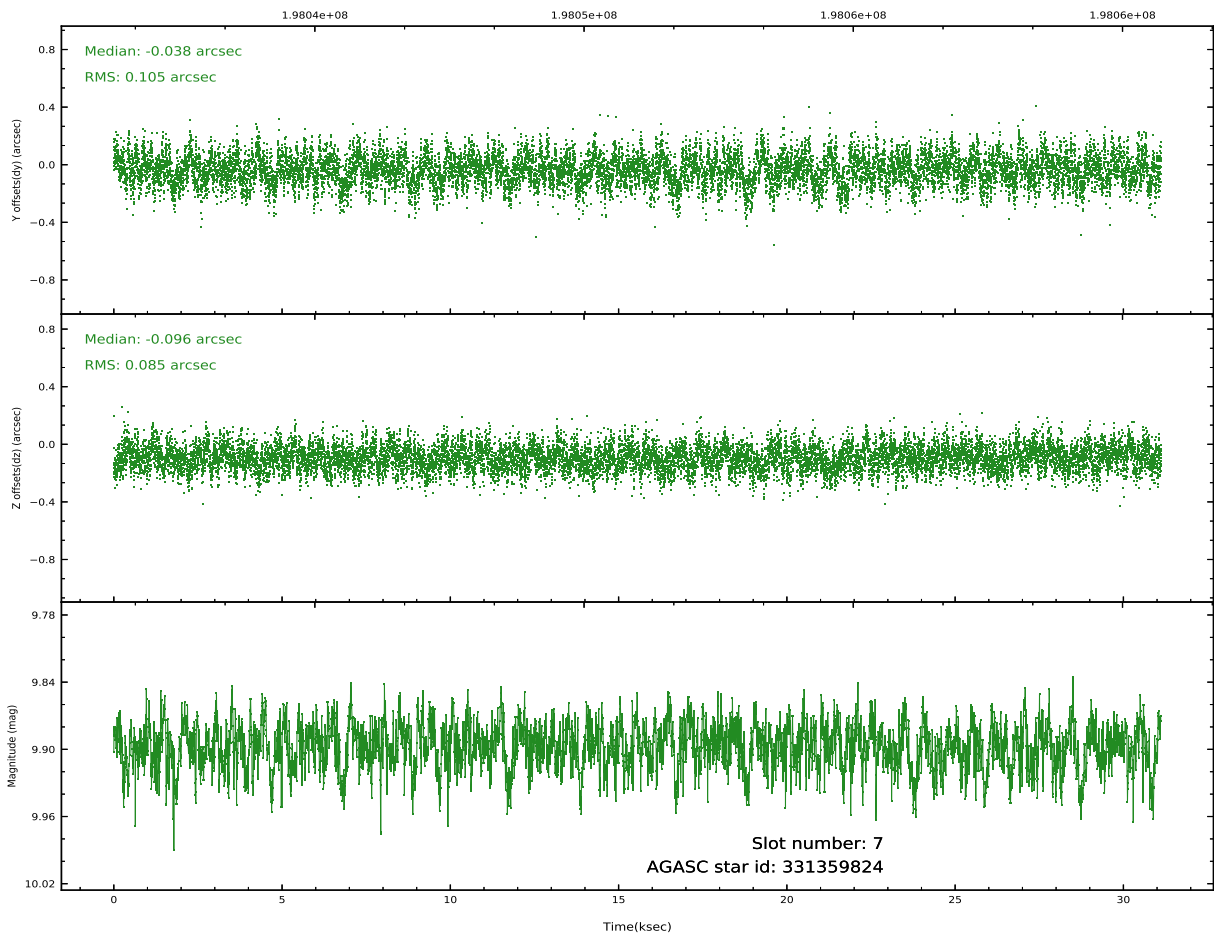
Time (s)



2.4.5 Slot 7

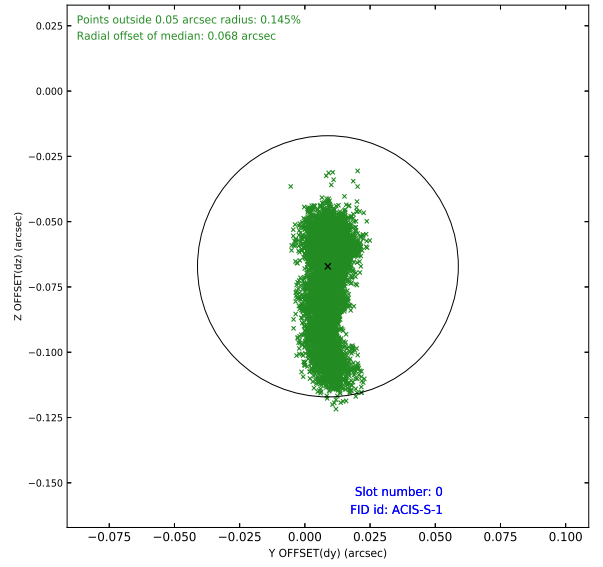
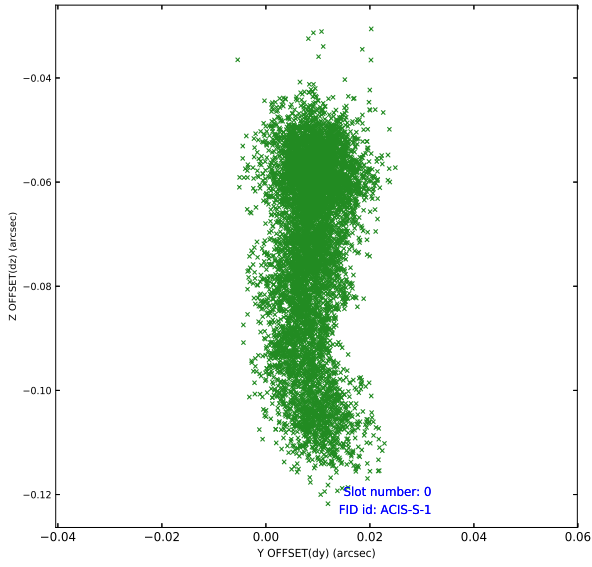


Time (s)

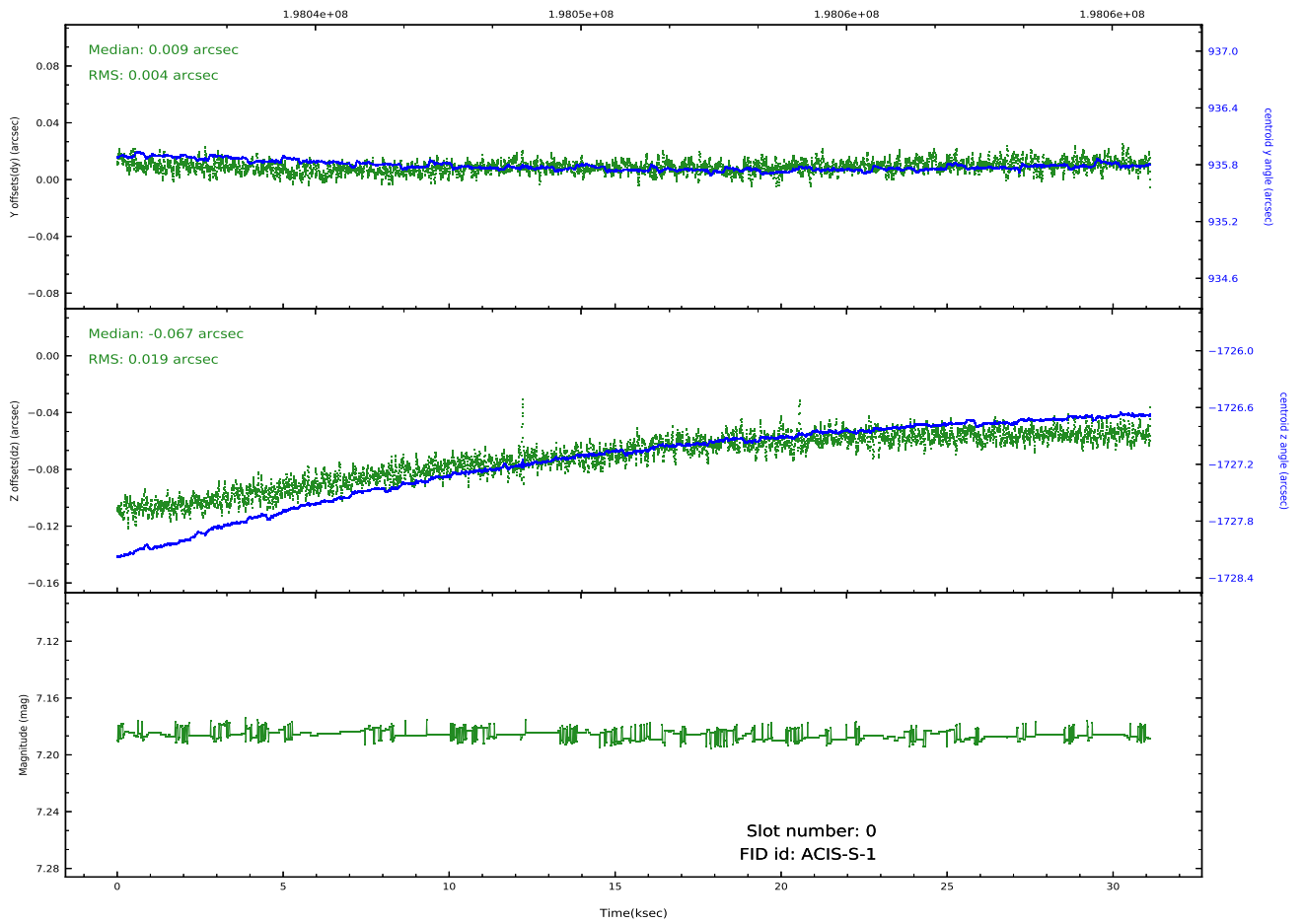


2.5 FID Slots

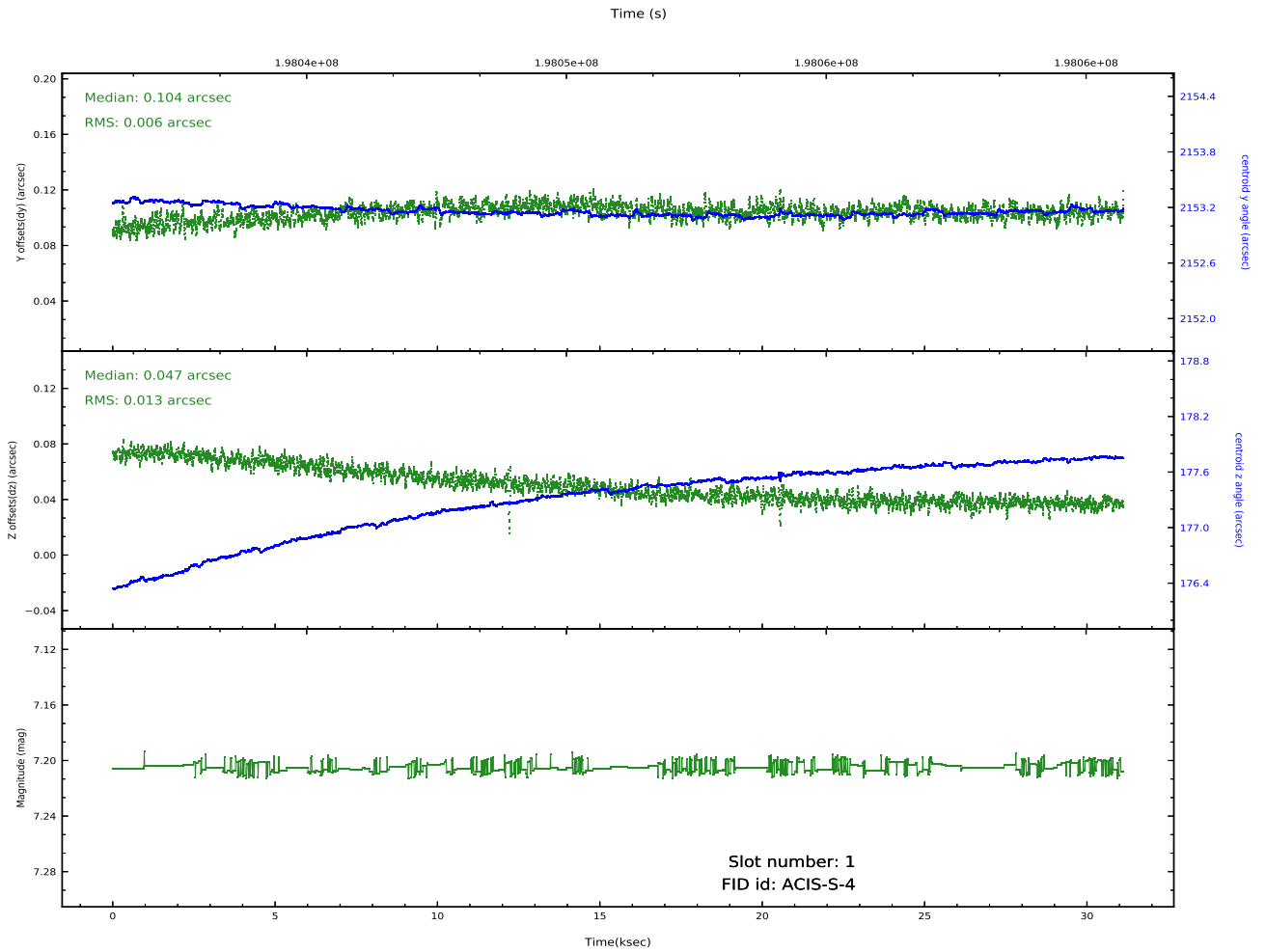
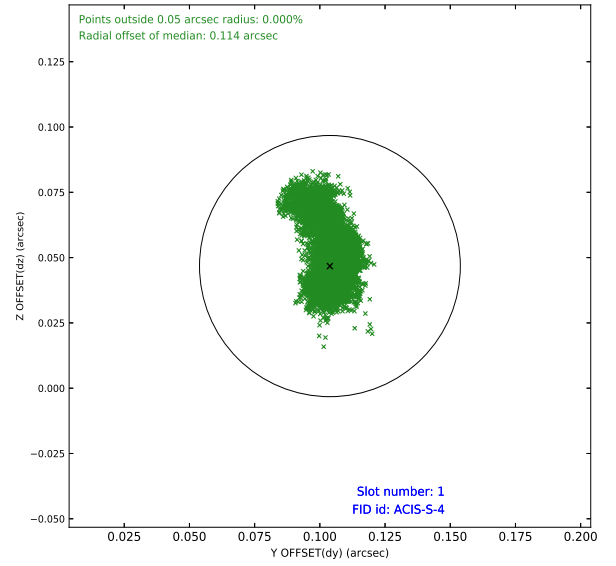
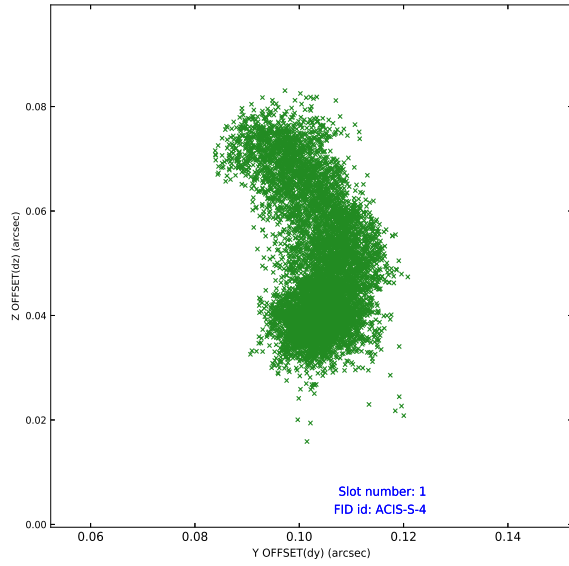
2.5.1 Slot 0



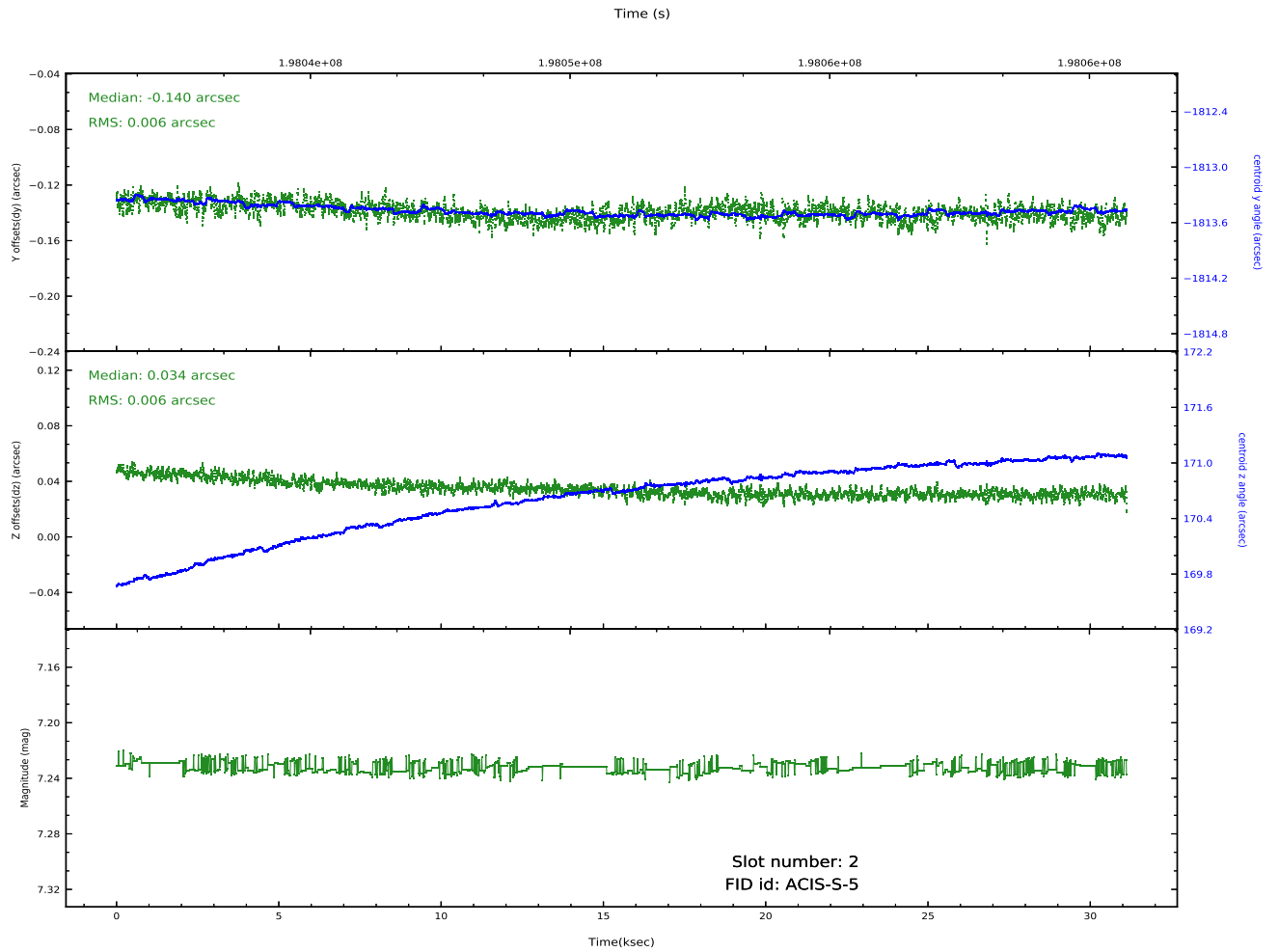
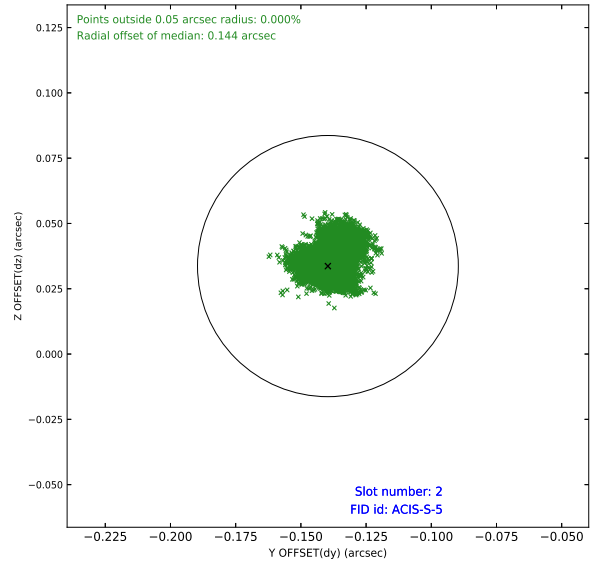
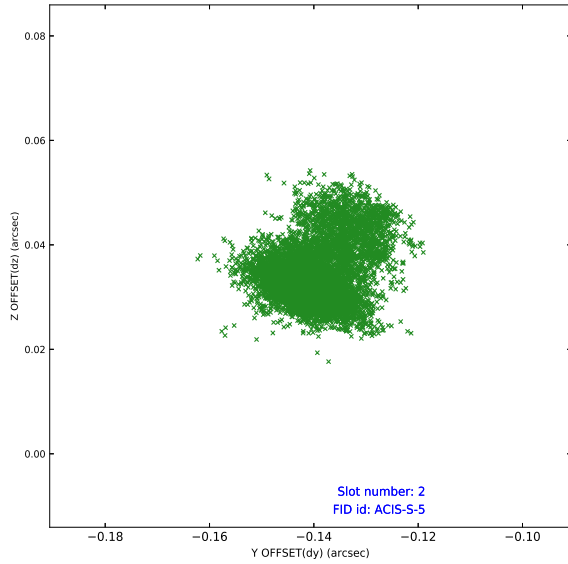
Time (s)



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)	2020.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.121

A.2 Comments

Window constraint satisfied.