

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4844 - L2 Version 4
Chandra X-Ray Center

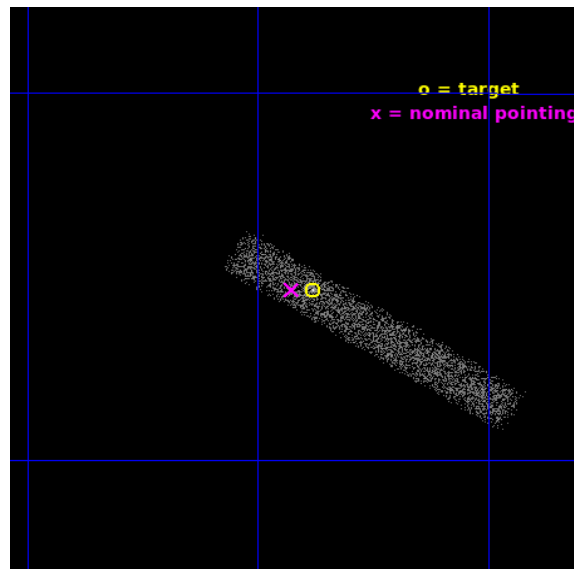
L2 Processing Date : Sep 24 2020

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1 Front

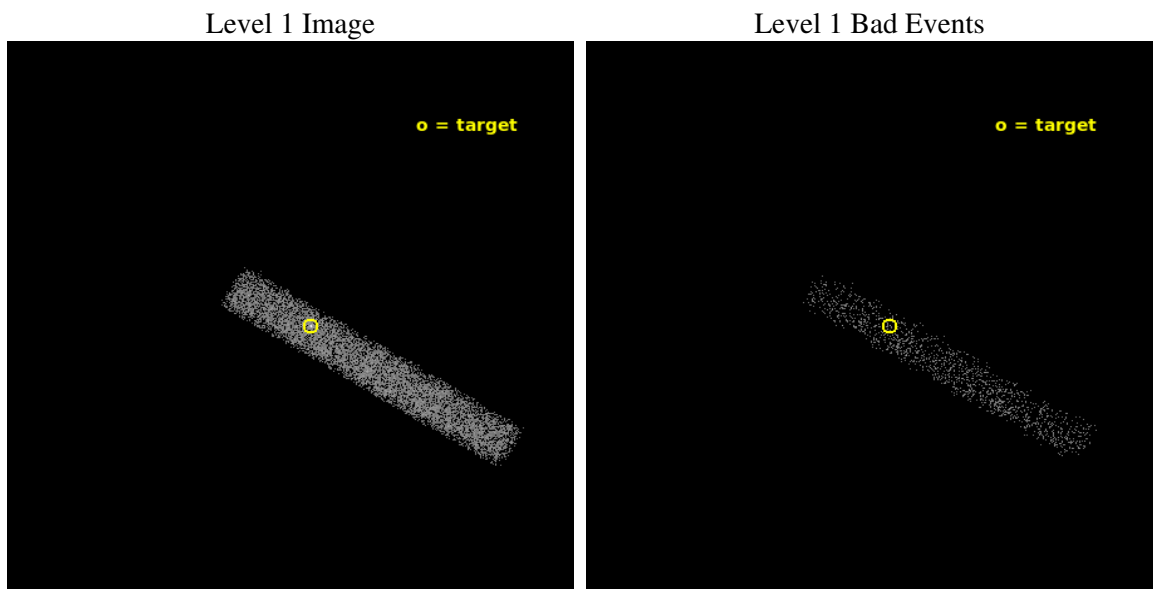
seq_num	700926	Sequence number
obs_id	4844	Observation id
title	Are there any true Seyfert 2 nuclei?	Proposal title
observer	Prof RICHARD POGGE	Principal investigator
object	IC 3639	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.220417	Observer's specified target RA [deg]
dec_targ	-36.756111	Observer's specified target Dec [deg]
ra_nom	190.2315462467	Nominal RA [deg]
dec_nom	-36.755859564057	Nominal Dec [deg]
roll_nom	31.21341664863	Nominal Roll [deg]
revision	4	Processing version of data
ontime	9605.6001431048	Sum of GTIs [s]
livetime	8711.7723046479	Livetime [s]
ontime7	9605.6001431048	Sum of GTIs [s]
l2events	5393	Number of level 2 events



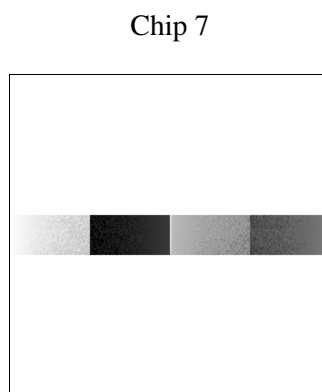
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9151.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9605.6001431048	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	9605.6001431048	Sum of GTIs [s]
date	2020-09-24T18:31:14	Date and time of file creation	l1events	12387	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

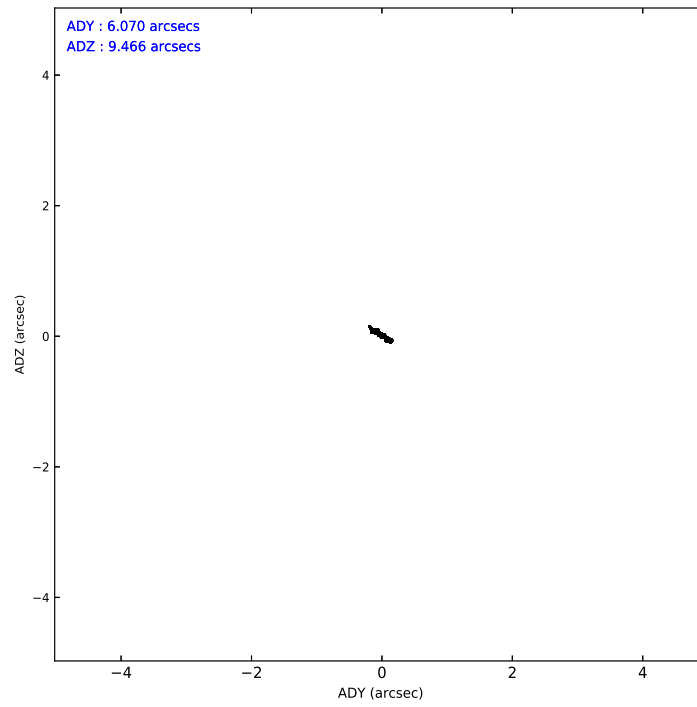
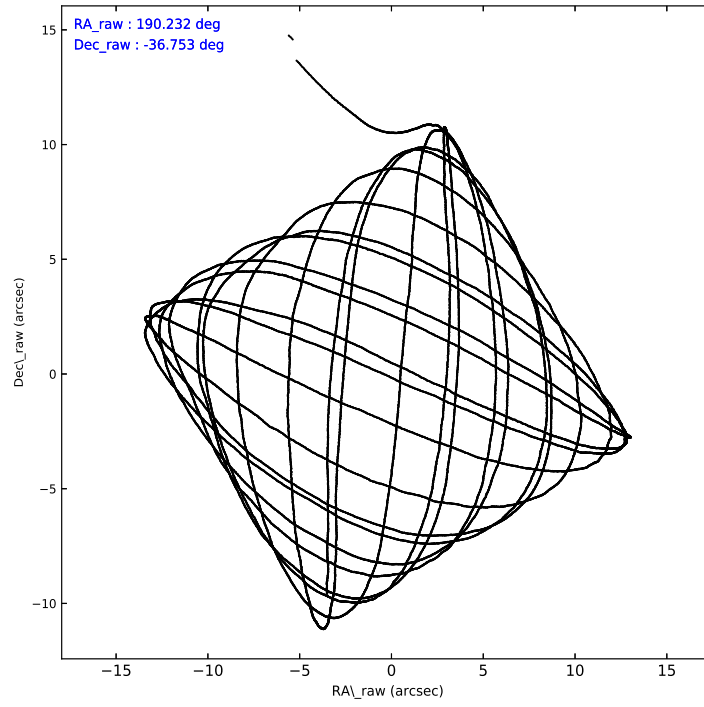
	ccd 7
level 1 events	12387
rejected events	6764
rejected %	54%

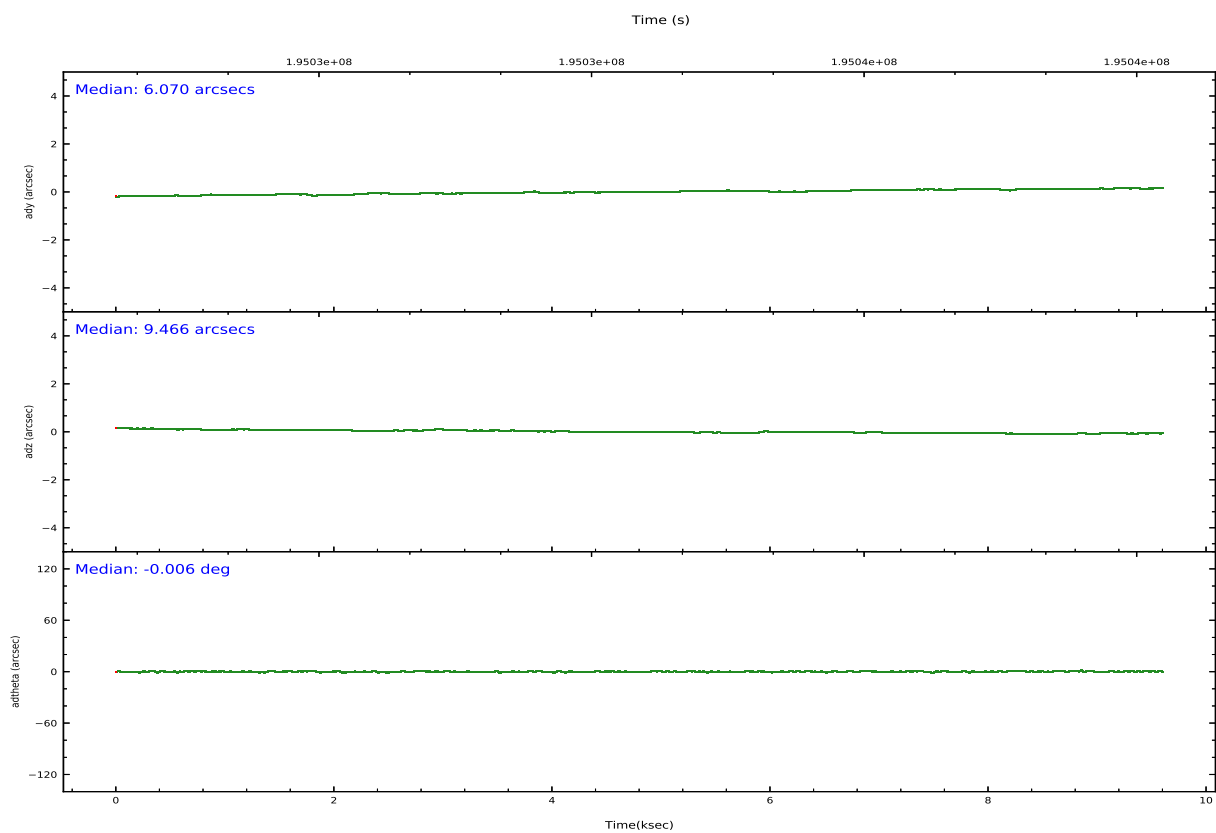
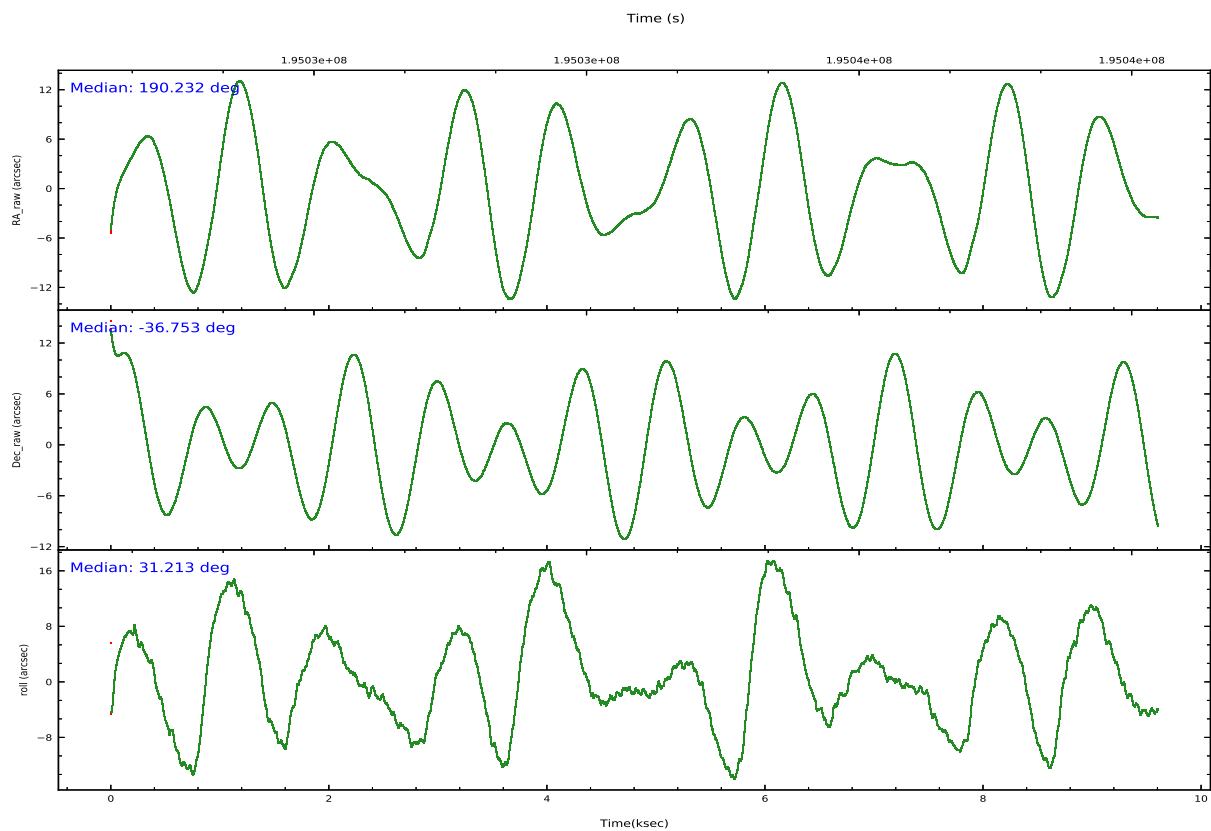
	ccd 7
grade 0 events	751
	6%
grade 1 events	17
	0%
grade 2 events	1157
	9%
grade 3 events	736
	5%
grade 4 events	754
	6%
grade 5 events	1156
	9%
grade 6 events	2445
	19%
grade 7 events	5371
	43%

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	190.215703	190.2315462467	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-36.776666	-36.755859564057	Subarray start row	449	449
[deg] Pointing Roll	31.043633	31.21341664863	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	195028593.184000	195027495.39805			
Observation start date	2004-03-07T06:35:29	2004-03-07T06:18:15			
[s] Observation end time (MET)	195037744.184000	195038946.69855			
Observation end date	2004-03-07T09:08:00	2004-03-07T09:29:06			
Read mode	TIMED	TIMED			

2.3 Aspect



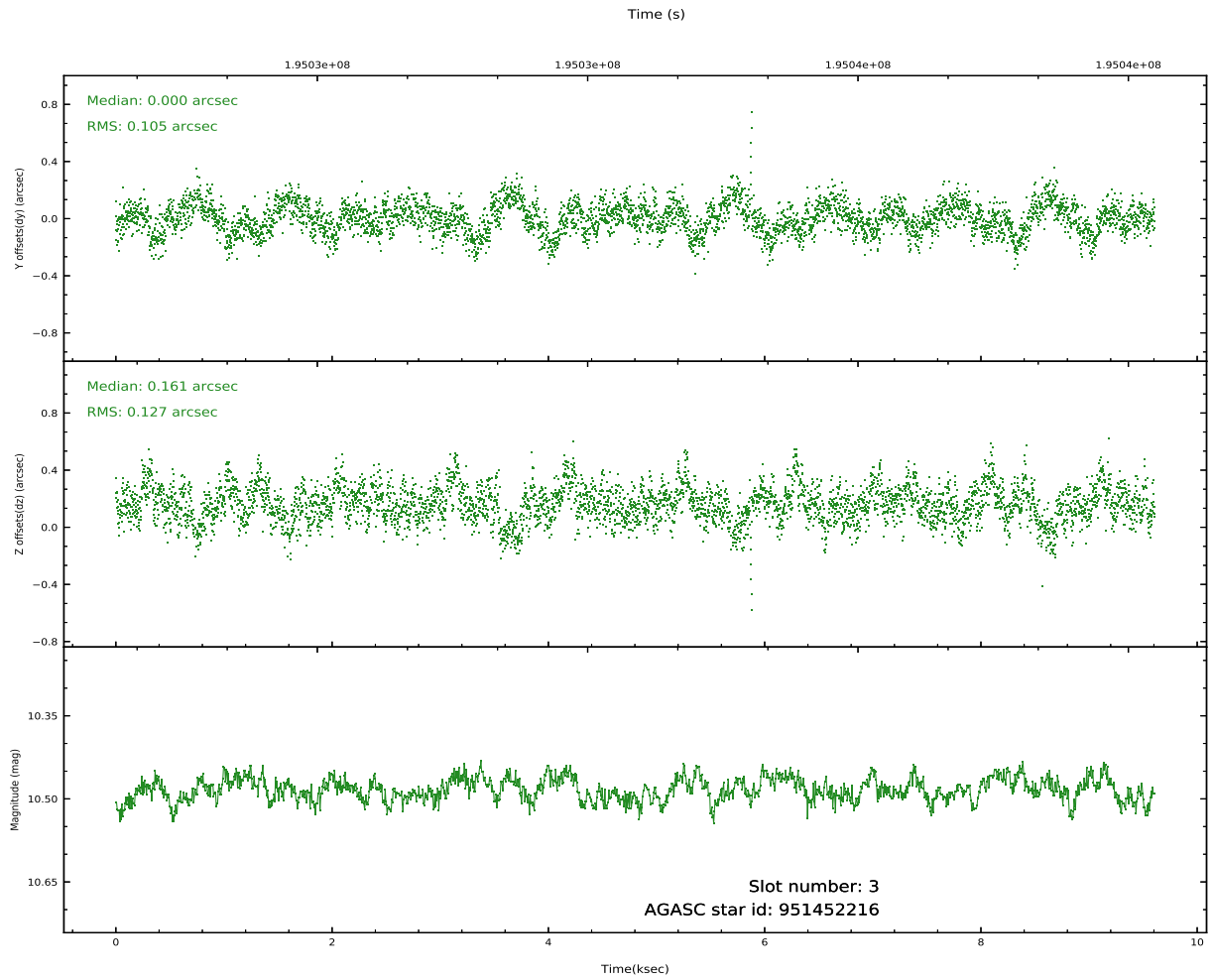
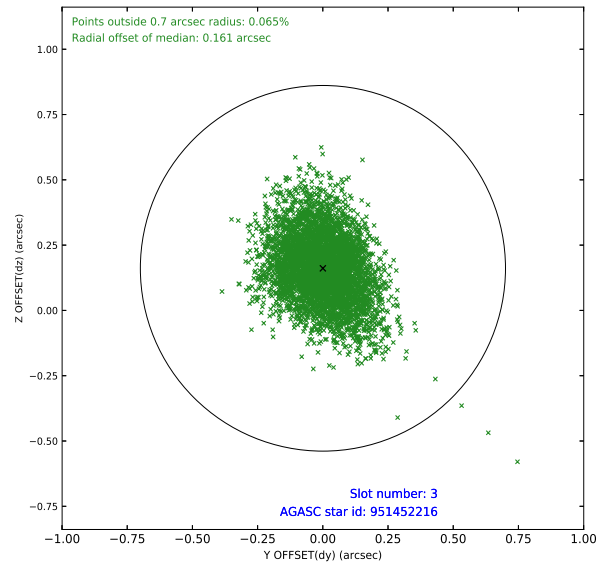
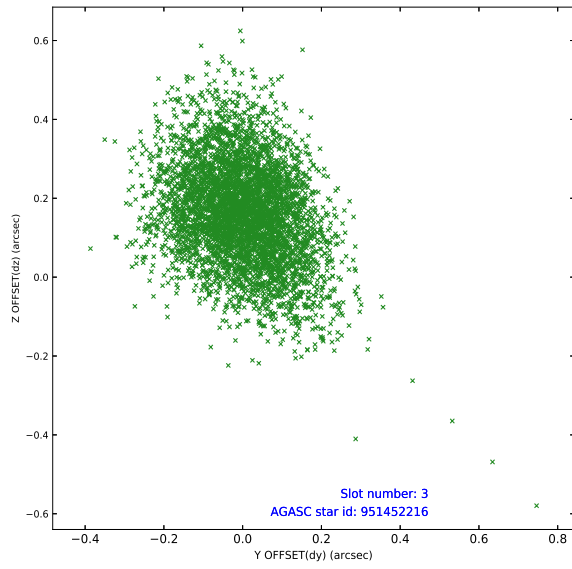


Slot Statistics

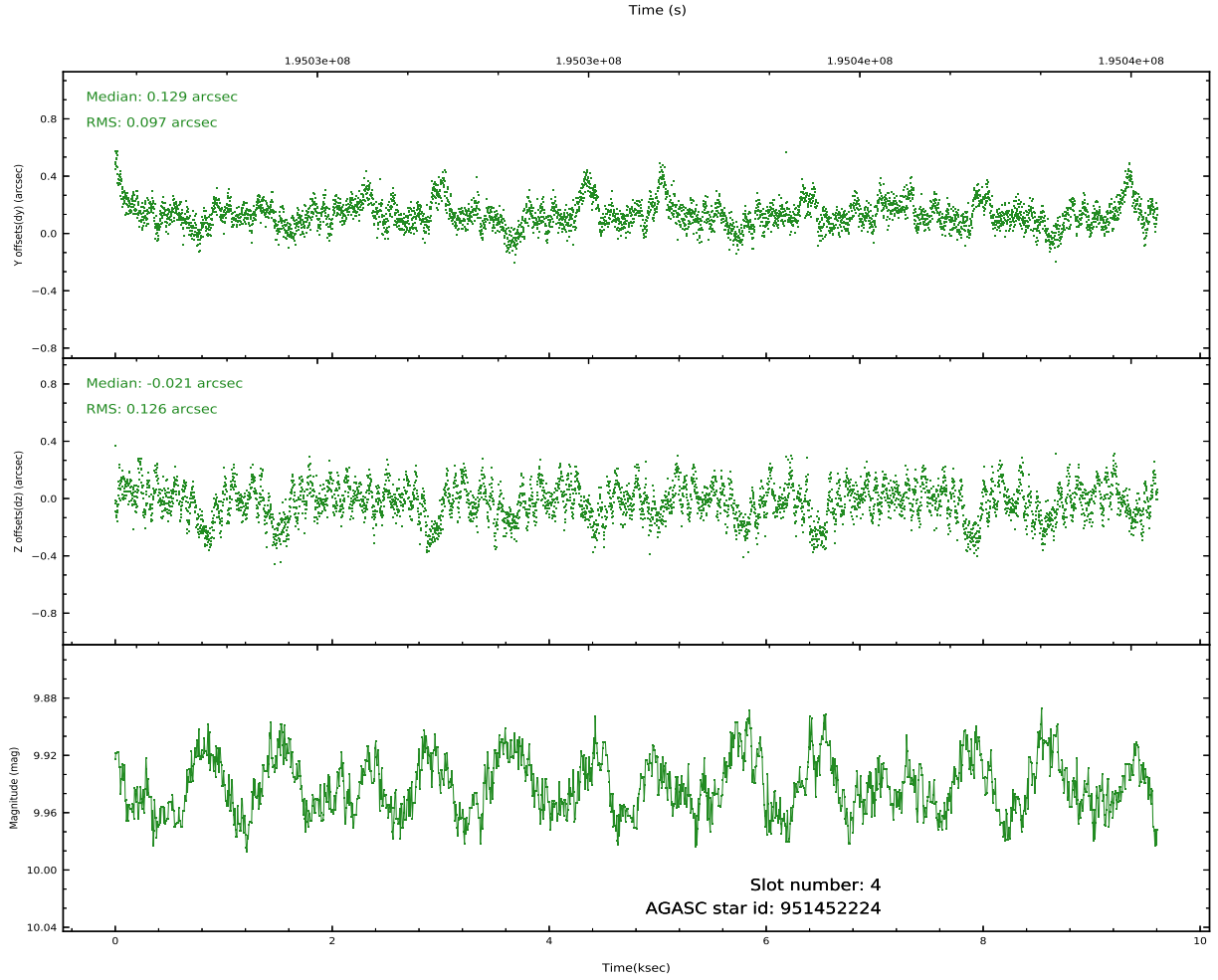
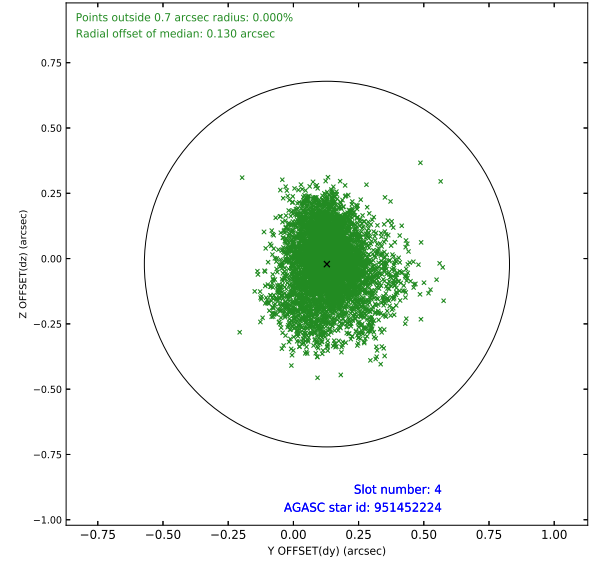
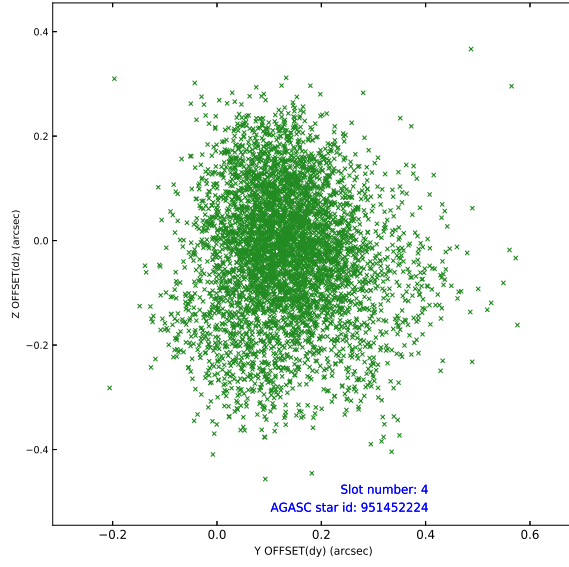
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.18	2344	1.000	0.072	-0.005	0.006	0.009	0.000000	0.000000	937.32	-1726
1	FID		ACIS-S-2	7.10	2344	1.000	-0.052	-0.043	0.007	0.011	0.000000	0.000000	-758.39	-1731
2	FID		ACIS-S-5	7.23	2344	1.000	-0.044	0.054	0.006	0.011	0.000000	0.000000	-1812.21	170
3	GUIDE	used	951452216	10.48	4645	1.000	0.000	0.161	0.172	0.290	190.247007	-37.484924	-1238.12	-2230
4	GUIDE	used	951452224	9.94	4683	1.000	0.129	-0.021	0.168	0.282	190.307510	-37.419411	-968.46	-2118
5	GUIDE	used	951454344	9.25	4686	1.000	0.088	0.043	0.087	0.140	189.998907	-37.289544	-1484.60	-1262
6	GUIDE	used	951461312	7.99	4686	1.000	-0.194	-0.101	0.091	0.141	190.774379	-36.461534	1968.05	133
7	GUIDE	used	951462504	9.58	4683	1.000	-0.027	-0.080	0.107	0.182	190.129636	-36.504997	291.46	966

2.4 Star Slots

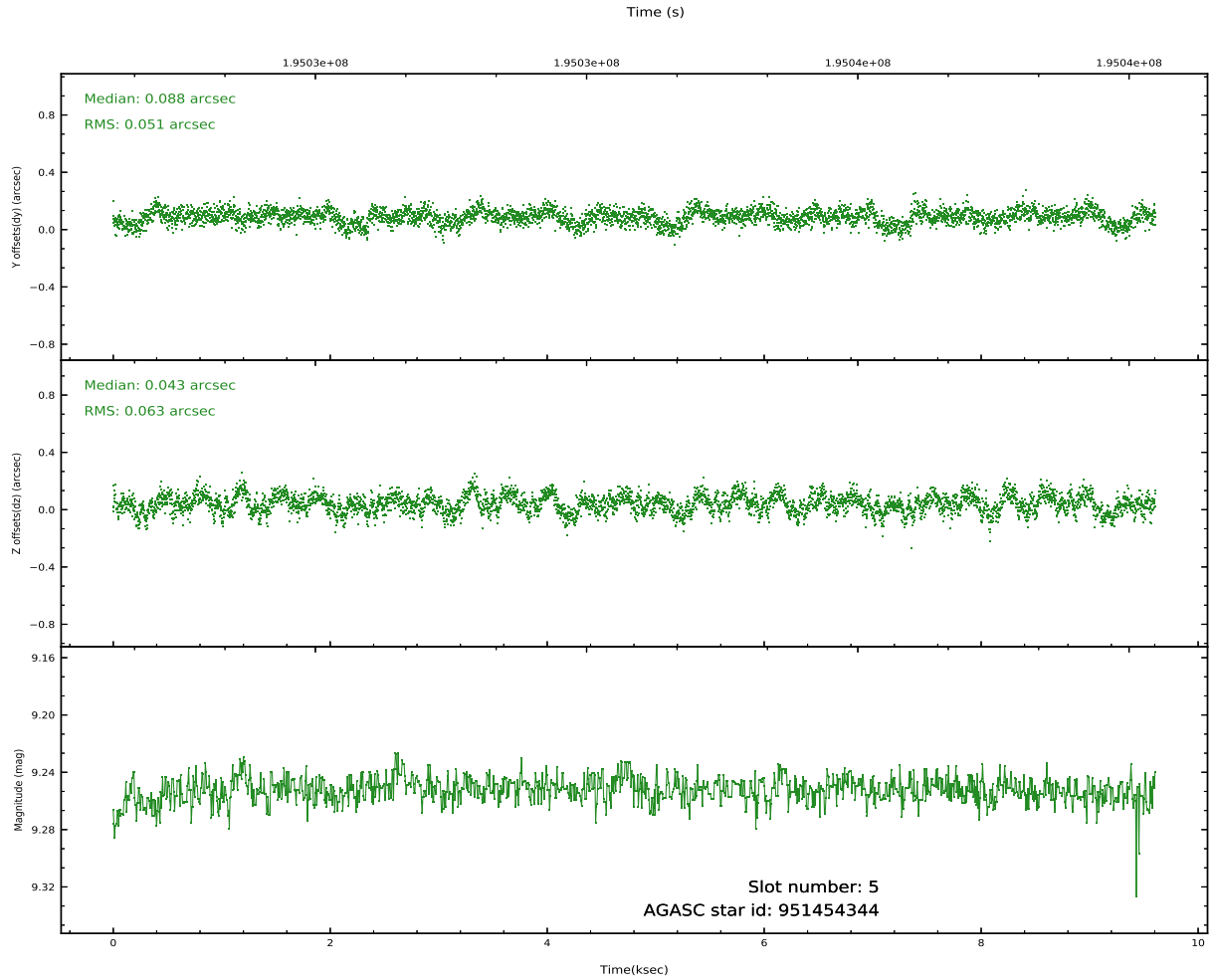
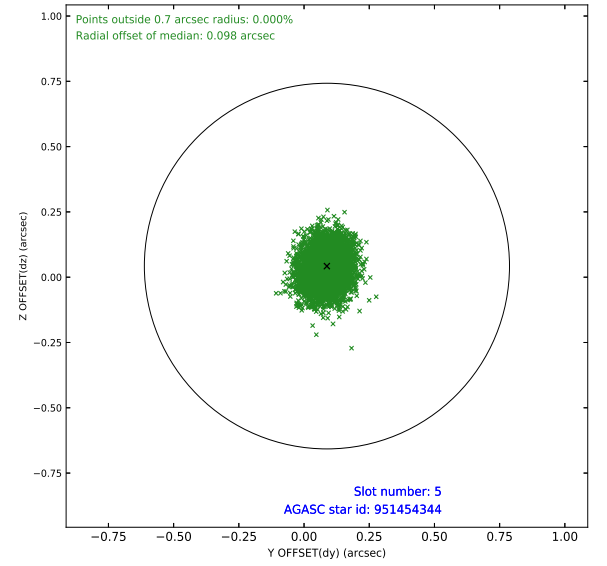
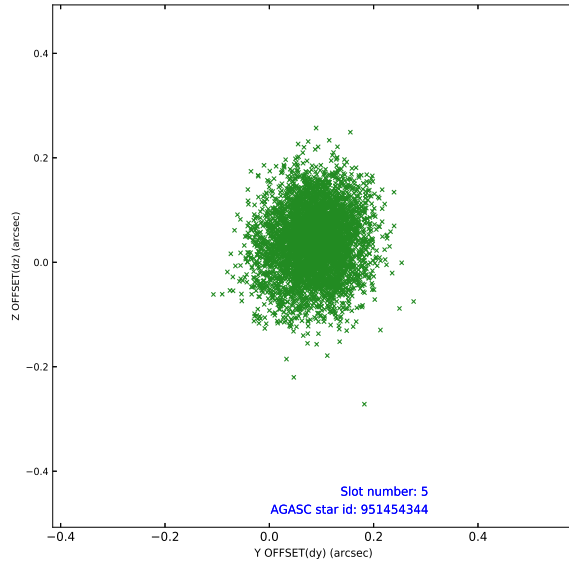
2.4.1 Slot 3



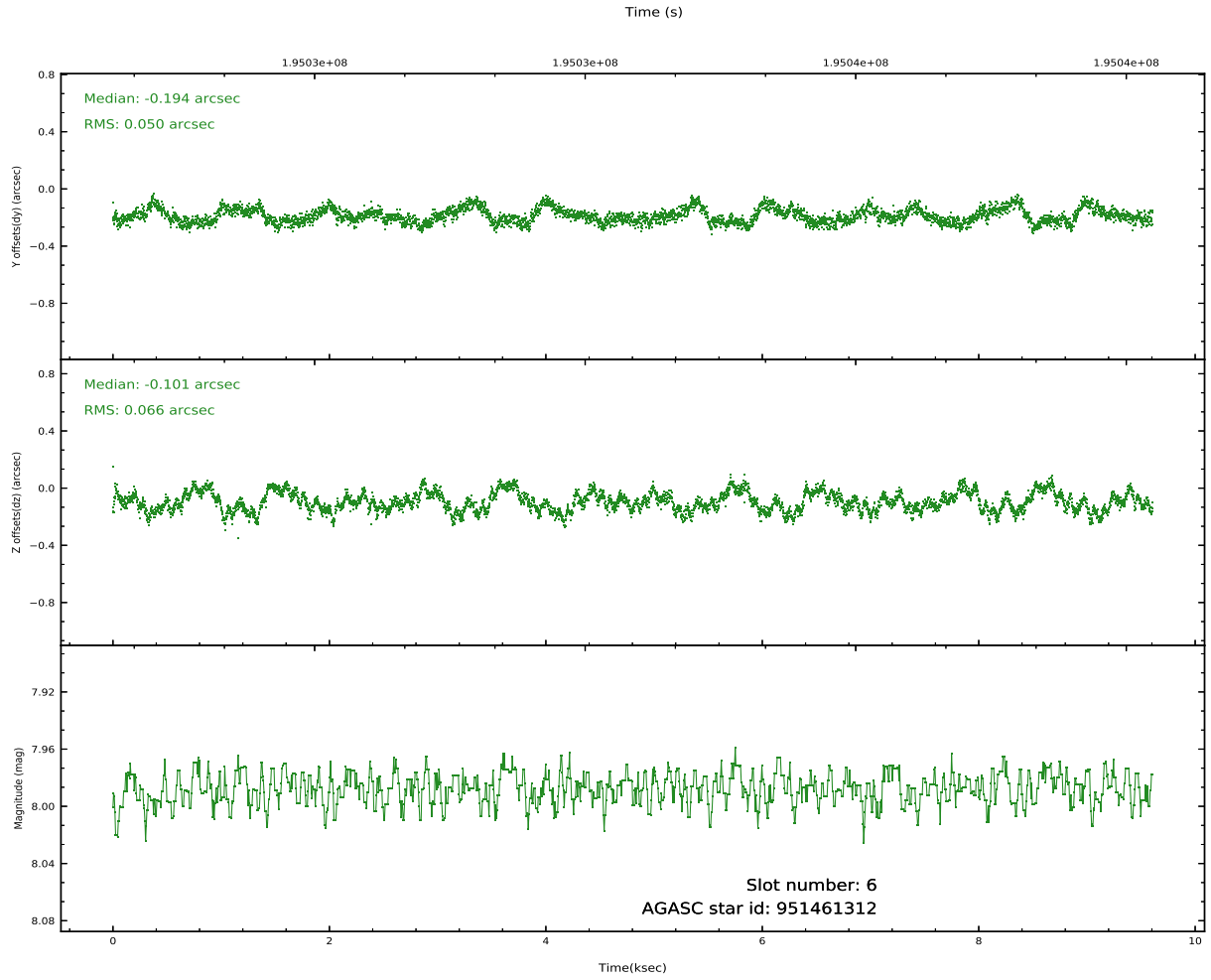
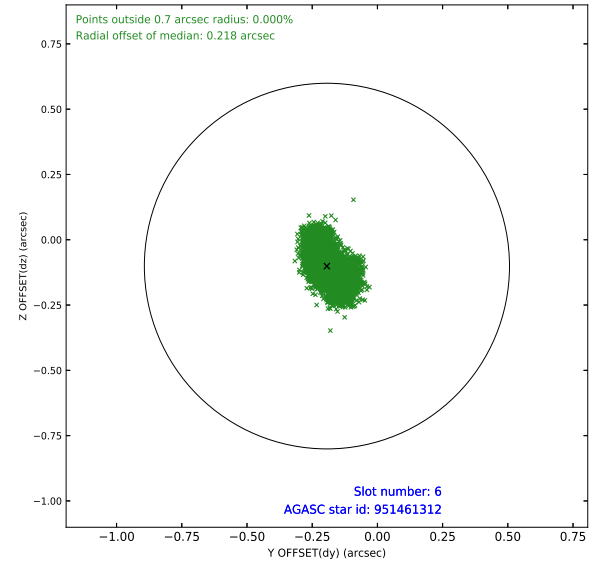
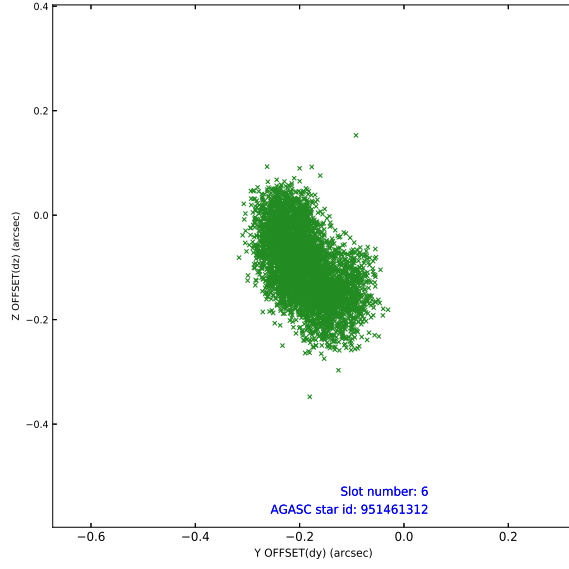
2.4.2 Slot 4



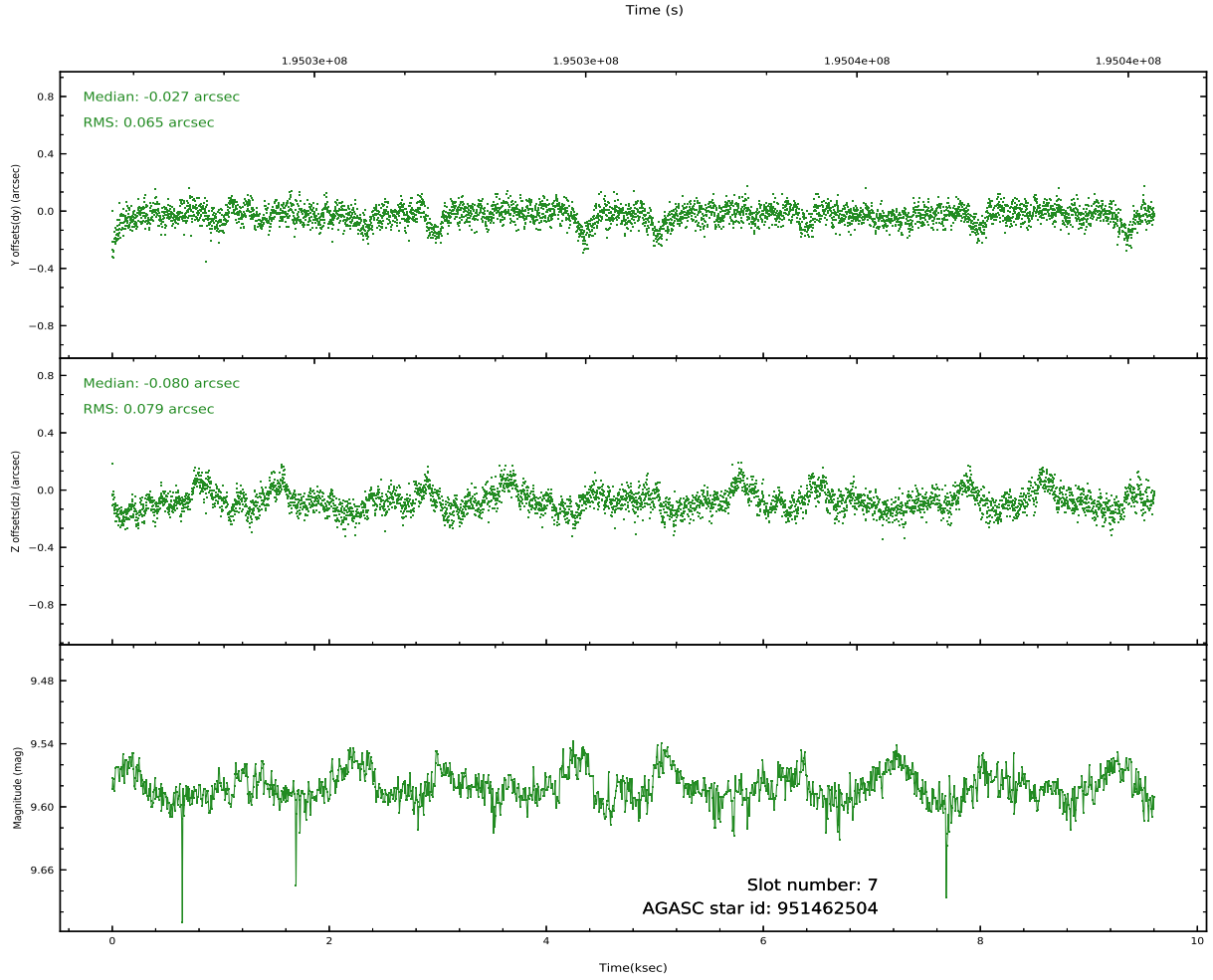
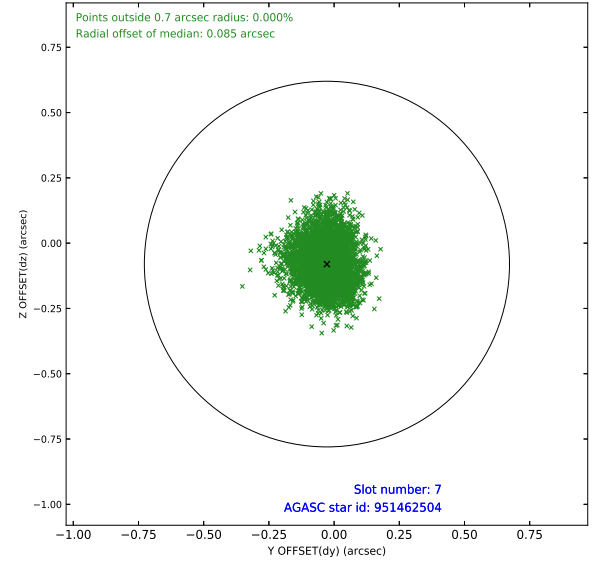
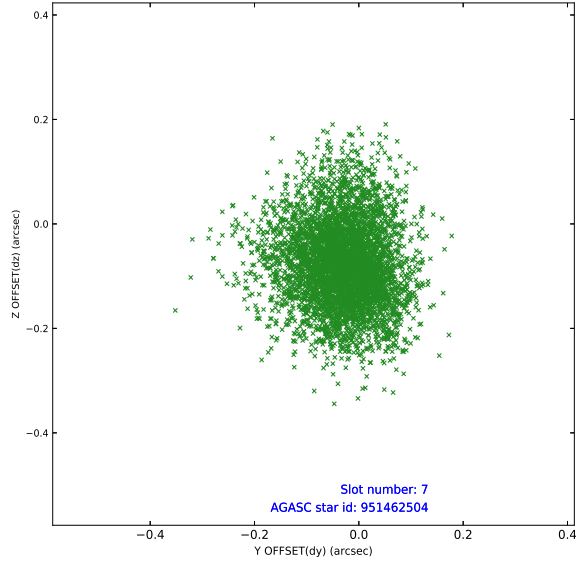
2.4.3 Slot 5



2.4.4 Slot 6

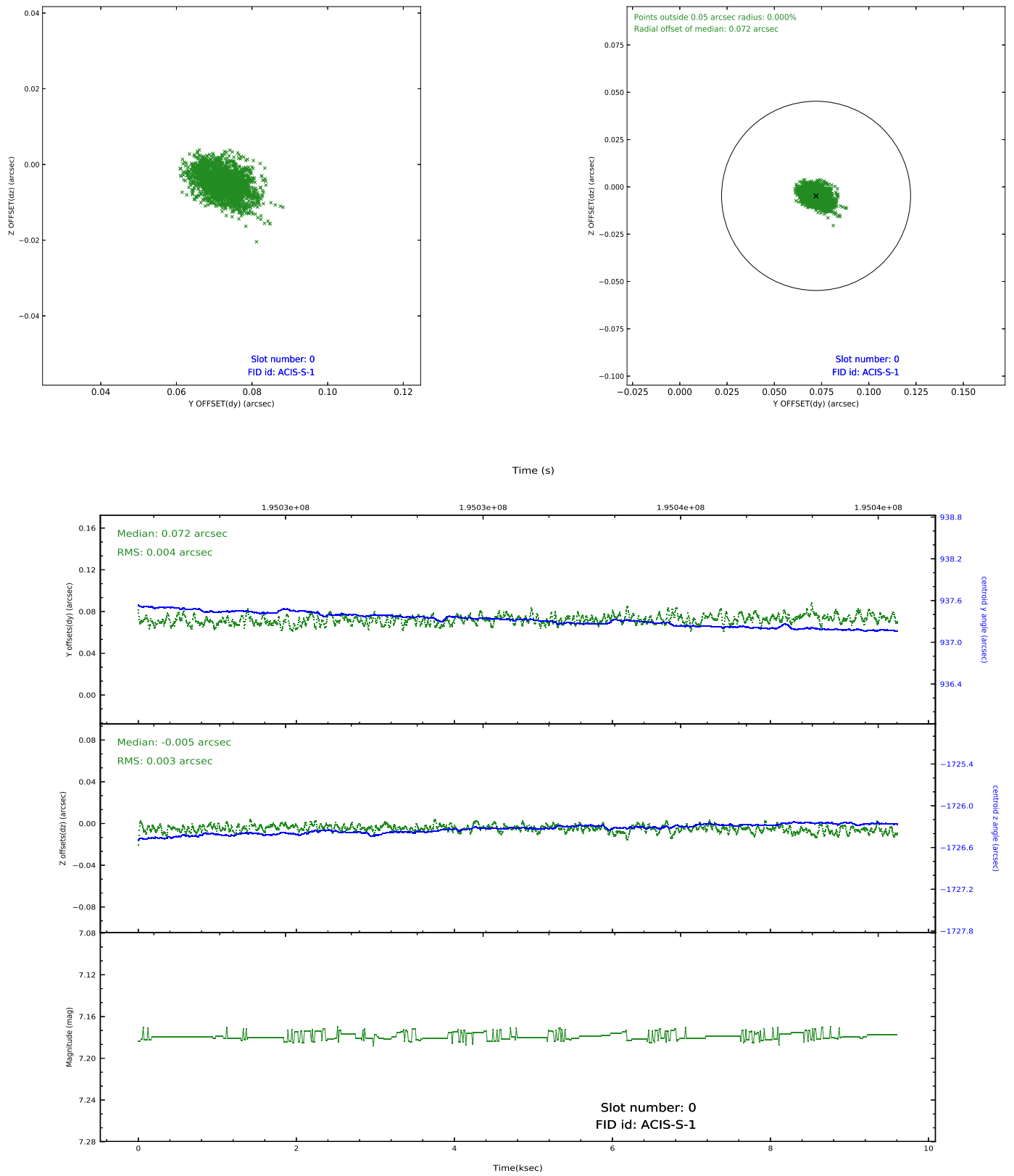


2.4.5 Slot 7

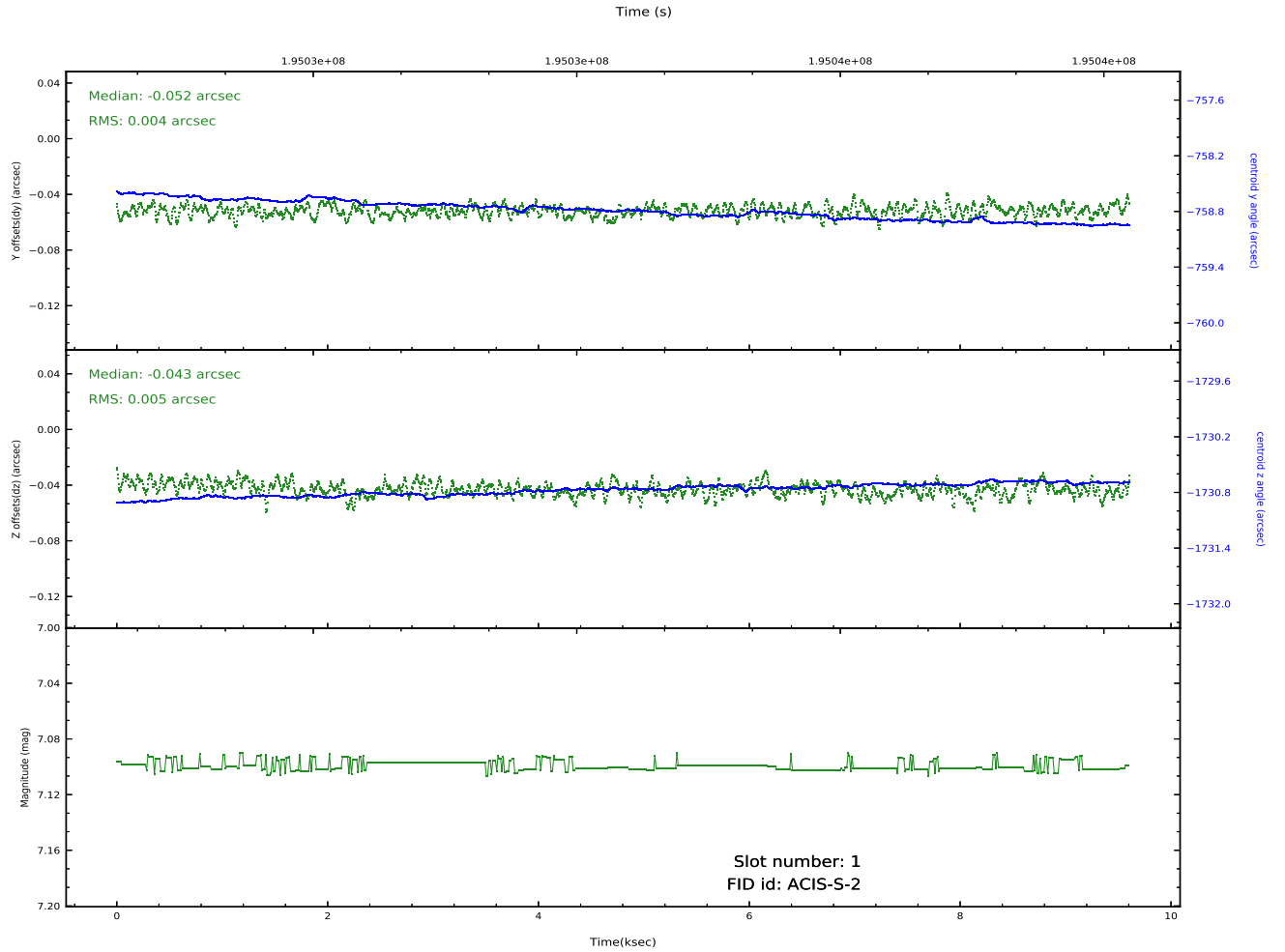
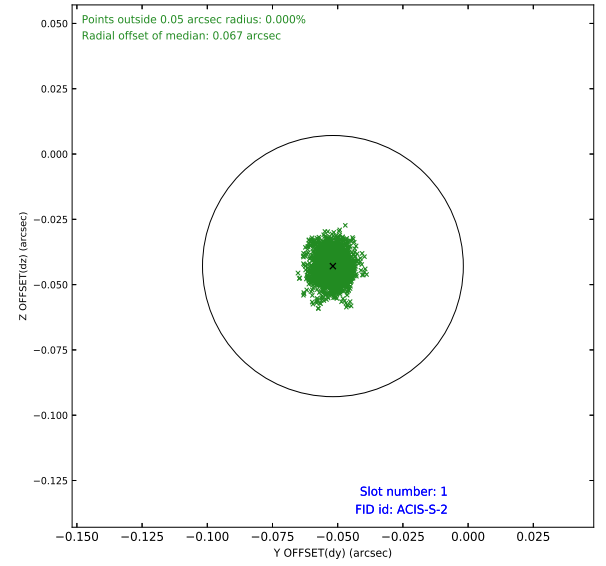
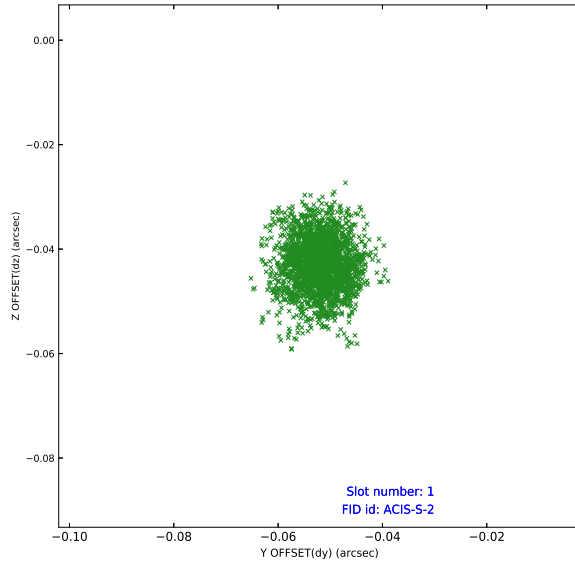


2.5 FID Slots

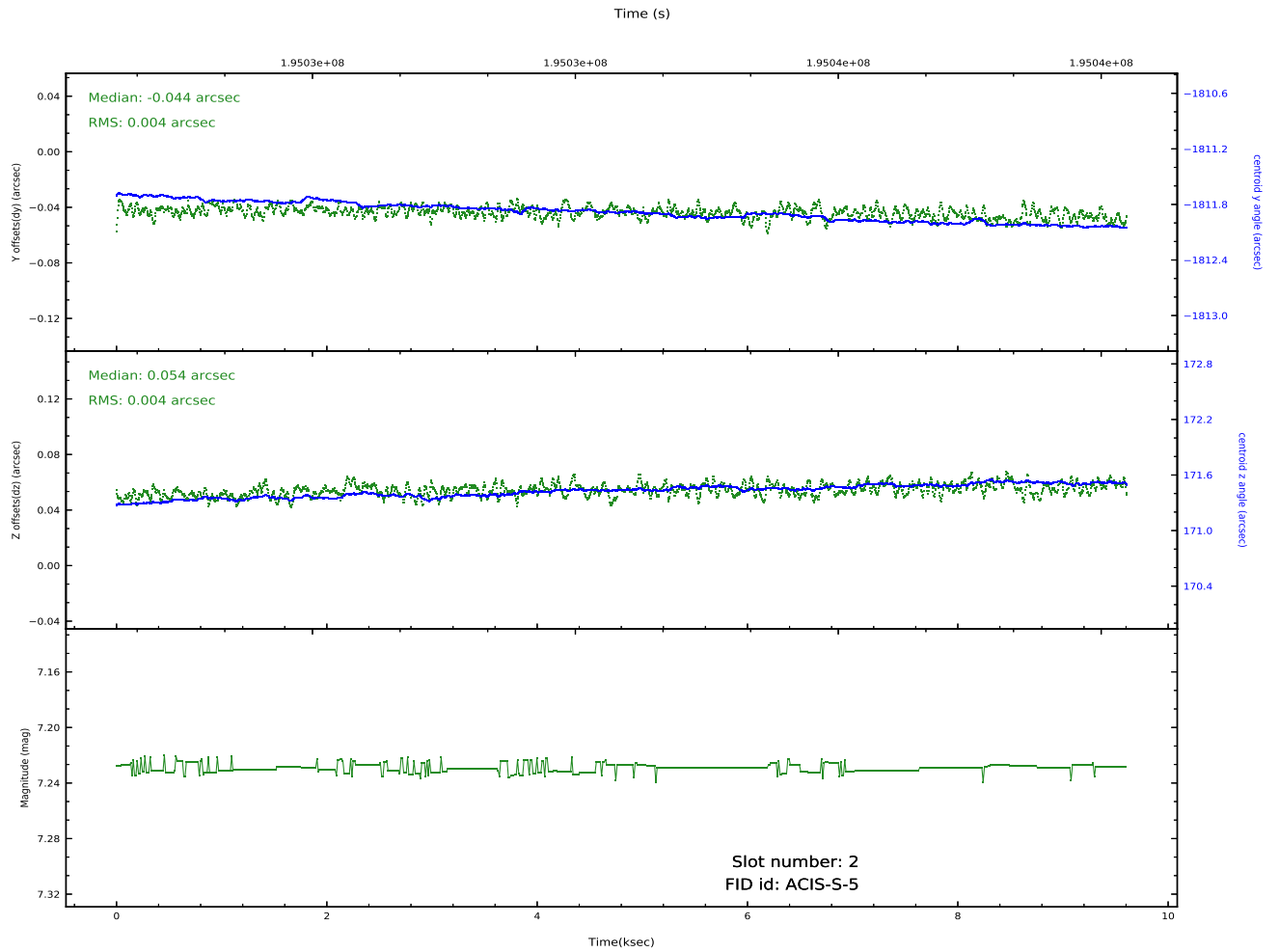
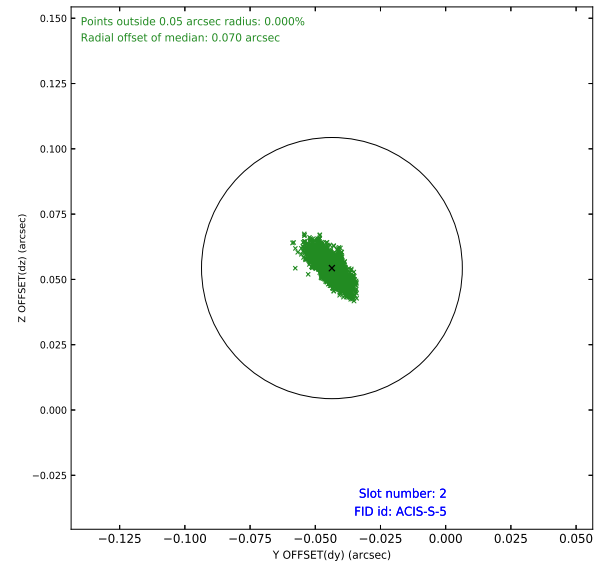
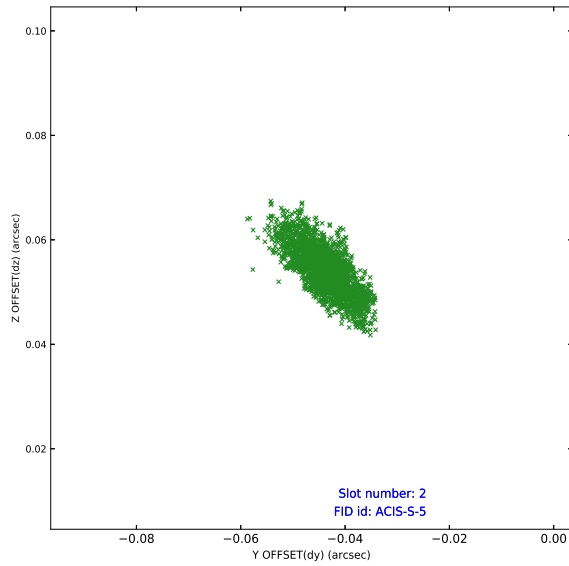
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.605

A.2 Comments