

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5909 - L2 Version 5
Chandra X-Ray Center

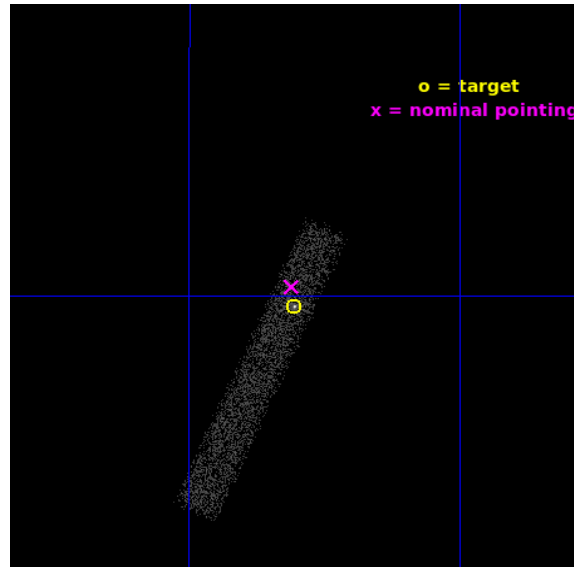
L2 Processing Date : Oct 6 2020

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1 Front

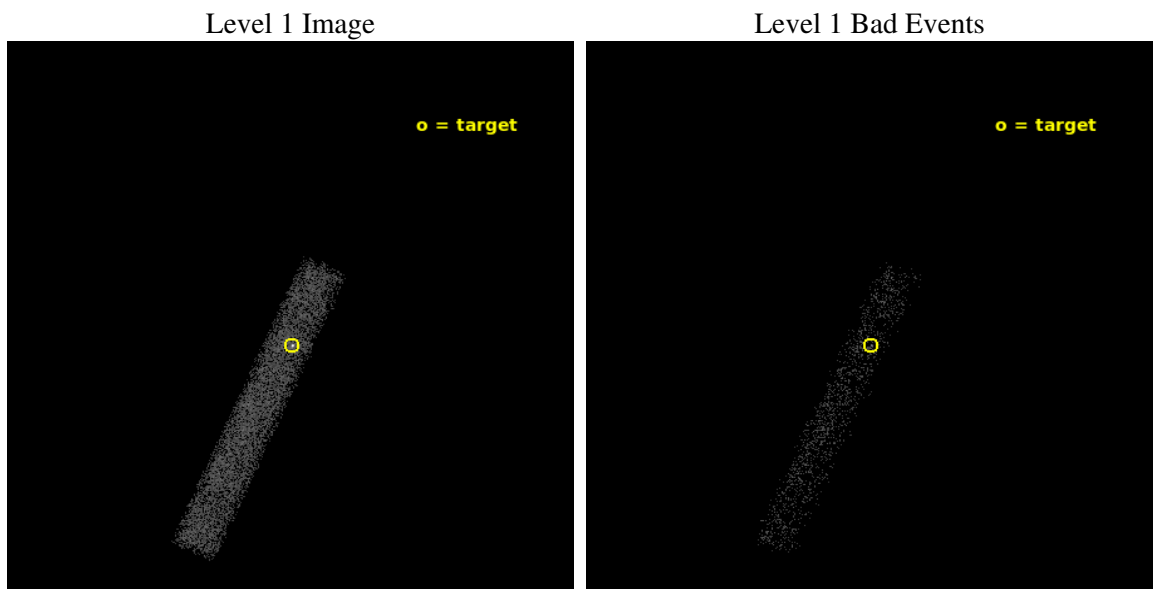
seq_num	600428	Sequence number
obs_id	5909	Observation id
title	Dust-to-gas ratio in the z=0.44 lens galaxy B1152+199	Proposal tit
observer	Dr. Kristian Pedersen	Principal investigator
object	B1152+199	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.82625	Observer's specified target RA [deg]
dec_targ	19.661722	Observer's specified target Dec [deg]
ra_nom	178.82735253052	Nominal RA [deg]
dec_nom	19.670609514134	Nominal Dec [deg]
roll_nom	113.95168990957	Nominal Roll [deg]
revision	5	Processing version of data
ontime	9132.0001360476	Sum of GTIs [s]
livetime	8282.2420969052	Livetime [s]
ontime7	9132.0001360476	Sum of GTIs [s]
l2events	7135	Number of level 2 events



2 OBI

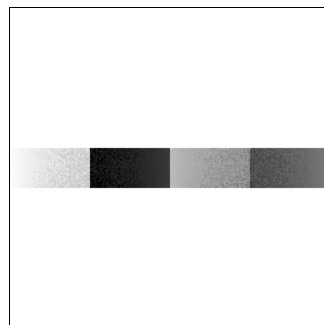
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	9132.0001360476	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	9132.0001360476	Sum of GTIs [s]
date	2020-10-06T22:46:41	Date and time of file creation	l1events	15439	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

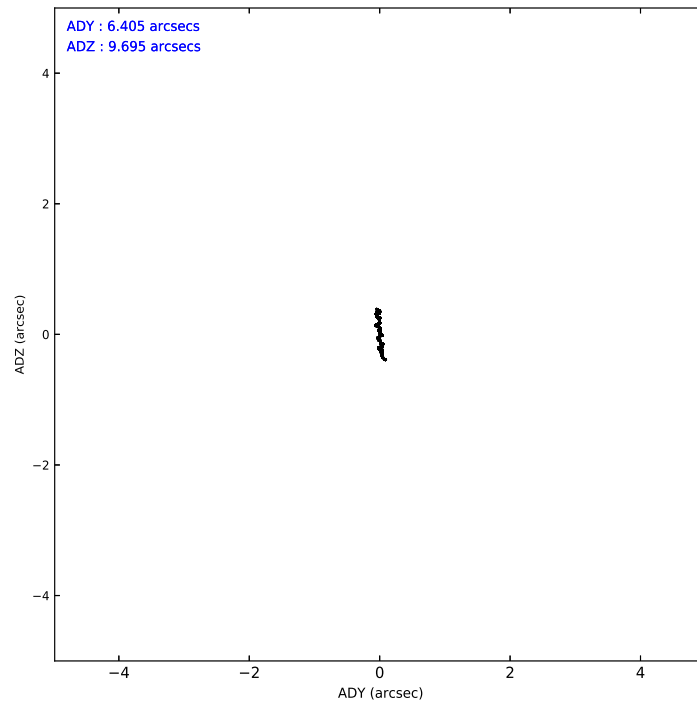
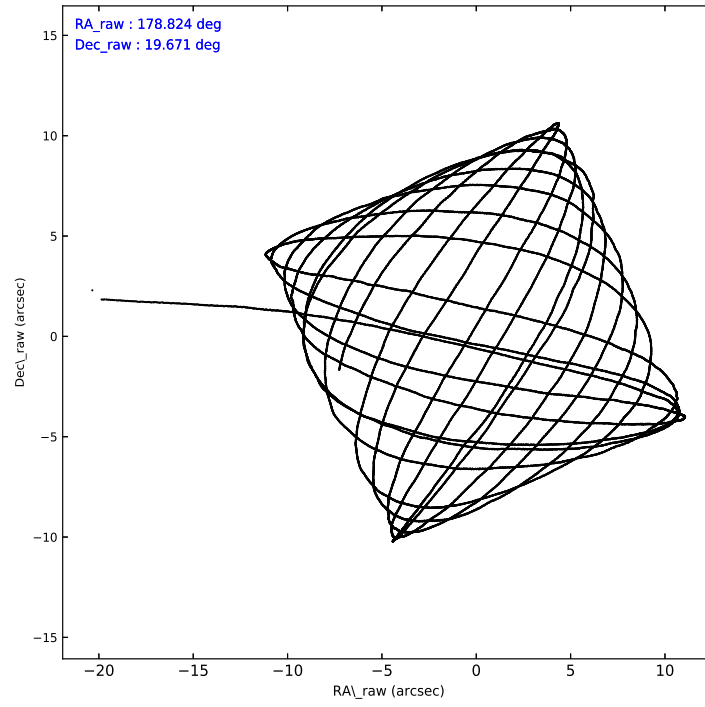
	ccd 7
level 1 events	15439
rejected events	8092
rejected %	52%

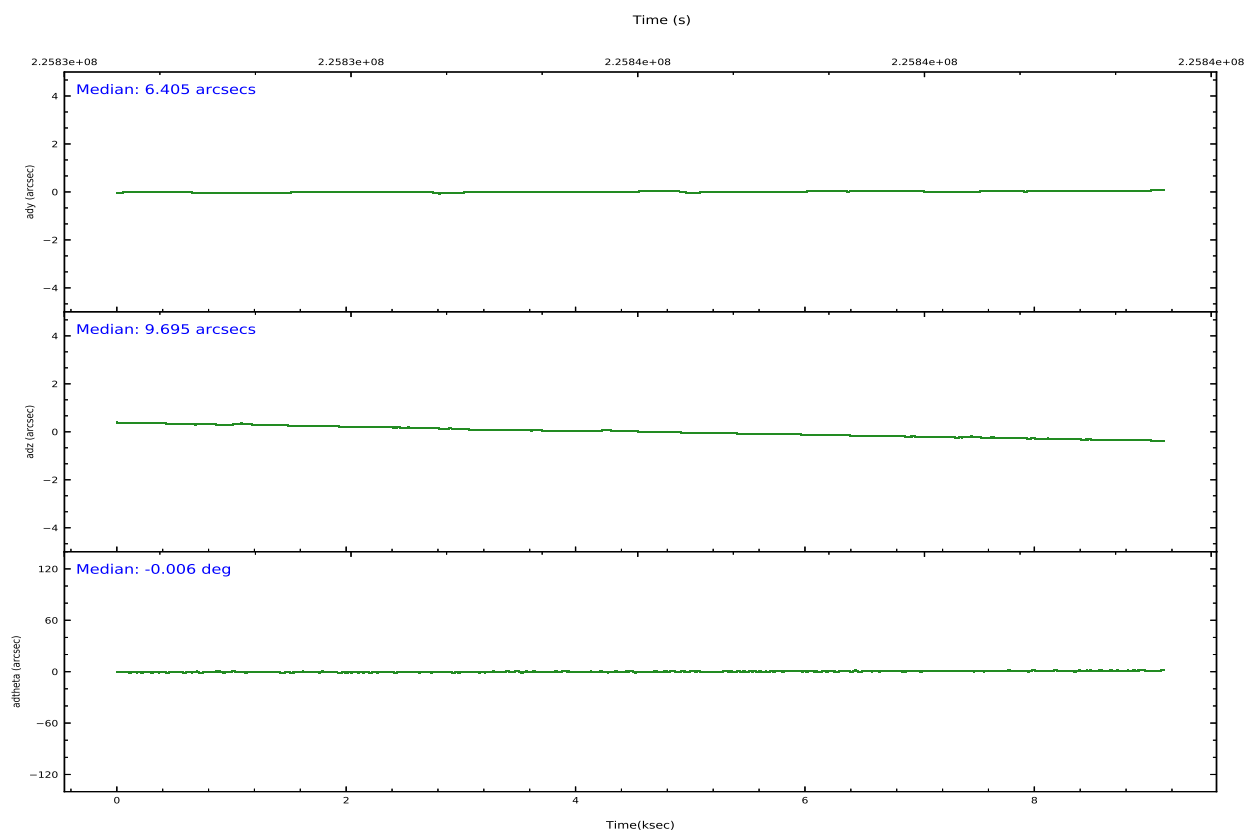
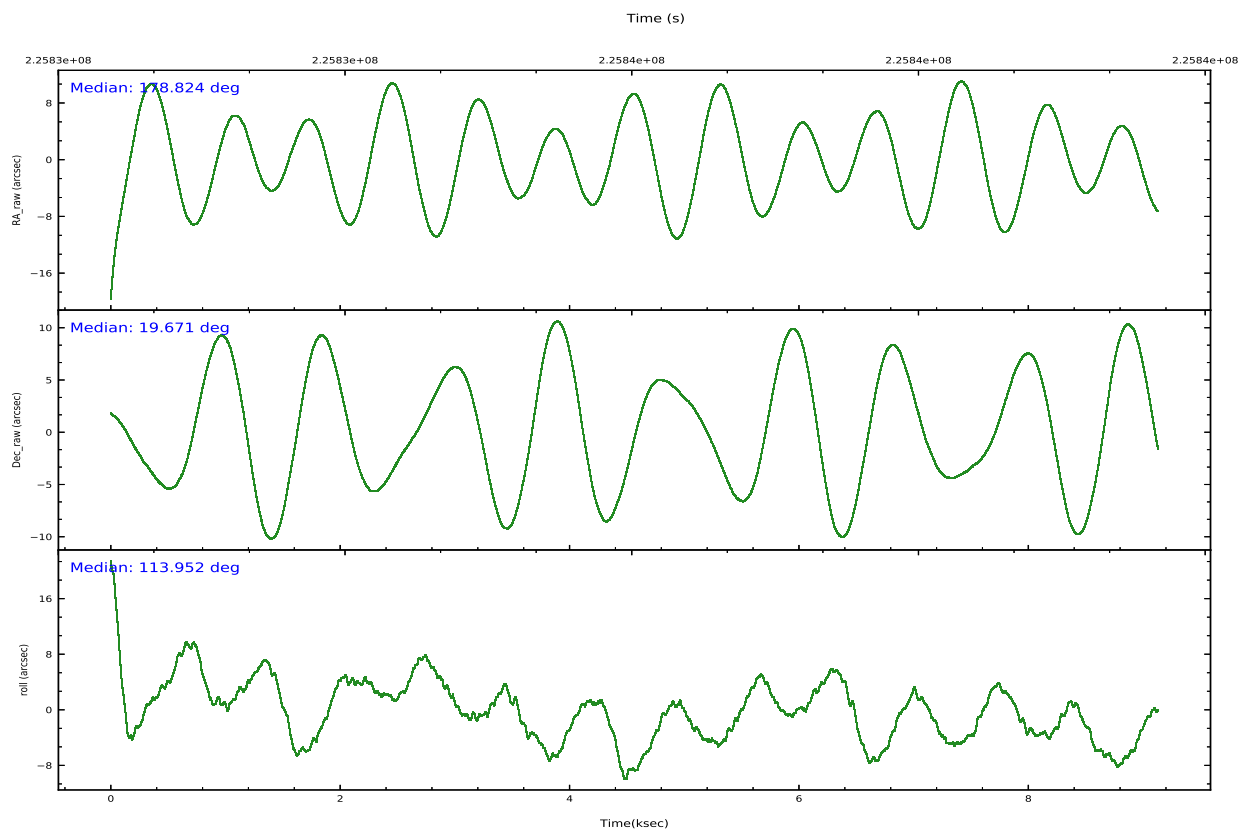
	ccd 7
grade 0 events	1285
	8%
grade 1 events	14
	0%
grade 2 events	1610
	10%
grade 3 events	1003
	6%
grade 4 events	959
	6%
grade 5 events	1337
	8%
grade 6 events	3187
	20%
grade 7 events	6044
	39%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	178.847399	178.82735253052	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.655379	19.670609514134	Subarray start row	449	449
[deg] Pointing Roll	113.792888	113.95168990957	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)	225830590.184000	225829355.62107			
Observation start date	2005-02-26T18:42:06	2005-02-26T18:22:35			
[s] Observation end time (MET)	225839590.184000	225840007.42155			
Observation end date	2005-02-26T21:12:06	2005-02-26T21:20:07			
Read mode	TIMED	TIMED			

2.3 Aspect



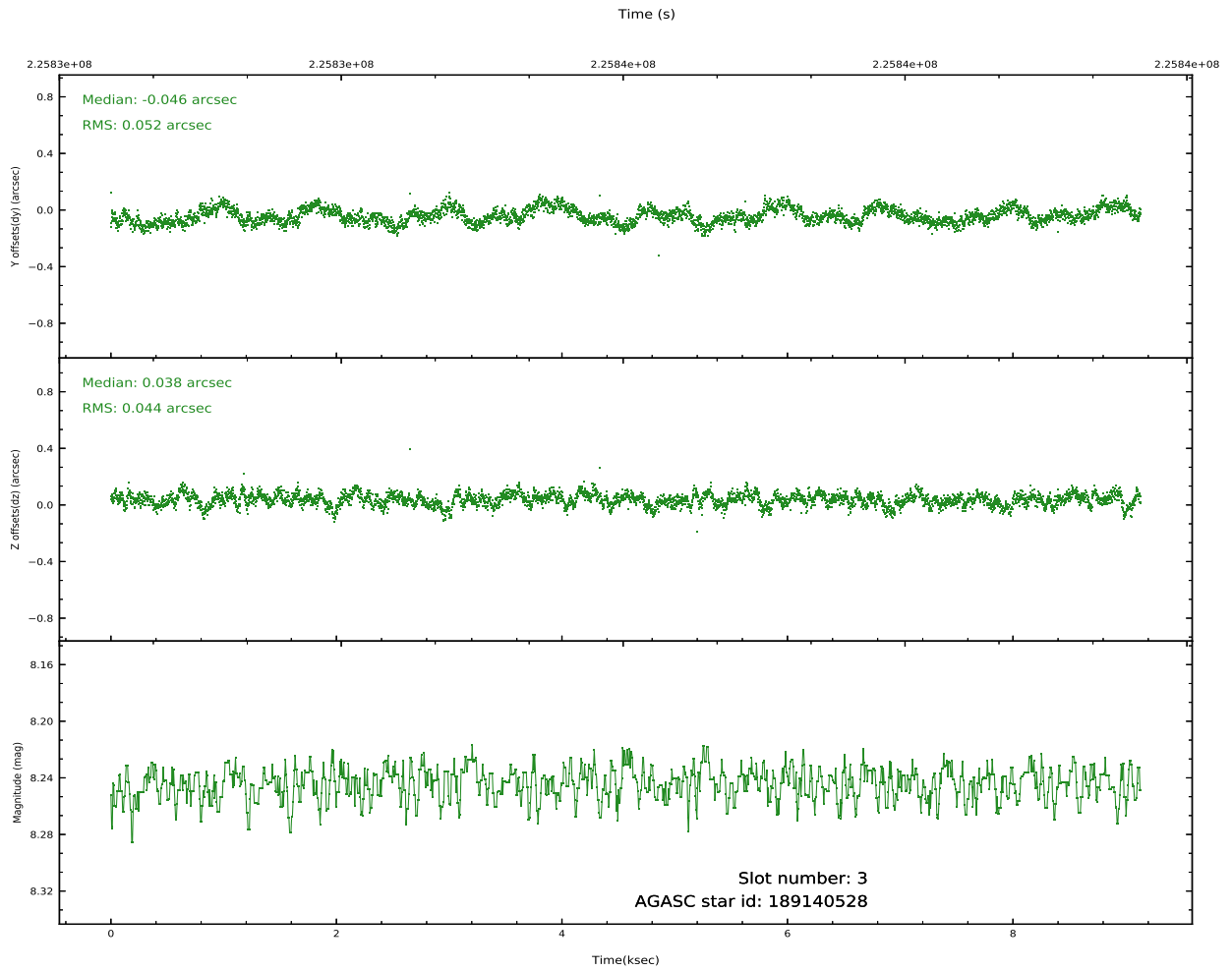
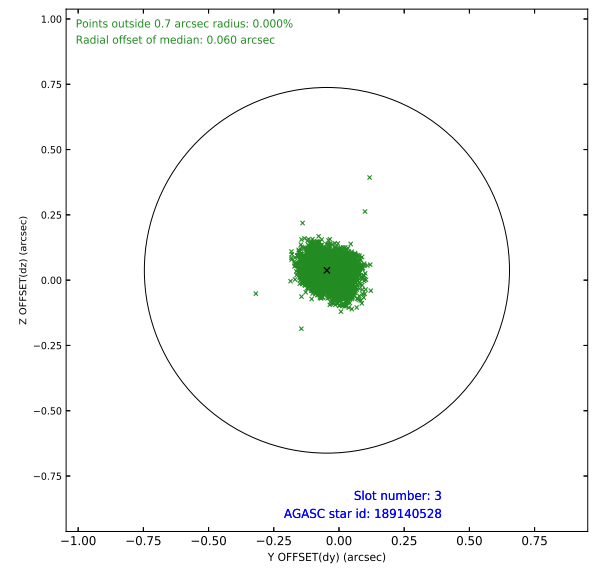
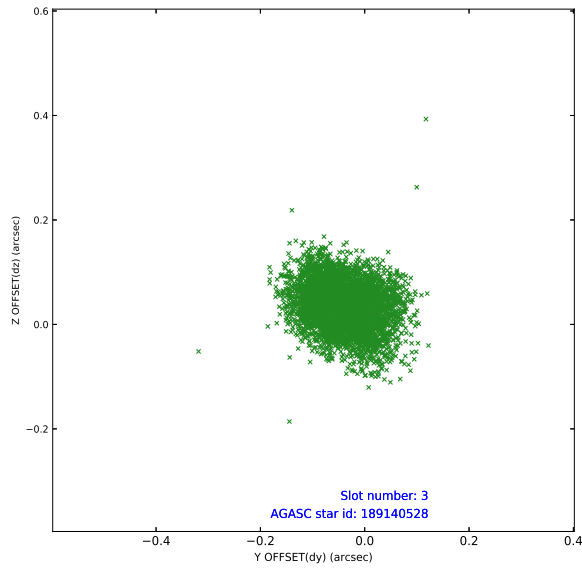


Slot Statistics

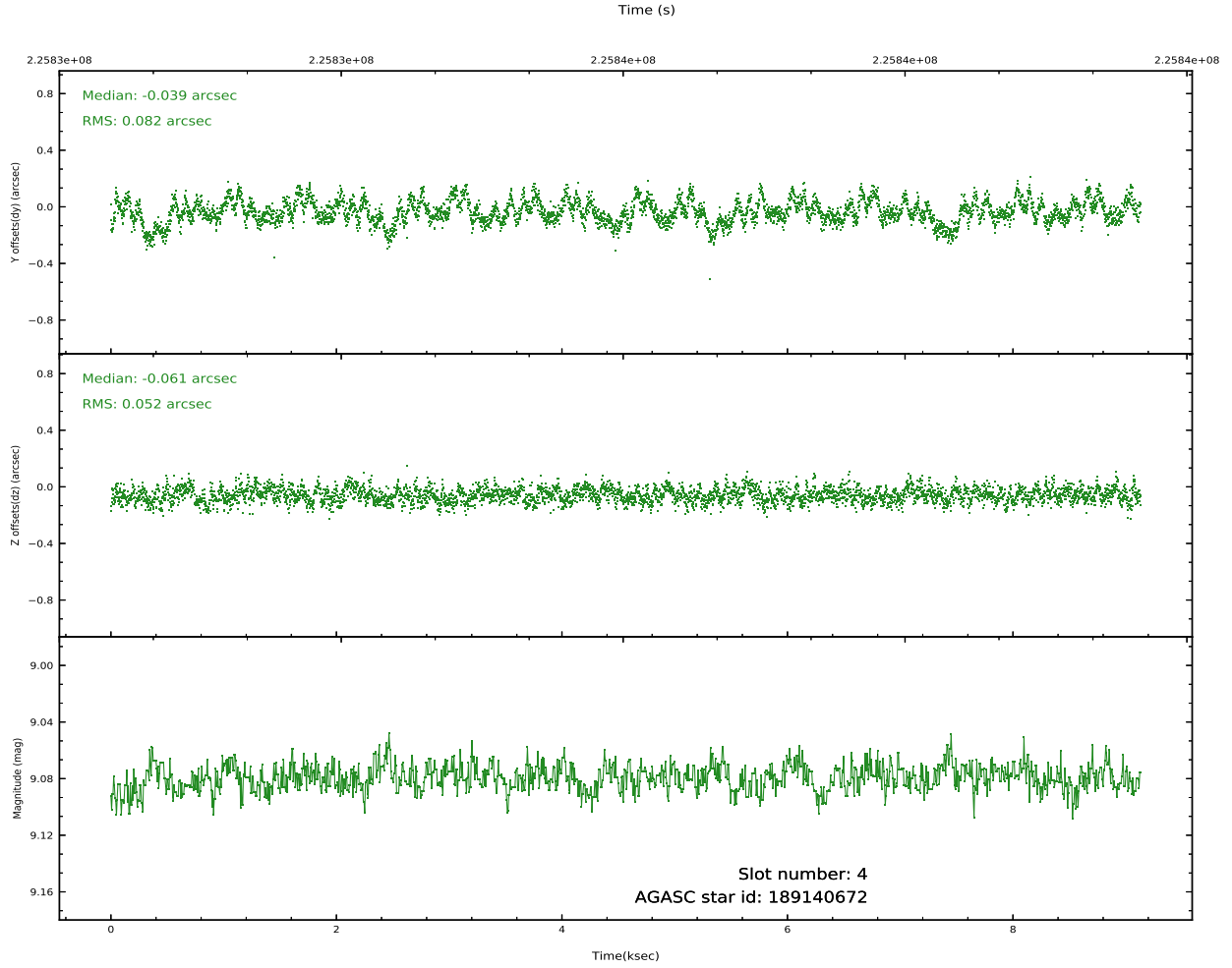
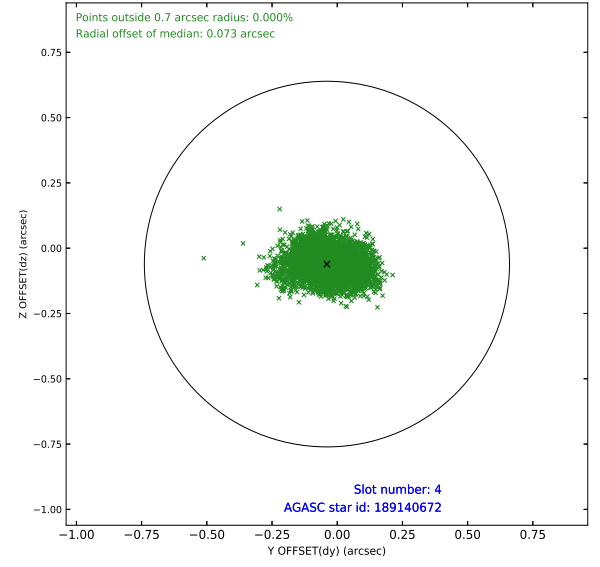
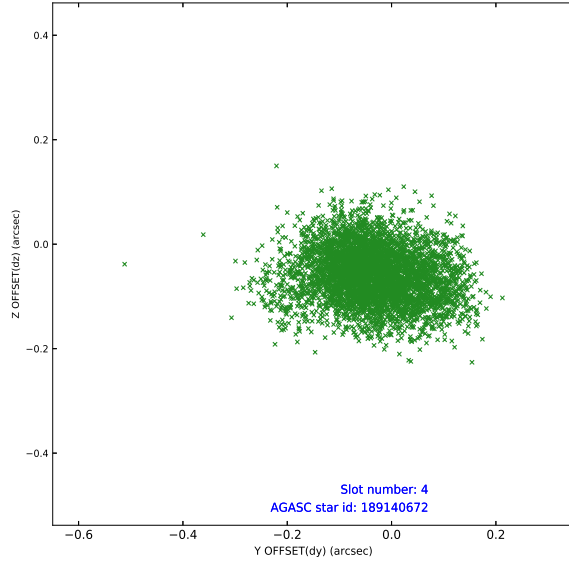
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2228	1.000	-0.083	-0.063	0.009	0.014	0.000000	0.000000	-759.18	-1731
1	FID		ACIS-S-4	7.20	2228	1.000	0.141	0.057	0.007	0.013	0.000000	0.000000	2154.00	177
2	FID		ACIS-S-5	7.23	2228	1.000	-0.089	0.015	0.008	0.013	0.000000	0.000000	-1811.31	171
3	GUIDE	used	189140528	8.24	4453	1.000	-0.046	0.038	0.072	0.116	178.633618	19.411233	-510.35	1021
4	GUIDE	used	189140672	9.08	4454	1.000	-0.039	-0.061	0.101	0.173	178.601271	18.918622	-2088.83	1836
5	GUIDE	used	189143880	8.02	4456	1.000	-0.020	0.088	0.098	0.144	179.370549	19.983904	371.61	-2095
6	GUIDE	used	189152000	10.74	4285	1.000	0.124	-0.077	0.271	0.424	178.365175	19.560035	347.81	1634
7	GUIDE	used	189140696	8.43	4455	1.000	-0.029	0.019	0.074	0.120	178.646164	19.427835	-472.81	958

2.4 Star Slots

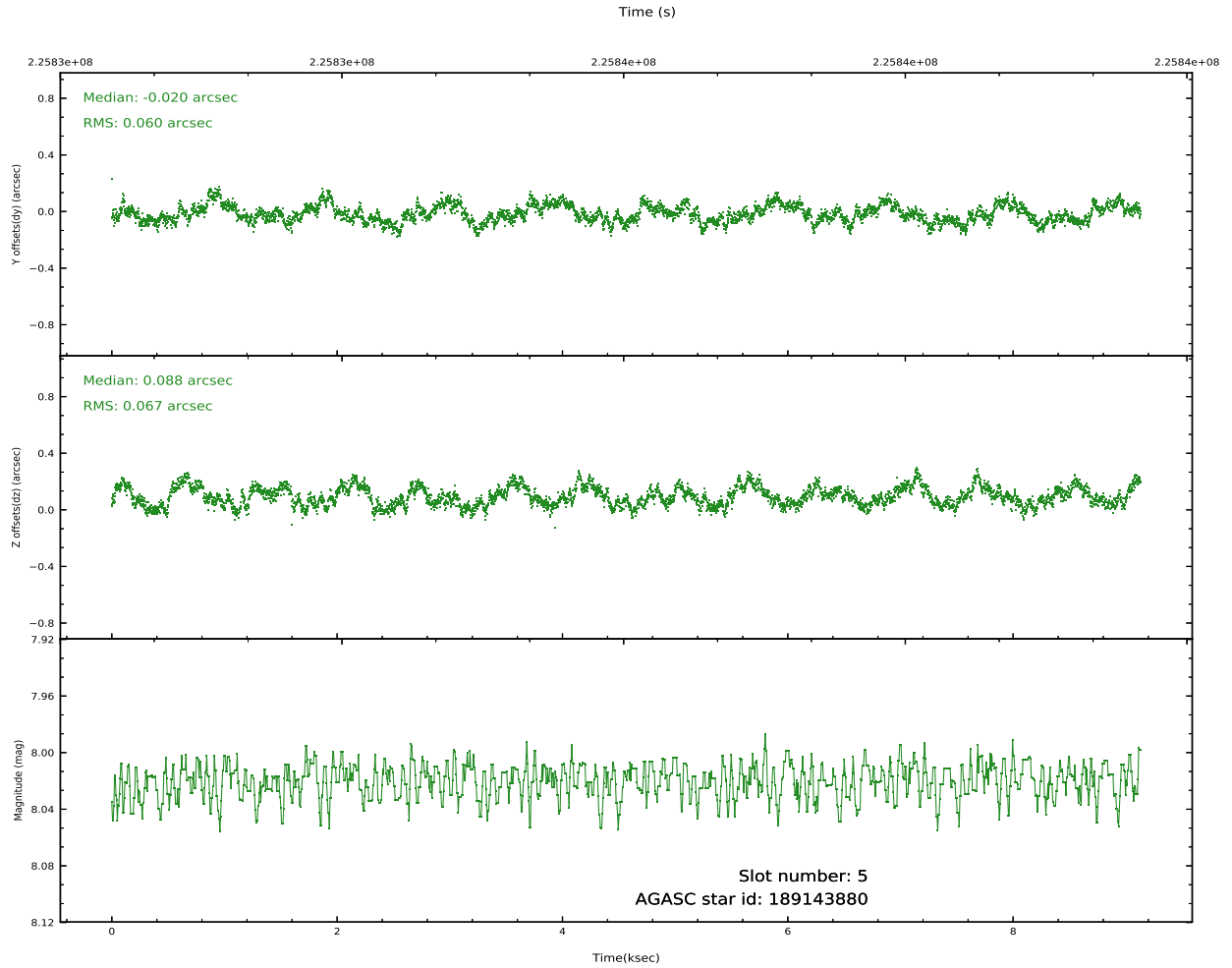
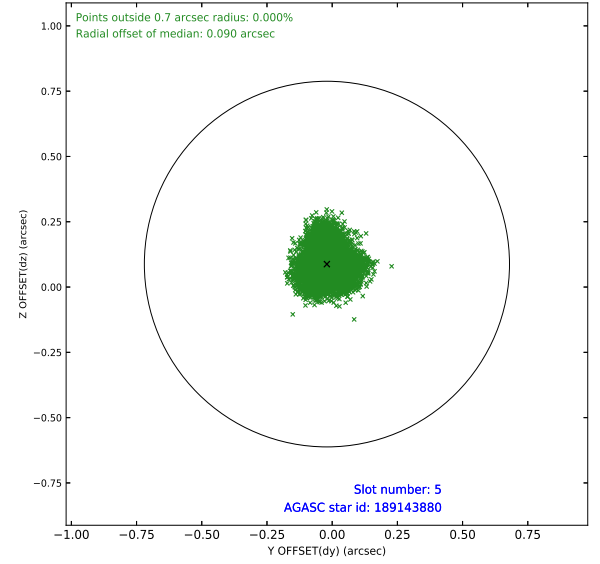
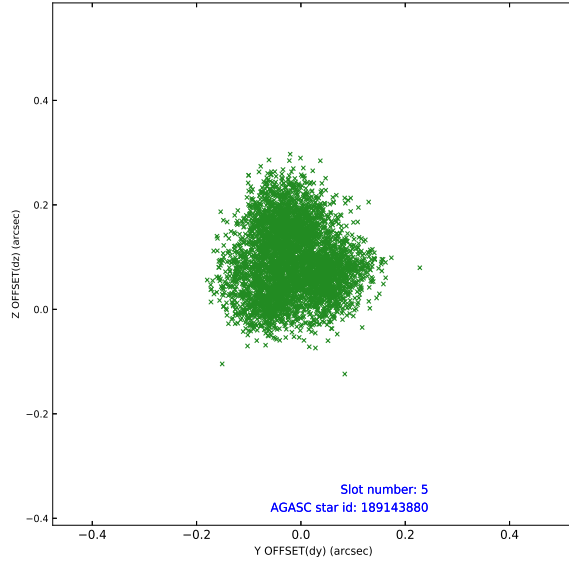
2.4.1 Slot 3



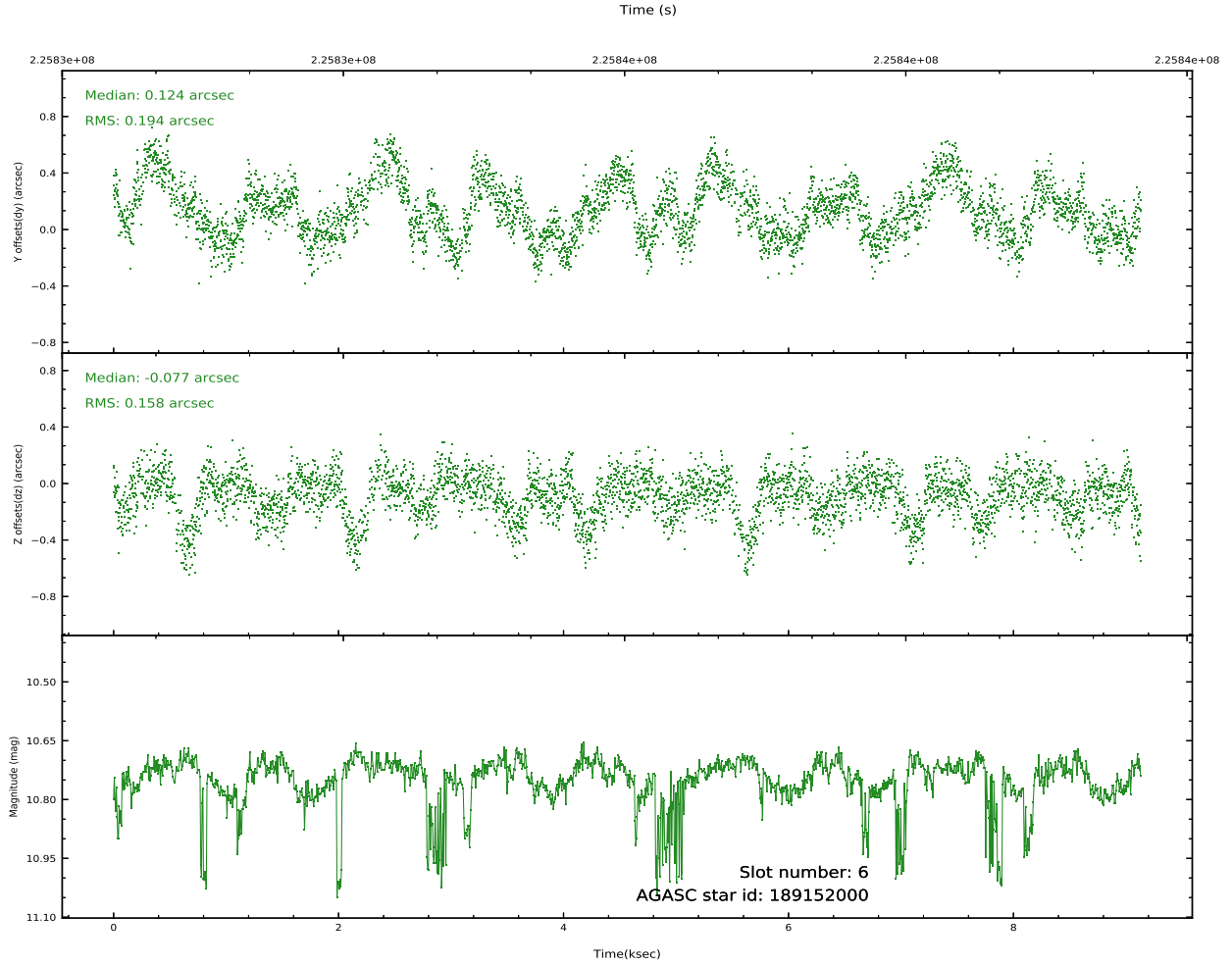
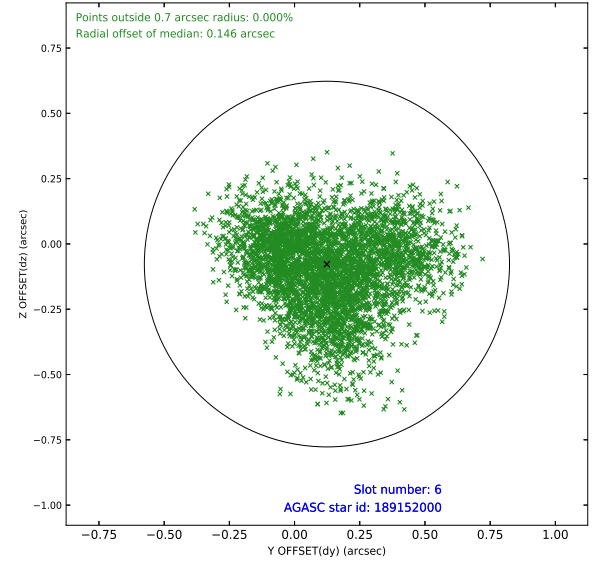
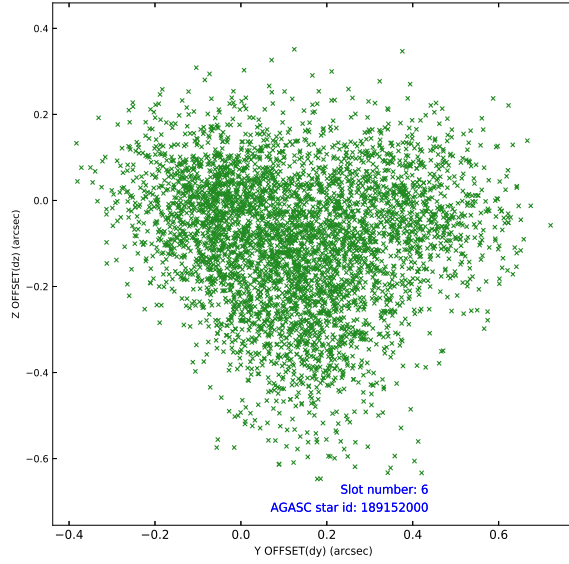
2.4.2 Slot 4



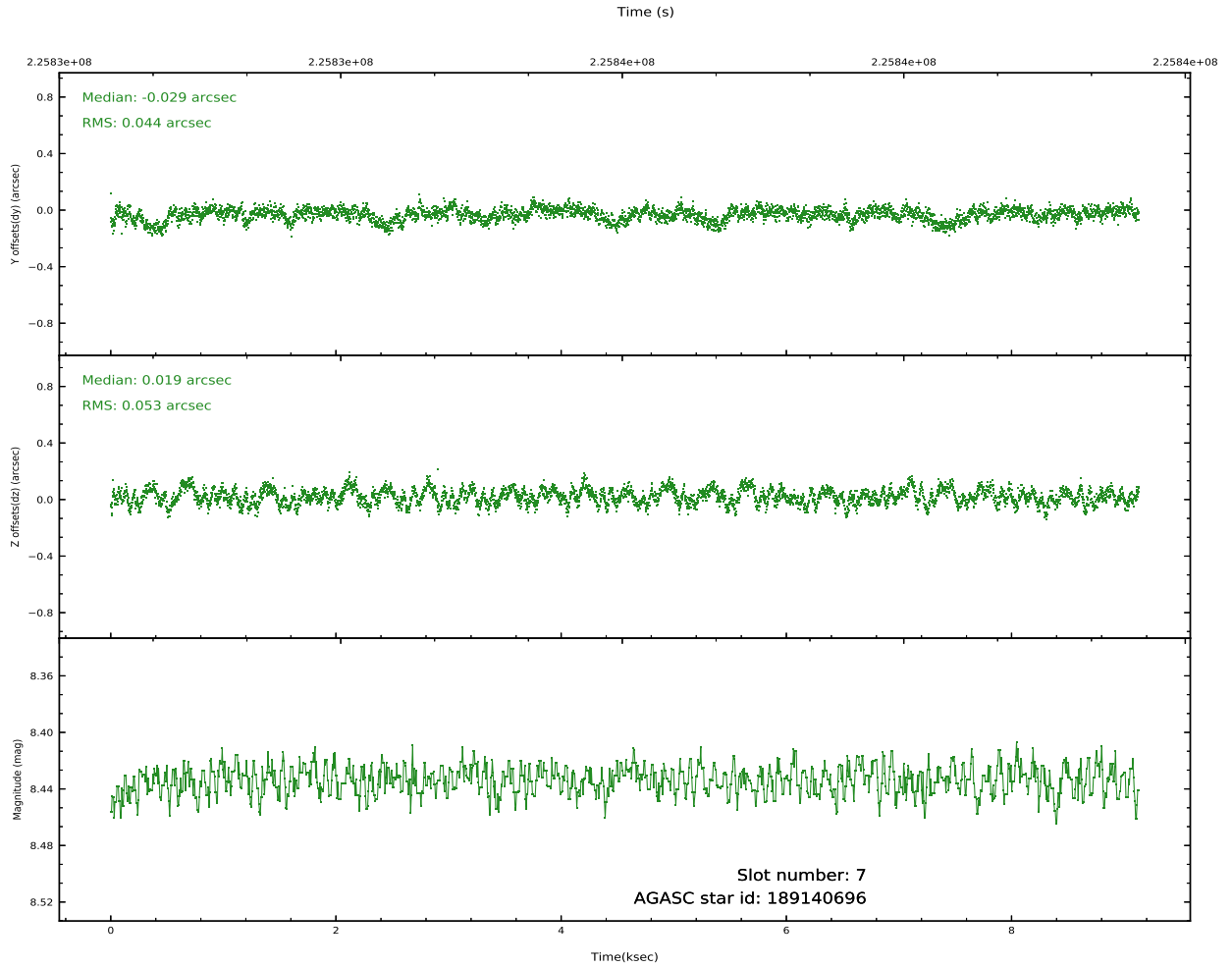
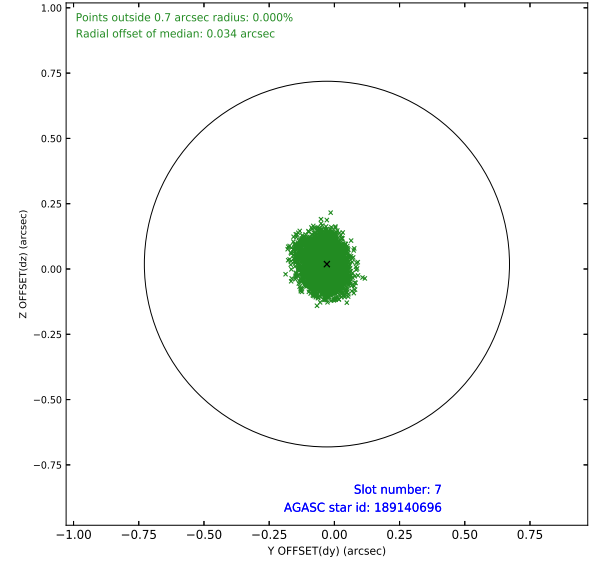
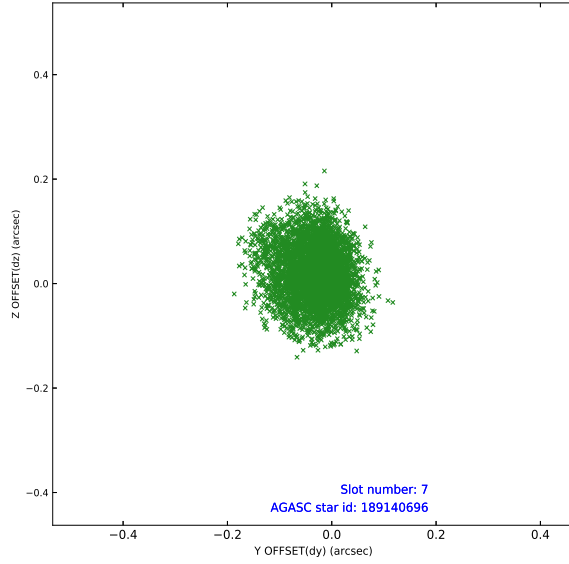
2.4.3 Slot 5



2.4.4 Slot 6

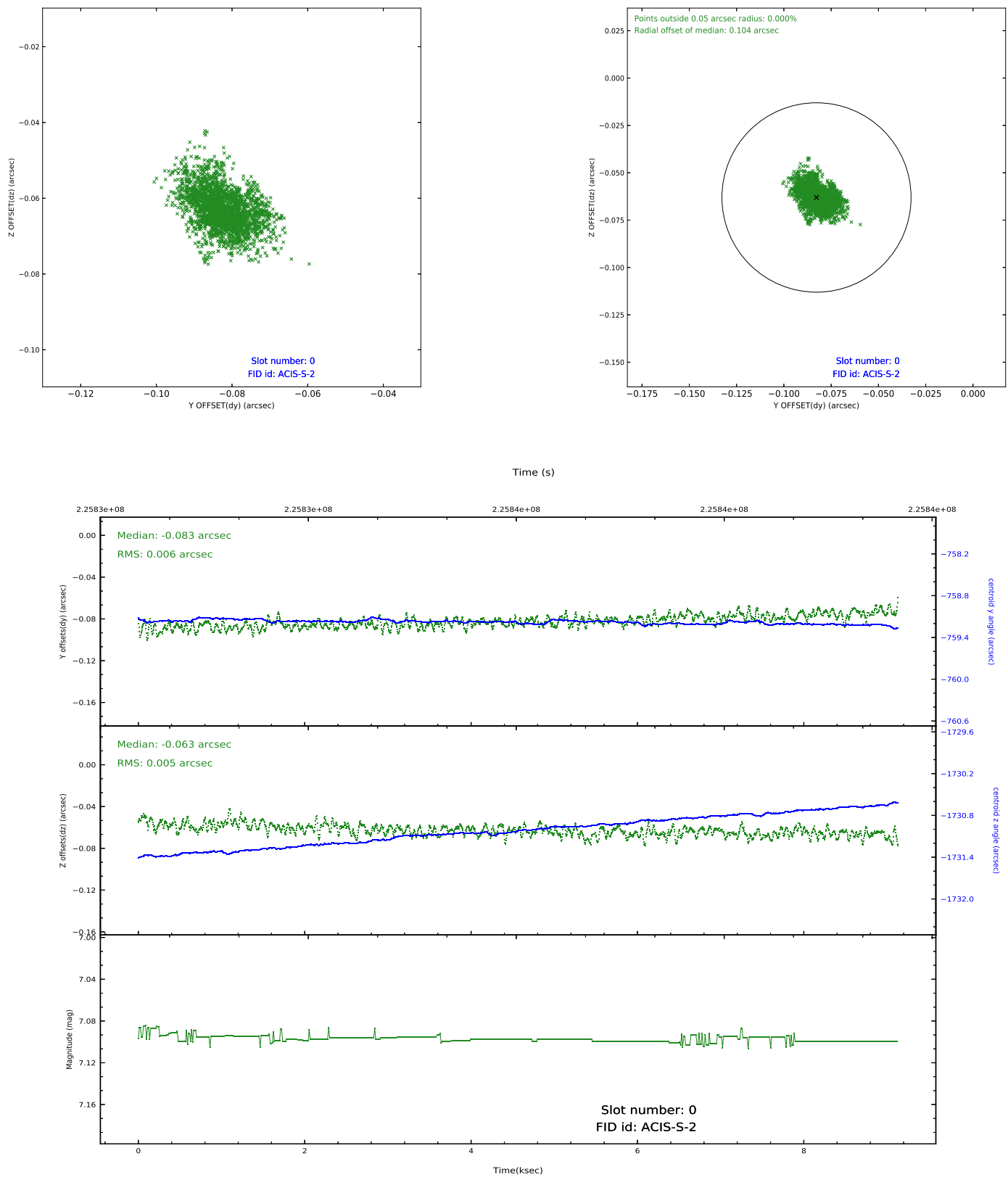


2.4.5 Slot 7

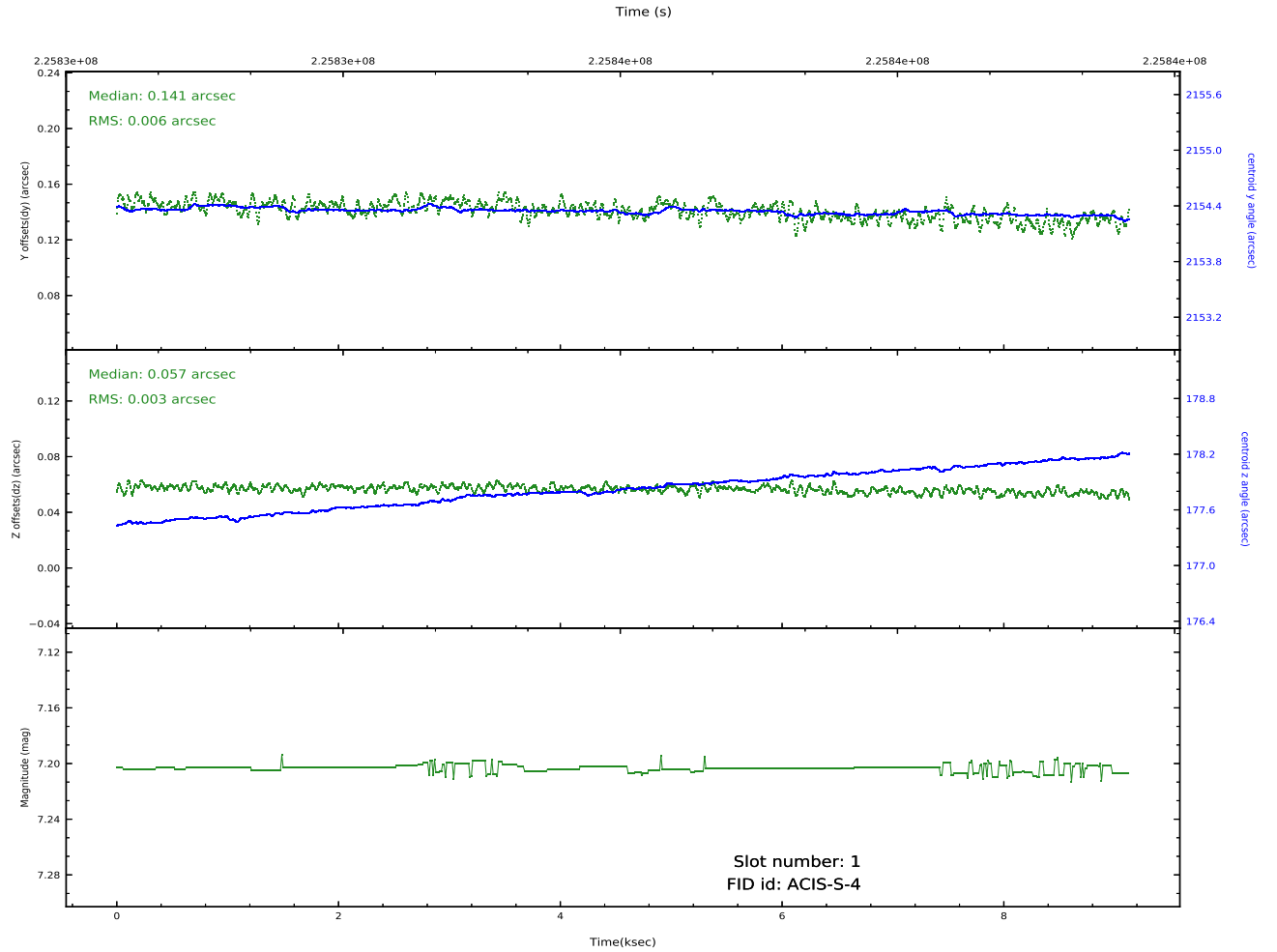
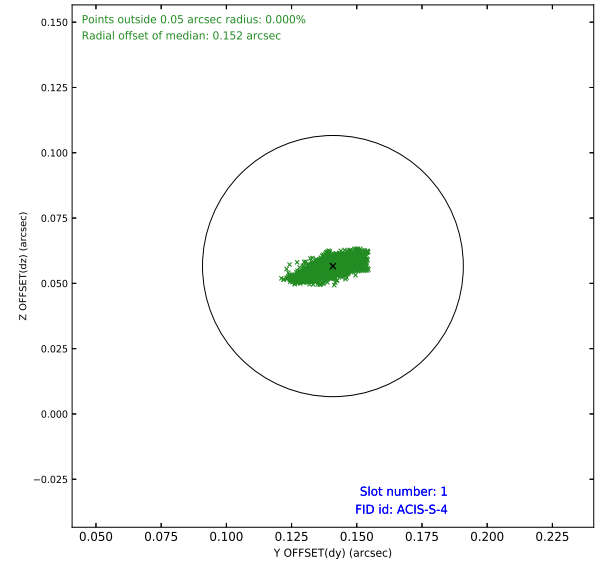
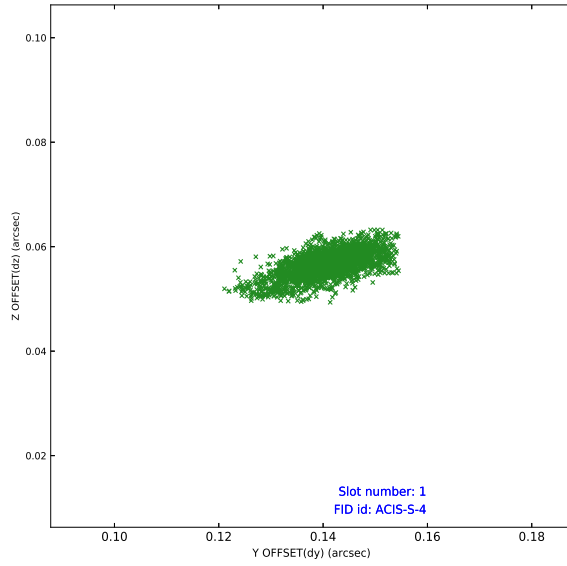


2.5 FID Slots

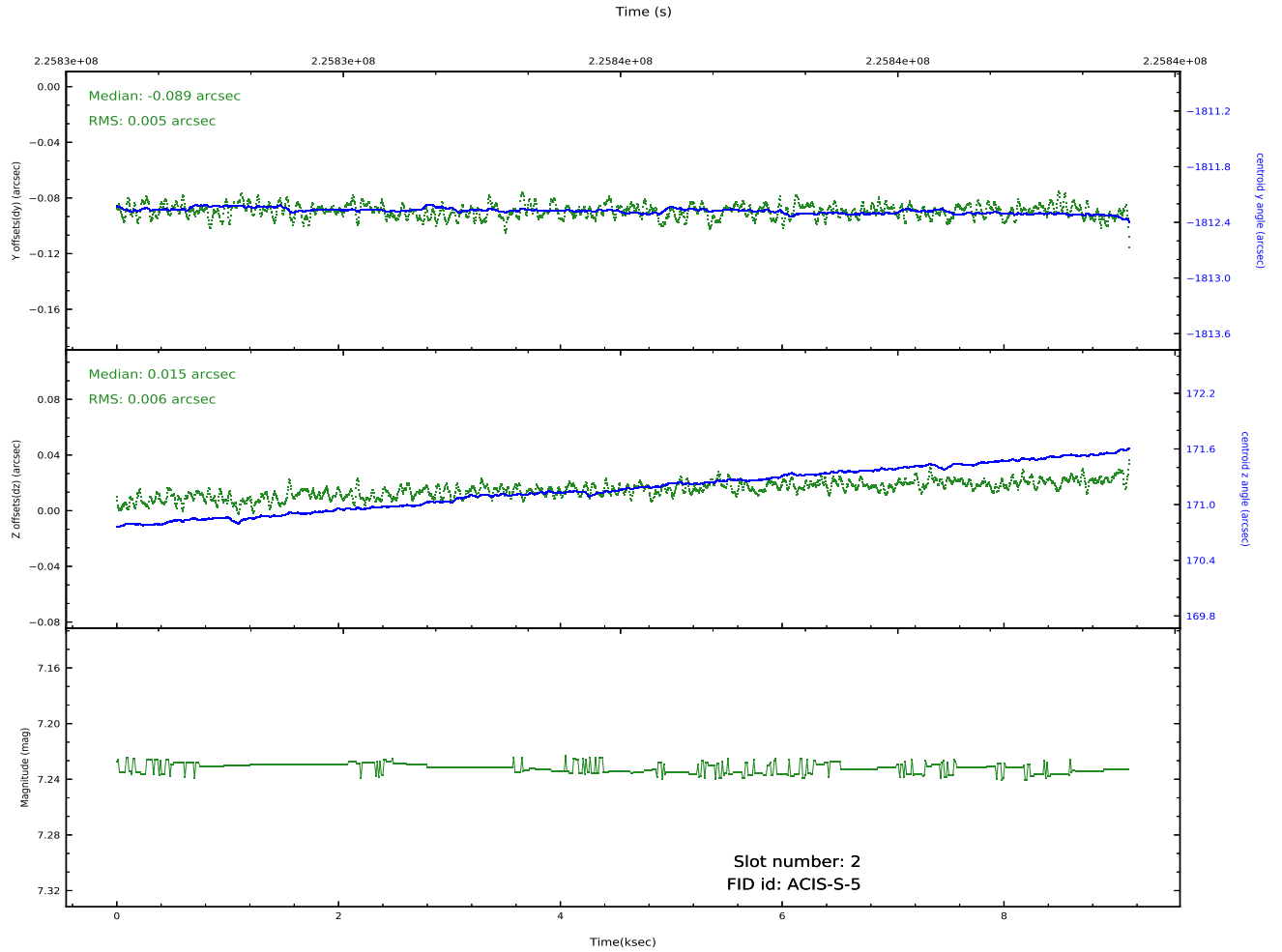
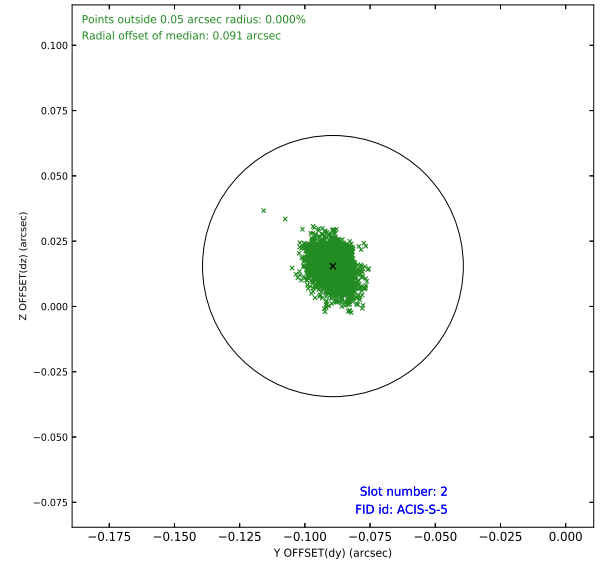
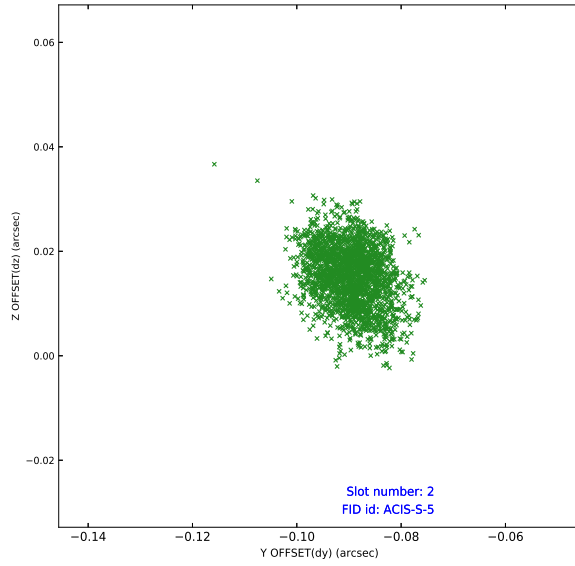
2.5.1 Slot 0



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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.132

A.2 Comments