

TF Lite Micro test report 1.0

Test time: 02.07.2023

Model name: adm_3_8.h

Model type: MLP. NO threshold (ignore recall, precision, F1 and FAR results)

Model description: 17x96x96x96x4 MLP to detect anomalies on 4 panels based on 4 x 10 temperature msmnts + 4 derivatives + 1 time. Tested on previously unseen data. Trained to detect sensor spikes, const regions, temp shifts and bumps. Removed prediction outputs.

Model data size: 1 [Bytes]

Test results:

Accuracy on NO anomalies (0): 0.9039

Accuracy on ANOMALIES (1): 0.8934

Time per inference: 0.119 [s]

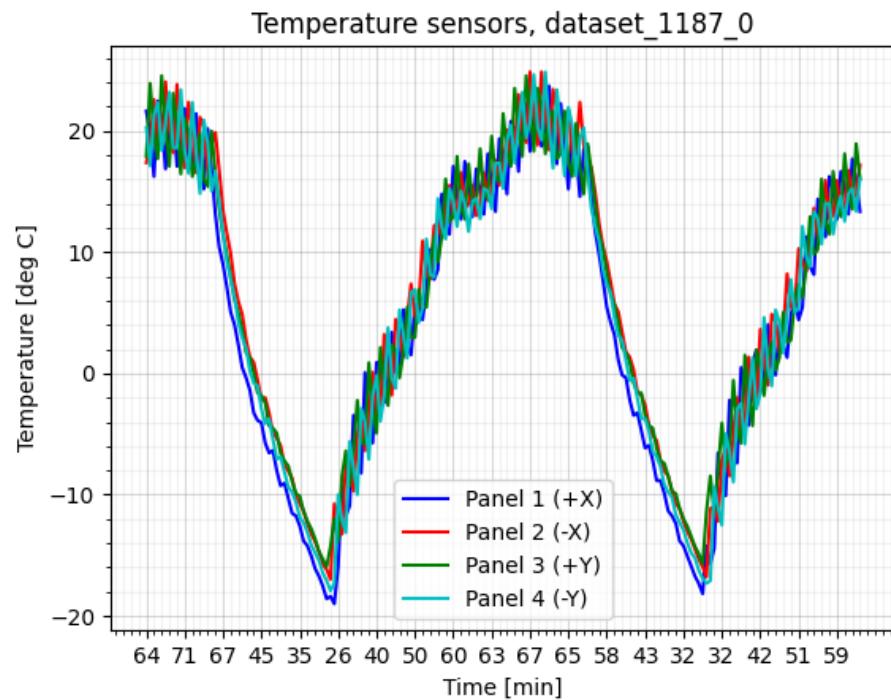
Total test time: 899.453 [s]

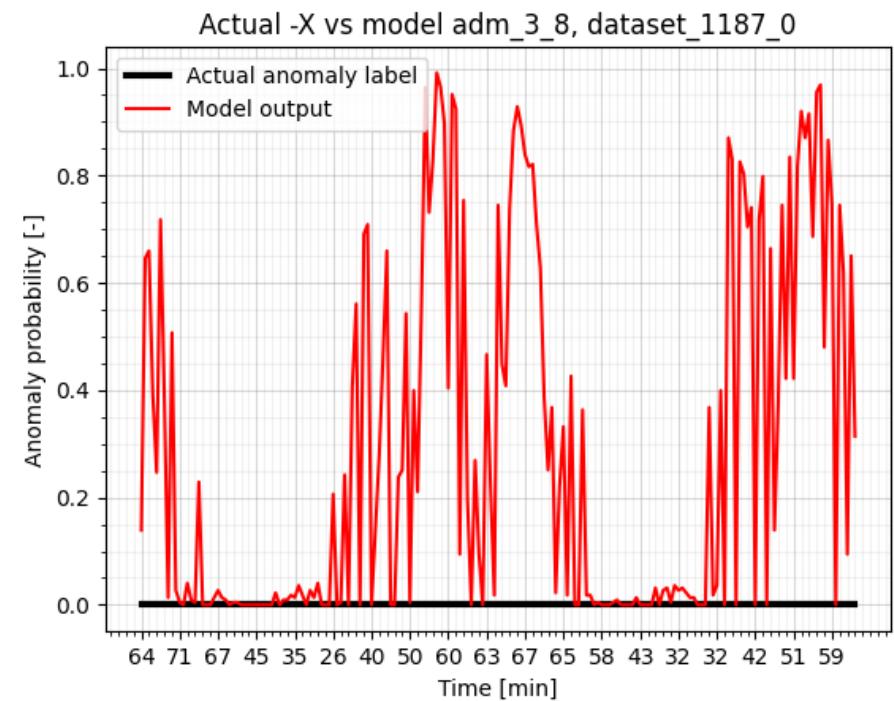
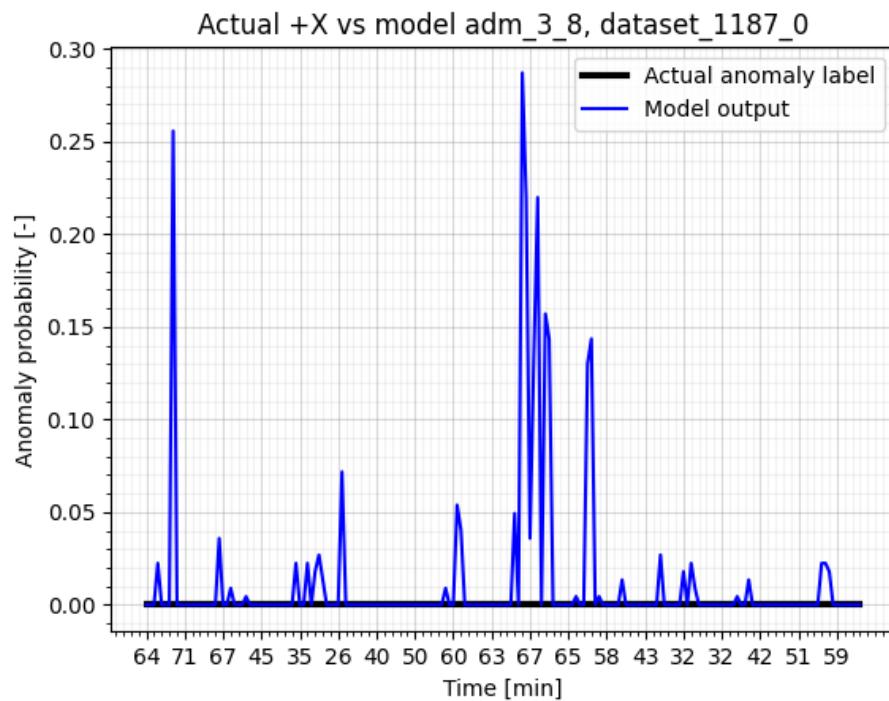
recall: 0.2498

precision: 0.0757

F1 score: 0.1162

False alarm rate: 0.6718





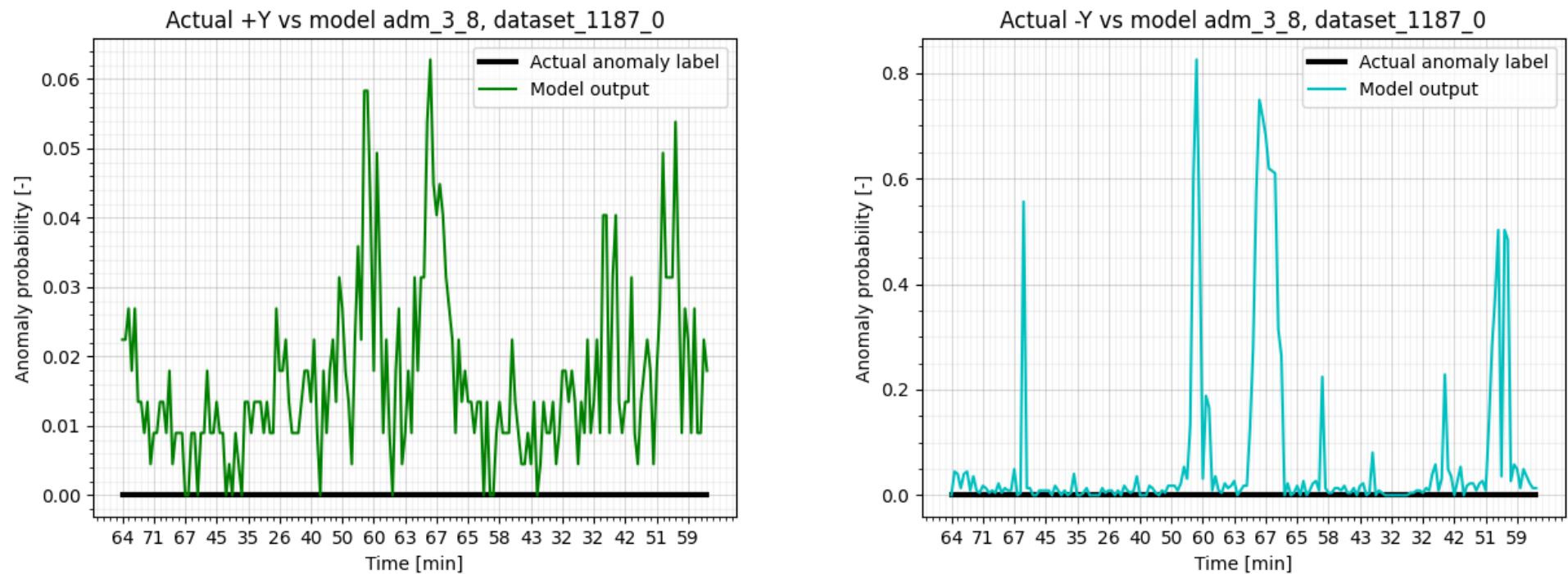
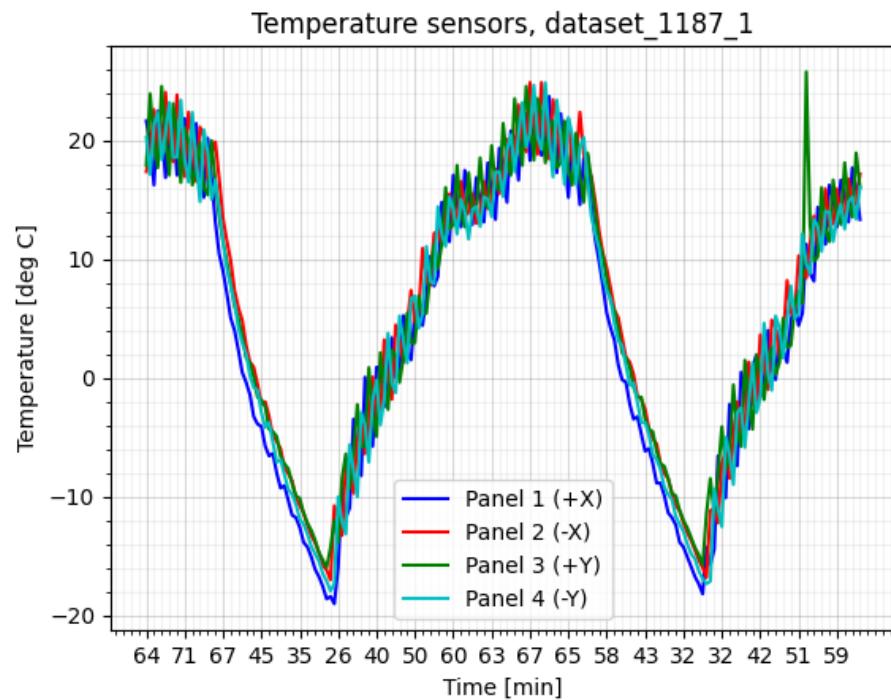
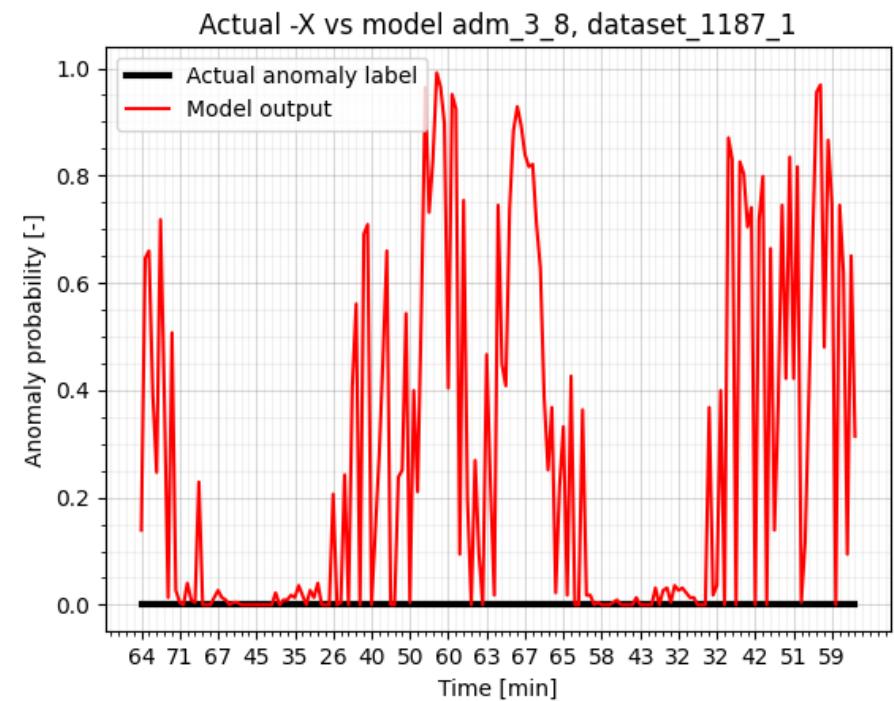
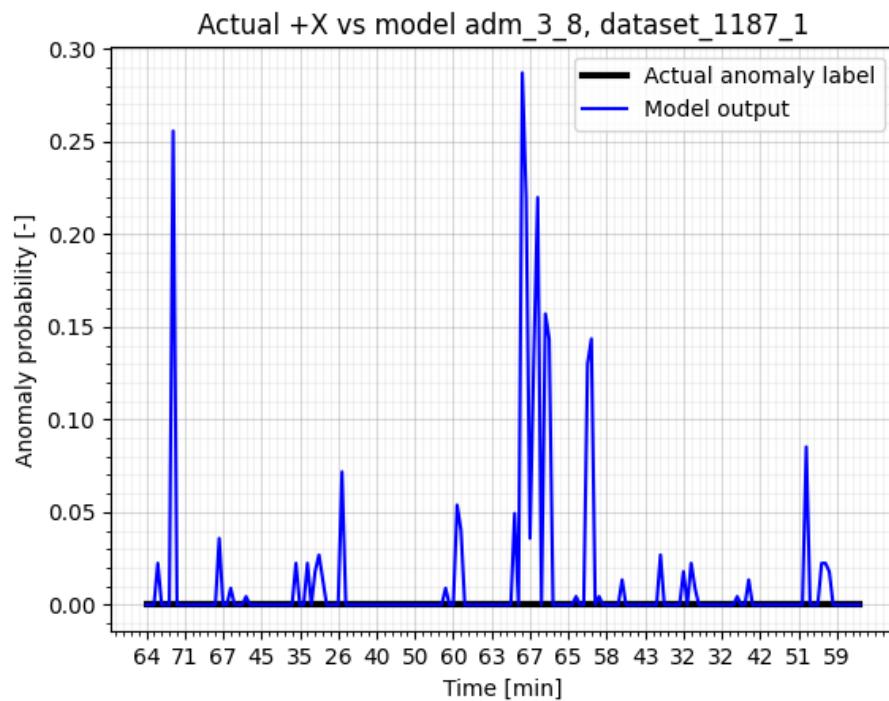


Figure 1: model inferences on dataset_1187_0_mod1.png





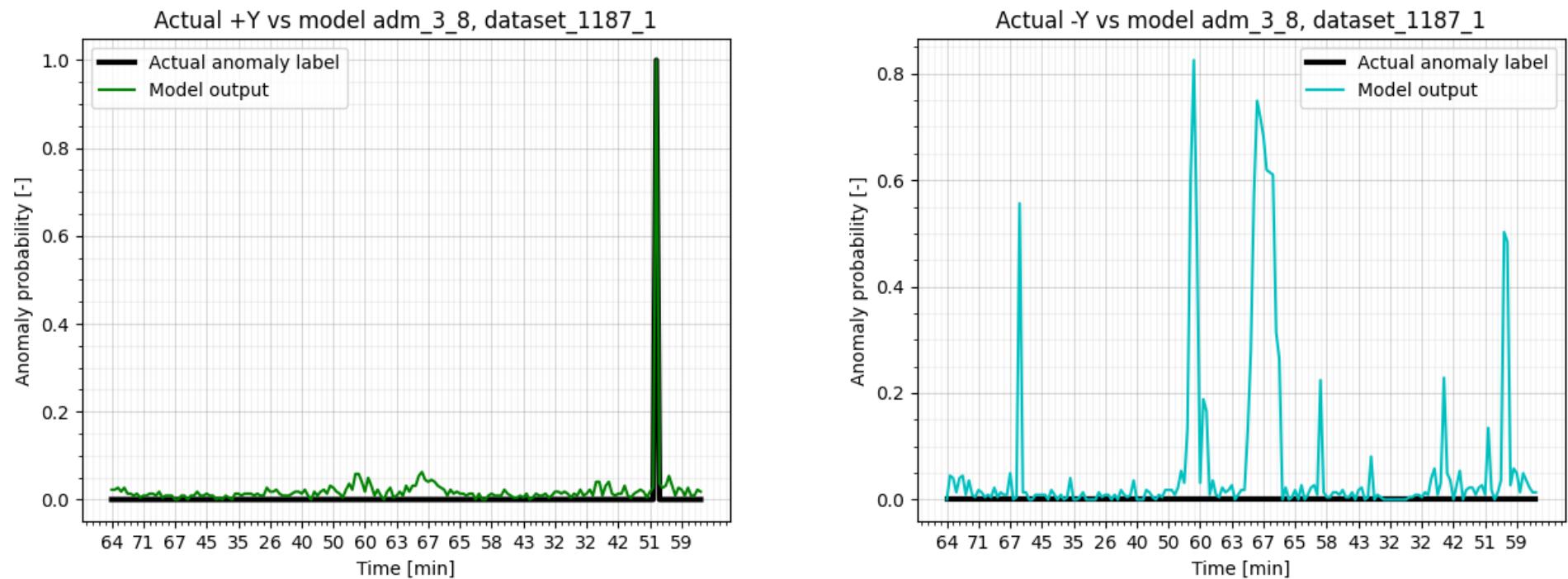
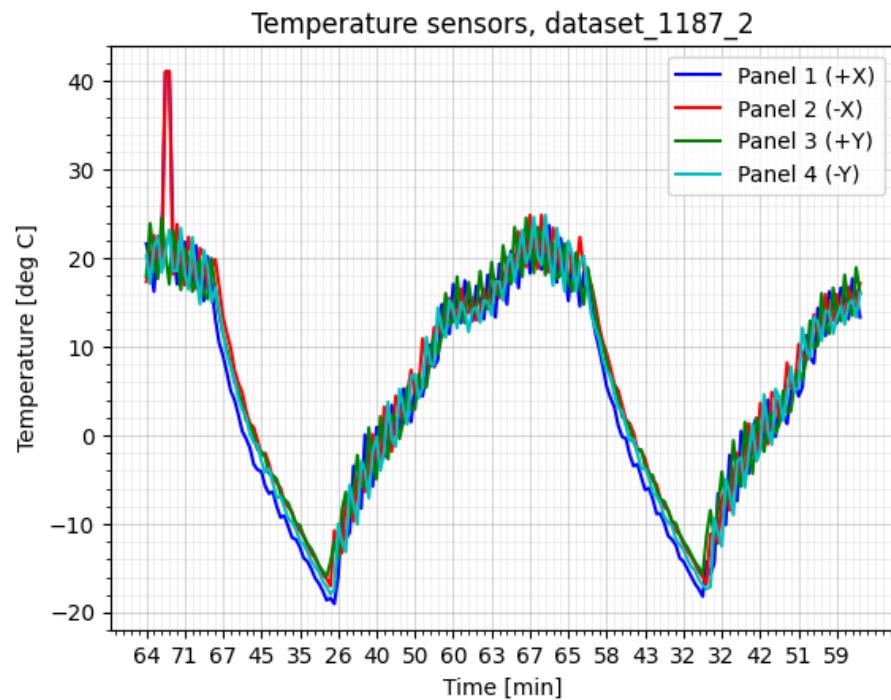
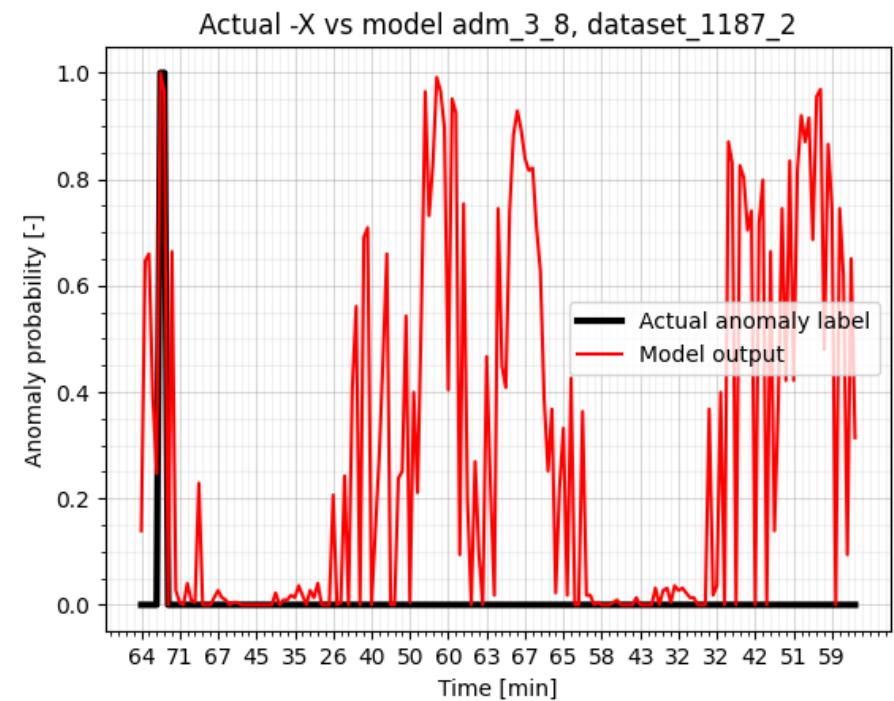
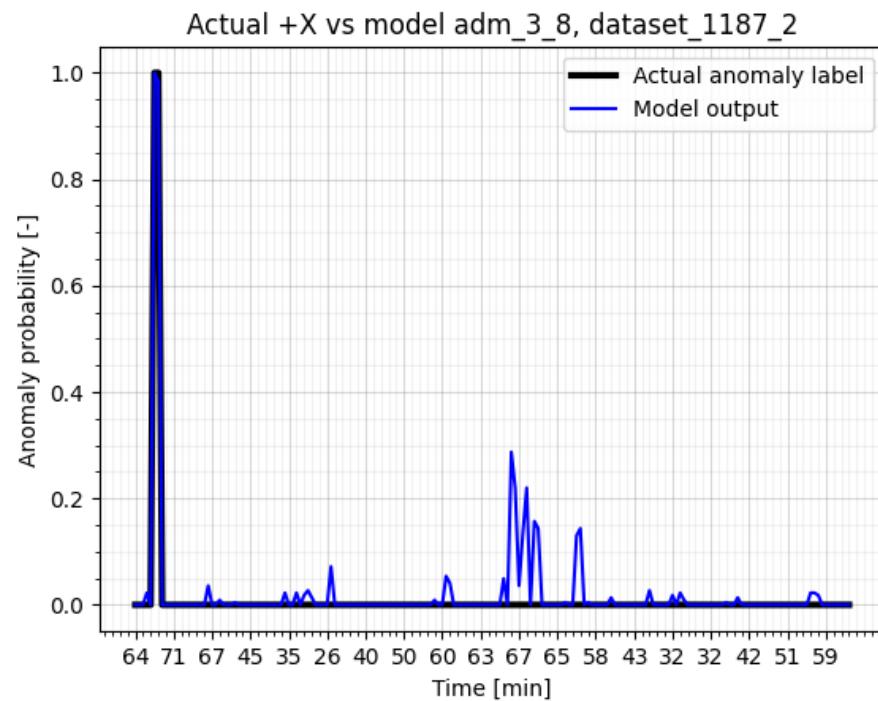


Figure 2: model inferences on dataset_1187_1_mod1.png





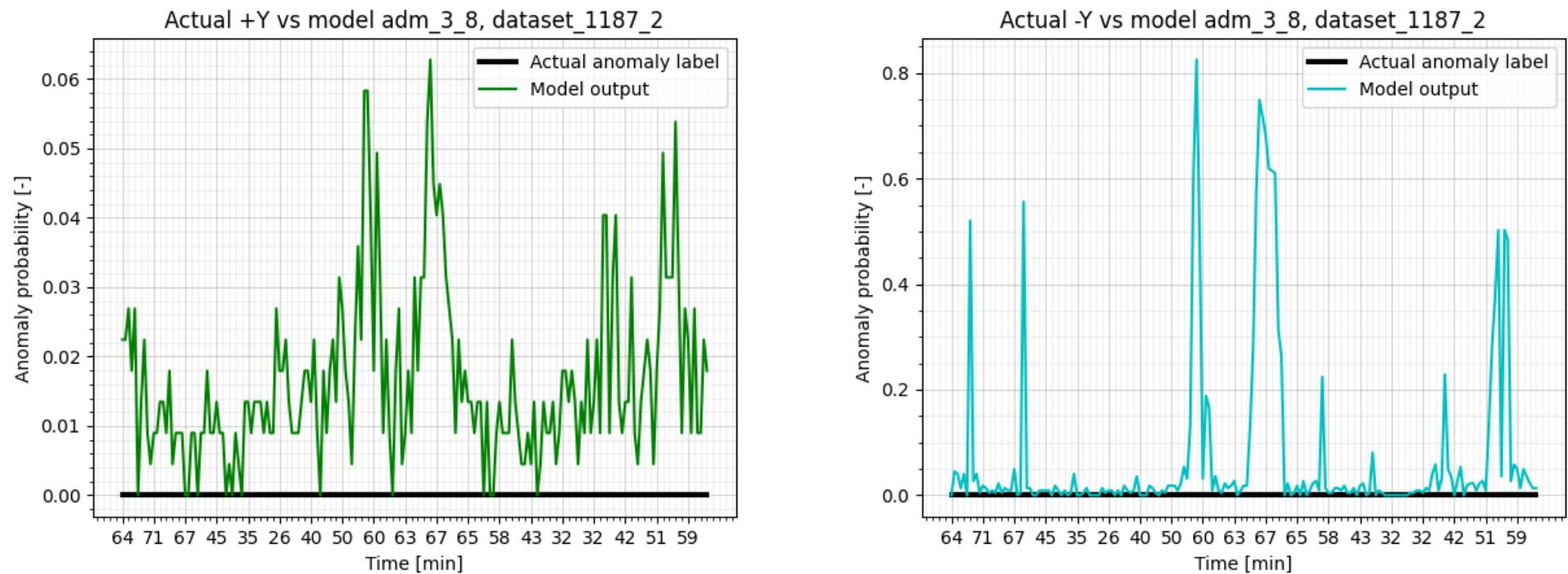
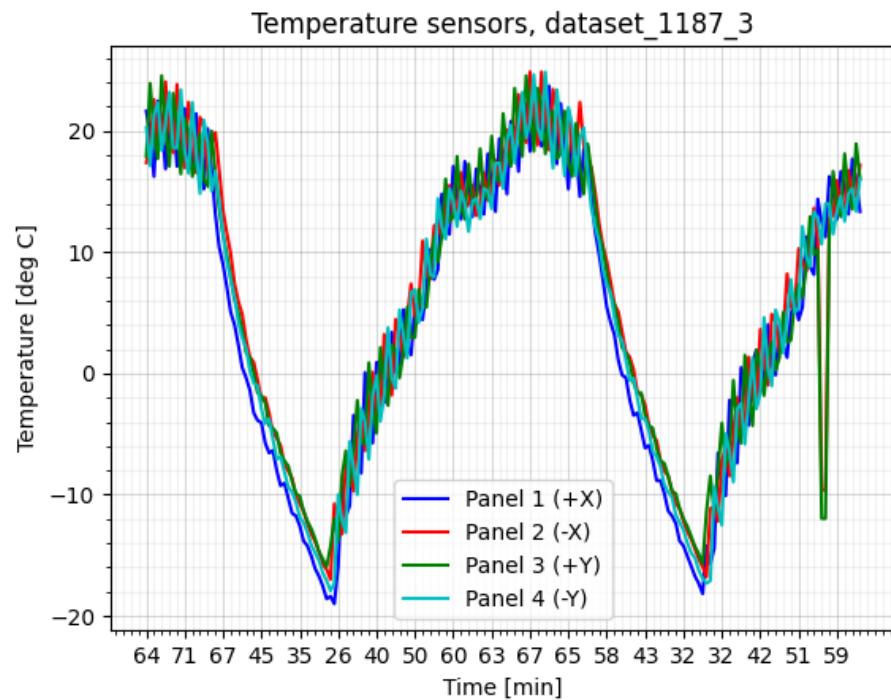
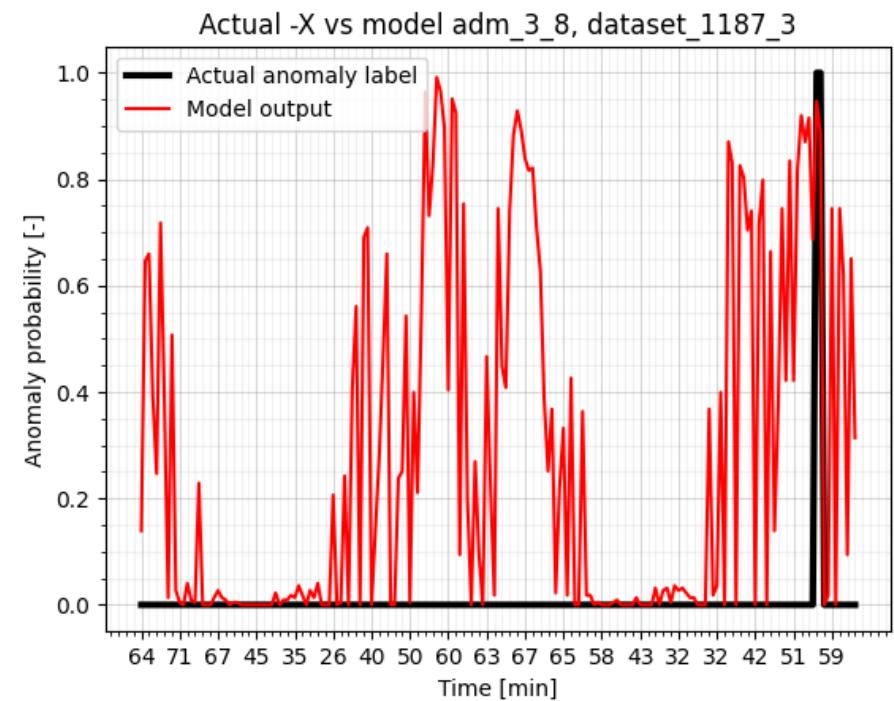
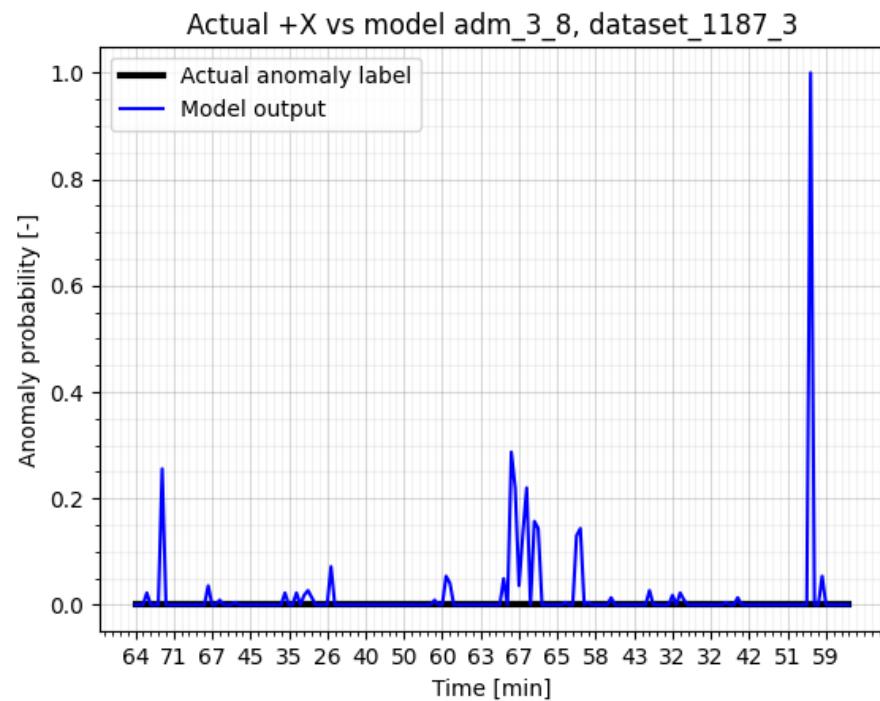


Figure 3: model inferences on dataset_1187_2_mod1.png





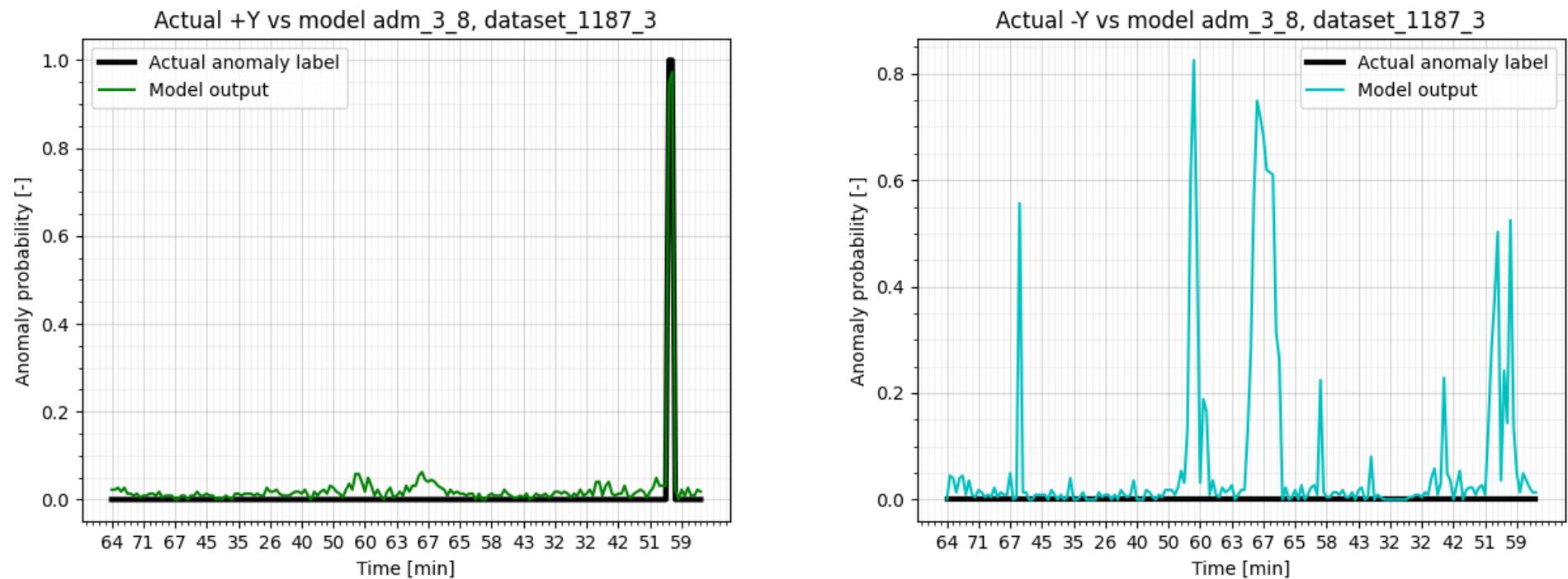
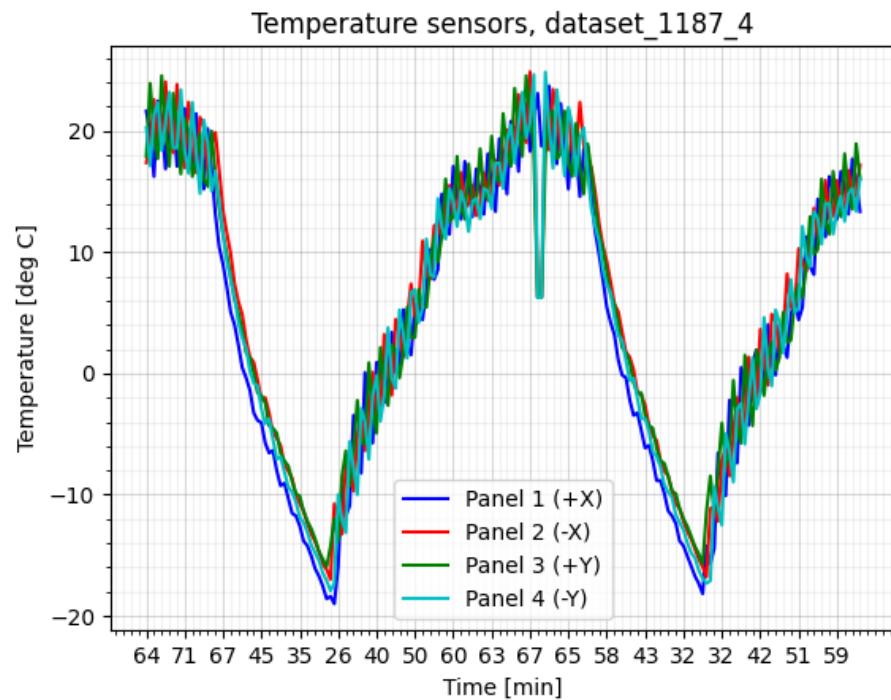
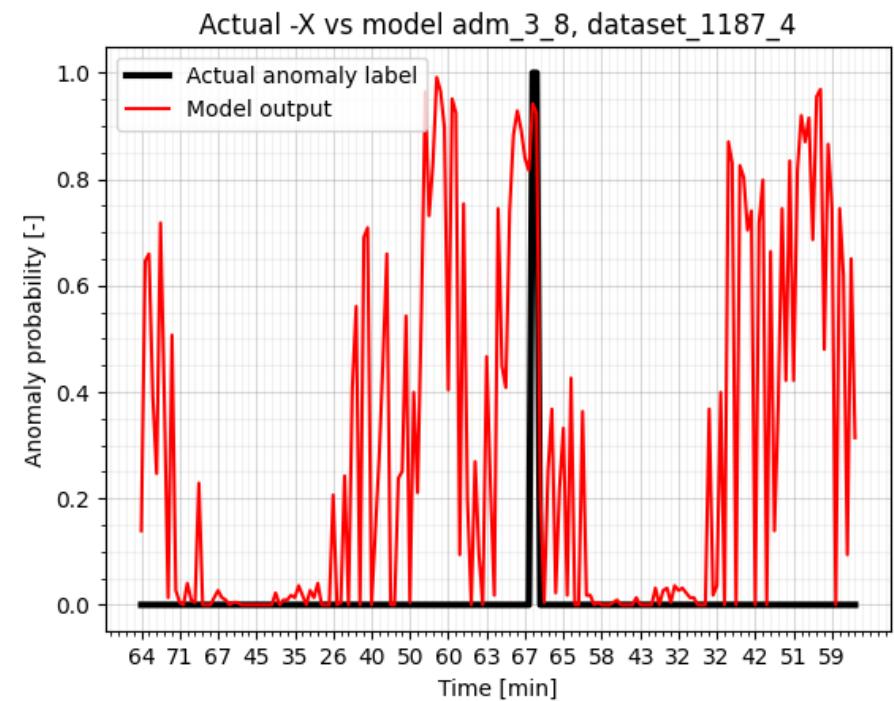
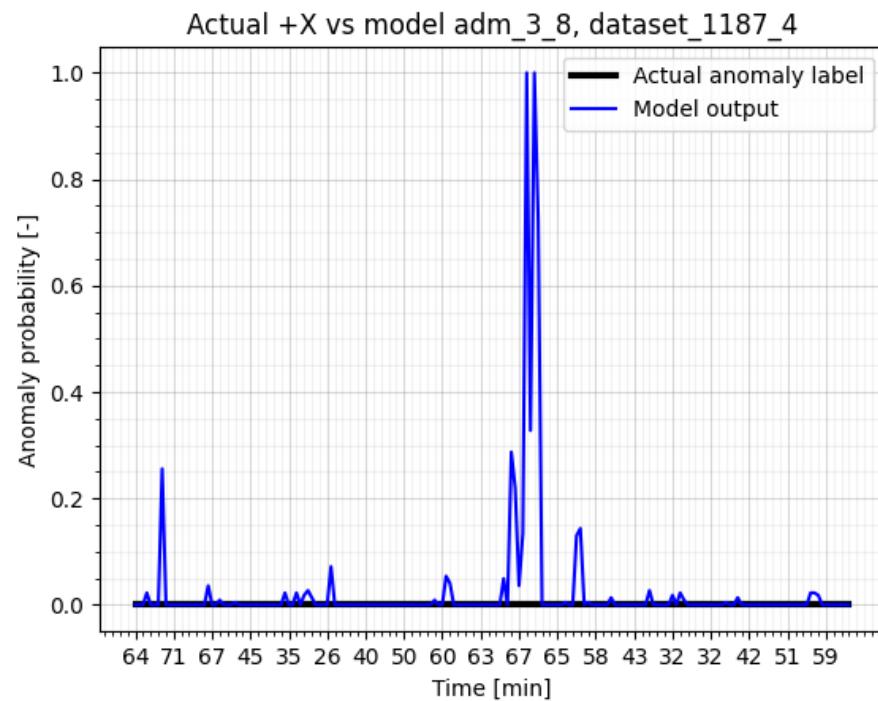


Figure 4: model inferences on dataset_1187_3_mod1.png





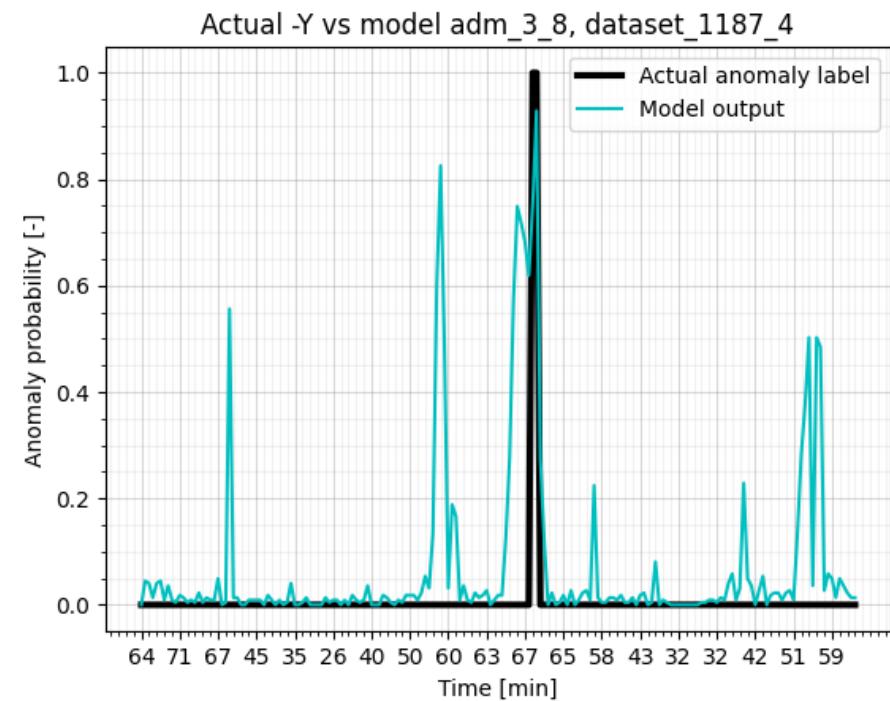
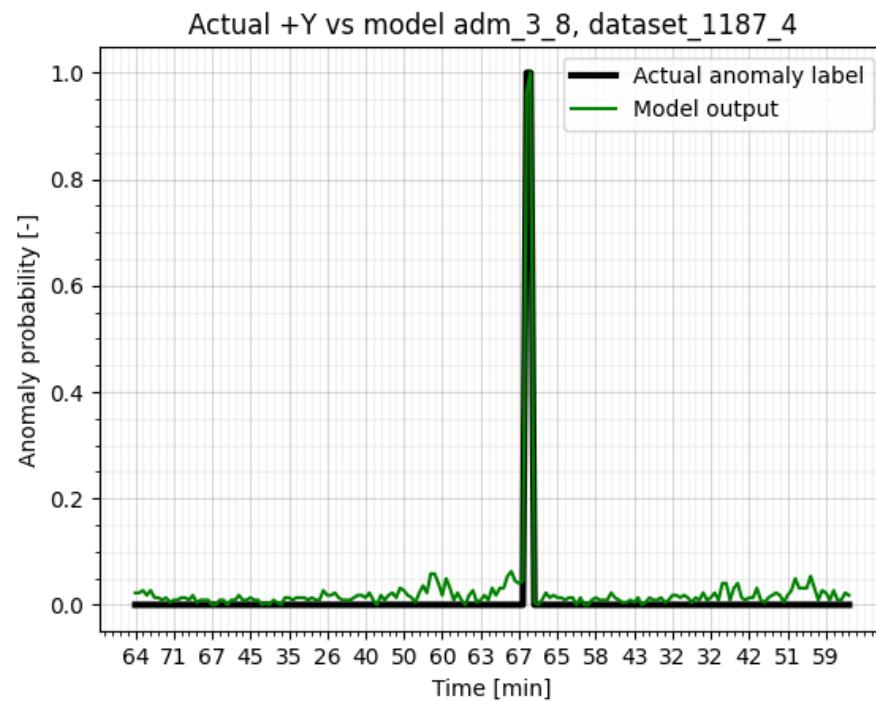
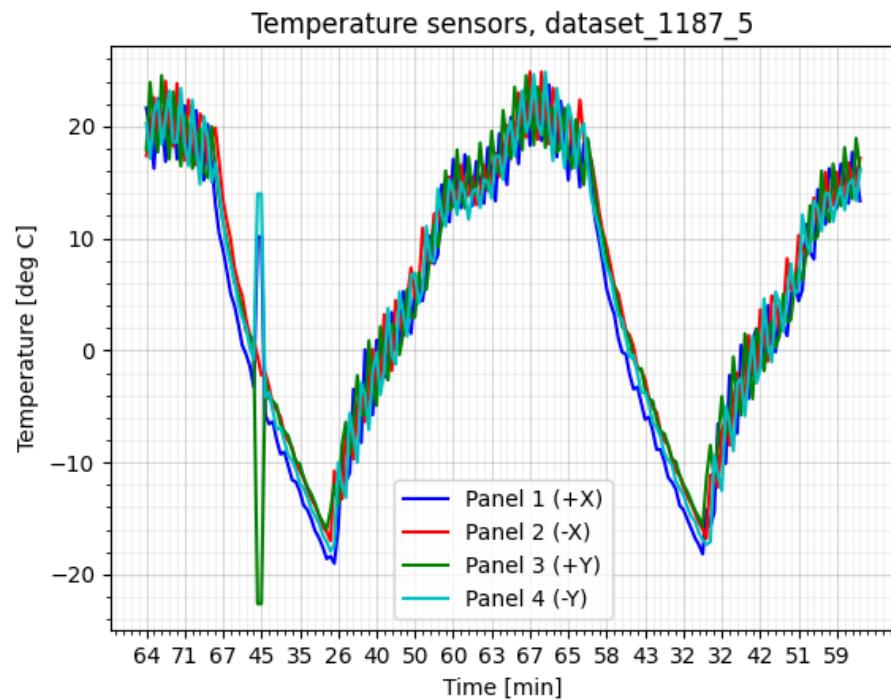
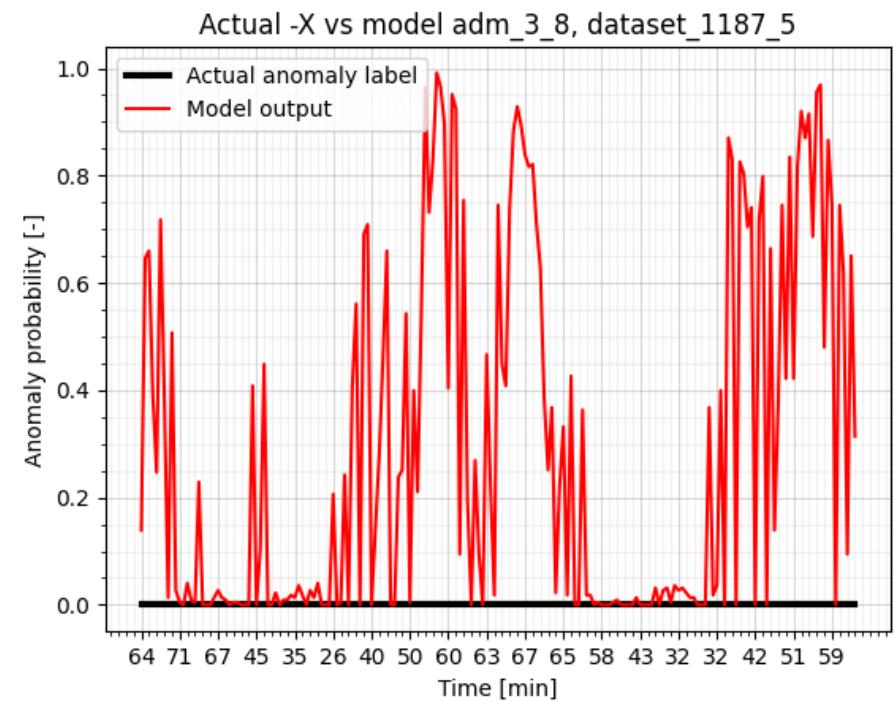
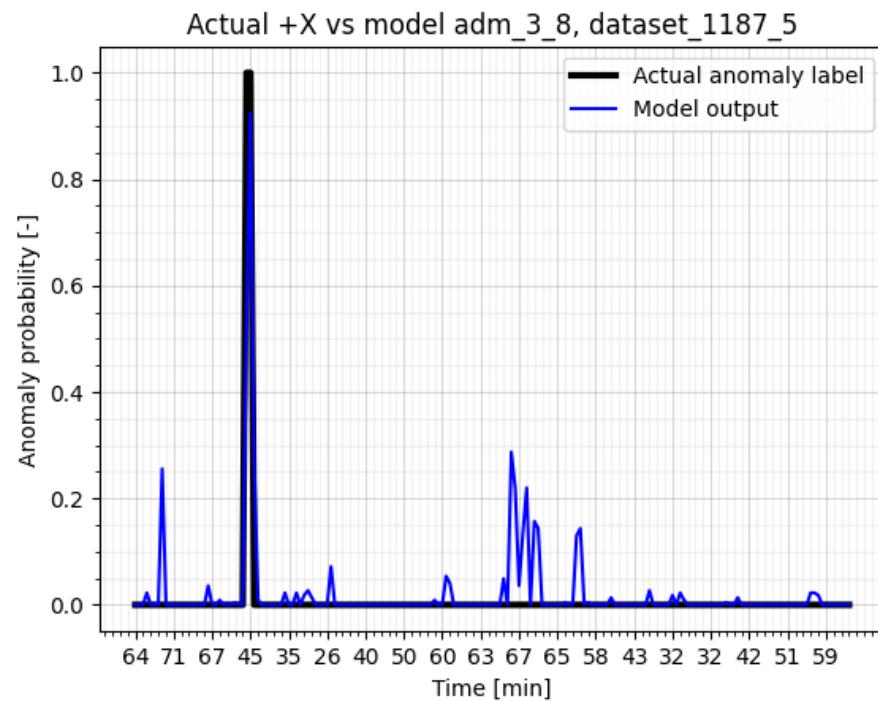


Figure 5: model inferences on dataset_1187_4_mod1.png





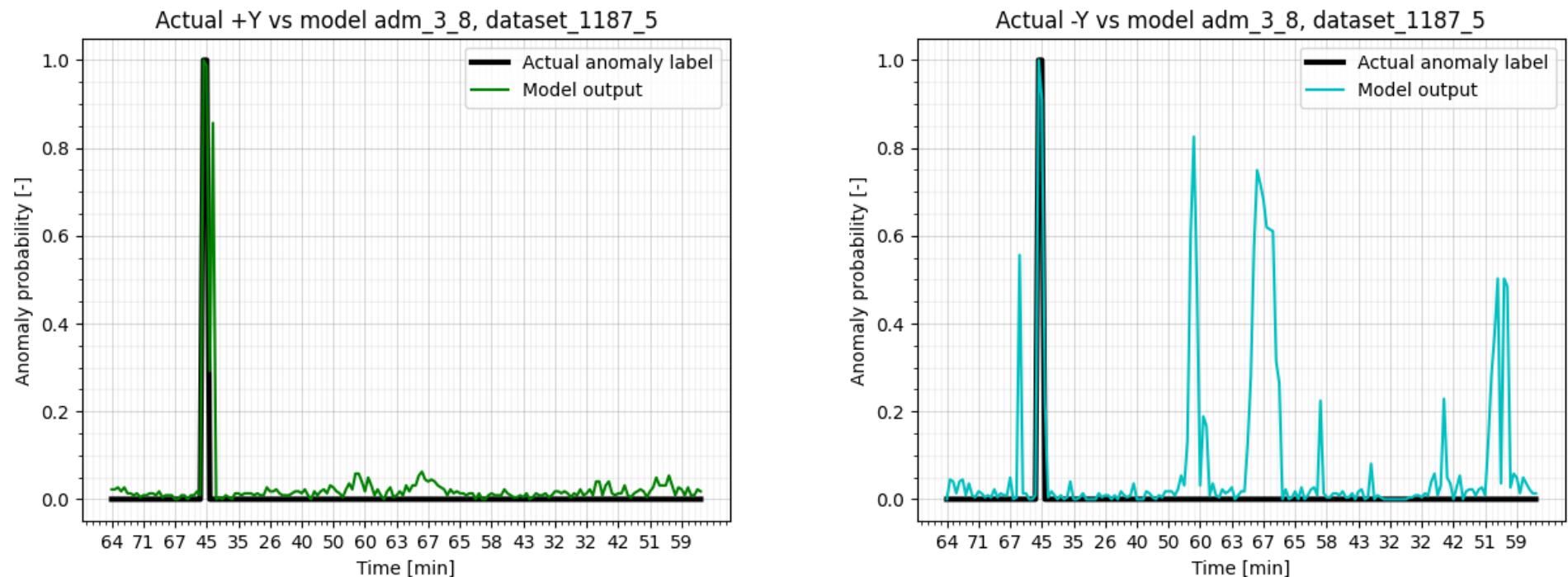
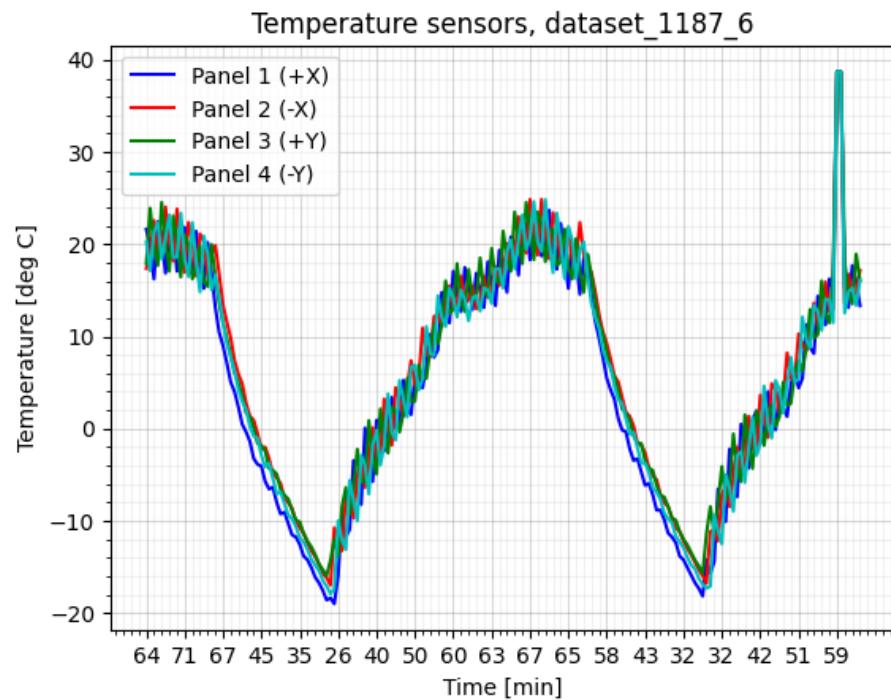
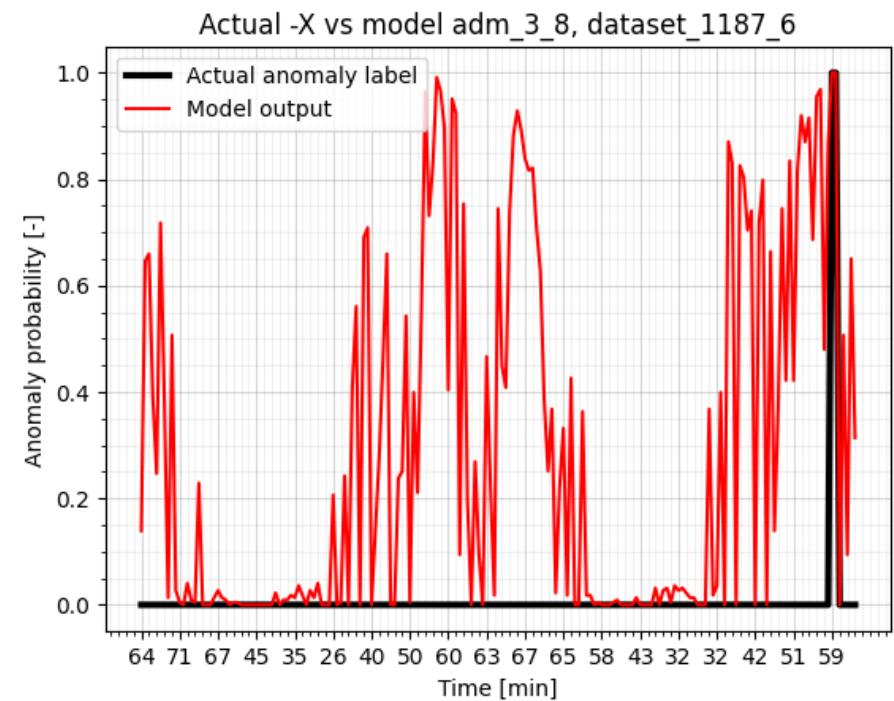
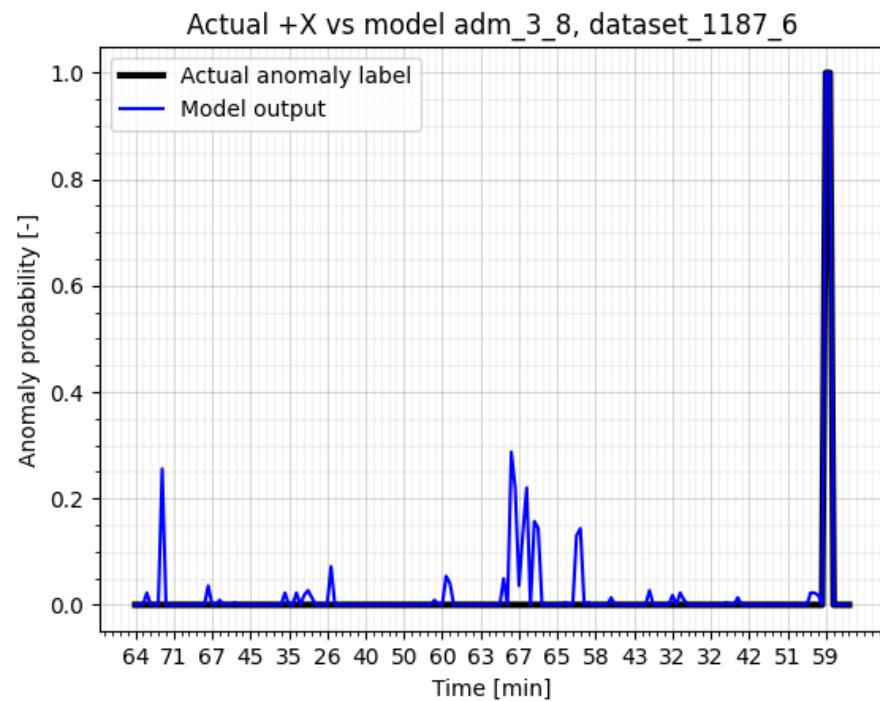


Figure 6: model inferences on dataset_1187_5_mod1.png





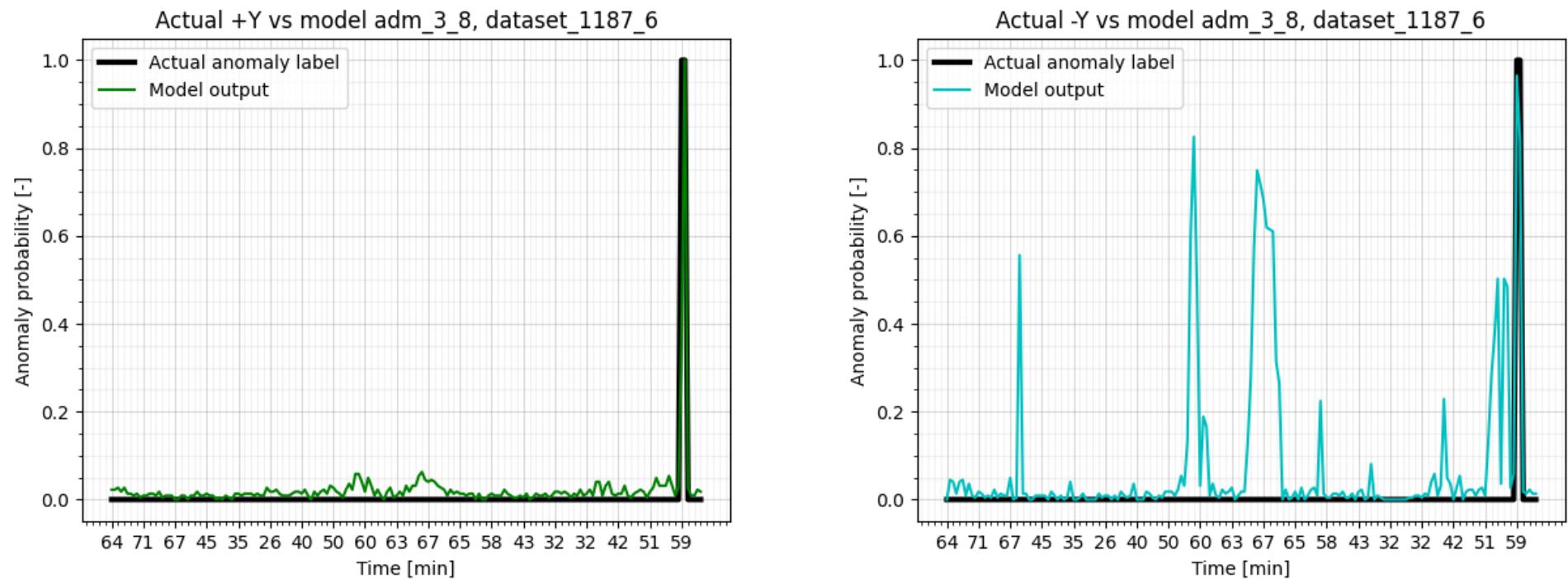
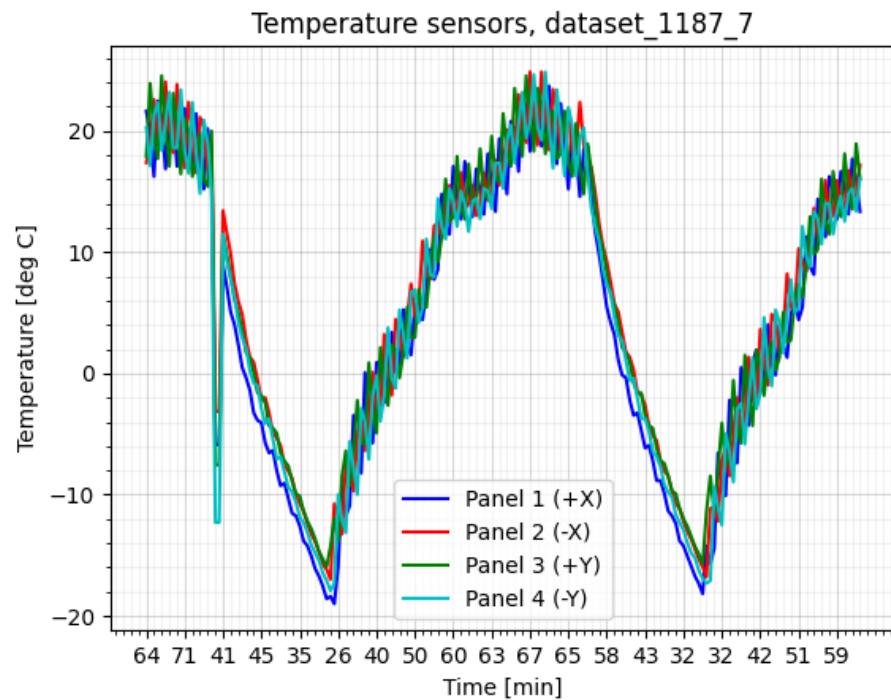
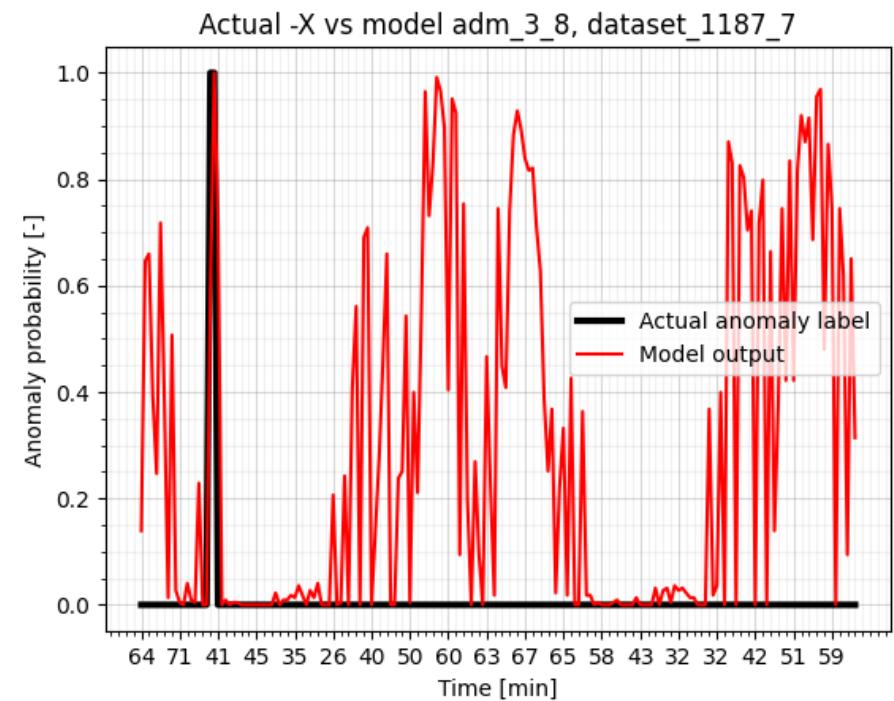
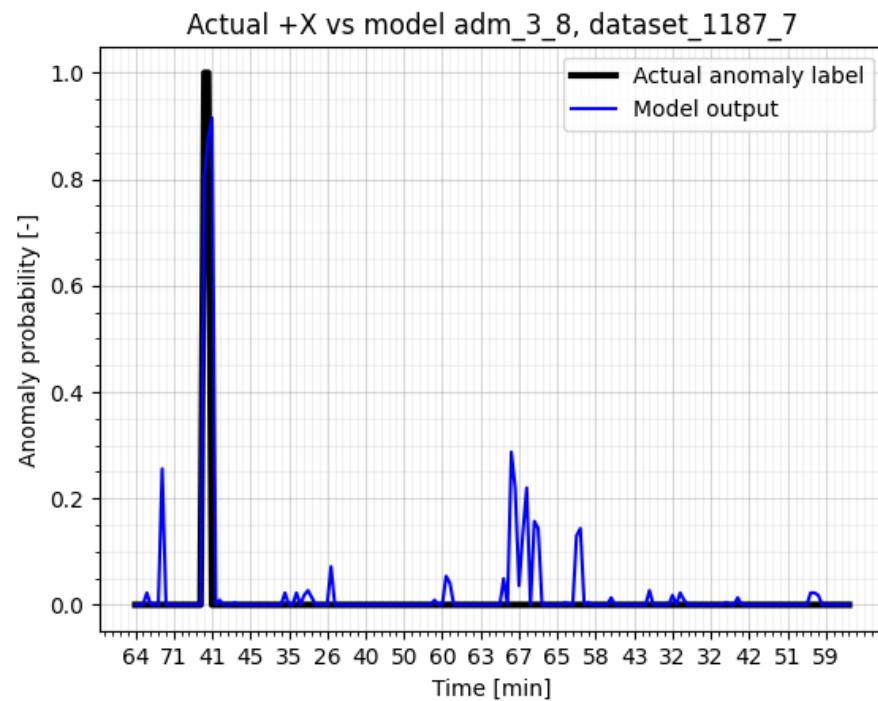


Figure 7: model inferences on dataset_1187_6_mod1.png





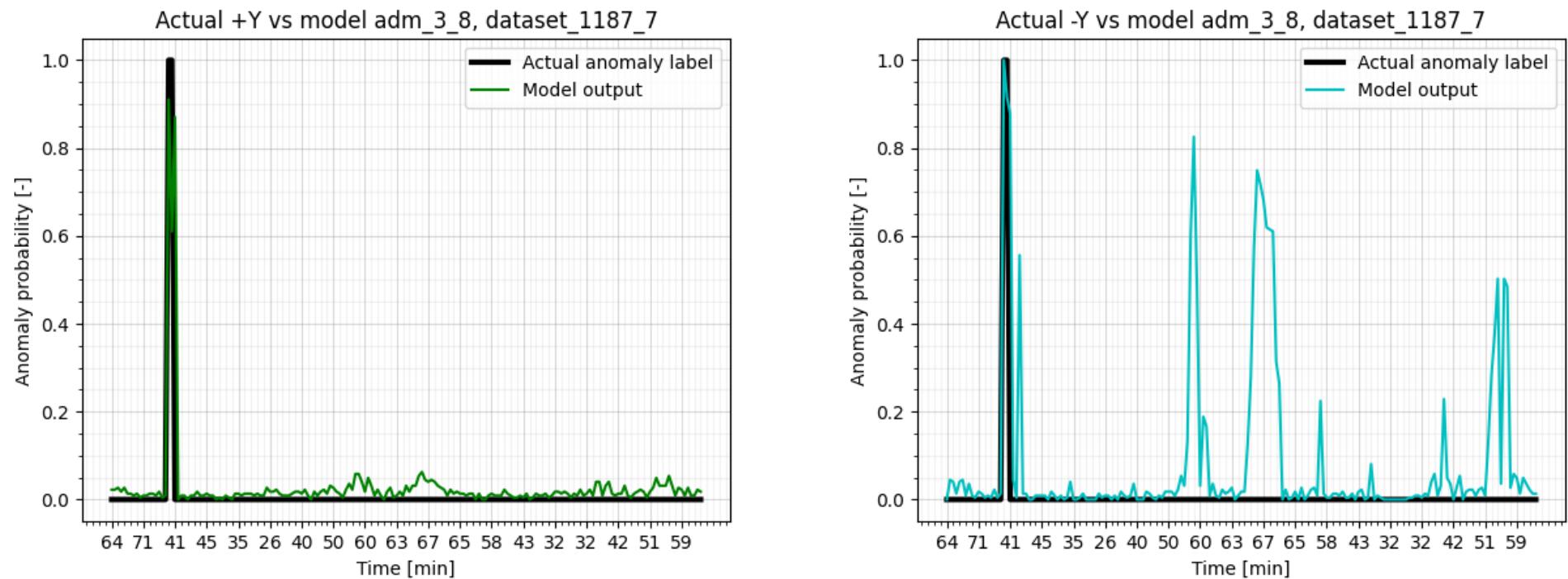
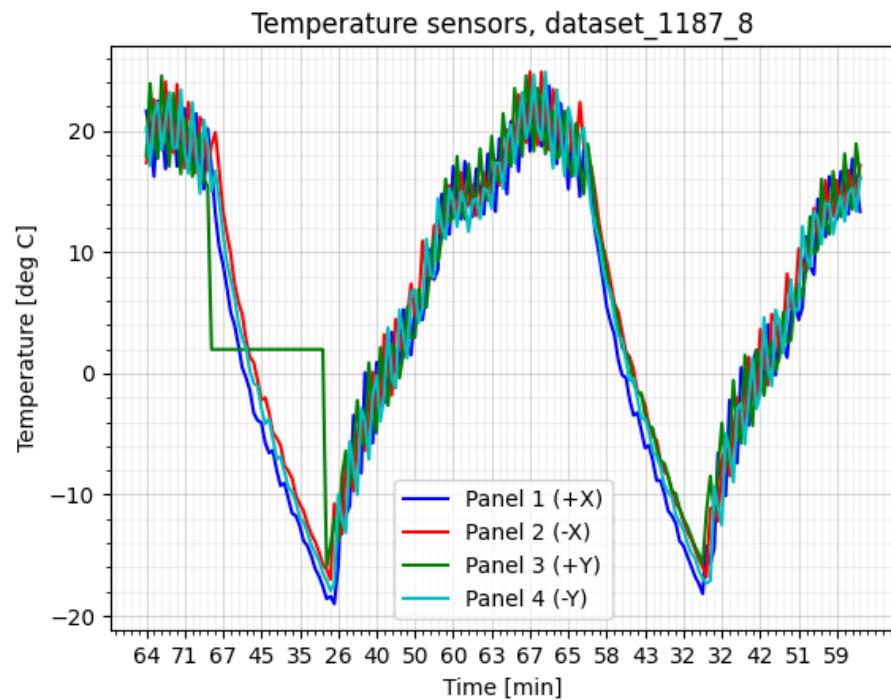
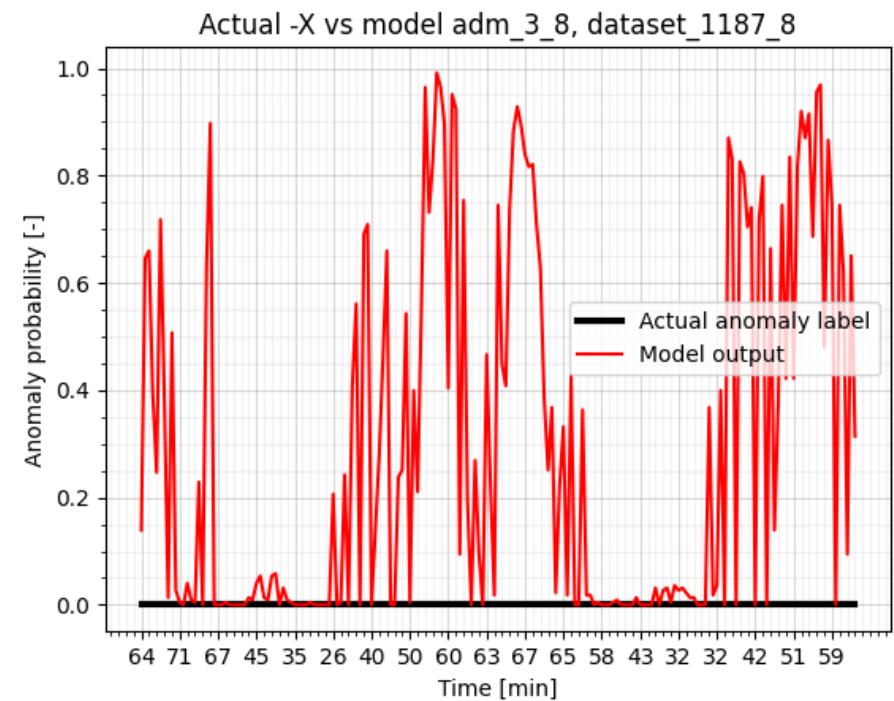
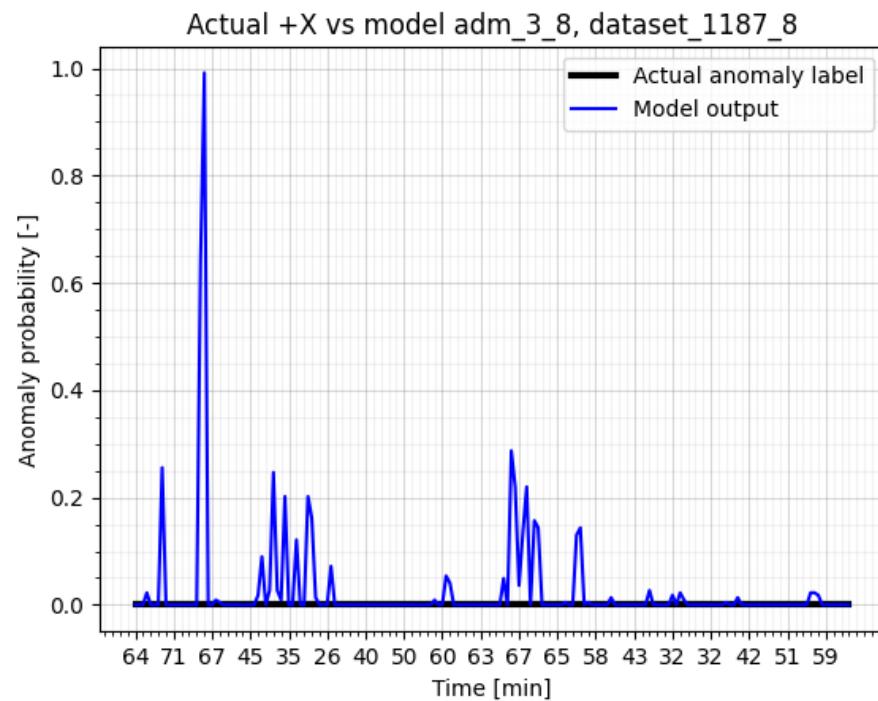


Figure 8: model inferences on dataset_1187_7_mod1.png





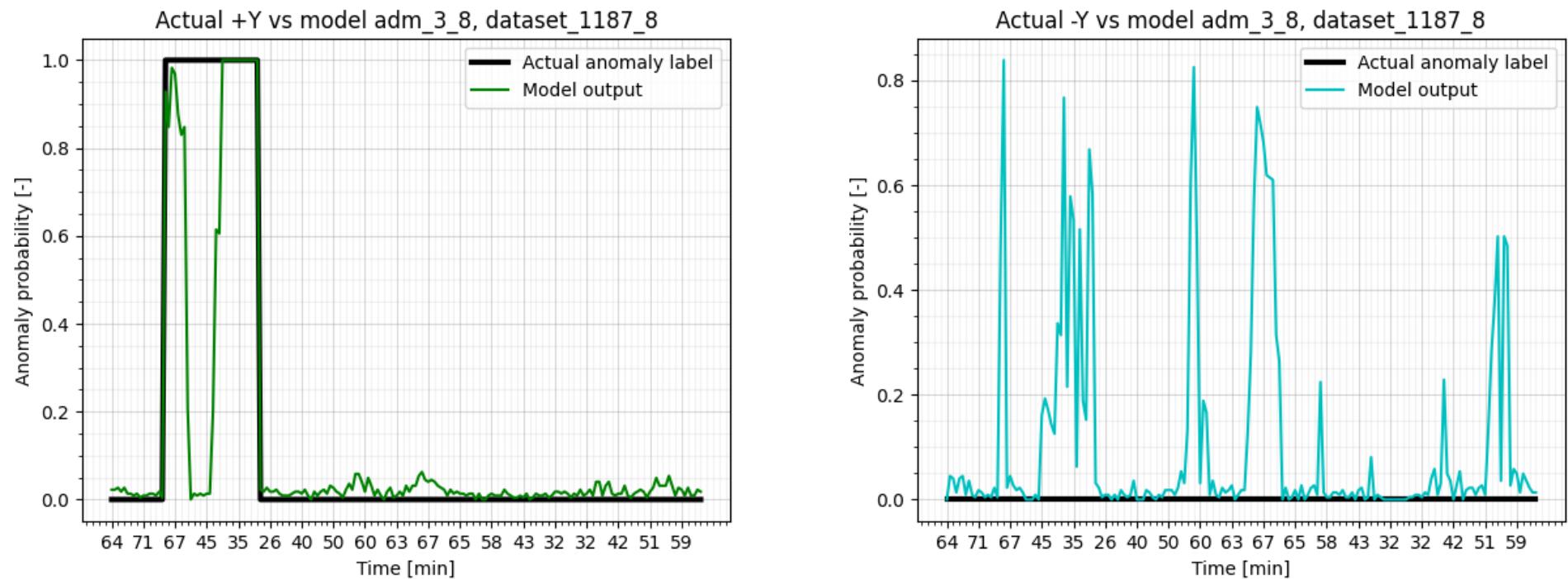
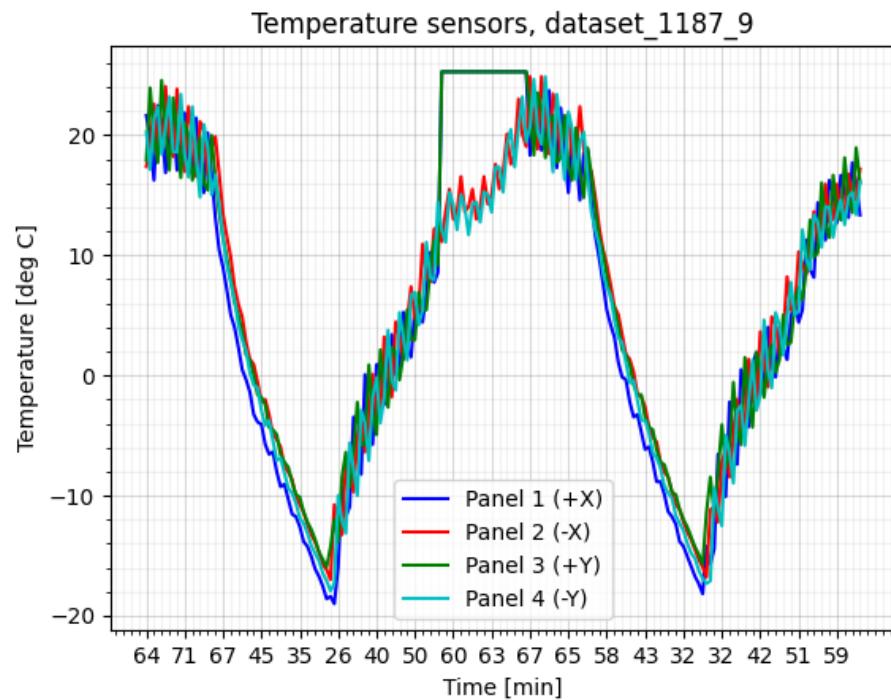
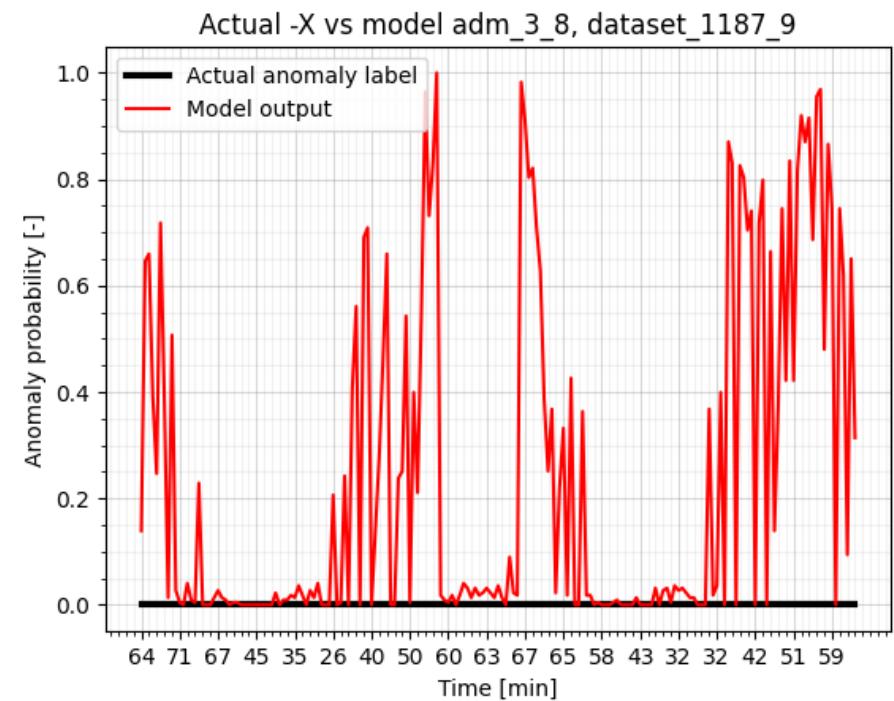
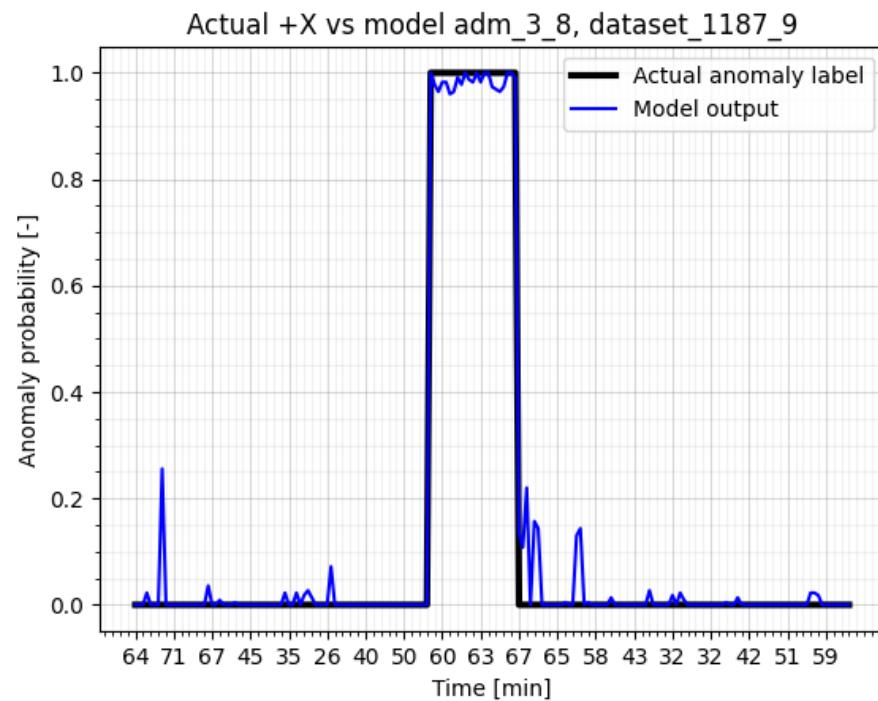


Figure 9: model inferences on dataset_1187_8_mod1.png





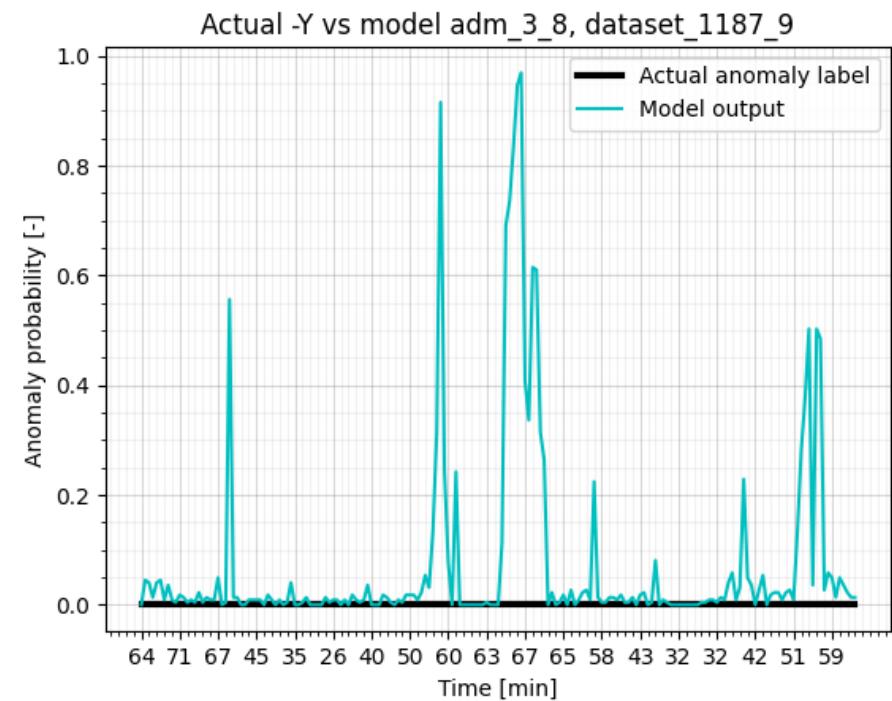
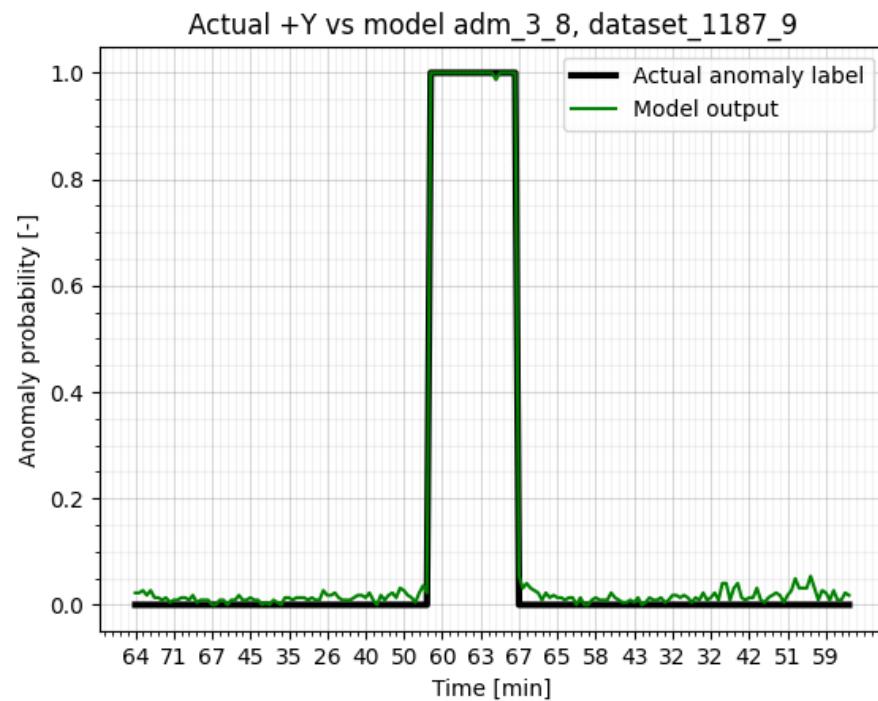
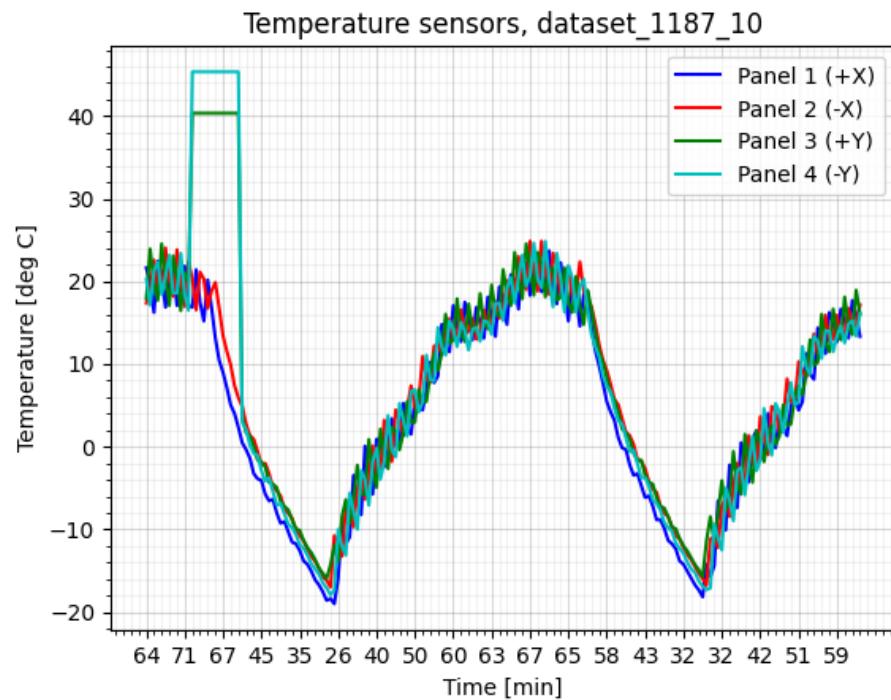
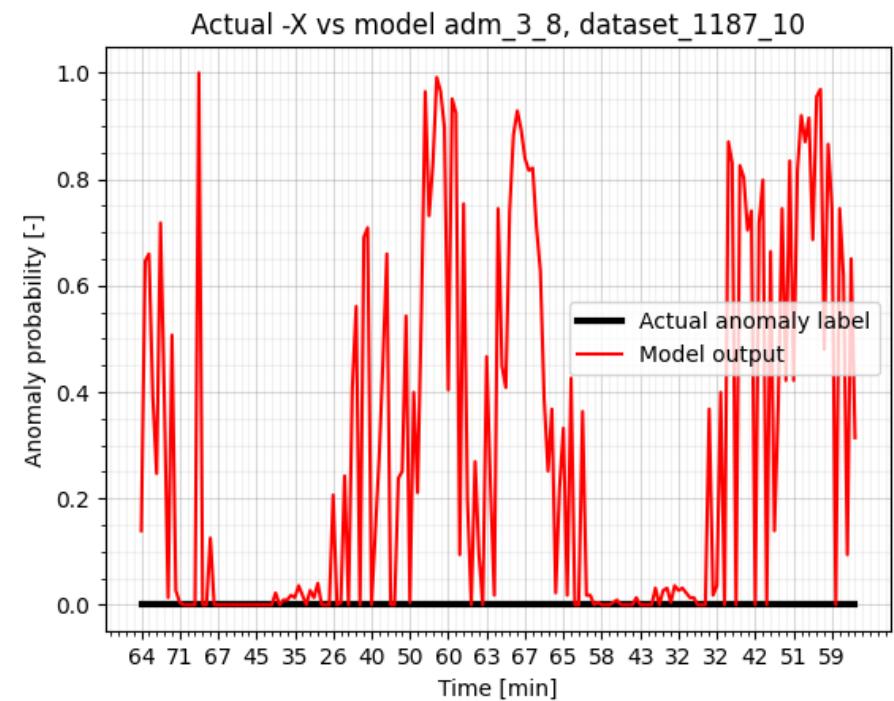
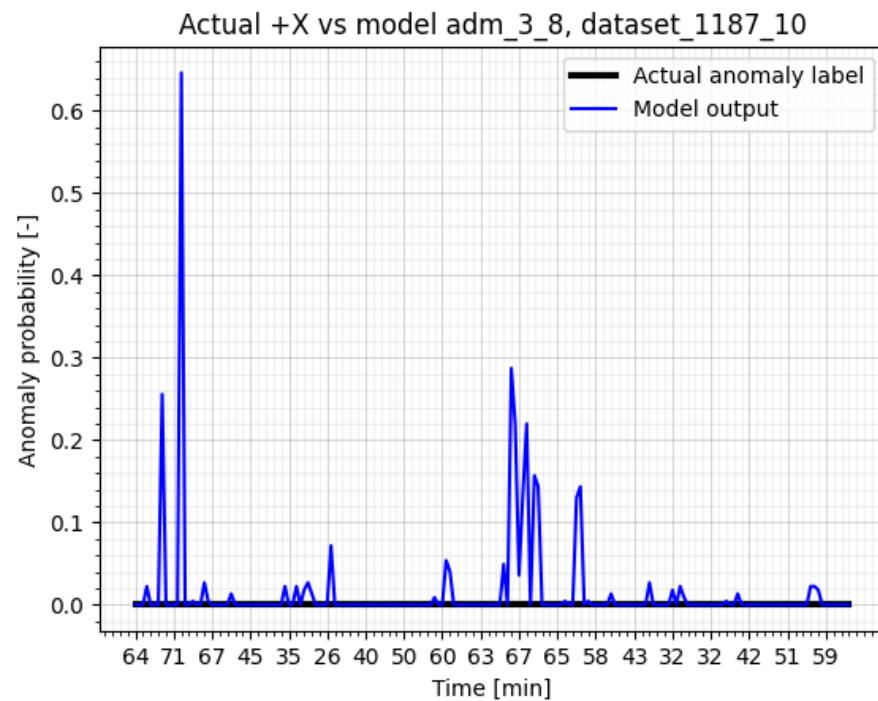


Figure 10: model inferences on dataset_1187_9_mod1.png





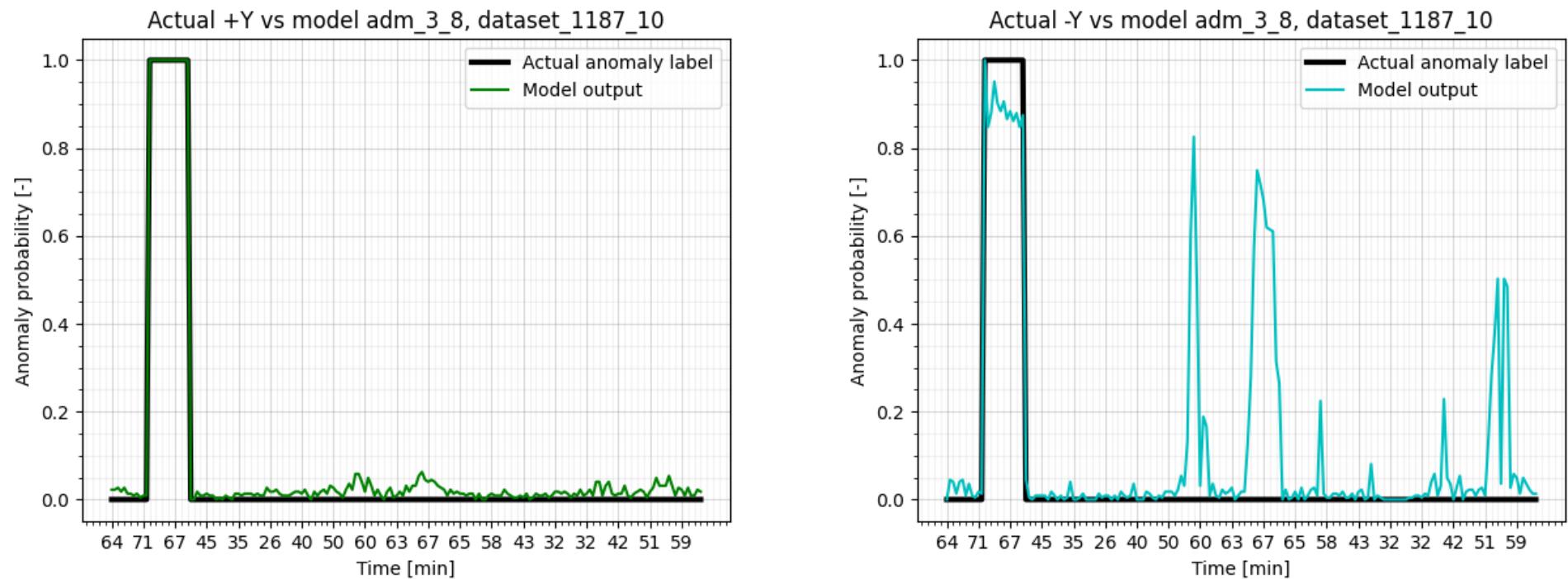
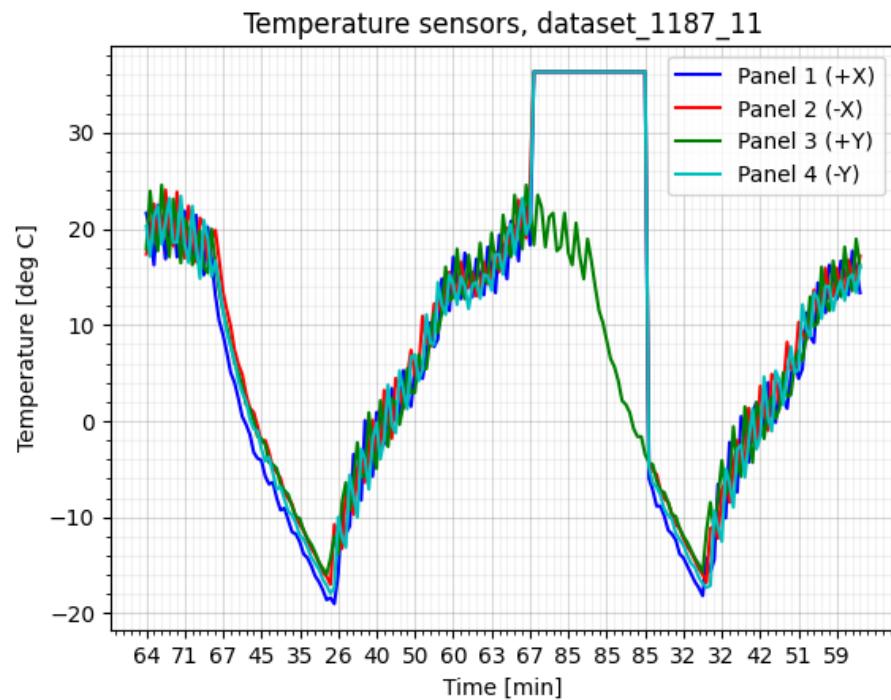
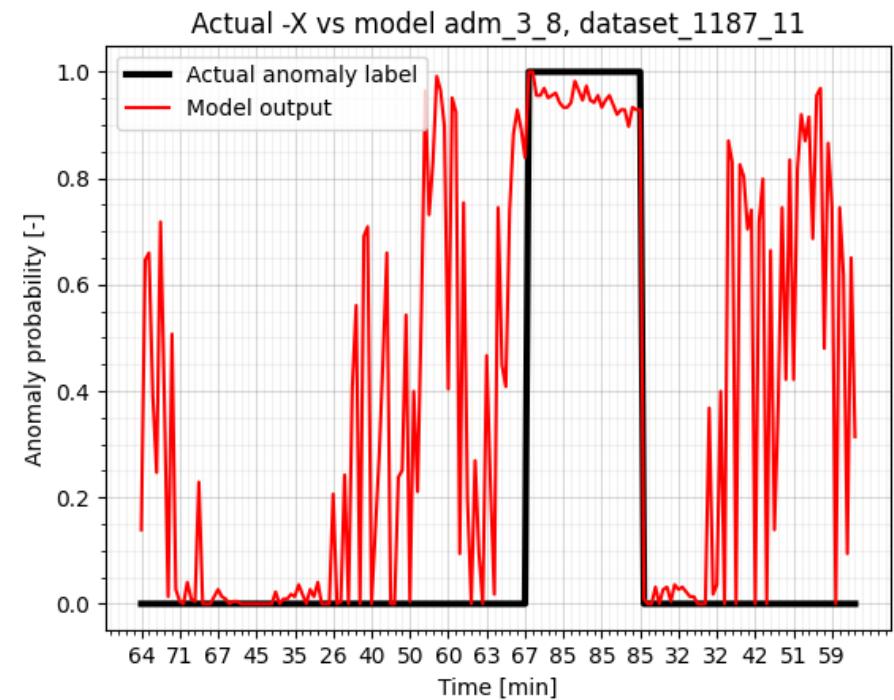
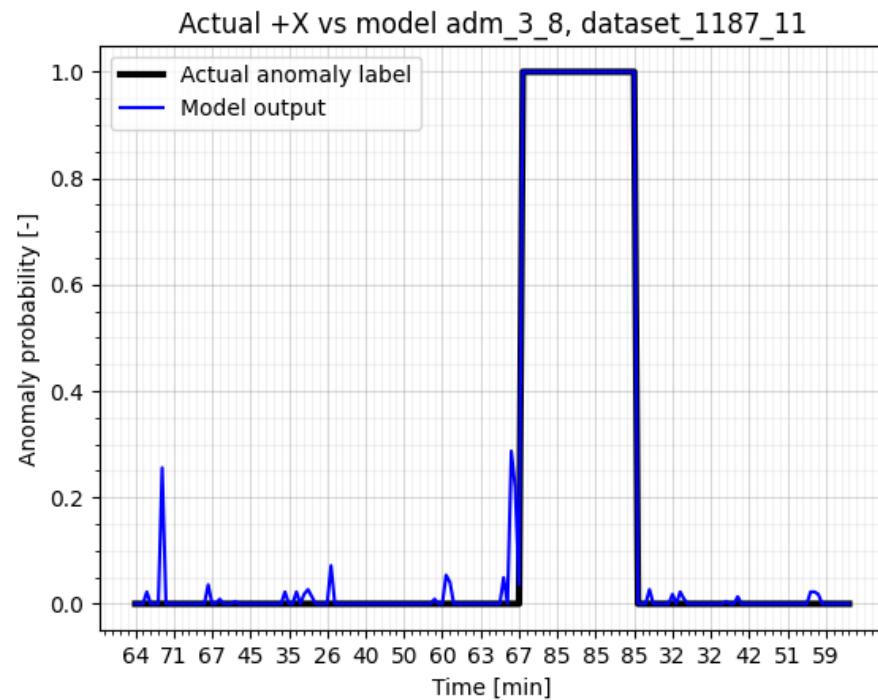


Figure 11: model inferences on dataset_1187_10_mod1.png





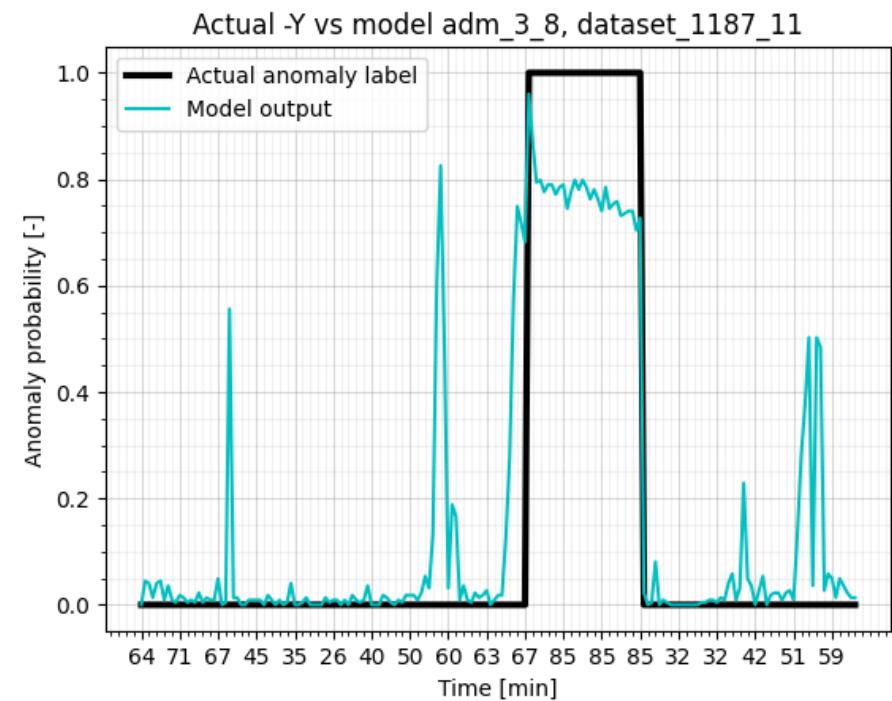
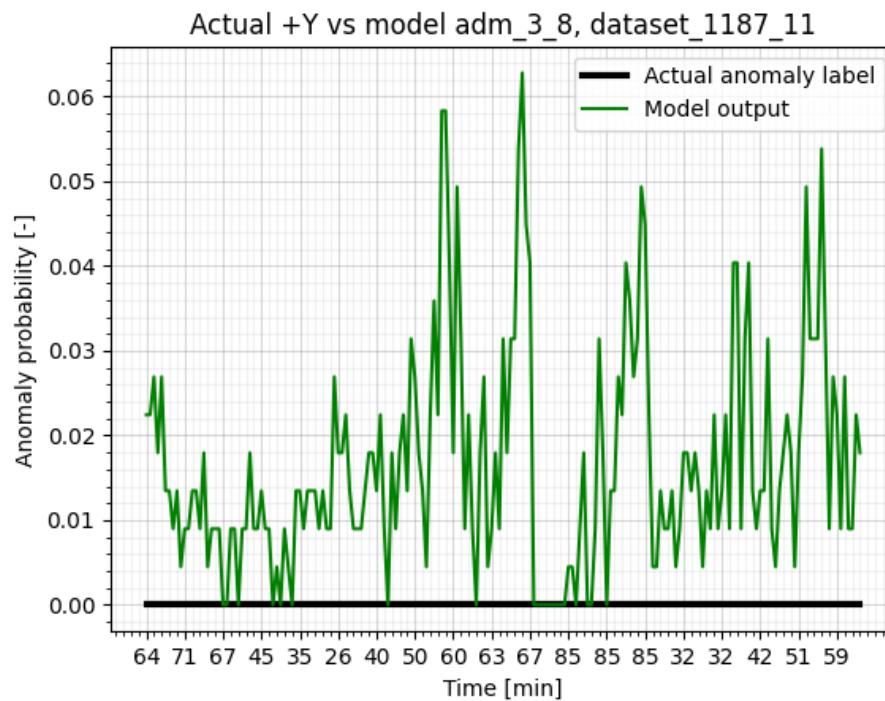
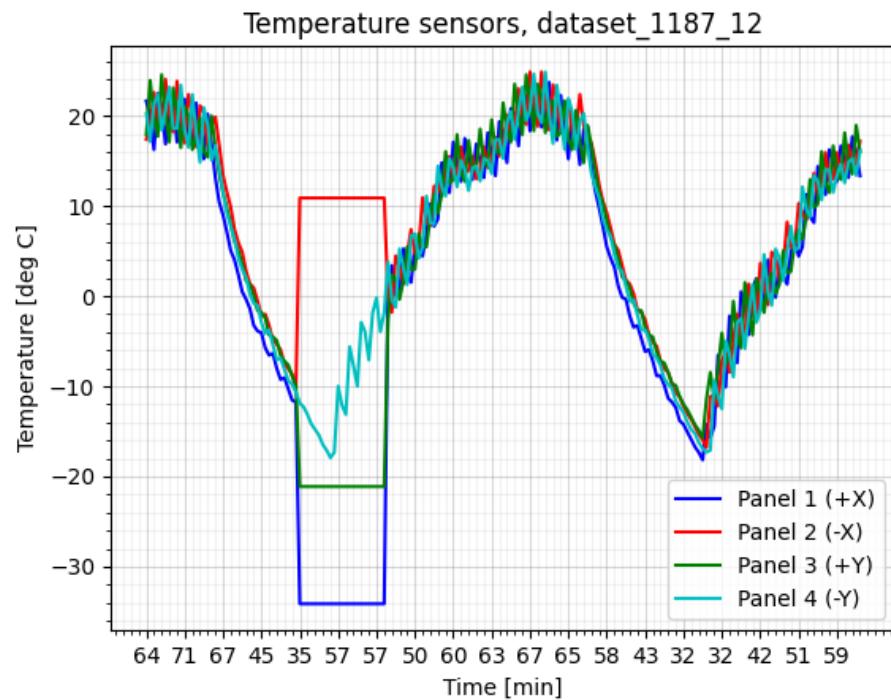
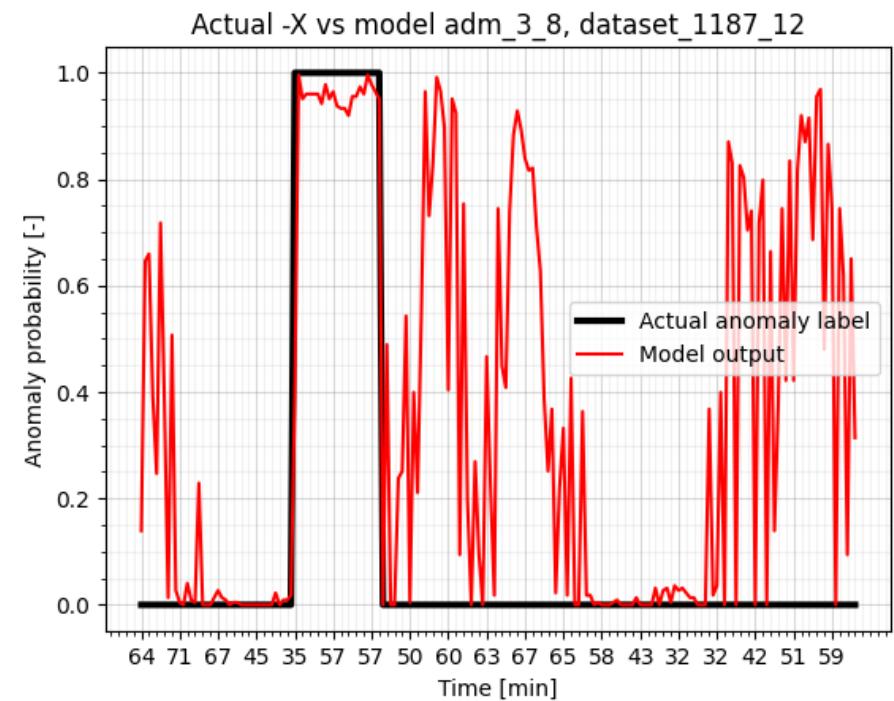
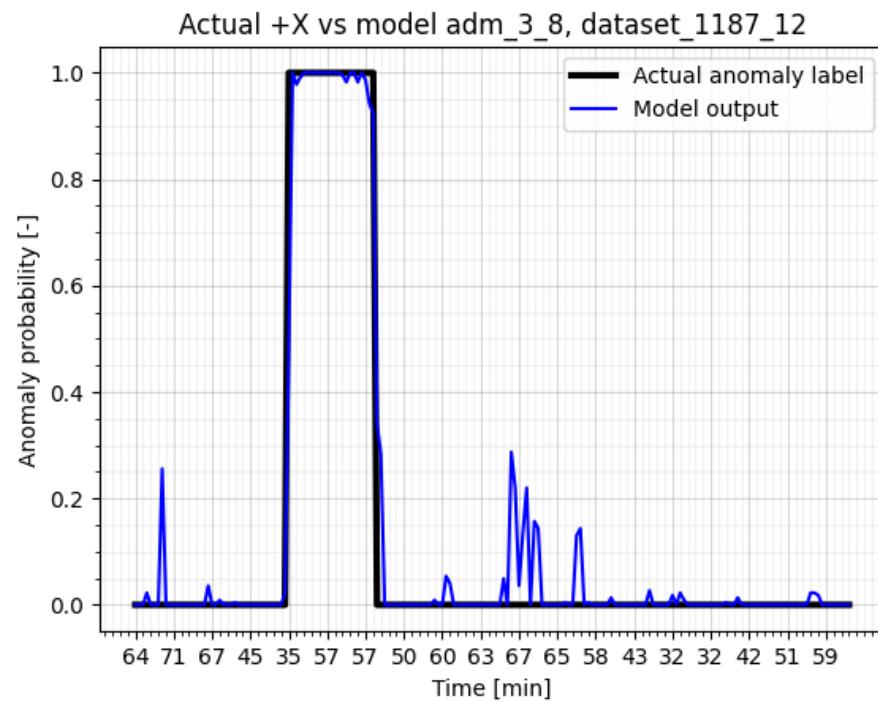


Figure 12: model inferences on dataset_1187_11_mod1.png





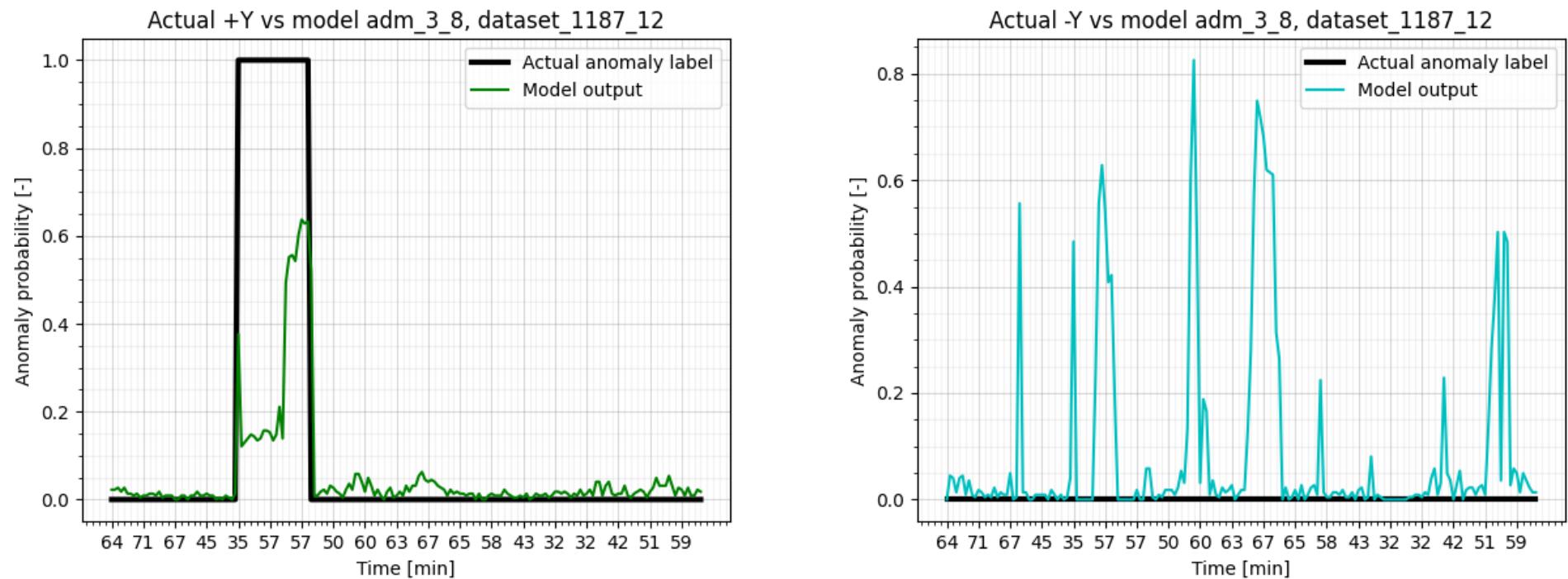
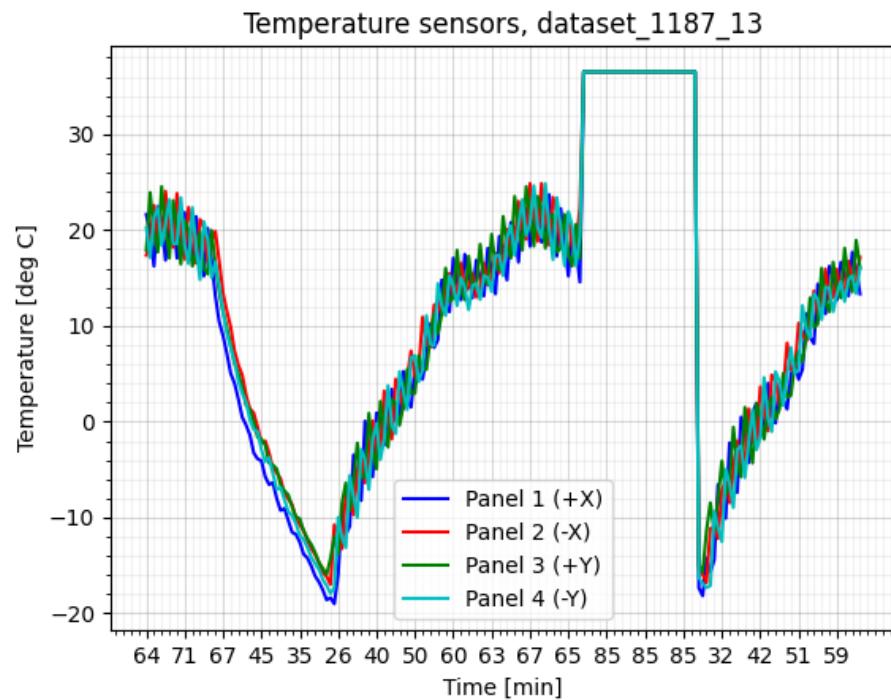
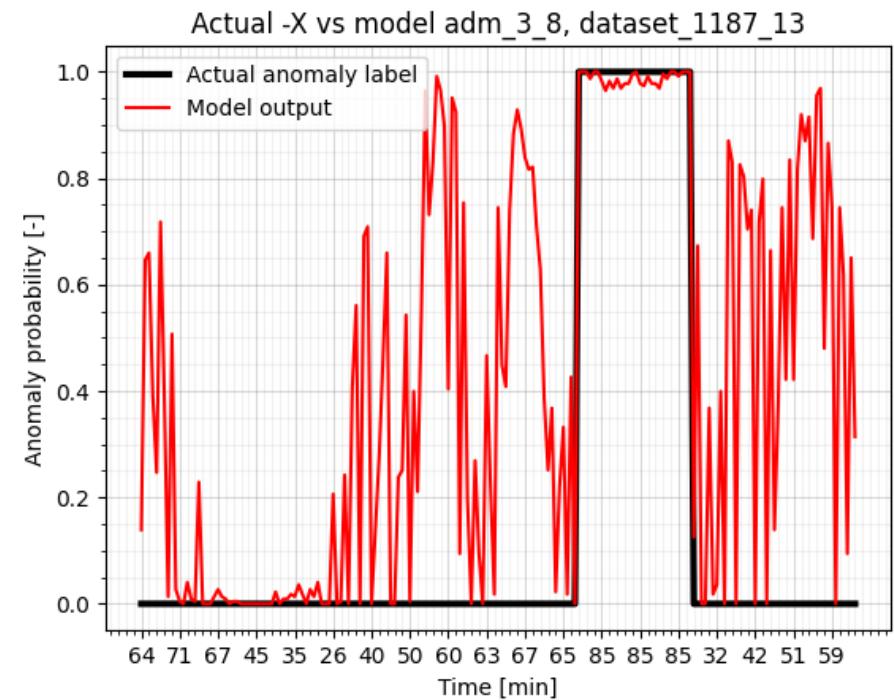
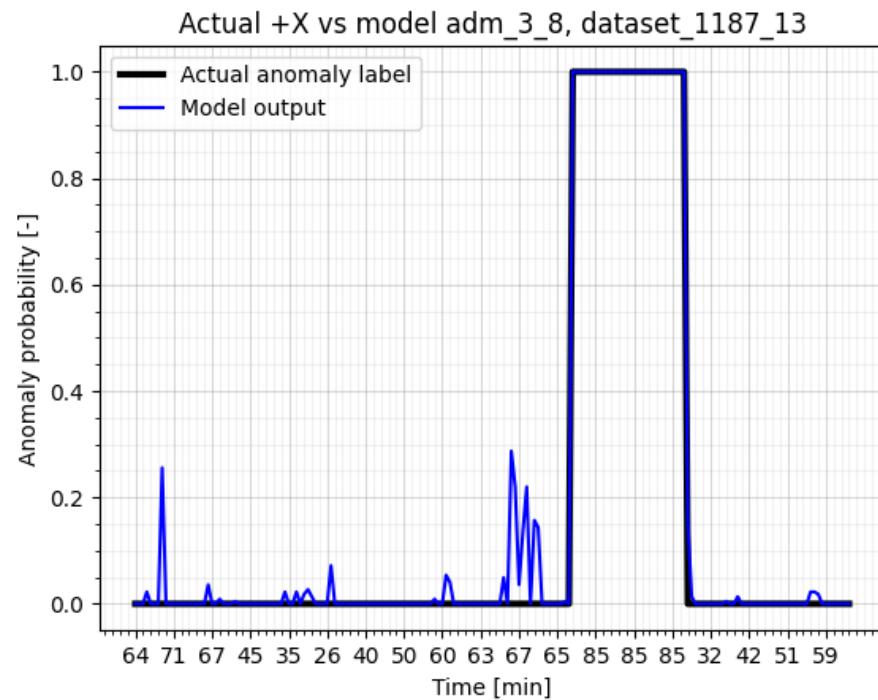


Figure 13: model inferences on dataset_1187_12_mod1.png





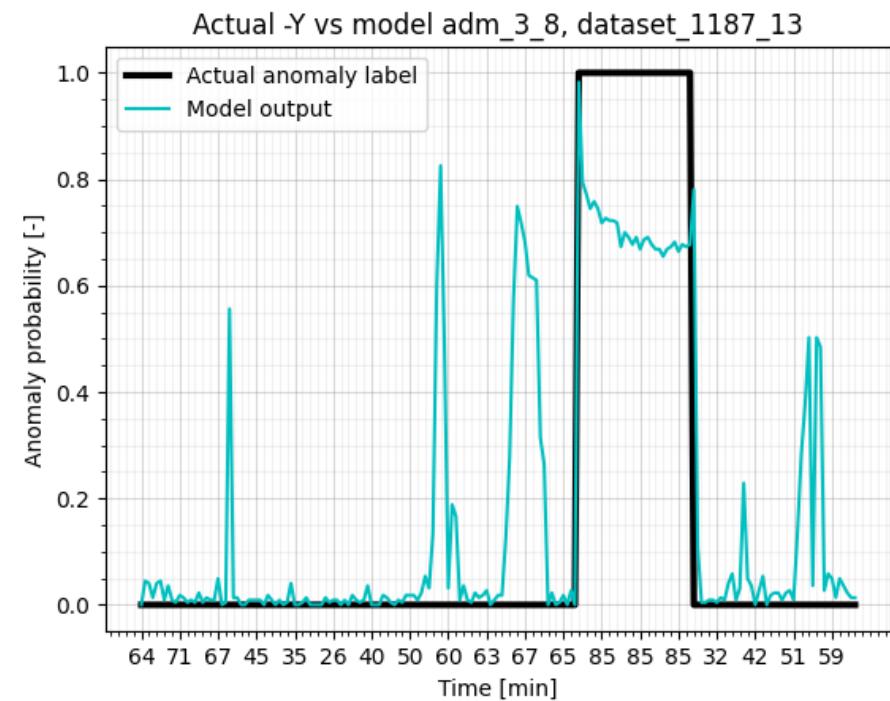
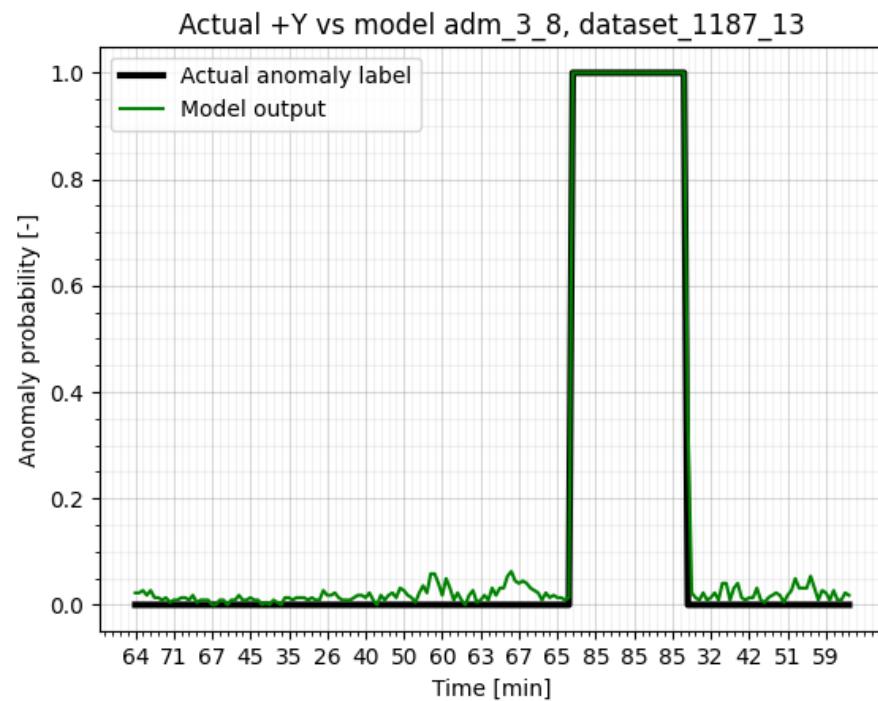
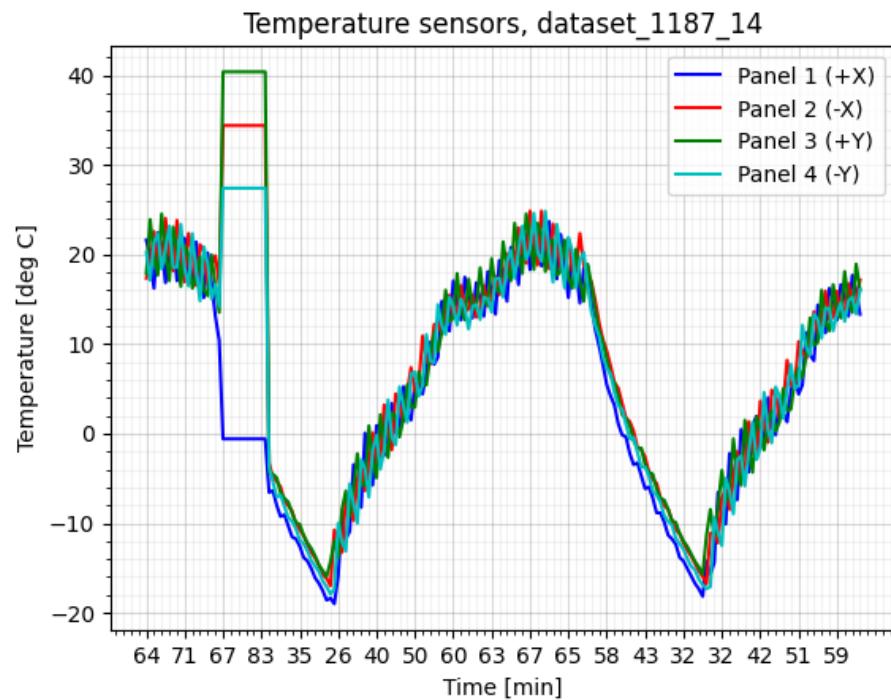
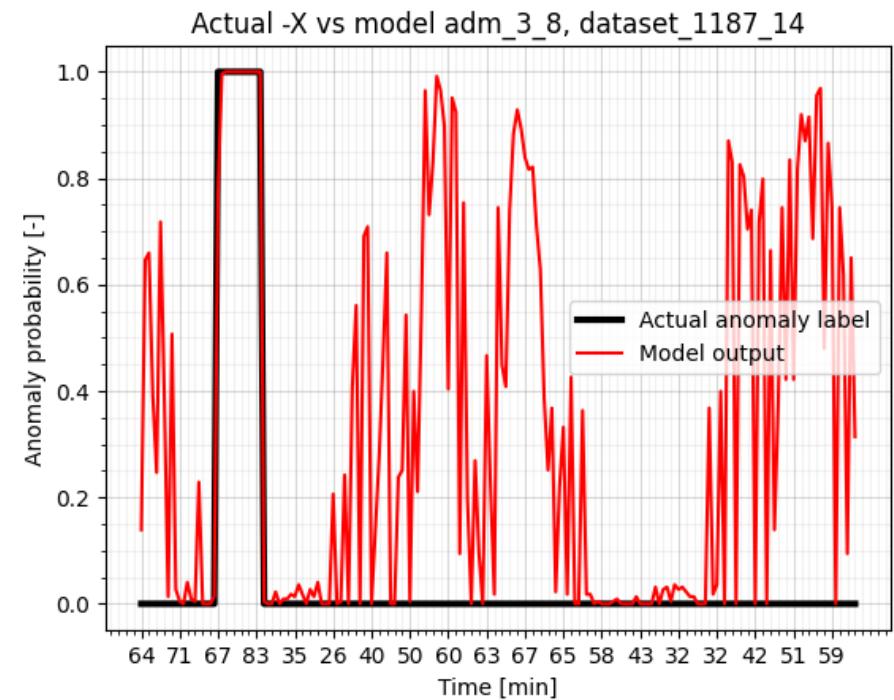
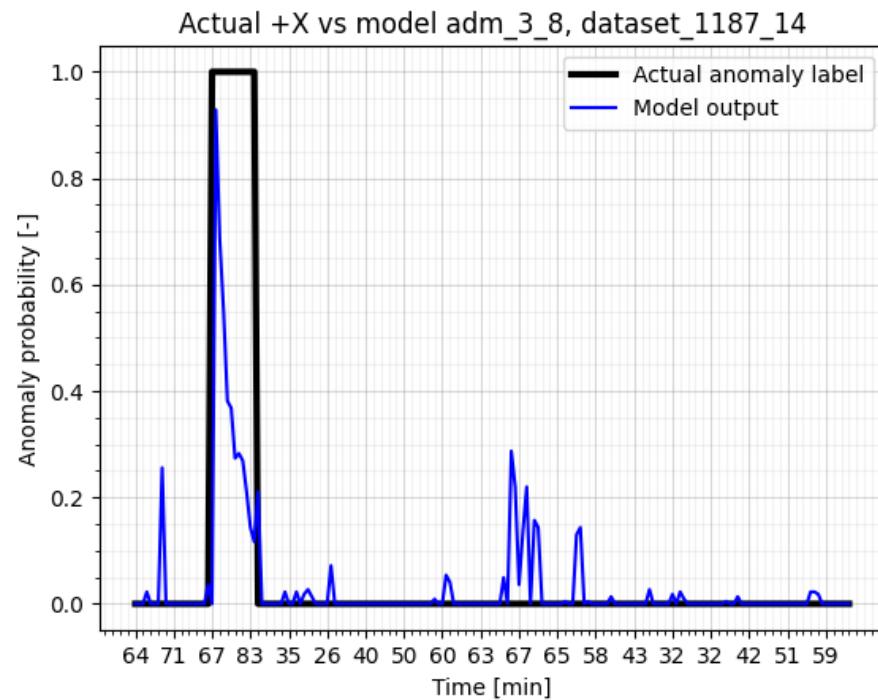


Figure 14: model inferences on dataset_1187_13_mod1.png





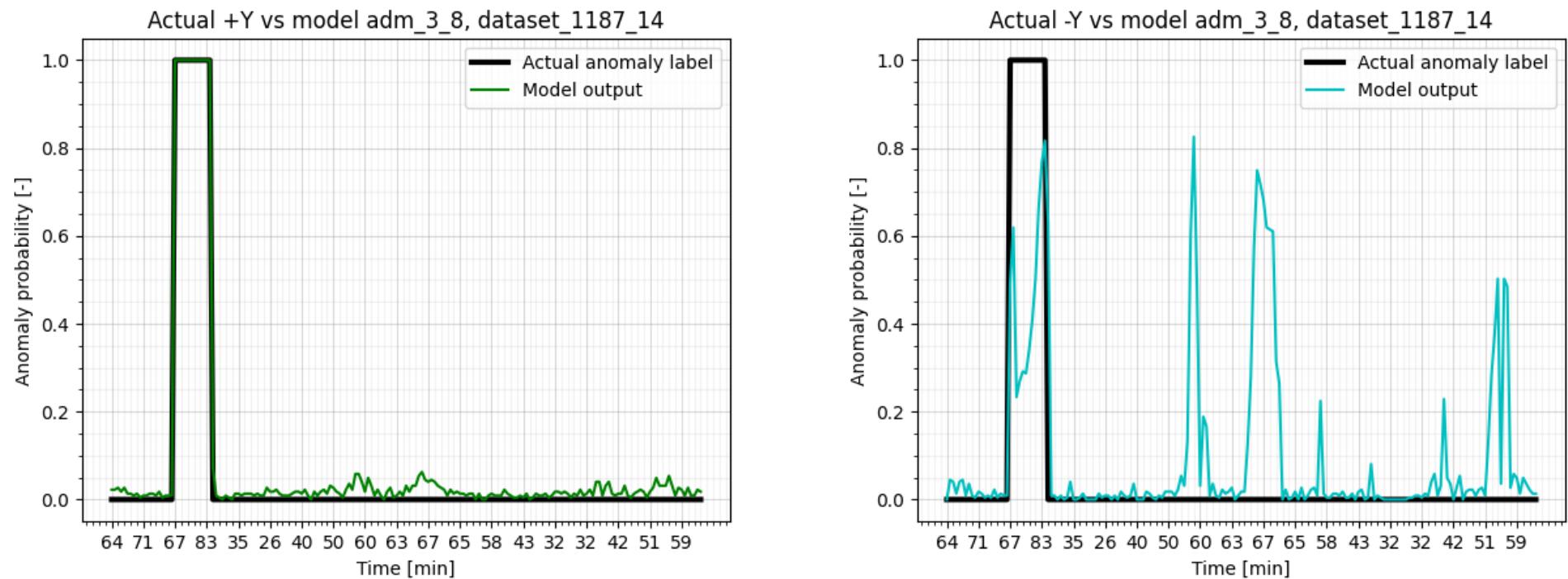
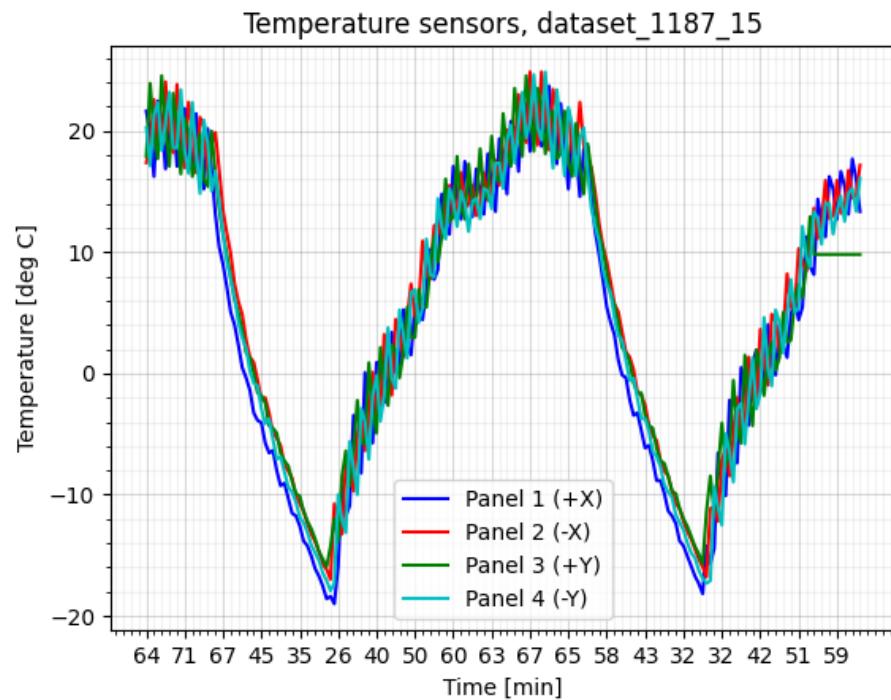
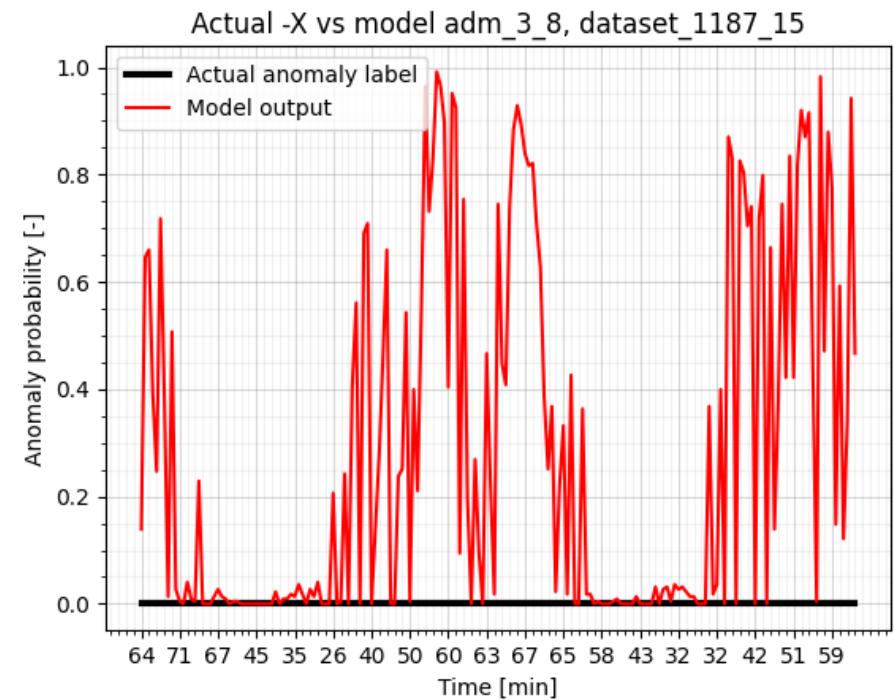
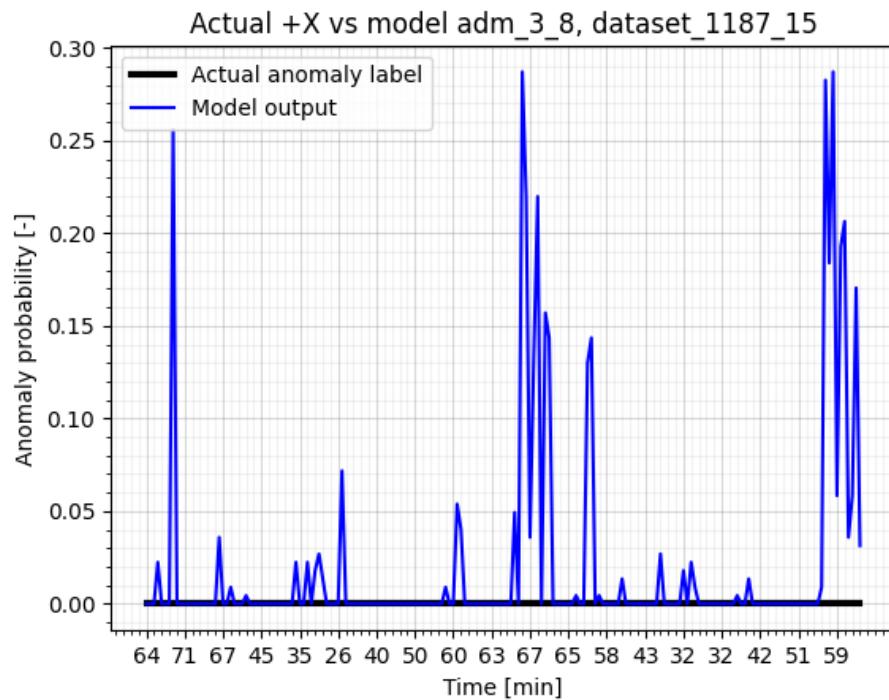


Figure 15: model inferences on dataset_1187_14_mod1.png





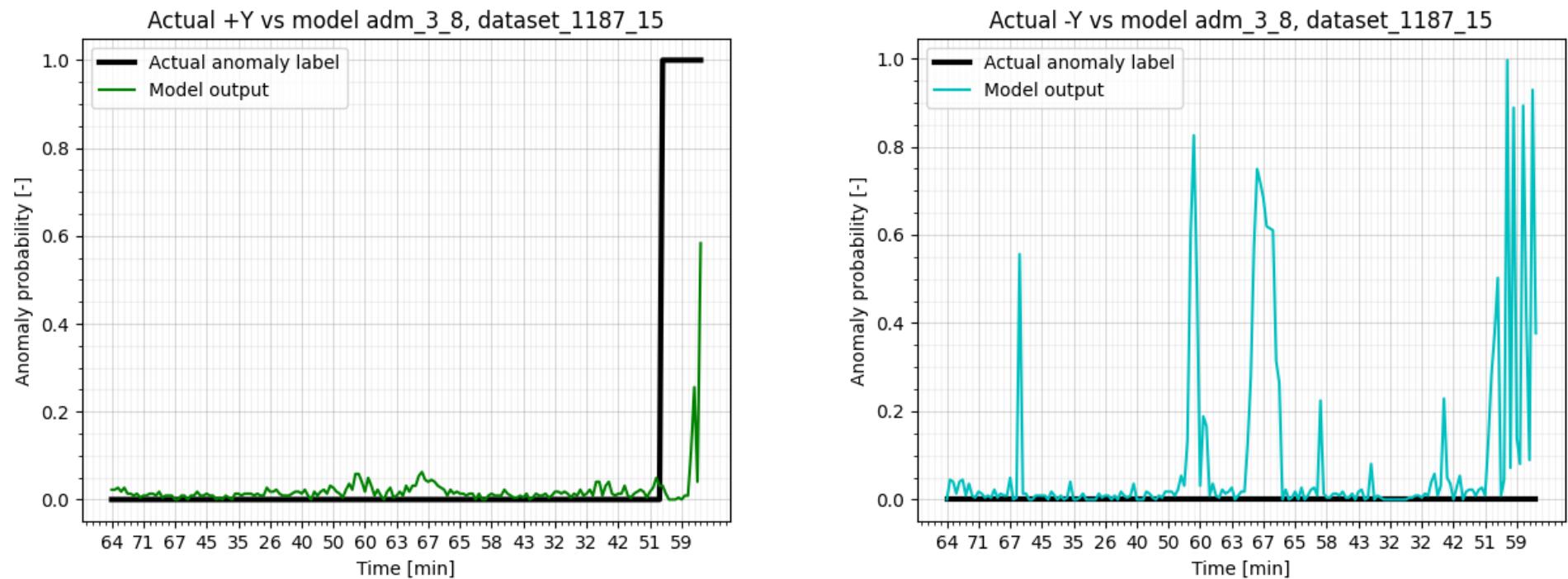
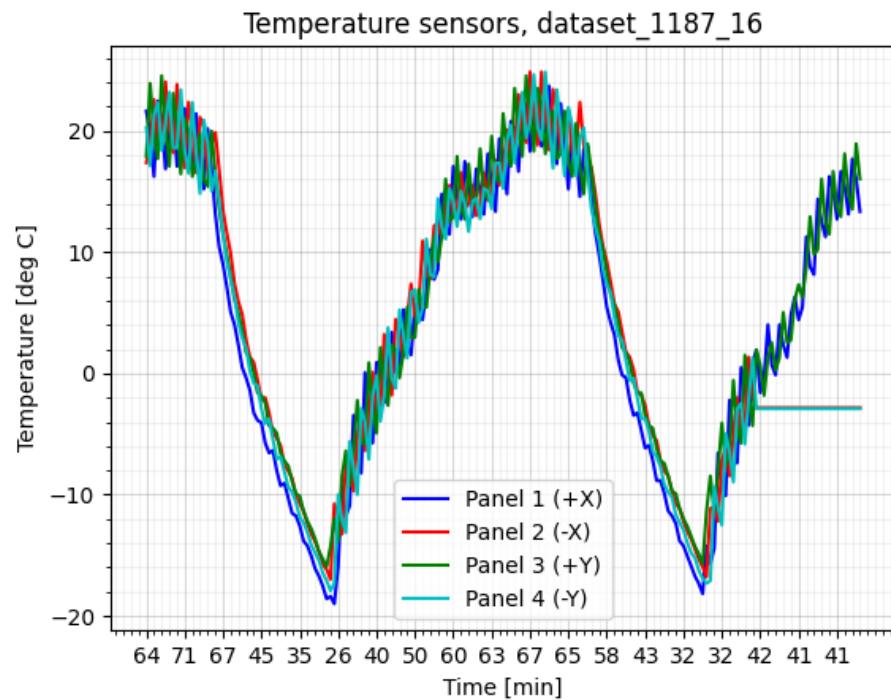
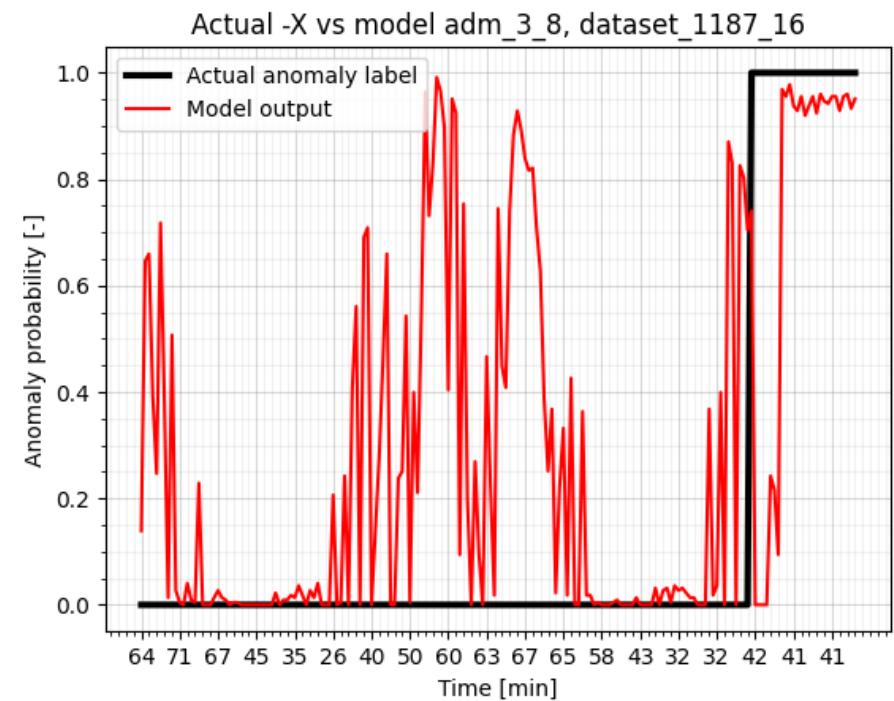
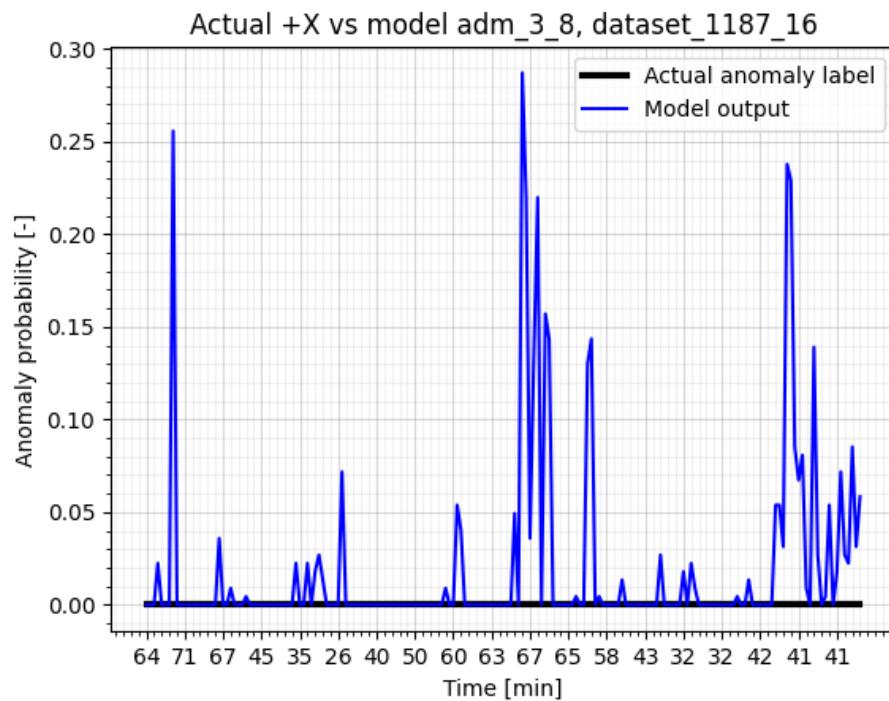


Figure 16: model inferences on dataset_1187_15_mod1.png





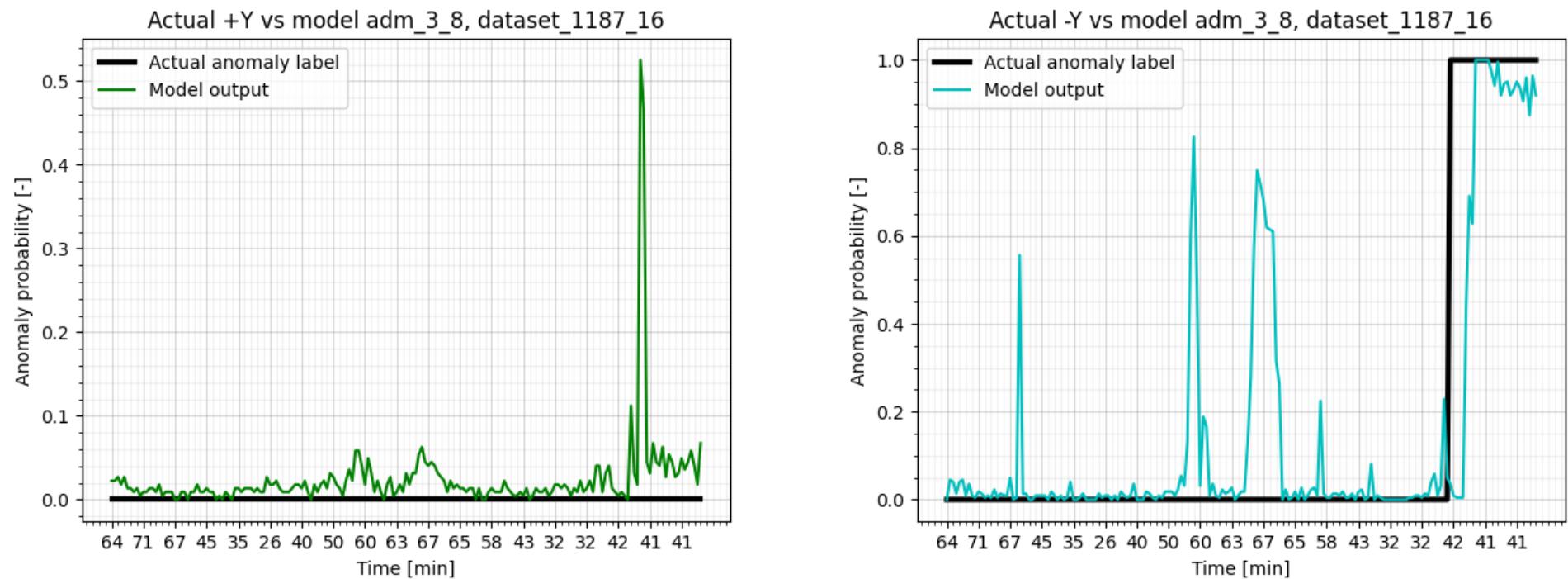
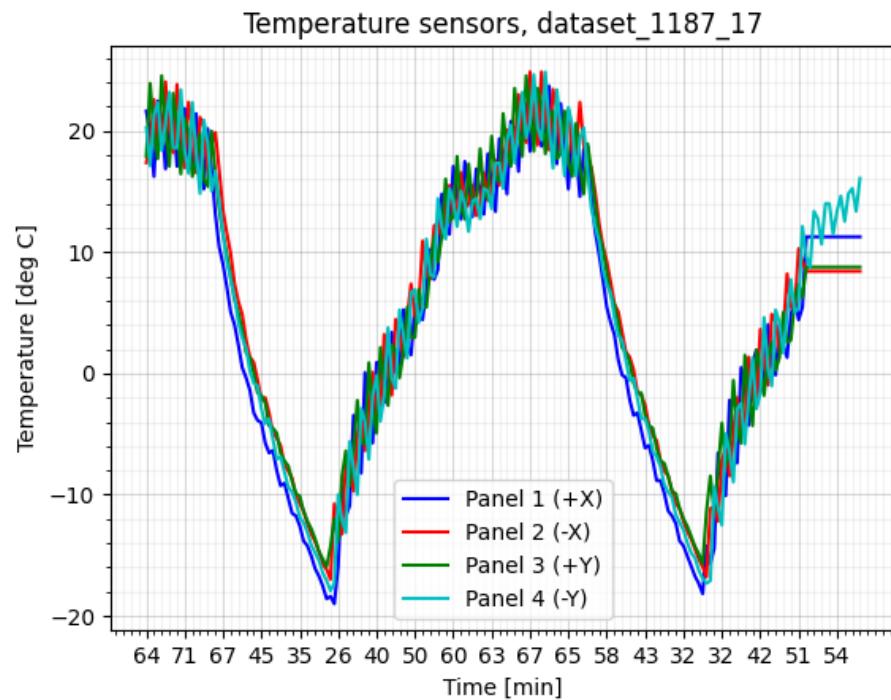
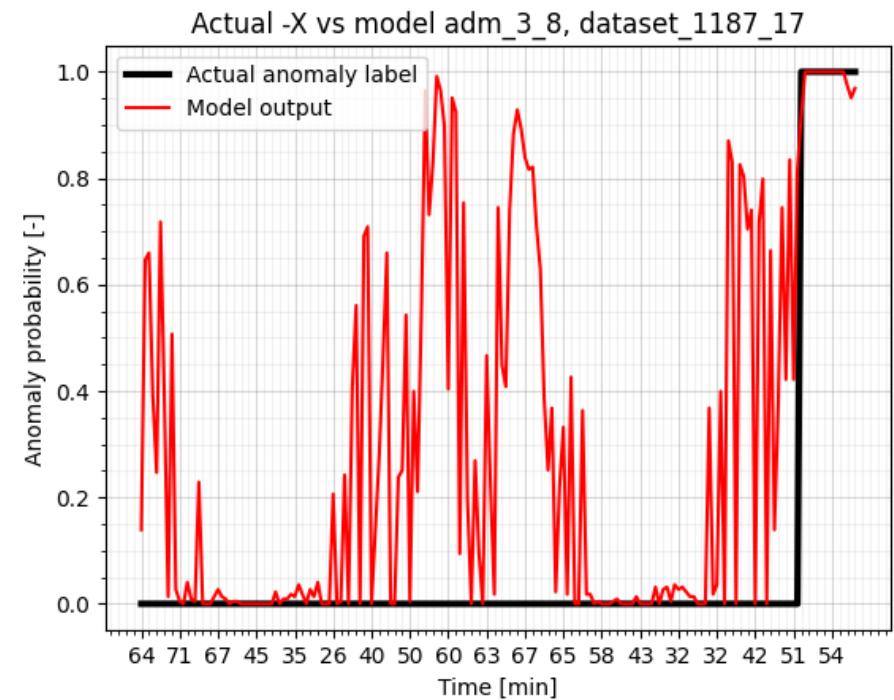
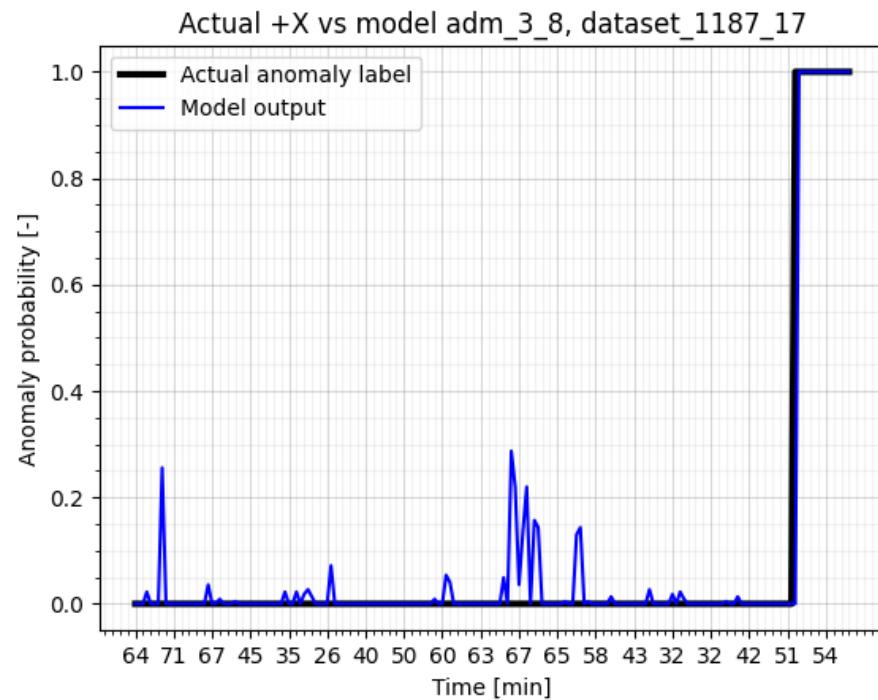


Figure 17: model inferences on dataset_1187_16_mod1.png





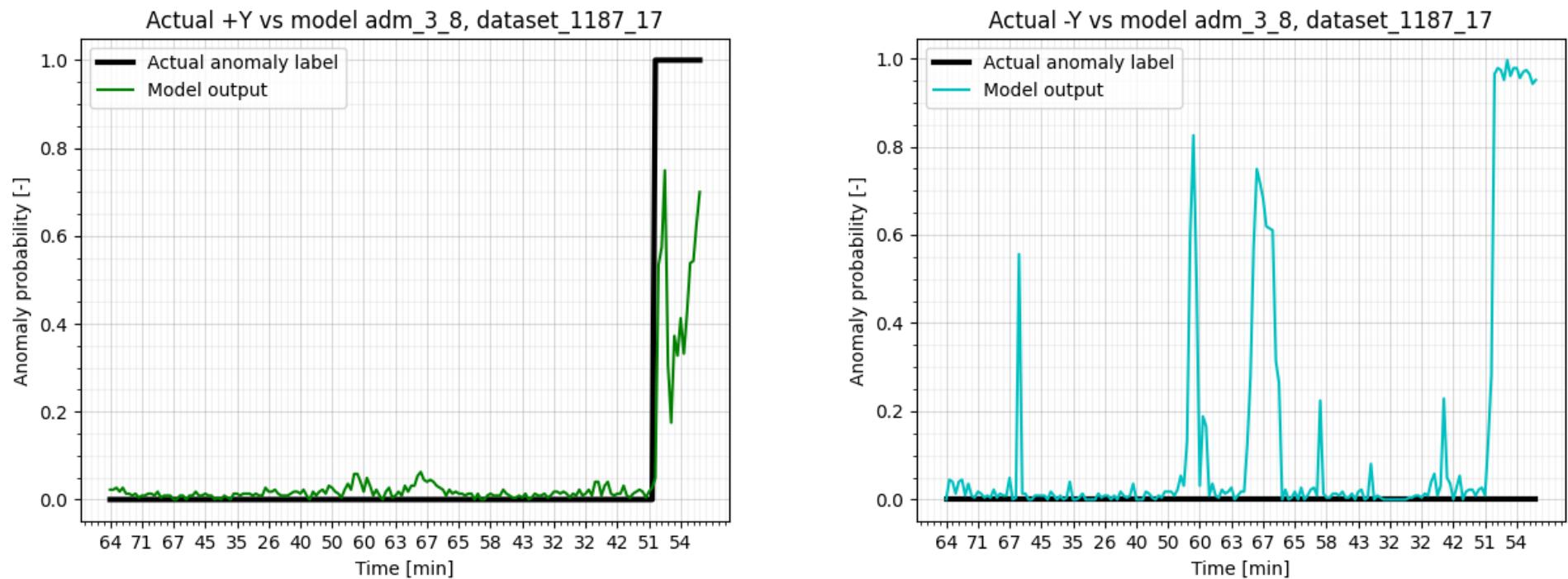
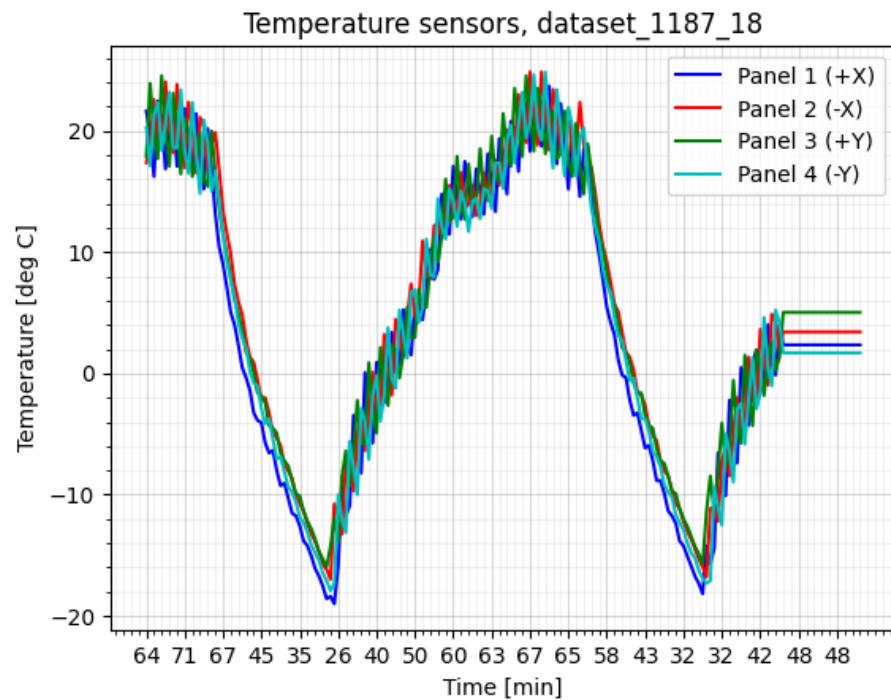
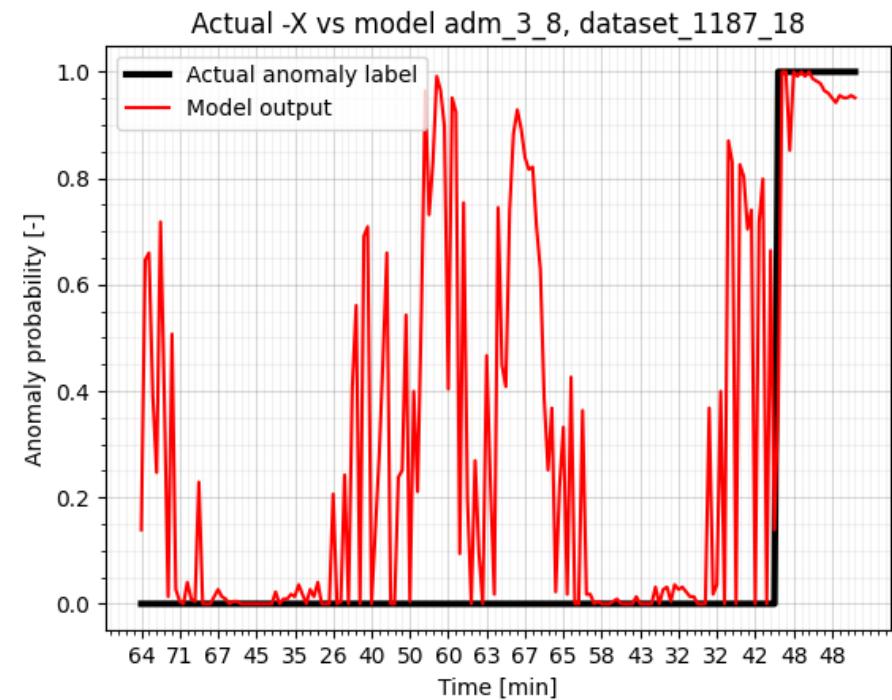
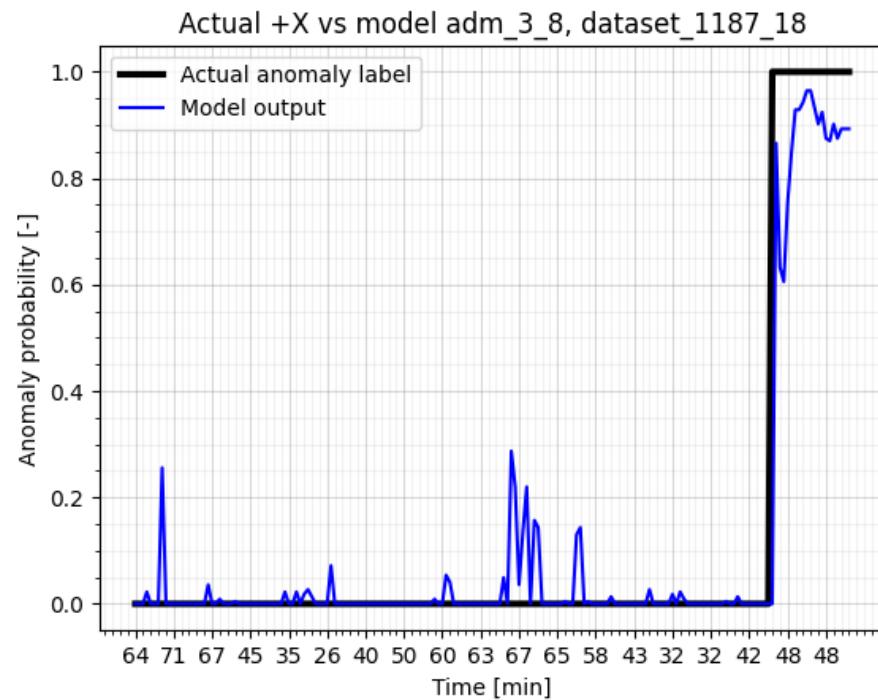


Figure 18: model inferences on dataset_1187_17_mod1.png





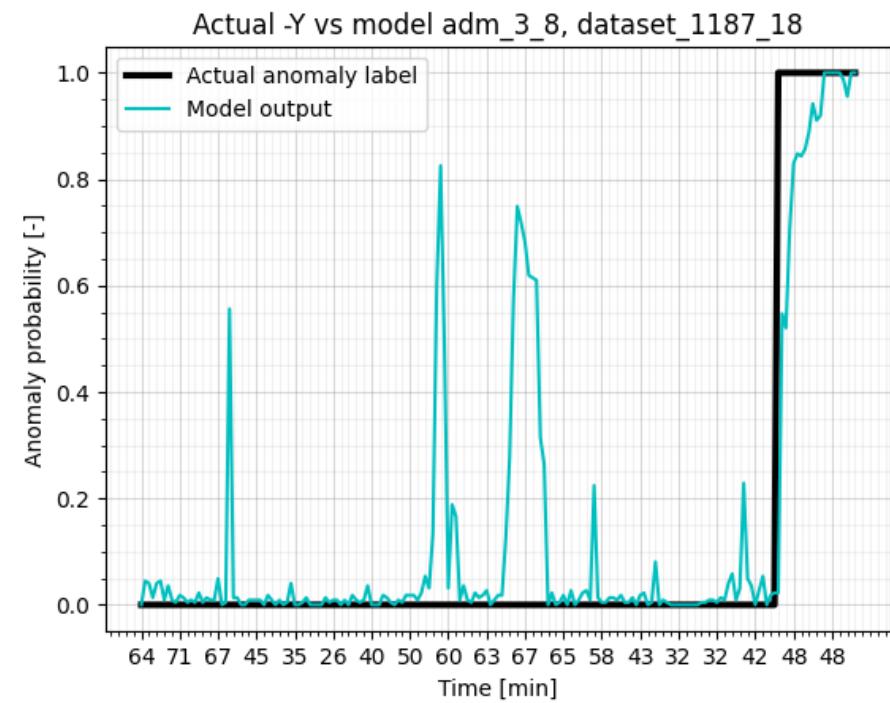
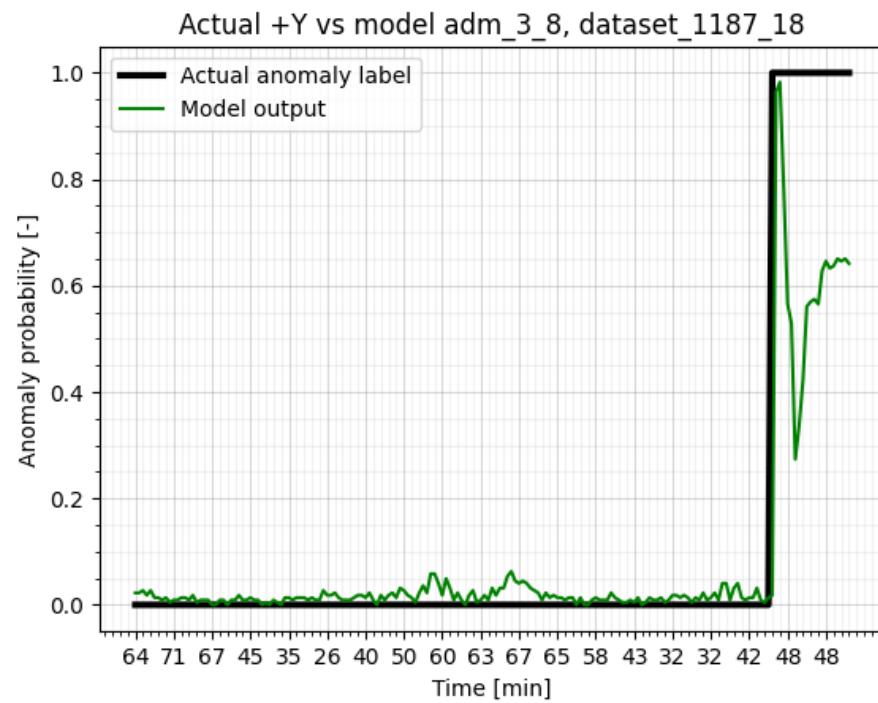
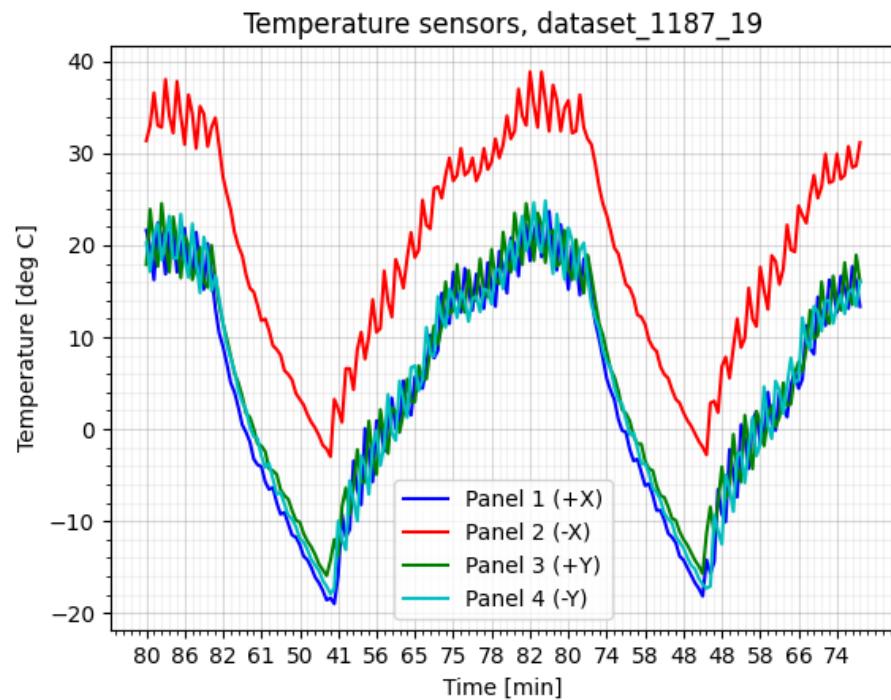
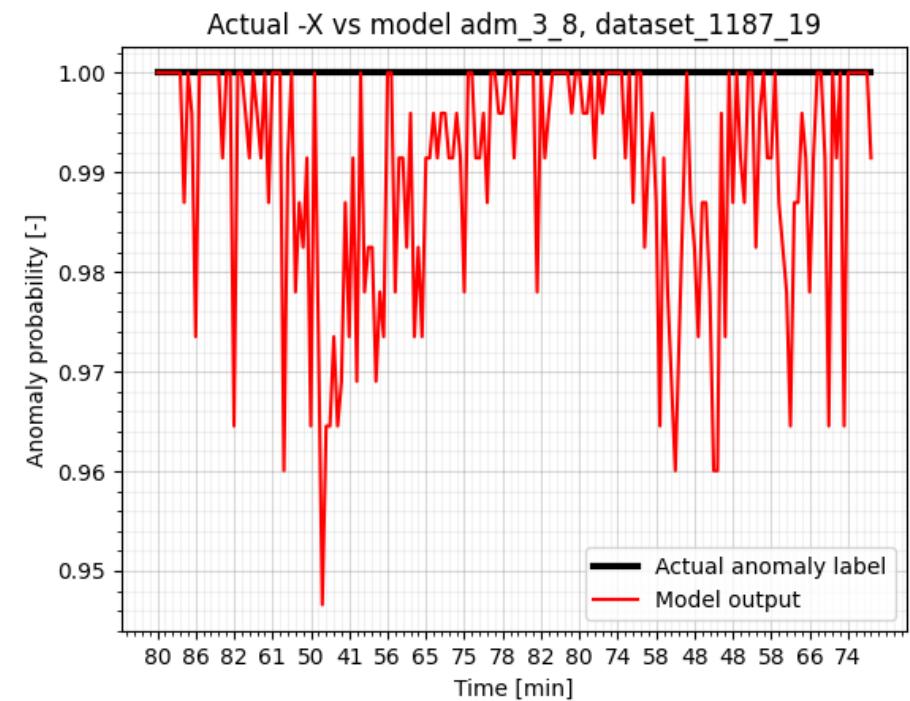
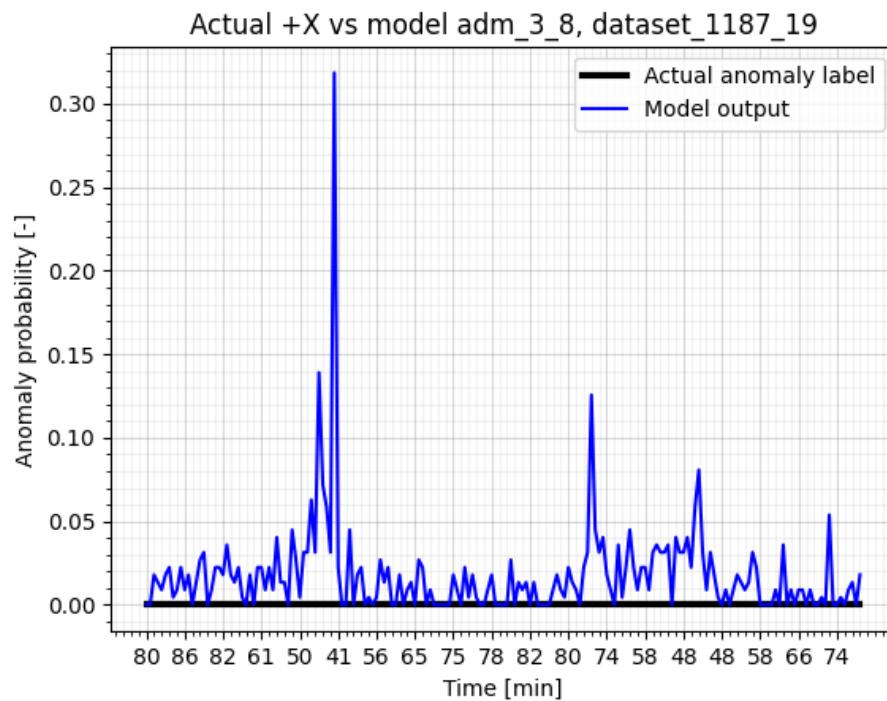


Figure 19: model inferences on dataset_1187_18_mod1.png





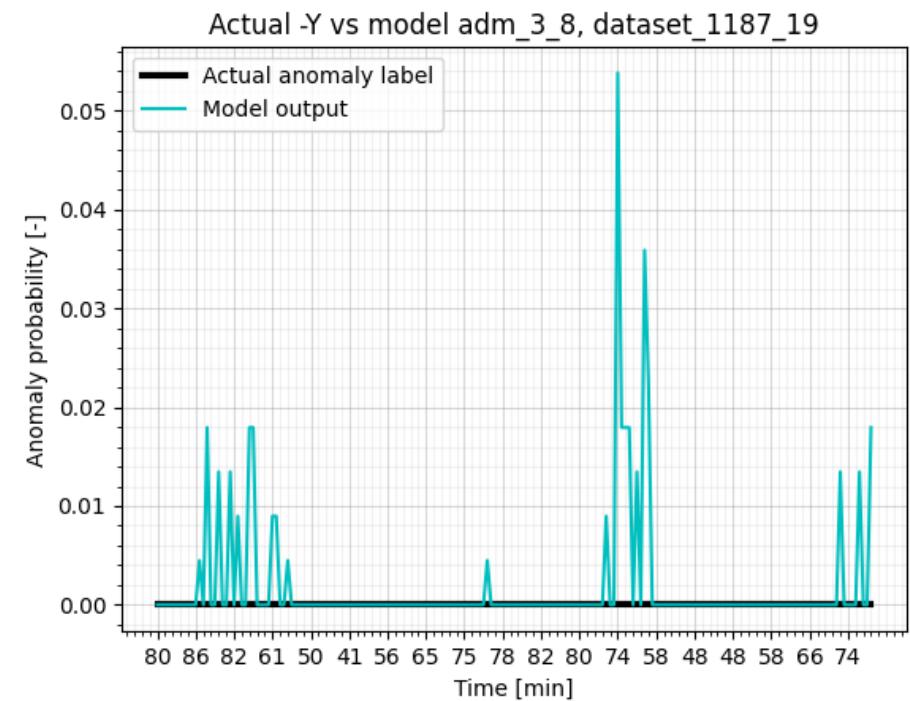
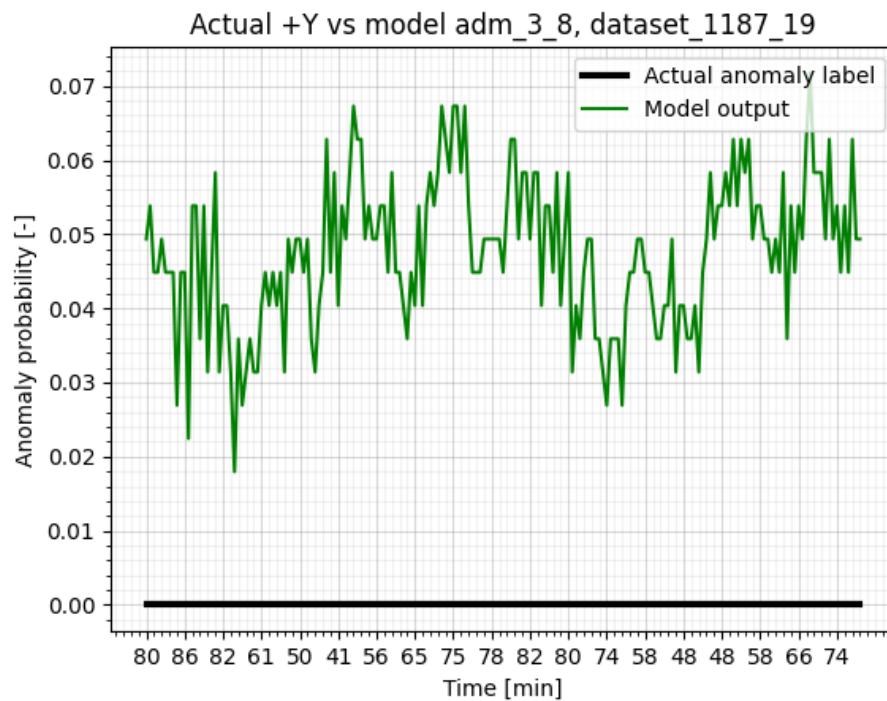
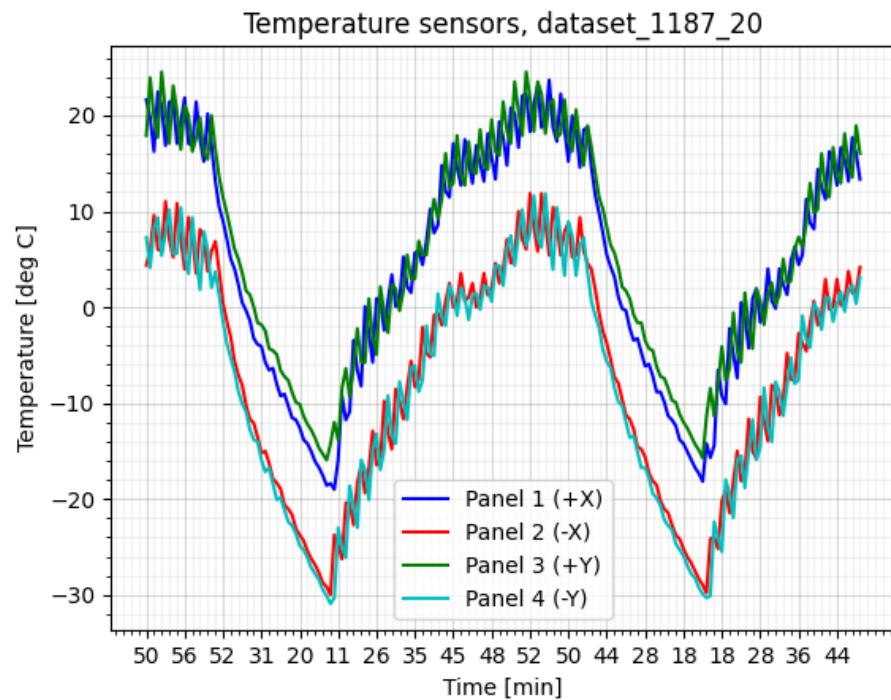
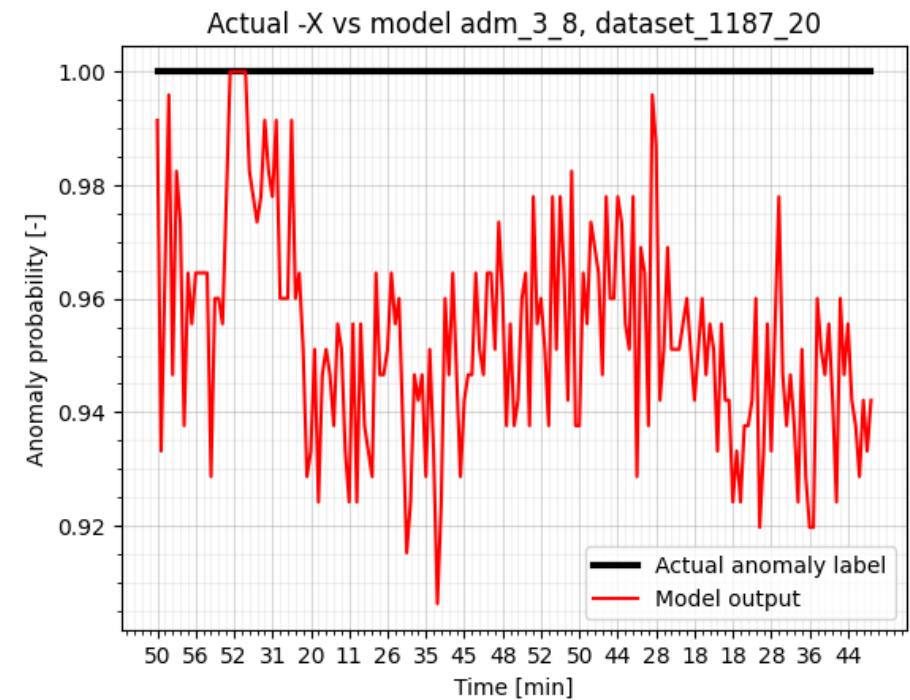
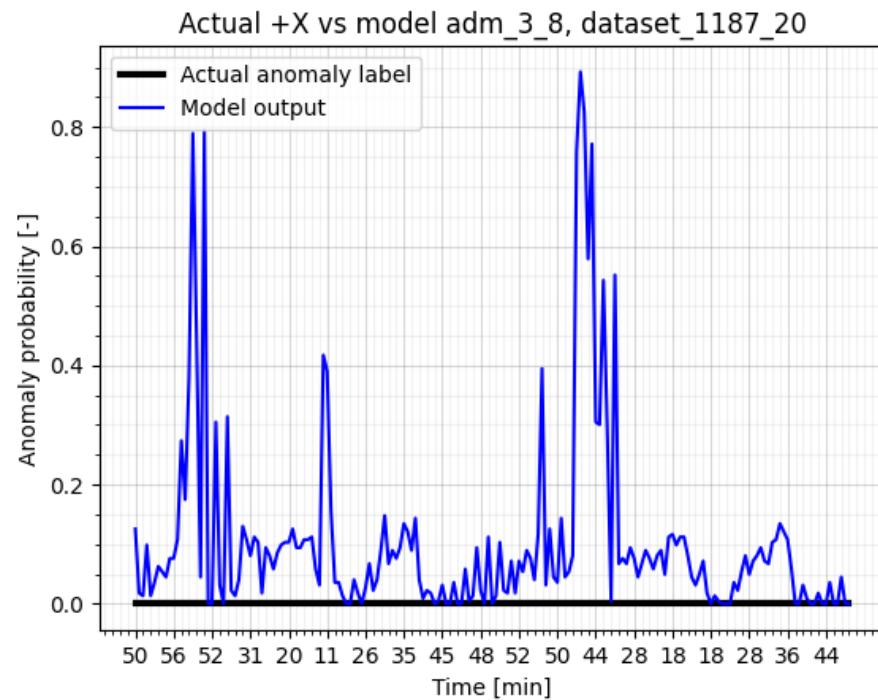


Figure 20: model inferences on dataset_1187_19_mod1.png





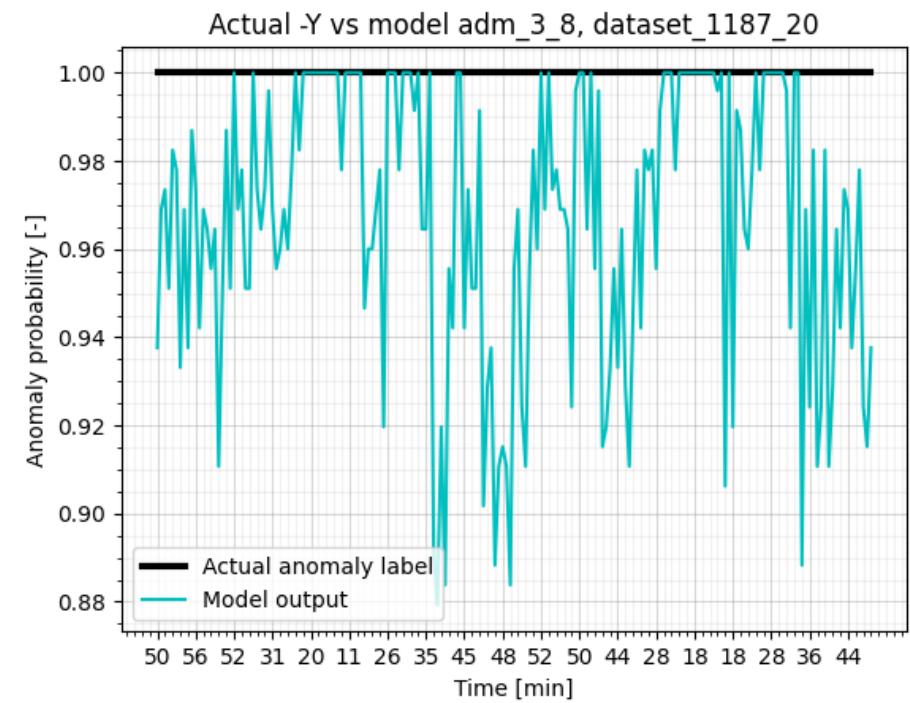
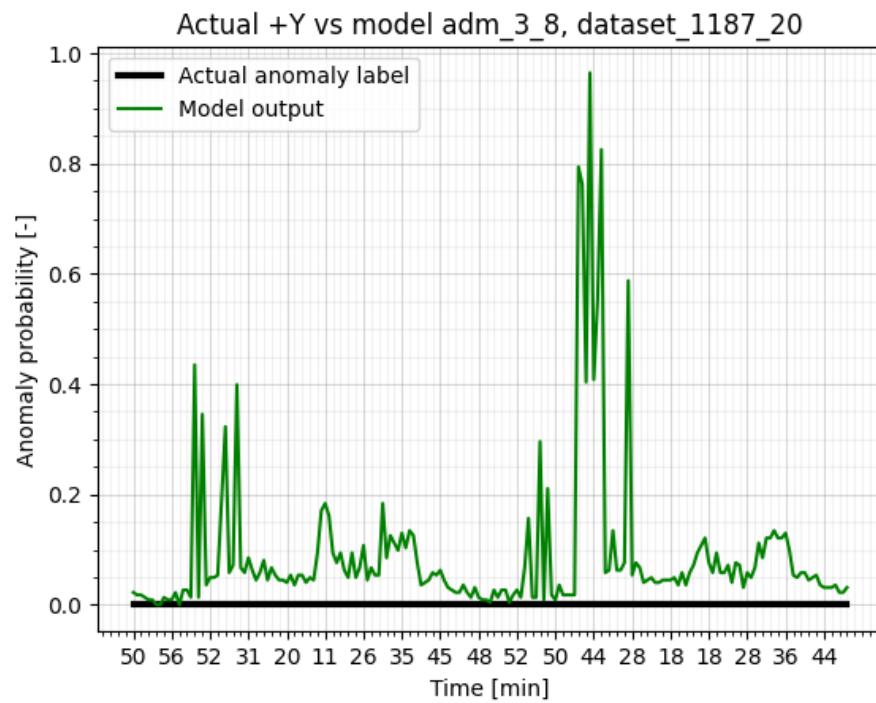
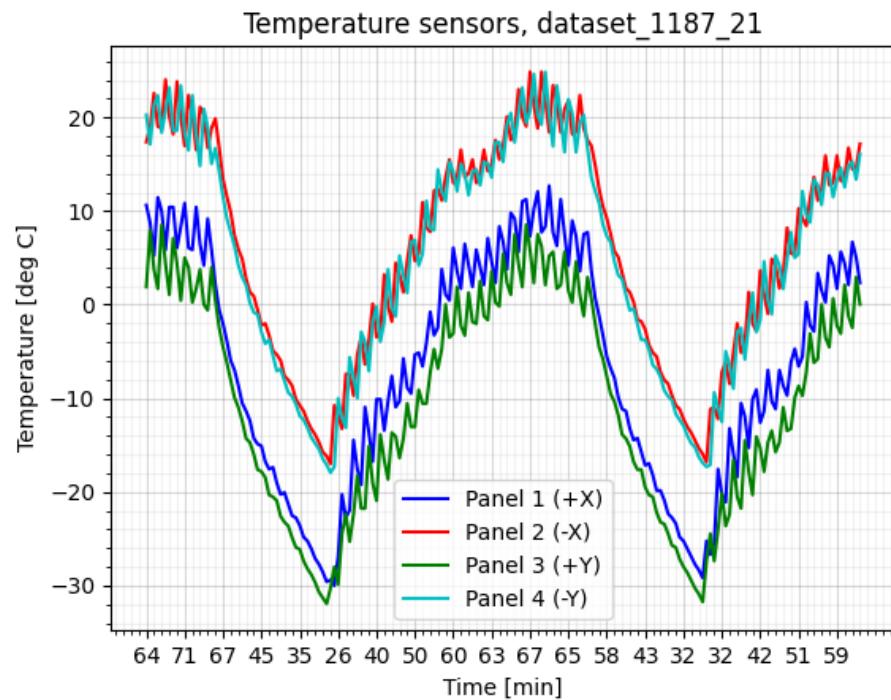
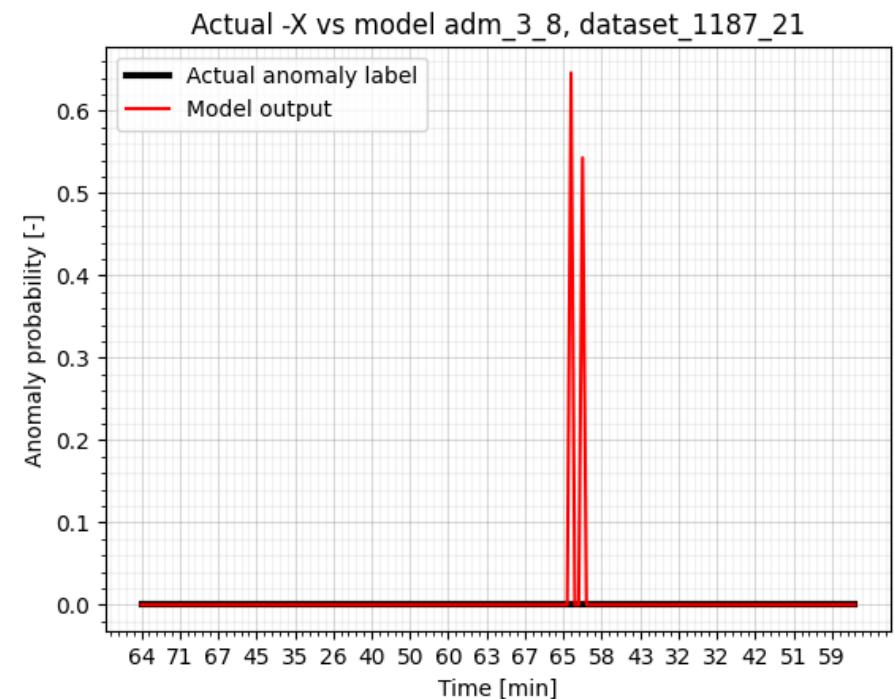
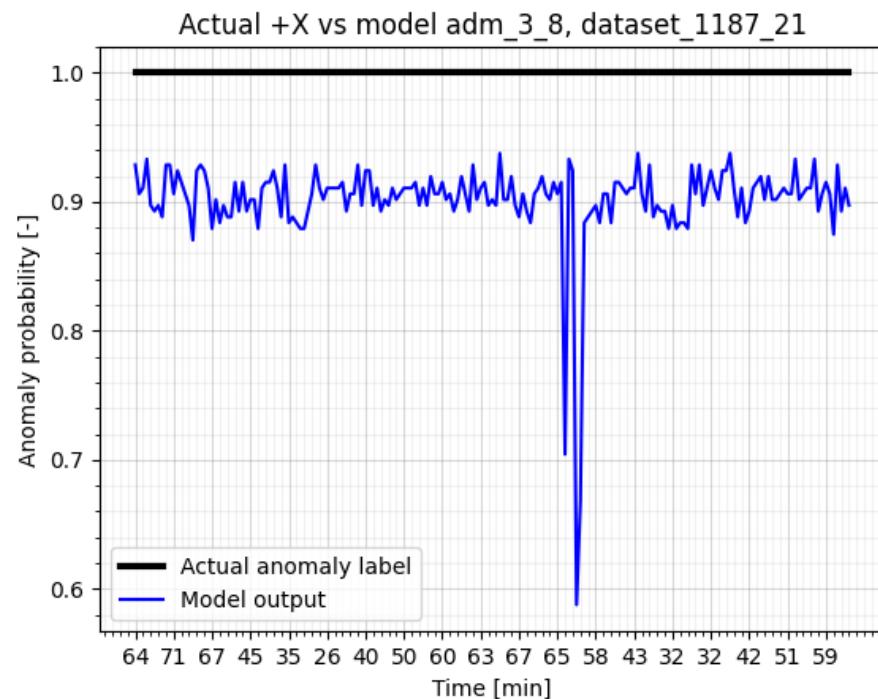


Figure 21: model inferences on dataset_1187_20_mod1.png





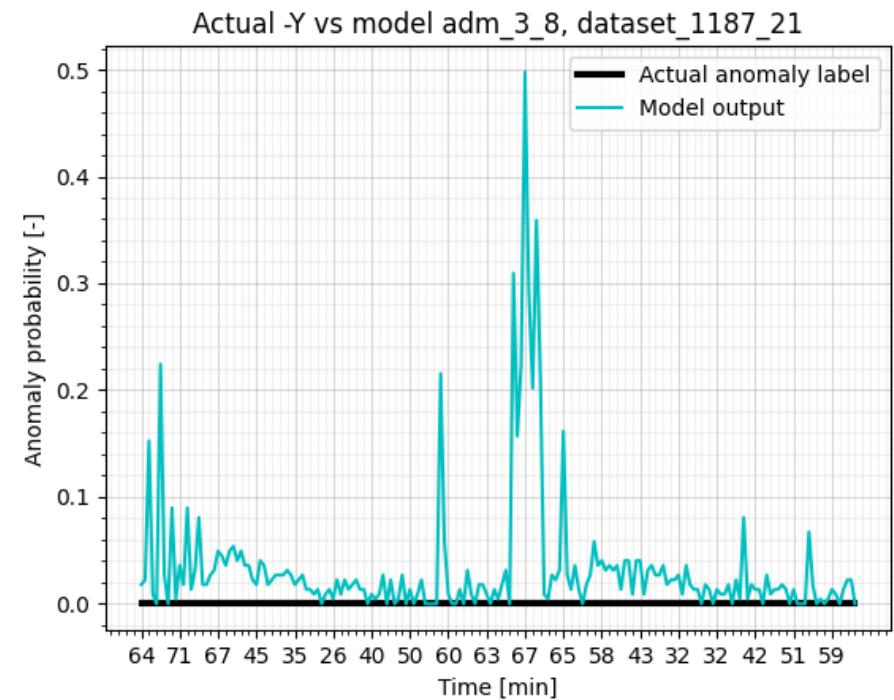
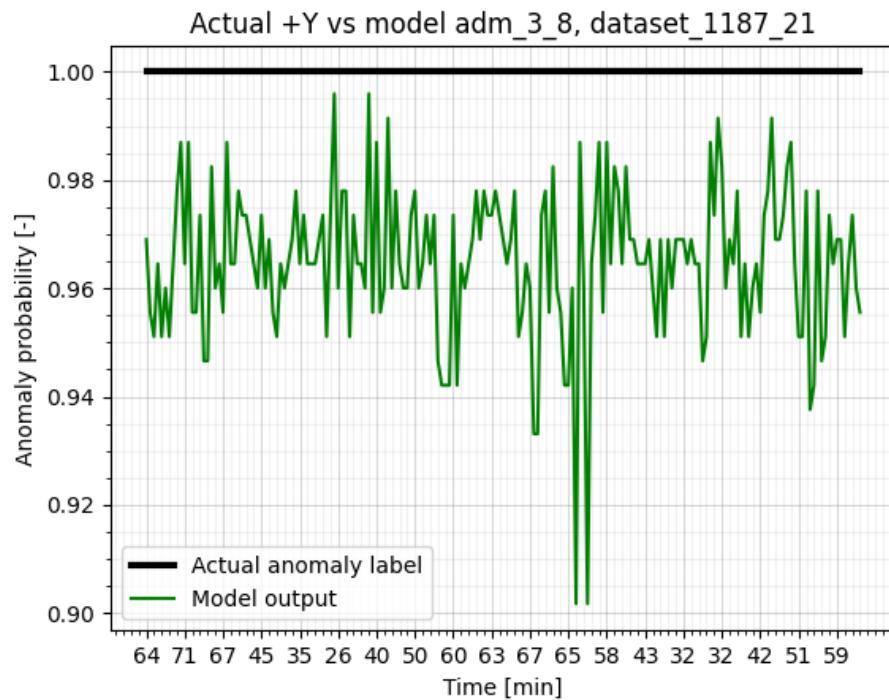
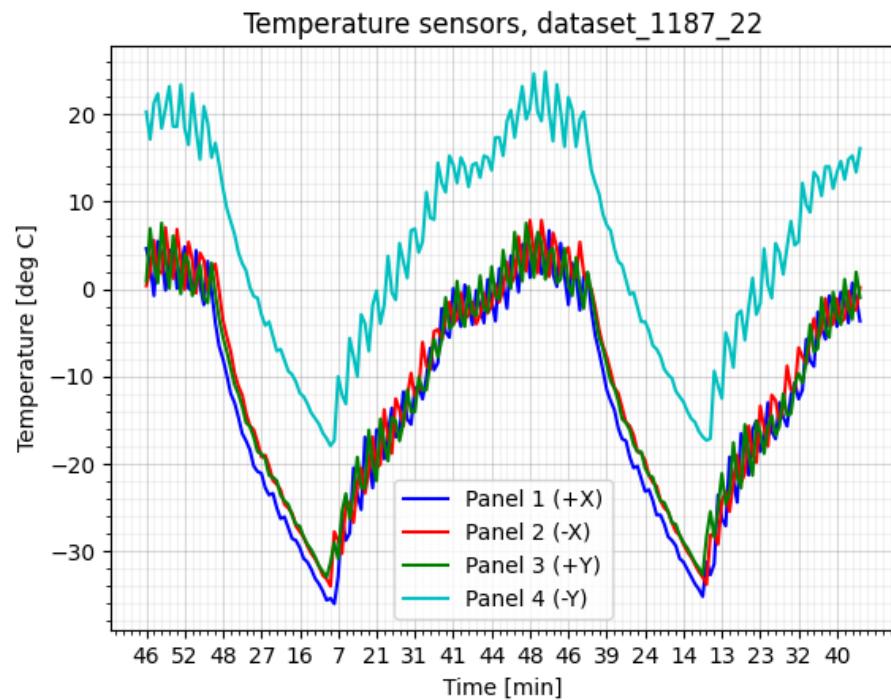
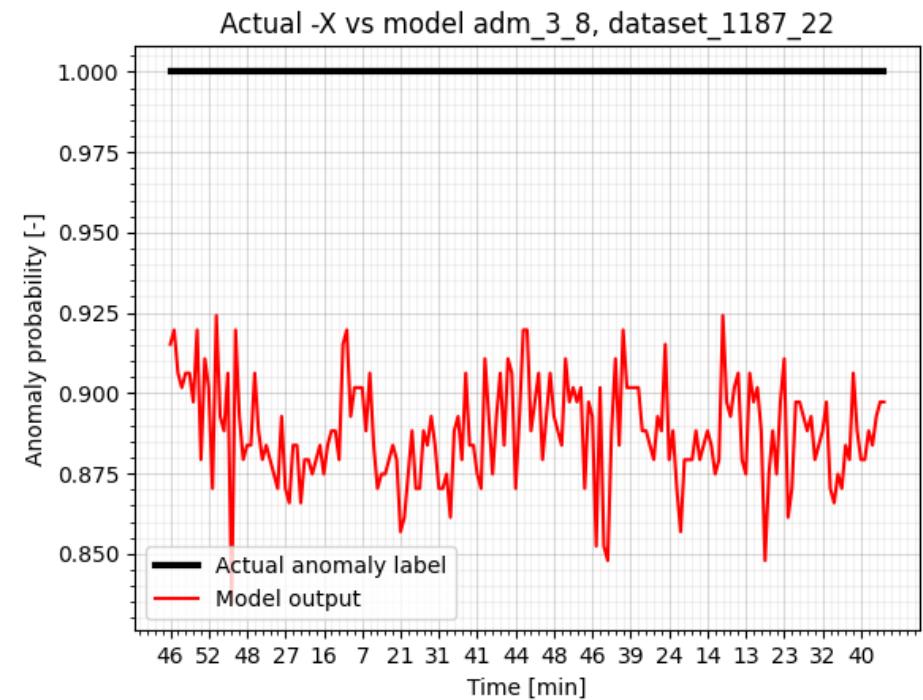
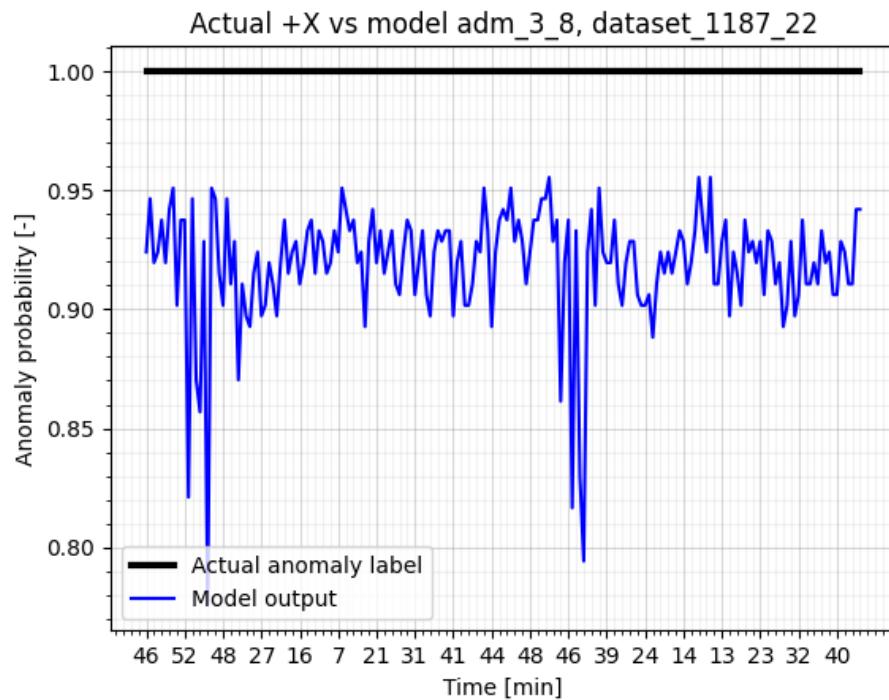


Figure 22: model inferences on dataset_1187_21_mod1.png





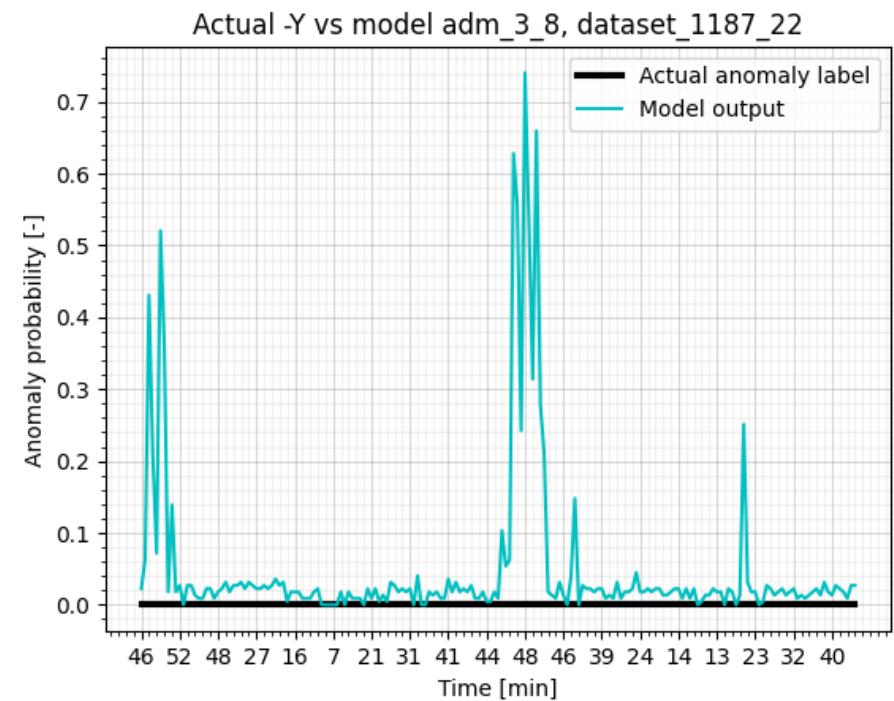
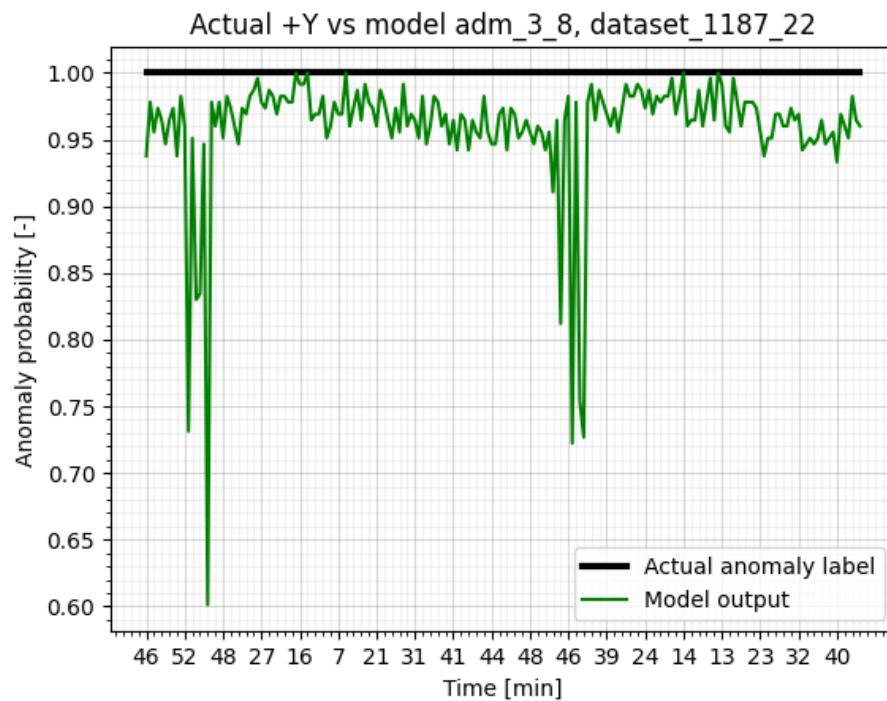
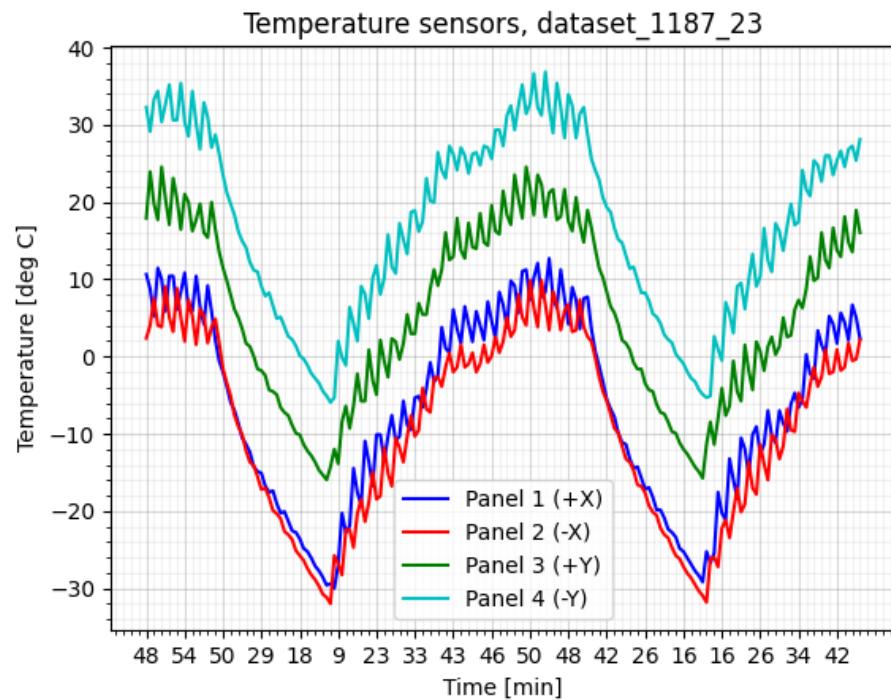
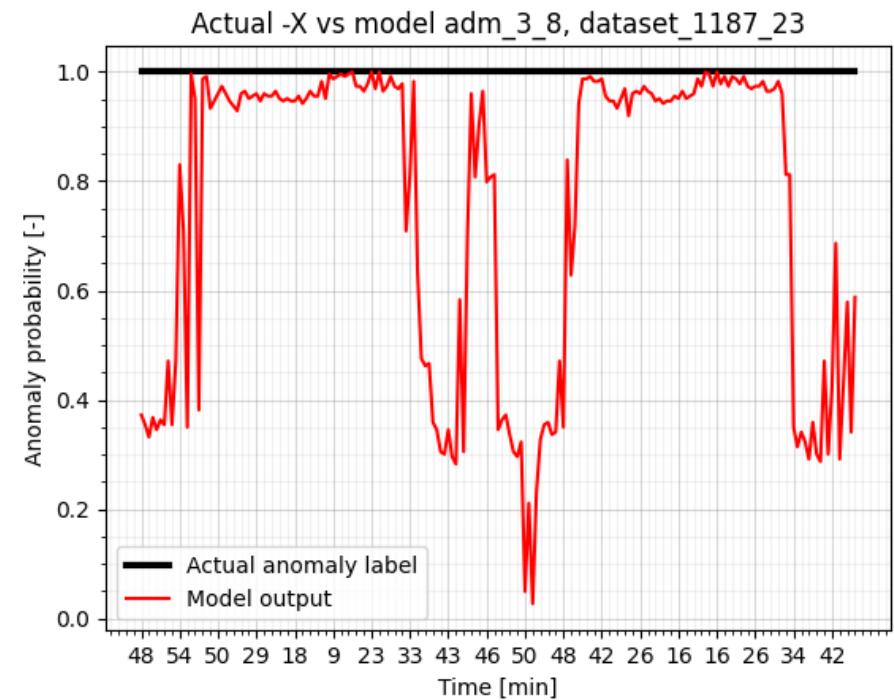
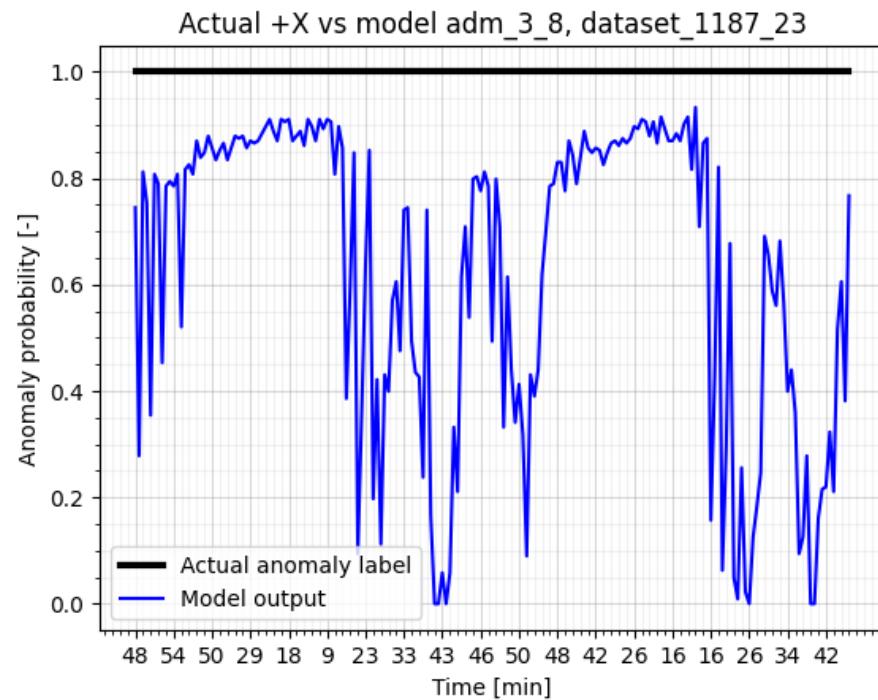


Figure 23: model inferences on dataset_1187_22_mod1.png





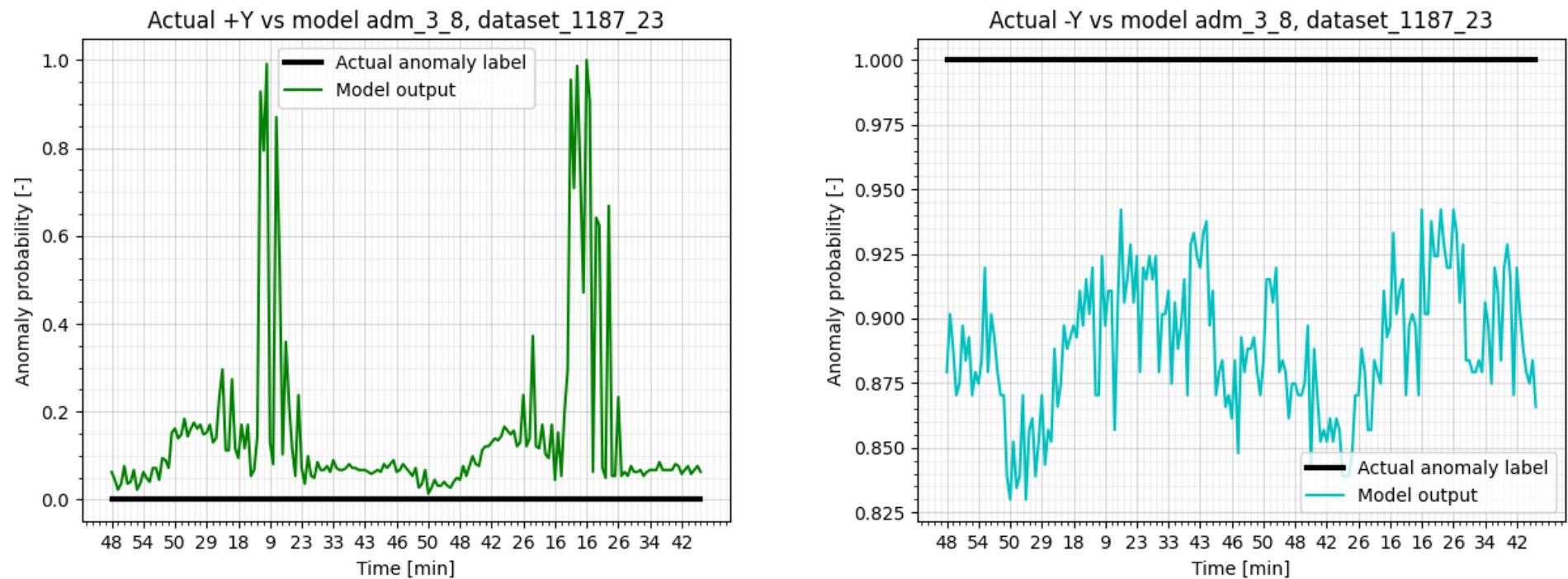
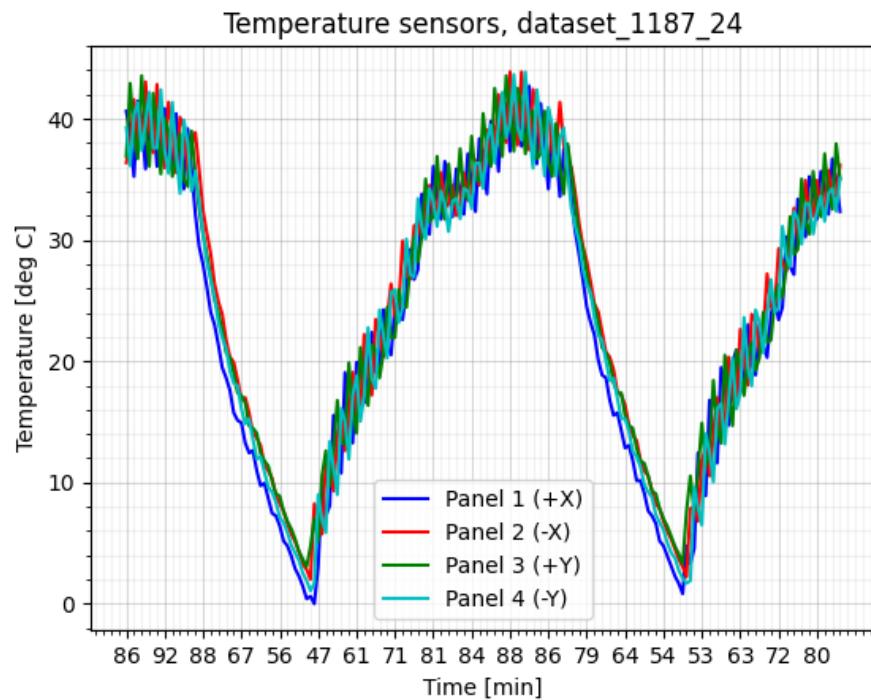
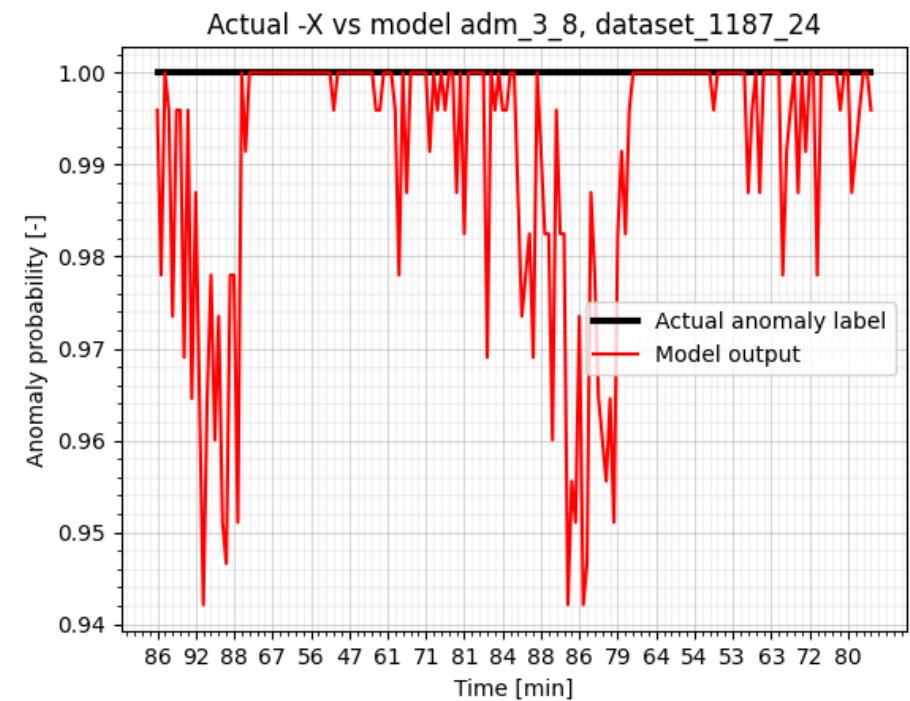
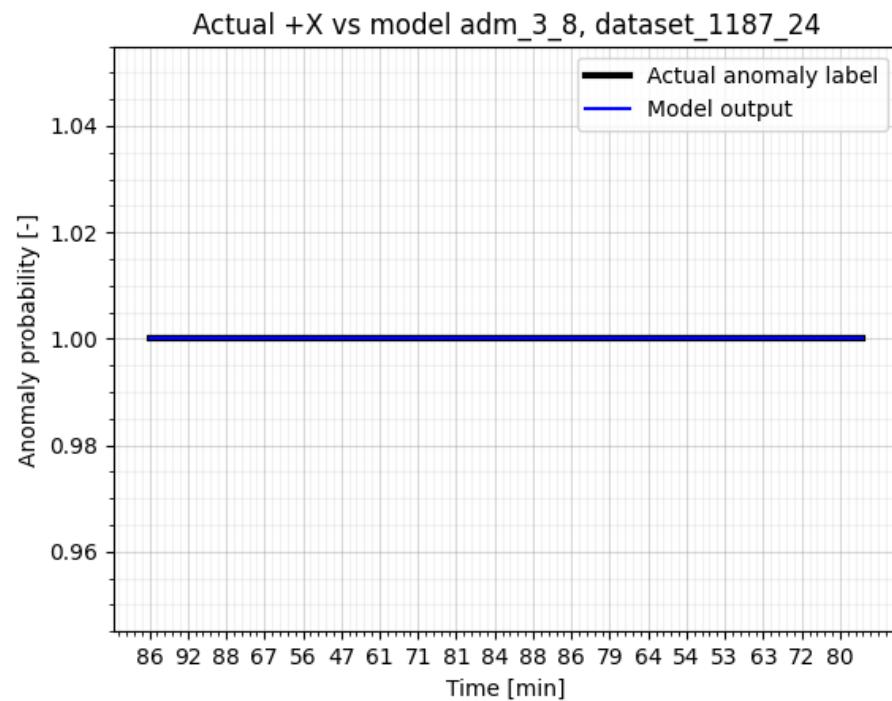


Figure 24: model inferences on dataset_1187_23_mod1.png





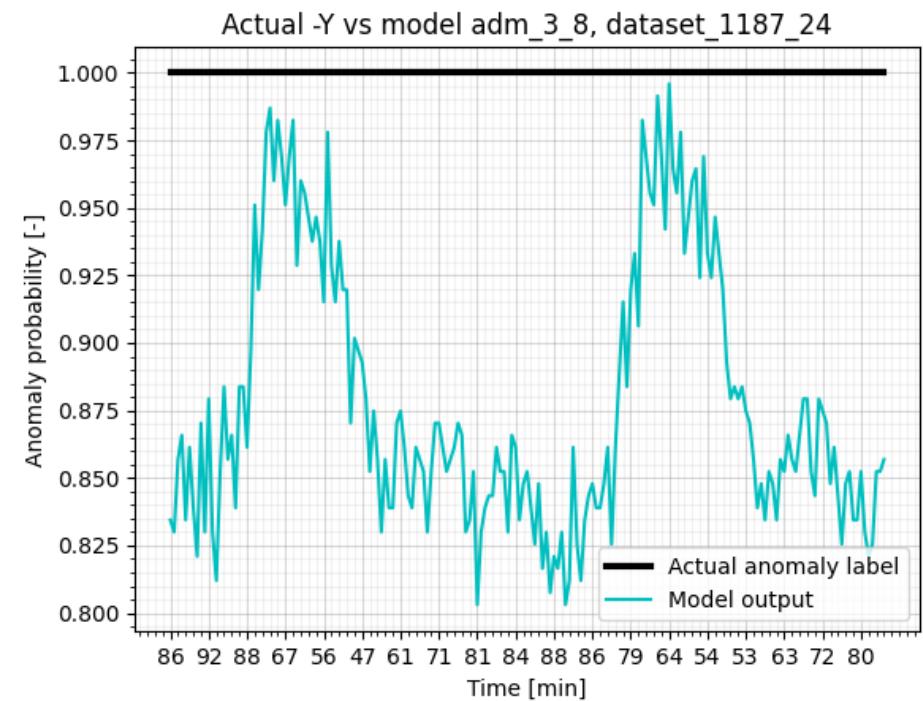
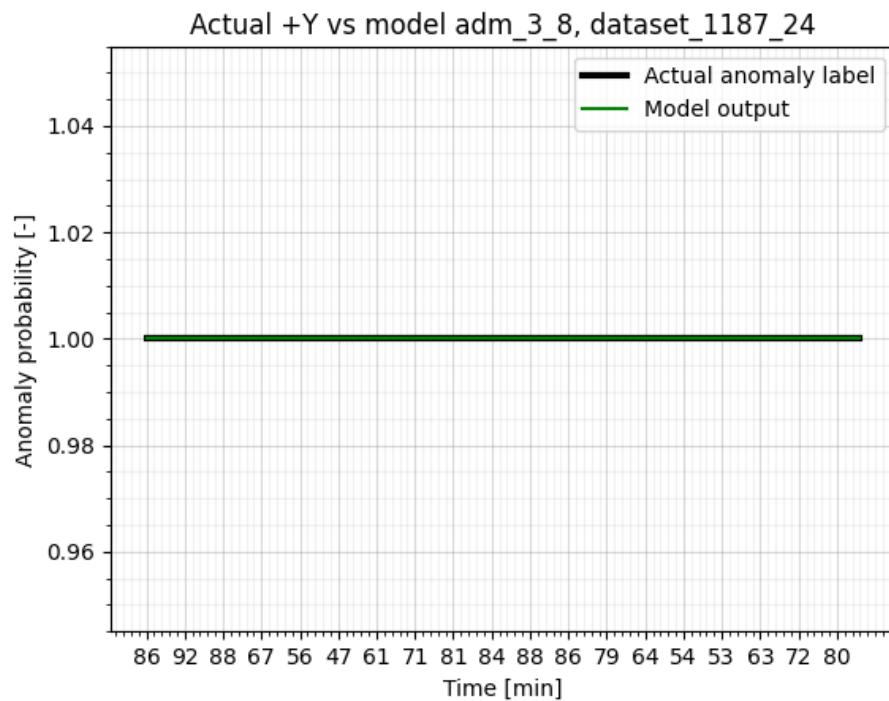
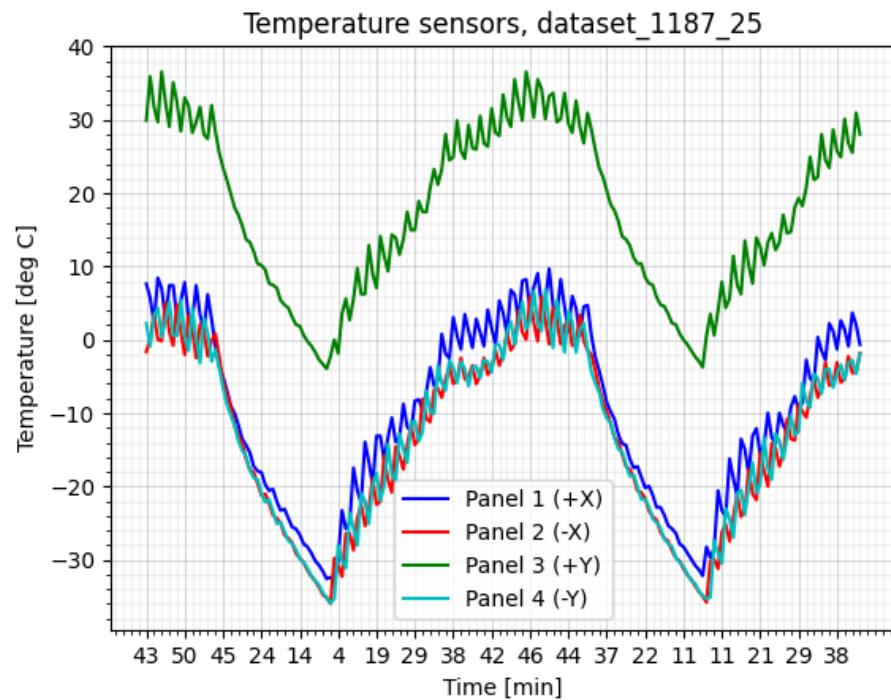
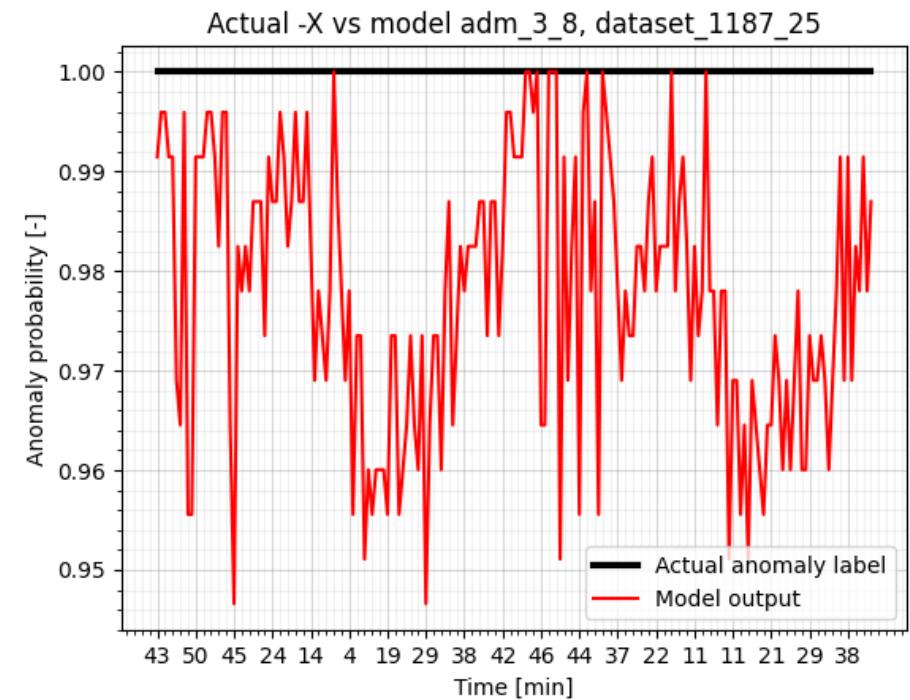
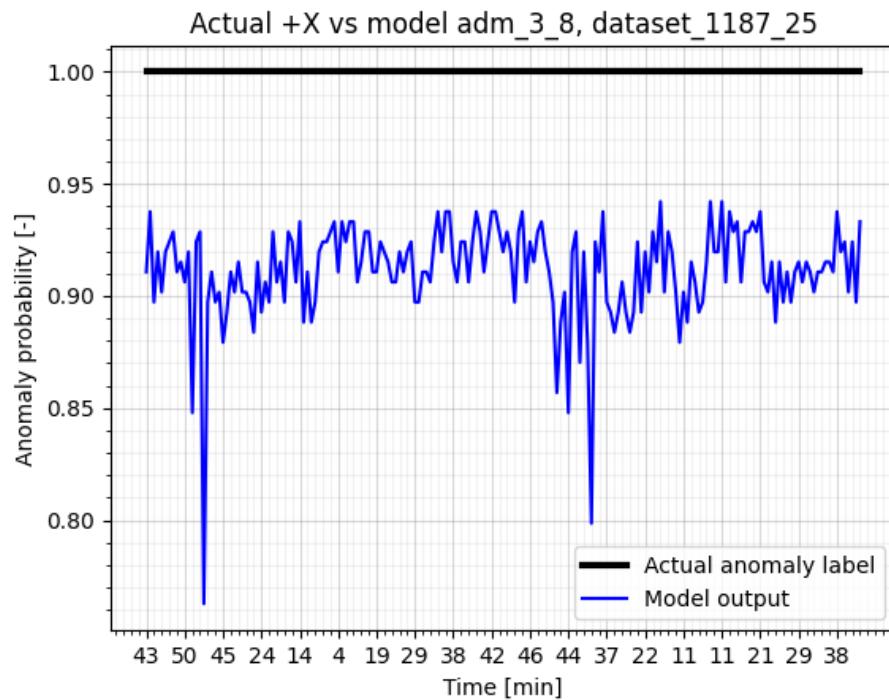


Figure 25: model inferences on dataset_1187_24_mod1.png





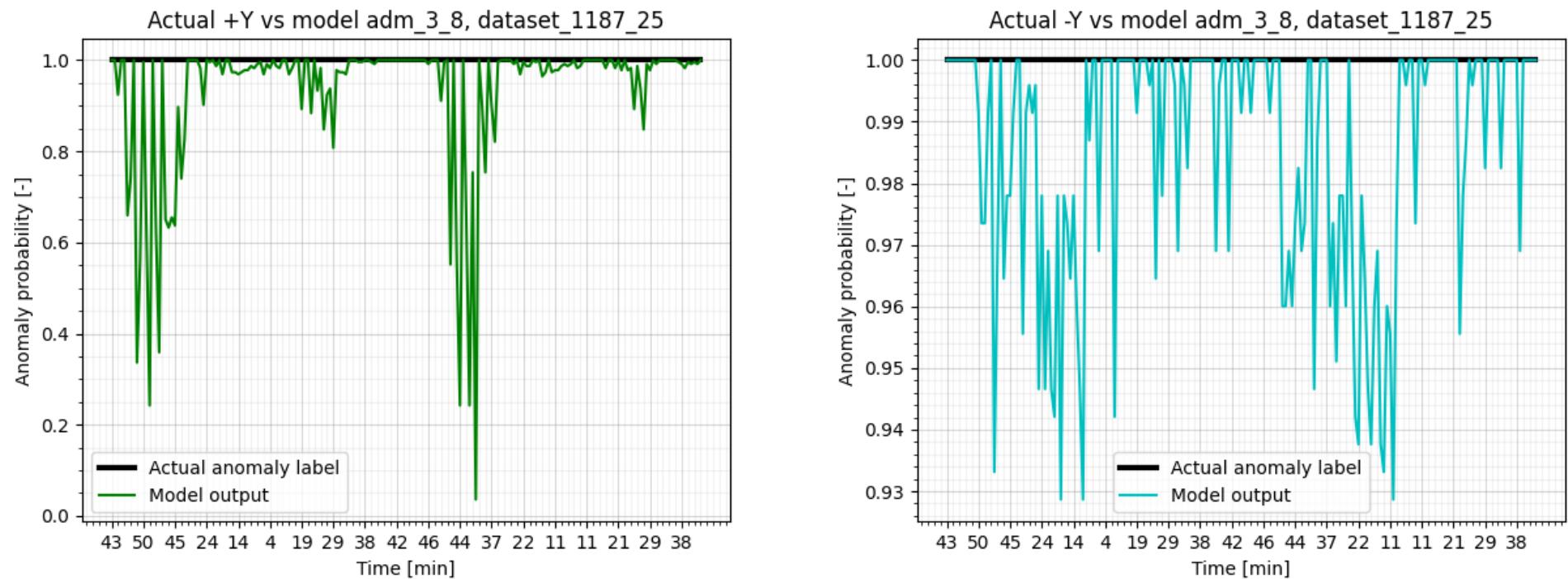
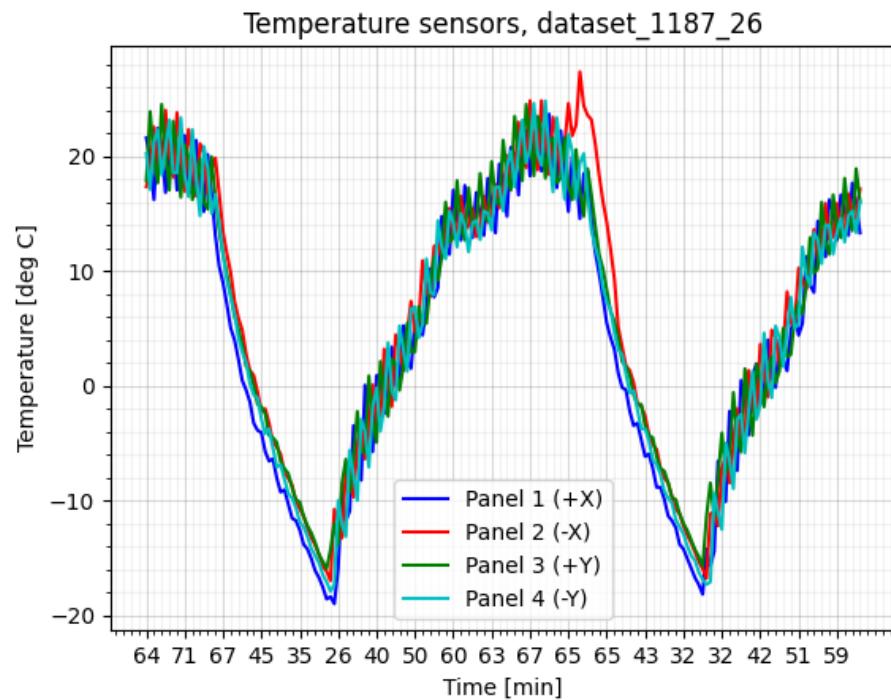
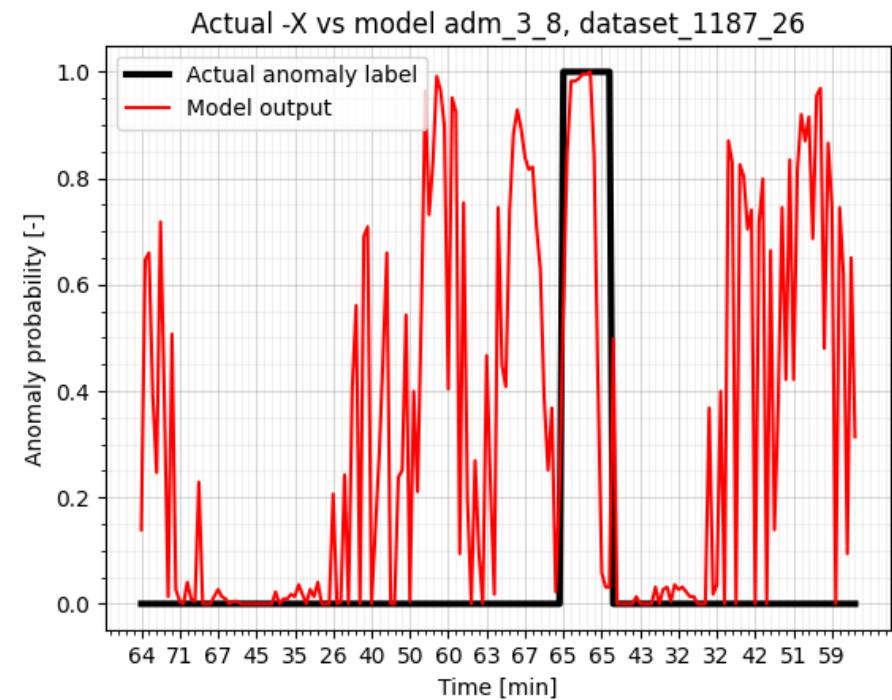
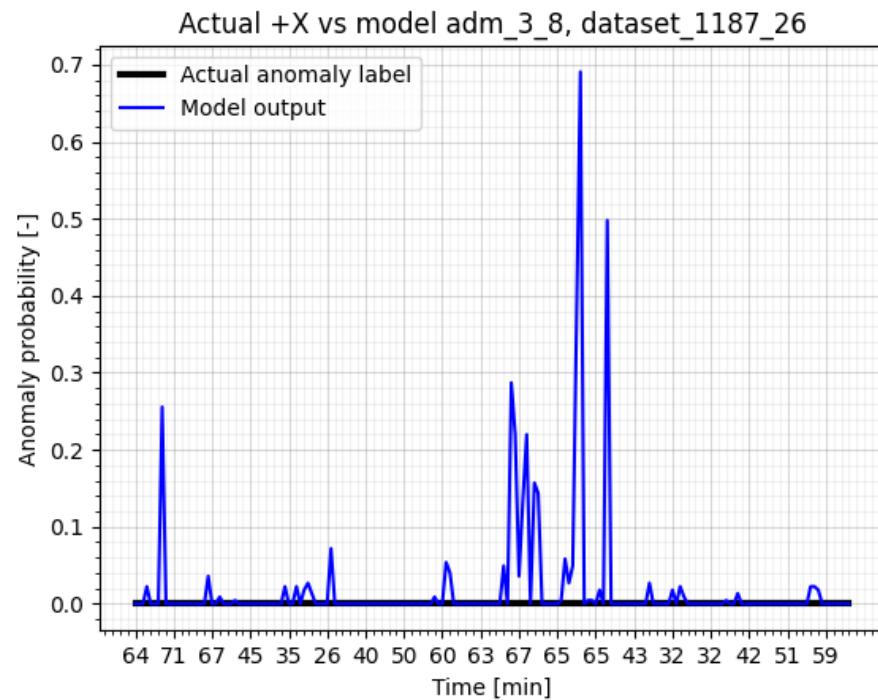


Figure 26: model inferences on dataset_1187_25_mod1.png





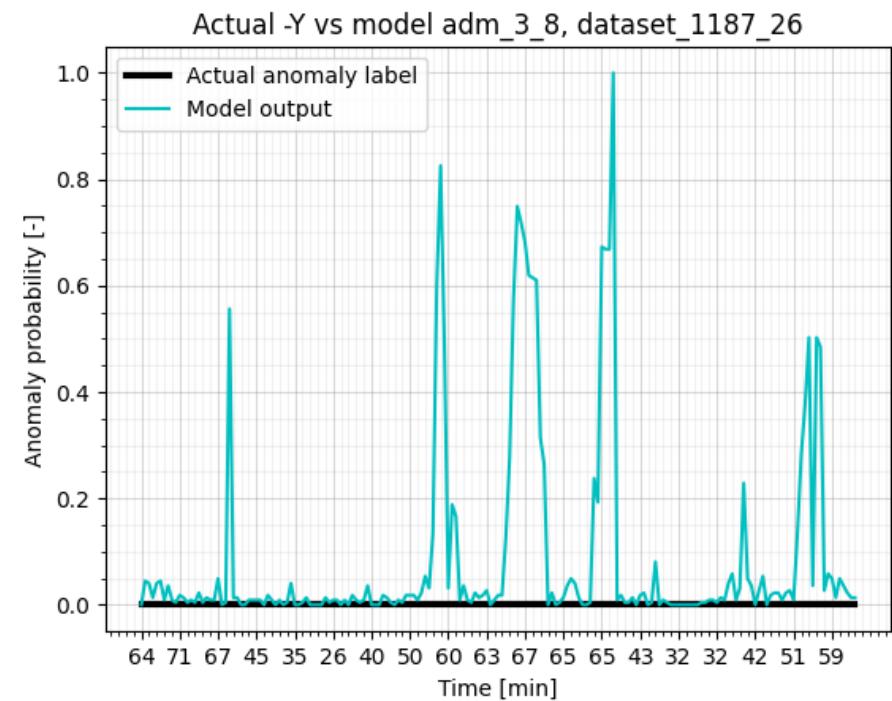
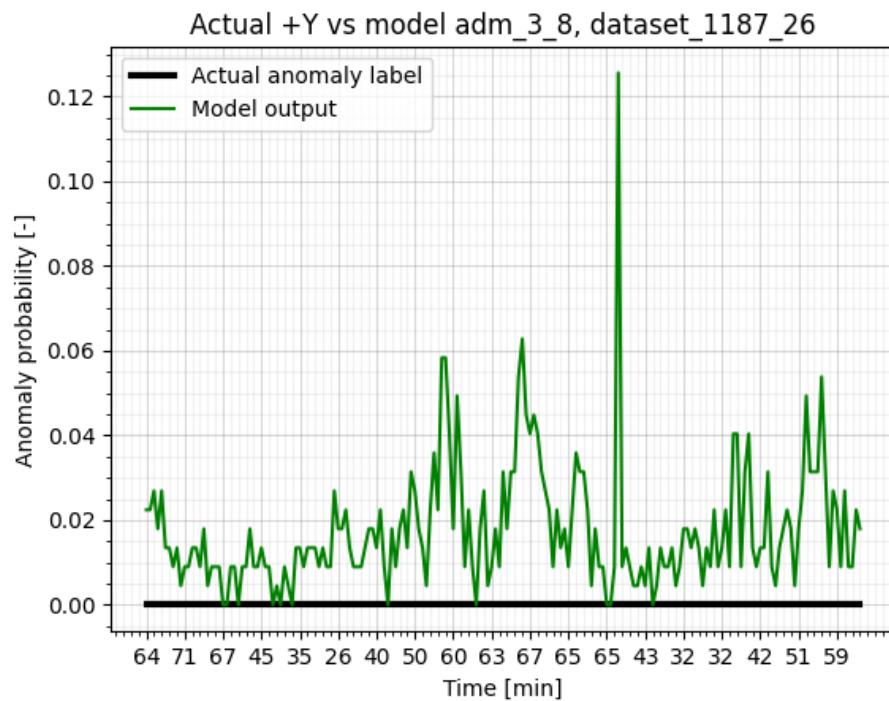
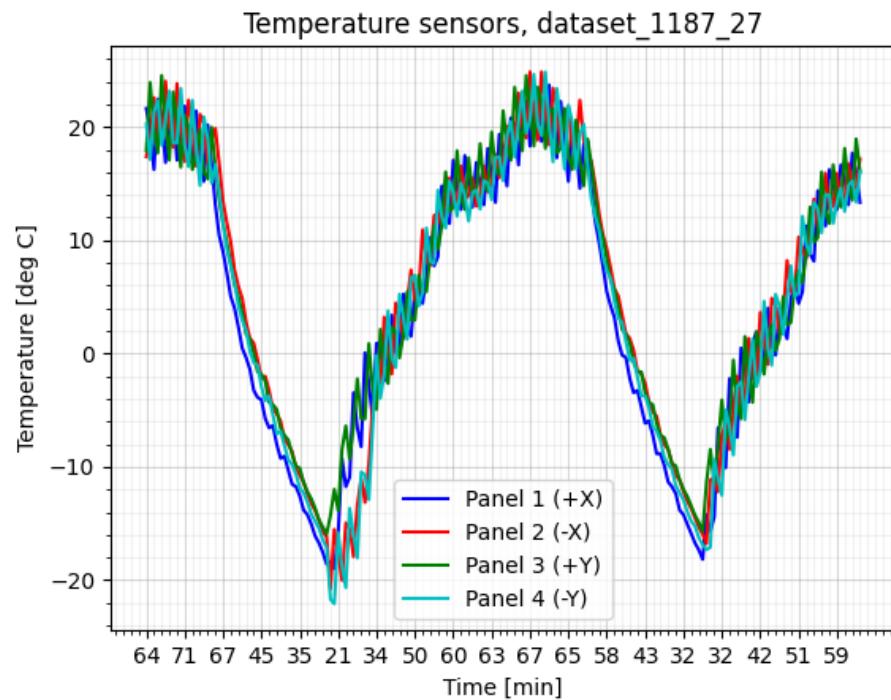
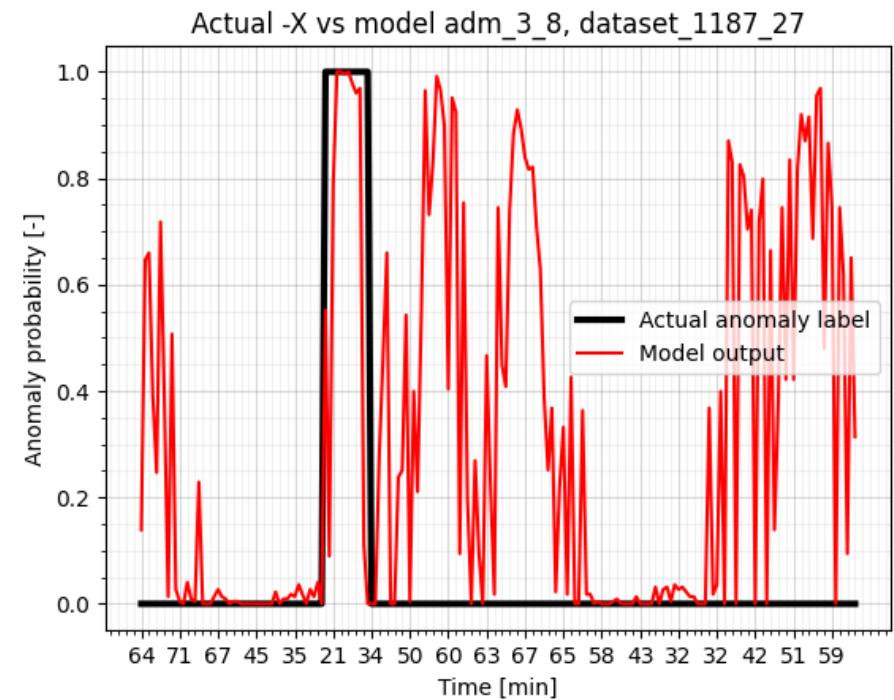
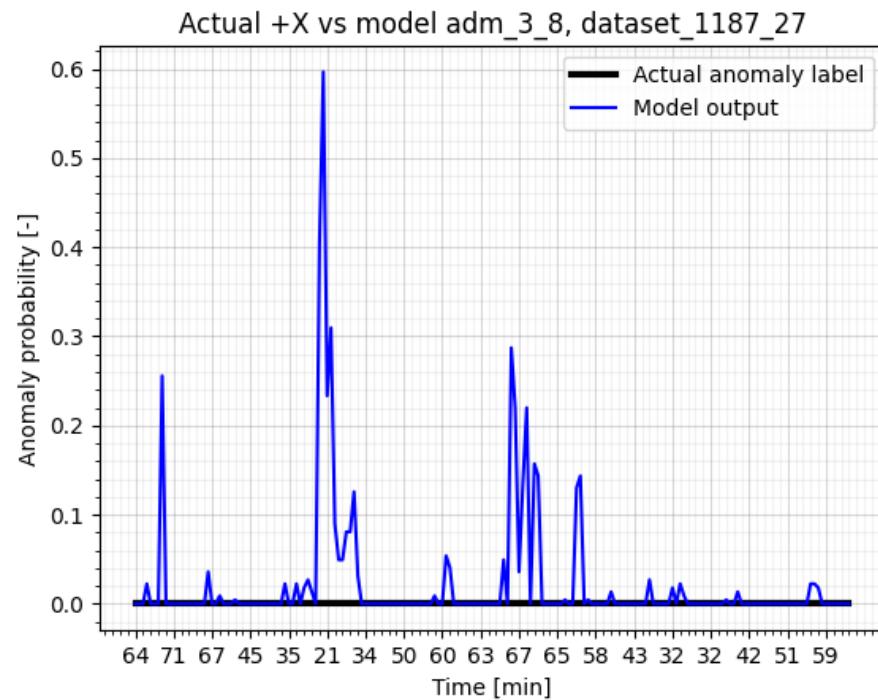


Figure 27: model inferences on dataset_1187_26_mod1.png





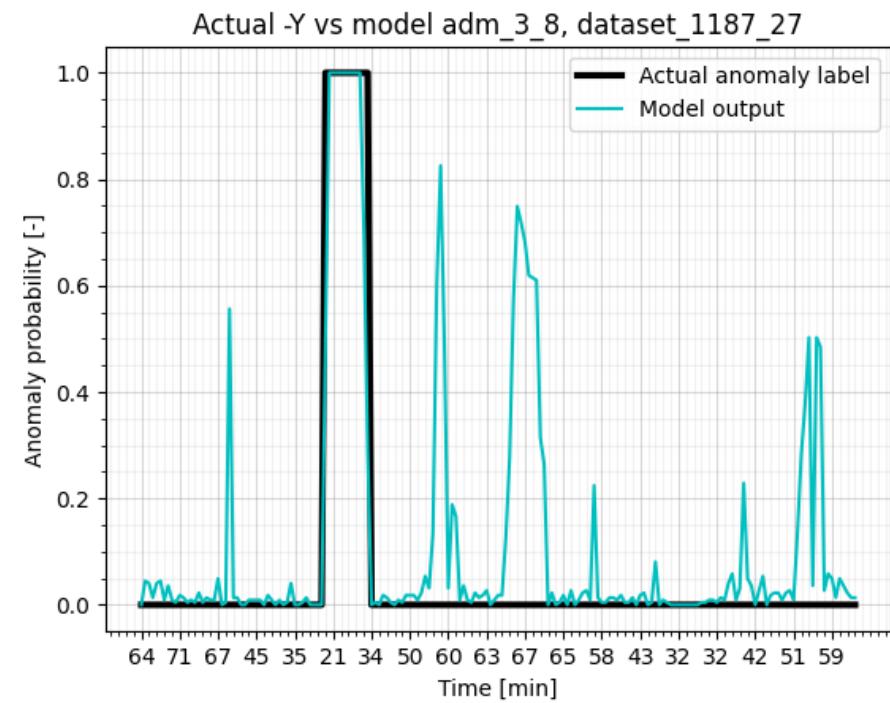
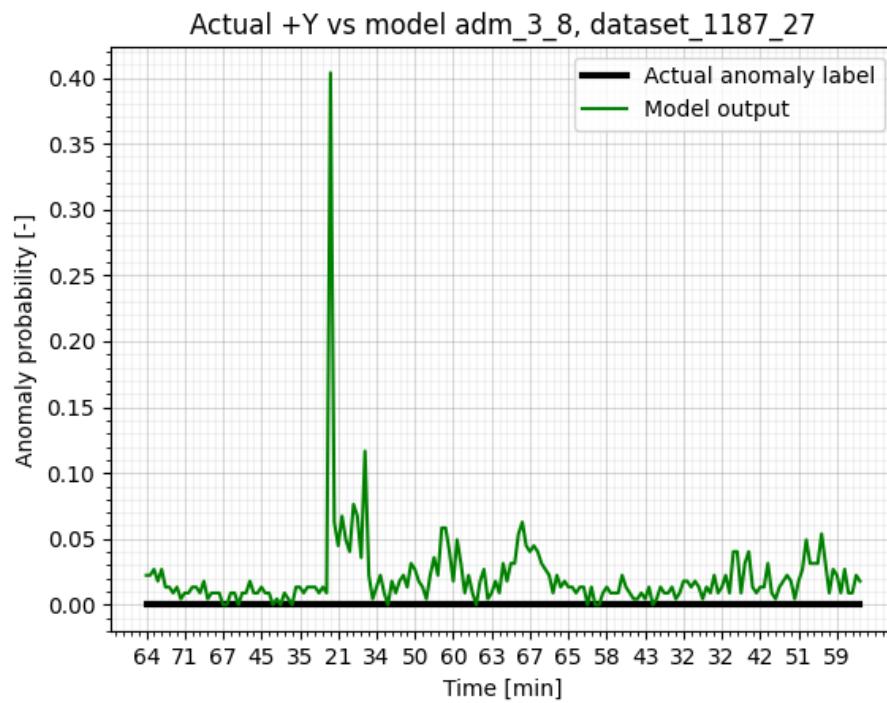
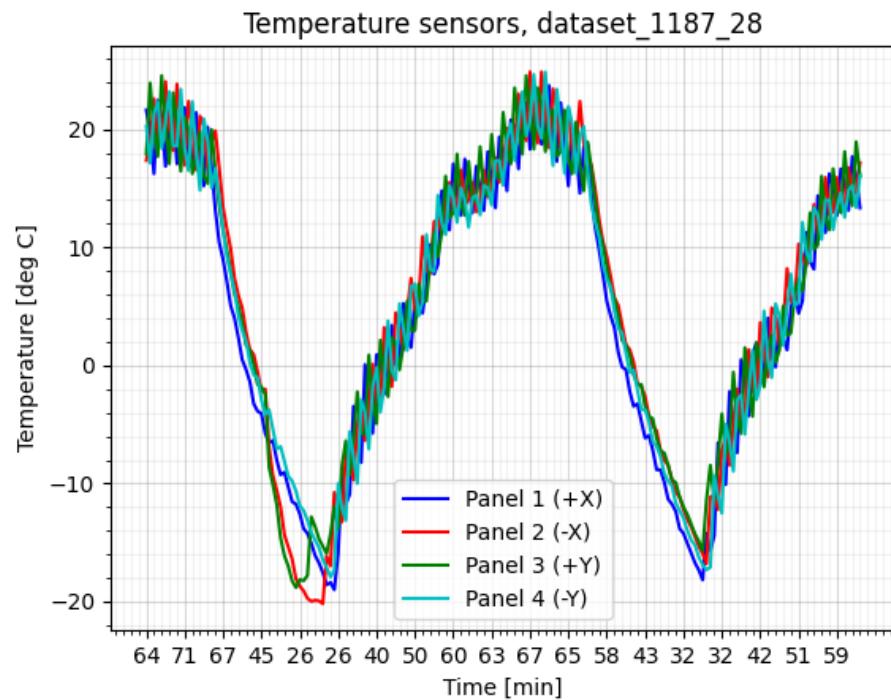
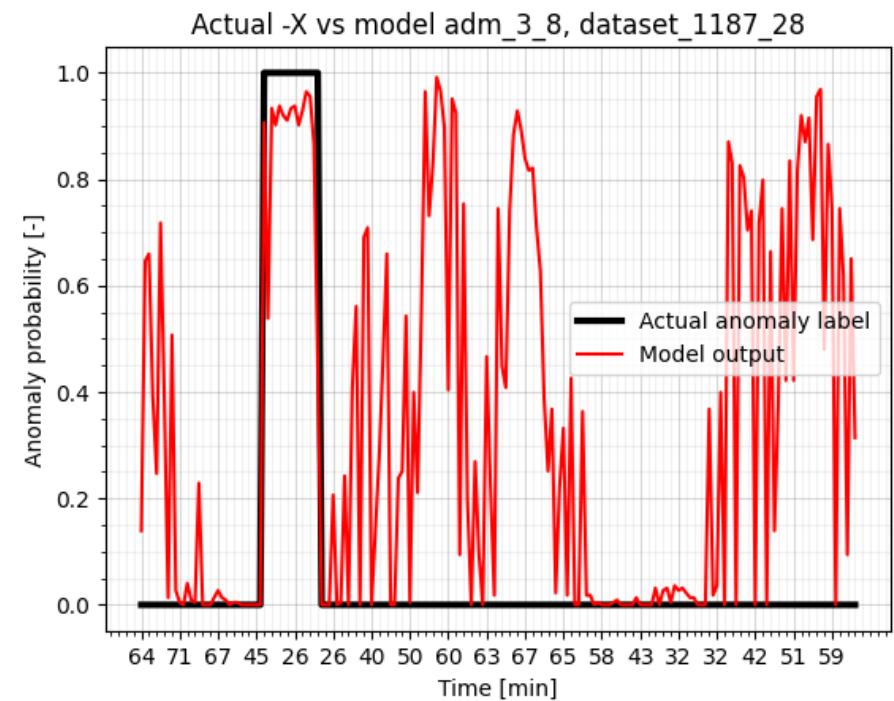
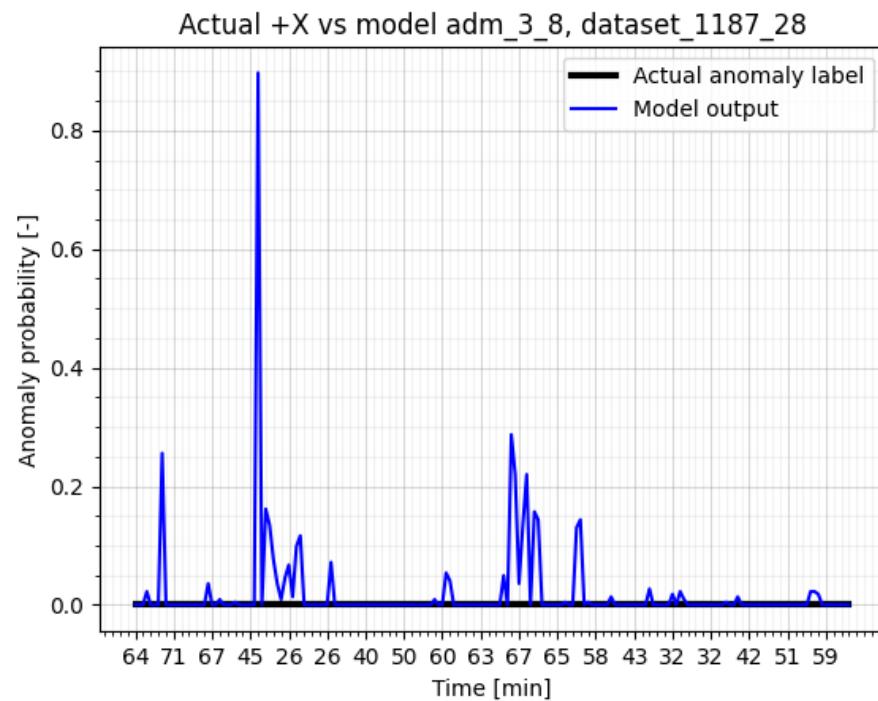


Figure 28: model inferences on dataset_1187_27_mod1.png





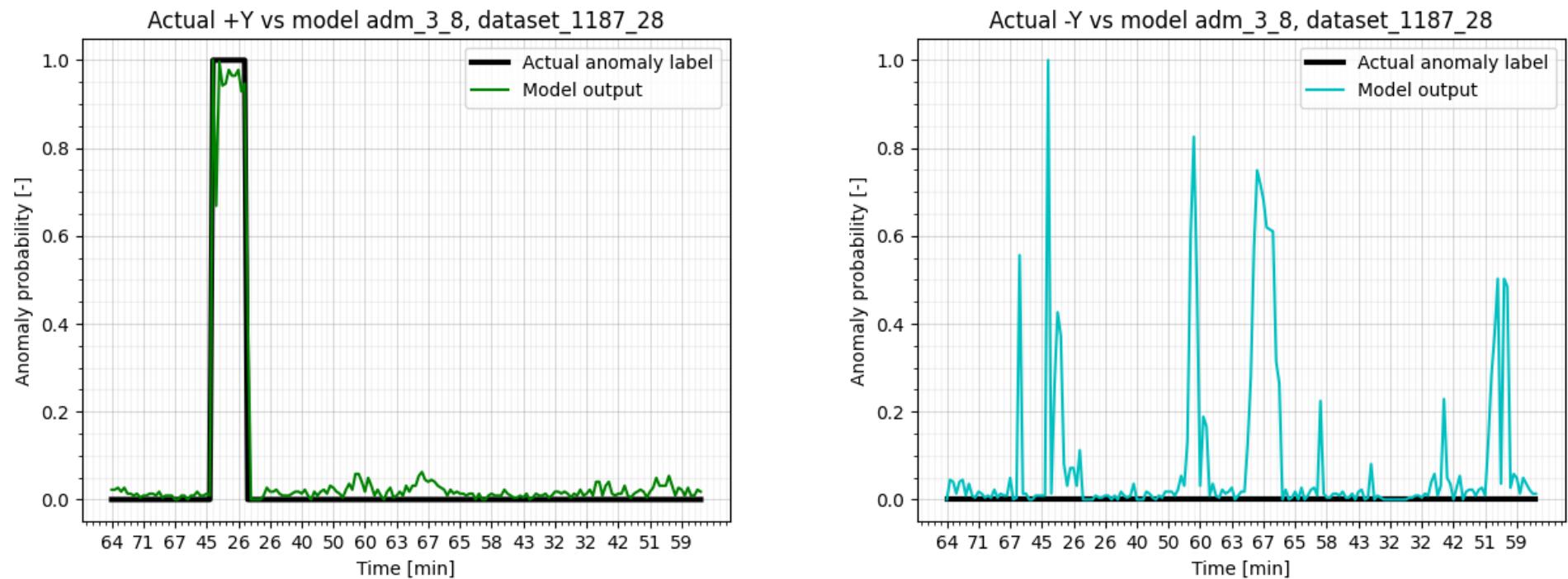
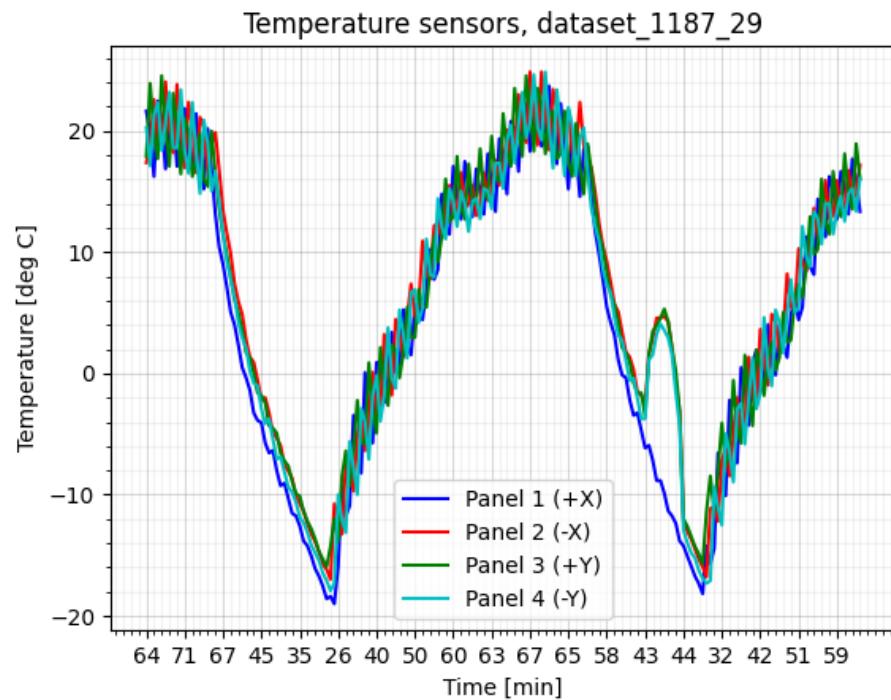
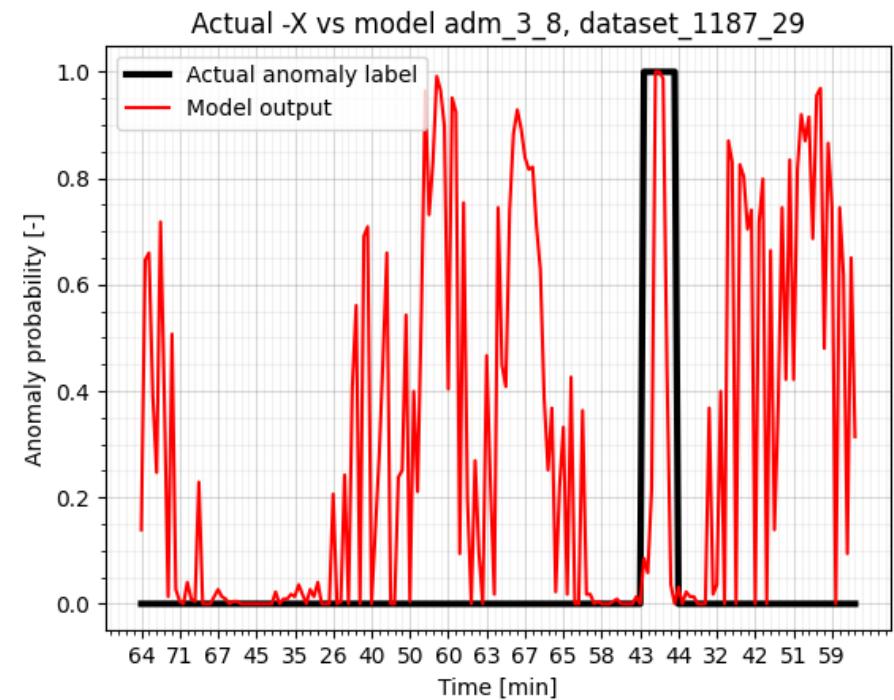
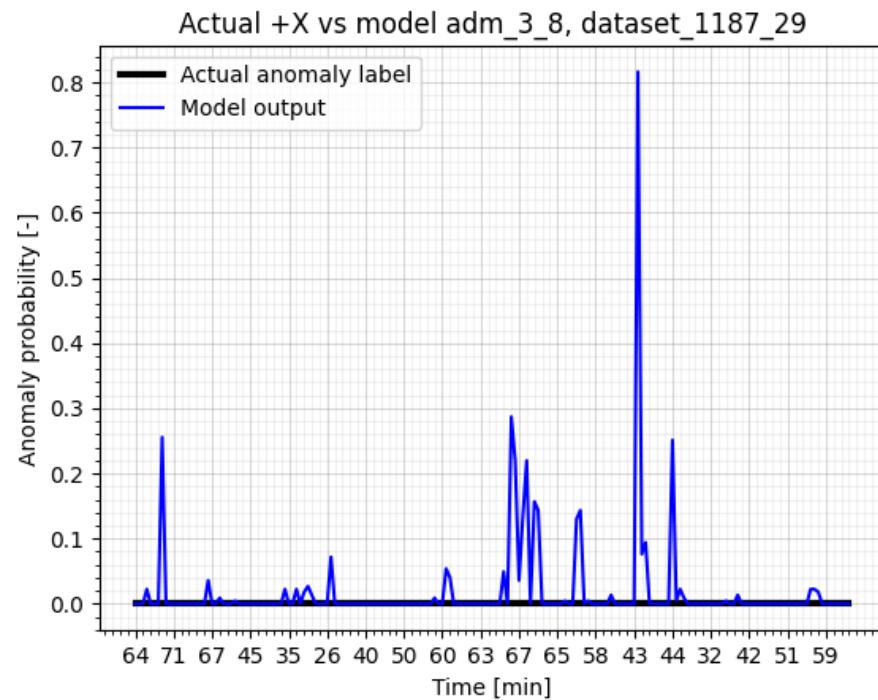


Figure 29: model inferences on dataset_1187_28_mod1.png





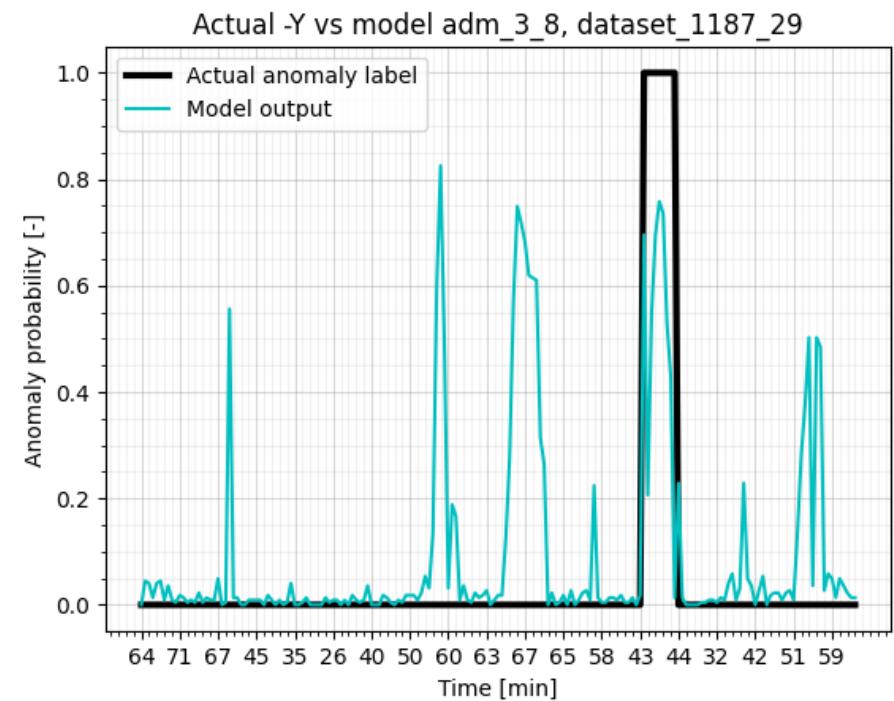
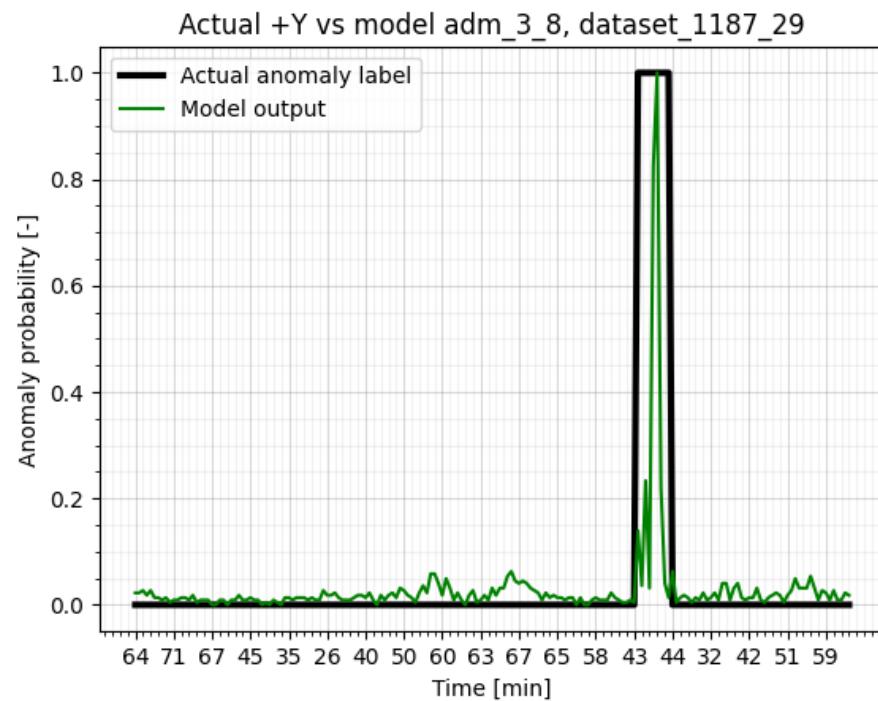
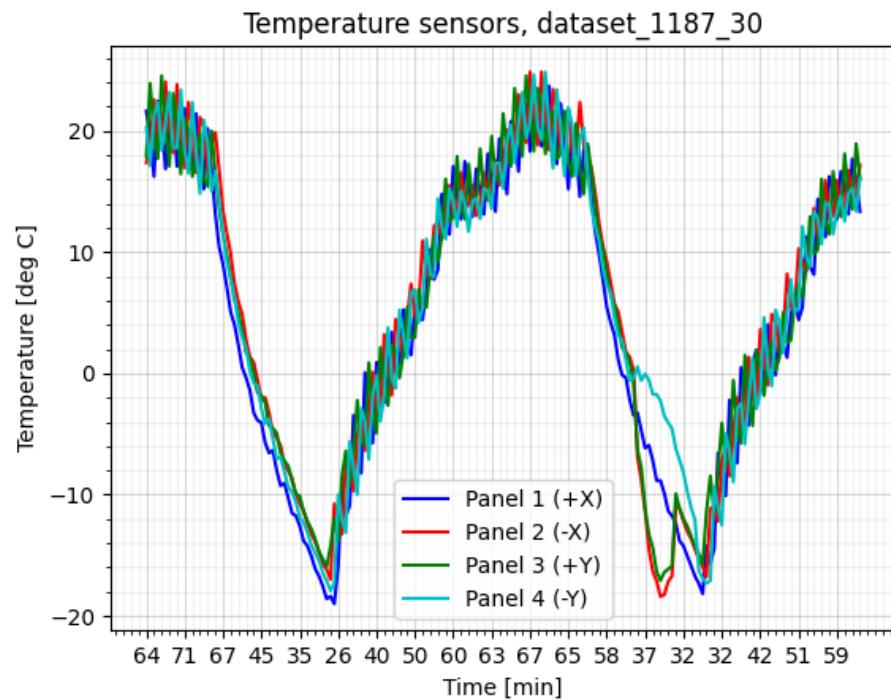
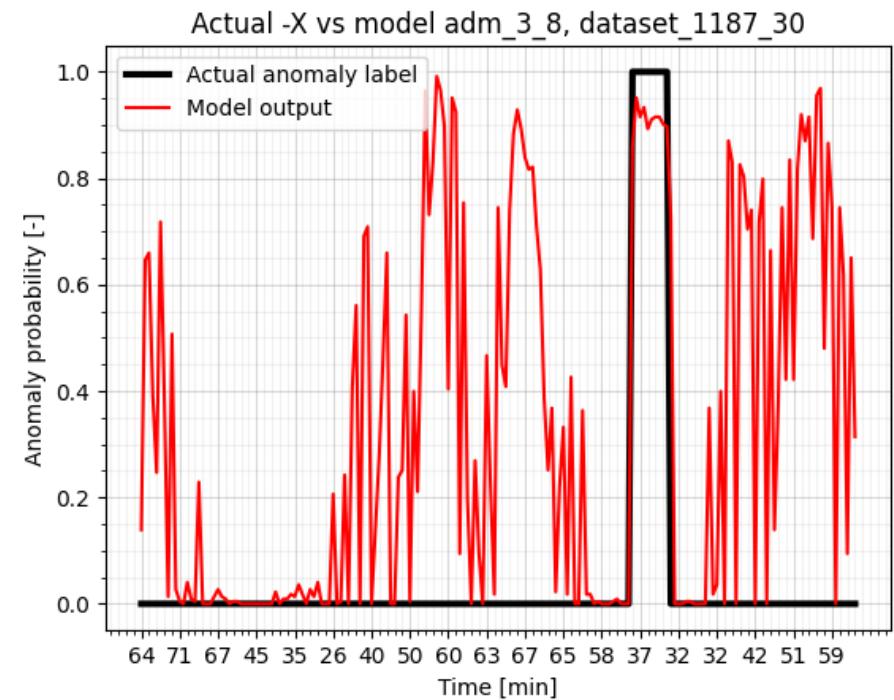
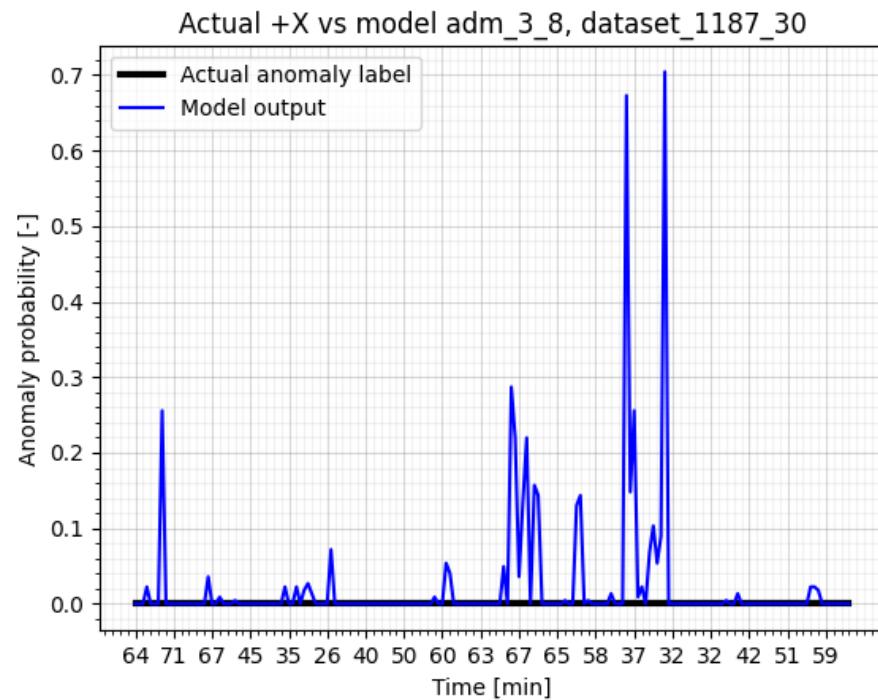


Figure 30: model inferences on dataset_1187_29_mod1.png





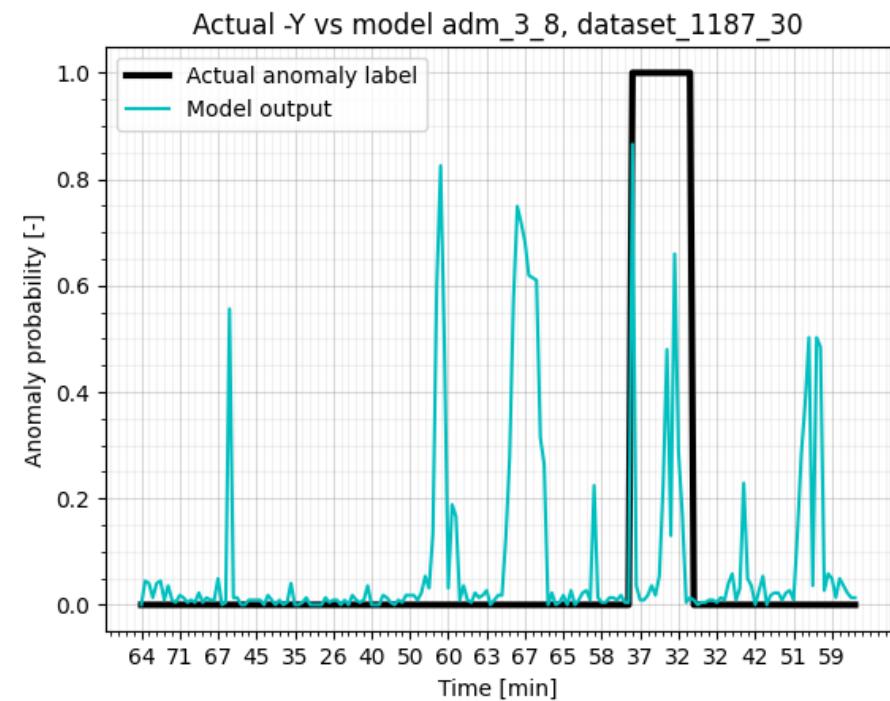
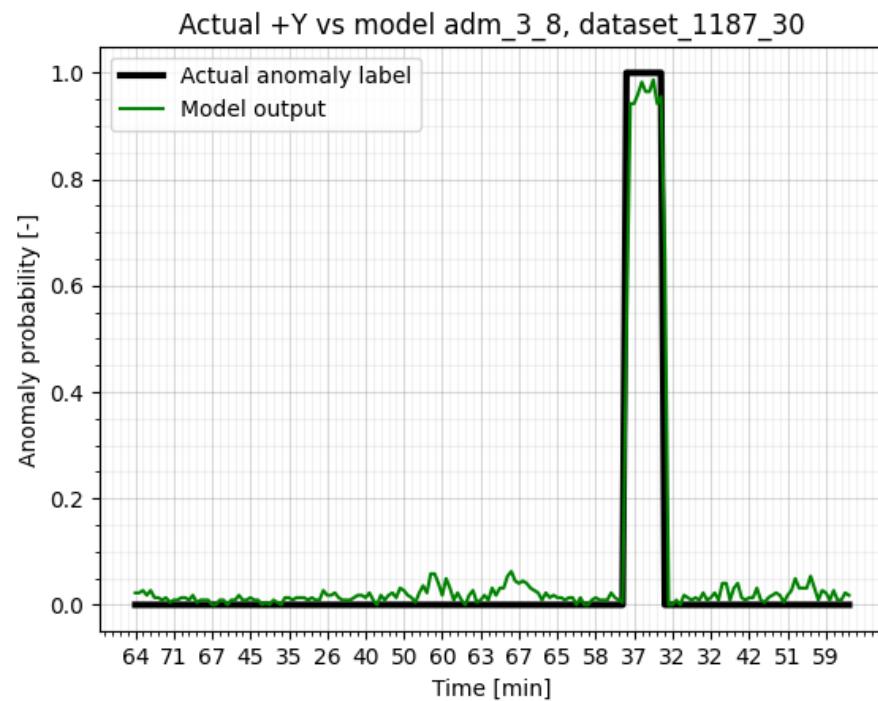
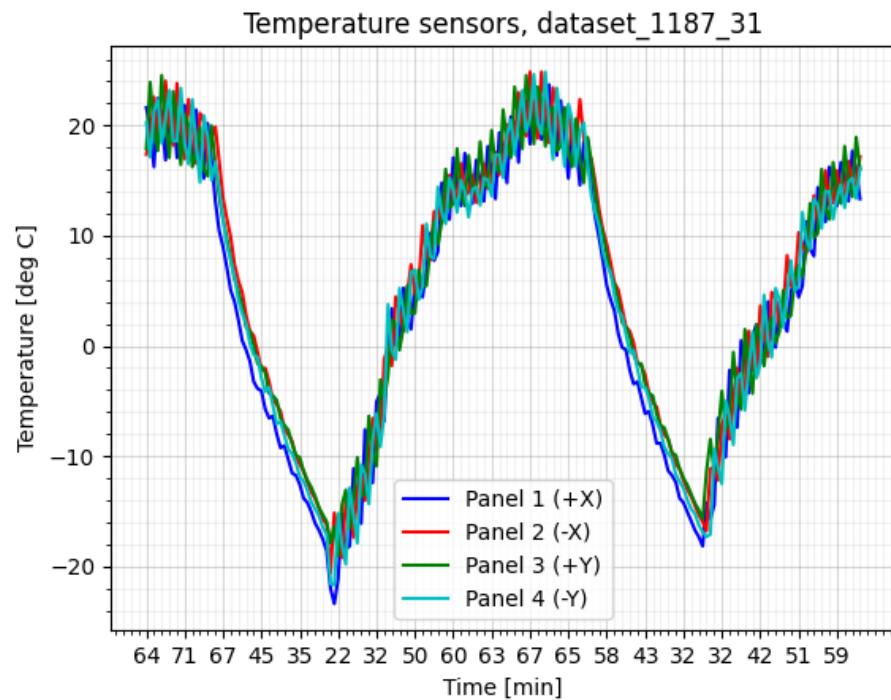
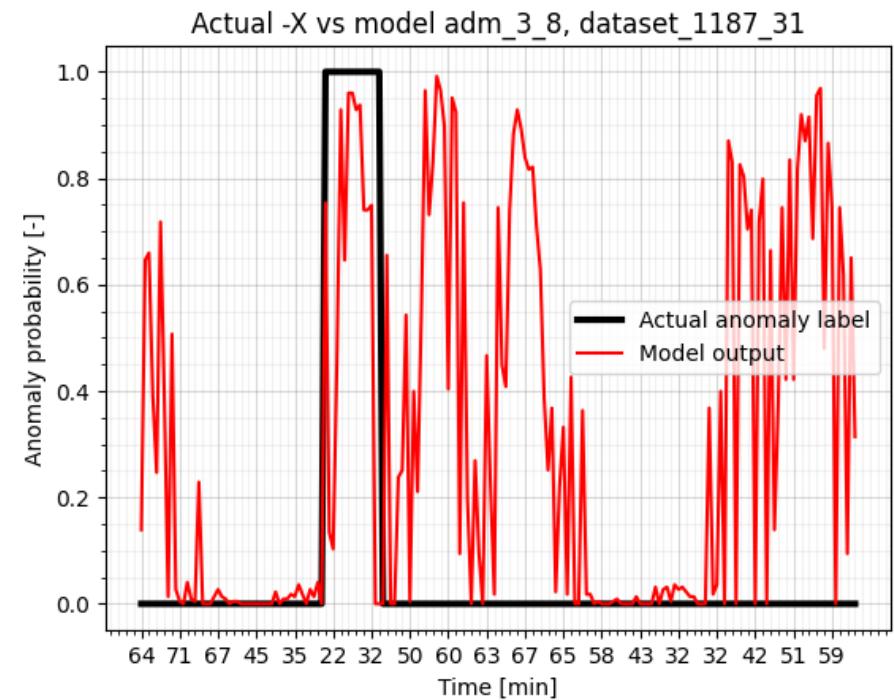
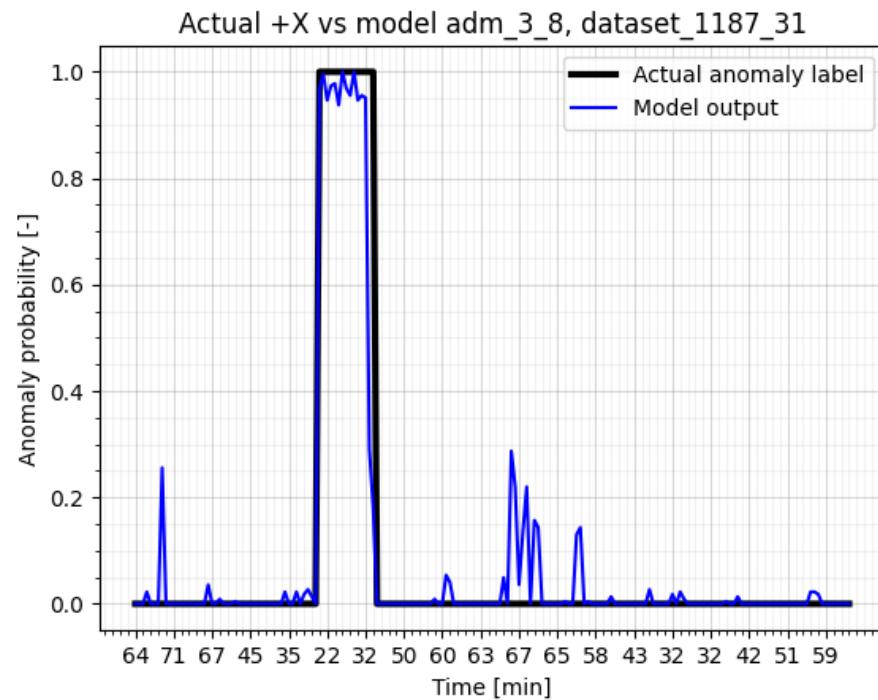


Figure 31: model inferences on dataset_1187_30_mod1.png





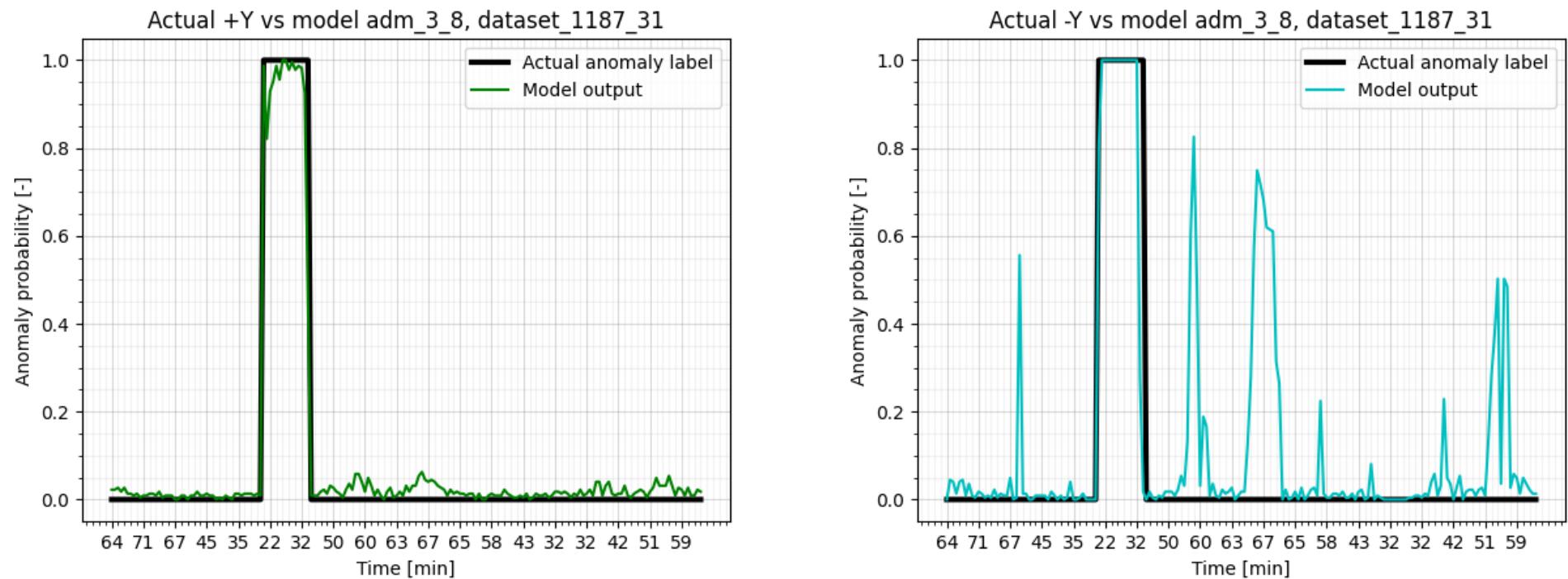
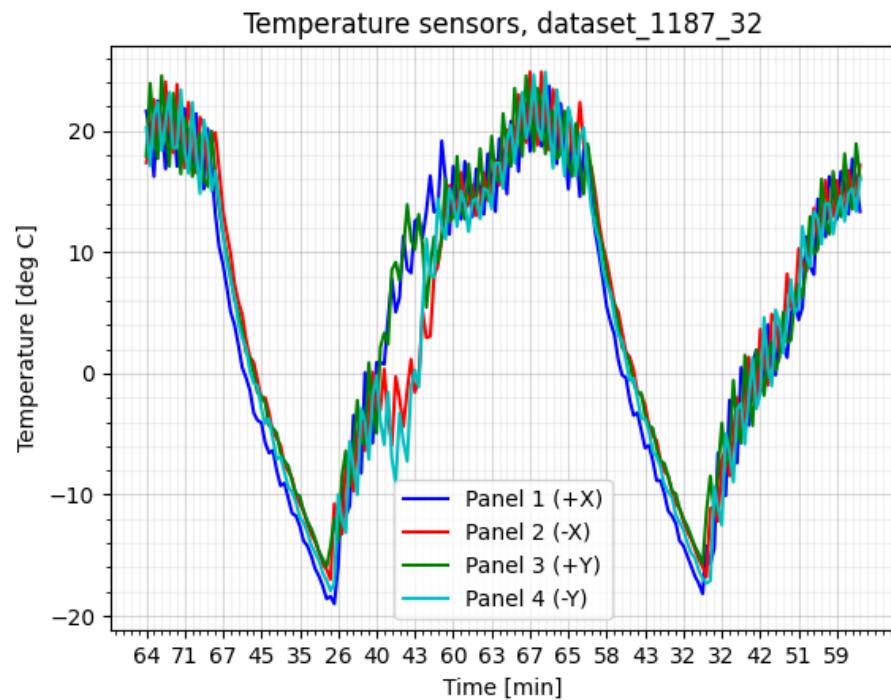
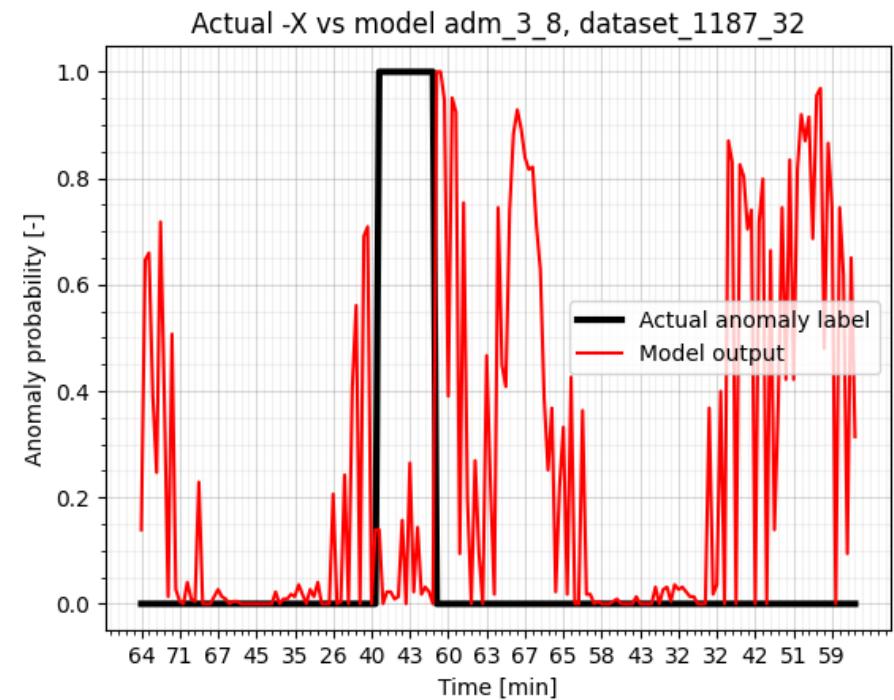
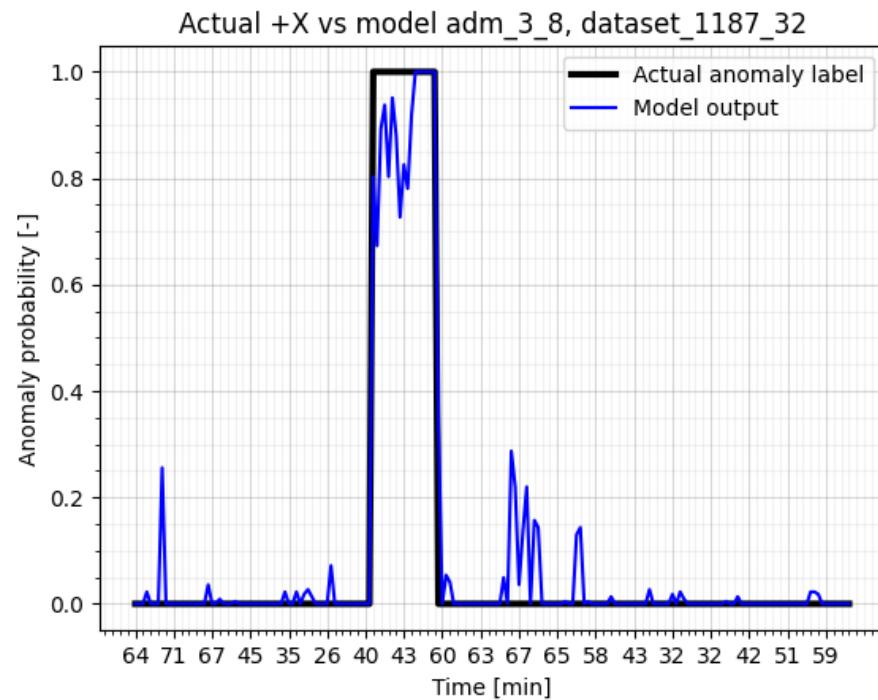


Figure 32: model inferences on dataset_1187_31_mod1.png





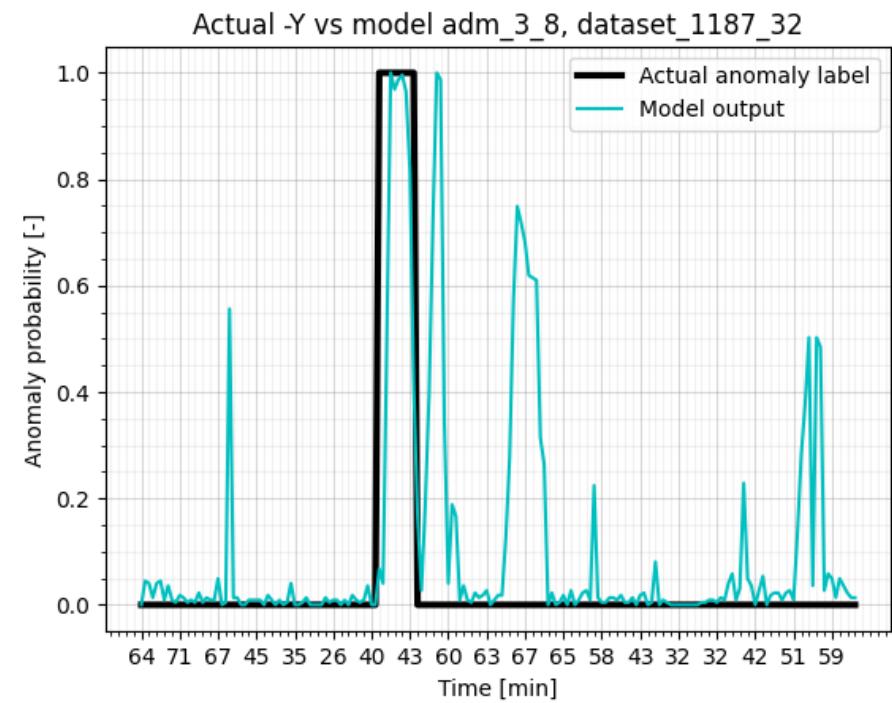
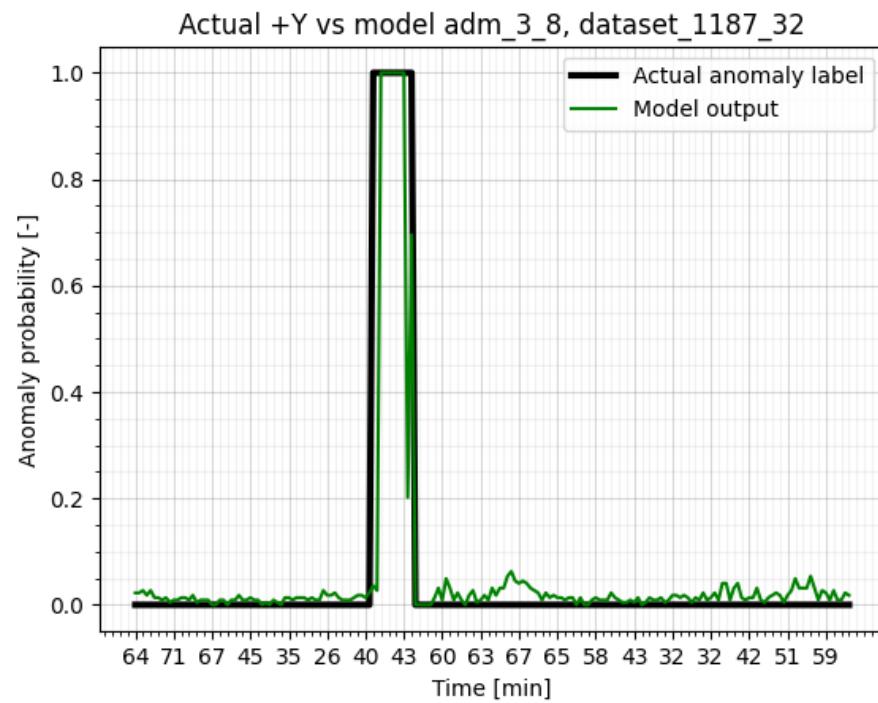


Figure 33: model inferences on dataset_1187_32_mod1.png