

TF test report 2.2

Test time: 07.06.2023

Model name: adm_2_2 (No threshold. follows anomalies. value limits 1/0 applied. Normalization applied. Slope output panel 1 added AT THE INPUT.)

Model type: MLP

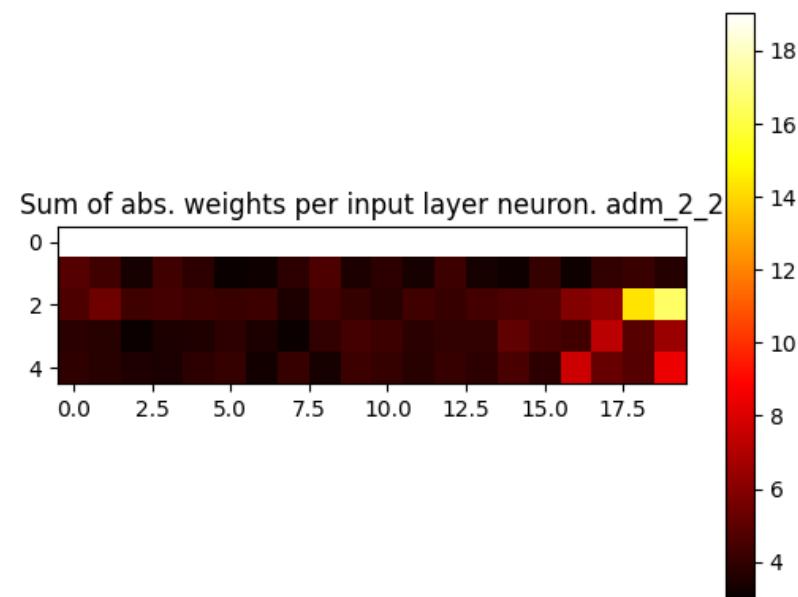
Model description: 81x32x32x32x2 MLP to detect anomaly based on the previous 20 points from 3 panels + 20 time points + sensor 1 derivative, and predict the next point on panel 1. Trained to detect sensor spikes and constant regions, temperature shifts and bumps. Tested on previously unseen data. Has 20 clock readings at the input.

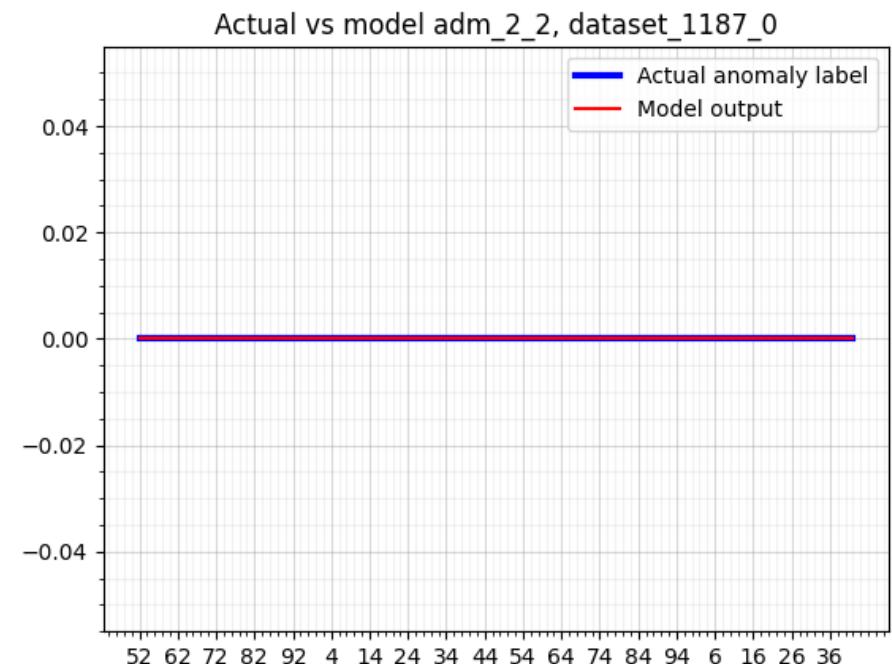
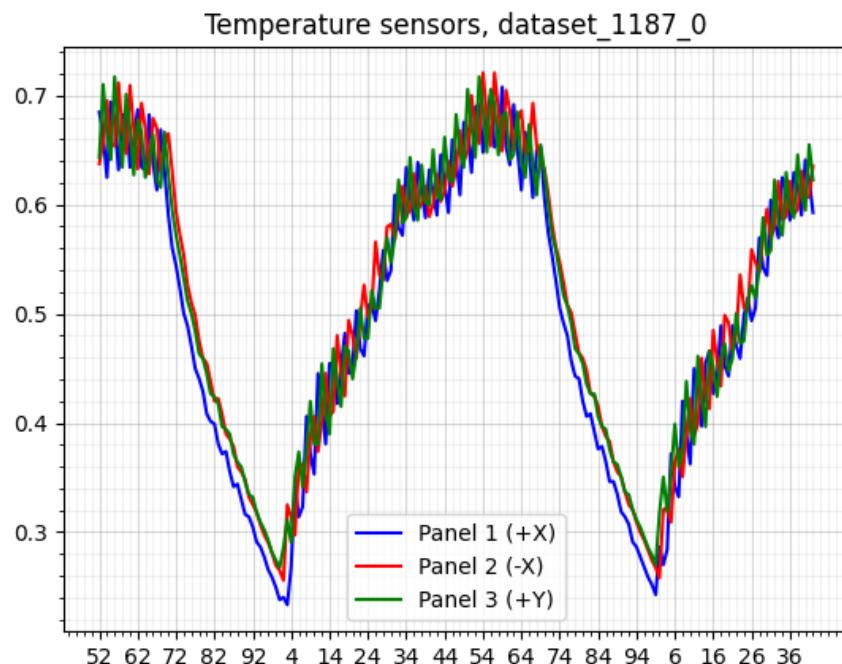
Model data size: NA

Test results:

Accuracy on NO anomalies (0): 0.9987

Accuracy on ANOMALIES (1): 0.9601





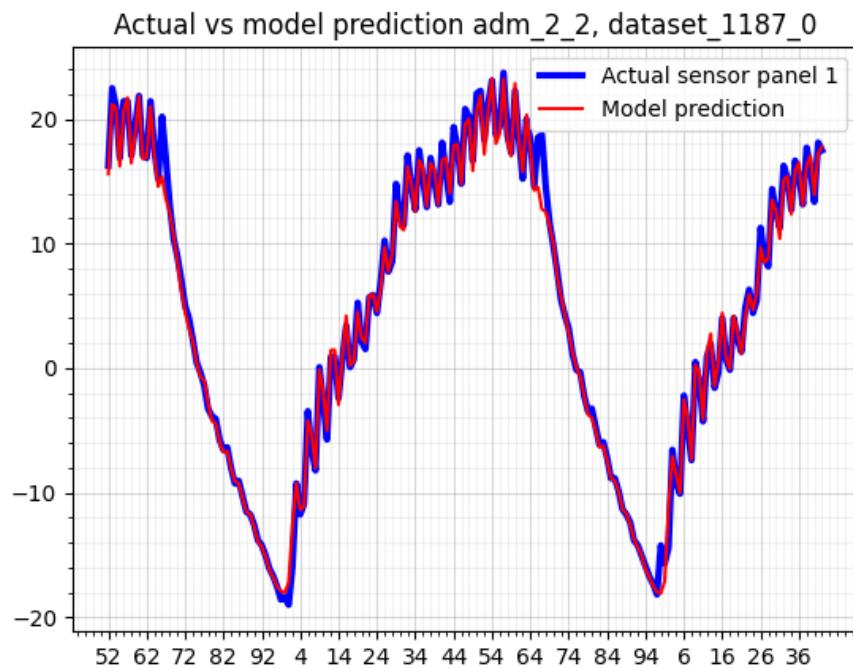
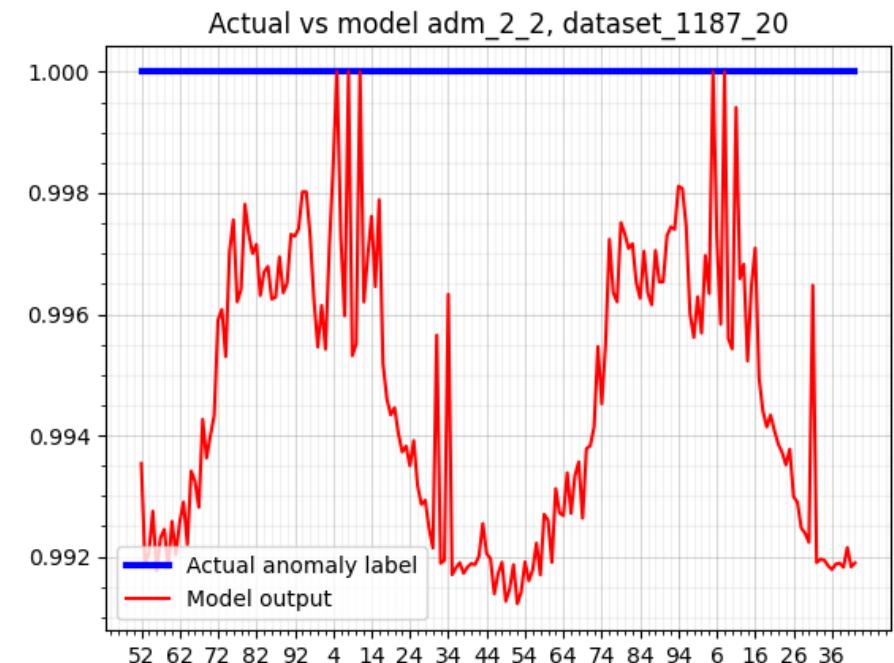
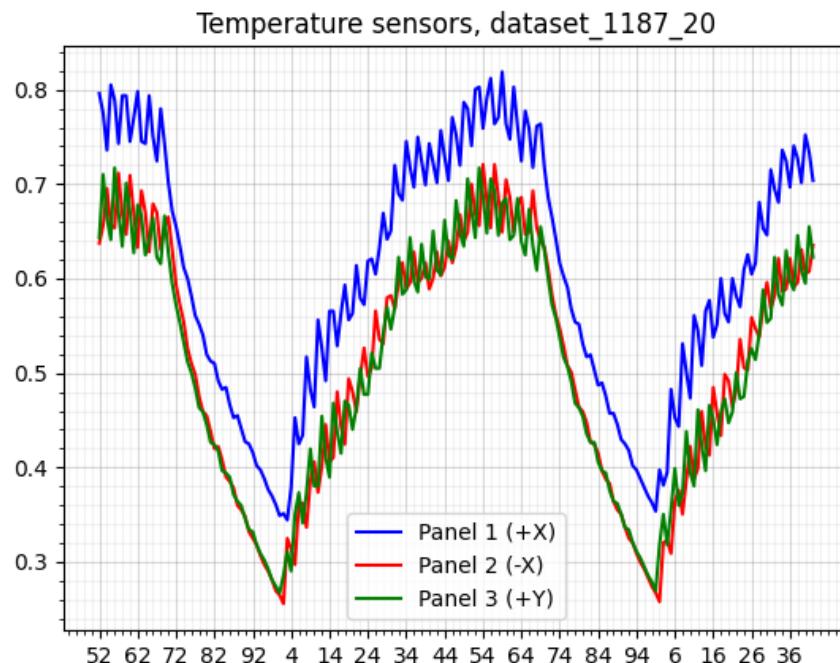


Figure 1: model inferences on dataset_1187_0_sens.png



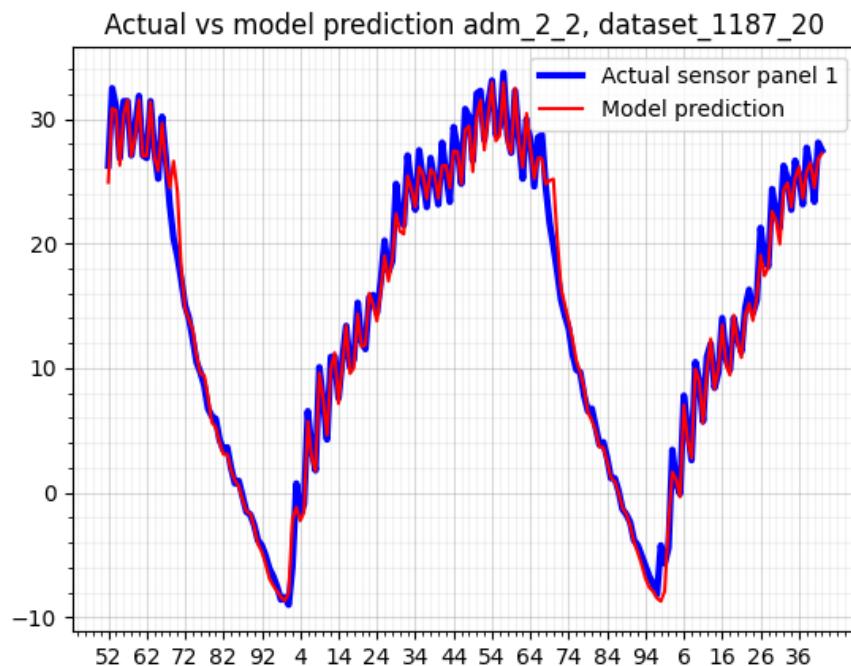
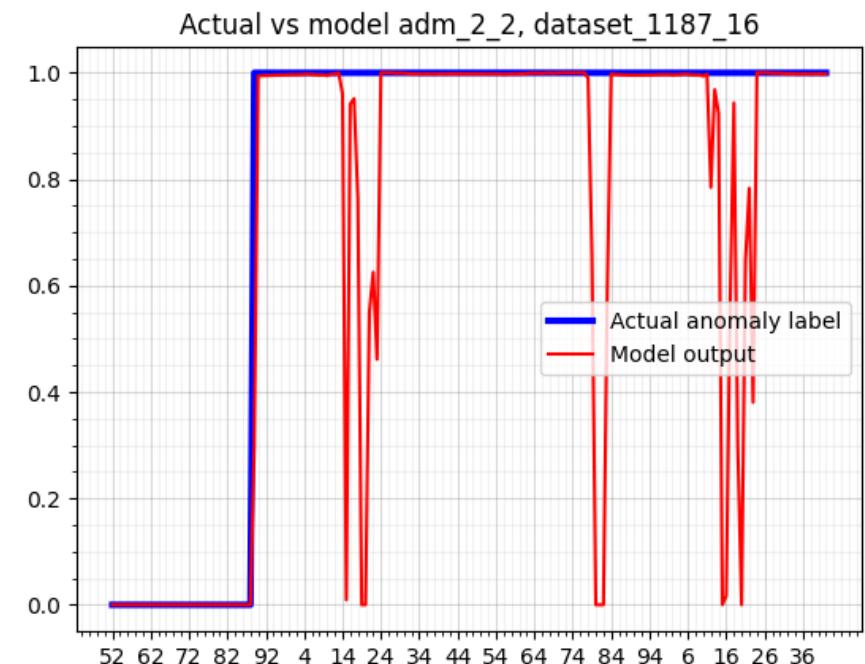
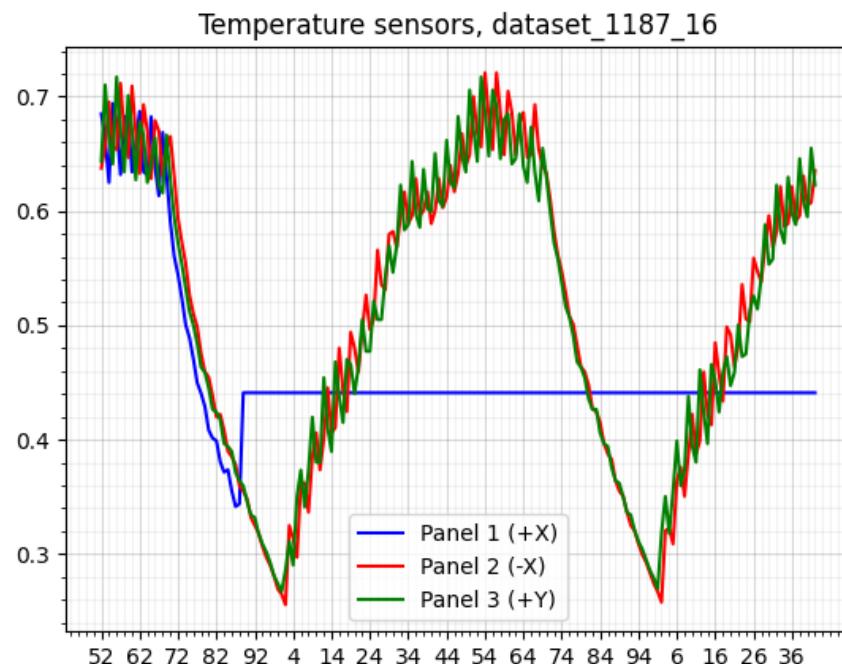


Figure 2: model inferences on dataset_1187_20_sens.png



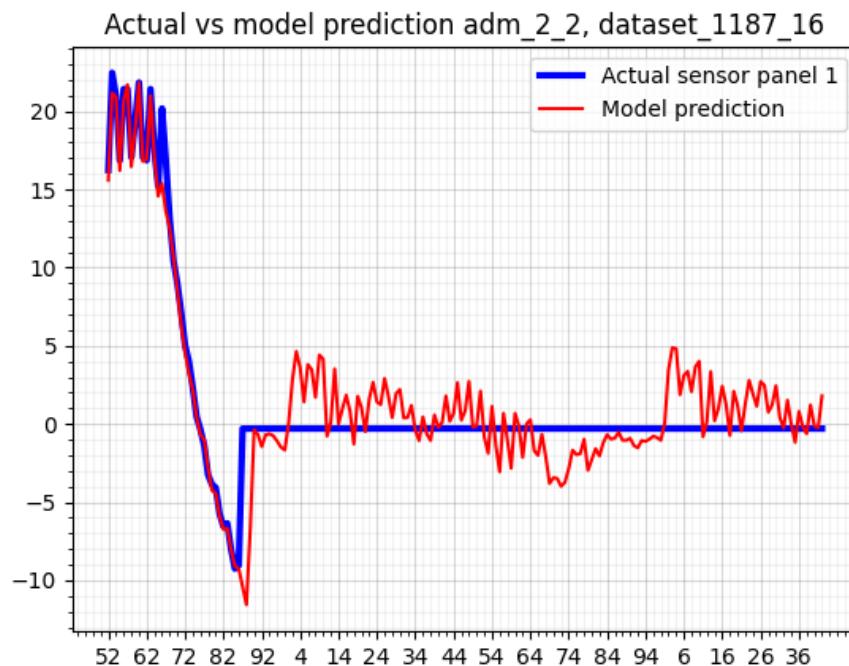
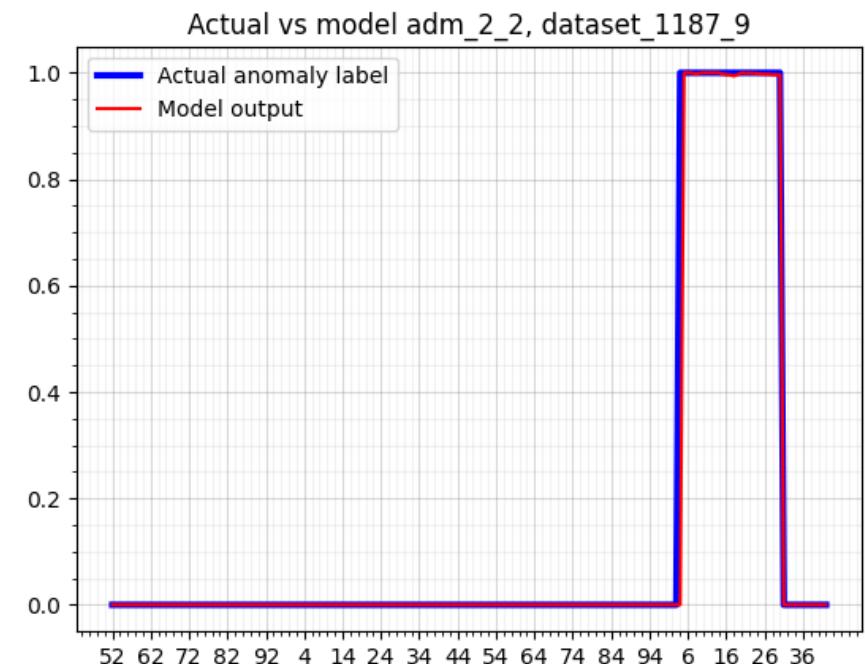
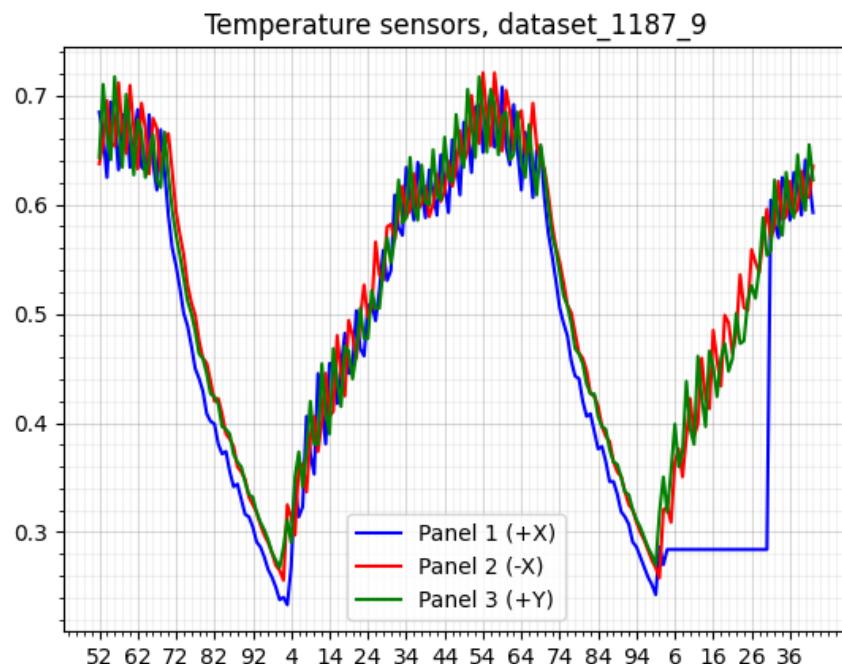


Figure 3: model inferences on dataset_1187_16_sens.png



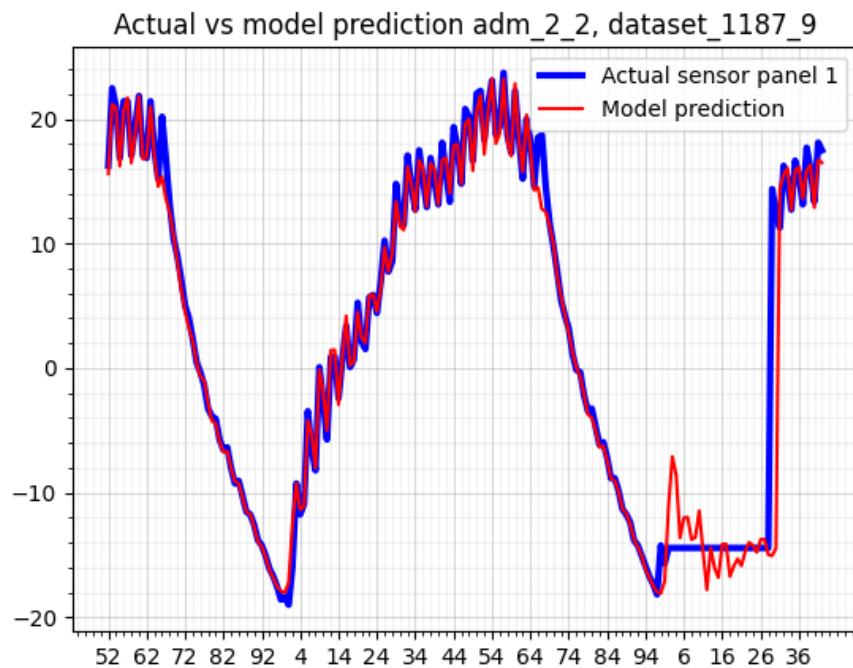
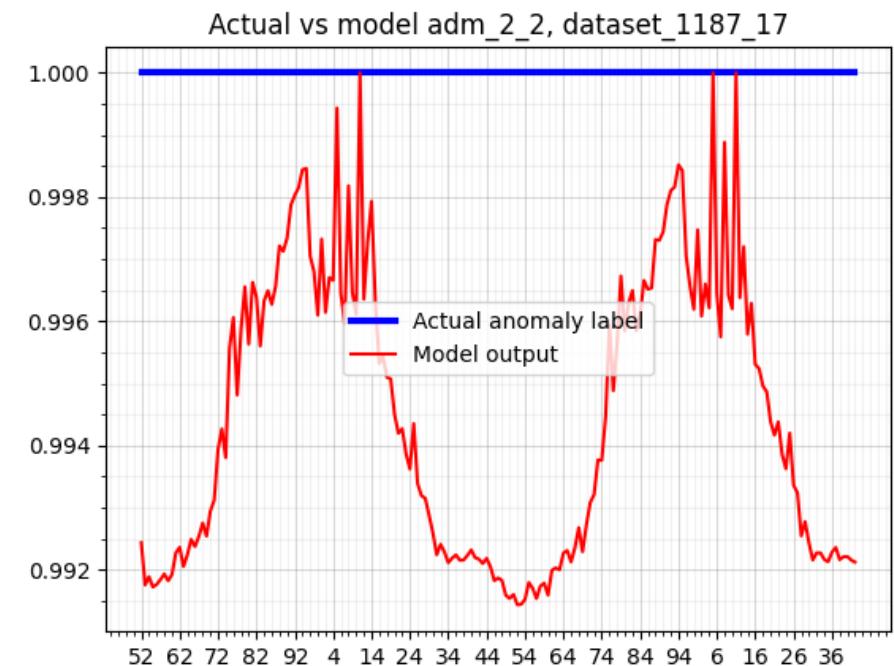
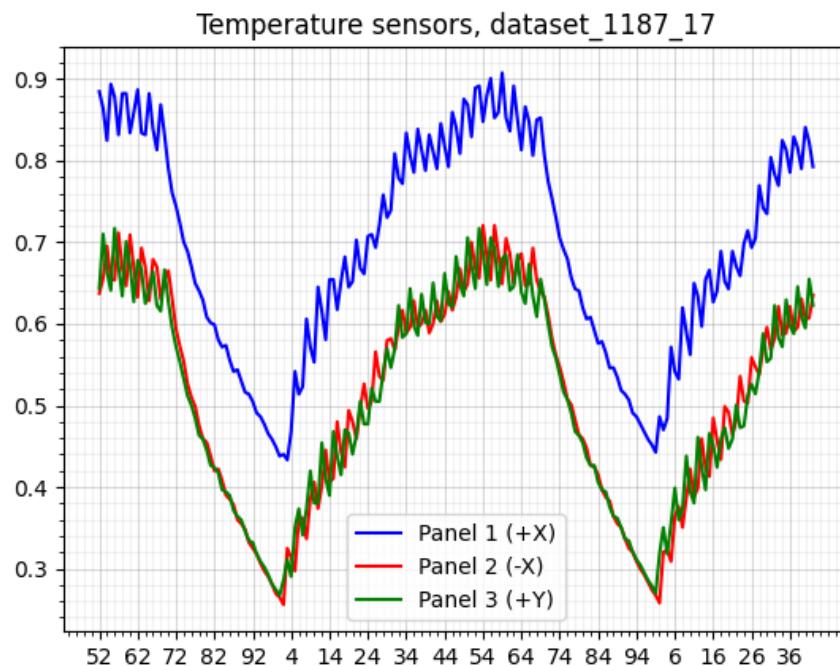


Figure 4: model inferences on dataset_1187_9_sens.png



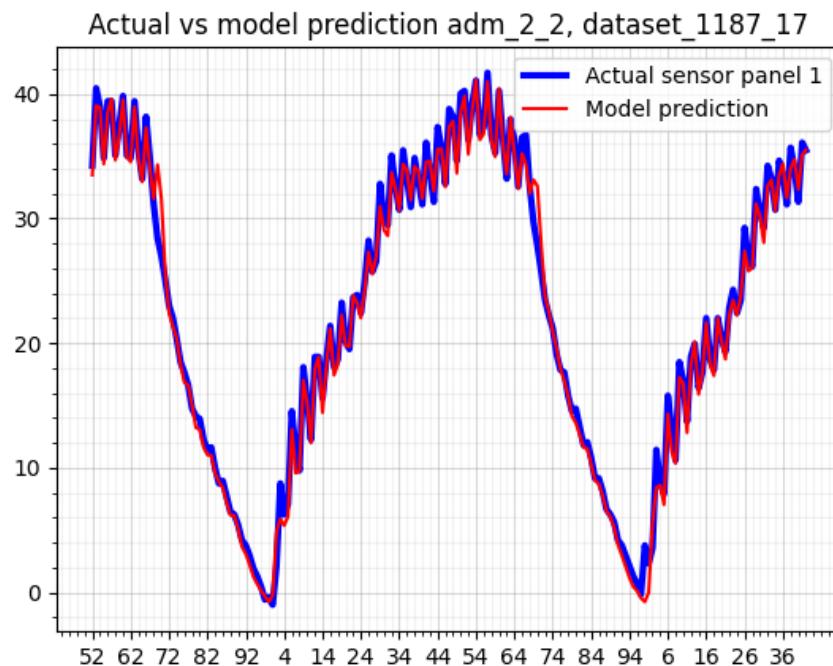
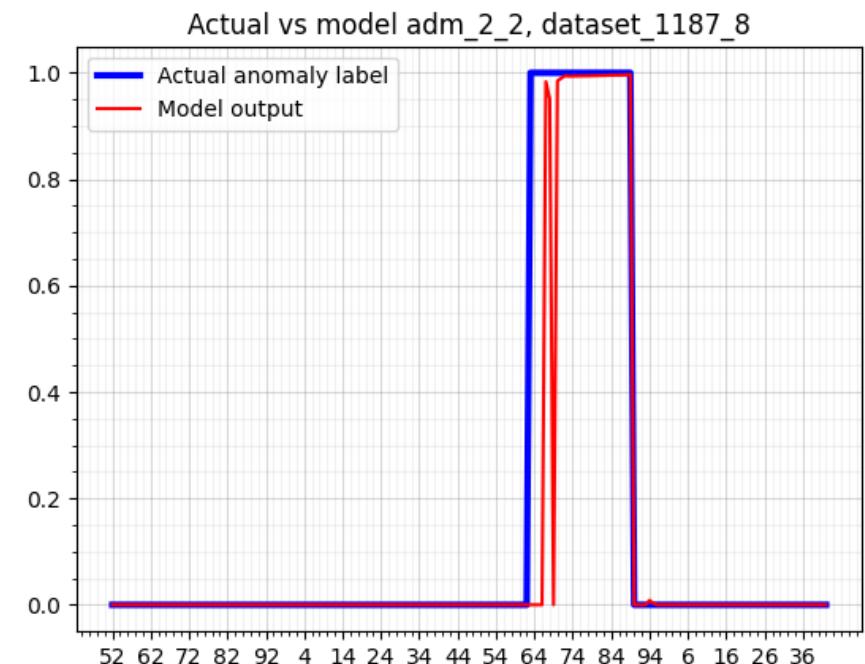
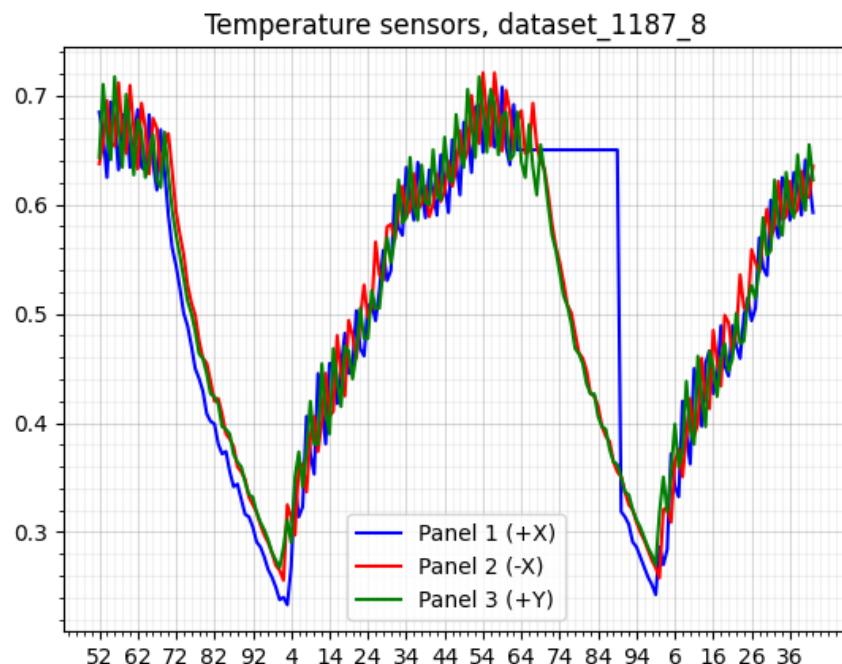


Figure 5: model inferences on dataset_1187_17_sens.png



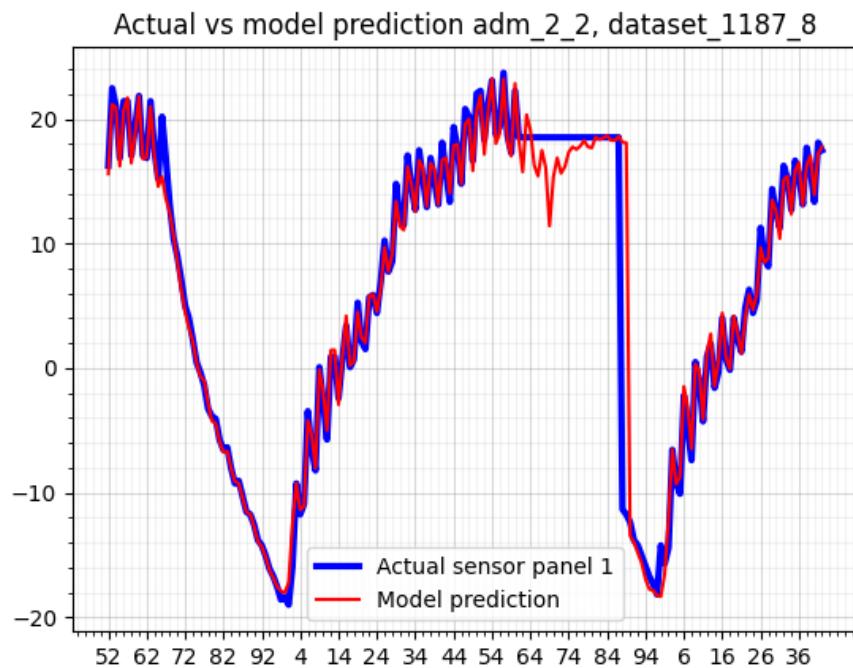
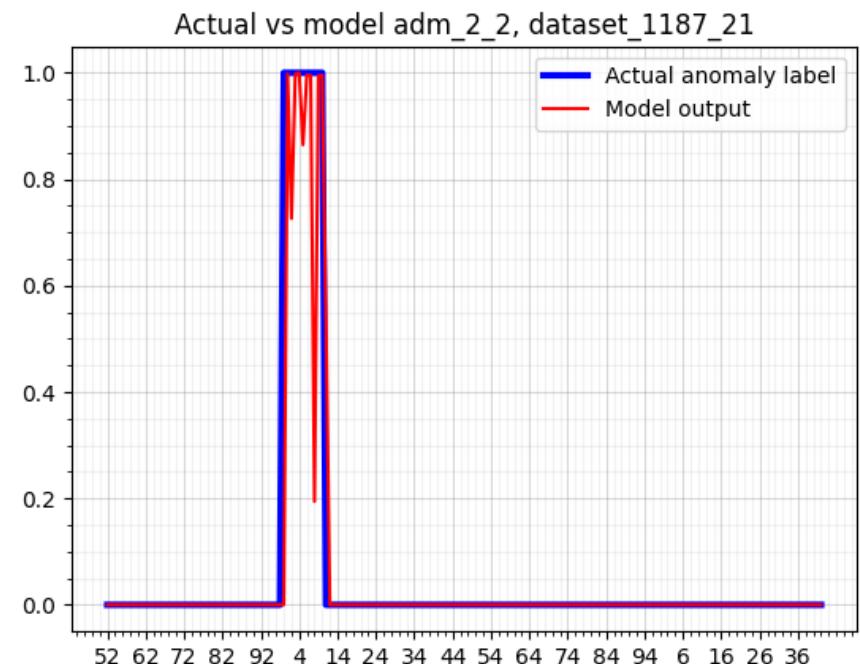
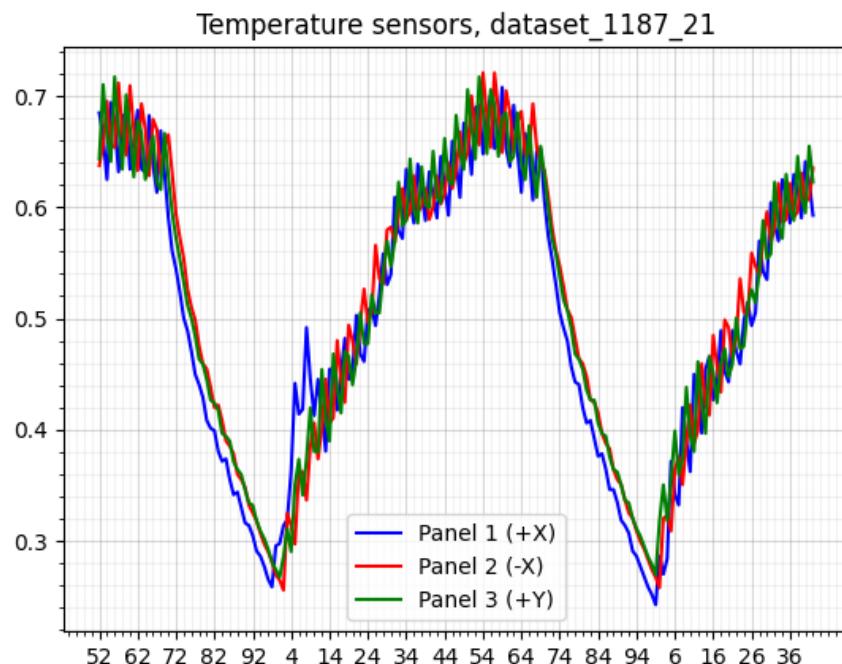


Figure 6: model inferences on dataset_1187_8_sens.png



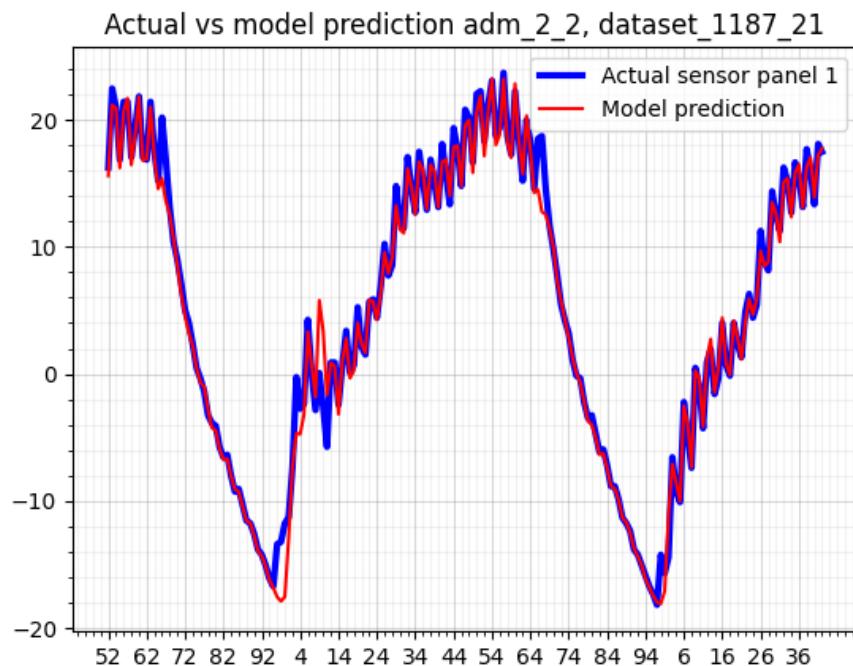
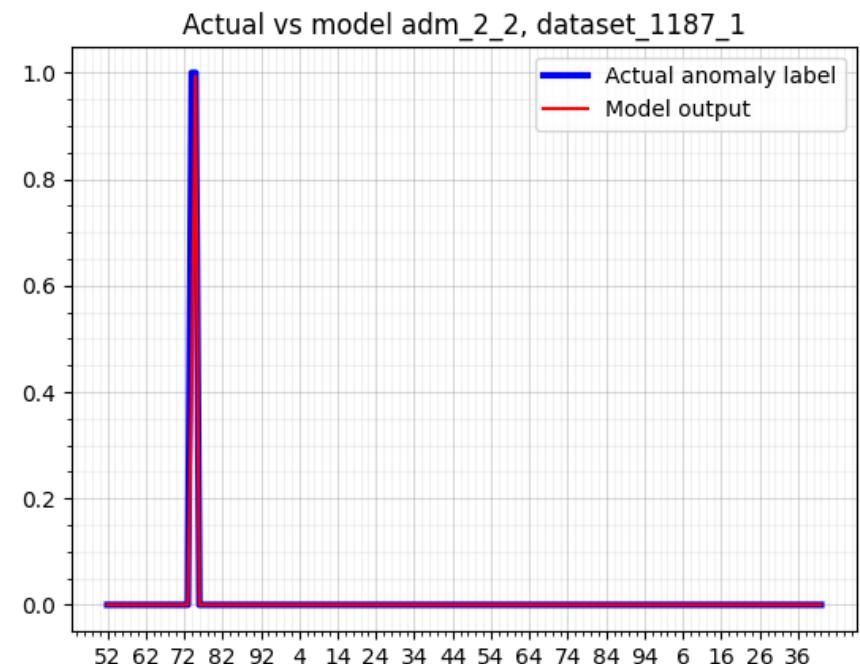
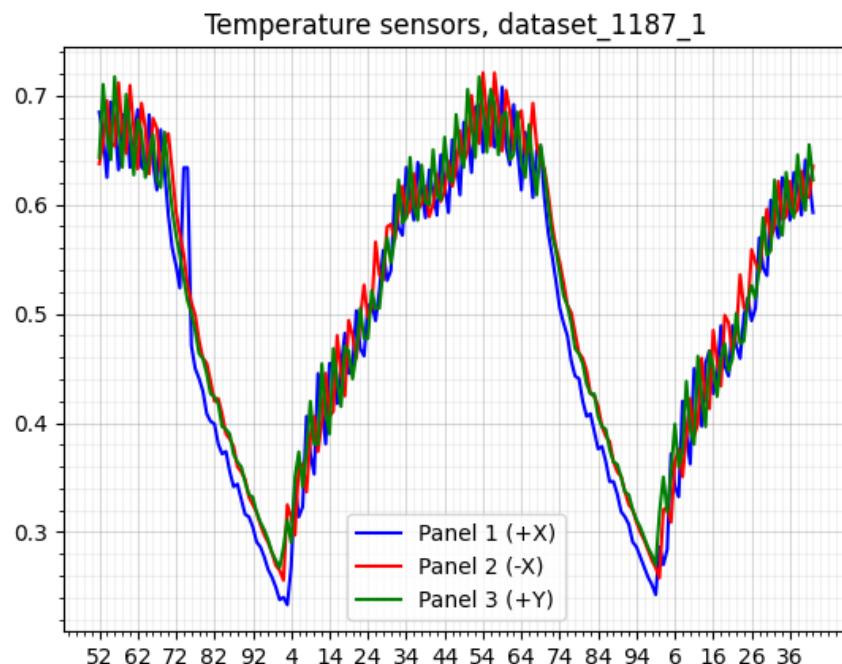


Figure 7: model inferences on dataset_1187_21_sens.png



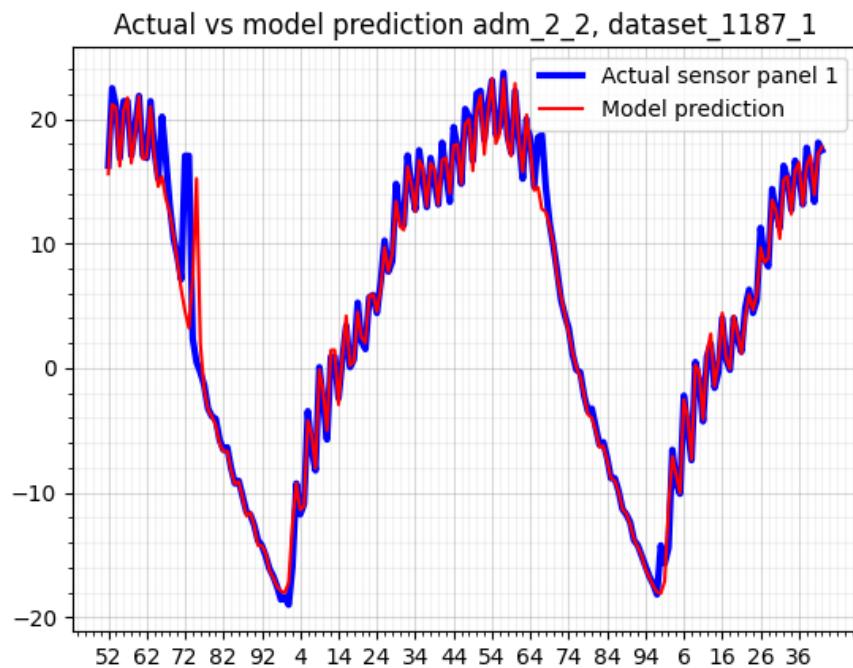
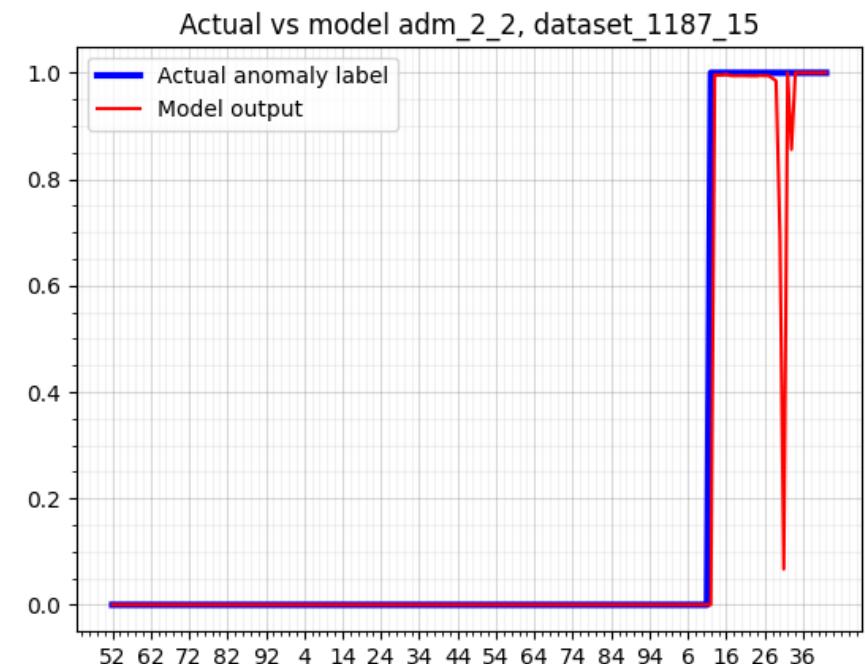
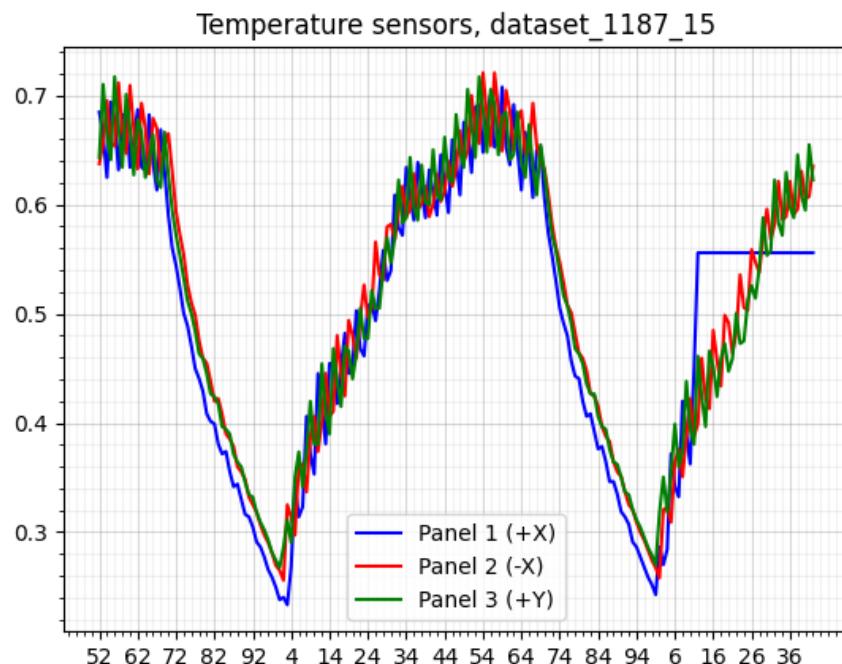


Figure 8: model inferences on dataset_1187_1_sens.png



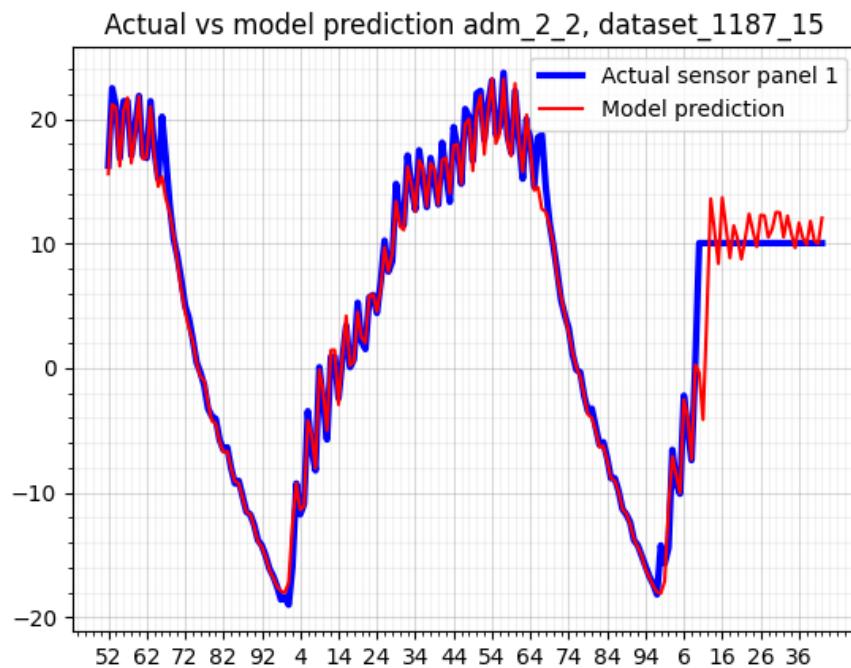
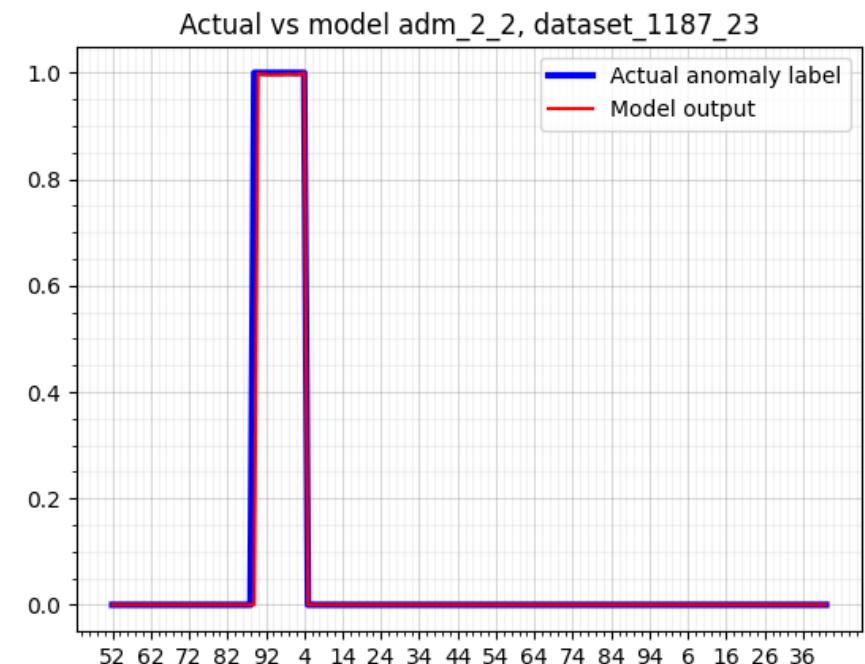
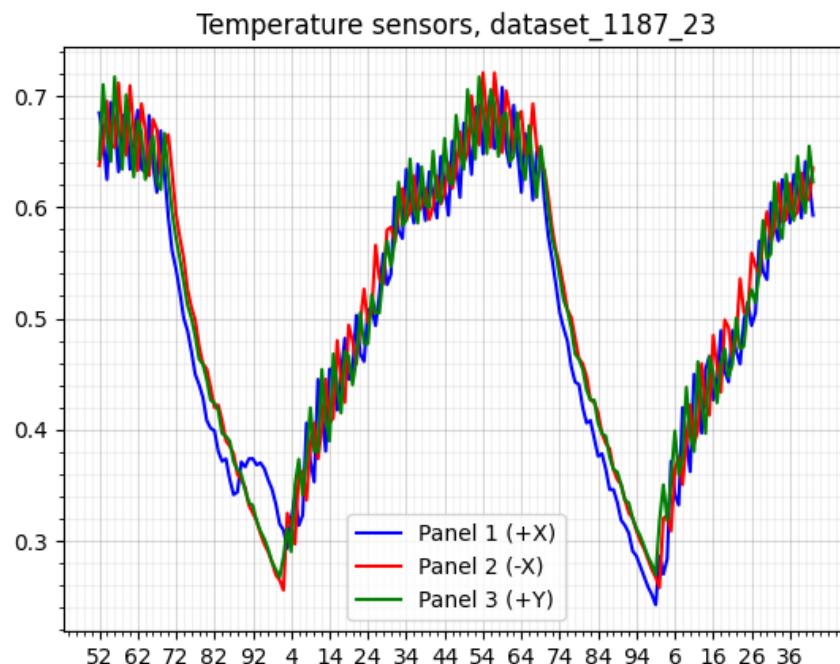


Figure 9: model inferences on dataset_1187_15_sens.png



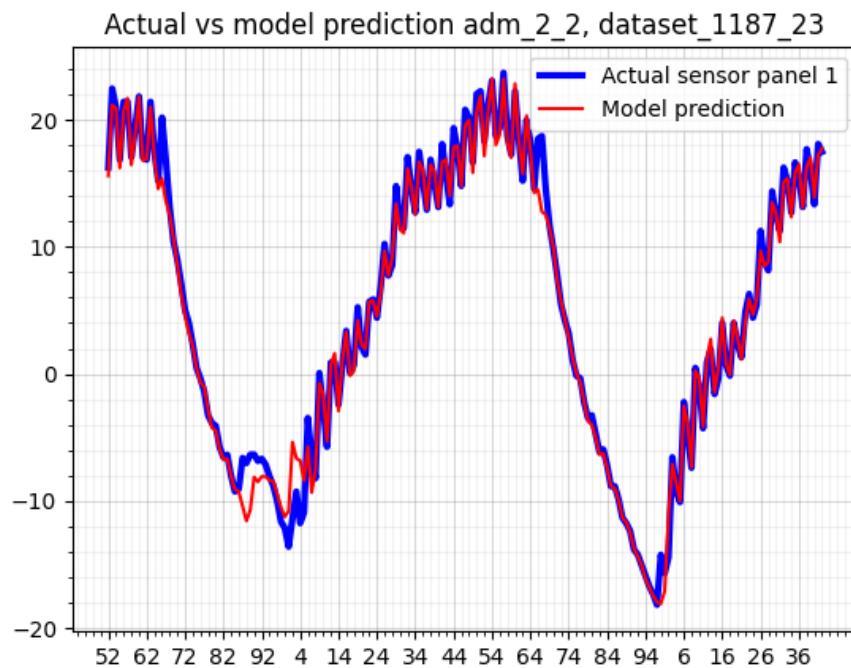
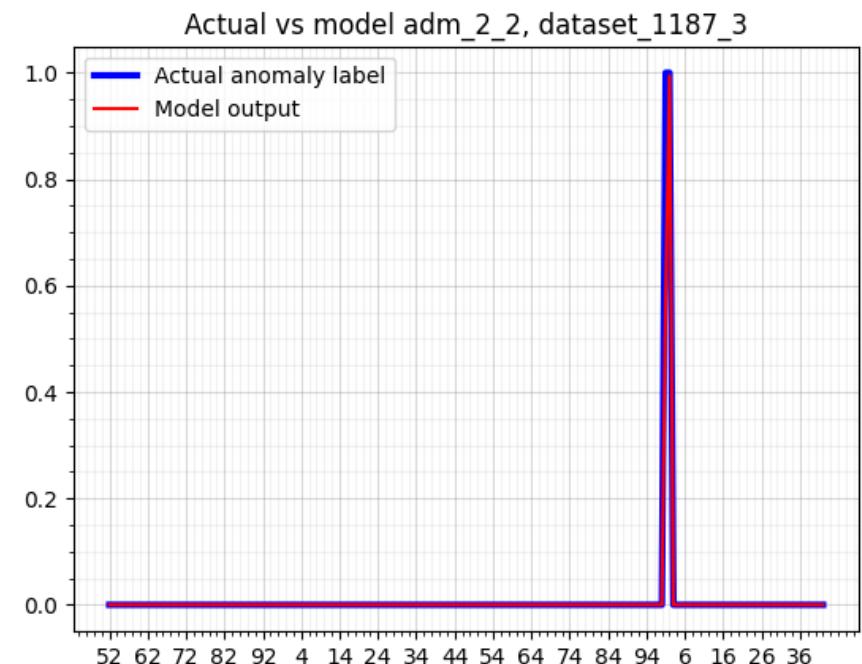
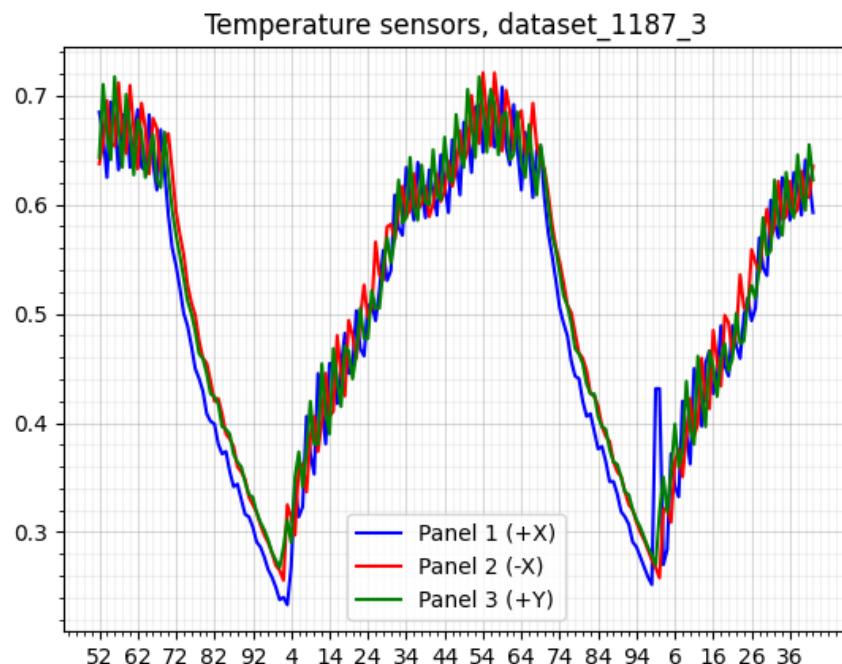


Figure 10: model inferences on dataset_1187_23_sens.png



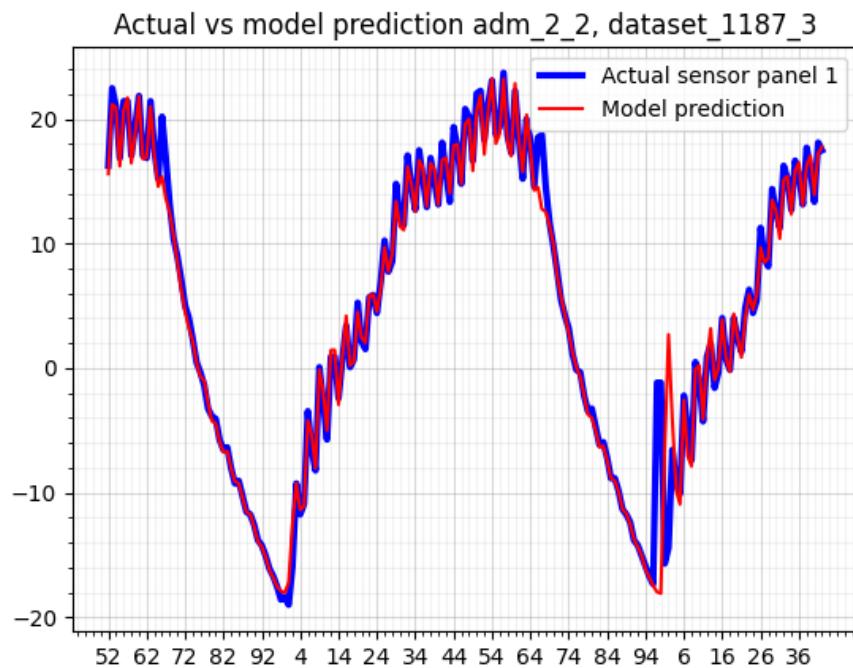
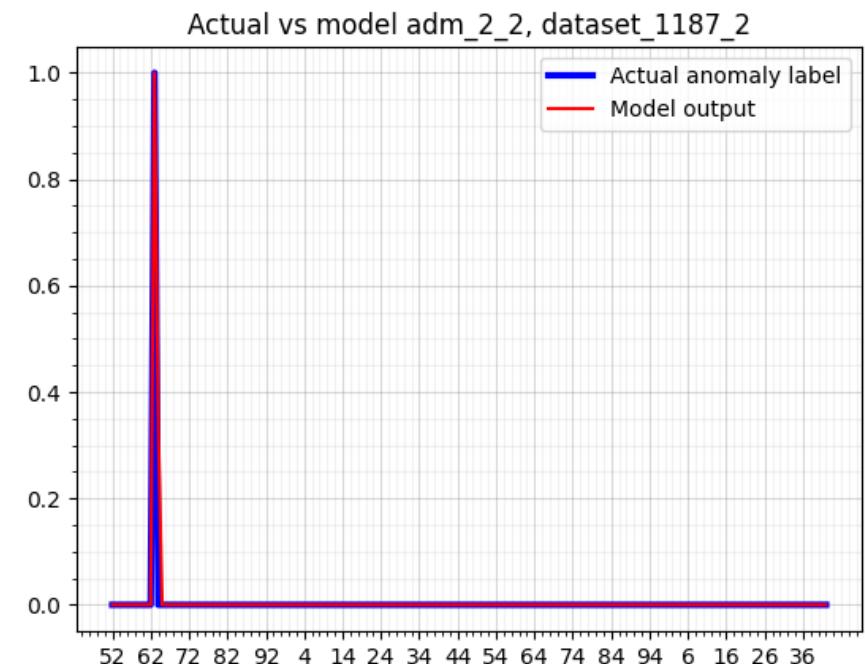
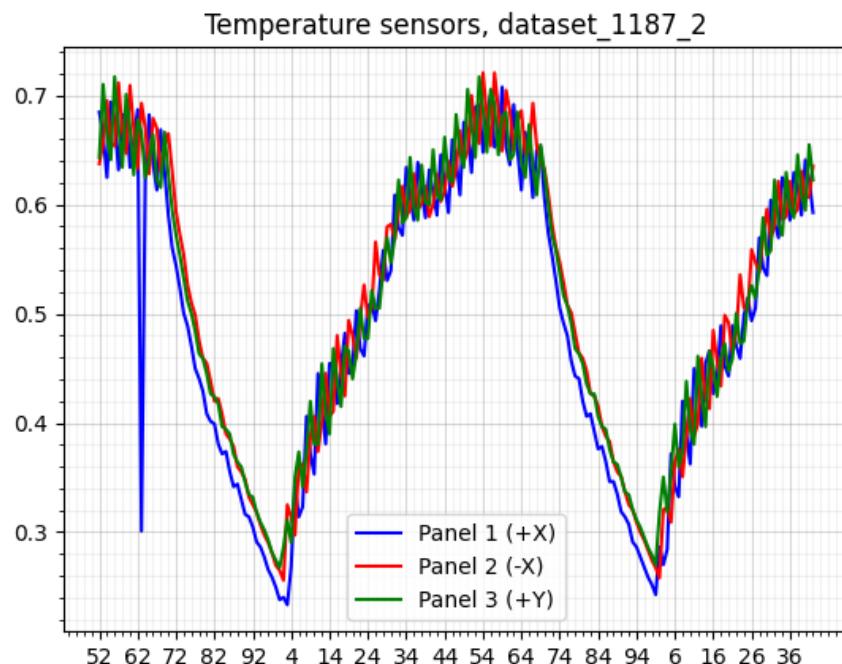


Figure 11: model inferences on dataset_1187_3_sens.png



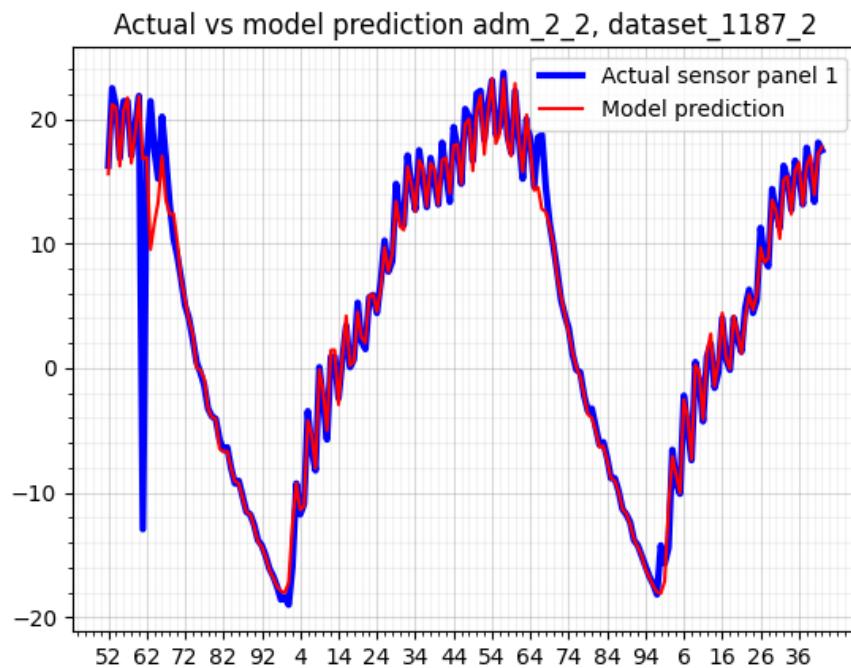
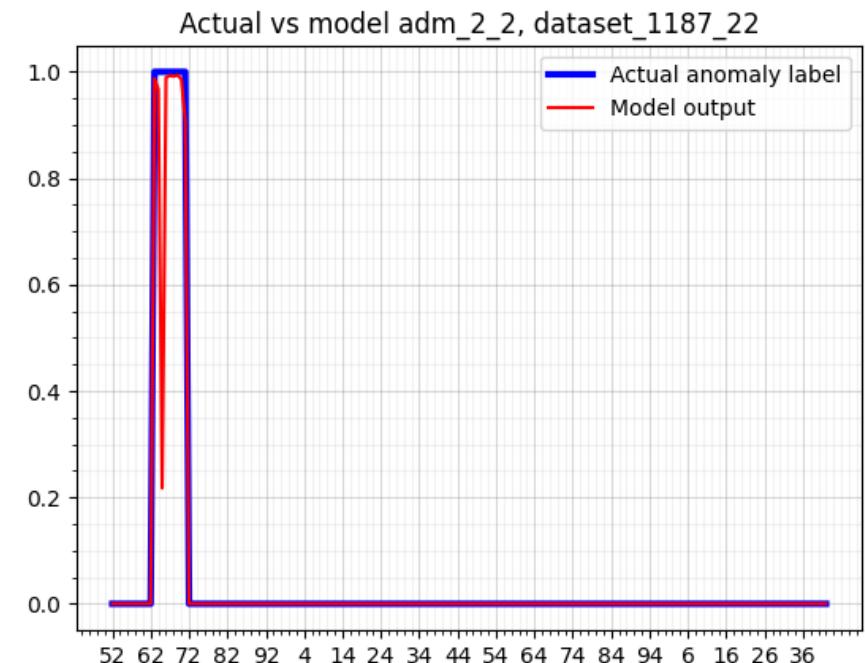
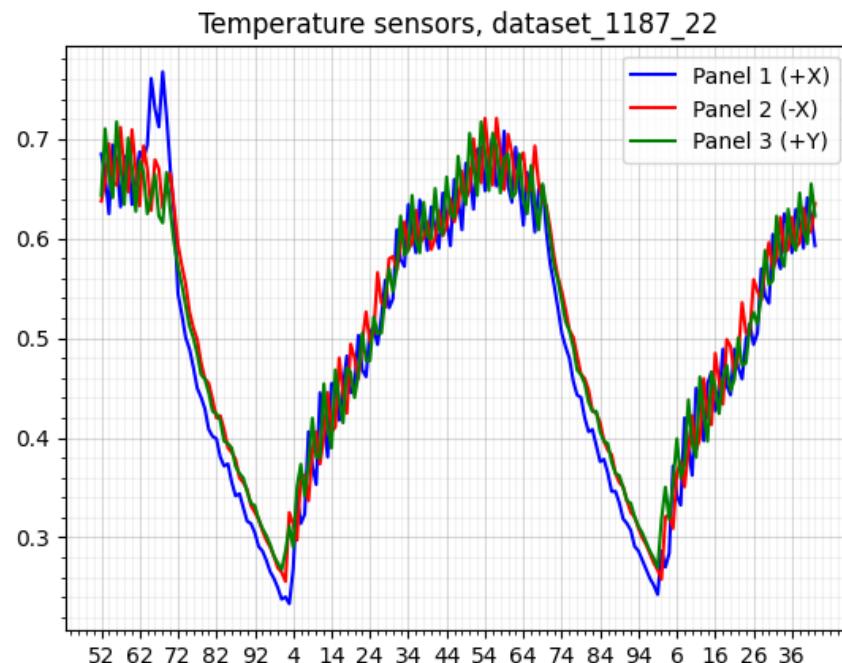


Figure 12: model inferences on dataset_1187_2_sens.png



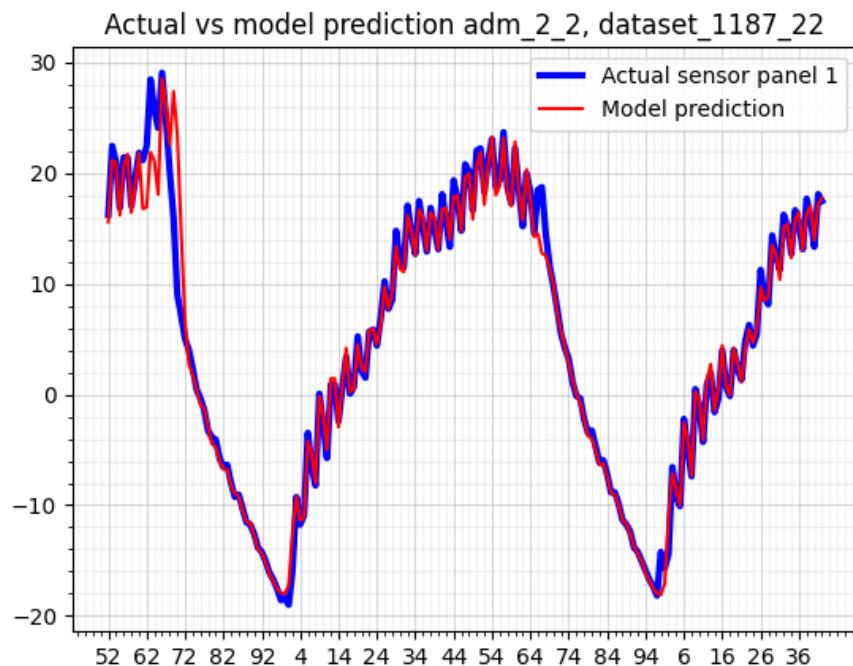
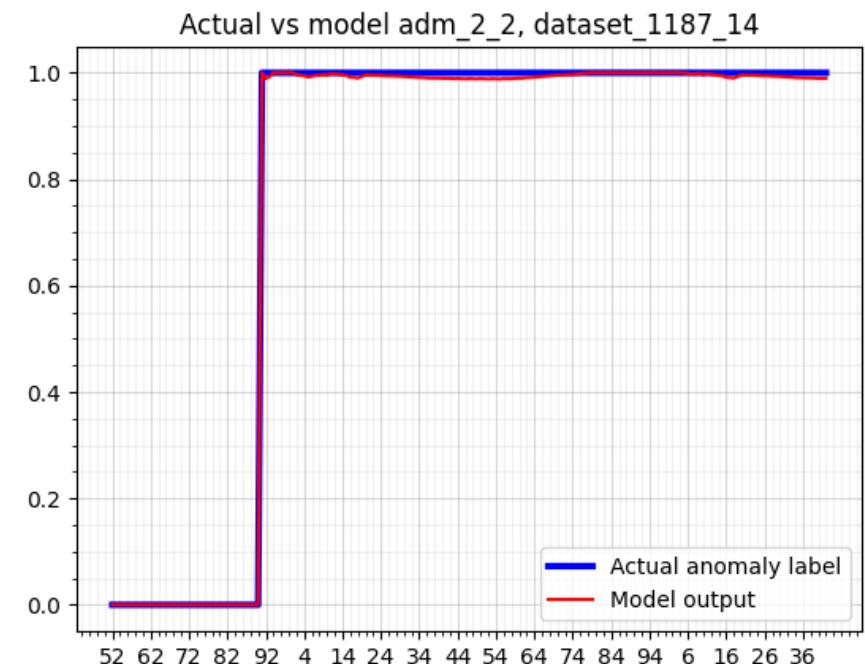
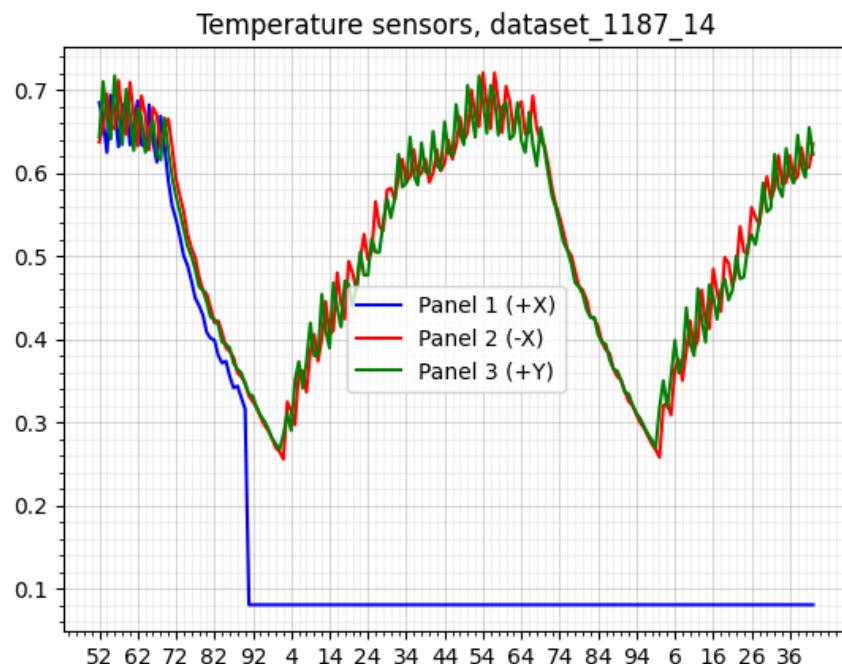


Figure 13: model inferences on dataset_1187_22_sens.png



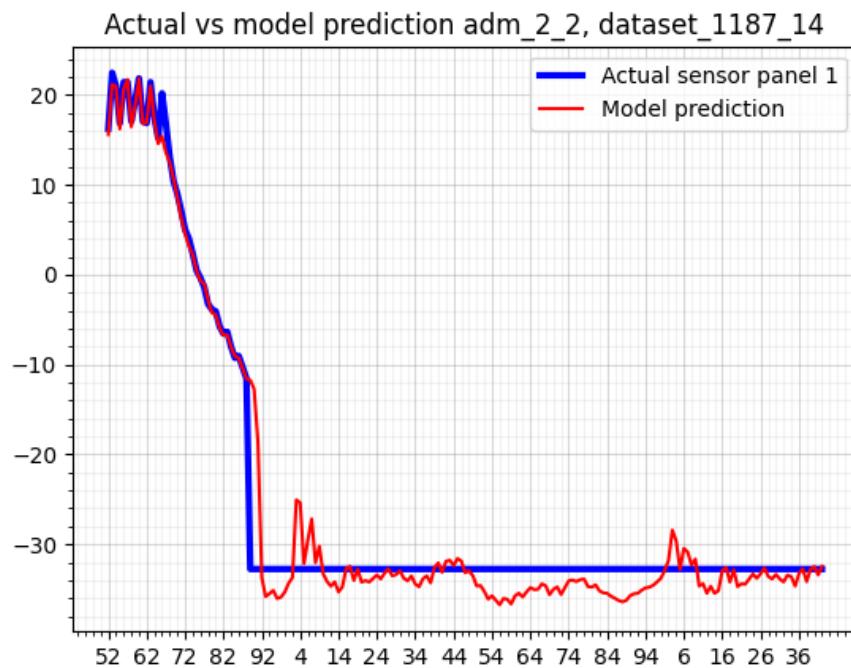
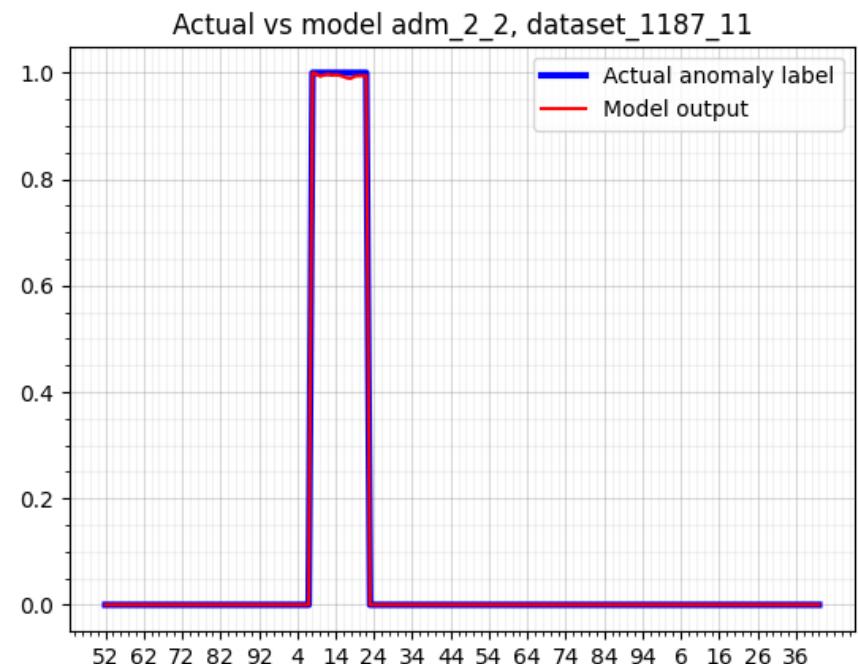
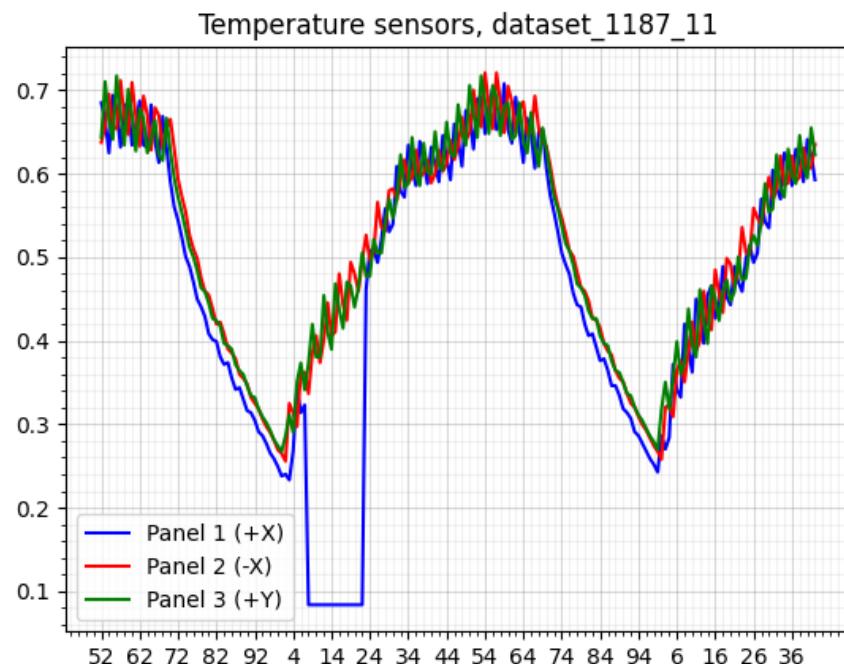


Figure 14: model inferences on dataset_1187_14_sens.png



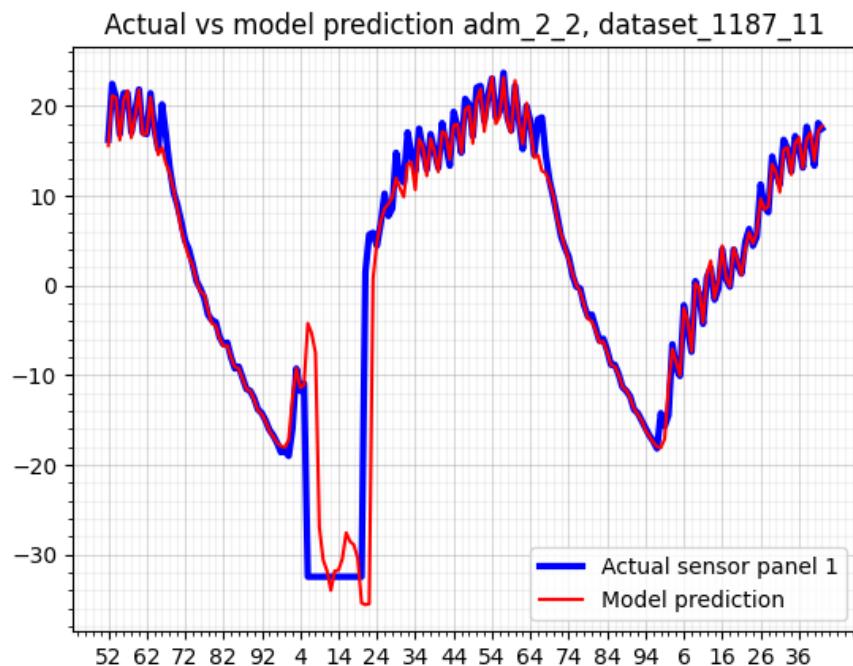
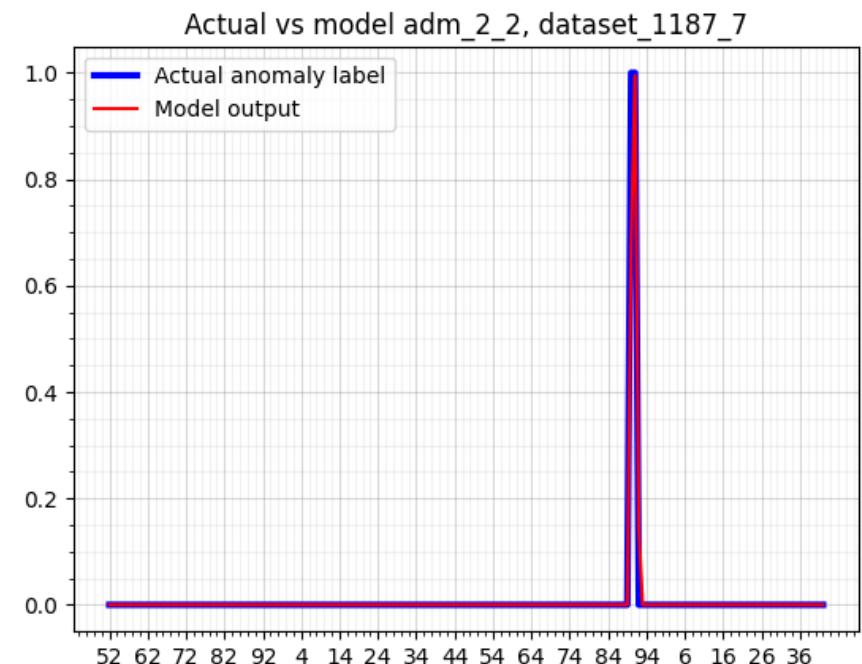
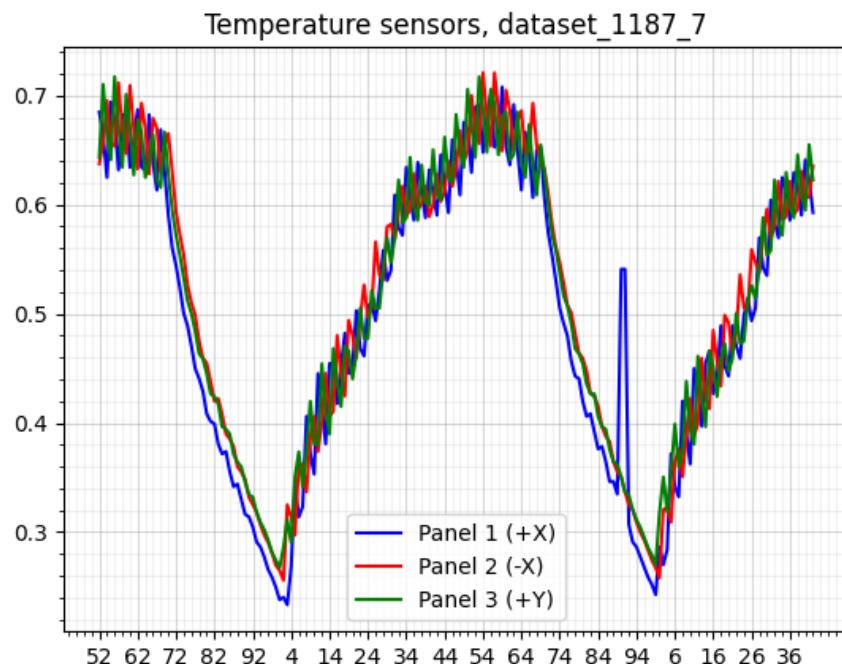


Figure 15: model inferences on dataset_1187_11_sens.png



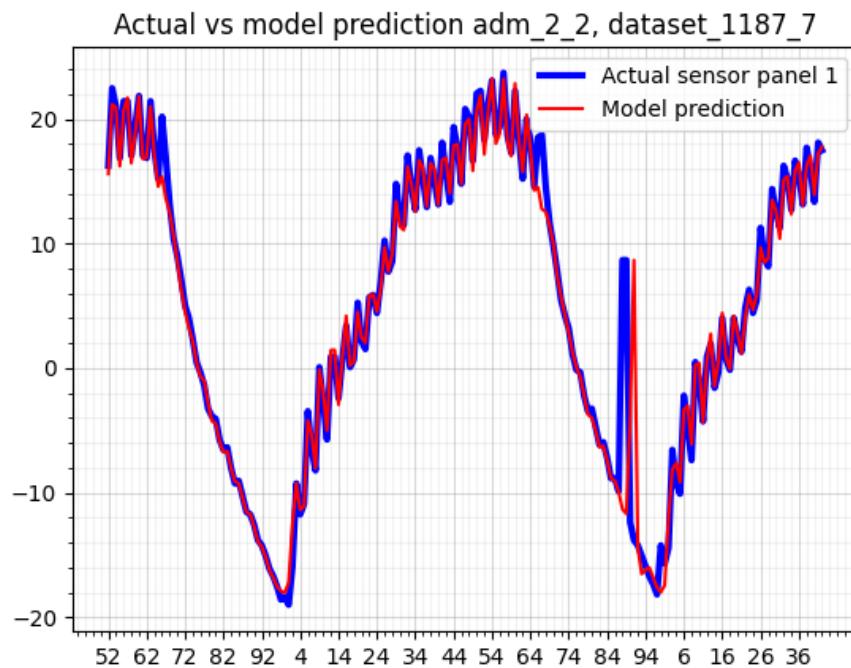
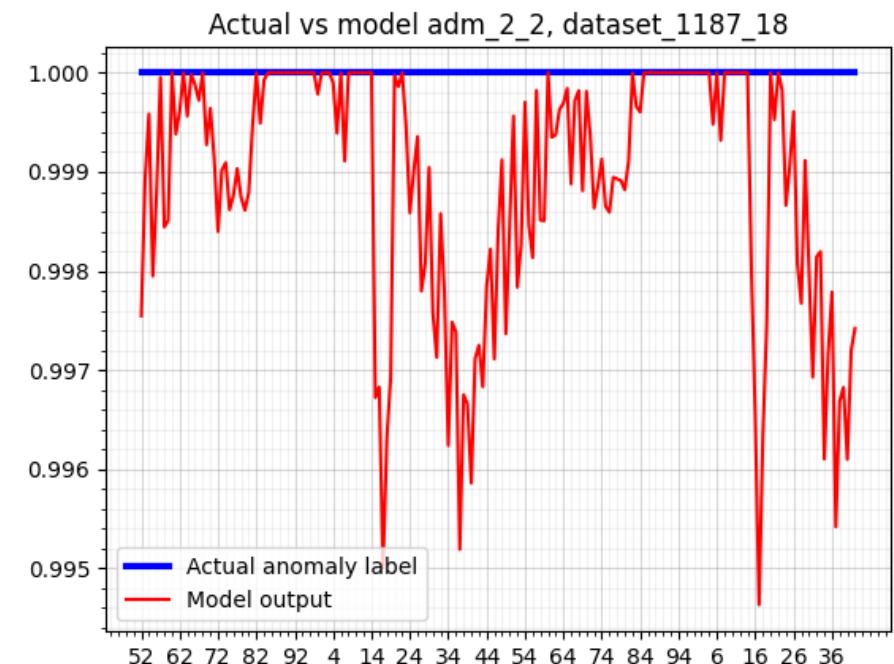
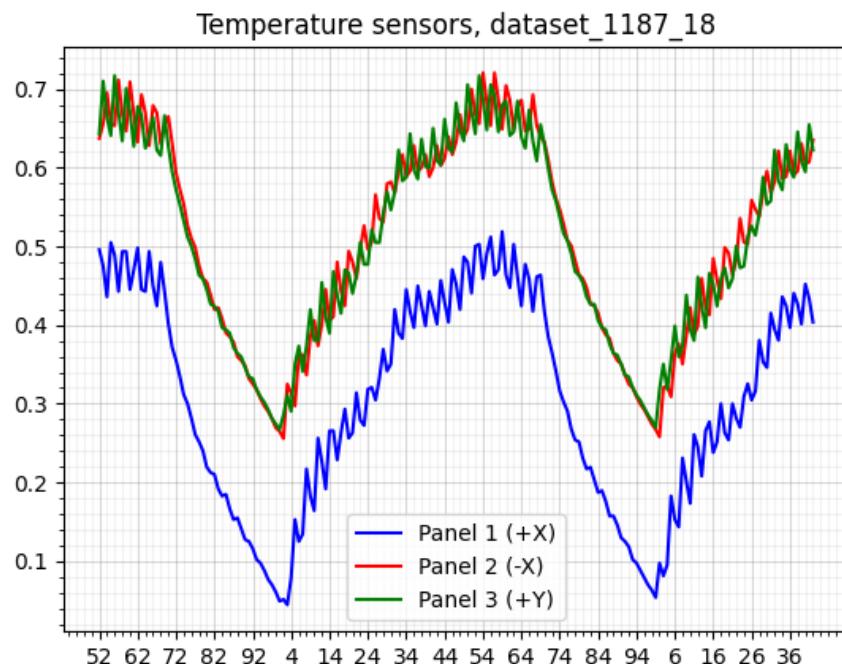


Figure 16: model inferences on dataset_1187_7_sens.png



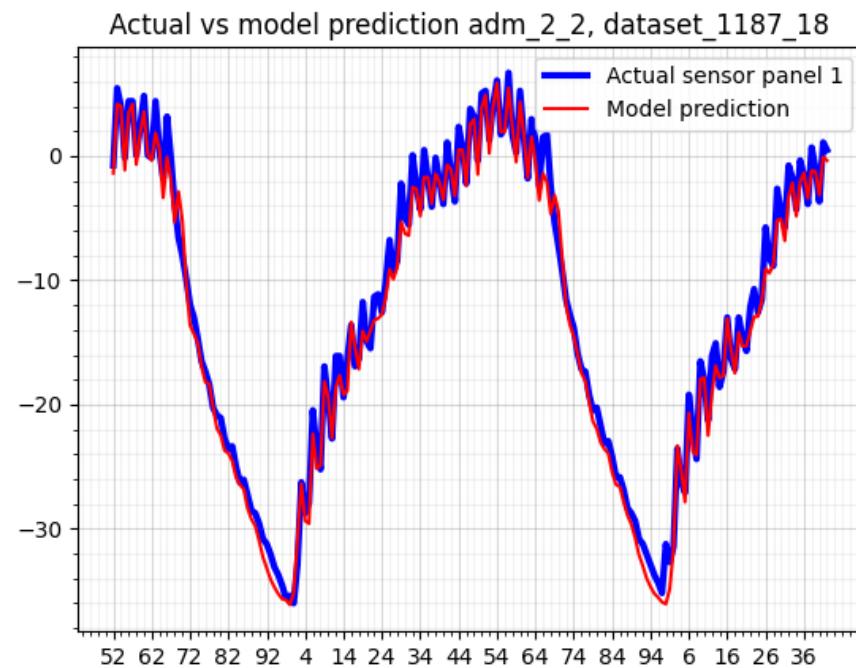
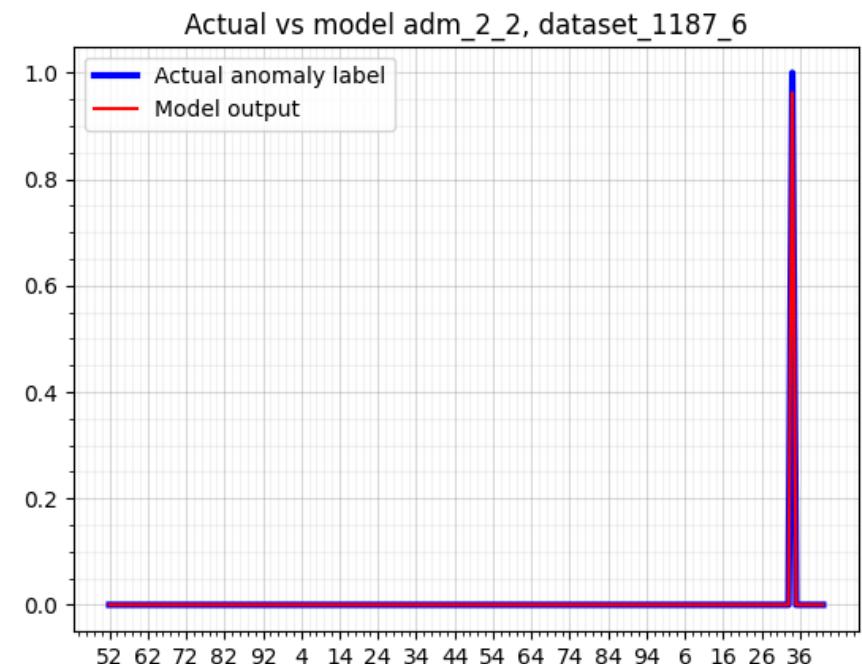
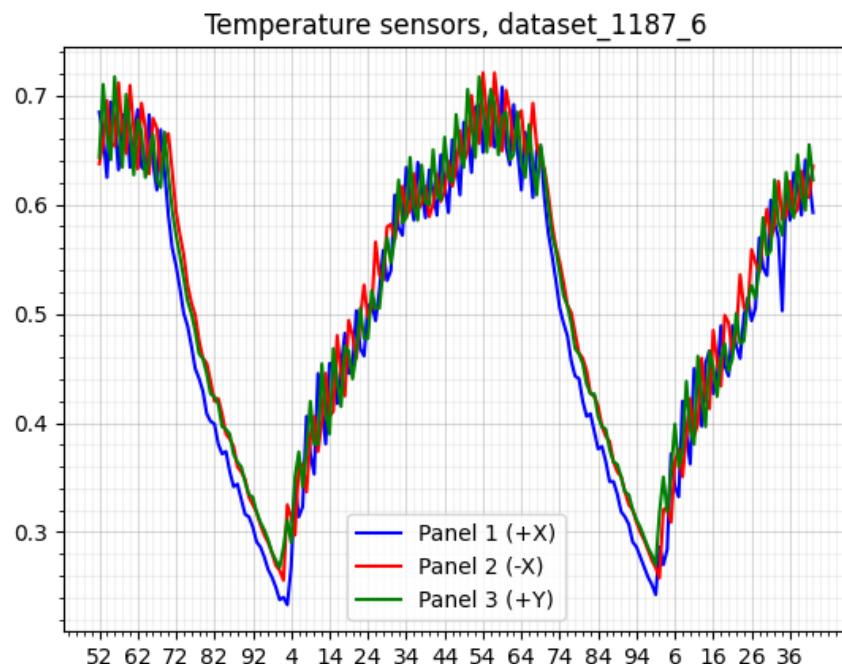


Figure 17: model inferences on dataset_1187_18_sens.png



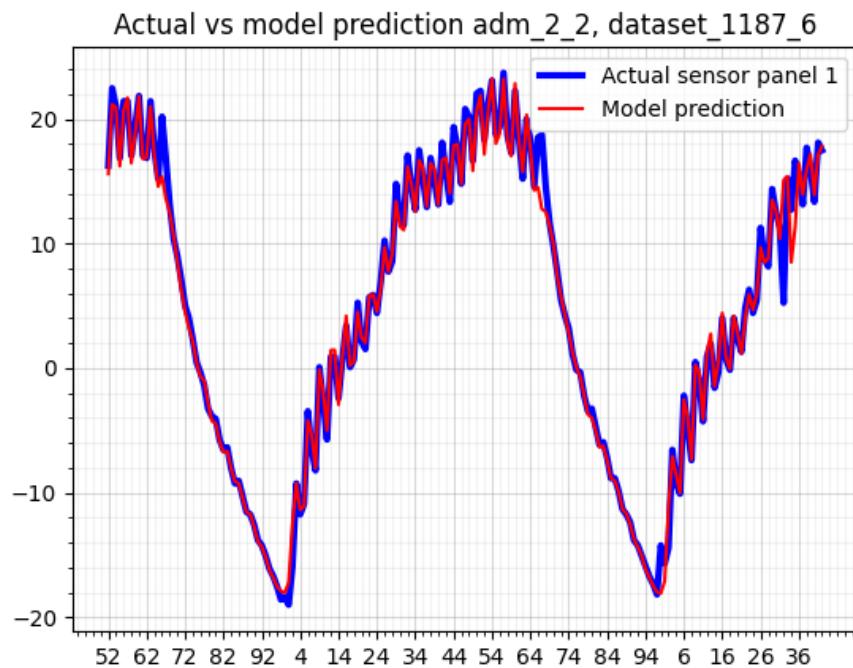
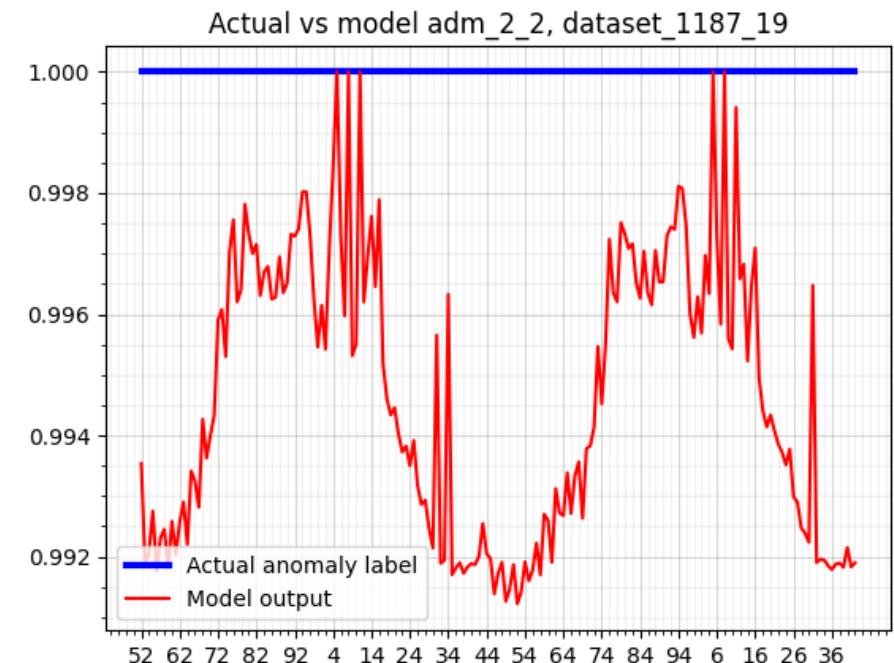
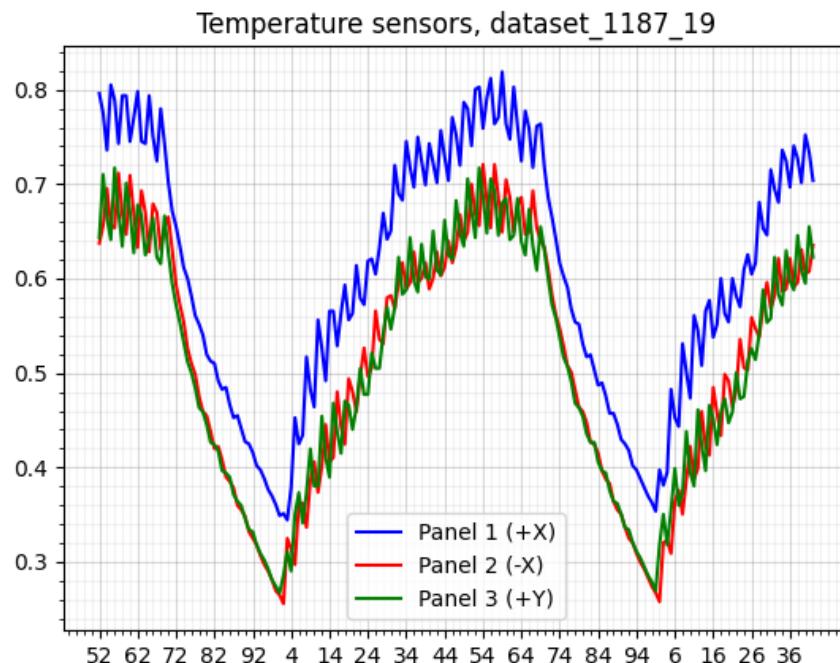


Figure 18: model inferences on dataset_1187_6_sens.png



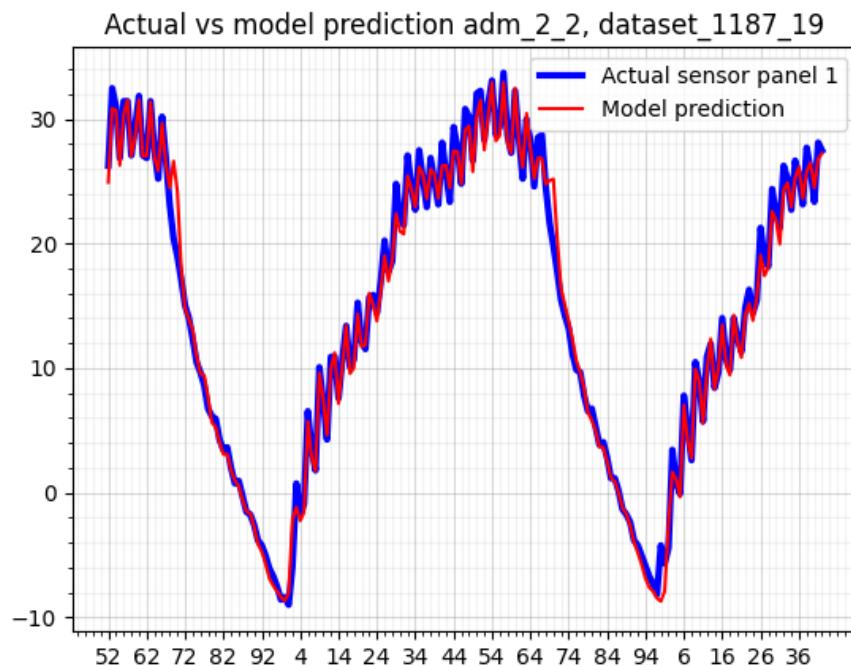
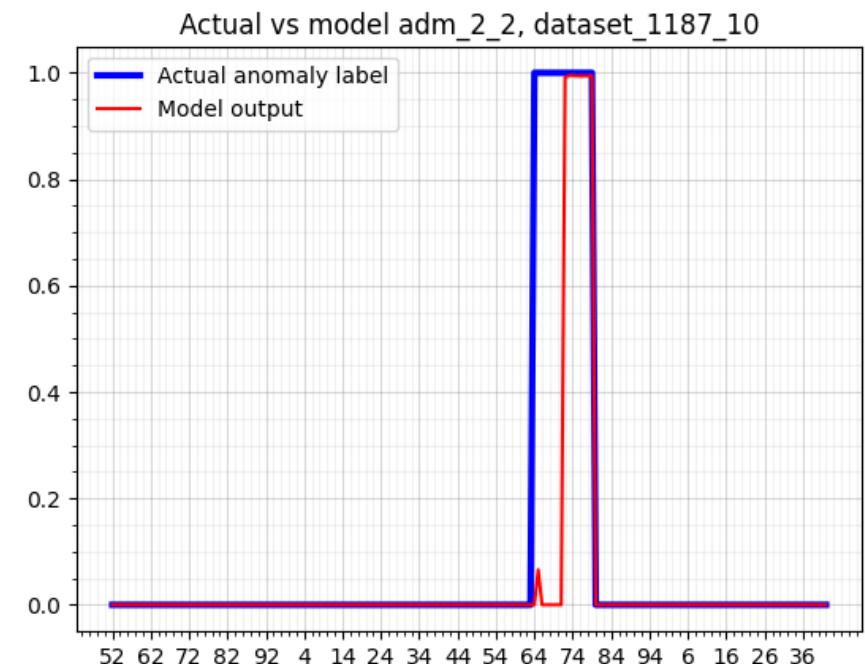
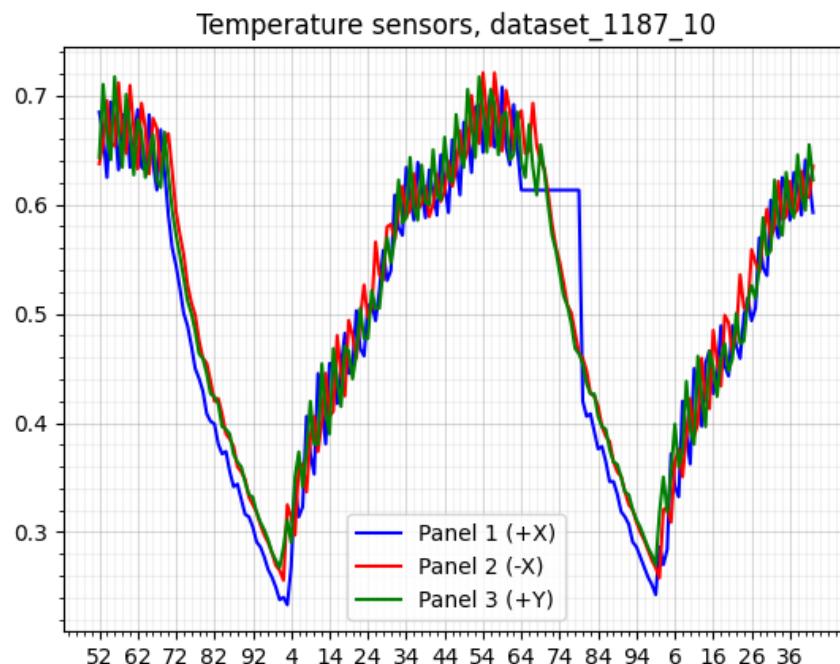


Figure 19: model inferences on dataset_1187_19_sens.png



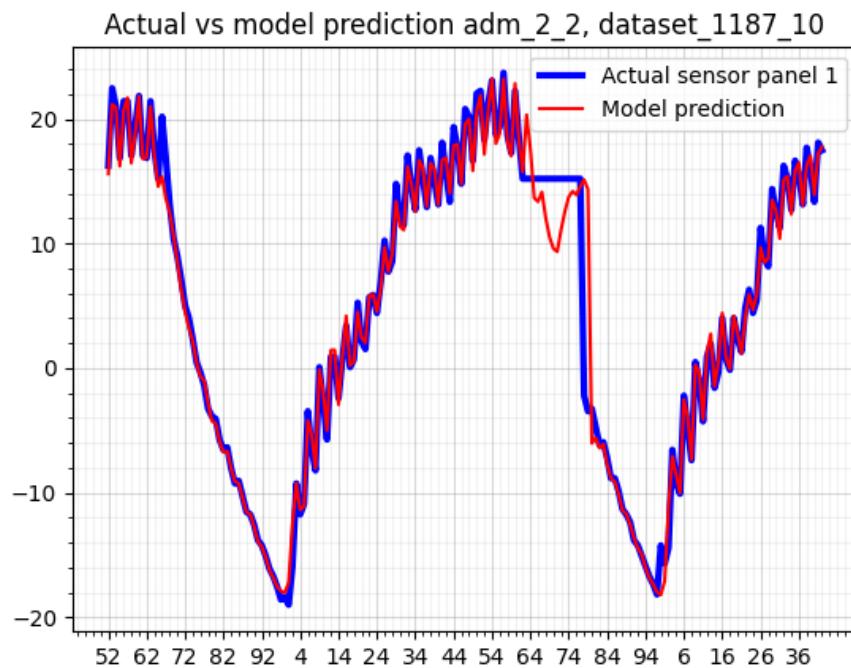
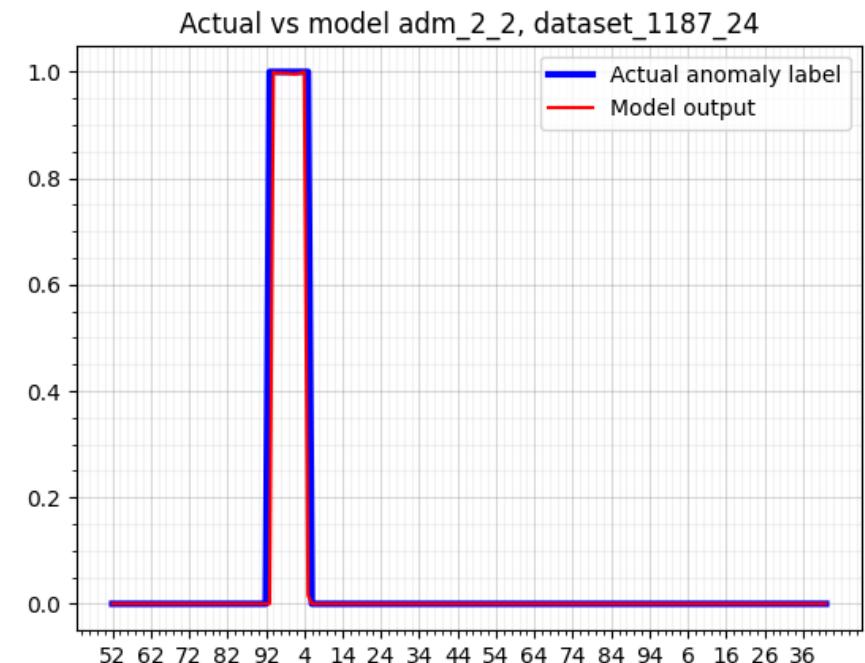
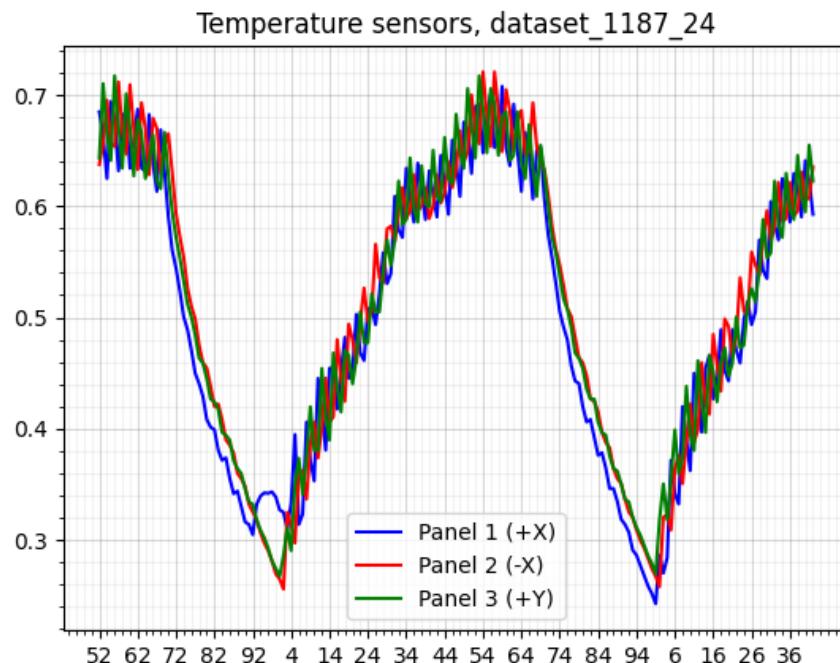


Figure 20: model inferences on dataset_1187_10_sens.png



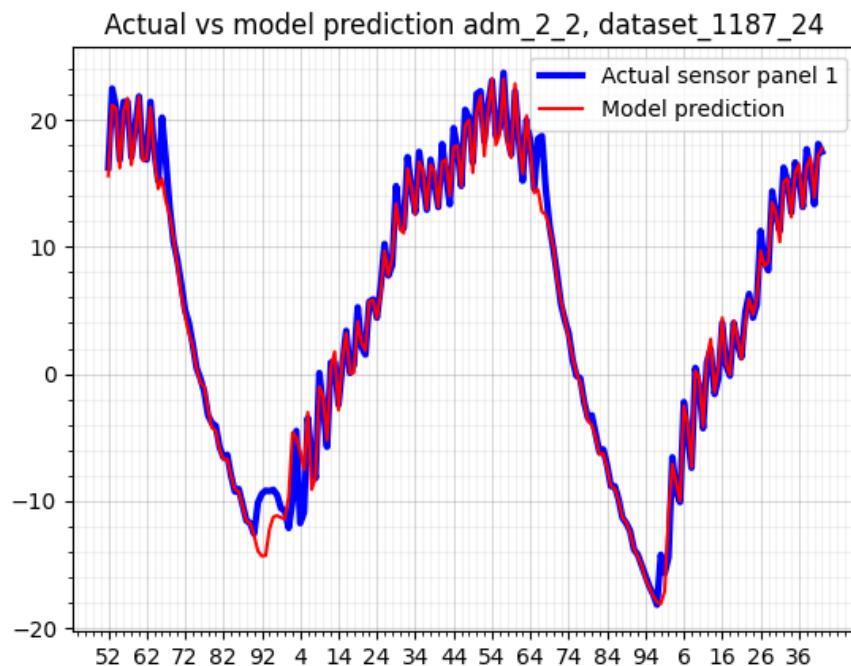
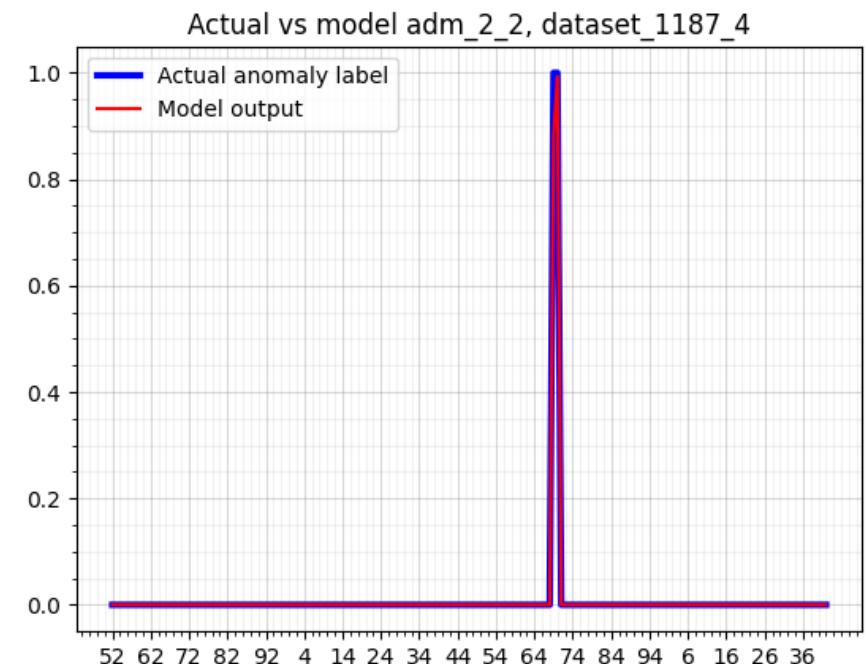
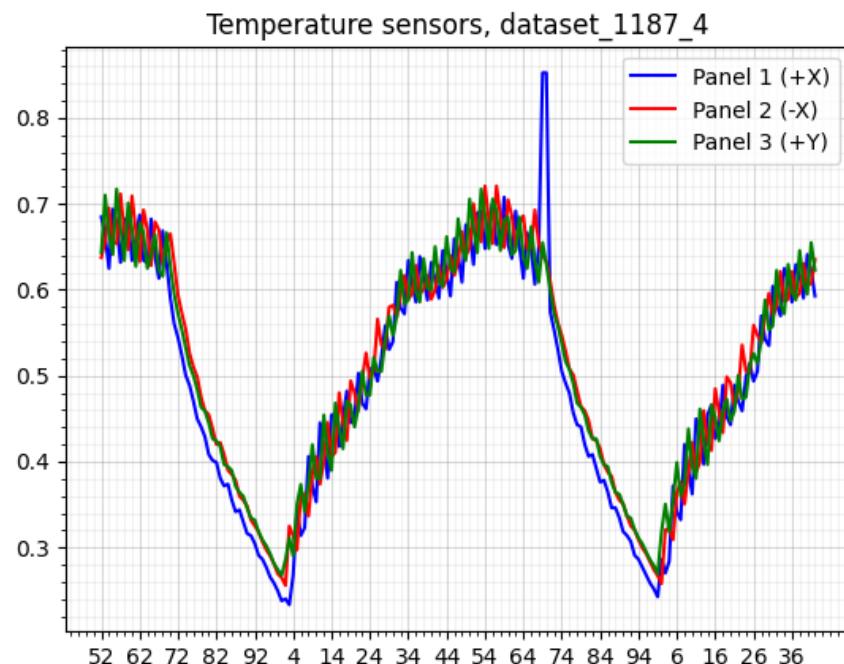


Figure 21: model inferences on dataset_1187_24_sens.png



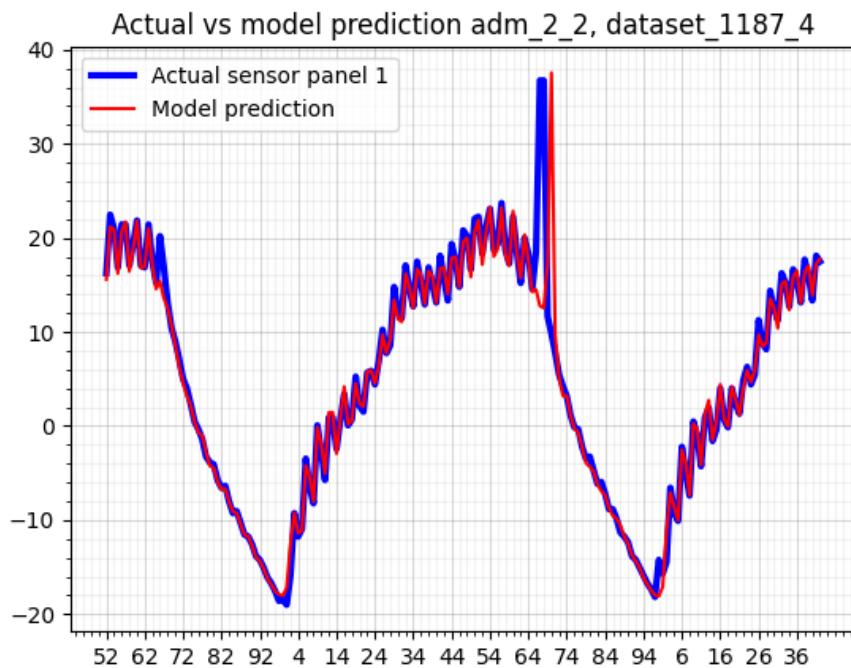
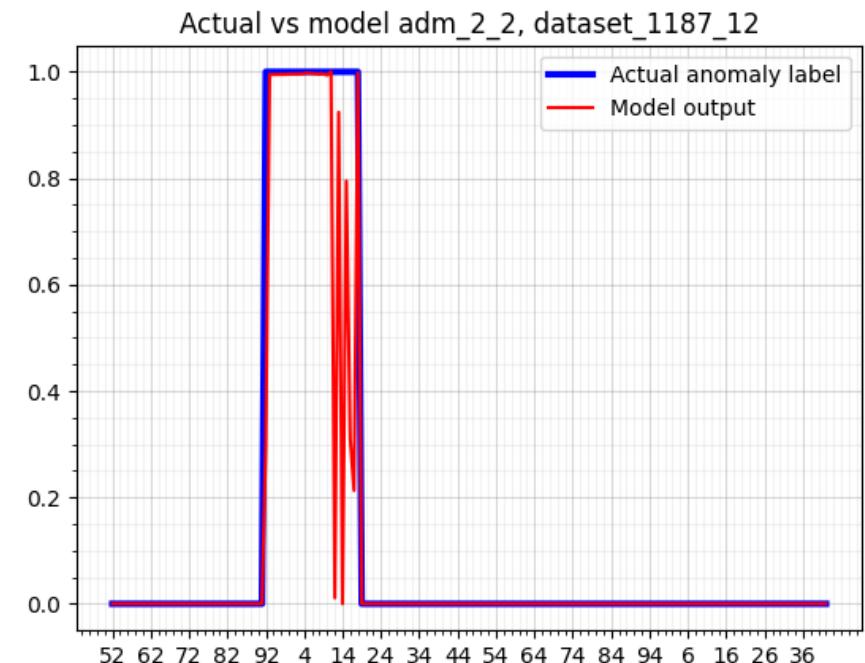
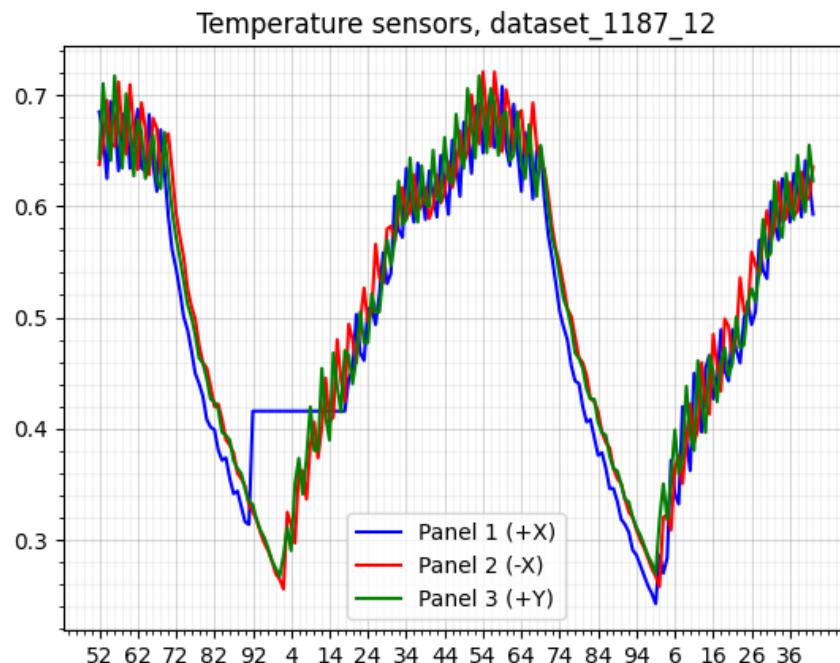


Figure 22: model inferences on dataset_1187_4_sens.png



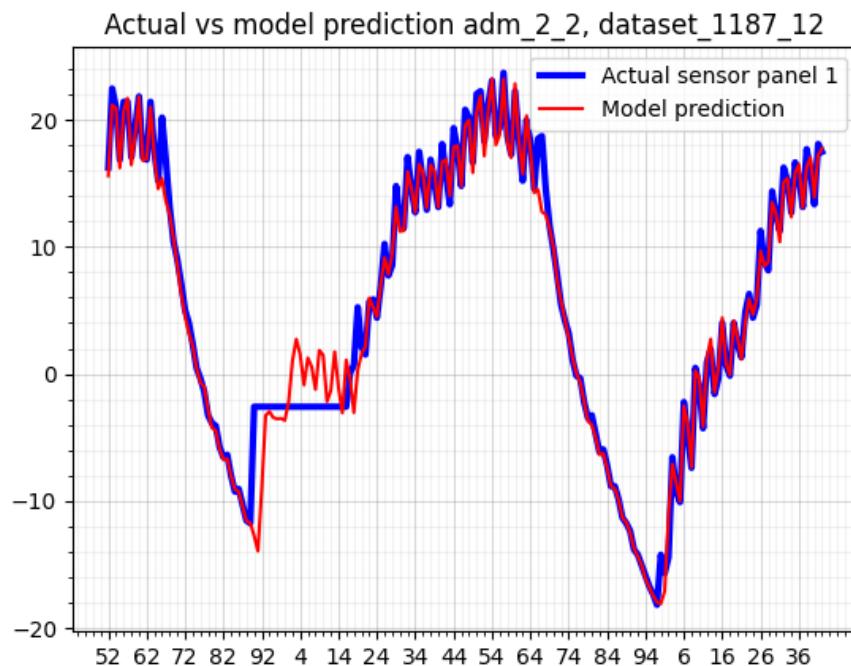
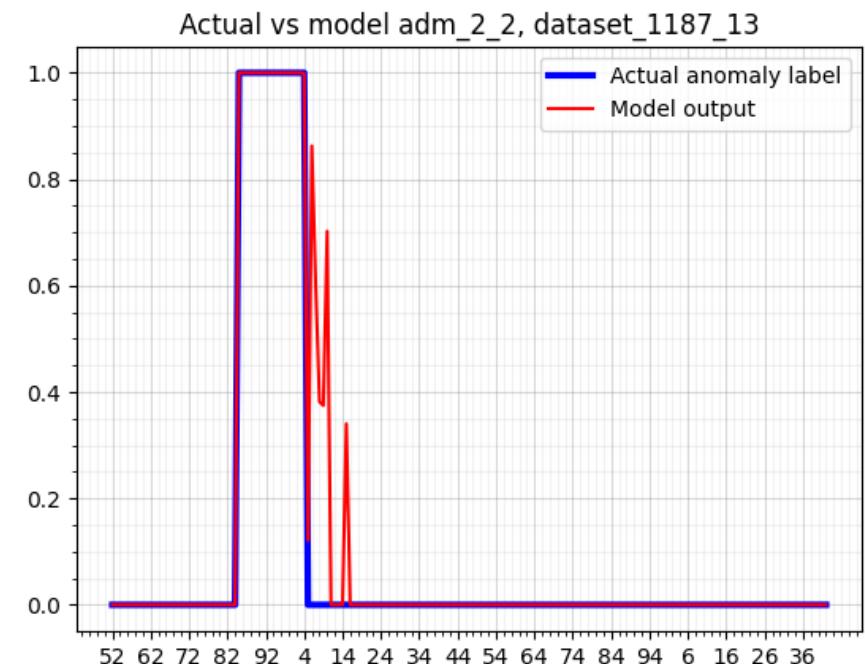
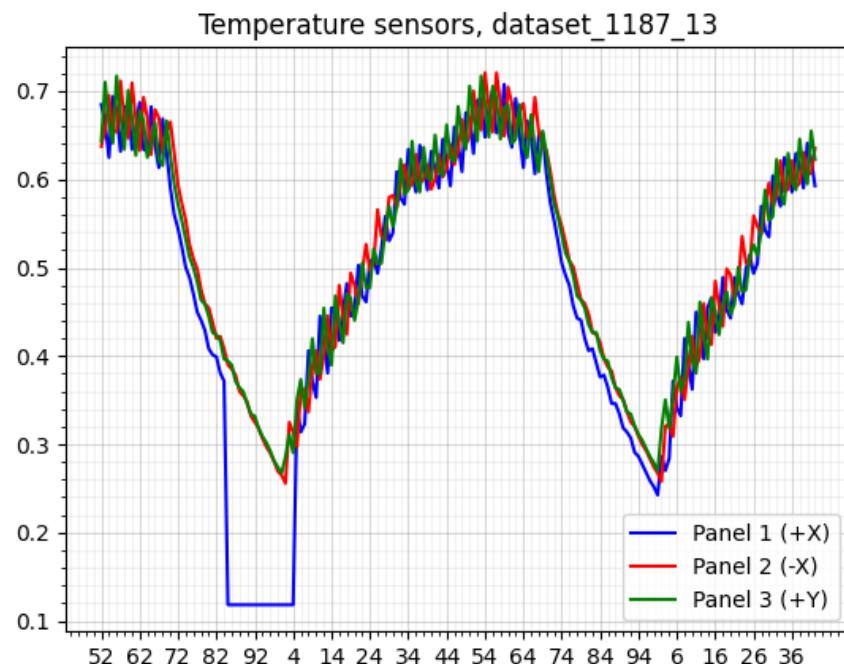


Figure 23: model inferences on dataset_1187_12_sens.png



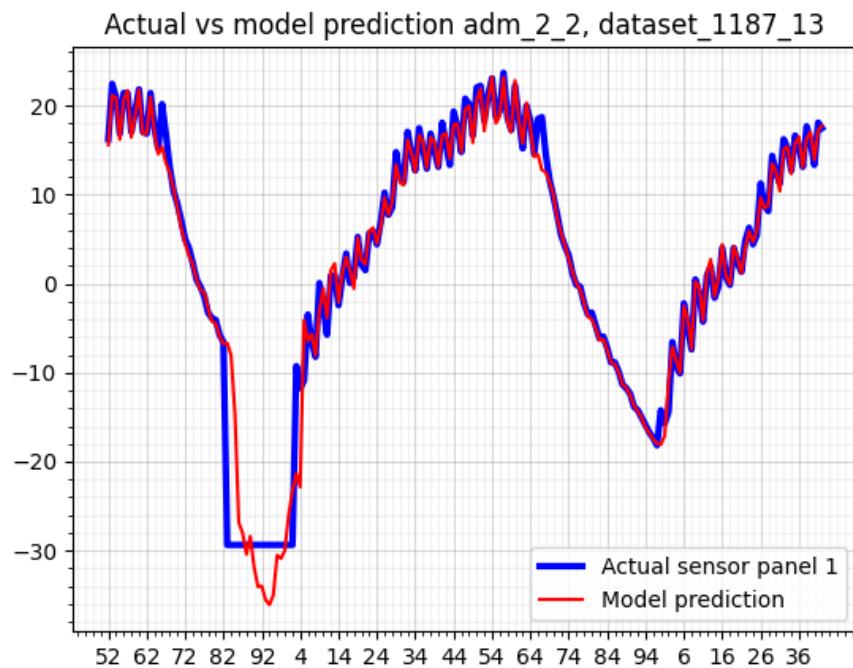
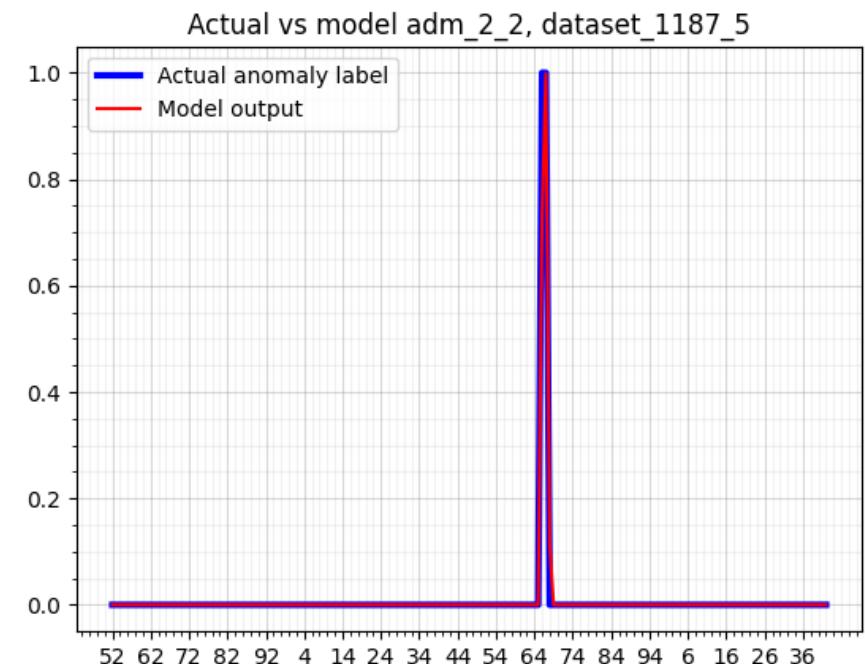
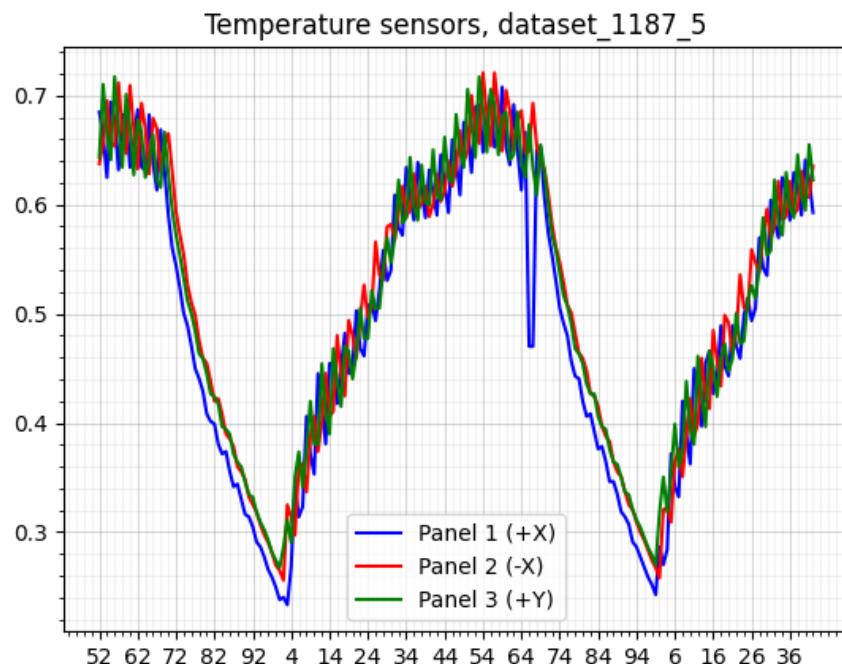


Figure 24: model inferences on dataset_1187_13_sens.png



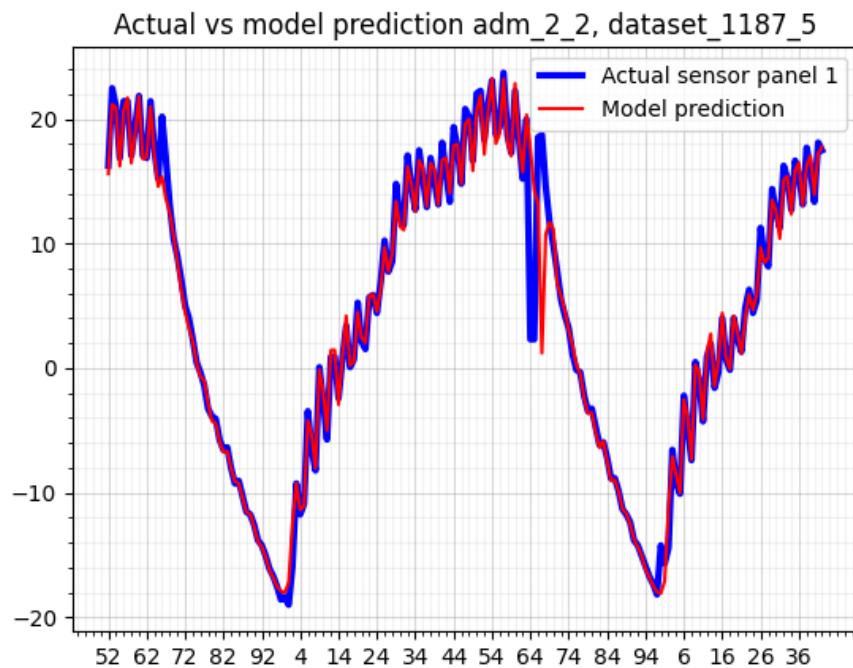
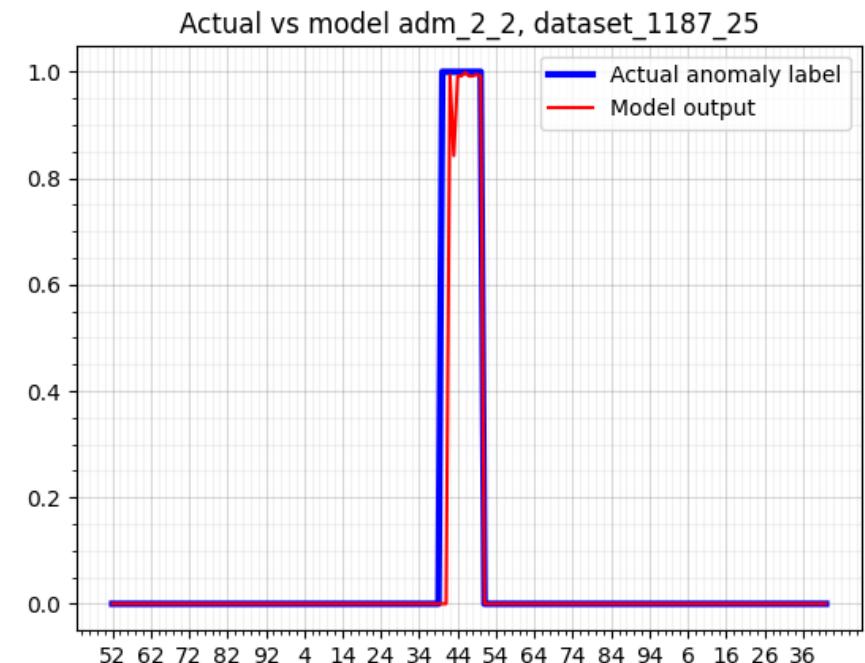
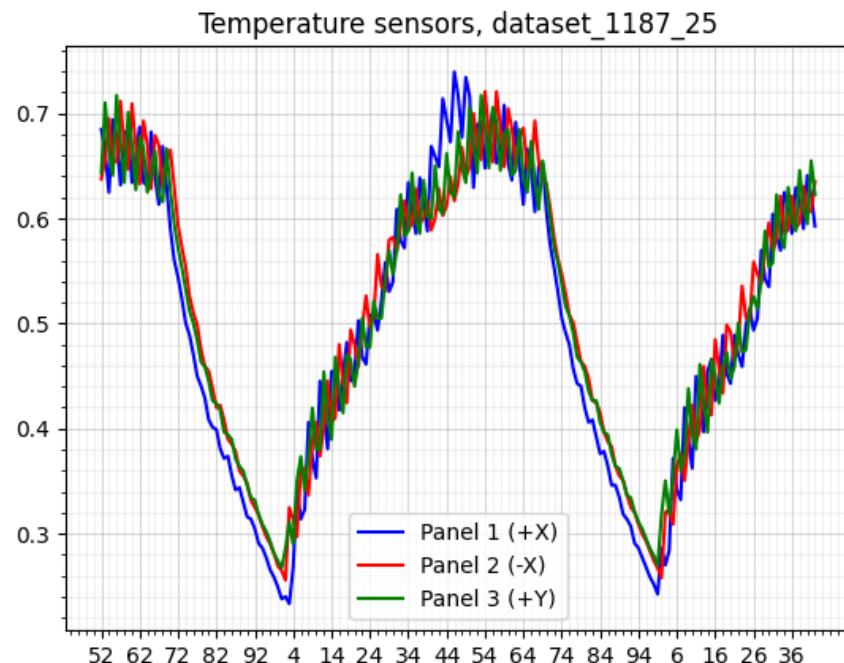


Figure 25: model inferences on dataset_1187_5_sens.png



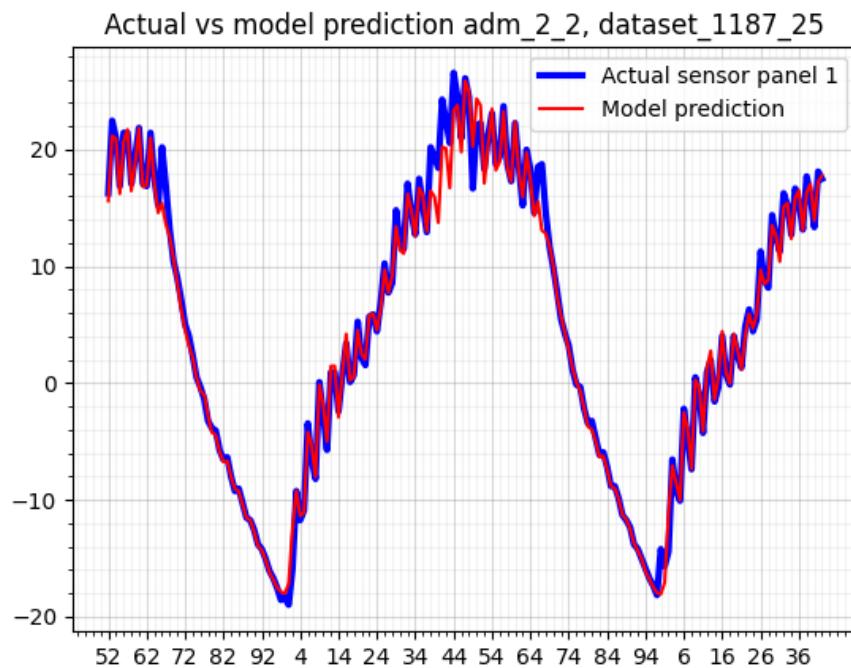


Figure 26: model inferences on dataset_1187_25_sens.png