

# TF test report 2.7

**Test time:** 22.06.2023

**Model name:** adm\_2\_7 (No threshold. follows anomalies. value limits 1/0 applied. Normalization applied.)

**Model type:** MLP

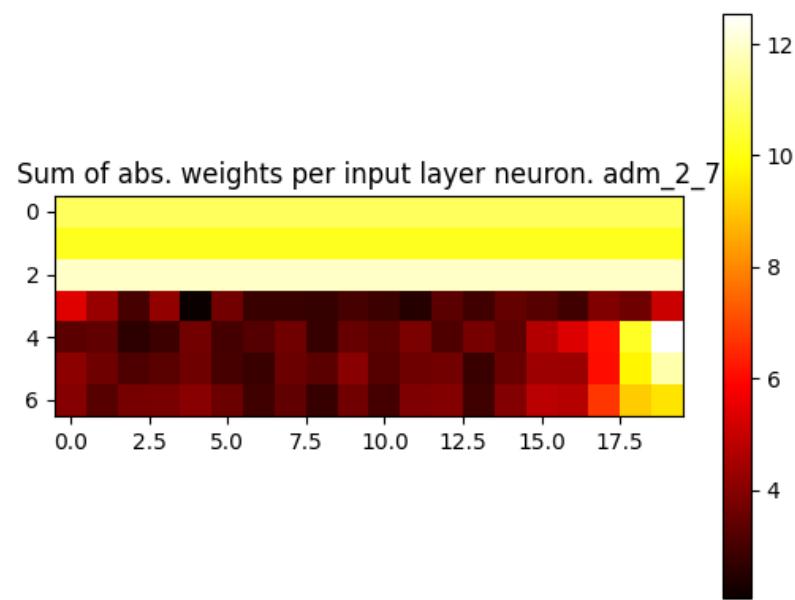
**Model description:** 83x32x32x32x6 MLP to detect anomalies on 3 panels based on the previous 20 points from 3 panels + 20 time points + derivatives of 3 panels.  
Tested on previously unseen data. Trained to detect sensor spikes, const regions, temp shifts and bumps

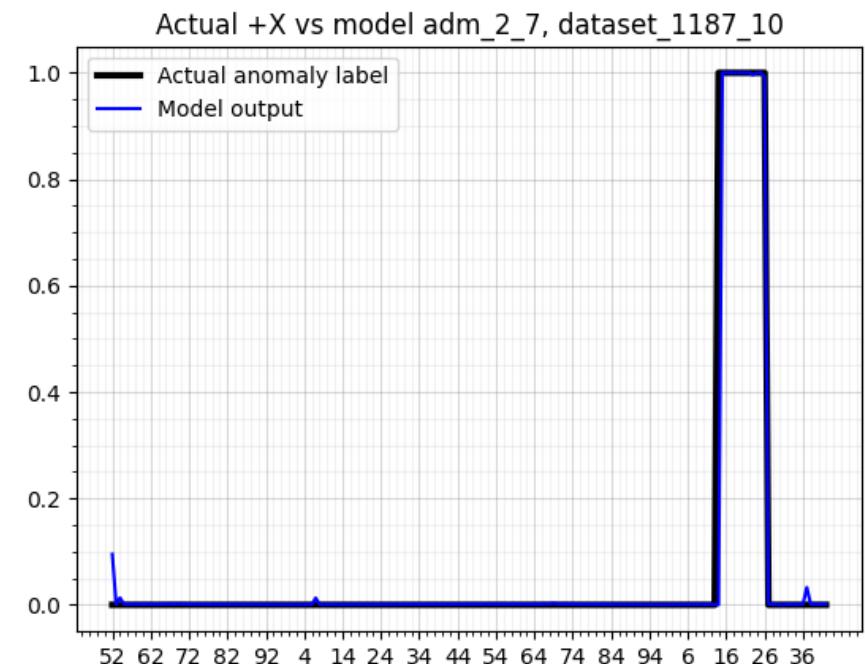
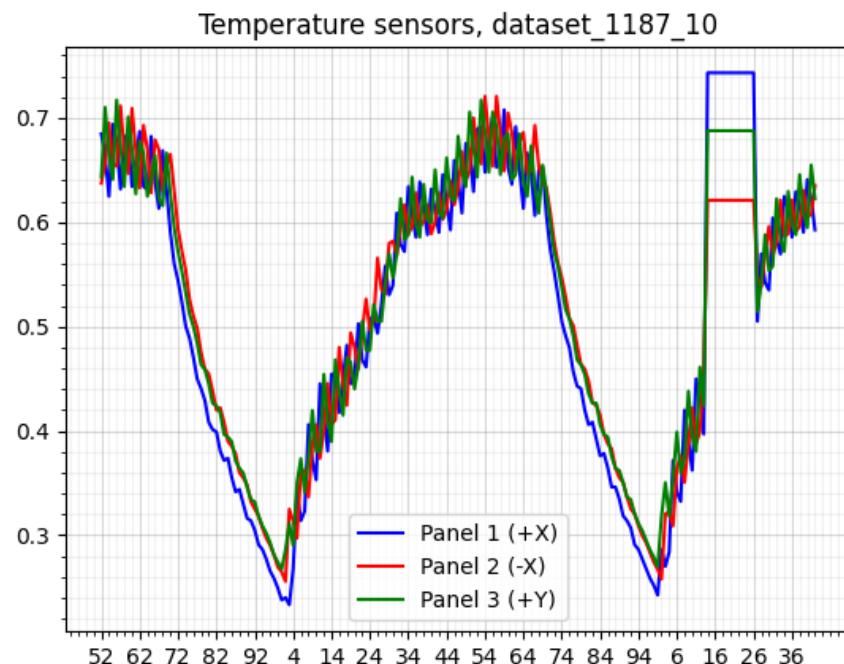
**Model data size:** NA

## Test results:

**Accuracy on NO anomalies (0): 0.9927**

**Accuracy on ANOMALIES (1): 0.9171**





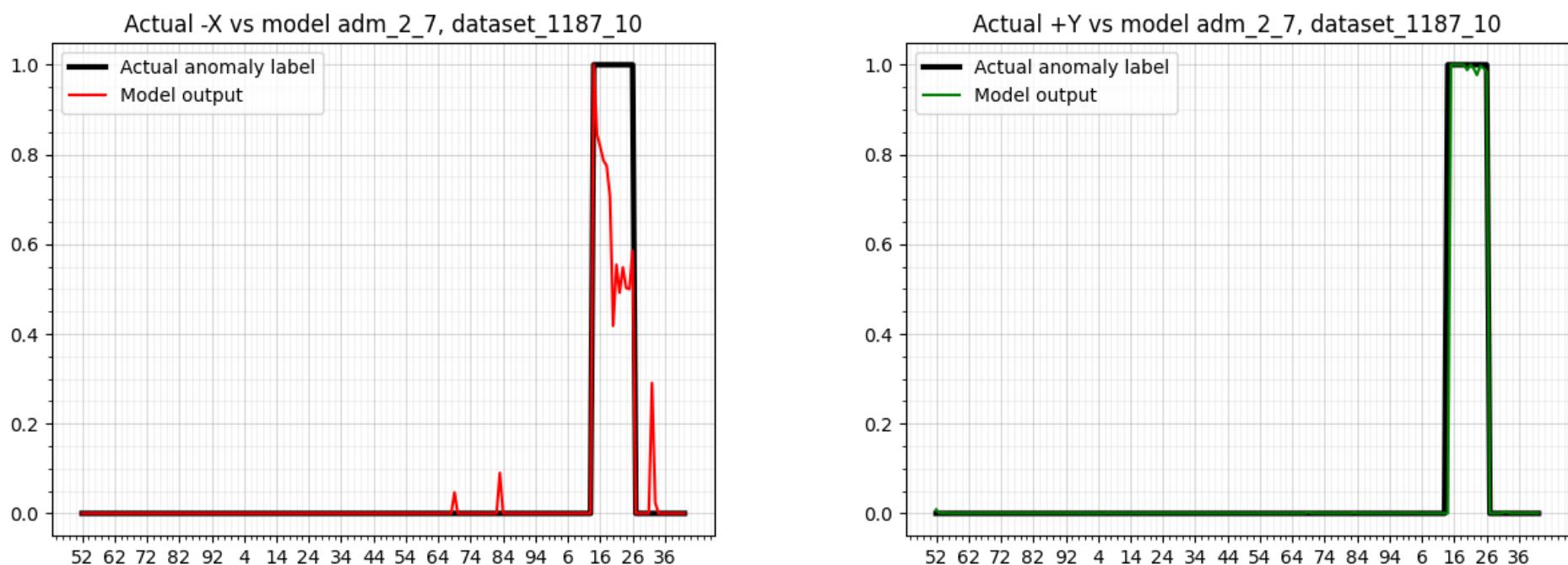
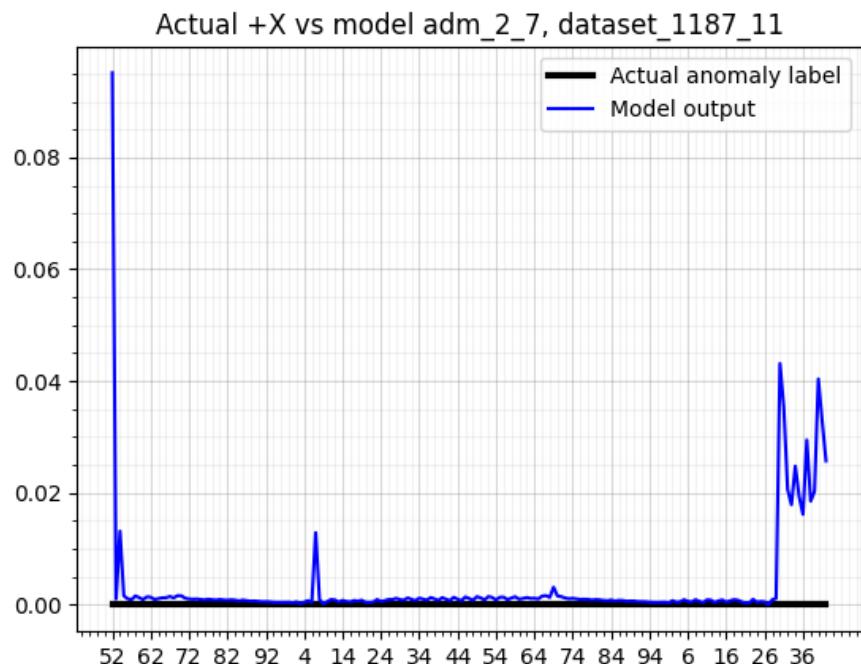
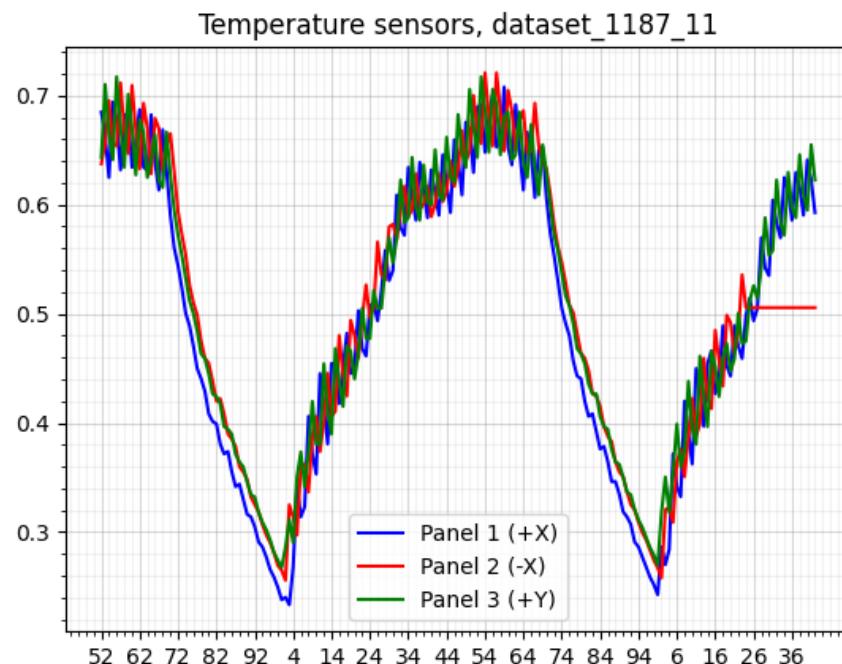


Figure 1: model inferences on dataset\_1187\_10\_sens.png



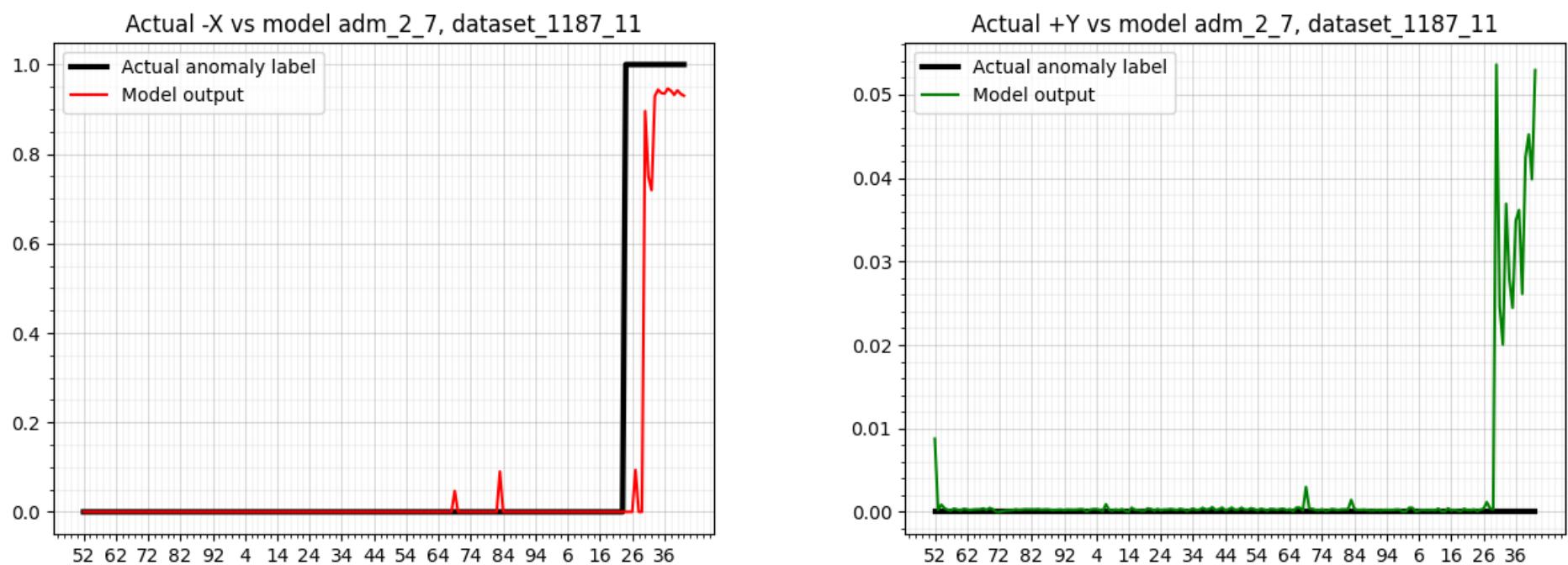
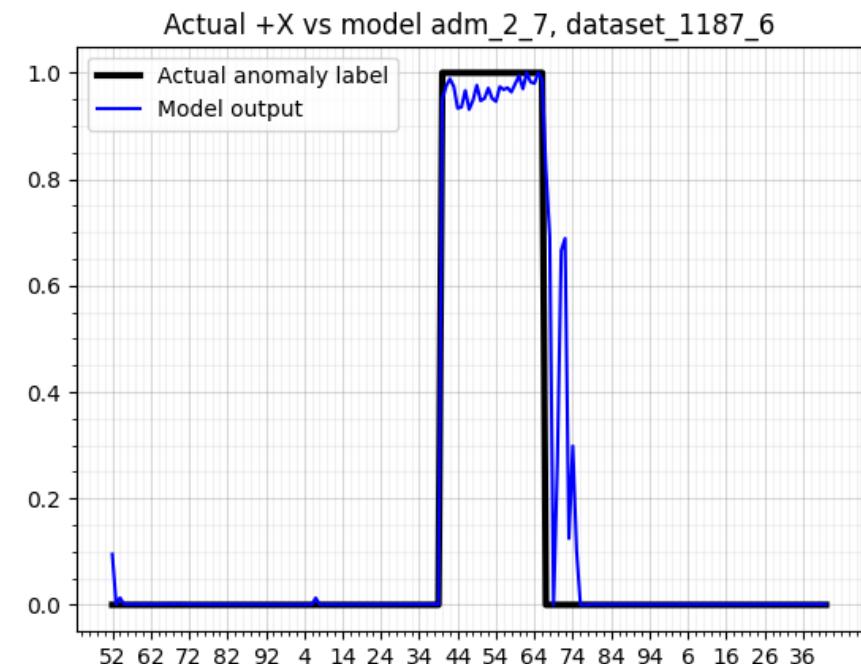
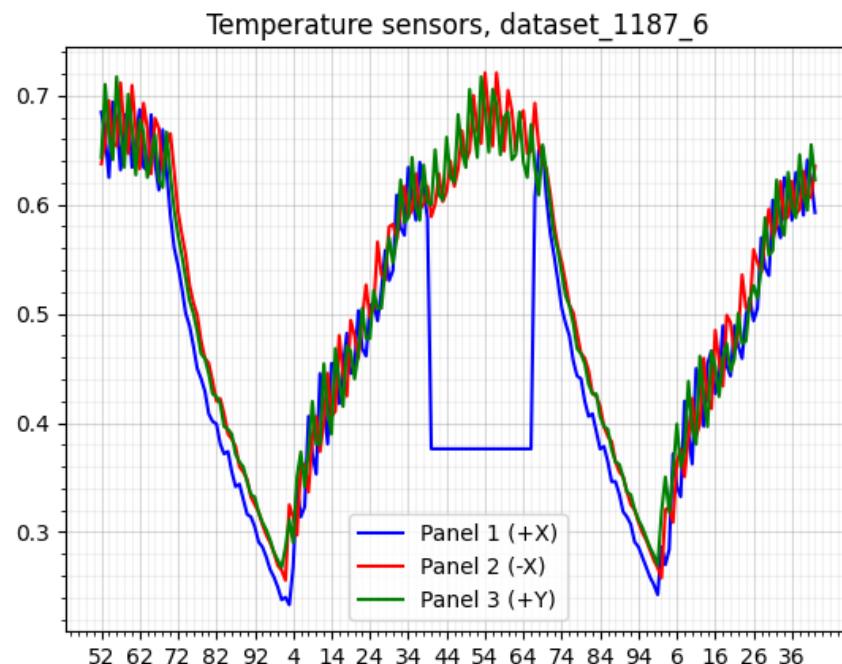


Figure 2: model inferences on dataset\_1187\_11\_sens.png



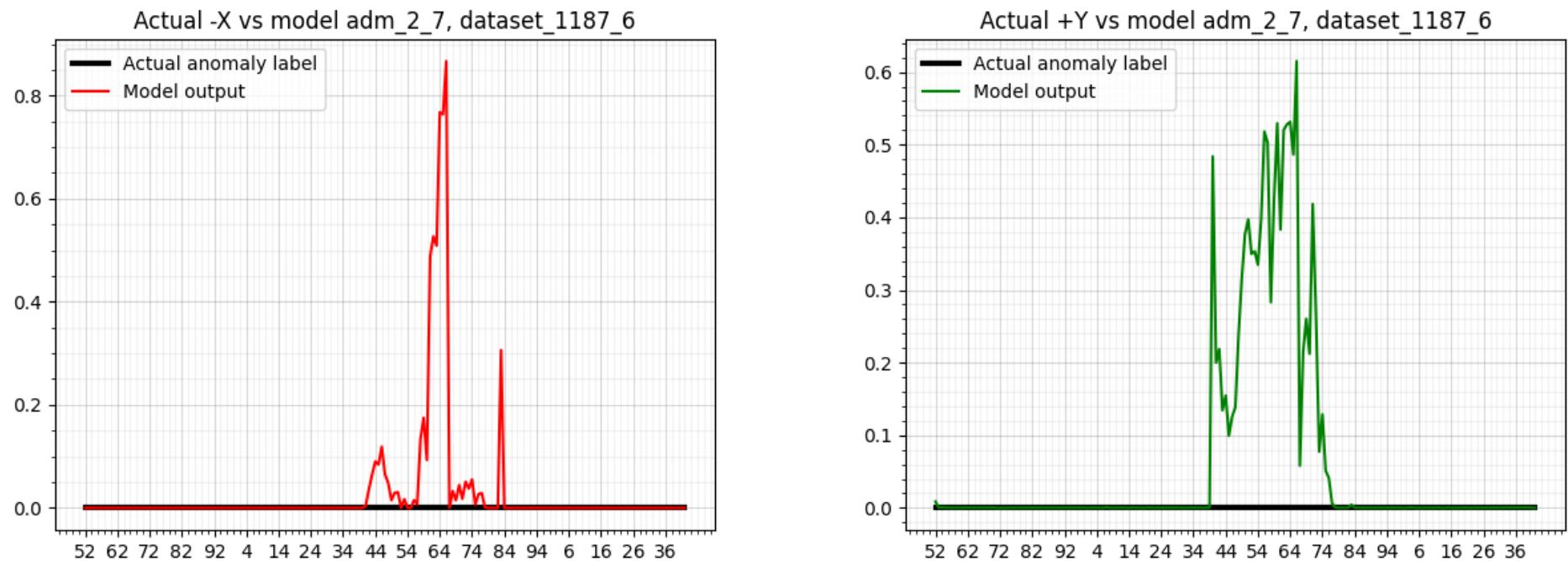
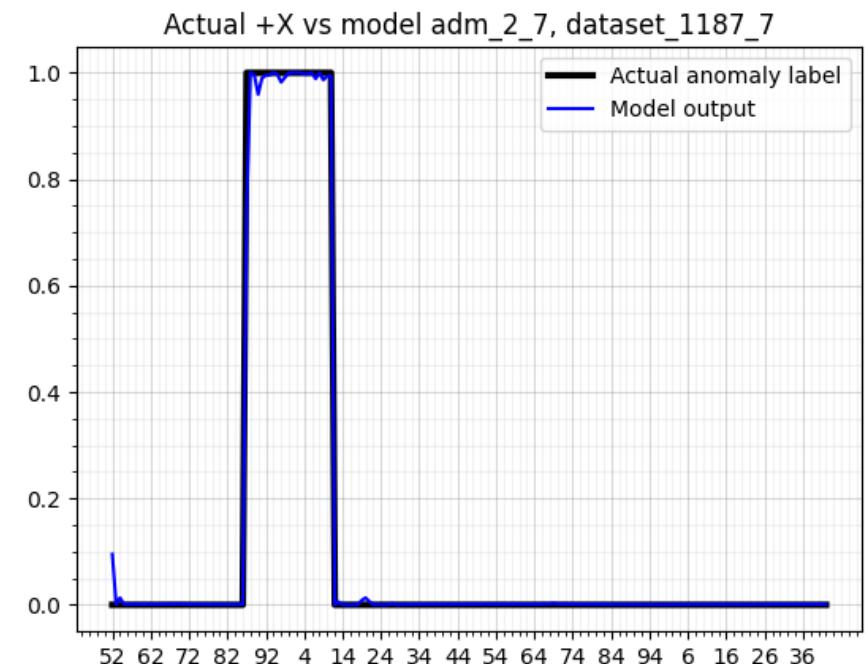
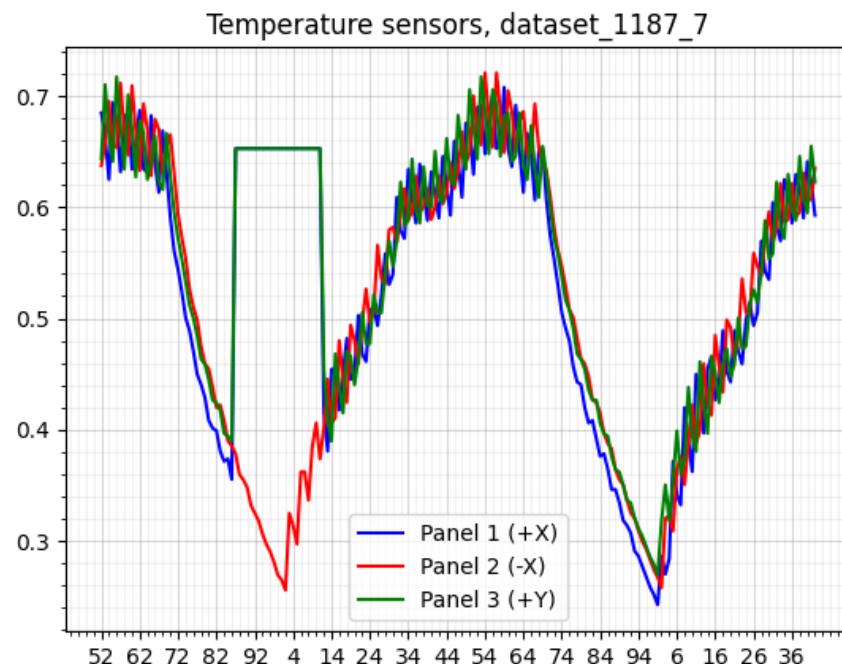


Figure 3: model inferences on dataset\_1187\_6\_sens.png



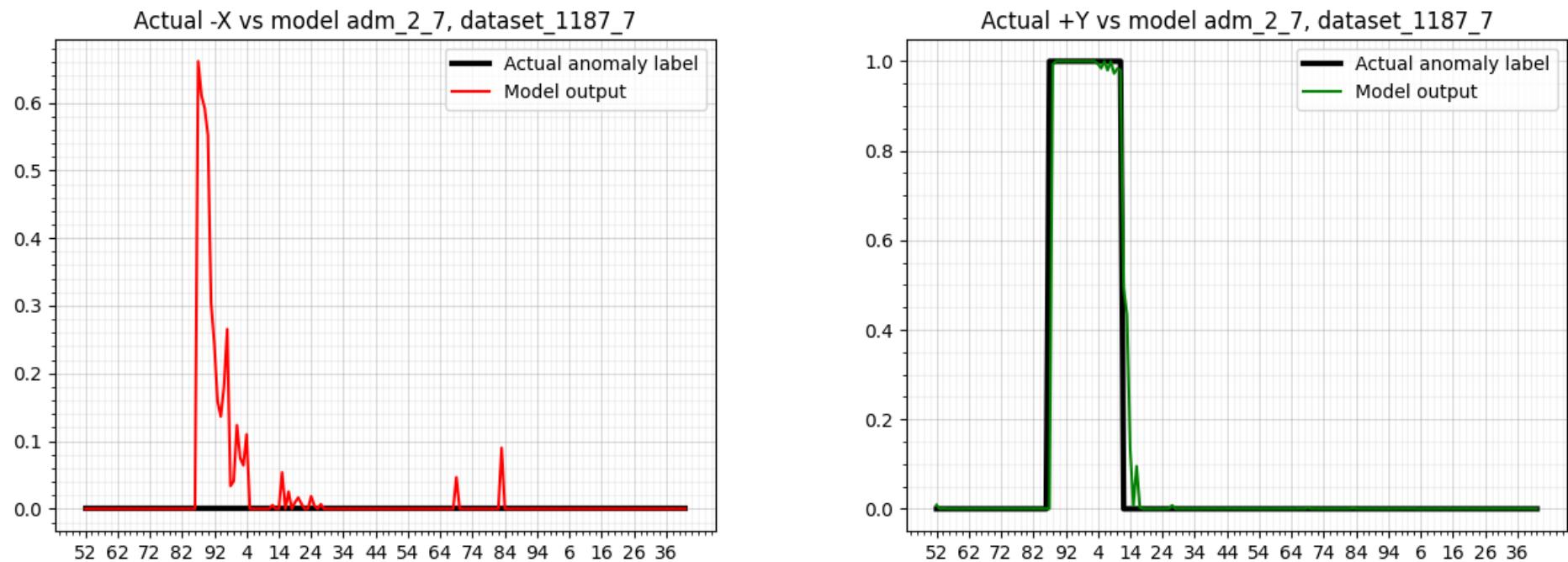
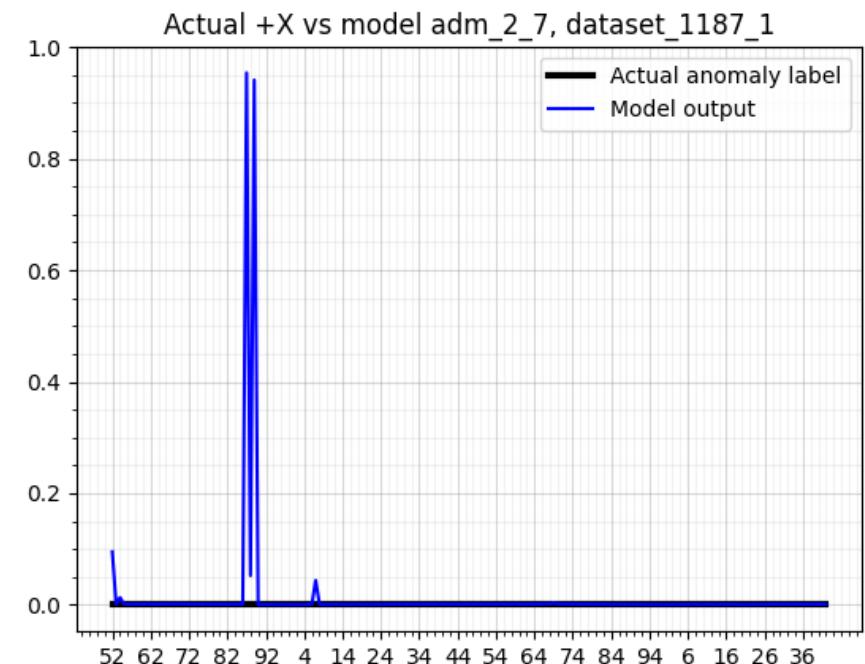
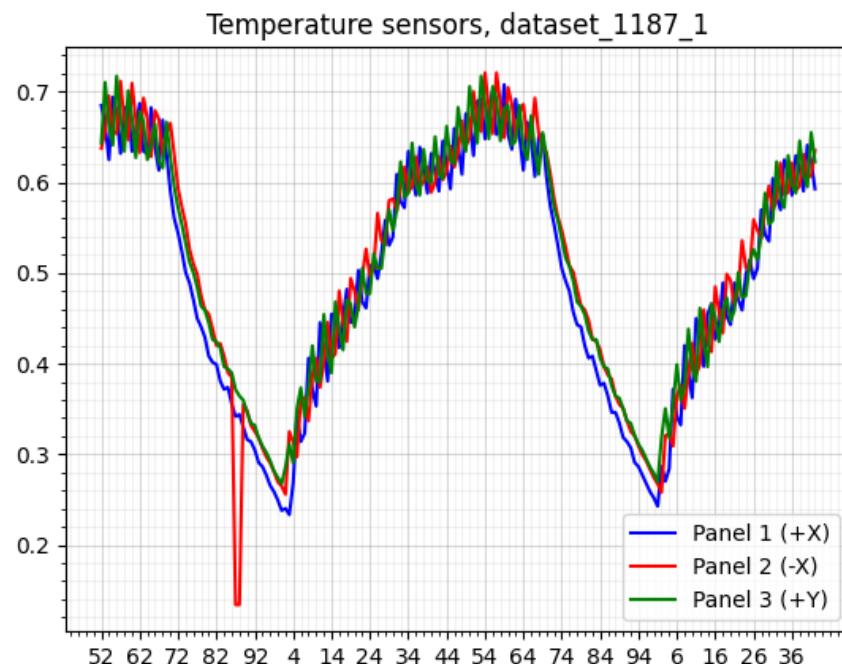


Figure 4: model inferences on dataset\_1187\_7\_sens.png



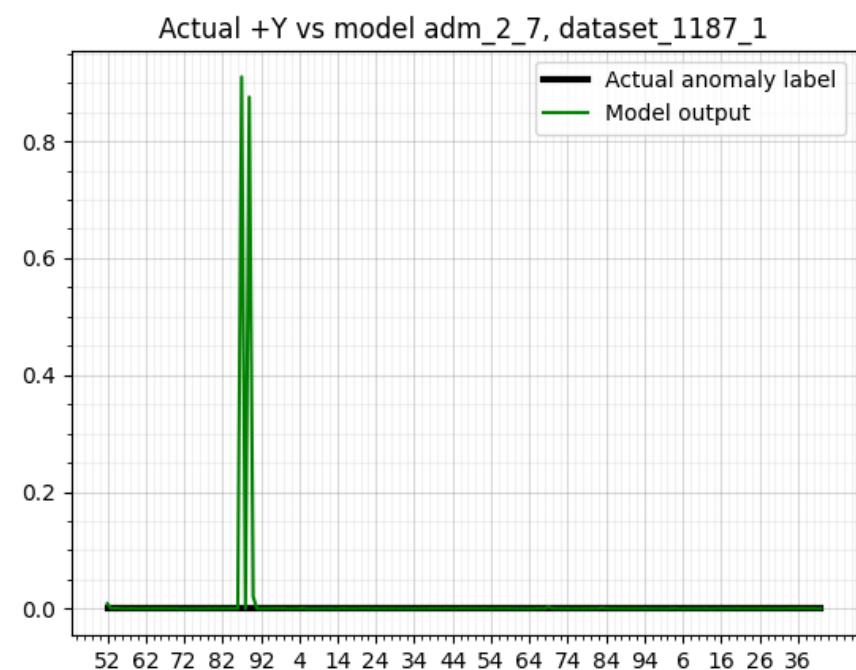
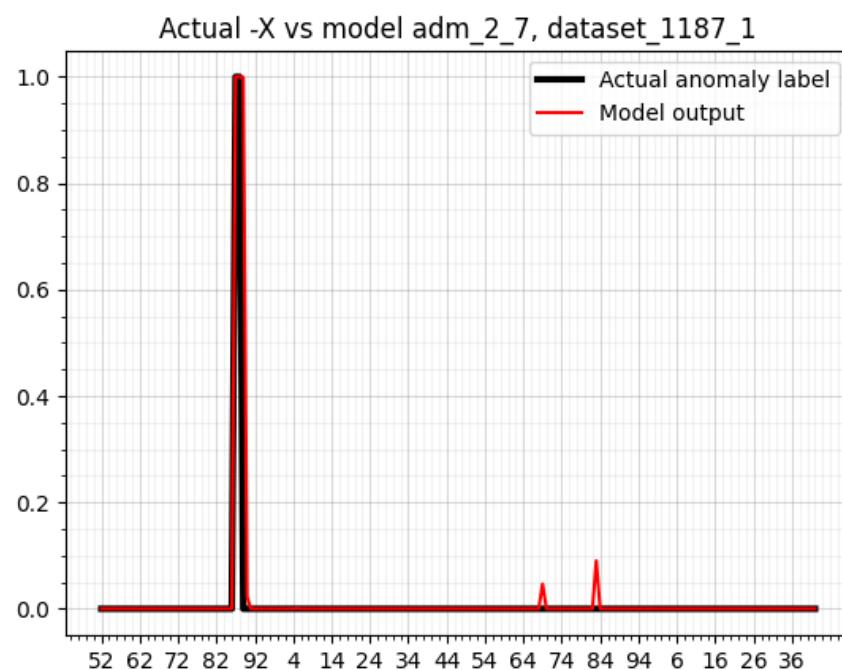
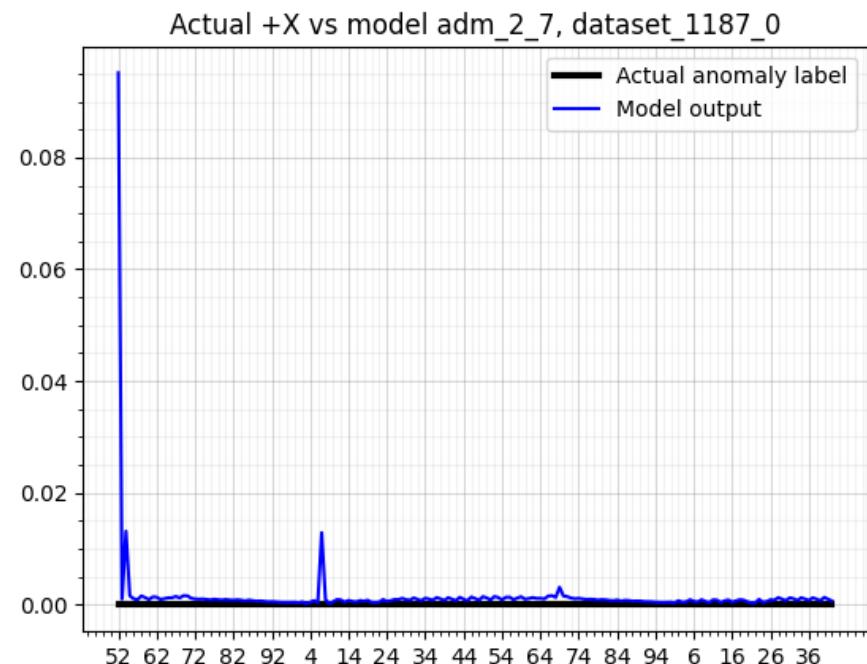
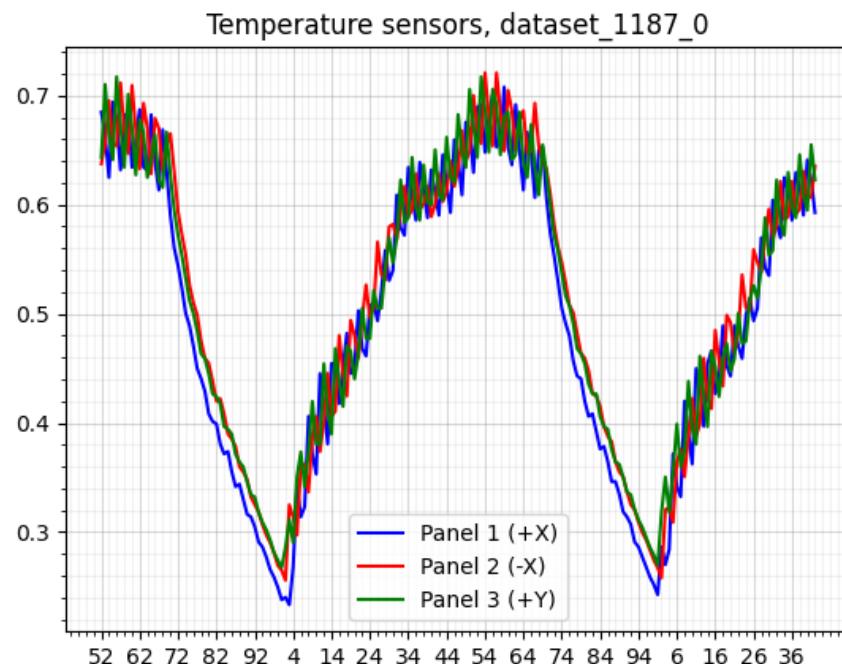
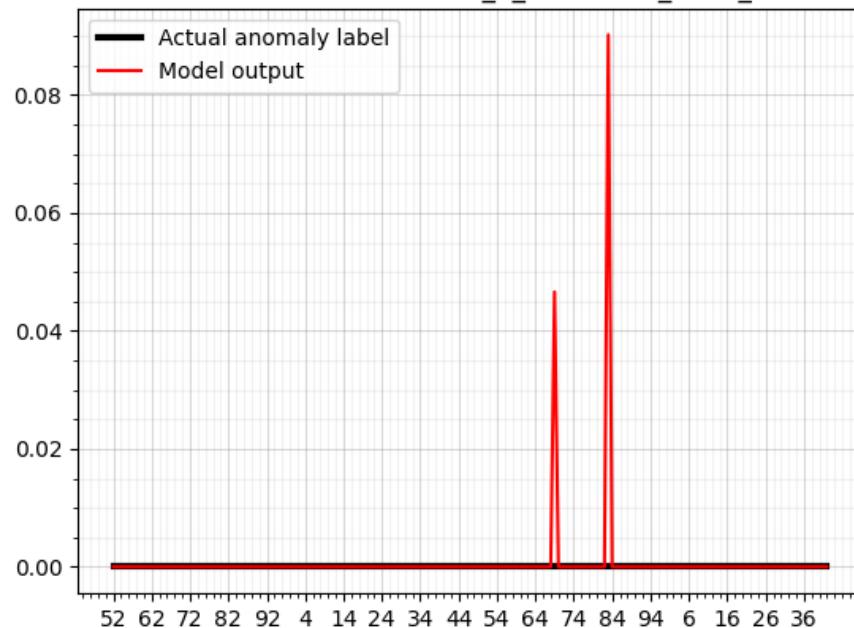


Figure 5: model inferences on dataset\_1187\_1\_sens.png



Actual -X vs model adm\_2\_7, dataset\_1187\_0



Actual +Y vs model adm\_2\_7, dataset\_1187\_0

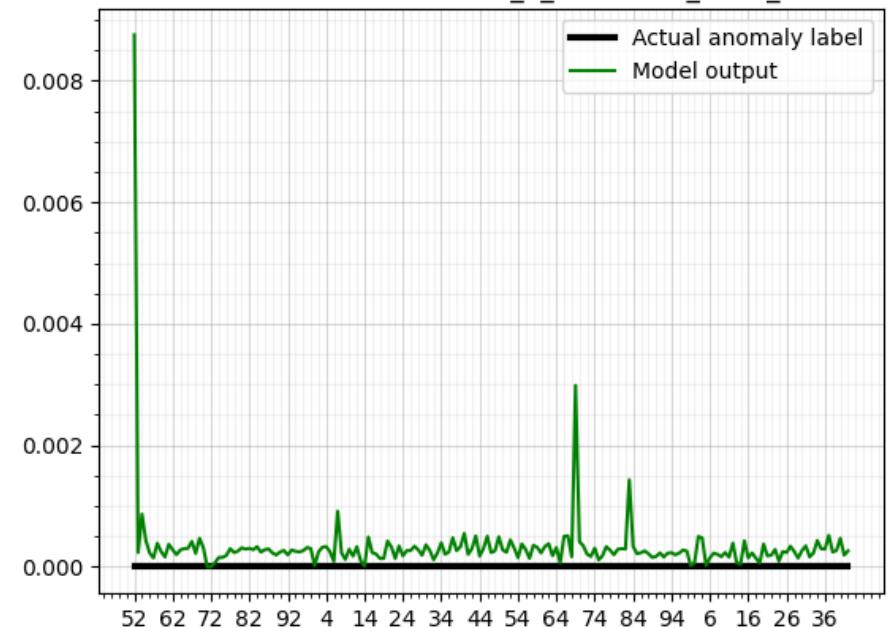
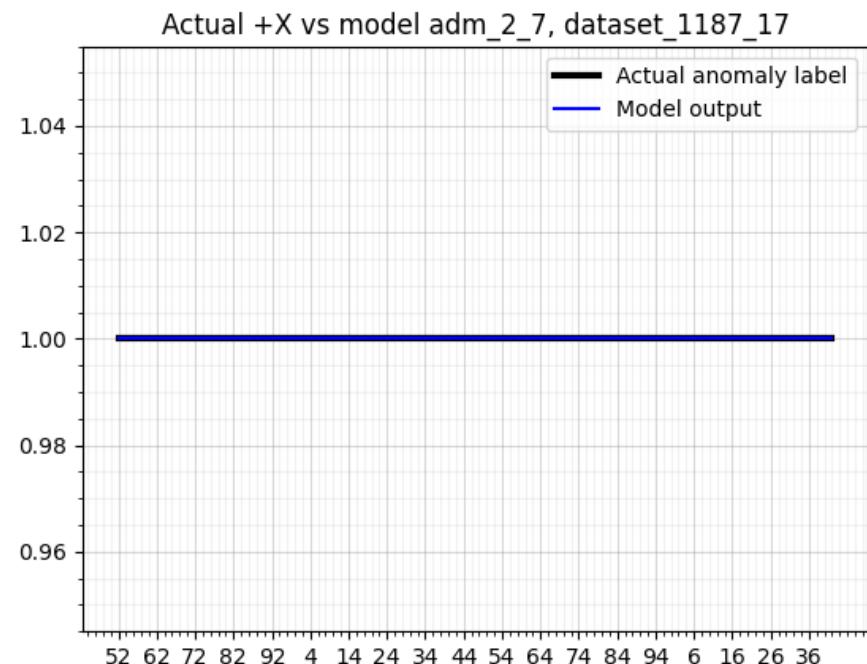
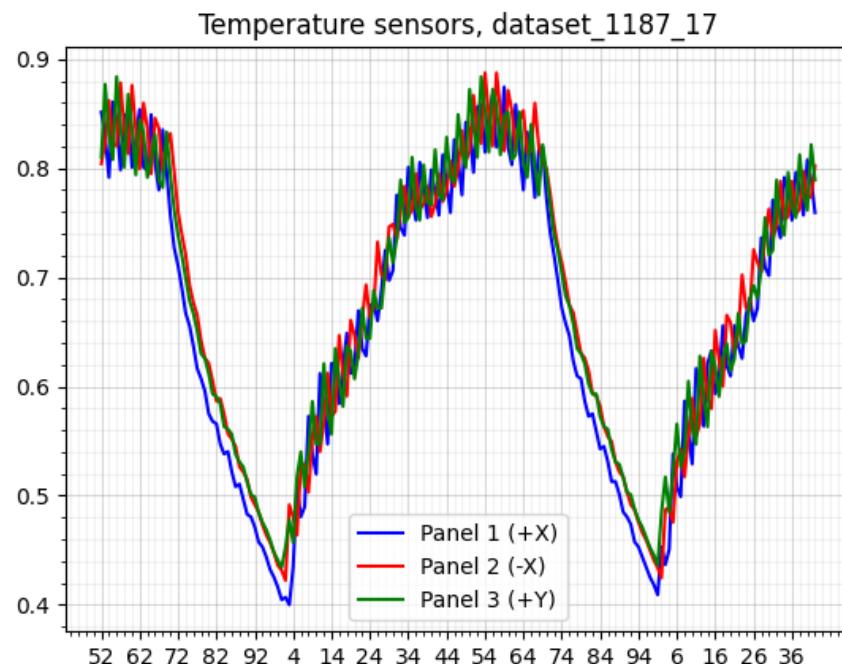


Figure 6: model inferences on dataset\_1187\_0\_sens.png



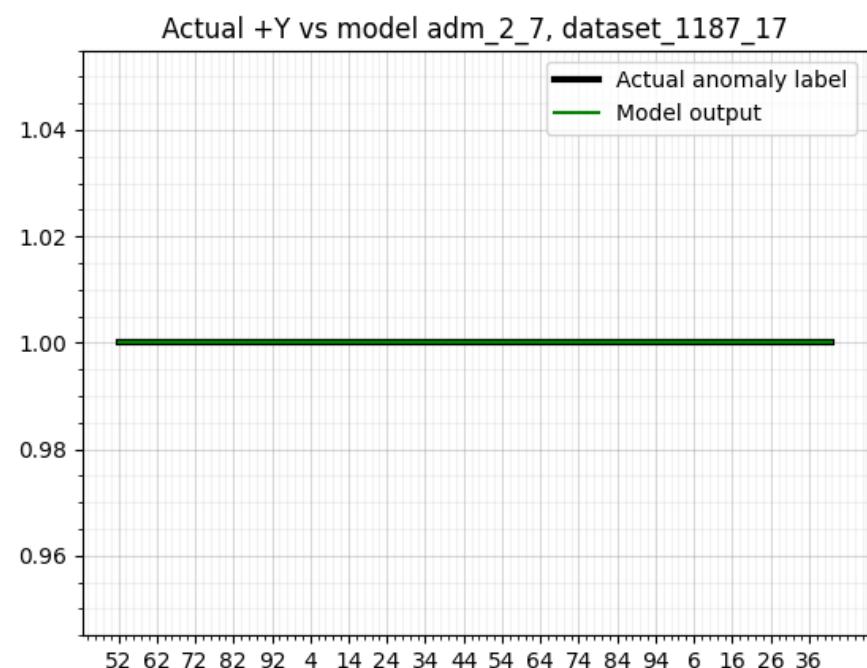
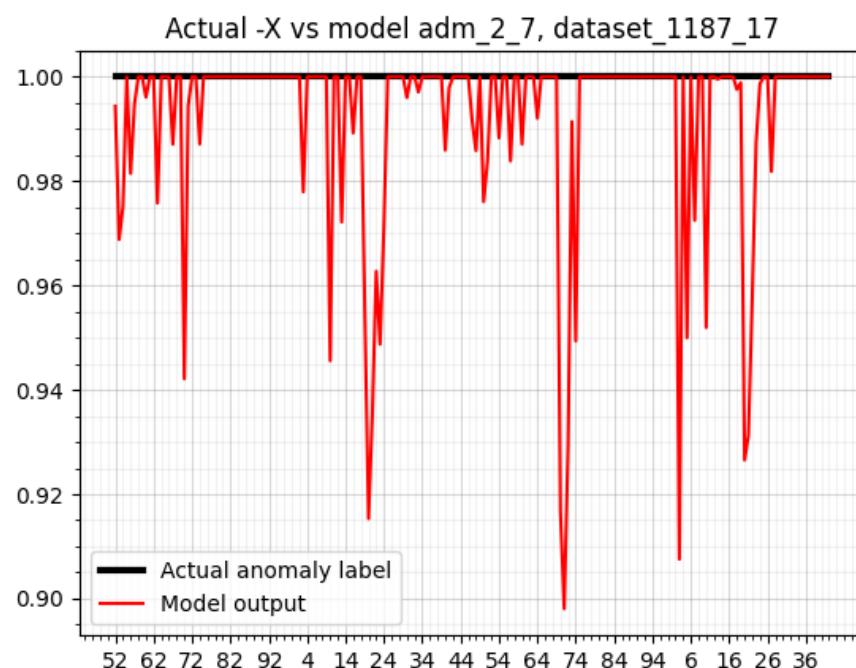
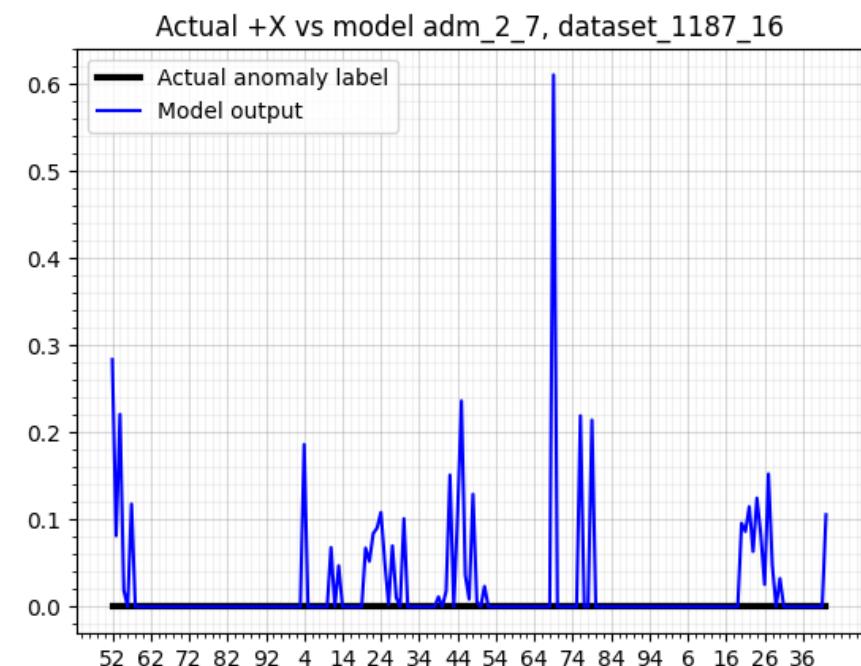
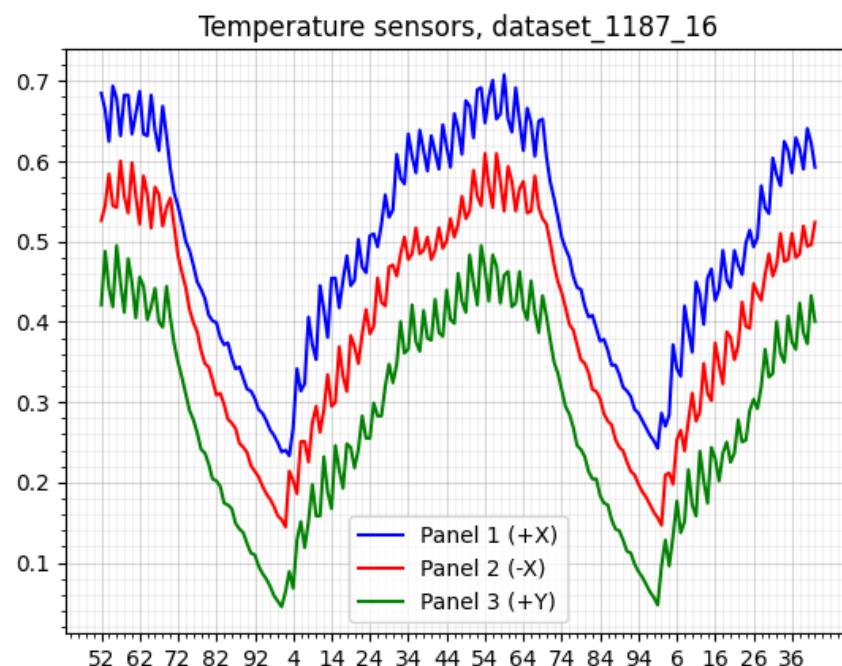


Figure 7: model inferences on dataset\_1187\_17\_sens.png



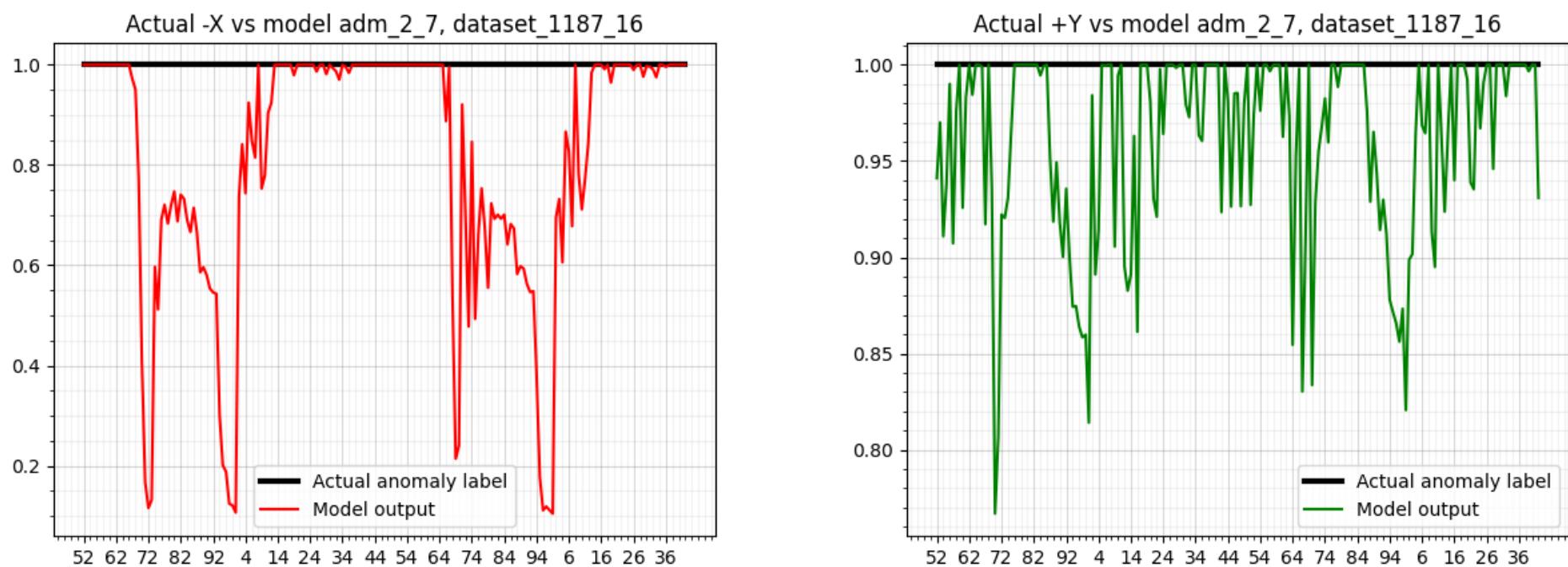
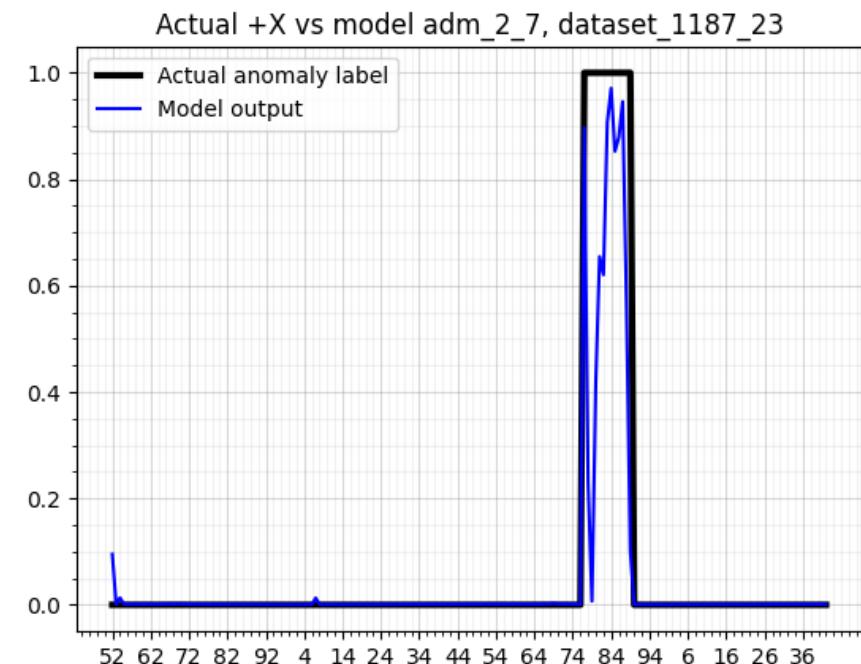
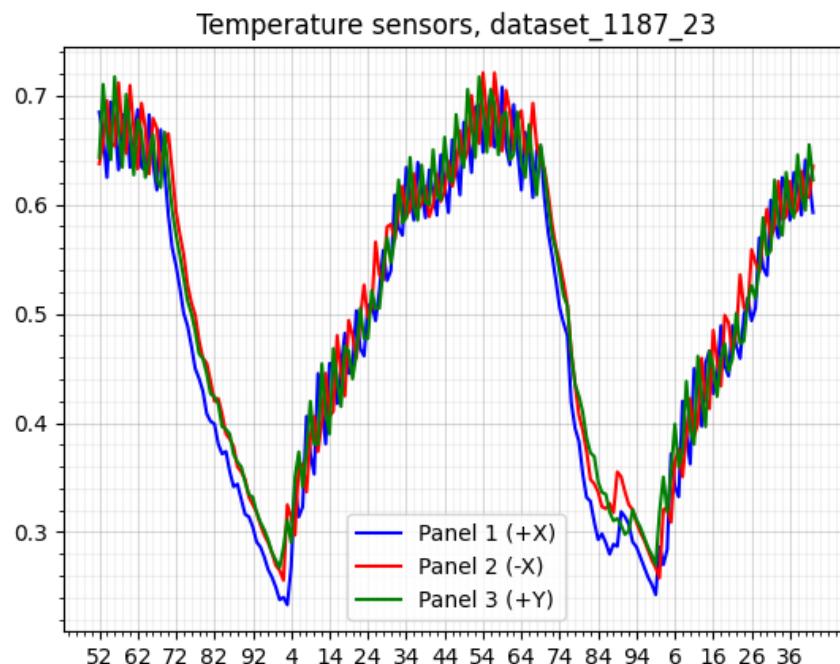


Figure 8: model inferences on dataset\_1187\_16\_sens.png



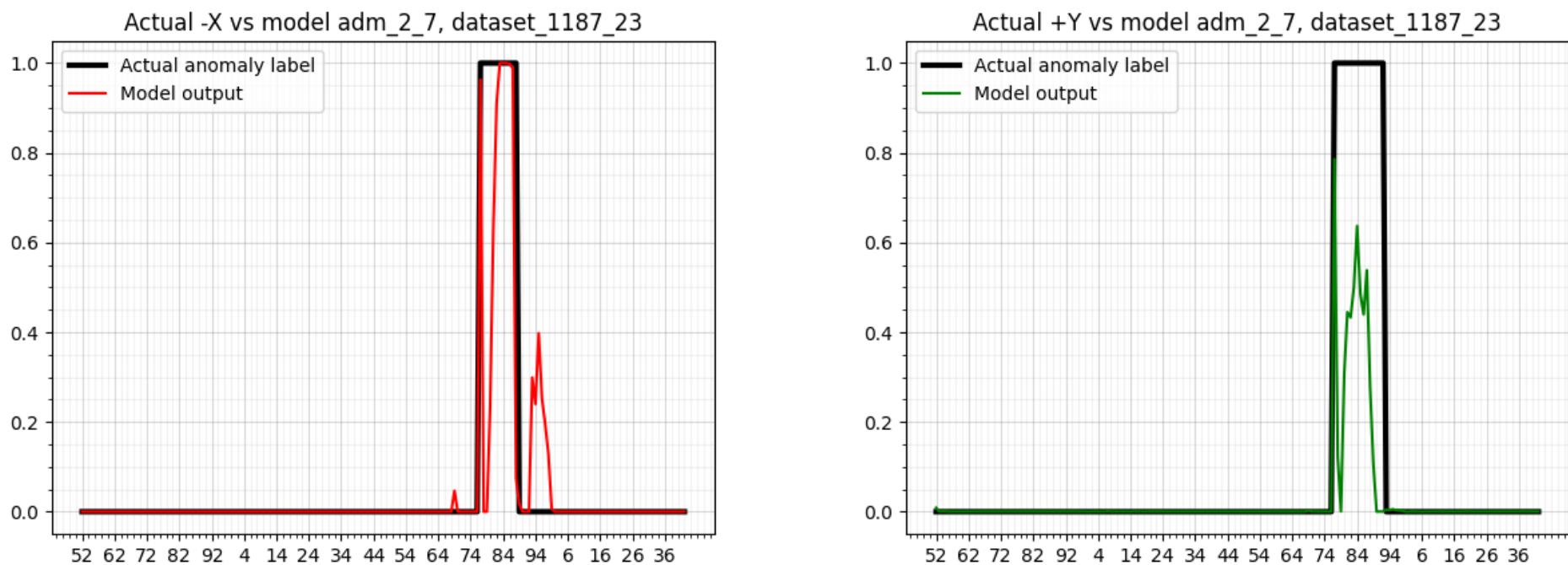
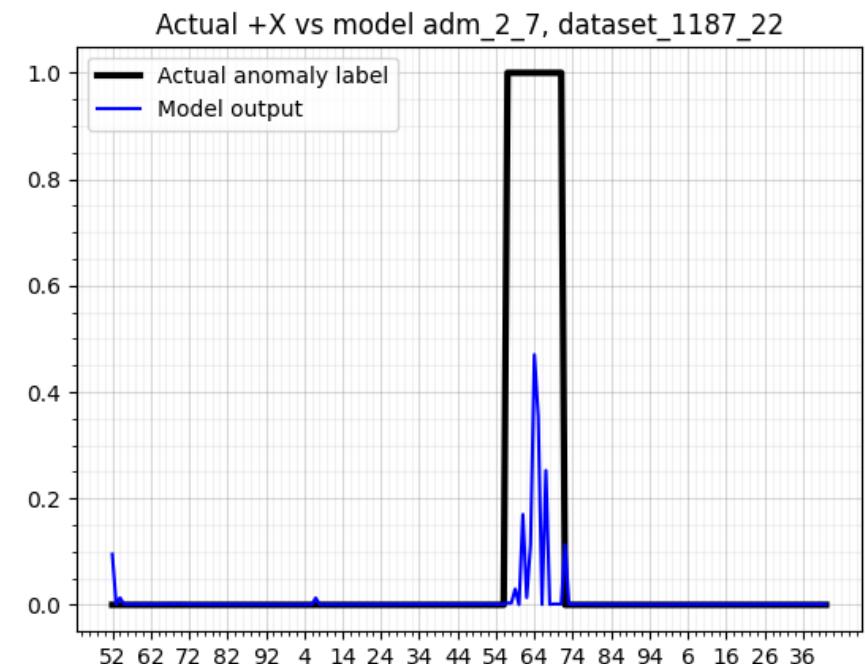
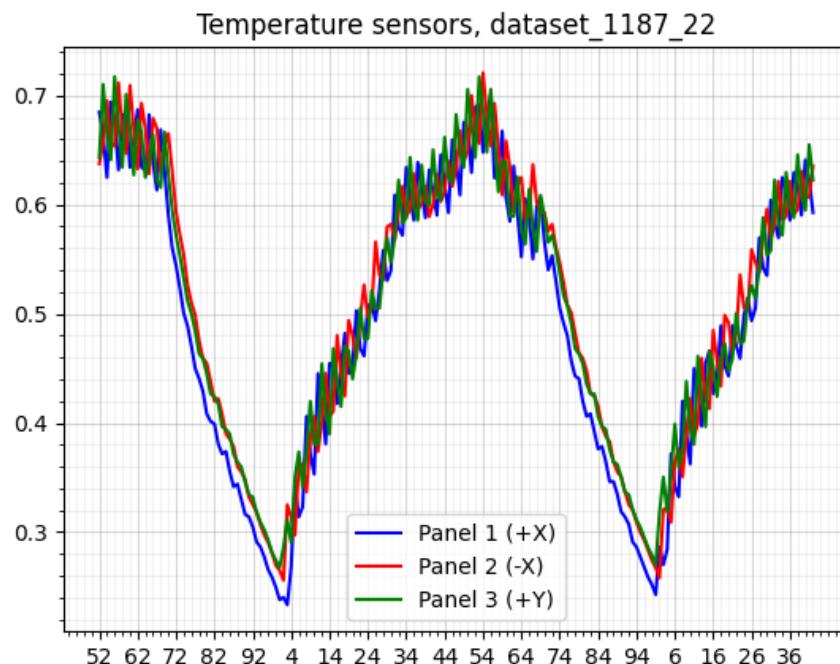


Figure 9: model inferences on dataset\_1187\_23\_sens.png



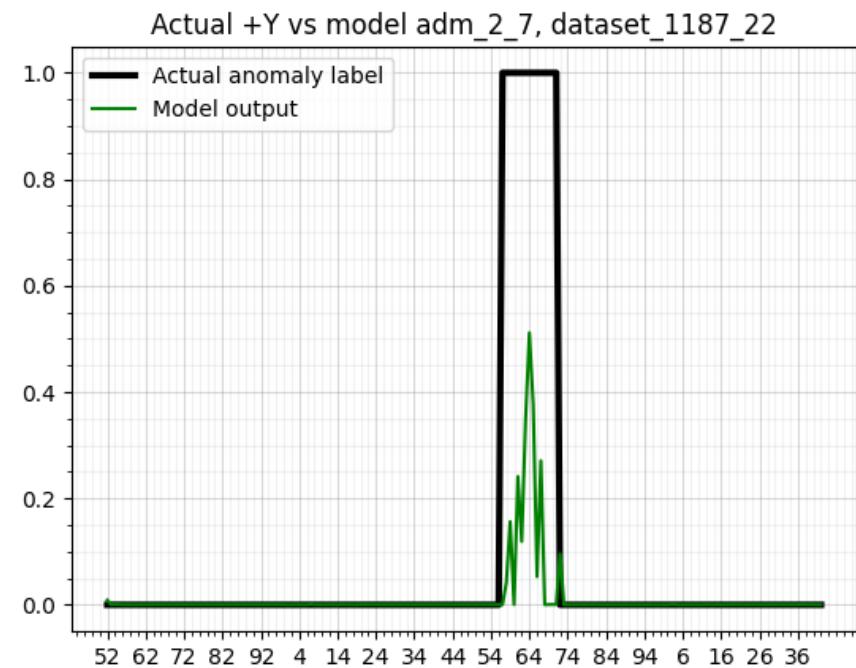
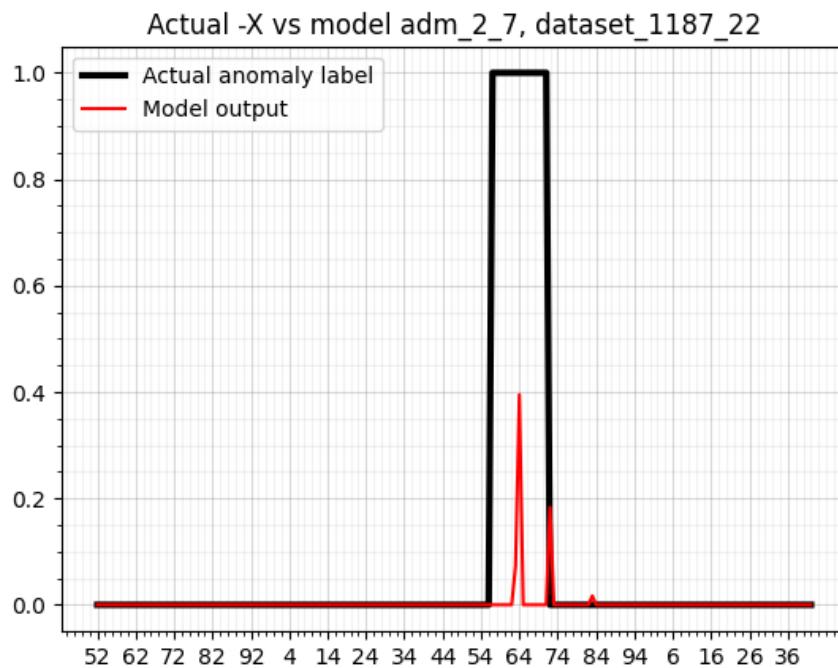
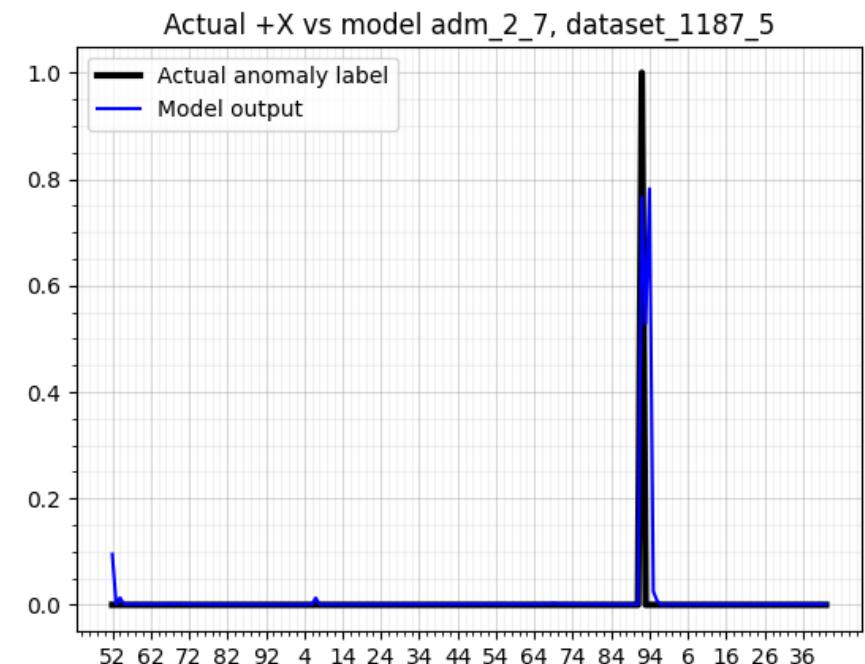
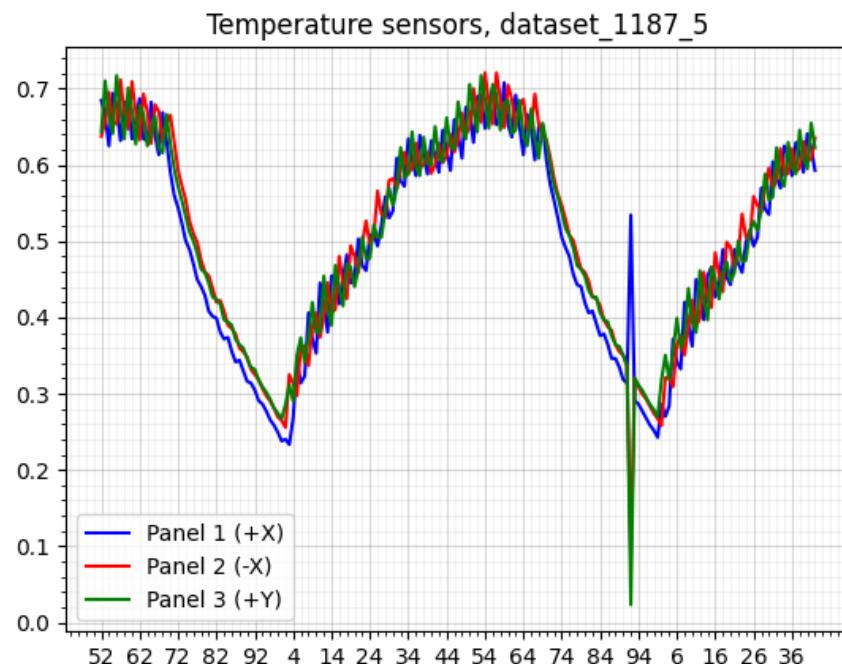


Figure 10: model inferences on dataset\_1187\_22\_sens.png



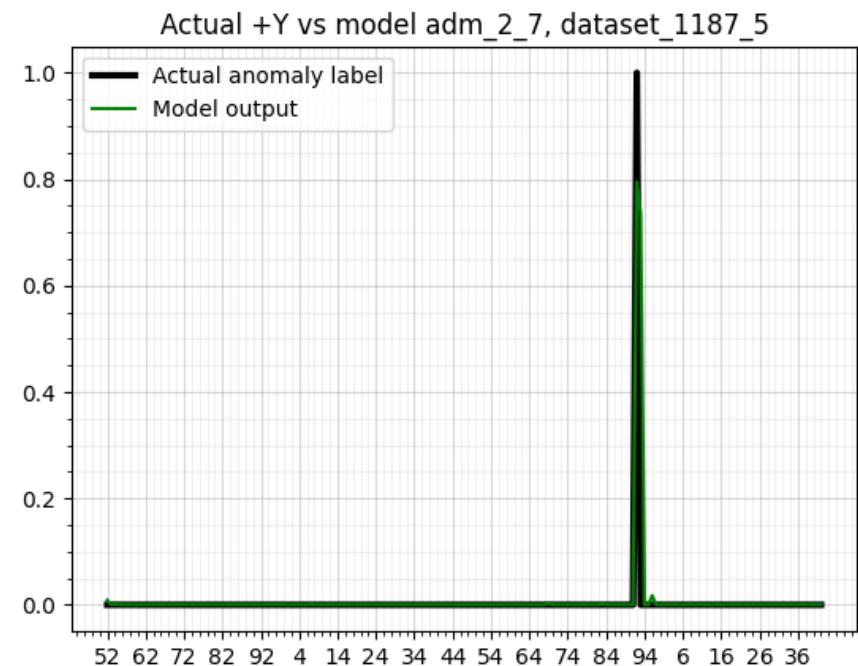
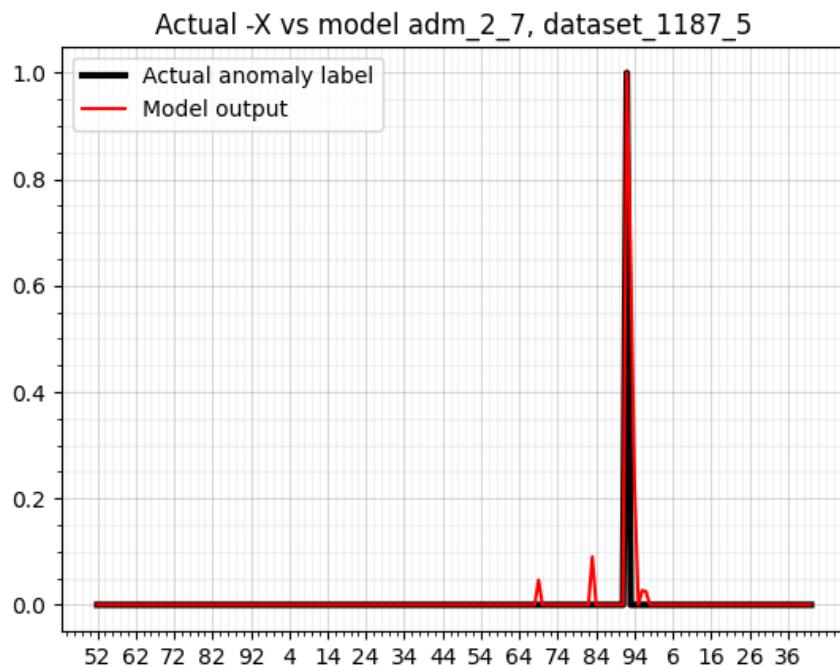
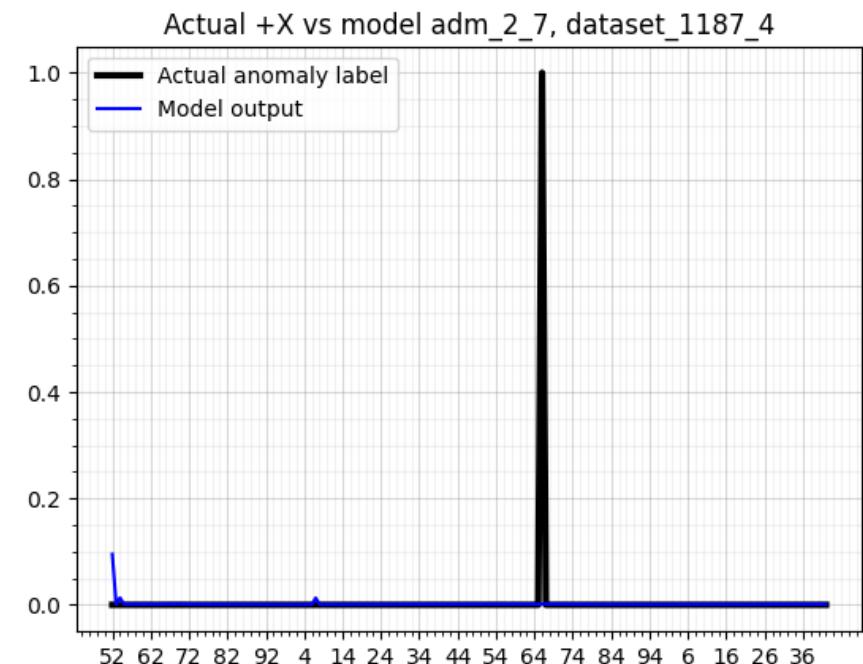
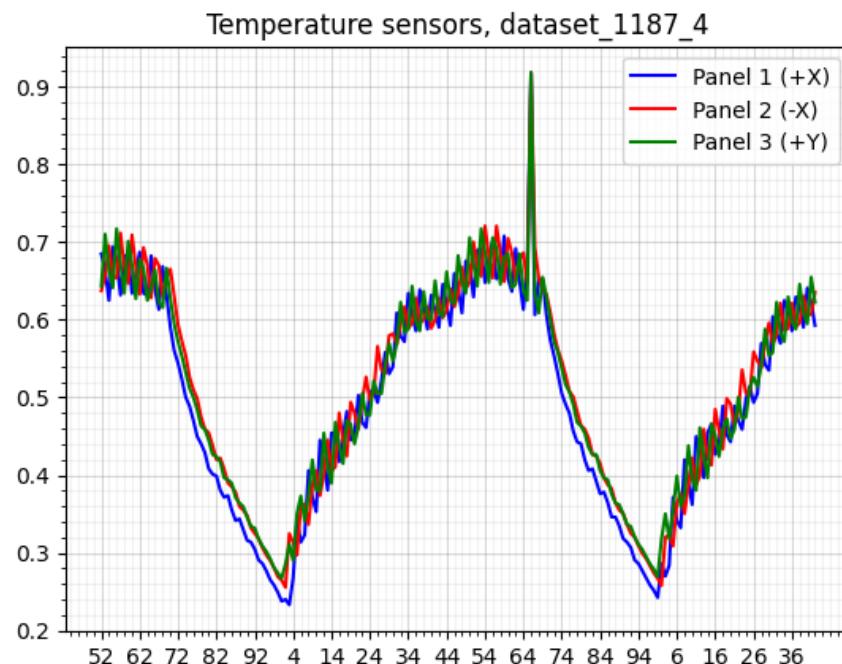


Figure 11: model inferences on dataset\_1187\_5\_sens.png



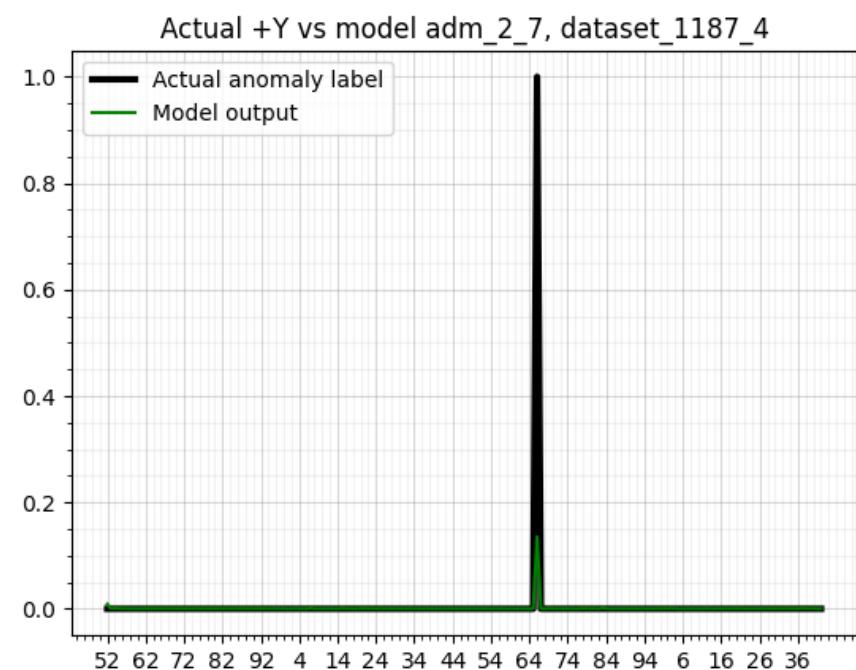
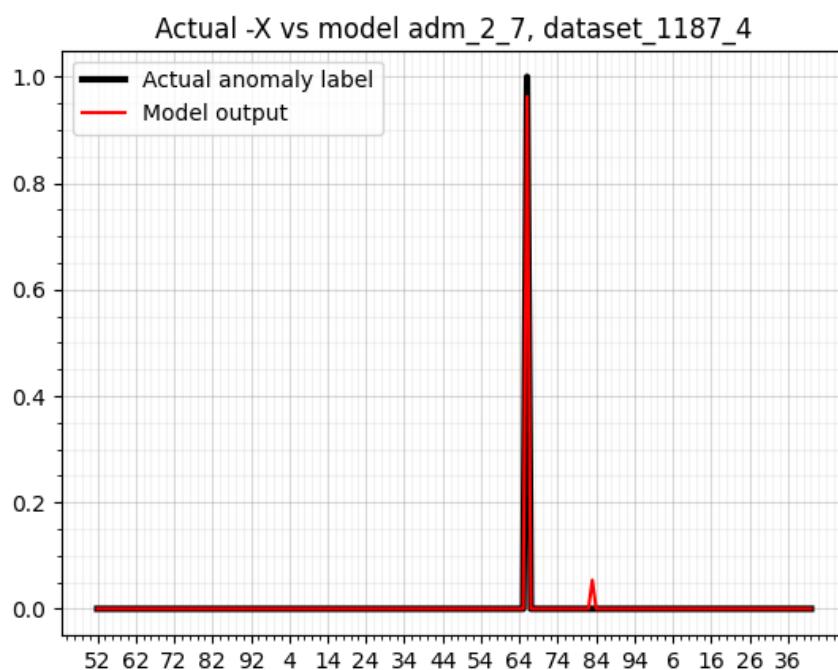
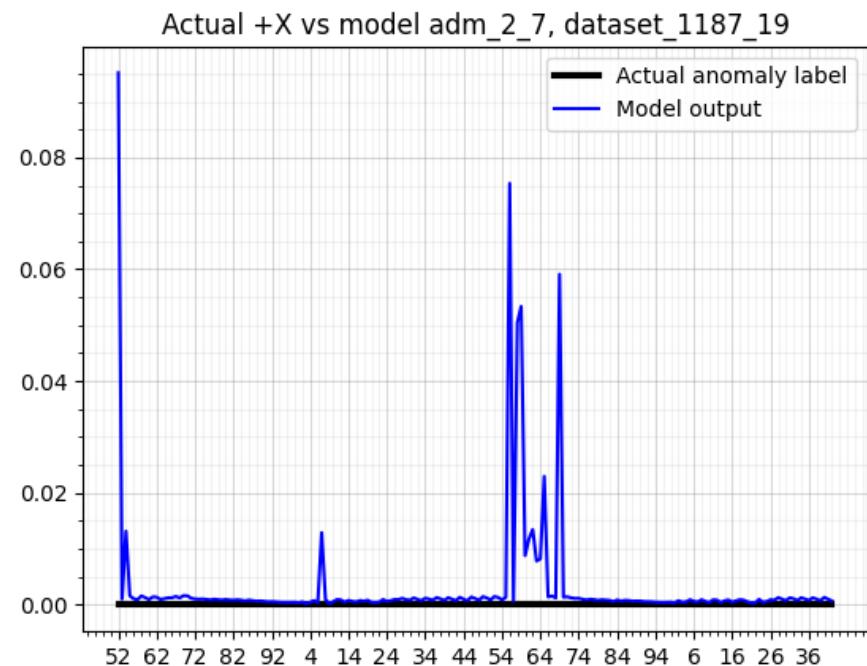
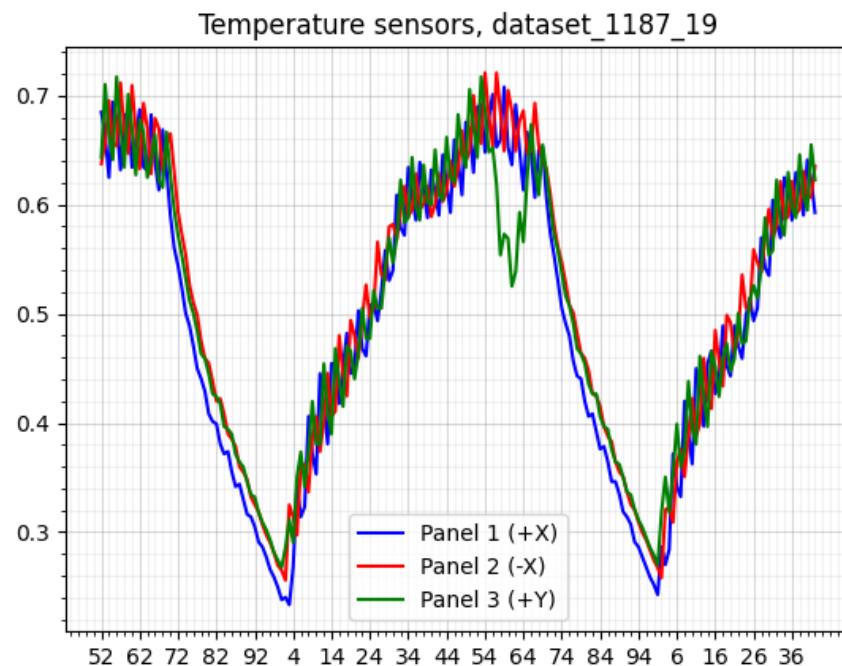


Figure 12: model inferences on dataset\_1187\_4\_sens.png



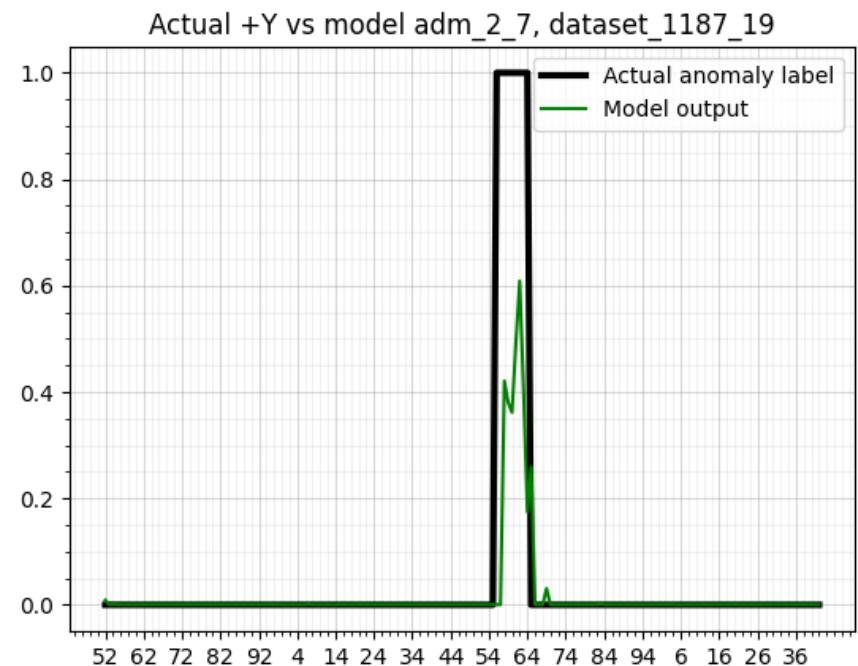
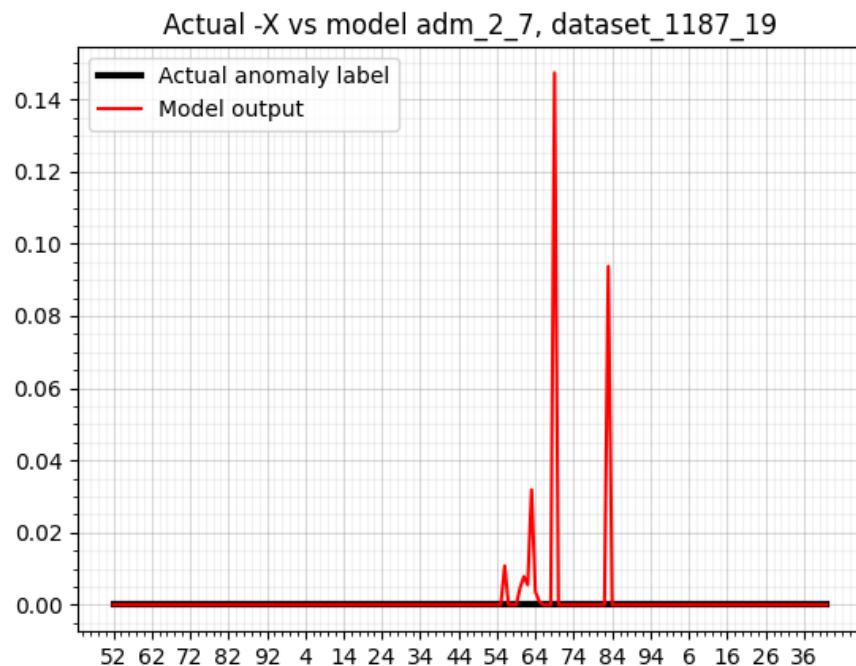
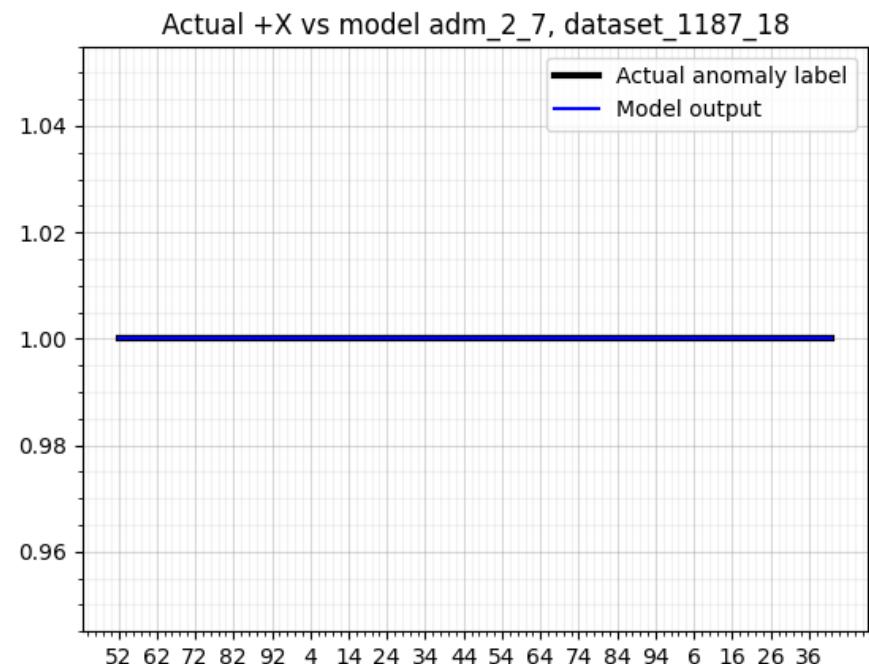
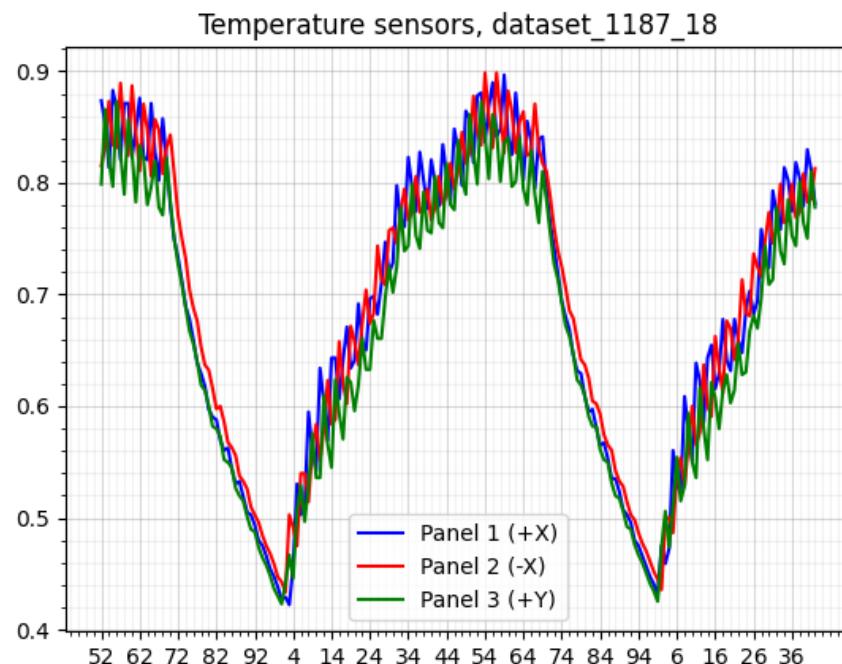


Figure 13: model inferences on dataset\_1187\_19\_sens.png



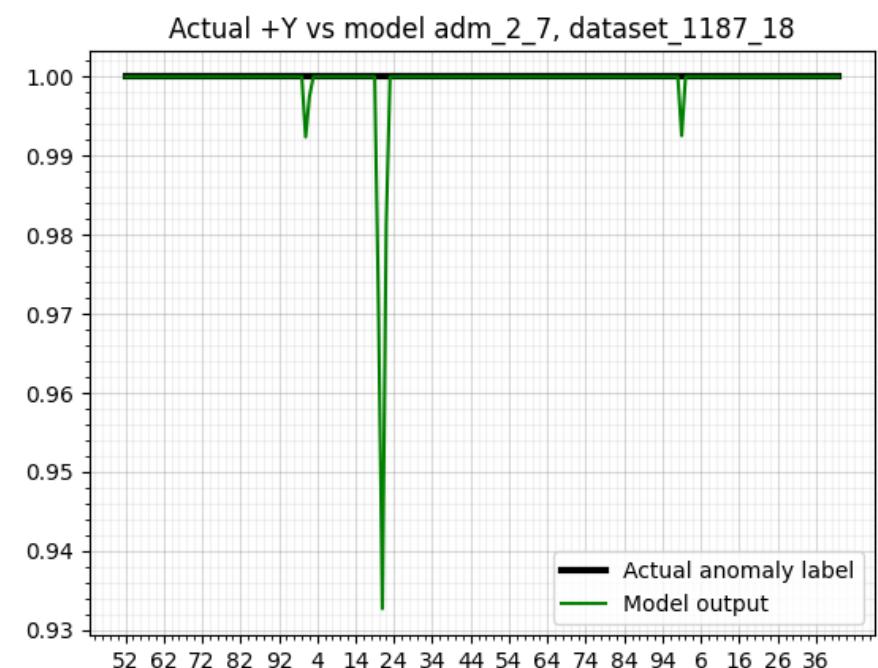
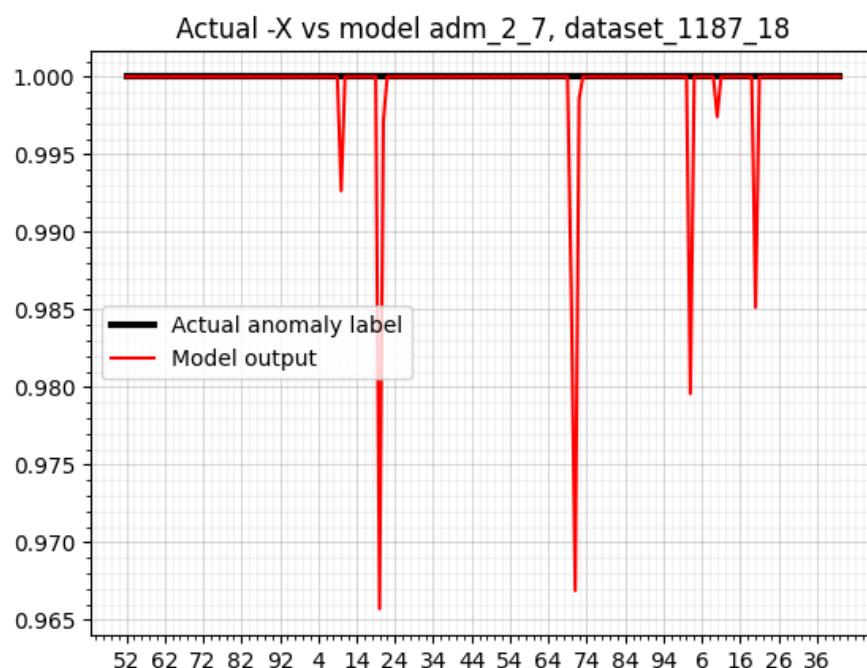
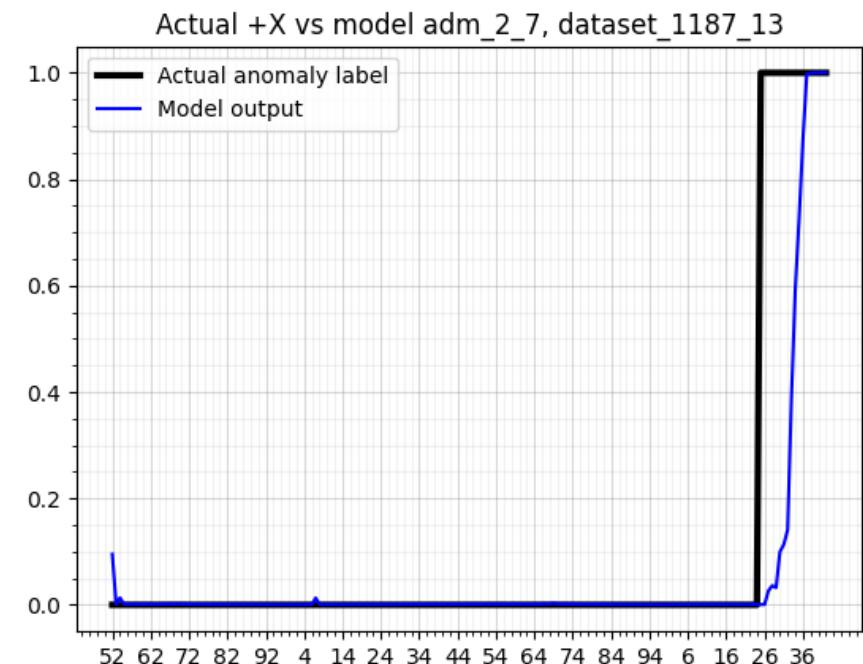
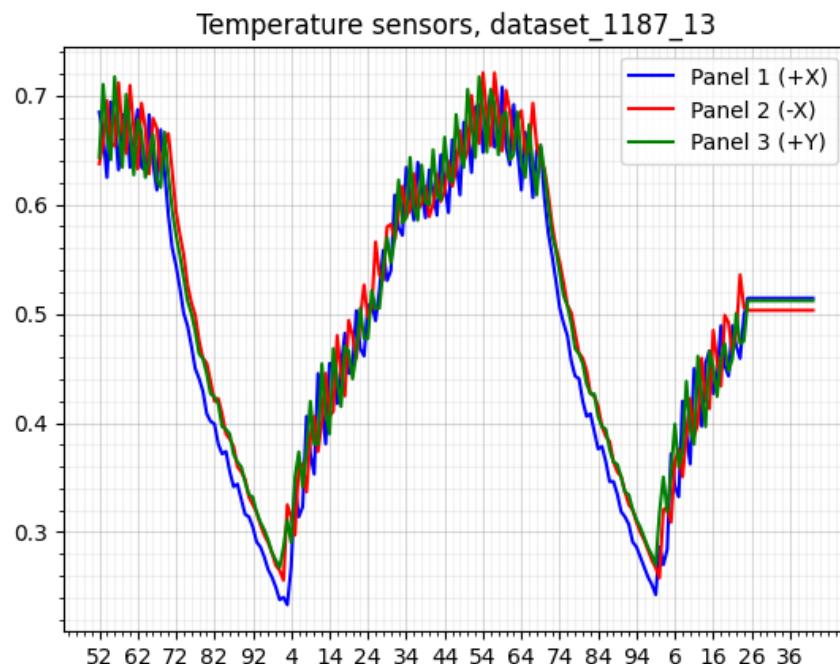


Figure 14: model inferences on dataset\_1187\_18\_sens.png



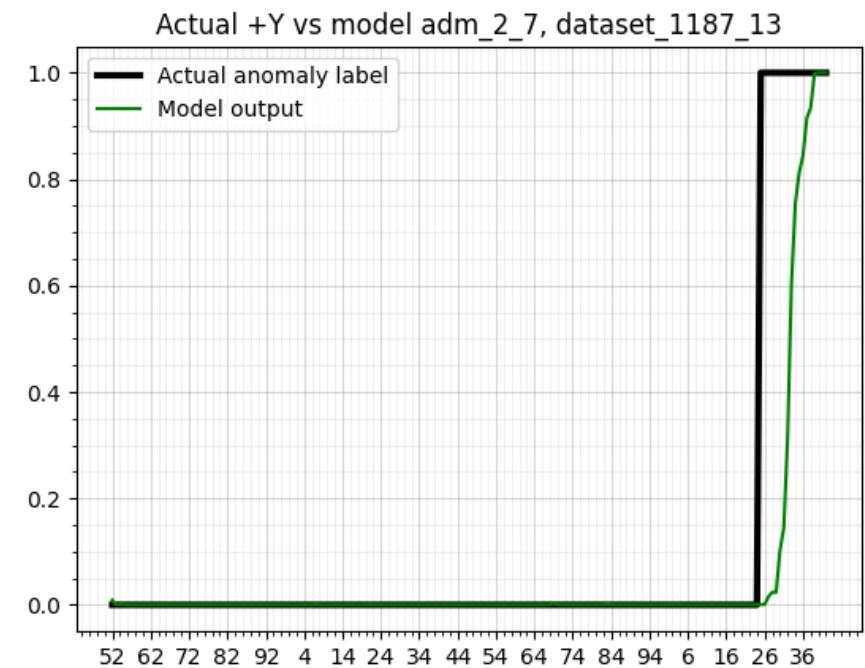
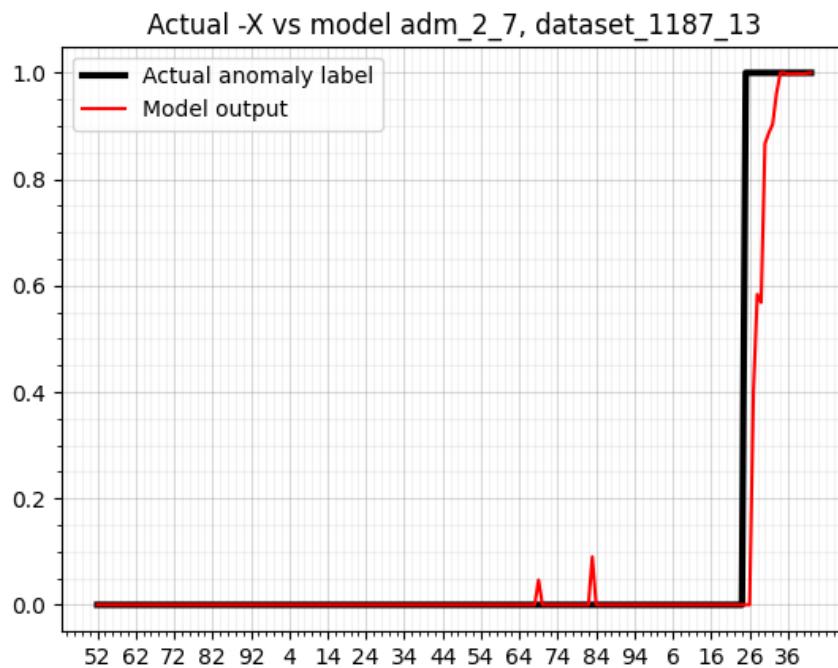
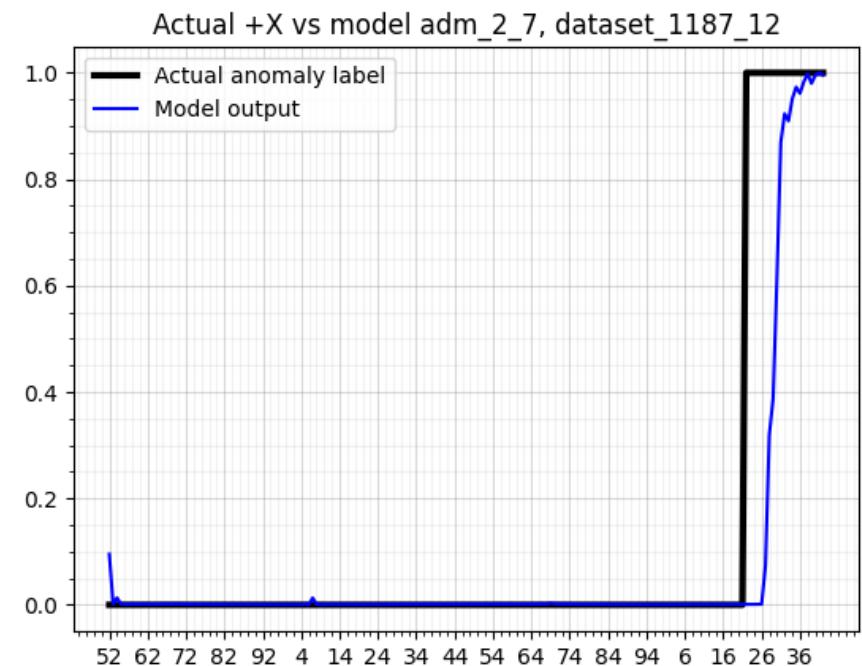
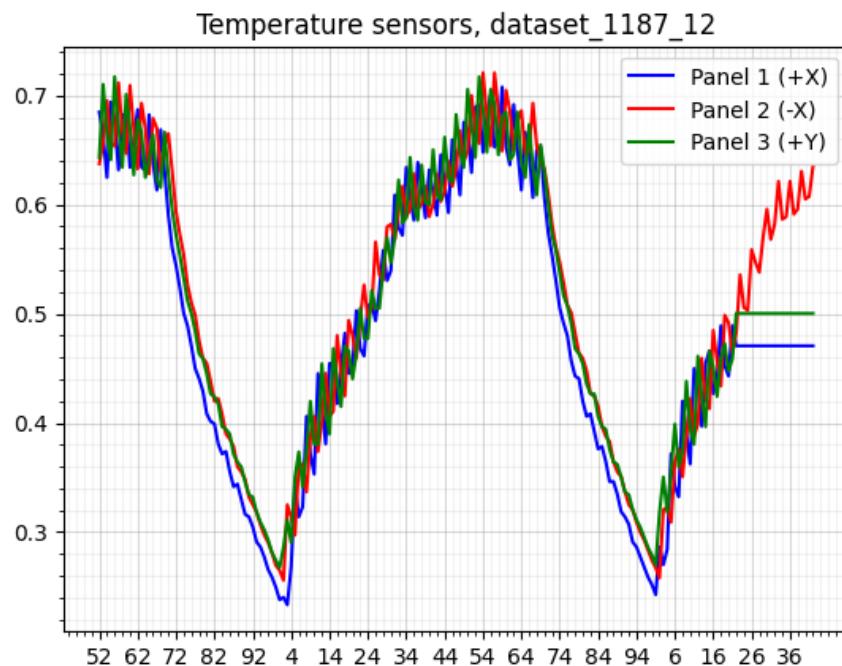
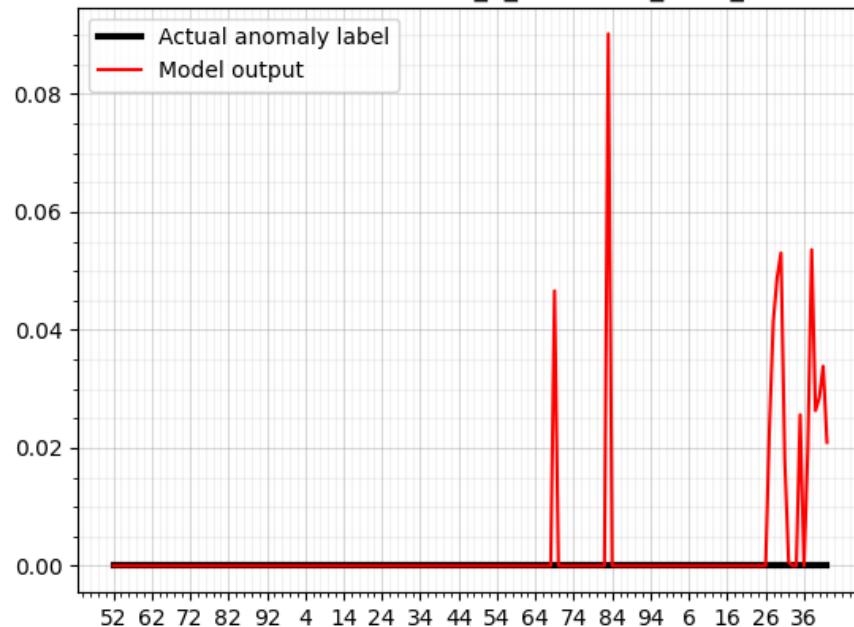


Figure 15: model inferences on dataset\_1187\_13\_sens.png



Actual -X vs model adm\_2\_7, dataset\_1187\_12



Actual +Y vs model adm\_2\_7, dataset\_1187\_12

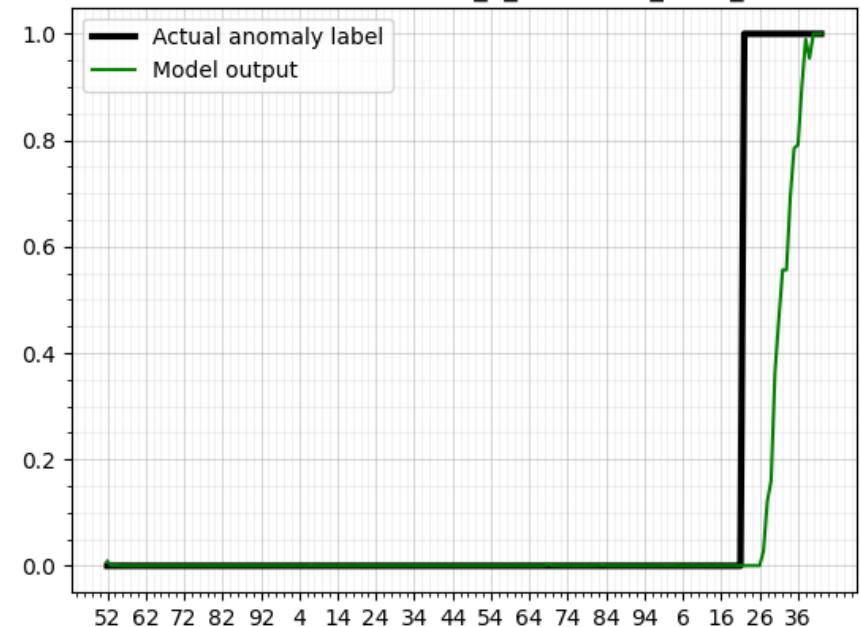
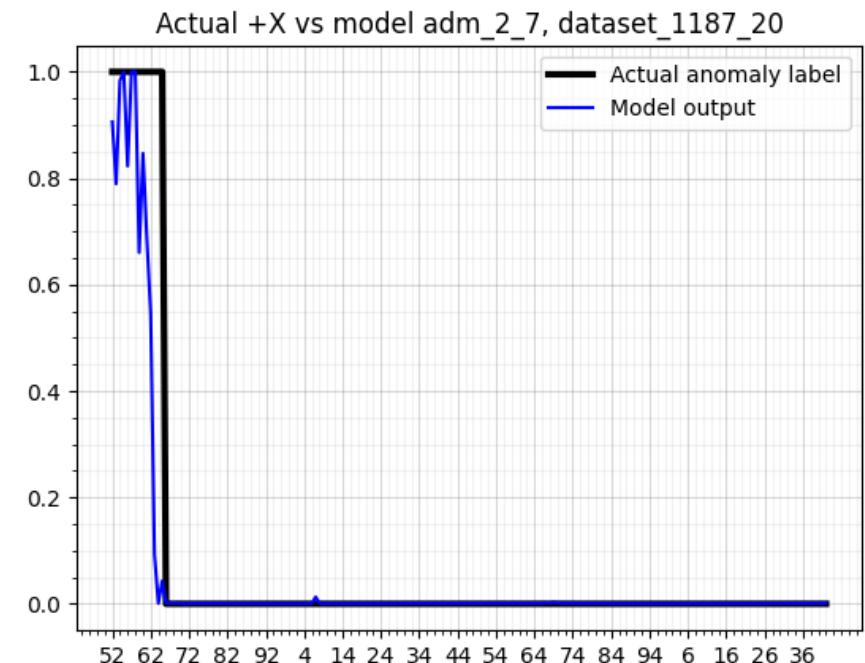
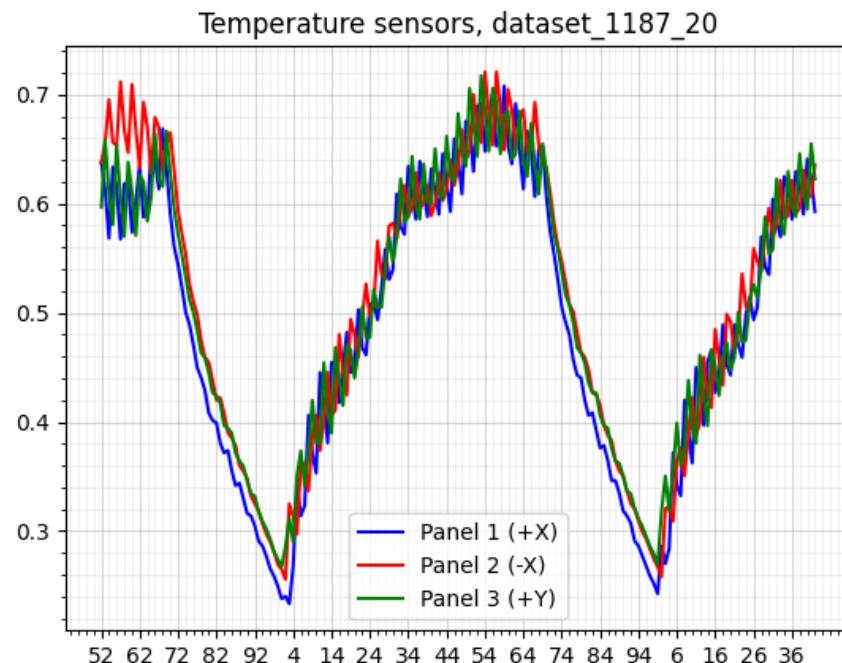
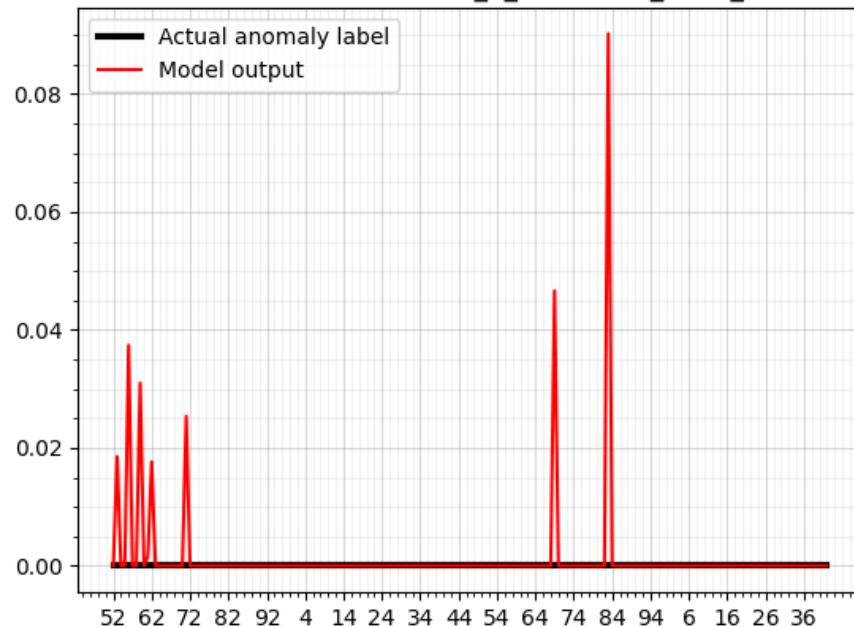


Figure 16: model inferences on dataset\_1187\_12\_sens.png



Actual -X vs model adm\_2\_7, dataset\_1187\_20



Actual +Y vs model adm\_2\_7, dataset\_1187\_20

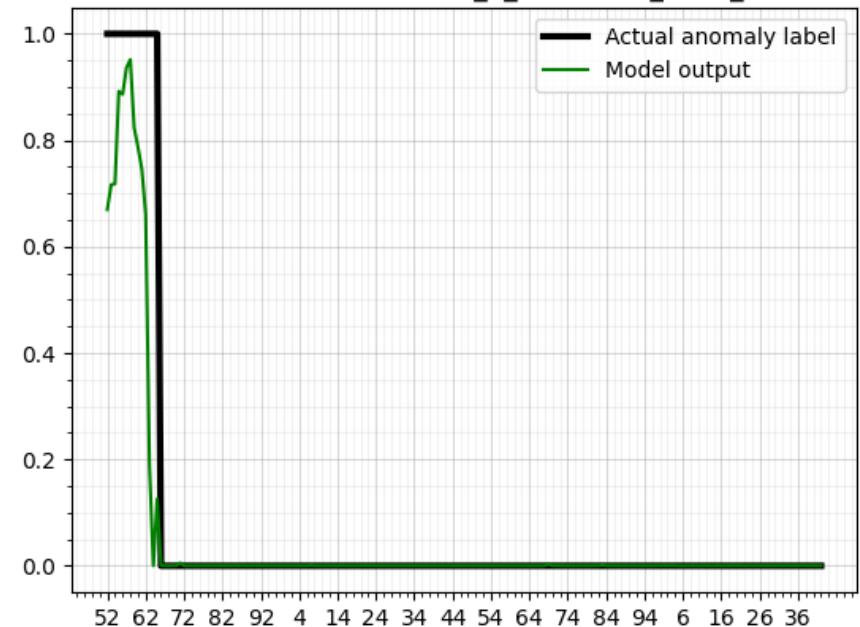
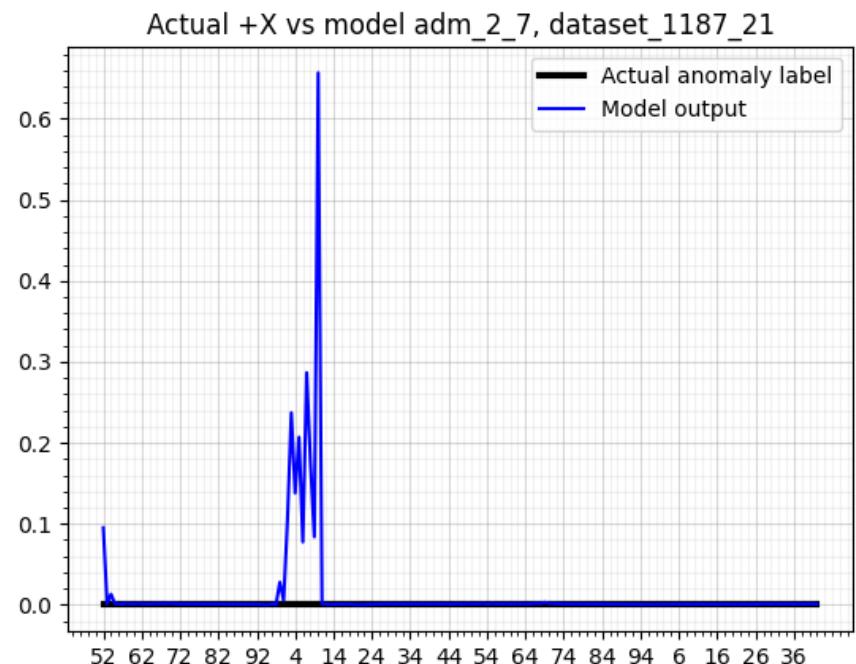
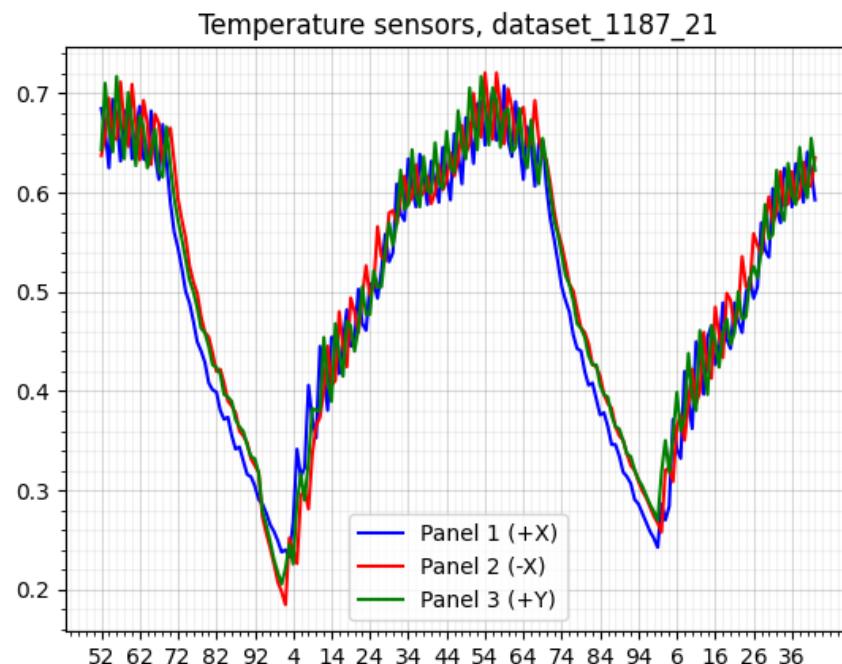


Figure 17: model inferences on dataset\_1187\_20\_sens.png



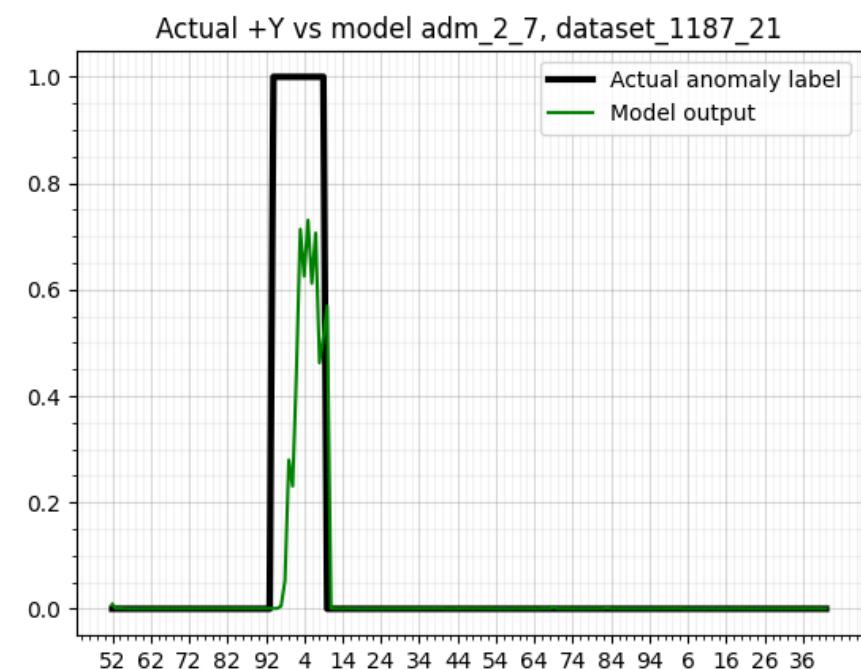
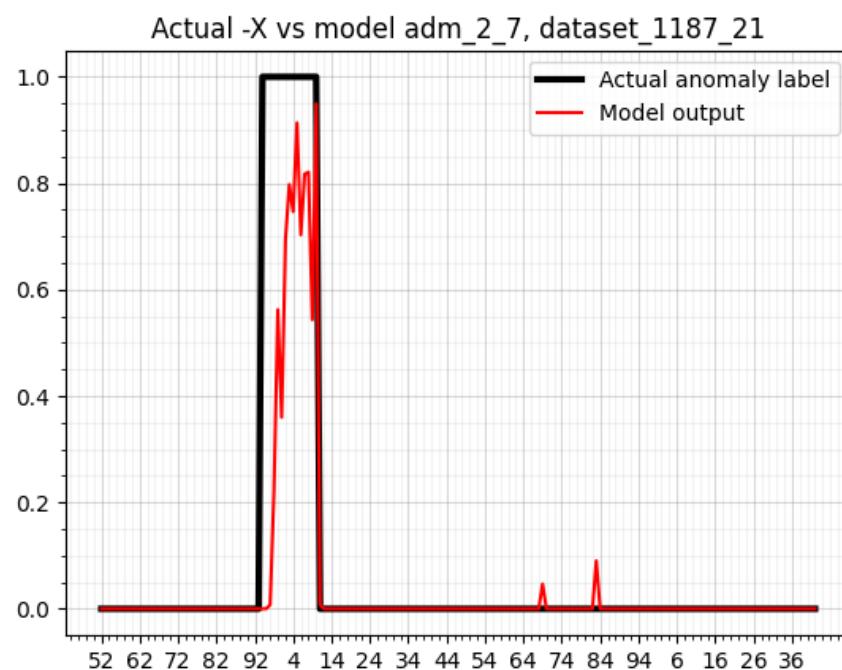
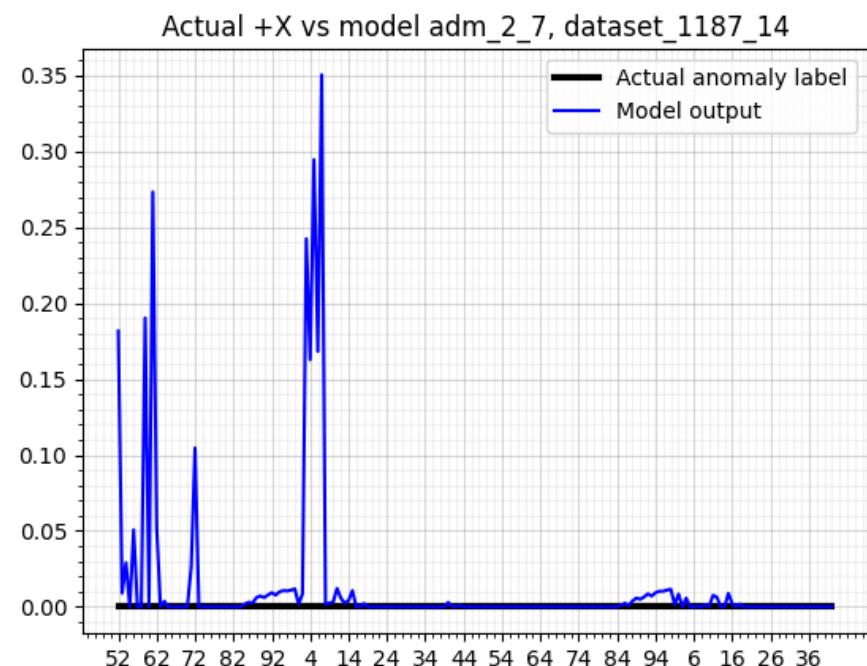
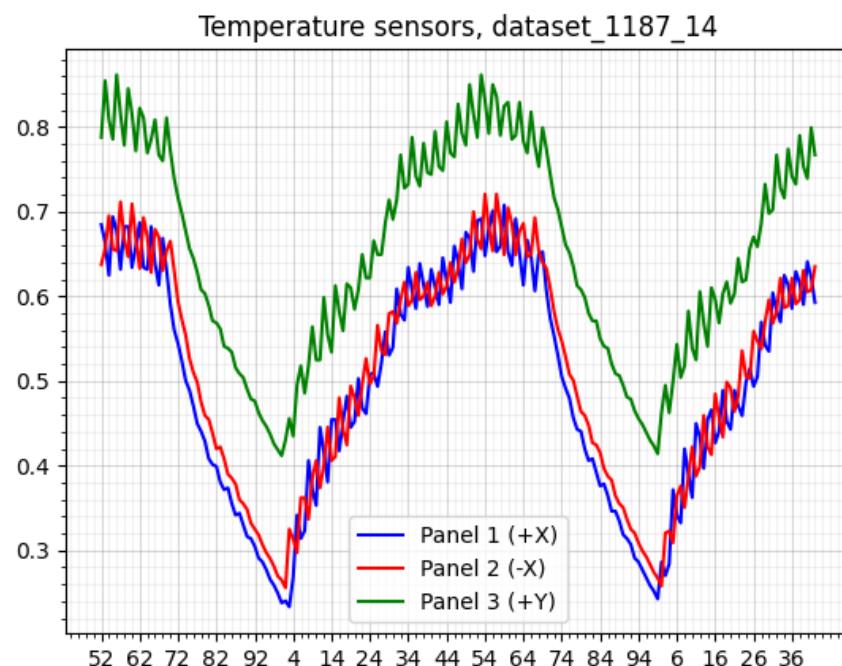
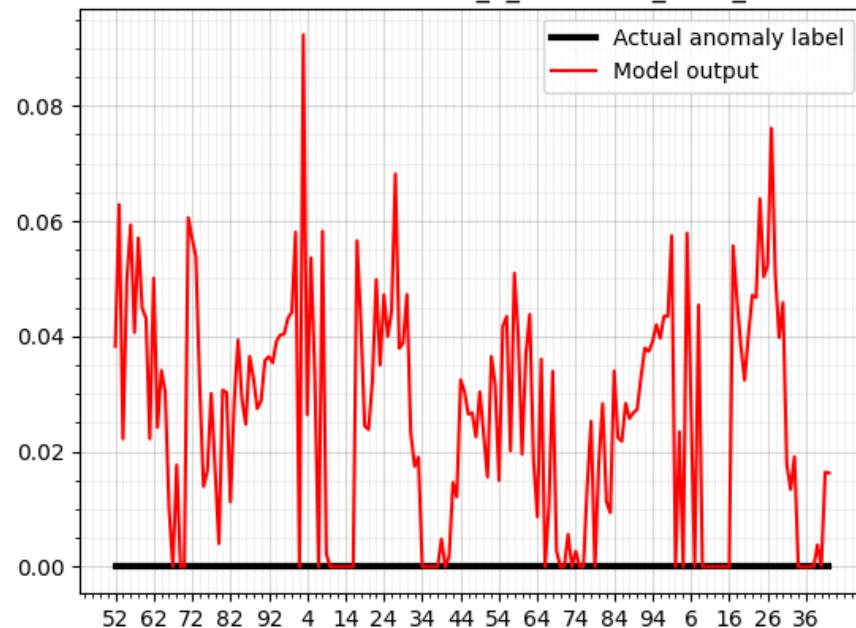


Figure 18: model inferences on dataset\_1187\_21\_sens.png



Actual -X vs model adm\_2\_7, dataset\_1187\_14



Actual +Y vs model adm\_2\_7, dataset\_1187\_14

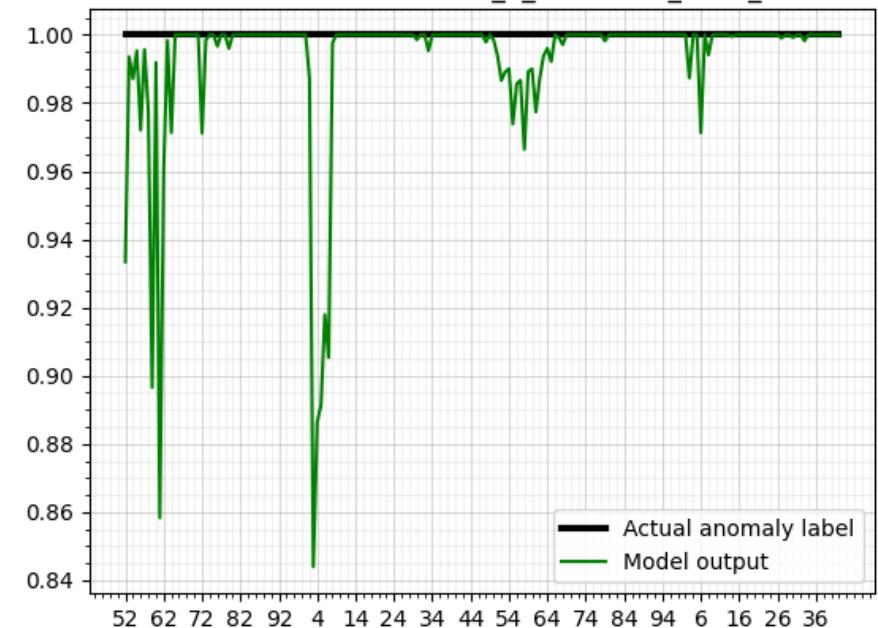
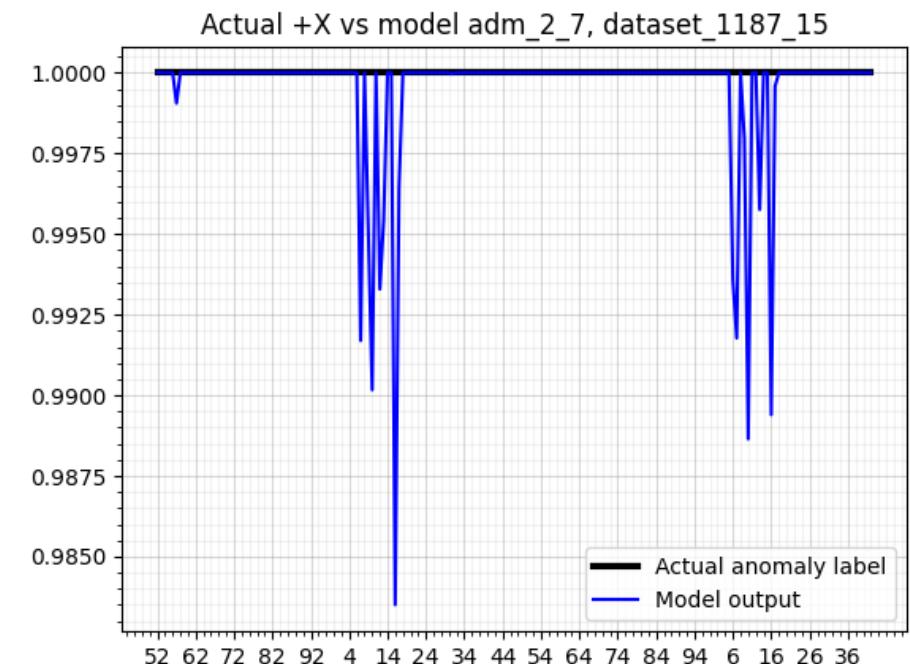
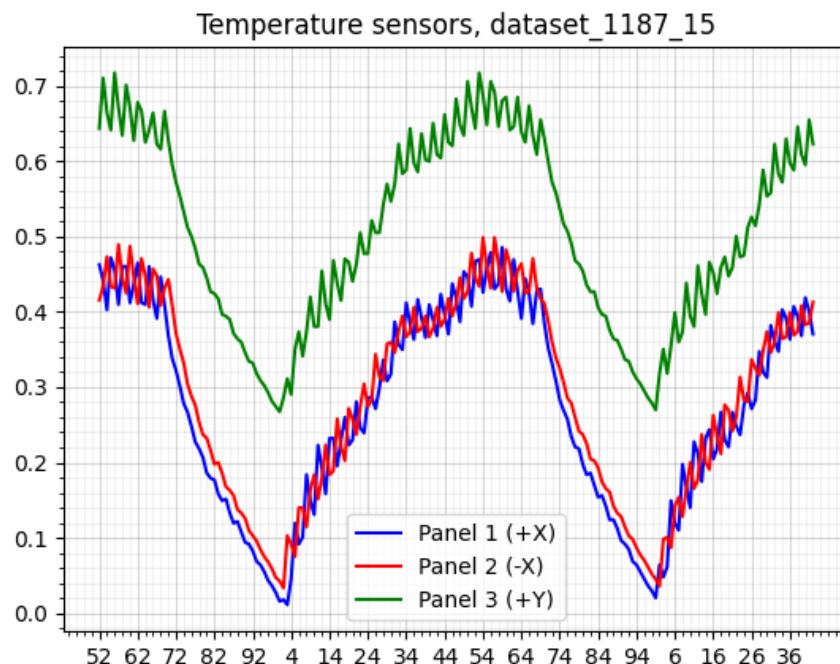
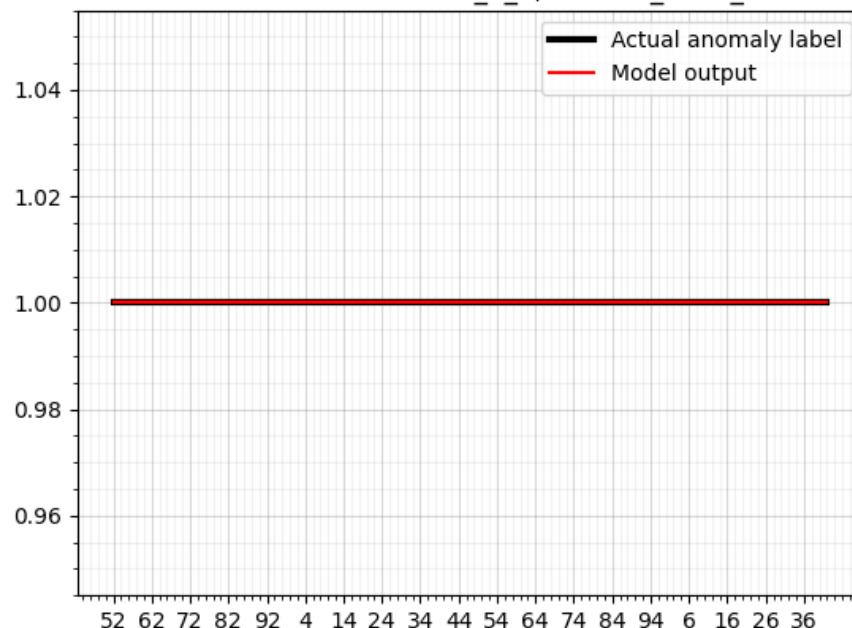


Figure 19: model inferences on dataset\_1187\_14\_sens.png



Actual -X vs model adm\_2\_7, dataset\_1187\_15



Actual +Y vs model adm\_2\_7, dataset\_1187\_15

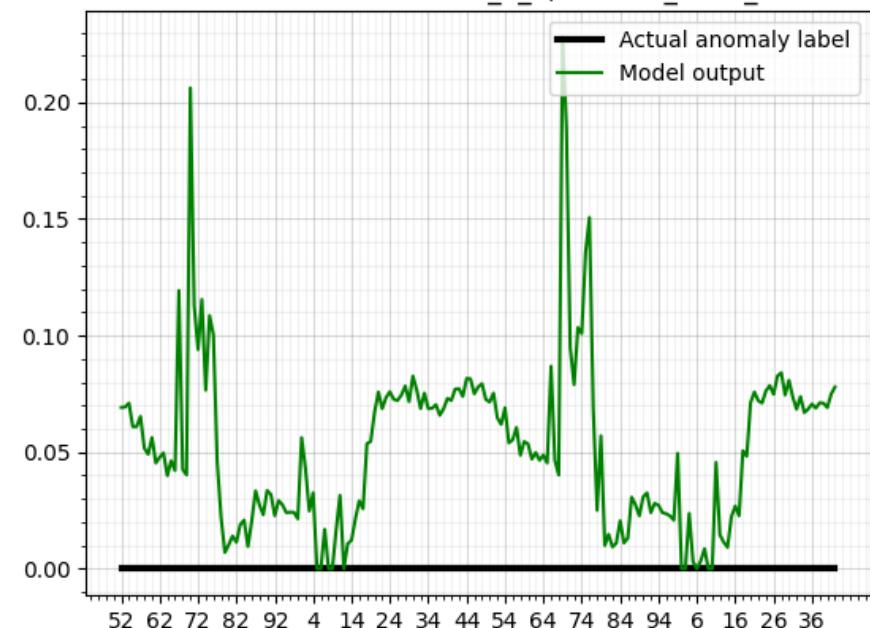
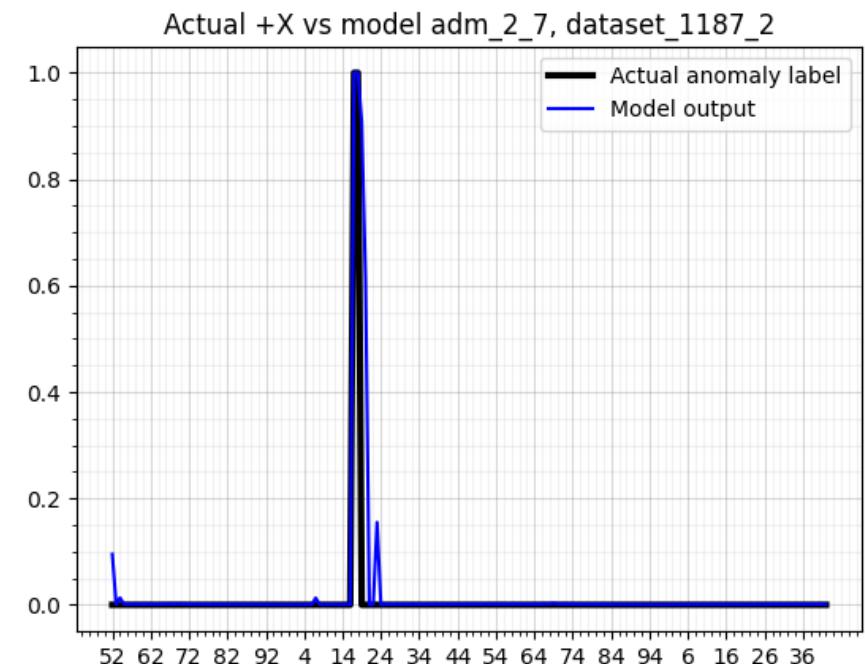
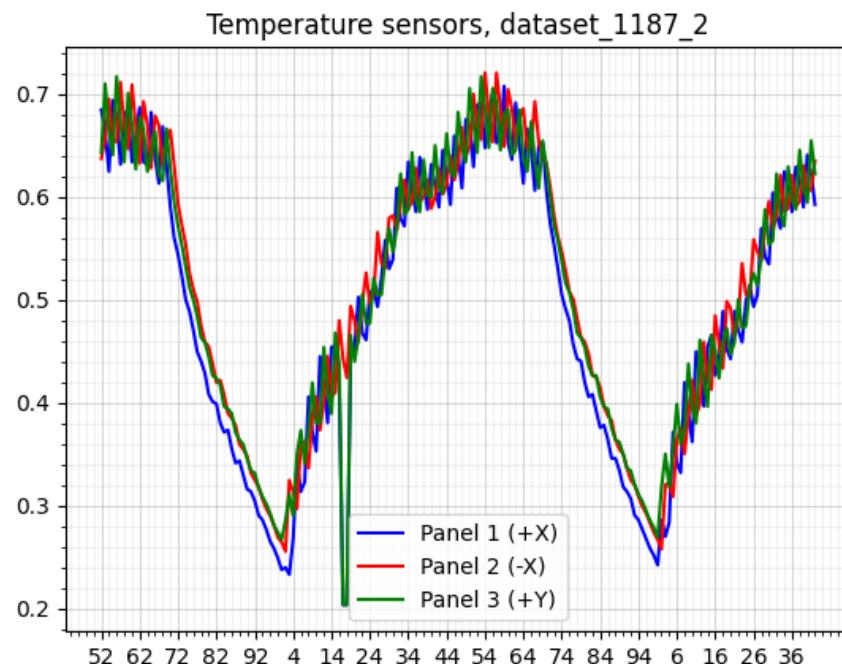


Figure 20: model inferences on dataset\_1187\_15\_sens.png



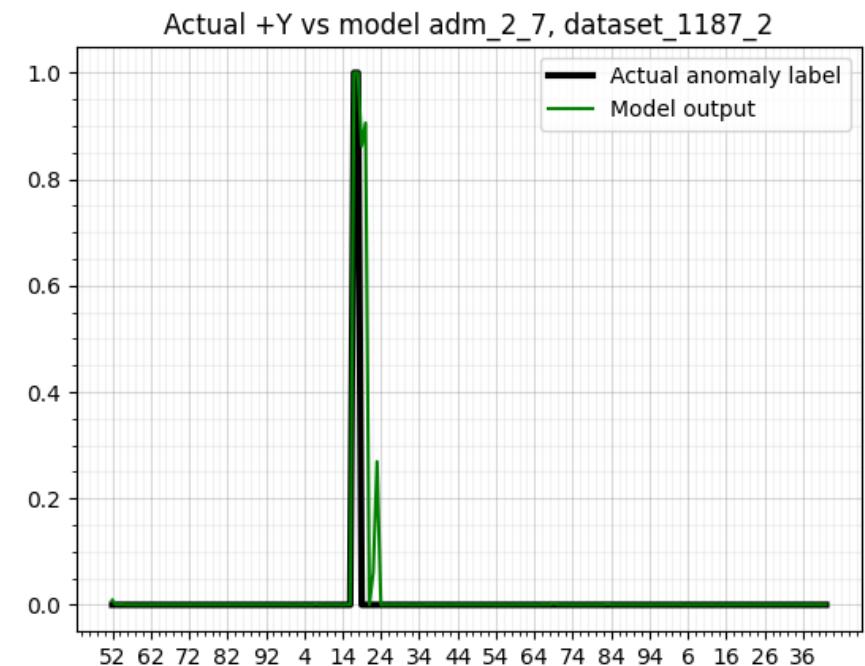
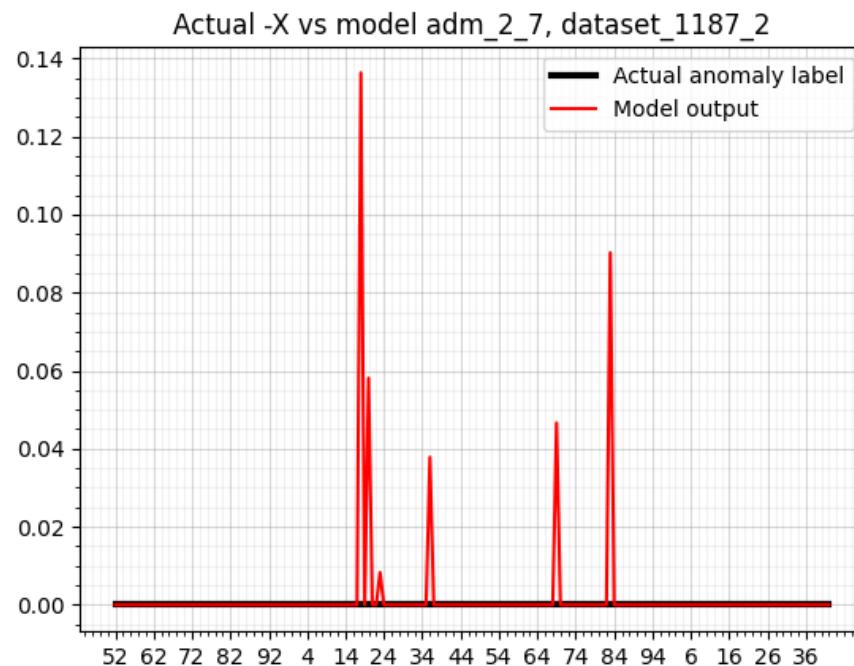
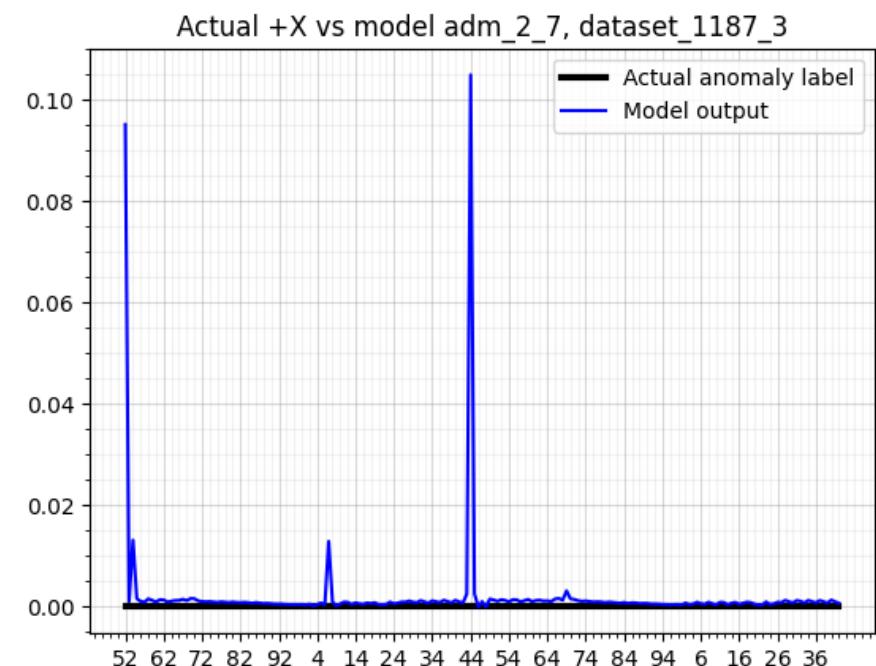
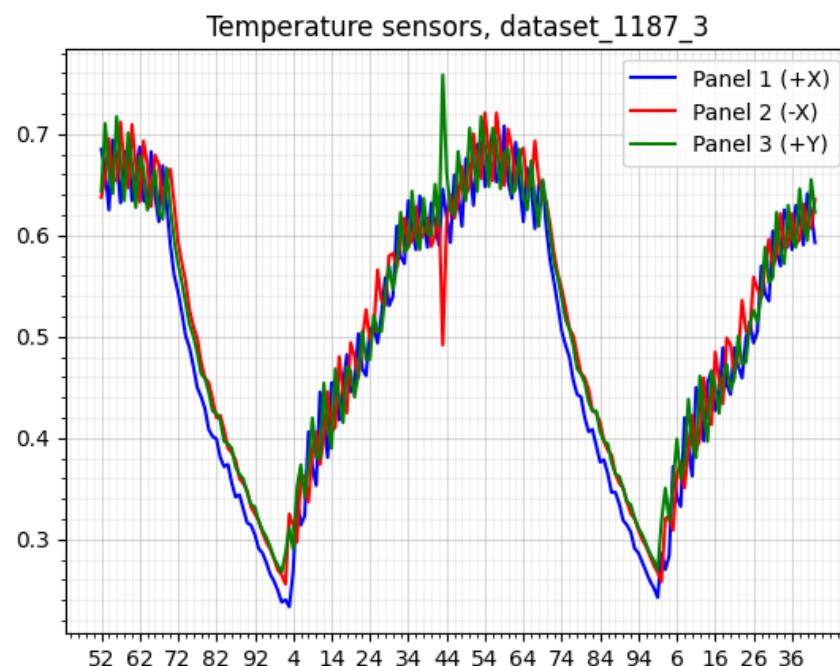


Figure 21: model inferences on dataset\_1187\_2\_sens.png



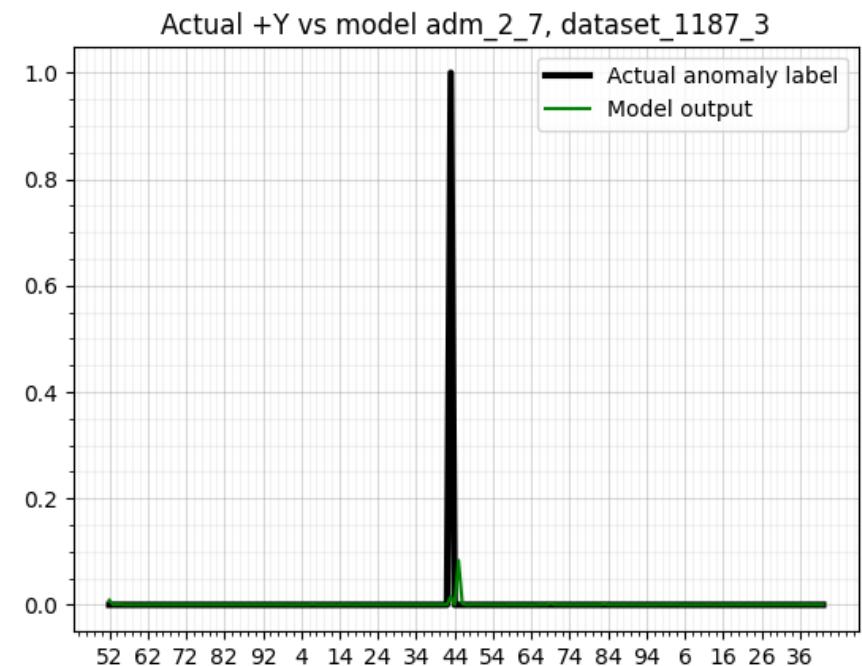
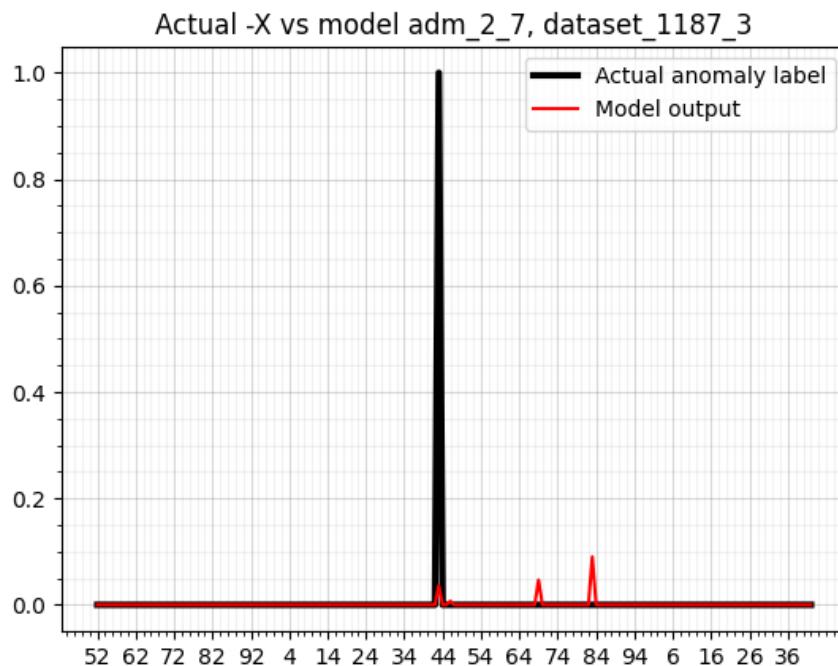
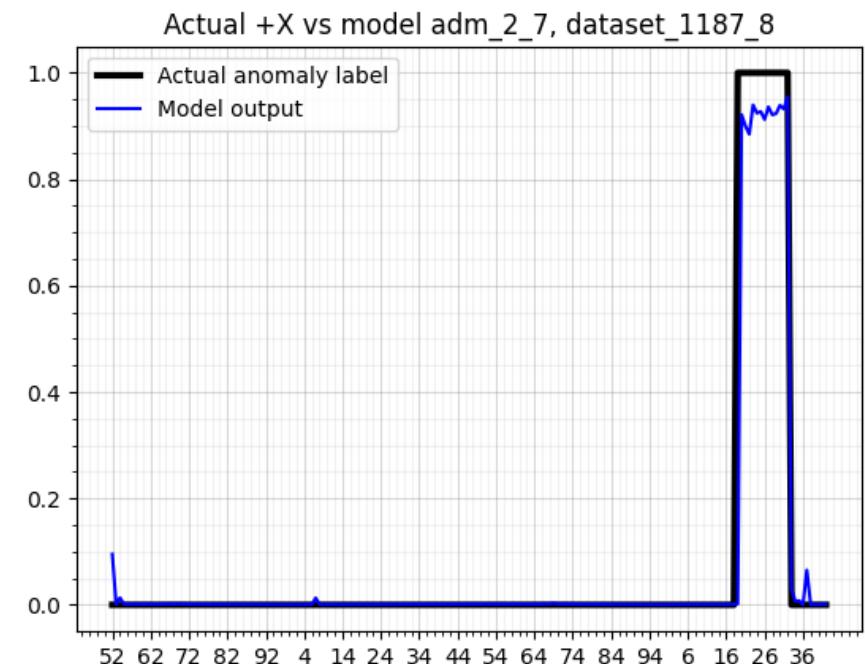
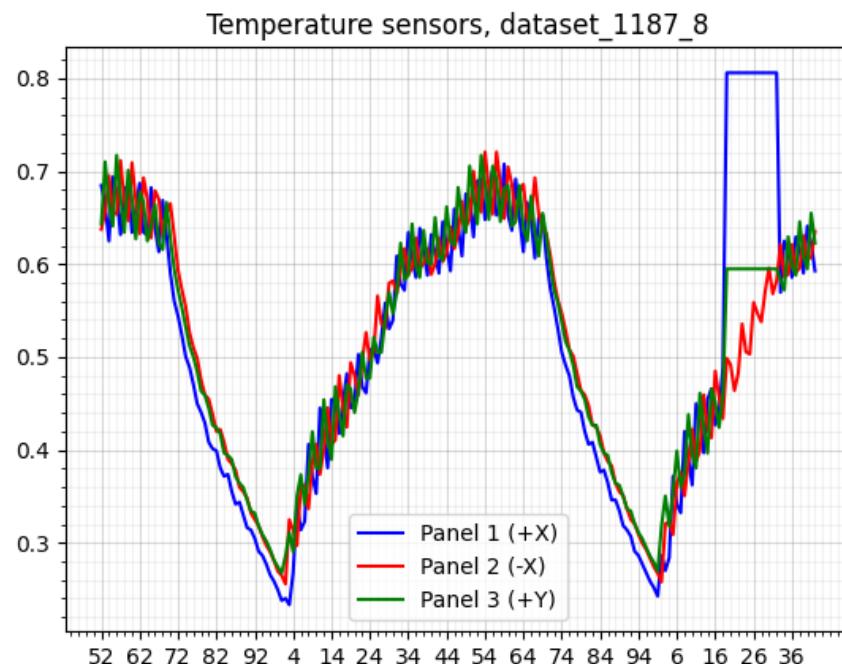


Figure 22: model inferences on dataset\_1187\_3\_sens.png



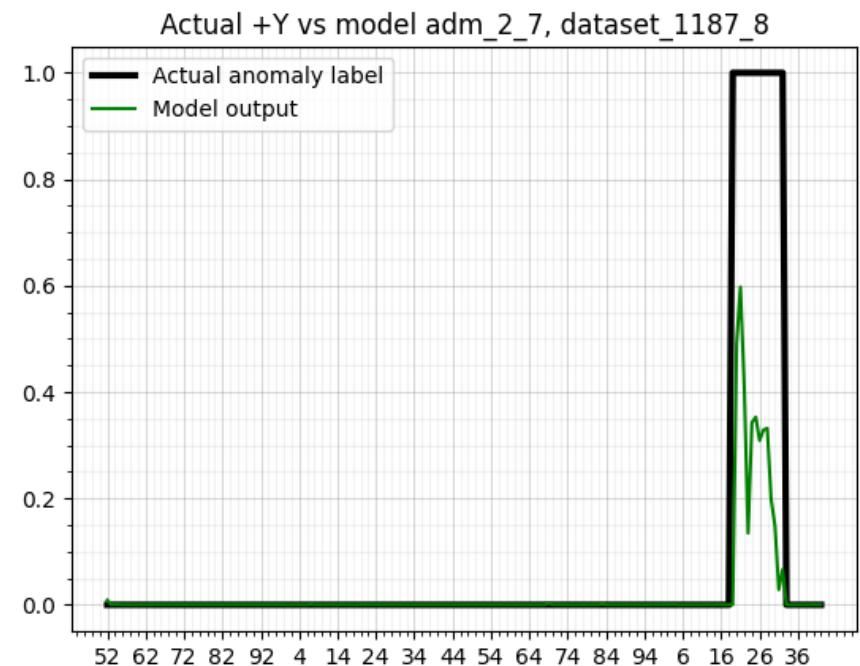
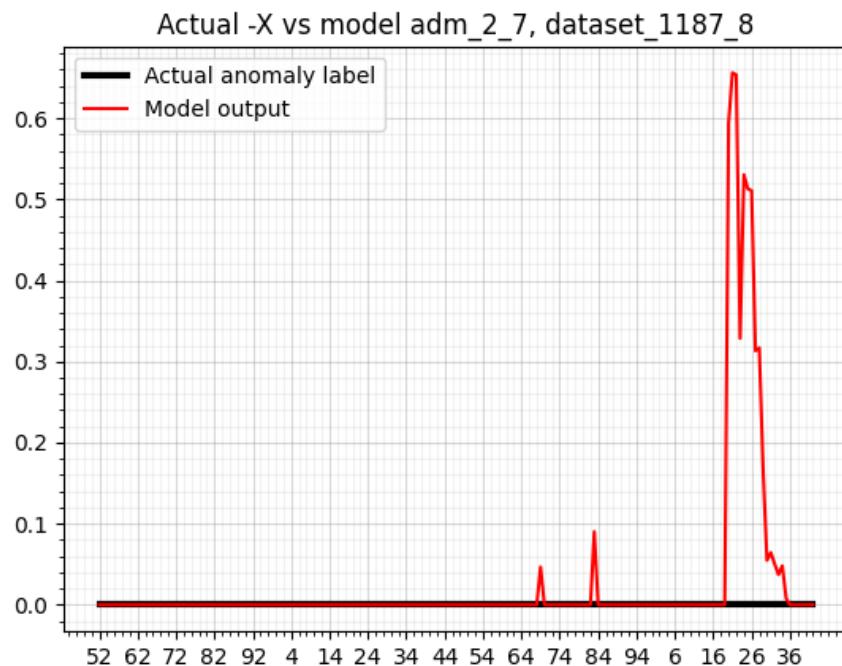
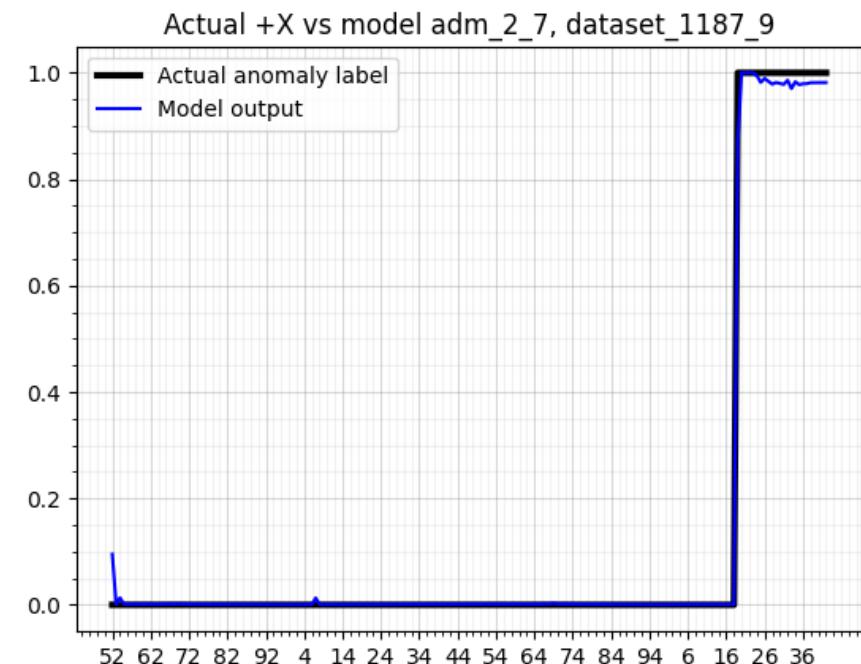
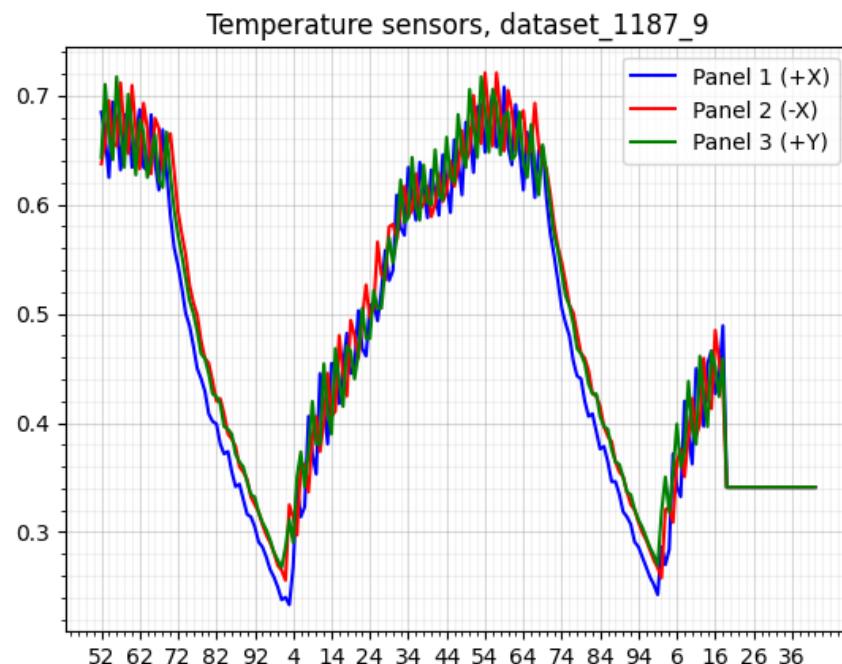


Figure 23: model inferences on dataset\_1187\_8\_sens.png



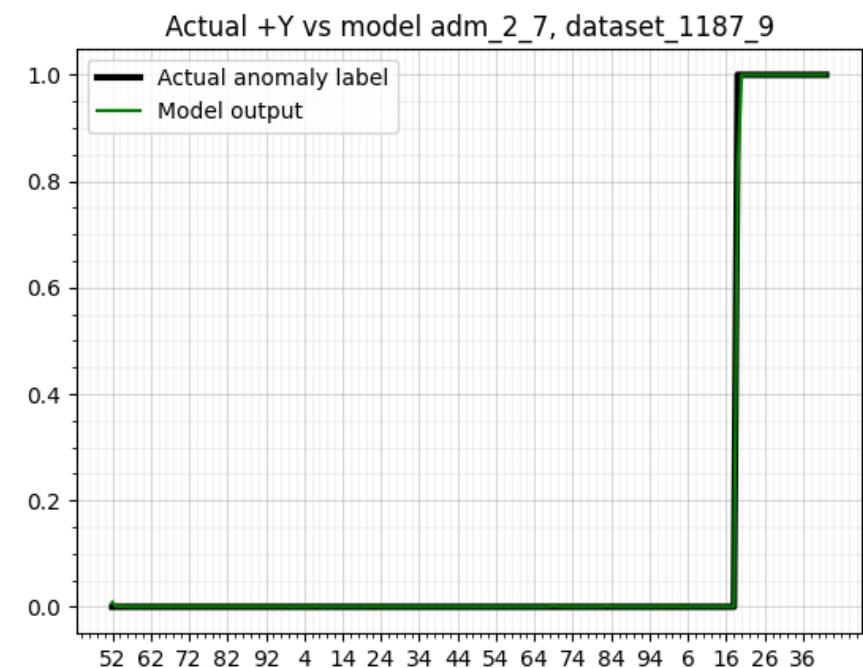
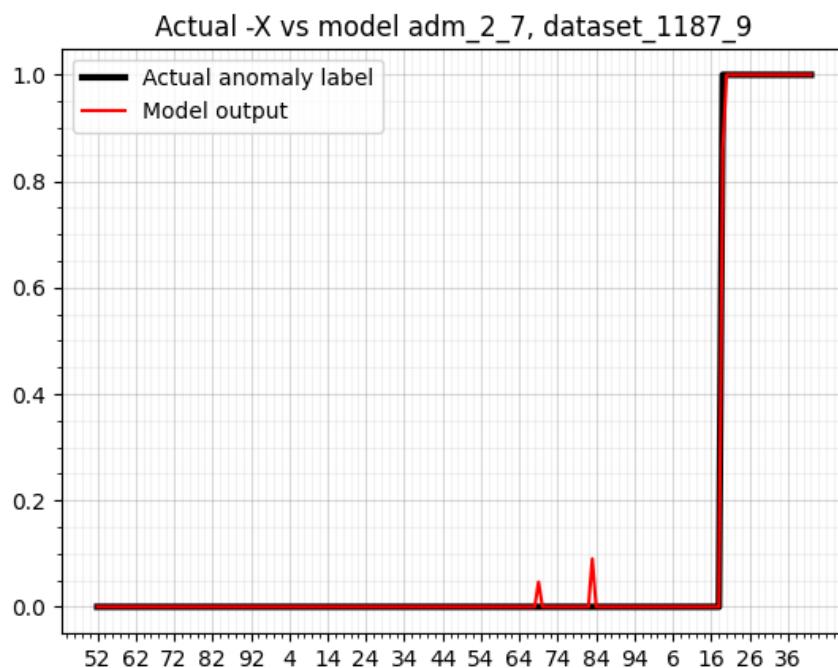


Figure 24: model inferences on dataset\_1187\_9\_sens.png