# k-Nearest Neighbors Algorithm (k-NN)

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## Loading Dataset

import pandas as pd  
# Load the climate dataset  
data = pd.read\_csv('kNN.csv')  
  
# Inspect the data (first few rows and columns)  
print(data.info())

<class 'pandas.core.frame.DataFrame'>  
RangeIndex: 2096 entries, 0 to 2095  
Data columns (total 30 columns):  
 # Column Non-Null Count Dtype   
--- ------ -------------- -----   
 0 Year 2096 non-null int64   
 1 Mo 2096 non-null int64   
 2 Globe 2096 non-null float64  
 3 Land 2096 non-null float64  
 4 Ocean 2096 non-null float64  
 5 NH 2096 non-null float64  
 6 Land.1 2096 non-null float64  
 7 Ocean.1 2096 non-null float64  
 8 SH 2096 non-null float64  
 9 Land.2 2096 non-null float64  
 10 Ocean.2 2096 non-null float64  
 11 Trpcs 2096 non-null float64  
 12 Land.3 2096 non-null float64  
 13 Ocean.3 2096 non-null float64  
 14 NoExt 2096 non-null float64  
 15 Land.4 2096 non-null float64  
 16 Ocean.4 2096 non-null float64  
 17 SoExt 2096 non-null float64  
 18 Land.5 2096 non-null float64  
 19 Ocean.5 2096 non-null float64  
 20 NoPol 2096 non-null float64  
 21 Land.6 2096 non-null float64  
 22 Ocean.6 2096 non-null float64  
 23 SoPol 2096 non-null float64  
 24 Land.7 2096 non-null float64  
 25 Ocean.7 2096 non-null float64  
 26 USA48 2096 non-null float64  
 27 USA49 2096 non-null float64  
 28 AUST 2094 non-null float64  
 29 Troposphere 2096 non-null object   
dtypes: float64(27), int64(2), object(1)  
memory usage: 491.4+ KB  
None

data.head()

Year Mo Globe Land Ocean NH Land.1 Ocean.1 SH Land.2 ... \  
0 1978 12 -0.48 -0.51 -0.47 -0.44 -0.46 -0.42 -0.52 -0.62 ...   
1 1979 1 -0.47 -0.64 -0.41 -0.64 -0.86 -0.50 -0.31 -0.13 ...   
2 1979 2 -0.43 -0.56 -0.39 -0.47 -0.57 -0.41 -0.39 -0.53 ...   
3 1979 3 -0.38 -0.51 -0.33 -0.46 -0.51 -0.44 -0.30 -0.53 ...   
4 1979 4 -0.40 -0.57 -0.34 -0.47 -0.62 -0.37 -0.34 -0.46 ...   
  
 NoPol Land.6 Ocean.6 SoPol Land.7 Ocean.7 USA48 USA49 AUST \  
0 -0.39 -0.68 -0.06 -0.45 -0.38 -0.49 -1.29 -1.15 -1.29   
1 -0.46 -0.95 0.10 -0.16 -0.15 -0.16 -3.22 -2.42 0.92   
2 -2.01 -2.30 -1.66 -0.80 -1.25 -0.58 -1.76 -1.84 -0.30   
3 -0.56 -0.47 -0.65 -0.52 -1.25 -0.18 -0.70 -0.39 0.23   
4 -0.84 -0.81 -0.88 -0.26 0.26 -0.51 -0.72 -0.46 -1.12   
  
 Troposphere   
0 Lower   
1 Lower   
2 Lower   
3 Lower   
4 Lower   
  
[5 rows x 30 columns]

## Split the Data

from sklearn.model\_selection import train\_test\_split  
  
# Separate features (X) and labels (y)  
X = data.drop(columns=['Troposphere'])  
y = data['Troposphere'] # 'Troposphere' is the target column  
  
# Split the data into 80% training and 20% testing  
X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.2, random\_state=42)  
  
print('Training set size:', X\_train.shape)  
print('Testing set size:', X\_test.shape)

Training set size: (1676, 29)  
Testing set size: (420, 29)

## Define the Distance Metric (Euclidean Distance)

import numpy as np  
  
def euclidean\_distance(point1, point2):  
 # Ensure both points are numeric and align them by their indices  
 point1 = point1.astype(np.float64)  
 point2 = point2.astype(np.float64)  
 return np.sqrt(np.sum((point1 - point2) \*\* 2))

## Implement the k-NN Algorithm

from collections import Counter  
  
def knn\_predict(X\_train, y\_train, test\_point, k=3):  
 distances = []  
  
 # Make sure test\_point is numeric  
 test\_point = test\_point.astype(np.float64)  
  
 # Calculate the distance from the test point to all training points  
 for i in range(len(X\_train)):  
 train\_point = X\_train.iloc[i]  
  
 # Calculate the Euclidean distance between the test point and the training point  
 distance = euclidean\_distance(train\_point, test\_point)  
 distances.append((distance, y\_train.iloc[i]))  
  
 # Sort distances in ascending order and select the top k  
 distances = sorted(distances)[:k]  
  
 # Extract the labels of the k closest neighbors  
 neighbors\_labels = [label for \_, label in distances]  
  
 # Return the most common label among the neighbors  
 most\_common\_label = Counter(neighbors\_labels).most\_common(1)[0][0]  
 return most\_common\_label

## Make Predictions and Evaluate

# Set k for k-NN  
k = 3  
  
# Lists to store correct and incorrect predictions  
correct\_predictions = []  
incorrect\_predictions = []  
  
# Iterate over each test point and make predictions  
for i in range(len(X\_test)):  
 test\_point = X\_test.iloc[i]  
 true\_label = y\_test.iloc[i]  
 predicted\_label = knn\_predict(X\_train, y\_train, test\_point, k=k)  
   
 # Check if prediction is correct  
 if predicted\_label == true\_label:  
 correct\_predictions.append((test\_point.values, true\_label, predicted\_label))  
 else:  
 incorrect\_predictions.append((test\_point.values, true\_label, predicted\_label))  
  
# Print correct predictions  
print('\nCorrect Predictions:')  
for test\_point, true\_label, predicted\_label in correct\_predictions:  
 print(f'Test Point: {test\_point}, True Label: {true\_label}, Predicted Label: {predicted\_label}')  
  
# Print incorrect predictions  
print('\nIncorrect Predictions:')  
for test\_point, true\_label, predicted\_label in incorrect\_predictions:  
 print(f'Test Point: {test\_point}, True Label: {true\_label}, Predicted Label: {predicted\_label}')

Correct Predictions:  
Test Point: [ 2.014e+03 1.200e+01 1.000e-01 1.900e-01 7.000e-02 1.900e-01  
 3.200e-01 1.000e-01 1.000e-02 -1.200e-01 4.000e-02 1.300e-01  
 1.000e-01 1.400e-01 2.200e-01 3.700e-01 8.000e-02 -4.000e-02  
 -2.300e-01 -1.000e-02 1.200e-01 3.800e-01 -1.800e-01 -6.100e-01  
 -7.900e-01 -5.200e-01 6.700e-01 8.500e-01 2.800e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 2.006e+03 1.100e+01 -2.900e-01 -4.100e-01 -2.400e-01 -2.000e-01  
 -1.700e-01 -2.100e-01 -3.800e-01 -9.500e-01 -2.700e-01 7.000e-02  
 6.000e-02 7.000e-02 -3.300e-01 -2.300e-01 -4.200e-01 -6.300e-01  
 -1.720e+00 -4.300e-01 -7.400e-01 -7.200e-01 -7.600e-01 -2.930e+00  
 -4.250e+00 -2.310e+00 -1.700e-01 -7.100e-01 -2.200e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 3.000e+00 -2.000e-02 2.000e-02 -4.000e-02 2.000e-02  
 7.000e-02 -2.000e-02 -6.000e-02 -1.000e-01 -5.000e-02 1.100e-01  
 2.900e-01 6.000e-02 -5.000e-02 0.000e+00 -1.100e-01 -1.300e-01  
 -3.600e-01 -9.000e-02 -5.700e-01 -1.070e+00 0.000e+00 -4.200e-01  
 -6.400e-01 -3.100e-01 -1.170e+00 -1.040e+00 5.400e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.98e+03 2.00e+00 0.00e+00 -1.10e-01 4.00e-02 -9.00e-02 -2.30e-01  
 -1.00e-02 9.00e-02 1.50e-01 7.00e-02 1.00e-02 -9.00e-02 4.00e-02  
 -1.60e-01 -2.40e-01 -9.00e-02 1.40e-01 2.70e-01 1.20e-01 1.60e-01  
 4.50e-01 -1.60e-01 5.60e-01 5.10e-01 5.80e-01 -6.20e-01 -3.70e-01  
 6.40e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 2.02e+03 2.00e+00 5.90e-01 7.10e-01 5.50e-01 7.40e-01 8.30e-01  
 6.80e-01 4.50e-01 4.40e-01 4.50e-01 6.30e-01 5.50e-01 6.50e-01  
 7.80e-01 9.10e-01 6.60e-01 3.70e-01 3.40e-01 3.80e-01 -2.60e-01  
 2.40e-01 -8.50e-01 7.90e-01 5.30e-01 9.10e-01 1.70e-01 -1.70e-01  
 2.00e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.996e+03 8.000e+00 -5.000e-02 -6.000e-02 -4.000e-02 -2.800e-01  
 -4.100e-01 -2.000e-01 1.900e-01 7.300e-01 8.000e-02 -1.900e-01  
 -1.200e-01 -2.100e-01 -3.400e-01 -5.000e-01 -2.000e-01 3.900e-01  
 1.390e+00 2.200e-01 -9.600e-01 -1.250e+00 -6.100e-01 2.360e+00  
 3.370e+00 1.880e+00 -1.600e-01 -3.100e-01 -2.900e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 2.004e+03 1.000e+01 -3.000e-02 2.900e-01 -1.500e-01 -1.300e-01  
 1.400e-01 -3.000e-01 7.000e-02 6.400e-01 -4.000e-02 -4.800e-01  
 -4.100e-01 -5.000e-01 -1.000e-02 2.500e-01 -2.500e-01 4.300e-01  
 1.520e+00 2.400e-01 3.300e-01 5.700e-01 4.000e-02 4.190e+00  
 4.580e+00 4.010e+00 3.600e-01 4.700e-01 -1.070e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.011e+03 3.000e+00 -3.100e-01 -3.300e-01 -3.100e-01 -4.100e-01  
 -4.100e-01 -4.100e-01 -2.200e-01 -1.600e-01 -2.300e-01 -5.500e-01  
 -4.900e-01 -5.700e-01 -3.400e-01 -3.900e-01 -3.000e-01 -3.000e-02  
 1.100e-01 -6.000e-02 1.900e-01 1.100e-01 2.800e-01 2.700e-01  
 4.400e-01 1.900e-01 -2.100e-01 -1.000e-01 -2.900e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.978e+03 1.200e+01 1.140e+00 5.400e-01 1.370e+00 5.500e-01  
 -4.000e-02 9.200e-01 1.740e+00 1.870e+00 1.710e+00 1.370e+00  
 1.330e+00 1.380e+00 9.000e-02 -3.900e-01 5.200e-01 1.950e+00  
 2.230e+00 1.900e+00 -1.130e+00 -1.820e+00 -3.300e-01 2.170e+00  
 2.380e+00 2.080e+00 -1.210e+00 -1.950e+00 2.970e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.982e+03 7.000e+00 1.320e+00 1.610e+00 1.200e+00 1.710e+00  
 1.610e+00 1.770e+00 9.200e-01 1.610e+00 7.800e-01 1.930e+00  
 1.950e+00 1.930e+00 1.620e+00 1.540e+00 1.680e+00 3.700e-01  
 1.290e+00 2.000e-01 1.390e+00 1.310e+00 1.480e+00 -3.000e-02  
 4.600e-01 -2.700e-01 1.490e+00 1.440e+00 1.970e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.993e+03 2.000e+00 9.000e-01 7.000e-01 9.800e-01 5.700e-01  
 3.500e-01 7.000e-01 1.230e+00 1.480e+00 1.180e+00 1.890e+00  
 2.090e+00 1.830e+00 -1.300e-01 -1.100e-01 -1.500e-01 8.800e-01  
 1.040e+00 8.500e-01 -3.550e+00 -2.510e+00 -4.740e+00 7.300e-01  
 1.020e+00 5.900e-01 9.700e-01 8.300e-01 9.900e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.983e+03 1.000e+01 0.000e+00 2.000e-02 -1.000e-02 -1.000e-02  
 1.000e-01 -8.000e-02 1.000e-02 -1.500e-01 4.000e-02 6.000e-02  
 7.000e-02 6.000e-02 -5.000e-02 1.000e-01 -1.800e-01 -2.000e-02  
 -3.000e-01 3.000e-02 -4.300e-01 -4.200e-01 -4.400e-01 -8.800e-01  
 -1.060e+00 -8.000e-01 2.200e-01 1.500e-01 3.800e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.019e+03 6.000e+00 3.000e-01 2.000e-01 3.400e-01 2.900e-01  
 2.000e-01 3.400e-01 3.200e-01 2.000e-01 3.400e-01 4.700e-01  
 4.600e-01 4.700e-01 2.000e-01 1.500e-01 2.400e-01 2.300e-01  
 -7.000e-02 2.900e-01 5.600e-01 5.200e-01 6.100e-01 1.000e-02  
 -1.060e+00 5.200e-01 -4.900e-01 -3.200e-01 6.000e-02], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.997e+03 3.000e+00 -2.100e-01 -3.500e-01 -1.500e-01 -3.700e-01  
 -5.000e-01 -2.900e-01 -4.000e-02 -2.000e-02 -5.000e-02 -2.500e-01  
 -2.200e-01 -2.600e-01 -4.300e-01 -5.400e-01 -3.300e-01 6.000e-02  
 3.000e-02 7.000e-02 -1.800e+00 -1.740e+00 -1.870e+00 5.600e-01  
 3.500e-01 6.600e-01 6.800e-01 2.100e-01 -1.100e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.988e+03 4.000e+00 1.500e-01 9.000e-02 1.700e-01 2.800e-01  
 2.200e-01 3.200e-01 1.000e-02 -1.900e-01 5.000e-02 -5.000e-02  
 -1.600e-01 -2.000e-02 4.800e-01 3.200e-01 6.200e-01 2.000e-02  
 -2.200e-01 6.000e-02 2.850e+00 2.290e+00 3.480e+00 7.000e-02  
 -2.400e-01 2.200e-01 2.100e-01 4.200e-01 -3.000e-02], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.018e+03 5.000e+00 -1.200e-01 -2.500e-01 -7.000e-02 -3.000e-01  
 -3.400e-01 -2.700e-01 6.000e-02 -4.000e-02 8.000e-02 -7.000e-02  
 -1.000e-02 -9.000e-02 -4.100e-01 -4.200e-01 -3.900e-01 1.200e-01  
 -6.000e-02 1.500e-01 -3.200e-01 -1.900e-01 -4.700e-01 8.000e-02  
 -2.900e-01 2.600e-01 -1.400e+00 -1.170e+00 3.900e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.017e+03 2.000e+00 3.000e-01 5.600e-01 2.000e-01 4.200e-01  
 6.700e-01 2.700e-01 1.800e-01 3.100e-01 1.600e-01 1.000e-02  
 -7.000e-02 4.000e-02 6.400e-01 8.700e-01 4.300e-01 2.800e-01  
 6.100e-01 2.200e-01 1.090e+00 1.090e+00 1.100e+00 5.100e-01  
 9.300e-01 3.100e-01 2.070e+00 1.800e+00 3.500e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 2.013e+03 1.200e+01 5.000e-02 1.300e-01 2.000e-02 -1.800e-01  
 -2.300e-01 -1.400e-01 2.900e-01 9.400e-01 1.500e-01 1.700e-01  
 1.800e-01 1.600e-01 -3.600e-01 -3.400e-01 -3.800e-01 3.600e-01  
 1.530e+00 1.500e-01 -1.750e+00 -1.540e+00 -2.000e+00 2.200e+00  
 3.800e+00 1.440e+00 -8.500e-01 -1.150e+00 -1.800e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.01e+03 2.00e+00 -2.20e-01 1.40e-01 -3.70e-01 3.80e-01 6.30e-01  
 2.10e-01 -8.20e-01 -9.60e-01 -8.00e-01 -1.73e+00 -1.70e+00 -1.75e+00  
 1.48e+00 1.22e+00 1.71e+00 -3.40e-01 -3.50e-01 -3.40e-01 5.55e+00  
 4.52e+00 6.74e+00 -1.70e-01 -1.50e-01 -1.80e-01 2.21e+00 1.80e+00  
 8.00e-02], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.007e+03 5.000e+00 -1.000e-01 0.000e+00 -1.300e-01 -1.000e-02  
 2.000e-02 -4.000e-02 -1.800e-01 -5.000e-02 -2.100e-01 -2.000e-02  
 6.000e-02 -4.000e-02 -1.000e-02 1.000e-02 -4.000e-02 -2.600e-01  
 -1.300e-01 -2.800e-01 -9.000e-02 -1.300e-01 -5.000e-02 -4.800e-01  
 -6.000e-02 -6.700e-01 -2.700e-01 -2.500e-01 -2.200e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.009e+03 3.000e+00 -1.100e-01 9.000e-02 -1.900e-01 -9.000e-02  
 1.700e-01 -2.500e-01 -1.400e-01 -1.000e-01 -1.500e-01 -3.700e-01  
 -2.800e-01 -4.000e-01 8.000e-02 3.000e-01 -1.200e-01 -3.000e-02  
 3.000e-02 -4.000e-02 1.920e+00 1.630e+00 2.250e+00 2.800e-01  
 4.900e-01 1.900e-01 -4.100e-01 -5.700e-01 -4.000e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 1.000e+00 -1.200e-01 -2.100e-01 -9.000e-02 -2.200e-01  
 -3.600e-01 -1.400e-01 -2.000e-02 1.300e-01 -5.000e-02 9.000e-02  
 3.000e-02 1.000e-01 -3.900e-01 -4.600e-01 -3.200e-01 -7.000e-02  
 2.200e-01 -1.200e-01 -2.830e+00 -2.590e+00 -3.100e+00 1.500e-01  
 4.200e-01 3.000e-02 2.310e+00 2.540e+00 1.400e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.987e+03 8.000e+00 3.300e-01 8.100e-01 1.500e-01 9.000e-01  
 9.500e-01 8.600e-01 -2.300e-01 5.100e-01 -3.800e-01 7.400e-01  
 7.600e-01 7.400e-01 1.000e+00 1.010e+00 9.800e-01 -7.600e-01  
 2.700e-01 -9.400e-01 5.600e-01 5.700e-01 5.500e-01 -9.200e-01  
 -7.600e-01 -1.000e+00 9.300e-01 6.900e-01 6.600e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.016e+03 3.000e+00 6.400e-01 8.300e-01 5.700e-01 8.000e-01  
 9.900e-01 6.800e-01 4.800e-01 4.600e-01 4.900e-01 1.010e+00  
 1.000e+00 1.020e+00 6.900e-01 9.900e-01 4.200e-01 2.100e-01  
 4.000e-02 2.400e-01 1.250e+00 1.300e+00 1.190e+00 -3.900e-01  
 -2.600e-01 -4.400e-01 1.100e+00 1.160e+00 4.800e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.981e+03 3.000e+00 1.400e-01 -5.000e-02 2.200e-01 9.000e-02  
 -1.400e-01 2.500e-01 1.900e-01 1.500e-01 1.900e-01 -2.000e-02  
 -1.000e-02 -2.000e-02 1.600e-01 -1.700e-01 4.500e-01 2.900e-01  
 2.400e-01 3.000e-01 2.130e+00 1.330e+00 3.050e+00 9.400e-01  
 1.130e+00 8.600e-01 -4.000e-01 -3.800e-01 -7.300e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.997e+03 4.000e+00 -3.900e-01 -4.800e-01 -3.500e-01 -4.100e-01  
 -4.300e-01 -4.000e-01 -3.600e-01 -5.900e-01 -3.100e-01 -4.500e-01  
 -6.000e-01 -4.000e-01 -4.000e-01 -3.700e-01 -4.200e-01 -3.100e-01  
 -6.400e-01 -2.500e-01 5.000e-02 6.800e-01 -6.700e-01 -4.100e-01  
 -8.200e-01 -2.100e-01 -1.800e+00 -1.490e+00 -7.300e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.987e+03 7.000e+00 1.400e-01 9.000e-02 1.600e-01 1.300e-01  
 -4.000e-02 2.400e-01 1.500e-01 3.900e-01 1.000e-01 3.600e-01  
 3.900e-01 3.500e-01 3.000e-02 -1.400e-01 1.700e-01 3.000e-02  
 3.300e-01 -3.000e-02 0.000e+00 -4.000e-02 4.000e-02 -4.600e-01  
 1.000e-02 -6.800e-01 1.300e-01 1.200e-01 4.000e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.005e+03 2.000e+00 4.000e-02 -2.000e-01 1.300e-01 -6.000e-02  
 -3.900e-01 1.500e-01 1.300e-01 2.100e-01 1.100e-01 4.200e-01  
 4.800e-01 4.000e-01 -3.200e-01 -6.200e-01 -6.000e-02 0.000e+00  
 5.000e-02 -1.000e-02 -6.700e-01 -7.300e-01 -6.000e-01 3.000e-02  
 1.200e-01 -2.000e-02 2.500e-01 1.600e-01 -2.000e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.985e+03 7.000e+00 3.700e-01 4.200e-01 3.600e-01 4.400e-01  
 3.800e-01 4.800e-01 3.100e-01 5.100e-01 2.600e-01 9.400e-01  
 9.100e-01 9.500e-01 1.300e-01 2.100e-01 5.000e-02 3.000e-02  
 3.000e-01 -2.000e-02 3.400e-01 5.800e-01 5.000e-02 9.600e-01  
 1.520e+00 7.000e-01 -1.300e-01 -1.700e-01 -5.900e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.021e+03 6.000e+00 -9.000e-02 9.000e-02 -1.600e-01 2.400e-01  
 2.700e-01 2.200e-01 -4.100e-01 -3.000e-01 -4.400e-01 -2.000e-02  
 1.000e-02 -3.000e-02 3.600e-01 3.300e-01 3.900e-01 -6.100e-01  
 -5.200e-01 -6.200e-01 5.500e-01 4.200e-01 7.000e-01 -1.090e+00  
 -1.160e+00 -1.050e+00 3.500e-01 4.200e-01 -3.000e-02], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.999e+03 4.000e+00 -3.000e-01 -4.800e-01 -2.300e-01 -5.600e-01  
 -7.400e-01 -4.400e-01 -4.000e-02 1.200e-01 -8.000e-02 3.100e-01  
 1.800e-01 3.500e-01 -1.040e+00 -9.800e-01 -1.100e+00 -2.100e-01  
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 6.400e-01 6.300e-01 -1.120e+00 -1.230e+00 -2.200e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.981e+03 8.000e+00 -3.000e-02 4.000e-02 -6.000e-02 6.000e-02  
 1.000e-02 1.000e-01 -1.300e-01 1.100e-01 -1.800e-01 5.000e-02  
 3.000e-02 5.000e-02 8.000e-02 1.000e-02 1.400e-01 -2.300e-01  
 1.400e-01 -3.000e-01 8.000e-02 -3.000e-02 2.100e-01 -2.400e-01  
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Test Point: [ 2.02e+03 9.00e+00 -4.90e-01 -7.90e-01 -3.70e-01 -6.00e-01 -6.90e-01  
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 -7.40e-01 -7.70e-01 -7.00e-01 -4.70e-01 -1.50e+00 -2.80e-01 -1.50e-01  
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Test Point: [ 1.982e+03 5.000e+00 8.000e-02 1.200e-01 7.000e-02 1.600e-01  
 2.100e-01 1.300e-01 0.000e+00 -8.000e-02 2.000e-02 3.000e-02  
 0.000e+00 4.000e-02 2.300e-01 2.700e-01 1.900e-01 -1.000e-02  
 -1.600e-01 1.000e-02 1.360e+00 1.240e+00 1.490e+00 -1.500e-01  
 -4.700e-01 -1.000e-02 -6.000e-02 9.000e-02 -1.000e-02], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.979e+03 8.000e+00 7.400e-01 8.700e-01 6.800e-01 9.700e-01  
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 5.500e-01 5.900e-01 1.180e+00 1.130e+00 1.220e+00 4.600e-01  
 5.800e-01 4.400e-01 1.300e+00 1.340e+00 1.260e+00 -5.300e-01  
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Test Point: [ 1.988e+03 1.200e+01 -3.300e-01 -1.800e-01 -3.900e-01 -4.000e-01  
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 -2.400e-01 8.000e-02 -1.700e-01 3.700e-01 -7.900e-01 2.100e-01  
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Test Point: [ 1.988e+03 4.000e+00 -3.000e-02 -5.000e-02 -3.000e-02 -1.900e-01  
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 1.300e-01 1.900e-01 -8.000e-01 -6.700e-01 -9.500e-01 3.500e-01  
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Test Point: [ 1.984e+03 4.000e+00 -2.100e-01 -8.000e-02 -2.600e-01 -6.000e-02  
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 -3.400e-01 -3.800e-01 1.000e-01 1.300e-01 8.000e-02 -3.500e-01  
 -3.100e-01 -3.600e-01 1.360e+00 1.210e+00 1.540e+00 -3.200e-01  
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Test Point: [ 1.998e+03 3.000e+00 3.500e-01 -2.000e-02 4.900e-01 3.000e-01  
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 9.200e-01 1.070e+00 -9.000e-02 -3.800e-01 1.700e-01 6.000e-02  
 -3.500e-01 1.300e-01 -2.500e-01 -3.100e-01 -1.700e-01 -7.700e-01  
 -1.260e+00 -5.300e-01 -8.700e-01 -3.500e-01 3.500e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.99e+03 8.00e+00 3.60e-01 4.10e-01 3.40e-01 5.80e-01 5.40e-01  
 6.20e-01 1.40e-01 1.30e-01 1.40e-01 7.80e-01 8.20e-01 7.70e-01  
 4.40e-01 4.60e-01 4.10e-01 -1.50e-01 -3.80e-01 -1.10e-01 2.60e-01  
 3.80e-01 1.30e-01 -2.50e-01 -6.50e-01 -6.00e-02 7.60e-01 5.70e-01  
 -5.80e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.01e+03 2.00e+00 3.00e-01 2.50e-01 3.20e-01 2.20e-01 1.40e-01  
 2.70e-01 3.90e-01 5.20e-01 3.60e-01 7.20e-01 6.90e-01 7.20e-01  
 -6.00e-02 1.00e-02 -1.30e-01 2.40e-01 3.40e-01 2.20e-01 7.20e-01  
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Test Point: [ 2.01e+03 2.00e+00 3.00e-01 1.80e-01 3.50e-01 4.60e-01 1.80e-01  
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 5.60e-01 1.50e-01 9.30e-01 8.00e-02 1.10e-01 7.00e-02 3.25e+00  
 2.53e+00 4.07e+00 1.60e-01 3.40e-01 8.00e-02 1.20e-01 3.00e-01  
 -4.50e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.983e+03 8.000e+00 9.300e-01 9.100e-01 9.400e-01 1.150e+00  
 9.400e-01 1.290e+00 7.200e-01 8.400e-01 6.900e-01 1.340e+00  
 1.280e+00 1.350e+00 1.040e+00 8.300e-01 1.220e+00 4.000e-01  
 5.500e-01 3.800e-01 7.900e-01 7.800e-01 8.100e-01 -6.300e-01  
 -9.600e-01 -4.800e-01 3.700e-01 4.800e-01 2.360e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.979e+03 5.000e+00 2.000e-02 -7.000e-02 6.000e-02 8.000e-02  
 -7.000e-02 1.800e-01 -4.000e-02 -7.000e-02 -3.000e-02 2.600e-01  
 2.100e-01 2.700e-01 -1.000e-02 -1.400e-01 1.100e-01 -1.900e-01  
 -3.000e-01 -1.700e-01 -2.200e-01 -2.400e-01 -2.000e-01 -8.600e-01  
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Test Point: [2.016e+03 9.000e+00 2.900e-01 2.200e-01 3.200e-01 1.500e-01 2.200e-01  
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 1.900e-01 2.500e-01 1.300e-01 6.400e-01 3.500e-01 6.900e-01 4.500e-01  
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Test Point: [ 1.99e+03 6.00e+00 4.50e-01 4.40e-01 4.50e-01 7.20e-01 5.80e-01  
 8.10e-01 1.70e-01 1.20e-01 1.80e-01 1.15e+00 1.23e+00 1.13e+00  
 4.40e-01 3.90e-01 4.80e-01 -2.90e-01 -6.60e-01 -2.20e-01 1.40e-01  
 1.90e-01 9.00e-02 -2.50e-01 -8.40e-01 3.00e-02 1.60e-01 1.30e-01  
 -9.60e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.982e+03 3.000e+00 9.300e-01 1.240e+00 8.000e-01 1.120e+00  
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 5.300e-01 4.700e-01 1.440e+00 1.690e+00 1.210e+00 8.800e-01  
 9.300e-01 8.800e-01 -1.000e-02 6.200e-01 -7.400e-01 1.090e+00  
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Test Point: [ 2.002e+03 9.000e+00 2.000e-02 3.300e-01 -1.100e-01 -5.500e-01  
 -3.000e-01 -7.100e-01 5.800e-01 1.760e+00 3.400e-01 -1.430e+00  
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 4.140e+00 1.290e+00 -1.000e-02 1.600e-01 -2.000e-01 9.590e+00  
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Test Point: [ 1.985e+03 3.000e+00 -3.700e-01 -4.400e-01 -3.300e-01 -5.400e-01  
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Test Point: [ 1.985e+03 9.000e+00 4.700e-01 3.700e-01 5.100e-01 8.700e-01  
 5.400e-01 1.080e+00 7.000e-02 -4.000e-02 9.000e-02 1.280e+00  
 1.270e+00 1.280e+00 6.100e-01 3.300e-01 8.500e-01 -5.200e-01  
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Test Point: [ 1.983e+03 1.200e+01 -3.300e-01 -4.000e-01 -3.100e-01 -2.700e-01  
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 -5.500e-01 -4.500e-01 -1.700e-01 -2.900e-01 -5.000e-02 -3.600e-01  
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Test Point: [ 2.021e+03 1.000e+01 1.000e-01 2.500e-01 4.000e-02 4.100e-01  
 4.000e-01 4.100e-01 -2.100e-01 -9.000e-02 -2.400e-01 5.300e-01  
 5.700e-01 5.100e-01 3.500e-01 3.500e-01 3.500e-01 -6.100e-01  
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 5.400e-01 2.700e-01 5.300e-01 7.500e-01 3.300e-01 2.500e-01  
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Test Point: [ 2.021e+03 1.200e+01 -1.500e-01 -3.600e-01 -6.000e-02 -2.000e-02  
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 1.500e-01 4.700e-01 -2.300e-01 -2.300e-01 -2.400e-01 -6.400e-01  
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 -4.870e+00 -2.320e+00 -7.700e-01 -1.000e+00 1.120e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.0e+03 5.0e+00 -2.0e-01 -2.1e-01 -1.9e-01 -2.1e-01 -2.3e-01 -2.0e-01  
 -1.8e-01 -1.7e-01 -1.8e-01 -1.5e-01 -1.0e-01 -1.7e-01 -2.5e-01 -2.7e-01  
 -2.4e-01 -1.9e-01 -2.2e-01 -1.8e-01 -6.1e-01 -7.9e-01 -4.0e-01 -6.3e-01  
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Test Point: [ 2.018e+03 2.000e+00 -3.000e-02 1.600e-01 -1.100e-01 1.400e-01  
 3.300e-01 1.000e-02 -2.000e-01 -2.400e-01 -1.900e-01 -3.300e-01  
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Test Point: [ 2.00e+03 3.00e+00 6.00e-02 2.80e-01 -2.00e-02 3.80e-01 4.20e-01  
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 1.90e-01 3.70e-01 3.00e-02 -7.00e-01 -4.90e-01 -7.40e-01 -7.00e-02  
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Test Point: [ 1.983e+03 1.000e+01 1.140e+00 8.900e-01 1.240e+00 1.180e+00  
 8.000e-01 1.420e+00 1.110e+00 1.100e+00 1.110e+00 1.520e+00  
 1.550e+00 1.510e+00 1.000e+00 6.100e-01 1.350e+00 8.900e-01  
 7.100e-01 9.200e-01 5.500e-01 5.600e-01 5.400e-01 7.000e-02  
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Test Point: [ 2.002e+03 6.000e+00 1.900e-01 -4.000e-02 2.800e-01 -8.000e-02  
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 -1.000e-02 -6.000e-02 -1.500e-01 -1.800e-01 -1.300e-01 7.800e-01  
 3.500e-01 8.600e-01 -2.700e-01 -3.200e-01 -2.000e-01 1.440e+00  
 2.060e+00 1.140e+00 -2.000e-01 -1.800e-01 -1.520e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.998e+03 1.200e+01 7.000e-02 1.200e-01 6.000e-02 1.600e-01  
 3.200e-01 6.000e-02 -1.000e-02 -3.300e-01 6.000e-02 -9.000e-02  
 3.000e-02 -1.200e-01 3.100e-01 4.000e-01 2.300e-01 1.000e-02  
 -6.000e-01 1.200e-01 7.600e-01 4.800e-01 1.080e+00 -1.220e+00  
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Test Point: [ 1.999e+03 1.000e+01 -3.400e-01 -2.500e-01 -3.800e-01 -2.000e-01  
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Test Point: [ 2.0e+03 7.0e+00 -3.8e-01 -2.5e-01 -4.3e-01 -3.4e-01 -2.8e-01 -3.7e-01  
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 1.640e+00 2.020e+00 1.310e+00 1.230e+00 1.050e+00 1.260e+00 4.360e+00  
 4.380e+00 4.330e+00 9.600e-01 1.070e+00 9.000e-01 5.900e-01 4.700e-01  
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Test Point: [ 1.983e+03 7.000e+00 2.100e-01 9.000e-02 2.500e-01 2.200e-01  
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 5.500e-01 5.400e-01 5.000e-02 -5.000e-02 1.300e-01 2.000e-02  
 -1.900e-01 6.000e-02 7.000e-02 -5.000e-02 2.000e-01 -3.900e-01  
 -8.500e-01 -1.700e-01 9.000e-02 9.000e-02 2.200e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.984e+03 3.000e+00 2.800e-01 1.100e+00 -4.000e-02 1.080e+00  
 1.840e+00 6.000e-01 -5.300e-01 -5.900e-01 -5.100e-01 -9.500e-01  
 -8.400e-01 -9.800e-01 2.120e+00 2.530e+00 1.750e+00 -2.700e-01  
 -3.400e-01 -2.600e-01 6.930e+00 6.680e+00 7.230e+00 -2.000e-01  
 -1.100e-01 -2.400e-01 5.700e-01 9.200e-01 -3.700e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.998e+03 1.200e+01 1.300e-01 1.900e-01 1.000e-01 1.100e-01  
 3.300e-01 -3.000e-02 1.400e-01 -1.200e-01 2.000e-01 -1.000e-01  
 5.000e-02 -1.400e-01 2.400e-01 4.000e-01 9.000e-02 2.500e-01  
 -2.400e-01 3.400e-01 -4.000e-02 -1.900e-01 1.200e-01 -5.100e-01  
 -8.100e-01 -3.700e-01 7.000e-01 5.000e-01 4.000e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 2.003e+03 4.000e+00 1.300e-01 1.700e-01 1.100e-01 1.600e-01  
 2.900e-01 8.000e-02 1.000e-01 -9.000e-02 1.400e-01 -3.300e-01  
 -2.800e-01 -3.500e-01 4.000e-01 4.300e-01 3.800e-01 3.400e-01  
 8.000e-02 3.900e-01 1.380e+00 1.420e+00 1.330e+00 -4.000e-02  
 -2.700e-01 7.000e-02 4.100e-01 6.900e-01 4.600e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.991e+03 1.200e+01 1.480e+00 1.550e+00 1.460e+00 1.290e+00  
 1.350e+00 1.260e+00 1.680e+00 1.990e+00 1.610e+00 1.300e+00  
 1.430e+00 1.260e+00 1.240e+00 1.300e+00 1.190e+00 1.920e+00  
 2.500e+00 1.820e+00 -1.200e+00 -7.200e-01 -1.760e+00 2.200e+00  
 2.800e+00 1.920e+00 1.070e+00 1.090e+00 2.980e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.011e+03 6.000e+00 -3.400e-01 -3.100e-01 -3.600e-01 -2.500e-01  
 -2.900e-01 -2.300e-01 -4.300e-01 -3.600e-01 -4.500e-01 -1.600e-01  
 -2.800e-01 -1.300e-01 -2.800e-01 -2.900e-01 -2.600e-01 -6.000e-01  
 -4.300e-01 -6.300e-01 -2.500e-01 -1.100e-01 -4.100e-01 -1.220e+00  
 -1.440e+00 -1.120e+00 -2.900e-01 -2.400e-01 3.500e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.999e+03 7.000e+00 -1.500e-01 -6.000e-02 -1.900e-01 -1.200e-01  
 -1.000e-02 -1.900e-01 -1.900e-01 -1.800e-01 -1.900e-01 -4.100e-01  
 -3.700e-01 -4.200e-01 5.000e-02 1.000e-01 0.000e+00 -8.000e-02  
 -6.000e-02 -8.000e-02 -1.000e-01 -2.700e-01 1.000e-01 -1.200e-01  
 -5.400e-01 9.000e-02 3.300e-01 3.400e-01 5.200e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.992e+03 4.000e+00 1.250e+00 1.330e+00 1.230e+00 1.380e+00  
 1.430e+00 1.350e+00 1.130e+00 1.090e+00 1.140e+00 1.030e+00  
 1.120e+00 1.010e+00 1.550e+00 1.500e+00 1.600e+00 1.190e+00  
 1.110e+00 1.200e+00 2.240e+00 1.680e+00 2.890e+00 6.000e-01  
 1.400e-01 8.100e-01 -2.900e-01 -4.100e-01 1.740e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.016e+03 1.000e+00 -3.000e-02 -2.500e-01 5.000e-02 -2.700e-01  
 -5.500e-01 -9.000e-02 2.000e-01 4.300e-01 1.500e-01 2.500e-01  
 3.400e-01 2.200e-01 -5.300e-01 -8.100e-01 -2.800e-01 1.700e-01  
 5.600e-01 1.000e-01 -6.130e+00 -5.670e+00 -6.670e+00 1.400e-01  
 2.600e-01 9.000e-02 2.960e+00 2.860e+00 1.380e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.013e+03 1.200e+01 3.000e-02 1.100e-01 0.000e+00 -7.000e-02  
 -1.200e-01 -4.000e-02 1.300e-01 6.100e-01 3.000e-02 -2.000e-02  
 1.000e-02 -3.000e-02 -1.000e-01 -1.400e-01 -5.000e-02 2.100e-01  
 1.050e+00 6.000e-02 -4.800e-01 -1.800e-01 -8.200e-01 1.380e+00  
 2.230e+00 9.800e-01 -7.400e-01 -5.600e-01 2.000e-02], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.998e+03 1.200e+01 -1.000e-01 -1.600e-01 -8.000e-02 3.600e-01  
 1.100e-01 5.300e-01 -5.700e-01 -7.800e-01 -5.300e-01 2.300e-01  
 1.600e-01 2.500e-01 4.700e-01 1.100e-01 7.900e-01 -1.030e+00  
 -1.550e+00 -9.400e-01 5.820e+00 4.560e+00 7.260e+00 -2.650e+00  
 -3.640e+00 -2.190e+00 -1.730e+00 -9.900e-01 -3.700e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.02e+03 8.00e+00 -5.10e-01 -4.80e-01 -5.20e-01 -6.90e-01 -6.50e-01  
 -7.20e-01 -3.30e-01 -9.00e-02 -3.80e-01 -5.80e-01 -6.60e-01 -5.50e-01  
 -7.20e-01 -6.30e-01 -8.00e-01 -2.30e-01 2.80e-01 -3.20e-01 -4.70e-01  
 -3.10e-01 -6.60e-01 -5.50e-01 5.60e-01 -1.07e+00 -5.80e-01 -4.10e-01  
 6.20e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.004e+03 7.000e+00 -2.100e-01 -3.000e-01 -1.700e-01 -2.000e-01  
 -2.600e-01 -1.600e-01 -2.100e-01 -4.000e-01 -1.700e-01 -2.700e-01  
 -3.000e-01 -2.600e-01 -1.600e-01 -2.500e-01 -9.000e-02 -1.800e-01  
 -4.800e-01 -1.200e-01 1.900e-01 1.600e-01 2.300e-01 6.000e-02  
 -5.800e-01 3.700e-01 -2.000e-01 -1.600e-01 -5.700e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 1.100e+01 -3.000e-02 1.800e-01 -1.200e-01 -1.100e-01  
 7.000e-02 -2.300e-01 4.000e-02 4.300e-01 -4.000e-02 -1.300e-01  
 -9.000e-02 -1.400e-01 -1.100e-01 1.000e-01 -3.000e-01 1.400e-01  
 8.700e-01 1.000e-02 -6.700e-01 -3.400e-01 -1.040e+00 9.300e-01  
 1.980e+00 4.300e-01 -1.800e-01 -2.400e-01 -1.500e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.979e+03 9.000e+00 7.500e-01 8.500e-01 7.100e-01 9.800e-01  
 9.800e-01 9.800e-01 5.200e-01 5.300e-01 5.100e-01 6.000e-01  
 6.200e-01 5.900e-01 1.190e+00 1.070e+00 1.290e+00 4.700e-01  
 5.000e-01 4.700e-01 1.110e+00 9.400e-01 1.310e+00 -2.500e-01  
 -3.600e-01 -2.000e-01 4.200e-01 4.800e-01 1.200e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.986e+03 9.000e+00 2.300e-01 1.300e-01 2.600e-01 1.200e-01  
 2.500e-01 3.000e-02 3.300e-01 -1.300e-01 4.300e-01 -3.500e-01  
 -2.600e-01 -3.700e-01 3.600e-01 3.700e-01 3.600e-01 6.900e-01  
 0.000e+00 8.100e-01 6.100e-01 5.300e-01 7.200e-01 1.620e+00  
 2.000e-01 2.290e+00 9.600e-01 7.000e-01 -3.200e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.984e+03 5.000e+00 -2.200e-01 -2.300e-01 -2.200e-01 -3.800e-01  
 -3.500e-01 -4.000e-01 -6.000e-02 5.000e-02 -8.000e-02 -3.700e-01  
 -2.800e-01 -4.000e-01 -3.800e-01 -3.600e-01 -3.900e-01 1.000e-01  
 2.600e-01 7.000e-02 -3.100e-01 -5.000e-01 -9.000e-02 6.400e-01  
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Test Point: [ 1.981e+03 1.200e+01 2.000e-01 1.900e-01 2.100e-01 1.500e-01  
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 -5.000e-02 -8.000e-02 2.500e-01 1.000e-02 4.600e-01 4.400e-01  
 1.120e+00 3.200e-01 1.090e+00 7.300e-01 1.510e+00 1.830e+00  
 2.650e+00 1.440e+00 7.800e-01 8.600e-01 2.400e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.006e+03 2.000e+00 -9.000e-02 -6.000e-02 -1.000e-01 -7.000e-02  
 2.000e-02 -1.300e-01 -1.100e-01 -2.300e-01 -8.000e-02 -1.300e-01  
 -1.000e-01 -1.400e-01 -3.000e-02 5.000e-02 -9.000e-02 -1.000e-01  
 -3.300e-01 -6.000e-02 2.840e+00 2.030e+00 3.760e+00 -5.700e-01  
 -5.900e-01 -5.600e-01 -9.500e-01 -1.140e+00 -3.400e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.984e+03 4.000e+00 -3.200e-01 -3.900e-01 -2.900e-01 -3.700e-01  
 -4.100e-01 -3.400e-01 -2.600e-01 -3.500e-01 -2.500e-01 -3.200e-01  
 -3.300e-01 -3.200e-01 -4.000e-01 -4.600e-01 -3.500e-01 -2.300e-01  
 -2.800e-01 -2.200e-01 -4.800e-01 -5.800e-01 -3.700e-01 -8.000e-02  
 1.000e-02 -1.200e-01 -7.400e-01 -9.500e-01 -5.200e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 2.013e+03 7.000e+00 8.000e-02 2.300e-01 2.000e-02 4.800e-01  
 4.800e-01 4.900e-01 -3.200e-01 -3.100e-01 -3.200e-01 6.900e-01  
 6.900e-01 6.900e-01 3.400e-01 3.900e-01 3.000e-01 -8.100e-01  
 -9.600e-01 -7.900e-01 5.300e-01 5.900e-01 4.600e-01 -8.800e-01  
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Test Point: [ 1.982e+03 6.000e+00 1.600e-01 1.800e-01 1.500e-01 3.100e-01  
 1.900e-01 3.800e-01 2.000e-02 1.700e-01 -2.000e-02 3.200e-01  
 2.200e-01 3.500e-01 3.000e-01 1.800e-01 4.000e-01 -1.400e-01  
 1.400e-01 -1.900e-01 7.000e-01 7.200e-01 6.800e-01 -7.100e-01  
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Test Point: [ 2.012e+03 1.000e+01 1.200e-01 6.000e-02 1.400e-01 -1.900e-01  
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 -2.300e-01 -2.700e-01 -1.500e-01 -2.300e-01 -8.000e-02 7.900e-01  
 1.420e+00 6.800e-01 -3.900e-01 -3.900e-01 -4.000e-01 3.280e+00  
 3.660e+00 3.100e+00 -1.900e-01 -2.400e-01 -1.700e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 1.000e+00 1.200e-01 2.600e-01 7.000e-02 2.400e-01  
 3.900e-01 1.400e-01 0.000e+00 -5.000e-02 2.000e-02 -2.000e-01  
 -1.400e-01 -2.200e-01 4.600e-01 5.200e-01 4.000e-01 1.300e-01  
 5.000e-02 1.400e-01 5.200e-01 8.500e-01 1.400e-01 4.100e-01  
 4.600e-01 3.800e-01 -1.900e-01 -3.000e-02 -1.900e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.98e+03 4.00e+00 5.30e-01 8.90e-01 3.90e-01 6.50e-01 1.01e+00  
 4.20e-01 4.20e-01 6.20e-01 3.80e-01 -4.00e-01 -3.10e-01 -4.30e-01  
 1.19e+00 1.35e+00 1.04e+00 8.60e-01 1.32e+00 7.80e-01 3.13e+00  
 3.19e+00 3.05e+00 1.41e+00 2.51e+00 8.90e-01 1.05e+00 1.35e+00  
 2.20e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.003e+03 1.100e+01 4.000e-02 -2.900e-01 1.700e-01 -1.300e-01  
 -4.300e-01 6.000e-02 2.100e-01 4.000e-02 2.400e-01 1.700e-01  
 1.200e-01 1.900e-01 -2.800e-01 -5.700e-01 -2.000e-02 2.100e-01  
 -4.000e-02 2.600e-01 -6.400e-01 -8.800e-01 -3.600e-01 -3.000e-02  
 -2.600e-01 8.000e-02 -3.100e-01 -4.500e-01 -4.000e-02], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.979e+03 7.000e+00 -5.000e-02 -1.900e-01 1.000e-02 -2.000e-02  
 -1.600e-01 7.000e-02 -7.000e-02 -2.400e-01 -3.000e-02 1.800e-01  
 1.500e-01 1.900e-01 -1.400e-01 -2.500e-01 -4.000e-02 -1.900e-01  
 -5.200e-01 -1.300e-01 -2.600e-01 -2.800e-01 -2.400e-01 -1.080e+00  
 -1.490e+00 -8.900e-01 -1.800e-01 -1.600e-01 2.000e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 1.000e+00 7.800e-01 9.800e-01 7.000e-01 1.010e+00  
 1.290e+00 8.300e-01 5.500e-01 2.700e-01 6.100e-01 1.000e-02  
 -2.000e-02 1.000e-02 1.500e+00 1.600e+00 1.400e+00 8.800e-01  
 5.800e-01 9.300e-01 1.600e+00 2.170e+00 9.400e-01 3.900e-01  
 3.800e-01 3.900e-01 2.000e-01 4.700e-01 2.200e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.009e+03 3.000e+00 -2.500e-01 -2.700e-01 -2.500e-01 -2.900e-01  
 -3.000e-01 -2.800e-01 -2.200e-01 -2.000e-01 -2.200e-01 -1.500e-01  
 -3.300e-01 -9.000e-02 -3.800e-01 -3.000e-01 -4.600e-01 -2.400e-01  
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Test Point: [ 2.021e+03 8.000e+00 -2.300e-01 -1.500e-01 -2.700e-01 -2.000e-02  
 -1.000e-01 3.000e-02 -4.400e-01 -2.600e-01 -4.800e-01 2.400e-01  
 1.600e-01 2.600e-01 -1.600e-01 -1.600e-01 -1.500e-01 -8.000e-01  
 -5.700e-01 -8.400e-01 -4.400e-01 -6.000e-01 -2.700e-01 -2.130e+00  
 -2.170e+00 -2.110e+00 -9.000e-02 -9.000e-02 6.400e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.992e+03 6.000e+00 2.300e-01 -2.000e-02 3.200e-01 -1.500e-01  
 -2.900e-01 -5.000e-02 6.000e-01 6.100e-01 6.000e-01 2.000e-01  
 1.300e-01 2.200e-01 -3.100e-01 -3.900e-01 -2.300e-01 7.900e-01  
 9.200e-01 7.700e-01 -3.600e-01 -3.500e-01 -3.700e-01 1.140e+00  
 1.810e+00 8.200e-01 -2.500e-01 -2.600e-01 3.700e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.02e+03 1.20e+01 -3.00e-02 -2.70e-01 7.00e-02 8.00e-02 0.00e+00  
 1.30e-01 -1.30e-01 -8.80e-01 3.00e-02 1.90e-01 2.50e-01 1.70e-01  
 3.00e-02 -7.00e-02 1.10e-01 -3.10e-01 -1.73e+00 -6.00e-02 -5.70e-01  
 -2.90e-01 -8.80e-01 -3.27e+00 -4.96e+00 -2.47e+00 -7.00e-02 1.40e-01  
 6.20e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.979e+03 1.000e+01 1.300e-01 5.000e-02 1.600e-01 -9.000e-02  
 -1.800e-01 -2.000e-02 3.500e-01 5.900e-01 3.000e-01 -3.000e-02  
 -3.000e-02 -3.000e-02 -1.100e-01 -2.100e-01 -2.000e-02 5.400e-01  
 1.020e+00 4.600e-01 -2.400e-01 -1.300e-01 -3.600e-01 1.500e+00  
 2.330e+00 1.110e+00 7.000e-02 1.300e-01 1.900e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 7.000e+00 6.000e-02 6.000e-02 6.000e-02 1.300e-01  
 -1.000e-02 2.200e-01 -1.000e-02 2.300e-01 -6.000e-02 3.200e-01  
 2.900e-01 3.300e-01 4.000e-02 -8.000e-02 1.400e-01 -2.000e-01  
 1.500e-01 -2.600e-01 3.500e-01 2.000e-01 5.300e-01 -6.100e-01  
 -2.500e-01 -7.800e-01 -1.800e-01 -1.200e-01 3.700e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [1.991e+03 6.000e+00 1.900e-01 1.900e-01 1.900e-01 1.300e-01 9.000e-02  
 1.600e-01 2.500e-01 4.400e-01 2.200e-01 2.800e-01 3.000e-01 2.800e-01  
 5.000e-02 3.000e-02 8.000e-02 2.300e-01 5.300e-01 1.800e-01 1.000e-02  
 1.000e-02 2.000e-02 3.700e-01 9.600e-01 9.000e-02 2.000e-02 4.000e-02  
 3.500e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.996e+03 3.000e+00 -1.000e-01 4.300e-01 -3.100e-01 2.900e-01  
 8.200e-01 -5.000e-02 -5.000e-01 -4.800e-01 -5.100e-01 -5.900e-01  
 -5.700e-01 -5.900e-01 7.100e-01 1.180e+00 3.000e-01 -4.100e-01  
 -3.600e-01 -4.200e-01 1.000e-02 1.050e+00 -1.170e+00 -4.200e-01  
 -4.200e-01 -4.200e-01 1.530e+00 1.560e+00 -3.500e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.983e+03 4.000e+00 1.500e-01 -1.000e-01 2.500e-01 -1.000e-02  
 -2.300e-01 1.300e-01 3.100e-01 1.900e-01 3.300e-01 4.500e-01  
 3.800e-01 4.700e-01 -2.500e-01 -3.900e-01 -1.300e-01 2.300e-01  
 2.000e-02 2.700e-01 2.000e-02 1.000e-01 -8.000e-02 3.200e-01  
 3.800e-01 2.900e-01 -1.610e+00 -1.400e+00 -5.200e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.982e+03 9.000e+00 1.520e+00 1.670e+00 1.460e+00 1.970e+00  
 1.740e+00 2.120e+00 1.070e+00 1.510e+00 9.800e-01 2.510e+00  
 2.480e+00 2.520e+00 1.730e+00 1.570e+00 1.870e+00 2.800e-01  
 7.100e-01 2.000e-01 1.870e+00 1.600e+00 2.180e+00 -8.800e-01  
 -6.300e-01 -9.900e-01 1.770e+00 1.610e+00 2.280e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.994e+03 3.000e+00 -3.100e-01 -4.100e-01 -2.700e-01 -3.400e-01  
 -3.500e-01 -3.400e-01 -2.800e-01 -5.500e-01 -2.200e-01 -2.500e-01  
 -3.300e-01 -2.200e-01 -3.700e-01 -3.500e-01 -3.900e-01 -3.100e-01  
 -7.200e-01 -2.400e-01 -1.320e+00 -9.300e-01 -1.780e+00 -3.400e-01  
 -8.500e-01 -9.000e-02 4.400e-01 3.500e-01 -9.000e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.997e+03 5.000e+00 -2.100e-01 -3.600e-01 -1.600e-01 -3.300e-01  
 -4.500e-01 -2.500e-01 -1.000e-01 -1.500e-01 -9.000e-02 -3.400e-01  
 -4.800e-01 -3.000e-01 -3.200e-01 -4.300e-01 -2.200e-01 3.000e-02  
 9.000e-02 2.000e-02 -1.800e-01 -2.500e-01 -1.100e-01 7.000e-01  
 5.000e-01 8.000e-01 -3.800e-01 -1.500e-01 -3.000e-02], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [1.981e+03 1.100e+01 9.100e-01 9.800e-01 8.800e-01 7.800e-01 8.400e-01  
 7.500e-01 1.030e+00 1.310e+00 9.700e-01 5.400e-01 5.000e-01 5.500e-01  
 9.200e-01 9.100e-01 9.400e-01 1.280e+00 1.970e+00 1.150e+00 1.430e+00  
 1.590e+00 1.250e+00 2.550e+00 3.710e+00 1.990e+00 8.600e-01 1.530e+00  
 7.500e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.989e+03 1.000e+00 -2.000e-01 -3.200e-01 -1.500e-01 -4.900e-01  
 -4.500e-01 -5.100e-01 9.000e-02 -3.000e-02 1.200e-01 -2.900e-01  
 -3.200e-01 -2.900e-01 -6.000e-01 -5.000e-01 -7.000e-01 3.100e-01  
 2.400e-01 3.200e-01 -3.910e+00 -3.680e+00 -4.180e+00 1.150e+00  
 1.190e+00 1.130e+00 8.300e-01 1.900e-01 -5.200e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.007e+03 7.000e+00 -2.600e-01 -5.600e-01 -1.400e-01 -7.600e-01  
 -6.200e-01 -8.500e-01 2.400e-01 -4.100e-01 3.800e-01 -1.210e+00  
 -1.210e+00 -1.210e+00 -4.800e-01 -4.500e-01 -5.000e-01 9.700e-01  
 1.500e-01 1.110e+00 -1.600e-01 -1.300e-01 -2.100e-01 1.090e+00  
 -1.500e-01 1.680e+00 -4.800e-01 -4.000e-01 -6.400e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.015e+03 3.000e+00 6.000e-02 -8.000e-02 1.100e-01 -3.000e-02  
 -1.500e-01 4.000e-02 1.500e-01 9.000e-02 1.700e-01 6.000e-02  
 1.000e-02 7.000e-02 -9.000e-02 -2.000e-01 1.000e-02 2.100e-01  
 1.500e-01 2.200e-01 -1.890e+00 -1.800e+00 -2.000e+00 2.000e-01  
 1.500e-01 2.200e-01 1.010e+00 8.000e-01 1.300e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 4.000e+00 -2.700e-01 -3.900e-01 -2.300e-01 -2.800e-01  
 -2.600e-01 -2.900e-01 -2.700e-01 -6.900e-01 -1.800e-01 -3.500e-01  
 -4.300e-01 -3.200e-01 -2.400e-01 -2.200e-01 -2.600e-01 -2.400e-01  
 -8.800e-01 -1.200e-01 -8.000e-02 4.000e-02 -2.200e-01 -6.300e-01  
 -1.280e+00 -3.200e-01 -8.600e-01 -9.000e-01 -6.900e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 2.005e+03 4.000e+00 1.800e-01 1.900e-01 1.800e-01 3.000e-01  
 2.600e-01 3.200e-01 6.000e-02 3.000e-02 7.000e-02 1.900e-01  
 1.700e-01 1.900e-01 3.500e-01 2.900e-01 4.000e-01 1.000e-02  
 -9.000e-02 2.000e-02 1.420e+00 1.300e+00 1.560e+00 -9.000e-02  
 -4.100e-01 6.000e-02 2.200e-01 2.400e-01 2.000e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.981e+03 8.000e+00 -2.100e-01 -9.000e-02 -2.500e-01 -1.800e-01  
 -1.900e-01 -1.700e-01 -2.400e-01 1.200e-01 -3.100e-01 -4.800e-01  
 -5.100e-01 -4.700e-01 -4.000e-02 -1.400e-01 4.000e-02 -8.000e-02  
 7.100e-01 -2.200e-01 2.000e-02 1.700e-01 -1.500e-01 1.140e+00  
 2.700e+00 4.000e-01 -2.000e-01 -2.800e-01 -5.200e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.992e+03 6.000e+00 -1.500e-01 -3.700e-01 -6.000e-02 -4.200e-01  
 -6.300e-01 -2.800e-01 1.200e-01 2.100e-01 1.000e-01 -1.000e-02  
 -7.000e-02 1.000e-02 -6.400e-01 -7.900e-01 -5.100e-01 2.000e-01  
 4.500e-01 1.600e-01 -8.600e-01 -1.030e+00 -6.600e-01 9.200e-01  
 1.270e+00 7.500e-01 -5.400e-01 -4.900e-01 -1.400e-01], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.979e+03 4.000e+00 1.200e-01 1.800e-01 1.000e-01 1.800e-01  
 2.100e-01 1.700e-01 6.000e-02 1.400e-01 5.000e-02 3.000e-01  
 2.600e-01 3.000e-01 1.200e-01 1.800e-01 6.000e-02 -5.000e-02  
 6.000e-02 -7.000e-02 8.200e-01 6.900e-01 9.700e-01 -1.000e-01  
 1.100e-01 -2.000e-01 -5.300e-01 -6.300e-01 1.700e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 1.200e+01 2.000e-02 9.000e-02 -1.000e-02 -1.000e-02  
 -6.000e-02 2.000e-02 4.000e-02 4.300e-01 -4.000e-02 -1.200e-01  
 -8.000e-02 -1.300e-01 4.000e-02 -5.000e-02 1.200e-01 1.300e-01  
 7.800e-01 2.000e-02 1.800e-01 5.200e-01 -2.100e-01 9.300e-01  
 1.370e+00 7.200e-01 -6.800e-01 -2.500e-01 1.300e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [2.016e+03 1.100e+01 3.500e-01 4.300e-01 3.100e-01 2.800e-01 2.900e-01  
 2.800e-01 4.100e-01 7.500e-01 3.400e-01 1.900e-01 1.900e-01 2.000e-01  
 3.200e-01 3.100e-01 3.300e-01 5.300e-01 1.180e+00 4.200e-01 1.070e+00  
 6.500e-01 1.550e+00 1.940e+00 2.900e+00 1.480e+00 1.320e+00 1.220e+00  
 2.000e-02], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.989e+03 9.000e+00 -2.200e-01 -1.300e-01 -2.500e-01 -1.000e-01  
 -1.100e-01 -1.000e-01 -3.400e-01 -1.900e-01 -3.700e-01 -4.000e-02  
 0.000e+00 -5.000e-02 -1.200e-01 -1.300e-01 -1.100e-01 -5.100e-01  
 -3.400e-01 -5.400e-01 -8.000e-02 -1.600e-01 1.000e-02 -1.310e+00  
 -1.000e+00 -1.460e+00 -1.500e-01 -1.500e-01 5.000e-02], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 2.015e+03 4.000e+00 -1.600e-01 -2.000e-01 -1.500e-01 -6.000e-02  
 -1.600e-01 0.000e+00 -2.600e-01 -3.000e-01 -2.600e-01 -5.300e-01  
 -4.700e-01 -5.500e-01 1.900e-01 -9.000e-02 4.300e-01 -1.300e-01  
 -1.400e-01 -1.200e-01 3.230e+00 2.490e+00 4.080e+00 5.200e-01  
 1.000e-02 7.600e-01 -3.100e-01 4.600e-01 -1.000e-02], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.99e+03 7.00e+00 4.10e-01 5.40e-01 3.50e-01 7.10e-01 5.80e-01  
 8.00e-01 1.00e-01 4.60e-01 3.00e-02 1.18e+00 1.25e+00 1.16e+00  
 4.10e-01 3.80e-01 4.30e-01 -4.10e-01 -7.00e-02 -4.70e-01 2.40e-01  
 2.90e-01 1.70e-01 -7.90e-01 -6.20e-01 -8.70e-01 5.60e-01 5.00e-01  
 1.40e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 2.015e+03 1.100e+01 1.100e-01 -3.000e-02 1.600e-01 2.200e-01  
 1.900e-01 2.400e-01 -1.000e-02 -5.300e-01 1.000e-01 7.200e-01  
 7.000e-01 7.300e-01 -3.000e-02 5.000e-02 -1.000e-01 -4.100e-01  
 -1.450e+00 -2.200e-01 -1.080e+00 -1.110e+00 -1.040e+00 -3.730e+00  
 -4.280e+00 -3.460e+00 7.000e-01 2.200e-01 6.200e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 3.000e+00 2.000e-01 3.400e-01 1.400e-01 2.400e-01  
 4.000e-01 1.400e-01 1.600e-01 2.200e-01 1.400e-01 -3.000e-02  
 -4.000e-02 -2.000e-02 3.600e-01 5.200e-01 2.200e-01 2.700e-01  
 4.000e-01 2.400e-01 -4.300e-01 -1.000e-01 -8.000e-01 6.000e-01  
 4.700e-01 6.500e-01 6.200e-01 7.300e-01 3.900e-01], True Label: Tropopause, Predicted Label: Tropopause  
Test Point: [ 1.98e+03 8.00e+00 -1.10e-01 -9.00e-02 -1.20e-01 -1.60e-01 -1.90e-01  
 -1.30e-01 -7.00e-02 1.40e-01 -1.10e-01 -1.50e-01 -2.10e-01 -1.30e-01  
 -1.70e-01 -2.00e-01 -1.50e-01 -1.00e-02 4.60e-01 -9.00e-02 -9.00e-02  
 3.00e-02 -2.30e-01 5.80e-01 1.23e+00 2.80e-01 -6.00e-02 -1.80e-01  
 4.00e-02], True Label: Mid, Predicted Label: Mid  
Test Point: [ 1.982e+03 9.000e+00 -4.700e-01 -5.700e-01 -4.300e-01 -4.200e-01  
 -3.300e-01 -4.700e-01 -5.100e-01 -1.100e+00 -3.900e-01 -4.800e-01  
 -5.900e-01 -4.500e-01 -4.400e-01 -3.300e-01 -5.400e-01 -4.800e-01  
 -1.290e+00 -3.300e-01 -1.020e+00 -6.700e-01 -1.430e+00 -9.600e-01  
 -2.090e+00 -4.200e-01 -4.700e-01 -3.600e-01 -1.600e+00], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.999e+03 3.000e+00 -4.100e-01 -2.300e-01 -4.800e-01 -2.000e-01  
 -2.000e-02 -3.200e-01 -6.100e-01 -7.100e-01 -5.900e-01 -4.500e-01  
 -6.300e-01 -4.000e-01 -9.000e-02 1.700e-01 -3.100e-01 -6.900e-01  
 -8.500e-01 -6.600e-01 5.290e+00 4.800e+00 5.850e+00 -2.100e-01  
 -2.000e-01 -2.100e-01 -1.560e+00 -1.050e+00 -1.030e+00], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.985e+03 4.000e+00 -4.300e-01 -4.200e-01 -4.400e-01 -6.100e-01  
 -4.600e-01 -7.000e-01 -2.600e-01 -3.300e-01 -2.500e-01 -6.300e-01  
 -6.400e-01 -6.200e-01 -5.600e-01 -4.100e-01 -7.000e-01 -1.000e-01  
 -1.000e-01 -1.100e-01 -1.950e+00 -1.630e+00 -2.320e+00 -3.000e-02  
 4.300e-01 -2.500e-01 4.900e-01 -3.500e-01 -2.300e-01], True Label: Lower, Predicted Label: Lower  
Test Point: [ 1.993e+03 4.000e+00 4.200e-01 2.500e-01 4.800e-01 2.700e-01  
 6.000e-02 4.000e-01 5.700e-01 7.000e-01 5.400e-01 9.000e-01  
 1.070e+00 8.500e-01 -3.000e-02 -2.000e-01 1.100e-01 3.600e-01  
 3.800e-01 3.600e-01 1.200e-01 -2.300e-01 5.200e-01 2.400e-01  
 4.800e-01 1.300e-01 5.600e-01 5.600e-01 1.300e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
Test Point: [ 1.988e+03 6.000e+00 3.700e-01 5.600e-01 2.900e-01 6.800e-01  
 6.200e-01 7.200e-01 5.000e-02 4.200e-01 -3.000e-02 1.030e+00  
 1.020e+00 1.030e+00 5.200e-01 5.300e-01 5.000e-01 -4.800e-01  
 -9.000e-02 -5.500e-01 4.300e-01 5.800e-01 2.500e-01 -1.680e+00  
 -1.240e+00 -1.890e+00 1.200e-01 2.200e-01 4.900e-01], True Label: Lower Stratosphere, Predicted Label: Lower Stratosphere  
  
Incorrect Predictions:  
Test Point: [ 1.981e+03 5.000e+00 -2.600e-01 -3.700e-01 -2.200e-01 -2.900e-01  
 -4.000e-01 -2.200e-01 -2.300e-01 -3.000e-01 -2.100e-01 -3.000e-01  
 -3.900e-01 -2.800e-01 -3.200e-01 -4.200e-01 -2.200e-01 -1.600e-01  
 -1.700e-01 -1.600e-01 -3.000e-01 -2.500e-01 -3.500e-01 1.300e-01  
 -2.400e-01 3.100e-01 -8.000e-01 -4.600e-01 -7.400e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.005e+03 9.000e+00 8.000e-02 1.200e-01 6.000e-02 3.000e-02  
 1.000e-01 -1.000e-02 1.200e-01 1.400e-01 1.200e-01 7.000e-02  
 7.000e-02 6.000e-02 0.000e+00 1.000e-01 -9.000e-02 1.700e-01  
 2.300e-01 1.500e-01 -5.200e-01 -3.600e-01 -7.200e-01 3.100e-01  
 7.800e-01 9.000e-02 3.700e-01 3.400e-01 2.500e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.002e+03 1.200e+01 7.000e-02 -9.000e-02 1.400e-01 -4.000e-02  
 -2.200e-01 8.000e-02 1.800e-01 2.100e-01 1.800e-01 2.000e-01  
 9.000e-02 2.300e-01 -1.600e-01 -3.000e-01 -3.000e-02 1.700e-01  
 2.700e-01 1.600e-01 3.500e-01 5.000e-02 7.100e-01 1.010e+00  
 1.110e+00 9.600e-01 -3.700e-01 -9.000e-02 -5.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.018e+03 9.000e+00 -1.300e-01 -1.100e-01 -1.300e-01 4.000e-02  
 -4.000e-02 9.000e-02 -2.900e-01 -2.600e-01 -3.000e-01 1.500e-01  
 1.200e-01 1.600e-01 -1.000e-02 -7.000e-02 4.000e-02 -5.300e-01  
 -5.800e-01 -5.200e-01 3.000e-02 -4.000e-02 1.100e-01 -1.250e+00  
 -1.530e+00 -1.120e+00 1.600e-01 2.000e-02 1.300e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.994e+03 3.000e+00 -2.800e-01 -2.900e-01 -2.800e-01 -3.000e-01  
 -2.900e-01 -3.100e-01 -2.600e-01 -2.900e-01 -2.600e-01 -2.200e-01  
 -2.600e-01 -2.000e-01 -3.400e-01 -2.900e-01 -3.800e-01 -2.900e-01  
 -3.200e-01 -2.900e-01 -1.910e+00 -1.420e+00 -2.470e+00 -9.000e-02  
 -1.100e-01 -8.000e-02 8.100e-01 9.700e-01 -4.300e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.989e+03 2.000e+00 -1.700e-01 -6.000e-02 -2.100e-01 -1.000e-01  
 2.000e-02 -1.800e-01 -2.300e-01 -2.600e-01 -2.300e-01 -7.200e-01  
 -6.800e-01 -7.300e-01 2.200e-01 2.100e-01 2.300e-01 2.000e-02  
 6.000e-02 1.000e-02 -1.060e+00 -1.070e+00 -1.050e+00 9.100e-01  
 9.400e-01 8.900e-01 -3.000e-01 -2.200e-01 -7.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.996e+03 1.000e+00 -1.200e-01 -4.900e-01 2.000e-02 -2.200e-01  
 -8.100e-01 1.600e-01 -2.000e-02 2.300e-01 -8.000e-02 3.500e-01  
 3.300e-01 3.500e-01 -5.200e-01 -1.110e+00 1.000e-02 -2.100e-01  
 1.500e-01 -2.800e-01 -5.330e+00 -4.560e+00 -6.210e+00 9.000e-02  
 1.500e-01 6.000e-02 6.200e-01 4.000e-01 4.000e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.98e+03 1.20e+01 -2.10e-01 -1.50e-01 -2.30e-01 -2.40e-01 -1.70e-01  
 -2.80e-01 -1.80e-01 -1.00e-01 -1.90e-01 -2.40e-01 -3.00e-01 -2.20e-01  
 -2.50e-01 -1.30e-01 -3.50e-01 -1.40e-01 2.00e-02 -1.70e-01 -1.10e+00  
 -7.50e-01 -1.51e+00 3.60e-01 6.90e-01 2.00e-01 5.90e-01 2.10e-01  
 -4.60e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.022e+03 4.000e+00 6.000e-02 7.000e-02 6.000e-02 1.600e-01  
 9.000e-02 2.100e-01 -4.000e-02 2.000e-02 -5.000e-02 -3.000e-02  
 3.000e-02 -5.000e-02 2.600e-01 1.000e-01 4.000e-01 -3.000e-02  
 2.000e-02 -4.000e-02 1.750e+00 1.160e+00 2.430e+00 -2.200e-01  
 -4.300e-01 -1.100e-01 3.100e-01 3.200e-01 5.300e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 2.016e+03 6.000e+00 2.100e-01 1.400e-01 2.400e-01 3.400e-01  
 3.300e-01 3.400e-01 8.000e-02 -3.000e-01 1.600e-01 2.400e-01  
 1.400e-01 2.600e-01 4.000e-01 3.900e-01 4.200e-01 -2.000e-02  
 -6.600e-01 9.000e-02 5.500e-01 7.000e-01 3.900e-01 -1.100e+00  
 -1.880e+00 -7.300e-01 1.050e+00 9.400e-01 9.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 8.000e+00 2.200e-01 4.100e-01 1.400e-01 3.800e-01  
 4.700e-01 3.200e-01 5.000e-02 2.600e-01 1.000e-02 2.900e-01  
 3.600e-01 2.700e-01 4.300e-01 5.100e-01 3.700e-01 -8.000e-02  
 1.800e-01 -1.300e-01 5.500e-01 5.800e-01 5.200e-01 -6.000e-01  
 -2.100e-01 -7.900e-01 5.700e-01 5.800e-01 3.500e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 5.000e+00 9.000e-02 3.000e-02 1.200e-01 1.300e-01  
 8.000e-02 1.600e-01 6.000e-02 -8.000e-02 9.000e-02 8.000e-02  
 3.000e-02 9.000e-02 1.500e-01 1.000e-01 2.100e-01 5.000e-02  
 -1.600e-01 9.000e-02 5.700e-01 4.700e-01 6.800e-01 -5.100e-01  
 -9.800e-01 -2.900e-01 2.200e-01 2.100e-01 6.500e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.984e+03 7.000e+00 -4.200e-01 -5.500e-01 -3.700e-01 -4.200e-01  
 -4.200e-01 -4.200e-01 -4.100e-01 -8.300e-01 -3.300e-01 -7.000e-01  
 -7.200e-01 -7.000e-01 -3.100e-01 -3.700e-01 -2.500e-01 -2.300e-01  
 -8.100e-01 -1.300e-01 4.000e-02 -8.000e-02 1.800e-01 -8.400e-01  
 -7.000e-01 -9.100e-01 -2.700e-01 -3.400e-01 -1.270e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.00e+03 2.00e+00 -2.30e-01 -1.90e-01 -2.40e-01 -3.00e-01 -1.00e-01  
 -4.20e-01 -1.60e-01 -3.90e-01 -1.10e-01 -5.50e-01 -5.70e-01 -5.50e-01  
 -1.30e-01 4.00e-02 -2.80e-01 1.00e-02 -3.30e-01 8.00e-02 1.10e-01  
 4.60e-01 -3.10e-01 -3.40e-01 -9.00e-01 -8.00e-02 1.37e+00 1.38e+00  
 4.60e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.979e+03 1.000e+01 -7.000e-02 -1.900e-01 -2.000e-02 -1.300e-01  
 -2.400e-01 -6.000e-02 -1.000e-02 -9.000e-02 1.000e-02 -1.300e-01  
 -1.600e-01 -1.300e-01 -1.400e-01 -2.500e-01 -5.000e-02 7.000e-02  
 -7.000e-02 1.000e-01 -2.400e-01 -2.800e-01 -1.900e-01 3.000e-01  
 1.400e-01 3.800e-01 1.700e-01 2.900e-01 -1.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.989e+03 8.000e+00 -3.000e-01 -4.200e-01 -2.500e-01 -3.100e-01  
 -3.800e-01 -2.600e-01 -2.900e-01 -5.100e-01 -2.400e-01 -4.900e-01  
 -5.600e-01 -4.700e-01 -2.500e-01 -3.700e-01 -1.400e-01 -1.600e-01  
 -3.800e-01 -1.200e-01 -1.100e-01 -2.100e-01 1.000e-02 3.200e-01  
 2.400e-01 3.500e-01 -8.400e-01 -5.300e-01 -1.710e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.979e+03 8.000e+00 -3.000e-01 -4.000e-01 -2.700e-01 -2.200e-01  
 -2.600e-01 -2.000e-01 -3.900e-01 -7.100e-01 -3.200e-01 -1.600e-01  
 -1.300e-01 -1.700e-01 -2.700e-01 -3.200e-01 -2.300e-01 -4.900e-01  
 -1.030e+00 -3.900e-01 -2.100e-01 -2.600e-01 -1.600e-01 -1.290e+00  
 -1.850e+00 -1.020e+00 -5.900e-01 -3.300e-01 -5.800e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.987e+03 1.000e+01 -1.000e-02 -1.000e-01 2.000e-02 7.000e-02  
 -1.100e-01 1.800e-01 -1.000e-01 -9.000e-02 -1.000e-01 3.400e-01  
 2.700e-01 3.600e-01 -6.000e-02 -2.000e-01 6.000e-02 -3.400e-01  
 -3.700e-01 -3.400e-01 5.900e-01 4.200e-01 7.800e-01 -9.600e-01  
 -6.000e-01 -1.140e+00 -5.800e-01 -4.600e-01 -5.000e-02], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 1.100e+01 1.200e-01 -2.000e-02 1.800e-01 9.000e-02  
 -1.100e-01 2.100e-01 1.600e-01 1.800e-01 1.500e-01 3.300e-01  
 3.700e-01 3.200e-01 -5.000e-02 -2.300e-01 1.200e-01 8.000e-02  
 2.000e-02 9.000e-02 3.900e-01 3.300e-01 4.700e-01 -2.700e-01  
 -5.000e-01 -1.600e-01 -1.280e+00 -7.400e-01 4.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.004e+03 7.000e+00 -3.600e-01 -6.900e-01 -2.300e-01 -4.200e-01  
 -6.100e-01 -2.900e-01 -3.100e-01 -8.900e-01 -1.900e-01 -4.100e-01  
 -4.300e-01 -4.000e-01 -4.300e-01 -6.600e-01 -2.300e-01 -2.500e-01  
 -1.220e+00 -8.000e-02 -2.600e-01 -4.700e-01 -3.000e-02 -1.510e+00  
 -2.610e+00 -9.900e-01 -8.300e-01 -5.500e-01 -3.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.002e+03 3.000e+00 1.000e-01 -5.000e-02 1.700e-01 0.000e+00  
 -1.400e-01 9.000e-02 2.100e-01 1.500e-01 2.200e-01 3.100e-01  
 3.700e-01 2.900e-01 -1.800e-01 -2.700e-01 -9.000e-02 1.700e-01  
 -3.000e-02 2.100e-01 7.000e-01 2.300e-01 1.240e+00 -2.900e-01  
 -1.900e-01 -3.300e-01 -8.200e-01 -1.130e+00 5.400e-01], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 1.988e+03 1.000e+00 0.000e+00 -7.000e-02 3.000e-02 -1.000e-02  
 -1.600e-01 9.000e-02 2.000e-02 1.300e-01 -1.000e-02 2.200e-01  
 1.600e-01 2.400e-01 -1.500e-01 -2.400e-01 -8.000e-02 -7.000e-02  
 9.000e-02 -1.000e-01 -5.500e-01 -4.500e-01 -6.600e-01 3.100e-01  
 3.700e-01 2.800e-01 -1.520e+00 -1.090e+00 -2.500e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.011e+03 1.000e+00 -2.000e-01 -2.300e-01 -1.900e-01 -3.500e-01  
 -3.000e-01 -3.800e-01 -5.000e-02 -7.000e-02 -5.000e-02 -2.100e-01  
 -1.200e-01 -2.300e-01 -4.000e-01 -3.400e-01 -4.600e-01 1.000e-02  
 -5.000e-02 2.000e-02 -6.900e-01 -6.900e-01 -6.900e-01 -6.500e-01  
 -6.600e-01 -6.400e-01 -4.400e-01 -6.500e-01 3.900e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 2.004e+03 6.000e+00 -1.300e-01 -3.100e-01 -7.000e-02 -2.800e-01  
 -4.500e-01 -1.700e-01 1.000e-02 0.000e+00 1.000e-02 -2.900e-01  
 -4.300e-01 -2.500e-01 -2.700e-01 -4.700e-01 -9.000e-02 1.600e-01  
 3.800e-01 1.200e-01 -2.700e-01 -4.100e-01 -1.200e-01 0.000e+00  
 -5.000e-02 3.000e-02 -8.600e-01 -3.800e-01 1.390e+00], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.993e+03 1.000e+00 -3.500e-01 -3.800e-01 -3.400e-01 -4.300e-01  
 -4.200e-01 -4.300e-01 -2.800e-01 -2.900e-01 -2.800e-01 -2.600e-01  
 -4.300e-01 -2.100e-01 -5.100e-01 -4.100e-01 -6.000e-01 -2.900e-01  
 -1.800e-01 -3.100e-01 -1.830e+00 -1.320e+00 -2.410e+00 8.000e-02  
 6.000e-02 9.000e-02 0.000e+00 -2.800e-01 -5.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.019e+03 5.000e+00 2.000e-01 9.000e-02 2.400e-01 1.300e-01  
 2.000e-02 2.000e-01 2.600e-01 2.700e-01 2.600e-01 2.700e-01  
 3.400e-01 2.500e-01 7.000e-02 -5.000e-02 1.700e-01 2.500e-01  
 1.400e-01 2.700e-01 6.700e-01 7.600e-01 5.600e-01 -2.300e-01  
 -5.300e-01 -9.000e-02 -7.100e-01 -4.700e-01 3.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.997e+03 9.000e+00 -6.000e-02 -1.500e-01 -3.000e-02 -4.000e-02  
 -1.900e-01 6.000e-02 -9.000e-02 -5.000e-02 -9.000e-02 1.300e-01  
 9.000e-02 1.400e-01 -1.200e-01 -2.500e-01 -1.000e-02 -2.100e-01  
 -2.100e-01 -2.100e-01 2.000e-02 -7.000e-02 1.200e-01 -2.600e-01  
 -4.200e-01 -1.900e-01 2.700e-01 2.500e-01 -4.800e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.983e+03 3.000e+00 2.000e-02 -3.400e-01 1.600e-01 -1.100e-01  
 -4.600e-01 1.200e-01 1.400e-01 -5.000e-02 1.800e-01 4.600e-01  
 3.100e-01 5.000e-01 -4.200e-01 -6.300e-01 -2.300e-01 -1.000e-02  
 -4.300e-01 7.000e-02 3.000e-02 -1.500e-01 2.400e-01 -5.900e-01  
 -1.100e+00 -3.400e-01 -1.020e+00 -8.300e-01 -2.000e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.984e+03 1.000e+01 -2.300e-01 -4.200e-01 -1.600e-01 -2.600e-01  
 -3.800e-01 -1.900e-01 -2.000e-01 -5.100e-01 -1.400e-01 -2.900e-01  
 -2.600e-01 -3.000e-01 -2.700e-01 -4.400e-01 -1.200e-01 -1.300e-01  
 -6.200e-01 -5.000e-02 8.000e-02 -1.800e-01 3.800e-01 -3.800e-01  
 -1.380e+00 1.000e-01 -9.400e-01 -6.300e-01 -2.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.991e+03 1.000e+01 -1.400e-01 -1.700e-01 -1.200e-01 -1.600e-01  
 -2.000e-01 -1.300e-01 -1.200e-01 -1.200e-01 -1.200e-01 -3.800e-01  
 -4.700e-01 -3.500e-01 -4.000e-02 -1.300e-01 4.000e-02 2.000e-02  
 1.700e-01 0.000e+00 -3.900e-01 -2.800e-01 -5.100e-01 4.400e-01  
 4.700e-01 4.300e-01 -9.000e-02 -4.000e-02 3.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.012e+03 3.000e+00 -1.600e-01 -2.000e-02 -2.100e-01 -1.000e-01  
 2.000e-02 -1.700e-01 -2.100e-01 -1.100e-01 -2.400e-01 -4.100e-01  
 -4.500e-01 -4.000e-01 7.000e-02 1.400e-01 1.000e-02 -1.200e-01  
 1.400e-01 -1.600e-01 8.800e-01 8.200e-01 9.400e-01 2.600e-01  
 4.600e-01 1.700e-01 0.000e+00 2.200e-01 2.600e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.012e+03 7.000e+00 -9.000e-02 -5.000e-02 -1.100e-01 0.000e+00  
 8.000e-02 -5.000e-02 -1.800e-01 -3.300e-01 -1.500e-01 -1.300e-01  
 -1.300e-01 -1.300e-01 7.000e-02 1.300e-01 2.000e-02 -2.100e-01  
 -4.700e-01 -1.600e-01 2.300e-01 2.100e-01 2.600e-01 -6.400e-01  
 -8.300e-01 -5.500e-01 1.200e-01 1.800e-01 -3.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.998e+03 1.100e+01 -1.000e-02 -9.000e-02 2.000e-02 -2.000e-02  
 -5.000e-02 0.000e+00 0.000e+00 -1.700e-01 4.000e-02 -1.000e-02  
 8.000e-02 -4.000e-02 -3.000e-02 -1.000e-01 3.000e-02 1.000e-02  
 -3.200e-01 7.000e-02 9.000e-02 -3.400e-01 5.700e-01 -7.500e-01  
 -1.030e+00 -6.200e-01 7.000e-01 7.800e-01 5.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.988e+03 9.000e+00 1.200e-01 1.000e-01 1.200e-01 -2.100e-01  
 -1.500e-01 -2.500e-01 4.400e-01 6.800e-01 4.000e-01 -2.200e-01  
 -1.700e-01 -2.400e-01 -2.100e-01 -1.500e-01 -2.700e-01 8.000e-01  
 1.320e+00 7.100e-01 -1.000e-01 -1.800e-01 -1.000e-02 1.740e+00  
 2.880e+00 1.200e+00 -2.000e-01 -2.300e-01 1.400e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.008e+03 6.000e+00 -2.700e-01 -2.300e-01 -2.800e-01 -2.900e-01  
 -1.700e-01 -3.700e-01 -2.400e-01 -3.500e-01 -2.200e-01 -3.700e-01  
 -2.900e-01 -4.000e-01 -2.400e-01 -1.400e-01 -3.400e-01 -1.800e-01  
 -4.100e-01 -1.400e-01 -2.500e-01 -2.400e-01 -2.600e-01 3.000e-02  
 -6.700e-01 3.700e-01 -2.000e-01 -2.300e-01 -2.700e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.996e+03 7.000e+00 -2.300e-01 -3.500e-01 -1.900e-01 -4.600e-01  
 -4.000e-01 -5.100e-01 0.000e+00 -2.400e-01 5.000e-02 -5.100e-01  
 -5.300e-01 -5.000e-01 -4.500e-01 -3.700e-01 -5.300e-01 2.800e-01  
 1.000e-02 3.300e-01 -5.000e-01 -4.900e-01 -5.000e-01 4.300e-01  
 3.900e-01 4.500e-01 -3.600e-01 -4.100e-01 -1.000e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.002e+03 5.000e+00 1.300e-01 1.500e-01 1.200e-01 1.000e-02  
 -1.600e-01 1.200e-01 2.400e-01 8.600e-01 1.100e-01 1.400e-01  
 1.100e-01 1.500e-01 -6.000e-02 -2.500e-01 1.100e-01 2.900e-01  
 1.450e+00 9.000e-02 2.900e-01 1.200e-01 4.800e-01 1.470e+00  
 3.030e+00 7.300e-01 -5.500e-01 -3.100e-01 5.700e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.015e+03 1.000e+00 1.600e-01 2.600e-01 1.200e-01 3.100e-01  
 4.300e-01 2.300e-01 2.000e-02 -1.100e-01 5.000e-02 4.000e-02  
 -1.000e-01 8.000e-02 4.500e-01 5.500e-01 3.600e-01 1.000e-02  
 -8.000e-02 2.000e-02 -2.100e-01 7.000e-02 -5.300e-01 -8.000e-02  
 -1.200e-01 -6.000e-02 9.400e-01 1.100e+00 -2.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.014e+03 2.000e+00 -2.000e-02 -2.000e-01 5.000e-02 1.000e-02  
 -2.000e-01 1.400e-01 -5.000e-02 -2.000e-01 -2.000e-02 -1.900e-01  
 -1.700e-01 -2.000e-01 1.100e-01 -2.100e-01 3.900e-01 3.000e-02  
 -1.900e-01 7.000e-02 1.000e+00 5.900e-01 1.460e+00 -3.200e-01  
 -3.300e-01 -3.200e-01 -7.500e-01 -6.000e-01 -1.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.011e+03 5.000e+00 -4.300e-01 -4.100e-01 -4.300e-01 -3.200e-01  
 -3.400e-01 -3.100e-01 -5.300e-01 -5.800e-01 -5.200e-01 -4.700e-01  
 -7.100e-01 -4.000e-01 -2.000e-01 -2.400e-01 -1.700e-01 -6.000e-01  
 -4.900e-01 -6.200e-01 1.230e+00 1.000e+00 1.500e+00 -4.100e-01  
 -4.700e-01 -3.800e-01 -4.200e-01 -2.400e-01 -2.300e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.006e+03 8.000e+00 -1.000e-02 7.000e-02 -4.000e-02 4.000e-02  
 1.000e-02 6.000e-02 -6.000e-02 2.200e-01 -1.200e-01 6.000e-02  
 4.000e-02 7.000e-02 3.000e-02 0.000e+00 6.000e-02 -1.300e-01  
 3.500e-01 -2.100e-01 8.000e-02 0.000e+00 1.600e-01 -6.000e-02  
 6.900e-01 -4.200e-01 8.000e-02 -6.000e-02 4.000e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 1.000e+01 -3.200e-01 -2.700e-01 -3.400e-01 -2.900e-01  
 -2.200e-01 -3.300e-01 -3.600e-01 -3.800e-01 -3.500e-01 -8.000e-02  
 -1.000e-02 -1.000e-01 -4.000e-01 -2.800e-01 -5.100e-01 -5.000e-01  
 -6.500e-01 -4.800e-01 -4.900e-01 -4.800e-01 -4.900e-01 -9.200e-01  
 -1.060e+00 -8.500e-01 -2.300e-01 -3.500e-01 -2.700e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 1.99e+03 2.00e+00 -4.00e-02 -8.00e-02 -2.00e-02 -5.00e-02 -5.00e-02  
 -6.00e-02 -2.00e-02 -1.30e-01 1.00e-02 -3.90e-01 -3.80e-01 -3.90e-01  
 1.00e-01 1.00e-02 1.70e-01 2.00e-01 1.20e-01 2.10e-01 -1.45e+00  
 -1.15e+00 -1.79e+00 1.12e+00 1.11e+00 1.13e+00 1.49e+00 1.48e+00  
 -1.09e+00], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.991e+03 1.000e+00 -2.000e-02 1.100e-01 -7.000e-02 4.000e-02  
 1.100e-01 0.000e+00 -8.000e-02 1.100e-01 -1.200e-01 8.000e-02  
 5.000e-02 9.000e-02 2.000e-02 1.400e-01 -8.000e-02 -1.700e-01  
 1.200e-01 -2.200e-01 -6.000e-02 1.000e-02 -1.300e-01 1.500e-01  
 3.000e-01 8.000e-02 -5.400e-01 -7.900e-01 1.600e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.001e+03 4.000e+00 4.000e-02 0.000e+00 6.000e-02 0.000e+00  
 5.000e-02 -4.000e-02 9.000e-02 -1.100e-01 1.300e-01 -7.000e-02  
 -1.100e-01 -6.000e-02 4.000e-02 8.000e-02 1.000e-02 1.700e-01  
 -8.000e-02 2.100e-01 -3.400e-01 -1.700e-01 -5.300e-01 -1.500e-01  
 -2.600e-01 -9.000e-02 2.900e-01 2.000e-01 -8.000e-02], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 1.000e+00 3.100e-01 2.800e-01 3.200e-01 2.400e-01  
 1.300e-01 3.100e-01 3.800e-01 6.400e-01 3.300e-01 3.100e-01  
 3.600e-01 3.000e-01 1.700e-01 6.000e-02 2.800e-01 4.500e-01  
 8.700e-01 3.700e-01 2.400e-01 -4.000e-02 5.700e-01 1.270e+00  
 1.350e+00 1.230e+00 6.700e-01 7.600e-01 8.500e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.986e+03 9.000e+00 -4.300e-01 -6.100e-01 -3.600e-01 -5.300e-01  
 -5.800e-01 -4.900e-01 -3.400e-01 -6.800e-01 -2.700e-01 -4.100e-01  
 -6.300e-01 -3.500e-01 -6.000e-01 -5.900e-01 -6.100e-01 -2.800e-01  
 -6.500e-01 -2.200e-01 -7.200e-01 -5.100e-01 -9.700e-01 -4.200e-01  
 -1.040e+00 -1.200e-01 -1.170e+00 -8.900e-01 -3.500e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.986e+03 1.100e+01 -2.000e-01 -3.700e-01 -1.300e-01 -3.300e-01  
 -4.700e-01 -2.300e-01 -6.000e-02 -1.200e-01 -5.000e-02 -2.300e-01  
 -3.500e-01 -2.000e-01 -4.000e-01 -5.200e-01 -2.900e-01 5.000e-02  
 8.000e-02 4.000e-02 -5.700e-01 -2.800e-01 -8.900e-01 7.600e-01  
 3.700e-01 9.400e-01 -8.000e-02 -1.300e-01 -9.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.994e+03 1.100e+01 -7.000e-02 0.000e+00 -1.000e-01 -2.000e-02  
 -3.000e-02 -2.000e-02 -1.200e-01 7.000e-02 -1.600e-01 -1.900e-01  
 -2.200e-01 -1.800e-01 7.000e-02 5.000e-02 9.000e-02 -8.000e-02  
 2.200e-01 -1.300e-01 -5.600e-01 -6.200e-01 -4.900e-01 4.300e-01  
 6.700e-01 3.200e-01 1.400e-01 -1.000e-01 -3.200e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.999e+03 3.000e+00 -2.000e-01 -1.500e-01 -2.200e-01 -1.800e-01  
 -1.500e-01 -2.000e-01 -2.200e-01 -1.400e-01 -2.400e-01 -3.200e-01  
 -1.700e-01 -3.700e-01 -8.000e-02 -1.800e-01 0.000e+00 -1.900e-01  
 -3.000e-02 -2.100e-01 1.060e+00 5.500e-01 1.640e+00 -1.900e-01  
 -3.100e-01 -1.200e-01 -1.300e-01 -1.600e-01 -8.000e-02], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.007e+03 9.000e+00 -6.000e-02 5.000e-02 -1.000e-01 -8.000e-02  
 2.000e-02 -1.400e-01 -4.000e-02 1.200e-01 -7.000e-02 -1.300e-01  
 -1.100e-01 -1.300e-01 -4.000e-02 7.000e-02 -1.300e-01 0.000e+00  
 2.400e-01 -4.000e-02 -5.300e-01 -5.100e-01 -5.500e-01 -5.000e-01  
 -2.100e-01 -6.400e-01 9.000e-02 1.000e-01 4.300e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.0e+03 7.0e+00 -1.8e-01 -1.5e-01 -1.9e-01 -1.8e-01 -6.0e-02 -2.5e-01  
 -1.8e-01 -3.5e-01 -1.5e-01 -3.6e-01 -3.7e-01 -3.6e-01 -1.2e-01 -3.0e-02  
 -2.0e-01 -4.0e-02 -1.8e-01 -2.0e-02 -1.0e-02 3.0e-02 -6.0e-02 5.2e-01  
 5.0e-01 5.3e-01 -2.6e-01 -3.1e-01 -3.1e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.001e+03 1.100e+01 4.000e-02 1.100e-01 2.000e-02 7.000e-02  
 2.900e-01 -8.000e-02 2.000e-02 -3.100e-01 9.000e-02 3.000e-02  
 1.000e-02 4.000e-02 8.000e-02 3.700e-01 -1.800e-01 2.000e-02  
 -5.500e-01 1.200e-01 -2.700e-01 -3.000e-02 -5.600e-01 -7.500e-01  
 -1.020e+00 -6.200e-01 1.270e+00 1.060e+00 -2.000e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.987e+03 4.000e+00 2.900e-01 3.400e-01 2.700e-01 2.800e-01  
 3.100e-01 2.600e-01 3.000e-01 4.300e-01 2.800e-01 2.200e-01  
 3.300e-01 1.900e-01 2.900e-01 2.900e-01 2.800e-01 3.600e-01  
 5.200e-01 3.400e-01 -1.250e+00 -8.200e-01 -1.760e+00 2.000e-02  
 -4.000e-02 5.000e-02 7.000e-01 2.600e-01 1.070e+00], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 1.991e+03 1.200e+01 -1.400e-01 -1.300e-01 -1.500e-01 -1.900e-01  
 -2.400e-01 -1.500e-01 -1.000e-01 1.300e-01 -1.500e-01 -2.200e-01  
 -2.900e-01 -2.000e-01 -1.700e-01 -2.100e-01 -1.300e-01 -4.000e-02  
 4.000e-01 -1.100e-01 -9.600e-01 -9.200e-01 -1.010e+00 1.480e+00  
 2.330e+00 1.080e+00 7.400e-01 4.600e-01 -1.140e+00], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.006e+03 8.000e+00 0.000e+00 6.000e-02 -2.000e-02 -2.000e-02  
 -8.000e-02 2.000e-02 2.000e-02 3.800e-01 -5.000e-02 1.000e-02  
 -1.000e-02 2.000e-02 -3.000e-02 -1.000e-01 4.000e-02 2.000e-02  
 6.700e-01 -9.000e-02 6.000e-02 -7.000e-02 2.100e-01 2.200e-01  
 1.240e+00 -2.600e-01 3.000e-02 -1.900e-01 7.600e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.009e+03 8.000e+00 -6.000e-02 -9.000e-02 -5.000e-02 -8.000e-02  
 -2.600e-01 3.000e-02 -5.000e-02 2.900e-01 -1.200e-01 2.100e-01  
 1.900e-01 2.100e-01 -2.500e-01 -4.000e-01 -1.200e-01 -1.600e-01  
 4.500e-01 -2.700e-01 -4.100e-01 -3.600e-01 -4.600e-01 3.000e-02  
 2.800e-01 -8.000e-02 -4.700e-01 -4.600e-01 1.450e+00], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 1.000e+01 3.000e-02 1.000e-01 1.000e-02 9.000e-02  
 1.100e-01 8.000e-02 -2.000e-02 8.000e-02 -5.000e-02 1.700e-01  
 1.800e-01 1.600e-01 7.000e-02 1.000e-01 5.000e-02 -1.400e-01  
 -1.000e-02 -1.700e-01 8.100e-01 9.900e-01 6.000e-01 -4.400e-01  
 -1.300e-01 -5.800e-01 -4.000e-02 3.400e-01 1.700e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.02e+03 9.00e+00 3.10e-01 3.80e-01 2.80e-01 3.10e-01 3.70e-01  
 2.80e-01 3.00e-01 4.00e-01 2.80e-01 2.60e-01 3.00e-01 2.50e-01  
 3.60e-01 4.10e-01 3.10e-01 3.10e-01 4.10e-01 2.90e-01 8.00e-02  
 2.00e-01 -6.00e-02 -5.00e-02 2.80e-01 -2.10e-01 4.70e-01 3.60e-01  
 3.90e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.02e+03 3.00e+00 3.50e-01 3.40e-01 3.50e-01 4.20e-01 4.60e-01  
 3.90e-01 2.70e-01 7.00e-02 3.20e-01 5.30e-01 5.20e-01 5.30e-01  
 3.70e-01 4.40e-01 3.00e-01 1.40e-01 -2.30e-01 2.00e-01 -9.50e-01  
 -5.50e-01 -1.41e+00 -3.10e-01 -9.60e-01 0.00e+00 8.10e-01 8.20e-01  
 -4.00e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 1.000e+00 -2.900e-01 2.500e-01 -5.000e-01 0.000e+00  
 6.700e-01 -4.400e-01 -5.800e-01 -6.900e-01 -5.500e-01 -1.190e+00  
 -1.120e+00 -1.210e+00 6.000e-01 1.130e+00 1.200e-01 -2.300e-01  
 -3.300e-01 -2.100e-01 3.150e+00 3.150e+00 3.140e+00 -2.600e-01  
 -1.900e-01 -2.900e-01 1.000e-02 2.100e-01 -5.700e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.02e+03 2.00e+00 5.70e-01 6.10e-01 5.60e-01 5.80e-01 6.30e-01  
 5.50e-01 5.60e-01 5.70e-01 5.60e-01 6.70e-01 6.10e-01 6.80e-01  
 5.20e-01 6.40e-01 4.20e-01 5.20e-01 5.20e-01 5.20e-01 -1.34e+00  
 -7.60e-01 -2.00e+00 8.90e-01 7.10e-01 9.70e-01 6.70e-01 3.00e-01  
 3.70e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.003e+03 2.000e+00 9.000e-02 0.000e+00 1.300e-01 -5.000e-02  
 -2.200e-01 6.000e-02 2.400e-01 5.000e-01 1.800e-01 3.700e-01  
 2.900e-01 4.000e-01 -2.900e-01 -3.800e-01 -2.000e-01 1.800e-01  
 7.200e-01 8.000e-02 -1.900e-01 -1.800e-01 -2.100e-01 4.700e-01  
 1.400e+00 2.000e-02 -9.300e-01 -5.200e-01 3.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.988e+03 3.000e+00 3.000e-02 -1.100e-01 8.000e-02 -9.000e-02  
 -2.900e-01 3.000e-02 1.500e-01 2.800e-01 1.300e-01 3.700e-01  
 3.400e-01 3.800e-01 -3.400e-01 -4.800e-01 -2.200e-01 4.000e-02  
 3.100e-01 0.000e+00 -3.000e-01 4.000e-02 -6.800e-01 1.600e-01  
 4.100e-01 4.000e-02 -1.020e+00 -1.010e+00 -4.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.0e+03 9.0e+00 -2.2e-01 -1.7e-01 -2.3e-01 -2.2e-01 -2.2e-01 -2.1e-01  
 -2.2e-01 -6.0e-02 -2.5e-01 -3.3e-01 -2.9e-01 -3.4e-01 -1.7e-01 -2.2e-01  
 -1.2e-01 -1.5e-01 1.5e-01 -2.0e-01 -4.5e-01 -4.2e-01 -4.9e-01 2.4e-01  
 9.2e-01 -8.0e-02 4.0e-02 -9.0e-02 3.0e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.01e+03 1.10e+01 0.00e+00 1.00e-02 0.00e+00 2.10e-01 3.20e-01  
 1.40e-01 -2.00e-01 -7.10e-01 -1.00e-01 1.80e-01 3.10e-01 1.50e-01  
 2.40e-01 3.30e-01 1.70e-01 -4.20e-01 -1.47e+00 -2.40e-01 6.00e-02  
 3.00e-02 8.00e-02 -2.91e+00 -4.07e+00 -2.36e+00 1.90e-01 5.00e-02  
 2.30e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 1.983e+03 8.000e+00 -1.000e-01 -5.000e-02 -1.200e-01 -7.000e-02  
 7.000e-02 -1.600e-01 -1.300e-01 -3.100e-01 -1.000e-01 -6.000e-02  
 -9.000e-02 -5.000e-02 -9.000e-02 8.000e-02 -2.400e-01 -1.600e-01  
 -3.800e-01 -1.200e-01 -3.100e-01 -2.500e-01 -3.700e-01 -2.000e-01  
 -1.500e-01 -2.300e-01 8.500e-01 5.200e-01 -7.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.0e+03 4.0e+00 -1.4e-01 9.0e-02 -2.4e-01 -6.0e-02 2.5e-01 -2.6e-01  
 -2.3e-01 -2.7e-01 -2.2e-01 -3.5e-01 -2.9e-01 -3.7e-01 1.1e-01 3.8e-01  
 -1.4e-01 -1.7e-01 -2.2e-01 -1.6e-01 1.6e-01 4.5e-01 -1.8e-01 -6.1e-01  
 -5.5e-01 -6.4e-01 2.9e-01 2.5e-01 1.1e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 2.000e+00 -2.300e-01 -2.800e-01 -2.200e-01 -1.300e-01  
 -1.500e-01 -1.200e-01 -3.400e-01 -5.700e-01 -2.900e-01 -5.400e-01  
 -4.700e-01 -5.600e-01 8.000e-02 -7.000e-02 2.100e-01 -2.300e-01  
 -6.300e-01 -1.500e-01 -2.600e-01 -2.300e-01 -2.900e-01 -4.600e-01  
 -1.020e+00 -2.000e-01 2.900e-01 2.500e-01 -4.100e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.992e+03 4.000e+00 2.000e-01 9.000e-02 2.400e-01 1.800e-01  
 6.000e-02 2.600e-01 2.200e-01 1.700e-01 2.300e-01 3.500e-01  
 3.200e-01 3.600e-01 8.000e-02 -1.000e-02 1.600e-01 1.600e-01  
 6.000e-02 1.800e-01 -1.000e-02 -2.100e-01 2.200e-01 2.600e-01  
 7.000e-02 3.600e-01 -5.600e-01 -7.700e-01 3.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.982e+03 7.000e+00 -3.400e-01 -3.500e-01 -3.400e-01 -3.100e-01  
 -3.700e-01 -2.700e-01 -3.700e-01 -3.000e-01 -3.900e-01 -2.100e-01  
 -2.400e-01 -2.000e-01 -3.800e-01 -4.200e-01 -3.400e-01 -4.400e-01  
 -2.800e-01 -4.700e-01 -1.700e-01 -2.000e-01 -1.200e-01 -2.700e-01  
 2.200e-01 -5.100e-01 -3.500e-01 -3.200e-01 -8.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.994e+03 1.000e+00 -2.300e-01 -8.000e-02 -2.900e-01 -1.700e-01  
 2.000e-02 -3.000e-01 -2.800e-01 -3.200e-01 -2.800e-01 -1.800e-01  
 -1.300e-01 -1.900e-01 -1.600e-01 6.000e-02 -3.600e-01 -3.500e-01  
 -4.700e-01 -3.300e-01 7.600e-01 9.900e-01 4.900e-01 -3.400e-01  
 -4.700e-01 -2.800e-01 -4.800e-01 -9.000e-02 -5.900e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 1.988e+03 8.000e+00 3.000e-02 -2.000e-02 5.000e-02 -1.700e-01  
 -1.200e-01 -2.000e-01 2.300e-01 2.100e-01 2.300e-01 -2.100e-01  
 -1.200e-01 -2.400e-01 -1.500e-01 -1.200e-01 -1.700e-01 4.600e-01  
 4.600e-01 4.600e-01 -6.000e-02 -1.000e-01 -1.000e-02 9.800e-01  
 1.270e+00 8.400e-01 -1.600e-01 -1.200e-01 -1.200e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.012e+03 1.000e+00 -3.400e-01 -4.000e-01 -3.200e-01 -3.500e-01  
 -4.000e-01 -3.200e-01 -3.400e-01 -4.100e-01 -3.200e-01 -4.000e-01  
 -2.800e-01 -4.400e-01 -3.300e-01 -4.400e-01 -2.300e-01 -2.900e-01  
 -4.700e-01 -2.600e-01 -1.400e-01 -3.600e-01 1.200e-01 -4.100e-01  
 -5.600e-01 -3.400e-01 6.600e-01 1.600e-01 -6.500e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.001e+03 6.000e+00 -1.200e-01 -8.000e-02 -1.300e-01 -2.000e-01  
 -1.000e-01 -2.600e-01 -3.000e-02 -4.000e-02 -3.000e-02 -3.500e-01  
 -3.600e-01 -3.500e-01 -1.300e-01 -5.000e-02 -2.000e-01 1.400e-01  
 2.300e-01 1.200e-01 -3.900e-01 -3.500e-01 -4.400e-01 5.100e-01  
 7.800e-01 3.800e-01 -3.700e-01 -4.100e-01 -1.000e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.009e+03 1.200e+01 -1.800e-01 4.400e-01 -4.200e-01 1.200e-01  
 7.700e-01 -3.000e-01 -4.800e-01 -3.100e-01 -5.100e-01 -1.360e+00  
 -1.210e+00 -1.400e+00 8.700e-01 1.280e+00 5.000e-01 1.000e-02  
 4.100e-01 -6.000e-02 4.200e-01 1.060e+00 -3.200e-01 2.030e+00  
 2.690e+00 1.710e+00 2.200e-01 -8.100e-01 -1.100e+00], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.981e+03 7.000e+00 -1.700e-01 -2.000e-02 -2.300e-01 -1.100e-01  
 -4.000e-02 -1.600e-01 -2.300e-01 1.000e-02 -2.800e-01 -3.000e-01  
 -4.100e-01 -2.700e-01 -2.000e-02 5.000e-02 -9.000e-02 -1.900e-01  
 3.700e-01 -2.800e-01 -2.400e-01 -2.400e-01 -2.400e-01 6.600e-01  
 1.560e+00 2.300e-01 2.100e-01 1.100e-01 -3.400e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.016e+03 1.000e+00 4.200e-01 4.200e-01 4.200e-01 5.700e-01  
 5.600e-01 5.800e-01 2.700e-01 9.000e-02 3.100e-01 7.700e-01  
 5.700e-01 8.200e-01 4.800e-01 6.100e-01 3.700e-01 0.000e+00  
 -4.300e-01 7.000e-02 2.120e+00 2.270e+00 1.960e+00 -4.900e-01  
 -8.600e-01 -3.200e-01 -6.100e-01 -1.500e-01 -7.600e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.985e+03 1.200e+01 -2.800e-01 -1.600e-01 -3.200e-01 -1.200e-01  
 -7.000e-02 -1.400e-01 -4.400e-01 -3.700e-01 -4.500e-01 -4.700e-01  
 -4.300e-01 -4.800e-01 5.000e-02 2.000e-02 8.000e-02 -4.000e-01  
 -3.200e-01 -4.100e-01 0.000e+00 1.400e-01 -1.700e-01 3.000e-01  
 6.000e-02 4.100e-01 -1.060e+00 -1.000e+00 -4.600e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.008e+03 2.000e+00 -2.900e-01 -3.900e-01 -2.600e-01 -2.000e-01  
 -2.500e-01 -1.700e-01 -3.900e-01 -7.200e-01 -3.200e-01 -5.500e-01  
 -4.700e-01 -5.800e-01 -2.000e-02 -1.900e-01 1.400e-01 -3.000e-01  
 -9.000e-01 -1.900e-01 -4.400e-01 -4.000e-01 -4.800e-01 -7.000e-01  
 -1.510e+00 -3.200e-01 -1.000e-02 -2.100e-01 -6.700e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.979e+03 3.000e+00 -2.200e-01 -2.200e-01 -2.200e-01 -2.000e-01  
 -1.500e-01 -2.200e-01 -2.400e-01 -3.600e-01 -2.100e-01 -2.400e-01  
 -2.900e-01 -2.200e-01 -1.800e-01 -1.200e-01 -2.400e-01 -2.300e-01  
 -4.000e-01 -2.000e-01 1.900e-01 3.600e-01 0.000e+00 -2.600e-01  
 -7.200e-01 -4.000e-02 -5.400e-01 -2.800e-01 1.200e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.014e+03 7.000e+00 8.000e-02 -1.000e-01 1.500e-01 4.000e-02  
 -8.000e-02 1.300e-01 1.200e-01 -1.300e-01 1.700e-01 2.400e-01  
 2.200e-01 2.400e-01 -7.000e-02 -1.900e-01 3.000e-02 7.000e-02  
 -3.000e-01 1.400e-01 3.000e-02 9.000e-02 -3.000e-02 -1.500e-01  
 -7.600e-01 1.400e-01 -4.900e-01 -4.800e-01 3.100e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.985e+03 5.000e+00 2.100e-01 1.800e-01 2.200e-01 3.200e-01  
 1.500e-01 4.300e-01 1.000e-01 2.500e-01 7.000e-02 7.200e-01  
 7.300e-01 7.200e-01 5.000e-02 -2.000e-02 1.100e-01 -1.600e-01  
 -5.000e-02 -1.800e-01 -8.000e-02 5.000e-02 -2.200e-01 -4.300e-01  
 -3.100e-01 -4.900e-01 -4.800e-01 -3.700e-01 3.300e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.006e+03 6.000e+00 -5.000e-02 -1.000e-02 -7.000e-02 5.000e-02  
 8.000e-02 4.000e-02 -1.600e-01 -2.100e-01 -1.500e-01 -4.000e-02  
 -7.000e-02 -3.000e-02 1.100e-01 1.200e-01 9.000e-02 -2.300e-01  
 -3.300e-01 -2.100e-01 4.800e-01 3.600e-01 6.200e-01 -1.500e-01  
 -5.800e-01 5.000e-02 -9.000e-02 -1.000e-02 -2.900e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.021e+03 3.000e+00 -1.000e-02 1.500e-01 -7.000e-02 1.300e-01  
 2.800e-01 2.000e-02 -1.400e-01 -1.500e-01 -1.300e-01 -2.900e-01  
 -2.000e-01 -3.100e-01 3.400e-01 3.800e-01 3.000e-01 -5.000e-02  
 -1.000e-02 -6.000e-02 -7.800e-01 -1.050e+00 -4.700e-01 2.700e-01  
 6.900e-01 7.000e-02 5.900e-01 3.000e-01 -7.900e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.015e+03 1.200e+01 -3.000e-02 -4.400e-01 1.300e-01 -3.600e-01  
 -5.800e-01 -2.200e-01 3.000e-01 -1.300e-01 3.800e-01 7.300e-01  
 8.800e-01 6.800e-01 -9.000e-01 -9.300e-01 -8.700e-01 4.000e-02  
 -9.700e-01 2.200e-01 -4.670e+00 -3.990e+00 -5.460e+00 -2.250e+00  
 -3.580e+00 -1.610e+00 3.900e-01 -4.300e-01 9.100e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.987e+03 4.000e+00 -4.000e-02 -2.700e-01 5.000e-02 -2.400e-01  
 -3.900e-01 -1.500e-01 1.600e-01 0.000e+00 1.900e-01 1.600e-01  
 5.000e-02 2.000e-01 -4.500e-01 -5.000e-01 -4.100e-01 1.400e-01  
 -8.000e-02 1.800e-01 -9.200e-01 -1.230e+00 -5.600e-01 -4.900e-01  
 -5.700e-01 -4.500e-01 5.300e-01 1.600e-01 8.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.995e+03 4.000e+00 2.000e-02 -1.400e-01 8.000e-02 0.000e+00  
 -2.000e-01 1.200e-01 4.000e-02 -1.000e-02 5.000e-02 1.800e-01  
 1.600e-01 1.800e-01 -1.100e-01 -3.000e-01 5.000e-02 -2.000e-02  
 -1.400e-01 0.000e+00 9.800e-01 9.300e-01 1.050e+00 2.100e-01  
 0.000e+00 3.100e-01 -1.110e+00 -7.300e-01 -4.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.015e+03 2.000e+00 -9.000e-02 -2.100e-01 -4.000e-02 -1.400e-01  
 -3.600e-01 -1.000e-02 -4.000e-02 1.200e-01 -7.000e-02 0.000e+00  
 -5.000e-02 2.000e-02 -2.600e-01 -4.600e-01 -9.000e-02 -2.000e-02  
 3.000e-01 -7.000e-02 -2.290e+00 -2.290e+00 -2.290e+00 2.800e-01  
 2.700e-01 2.900e-01 -2.100e-01 -3.300e-01 3.400e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.014e+03 9.000e+00 -1.000e-02 4.000e-02 -4.000e-02 -1.100e-01  
 -1.400e-01 -8.000e-02 8.000e-02 4.600e-01 0.000e+00 -2.000e-02  
 -4.000e-02 -2.000e-02 -1.400e-01 -1.500e-01 -1.300e-01 1.200e-01  
 7.900e-01 0.000e+00 -6.300e-01 -5.900e-01 -6.700e-01 5.300e-01  
 1.390e+00 1.200e-01 1.600e-01 2.400e-01 9.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.01e+03 1.00e+01 2.00e-02 7.00e-02 0.00e+00 -2.00e-02 1.70e-01  
 -1.40e-01 6.00e-02 -1.60e-01 1.10e-01 -1.20e-01 1.10e-01 -1.90e-01  
 4.00e-02 1.90e-01 -9.00e-02 1.50e-01 -3.80e-01 2.50e-01 3.80e-01  
 2.40e-01 5.40e-01 -4.00e-02 -1.40e-01 0.00e+00 1.10e-01 1.00e-02  
 -9.20e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.984e+03 9.000e+00 -6.700e-01 -9.000e-01 -5.800e-01 -6.300e-01  
 -8.500e-01 -5.000e-01 -7.100e-01 -1.020e+00 -6.400e-01 -6.600e-01  
 -7.700e-01 -6.400e-01 -6.500e-01 -9.100e-01 -4.200e-01 -7.000e-01  
 -1.090e+00 -6.300e-01 -1.500e-01 -4.100e-01 1.500e-01 -2.400e-01  
 -3.600e-01 -1.900e-01 -1.080e+00 -9.700e-01 -2.350e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.009e+03 7.000e+00 8.000e-02 -4.000e-02 1.300e-01 -1.700e-01  
 -3.200e-01 -7.000e-02 3.400e-01 5.800e-01 2.900e-01 2.000e-01  
 1.300e-01 2.200e-01 -3.500e-01 -4.500e-01 -2.600e-01 4.000e-01  
 9.600e-01 3.000e-01 -2.900e-01 -4.300e-01 -1.400e-01 1.430e+00  
 2.760e+00 8.000e-01 -1.110e+00 -7.700e-01 5.700e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.015e+03 6.000e+00 1.800e-01 1.900e-01 1.800e-01 2.100e-01  
 2.000e-01 2.100e-01 1.500e-01 1.600e-01 1.500e-01 3.100e-01  
 3.500e-01 3.000e-01 1.600e-01 1.700e-01 1.600e-01 6.000e-02  
 0.000e+00 7.000e-02 7.000e-02 1.600e-01 -4.000e-02 -9.500e-01  
 -9.500e-01 -9.500e-01 8.700e-01 8.100e-01 4.500e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [2.02e+03 7.00e+00 2.40e-01 2.80e-01 2.30e-01 2.40e-01 1.80e-01 2.80e-01  
 2.50e-01 4.80e-01 2.00e-01 2.30e-01 3.00e-01 2.10e-01 2.60e-01 1.80e-01  
 3.40e-01 2.40e-01 5.50e-01 1.90e-01 2.60e-01 1.60e-01 3.80e-01 3.70e-01  
 9.60e-01 9.00e-02 3.20e-01 2.50e-01 1.00e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.992e+03 1.200e+01 4.000e-02 8.000e-02 2.000e-02 9.000e-02  
 7.000e-02 1.000e-01 -1.000e-02 1.100e-01 -4.000e-02 3.000e-02  
 0.000e+00 3.000e-02 1.300e-01 9.000e-02 1.600e-01 -3.000e-02  
 1.600e-01 -7.000e-02 -5.700e-01 -6.300e-01 -4.900e-01 3.000e-02  
 3.200e-01 -1.100e-01 4.800e-01 1.600e-01 0.000e+00], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.005e+03 9.000e+00 8.000e-02 1.500e-01 5.000e-02 8.000e-02  
 1.800e-01 1.000e-02 8.000e-02 1.000e-01 8.000e-02 1.200e-01  
 1.200e-01 1.200e-01 3.000e-02 1.800e-01 -1.000e-01 8.000e-02  
 1.200e-01 7.000e-02 -4.900e-01 -2.000e-01 -8.300e-01 1.700e-01  
 7.300e-01 -9.000e-02 4.900e-01 5.000e-01 3.100e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.994e+03 8.000e+00 -1.700e-01 -2.100e-01 -1.500e-01 -2.000e-01  
 -1.300e-01 -2.500e-01 -1.300e-01 -4.000e-01 -8.000e-02 -2.500e-01  
 -3.000e-01 -2.400e-01 -1.800e-01 -8.000e-02 -2.700e-01 -6.000e-02  
 -4.800e-01 1.000e-02 -2.500e-01 -5.000e-02 -4.700e-01 -6.200e-01  
 -1.040e+00 -4.200e-01 -2.400e-01 -4.000e-02 -4.200e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.991e+03 1.100e+01 -1.600e-01 -1.900e-01 -1.400e-01 -1.800e-01  
 -2.200e-01 -1.500e-01 -1.300e-01 -1.300e-01 -1.300e-01 -3.300e-01  
 -4.100e-01 -3.000e-01 -1.200e-01 -1.700e-01 -7.000e-02 -1.000e-02  
 7.000e-02 -3.000e-02 -5.000e-01 -1.100e-01 -9.500e-01 7.700e-01  
 6.300e-01 8.300e-01 -5.100e-01 -4.300e-01 -1.900e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.99e+03 1.20e+01 5.00e-02 6.00e-02 4.00e-02 9.00e-02 4.00e-02  
 1.30e-01 0.00e+00 1.10e-01 -2.00e-02 3.00e-02 5.00e-02 3.00e-02  
 1.10e-01 1.00e-02 2.00e-01 0.00e+00 2.30e-01 -4.00e-02 -8.60e-01  
 -6.20e-01 -1.14e+00 -6.00e-02 2.00e-01 -1.90e-01 -1.30e-01 -1.90e-01  
 3.60e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.013e+03 9.000e+00 8.000e-02 3.000e-01 -1.000e-02 1.100e-01  
 1.300e-01 1.000e-01 5.000e-02 7.000e-01 -9.000e-02 1.000e-02  
 5.000e-02 0.000e+00 1.600e-01 1.500e-01 1.700e-01 7.000e-02  
 1.160e+00 -1.200e-01 1.400e-01 1.600e-01 1.200e-01 1.030e+00  
 2.750e+00 2.200e-01 5.300e-01 4.900e-01 5.500e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.982e+03 1.200e+01 -6.000e-02 3.000e-02 -9.000e-02 -2.000e-02  
 -2.000e-02 -2.000e-02 -1.000e-01 1.300e-01 -1.500e-01 4.000e-02  
 -8.000e-02 7.000e-02 -5.000e-02 0.000e+00 -8.000e-02 -1.700e-01  
 2.900e-01 -2.600e-01 -6.800e-01 -4.900e-01 -8.900e-01 6.300e-01  
 1.340e+00 2.900e-01 8.500e-01 8.200e-01 -6.500e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.996e+03 7.000e+00 -1.000e-01 -1.100e-01 -1.000e-01 -1.200e-01  
 -1.000e-01 -1.400e-01 -8.000e-02 -1.400e-01 -7.000e-02 -1.000e-01  
 -1.700e-01 -8.000e-02 -1.500e-01 -1.100e-01 -2.000e-01 -6.000e-02  
 -2.000e-02 -6.000e-02 -5.600e-01 -2.900e-01 -8.700e-01 4.600e-01  
 7.500e-01 3.200e-01 -1.100e-01 -1.900e-01 -2.000e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 9.000e+00 2.800e-01 2.300e-01 2.900e-01 3.500e-01  
 3.800e-01 3.300e-01 2.000e-01 -1.100e-01 2.700e-01 1.900e-01  
 2.000e-01 1.900e-01 4.200e-01 4.200e-01 4.200e-01 2.100e-01  
 -3.200e-01 3.100e-01 -2.000e-01 -5.000e-01 1.500e-01 9.000e-02  
 -5.200e-01 3.800e-01 1.510e+00 1.230e+00 4.400e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.02e+03 7.00e+00 1.20e-01 1.40e-01 1.00e-01 1.00e-01 1.20e-01  
 8.00e-02 1.30e-01 1.90e-01 1.20e-01 1.20e-01 1.90e-01 1.00e-01  
 9.00e-02 1.10e-01 8.00e-02 1.40e-01 1.80e-01 1.30e-01 2.40e-01  
 3.50e-01 1.20e-01 -1.60e-01 4.00e-01 -4.30e-01 6.00e-02 1.10e-01  
 -2.00e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.021e+03 1.100e+01 -2.100e-01 -1.900e-01 -2.300e-01 8.000e-02  
 1.200e-01 5.000e-02 -5.000e-01 -8.800e-01 -4.200e-01 2.300e-01  
 2.800e-01 2.100e-01 0.000e+00 8.000e-02 -6.000e-02 -9.000e-01  
 -1.750e+00 -7.400e-01 -5.600e-01 -2.900e-01 -8.800e-01 -4.220e+00  
 -4.990e+00 -3.850e+00 -4.800e-01 -4.900e-01 7.000e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 2.009e+03 8.000e+00 -7.000e-02 2.100e-01 -1.800e-01 2.300e-01  
 3.600e-01 1.400e-01 -3.700e-01 -1.200e-01 -4.200e-01 3.000e-02  
 1.100e-01 1.000e-02 3.400e-01 4.400e-01 2.600e-01 -5.900e-01  
 -3.300e-01 -6.400e-01 1.300e-01 4.000e-02 2.300e-01 -1.750e+00  
 -1.620e+00 -1.810e+00 7.800e-01 6.800e-01 -5.600e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.994e+03 4.000e+00 -2.800e-01 -2.700e-01 -2.800e-01 -3.000e-01  
 -3.000e-01 -3.000e-01 -2.500e-01 -2.100e-01 -2.600e-01 -2.100e-01  
 -3.000e-01 -1.900e-01 -3.400e-01 -3.100e-01 -3.700e-01 -2.800e-01  
 -1.200e-01 -3.000e-01 -2.700e-01 -2.100e-01 -3.400e-01 -1.000e-01  
 -1.000e-02 -1.400e-01 3.800e-01 2.500e-01 -5.700e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.983e+03 7.000e+00 -2.000e-02 -1.800e-01 5.000e-02 -1.000e-02  
 -7.000e-02 2.000e-02 -2.000e-02 -4.400e-01 7.000e-02 2.300e-01  
 2.700e-01 2.100e-01 -1.600e-01 -1.600e-01 -1.500e-01 -1.300e-01  
 -9.700e-01 2.000e-02 -1.700e-01 -3.200e-01 1.000e-02 -6.700e-01  
 -1.430e+00 -3.100e-01 1.300e-01 5.000e-02 -7.900e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.989e+03 4.000e+00 -3.200e-01 -3.900e-01 -3.000e-01 -3.700e-01  
 -4.200e-01 -3.500e-01 -2.700e-01 -3.300e-01 -2.600e-01 -5.800e-01  
 -4.700e-01 -6.100e-01 -2.500e-01 -4.200e-01 -1.000e-01 -1.300e-01  
 -1.700e-01 -1.200e-01 1.300e-01 -1.000e-02 2.900e-01 -2.700e-01  
 -2.200e-01 -2.900e-01 2.600e-01 5.100e-01 3.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.991e+03 6.000e+00 1.800e-01 2.000e-01 1.800e-01 1.100e-01  
 1.000e-01 1.100e-01 2.600e-01 4.300e-01 2.300e-01 2.300e-01  
 1.900e-01 2.400e-01 4.000e-02 6.000e-02 2.000e-02 2.800e-01  
 6.800e-01 2.100e-01 -2.000e-02 9.000e-02 -1.400e-01 9.600e-01  
 1.590e+00 6.500e-01 -1.200e-01 -5.000e-02 7.000e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.005e+03 4.000e+00 2.000e-01 3.100e-01 1.600e-01 2.900e-01  
 3.700e-01 2.300e-01 1.200e-01 1.700e-01 1.100e-01 3.100e-01  
 3.500e-01 3.000e-01 2.600e-01 3.900e-01 1.400e-01 3.000e-02  
 -3.000e-02 4.000e-02 5.000e-01 6.700e-01 3.000e-01 -1.900e-01  
 -6.700e-01 3.000e-02 -8.000e-02 3.000e-02 1.280e+00], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.984e+03 5.000e+00 -2.400e-01 -1.400e-01 -2.700e-01 -3.700e-01  
 -3.100e-01 -4.100e-01 -1.000e-01 2.300e-01 -1.700e-01 -4.500e-01  
 -3.300e-01 -4.900e-01 -3.400e-01 -3.000e-01 -3.800e-01 1.000e-01  
 6.700e-01 0.000e+00 -3.300e-01 -1.600e-01 -5.200e-01 1.710e+00  
 2.360e+00 1.410e+00 -2.000e-01 -5.700e-01 -6.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.003e+03 1.000e+01 1.200e-01 1.800e-01 1.000e-01 2.700e-01  
 3.600e-01 2.200e-01 -2.000e-02 -2.400e-01 2.000e-02 2.000e-01  
 1.900e-01 2.000e-01 3.000e-01 4.000e-01 2.100e-01 -1.200e-01  
 -5.200e-01 -5.000e-02 9.300e-01 1.090e+00 7.600e-01 -7.300e-01  
 -8.100e-01 -6.900e-01 9.200e-01 1.050e+00 -9.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.981e+03 4.000e+00 7.400e-01 9.300e-01 6.600e-01 7.900e-01  
 9.700e-01 6.700e-01 6.900e-01 8.400e-01 6.600e-01 5.300e-01  
 4.700e-01 5.500e-01 9.600e-01 1.120e+00 8.200e-01 7.300e-01  
 1.050e+00 6.700e-01 3.000e-02 2.000e-01 -1.700e-01 1.020e+00  
 1.510e+00 7.900e-01 3.800e-01 -2.000e-02 3.200e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.02e+03 6.00e+00 1.40e-01 1.50e-01 1.40e-01 1.60e-01 1.90e-01  
 1.40e-01 1.20e-01 8.00e-02 1.30e-01 1.70e-01 2.00e-01 1.70e-01  
 1.60e-01 1.90e-01 1.30e-01 9.00e-02 -4.00e-02 1.10e-01 2.20e-01  
 1.50e-01 3.00e-01 -5.10e-01 -6.90e-01 -4.30e-01 4.00e-02 1.00e-01  
 3.10e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.994e+03 8.000e+00 -1.800e-01 -2.200e-01 -1.700e-01 -1.800e-01  
 -9.000e-02 -2.400e-01 -1.900e-01 -5.300e-01 -1.200e-01 -2.600e-01  
 -3.300e-01 -2.400e-01 -1.600e-01 -2.000e-02 -2.800e-01 -1.300e-01  
 -6.900e-01 -4.000e-02 -1.800e-01 2.000e-01 -6.200e-01 -1.010e+00  
 -1.500e+00 -7.800e-01 -1.800e-01 1.200e-01 -6.000e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.011e+03 7.000e+00 5.000e-02 1.700e-01 0.000e+00 6.000e-02  
 1.300e-01 1.000e-02 4.000e-02 2.600e-01 -1.000e-02 -8.000e-02  
 0.000e+00 -1.000e-01 1.400e-01 1.700e-01 1.100e-01 9.000e-02  
 4.500e-01 3.000e-02 2.100e-01 3.000e-01 1.200e-01 9.200e-01  
 1.540e+00 6.300e-01 7.500e-01 5.900e-01 -1.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.01e+03 7.00e+00 2.40e-01 2.10e-01 2.50e-01 3.50e-01 4.20e-01  
 3.10e-01 1.30e-01 -2.80e-01 2.10e-01 1.50e-01 2.00e-01 1.40e-01  
 4.70e-01 5.10e-01 4.50e-01 1.00e-01 -7.20e-01 2.40e-01 4.70e-01  
 6.10e-01 3.10e-01 -1.08e+00 -1.97e+00 -6.60e-01 6.70e-01 5.60e-01  
 -3.10e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.986e+03 5.000e+00 -2.400e-01 -2.700e-01 -2.200e-01 -3.400e-01  
 -3.200e-01 -3.600e-01 -1.300e-01 -1.600e-01 -1.300e-01 -4.600e-01  
 -5.000e-01 -4.500e-01 -2.800e-01 -2.700e-01 -2.900e-01 4.000e-02  
 7.000e-02 4.000e-02 3.600e-01 4.000e-01 3.200e-01 4.000e-02  
 4.800e-01 -1.600e-01 -5.500e-01 -3.800e-01 -1.500e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 3.000e+00 7.000e-02 5.000e-02 7.000e-02 7.000e-02  
 3.000e-02 9.000e-02 6.000e-02 1.000e-01 6.000e-02 1.000e-02  
 -2.000e-02 2.000e-02 9.000e-02 3.000e-02 1.500e-01 1.000e-01  
 2.100e-01 8.000e-02 7.700e-01 6.400e-01 9.300e-01 2.500e-01  
 5.200e-01 1.300e-01 1.600e-01 4.300e-01 -7.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.989e+03 2.000e+00 5.600e-01 6.400e-01 5.400e-01 7.700e-01  
 7.900e-01 7.600e-01 3.600e-01 2.900e-01 3.700e-01 3.800e-01  
 2.000e-01 4.300e-01 9.400e-01 9.400e-01 9.400e-01 3.900e-01  
 3.900e-01 3.900e-01 1.430e+00 8.000e-01 2.150e+00 4.000e-01  
 2.300e-01 4.700e-01 -2.360e+00 -2.340e+00 8.400e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.983e+03 1.000e+01 -1.800e-01 -1.600e-01 -1.800e-01 -1.800e-01  
 -2.000e-02 -2.800e-01 -1.700e-01 -4.700e-01 -1.100e-01 -1.800e-01  
 -2.500e-01 -1.600e-01 -2.000e-01 0.000e+00 -3.700e-01 -1.500e-01  
 -5.200e-01 -8.000e-02 -6.900e-01 -5.600e-01 -8.300e-01 -8.600e-01  
 -1.170e+00 -7.100e-01 2.900e-01 1.000e-01 0.000e+00], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.985e+03 6.000e+00 -3.900e-01 -4.500e-01 -3.600e-01 -4.700e-01  
 -4.900e-01 -4.500e-01 -3.100e-01 -3.400e-01 -3.000e-01 -5.300e-01  
 -7.000e-01 -4.800e-01 -4.700e-01 -4.800e-01 -4.500e-01 -1.500e-01  
 7.000e-02 -1.900e-01 -5.200e-01 -6.500e-01 -3.600e-01 5.500e-01  
 5.300e-01 5.600e-01 -4.000e-01 -5.200e-01 -6.100e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.021e+03 4.000e+00 -1.400e-01 -1.600e-01 -1.300e-01 -2.500e-01  
 -2.800e-01 -2.400e-01 -2.000e-02 1.100e-01 -5.000e-02 -8.000e-02  
 -4.000e-02 -9.000e-02 -3.600e-01 -3.500e-01 -3.600e-01 1.000e-02  
 2.300e-01 -3.000e-02 -2.620e+00 -2.050e+00 -3.270e+00 1.900e-01  
 3.600e-01 1.100e-01 3.300e-01 -5.000e-02 3.500e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 2.000e+00 1.600e-01 1.900e-01 1.600e-01 1.900e-01  
 2.400e-01 1.500e-01 1.400e-01 6.000e-02 1.600e-01 1.400e-01  
 6.000e-02 1.600e-01 2.100e-01 2.900e-01 1.500e-01 1.500e-01  
 9.000e-02 1.600e-01 5.300e-01 5.100e-01 5.500e-01 5.000e-02  
 -3.000e-02 9.000e-02 5.000e-02 2.300e-01 -1.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.014e+03 1.000e+00 1.300e-01 -6.000e-02 2.000e-01 2.100e-01  
 -8.000e-02 4.000e-01 4.000e-02 -3.000e-02 6.000e-02 3.900e-01  
 4.300e-01 3.800e-01 1.200e-01 -2.100e-01 4.100e-01 -1.500e-01  
 -4.000e-01 -1.000e-01 -2.630e+00 -1.950e+00 -3.400e+00 -3.000e-01  
 -4.400e-01 -2.300e-01 -4.100e-01 -9.000e-02 -5.600e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.014e+03 4.000e+00 5.000e-02 1.400e-01 2.000e-02 1.800e-01  
 1.600e-01 1.800e-01 -7.000e-02 9.000e-02 -1.100e-01 -2.800e-01  
 -2.300e-01 -2.900e-01 4.800e-01 2.900e-01 6.500e-01 -3.000e-02  
 2.800e-01 -8.000e-02 3.510e+00 2.550e+00 4.600e+00 4.200e-01  
 8.300e-01 2.200e-01 -5.000e-02 3.400e-01 -4.500e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.017e+03 1.000e+00 1.200e-01 9.000e-02 1.300e-01 -4.000e-02  
 1.000e-02 -7.000e-02 2.700e-01 2.800e-01 2.700e-01 -2.000e-02  
 -4.000e-02 -2.000e-02 -3.000e-02 2.000e-02 -8.000e-02 4.100e-01  
 5.100e-01 4.000e-01 1.000e-02 -1.500e-01 1.900e-01 5.800e-01  
 7.000e-01 5.300e-01 1.300e-01 -1.400e-01 7.300e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.994e+03 6.000e+00 1.300e-01 1.200e-01 1.400e-01 -5.000e-02  
 -1.100e-01 -1.000e-02 3.200e-01 6.400e-01 2.500e-01 -1.600e-01  
 -1.400e-01 -1.600e-01 4.000e-02 -8.000e-02 1.500e-01 5.400e-01  
 1.150e+00 4.300e-01 7.200e-01 6.200e-01 8.300e-01 1.040e+00  
 2.300e+00 4.400e-01 -4.900e-01 -3.300e-01 1.900e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.01e+03 7.00e+00 -1.00e-02 2.00e-02 -2.00e-02 0.00e+00 -1.00e-02  
 0.00e+00 -1.00e-02 1.00e-01 -3.00e-02 -1.50e-01 -2.50e-01 -1.20e-01  
 8.00e-02 4.00e-02 1.30e-01 6.00e-02 4.00e-01 -1.00e-02 2.00e-01  
 0.00e+00 4.30e-01 1.07e+00 8.20e-01 1.18e+00 -1.80e-01 -3.00e-02  
 7.00e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.017e+03 5.000e+00 -1.100e-01 -1.000e-01 -1.200e-01 0.000e+00  
 -4.000e-02 2.000e-02 -2.300e-01 -2.300e-01 -2.200e-01 1.900e-01  
 2.300e-01 1.700e-01 -1.200e-01 -1.200e-01 -1.100e-01 -4.300e-01  
 -5.400e-01 -4.100e-01 -5.500e-01 -3.800e-01 -7.500e-01 -1.110e+00  
 -1.410e+00 -9.700e-01 2.600e-01 2.600e-01 3.100e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 3.000e+00 -4.600e-01 -4.400e-01 -4.800e-01 -1.900e-01  
 -1.200e-01 -2.400e-01 -7.400e-01 -1.160e+00 -6.500e-01 -1.210e+00  
 -1.340e+00 -1.170e+00 3.500e-01 2.000e-01 4.900e-01 -5.000e-01  
 -1.000e+00 -4.100e-01 3.500e+00 2.350e+00 4.830e+00 -6.800e-01  
 -1.230e+00 -4.200e-01 5.900e-01 2.000e-01 -1.070e+00], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 8.000e+00 -1.900e-01 1.300e-01 -3.100e-01 3.400e-01  
 1.700e-01 4.500e-01 -7.200e-01 4.000e-02 -8.800e-01 8.200e-01  
 7.200e-01 8.500e-01 6.000e-02 0.000e+00 1.000e-01 -1.500e+00  
 -4.300e-01 -1.690e+00 7.000e-02 8.000e-02 7.000e-02 -1.480e+00  
 -1.190e+00 -1.620e+00 2.100e-01 3.300e-01 9.000e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.004e+03 8.000e+00 -1.900e-01 -3.300e-01 -1.300e-01 -1.700e-01  
 -3.500e-01 -5.000e-02 -2.100e-01 -2.800e-01 -1.900e-01 -6.000e-02  
 -1.000e-01 -5.000e-02 -2.400e-01 -4.300e-01 -8.000e-02 -2.600e-01  
 -3.900e-01 -2.400e-01 -1.000e-02 -1.900e-01 1.900e-01 -6.700e-01  
 -8.700e-01 -5.700e-01 -1.130e+00 -7.300e-01 -1.100e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.999e+03 2.000e+00 -1.600e-01 -1.500e-01 -1.600e-01 -2.100e-01  
 -1.300e-01 -2.600e-01 -1.000e-01 -1.800e-01 -8.000e-02 -2.300e-01  
 -1.600e-01 -2.400e-01 -1.900e-01 -1.200e-01 -2.500e-01 -5.000e-02  
 -2.000e-01 -2.000e-02 -4.600e-01 -6.100e-01 -2.900e-01 -3.400e-01  
 -5.400e-01 -2.400e-01 6.900e-01 4.000e-01 2.200e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.984e+03 1.200e+01 -3.200e-01 -6.400e-01 -1.900e-01 -4.800e-01  
 -9.000e-01 -2.200e-01 -1.500e-01 -8.000e-02 -1.700e-01 -4.700e-01  
 -5.700e-01 -4.400e-01 -4.600e-01 -9.600e-01 -2.000e-02 -1.000e-02  
 2.200e-01 -5.000e-02 4.000e-02 -3.500e-01 4.800e-01 7.400e-01  
 1.180e+00 5.400e-01 4.800e-01 4.900e-01 1.900e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [2.019e+03 8.000e+00 2.700e-01 2.300e-01 2.800e-01 2.600e-01 2.600e-01  
 2.600e-01 2.800e-01 1.700e-01 3.000e-01 1.700e-01 1.300e-01 1.800e-01  
 2.900e-01 2.800e-01 3.000e-01 3.500e-01 2.300e-01 3.700e-01 2.600e-01  
 2.100e-01 3.200e-01 4.200e-01 5.500e-01 3.600e-01 2.300e-01 1.700e-01  
 3.000e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.99e+03 3.00e+00 -7.00e-02 7.00e-02 -1.20e-01 2.00e-02 2.20e-01  
 -1.10e-01 -1.50e-01 -2.50e-01 -1.30e-01 -2.60e-01 -3.80e-01 -2.20e-01  
 1.70e-01 4.30e-01 -7.00e-02 -1.00e-01 -3.30e-01 -6.00e-02 -9.00e-02  
 4.70e-01 -7.30e-01 -6.80e-01 -6.70e-01 -6.90e-01 5.50e-01 7.80e-01  
 5.60e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.987e+03 3.000e+00 -3.300e-01 -6.300e-01 -2.200e-01 -4.200e-01  
 -7.500e-01 -2.000e-01 -2.500e-01 -3.500e-01 -2.300e-01 2.000e-02  
 -2.000e-02 3.000e-02 -6.400e-01 -9.200e-01 -3.900e-01 -3.900e-01  
 -6.600e-01 -3.400e-01 -5.900e-01 -5.800e-01 -6.100e-01 -3.600e-01  
 -6.000e-01 -2.600e-01 -4.100e-01 -2.400e-01 -1.360e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.005e+03 8.000e+00 -2.200e-01 -3.600e-01 -1.700e-01 -4.800e-01  
 -3.500e-01 -5.700e-01 4.000e-02 -3.900e-01 1.300e-01 -9.800e-01  
 -9.600e-01 -9.800e-01 -2.100e-01 -1.800e-01 -2.400e-01 5.600e-01  
 3.000e-02 6.500e-01 -2.500e-01 -2.600e-01 -2.400e-01 -4.500e-01  
 -1.600e-01 -5.900e-01 -3.200e-01 -4.000e-01 2.000e-02], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.019e+03 2.000e+00 2.100e-01 1.800e-01 2.200e-01 2.500e-01  
 8.000e-02 3.500e-01 1.800e-01 4.100e-01 1.300e-01 3.000e-01  
 2.300e-01 3.200e-01 2.200e-01 7.000e-02 3.600e-01 1.100e-01  
 4.900e-01 4.000e-02 7.600e-01 7.400e-01 7.900e-01 6.400e-01  
 1.140e+00 4.100e-01 -2.400e-01 1.300e-01 -5.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.979e+03 6.000e+00 -2.700e-01 -4.500e-01 -1.900e-01 -3.500e-01  
 -4.500e-01 -2.800e-01 -1.900e-01 -4.500e-01 -1.300e-01 -1.200e-01  
 -2.100e-01 -9.000e-02 -4.500e-01 -5.100e-01 -3.900e-01 -2.400e-01  
 -6.700e-01 -1.700e-01 -5.400e-01 -7.900e-01 -2.500e-01 -1.230e+00  
 -1.730e+00 -1.000e+00 -4.700e-01 -5.200e-01 -1.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.981e+03 6.000e+00 -2.200e-01 -2.800e-01 -1.900e-01 -1.600e-01  
 -2.200e-01 -1.300e-01 -2.700e-01 -4.100e-01 -2.400e-01 -2.400e-01  
 -2.900e-01 -2.300e-01 -1.500e-01 -2.200e-01 -9.000e-02 -2.500e-01  
 -4.400e-01 -2.200e-01 -2.800e-01 -2.400e-01 -3.200e-01 1.000e-01  
 1.600e-01 7.000e-02 4.600e-01 1.800e-01 -3.900e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.998e+03 4.000e+00 5.900e-01 5.000e-01 6.300e-01 6.800e-01  
 5.700e-01 7.500e-01 5.100e-01 3.400e-01 5.400e-01 1.070e+00  
 1.170e+00 1.040e+00 4.700e-01 4.100e-01 5.300e-01 2.100e-01  
 -2.700e-01 2.900e-01 2.800e-01 0.000e+00 6.100e-01 -5.400e-01  
 -1.350e+00 -1.600e-01 -3.100e-01 -2.600e-01 4.400e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [2.017e+03 1.200e+01 2.300e-01 1.800e-01 2.500e-01 1.300e-01 5.000e-02  
 1.800e-01 3.400e-01 4.900e-01 3.000e-01 1.100e-01 1.400e-01 1.000e-01  
 1.400e-01 2.000e-02 2.400e-01 4.600e-01 7.700e-01 4.000e-01 9.200e-01  
 5.600e-01 1.340e+00 1.320e+00 1.780e+00 1.110e+00 4.200e-01 7.400e-01  
 1.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.996e+03 6.000e+00 -2.000e-01 -2.400e-01 -1.900e-01 -2.000e-01  
 -2.000e-01 -2.000e-01 -2.100e-01 -3.300e-01 -1.800e-01 -9.000e-02  
 -1.400e-01 -7.000e-02 -2.600e-01 -2.200e-01 -3.000e-01 -2.600e-01  
 -4.500e-01 -2.300e-01 -7.800e-01 -6.500e-01 -9.300e-01 1.500e-01  
 -4.400e-01 4.300e-01 4.300e-01 2.500e-01 -5.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.004e+03 7.000e+00 1.600e-01 4.200e-01 6.000e-02 3.900e-01  
 4.500e-01 3.500e-01 -7.000e-02 3.300e-01 -1.600e-01 4.800e-01  
 5.500e-01 4.600e-01 2.900e-01 4.200e-01 1.800e-01 -3.200e-01  
 2.100e-01 -4.100e-01 2.300e-01 2.500e-01 2.100e-01 1.260e+00  
 1.090e+00 1.350e+00 5.500e-01 3.800e-01 4.000e-02], True Label: Lower Stratosphere, Predicted Label: Lower  
Test Point: [ 1.98e+03 1.00e+00 -2.30e-01 -4.80e-01 -1.30e-01 -2.80e-01 -6.00e-01  
 -7.00e-02 -1.70e-01 -1.90e-01 -1.70e-01 -1.80e-01 -2.00e-01 -1.70e-01  
 -3.60e-01 -7.10e-01 -4.00e-02 -1.40e-01 -1.80e-01 -1.40e-01 4.60e-01  
 4.50e-01 4.80e-01 5.60e-01 5.00e-01 5.80e-01 -7.40e-01 -7.60e-01  
 -3.40e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.007e+03 1.100e+01 -1.200e-01 -3.000e-01 -5.000e-02 -1.600e-01  
 -1.700e-01 -1.600e-01 -8.000e-02 -6.000e-01 3.000e-02 -5.000e-02  
 -1.900e-01 0.000e+00 -2.300e-01 -1.700e-01 -2.800e-01 -1.000e-01  
 -8.900e-01 4.000e-02 8.800e-01 7.500e-01 1.030e+00 -1.510e+00  
 -2.680e+00 -9.600e-01 -2.800e-01 -7.000e-02 -4.000e-02], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.986e+03 6.000e+00 -3.100e-01 -3.700e-01 -2.900e-01 -3.200e-01  
 -3.200e-01 -3.300e-01 -3.000e-01 -4.900e-01 -2.600e-01 -3.800e-01  
 -4.400e-01 -3.600e-01 -3.000e-01 -2.900e-01 -3.100e-01 -2.500e-01  
 -4.900e-01 -2.100e-01 -2.700e-01 -5.000e-01 -1.000e-02 -2.100e-01  
 -7.300e-01 3.000e-02 3.700e-01 2.600e-01 -4.800e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.012e+03 9.000e+00 3.000e-02 5.000e-02 2.000e-02 -1.000e-02  
 9.000e-02 -8.000e-02 7.000e-02 -3.000e-02 9.000e-02 -1.100e-01  
 -1.300e-01 -1.000e-01 4.000e-02 1.400e-01 -5.000e-02 1.600e-01  
 5.000e-02 1.700e-01 2.700e-01 2.500e-01 2.900e-01 2.100e-01  
 9.000e-02 2.600e-01 -2.400e-01 -1.100e-01 3.200e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 1.000e+01 -1.400e-01 -1.500e-01 -1.400e-01 -3.800e-01  
 -2.000e-01 -5.000e-01 1.000e-01 -3.000e-02 1.200e-01 -7.500e-01  
 -6.800e-01 -7.800e-01 -1.700e-01 -7.000e-02 -2.700e-01 5.300e-01  
 4.600e-01 5.500e-01 7.400e-01 5.400e-01 9.700e-01 2.080e+00  
 9.500e-01 2.610e+00 -9.000e-01 -6.900e-01 5.700e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.005e+03 1.200e+01 -3.000e-02 1.900e-01 -1.200e-01 -2.000e-02  
 1.200e-01 -1.100e-01 -5.000e-02 3.400e-01 -1.300e-01 -4.000e-02  
 -1.000e-02 -5.000e-02 -2.000e-02 1.400e-01 -1.500e-01 -5.000e-02  
 6.800e-01 -1.700e-01 1.010e+00 1.230e+00 7.600e-01 7.700e-01  
 1.670e+00 3.500e-01 -6.300e-01 -2.100e-01 4.500e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.999e+03 1.100e+01 -2.000e-01 -2.100e-01 -1.900e-01 -7.000e-02  
 5.000e-02 -1.400e-01 -3.300e-01 -8.000e-01 -2.300e-01 -4.000e-01  
 -3.600e-01 -4.100e-01 8.000e-02 1.200e-01 5.000e-02 -2.700e-01  
 -1.020e+00 -1.400e-01 -1.900e-01 -2.500e-01 -1.100e-01 -6.000e-01  
 -1.060e+00 -3.800e-01 1.870e+00 1.320e+00 -1.560e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.009e+03 6.000e+00 -2.900e-01 -3.300e-01 -2.800e-01 -3.800e-01  
 -5.100e-01 -3.000e-01 -2.000e-01 9.000e-02 -2.700e-01 -1.300e-01  
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 2.900e-01 -3.400e-01 -4.300e-01 -2.800e-01 -5.900e-01 3.400e-01  
 1.300e+00 -1.100e-01 -5.800e-01 -5.500e-01 -5.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 5.000e+00 5.200e-01 5.400e-01 5.100e-01 4.100e-01  
 4.300e-01 4.000e-01 6.200e-01 8.000e-01 5.900e-01 8.600e-01  
 8.900e-01 8.400e-01 2.200e-01 3.000e-01 1.600e-01 4.600e-01  
 7.400e-01 4.100e-01 -2.200e-01 -2.100e-01 -2.300e-01 8.600e-01  
 4.100e-01 1.080e+00 6.200e-01 4.800e-01 1.500e+00], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.009e+03 1.100e+01 1.700e-01 2.000e-01 1.500e-01 2.000e-01  
 1.800e-01 2.100e-01 1.300e-01 2.400e-01 1.100e-01 1.500e-01  
 1.300e-01 1.600e-01 2.400e-01 2.100e-01 2.600e-01 1.000e-01  
 2.700e-01 7.000e-02 1.500e+00 1.080e+00 1.990e+00 -1.300e-01  
 5.600e-01 -4.500e-01 1.200e-01 4.000e-01 -1.300e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.014e+03 8.000e+00 -3.000e-02 -1.500e-01 1.000e-02 -1.300e-01  
 -1.600e-01 -1.100e-01 6.000e-02 -1.300e-01 1.000e-01 -1.400e-01  
 -1.300e-01 -1.500e-01 -1.200e-01 -1.700e-01 -7.000e-02 1.700e-01  
 -1.400e-01 2.200e-01 -2.000e-02 2.000e-02 -6.000e-02 5.000e-02  
 -4.200e-01 2.800e-01 -1.400e-01 -1.100e-01 -6.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.015e+03 1.000e+01 2.900e-01 4.000e-01 2.500e-01 5.600e-01  
 5.000e-01 5.900e-01 3.000e-02 1.700e-01 0.000e+00 6.000e-01  
 6.000e-01 5.900e-01 5.400e-01 4.800e-01 5.900e-01 -2.700e-01  
 -1.600e-01 -2.900e-01 3.600e-01 3.400e-01 3.900e-01 -1.590e+00  
 -1.030e+00 -1.860e+00 1.040e+00 1.070e+00 4.900e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.003e+03 7.000e+00 -7.000e-02 -1.200e-01 -5.000e-02 -9.000e-02  
 -1.100e-01 -8.000e-02 -5.000e-02 -1.400e-01 -3.000e-02 -2.000e-02  
 -5.000e-02 -1.000e-02 -1.200e-01 -1.100e-01 -1.300e-01 -7.000e-02  
 -2.300e-01 -4.000e-02 9.000e-02 1.400e-01 4.000e-02 -4.200e-01  
 -7.300e-01 -2.800e-01 1.800e-01 2.000e-01 2.200e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.001e+03 5.000e+00 1.700e-01 1.500e-01 1.800e-01 1.300e-01  
 6.000e-02 1.800e-01 2.200e-01 3.700e-01 1.800e-01 1.500e-01  
 7.000e-02 1.800e-01 1.200e-01 5.000e-02 1.800e-01 2.500e-01  
 6.100e-01 1.900e-01 -8.100e-01 -4.800e-01 -1.190e+00 2.100e-01  
 9.200e-01 -1.300e-01 4.800e-01 6.300e-01 5.800e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 1.100e+01 7.000e-02 1.300e-01 4.000e-02 -2.000e-01  
 -3.700e-01 -8.000e-02 3.300e-01 1.260e+00 1.400e-01 1.800e-01  
 1.700e-01 1.800e-01 -4.300e-01 -5.200e-01 -3.500e-01 4.500e-01  
 2.130e+00 1.500e-01 -9.700e-01 -1.030e+00 -9.000e-01 4.820e+00  
 6.050e+00 4.230e+00 -6.900e-01 -1.270e+00 -5.500e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 2.000e+00 5.000e-02 6.000e-02 4.000e-02 9.000e-02  
 9.000e-02 9.000e-02 0.000e+00 0.000e+00 0.000e+00 -1.600e-01  
 2.000e-02 -2.100e-01 2.400e-01 1.000e-01 3.600e-01 7.000e-02  
 1.000e-02 8.000e-02 1.280e+00 9.000e-01 1.710e+00 1.100e-01  
 -1.000e-02 1.700e-01 4.000e-02 1.100e-01 1.100e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.979e+03 1.100e+01 -7.000e-02 2.000e-02 -1.100e-01 8.000e-02  
 1.000e-01 6.000e-02 -2.200e-01 -1.600e-01 -2.300e-01 -7.000e-02  
 -1.500e-01 -4.000e-02 1.500e-01 1.600e-01 1.500e-01 -3.000e-01  
 -1.200e-01 -3.300e-01 1.300e-01 4.100e-01 -1.900e-01 4.000e-02  
 1.400e-01 -1.000e-02 -7.300e-01 -3.100e-01 -1.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.001e+03 1.000e+00 -3.100e-01 -3.000e-01 -3.200e-01 -4.100e-01  
 -3.100e-01 -4.700e-01 -2.200e-01 -2.700e-01 -2.100e-01 -5.100e-01  
 -4.800e-01 -5.200e-01 -3.500e-01 -2.700e-01 -4.200e-01 -6.000e-02  
 -7.000e-02 -6.000e-02 -3.100e-01 -2.800e-01 -3.500e-01 1.000e-02  
 3.000e-01 -1.200e-01 1.000e-02 2.000e-02 -3.900e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 1.996e+03 5.000e+00 -1.400e-01 -2.600e-01 -9.000e-02 -1.900e-01  
 -1.600e-01 -2.200e-01 -9.000e-02 -4.800e-01 0.000e+00 -4.700e-01  
 -5.100e-01 -4.500e-01 -1.000e-02 -5.000e-02 3.000e-02 7.000e-02  
 -5.200e-01 1.800e-01 3.200e-01 2.400e-01 4.100e-01 -3.800e-01  
 -1.310e+00 5.000e-02 -6.300e-01 -6.100e-01 1.000e-02], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.01e+03 1.10e+01 1.00e-02 1.00e-01 -3.00e-02 1.30e-01 4.40e-01  
 -7.00e-02 -1.10e-01 -6.70e-01 0.00e+00 -1.70e-01 -3.00e-02 -2.10e-01  
 2.90e-01 5.50e-01 6.00e-02 -9.00e-02 -1.13e+00 9.00e-02 1.80e-01  
 4.70e-01 -1.50e-01 -1.48e+00 -2.24e+00 -1.12e+00 -3.00e-02 7.00e-02  
 -5.50e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.021e+03 6.000e+00 -4.000e-02 1.500e-01 -1.100e-01 2.800e-01  
 4.400e-01 1.800e-01 -3.500e-01 -5.100e-01 -3.200e-01 -1.000e-01  
 -4.000e-02 -1.200e-01 4.700e-01 5.600e-01 3.900e-01 -4.700e-01  
 -8.200e-01 -4.100e-01 6.100e-01 6.400e-01 5.800e-01 -1.190e+00  
 -1.400e+00 -1.080e+00 1.070e+00 9.900e-01 -5.100e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.983e+03 6.000e+00 1.600e-01 -6.000e-02 2.400e-01 1.200e-01  
 -1.800e-01 3.100e-01 1.900e-01 2.100e-01 1.900e-01 5.200e-01  
 5.100e-01 5.200e-01 -8.000e-02 -3.400e-01 1.600e-01 1.000e-02  
 -7.000e-02 2.000e-02 -7.000e-02 -4.000e-01 3.200e-01 -5.500e-01  
 -3.500e-01 -6.500e-01 6.000e-02 7.000e-02 1.400e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.022e+03 7.000e+00 1.800e-01 3.000e-01 1.400e-01 2.700e-01  
 3.100e-01 2.300e-01 1.000e-01 2.800e-01 6.000e-02 2.500e-01  
 3.300e-01 2.200e-01 2.800e-01 3.200e-01 2.500e-01 2.000e-02  
 2.200e-01 -1.000e-02 2.900e-01 3.300e-01 2.400e-01 -2.700e-01  
 -7.000e-02 -3.600e-01 2.700e-01 3.200e-01 4.500e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.013e+03 8.000e+00 5.000e-02 1.100e-01 3.000e-02 1.400e-01  
 1.900e-01 1.100e-01 -4.000e-02 -6.000e-02 -4.000e-02 4.000e-02  
 6.000e-02 3.000e-02 2.000e-01 2.200e-01 1.800e-01 -8.000e-02  
 -1.500e-01 -7.000e-02 4.800e-01 4.200e-01 5.500e-01 -3.500e-01  
 -1.600e-01 -4.400e-01 -2.000e-02 8.000e-02 -2.300e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.021e+03 4.000e+00 -5.000e-02 -7.000e-02 -4.000e-02 5.000e-02  
 -2.000e-02 1.100e-01 -1.500e-01 -1.800e-01 -1.500e-01 -2.800e-01  
 -2.700e-01 -2.800e-01 2.200e-01 5.000e-02 3.700e-01 -8.000e-02  
 -1.200e-01 -7.000e-02 2.000e-02 2.000e-02 2.000e-02 -1.400e-01  
 -5.600e-01 6.000e-02 -2.000e-02 1.000e-01 2.900e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.996e+03 8.000e+00 -9.000e-02 -1.400e-01 -7.000e-02 -3.600e-01  
 -4.100e-01 -3.300e-01 1.900e-01 4.800e-01 1.200e-01 -3.500e-01  
 -2.900e-01 -3.600e-01 -3.700e-01 -4.500e-01 -3.000e-01 4.700e-01  
 1.070e+00 3.600e-01 -7.700e-01 -9.400e-01 -5.900e-01 2.030e+00  
 2.690e+00 1.720e+00 -2.900e-01 -3.700e-01 -2.700e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.015e+03 1.200e+01 2.800e-01 2.500e-01 2.900e-01 3.400e-01  
 3.400e-01 3.500e-01 2.200e-01 7.000e-02 2.500e-01 6.100e-01  
 4.000e-01 6.800e-01 2.200e-01 3.500e-01 1.000e-01 0.000e+00  
 -2.600e-01 4.000e-02 -1.250e+00 -9.400e-01 -1.610e+00 -6.100e-01  
 -1.050e+00 -4.000e-01 1.120e+00 6.900e-01 3.000e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.021e+03 1.000e+00 5.000e-02 1.400e-01 1.000e-02 2.300e-01  
 3.500e-01 1.500e-01 -1.400e-01 -3.500e-01 -1.000e-01 -9.000e-02  
 8.000e-02 -1.400e-01 3.800e-01 3.800e-01 3.800e-01 -1.500e-01  
 -5.500e-01 -8.000e-02 1.300e+00 9.000e-01 1.750e+00 -7.100e-01  
 -9.700e-01 -6.000e-01 2.300e-01 4.700e-01 -3.400e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.009e+03 9.000e+00 1.000e-01 1.800e-01 7.000e-02 1.500e-01  
 2.000e-01 1.200e-01 5.000e-02 1.400e-01 3.000e-02 3.300e-01  
 3.600e-01 3.200e-01 5.000e-02 1.600e-01 -6.000e-02 -9.000e-02  
 -4.000e-02 -1.000e-01 1.000e-01 3.300e-01 -1.800e-01 -6.200e-01  
 -1.700e-01 -8.400e-01 0.000e+00 -1.000e-02 3.900e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.989e+03 6.000e+00 -3.600e-01 -5.400e-01 -2.900e-01 -4.400e-01  
 -4.700e-01 -4.200e-01 -2.800e-01 -7.000e-01 -1.900e-01 -5.800e-01  
 -5.200e-01 -6.000e-01 -3.900e-01 -4.800e-01 -3.100e-01 -1.000e-01  
 -7.900e-01 2.000e-02 -4.100e-01 -4.600e-01 -3.600e-01 -4.700e-01  
 -1.480e+00 1.000e-02 -5.100e-01 -4.900e-01 -2.800e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.017e+03 6.000e+00 5.000e-02 2.000e-02 6.000e-02 1.200e-01  
 8.000e-02 1.400e-01 -2.000e-02 -1.200e-01 1.000e-02 2.500e-01  
 3.900e-01 2.000e-01 6.000e-02 4.000e-02 9.000e-02 -1.700e-01  
 -6.100e-01 -9.000e-02 -2.900e-01 -2.100e-01 -3.800e-01 -1.270e+00  
 -2.060e+00 -8.900e-01 2.900e-01 2.500e-01 6.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.021e+03 8.000e+00 1.100e-01 3.100e-01 4.000e-02 2.600e-01  
 3.600e-01 2.000e-01 -4.000e-02 1.800e-01 -8.000e-02 1.000e-01  
 2.000e-01 8.000e-02 3.600e-01 4.100e-01 3.100e-01 -1.300e-01  
 1.300e-01 -1.800e-01 7.200e-01 8.500e-01 5.700e-01 -4.700e-01  
 1.000e-02 -7.000e-01 3.400e-01 3.100e-01 1.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.989e+03 1.000e+00 -5.400e-01 -7.000e-01 -4.800e-01 -6.400e-01  
 -6.500e-01 -6.400e-01 -4.400e-01 -8.000e-01 -3.700e-01 -6.700e-01  
 -6.300e-01 -6.900e-01 -6.200e-01 -6.600e-01 -5.700e-01 -3.300e-01  
 -9.100e-01 -2.300e-01 -2.330e+00 -2.280e+00 -2.380e+00 -4.000e-01  
 -6.500e-01 -2.800e-01 4.800e-01 -4.400e-01 -1.410e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.019e+03 3.000e+00 2.200e-01 2.700e-01 1.900e-01 2.500e-01  
 2.500e-01 2.500e-01 1.800e-01 3.200e-01 1.500e-01 3.100e-01  
 2.800e-01 3.200e-01 1.900e-01 2.600e-01 1.300e-01 1.500e-01  
 3.100e-01 1.200e-01 7.300e-01 1.230e+00 1.700e-01 1.800e-01  
 4.000e-01 7.000e-02 -8.200e-01 -1.200e-01 3.800e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.003e+03 1.000e+00 2.000e-01 4.200e-01 1.100e-01 3.100e-01  
 4.700e-01 2.000e-01 9.000e-02 3.000e-01 4.000e-02 3.200e-01  
 2.900e-01 3.300e-01 2.900e-01 5.300e-01 8.000e-02 -3.000e-02  
 2.700e-01 -8.000e-02 2.500e-01 4.100e-01 6.000e-02 7.100e-01  
 6.700e-01 7.200e-01 5.300e-01 8.200e-01 -1.300e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.994e+03 9.000e+00 -1.700e-01 -2.500e-01 -1.300e-01 -1.700e-01  
 -2.200e-01 -1.400e-01 -1.600e-01 -3.200e-01 -1.300e-01 -1.100e-01  
 -1.600e-01 -1.000e-01 -1.900e-01 -2.300e-01 -1.500e-01 -2.000e-01  
 -4.500e-01 -1.600e-01 -3.300e-01 -2.700e-01 -4.000e-01 -7.700e-01  
 -8.900e-01 -7.200e-01 -6.000e-01 -5.700e-01 -2.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 1.000e+00 1.800e-01 3.100e-01 1.300e-01 3.600e-01  
 4.300e-01 3.100e-01 0.000e+00 4.000e-02 0.000e+00 1.100e-01  
 9.000e-02 1.100e-01 4.800e-01 5.200e-01 4.400e-01 -4.000e-02  
 -2.000e-02 -5.000e-02 1.380e+00 1.510e+00 1.230e+00 0.000e+00  
 2.500e-01 -1.200e-01 -6.900e-01 -2.600e-01 -2.800e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.988e+03 7.000e+00 3.000e-02 1.300e-01 -1.000e-02 6.000e-02  
 2.300e-01 -6.000e-02 0.000e+00 -1.200e-01 2.000e-02 -2.100e-01  
 -2.300e-01 -2.000e-01 2.000e-01 3.500e-01 6.000e-02 1.000e-01  
 -1.000e-02 1.200e-01 3.500e-01 4.900e-01 1.800e-01 3.500e-01  
 -1.600e-01 5.900e-01 1.900e-01 1.500e-01 2.700e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.007e+03 5.000e+00 -2.000e-02 2.300e-01 -1.200e-01 2.000e-02  
 1.700e-01 -8.000e-02 -6.000e-02 3.500e-01 -1.500e-01 1.000e-02  
 1.200e-01 -3.000e-02 1.000e-02 1.800e-01 -1.400e-01 -8.000e-02  
 5.300e-01 -1.900e-01 -4.400e-01 -3.700e-01 -5.300e-01 2.500e-01  
 1.510e+00 -3.400e-01 1.600e-01 7.000e-02 2.800e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.997e+03 5.000e+00 -7.000e-02 1.000e-01 -1.400e-01 6.000e-02  
 1.100e-01 2.000e-02 -1.900e-01 9.000e-02 -2.500e-01 -6.000e-02  
 1.400e-01 -1.200e-01 1.200e-01 1.200e-01 1.300e-01 -2.700e-01  
 0.000e+00 -3.200e-01 1.530e+00 1.400e+00 1.680e+00 8.000e-01  
 8.500e-01 7.800e-01 -2.000e-02 3.000e-01 -7.500e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.994e+03 1.000e+00 3.000e-02 4.100e-01 -1.200e-01 2.400e-01  
 6.600e-01 -2.000e-02 -1.800e-01 -1.500e-01 -1.900e-01 -3.100e-01  
 -3.600e-01 -3.000e-01 4.900e-01 9.100e-01 1.000e-01 -7.000e-02  
 6.000e-02 -9.000e-02 1.910e+00 2.240e+00 1.520e+00 2.800e-01  
 2.700e-01 2.900e-01 8.300e-01 1.140e+00 3.000e-02], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.986e+03 1.000e+01 -4.300e-01 -5.600e-01 -3.800e-01 -4.200e-01  
 -4.900e-01 -3.800e-01 -4.300e-01 -7.100e-01 -3.800e-01 -2.900e-01  
 -4.700e-01 -2.400e-01 -5.200e-01 -5.300e-01 -5.000e-01 -4.900e-01  
 -7.900e-01 -4.400e-01 -4.500e-01 -2.500e-01 -6.700e-01 -5.500e-01  
 -7.000e-01 -4.800e-01 -6.600e-01 -4.600e-01 -1.040e+00], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.004e+03 1.000e+01 -4.000e-02 -1.000e-02 -4.000e-02 -9.000e-02  
 -9.000e-02 -9.000e-02 2.000e-02 1.600e-01 -1.000e-02 -1.600e-01  
 -1.800e-01 -1.600e-01 -6.000e-02 -7.000e-02 -5.000e-02 1.200e-01  
 4.300e-01 7.000e-02 2.800e-01 4.000e-01 1.400e-01 1.760e+00  
 1.750e+00 1.770e+00 -1.200e-01 1.000e-01 -6.000e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 1.998e+03 1.000e+01 1.400e-01 2.800e-01 9.000e-02 3.800e-01  
 4.600e-01 3.300e-01 -1.000e-01 -1.400e-01 -9.000e-02 4.900e-01  
 5.100e-01 4.800e-01 3.200e-01 4.400e-01 2.100e-01 -4.000e-01  
 -6.100e-01 -3.700e-01 2.100e-01 2.900e-01 1.300e-01 -2.520e+00  
 -2.270e+00 -2.650e+00 3.000e-01 2.700e-01 8.400e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 2.002e+03 5.000e+00 1.200e-01 1.000e-01 1.300e-01 7.000e-02  
 1.000e-02 1.100e-01 1.700e-01 3.100e-01 1.500e-01 1.300e-01  
 8.000e-02 1.500e-01 3.000e-02 -1.000e-02 6.000e-02 2.100e-01  
 4.900e-01 1.600e-01 -2.900e-01 -3.400e-01 -2.400e-01 5.500e-01  
 1.430e+00 1.300e-01 -5.000e-02 -1.100e-01 -2.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.011e+03 1.000e+00 5.000e-02 9.000e-02 3.000e-02 7.000e-02  
 7.000e-02 7.000e-02 3.000e-02 1.400e-01 1.000e-02 1.030e+00  
 7.500e-01 1.120e+00 -3.600e-01 -6.000e-02 -6.300e-01 -5.700e-01  
 -4.600e-01 -5.900e-01 -2.100e+00 -1.920e+00 -2.300e+00 -5.400e-01  
 -6.500e-01 -4.900e-01 1.800e-01 -4.600e-01 -3.800e-01], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 2.011e+03 8.000e+00 1.000e-02 1.300e-01 -4.000e-02 0.000e+00  
 6.000e-02 -3.000e-02 1.000e-02 2.900e-01 -4.000e-02 -3.000e-02  
 1.000e-02 -4.000e-02 3.000e-02 7.000e-02 0.000e+00 2.000e-02  
 4.900e-01 -6.000e-02 9.000e-02 6.000e-02 1.200e-01 6.400e-01  
 1.460e+00 2.600e-01 5.800e-01 3.800e-01 7.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.98e+03 7.00e+00 -5.00e-02 1.00e-02 -8.00e-02 -5.00e-02 -9.00e-02  
 -3.00e-02 -5.00e-02 2.50e-01 -1.10e-01 -7.00e-02 -1.40e-01 -5.00e-02  
 -7.00e-02 -9.00e-02 -4.00e-02 -1.00e-02 5.90e-01 -1.20e-01 -5.40e-01  
 -5.00e-01 -5.80e-01 1.09e+00 2.04e+00 6.30e-01 4.50e-01 3.50e-01  
 -3.70e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.017e+03 2.000e+00 2.300e-01 4.200e-01 1.500e-01 3.200e-01  
 5.200e-01 1.900e-01 1.300e-01 2.000e-01 1.200e-01 -2.000e-02  
 -7.000e-02 -1.000e-02 5.000e-01 6.700e-01 3.400e-01 2.100e-01  
 4.000e-01 1.800e-01 1.140e+00 1.110e+00 1.170e+00 3.600e-01  
 6.300e-01 2.400e-01 1.440e+00 1.310e+00 2.100e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.007e+03 2.000e+00 -1.000e-02 -1.000e-02 -1.000e-02 8.000e-02  
 3.000e-02 1.100e-01 -1.000e-01 -9.000e-02 -1.000e-01 1.400e-01  
 1.400e-01 1.400e-01 3.000e-02 -2.000e-02 8.000e-02 -2.200e-01  
 -2.300e-01 -2.100e-01 -2.100e-01 -4.900e-01 1.100e-01 -2.200e-01  
 -3.800e-01 -1.400e-01 -6.000e-01 -3.900e-01 -2.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.984e+03 8.000e+00 -2.600e-01 -2.700e-01 -2.600e-01 -3.400e-01  
 -2.200e-01 -4.100e-01 -1.900e-01 -3.900e-01 -1.400e-01 -5.100e-01  
 -5.100e-01 -5.100e-01 -2.400e-01 -1.400e-01 -3.200e-01 -2.000e-02  
 -3.000e-01 2.000e-02 2.900e-01 2.800e-01 3.100e-01 -1.100e-01  
 -4.300e-01 3.000e-02 -4.400e-01 -3.100e-01 6.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.003e+03 9.000e+00 -2.000e-02 7.000e-02 -6.000e-02 7.000e-02  
 7.000e-02 7.000e-02 -1.200e-01 6.000e-02 -1.500e-01 -4.000e-02  
 -1.800e-01 0.000e+00 1.200e-01 1.400e-01 1.000e-01 -1.400e-01  
 2.600e-01 -2.100e-01 2.800e-01 5.200e-01 1.000e-02 3.100e-01  
 4.000e-01 2.600e-01 -4.700e-01 -5.300e-01 7.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.997e+03 6.000e+00 -1.700e-01 -2.200e-01 -1.600e-01 -2.500e-01  
 -2.700e-01 -2.500e-01 -1.000e-01 -1.300e-01 -9.000e-02 -1.700e-01  
 -1.800e-01 -1.700e-01 -3.200e-01 -3.000e-01 -3.300e-01 -4.000e-02  
 -5.000e-02 -3.000e-02 -6.000e-02 -1.200e-01 1.000e-02 8.400e-01  
 9.400e-01 8.000e-01 -2.800e-01 -2.300e-01 -1.090e+00], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.984e+03 3.000e+00 -2.700e-01 -3.900e-01 -2.200e-01 -5.500e-01  
 -5.800e-01 -5.300e-01 1.000e-02 3.000e-02 0.000e+00 -1.600e-01  
 -1.800e-01 -1.600e-01 -7.600e-01 -7.000e-01 -8.100e-01 1.000e-01  
 2.400e-01 7.000e-02 -5.100e-01 -3.500e-01 -7.000e-01 4.700e-01  
 7.600e-01 3.400e-01 -1.220e+00 -7.500e-01 -5.900e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.017e+03 8.000e+00 2.900e-01 2.500e-01 3.100e-01 2.900e-01  
 3.200e-01 2.800e-01 2.900e-01 1.000e-01 3.300e-01 3.200e-01  
 4.200e-01 2.900e-01 2.700e-01 3.000e-01 2.400e-01 2.800e-01  
 -1.900e-01 3.700e-01 3.400e-01 8.200e-01 -2.100e-01 -4.500e-01  
 -1.070e+00 -1.500e-01 -5.900e-01 -5.800e-01 6.800e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.011e+03 1.000e+00 -2.100e-01 -2.600e-01 -1.800e-01 -3.500e-01  
 -3.700e-01 -3.300e-01 -6.000e-02 -2.000e-02 -7.000e-02 -4.700e-01  
 -2.900e-01 -5.200e-01 -2.800e-01 -3.900e-01 -1.800e-01 1.400e-01  
 1.800e-01 1.400e-01 3.400e-01 3.500e-01 3.400e-01 -2.900e-01  
 8.000e-02 -4.700e-01 -8.000e-01 -5.900e-01 4.500e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.989e+03 8.000e+00 -2.600e-01 -2.100e-01 -2.800e-01 -2.000e-01  
 -2.700e-01 -1.500e-01 -3.300e-01 -7.000e-02 -3.800e-01 -1.300e-01  
 -1.200e-01 -1.400e-01 -2.200e-01 -3.000e-01 -1.600e-01 -4.400e-01  
 -8.000e-02 -5.100e-01 -1.400e-01 -1.900e-01 -7.000e-02 -3.900e-01  
 -2.900e-01 -4.300e-01 -2.700e-01 -2.400e-01 3.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.002e+03 9.000e+00 8.000e-02 2.000e-02 1.000e-01 -1.500e-01  
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 -1.700e-01 -1.000e-01 -1.800e-01 -1.900e-01 -1.700e-01 5.500e-01  
 9.800e-01 4.700e-01 -4.000e-02 -7.000e-02 0.000e+00 2.590e+00  
 2.800e+00 2.490e+00 1.100e-01 1.700e-01 0.000e+00], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 6.000e+00 6.000e-02 1.600e-01 3.000e-02 1.800e-01  
 2.500e-01 1.300e-01 -5.000e-02 -5.000e-02 -5.000e-02 -2.000e-02  
 1.000e-02 -3.000e-02 3.000e-01 3.300e-01 2.700e-01 -8.000e-02  
 -1.200e-01 -7.000e-02 4.400e-01 4.000e-01 4.800e-01 -1.600e-01  
 4.000e-02 -2.600e-01 7.700e-01 5.900e-01 -4.700e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.007e+03 6.000e+00 0.000e+00 1.100e-01 -5.000e-02 8.000e-02  
 7.000e-02 8.000e-02 -9.000e-02 1.900e-01 -1.400e-01 0.000e+00  
 2.000e-02 0.000e+00 1.100e-01 1.000e-01 1.200e-01 -1.200e-01  
 2.800e-01 -1.900e-01 4.900e-01 -3.000e-02 1.080e+00 7.500e-01  
 1.760e+00 2.700e-01 9.000e-02 7.000e-02 -1.570e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.986e+03 2.000e+00 4.400e-01 5.700e-01 3.900e-01 5.500e-01  
 7.200e-01 4.400e-01 3.300e-01 2.500e-01 3.500e-01 6.700e-01  
 7.600e-01 6.400e-01 4.300e-01 6.900e-01 1.900e-01 2.100e-01  
 -1.000e-01 2.700e-01 -3.220e+00 -1.780e+00 -4.860e+00 -6.500e-01  
 -1.170e+00 -4.000e-01 1.400e-01 3.400e-01 7.300e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.013e+03 8.000e+00 -7.000e-02 5.000e-02 -1.200e-01 -1.100e-01  
 -4.000e-02 -1.600e-01 -3.000e-02 2.600e-01 -1.000e-01 -1.800e-01  
 -1.600e-01 -1.900e-01 -6.000e-02 2.000e-02 -1.300e-01 2.000e-02  
 4.900e-01 -6.000e-02 -6.000e-02 1.500e-01 -3.000e-01 3.400e-01  
 1.160e+00 -4.000e-02 -2.500e-01 -1.500e-01 8.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.014e+03 1.200e+01 -1.100e-01 6.000e-02 -1.800e-01 -9.000e-02  
 1.300e-01 -2.400e-01 -1.400e-01 -9.000e-02 -1.400e-01 -4.600e-01  
 -3.800e-01 -4.800e-01 7.000e-02 2.600e-01 -9.000e-02 6.000e-02  
 1.300e-01 5.000e-02 -2.600e-01 1.700e-01 -7.500e-01 6.800e-01  
 4.000e-01 8.100e-01 -5.700e-01 -6.200e-01 -2.600e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.009e+03 7.000e+00 -1.400e-01 2.000e-01 -2.700e-01 2.000e-01  
 3.200e-01 1.300e-01 -4.700e-01 -8.000e-02 -5.600e-01 -1.300e-01  
 -6.000e-02 -1.500e-01 3.700e-01 4.200e-01 3.300e-01 -6.500e-01  
 -9.000e-02 -7.500e-01 5.000e-02 1.300e-01 -5.000e-02 -3.400e-01  
 -4.700e-01 -2.800e-01 9.300e-01 6.800e-01 -4.800e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.005e+03 1.000e+01 3.000e-02 5.000e-02 2.000e-02 -4.000e-02  
 -4.000e-02 -3.000e-02 9.000e-02 2.600e-01 6.000e-02 -2.100e-01  
 -1.900e-01 -2.200e-01 5.000e-02 -1.000e-02 9.000e-02 2.600e-01  
 6.200e-01 2.000e-01 -2.700e-01 -3.000e-01 -2.300e-01 1.030e+00  
 1.390e+00 8.500e-01 4.800e-01 4.200e-01 1.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.98e+03 1.10e+01 -2.70e-01 -1.00e-01 -3.40e-01 -2.00e-01 -2.00e-02  
 -3.20e-01 -3.50e-01 -2.70e-01 -3.60e-01 -4.40e-01 -5.20e-01 -4.20e-01  
 -1.20e-01 1.10e-01 -3.30e-01 -2.50e-01 -8.00e-02 -2.80e-01 -1.28e+00  
 -8.70e-01 -1.75e+00 -4.00e-02 3.60e-01 -2.30e-01 -1.00e-01 -8.00e-02  
 1.90e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.004e+03 8.000e+00 -1.200e-01 -1.900e-01 -9.000e-02 -1.100e-01  
 -2.000e-01 -5.000e-02 -1.300e-01 -1.700e-01 -1.200e-01 -7.000e-02  
 -1.200e-01 -6.000e-02 -1.500e-01 -2.200e-01 -8.000e-02 -1.400e-01  
 -2.000e-01 -1.200e-01 3.000e-02 6.000e-02 0.000e+00 -1.100e-01  
 -1.800e-01 -7.000e-02 -4.500e-01 -4.700e-01 6.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.995e+03 6.000e+00 0.000e+00 3.000e-02 -1.000e-02 8.000e-02  
 1.100e-01 7.000e-02 -8.000e-02 -1.400e-01 -6.000e-02 2.100e-01  
 2.300e-01 2.000e-01 -1.000e-02 4.000e-02 -6.000e-02 -2.000e-01  
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 -4.100e-01 4.600e-01 -7.100e-01 -6.400e-01 -5.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.983e+03 1.000e+00 -1.300e-01 -1.200e-01 -1.400e-01 -6.000e-02  
 -1.700e-01 2.000e-02 -2.000e-01 1.000e-02 -2.500e-01 4.100e-01  
 1.000e-02 5.300e-01 -2.900e-01 -1.200e-01 -4.300e-01 -5.500e-01  
 -3.100e-01 -5.900e-01 -7.300e-01 -2.600e-01 -1.260e+00 1.900e-01  
 3.000e-02 2.700e-01 3.400e-01 9.000e-02 -1.110e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.993e+03 5.000e+00 -3.300e-01 -5.400e-01 -2.400e-01 -4.400e-01  
 -5.000e-01 -4.000e-01 -2.200e-01 -6.400e-01 -1.300e-01 -1.900e-01  
 -1.900e-01 -1.900e-01 -5.600e-01 -5.700e-01 -5.500e-01 -2.400e-01  
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 -1.780e+00 -1.600e-01 -1.300e-01 3.000e-02 -5.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.999e+03 7.000e+00 -1.900e-01 -7.000e-02 -2.400e-01 -1.000e-01  
 -2.000e-02 -1.500e-01 -2.800e-01 -1.700e-01 -3.000e-01 -3.200e-01  
 -2.800e-01 -3.400e-01 2.000e-02 6.000e-02 -1.000e-02 -2.600e-01  
 -1.200e-01 -2.800e-01 0.000e+00 -1.100e-01 1.200e-01 -2.300e-01  
 -4.700e-01 -1.100e-01 2.300e-01 2.300e-01 3.300e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.003e+03 4.000e+00 4.000e-02 -2.000e-02 6.000e-02 8.000e-02  
 -1.000e-02 1.300e-01 0.000e+00 -4.000e-02 1.000e-02 7.000e-02  
 6.000e-02 7.000e-02 8.000e-02 -4.000e-02 1.800e-01 -4.000e-02  
 -9.000e-02 -3.000e-02 2.000e-01 5.000e-02 3.800e-01 6.000e-02  
 -1.100e-01 1.300e-01 2.000e-02 2.000e-01 -2.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.011e+03 6.000e+00 -1.000e-02 9.000e-02 -6.000e-02 3.000e-02  
 1.300e-01 -4.000e-02 -6.000e-02 0.000e+00 -7.000e-02 -2.000e-02  
 1.300e-01 -7.000e-02 4.000e-02 1.400e-01 -4.000e-02 -6.000e-02  
 -1.100e-01 -5.000e-02 1.600e-01 1.700e-01 1.500e-01 -9.000e-02  
 -2.300e-01 -2.000e-02 -2.000e-02 -3.000e-02 8.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.986e+03 2.000e+00 -4.600e-01 -4.100e-01 -4.800e-01 -5.500e-01  
 -5.000e-01 -5.800e-01 -3.600e-01 -1.800e-01 -4.000e-01 -5.600e-01  
 -6.300e-01 -5.500e-01 -5.300e-01 -4.700e-01 -5.900e-01 -2.700e-01  
 1.500e-01 -3.400e-01 -4.000e-01 -6.000e-02 -8.000e-01 4.600e-01  
 1.250e+00 9.000e-02 2.000e-01 2.700e-01 -5.300e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.014e+03 6.000e+00 1.200e-01 -1.000e-02 1.700e-01 2.000e-02  
 -1.000e-01 1.000e-01 2.200e-01 2.100e-01 2.200e-01 3.400e-01  
 4.400e-01 3.100e-01 -1.500e-01 -2.300e-01 -8.000e-02 1.500e-01  
 -2.000e-02 1.800e-01 -2.700e-01 -3.500e-01 -1.800e-01 -7.900e-01  
 -6.000e-01 -8.800e-01 -3.000e-01 -4.700e-01 3.900e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.984e+03 1.100e+01 -3.400e-01 -5.100e-01 -2.700e-01 -4.500e-01  
 -5.300e-01 -4.000e-01 -2.300e-01 -4.400e-01 -1.800e-01 -4.000e-01  
 -4.400e-01 -3.900e-01 -4.700e-01 -5.500e-01 -4.000e-01 -1.400e-01  
 -4.700e-01 -8.000e-02 -7.900e-01 -9.600e-01 -5.900e-01 -6.400e-01  
 -1.170e+00 -3.800e-01 -6.400e-01 -7.200e-01 1.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.012e+03 6.000e+00 1.000e-02 1.200e-01 -3.000e-02 1.600e-01  
 3.600e-01 4.000e-02 -1.400e-01 -4.100e-01 -9.000e-02 -2.500e-01  
 -2.600e-01 -2.500e-01 3.700e-01 5.200e-01 2.400e-01 -8.000e-02  
 -5.000e-01 0.000e+00 9.400e-01 1.100e+00 7.600e-01 -6.100e-01  
 -9.500e-01 -4.500e-01 5.100e-01 5.000e-01 2.000e-02], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 6.000e+00 -3.100e-01 -1.900e-01 -3.600e-01 -3.000e-01  
 -1.000e-01 -4.400e-01 -3.200e-01 -4.200e-01 -3.000e-01 -4.500e-01  
 -2.800e-01 -5.000e-01 -2.100e-01 -4.000e-02 -3.600e-01 -2.700e-01  
 -5.400e-01 -2.200e-01 -3.400e-01 -2.100e-01 -4.800e-01 -9.000e-01  
 -1.490e+00 -6.300e-01 -4.800e-01 -5.700e-01 4.500e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.01e+03 9.00e+00 1.90e-01 1.80e-01 2.00e-01 1.50e-01 1.90e-01  
 1.30e-01 2.40e-01 1.70e-01 2.50e-01 -3.00e-02 1.30e-01 -8.00e-02  
 2.80e-01 2.50e-01 3.20e-01 3.50e-01 5.00e-02 4.00e-01 3.00e-01  
 2.00e-02 6.20e-01 3.40e-01 3.00e-01 3.70e-01 5.10e-01 7.80e-01  
 -5.70e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 5.000e+00 4.900e-01 5.200e-01 4.800e-01 4.300e-01  
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 8.600e-01 8.200e-01 2.500e-01 3.100e-01 1.900e-01 3.700e-01  
 6.000e-01 3.300e-01 -5.000e-02 -5.000e-02 -6.000e-02 5.100e-01  
 3.200e-01 6.000e-01 6.000e-01 5.200e-01 1.150e+00], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 1.997e+03 1.000e+00 -2.200e-01 -2.400e-01 -2.100e-01 -3.700e-01  
 -2.900e-01 -4.300e-01 -7.000e-02 -1.300e-01 -6.000e-02 -3.600e-01  
 -3.600e-01 -3.600e-01 -3.600e-01 -2.600e-01 -4.500e-01 7.000e-02  
 1.000e-02 8.000e-02 -6.100e-01 -3.900e-01 -8.600e-01 8.000e-02  
 1.700e-01 3.000e-02 -5.700e-01 -6.200e-01 -4.500e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.984e+03 1.200e+01 5.100e-01 5.300e-01 5.000e-01 5.300e-01  
 5.900e-01 4.900e-01 4.900e-01 4.000e-01 5.100e-01 0.000e+00  
 4.000e-02 -1.000e-02 7.800e-01 7.200e-01 8.400e-01 7.600e-01  
 7.300e-01 7.700e-01 2.430e+00 2.150e+00 2.760e+00 7.500e-01  
 9.300e-01 6.600e-01 -1.630e+00 -1.290e+00 -1.700e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.016e+03 1.000e+00 2.600e-01 9.000e-02 3.300e-01 2.600e-01  
 2.000e-02 4.100e-01 2.700e-01 2.400e-01 2.700e-01 9.100e-01  
 8.700e-01 9.200e-01 -9.000e-02 -2.000e-01 1.000e-02 -7.000e-02  
 -2.500e-01 -4.000e-02 -2.380e+00 -2.060e+00 -2.740e+00 -7.400e-01  
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Test Point: [ 2.018e+03 1.000e+00 6.000e-02 2.100e-01 0.000e+00 1.700e-01  
 2.900e-01 9.000e-02 -5.000e-02 4.000e-02 -7.000e-02 -2.000e-01  
 -1.600e-01 -2.100e-01 3.400e-01 3.900e-01 3.000e-01 4.000e-02  
 2.500e-01 1.000e-02 3.200e-01 3.300e-01 3.000e-01 2.700e-01  
 6.600e-01 8.000e-02 3.100e-01 4.800e-01 2.100e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.009e+03 1.000e+00 -3.000e-02 6.000e-02 -7.000e-02 1.000e-02  
 1.100e-01 -6.000e-02 -8.000e-02 -6.000e-02 -8.000e-02 -2.800e-01  
 -1.200e-01 -3.200e-01 1.800e-01 1.600e-01 2.100e-01 0.000e+00  
 1.000e-02 0.000e+00 2.800e-01 2.400e-01 3.300e-01 -9.000e-02  
 0.000e+00 -1.300e-01 2.100e-01 5.000e-02 1.900e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.0e+03 4.0e+00 -7.0e-02 2.3e-01 -1.9e-01 2.0e-02 4.5e-01 -2.5e-01  
 -1.6e-01 -2.6e-01 -1.4e-01 -3.6e-01 -2.8e-01 -3.8e-01 2.3e-01 6.2e-01  
 -1.2e-01 -6.0e-02 -1.8e-01 -4.0e-02 1.6e-01 5.9e-01 -3.4e-01 -6.7e-01  
 -5.1e-01 -7.4e-01 6.1e-01 4.9e-01 1.0e-02], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.988e+03 7.000e+00 2.000e-02 -1.000e-02 4.000e-02 -4.000e-02  
 -9.000e-02 -1.000e-02 9.000e-02 1.800e-01 7.000e-02 8.000e-02  
 1.300e-01 6.000e-02 -1.000e-01 -1.500e-01 -6.000e-02 9.000e-02  
 2.000e-01 7.000e-02 -1.900e-01 -2.700e-01 -9.000e-02 -1.000e-02  
 2.900e-01 -1.500e-01 -3.500e-01 -4.000e-01 1.800e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.98e+03 8.00e+00 -1.50e-01 -1.30e-01 -1.60e-01 -2.70e-01 -2.70e-01  
 -2.70e-01 -4.00e-02 1.80e-01 -8.00e-02 -3.90e-01 -4.80e-01 -3.60e-01  
 -2.20e-01 -2.40e-01 -2.10e-01 1.70e-01 7.40e-01 6.00e-02 -3.00e-02  
 2.00e-01 -3.00e-01 1.08e+00 1.82e+00 7.40e-01 -1.20e-01 -2.90e-01  
 1.60e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.999e+03 1.000e+00 -1.200e-01 3.000e-02 -1.800e-01 1.000e-02  
 1.600e-01 -9.000e-02 -2.500e-01 -2.700e-01 -2.500e-01 -7.000e-02  
 -3.000e-02 -8.000e-02 5.000e-02 2.100e-01 -1.000e-01 -3.400e-01  
 -4.400e-01 -3.300e-01 1.090e+00 8.500e-01 1.380e+00 -1.090e+00  
 -1.390e+00 -9.500e-01 -3.800e-01 -5.500e-01 5.900e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.009e+03 6.000e+00 -7.000e-02 1.000e-02 -1.000e-01 -5.000e-02  
 1.300e-01 -1.600e-01 -1.000e-01 -2.900e-01 -6.000e-02 -4.600e-01  
 -3.600e-01 -4.900e-01 1.500e-01 2.400e-01 8.000e-02 1.100e-01  
 -1.500e-01 1.500e-01 -2.200e-01 -2.700e-01 -1.500e-01 1.200e-01  
 -4.700e-01 4.000e-01 7.000e-02 7.000e-02 -4.000e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.998e+03 3.000e+00 3.600e-01 9.000e-02 4.700e-01 3.700e-01  
 1.000e-02 5.900e-01 3.600e-01 2.800e-01 3.800e-01 1.020e+00  
 9.400e-01 1.050e+00 1.000e-02 -2.200e-01 2.100e-01 2.000e-02  
 -2.800e-01 7.000e-02 -1.800e-01 -1.600e-01 -2.100e-01 -6.400e-01  
 -9.800e-01 -4.800e-01 -4.800e-01 -1.000e-01 1.900e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.014e+03 8.000e+00 -1.000e-01 -2.600e-01 -4.000e-02 -3.500e-01  
 -2.400e-01 -4.200e-01 1.400e-01 -3.200e-01 2.400e-01 -3.700e-01  
 -3.600e-01 -3.700e-01 -3.100e-01 -2.000e-01 -4.100e-01 3.800e-01  
 -3.200e-01 5.000e-01 -1.300e-01 -1.100e-01 -1.500e-01 1.400e-01  
 -4.600e-01 4.200e-01 -1.200e-01 -1.000e-02 5.400e-01], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 2.008e+03 1.000e+00 -3.200e-01 -4.900e-01 -2.600e-01 -4.700e-01  
 -5.700e-01 -4.100e-01 -1.800e-01 -3.000e-01 -1.500e-01 -3.900e-01  
 -3.100e-01 -4.100e-01 -5.000e-01 -6.300e-01 -3.800e-01 -8.000e-02  
 -3.100e-01 -4.000e-02 -1.110e+00 -9.700e-01 -1.270e+00 -3.100e-01  
 -7.400e-01 -1.100e-01 -5.400e-01 -6.400e-01 1.400e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.002e+03 1.200e+01 1.600e-01 2.800e-01 1.100e-01 1.600e-01  
 1.700e-01 1.600e-01 1.500e-01 5.300e-01 8.000e-02 5.000e-02  
 -2.000e-02 7.000e-02 2.100e-01 2.100e-01 2.000e-01 2.300e-01  
 9.700e-01 9.000e-02 1.000e-01 4.200e-01 -2.700e-01 2.090e+00  
 3.060e+00 1.620e+00 -2.600e-01 6.000e-02 -8.000e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.012e+03 5.000e+00 -1.000e-01 1.200e-01 -1.800e-01 7.000e-02  
 2.700e-01 -6.000e-02 -2.700e-01 -2.300e-01 -2.700e-01 -3.100e-01  
 -3.200e-01 -3.100e-01 2.700e-01 4.300e-01 1.300e-01 -2.400e-01  
 -1.600e-01 -2.500e-01 4.300e-01 5.800e-01 2.600e-01 -1.800e-01  
 -3.000e-02 -2.500e-01 6.900e-01 4.200e-01 -5.900e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.013e+03 7.000e+00 1.000e-01 2.100e-01 5.000e-02 2.300e-01  
 3.500e-01 1.500e-01 -4.000e-02 -1.000e-01 -3.000e-02 3.000e-02  
 3.000e-02 3.000e-02 3.400e-01 4.400e-01 2.500e-01 -8.000e-02  
 -2.000e-01 -6.000e-02 7.900e-01 7.500e-01 8.300e-01 -6.000e-01  
 -6.500e-01 -5.700e-01 2.000e-01 2.700e-01 7.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.002e+03 1.200e+01 1.700e-01 7.900e-01 -8.000e-02 4.800e-01  
 1.040e+00 1.200e-01 -1.400e-01 2.500e-01 -2.200e-01 -5.200e-01  
 -4.100e-01 -5.600e-01 9.900e-01 1.400e+00 6.200e-01 8.000e-02  
 7.900e-01 -5.000e-02 -1.100e-01 1.170e+00 -1.580e+00 7.500e-01  
 1.600e+00 3.400e-01 5.800e-01 9.700e-01 6.300e-01], True Label: Lower Stratosphere, Predicted Label: Lower  
Test Point: [ 2.001e+03 6.000e+00 -1.000e-01 -6.000e-02 -1.100e-01 -9.000e-02  
 0.000e+00 -1.500e-01 -1.100e-01 -2.000e-01 -9.000e-02 -2.700e-01  
 -4.800e-01 -2.100e-01 0.000e+00 1.000e-01 -9.000e-02 -1.000e-02  
 8.000e-02 -3.000e-02 2.000e-02 1.900e-01 -1.600e-01 -5.000e-02  
 2.100e-01 -1.700e-01 -9.000e-02 0.000e+00 1.200e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.015e+03 4.000e+00 -3.000e-02 -8.000e-02 -1.000e-02 3.000e-02  
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 -1.200e-01 1.000e-02 7.000e-02 7.000e-02 7.000e-02 -1.300e-01  
 -4.800e-01 -7.000e-02 1.100e-01 -1.000e-01 3.500e-01 -5.500e-01  
 -8.200e-01 -4.200e-01 2.200e-01 7.000e-02 -6.400e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.011e+03 5.000e+00 -1.600e-01 -4.000e-02 -2.100e-01 -1.200e-01  
 -2.000e-02 -1.800e-01 -2.000e-01 -8.000e-02 -2.300e-01 -2.600e-01  
 -1.500e-01 -2.800e-01 -3.000e-02 2.000e-02 -8.000e-02 -1.900e-01  
 -5.000e-02 -2.100e-01 7.200e-01 5.000e-01 9.800e-01 0.000e+00  
 0.000e+00 0.000e+00 1.700e-01 2.800e-01 -3.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.004e+03 4.000e+00 5.000e-02 9.000e-02 3.000e-02 -9.000e-02  
 1.000e-02 -1.500e-01 1.800e-01 2.900e-01 1.600e-01 2.800e-01  
 2.700e-01 2.800e-01 -3.100e-01 -7.000e-02 -5.300e-01 1.600e-01  
 3.400e-01 1.300e-01 -2.720e+00 -1.580e+00 -4.010e+00 1.250e+00  
 1.330e+00 1.210e+00 3.000e-01 9.000e-02 -8.000e-02], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.982e+03 1.000e+01 1.200e-01 -6.000e-02 1.900e-01 -1.300e-01  
 -1.300e-01 -1.300e-01 3.600e-01 8.000e-02 4.200e-01 -7.000e-02  
 -9.000e-02 -6.000e-02 -1.400e-01 -1.200e-01 -1.500e-01 5.700e-01  
 1.600e-01 6.400e-01 -6.000e-02 2.000e-02 -1.500e-01 8.600e-01  
 1.400e-01 1.210e+00 -8.000e-02 -1.000e-01 -7.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 2.0e+03 5.0e+00 -9.0e-02 -1.1e-01 -9.0e-02 -1.0e-01 -2.0e-02 -1.5e-01  
 -8.0e-02 -3.0e-01 -4.0e-02 -2.4e-01 -1.6e-01 -2.6e-01 -4.0e-02 1.0e-02  
 -8.0e-02 0.0e+00 -4.0e-01 7.0e-02 -5.3e-01 -6.4e-01 -4.1e-01 -3.1e-01  
 -6.7e-01 -1.4e-01 8.3e-01 3.9e-01 7.0e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.981e+03 1.000e+00 -2.300e-01 2.000e-02 -3.200e-01 -2.100e-01  
 2.100e-01 -4.800e-01 -2.500e-01 -4.200e-01 -2.100e-01 -4.700e-01  
 -5.700e-01 -4.400e-01 -7.000e-02 4.400e-01 -5.300e-01 -1.300e-01  
 -3.700e-01 -9.000e-02 1.420e+00 2.320e+00 3.900e-01 -4.600e-01  
 -7.300e-01 -3.300e-01 1.400e-01 7.400e-01 1.000e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.985e+03 6.000e+00 -4.800e-01 -5.500e-01 -4.500e-01 -5.800e-01  
 -6.000e-01 -5.600e-01 -3.800e-01 -4.200e-01 -3.700e-01 -6.400e-01  
 -8.700e-01 -5.800e-01 -5.900e-01 -6.000e-01 -5.800e-01 -2.000e-01  
 1.100e-01 -2.500e-01 -7.400e-01 -9.400e-01 -5.100e-01 4.000e-01  
 5.600e-01 3.200e-01 -3.800e-01 -6.200e-01 -7.900e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.003e+03 4.000e+00 6.000e-02 4.000e-02 6.000e-02 1.000e-01  
 8.000e-02 1.000e-01 2.000e-02 -6.000e-02 4.000e-02 -2.000e-02  
 -4.000e-02 -1.000e-02 1.500e-01 1.200e-01 1.900e-01 4.000e-02  
 -7.000e-02 6.000e-02 5.200e-01 5.000e-01 5.400e-01 3.000e-02  
 -1.200e-01 1.000e-01 -1.000e-01 1.500e-01 -1.300e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 2.009e+03 4.000e+00 -1.000e-01 -1.800e-01 -7.000e-02 -1.700e-01  
 -1.800e-01 -1.600e-01 -3.000e-02 -1.900e-01 1.000e-02 0.000e+00  
 -2.000e-02 0.000e+00 -2.500e-01 -2.200e-01 -2.800e-01 -4.000e-02  
 -3.000e-01 0.000e+00 -1.280e+00 -1.260e+00 -1.310e+00 -5.500e-01  
 -6.000e-01 -5.200e-01 -3.000e-02 -3.600e-01 -9.000e-02], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.989e+03 5.000e+00 -3.600e-01 -4.700e-01 -3.200e-01 -4.600e-01  
 -4.200e-01 -4.900e-01 -2.600e-01 -5.800e-01 -2.000e-01 -5.900e-01  
 -6.300e-01 -5.800e-01 -3.900e-01 -3.700e-01 -4.100e-01 -9.000e-02  
 -5.400e-01 -1.000e-02 -5.900e-01 -5.000e-01 -6.800e-01 -6.200e-01  
 -1.600e+00 -1.500e-01 -2.800e-01 -3.000e-01 4.800e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.019e+03 6.000e+00 3.400e-01 1.900e-01 4.000e-01 2.700e-01  
 1.700e-01 3.300e-01 4.100e-01 2.200e-01 4.500e-01 4.900e-01  
 4.900e-01 4.900e-01 1.600e-01 1.200e-01 1.900e-01 3.600e-01  
 -7.000e-02 4.400e-01 6.500e-01 6.000e-01 7.000e-01 -2.000e-01  
 -1.450e+00 3.800e-01 -7.600e-01 -4.900e-01 1.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.992e+03 7.000e+00 -5.000e-01 -7.700e-01 -3.900e-01 -7.400e-01  
 -9.500e-01 -6.200e-01 -2.600e-01 -3.800e-01 -2.300e-01 -5.300e-01  
 -6.600e-01 -4.900e-01 -8.700e-01 -1.050e+00 -7.100e-01 -1.100e-01  
 -9.000e-02 -1.100e-01 -1.160e+00 -1.180e+00 -1.130e+00 5.800e-01  
 5.000e-01 6.200e-01 -1.340e+00 -1.160e+00 -2.200e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.995e+03 1.100e+01 -5.000e-02 9.000e-02 -1.100e-01 1.300e-01  
 1.900e-01 9.000e-02 -2.300e-01 -1.400e-01 -2.500e-01 -1.300e-01  
 -3.000e-02 -1.500e-01 2.300e-01 2.500e-01 2.100e-01 -2.500e-01  
 -2.300e-01 -2.500e-01 8.100e-01 8.300e-01 7.800e-01 -6.300e-01  
 -7.300e-01 -5.900e-01 -4.200e-01 -3.700e-01 0.000e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.012e+03 1.200e+01 4.000e-02 -1.200e-01 1.000e-01 -2.700e-01  
 -4.500e-01 -1.500e-01 3.500e-01 6.400e-01 2.800e-01 3.000e-02  
 1.000e-02 4.000e-02 -4.200e-01 -5.900e-01 -2.700e-01 5.100e-01  
 1.180e+00 3.900e-01 -1.000e-01 -2.500e-01 8.000e-02 2.000e+00  
 2.800e+00 1.620e+00 -2.400e-01 -2.700e-01 -1.400e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.005e+03 4.000e+00 2.000e-01 2.700e-01 1.700e-01 2.900e-01  
 3.300e-01 2.600e-01 1.000e-01 1.200e-01 1.000e-01 2.700e-01  
 3.000e-01 2.700e-01 2.900e-01 3.600e-01 2.300e-01 2.000e-02  
 -5.000e-02 4.000e-02 8.100e-01 8.800e-01 7.300e-01 -1.600e-01  
 -5.800e-01 4.000e-02 3.000e-02 1.100e-01 9.100e-01], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.01e+03 1.10e+01 1.00e-02 1.50e-01 -4.00e-02 9.00e-02 5.00e-01  
 -1.70e-01 -6.00e-02 -6.50e-01 6.00e-02 -3.40e-01 -1.90e-01 -3.90e-01  
 3.20e-01 6.70e-01 0.00e+00 8.00e-02 -9.50e-01 2.70e-01 2.50e-01  
 7.00e-01 -2.70e-01 -7.30e-01 -1.28e+00 -4.70e-01 -1.50e-01 8.00e-02  
 -9.60e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.004e+03 5.000e+00 -5.000e-02 -1.300e-01 -1.000e-02 6.000e-02  
 -2.000e-02 1.200e-01 -1.600e-01 -3.800e-01 -1.100e-01 -6.000e-02  
 -6.000e-02 -5.000e-02 1.200e-01 -4.000e-02 2.500e-01 -2.000e-01  
 -5.500e-01 -1.400e-01 1.500e-01 9.000e-02 2.100e-01 -5.400e-01  
 -5.400e-01 -5.400e-01 3.500e-01 7.000e-01 -2.600e-01], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.002e+03 6.000e+00 7.000e-02 -4.000e-02 1.200e-01 -8.000e-02  
 -1.600e-01 -3.000e-02 2.300e-01 2.100e-01 2.300e-01 -6.000e-02  
 -9.000e-02 -5.000e-02 -1.000e-01 -1.800e-01 -3.000e-02 3.900e-01  
 4.500e-01 3.800e-01 -2.100e-01 -3.100e-01 -1.000e-01 8.900e-01  
 1.300e+00 7.000e-01 -2.000e-01 -1.800e-01 -1.100e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.979e+03 5.000e+00 -2.600e-01 -4.000e-01 -2.000e-01 -3.200e-01  
 -3.800e-01 -2.800e-01 -1.900e-01 -4.300e-01 -1.400e-01 -2.100e-01  
 -2.900e-01 -1.900e-01 -3.600e-01 -4.000e-01 -3.300e-01 -1.900e-01  
 -5.700e-01 -1.300e-01 -5.800e-01 -4.500e-01 -7.300e-01 -2.800e-01  
 -6.100e-01 -1.200e-01 -5.100e-01 -4.900e-01 -5.900e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.021e+03 2.000e+00 -2.600e-01 -1.200e-01 -3.100e-01 -3.700e-01  
 -2.100e-01 -4.700e-01 -1.500e-01 9.000e-02 -2.000e-01 2.200e-01  
 1.000e-01 2.500e-01 -6.100e-01 -2.900e-01 -9.000e-01 -4.100e-01  
 7.000e-02 -5.000e-01 3.000e-01 9.400e-01 -4.300e-01 1.200e-01  
 4.500e-01 -4.000e-02 -1.420e+00 -1.510e+00 -1.100e-01], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 1.994e+03 1.200e+01 -4.000e-02 -8.000e-02 -3.000e-02 2.000e-02  
 -7.000e-02 8.000e-02 -1.000e-01 -8.000e-02 -1.100e-01 1.300e-01  
 -3.000e-02 1.800e-01 -5.000e-02 -6.000e-02 -4.000e-02 -2.100e-01  
 -1.800e-01 -2.100e-01 -5.600e-01 -3.900e-01 -7.500e-01 -3.500e-01  
 -9.800e-01 -6.000e-02 1.300e+00 9.900e-01 3.000e-02], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.006e+03 6.000e+00 2.000e-02 1.500e-01 -3.000e-02 3.500e-01  
 2.200e-01 4.400e-01 -3.100e-01 -1.000e-02 -3.700e-01 5.300e-01  
 6.300e-01 5.000e-01 2.100e-01 9.000e-02 3.200e-01 -7.000e-01  
 -4.200e-01 -7.500e-01 1.600e-01 -5.000e-02 4.100e-01 3.000e-02  
 -3.500e-01 2.100e-01 2.400e-01 2.300e-01 -6.000e-02], True Label: Lower Stratosphere, Predicted Label: Mid  
Test Point: [ 2.014e+03 1.200e+01 8.000e-02 9.000e-02 8.000e-02 6.000e-02  
 1.600e-01 -1.000e-02 1.100e-01 -5.000e-02 1.400e-01 6.000e-02  
 4.000e-02 7.000e-02 5.000e-02 1.700e-01 -6.000e-02 1.400e-01  
 -8.000e-02 1.700e-01 -4.000e-01 -1.600e-01 -6.700e-01 2.900e-01  
 -3.600e-01 6.000e-01 -6.000e-02 -6.000e-02 1.700e-01], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.997e+03 2.000e+00 -2.500e-01 -3.900e-01 -1.900e-01 -3.700e-01  
 -5.000e-01 -2.800e-01 -1.200e-01 -1.400e-01 -1.200e-01 -4.400e-01  
 -5.200e-01 -4.100e-01 -3.400e-01 -4.800e-01 -2.200e-01 5.000e-02  
 7.000e-02 5.000e-02 -1.010e+00 -7.300e-01 -1.330e+00 -3.500e-01  
 -5.900e-01 -2.300e-01 -1.200e-01 4.000e-02 1.290e+00], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.979e+03 1.000e+00 1.140e+00 1.190e+00 1.120e+00 9.900e-01  
 1.320e+00 7.900e-01 1.290e+00 8.900e-01 1.370e+00 7.400e-01  
 8.400e-01 7.100e-01 1.110e+00 1.410e+00 8.400e-01 1.590e+00  
 1.030e+00 1.690e+00 -1.950e+00 -1.450e+00 -2.520e+00 1.140e+00  
 1.000e+00 1.210e+00 2.340e+00 1.770e+00 3.900e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.019e+03 1.000e+01 -1.300e-01 5.000e-02 -2.000e-01 -6.800e-01  
 -6.000e-01 -7.200e-01 4.200e-01 1.530e+00 1.900e-01 -9.300e-01  
 -9.800e-01 -9.200e-01 -5.900e-01 -5.200e-01 -6.500e-01 1.180e+00  
 3.480e+00 7.700e-01 -7.700e-01 -6.400e-01 -9.300e-01 7.800e+00  
 1.011e+01 6.700e+00 -1.000e-01 -2.100e-01 -1.210e+00], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 2.008e+03 3.000e+00 -2.700e-01 2.200e-01 -4.600e-01 -6.000e-02  
 4.800e-01 -4.000e-01 -4.700e-01 -3.800e-01 -4.900e-01 -6.800e-01  
 -4.600e-01 -7.500e-01 2.400e-01 6.700e-01 -1.400e-01 -3.400e-01  
 -1.400e-01 -3.700e-01 -2.600e-01 2.500e-01 -8.400e-01 -1.100e-01  
 3.800e-01 -3.400e-01 -9.800e-01 -1.010e+00 -6.400e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 2.021e+03 2.000e+00 8.000e-02 3.200e-01 -1.000e-02 7.000e-02  
 3.800e-01 -1.300e-01 1.000e-01 1.600e-01 9.000e-02 2.000e-02  
 6.000e-02 1.000e-02 8.000e-02 4.700e-01 -2.600e-01 1.500e-01  
 2.400e-01 1.400e-01 5.100e-01 9.800e-01 -3.000e-02 2.900e-01  
 1.800e-01 3.400e-01 -3.100e-01 -3.900e-01 3.600e-01], True Label: Tropopause, Predicted Label: Lower  
Test Point: [ 2.018e+03 1.200e+01 1.300e-01 2.000e-01 1.000e-01 2.200e-01  
 1.700e-01 2.500e-01 4.000e-02 2.800e-01 -1.000e-02 1.700e-01  
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 3.900e-01 -6.700e-01 -2.000e-02 -6.000e-02 1.100e+00], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 1.983e+03 1.100e+01 -2.200e-01 -1.600e-01 -2.400e-01 -7.000e-02  
 1.700e-01 -2.300e-01 -3.600e-01 -9.000e-01 -2.500e-01 -3.200e-01  
 -4.100e-01 -2.900e-01 3.000e-02 3.200e-01 -2.300e-01 -3.500e-01  
 -1.250e+00 -1.900e-01 -2.100e-01 3.600e-01 -8.500e-01 -1.470e+00  
 -2.620e+00 -9.200e-01 -2.700e-01 -1.200e-01 -1.600e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.99e+03 5.00e+00 4.30e-01 2.30e-01 5.00e-01 4.10e-01 1.80e-01  
 5.60e-01 4.50e-01 3.50e-01 4.60e-01 9.20e-01 8.90e-01 9.30e-01  
 1.00e-01 -3.00e-02 2.20e-01 2.30e-01 2.00e-02 2.70e-01 -8.80e-01  
 -7.20e-01 -1.07e+00 -6.60e-01 -2.00e-02 -9.60e-01 9.10e-01 6.60e-01  
 -1.40e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.985e+03 1.000e+01 4.600e-01 5.200e-01 4.400e-01 8.900e-01  
 7.400e-01 9.900e-01 3.000e-02 3.000e-02 3.000e-02 1.260e+00  
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Test Point: [ 1.985e+03 1.000e+00 -4.400e-01 -4.000e-01 -4.500e-01 -5.100e-01  
 -5.200e-01 -5.000e-01 -3.700e-01 -1.400e-01 -4.200e-01 -4.100e-01  
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 -7.000e-02 -4.000e-01 6.000e-01 5.700e-01 6.300e-01 2.200e-01  
 5.400e-01 7.000e-02 -1.610e+00 -8.300e-01 -5.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.992e+03 6.000e+00 -3.400e-01 -5.500e-01 -2.600e-01 -5.600e-01  
 -8.000e-01 -4.000e-01 -1.300e-01 1.000e-02 -1.500e-01 -1.200e-01  
 -1.700e-01 -1.000e-01 -8.100e-01 -9.900e-01 -6.500e-01 -1.100e-01  
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 9.900e-01 7.200e-01 -6.800e-01 -6.000e-01 -4.100e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.991e+03 2.000e+00 -3.000e-02 2.000e-02 -4.000e-02 -5.000e-02  
 -1.400e-01 0.000e+00 0.000e+00 3.700e-01 -8.000e-02 7.000e-02  
 2.000e-02 8.000e-02 -1.100e-01 -1.600e-01 -6.000e-02 -4.000e-02  
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 6.700e-01 4.000e-02 8.200e-01 6.700e-01 1.000e+00], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.02e+03 1.10e+01 6.00e-02 -1.30e-01 1.30e-01 2.90e-01 2.70e-01  
 3.00e-01 -1.70e-01 -1.04e+00 1.00e-02 4.80e-01 5.10e-01 4.80e-01  
 1.80e-01 2.00e-01 1.70e-01 -5.20e-01 -2.18e+00 -2.30e-01 -4.60e-01  
 -5.60e-01 -3.40e-01 -4.48e+00 -6.25e+00 -3.64e+00 4.50e-01 0.00e+00  
 6.20e-01], True Label: Tropopause, Predicted Label: Lower Stratosphere  
Test Point: [ 2.013e+03 4.000e+00 -2.000e-02 -1.300e-01 3.000e-02 -8.000e-02  
 -1.500e-01 -4.000e-02 5.000e-02 -8.000e-02 8.000e-02 6.000e-02  
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 -2.100e-01 9.000e-02 -1.180e+00 -9.600e-01 -1.430e+00 -1.000e-01  
 -7.100e-01 2.000e-01 -3.500e-01 -5.700e-01 -4.000e-02], True Label: Mid, Predicted Label: Lower  
Test Point: [ 2.009e+03 2.000e+00 -5.000e-02 2.300e-01 -1.600e-01 1.800e-01  
 3.900e-01 5.000e-02 -2.800e-01 -1.300e-01 -3.100e-01 -3.200e-01  
 -1.900e-01 -3.600e-01 4.500e-01 5.200e-01 3.800e-01 -2.500e-01  
 0.000e+00 -3.000e-01 1.940e+00 1.390e+00 2.570e+00 -3.900e-01  
 1.800e-01 -6.600e-01 -3.400e-01 -3.700e-01 -6.000e-02], True Label: Mid, Predicted Label: Tropopause  
Test Point: [ 2.018e+03 1.200e+01 1.100e-01 1.800e-01 8.000e-02 1.900e-01  
 1.500e-01 2.200e-01 3.000e-02 2.500e-01 -2.000e-02 1.400e-01  
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 1.300e-01 1.400e-01 -7.000e-02 -1.900e-01 -5.000e-02 -3.000e-02  
 -4.000e-02 -3.000e-02 2.100e-01 1.600e-01 2.600e-01 -8.000e-02  
 -2.500e-01 -5.000e-02 3.000e-01 2.600e-01 3.500e-01 0.000e+00  
 -1.000e-02 0.000e+00 2.500e-01 4.800e-01 -1.600e-01], True Label: Mid, Predicted Label: Lower  
Test Point: [ 1.985e+03 1.100e+01 -2.900e-01 -2.900e-01 -2.900e-01 -2.000e-01  
 -1.500e-01 -2.400e-01 -3.900e-01 -6.300e-01 -3.300e-01 -3.700e-01  
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 -7.600e-01 -3.300e-01 4.500e-01 5.500e-01 3.300e-01 -5.200e-01  
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Test Point: [ 2.016e+03 7.000e+00 9.000e-02 7.000e-02 1.000e-01 1.300e-01  
 1.600e-01 1.100e-01 5.000e-02 -1.200e-01 9.000e-02 0.000e+00  
 2.000e-02 -1.000e-02 1.900e-01 1.900e-01 1.900e-01 9.000e-02  
 -2.200e-01 1.400e-01 1.500e-01 8.000e-02 2.300e-01 1.000e-02  
 -5.200e-01 2.600e-01 2.200e-01 2.100e-01 0.000e+00], True Label: Tropopause, Predicted Label: Mid  
Test Point: [ 1.996e+03 3.000e+00 -1.400e-01 -7.000e-02 -1.600e-01 -8.000e-02  
 -1.000e-02 -1.200e-01 -2.000e-01 -2.000e-01 -1.900e-01 -2.200e-01  
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Test Point: [ 2.014e+03 6.000e+00 0.000e+00 5.000e-02 -2.000e-02 2.000e-02  
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 0.000e+00 2.000e-02 3.200e-01 4.000e-01 2.300e-01 -5.100e-01  
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Test Point: [ 2.003e+03 6.000e+00 -1.400e-01 -2.500e-01 -9.000e-02 -8.000e-02  
 -2.600e-01 3.000e-02 -1.900e-01 -2.300e-01 -1.900e-01 -1.800e-01  
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 -9.500e-01 -5.200e-01 -5.600e-01 -4.700e-01 -9.000e-02], True Label: Lower, Predicted Label: Tropopause  
Test Point: [ 2.015e+03 3.000e+00 -3.000e-02 -3.700e-01 1.000e-01 -2.200e-01  
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 2.600e-01 9.000e-02 -4.200e-01 -8.400e-01 -5.000e-02 2.000e-01  
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 3.000e-02 5.000e-02 -1.400e-01 -1.300e-01 1.700e-01], True Label: Lower Stratosphere, Predicted Label: Tropopause  
Test Point: [ 1.996e+03 1.000e+00 -2.900e-01 -5.700e-01 -1.900e-01 -3.200e-01  
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 -6.700e-01 -3.100e-01 -7.900e-01 -8.700e-01 -4.800e-01], True Label: Lower, Predicted Label: Mid  
Test Point: [ 1.998e+03 9.000e+00 2.300e-01 4.200e-01 1.600e-01 5.200e-01  
 5.800e-01 4.900e-01 -6.000e-02 4.000e-02 -8.000e-02 3.900e-01  
 4.200e-01 3.800e-01 5.900e-01 6.200e-01 5.700e-01 -2.900e-01  
 -2.300e-01 -3.000e-01 4.900e-01 6.000e-01 3.600e-01 -1.310e+00  
 -1.100e+00 -1.410e+00 1.040e+00 1.000e+00 5.300e-01], True Label: Tropopause, Predicted Label: Mid

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