The attached data contains 15-min time-series information at a single point in space. There are 13 input variables (Features 1-13). The column “X” contains a variable we would like to predict.

**Task**: After appropriately partitioning this data for training/validation and testing, prepare a short script using TensorFlow to train a ML/NN model of your choosing to make predictions of X forward in time, with 15-min time resolution.

Describe in the comments of your code, the following:

* The reasons behind your selection of the machine learning algorithm/approach.
* The reasons for your hyperparameter selection.

Inspect your predictions on your test partition. Based on what you see, what would you change about your code to improve predictions – briefly explain each of your prospective changes.

**Further questions if time allows:**

1. If you were instead given similar time-series data for 100 points regularly-spaced on a 10x10 grid:
   1. What machine-learning-based approach would you take if tasked with forecasting the evolution of the gridded data in time?
   2. Explain why your selected method is appropriate for the task.
   3. Include TensorFlow pseudo-code supporting your thoughts/approach, describing any key decisions in its design.