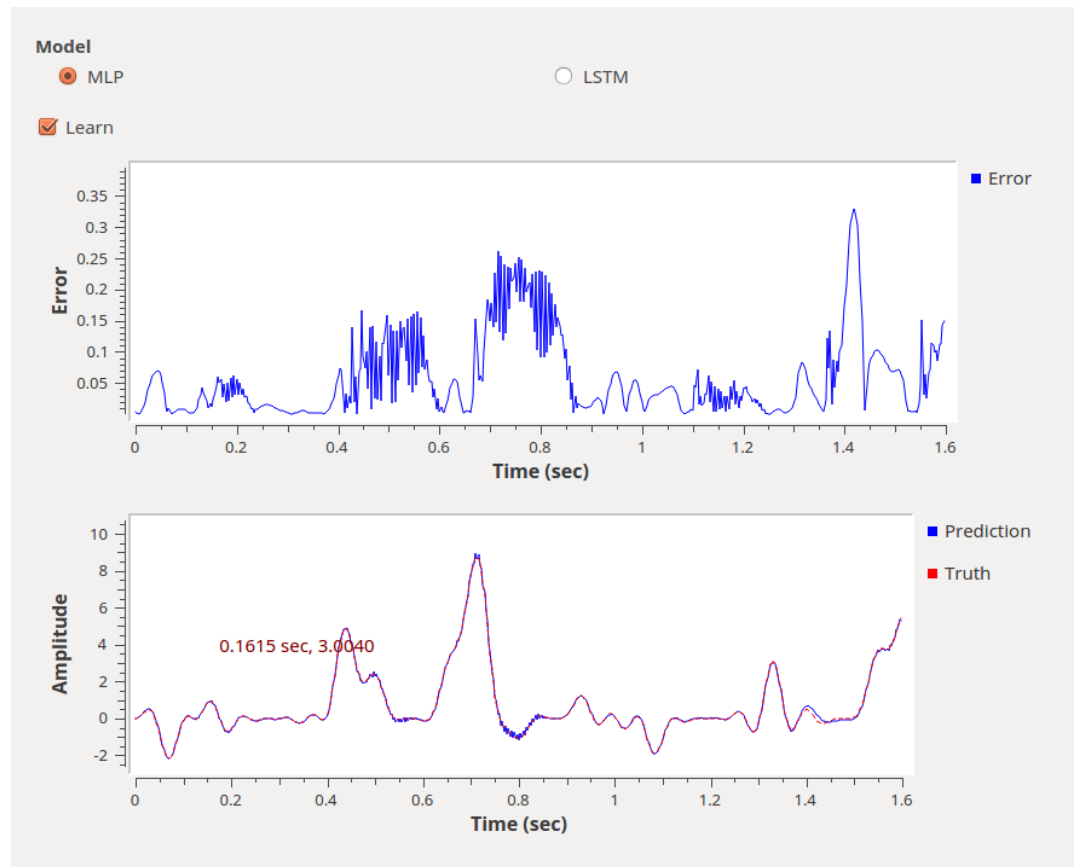


GNURadio Demos

Next Step Learning & Prediction
Online Modulation Classification

Next Step Learning & Prediction

- Custom GNURadio Neural Network Block (nn_py_ff)
- Interface:
 - Input: float
 - Output: float
- Parameters:
 - Learn: Boolean
 - Model: File Location
 - Weights(Optional): File Location
- The block maintains a sliding window and updates with each new timestep.



Online Modulation Classification

- Custom GNURadio Module
Prediction Block (nn_mod_py_cf)
- Interface:
 - Input: complex (iq)
 - Output: float (class)
- Parameters:
 - Model: File Location
 - Weights: File Location
- The block maintains a sliding window and performs a prediction every time step.
- The output is a label from 0, ..., 10 of the type of module the NN predicts

