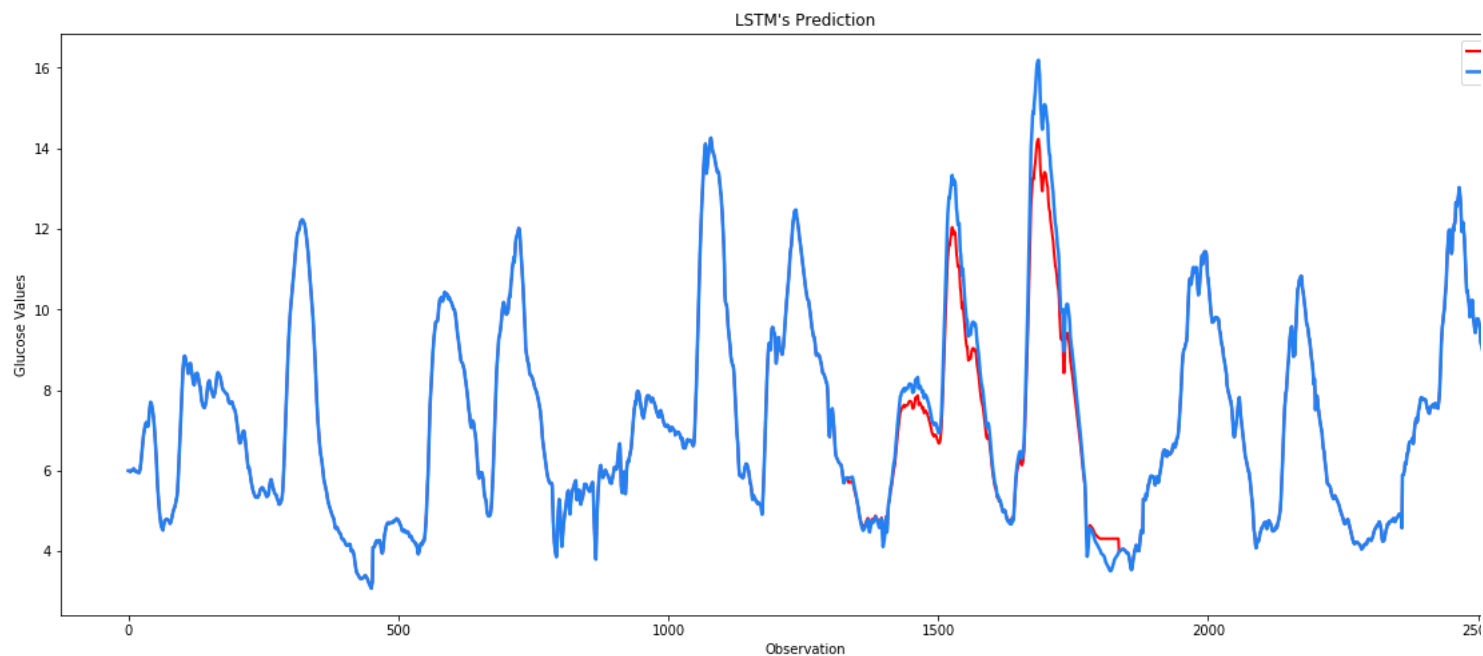```
Python 3.7.0 (default, Jun 28 2018, 07:39:16)
Type "copyright", "credits" or "license" for more information.

IPython 7.8.0 -- An enhanced Interactive Python.

In [1]: runfile('/Users/snehgajiwala/Desktop/NCSA_genomics/Python - notebooks/packageTester.py',
wdir='/Users/snehgajiwala/Desktop/NCSA_genomics/Python - notebooks')
Using TensorFlow backend.
We are connected!
Train shape: (105425, 1, 1)
2020-03-21 20:54:47.976931: I tensorflow/core/platform/cpu_feature_guard.cc:142] Your CPU supports instructions
that this TensorFlow binary was not compiled to use: AVX2 FMA
2020-03-21 20:54:48.009522: I tensorflow/compiler/xla/service/service.cc:168] XLA service 0x7fb23c1c5160
initialized for platform Host (this does not guarantee that XLA will be used). Devices:
2020-03-21 20:54:48.009541: I tensorflow/compiler/xla/service/service.cc:176]   StreamExecutor device (0): Host,
Default Version
Epoch 1/1
105425/105425 [==============================] - 204s 2ms/step - loss: 3.9056e-04
501/501 [==============================] - 0s 876us/step
LSTM: 0.002953
```
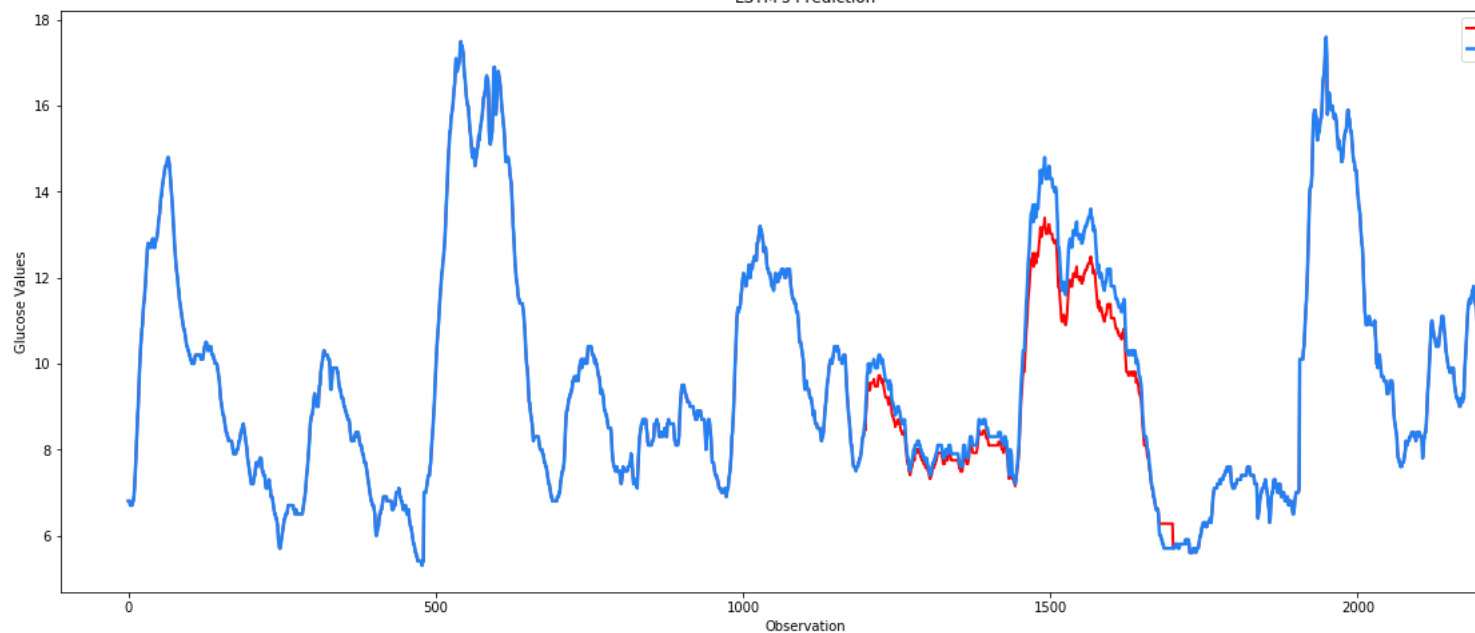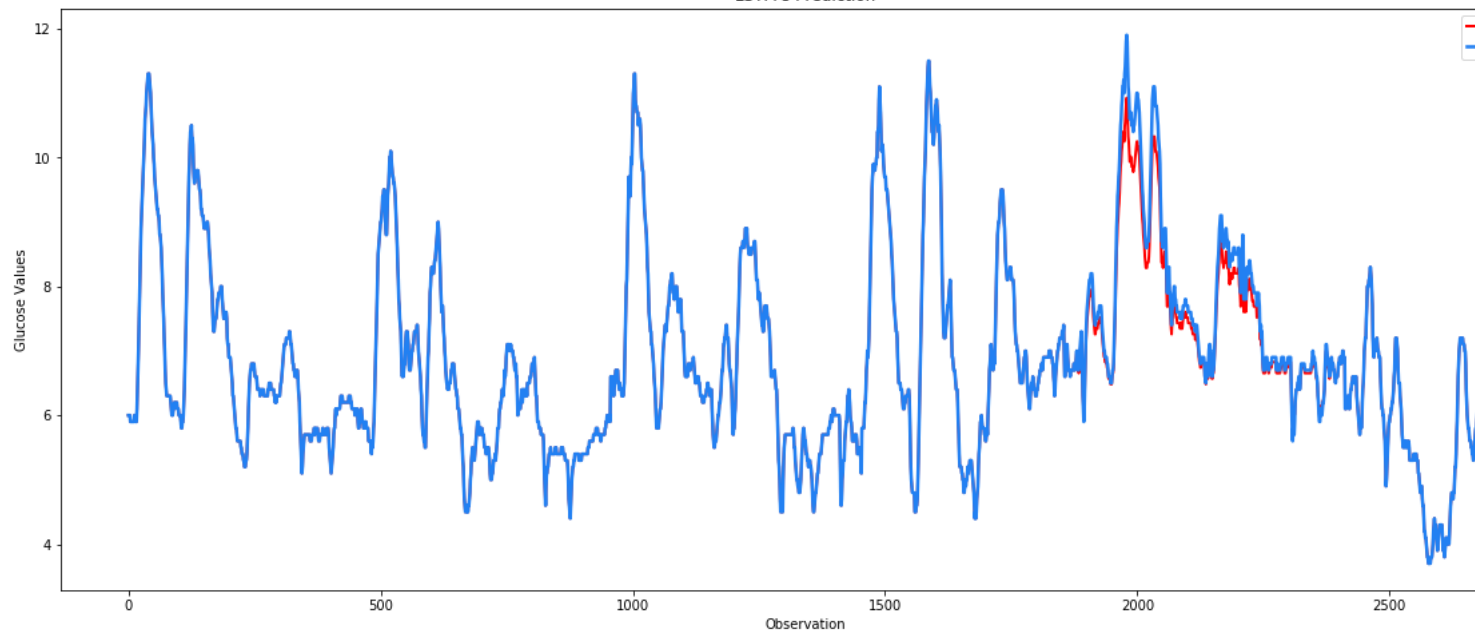


```
Index of Agreement is: 0.987
Mean Absolute Error is: 0.49499963546417897
Root Mean Squared Error is: 0.689
Mean Absolute Difference is: [3.024296]
Fractional Bias is: 0.058
Mean Absolute Percentage Error is: 6.0
501/501 [==============================] - 0s 708us/step
LSTM: 0.004587
```
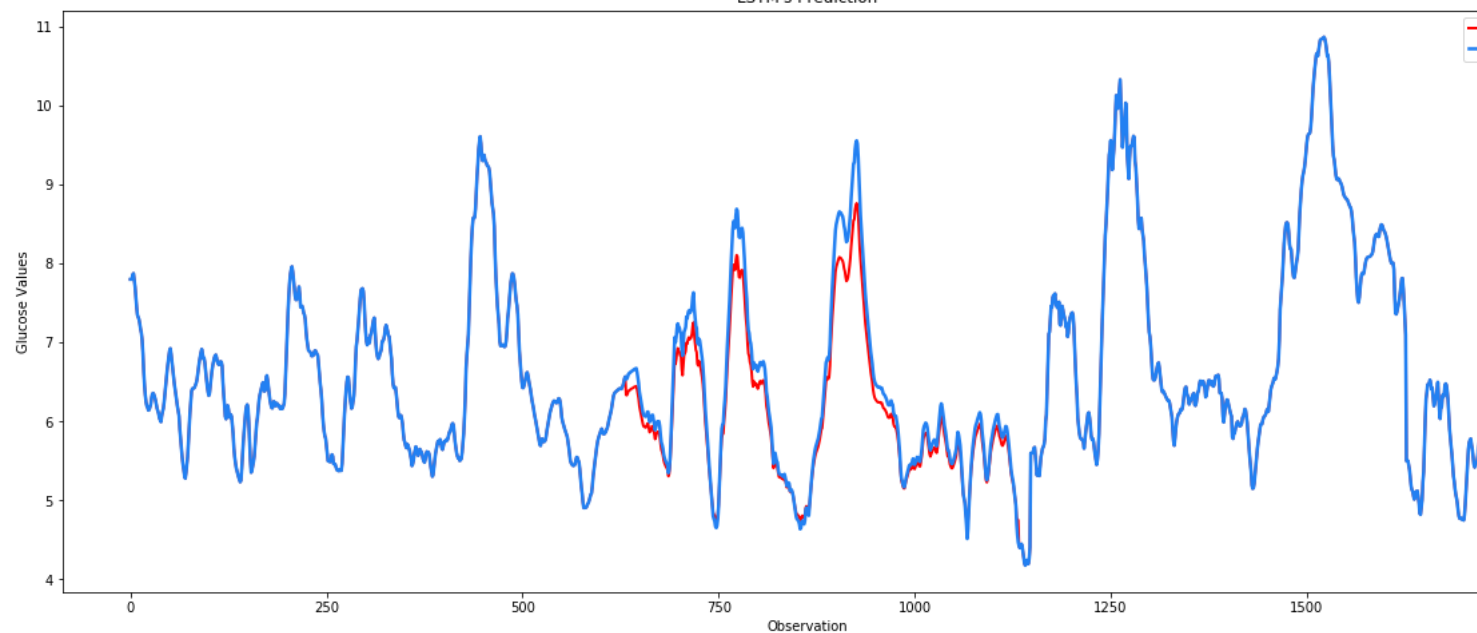
LSTM's Prediction

Index of Agreement is: 0.98
Mean Absolute Error is: 0.4837633728743075
Root Mean Squared Error is: 0.616
Mean Absolute Difference is: [1.6478403]
Fractional Bias is: 0.046
Mean Absolute Percentage Error is: 4.0
501/501 [==============================] – 0s 668us/step
LSTM: 0.002879



LSTM's Prediction

Index of Agreement is: 0.982
Mean Absolute Error is: 0.248552202845286
Root Mean Squared Error is: 0.338
Mean Absolute Difference is: [1.0233595]
Fractional Bias is: 0.029
Mean Absolute Percentage Error is: 3.0
501/501 [==============================] – 0s 661us/step
LSTM: 0.002684

LSTM's Prediction



```
Index of Agreement is: 0.983
Mean Absolute Error is: 0.19860969629497105
Root Mean Squared Error is: 0.266
Mean Absolute Difference is: [0.78593385]
Fractional Bias is: 0.029
Mean Absolute Percentage Error is: 3.0
End
```

In [2]: