

# Regressions

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# Simple Model: Only use MOS

To start we used just the MOS data (e.g., Tmax to predict Tmax, Tmin to predict Tmin etc).

As requested, used 2010 - 2018 to train, 2019 to evaluate.

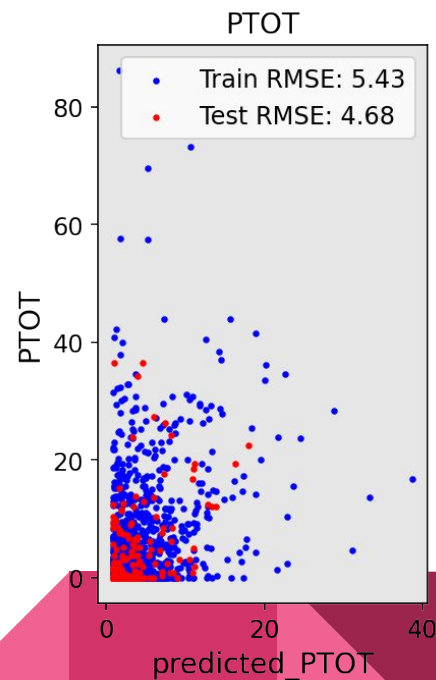
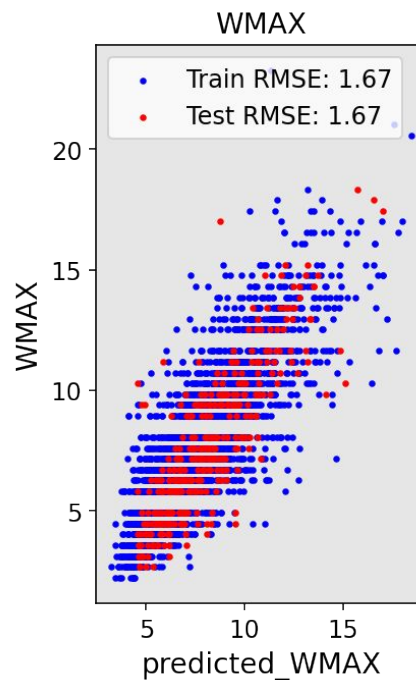
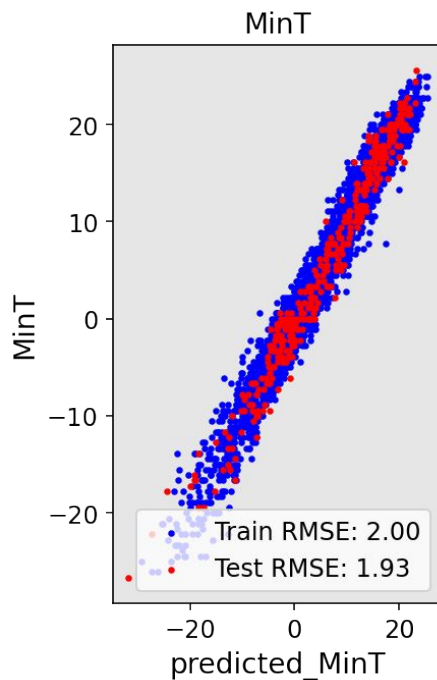
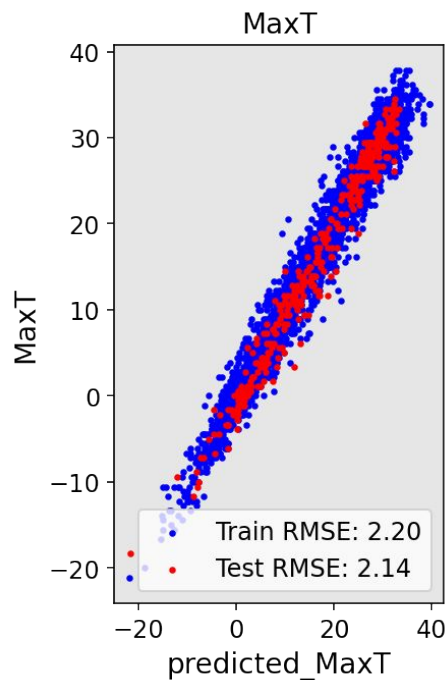
Models were not optimized (used default values)

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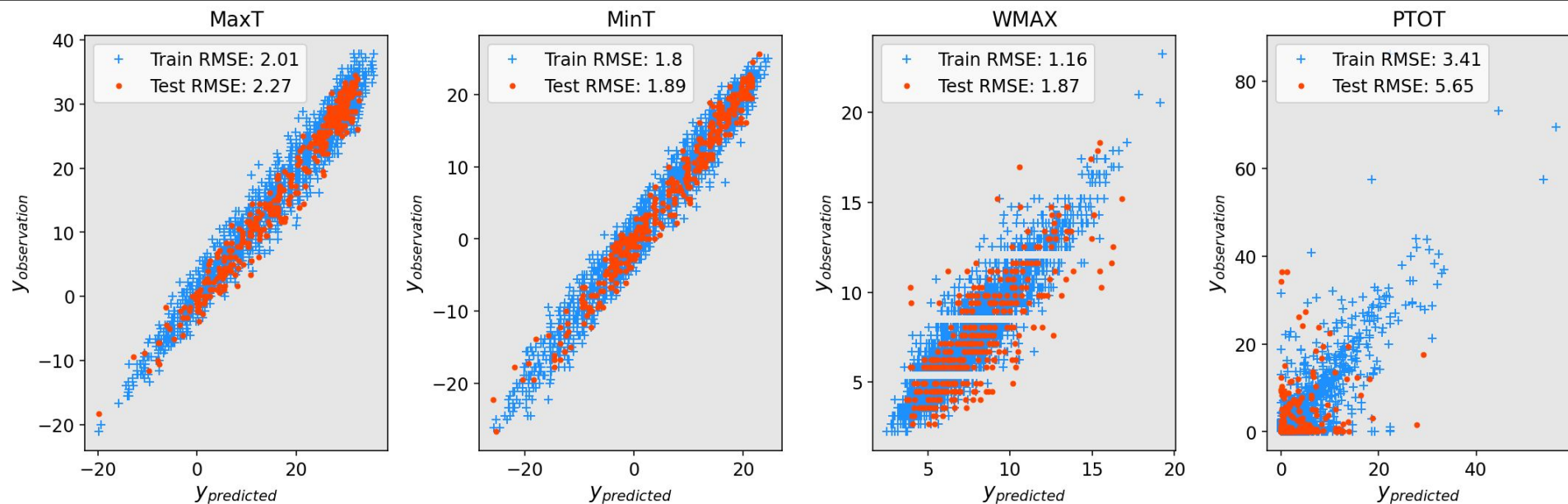
```
[9]  1 #let us actually run the class methods  
    2 wx = wxchallenge()  
    3 wx.preprocess_daily()  
    4 wx.preprocess_truth()
```



# Linear Regression



# Random Forest



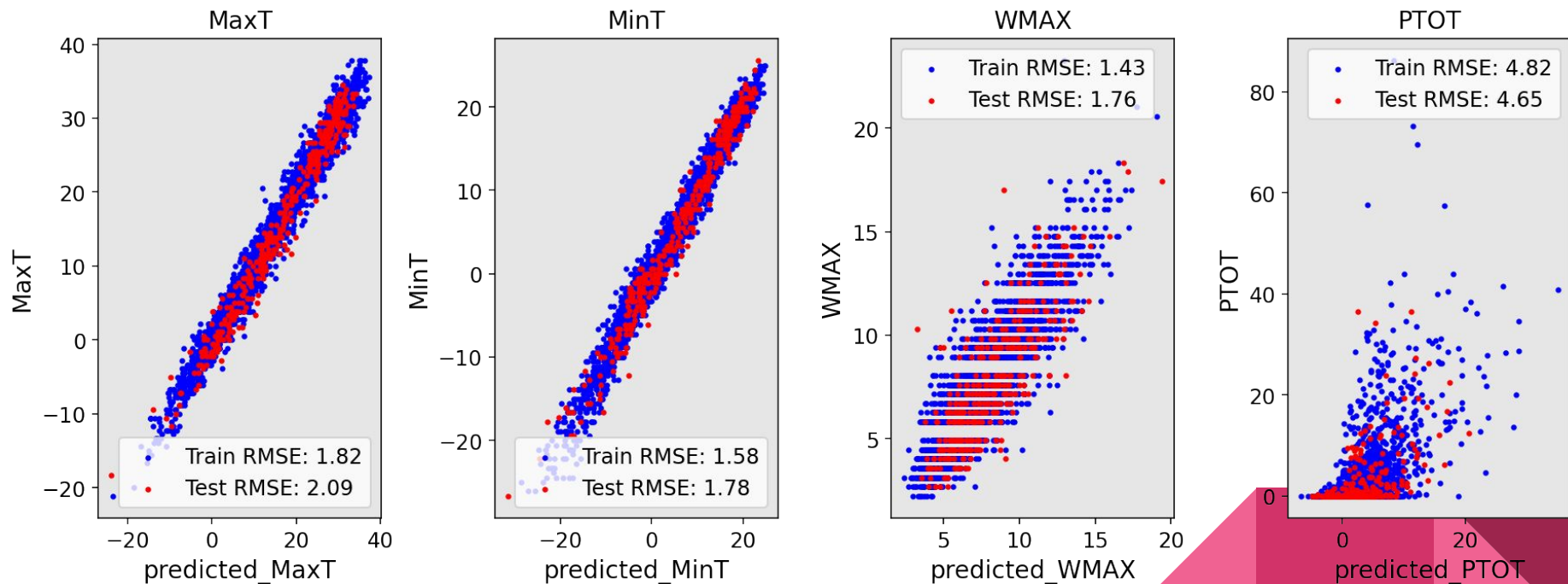
# Kitchen Sink Model: Use all data provided

In an effort to try our best, we threw the kitchen sink at it (MOS, Surface and Profile)

If a data point in profile was missing, the mean of that variable was used to fill the missing point.



# Linear Regression



# Random Forest

