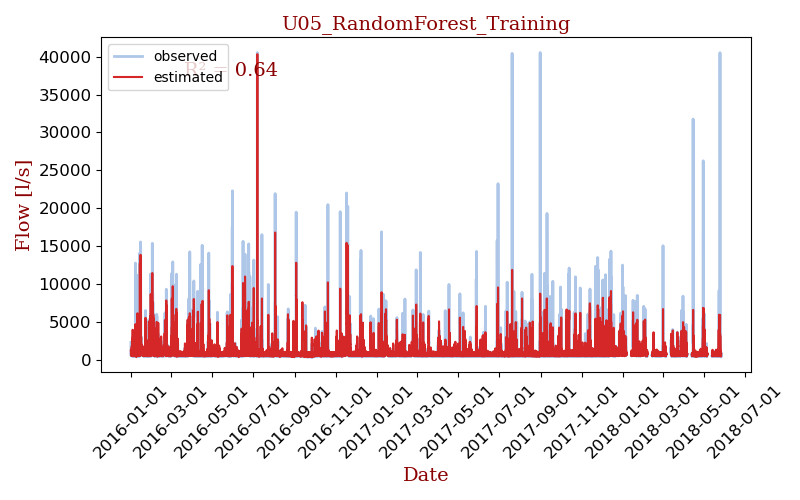
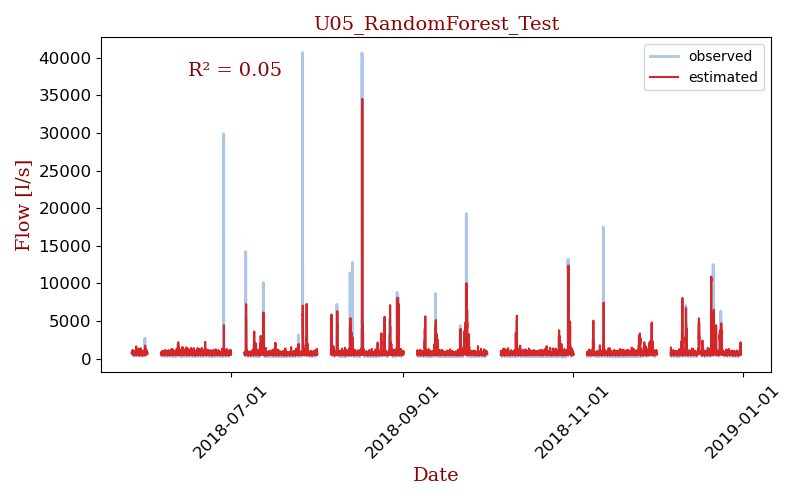
Random Forest Model Results

**Summary of regression result**

* Station: U05
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 75
* Training data length: 251671
* Test data length: 62917
* Number of input features: 15
* List of futures: ['U05\_lag\_24' 'U05\_lag\_25' 'U05\_lag\_26' 'U05\_lag\_27' 'U05\_lag\_28'  
   'U05\_lag\_29' 'U05\_lag\_30' 'U05\_lag\_31' 'U05\_lag\_32' 'U05\_lag\_33'  
   'WOL5-1\_rs15' 'WOL5-2\_rs15' 'WOL5-5\_rs15' 'WOL5-4\_rs15' 'WOL5-3\_rs15']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.64 | 0.05 | 732.03 | 1249.05 | 0.62 | -0.10 |





## Model details

[RandomForestRegressor(max\_depth=80, max\_features=3, min\_samples\_leaf=5,  
 min\_samples\_split=12, n\_estimators=300, n\_jobs=-1,  
 verbose=1)]