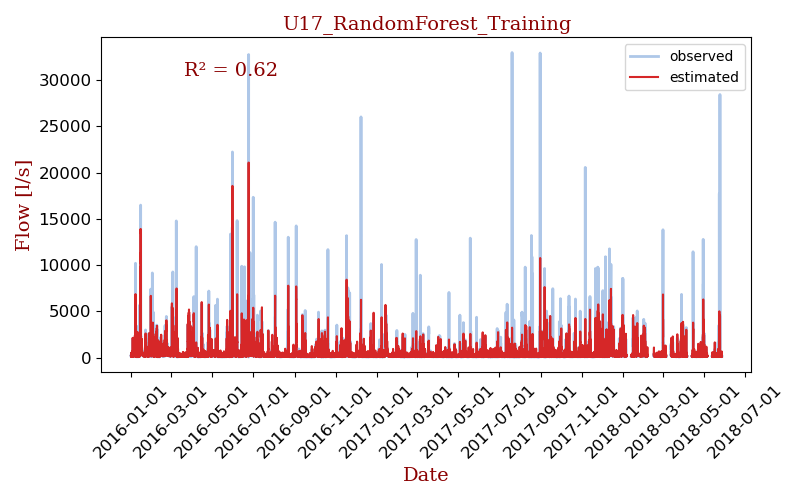
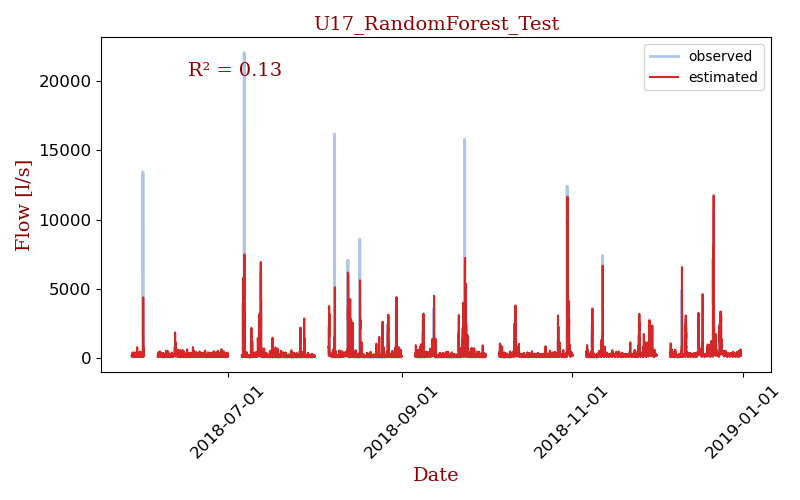
Random Forest Model Results

**Summary of regression result**

* Station: U17
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 30
* Training data length: 250448
* Test data length: 62612
* Number of input features: 15
* List of futures: ['U17\_lag\_24' 'U17\_lag\_25' 'U17\_lag\_26' 'U17\_lag\_27' 'U17\_lag\_28'  
   'U17\_lag\_29' 'U17\_lag\_30' 'U17\_lag\_31' 'U17\_lag\_32' 'U17\_lag\_33'  
   'MOL5-2\_rs6' 'MOL5-1\_rs6' 'MOL5-5\_rs6' 'MOL5-4\_rs6' 'MOL5-3\_rs6']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.62 | 0.13 | 529.90 | 663.24 | 0.60 | 0.03 |





## 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)]