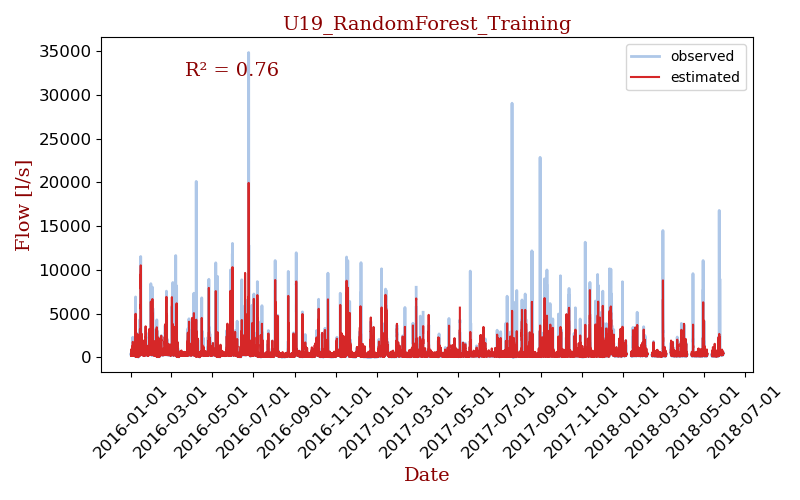
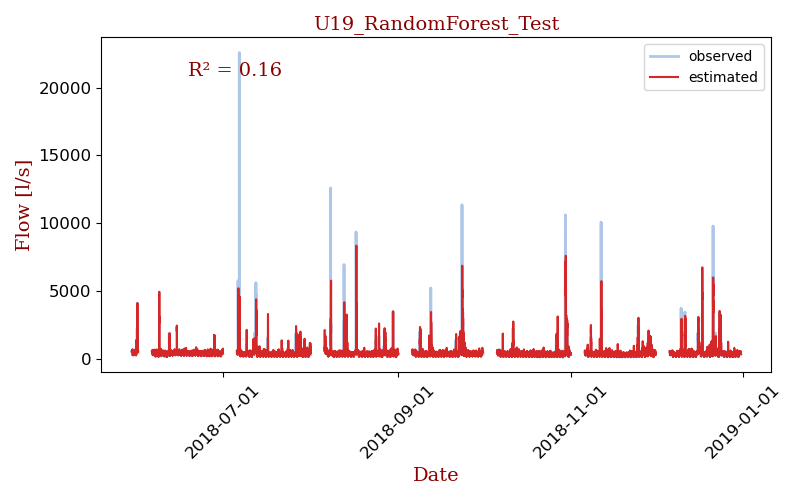
Random Forest Model Results

**Summary of regression result**

* Station: U19
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 105
* Training data length: 248022
* Test data length: 62005
* Number of input features: 15
* List of futures: ['U19\_lag\_24' 'U19\_lag\_25' 'U19\_lag\_26' 'U19\_lag\_27' 'U19\_lag\_28'  
   'U19\_lag\_29' 'U19\_lag\_30' 'U19\_lag\_31' 'U19\_lag\_32' 'U19\_lag\_33'  
   'BNV8-1\_rs21' 'BNV8-1\_rs18' 'BNV8-3\_rs21' 'BNV8-1\_rs15' 'BNV8-2\_rs21']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.76 | 0.16 | 421.87 | 584.93 | 0.75 | 0.07 |





## 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)]