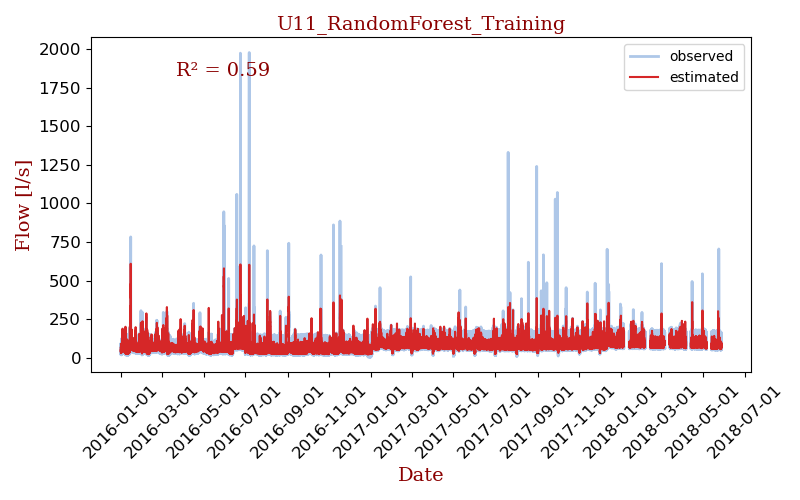
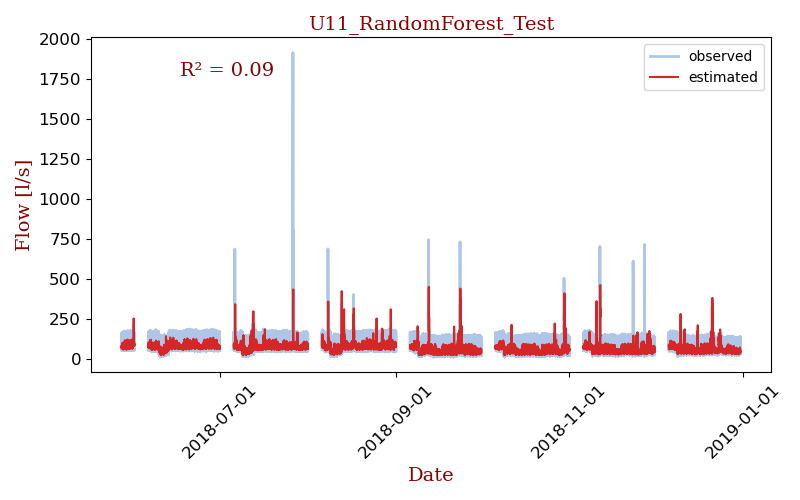
Random Forest Model Results

**Summary of regression result**

* Station: U11
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 15
* Training data length: 250174
* Test data length: 62543
* Number of input features: 15
* List of futures: ['U11\_lag\_24' 'U11\_lag\_25' 'U11\_lag\_26' 'U11\_lag\_27' 'U11\_lag\_28'  
   'U11\_lag\_29' 'U11\_lag\_30' 'U11\_lag\_31' 'U11\_lag\_32' 'U11\_lag\_33'  
   'BNV4-1\_rs3' 'BNV4-4\_rs3' 'BNV4-5\_rs3' 'BNV4-2\_rs3' 'BNV4-3\_rs3']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.59 | 0.09 | 32.51 | 58.88 | 0.57 | 0.05 |





## 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)]