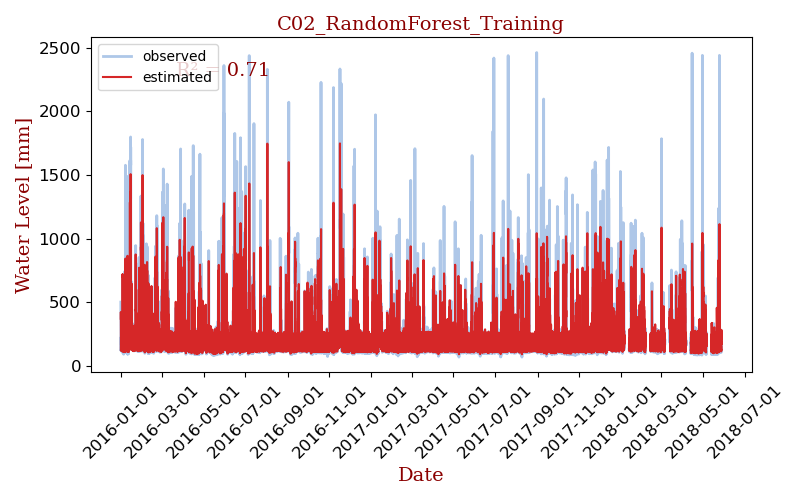
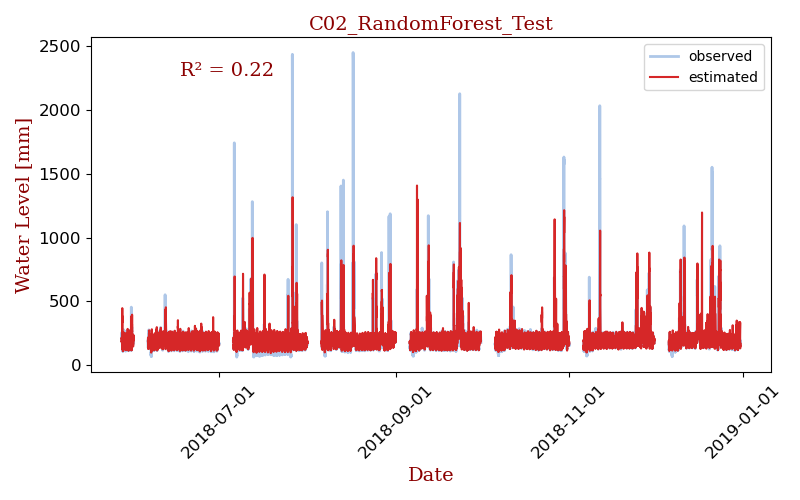
Random Forest Model Results

**Summary of regression result**

* Station: C02
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 105
* Training data length: 250342
* Test data length: 62585
* Number of input features: 15
* List of futures: ['C02\_lag\_24' 'C02\_lag\_25' 'C02\_lag\_26' 'C02\_lag\_27' 'C02\_lag\_28'  
   'C02\_lag\_29' 'C02\_lag\_30' 'C02\_lag\_31' 'C02\_lag\_32' 'C02\_lag\_33'  
   'WOL7-4\_rs21' 'WOL7-5\_rs21' 'WOL7-3\_rs21' 'WOL7-4\_rs18' 'WOL7-5\_rs18']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.71 | 0.22 | 84.14 | 117.86 | 0.70 | 0.15 |





## 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)]