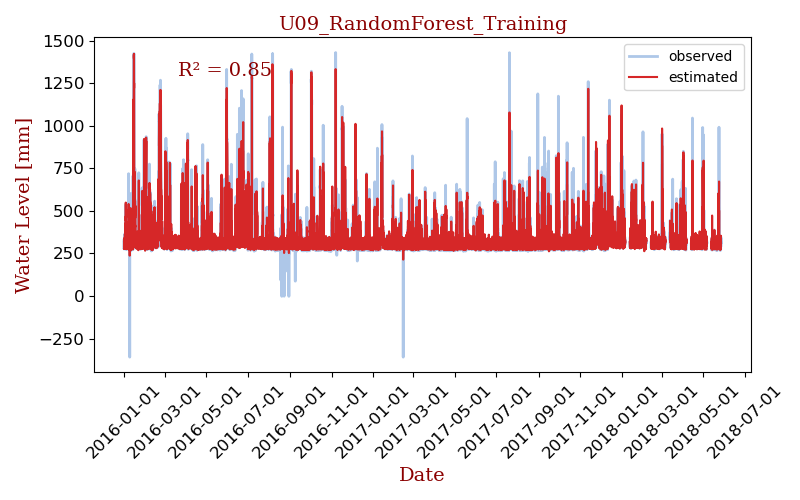
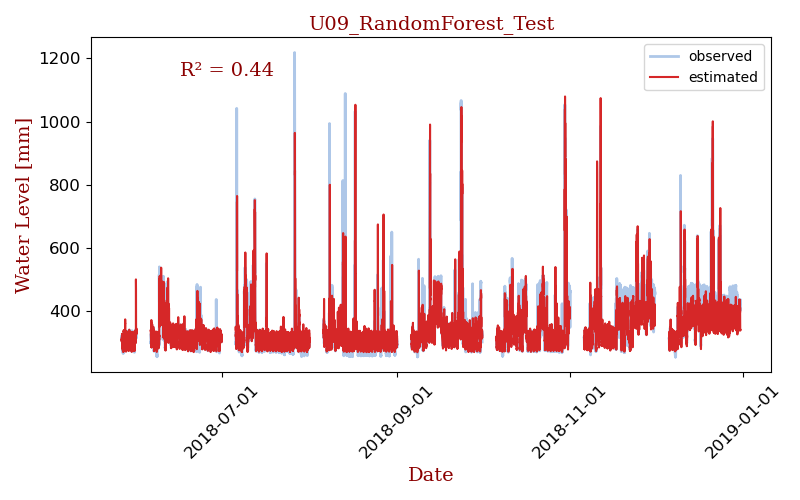
Random Forest Model Results

**Summary of regression result**

* Station: U09
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 60
* Training data length: 251552
* Test data length: 62887
* Number of input features: 15
* List of futures: ['U09\_lag\_24' 'U09\_lag\_25' 'U09\_lag\_26' 'U09\_lag\_27' 'U09\_lag\_28'  
   'U09\_lag\_29' 'U09\_lag\_30' 'U09\_lag\_31' 'U09\_lag\_32' 'U09\_lag\_33'  
   'ZEN3-3\_rs12' 'ZEN3-1\_rs12' 'ZEN3-2\_rs12' 'ZEN3-5\_rs12' 'ZEN3-4\_rs12']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.85 | 0.44 | 40.28 | 67.29 | 0.85 | 0.42 |





## 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)]