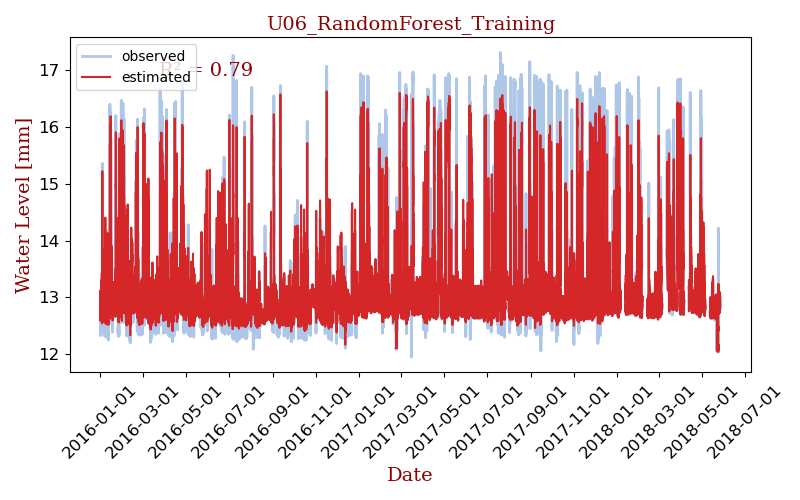
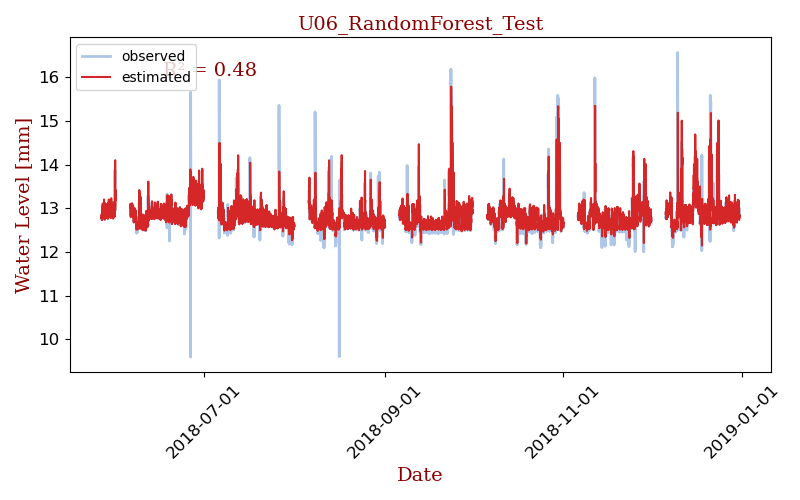
Random Forest Model Results

**Summary of regression result**

* Station: U06
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 75
* Training data length: 251110
* Test data length: 62777
* Number of input features: 15
* List of futures: ['U06\_lag\_24' 'U06\_lag\_25' 'U06\_lag\_26' 'U06\_lag\_27' 'U06\_lag\_28'  
   'U06\_lag\_29' 'U06\_lag\_30' 'U06\_lag\_31' 'U06\_lag\_32' 'U06\_lag\_33'  
   'ZEN6-2\_rs15' 'ZEN6-3\_rs15' 'ZEN6-4\_rs15' 'ZEN6-1\_rs15' 'ZEN6-5\_rs15']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.79 | 0.48 | 0.30 | 0.27 | 0.79 | 0.47 |





## 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)]