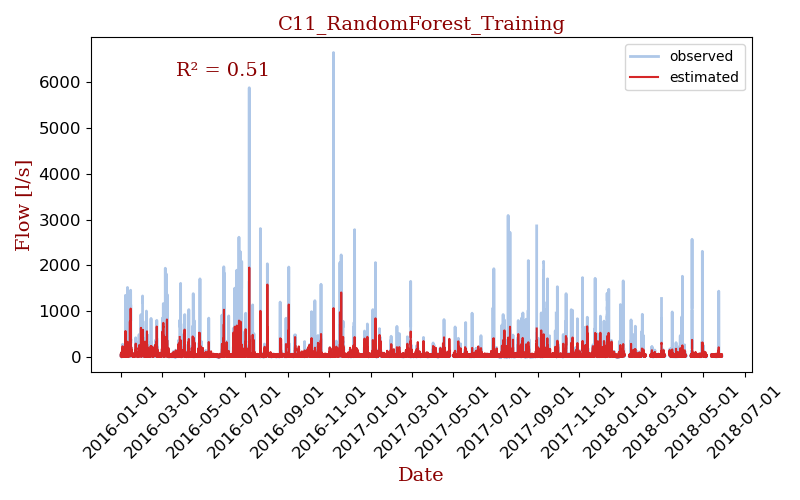
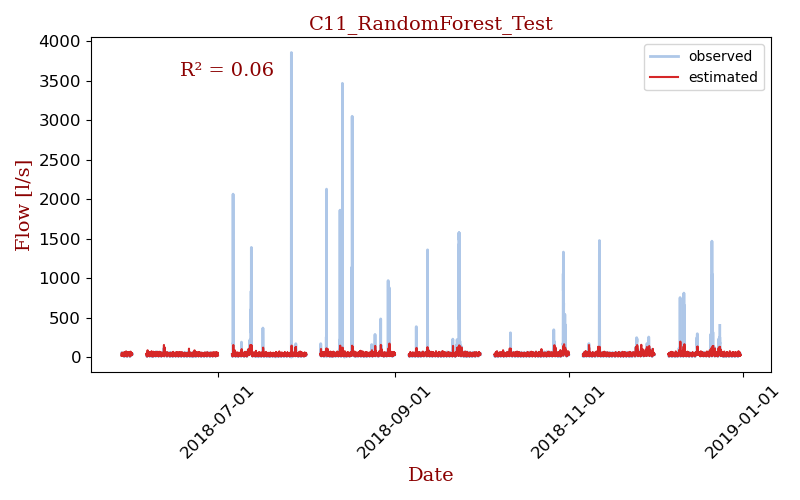
Random Forest Model Results

**Summary of regression result**

* Station: C11
* Lag time in minutes: 120
* Lag for rainfall rolling sum in minutes: 45
* Training data length: 244640
* Test data length: 61160
* Number of input features: 15
* List of futures: ['C11\_lag\_24' 'C11\_lag\_25' 'C11\_lag\_26' 'C11\_lag\_27' 'C11\_lag\_28'  
   'C11\_lag\_29' 'C11\_lag\_30' 'C11\_lag\_31' 'C11\_lag\_32' 'C11\_lag\_33'  
   'MAL1-3\_rs9' 'MAL1-2\_rs9' 'MAL1-1\_rs9' 'MAL1-4\_rs9' 'MAL1-5\_rs9']

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Method | Rsqured\_train | Rsquared\_test | rmse\_train | rmse\_test | NSE\_train | NSE\_test |
| RF | 0.51 | 0.06 | 67.00 | 92.23 | 0.47 | 0.06 |





## 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)]