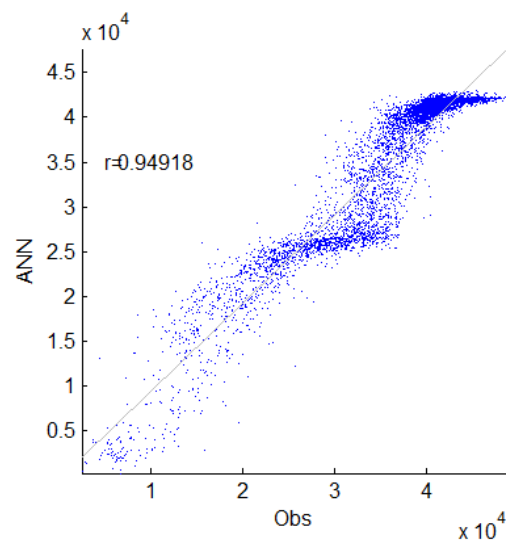
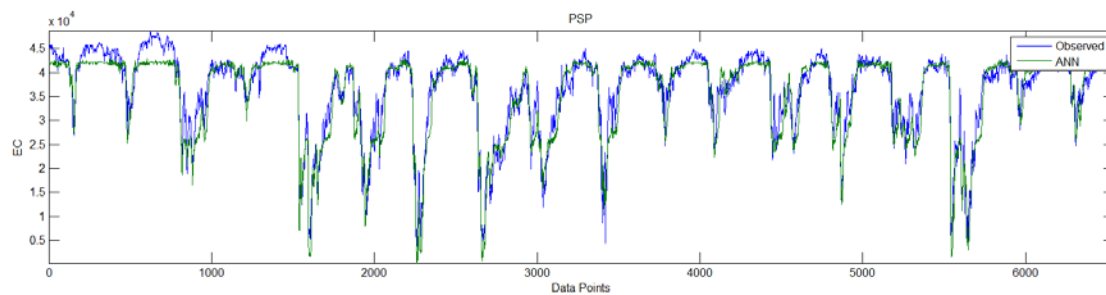


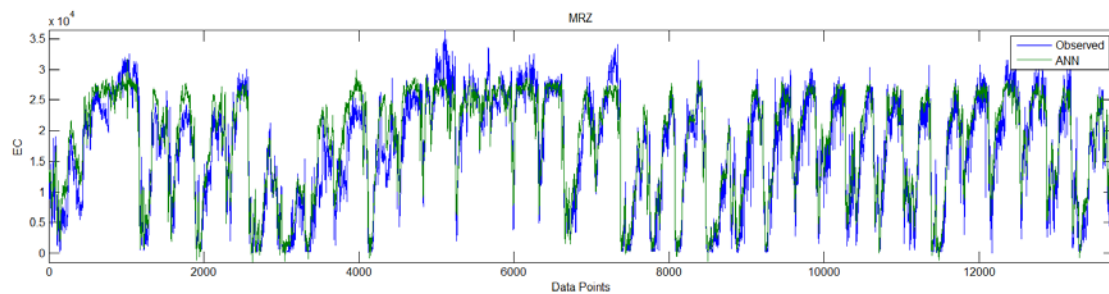
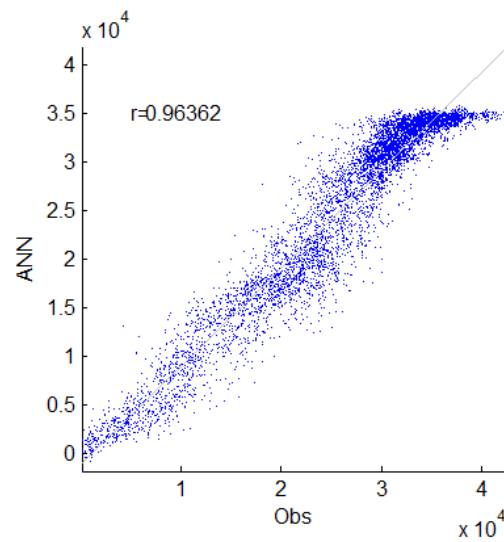
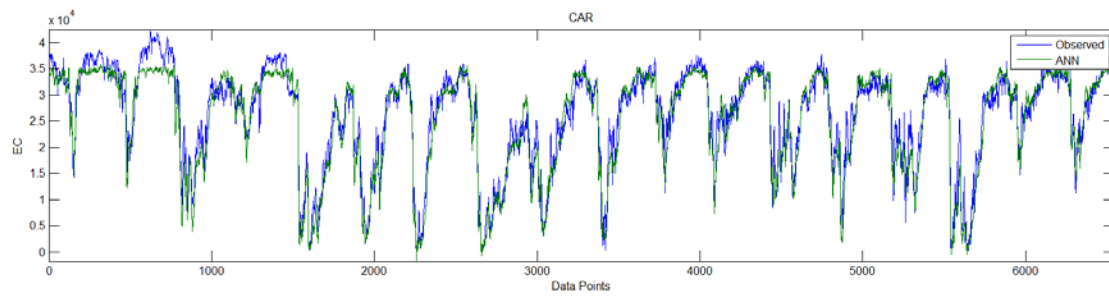
APPENDIX D

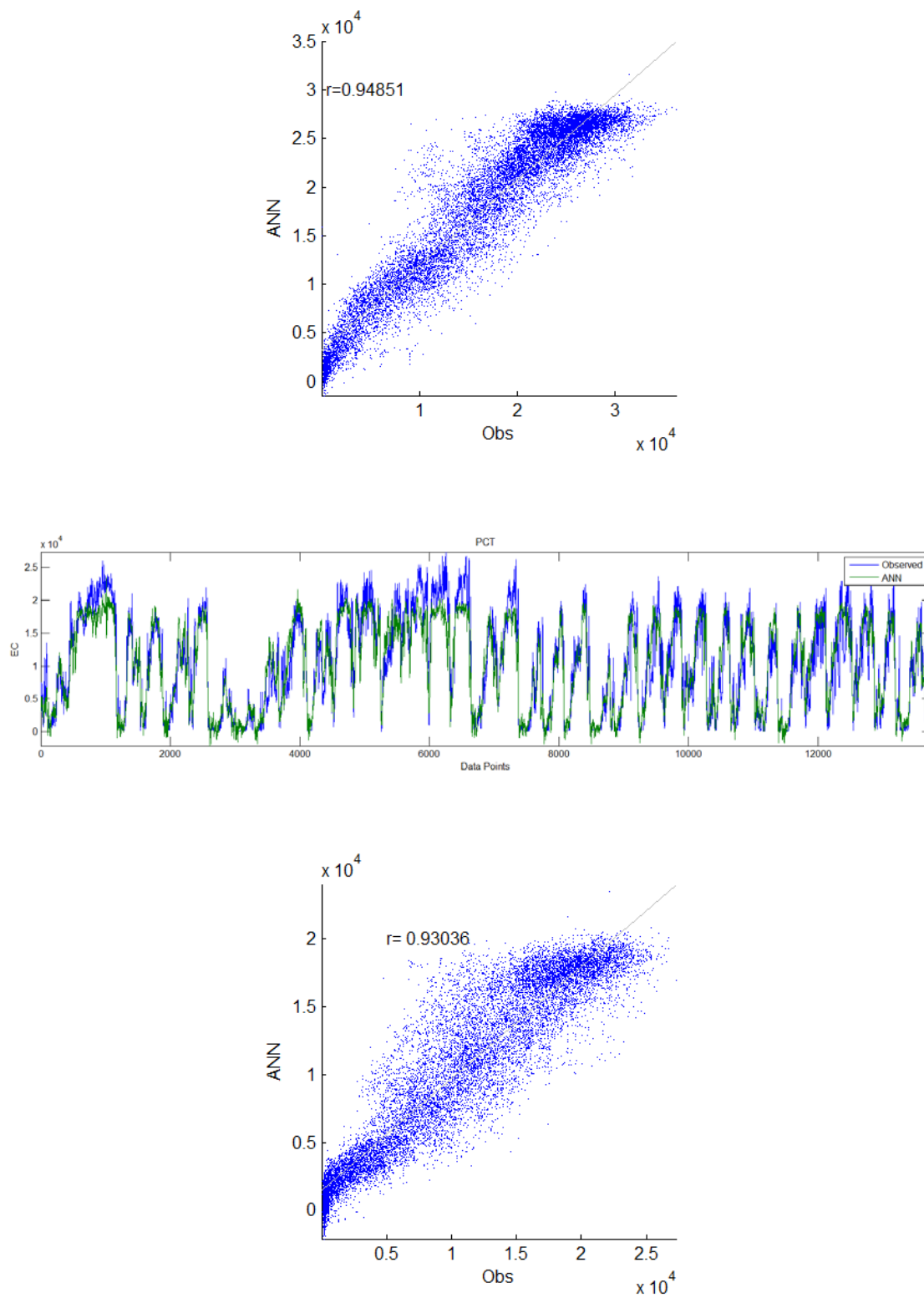
TRAINING RESULTS

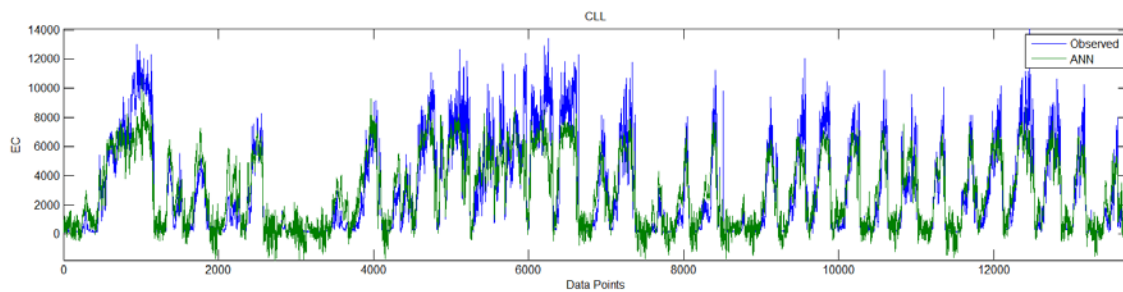
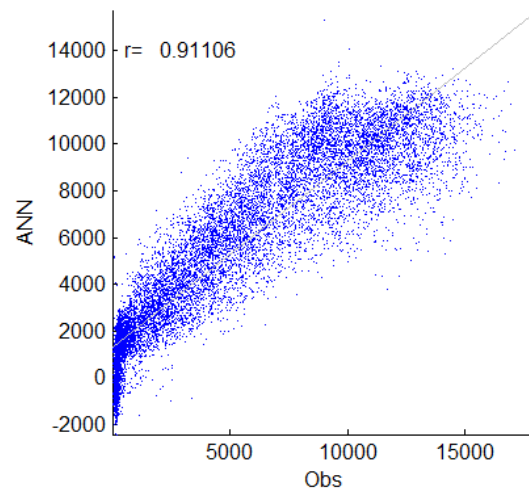
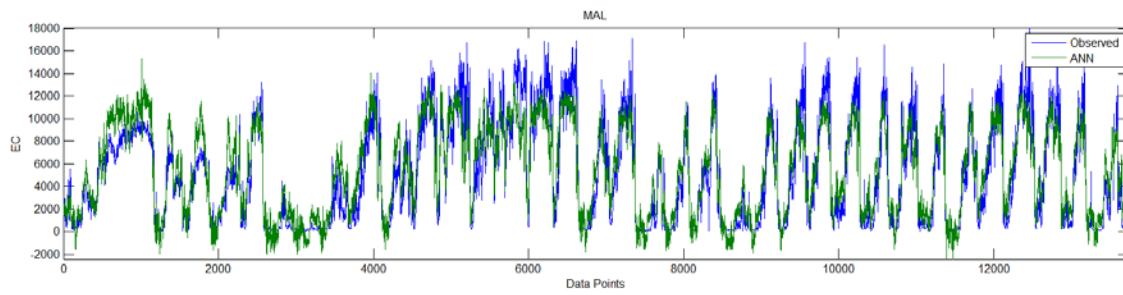
MODEL 1

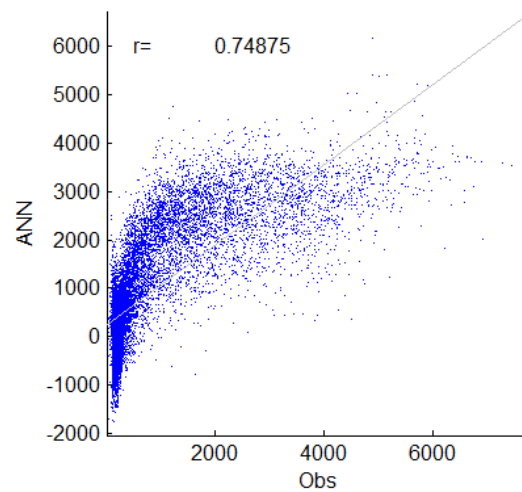
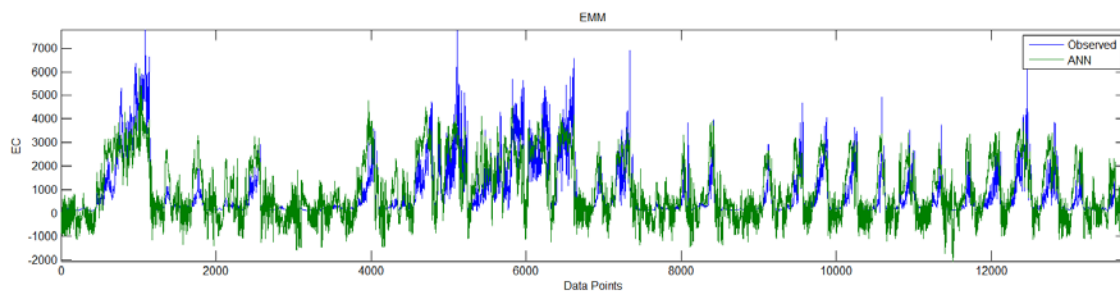
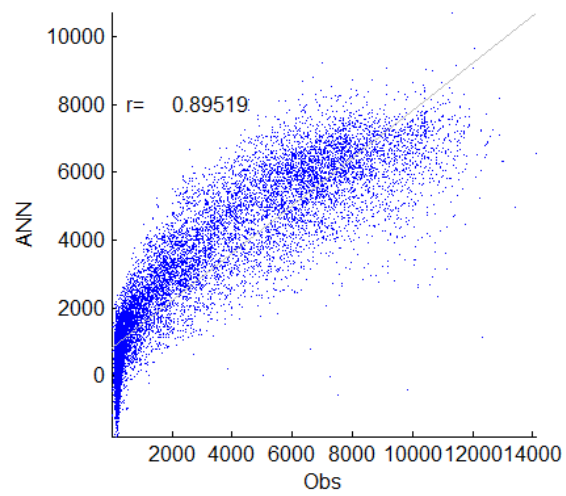
1 Flow

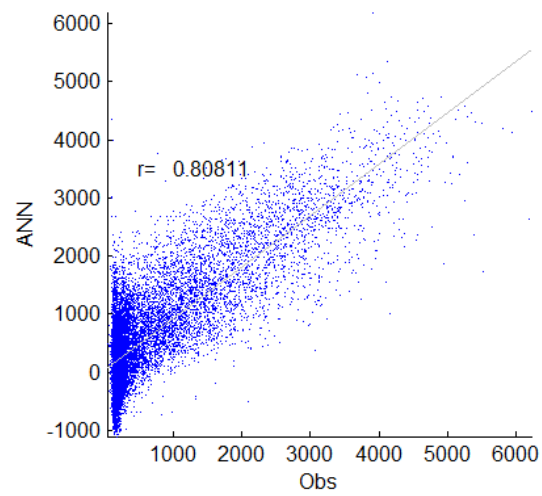
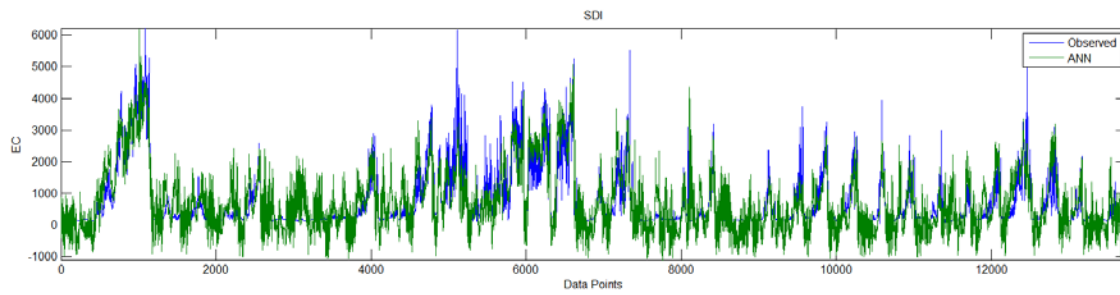


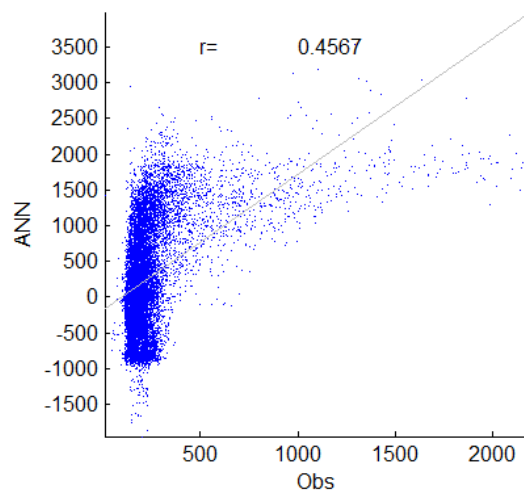
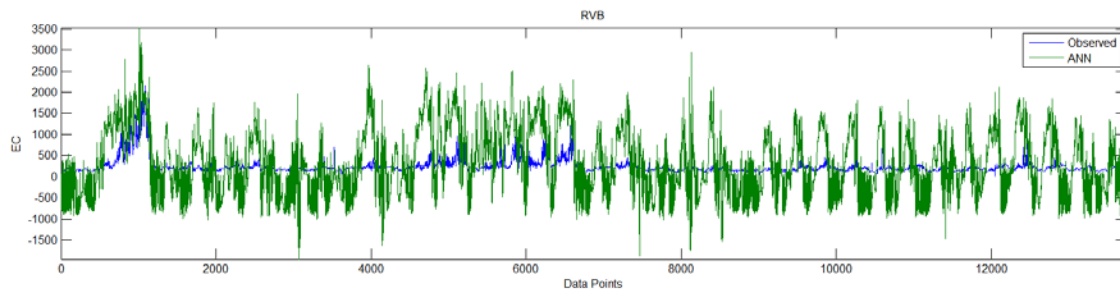


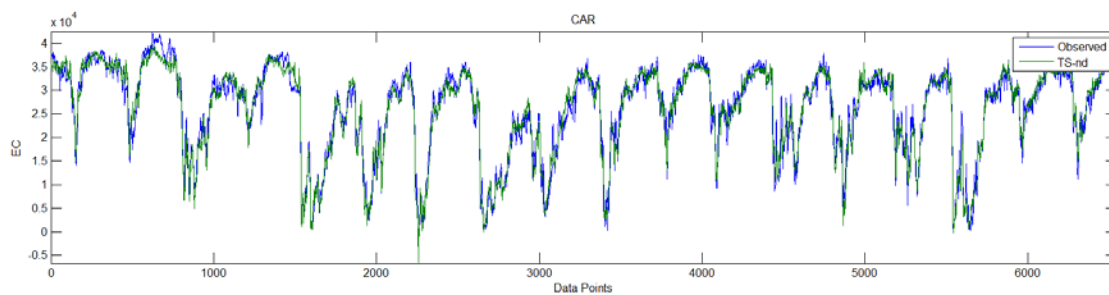
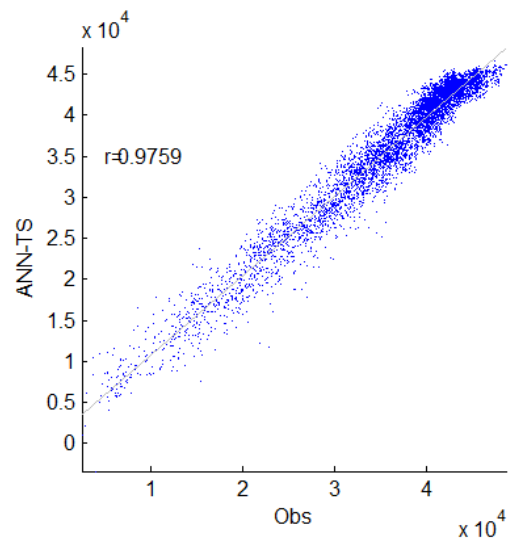
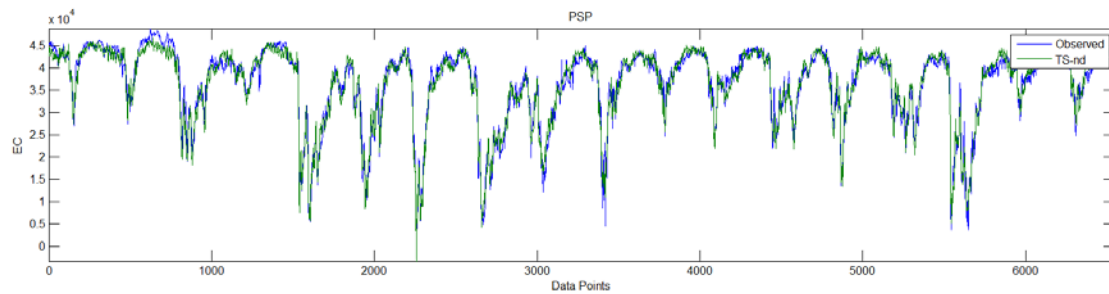


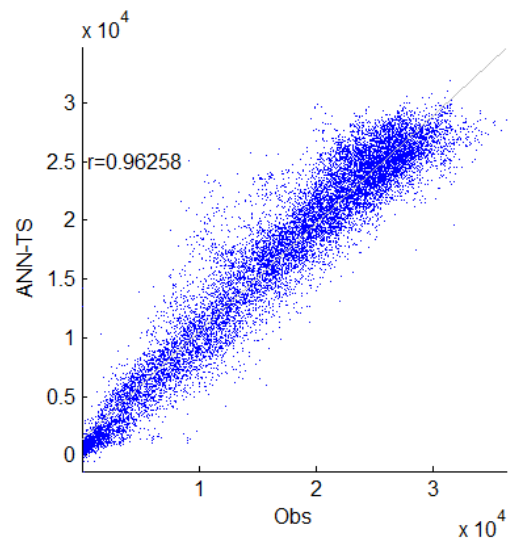
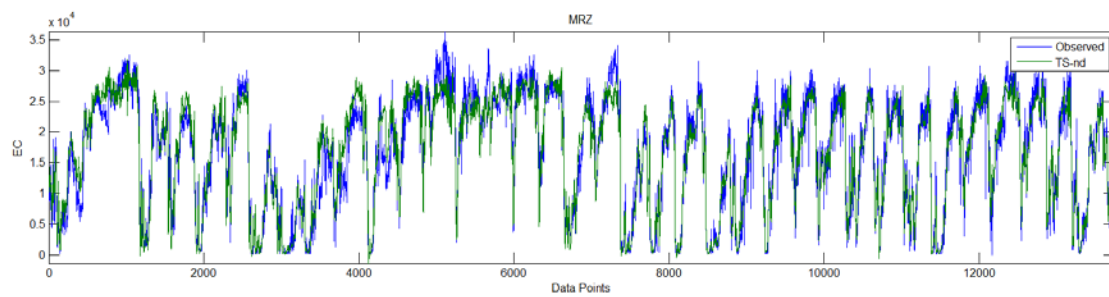
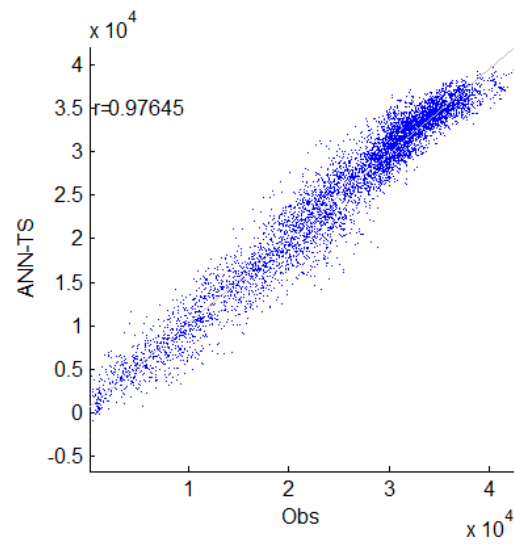


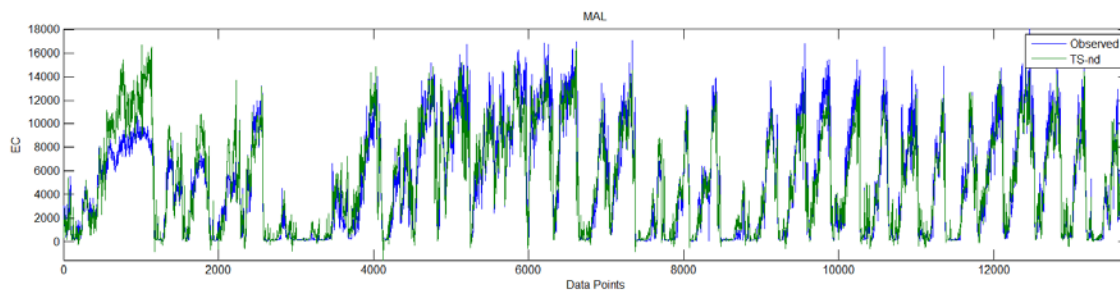
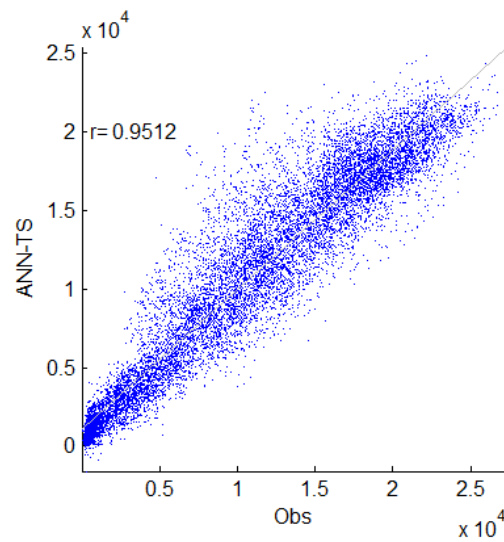
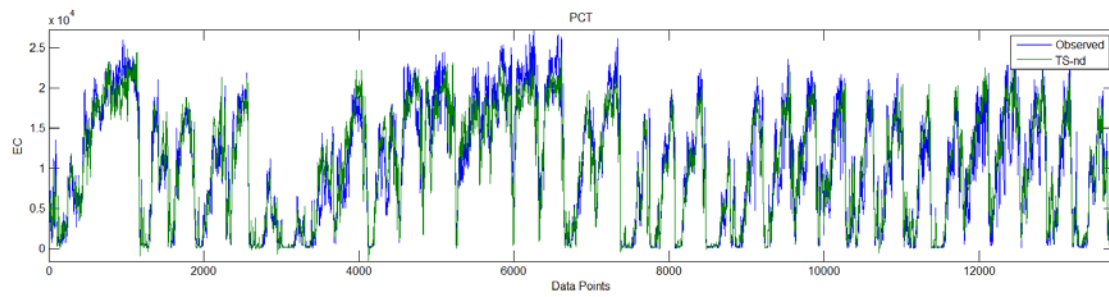


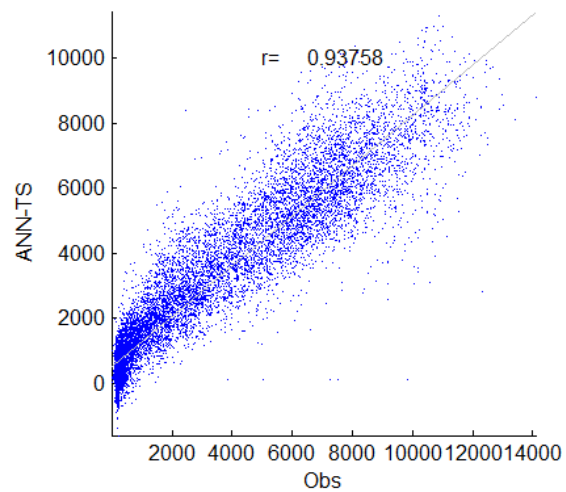
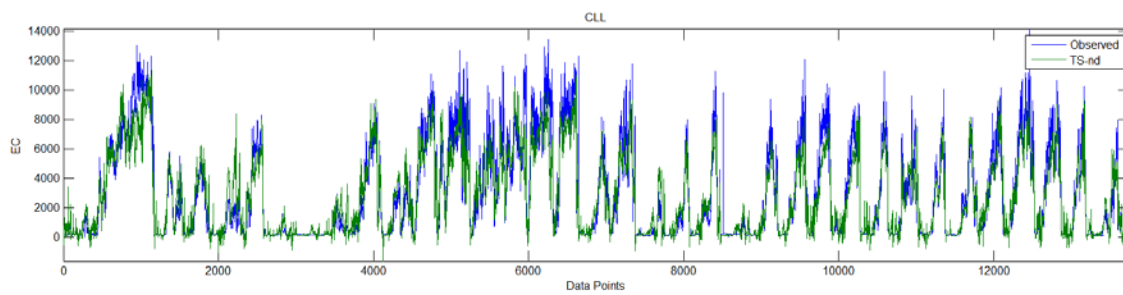
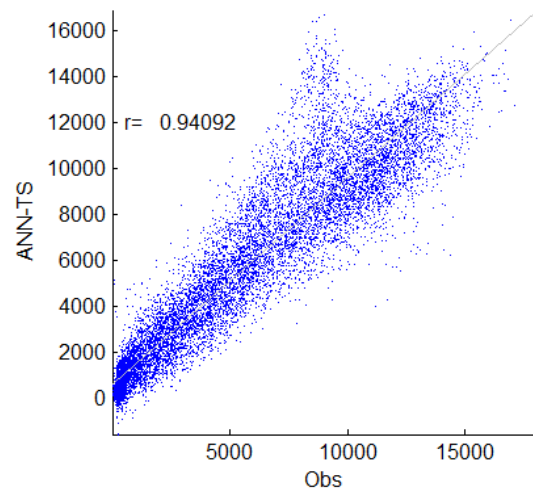


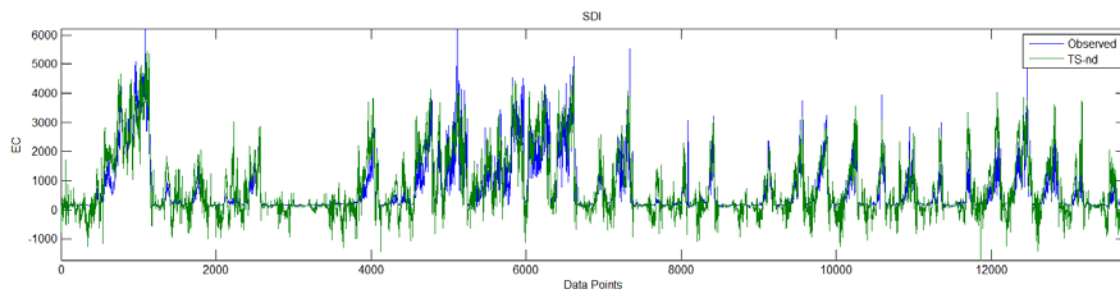
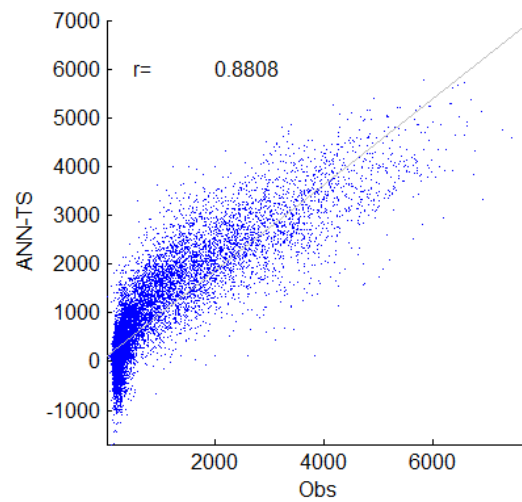
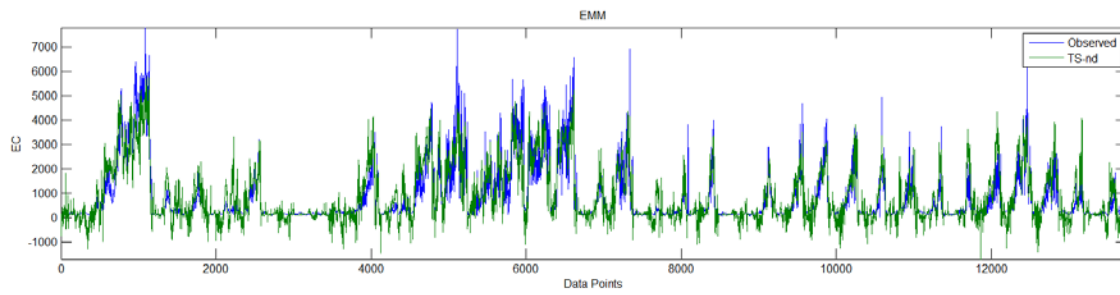


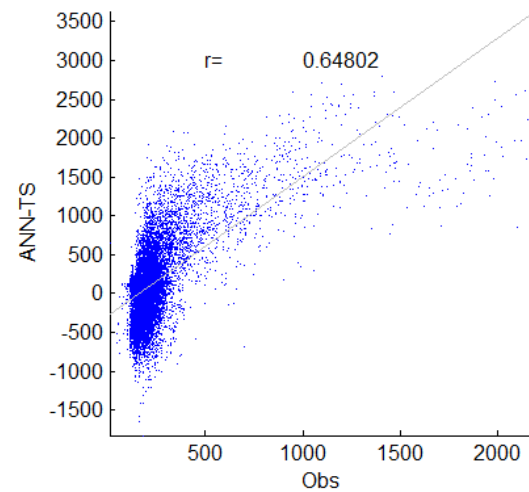
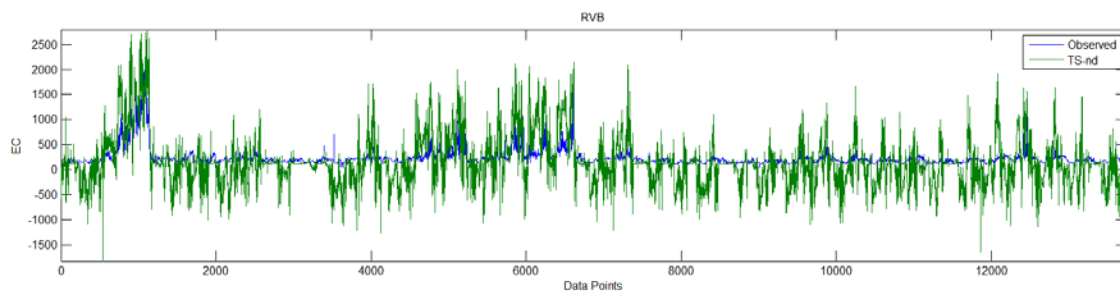
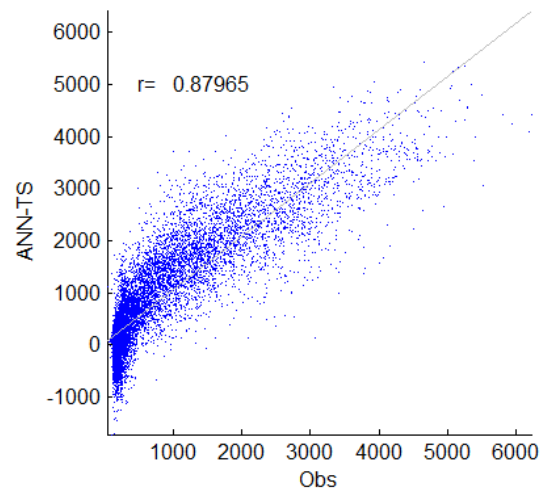
MODEL 2
2 Flow

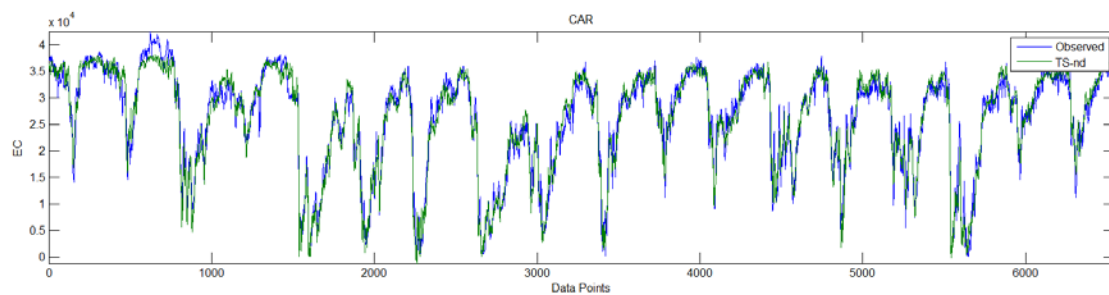
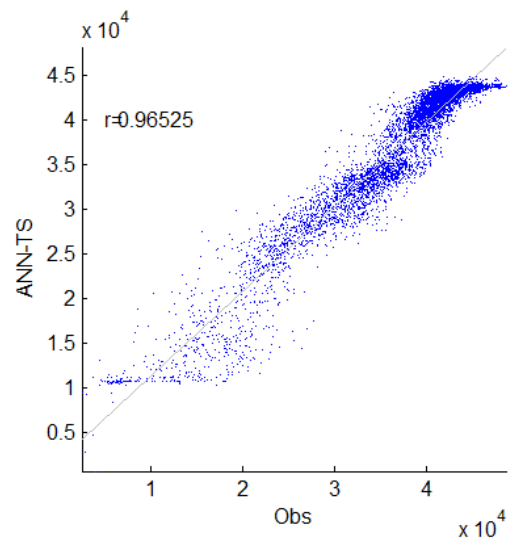
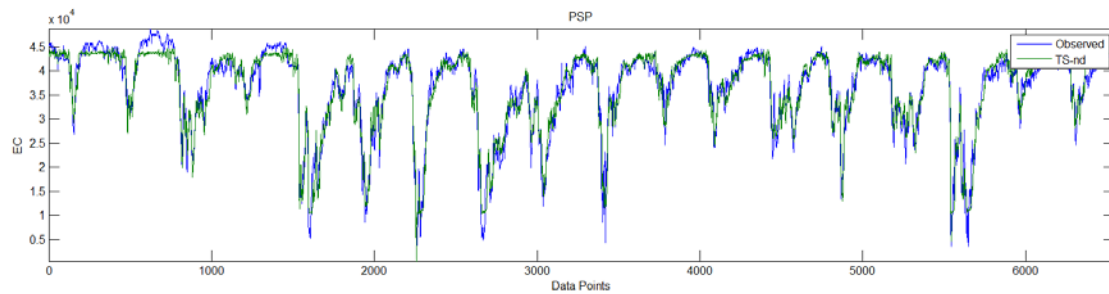


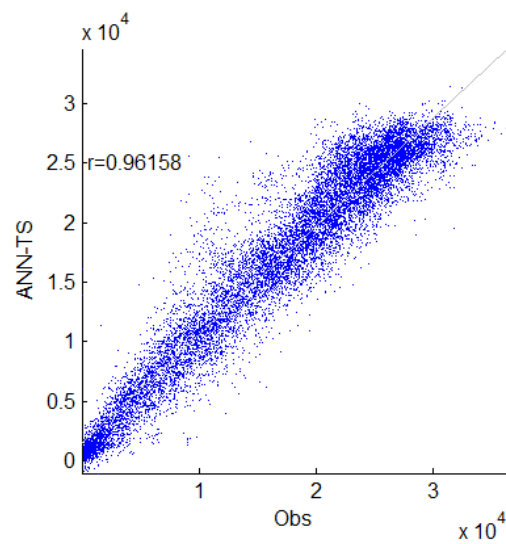
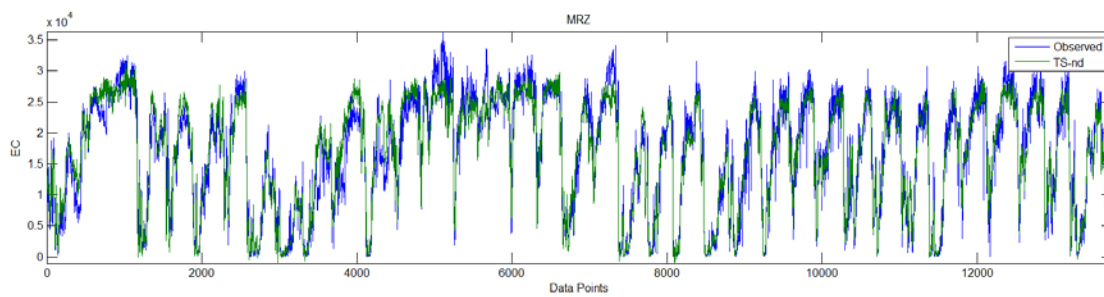
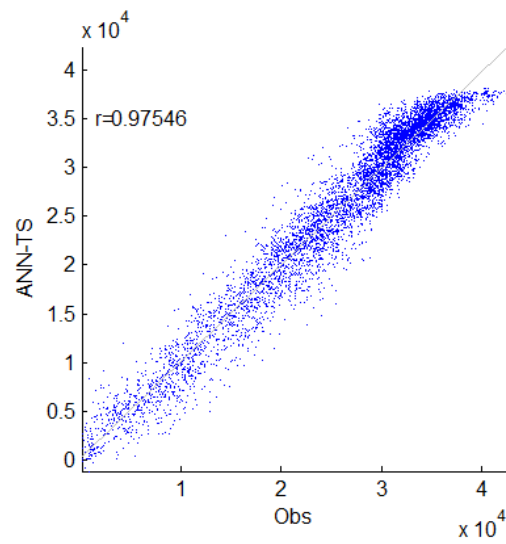


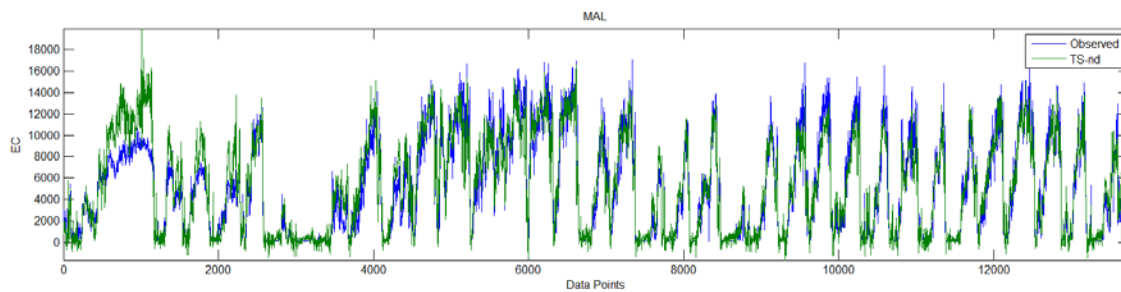
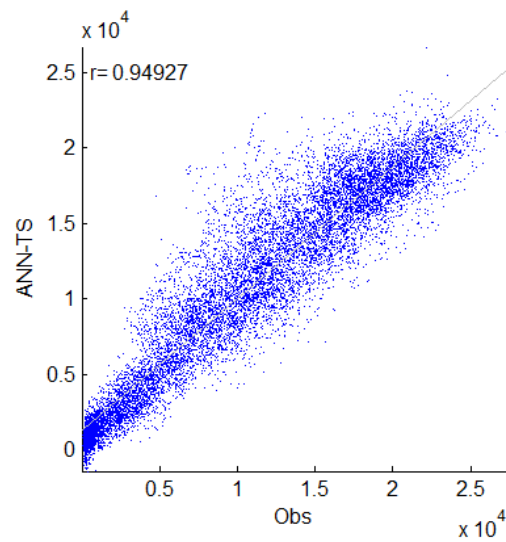
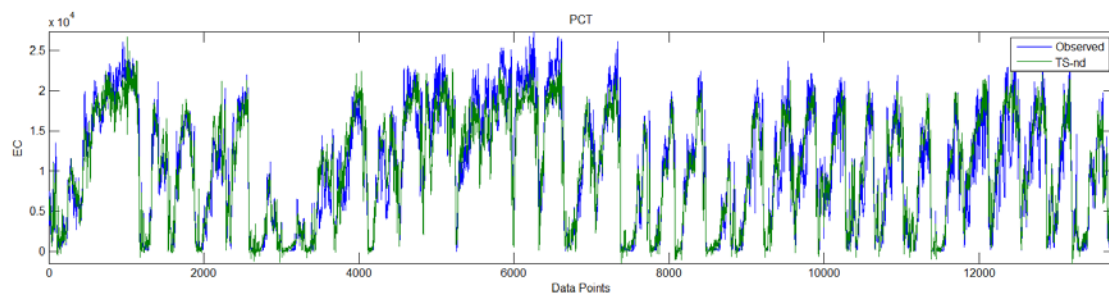


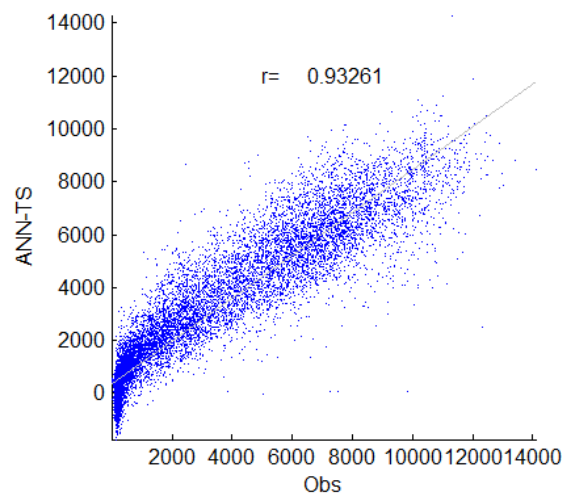
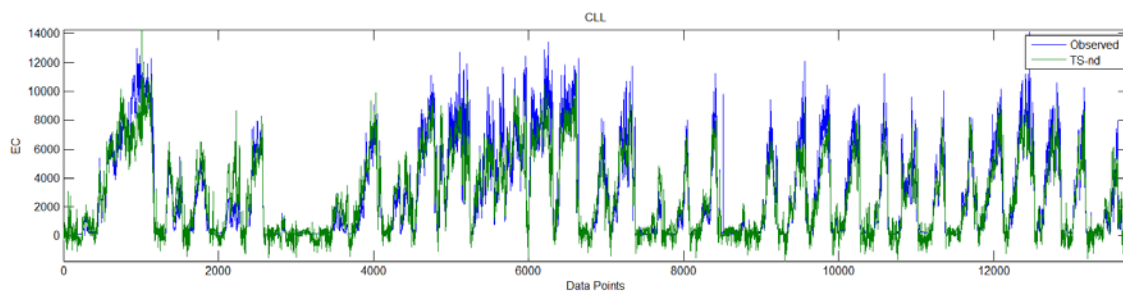
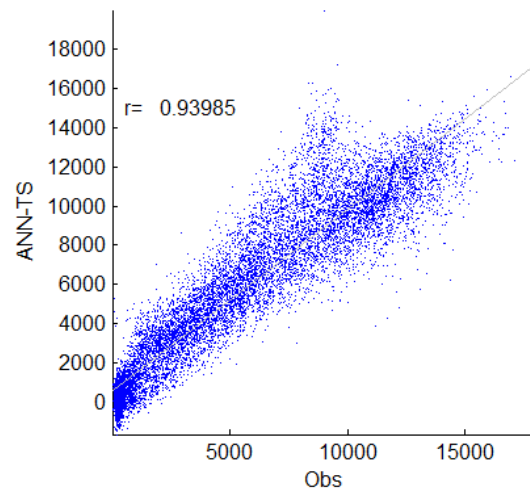


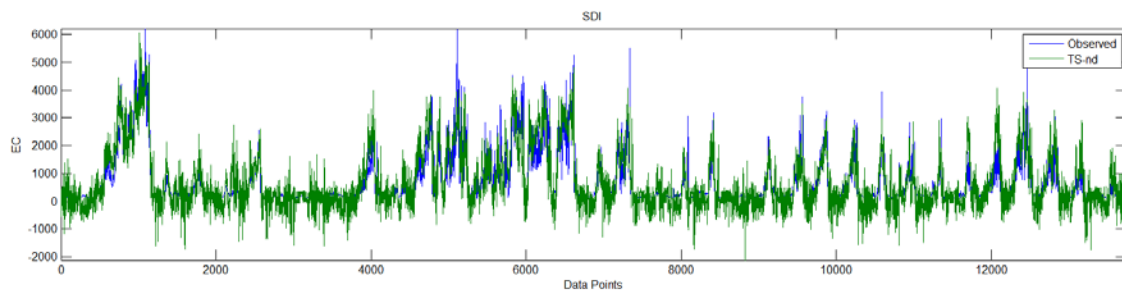
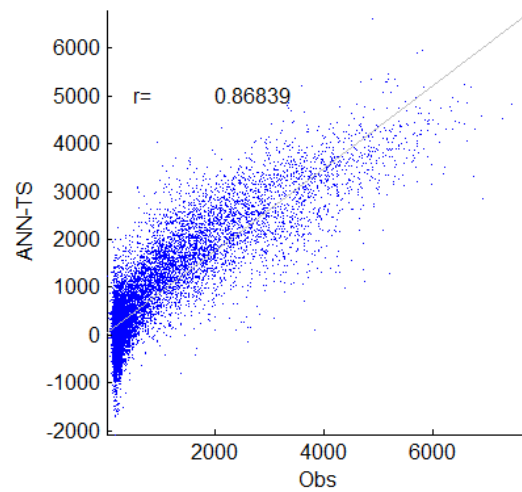
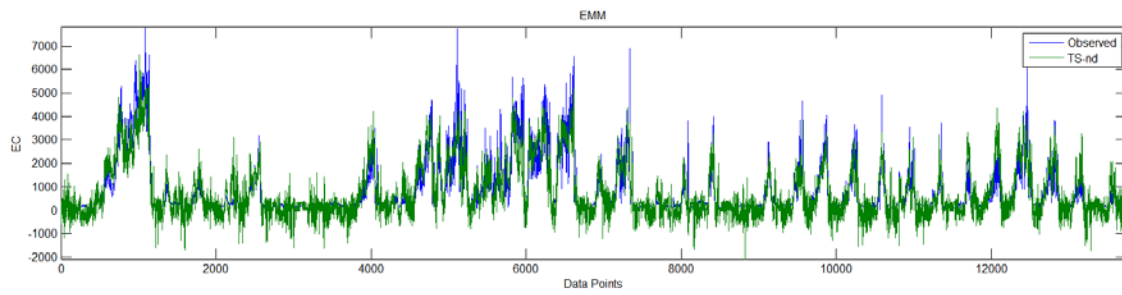


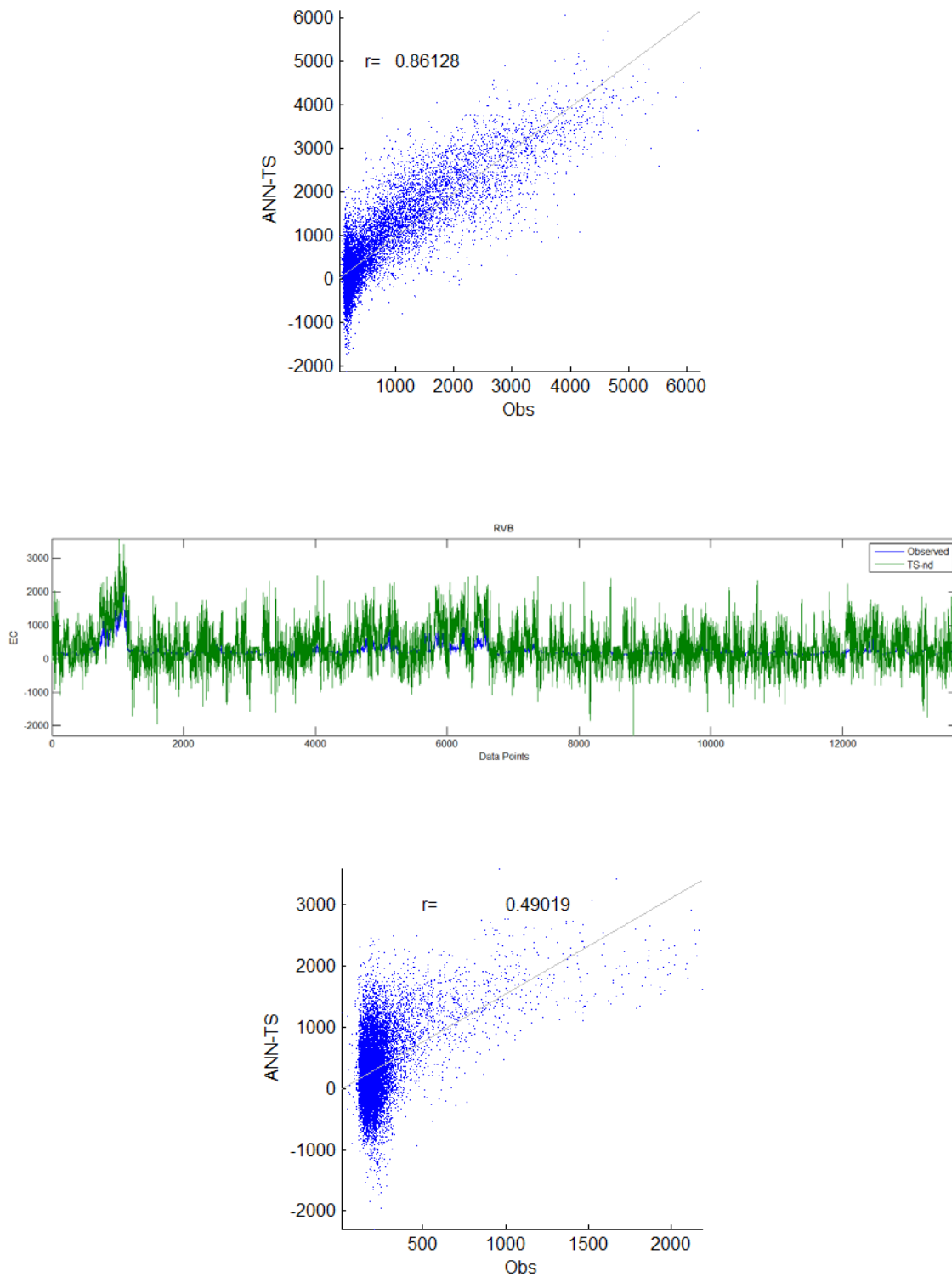
MODEL 3**2 Flows, Qwest residual**

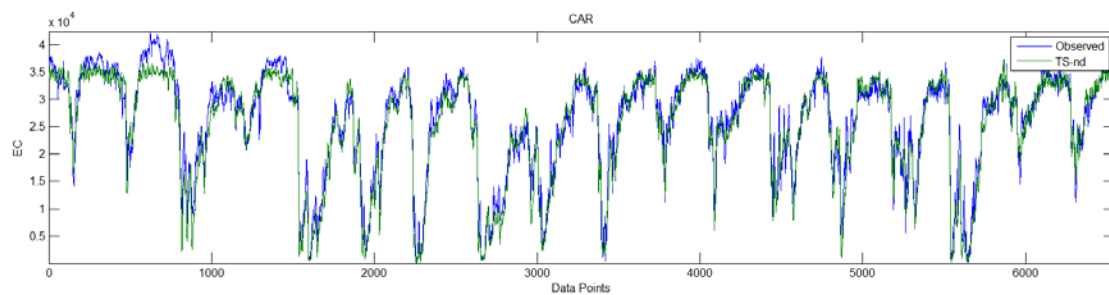
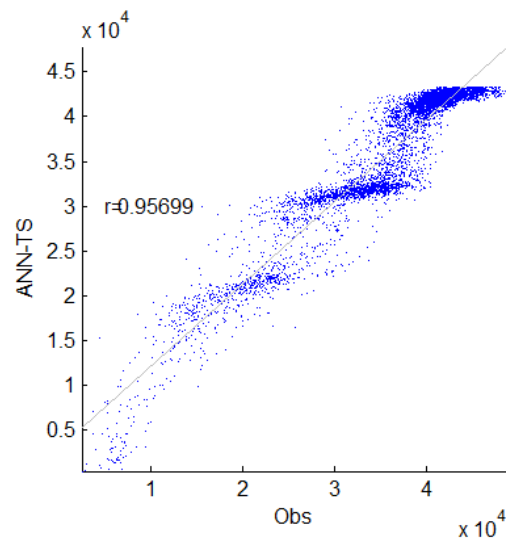
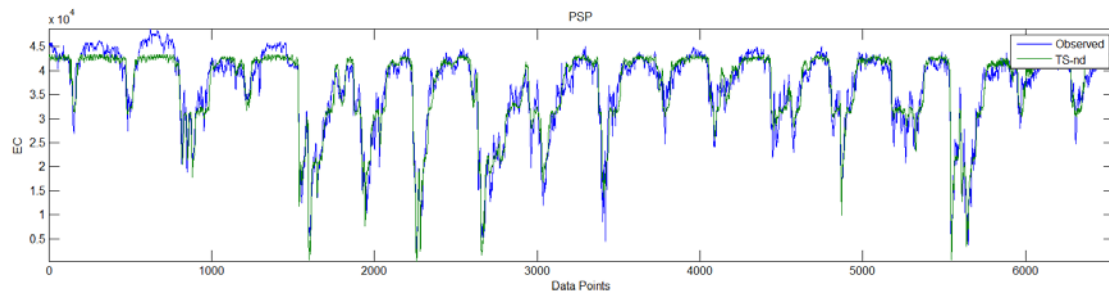


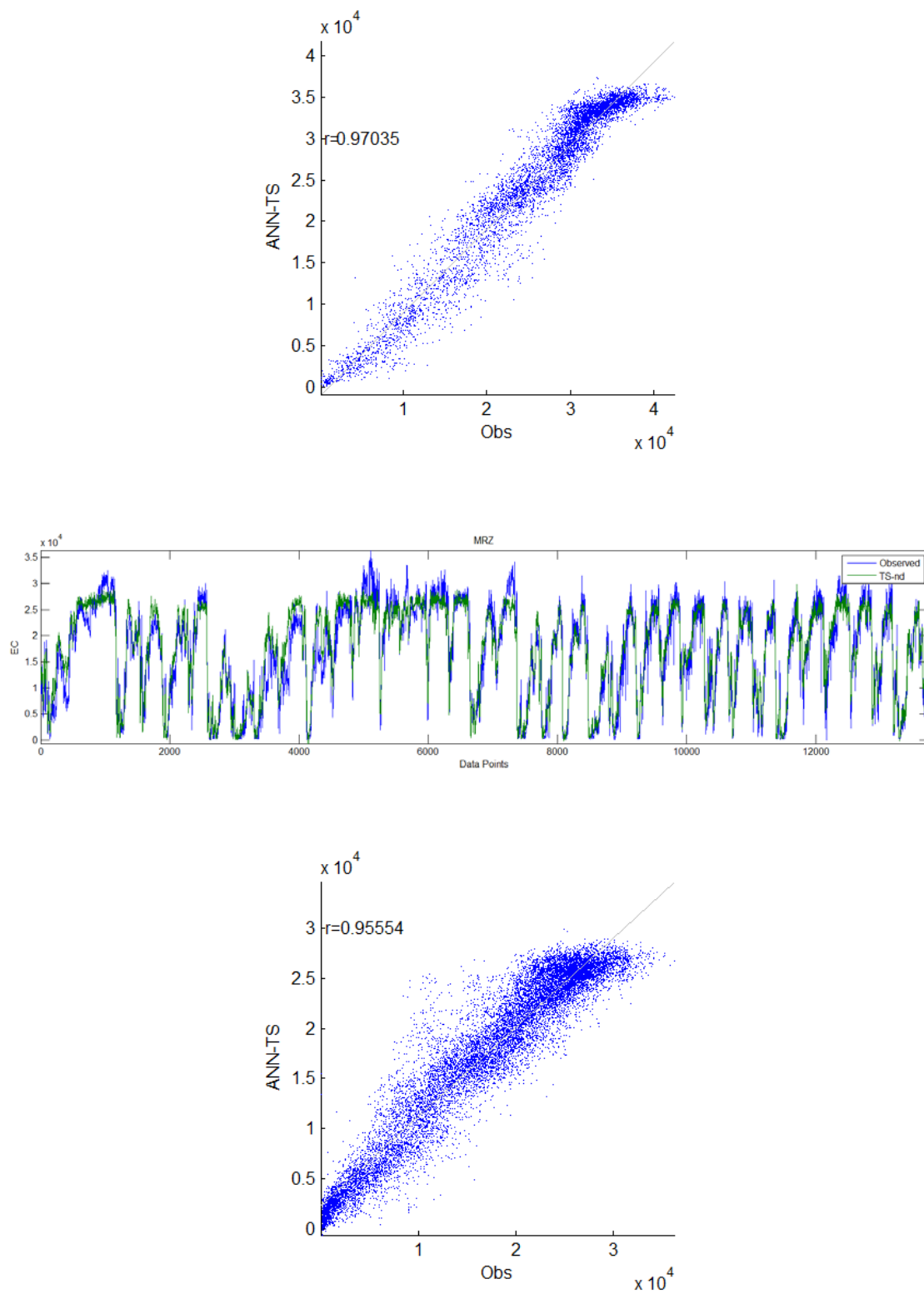


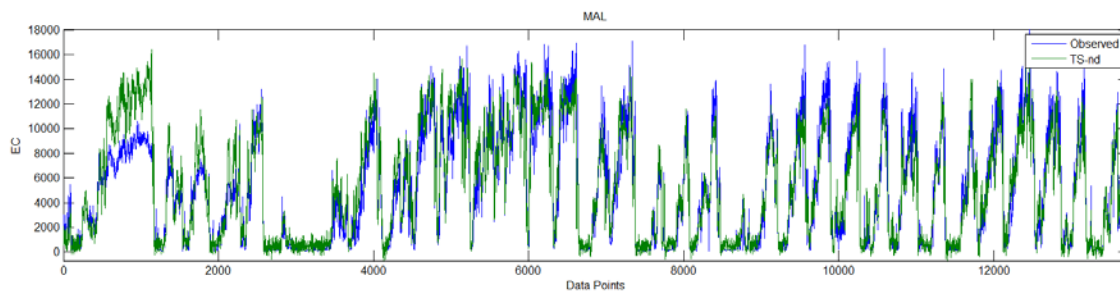
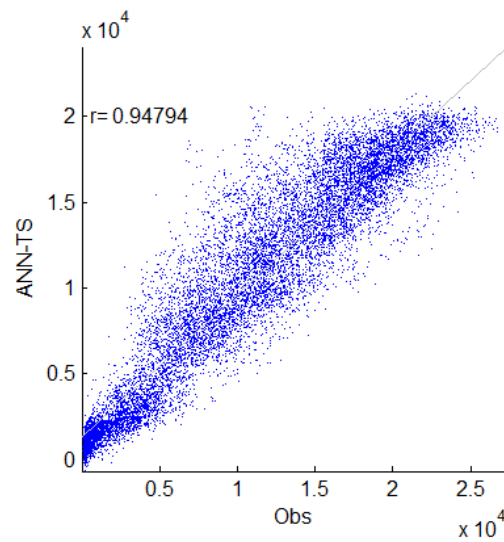
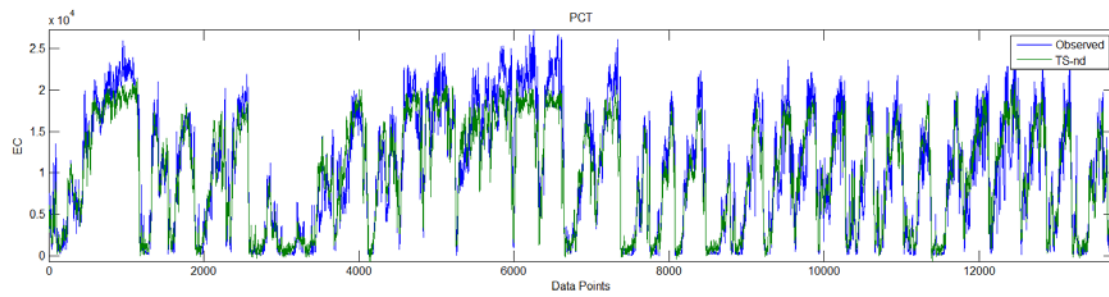


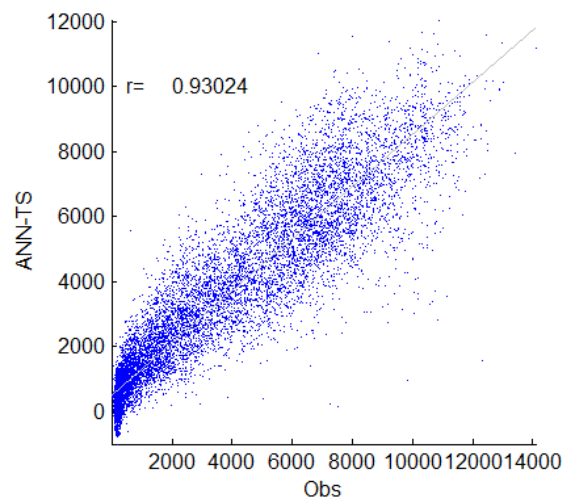
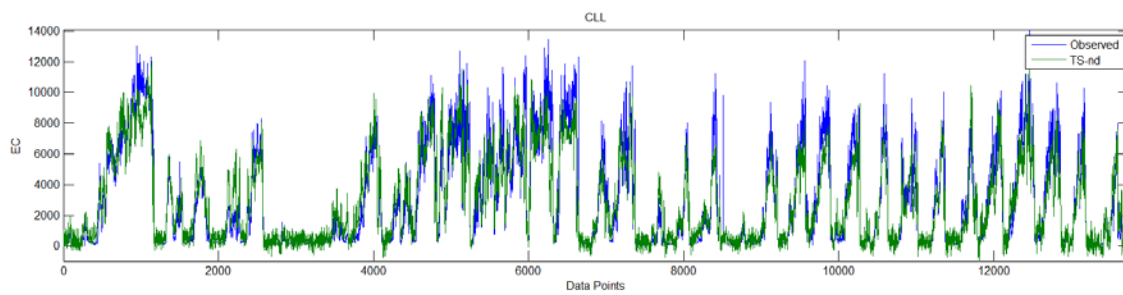
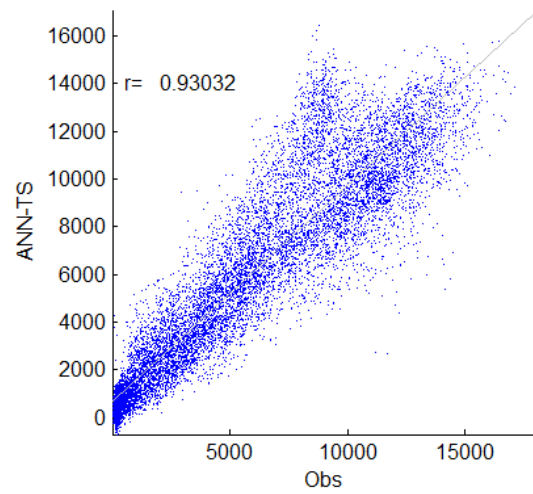


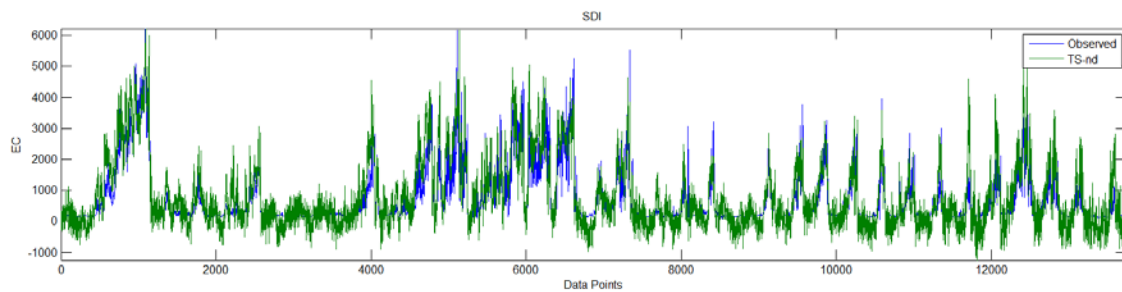
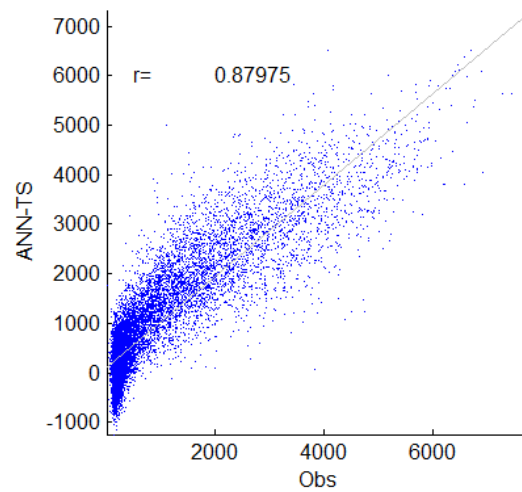
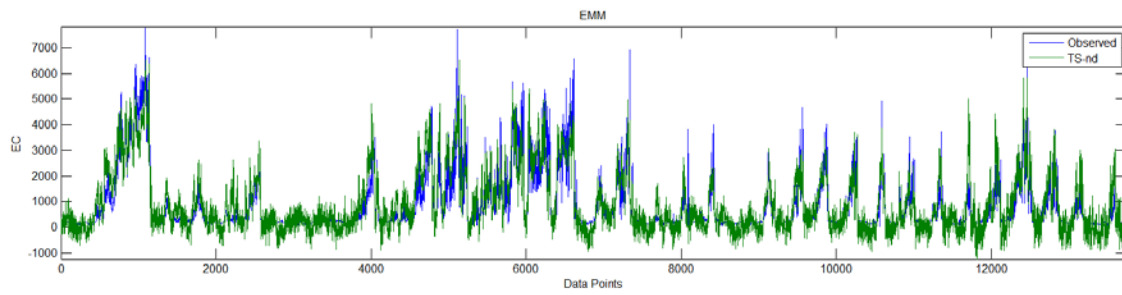


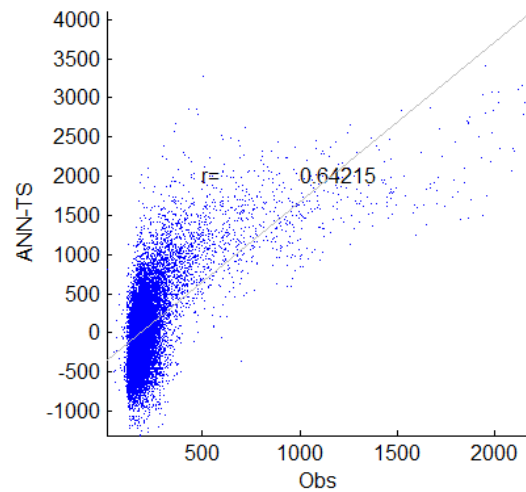
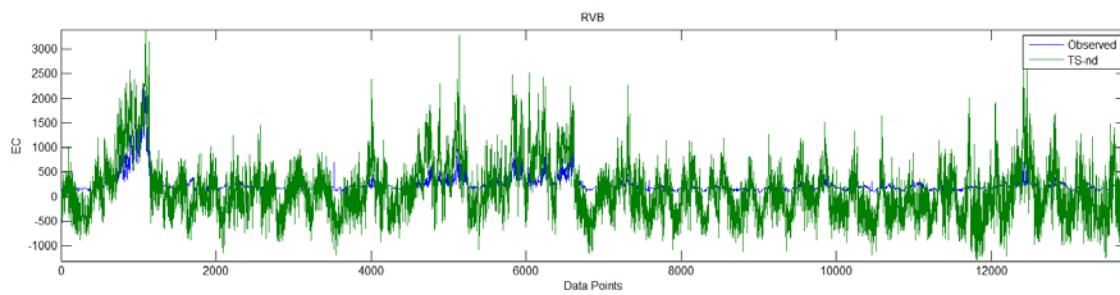
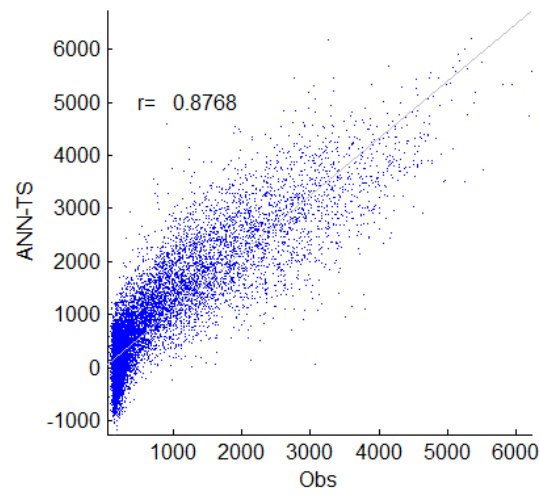
MODEL 4
3 tides

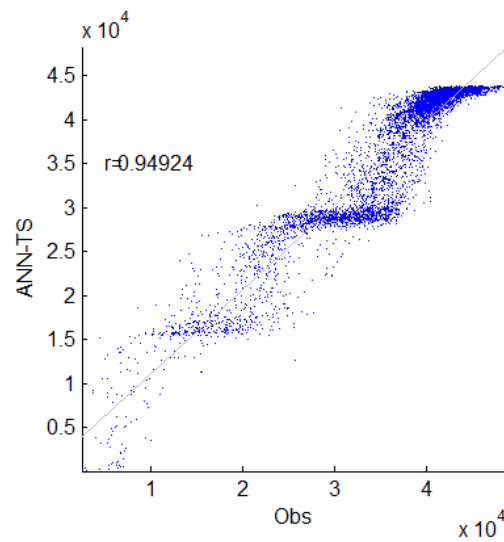
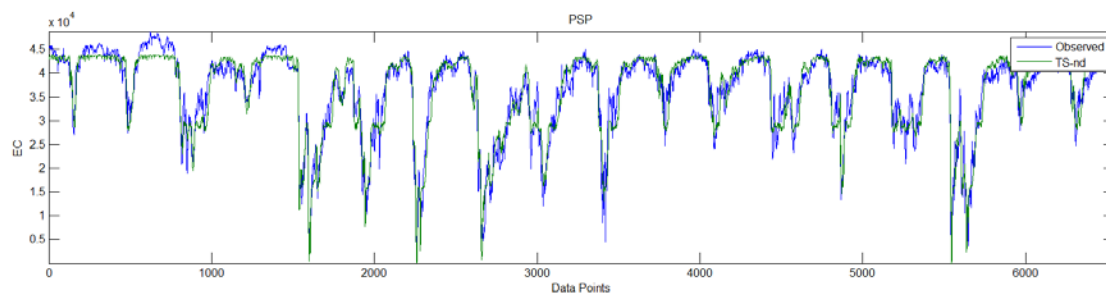


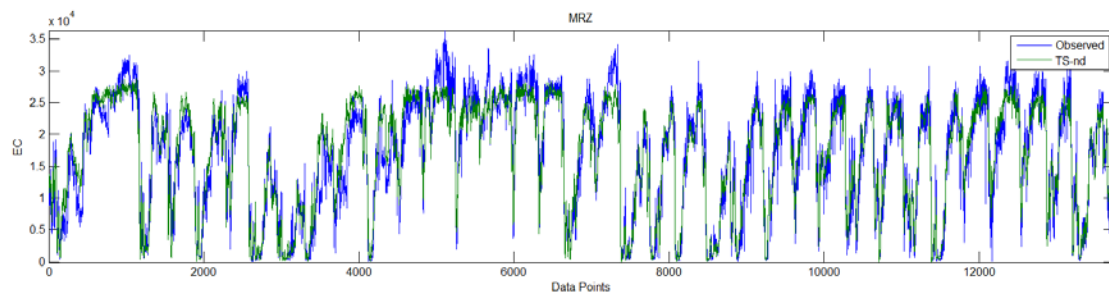
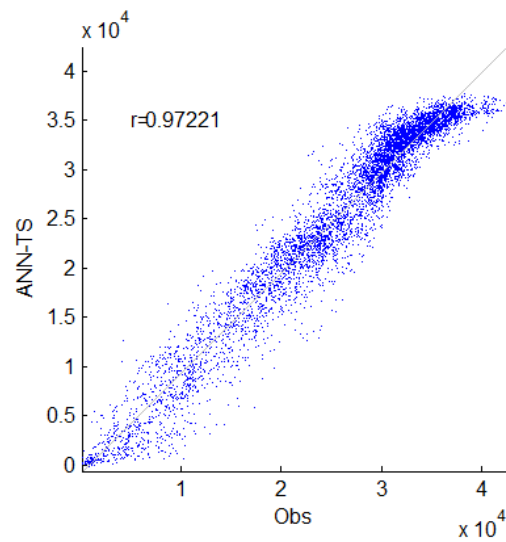
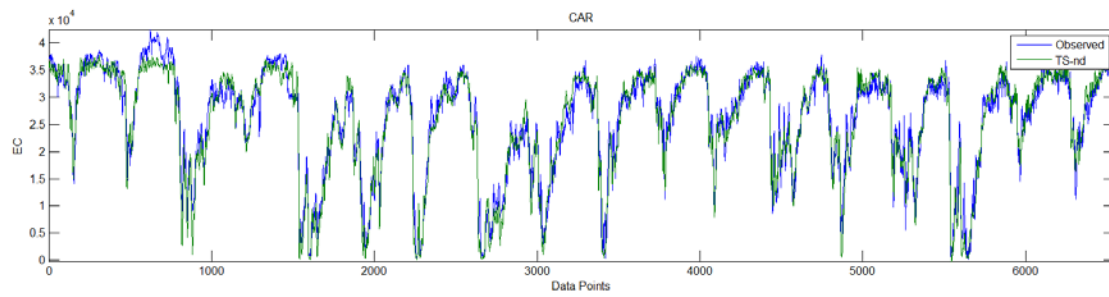


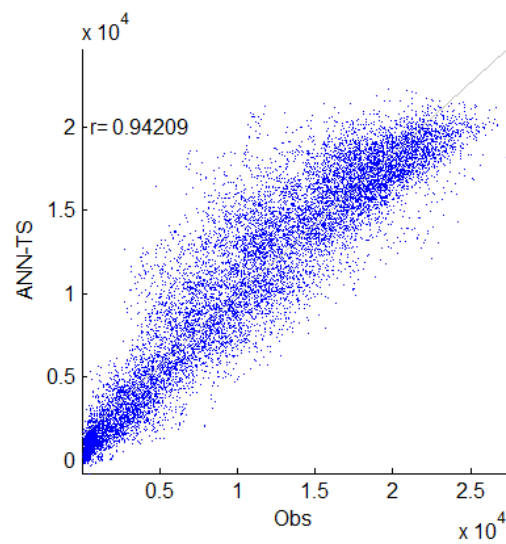
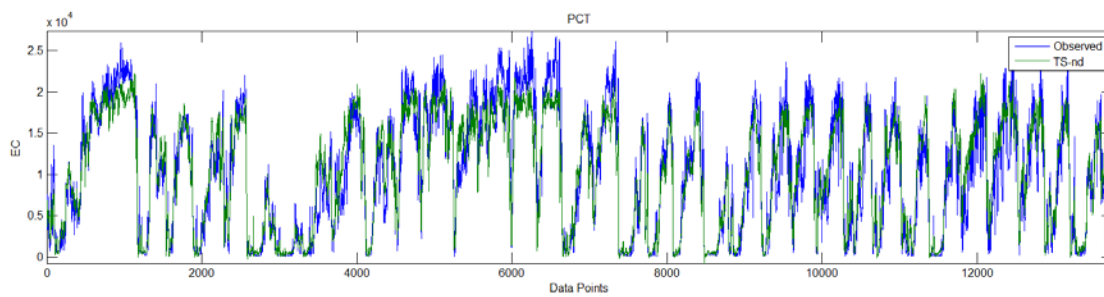
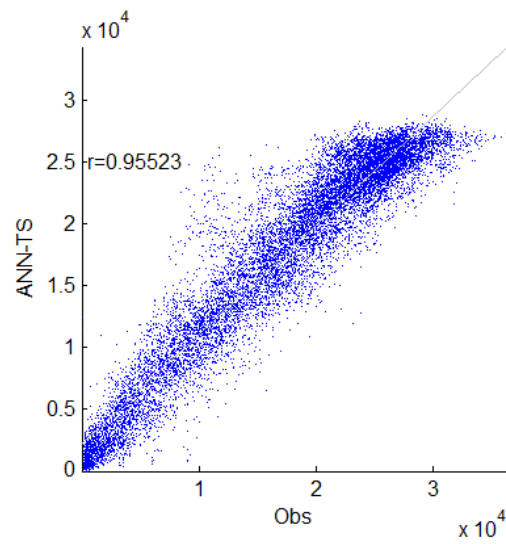


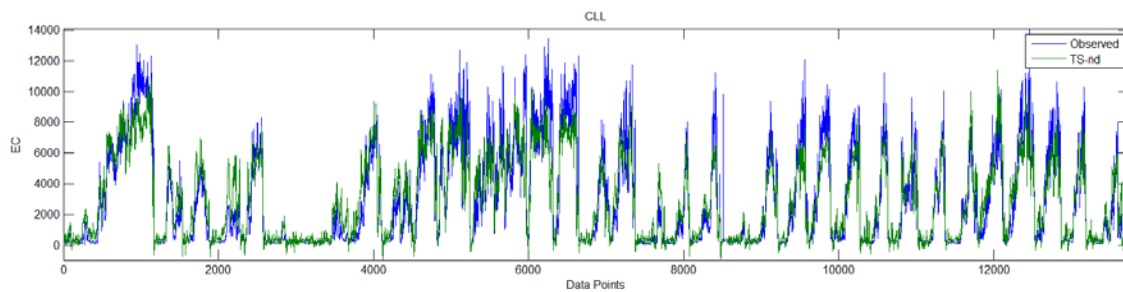
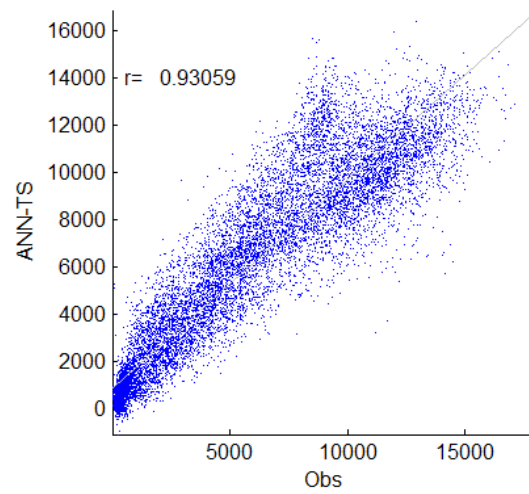
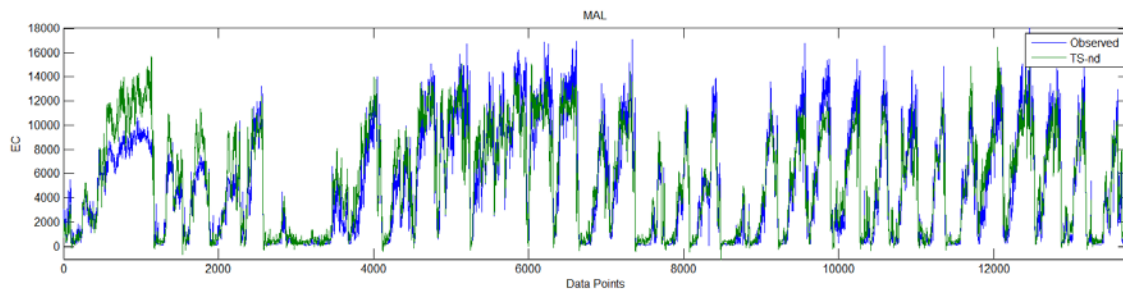


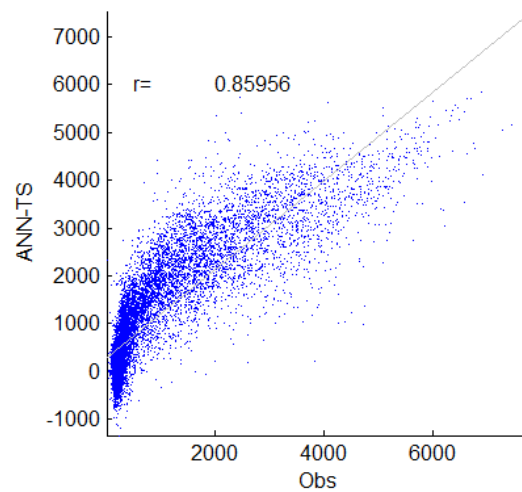
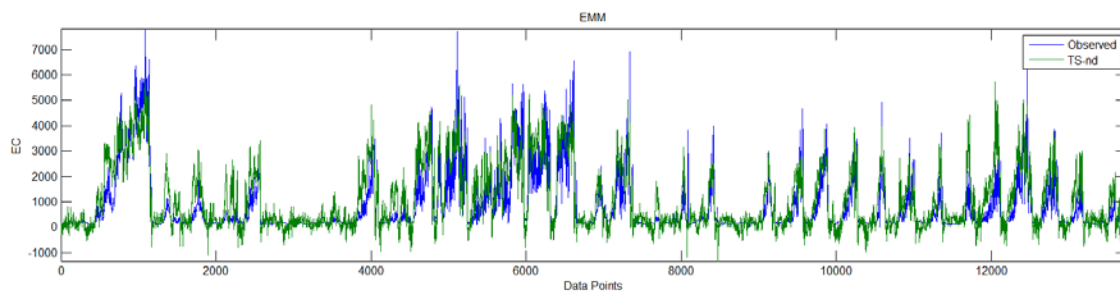
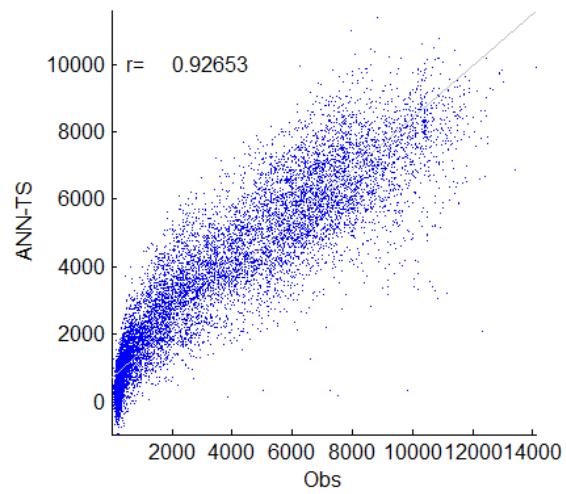


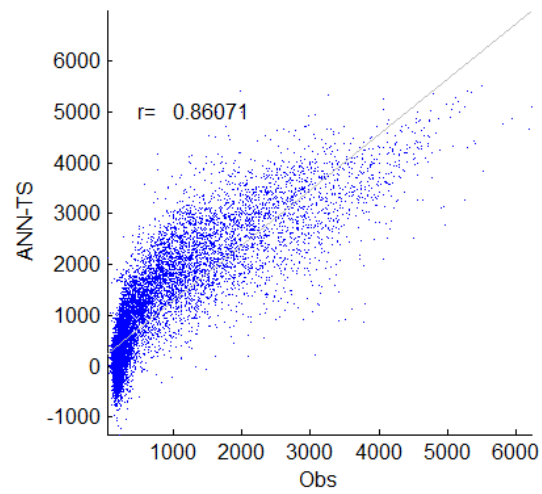
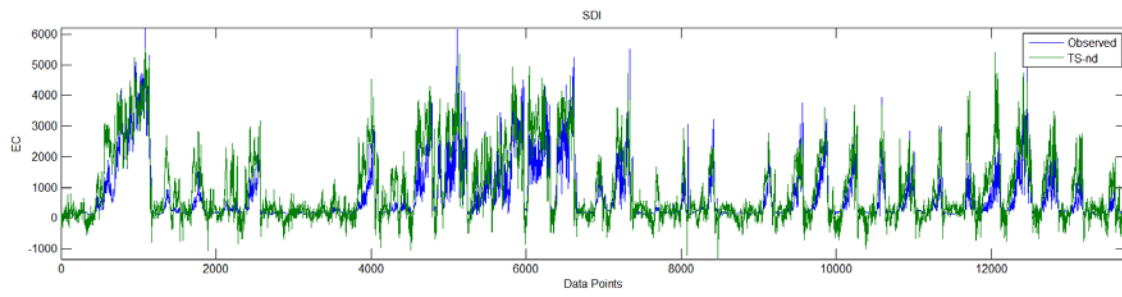
MODEL 5
2 Tide

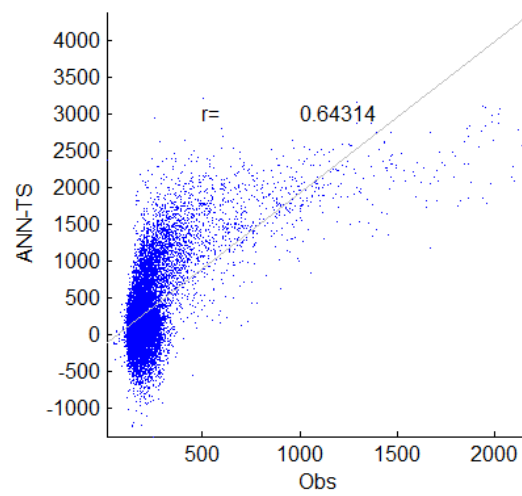
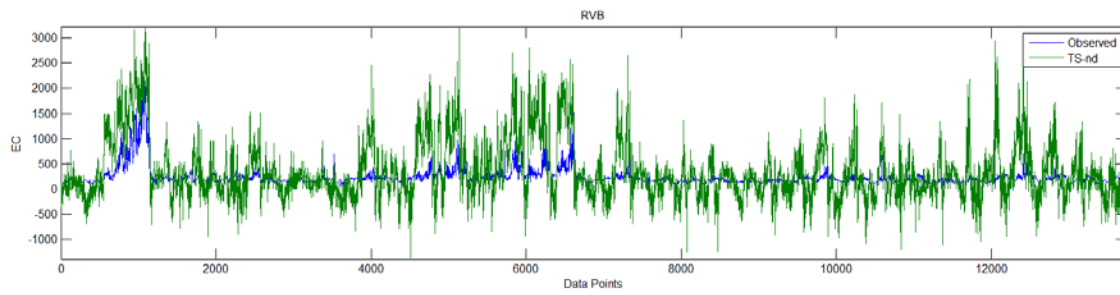


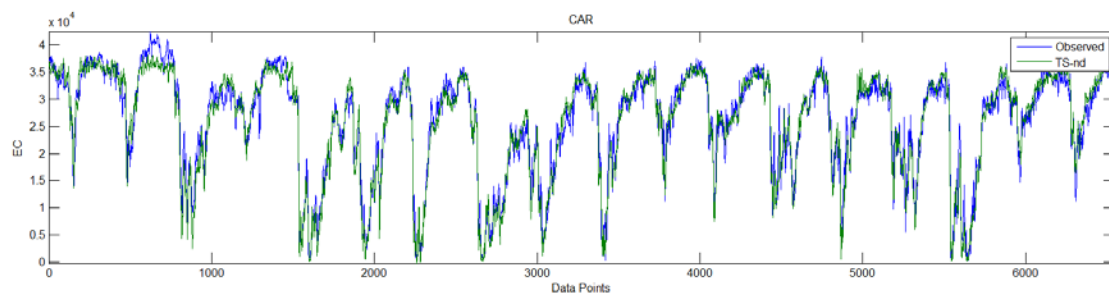
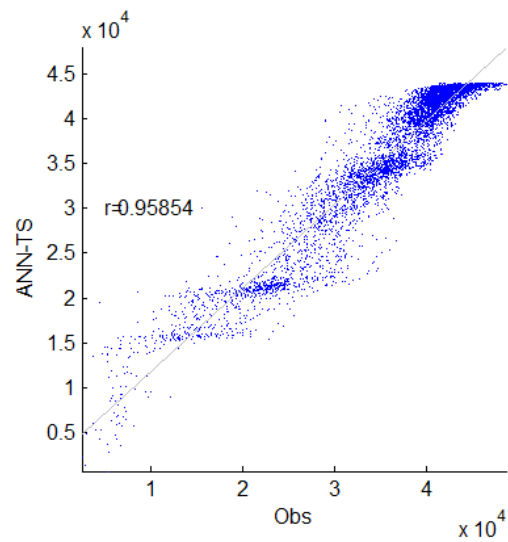
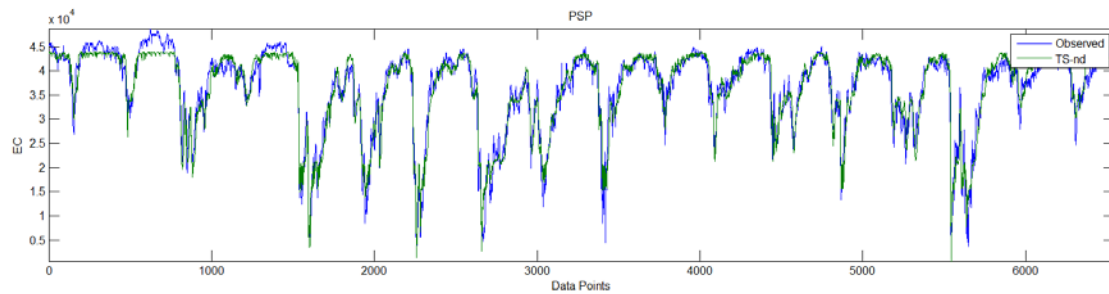


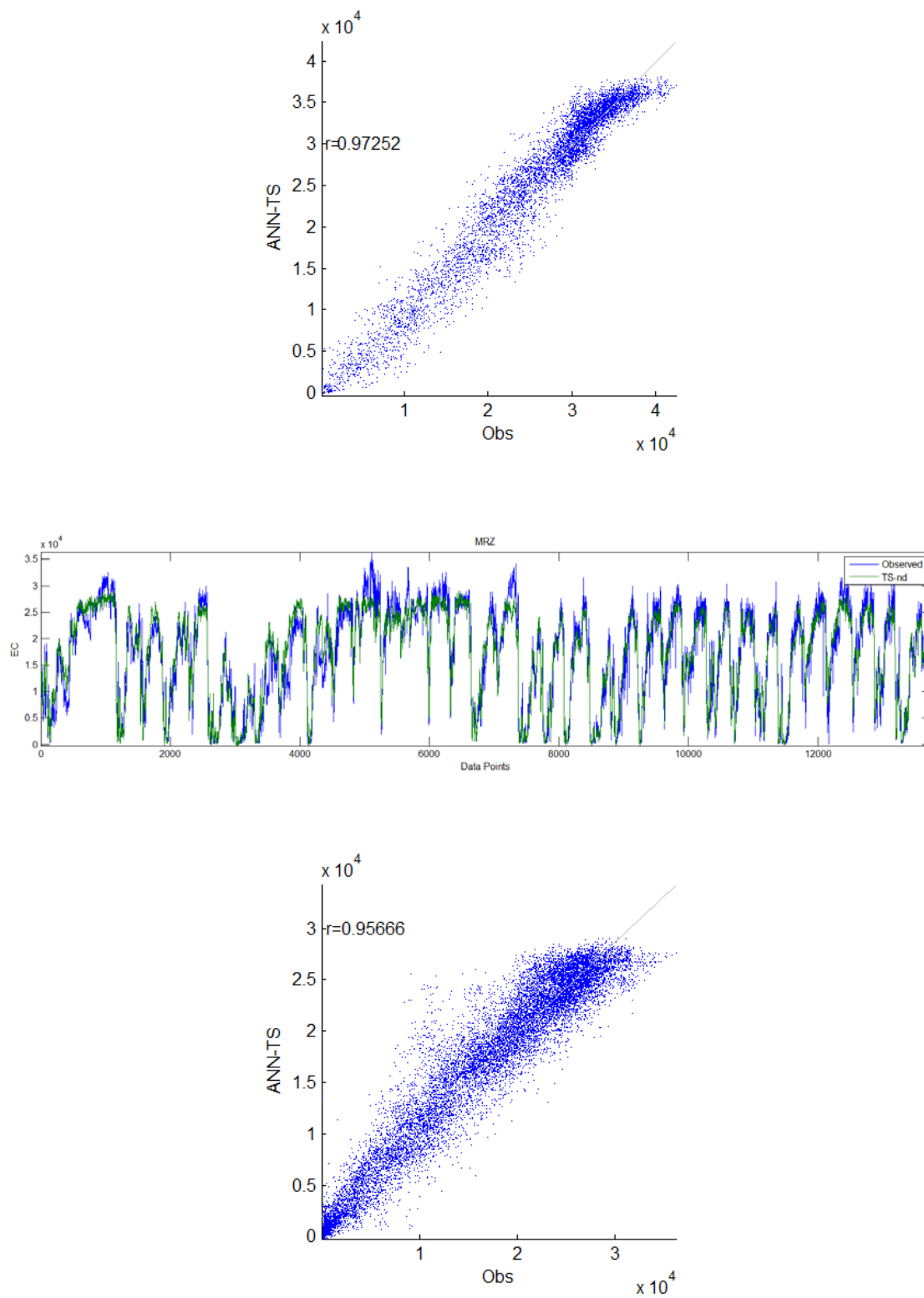


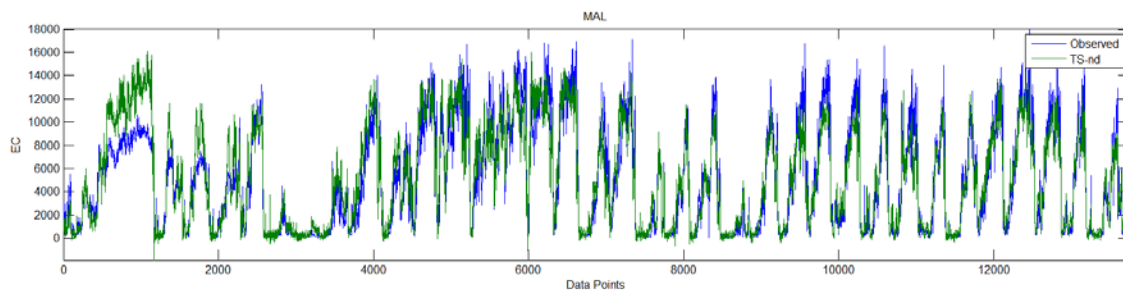
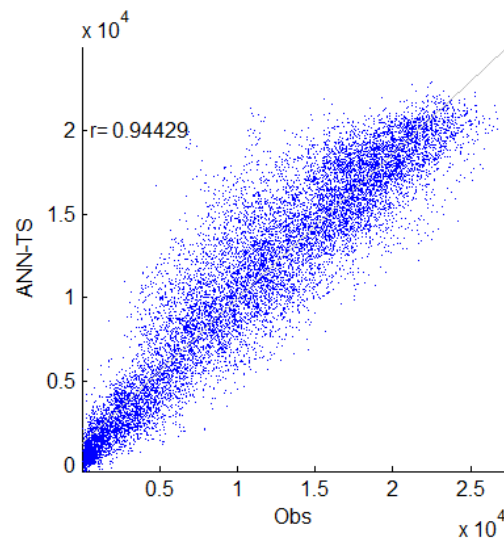
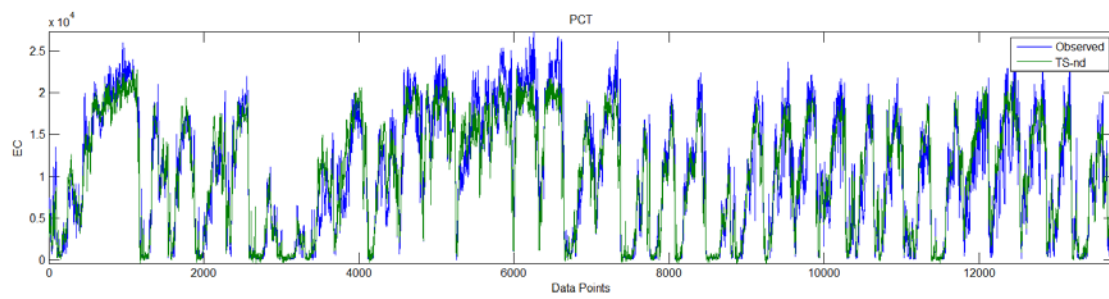


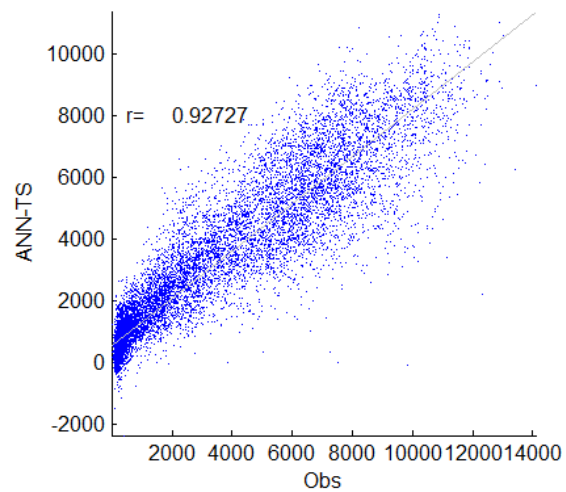
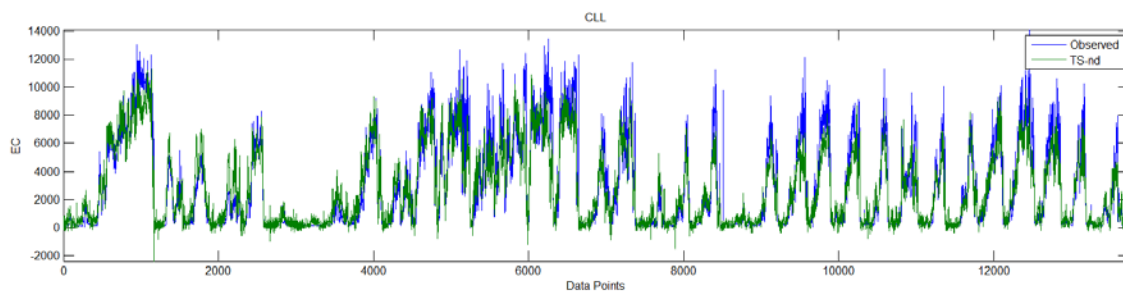
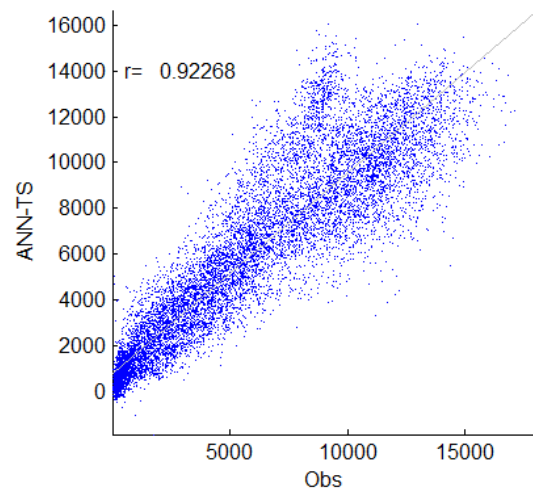


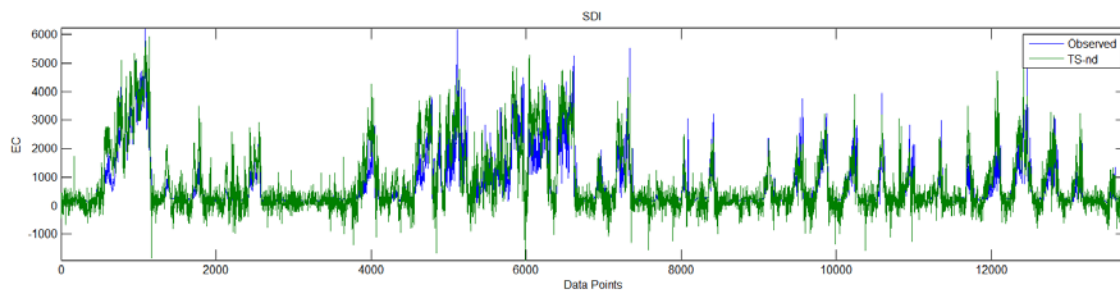
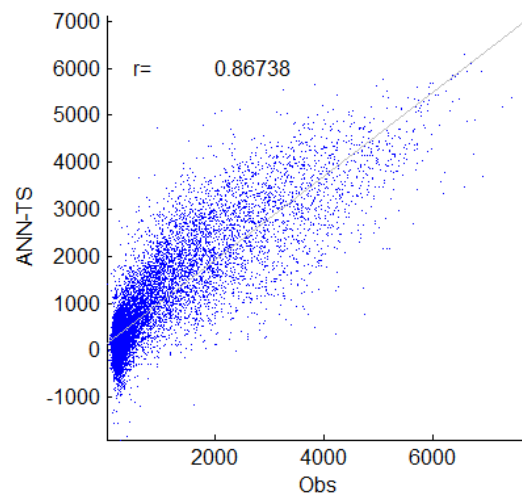
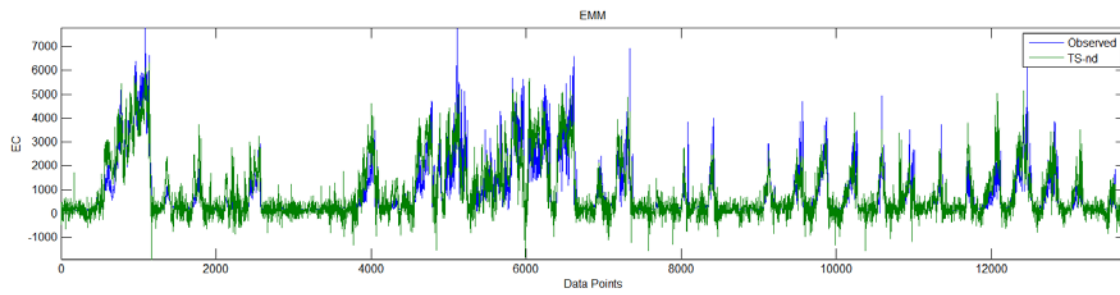


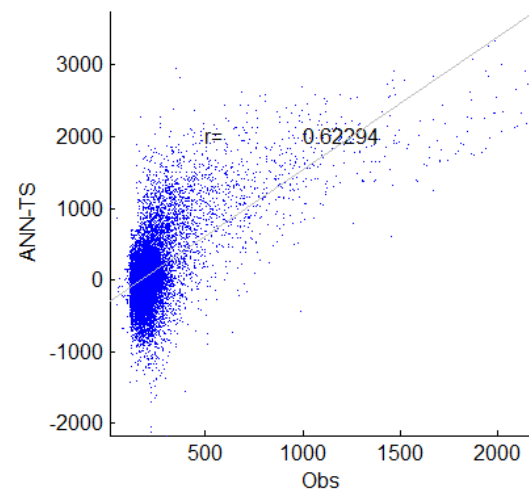
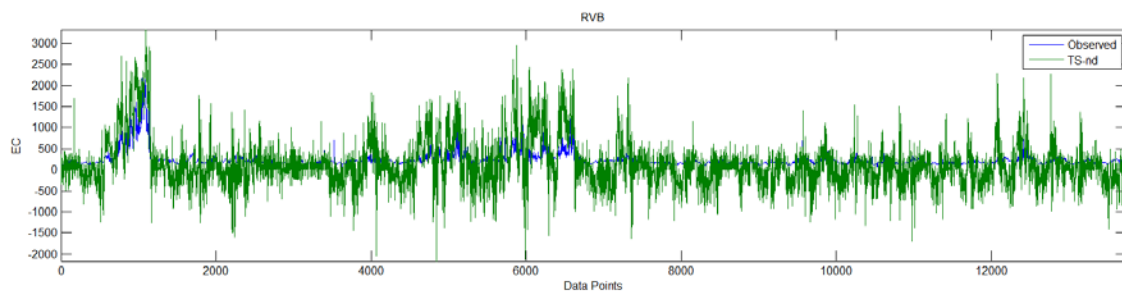
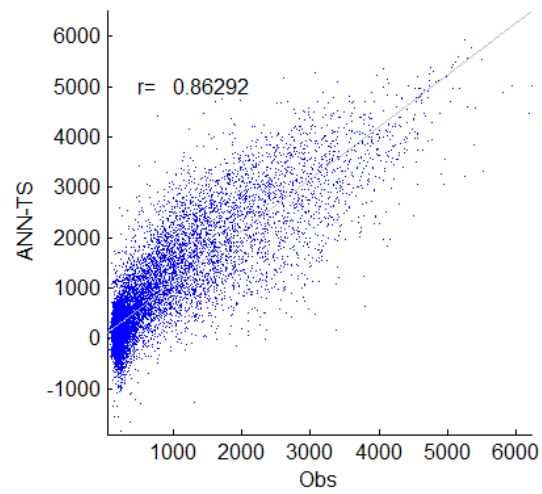
MODEL 6**1 Tide**

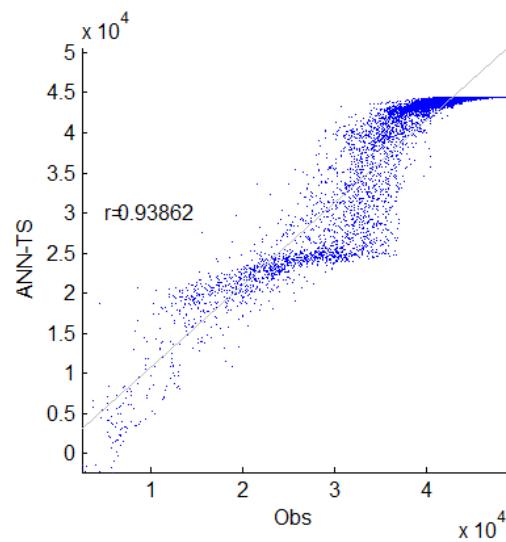
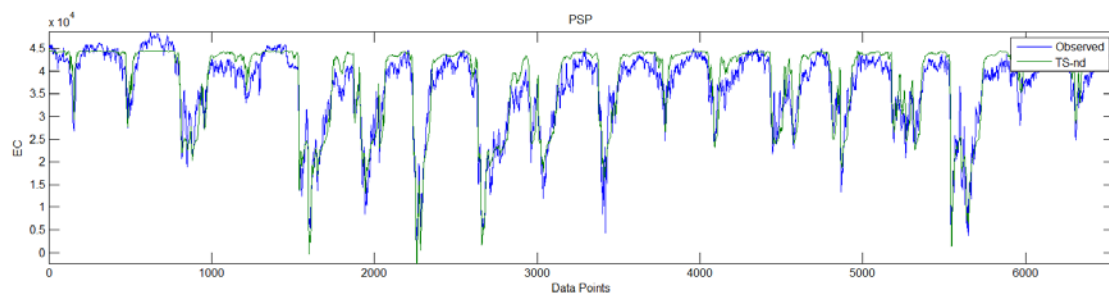


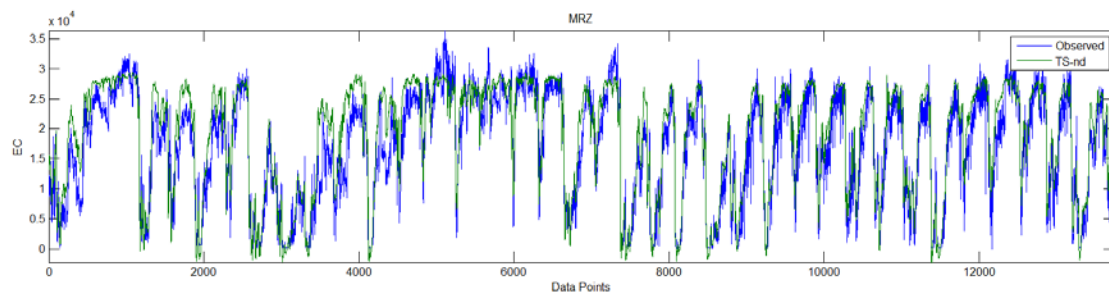
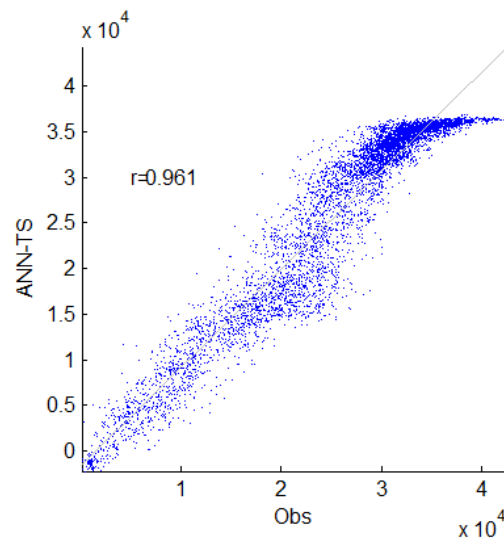
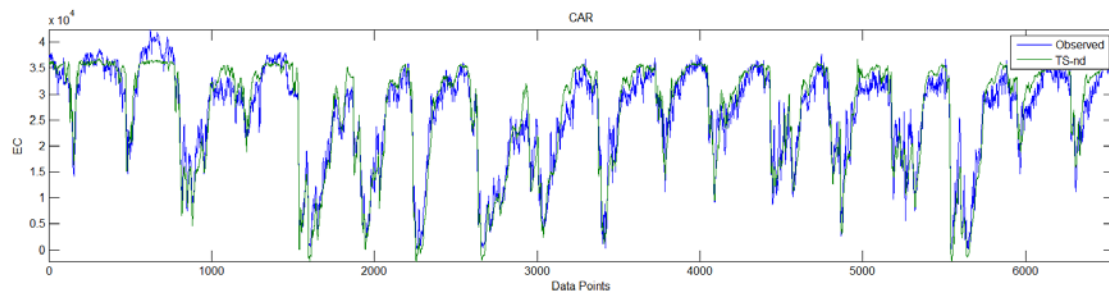


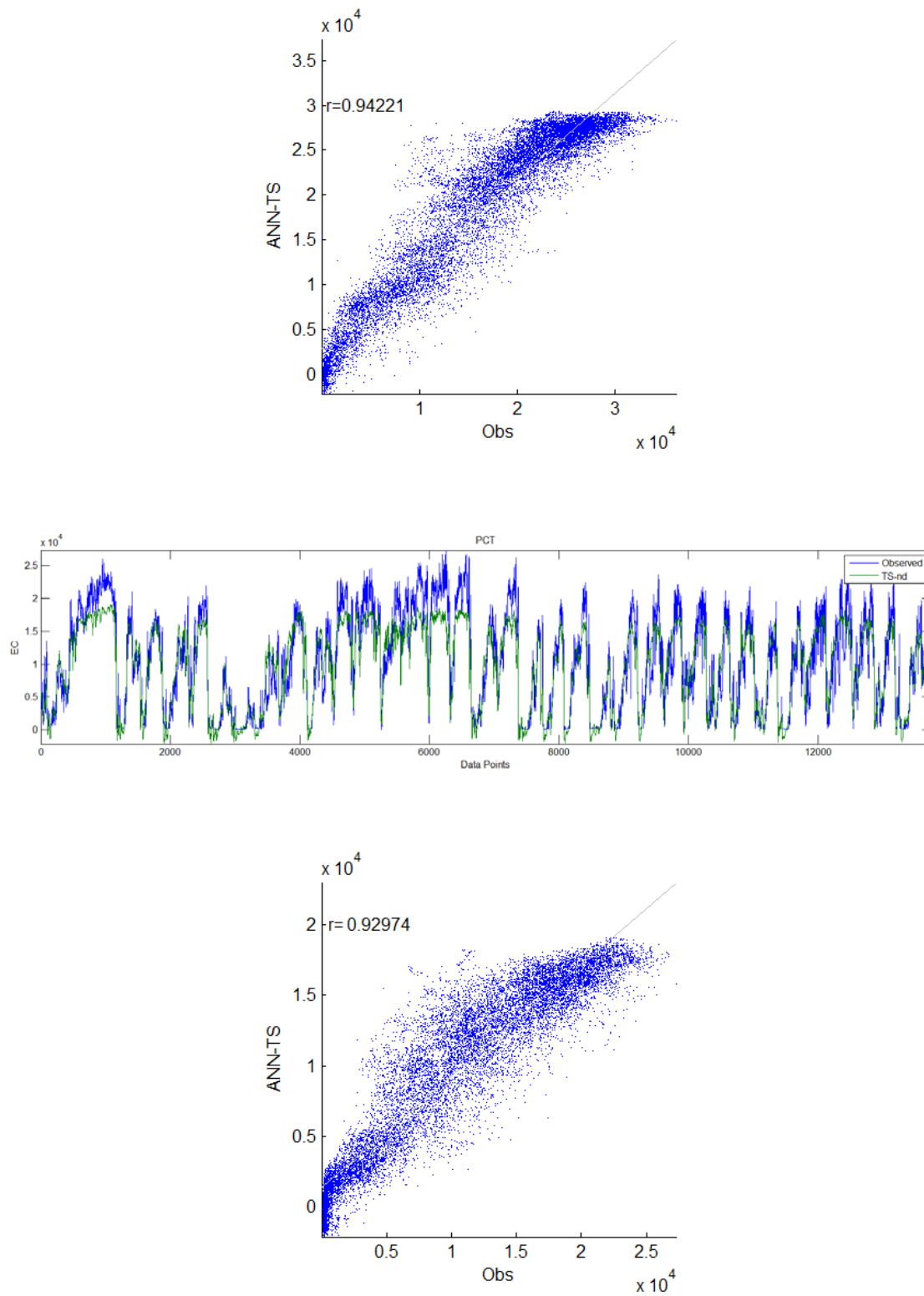


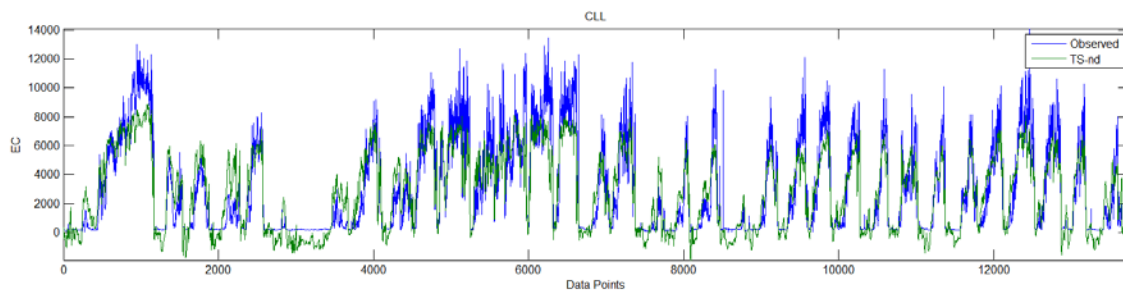
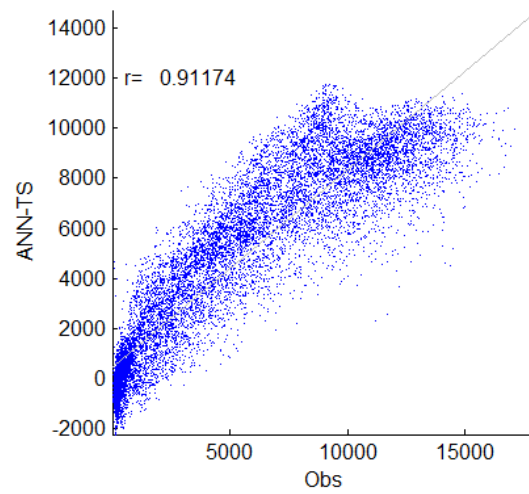
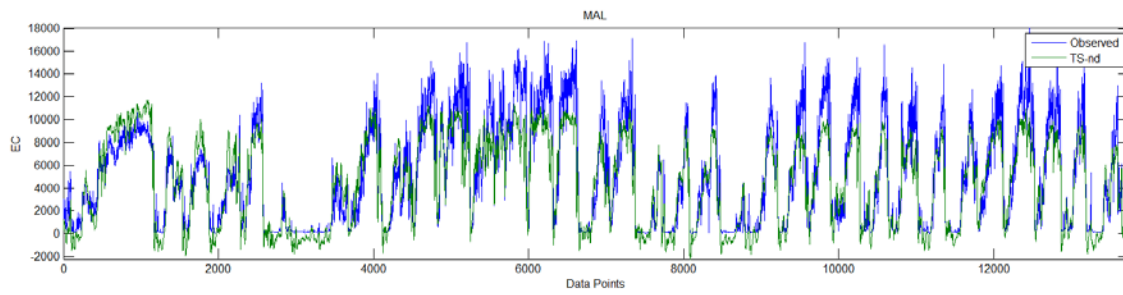


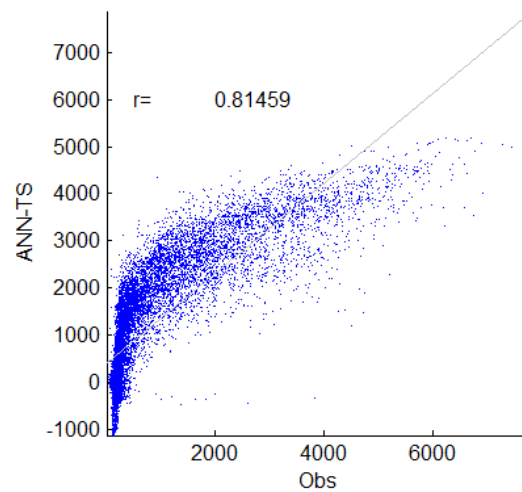
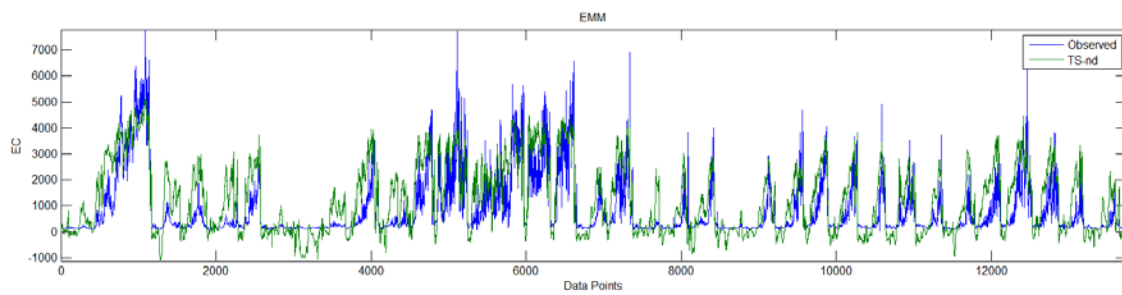
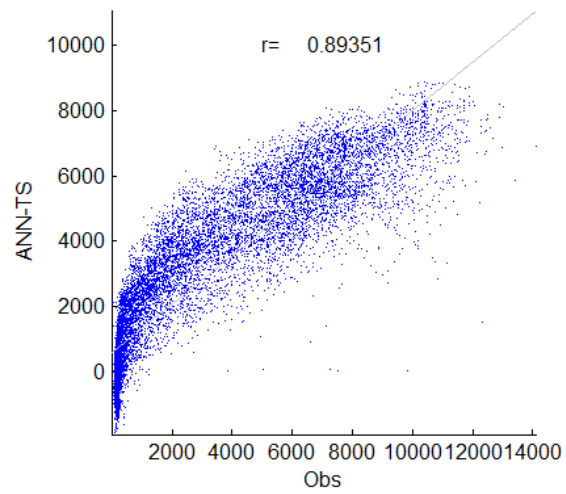


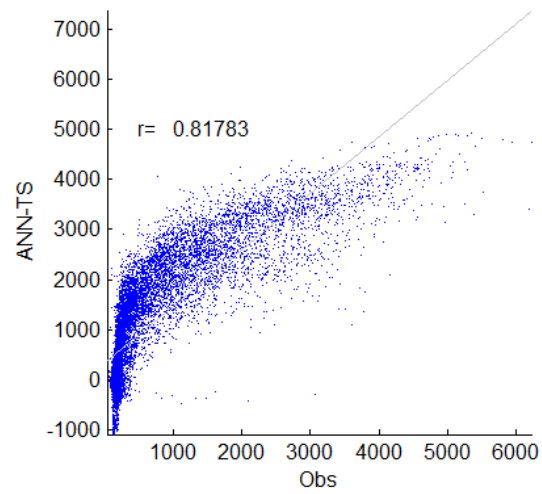
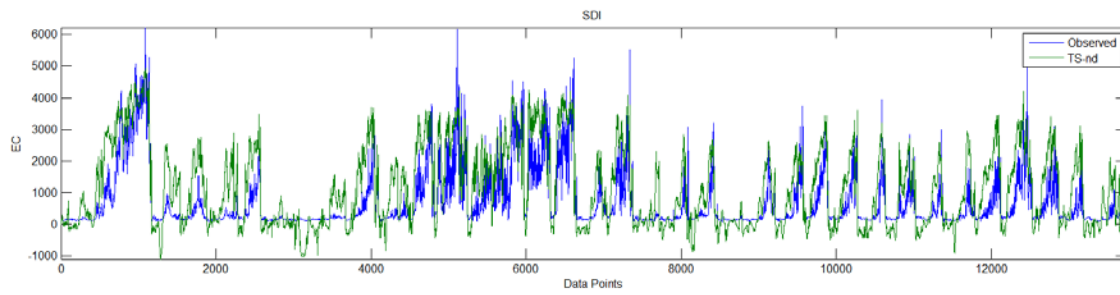
MODEL 7
No Tide

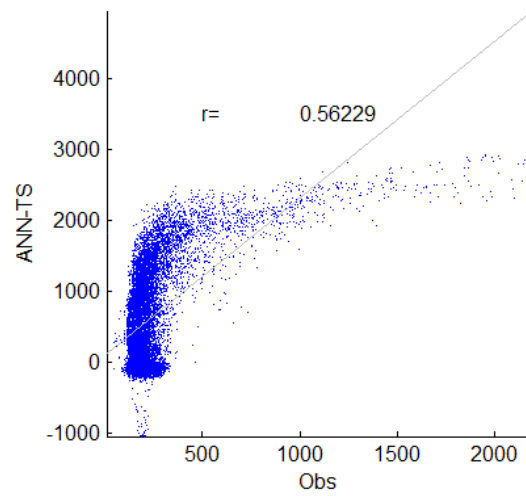
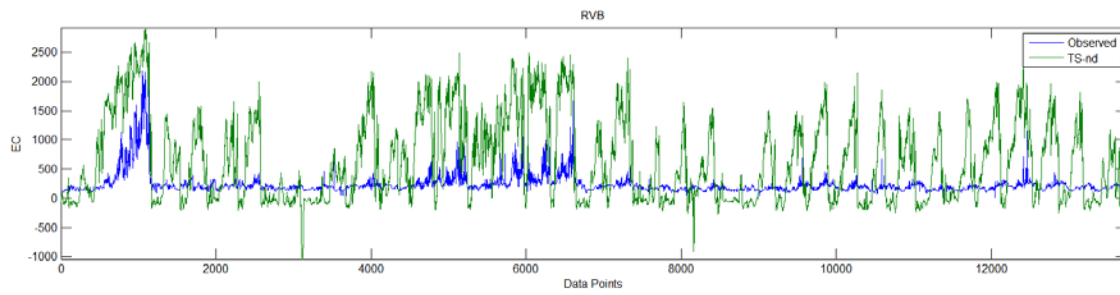


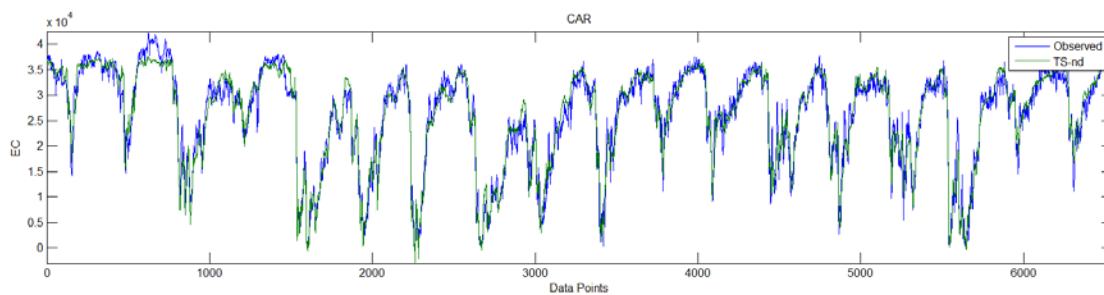
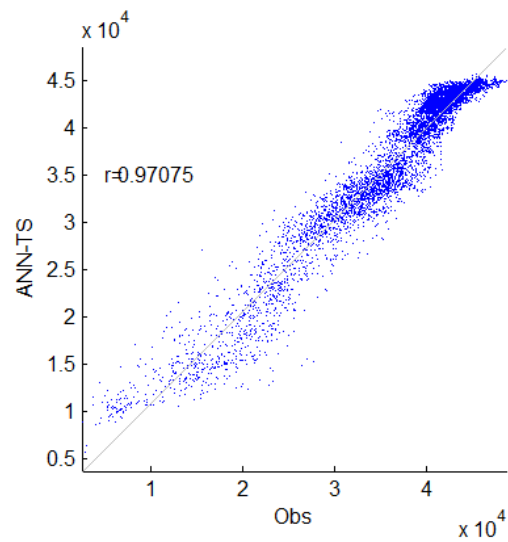
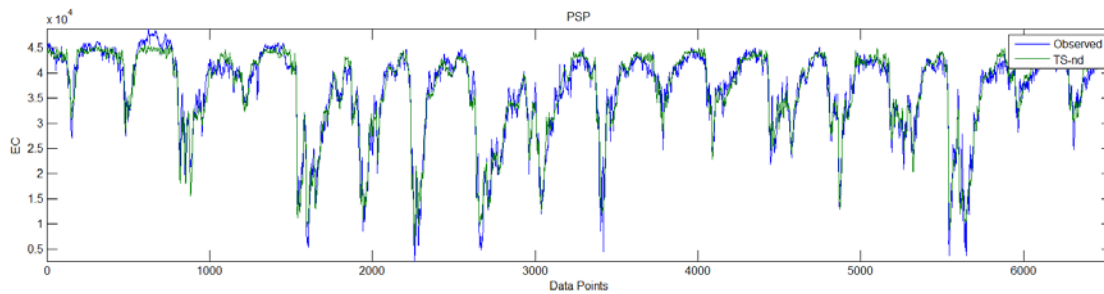


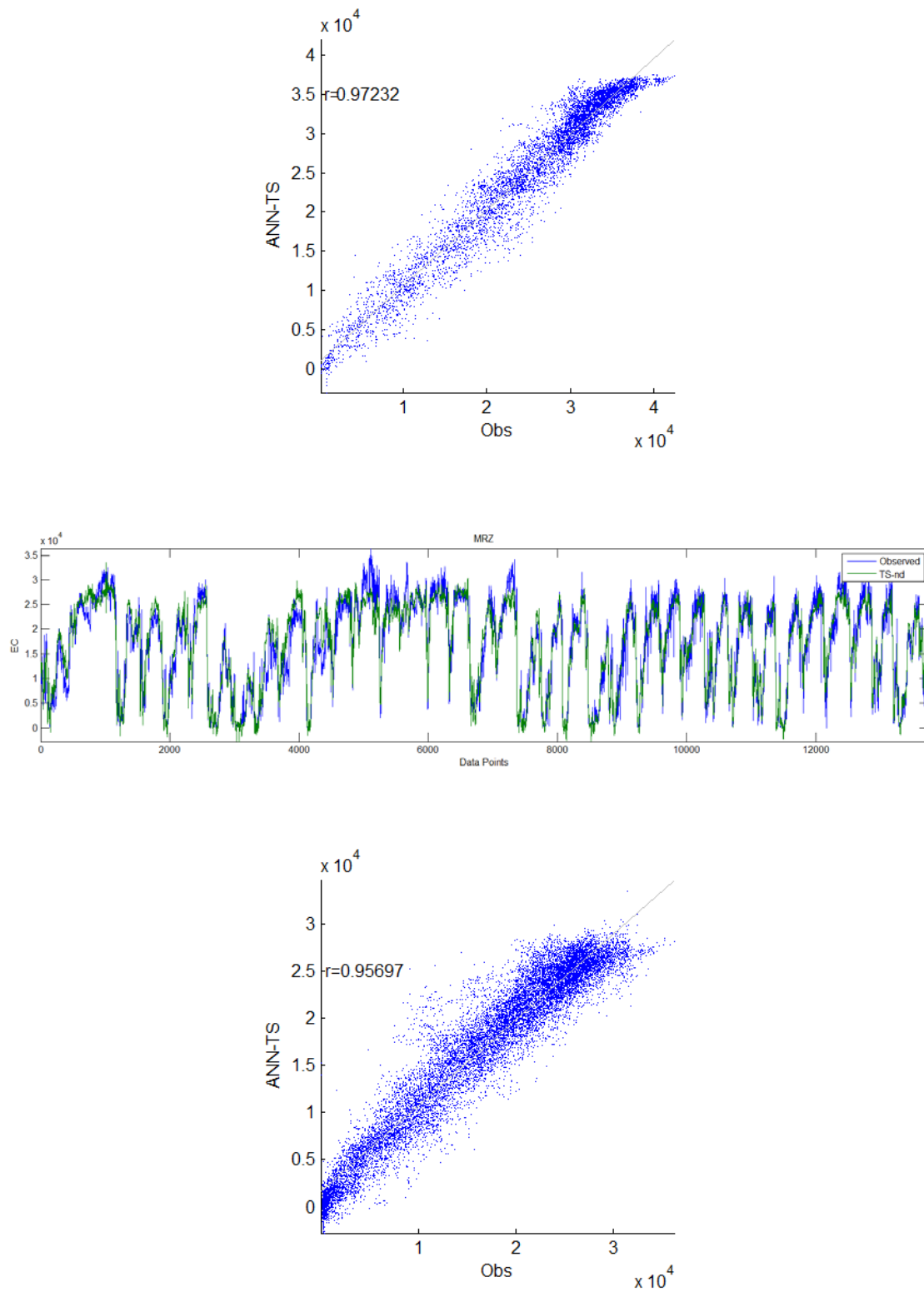


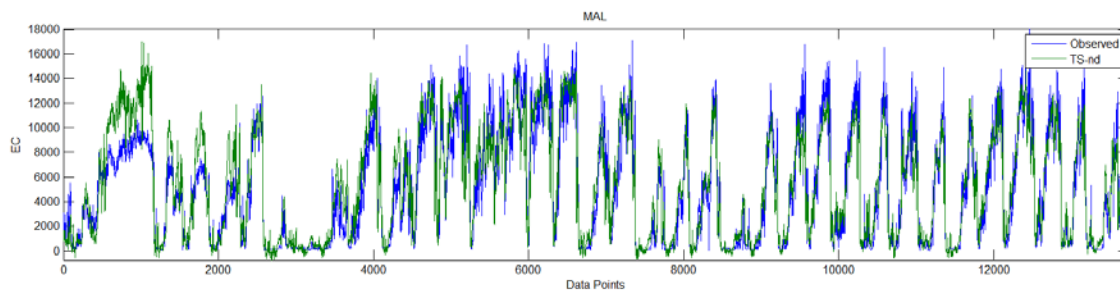
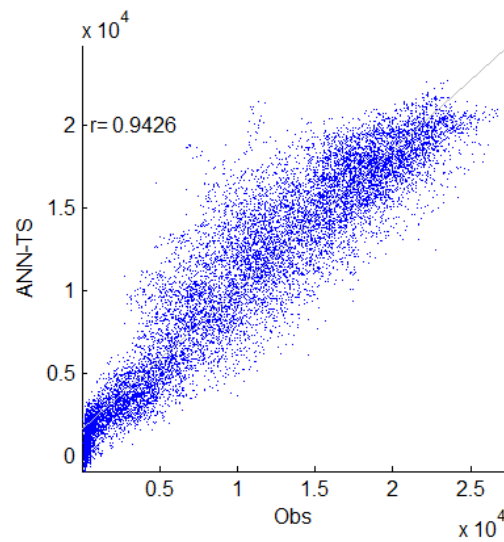
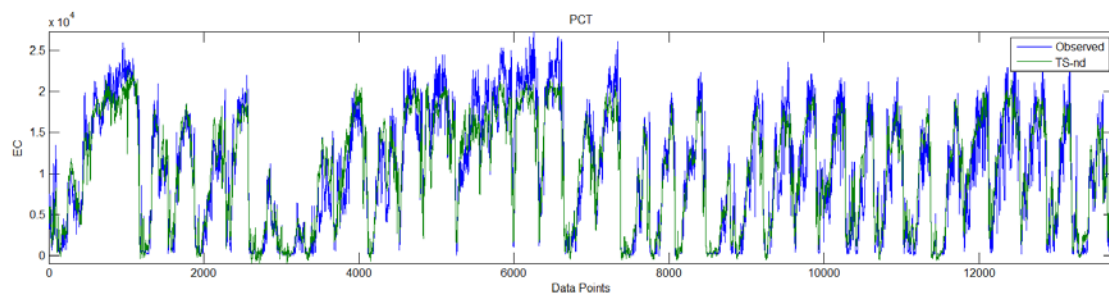


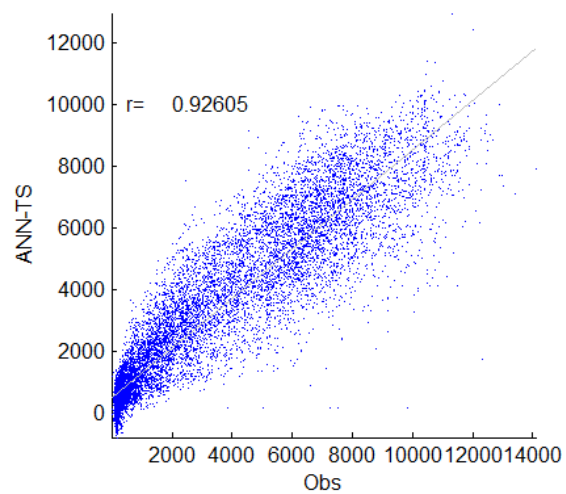
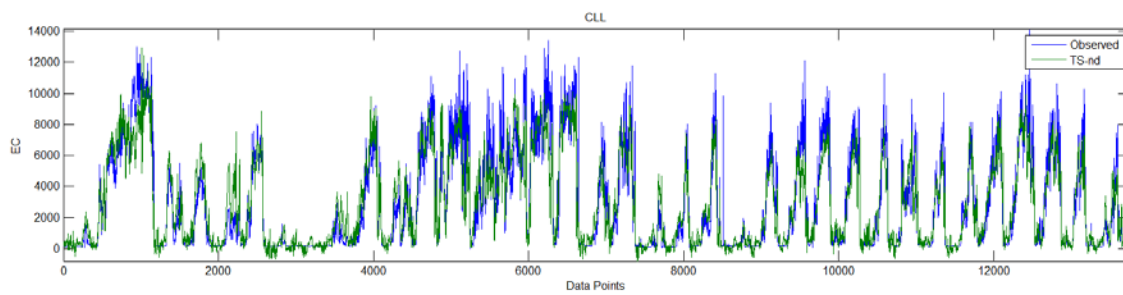
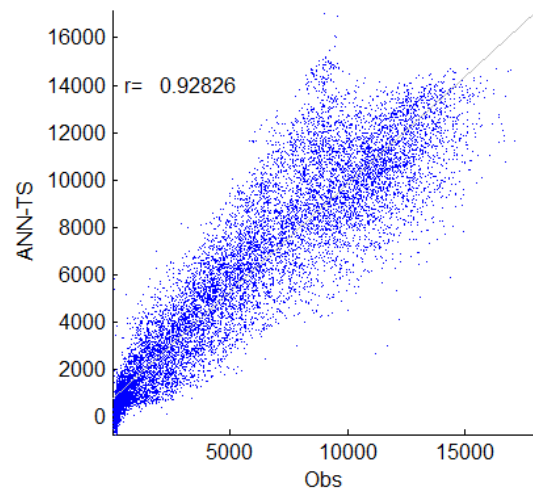


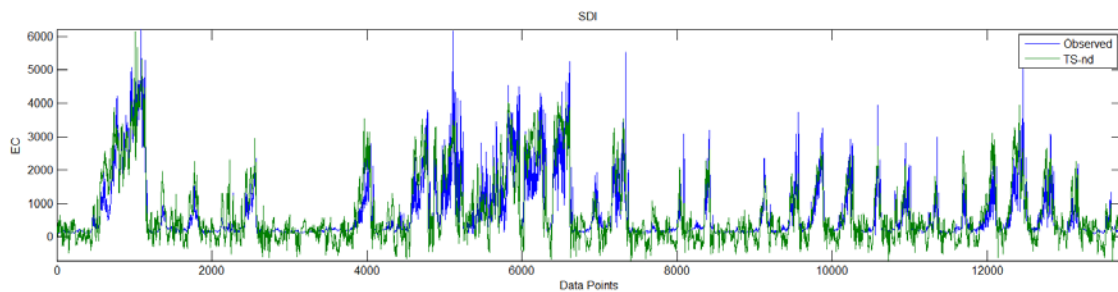
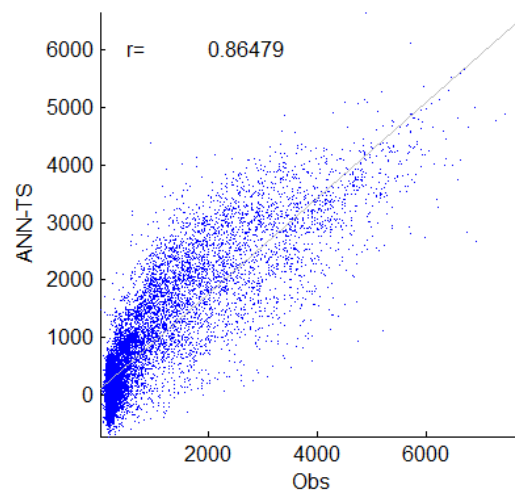
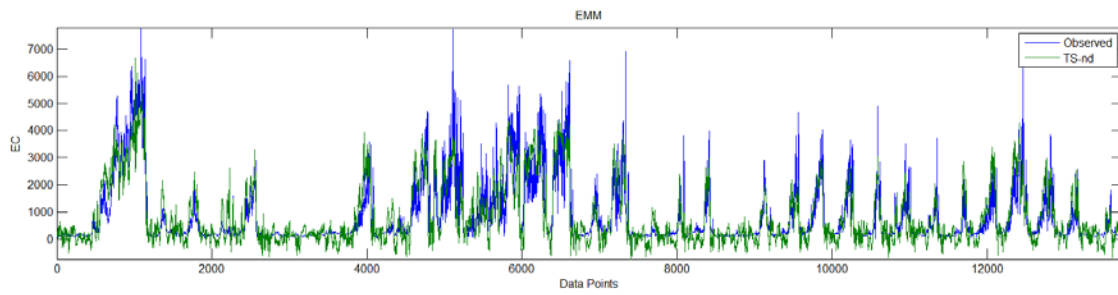


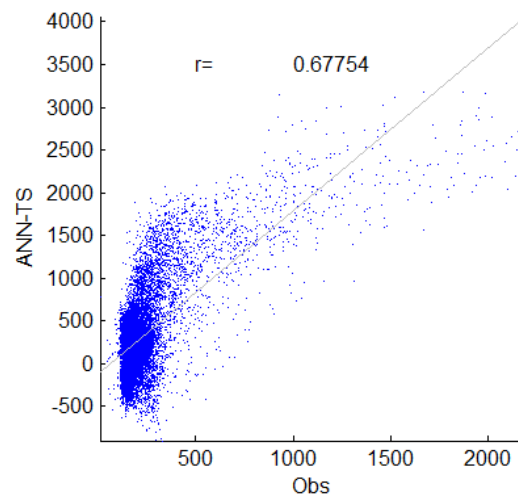
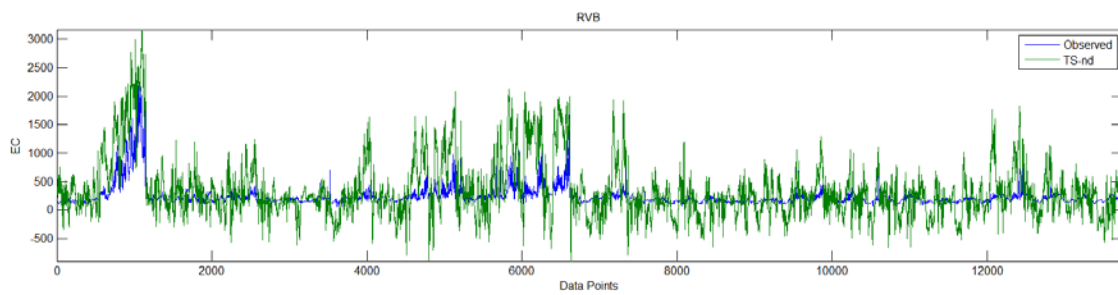
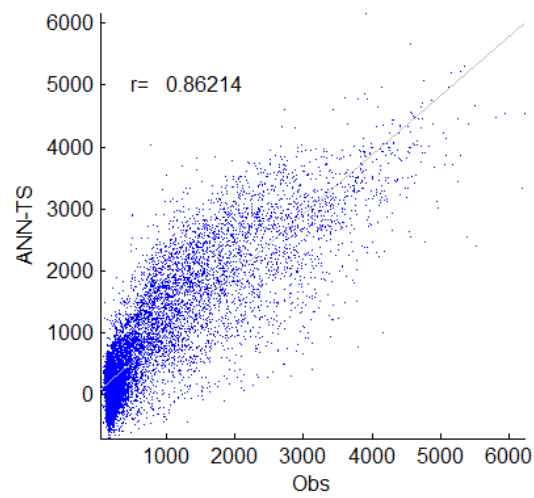
MODEL 8**Actual Tide at Golden Gate (MSL)**





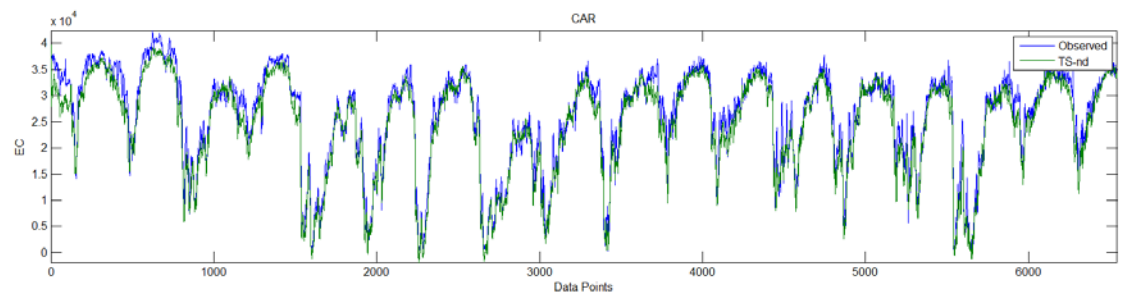
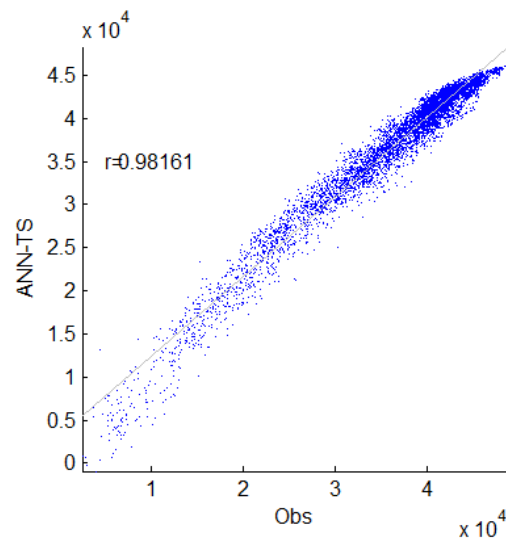
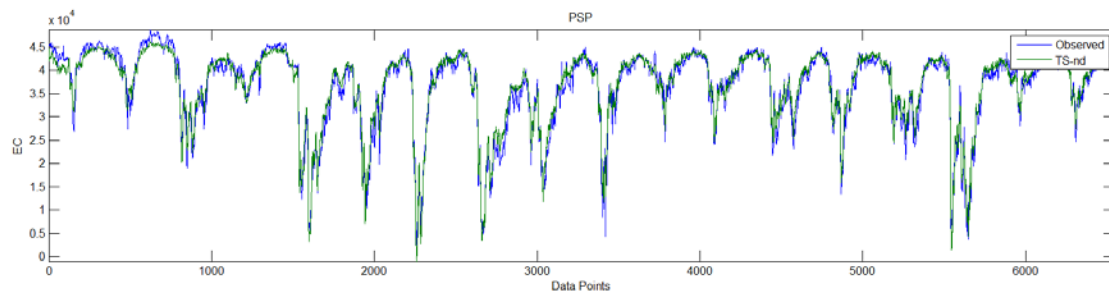


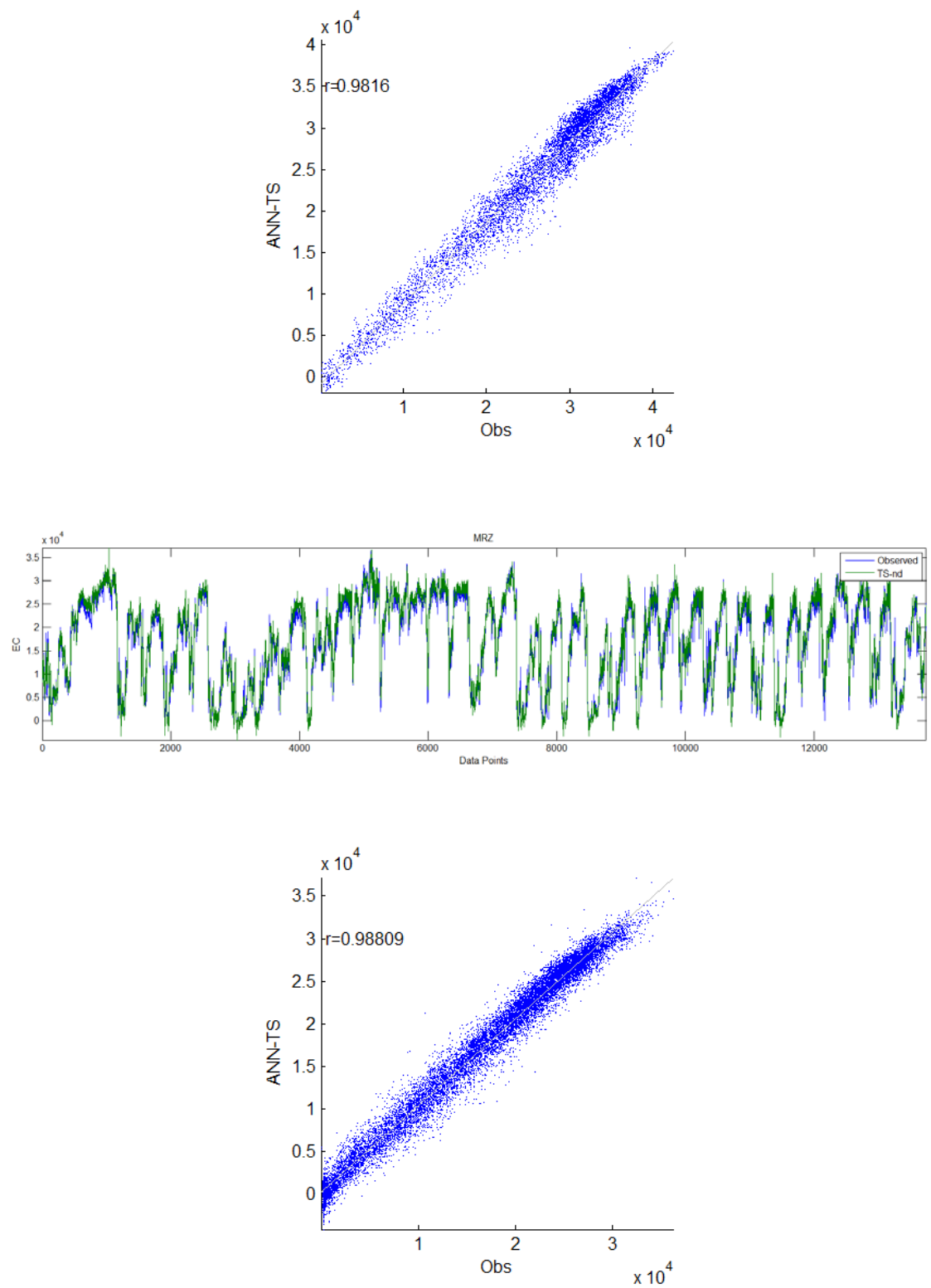


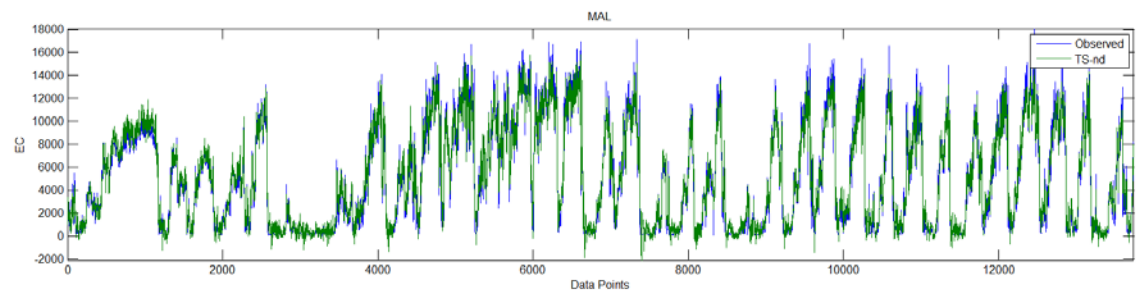
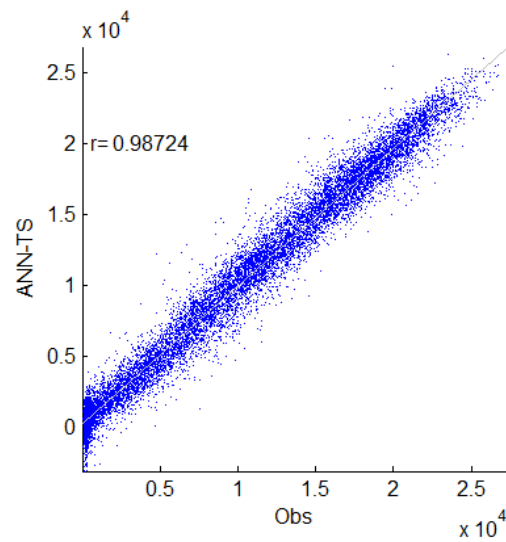
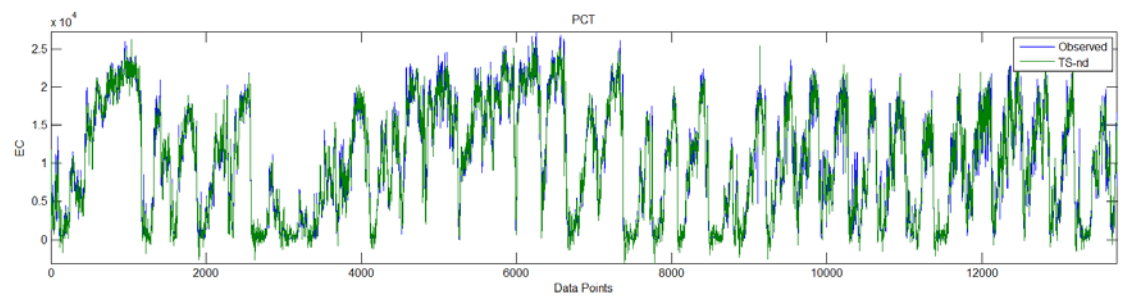


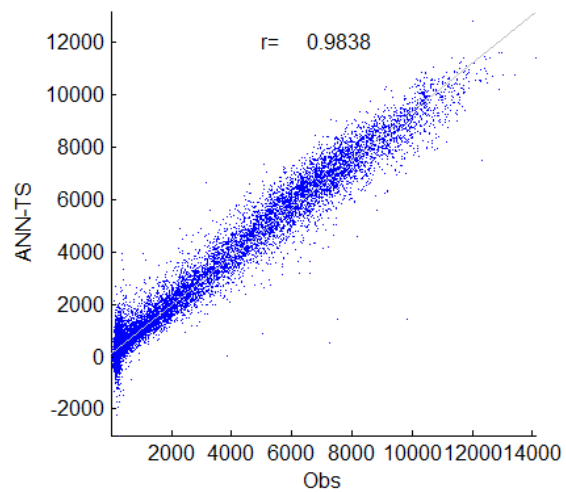
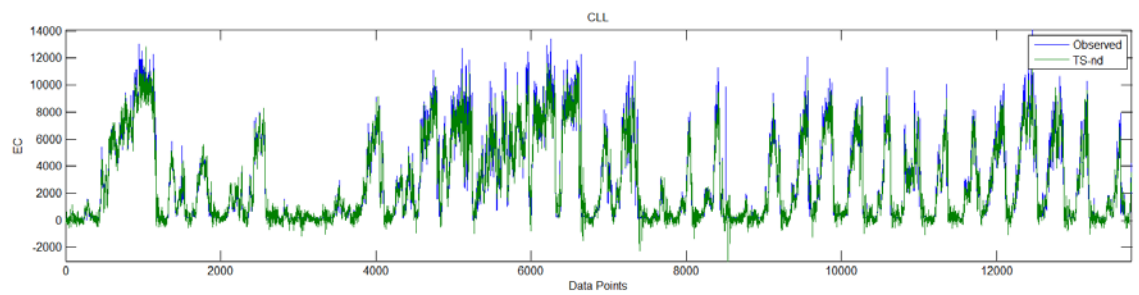
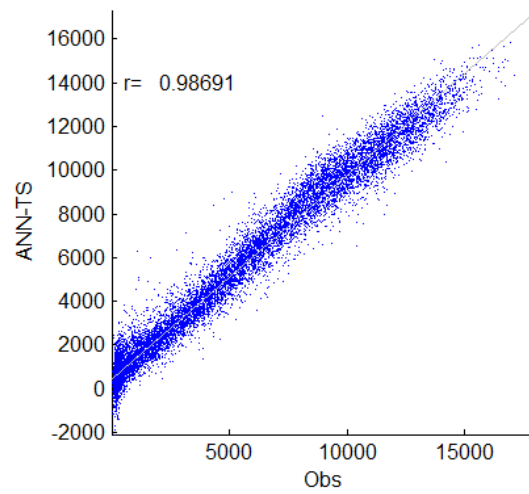
MODEL 9

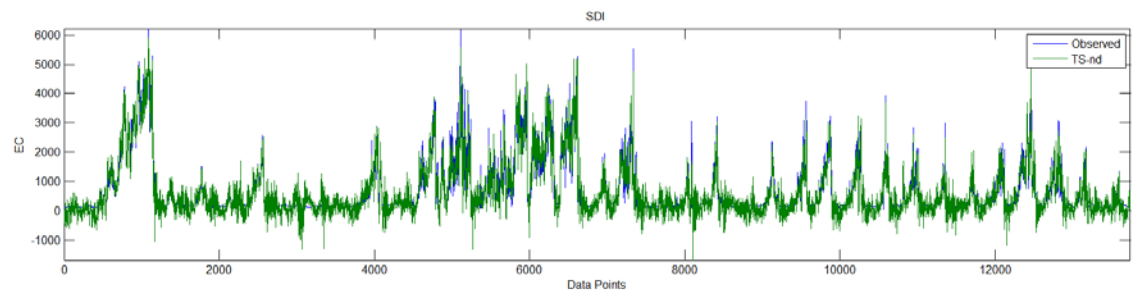
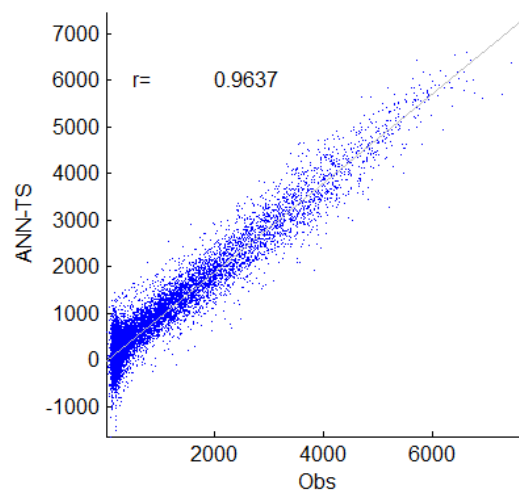
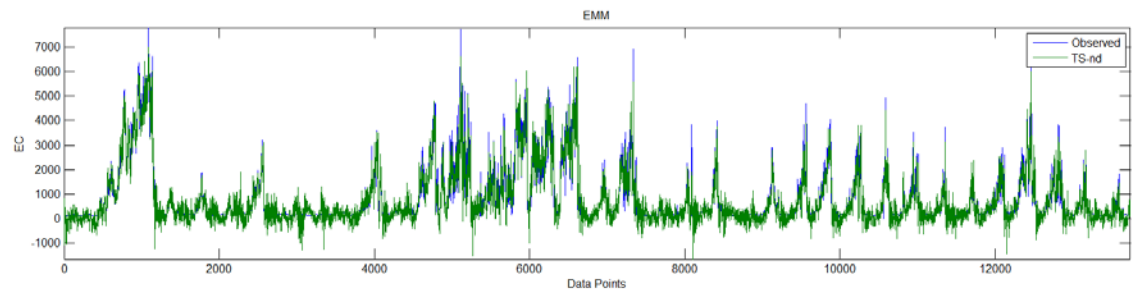
30-Day antecedent salinity input

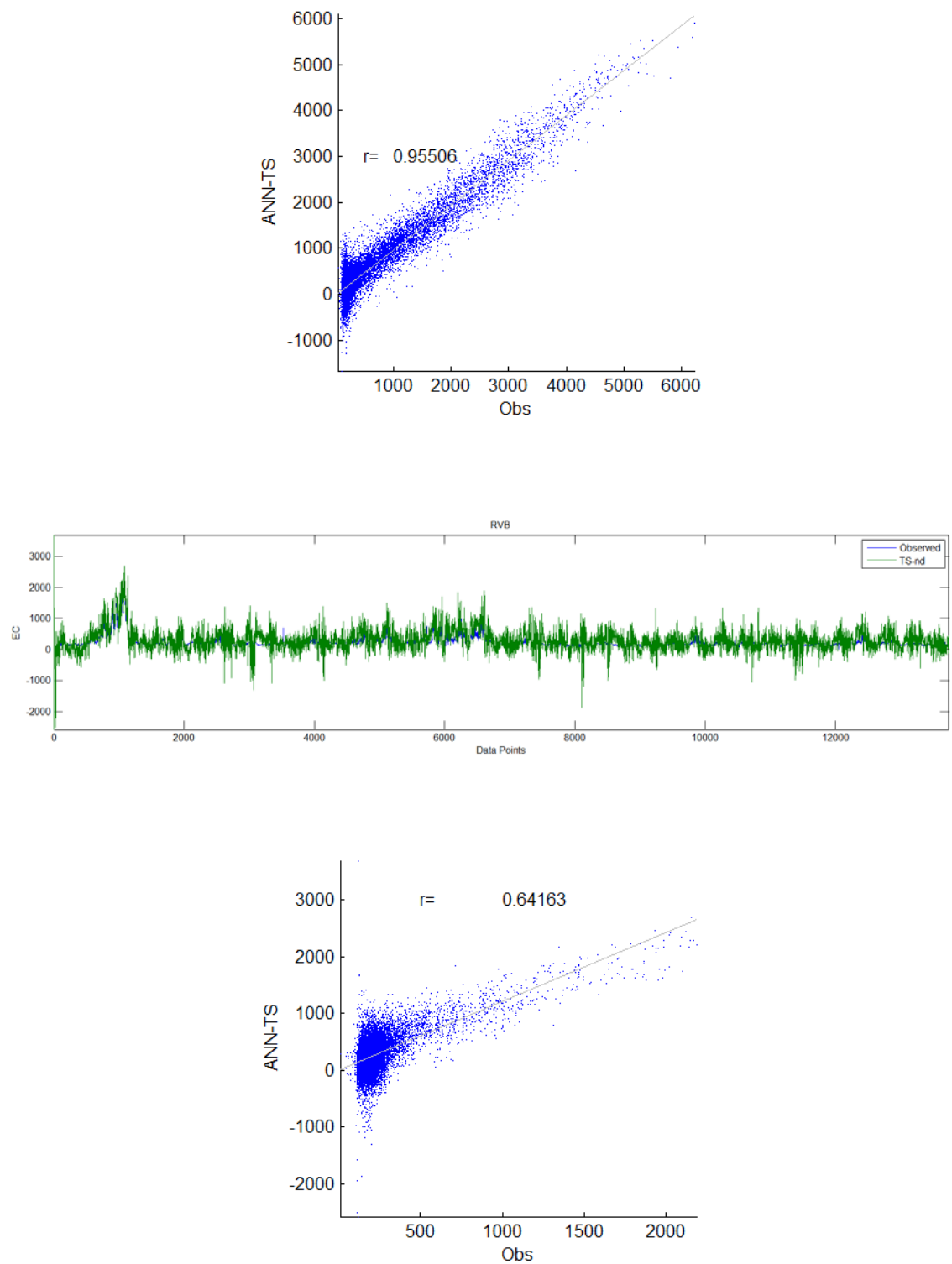


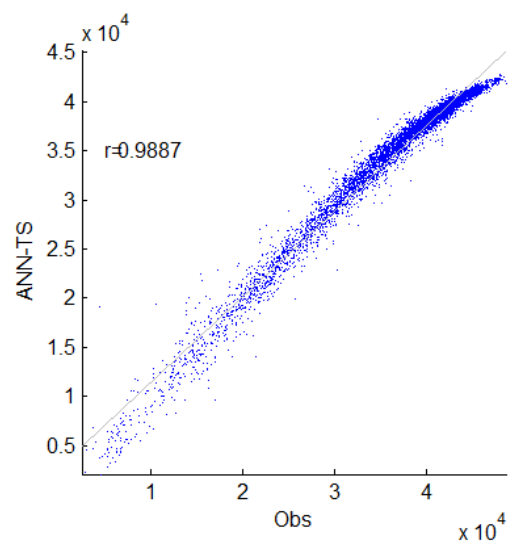
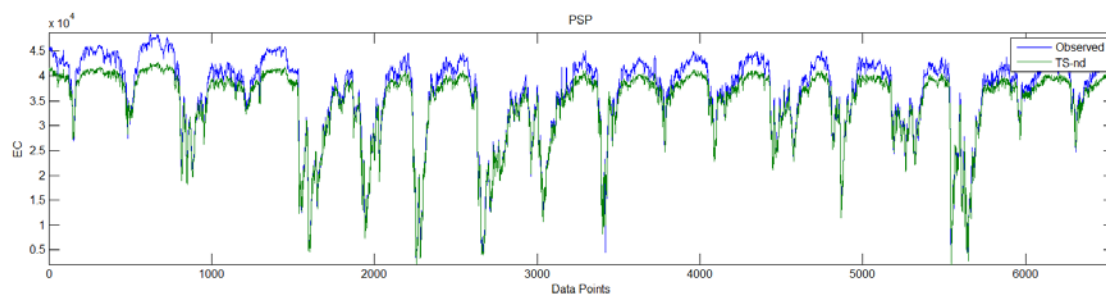


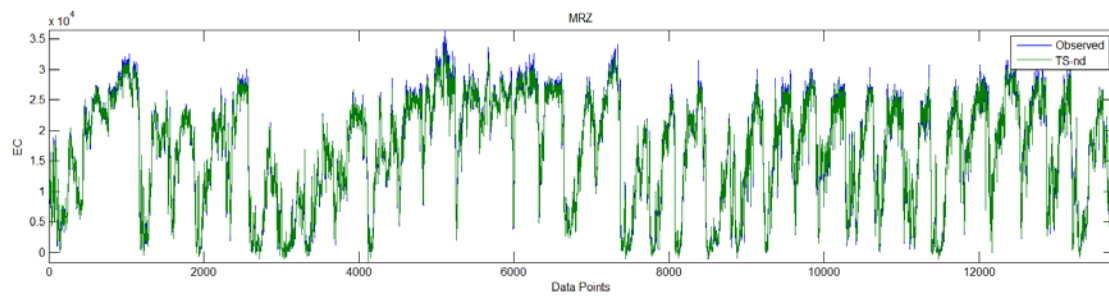
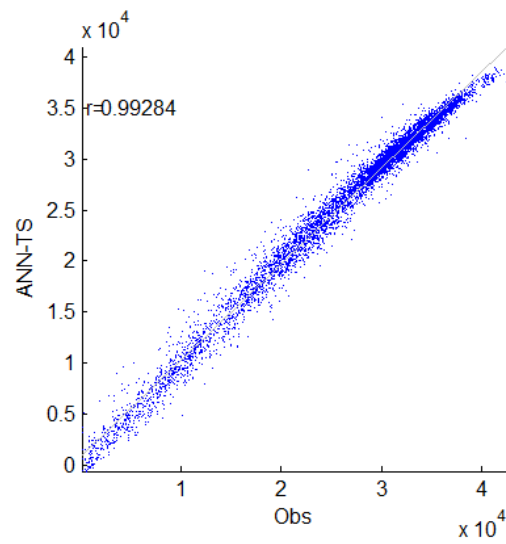
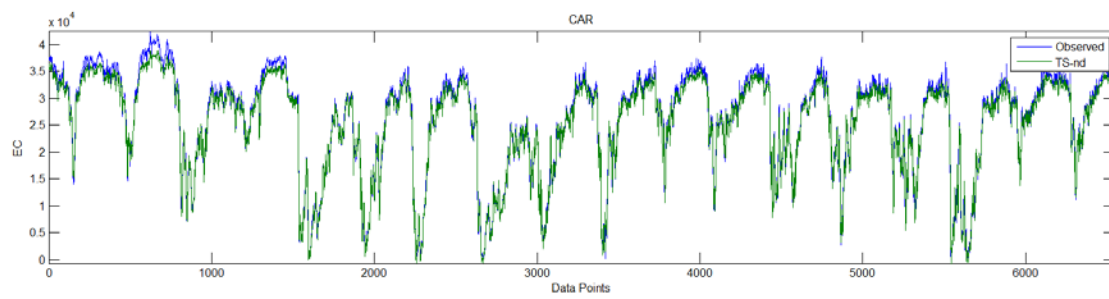


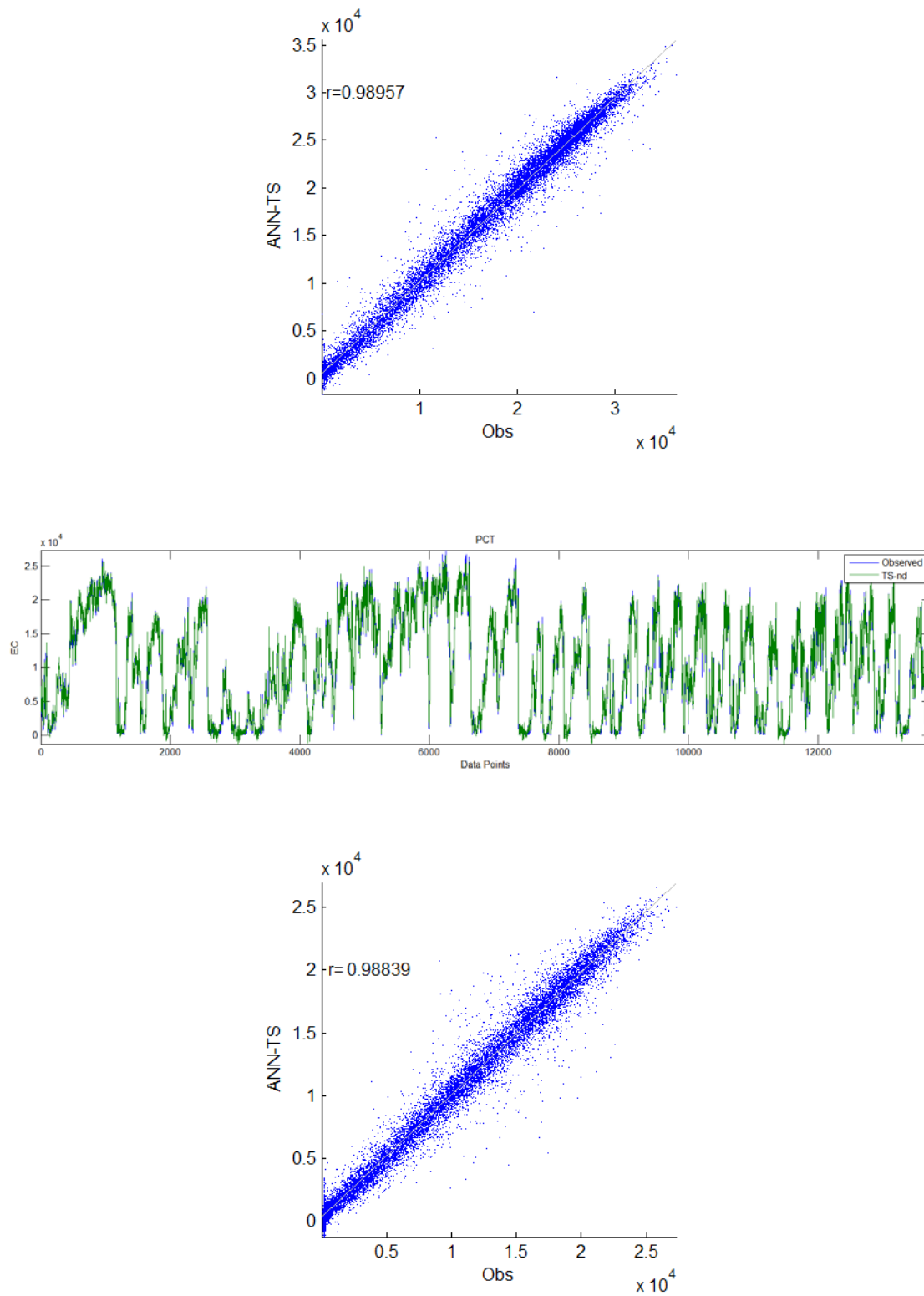


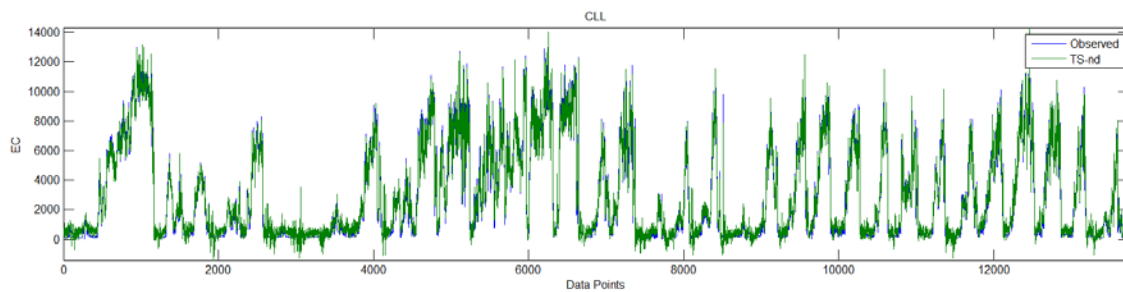
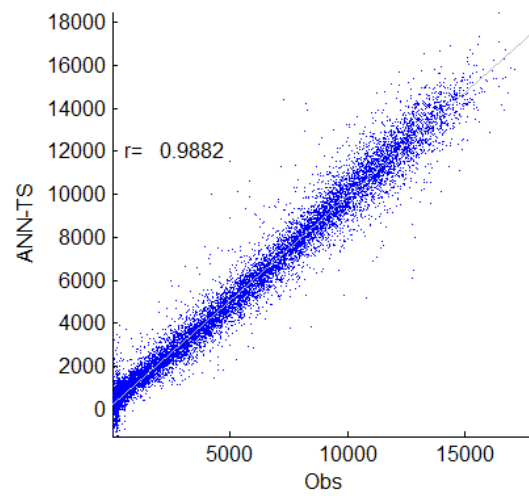
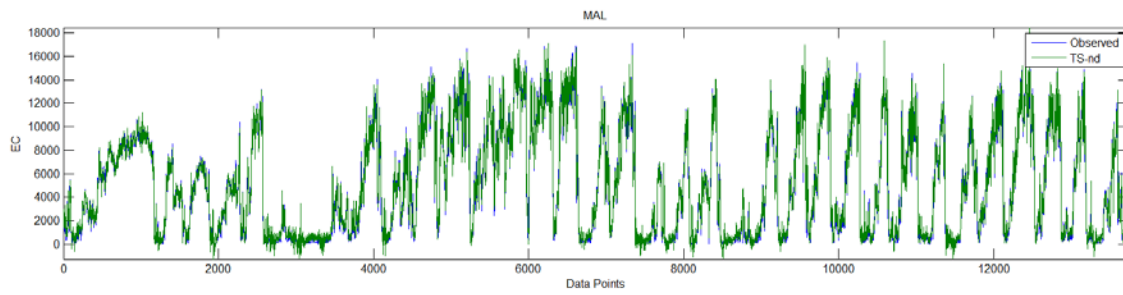


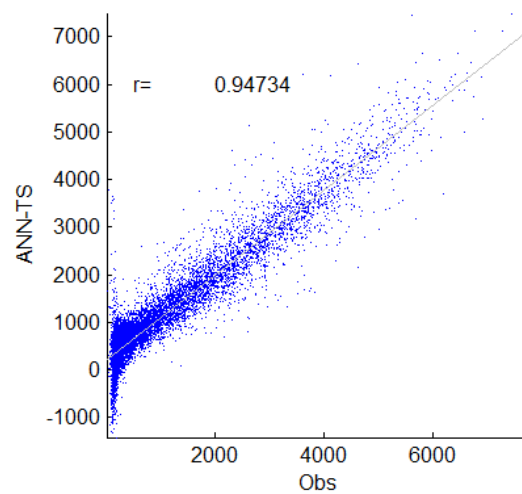
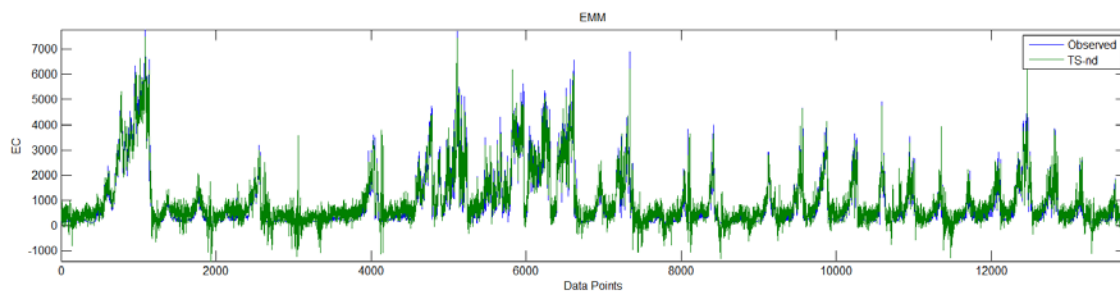
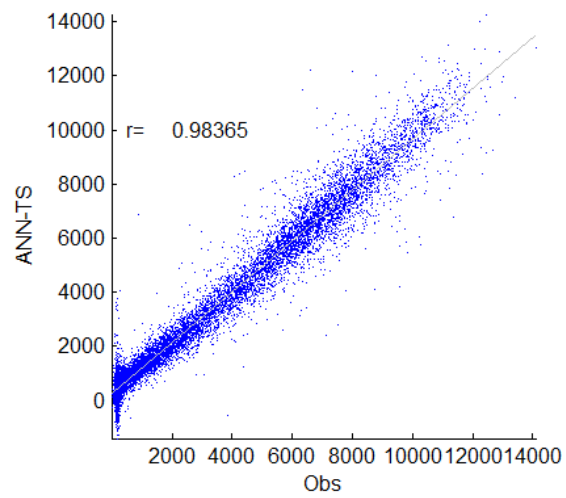


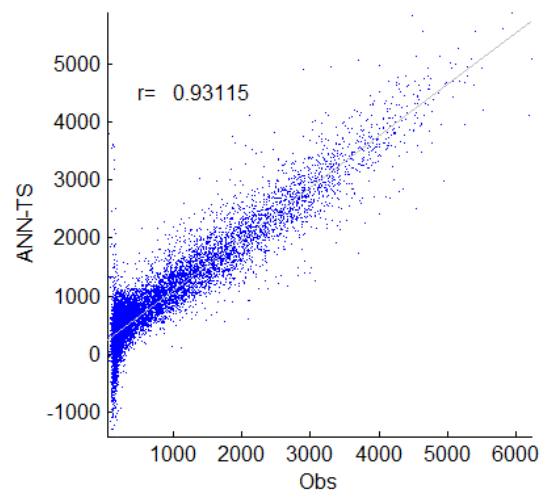
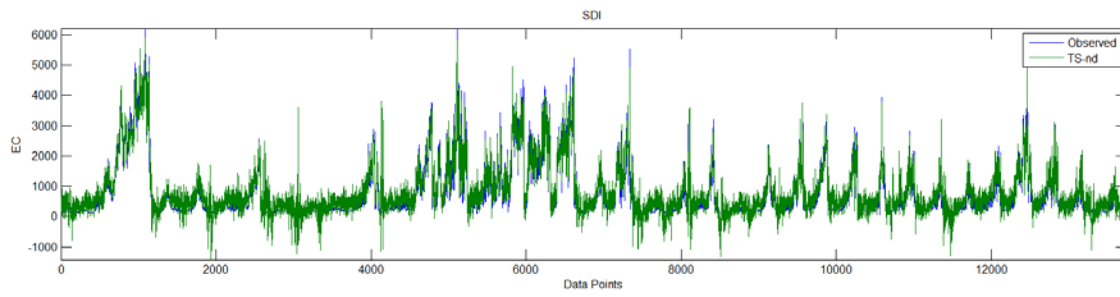
MODEL 10
NARX

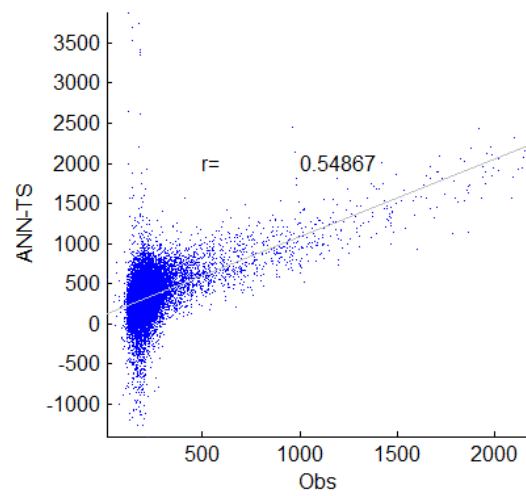
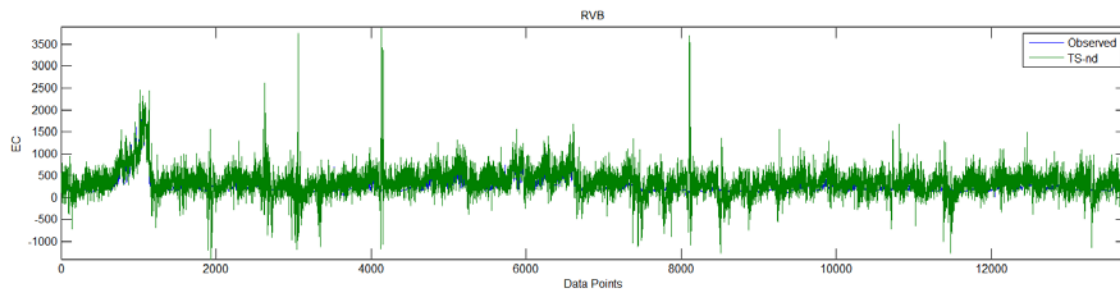


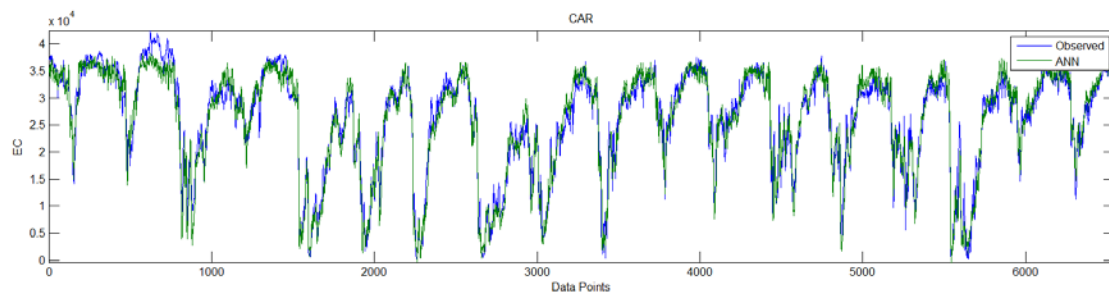
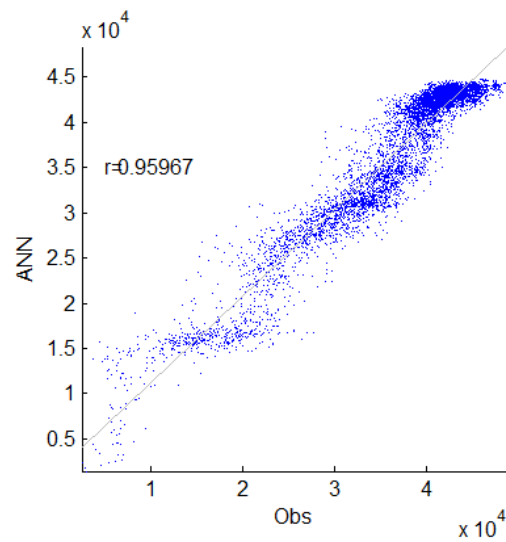
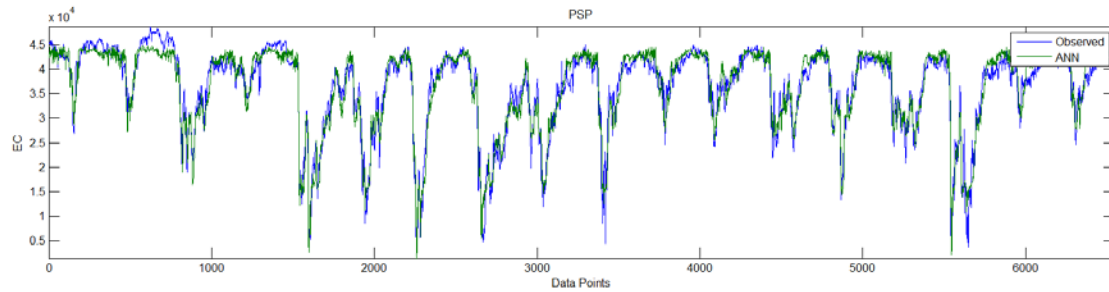


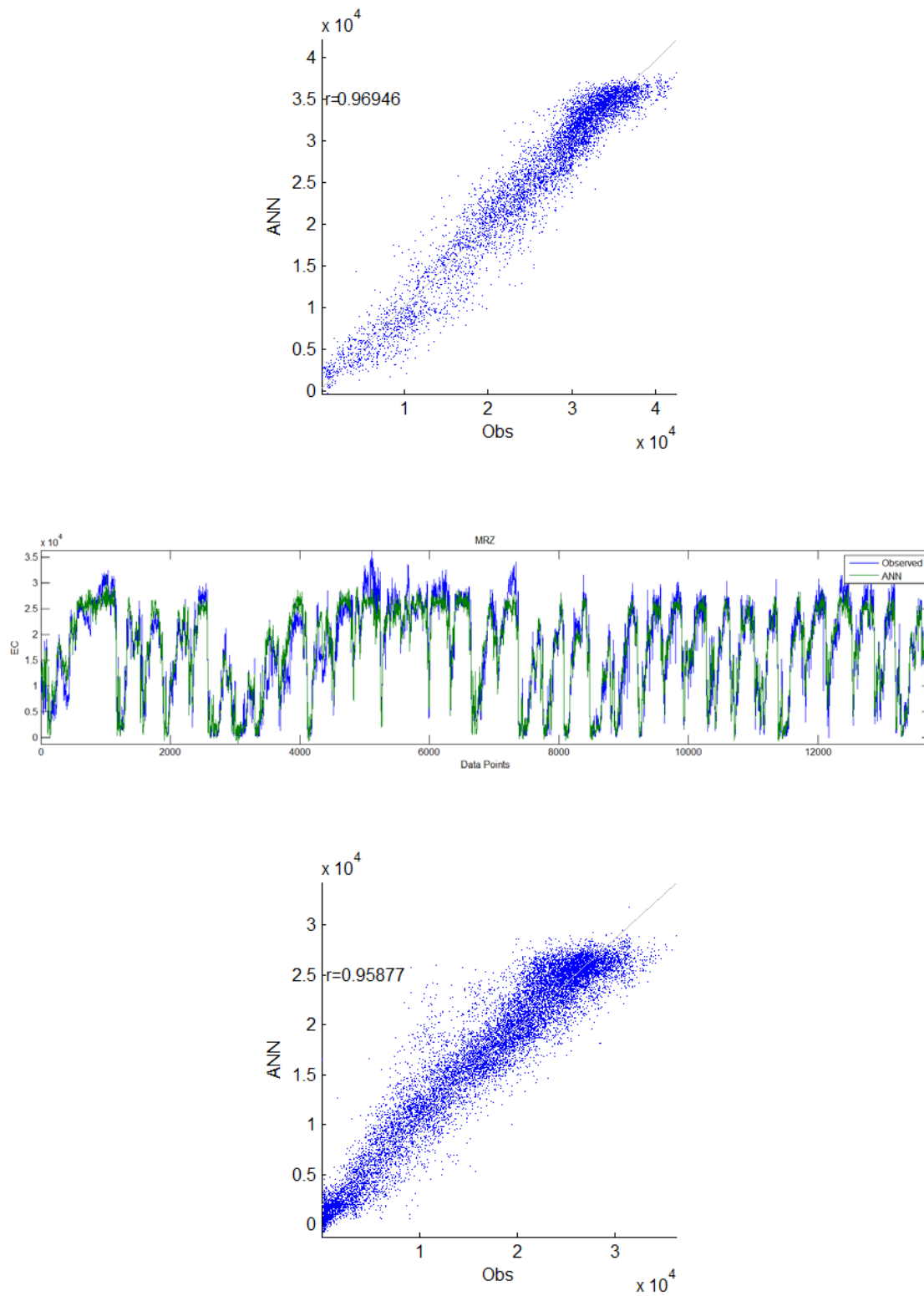


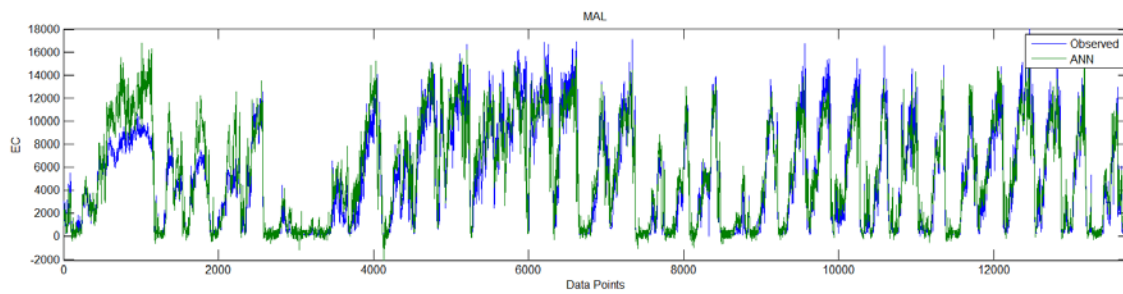
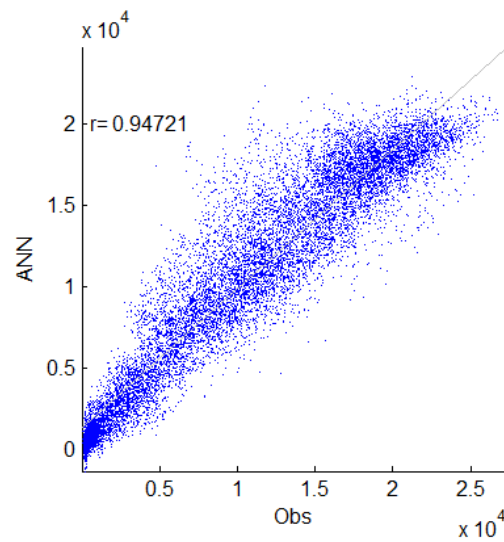
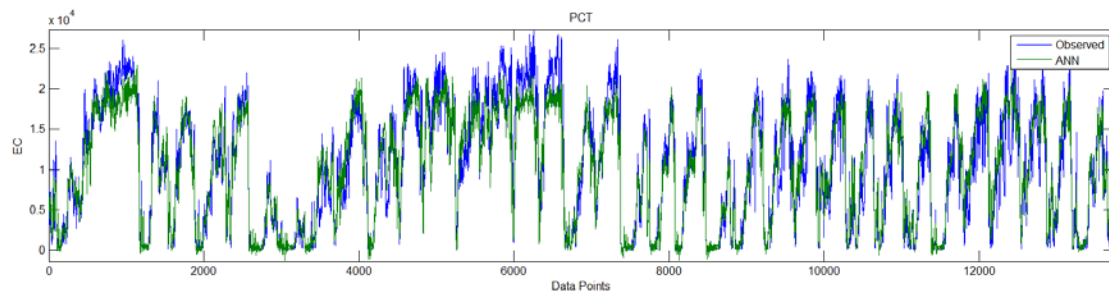


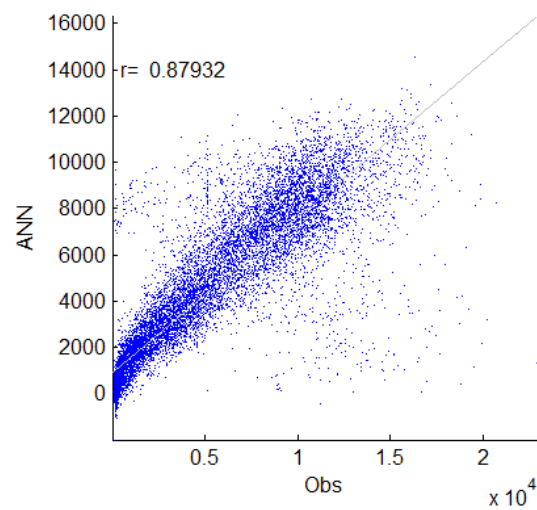
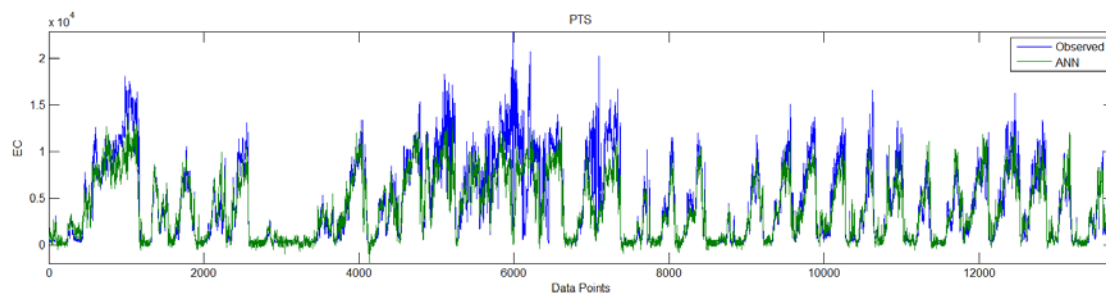
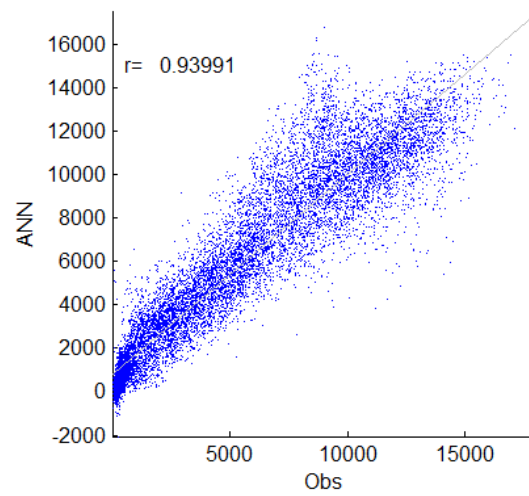


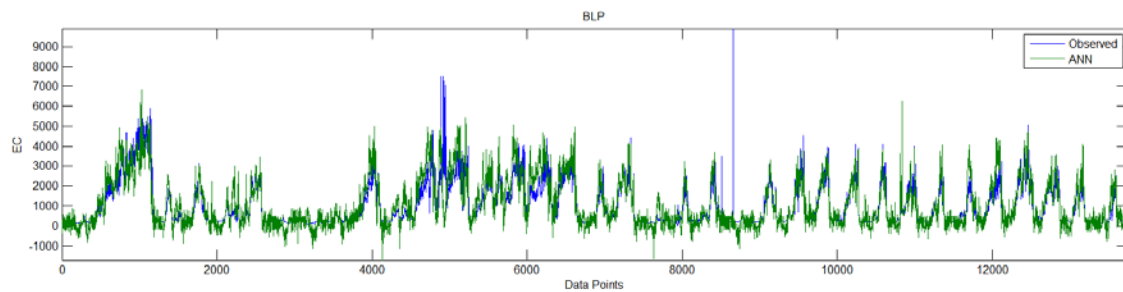
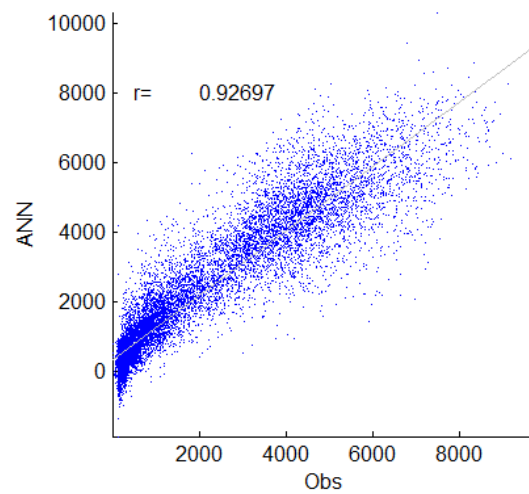
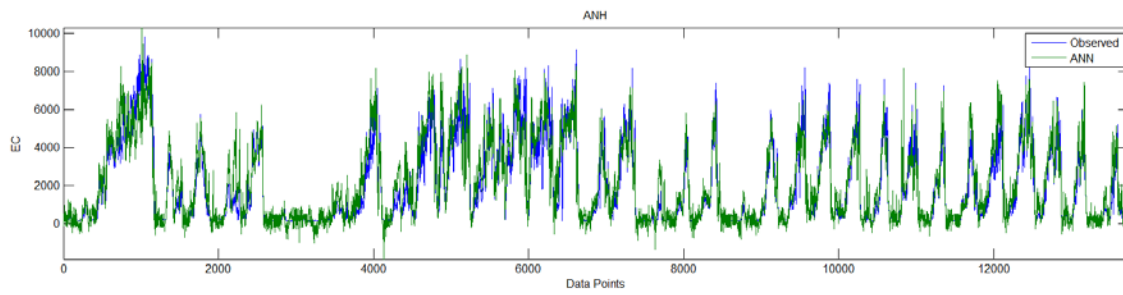


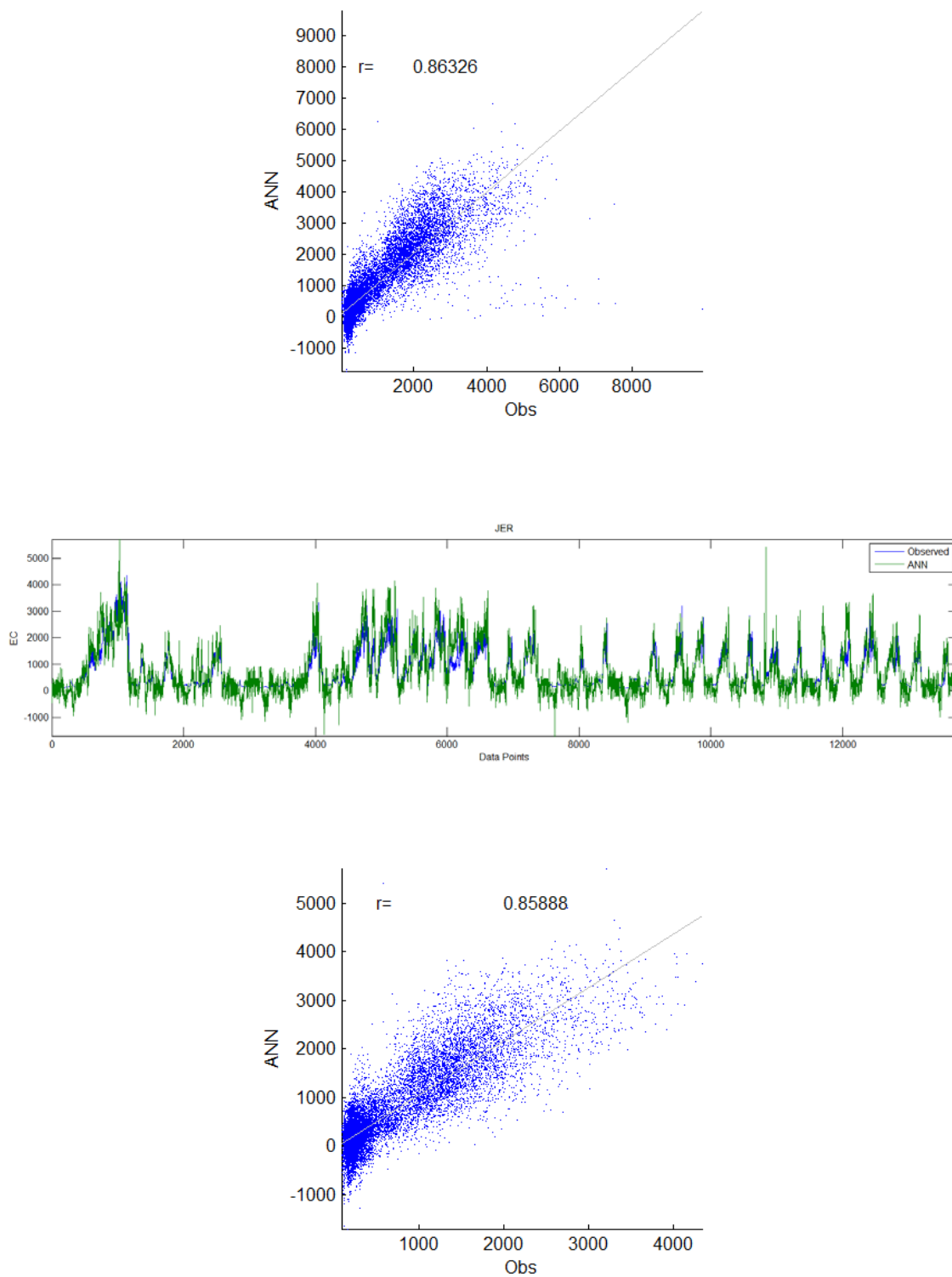
SAN JOAQUIN MODEL**MODEL 1****1 Flow Model**

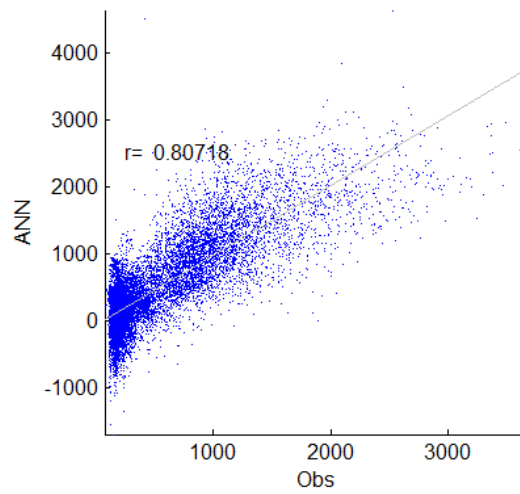
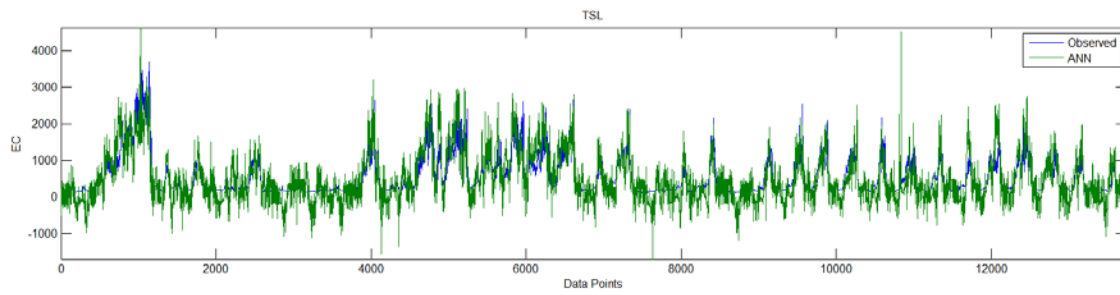


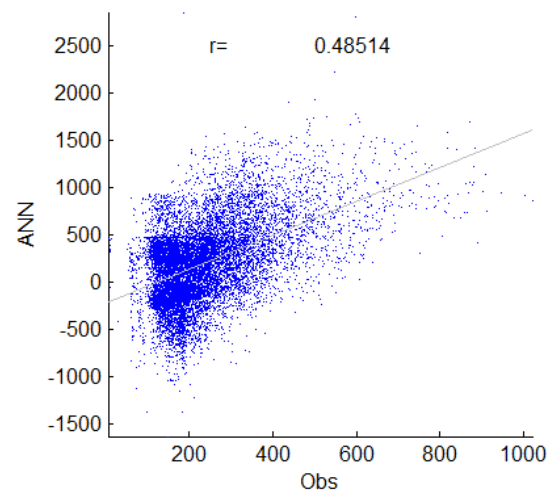
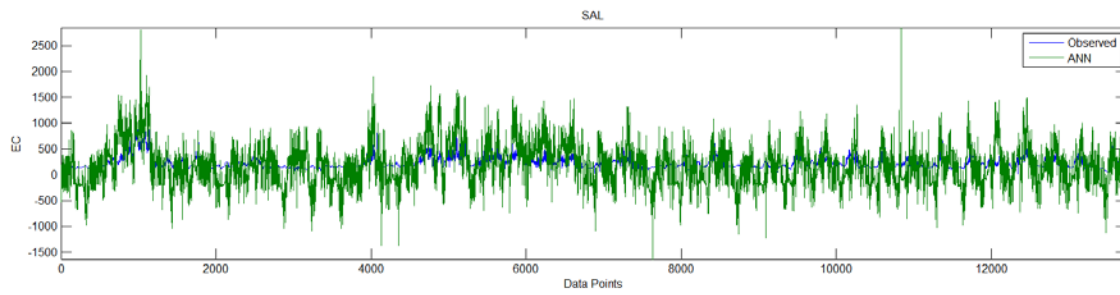


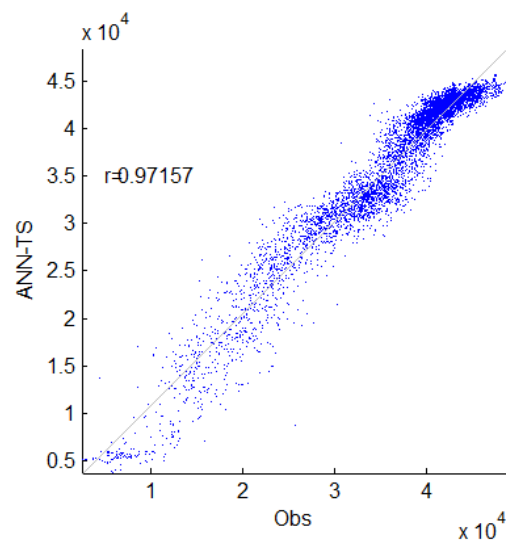
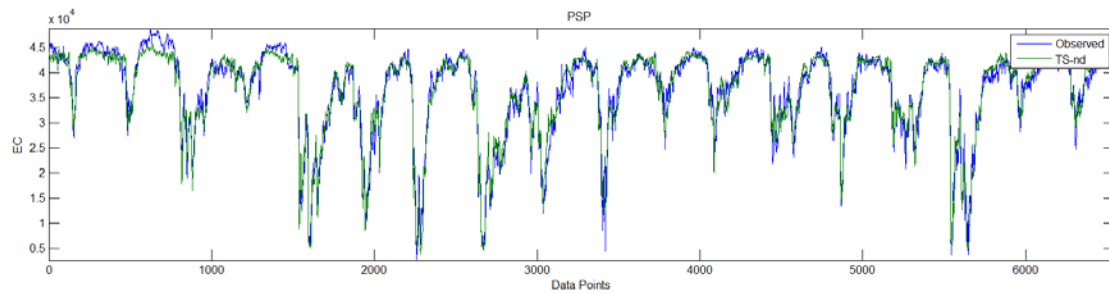


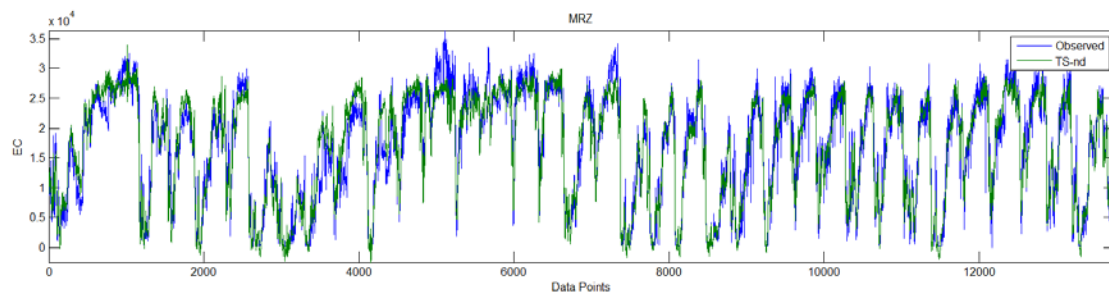
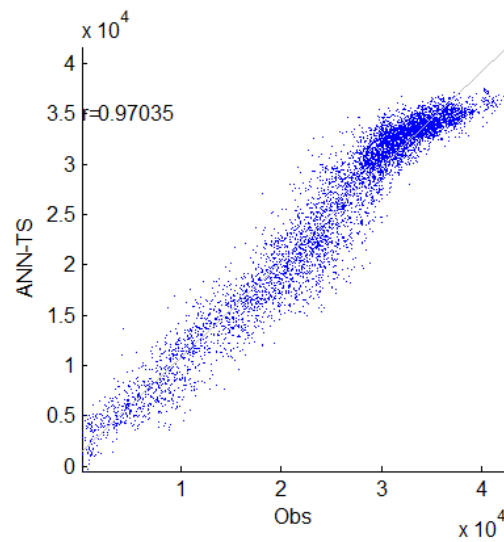
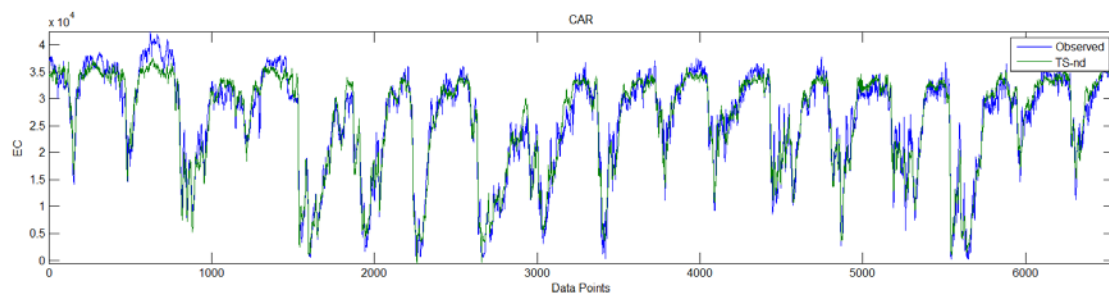


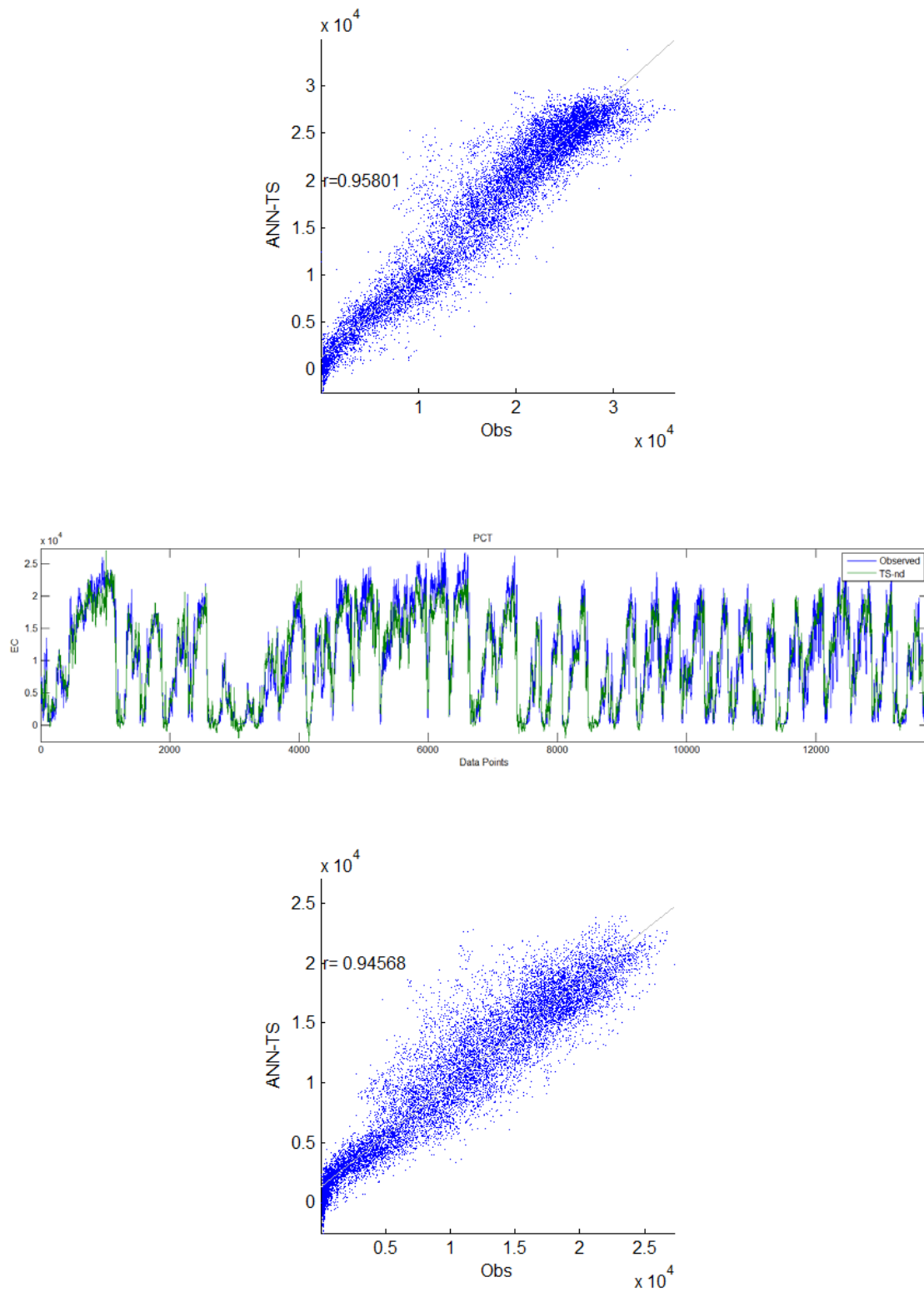


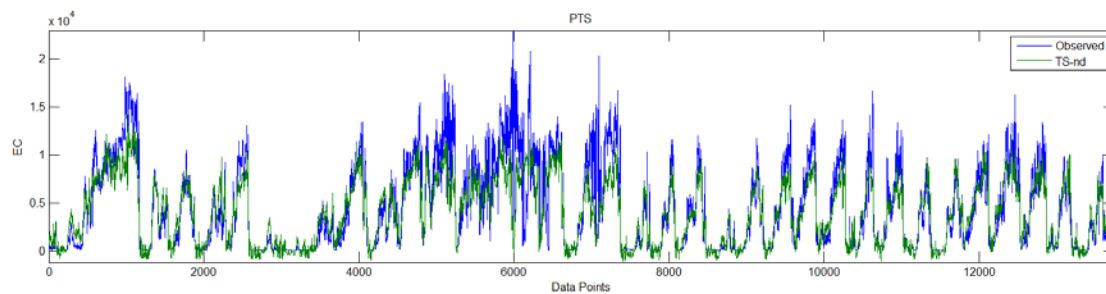
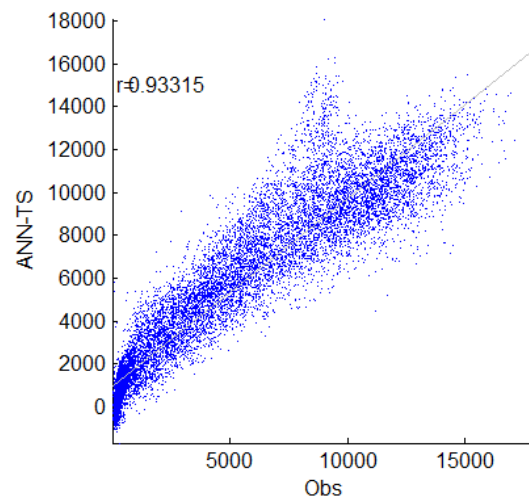
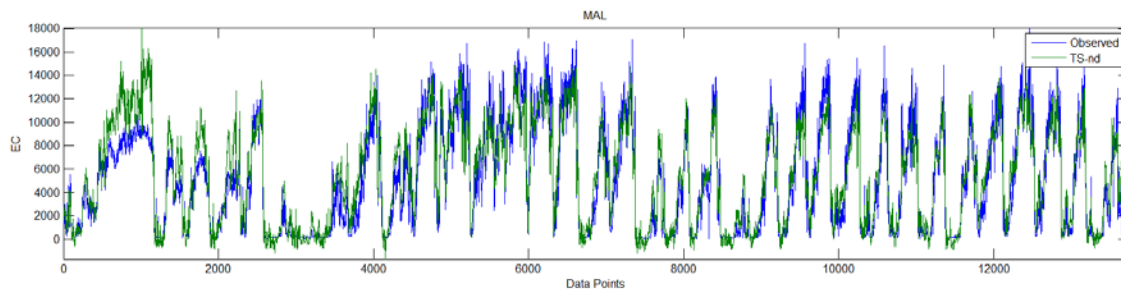


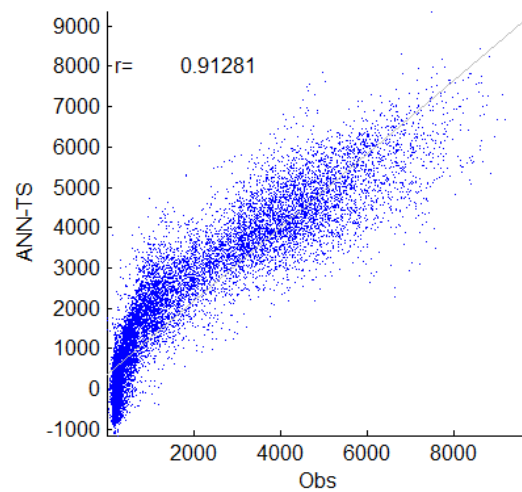
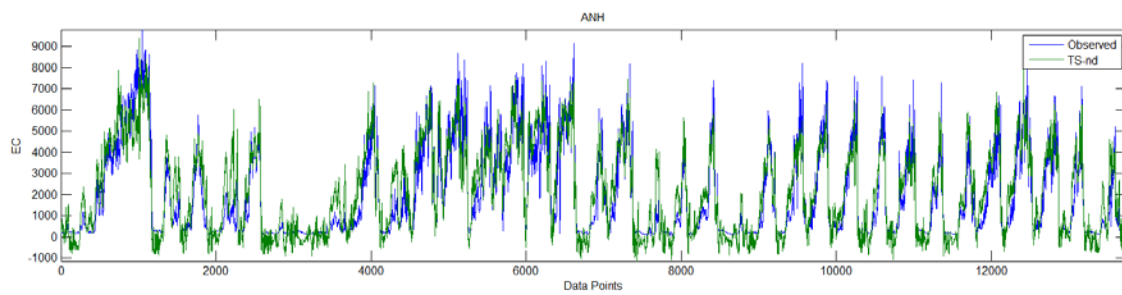
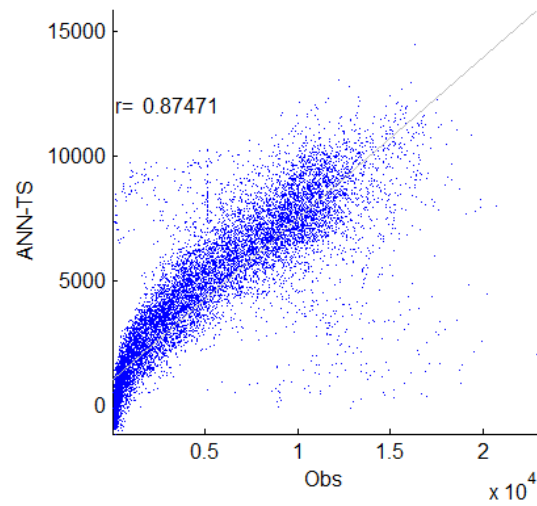


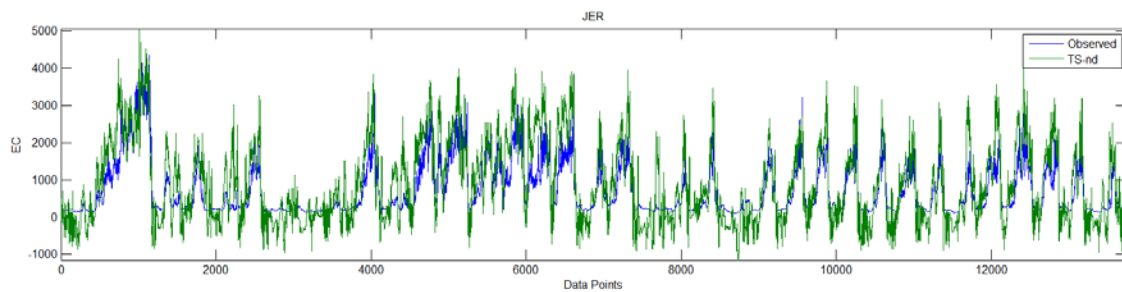
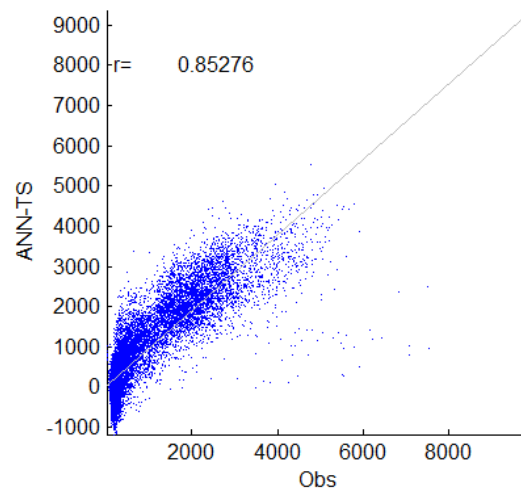
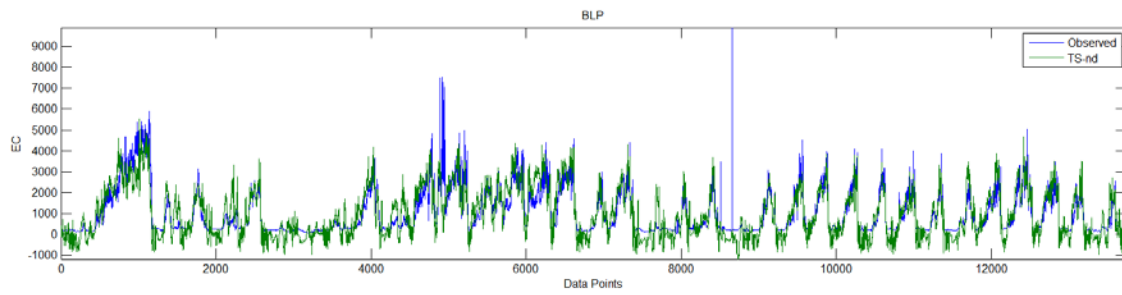
MODEL 2**2 Flow**

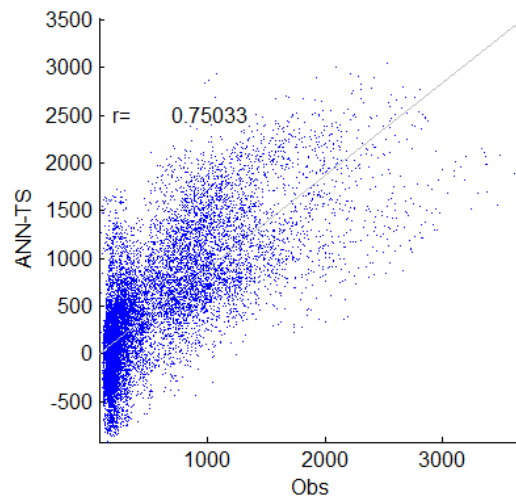
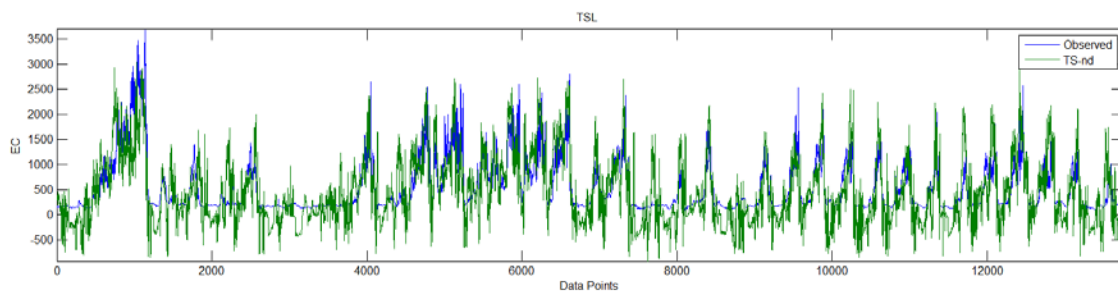
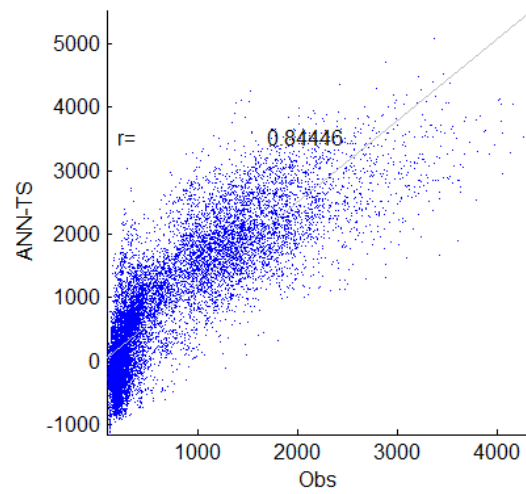


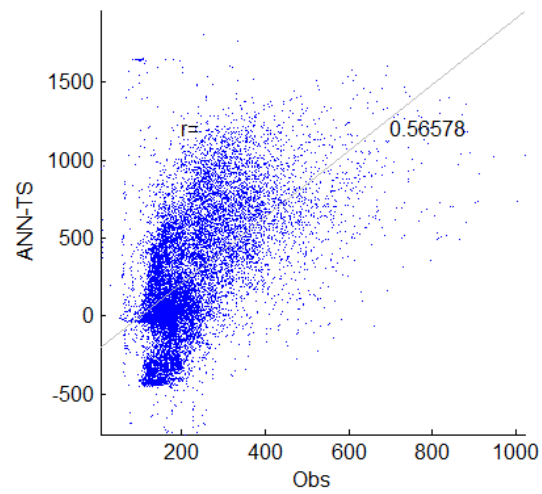
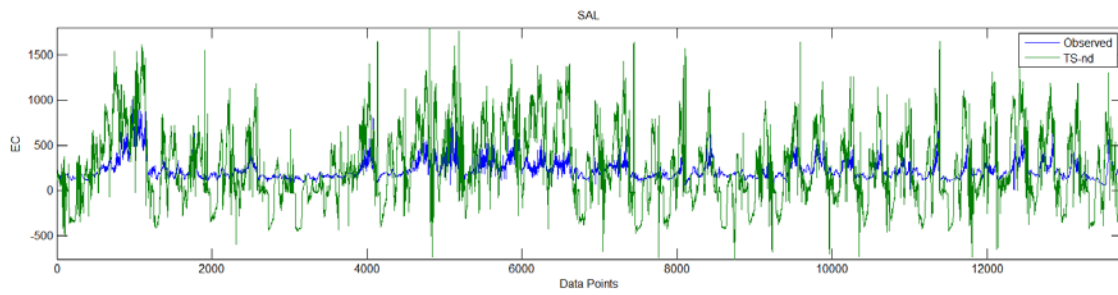


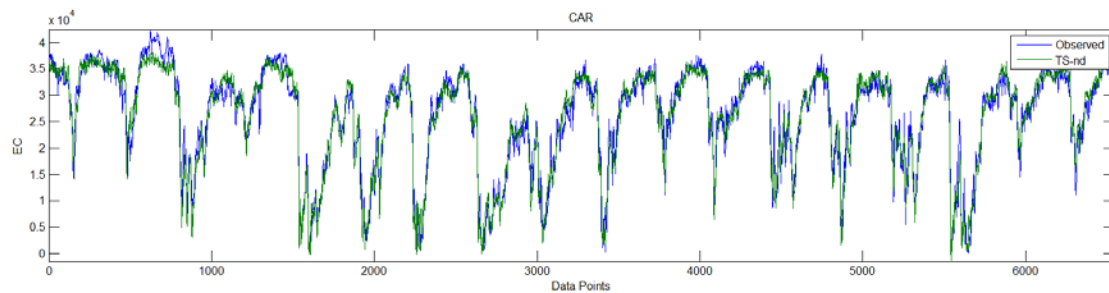
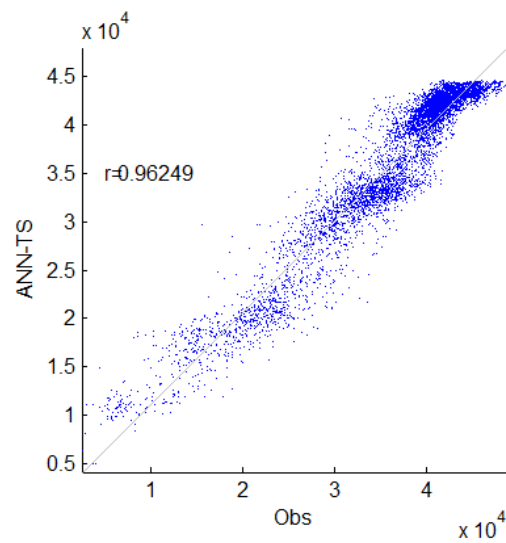
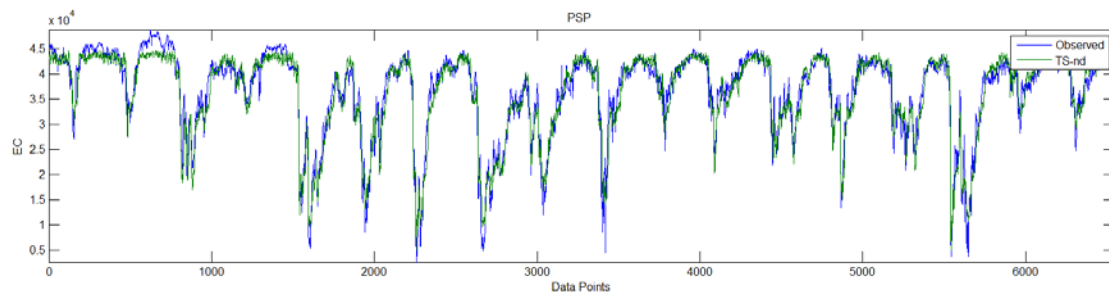


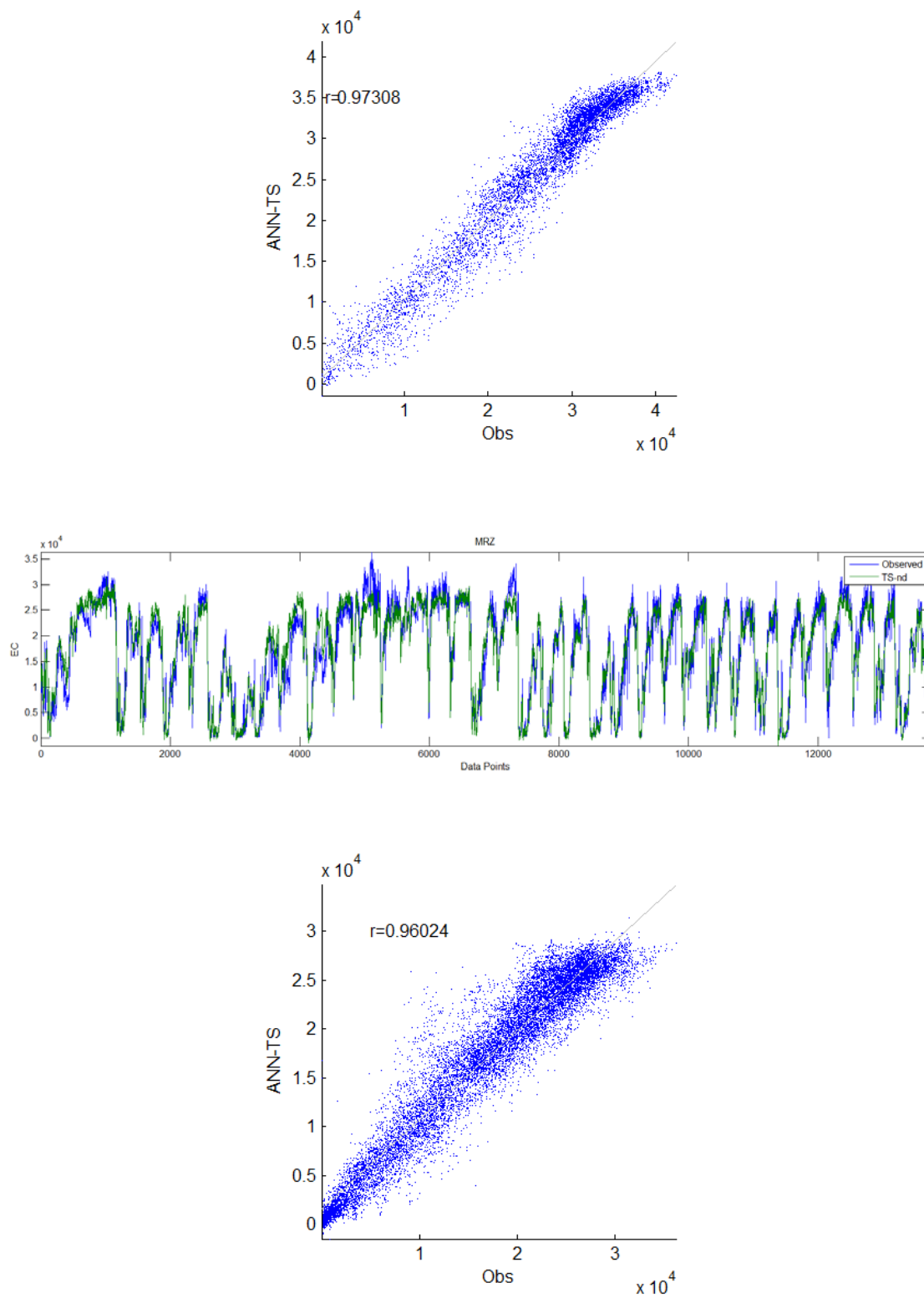


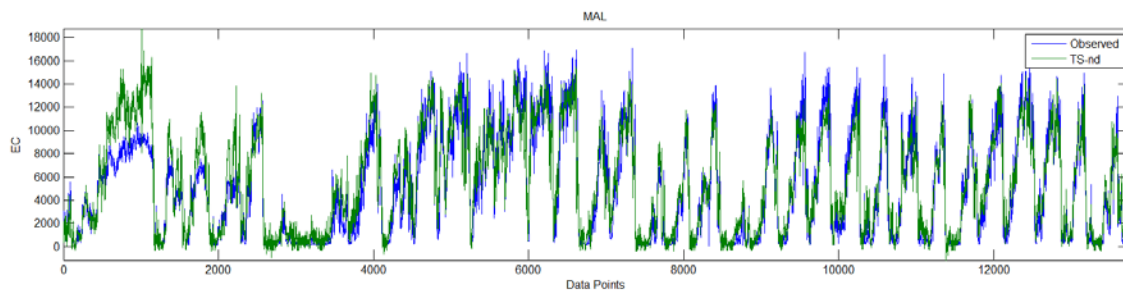
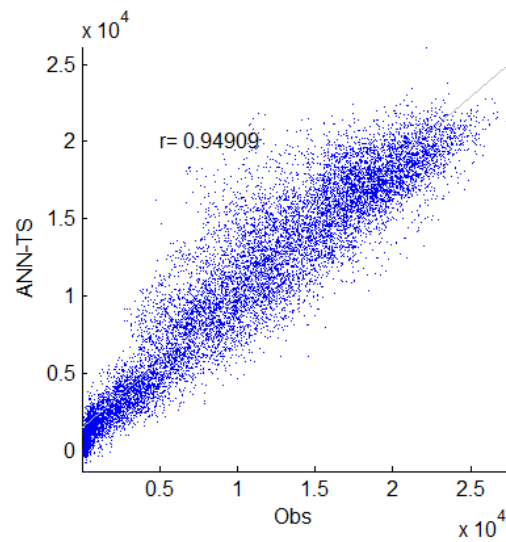
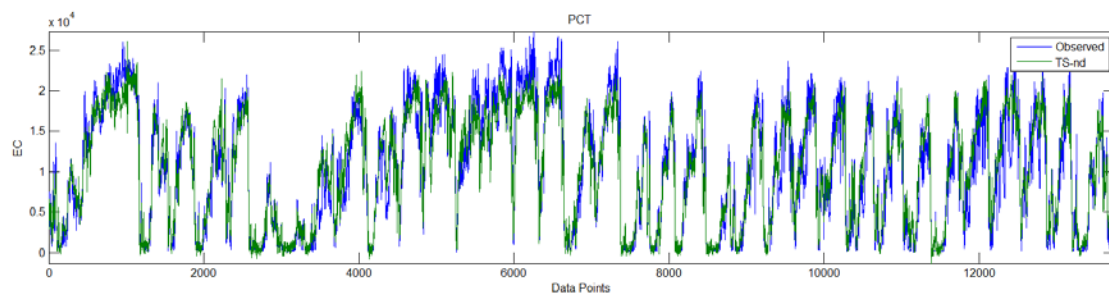


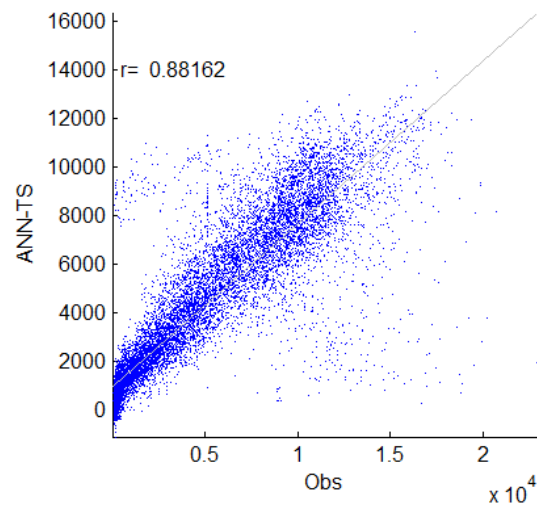
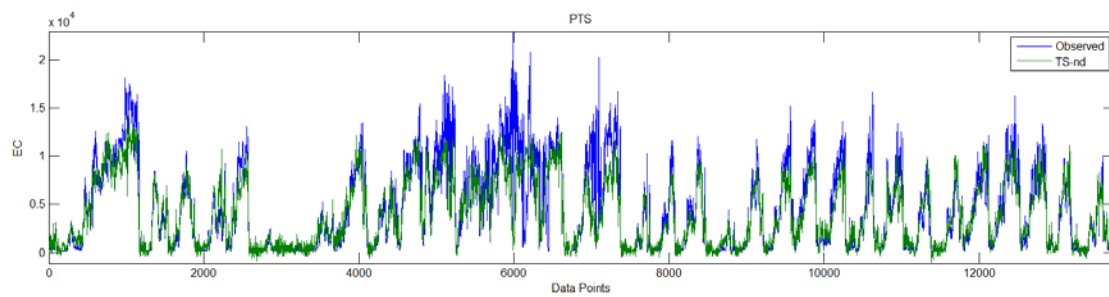
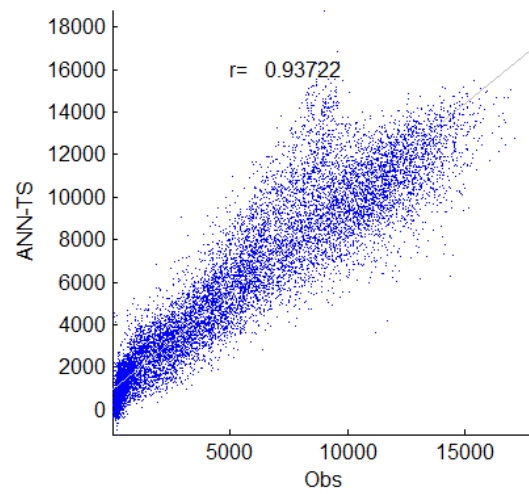


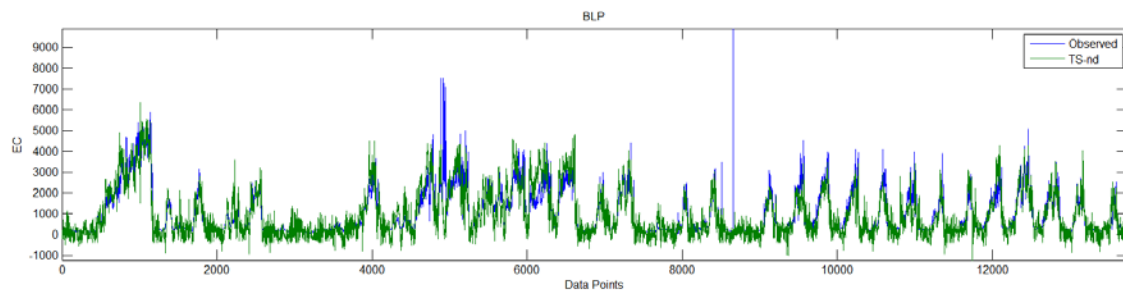
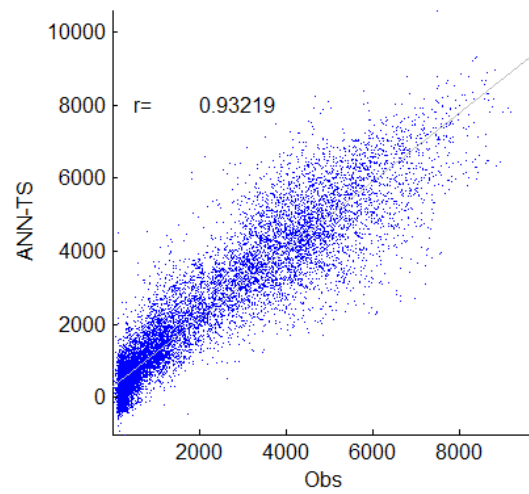
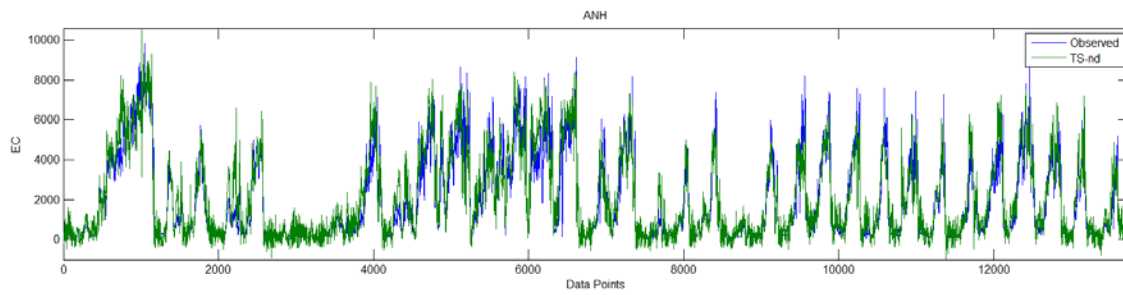


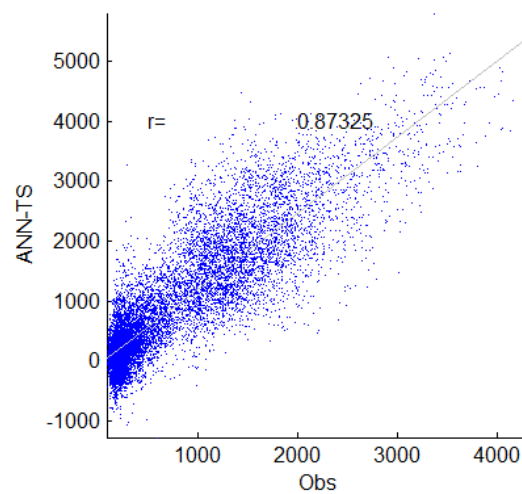
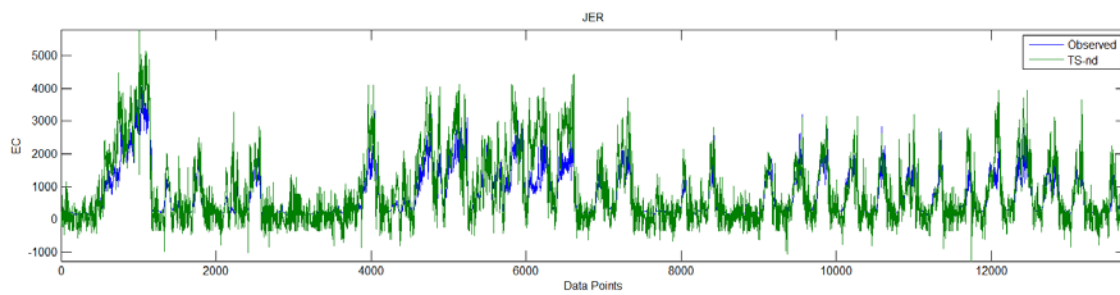
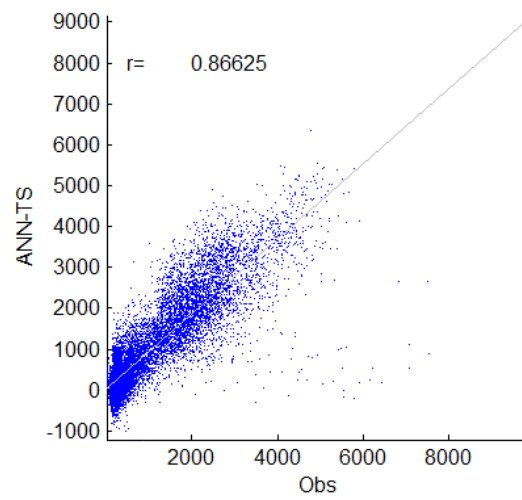
MODEL 3**2 Flows, Qwest as residual**

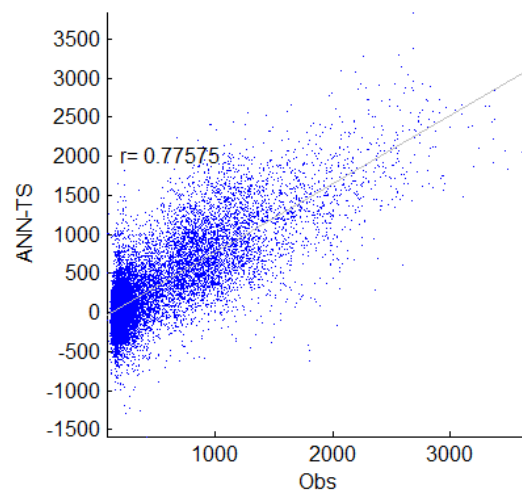
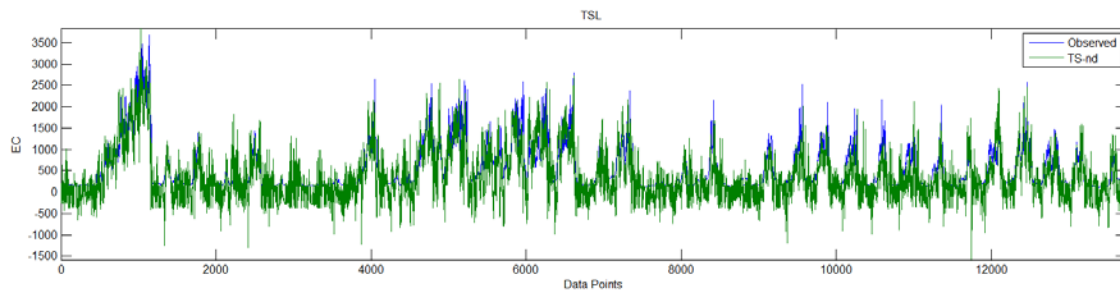


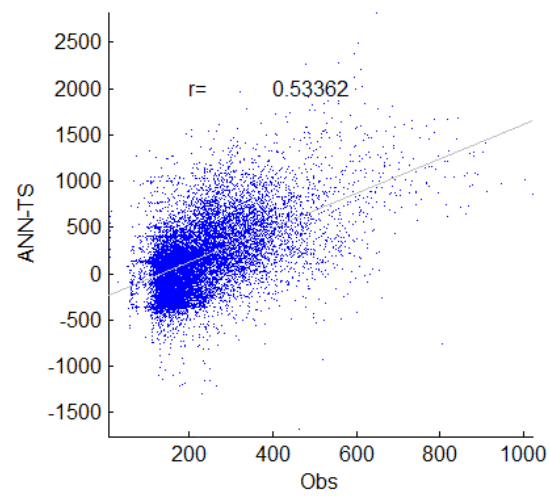
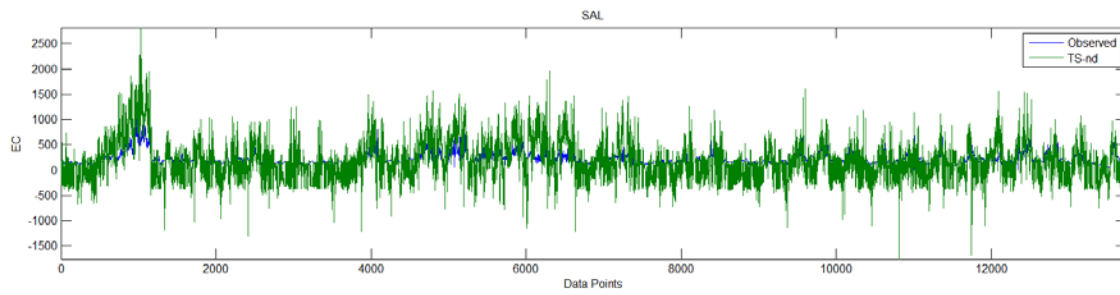


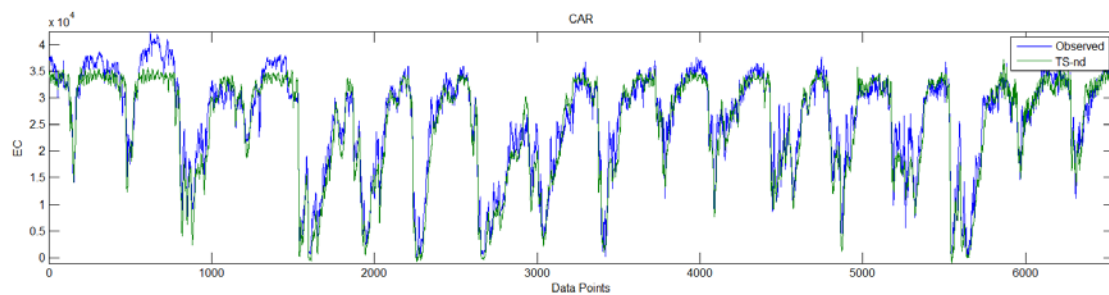
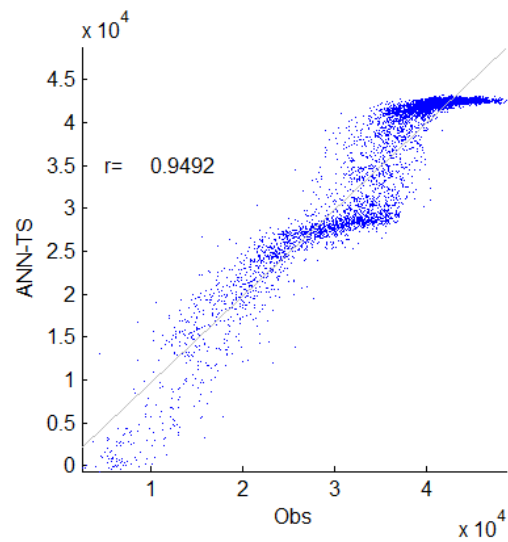
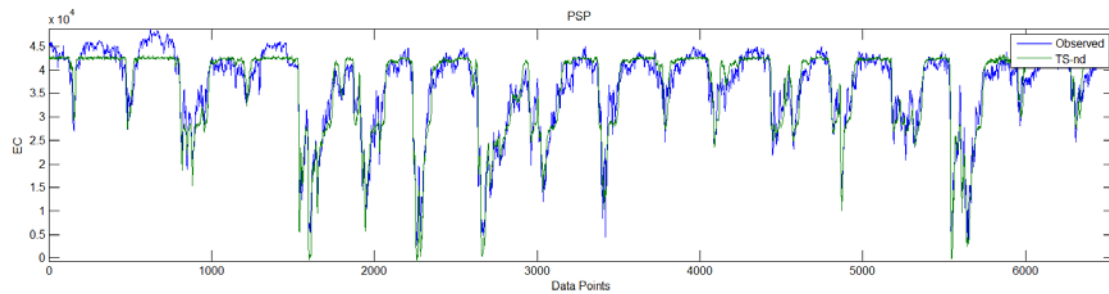


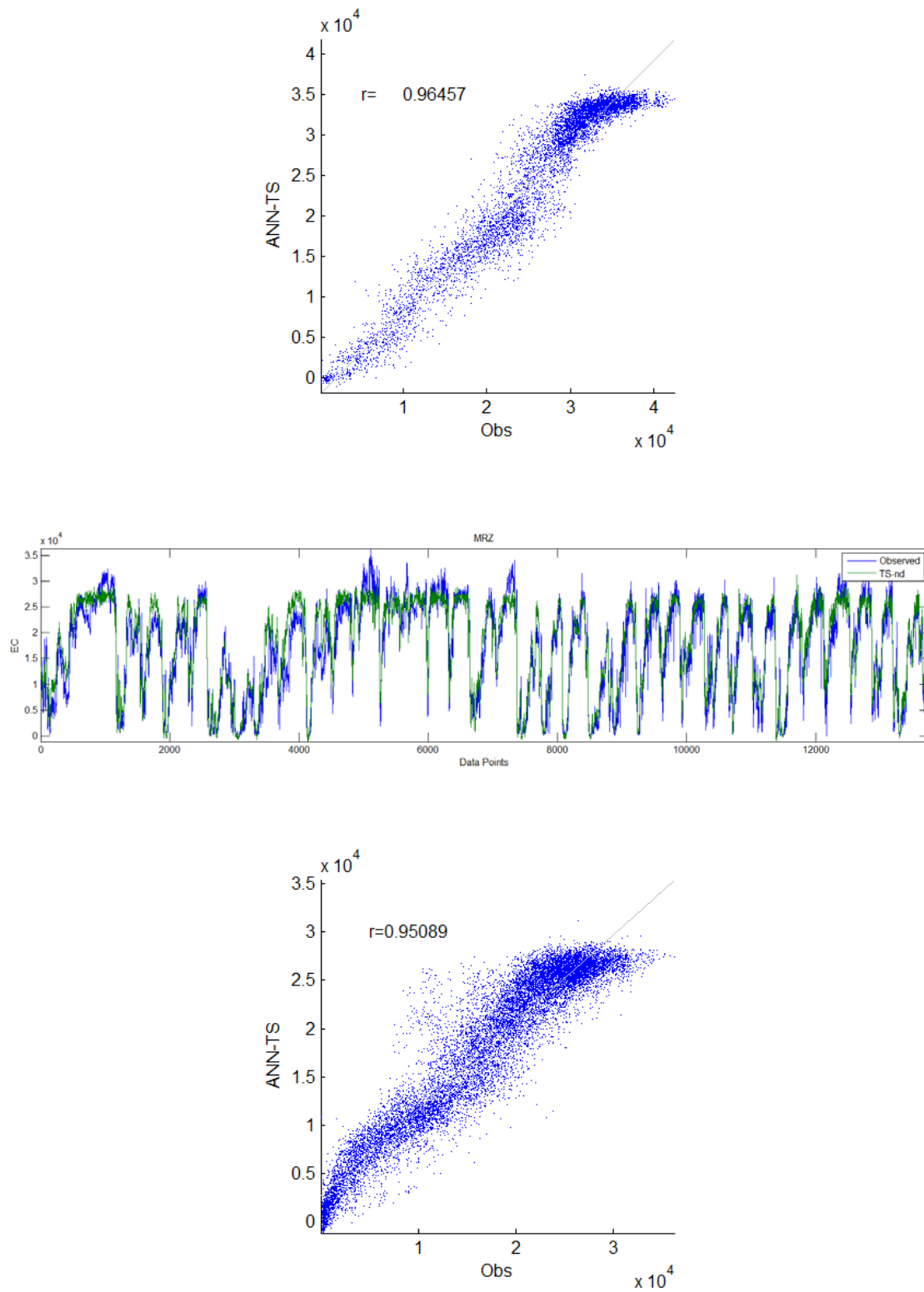


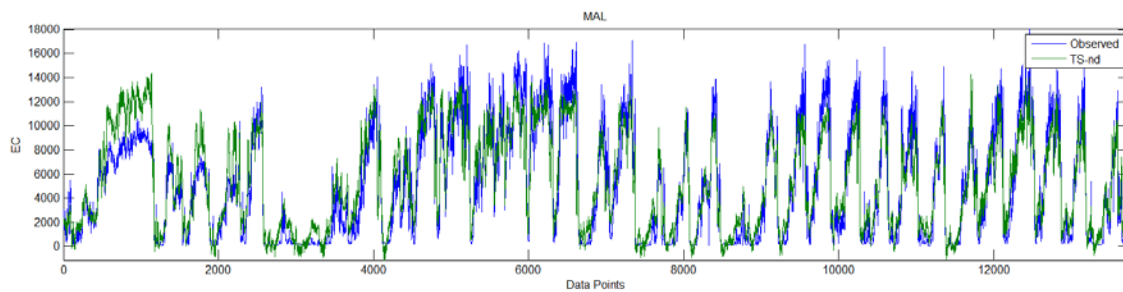
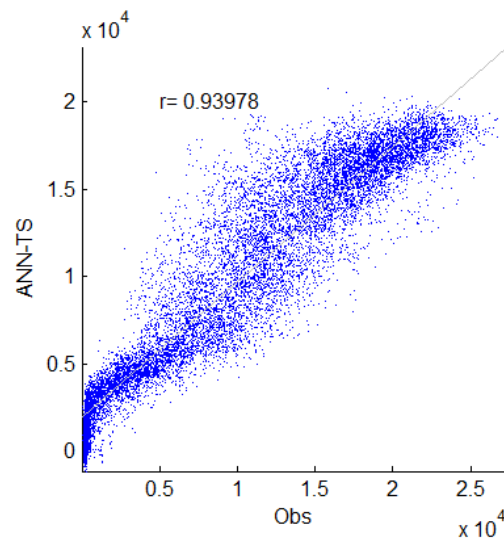
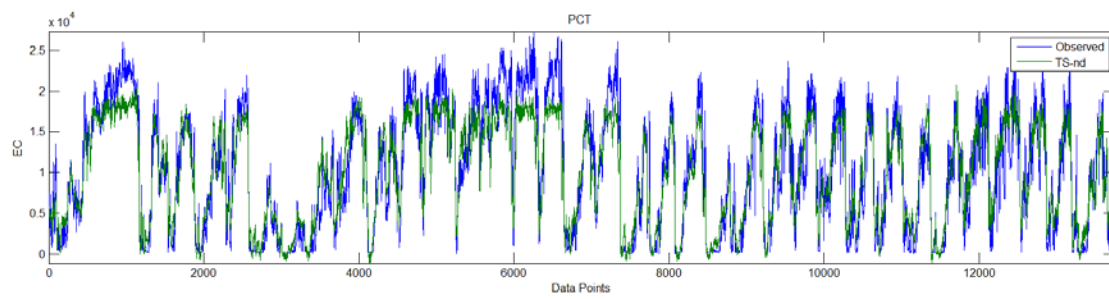


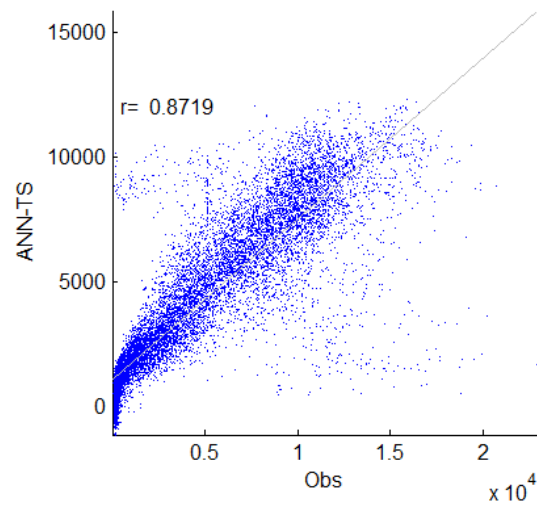
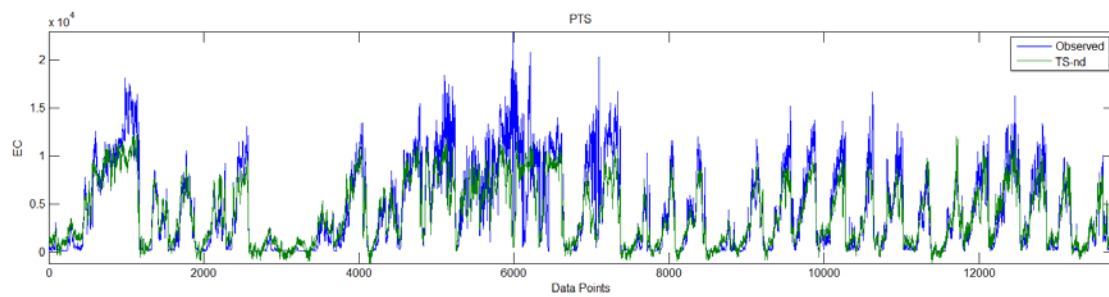
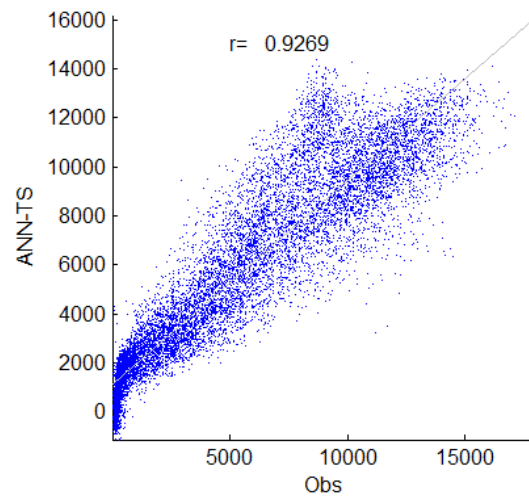


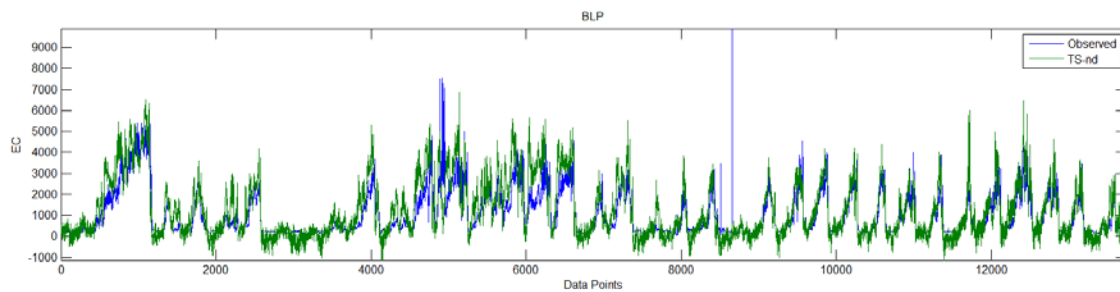
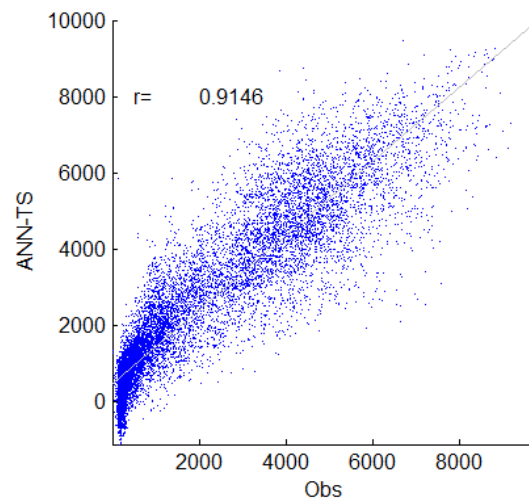
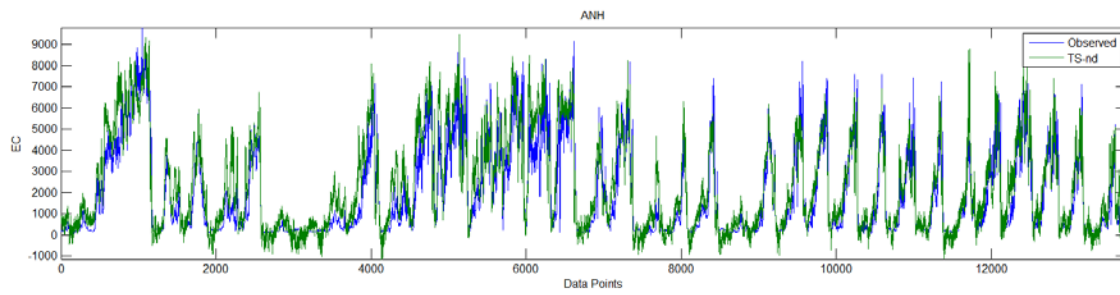


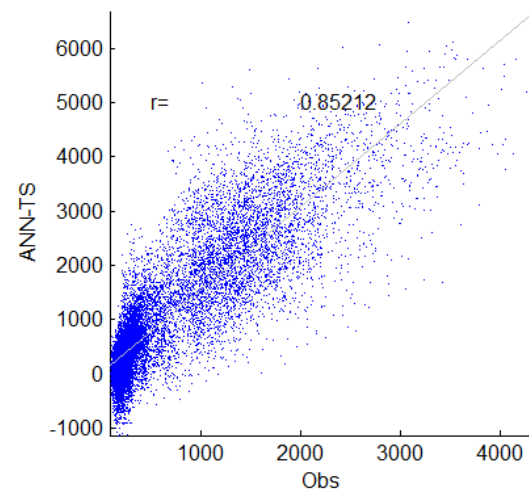
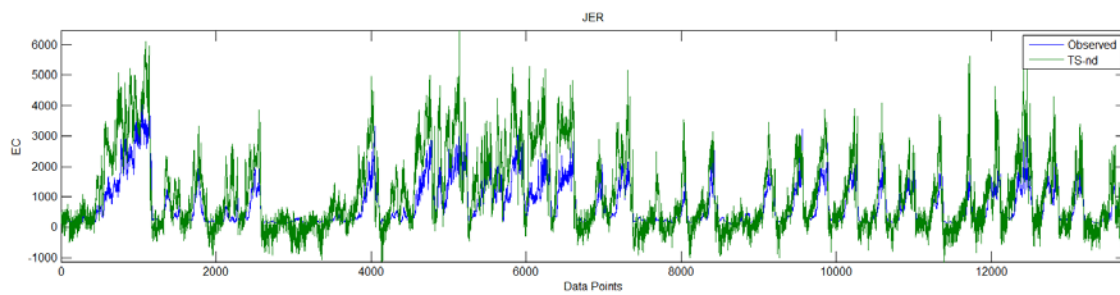
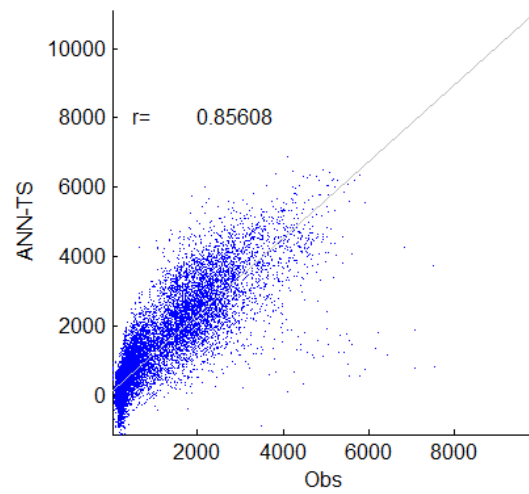
MODEL 4**3 Tide**

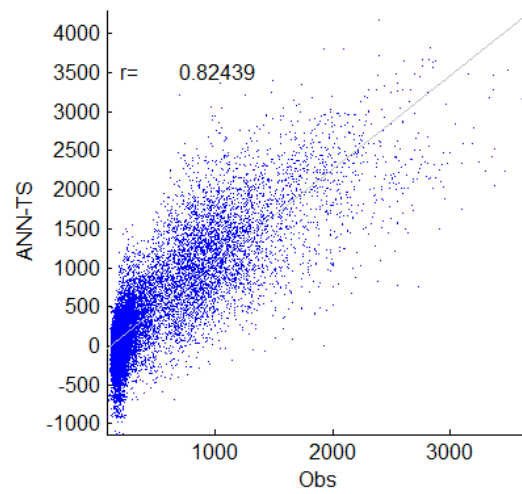
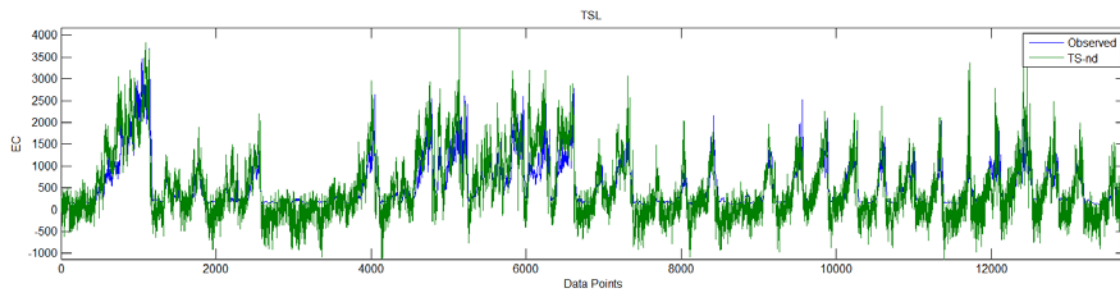


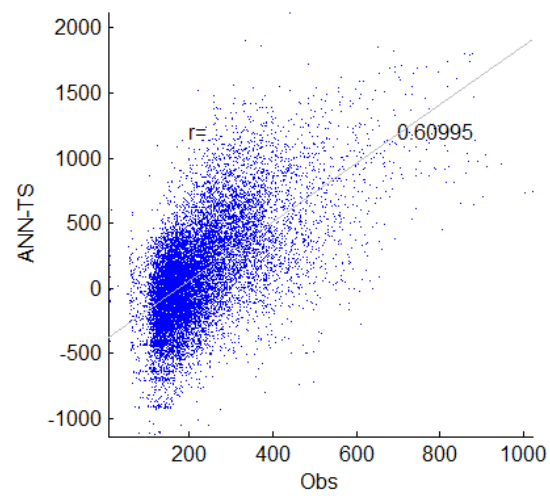
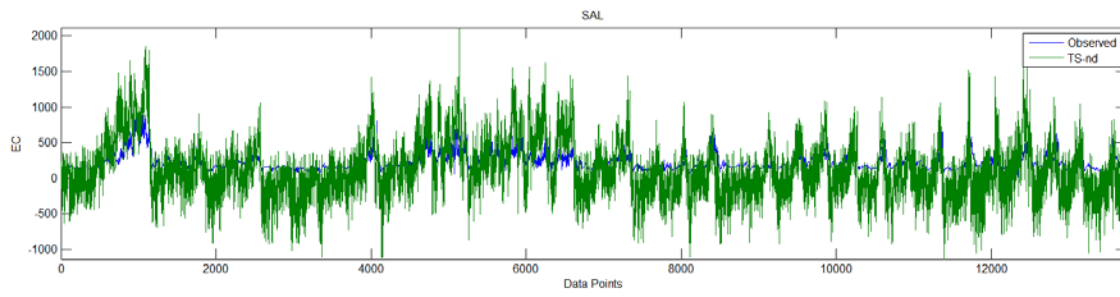


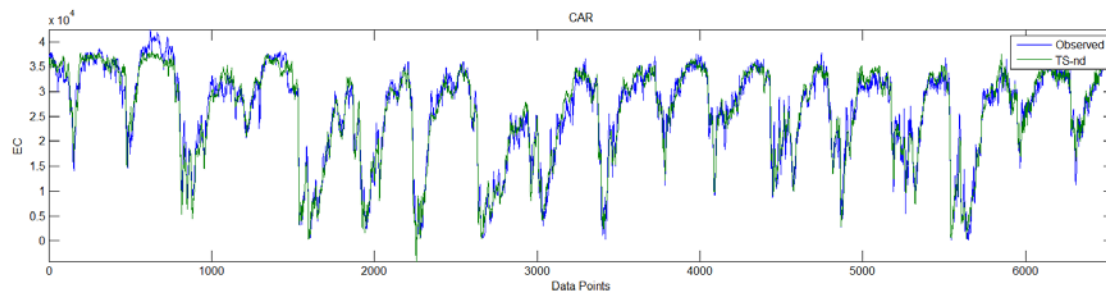
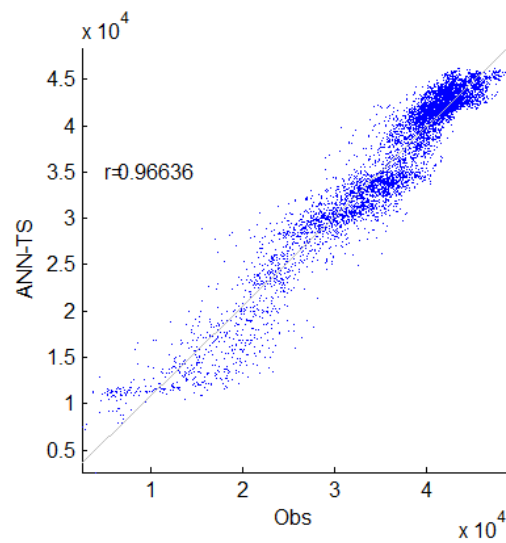
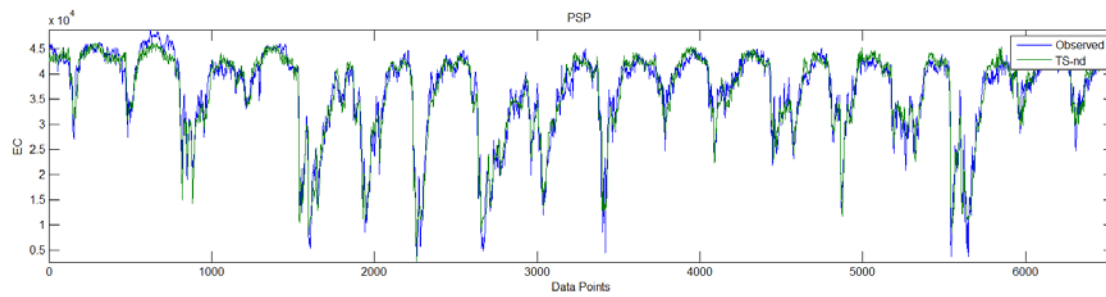


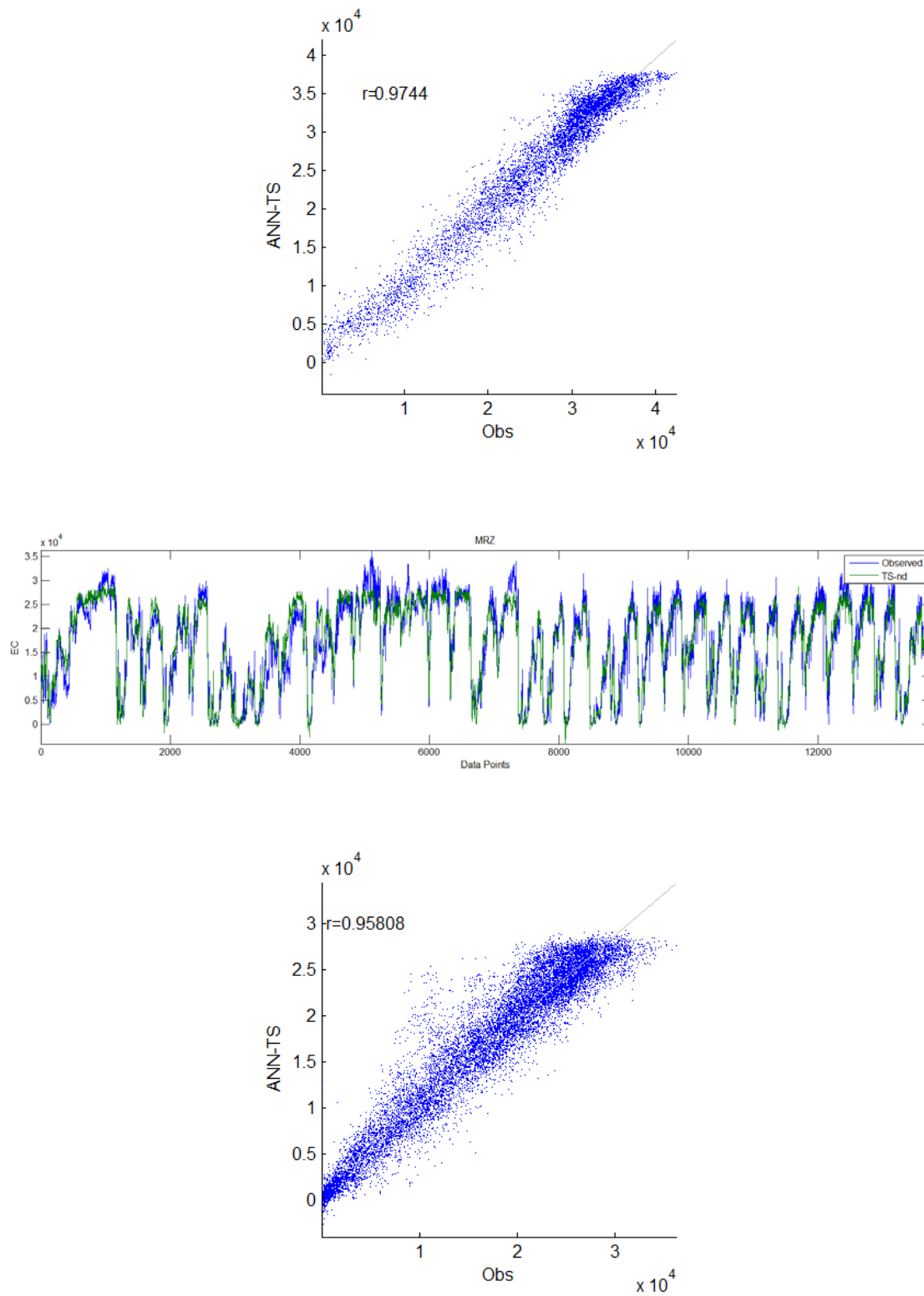


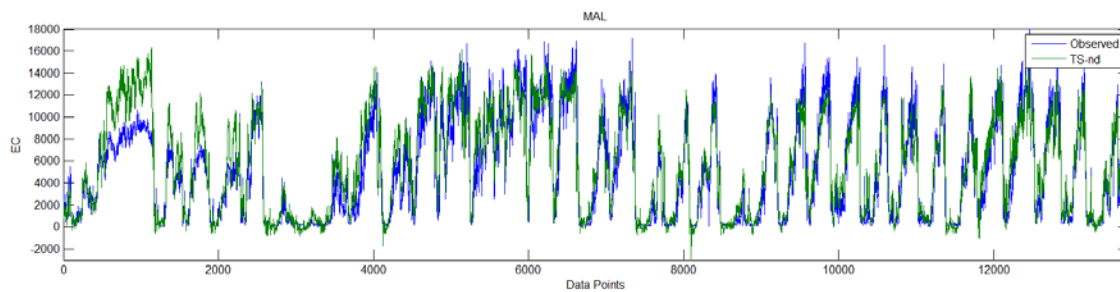
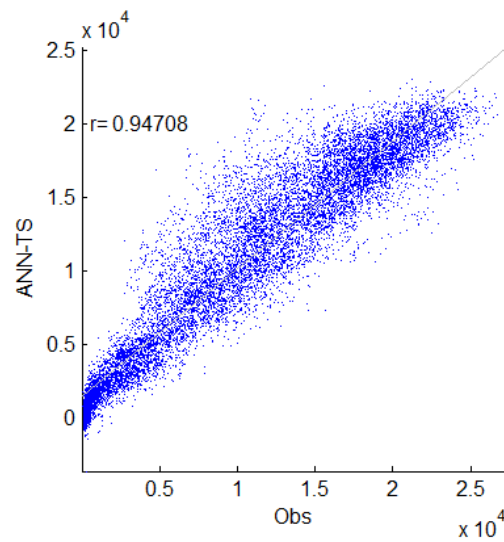
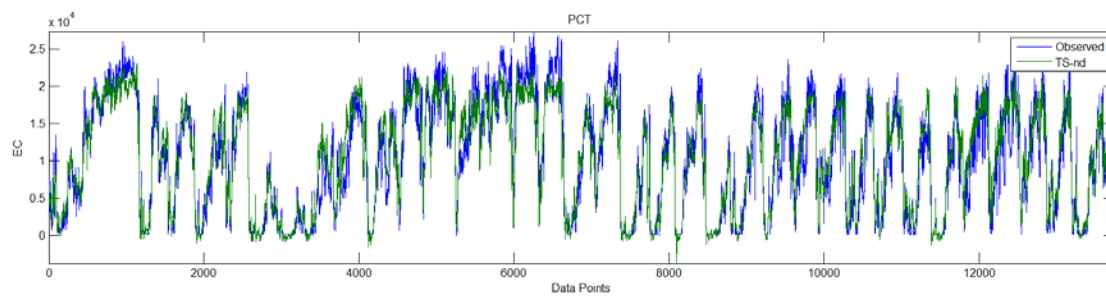


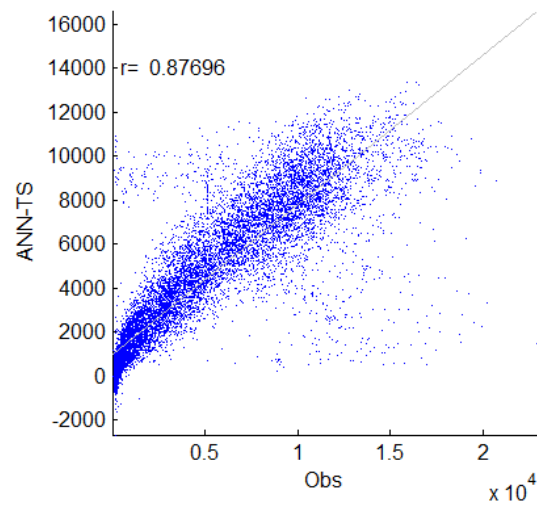
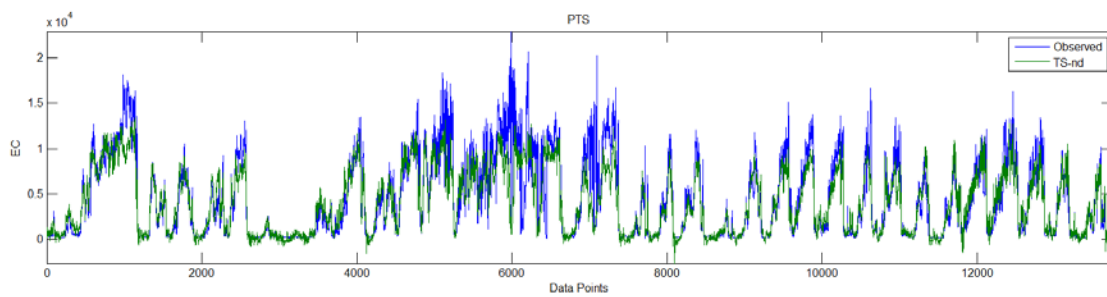
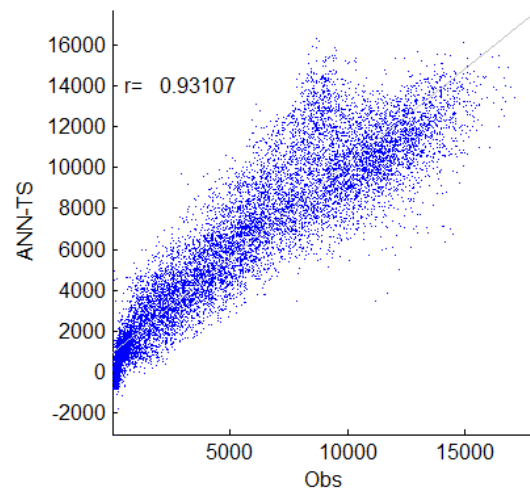


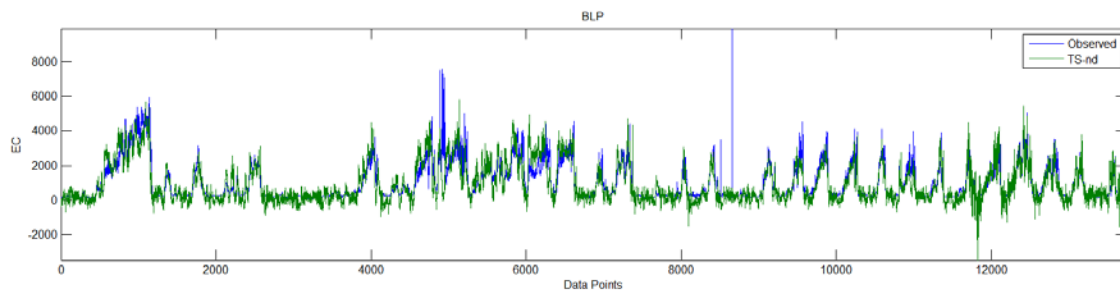
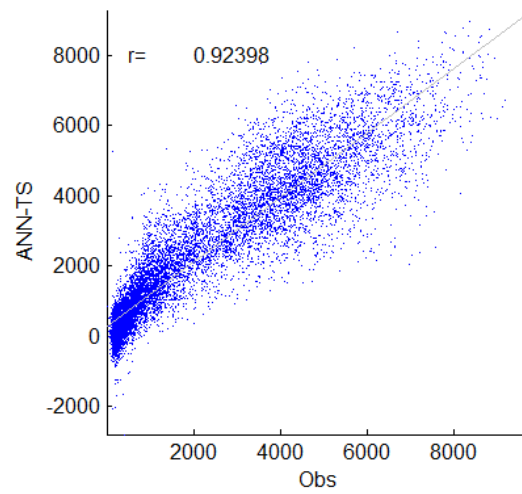
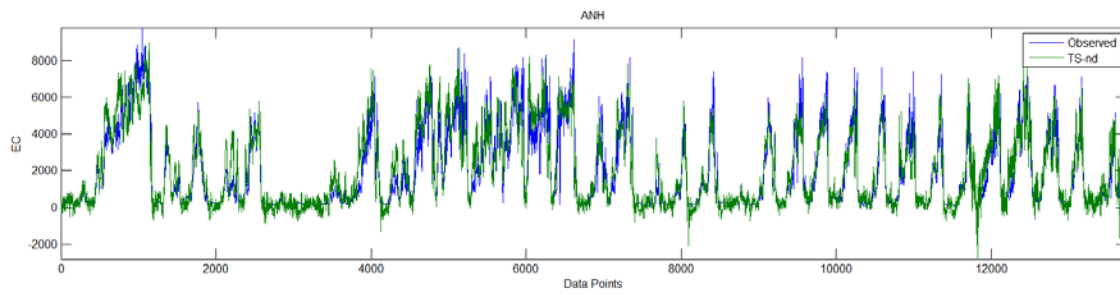


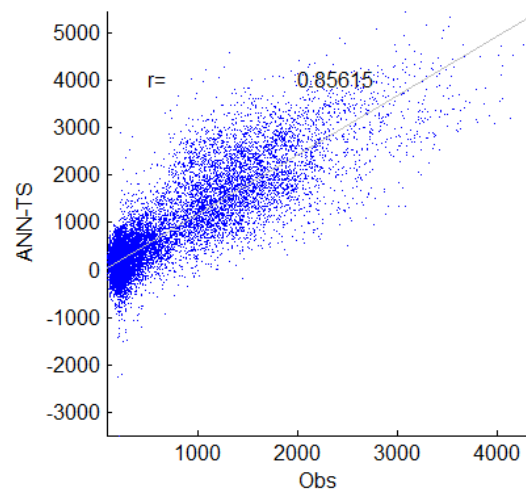
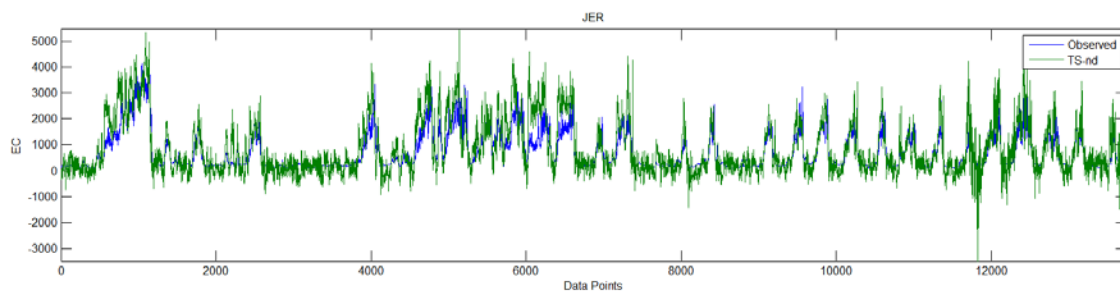
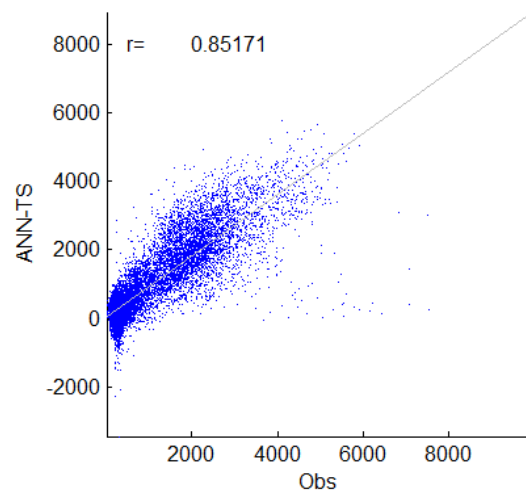
MODEL 5**2 Tide**

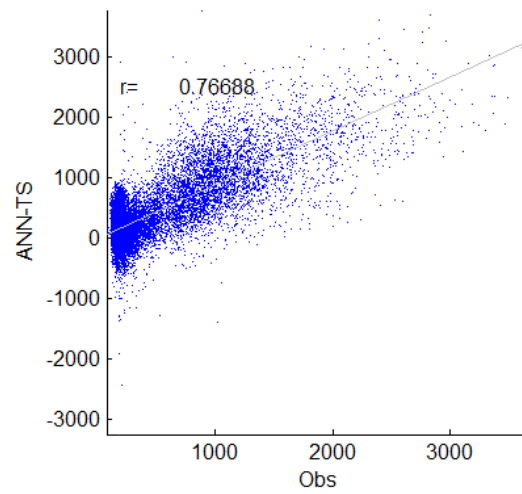
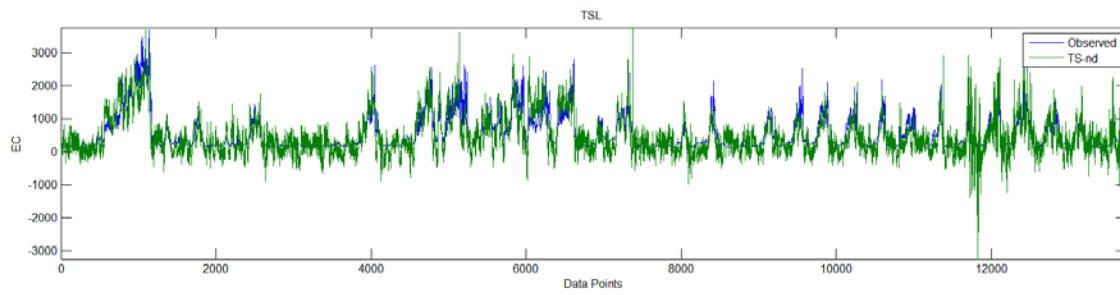


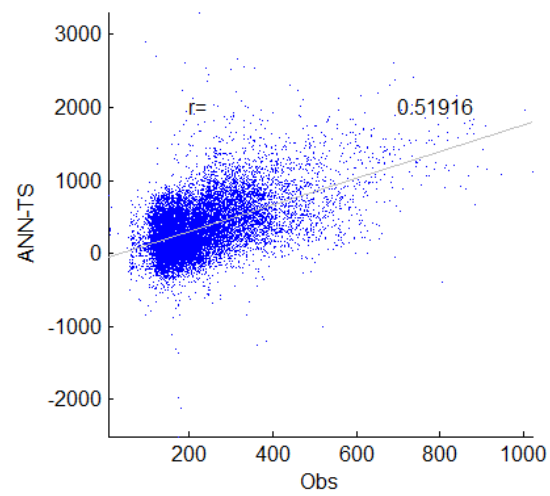
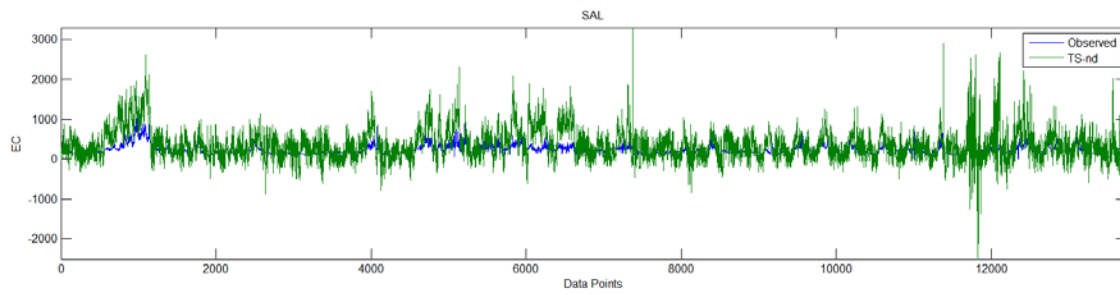


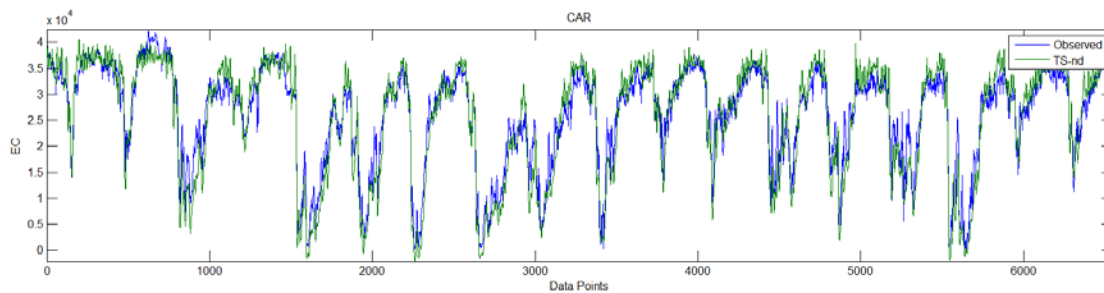
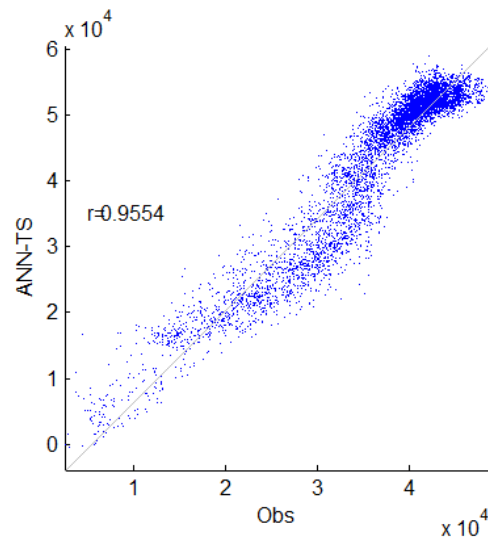
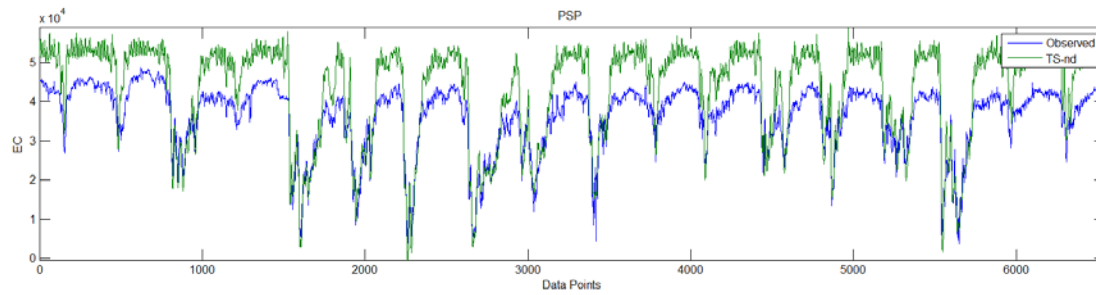


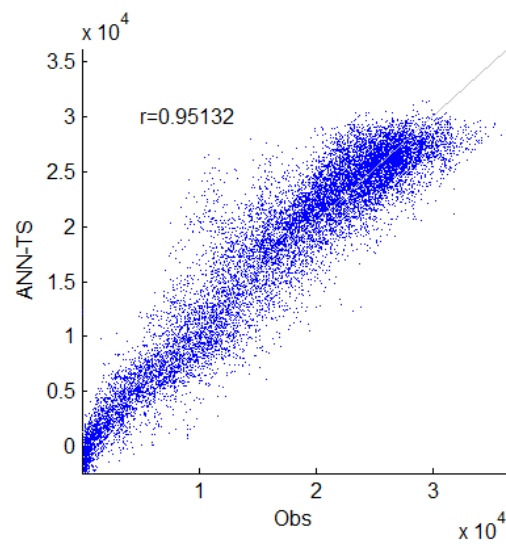
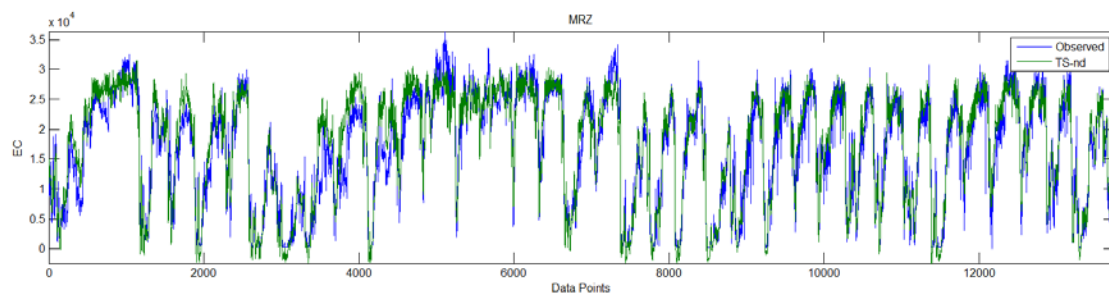
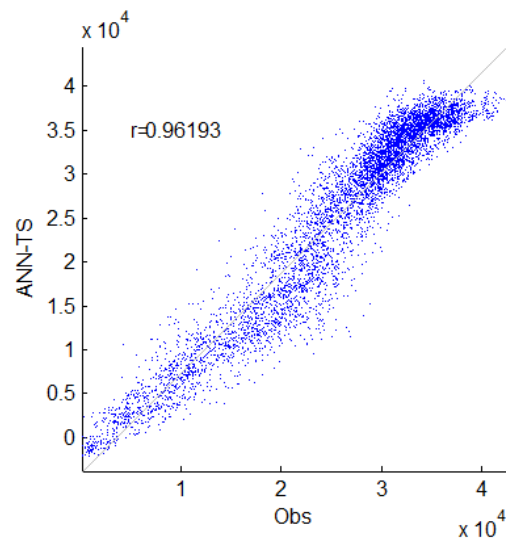


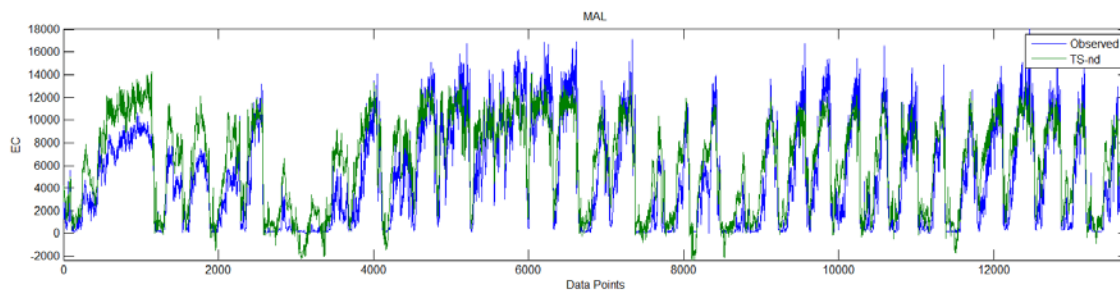
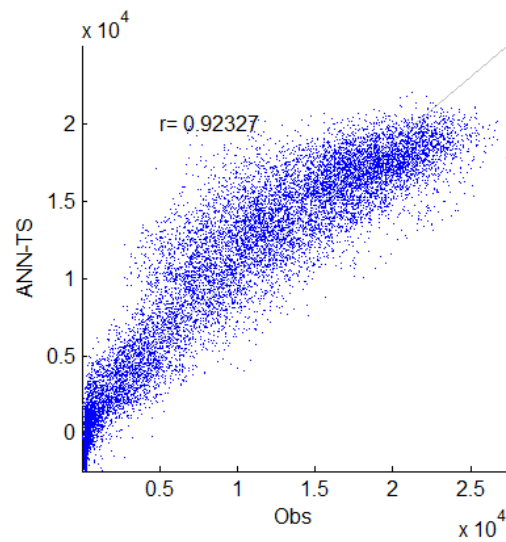
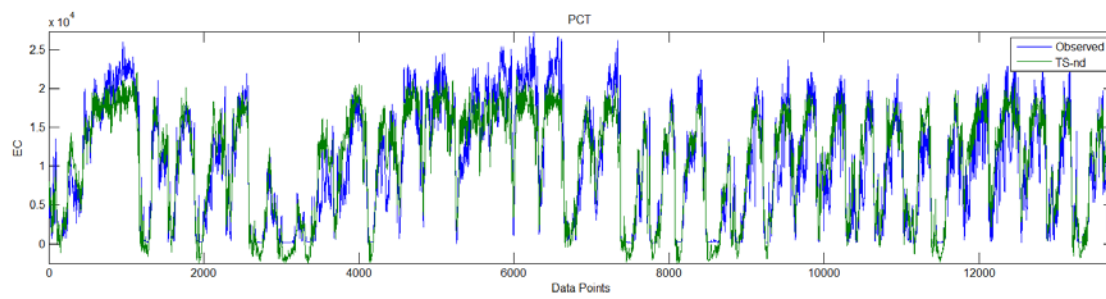


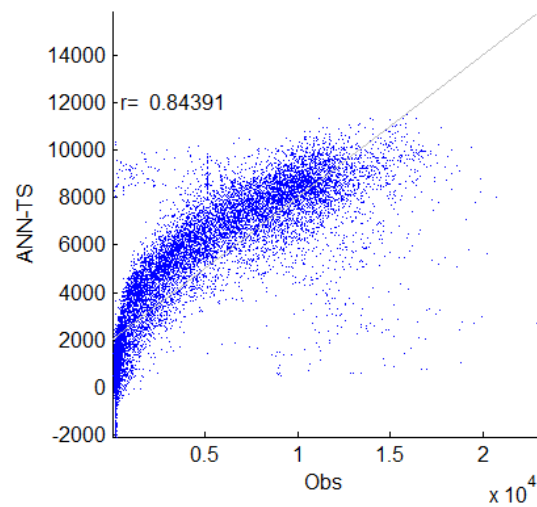
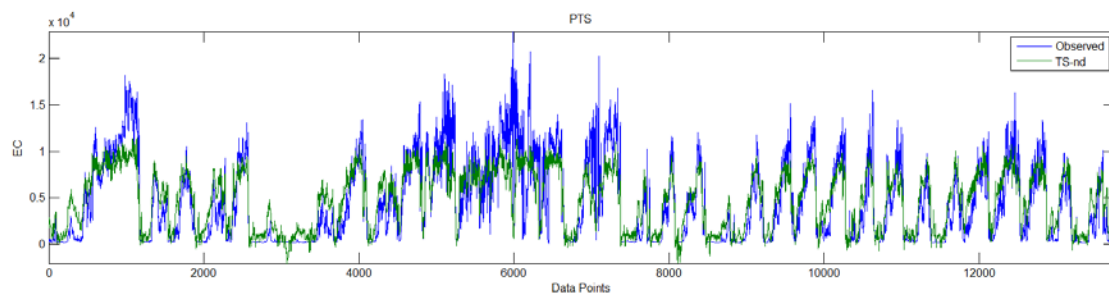
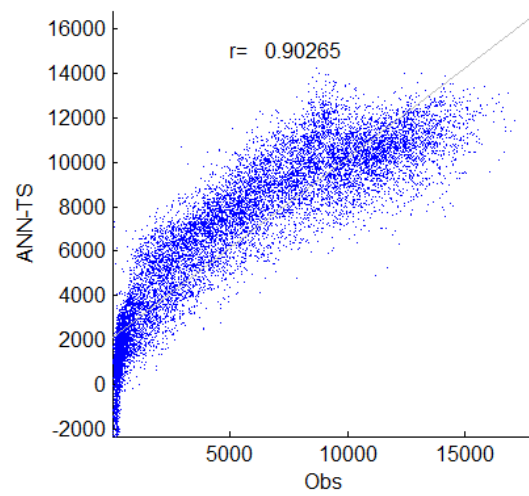


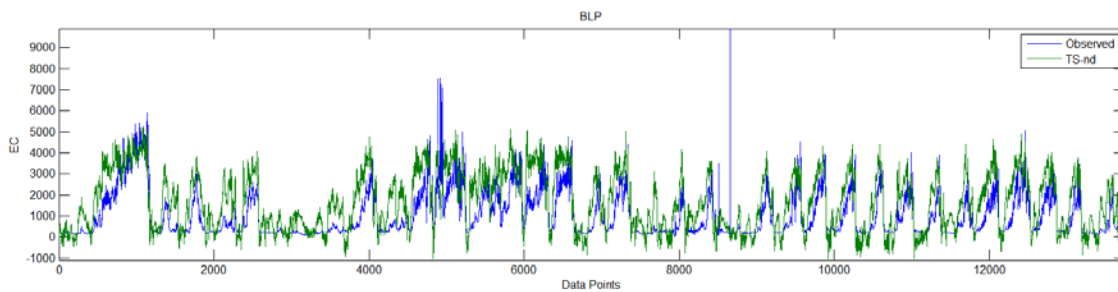
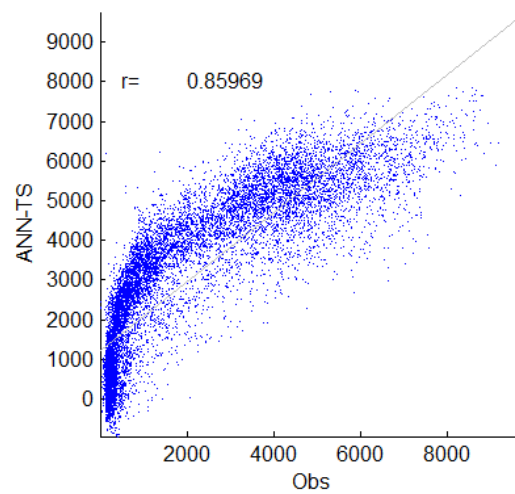
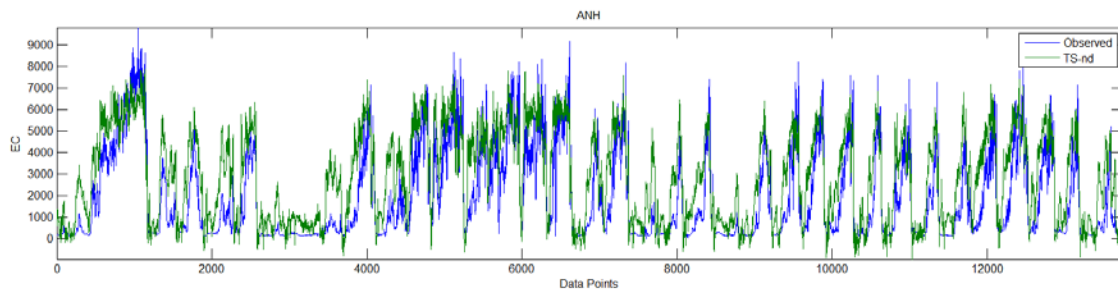


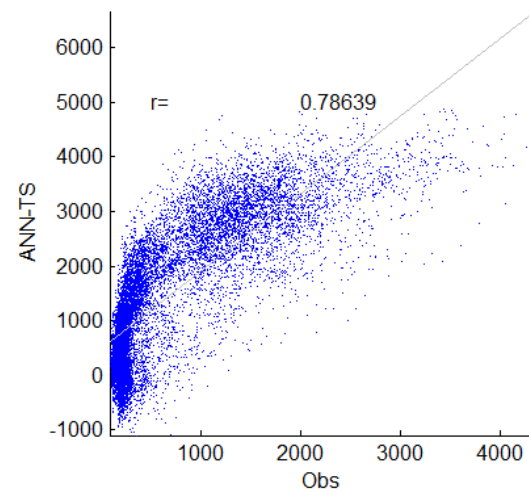
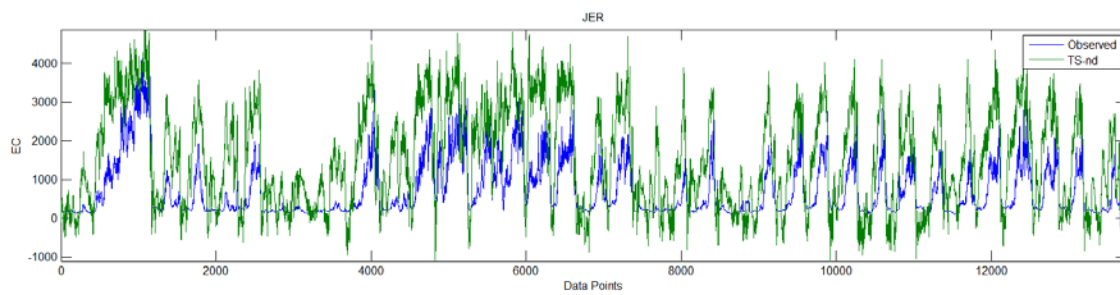
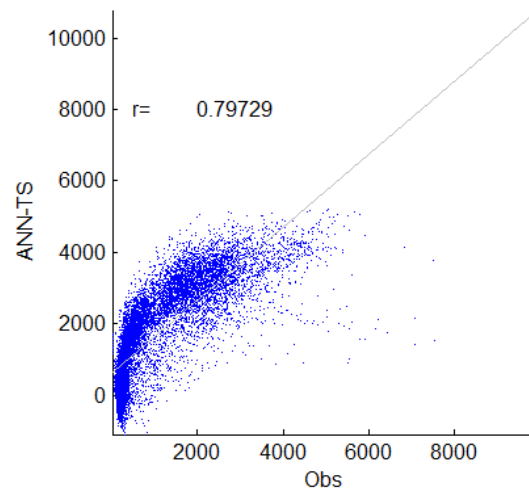
MODEL 6**1 Tide**

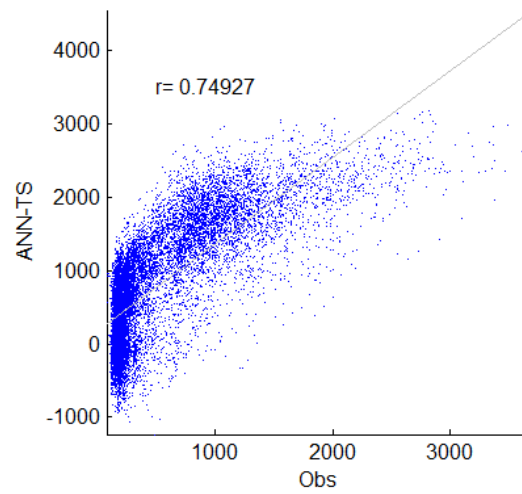
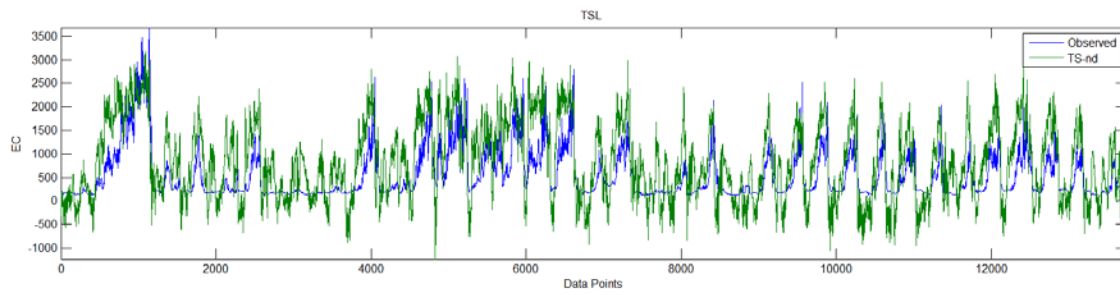


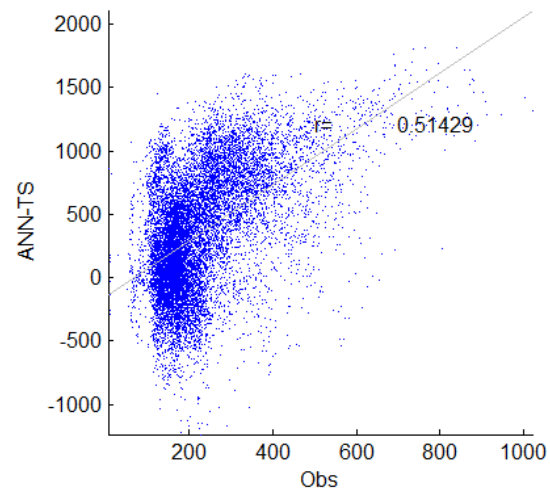
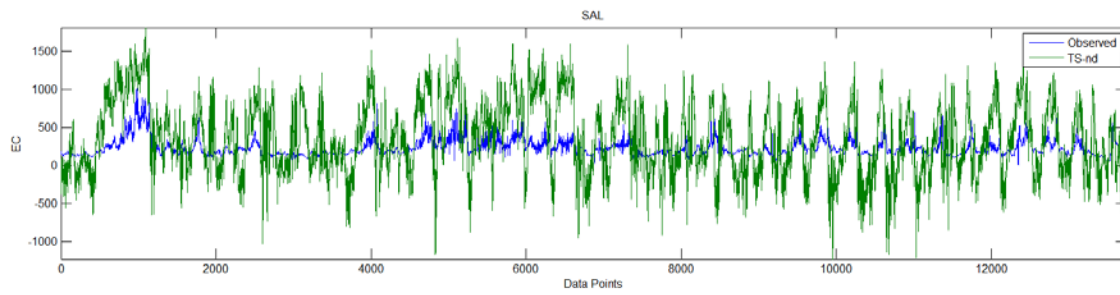


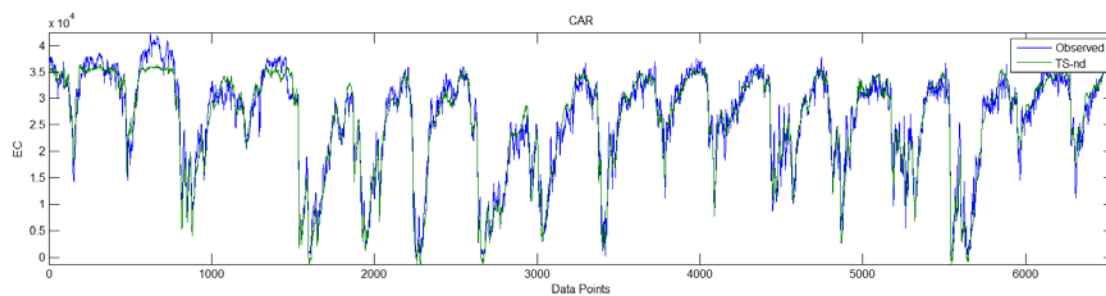
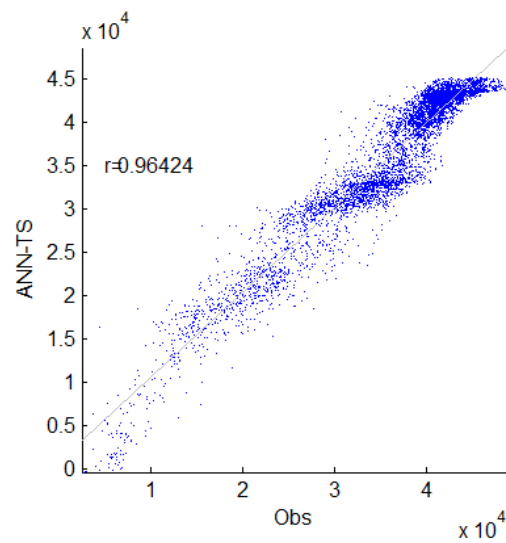
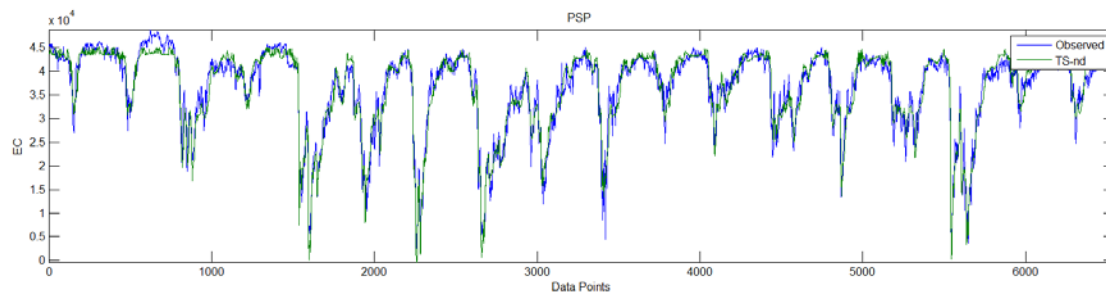


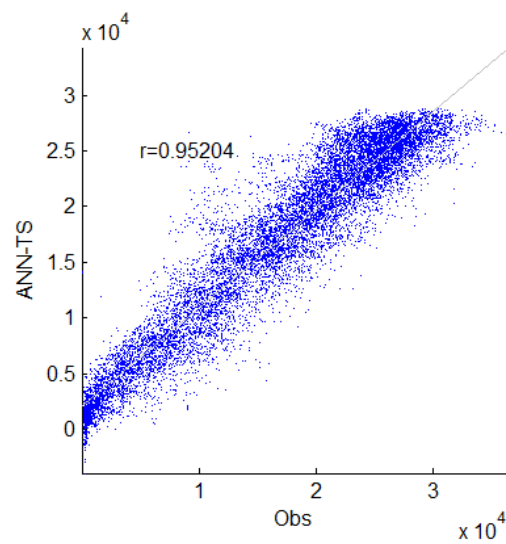
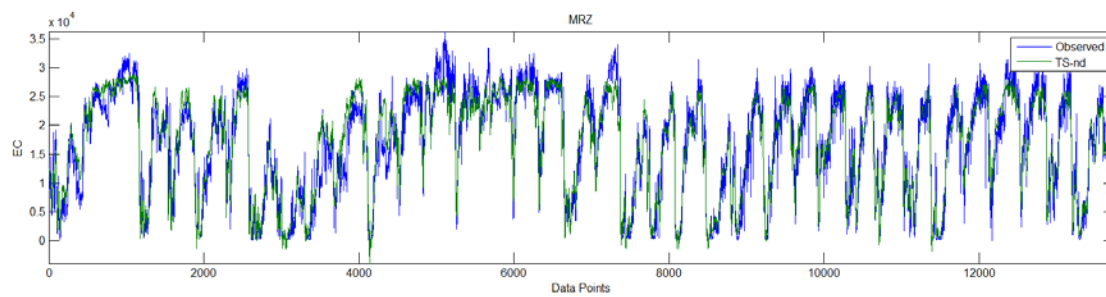
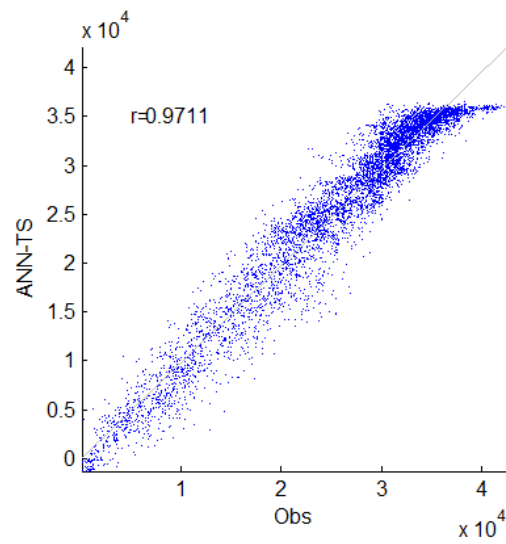


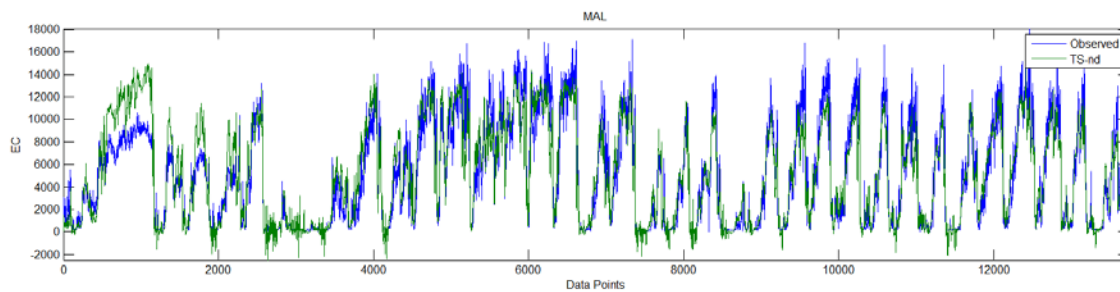
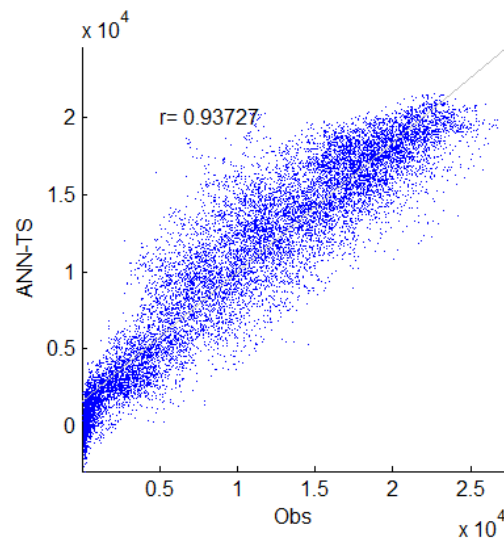
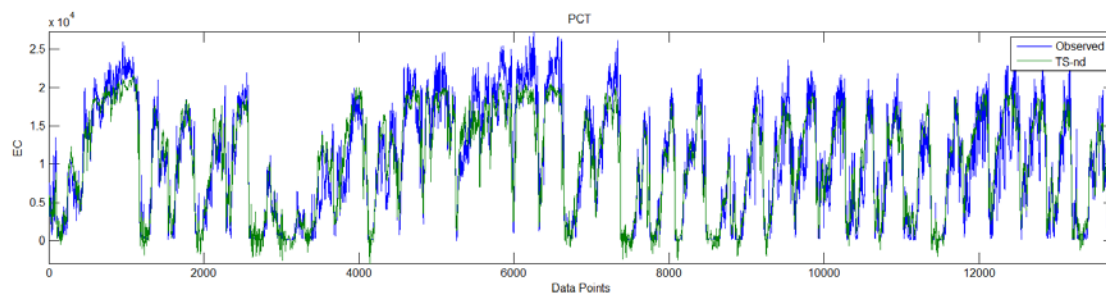


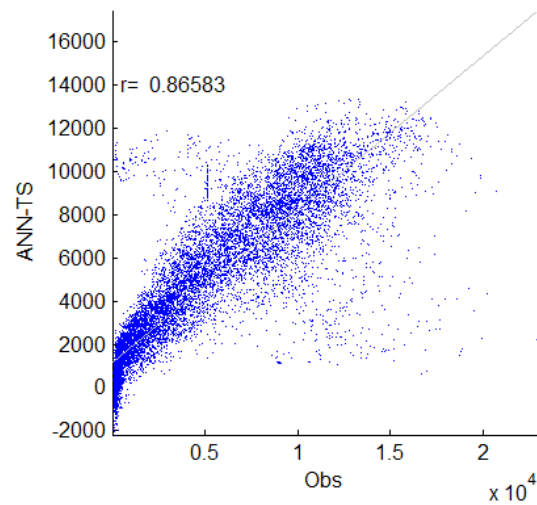
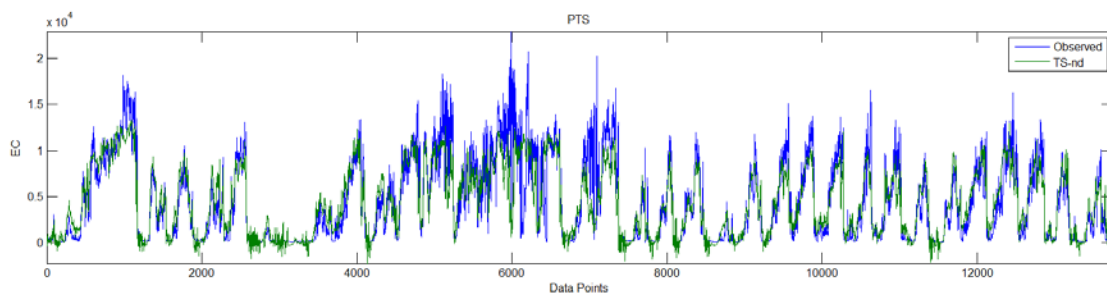
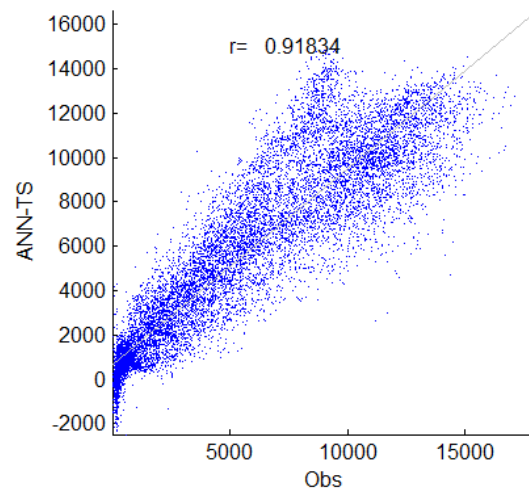


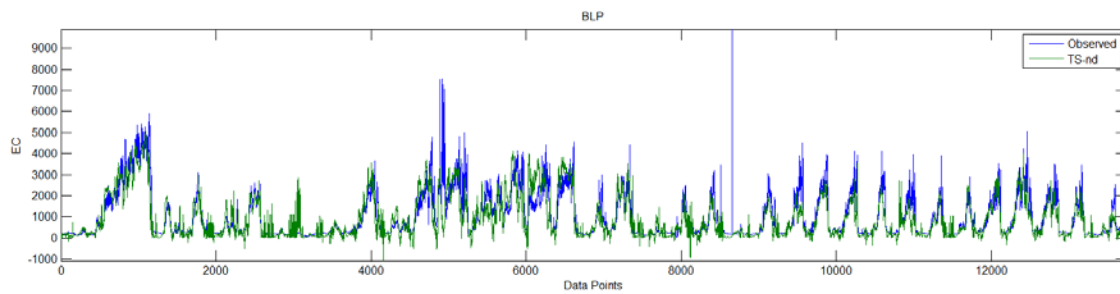
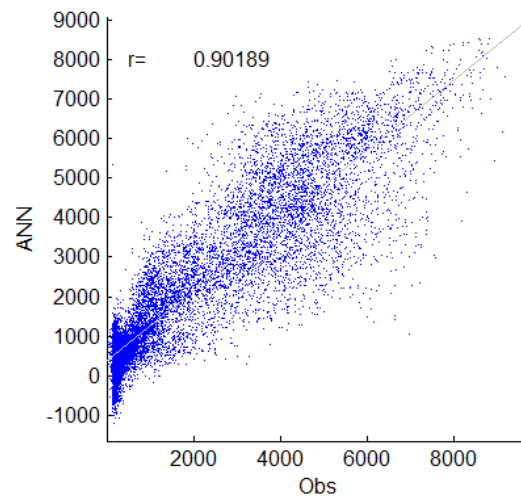
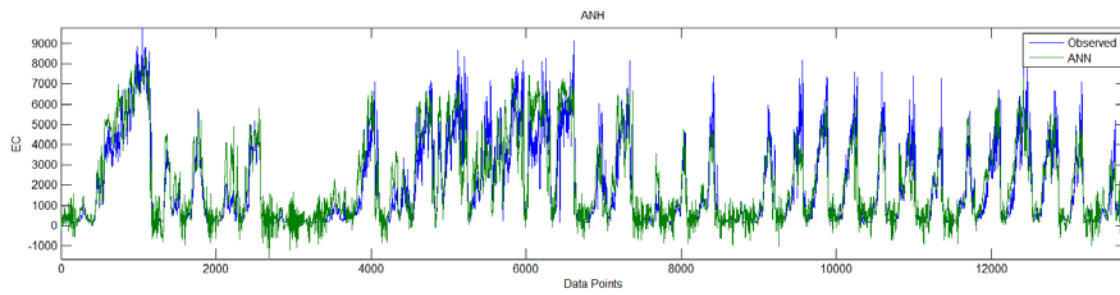


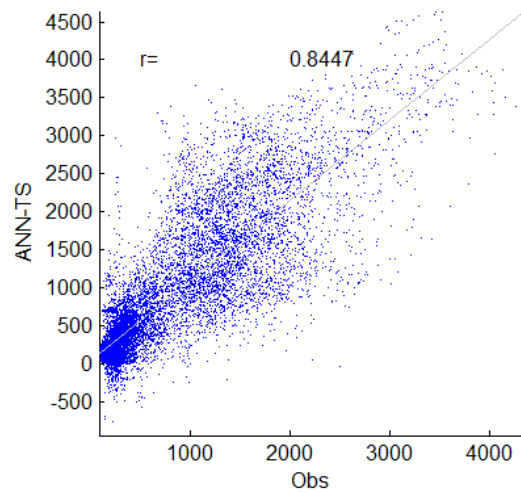
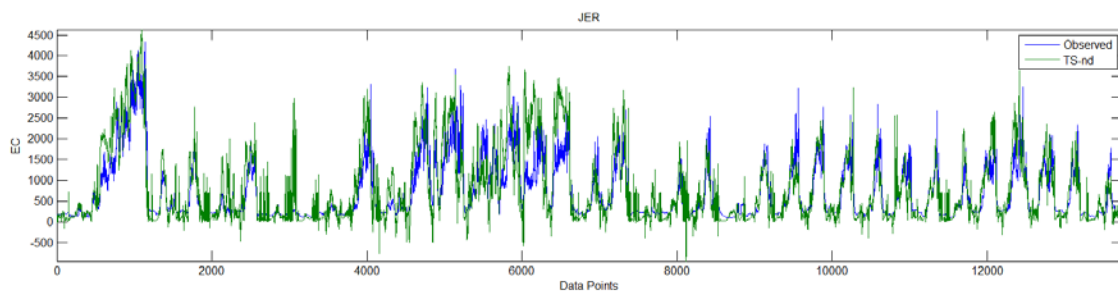
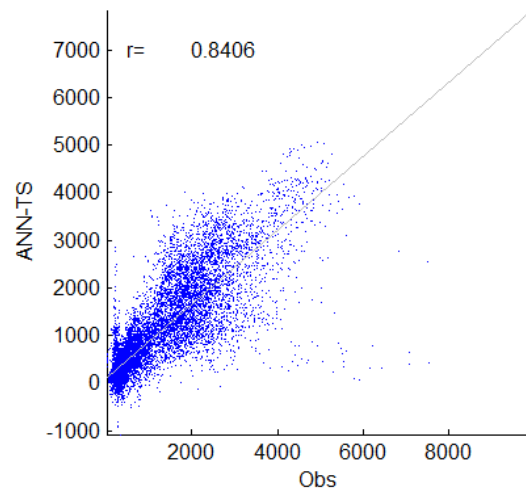
MODEL 7
No Tide

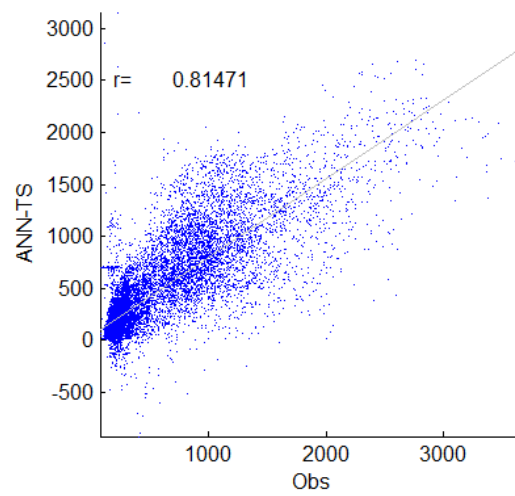
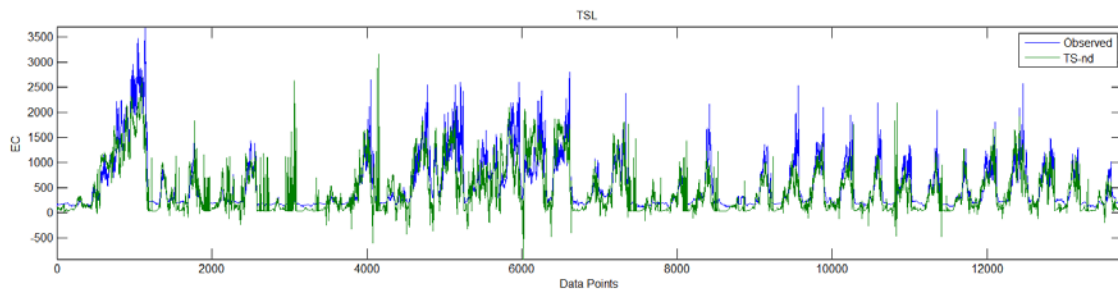


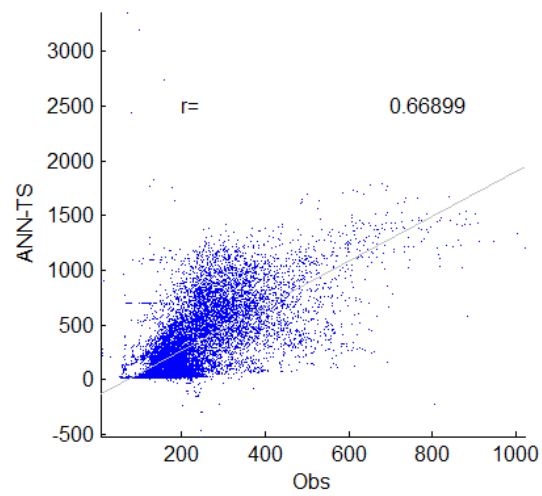
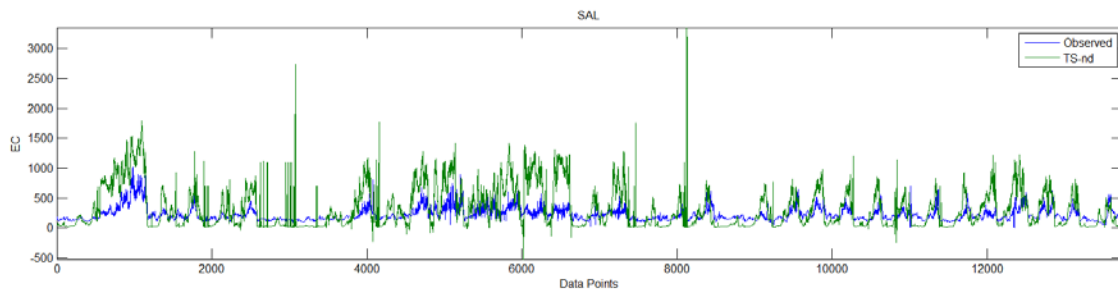


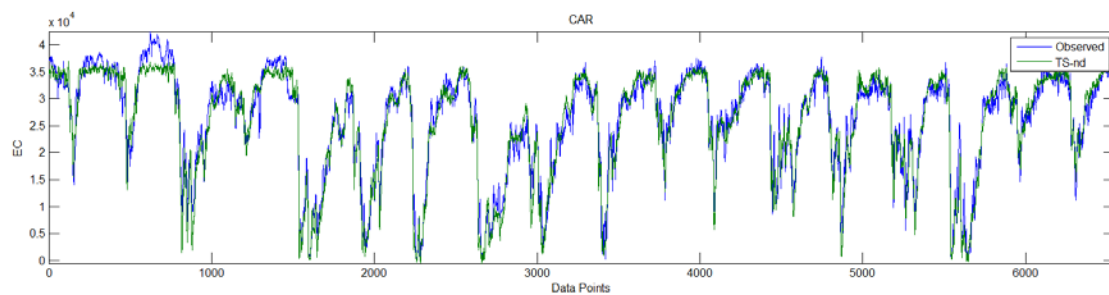
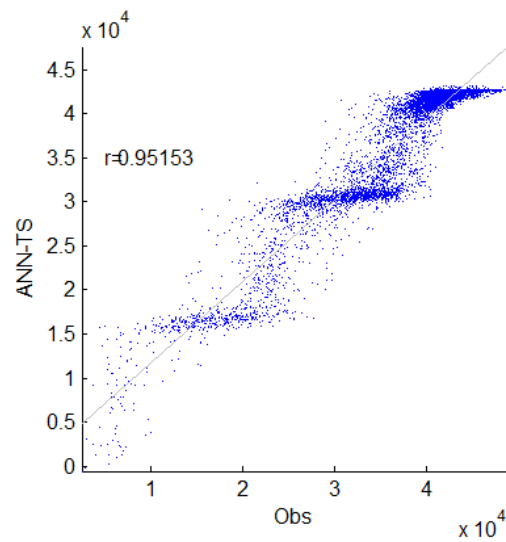
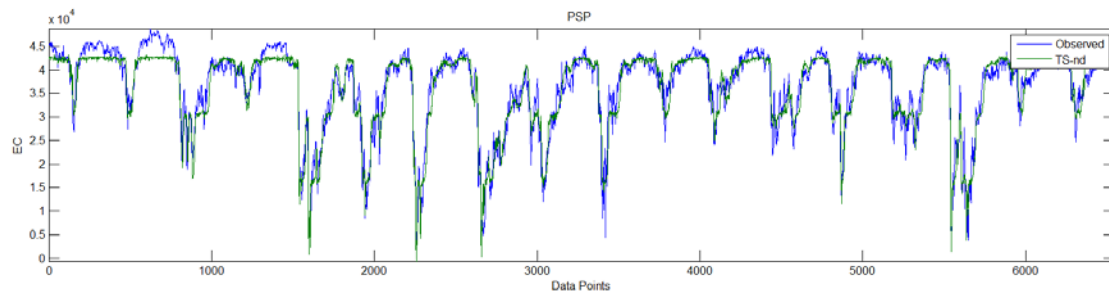


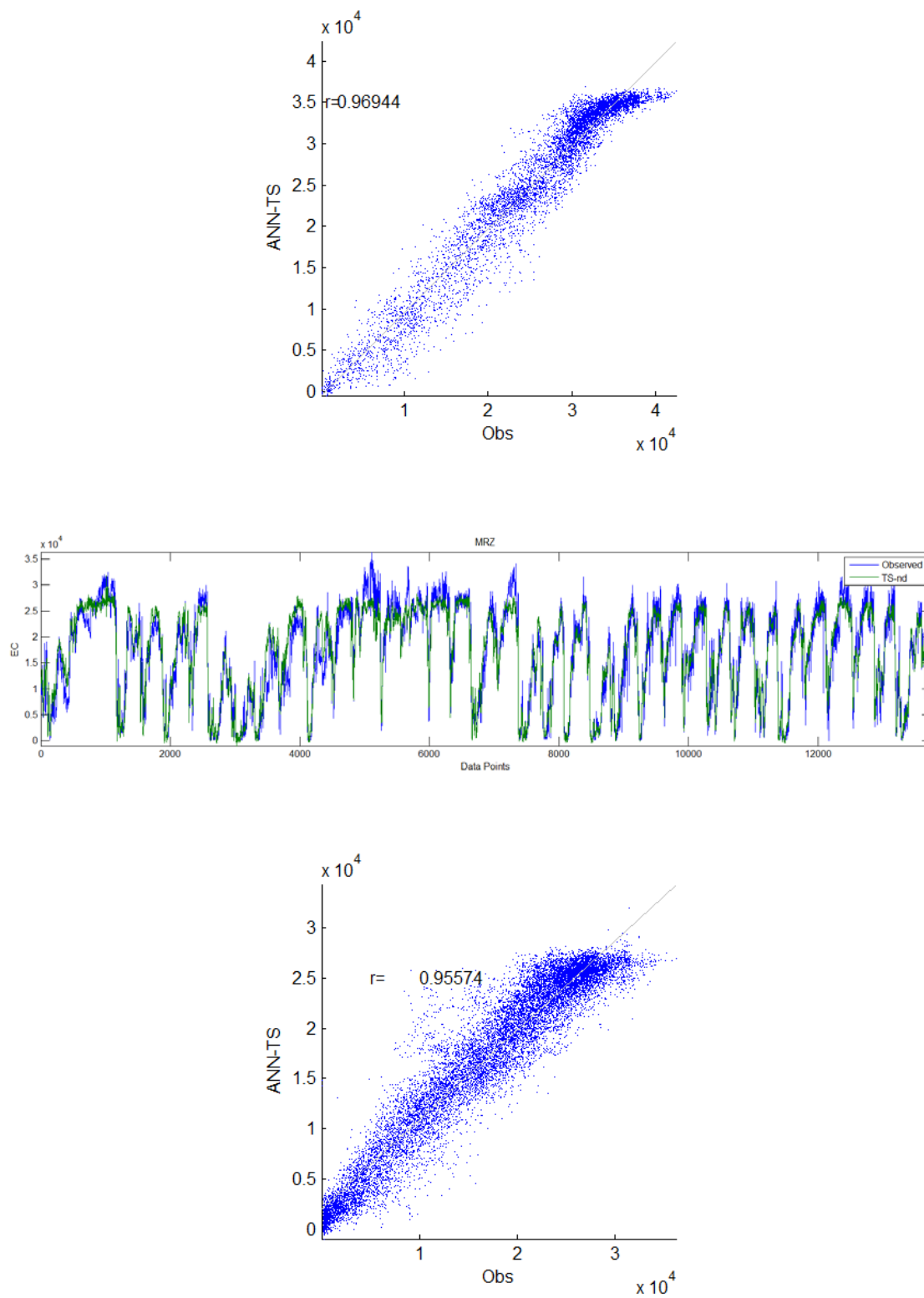


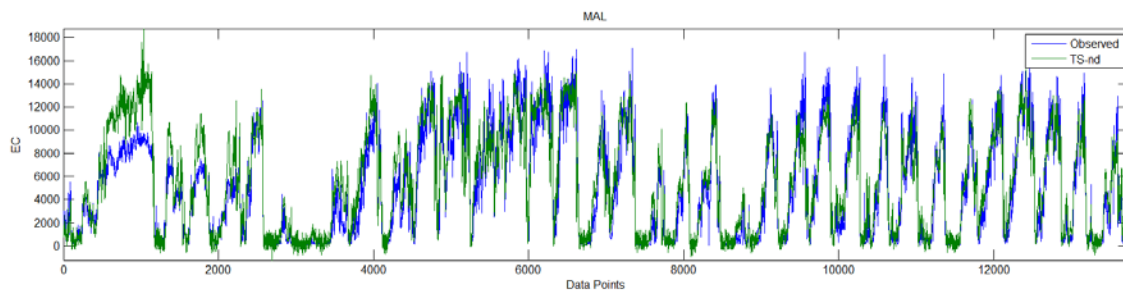
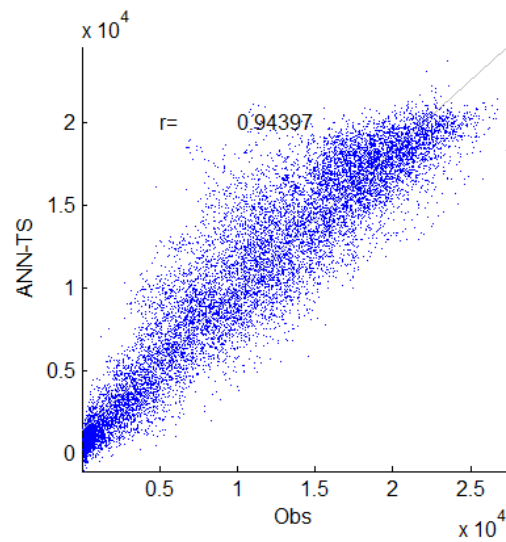
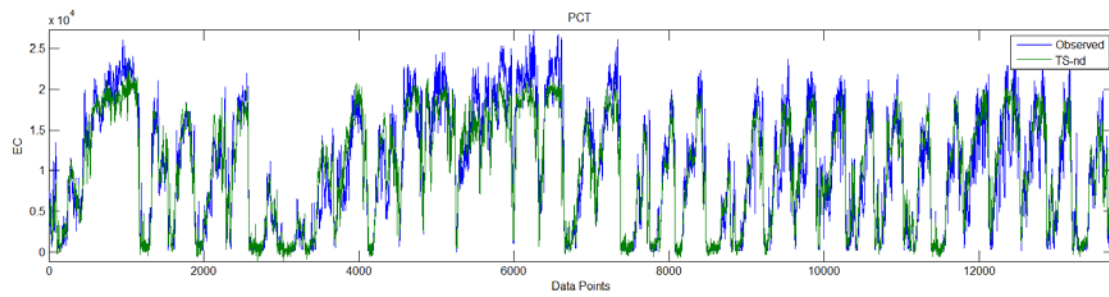


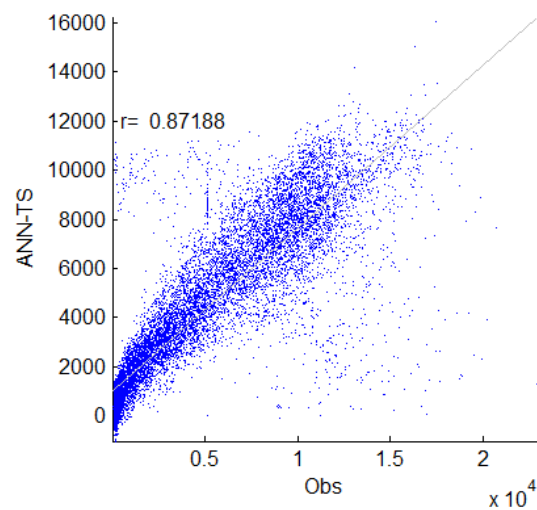
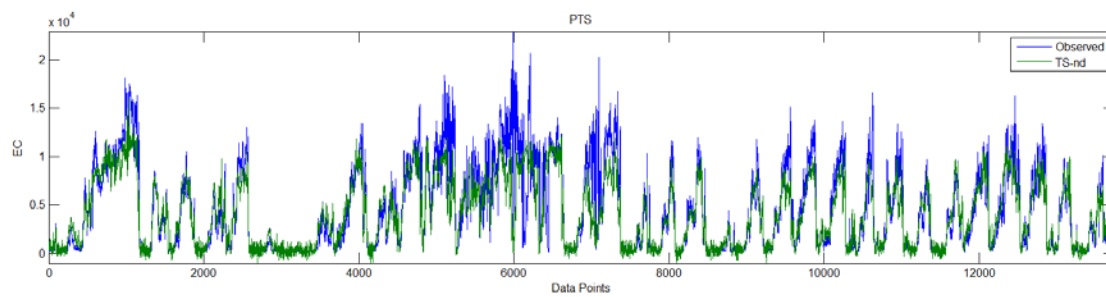
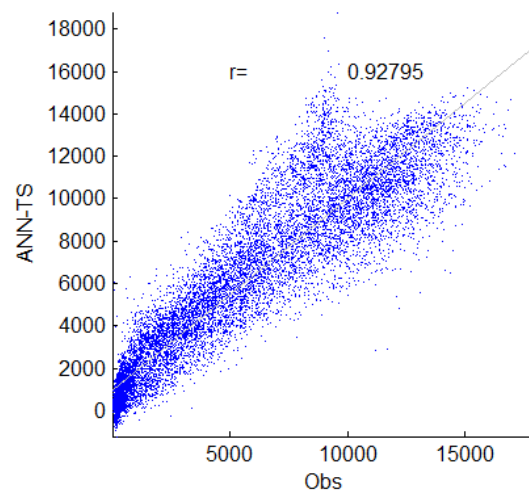


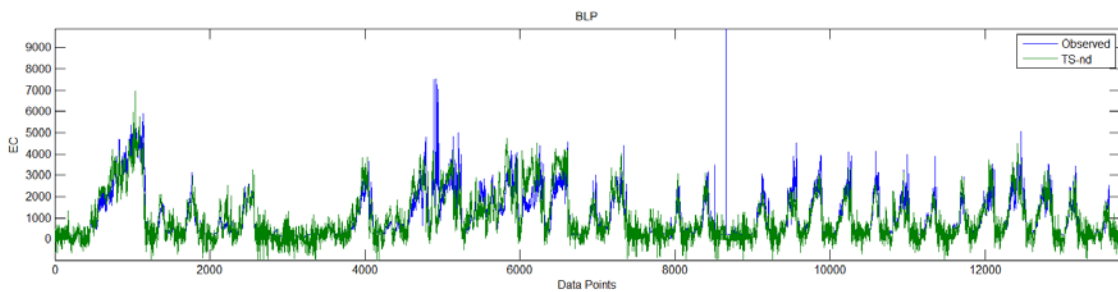
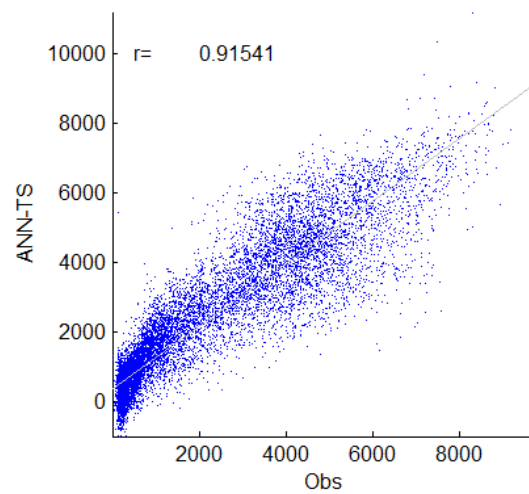
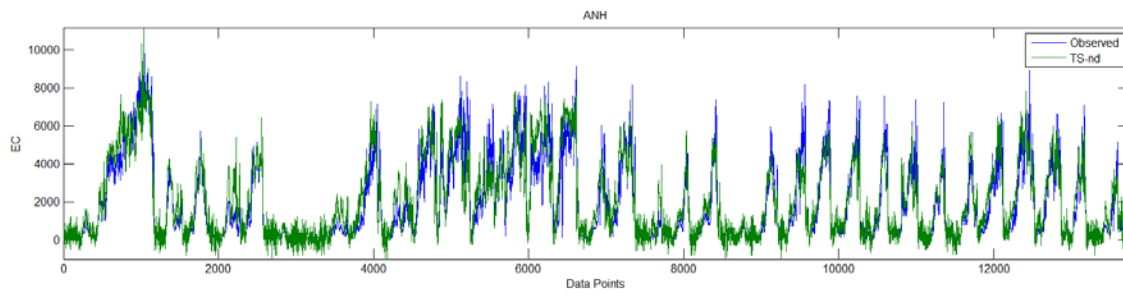


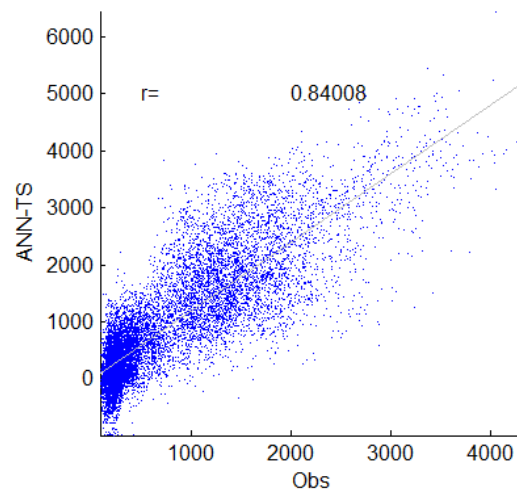
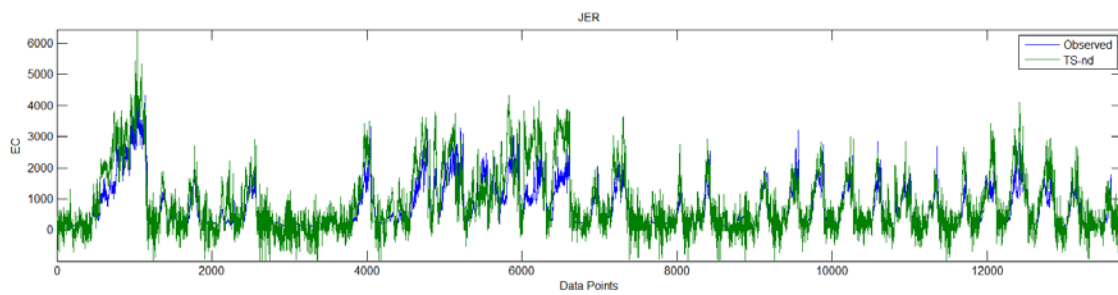
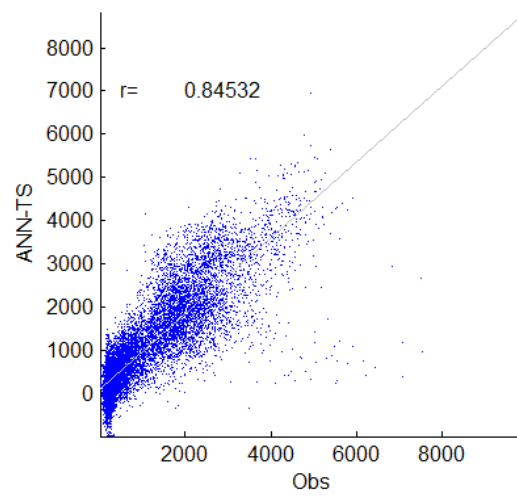
MODEL 8**Actual Tide at Golden Gate (MSL)**

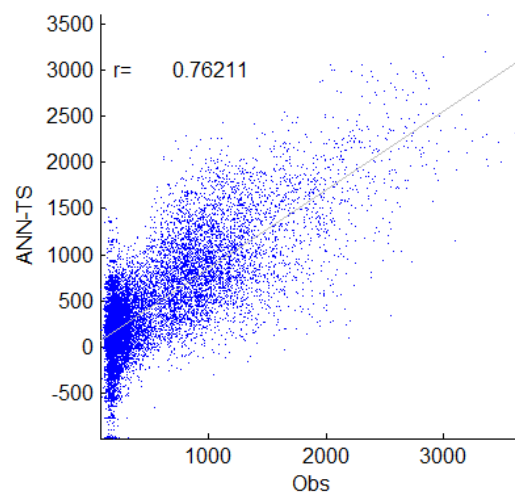
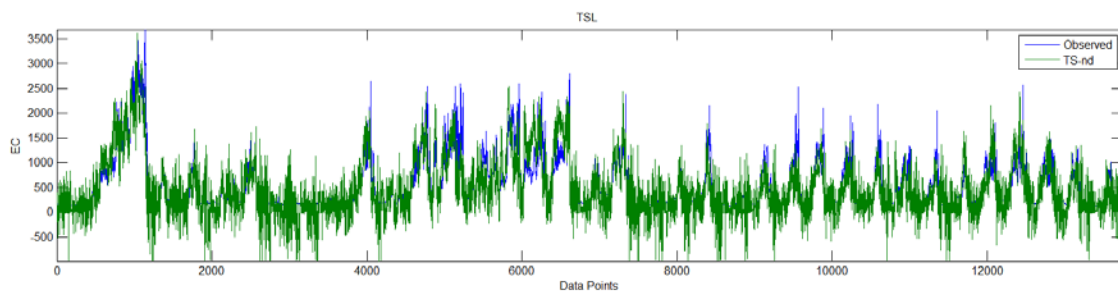


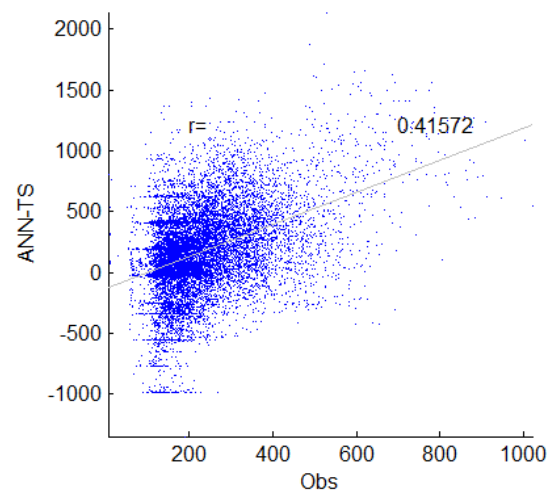
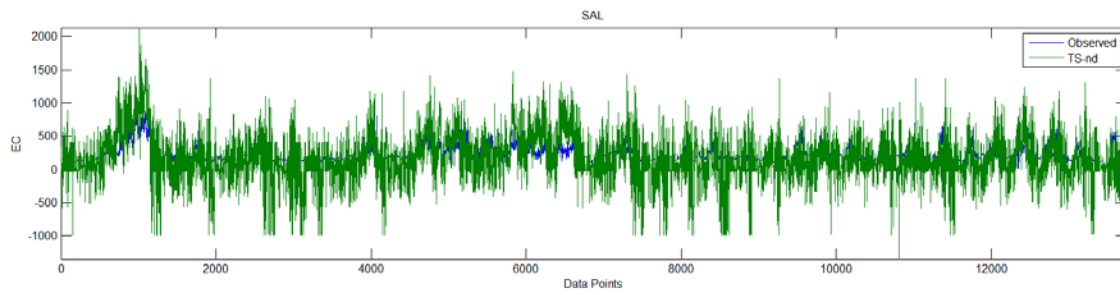


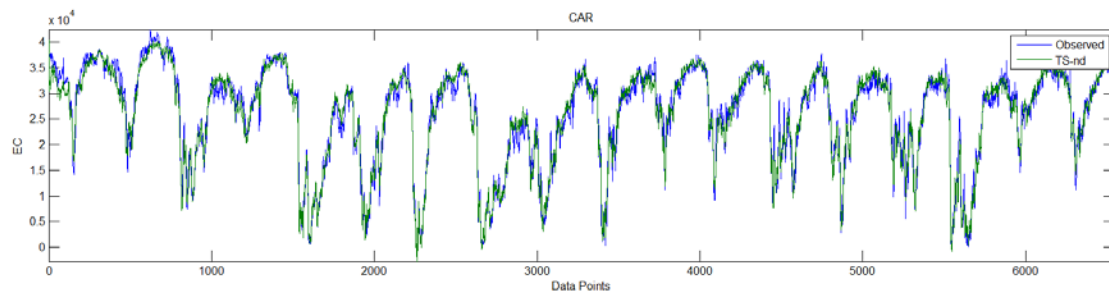
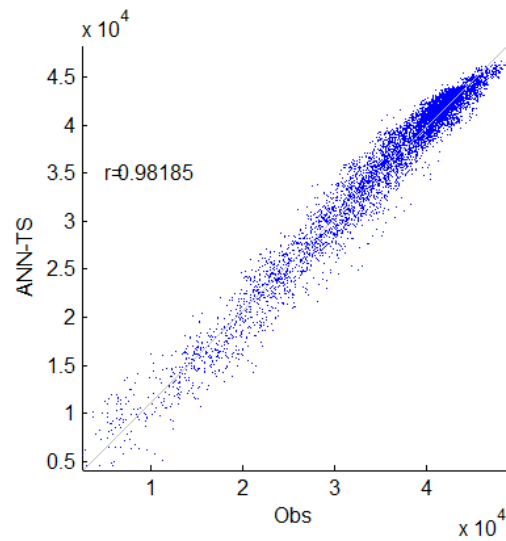
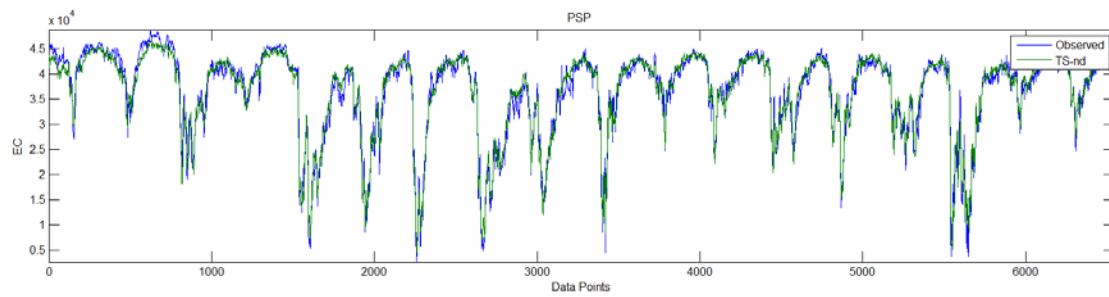


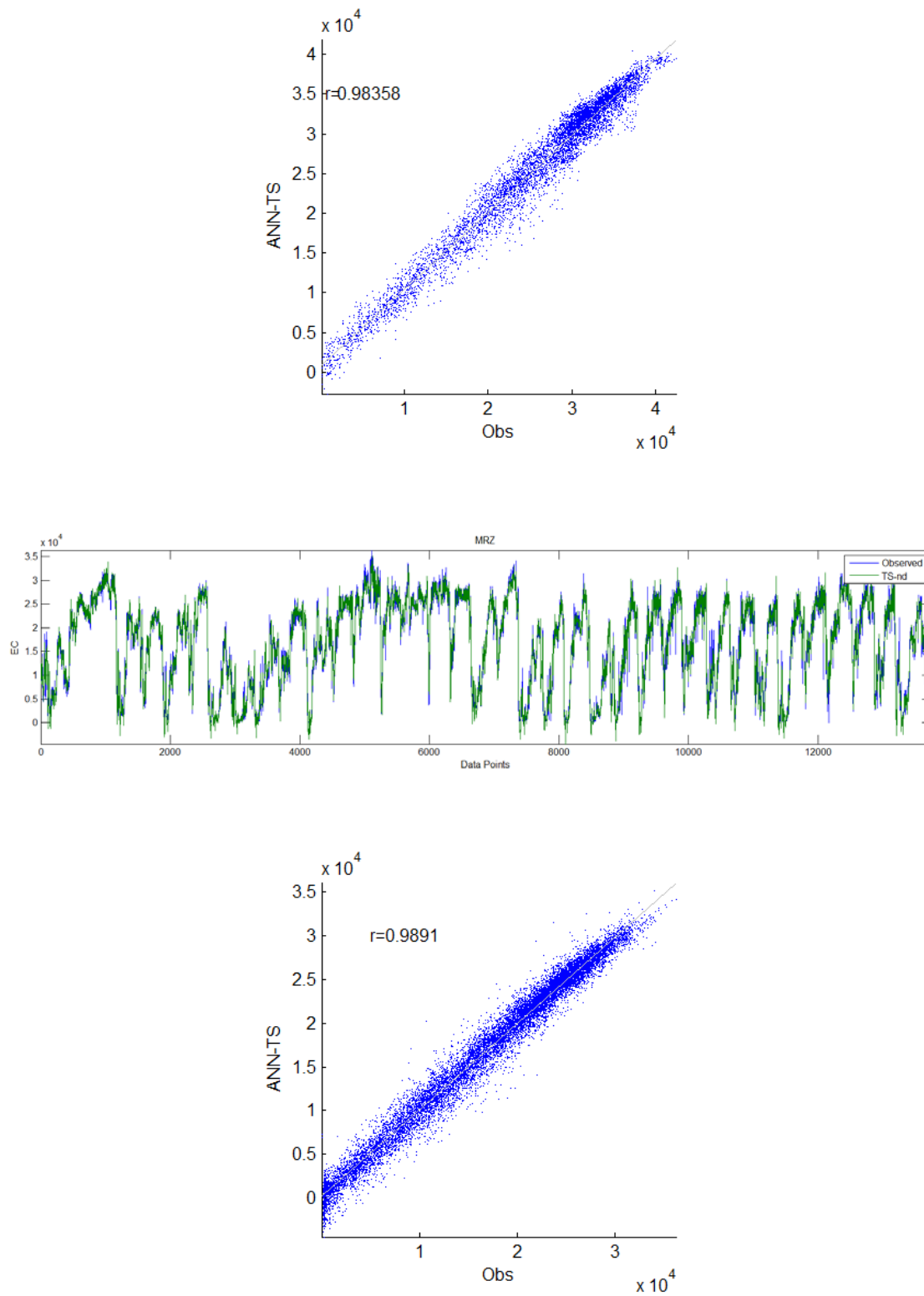


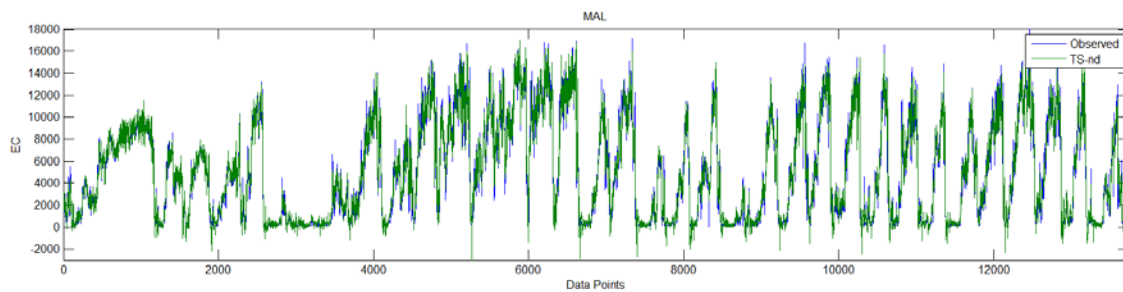
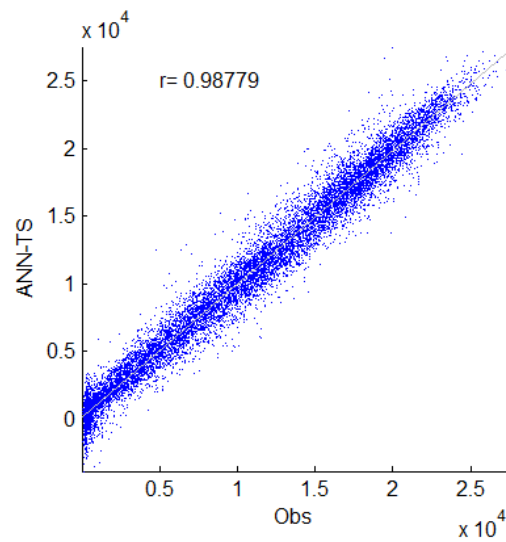
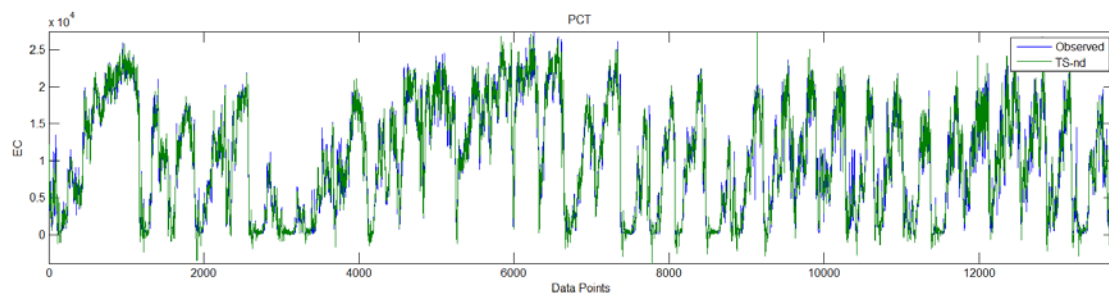


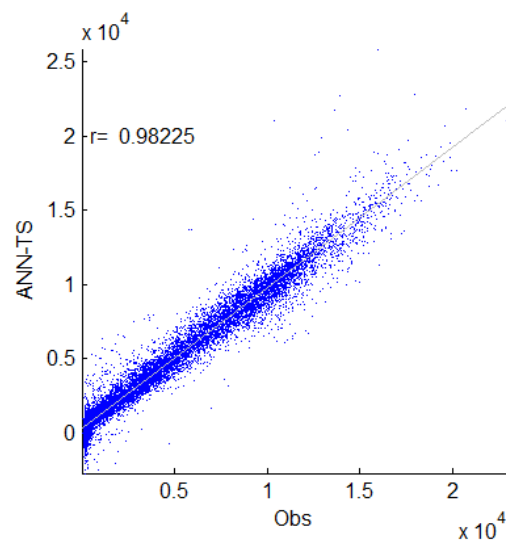
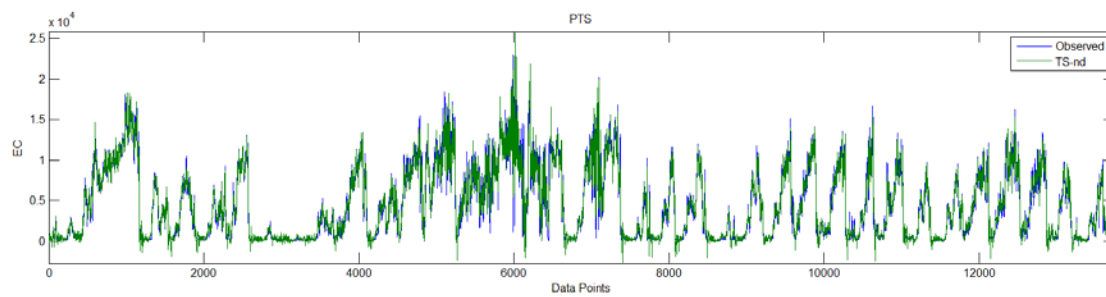
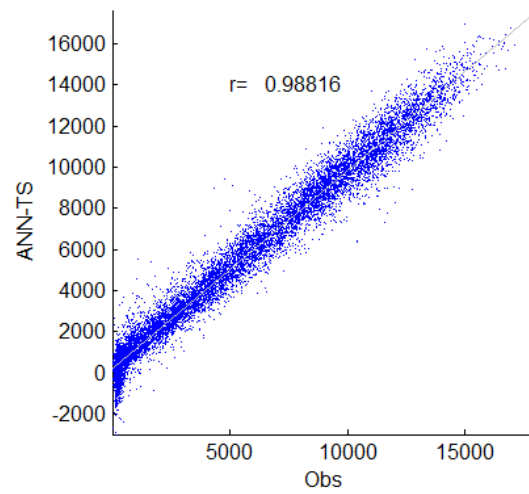


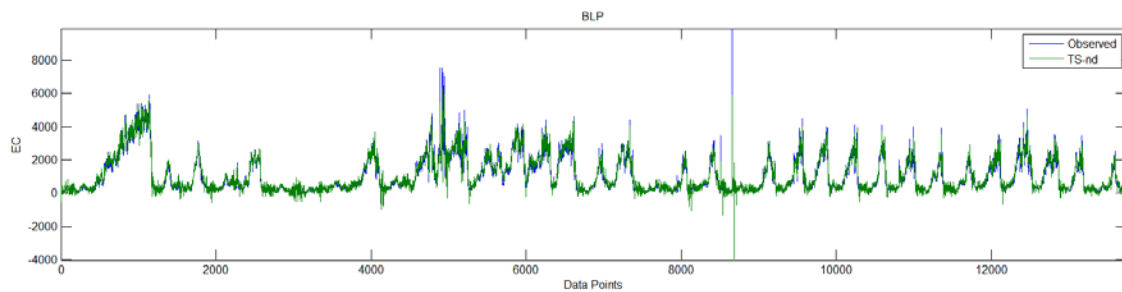
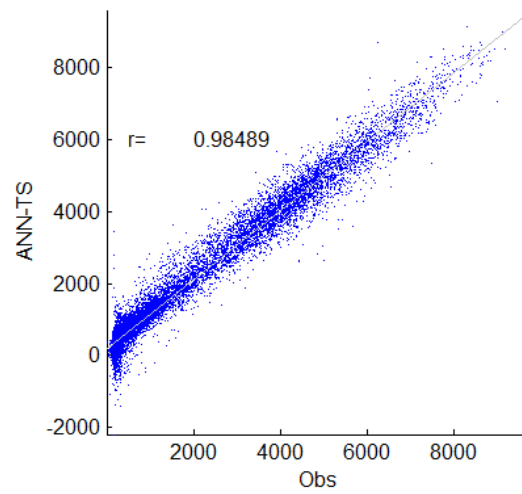
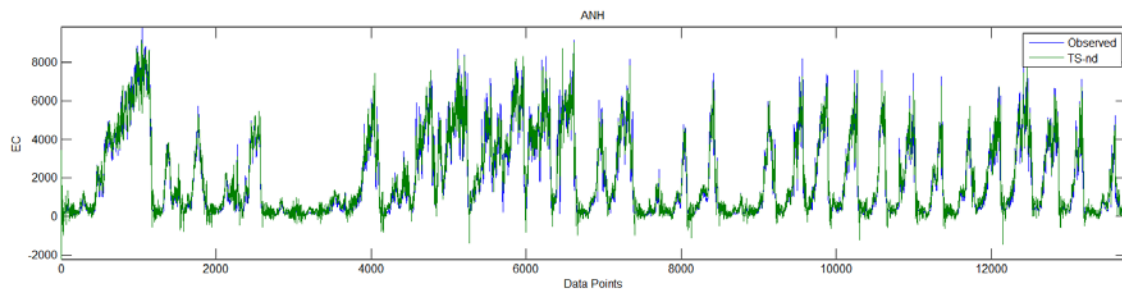


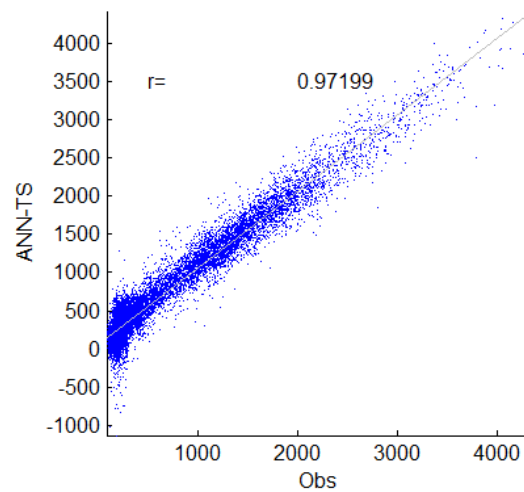
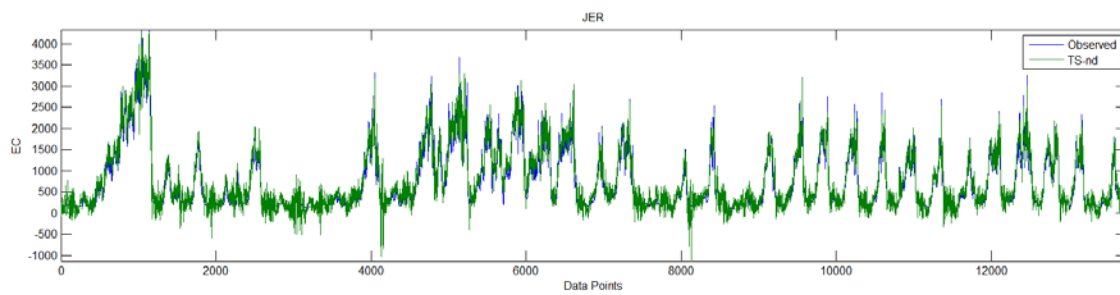
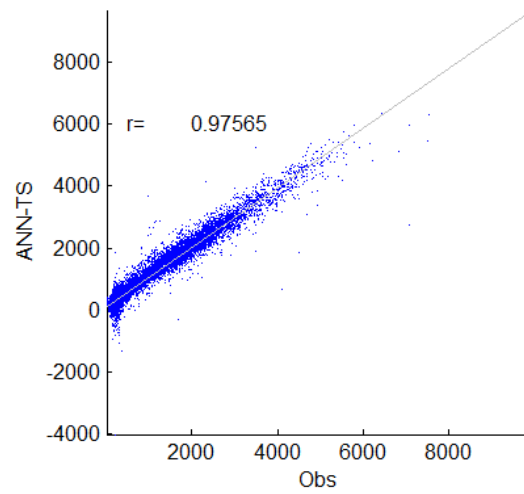
MODEL 9**30-Day Antecedent Salinity**

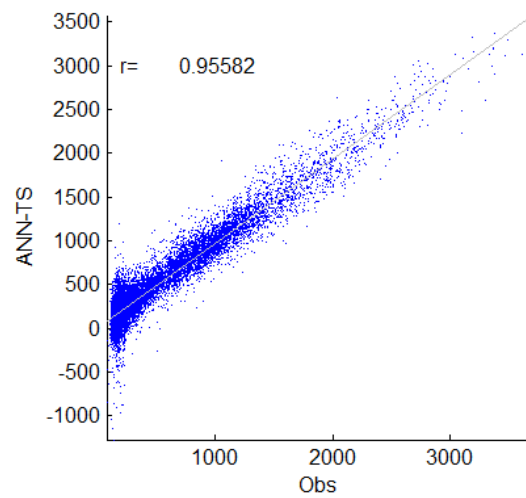
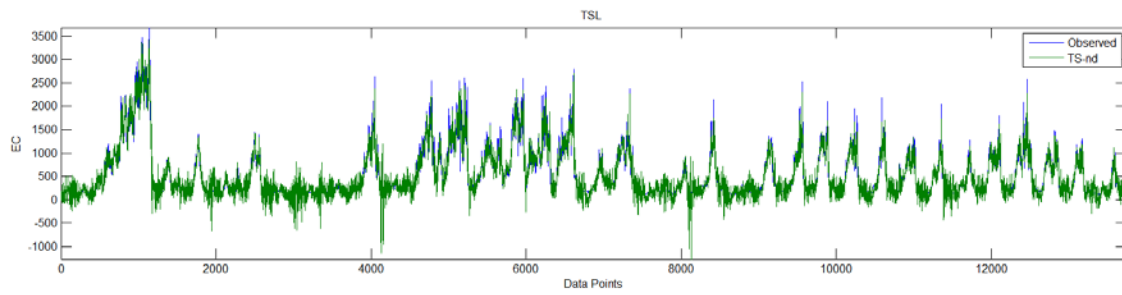


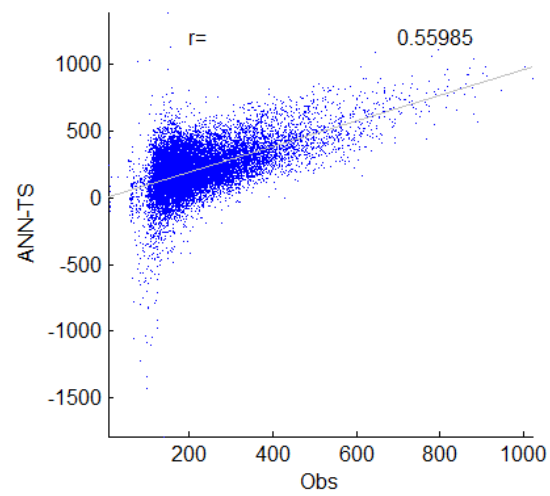
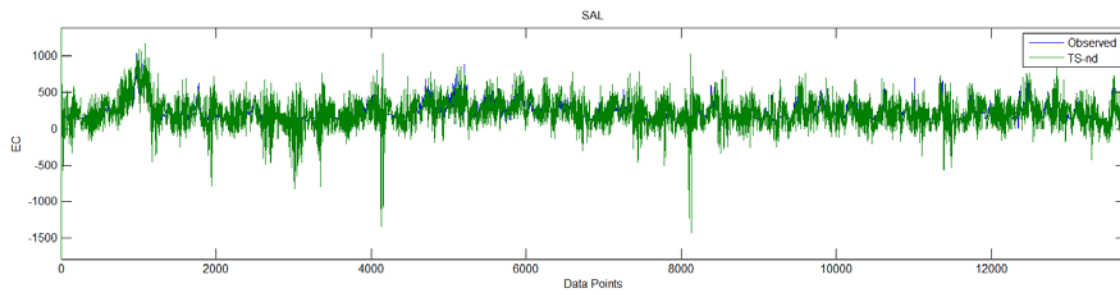












MODEL 10
NARX