BA – d=2, s≈0.983428, λ≈1.88e+05, m̂≈-0.0000, J_val≈9.807904e-02
RMSEtr = 0.6173, RMSEvl = 0.3132, RMSEts = 1.2701, RMSEtv = 0.5571
RMSEWtr = 0.5488, RMSEWvl = 0.2501, RMSEWts = 1.5351, RMSEWtv = 0.458