SNPS – d=2, s≈0.912940, λ≈276, m̂≈0.0000, J_val≈6.919967e-01
RMSEtr = 0.4711, RMSEvl = 0.8319, RMSEts = 3.3376, RMSEtv = 0.5826
RMSEWtr = 0.3599, RMSEWvl = 1.0441, RMSEWts = 3.8615, RMSEWtv = 0.632