SNPS − d=1, s≈0.981635, λ≈725, m̂≈0.0007, J_val≈1.111735e-01
RMSEtr = 0.1899, RMSEvl = 0.3334, RMSEts = 0.4261, RMSEtv = 0.2341
RMSEWtr = 0.2082, RMSEWvl = 0.3869, RMSEWts = 0.4066, RMSEWtv = 0.274