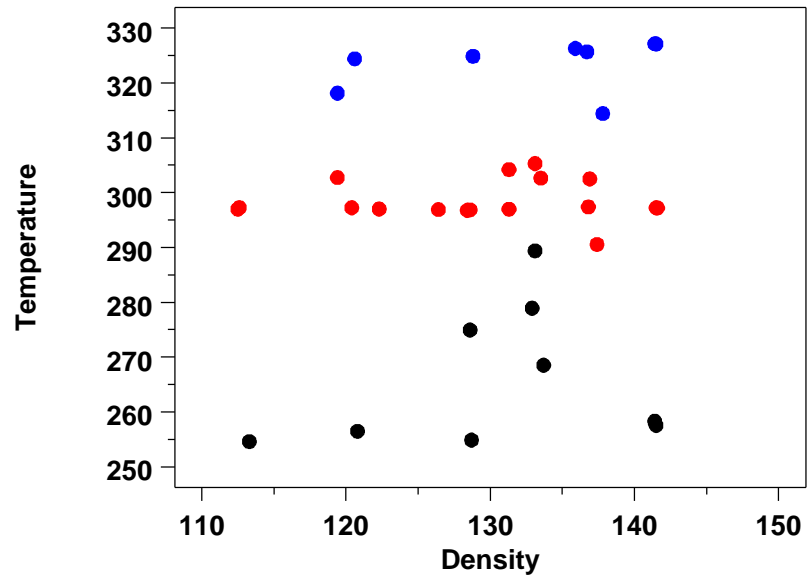
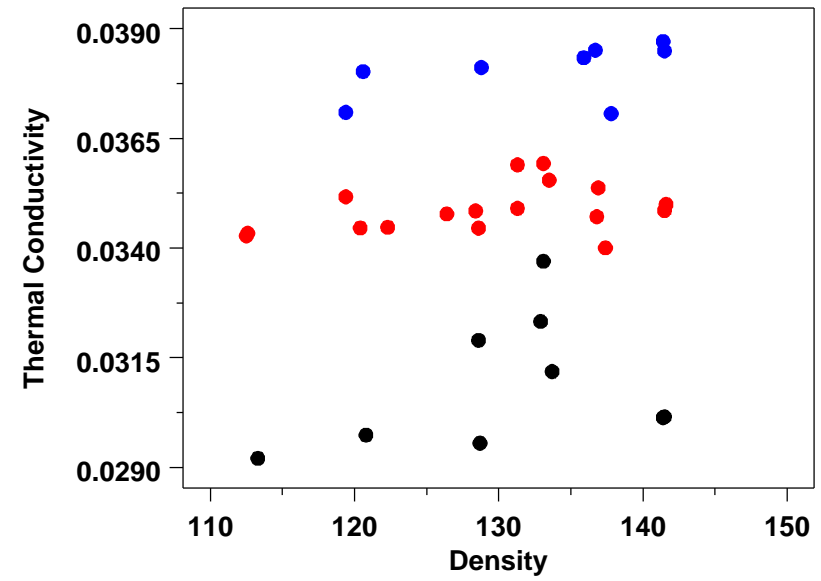
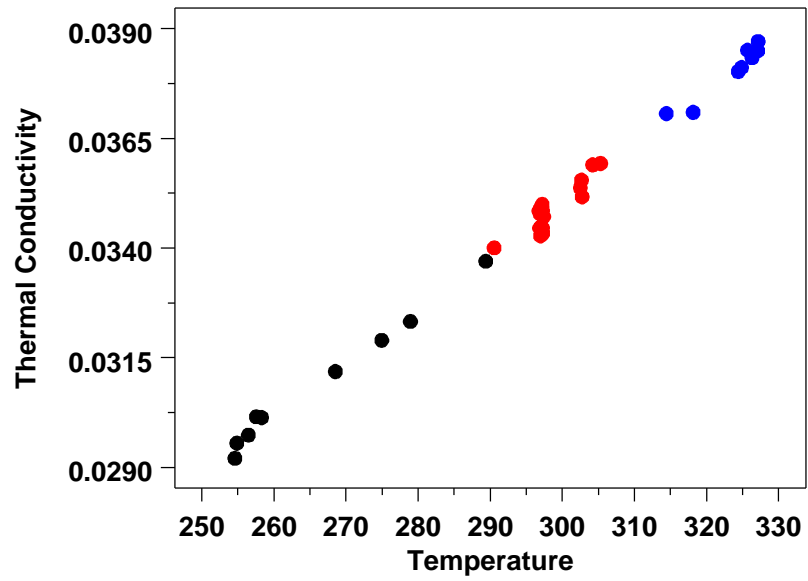
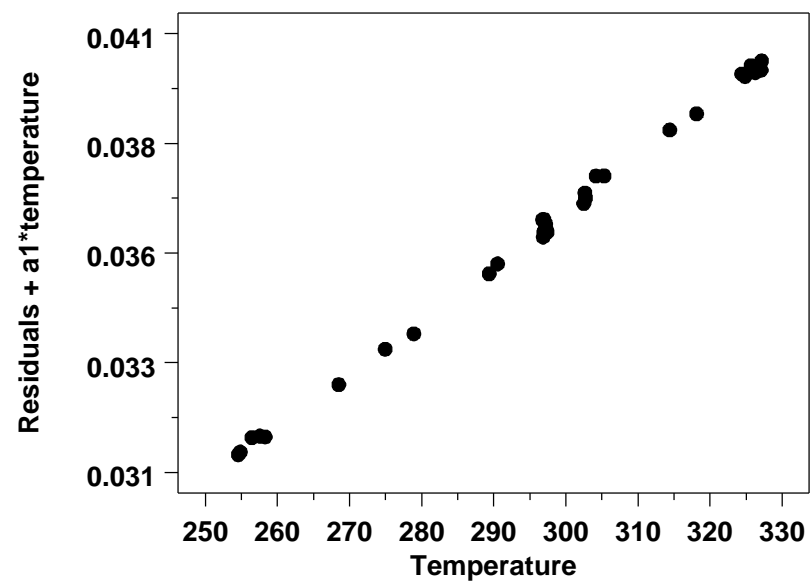
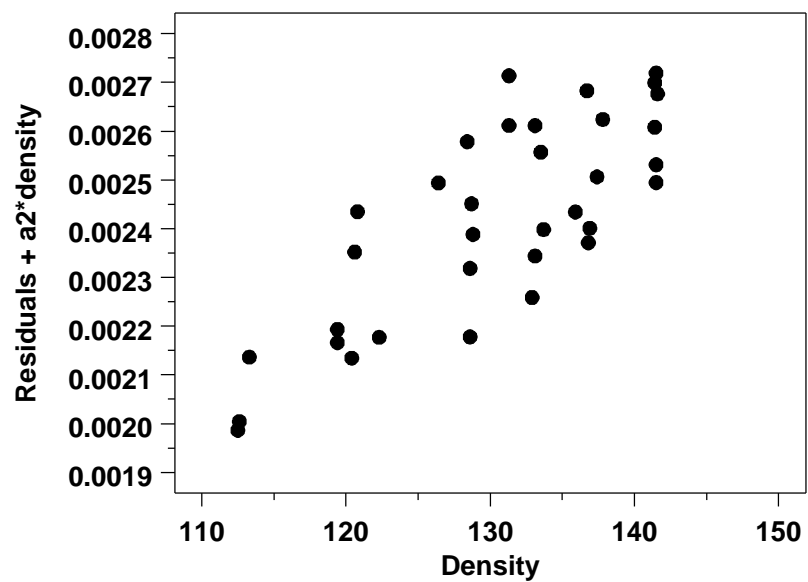


Dataset 1450b: Raw Data



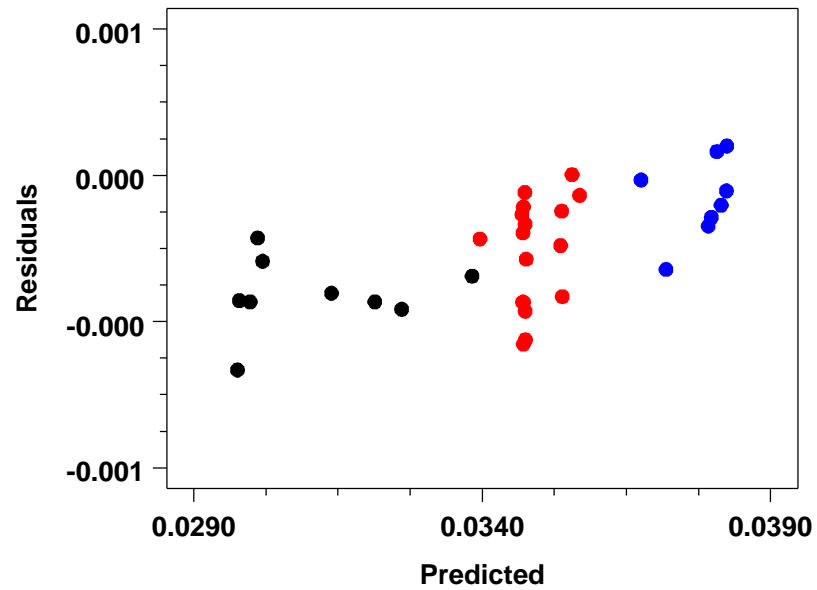
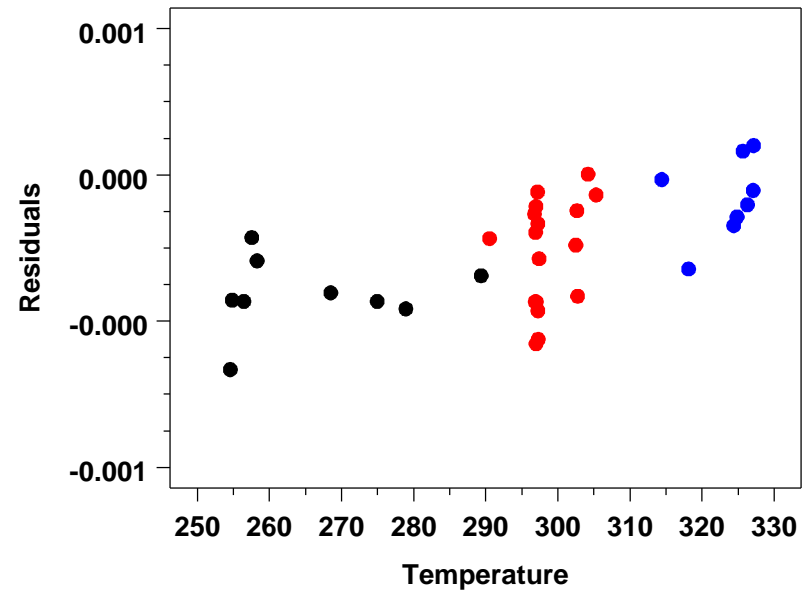
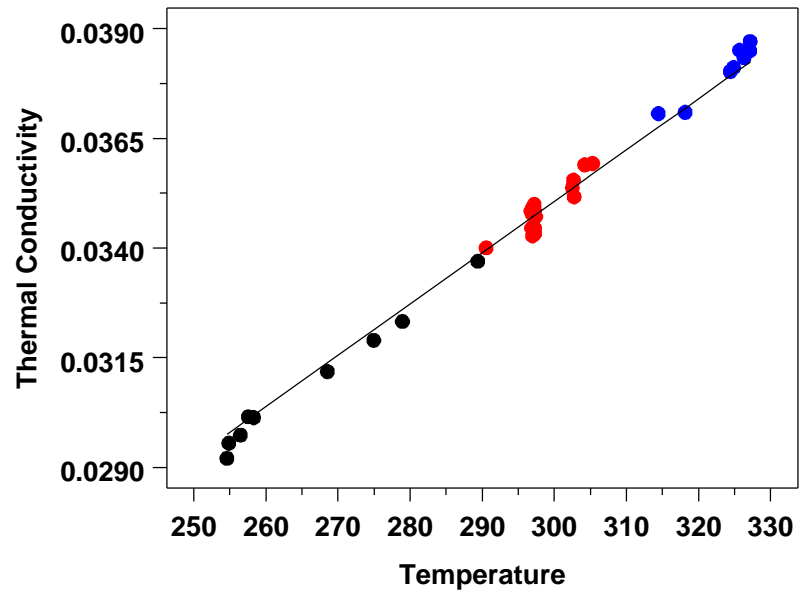
- - Temperature < 290
- - 290 < Temperature < 310
- - Temperature > 310

Dataset 1450b: Partial Residual Plots



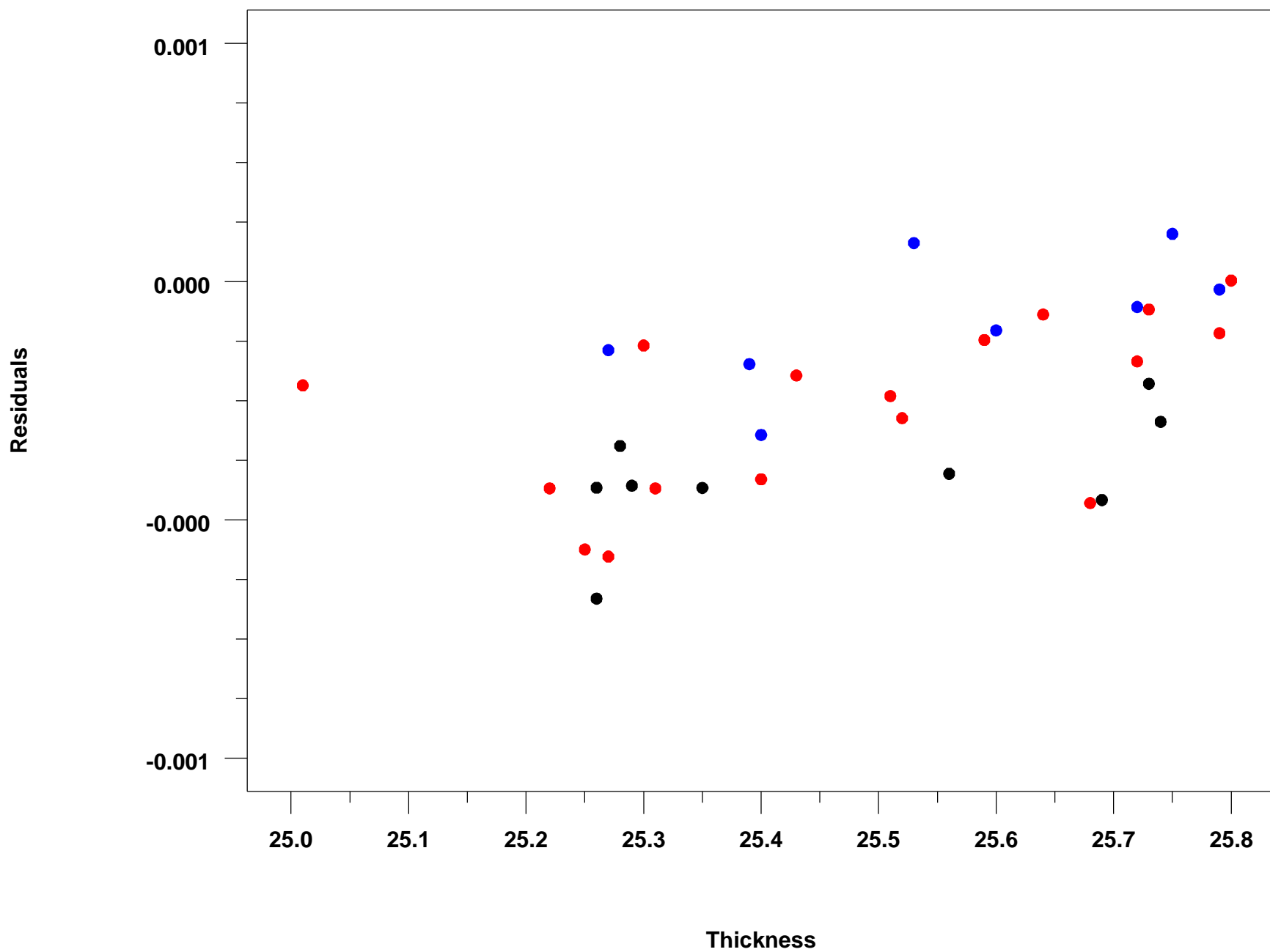
1450b Dataset Model 1: $k = 0.0001168883 \cdot t$

RESSD: 0.0002606522, BIC: -557.6316516

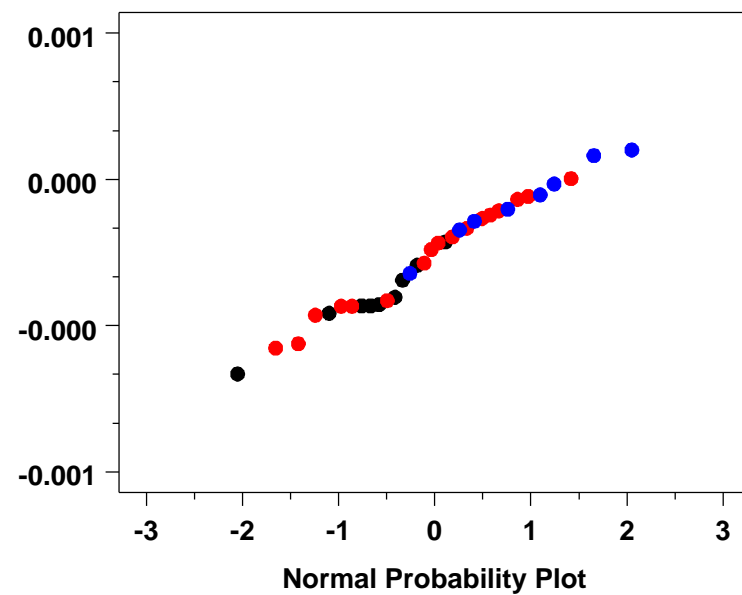
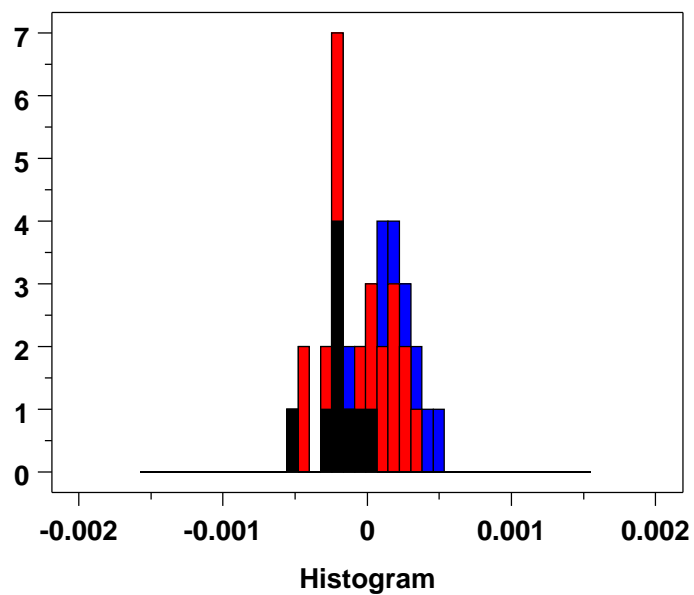
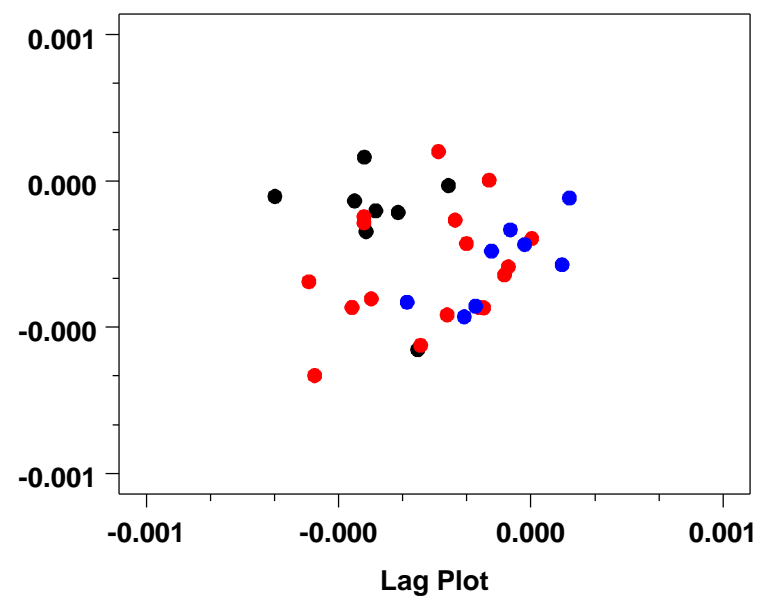
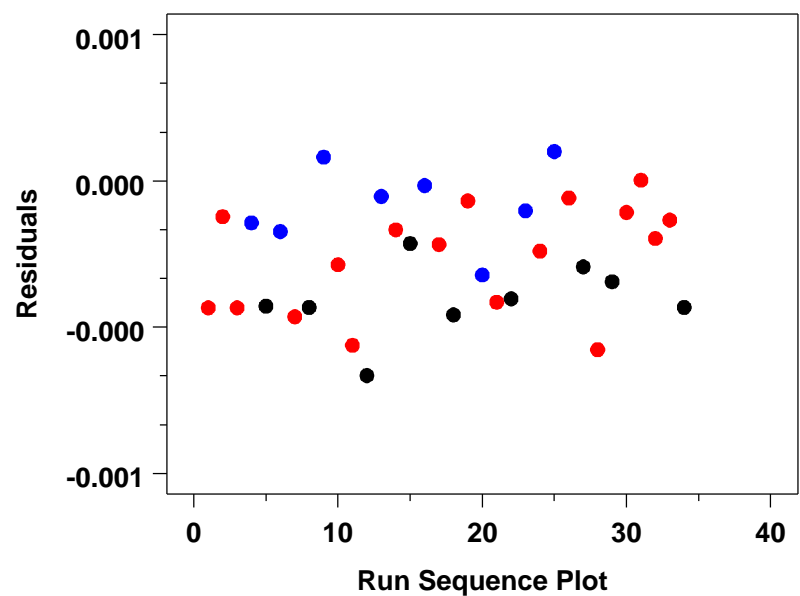


- - Temperature < 290
- - 290 < Temperature < 310
- - Temperature > 310

1450b Dataset Model 1: Nuisance Factors Versus Residuals



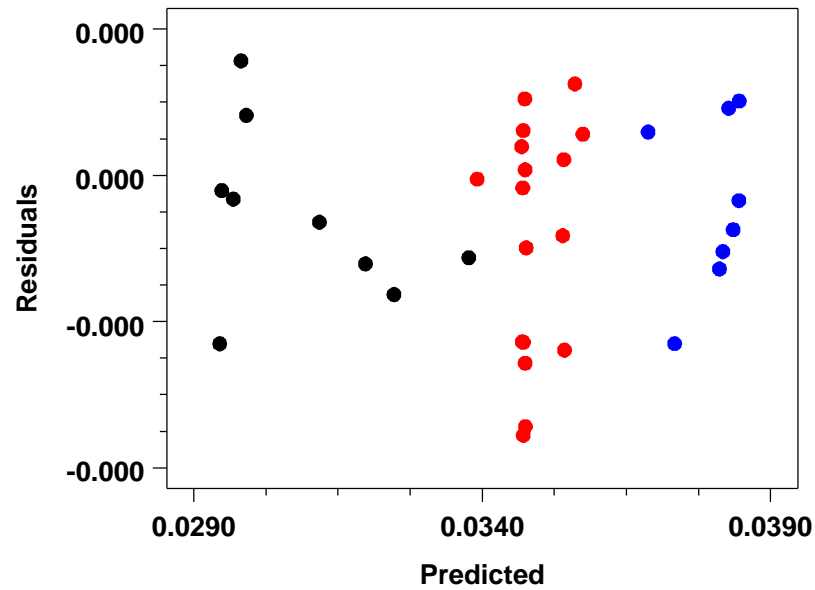
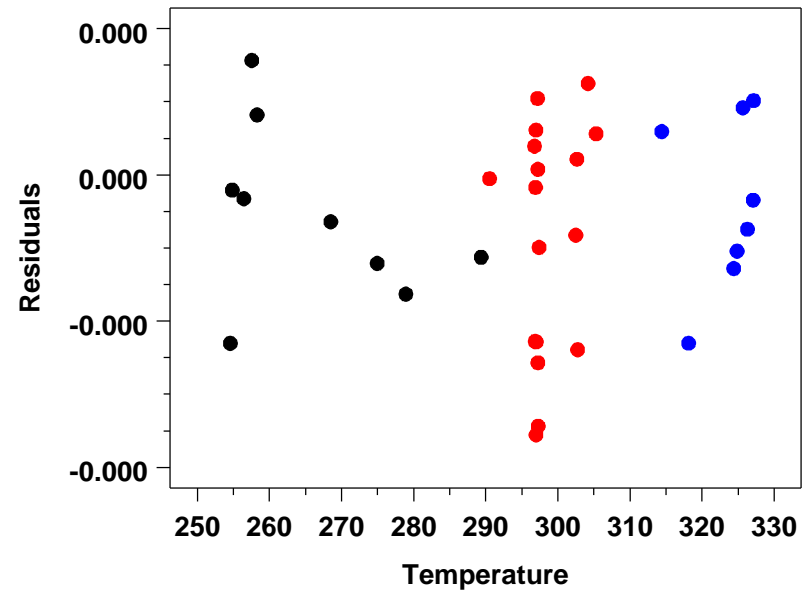
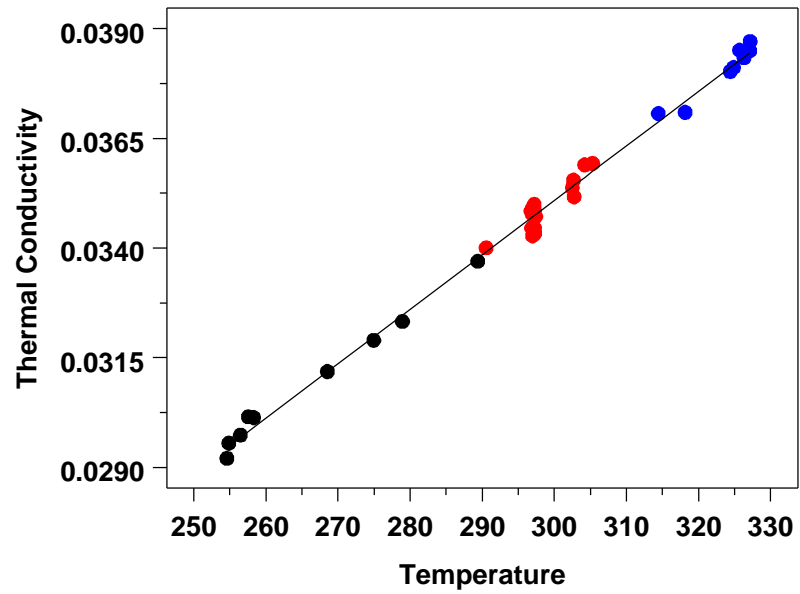
1450b Dataset Model 1: 4-Plot of the Residuals



PPCC = 0.9893

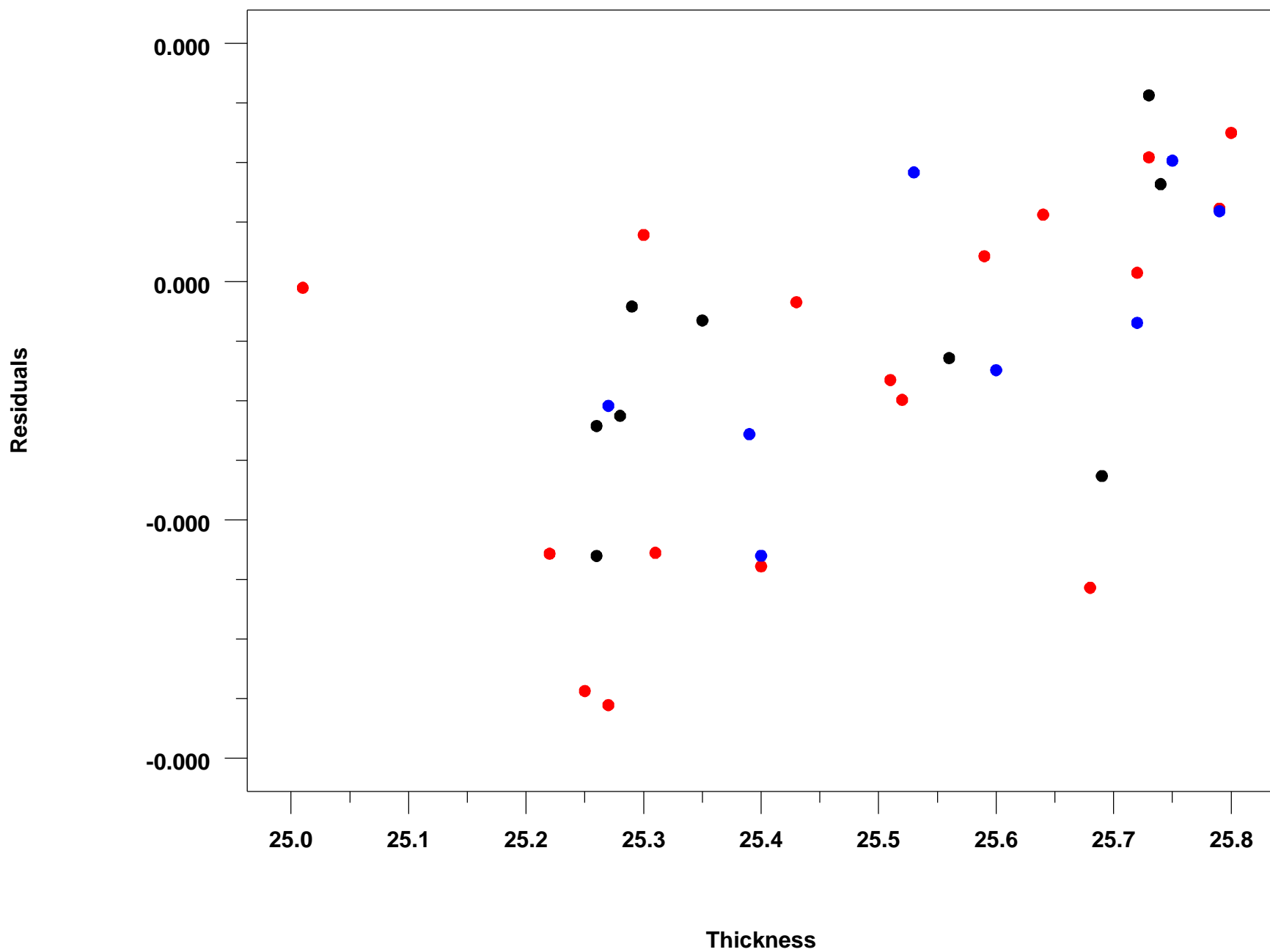
1450b Dataset Model 2: $k = -0.002143837 + 0.0001240972 \cdot t$

RESSD: 0.0002098741, BIC: -568.8394509

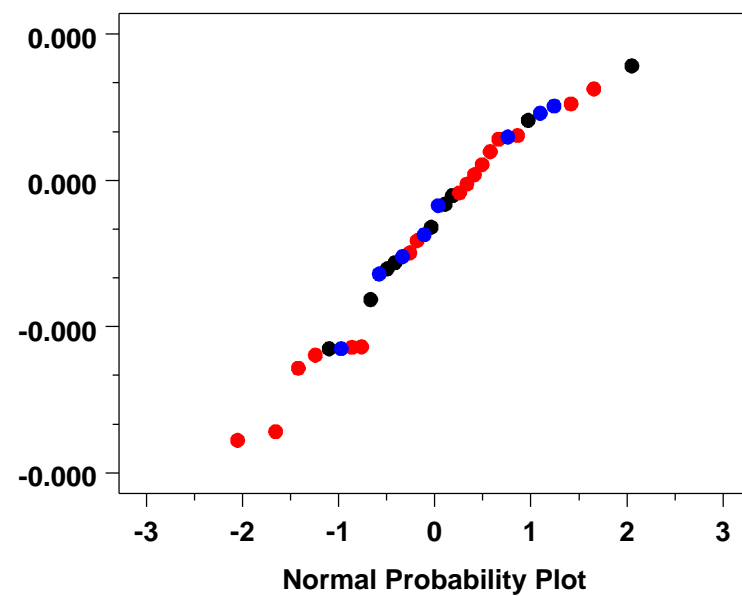
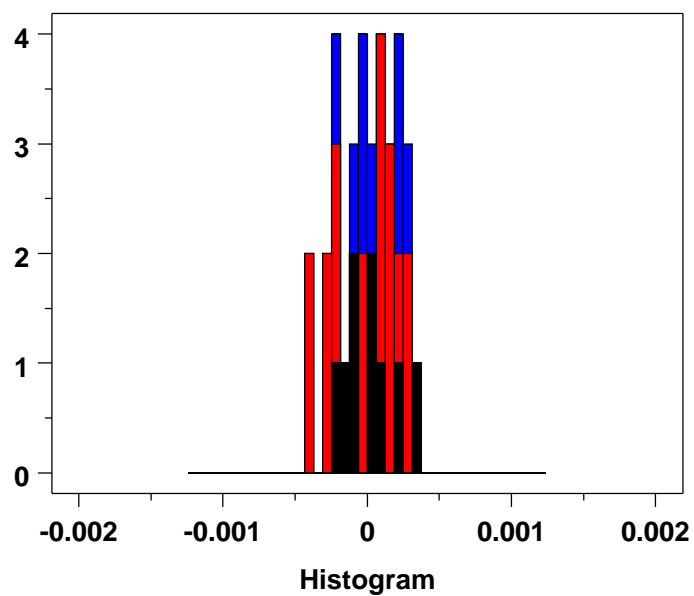
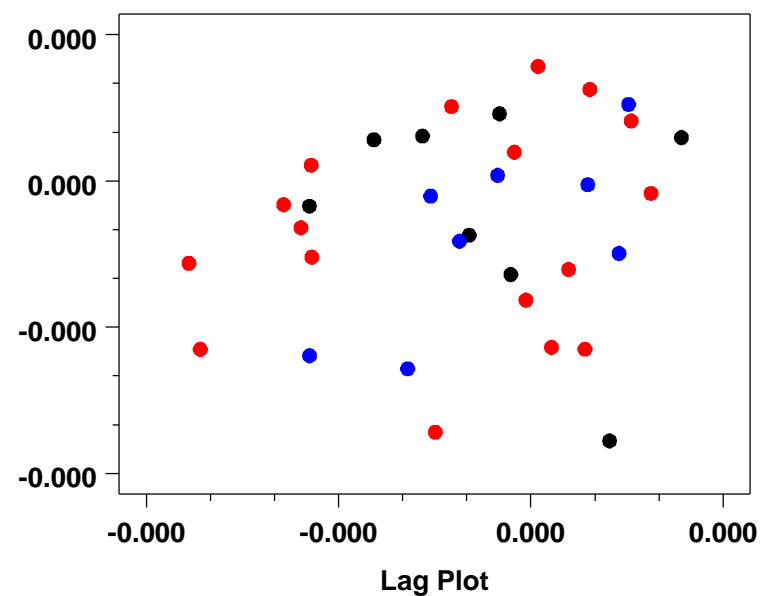
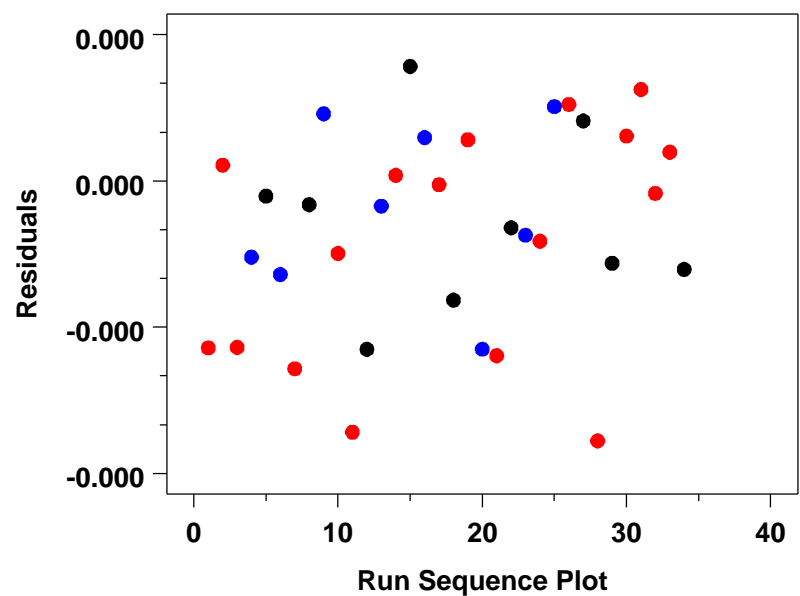


- - Temperature < 290
- - 290 < Temperature < 310
- - Temperature > 310

1450b Dataset Model 2: Nuisance Factors Versus Residuals



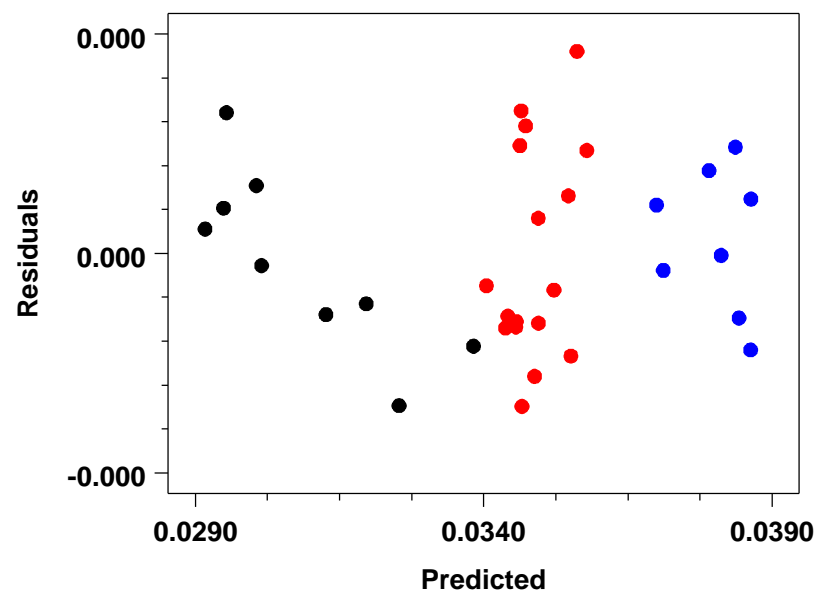
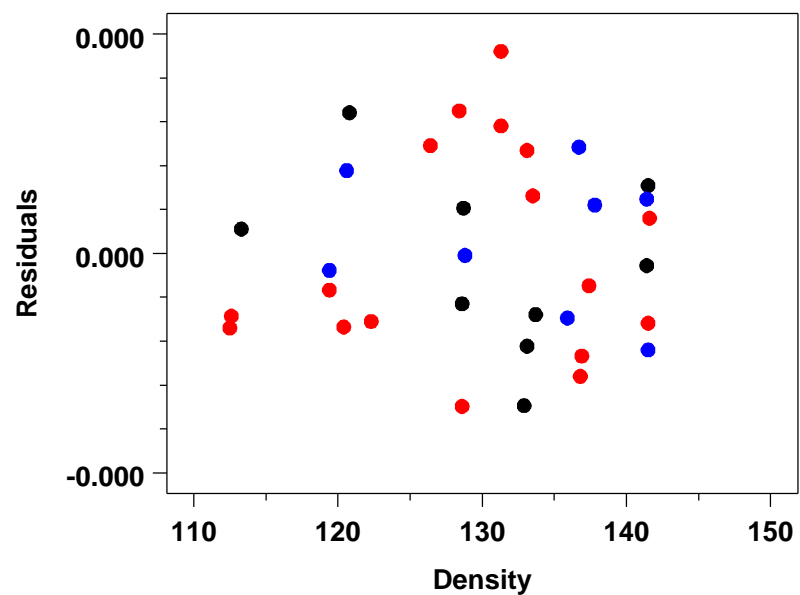
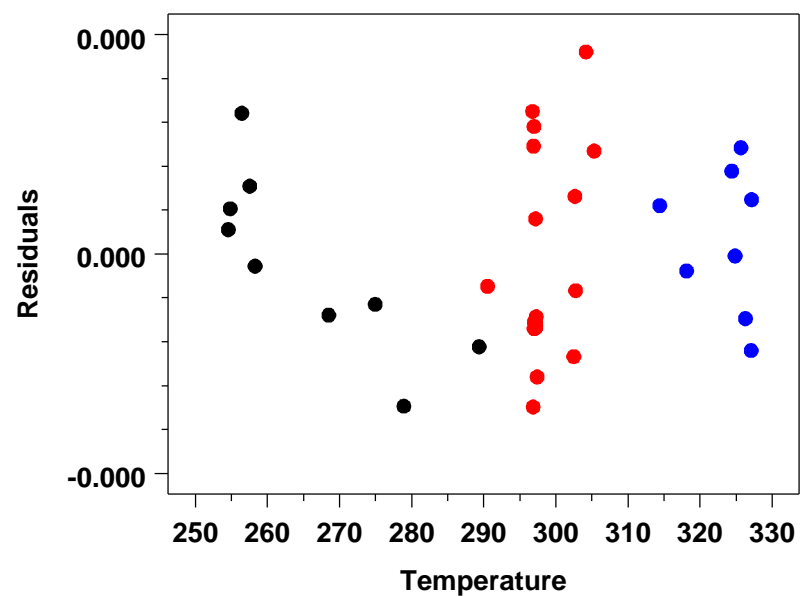
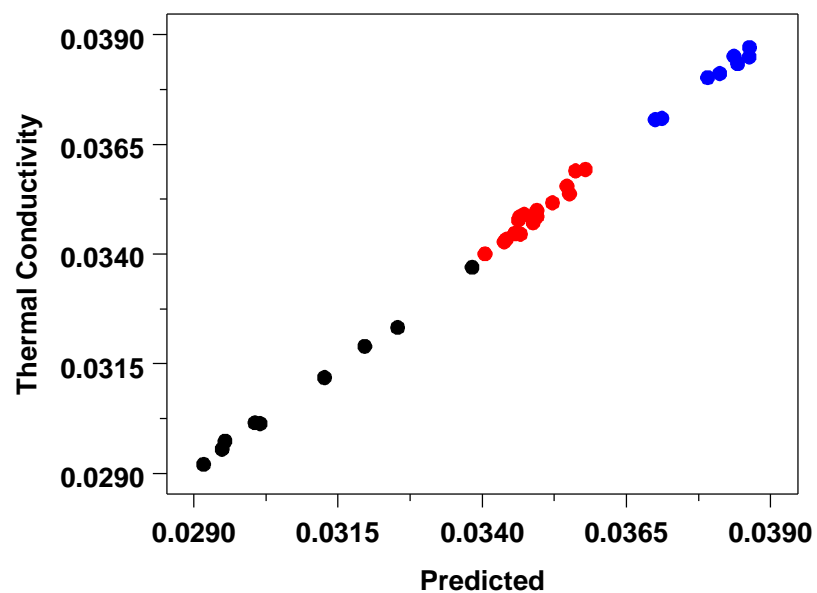
1450b Dataset Model 2: 4-Plot of the Residuals



PPCC = 0.9841

1450b Dataset Model 3: $k = -0.004299175 + 0.0001232073 \cdot t + 0.000018562 \cdot d$

RESSD: 0.0001305553, BIC: -597.593436

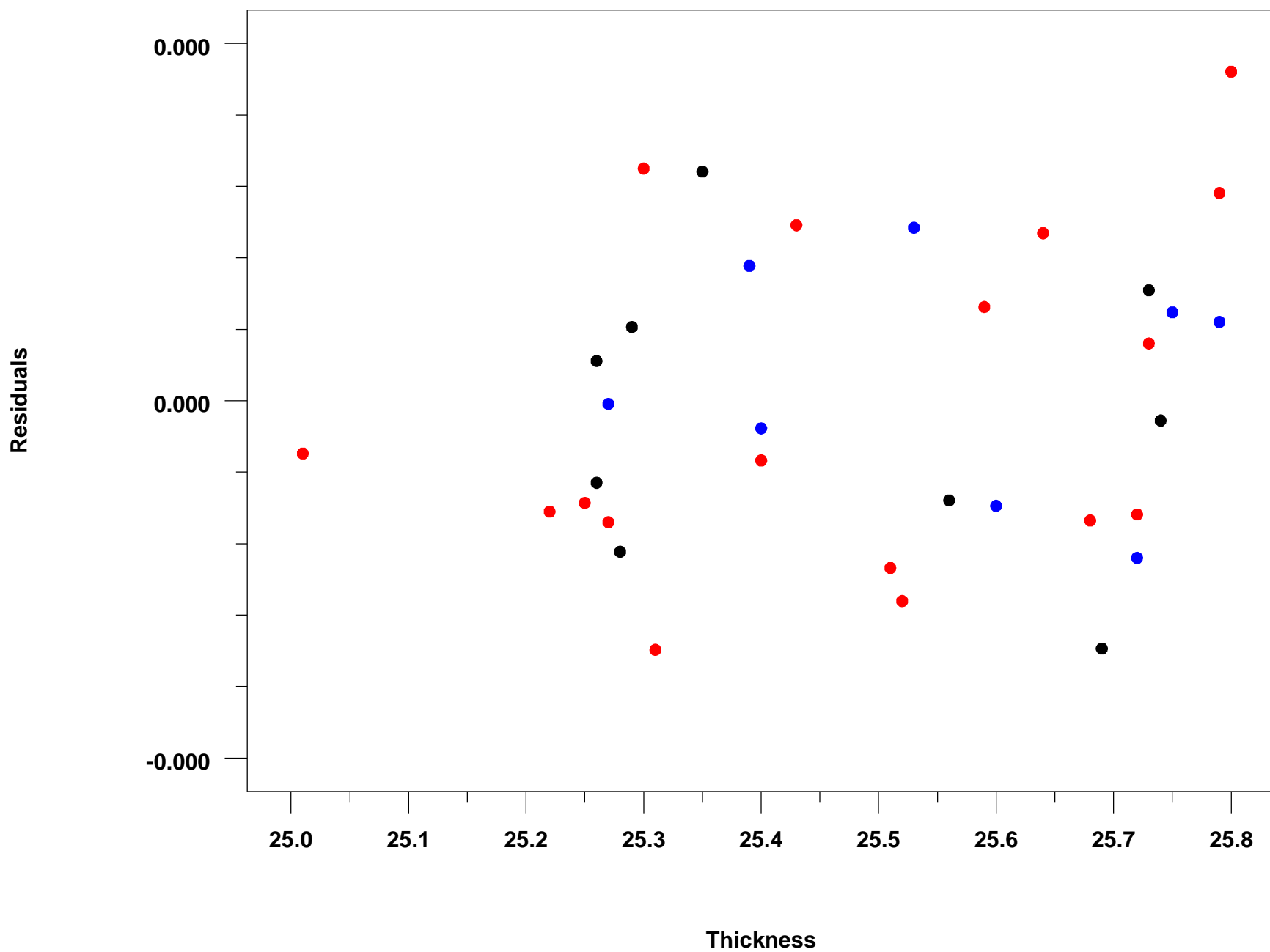


● - Temperature < 290,

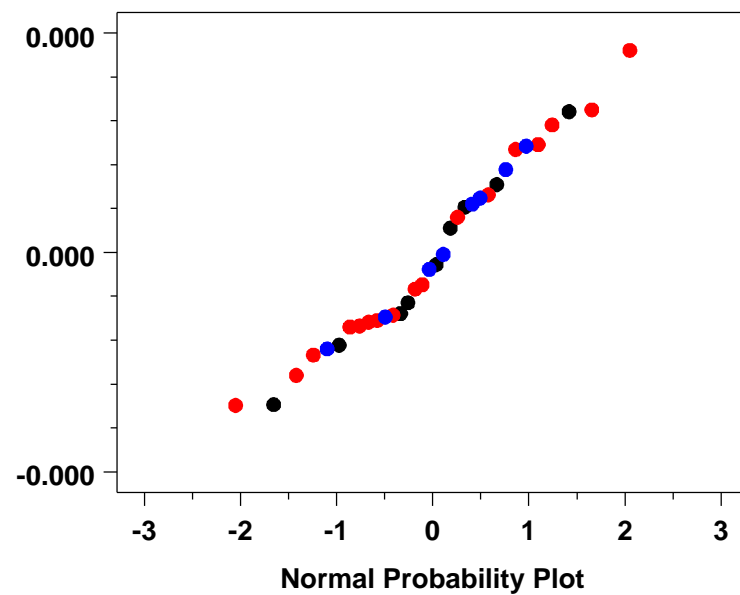
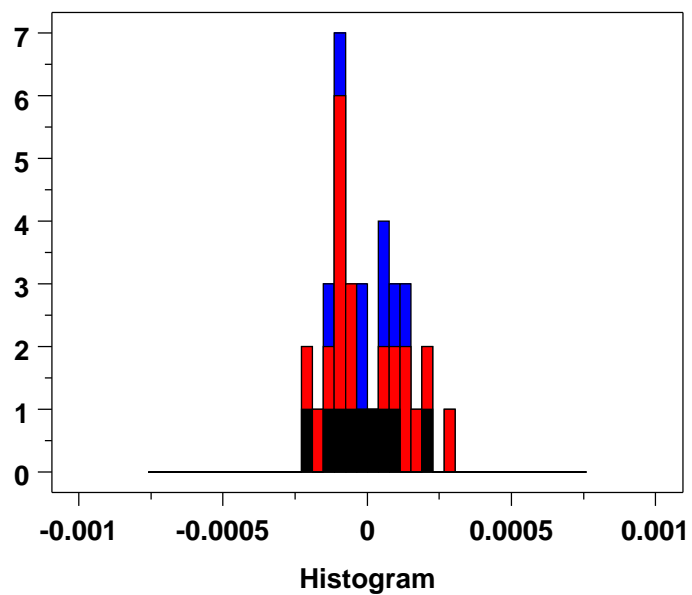
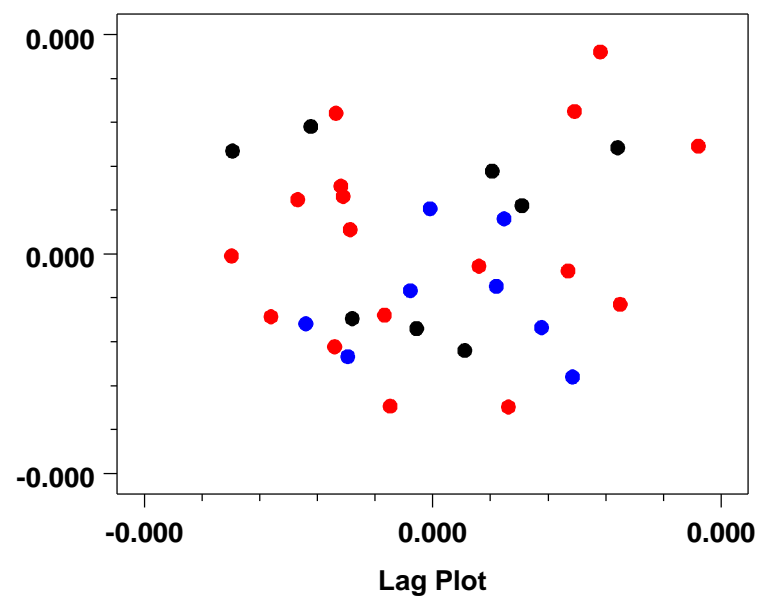
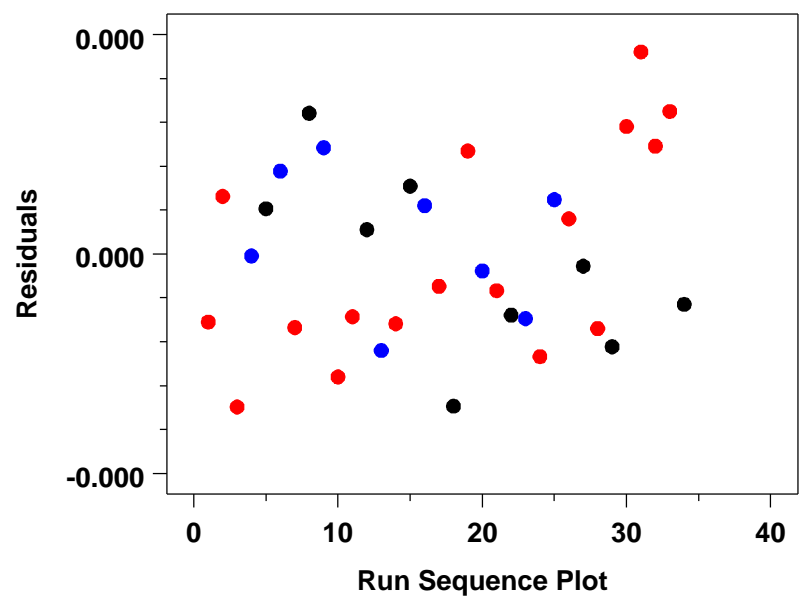
● - 290 < Temperature < 310,

● - Temperature > 310

1450b Dataset Model 3: Nuisance Factors Versus Residuals



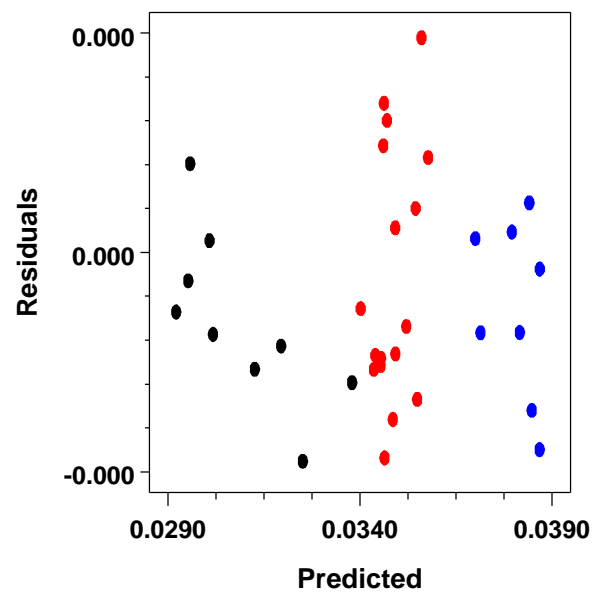
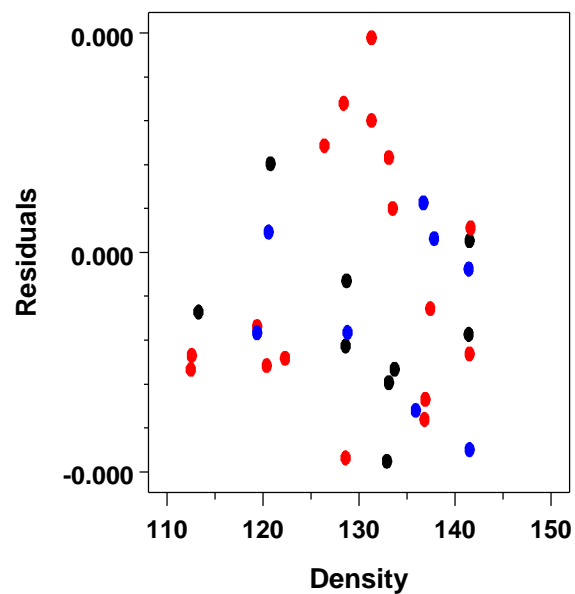
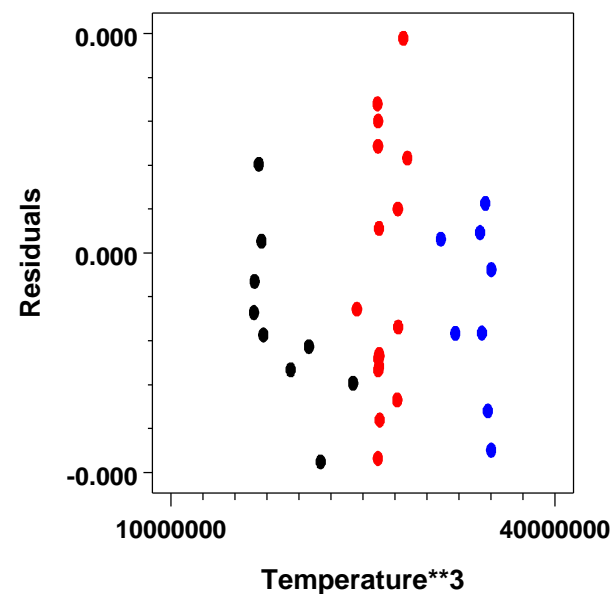
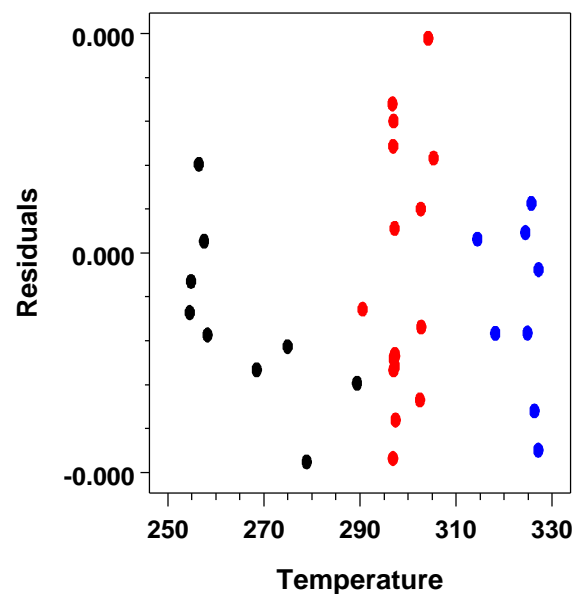
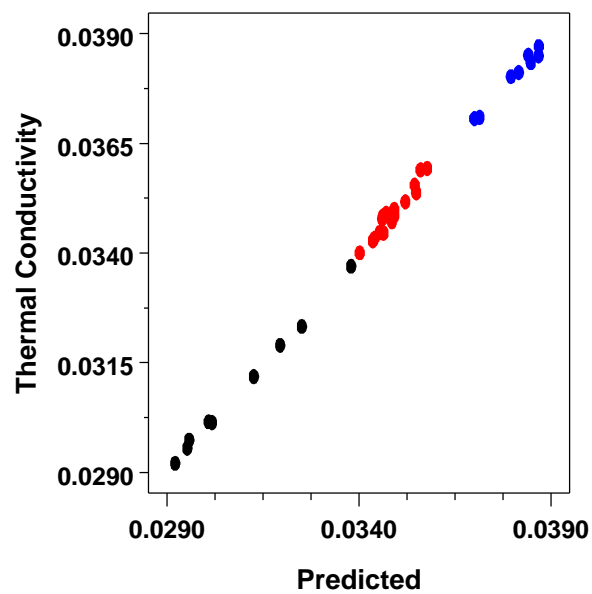
1450b Dataset Model 3: 4-Plot of the Residuals



PPCC = 0.9858

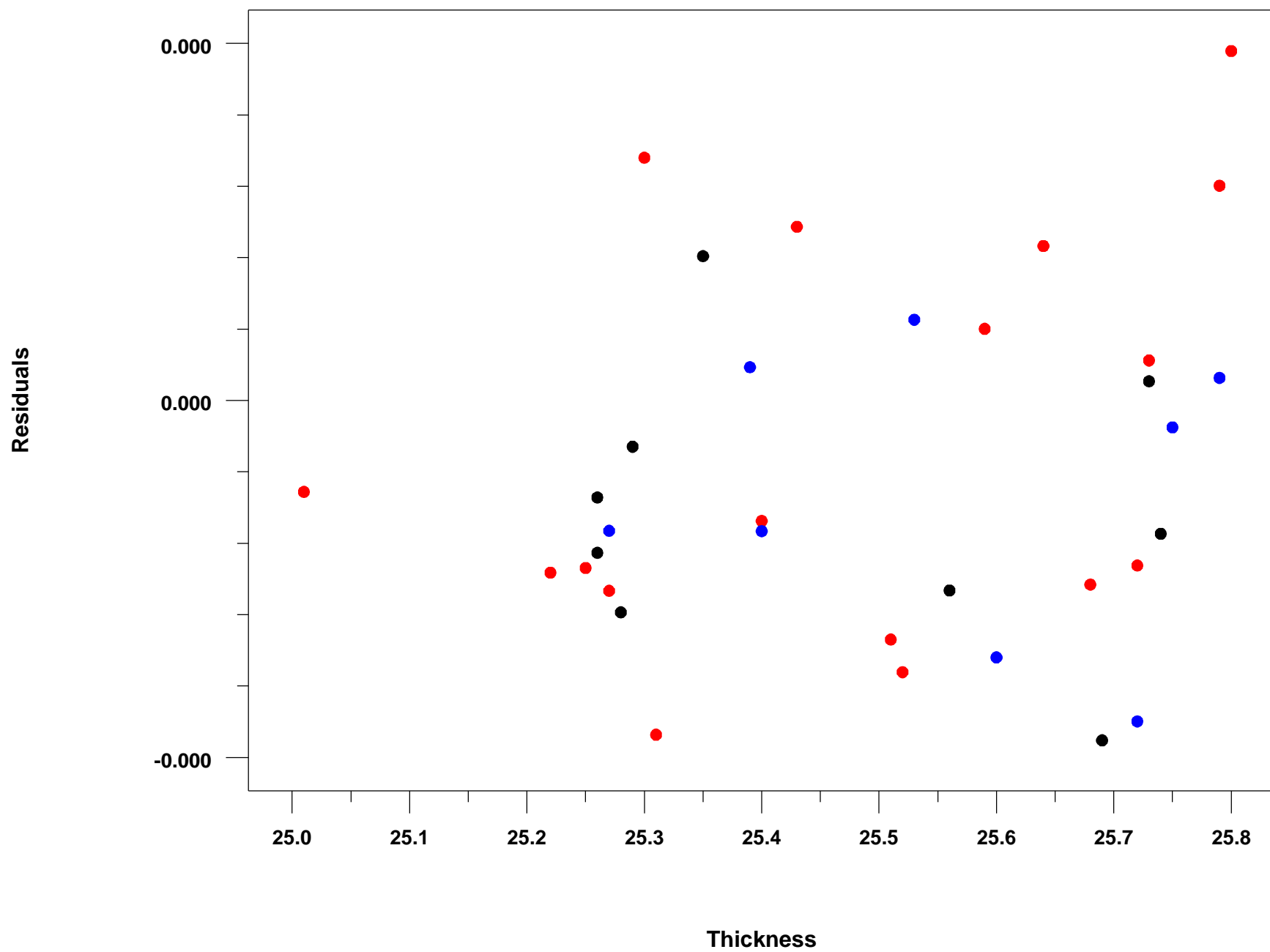
1450b Dataset Model 4: $k = -0.001111492 + 0.000106913 \cdot t + 0.0000181703 \cdot d + 0 \cdot t^3$

RESSD: 0.000129004, BIC: -594.8798795

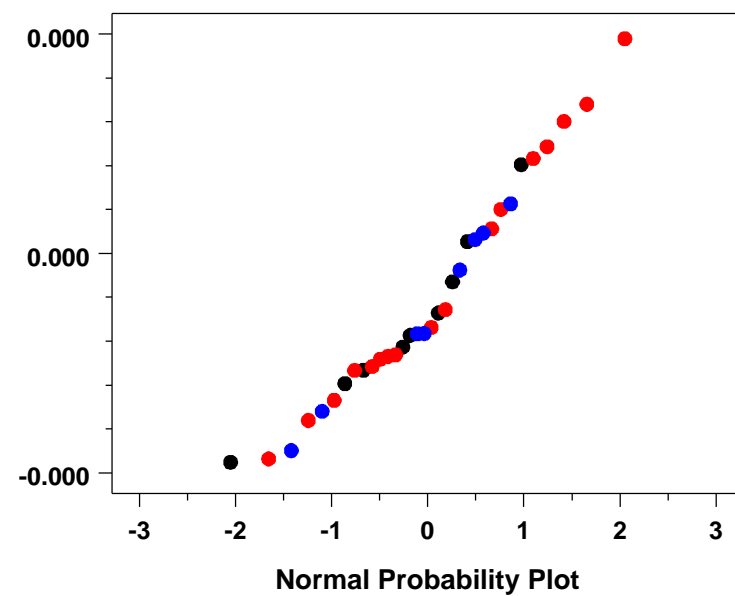
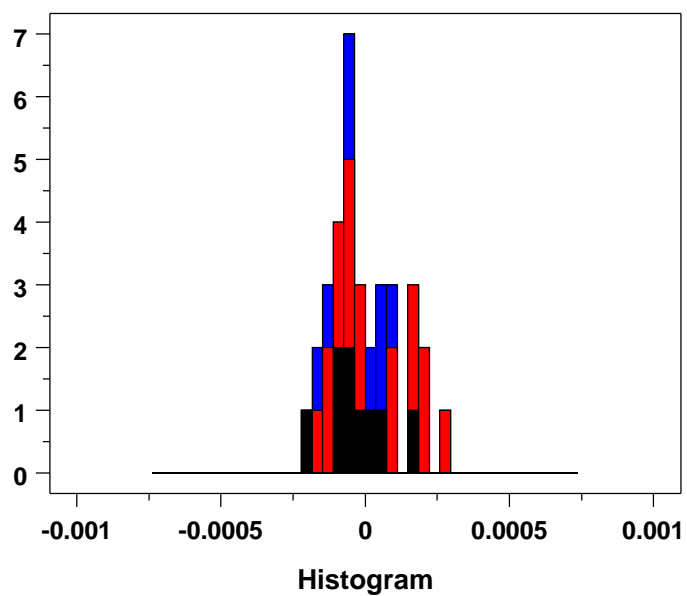
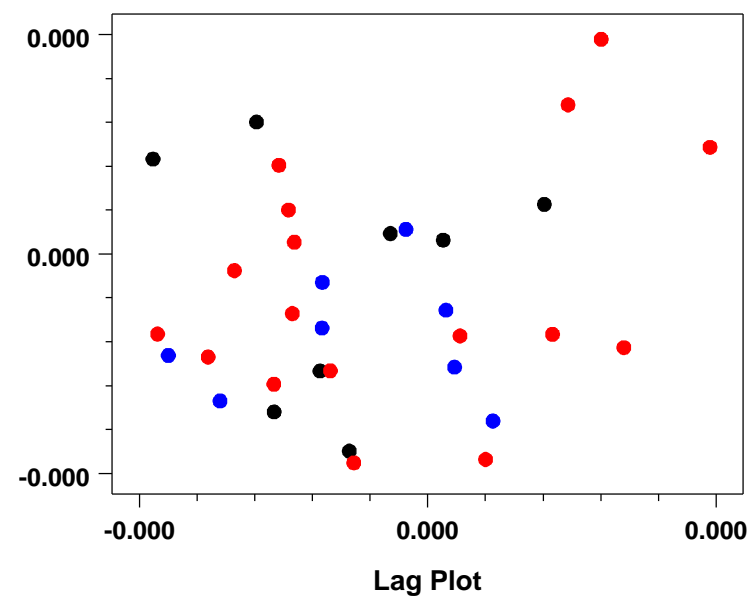
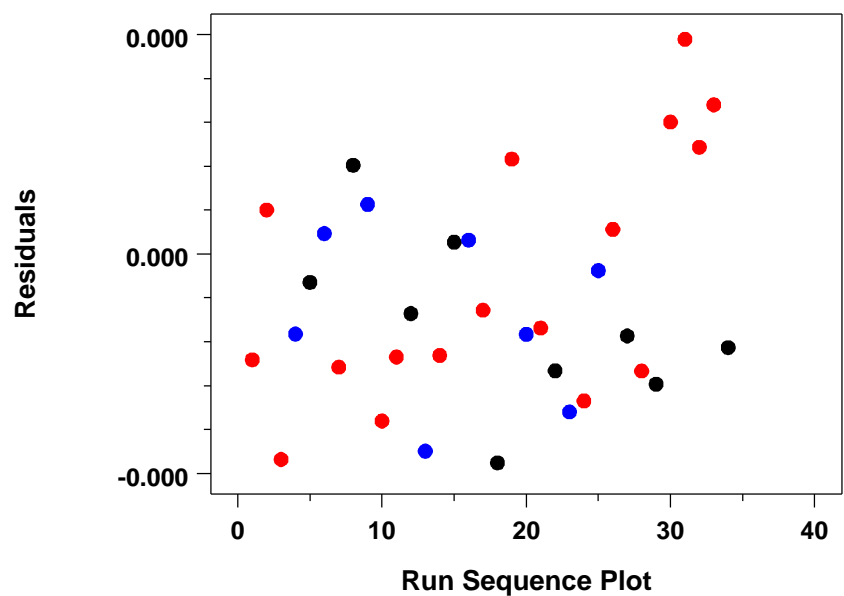


- - Temperature < 290
- - 290 < Temperature < 310
- - Temperature > 310

1450b Dataset Model 4: Nuisance Factors Versus Residuals



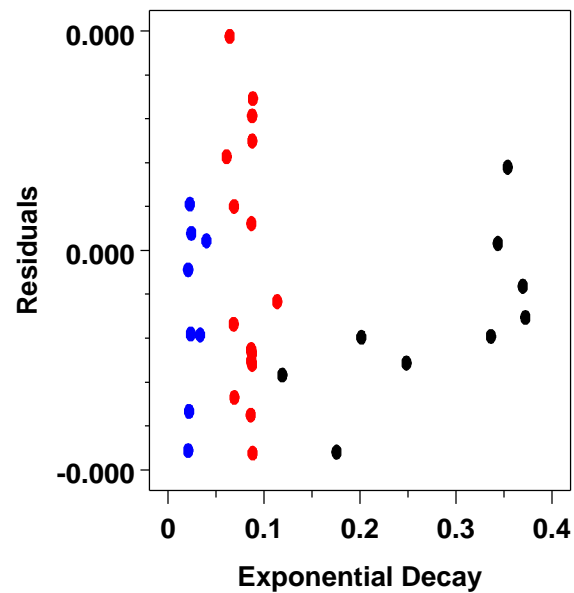
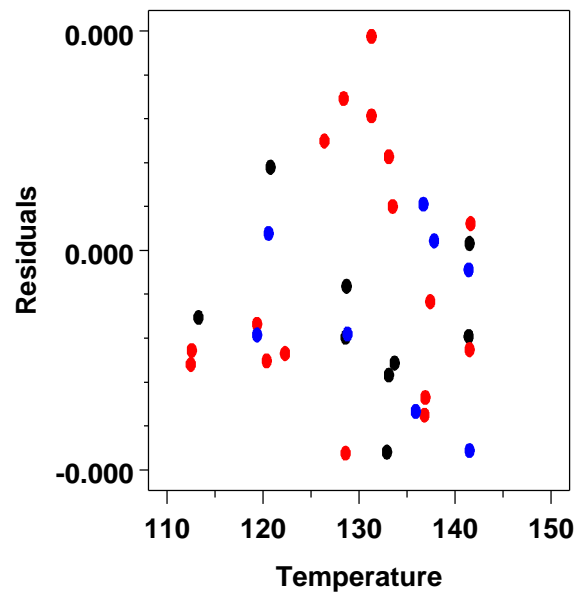
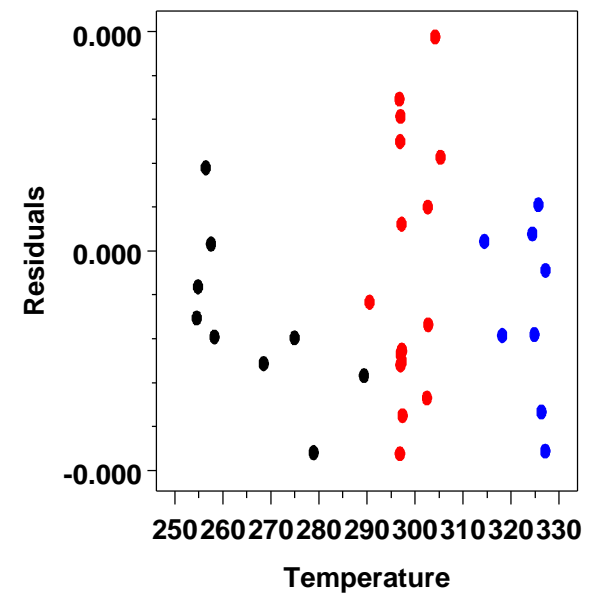
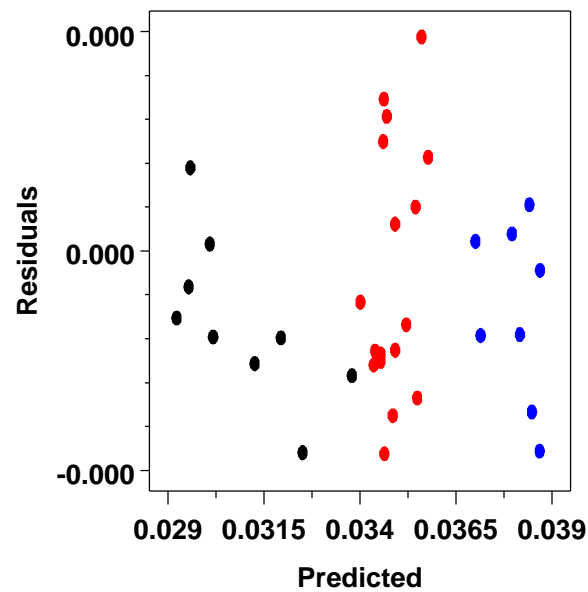
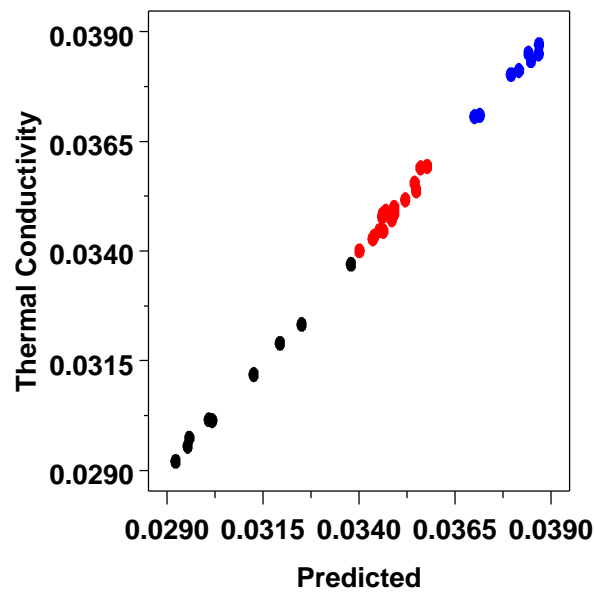
1450b Dataset Model 4: 4-Plot of the Residuals



PPCC = 0.9818

1450b Dataset Model 5: $k = -0.005810483 + 0.0001280606 \cdot t + 0.0000181965 \cdot d + 0.0010132235 \cdot e1$

RESSD: 0.0001279549, BIC: -595.4352016

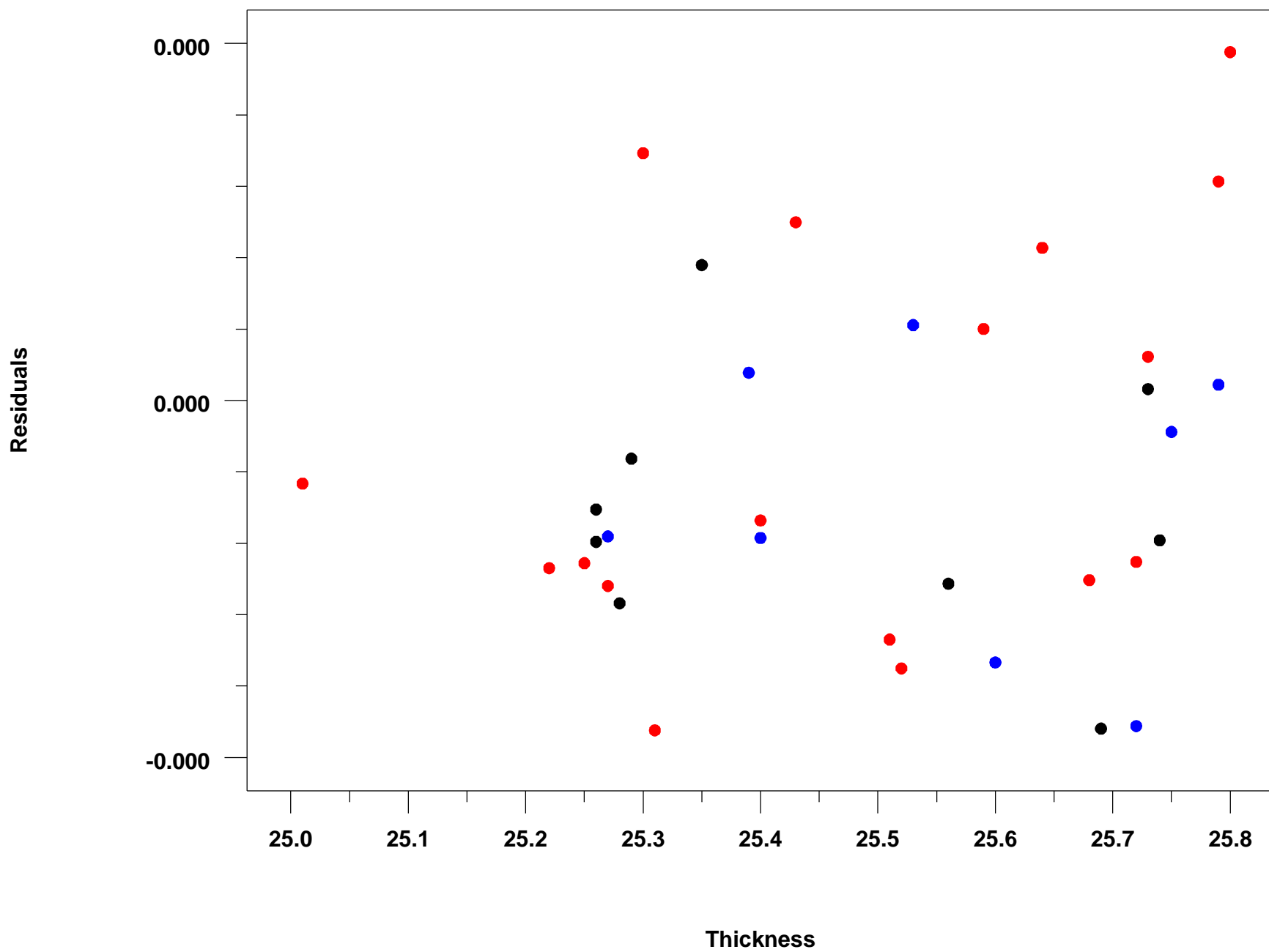


● - Temperature < 290,

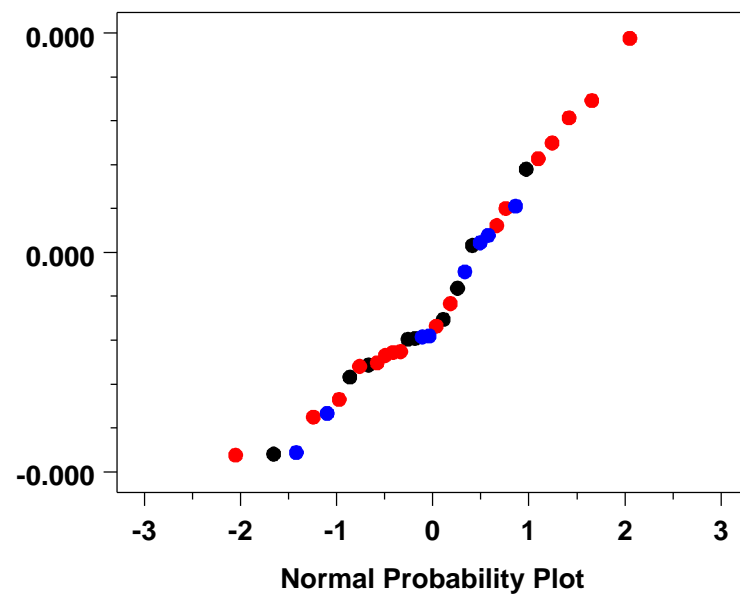
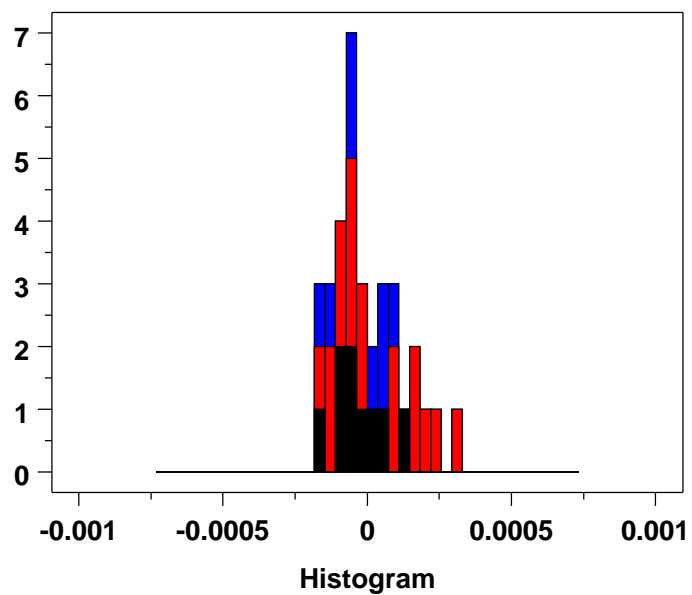
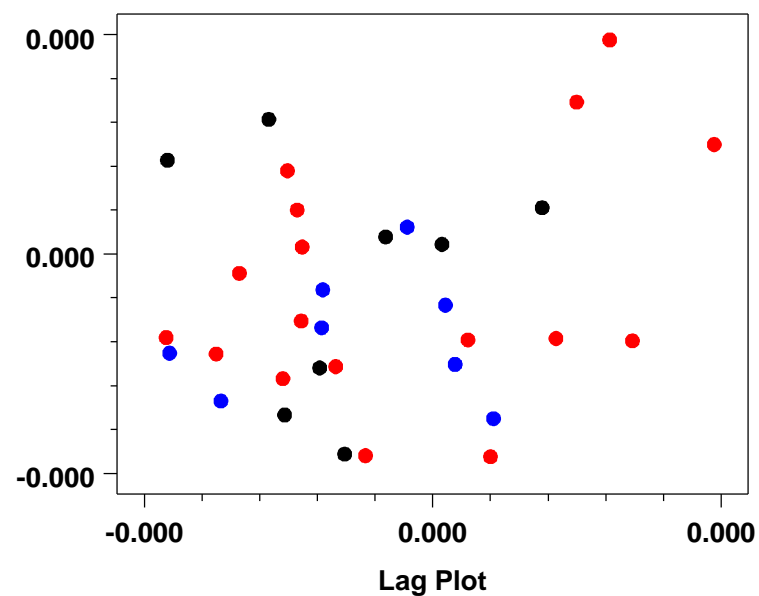
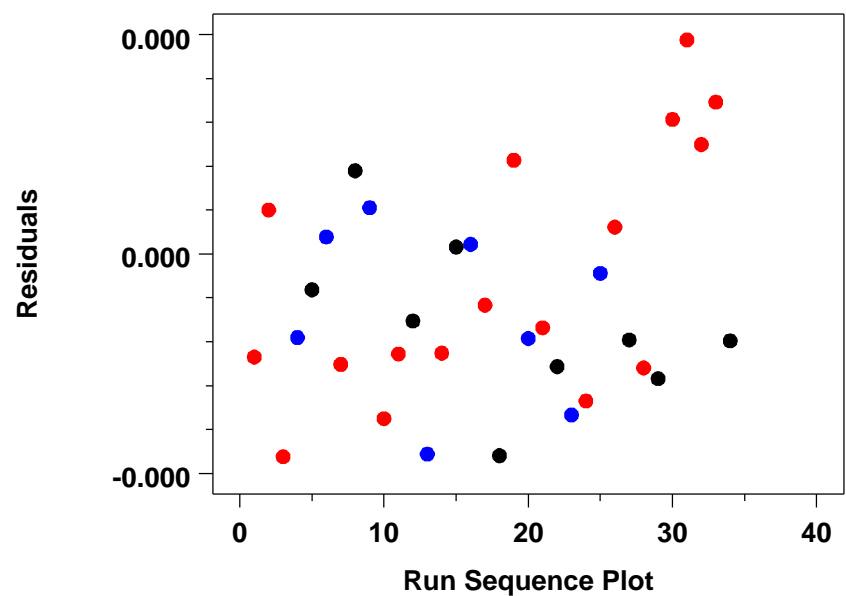
● - 290 < Temperature < 310,

● - Temperature > 310

1450b Dataset Model 5: Nuisance Factors Versus Residuals

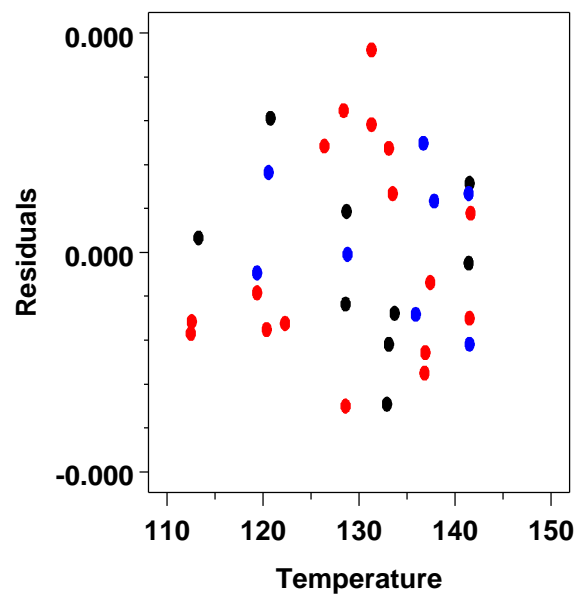
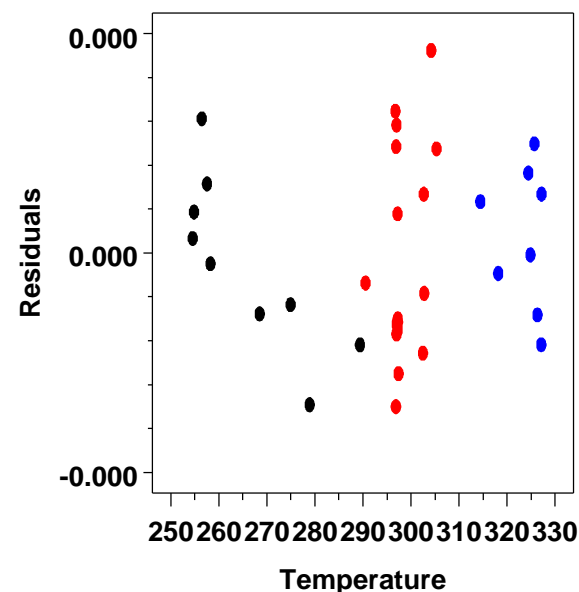
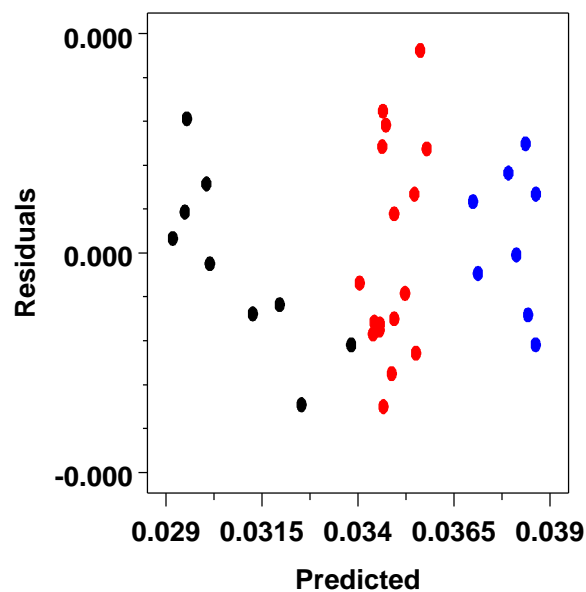
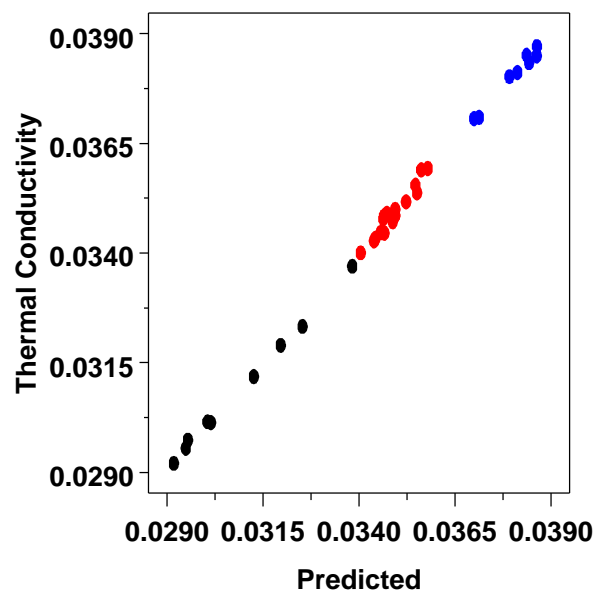


1450b Dataset Model 5: 4-Plot of the Residuals



PPCC = 0.9794

1450b Dataset Model 5a: $k = -0.004225712 + 0.0001231755 \cdot t + 0.0000180708 \cdot d + 1.77233759 \cdot \text{EXP}(-((t-82.014446936)/-47.77979166)^2)$ (RESSD: 0.0001372061, BIC: -583.6356105)

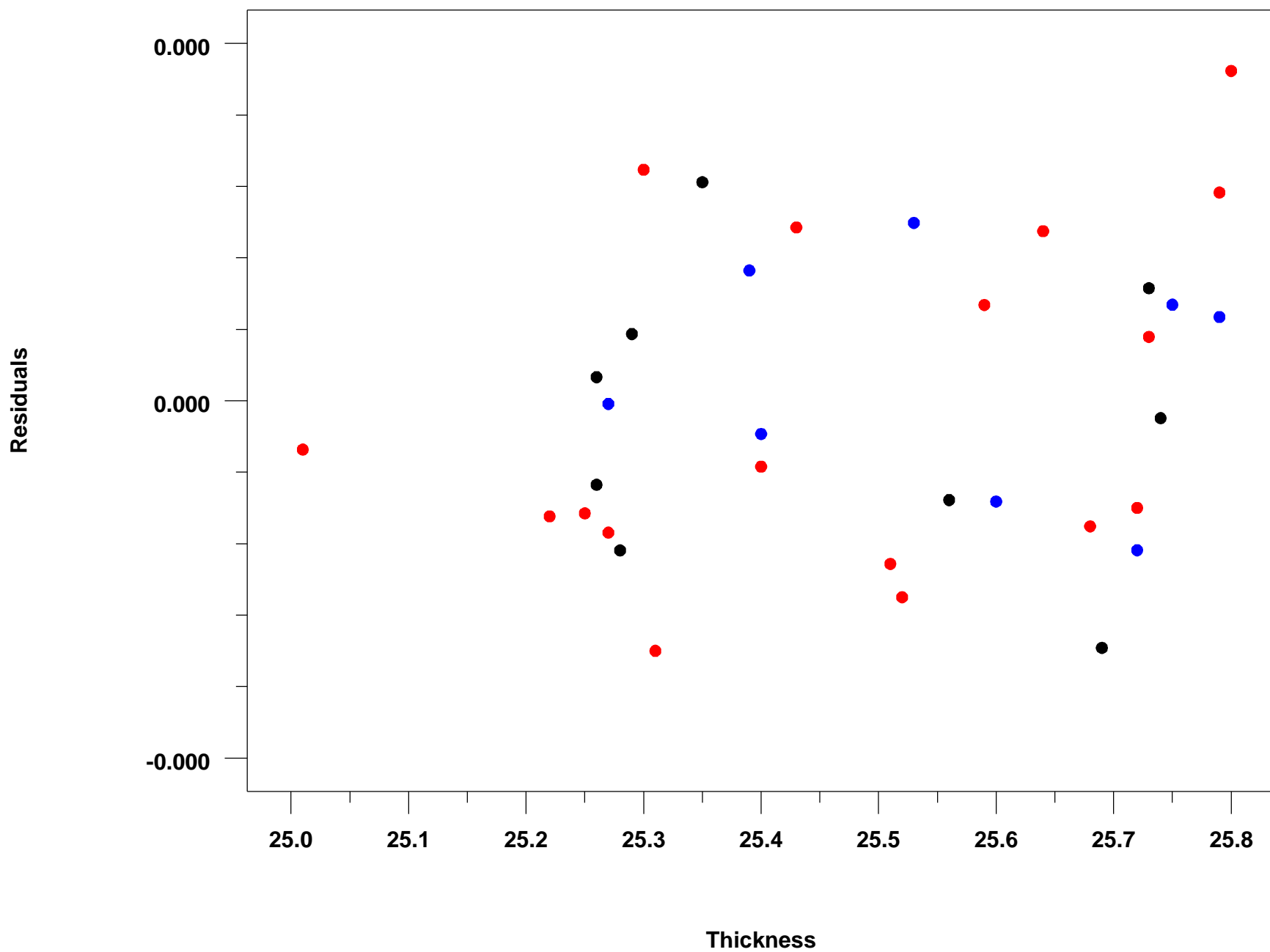


● - Temperature < 290,

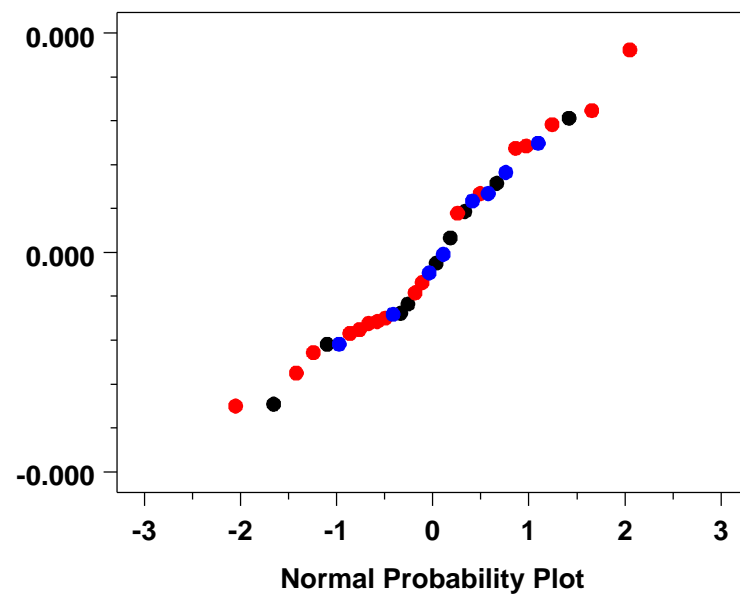
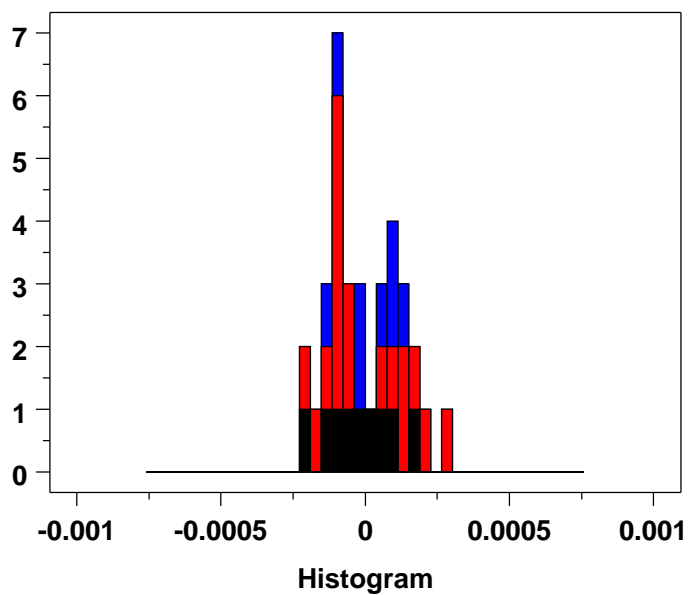
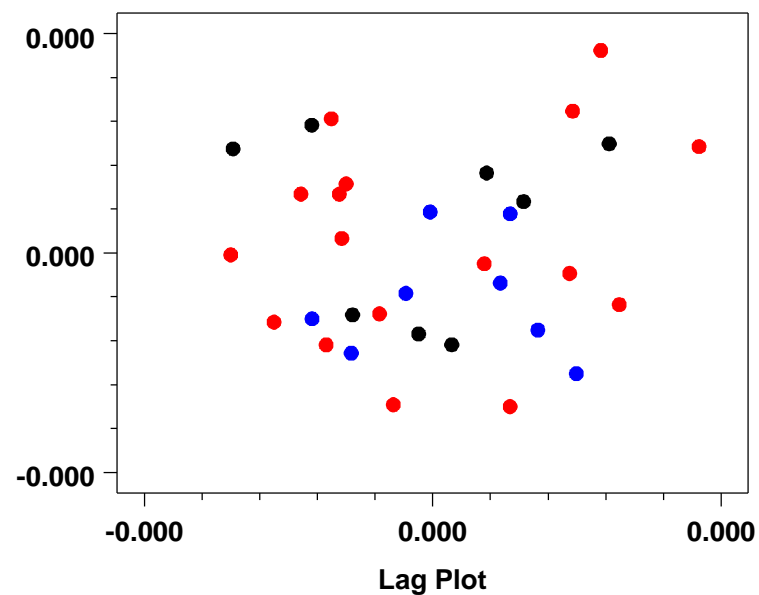
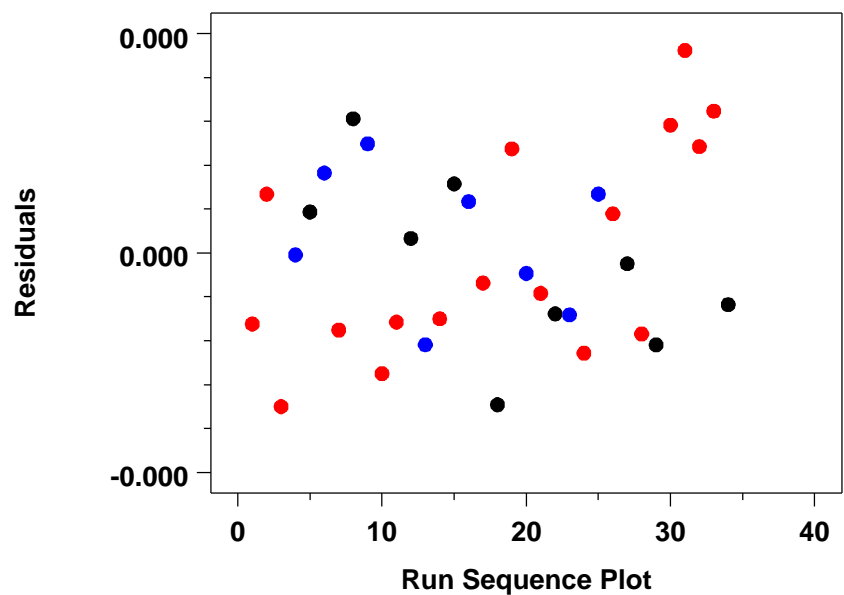
● - 290 < Temperature < 310,

● - Temperature > 310

1450b Dataset Model 5a: Nuisance Factors Versus Residuals



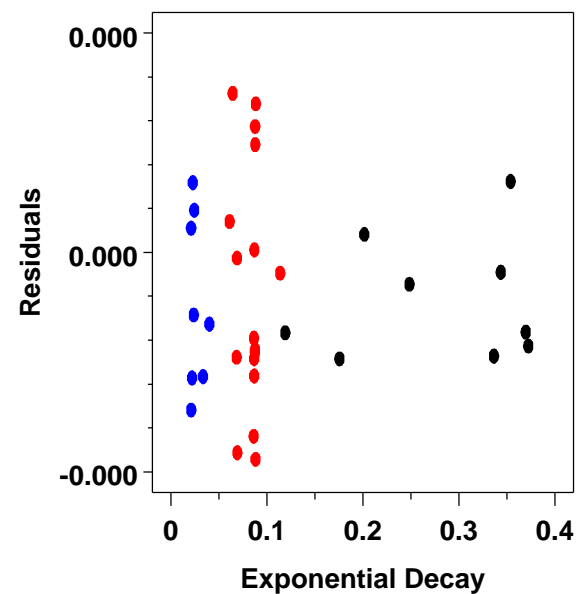
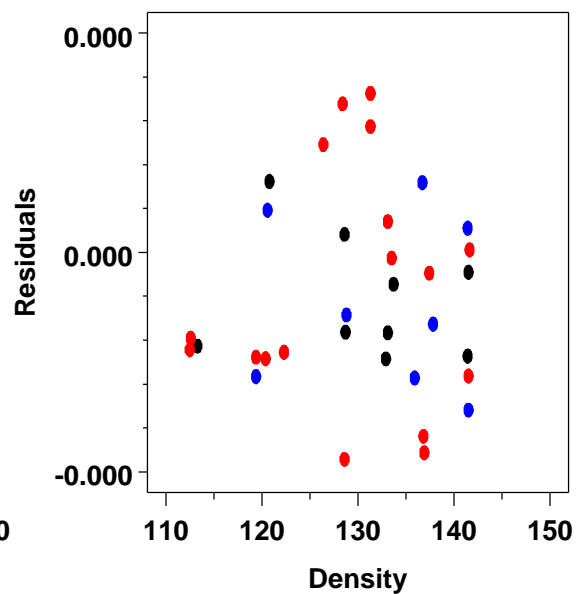
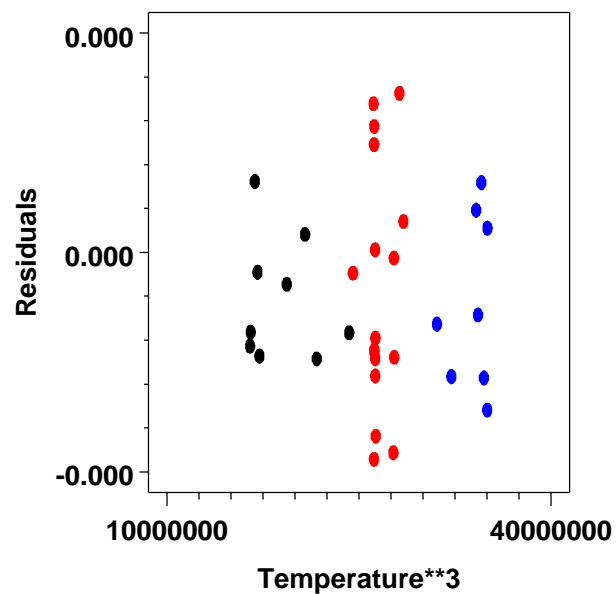
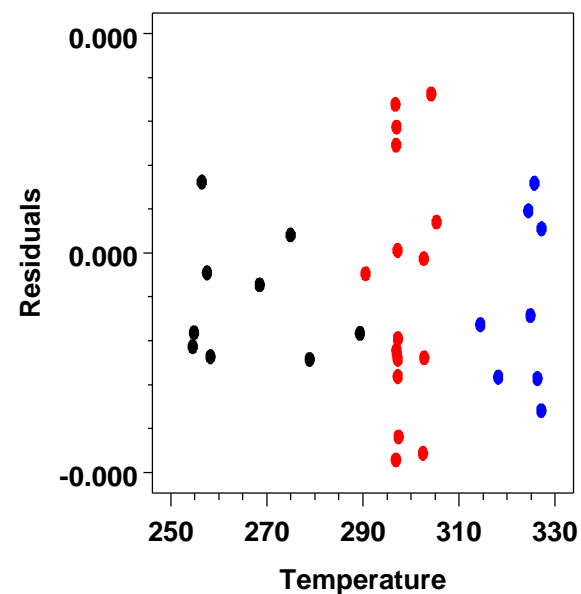
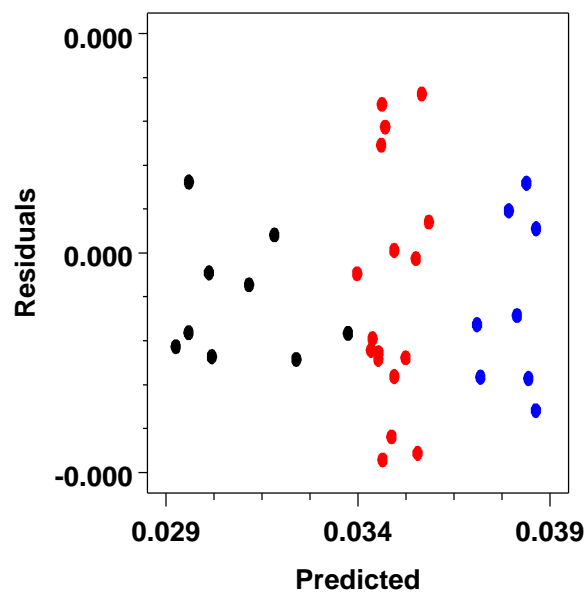
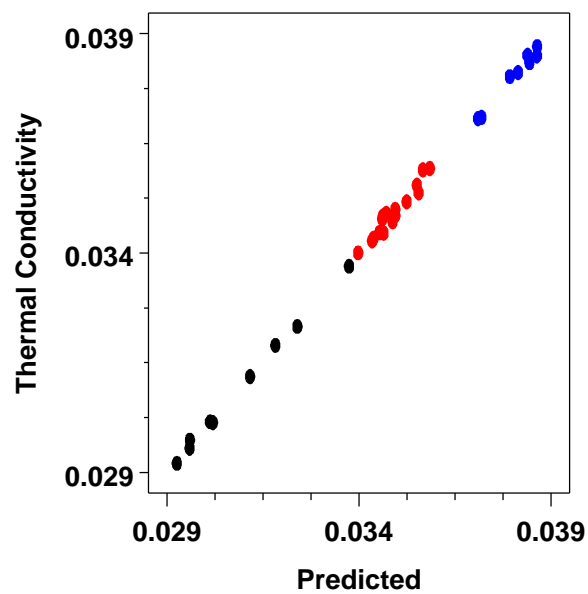
1450b Dataset Model 5a: 4-Plot of the Residuals



PPCC = 0.9848

1450b Dataset Model 6: $k = 0.0345642059 + 0.0001240972 \cdot t + 0.000018562 \cdot d + 0 \cdot t^{**3} + 0.0209202333 \cdot e1$

RESSD: 0.0001187158, BIC: -597.005103

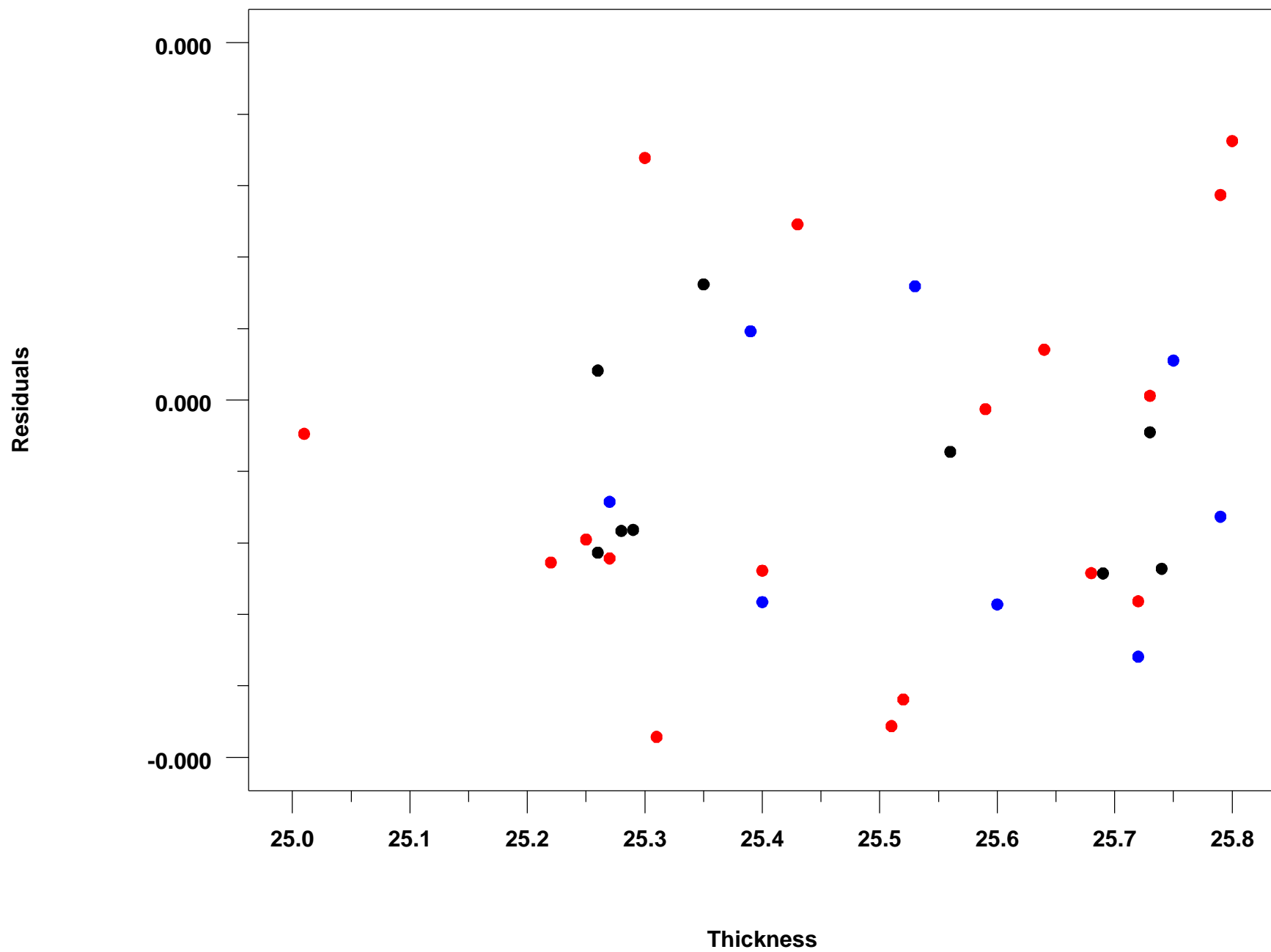


● - Temperature < 290,

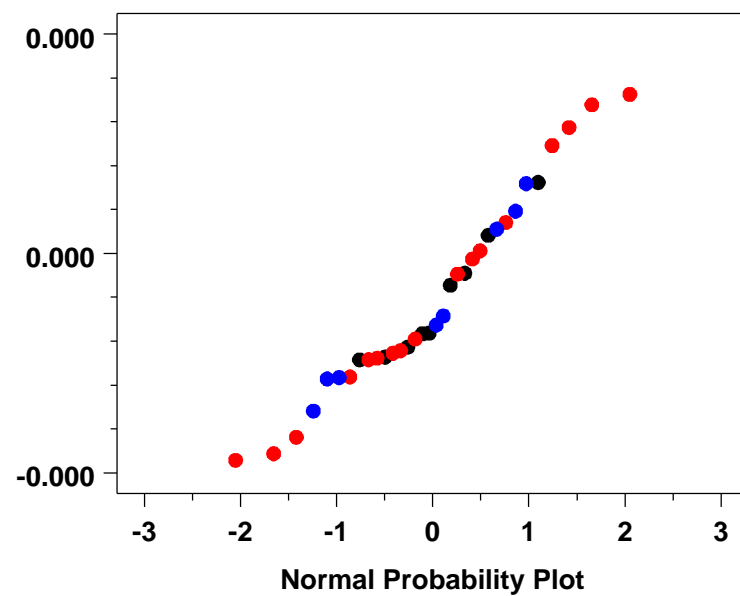
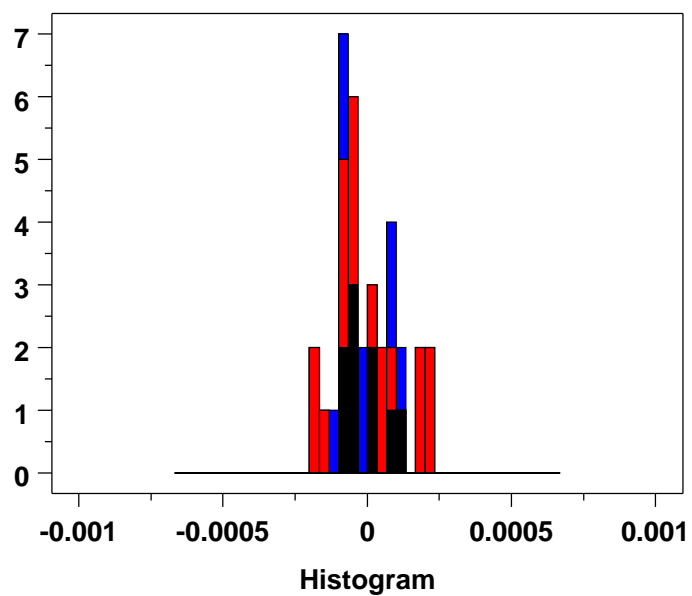
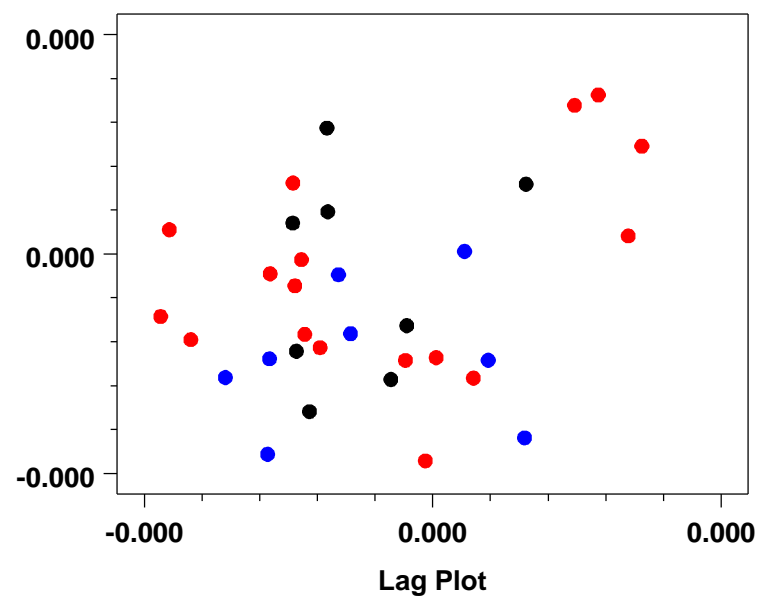
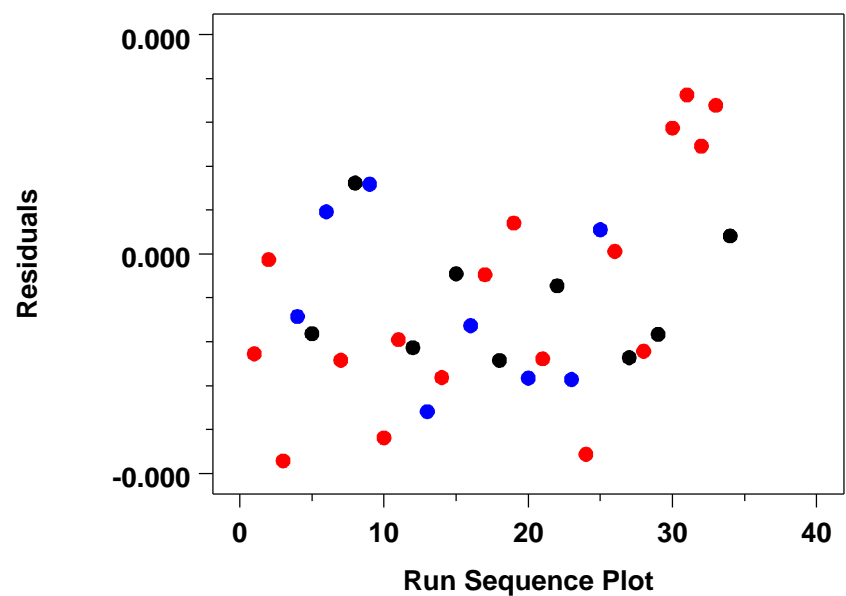
● - 290 < Temperature < 310,

● - Temperature > 310

1450b Dataset Model 6: Nuisance Factors Versus Residuals

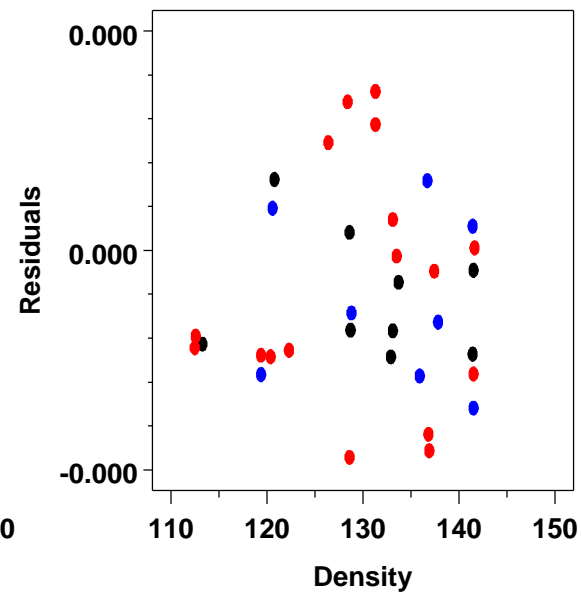
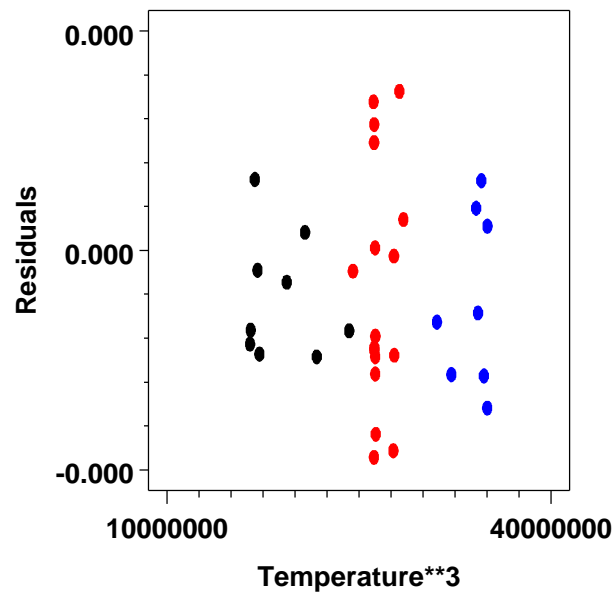
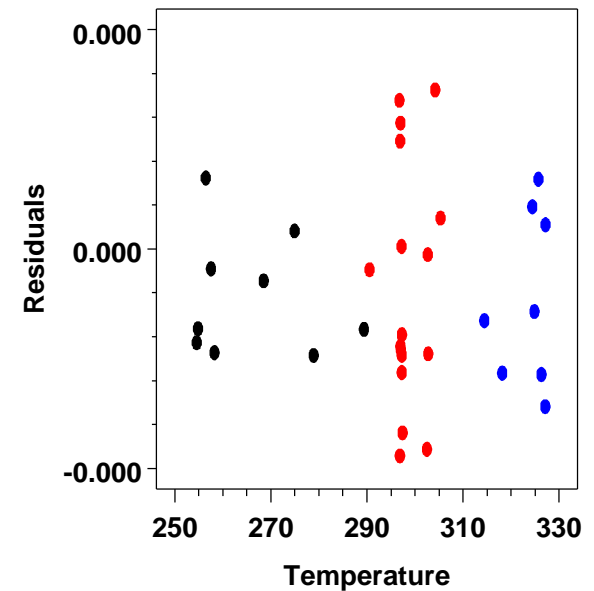
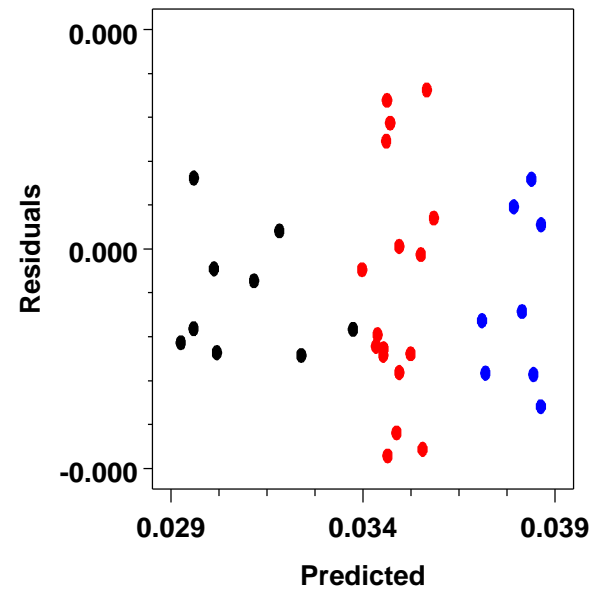
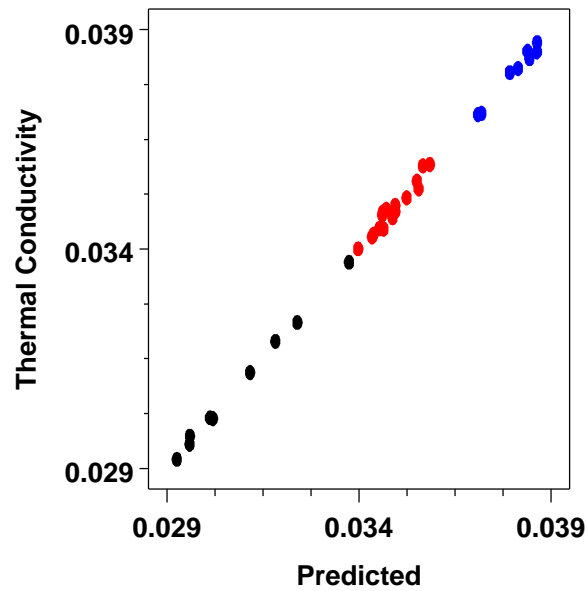


1450b Dataset Model 6: 4-Plot of the Residuals



PPCC = 0.9817

1450b Dataset Model 6a: $k = -0.000846569 + 0.000108813 \cdot t + 0.0000149165 \cdot d + 0 \cdot t^{**3} +$
 $-10.34270118 \cdot \text{EXP}(-((t-1225.692719)/-118.5430422)^{**2})$ (RESSD: 0.0001187158, BIC: -589.952382)

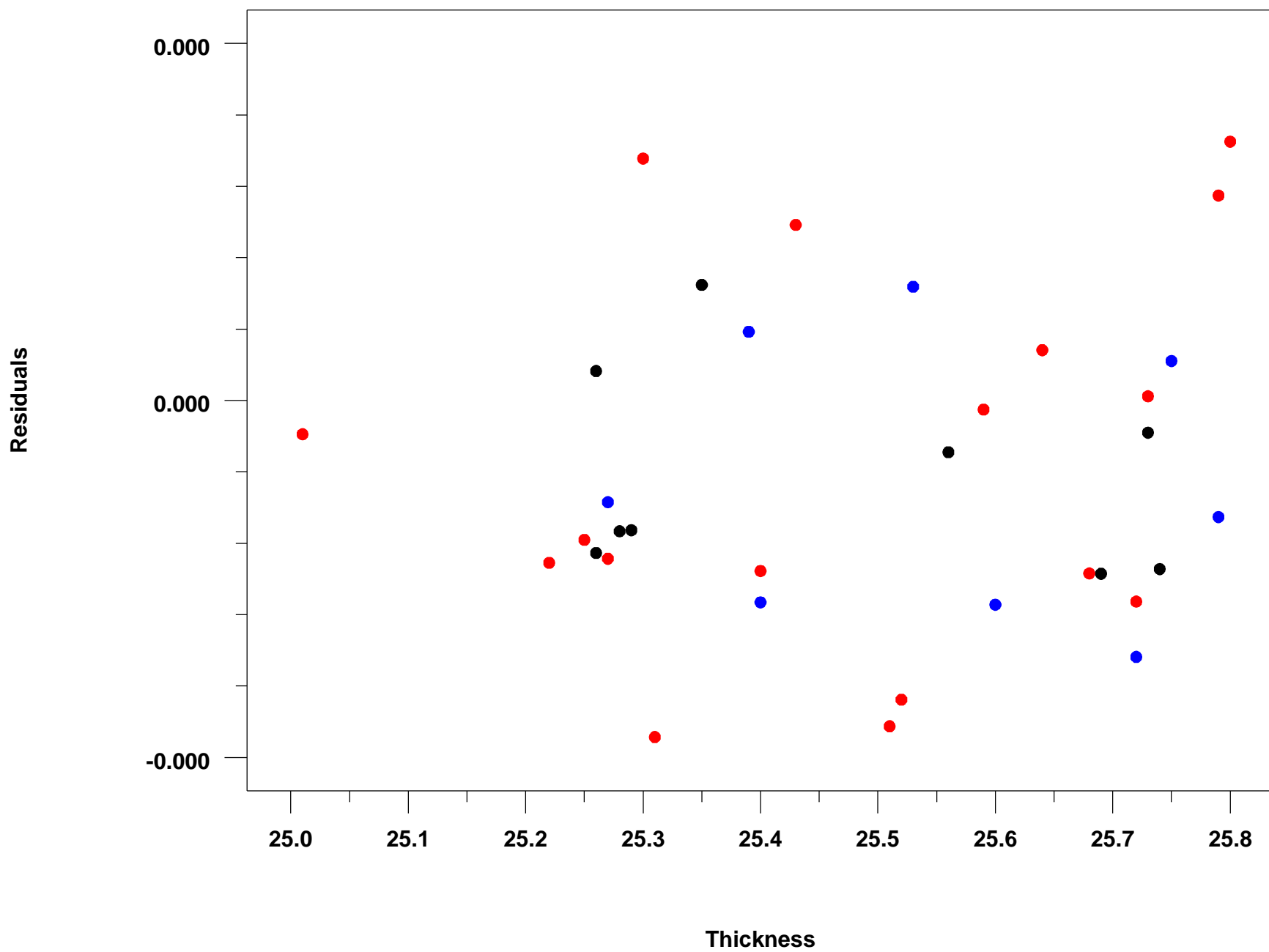


● - Temperature < 290,

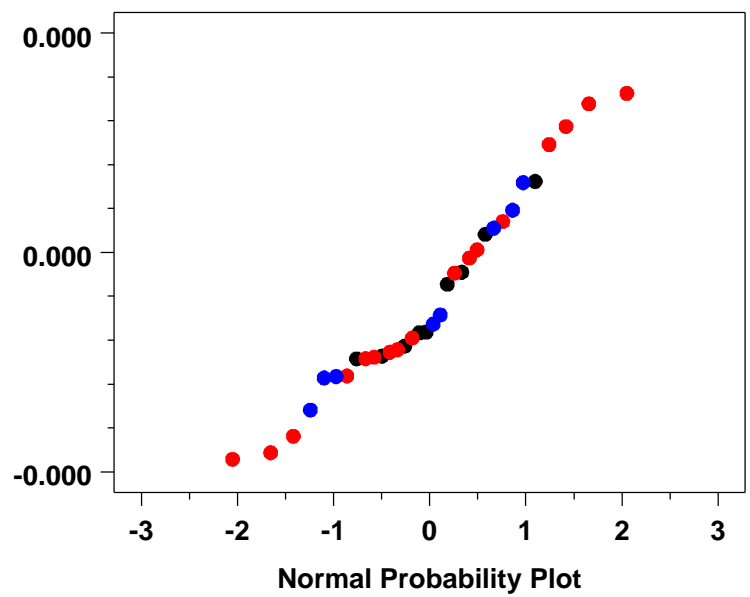
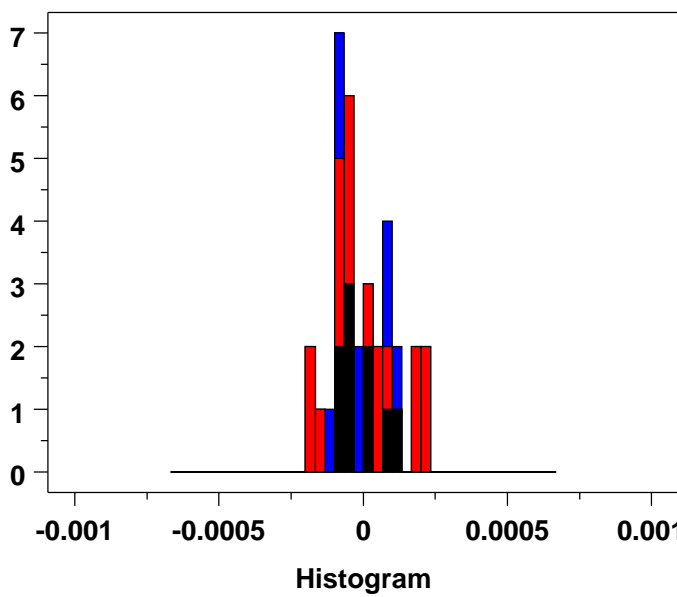
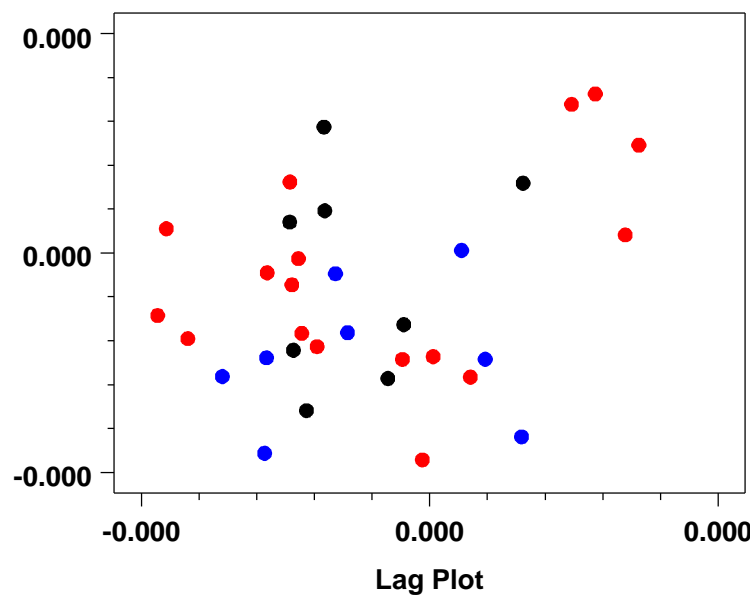
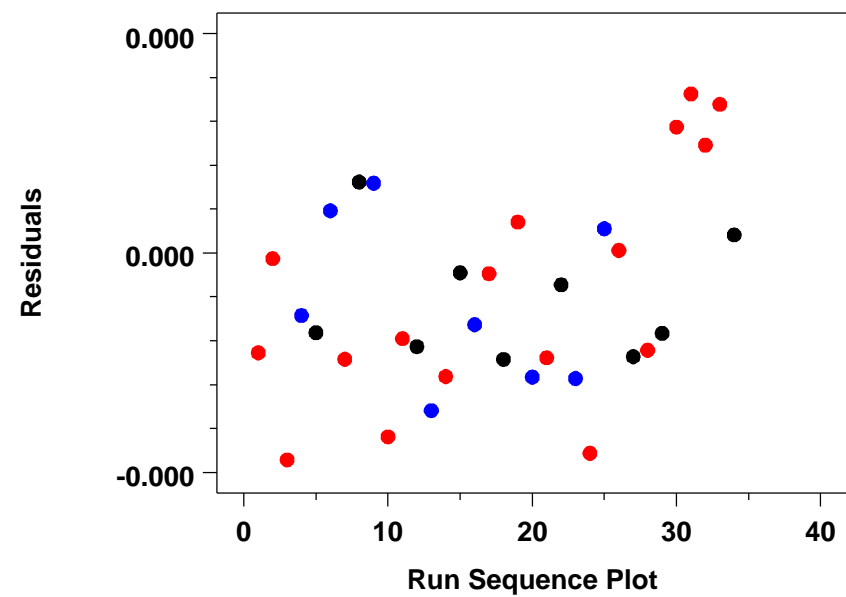
● - 290 < Temperature < 310,

● - Temperature > 310

1450b Dataset Model 6b: Nuisance Factors Versus Residuals

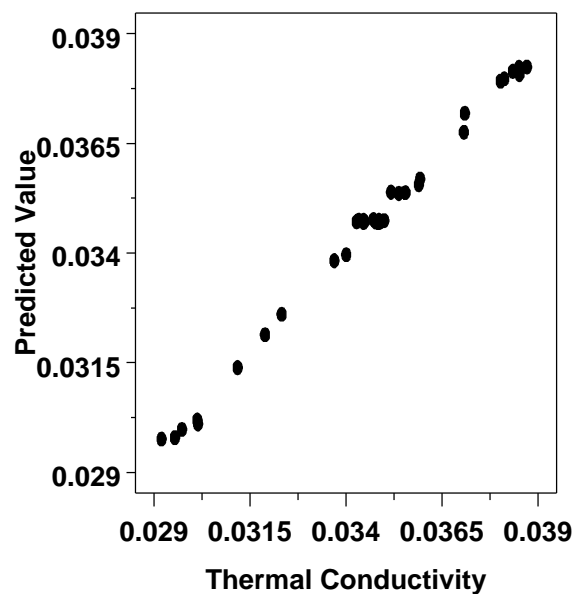


1450b Dataset Model 6a: 4-Plot of the Residuals

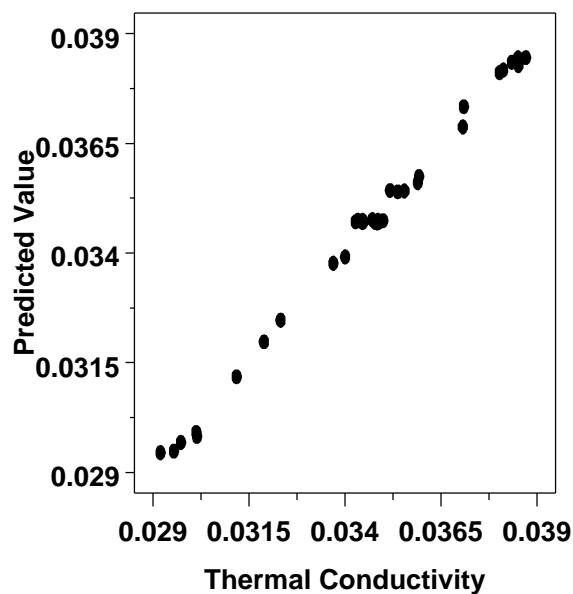


PPCC = 0.9817

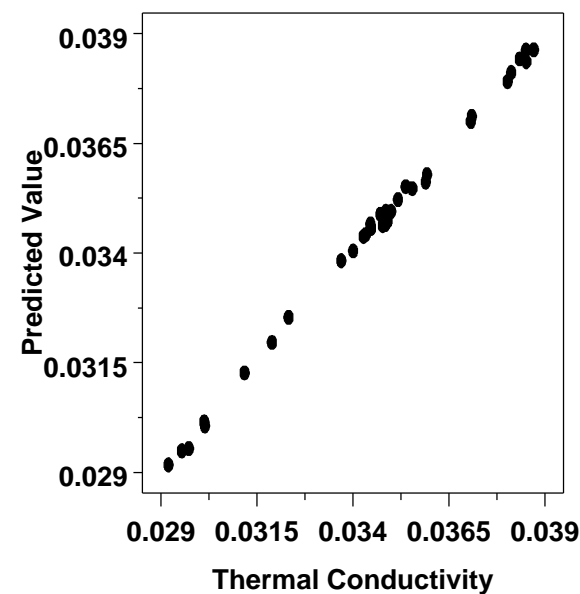
Model: $k = a_0 + a_1 \cdot t$



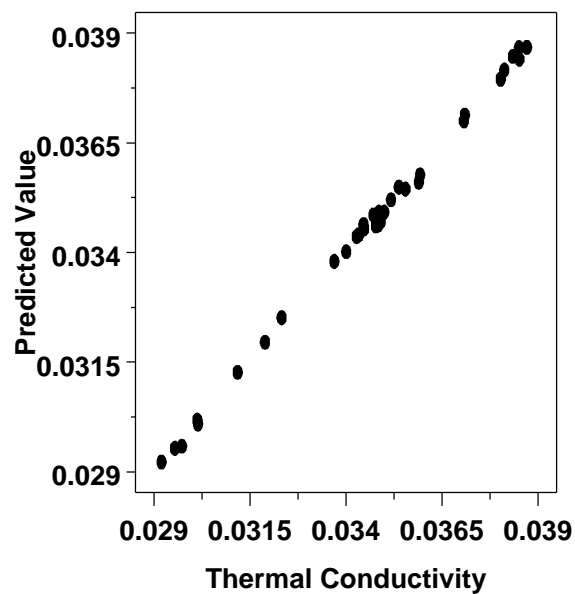
Model: $k = a_1 \cdot t$



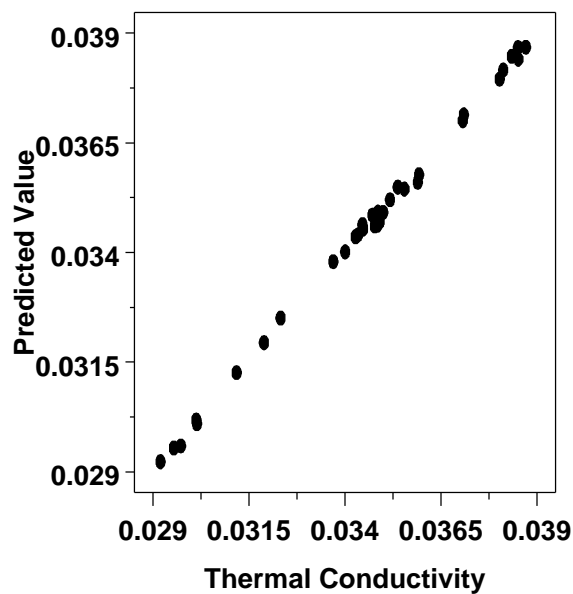
Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d$



Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d + a_3 \cdot t^{**3}$



Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d + a_3 \cdot e1$



Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d + a_3 \cdot t^{**3} + a_4 \cdot e1$

