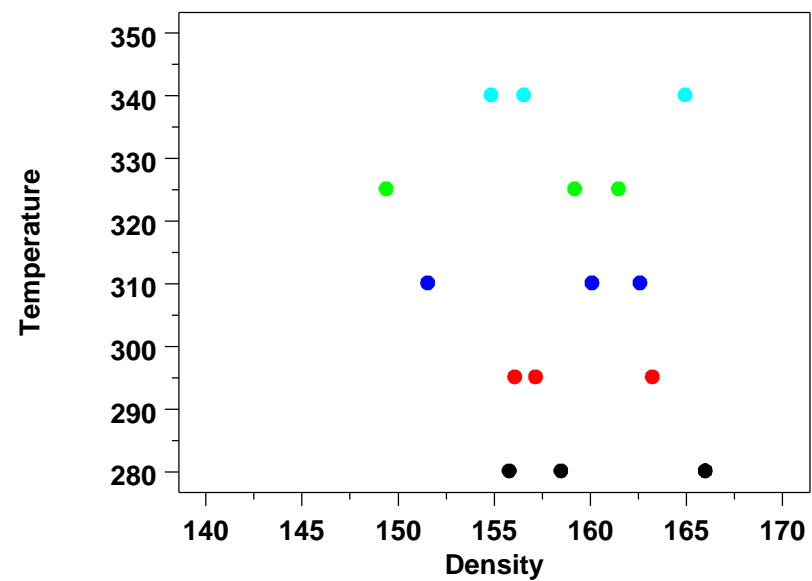
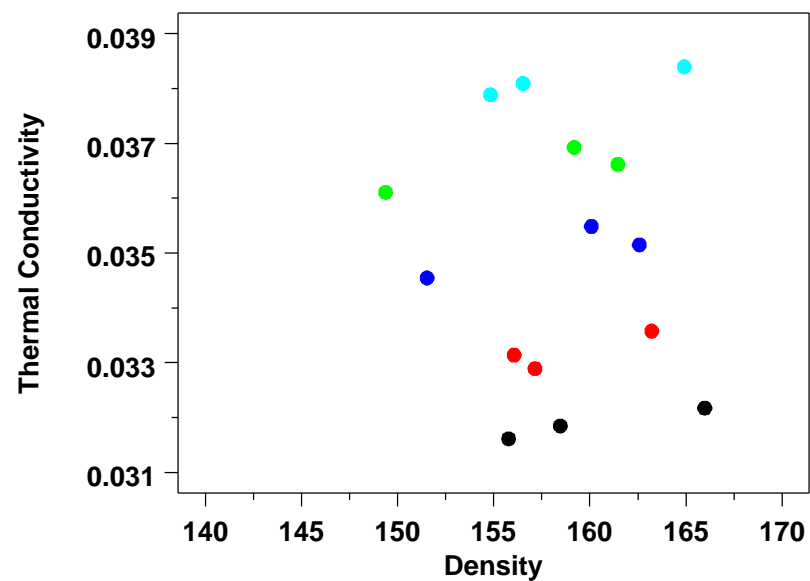
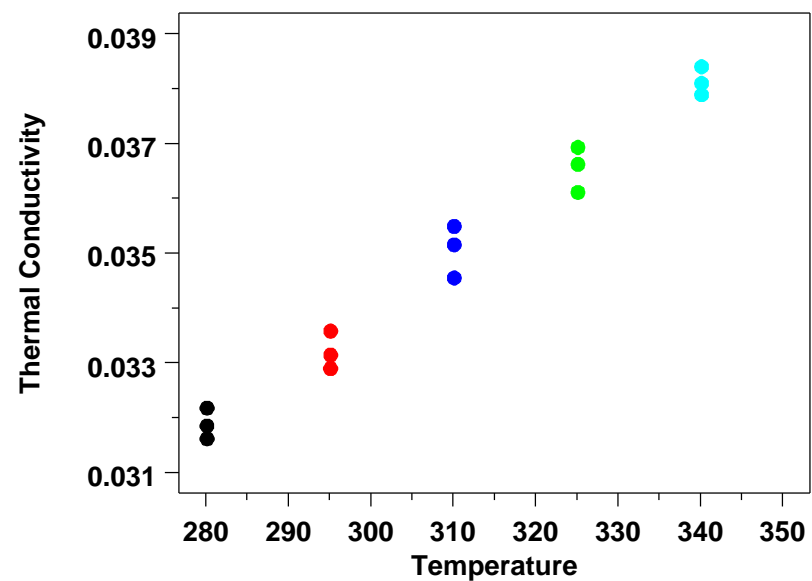
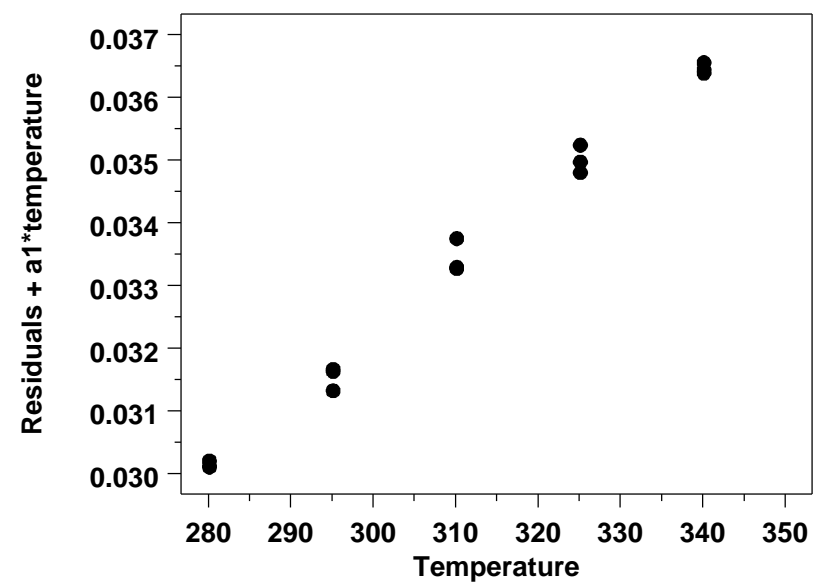
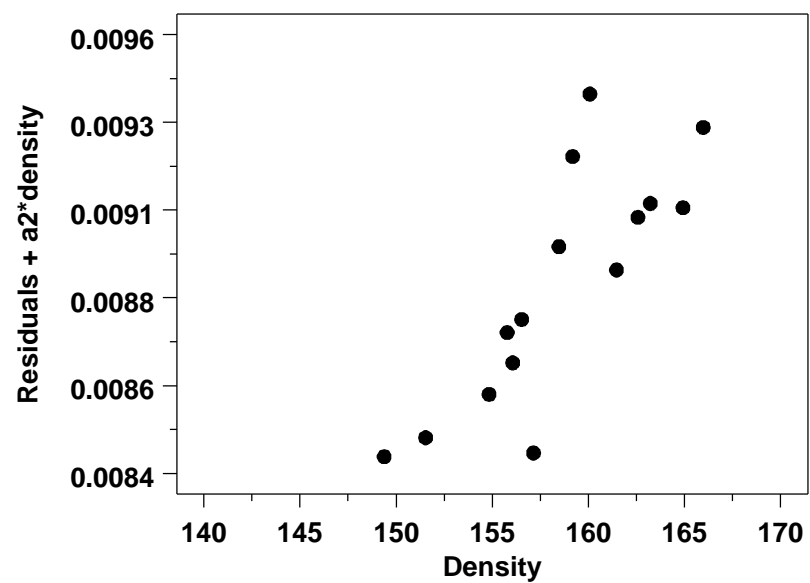


Dataset 1450c: Raw Data

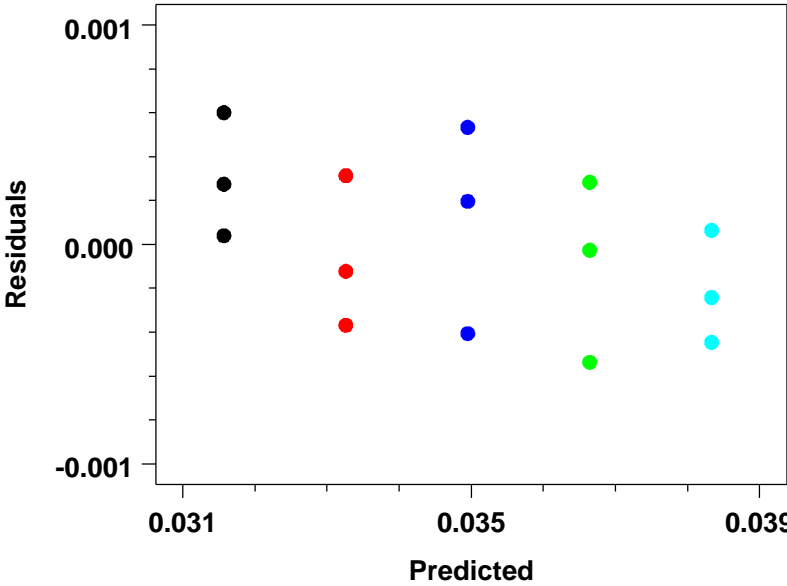
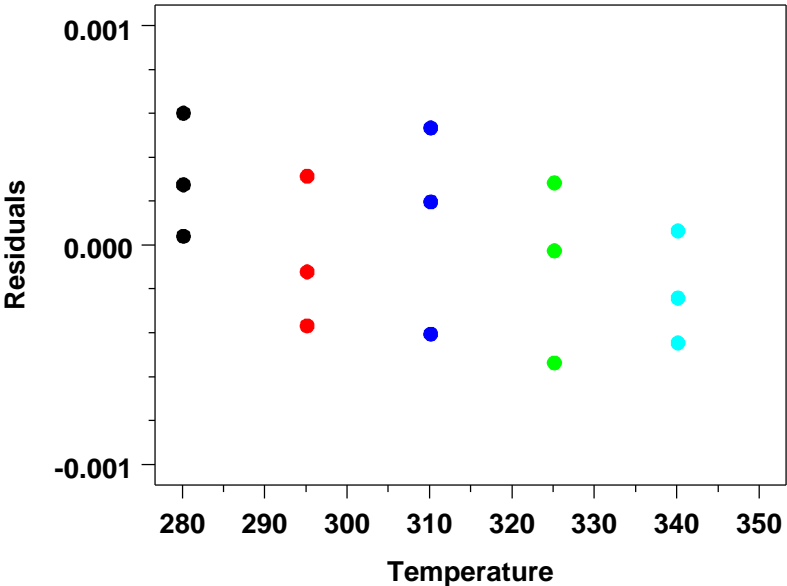
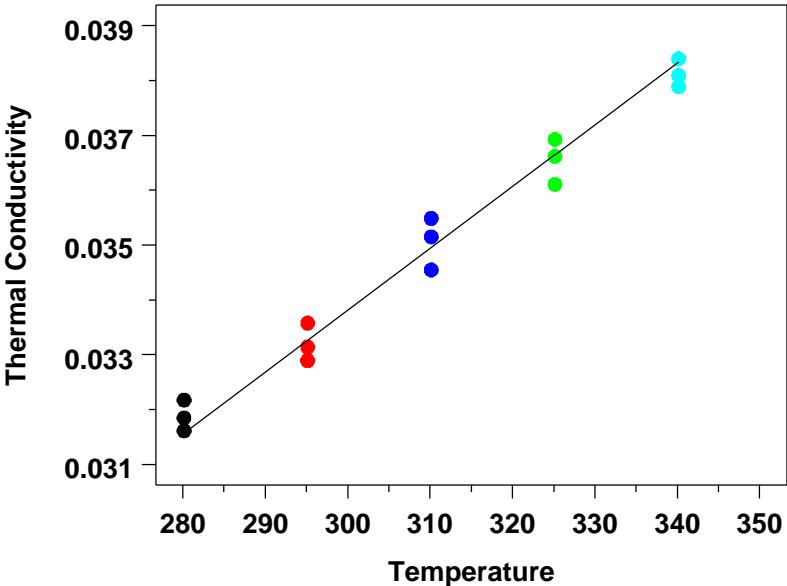


- - Temperature < 290
- - 290 < Temperature < 300
- - 305 < Temperature < 315
- - 320 < Temperature < 335
- - Temperature > 335

Dataset 1450c: Partial Residual Plots

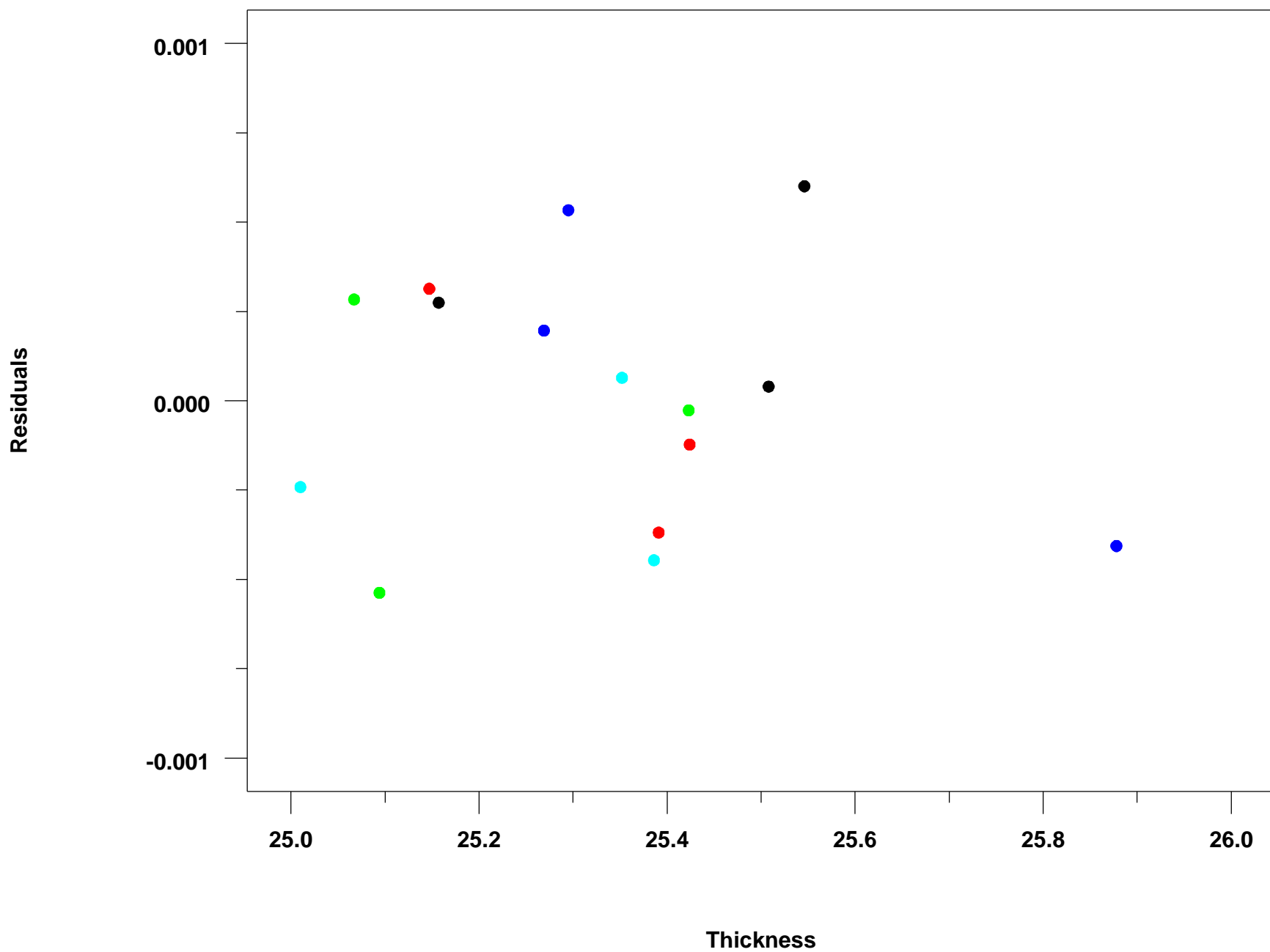


1450c Dataset Model 1: $k = 0.0001126913 \cdot t$
RESSD: 0.000359323, BIC: -235.230615

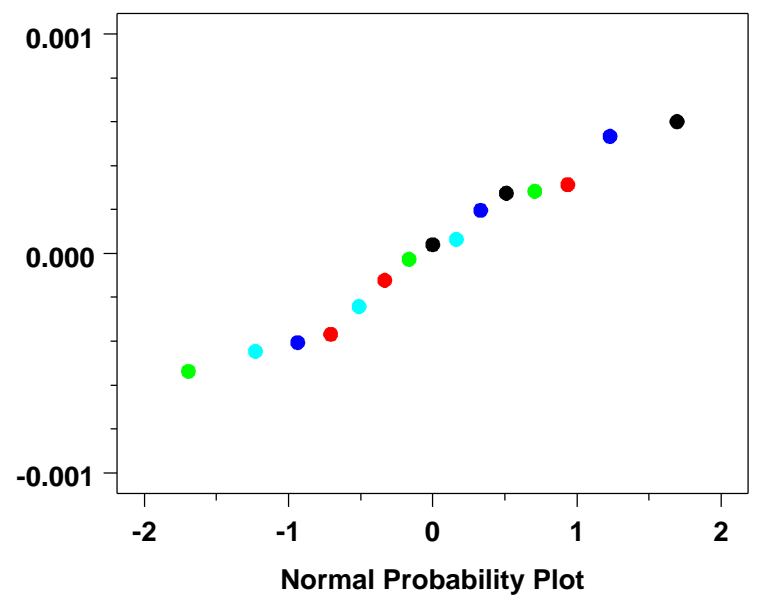
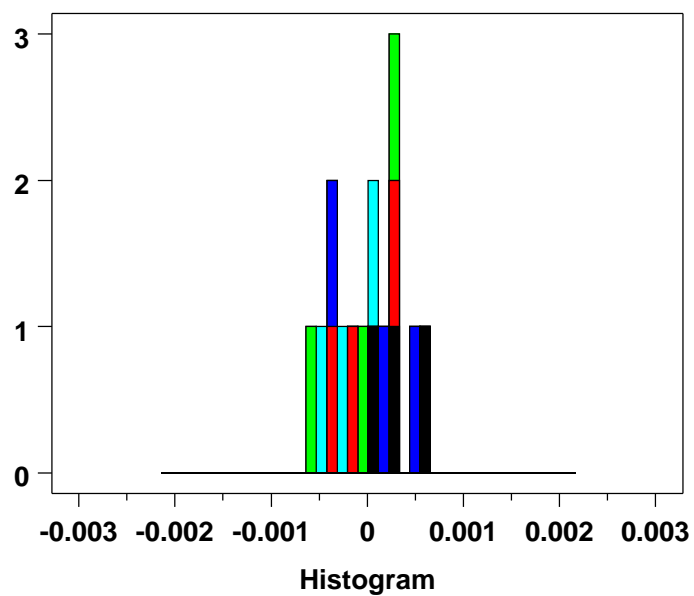
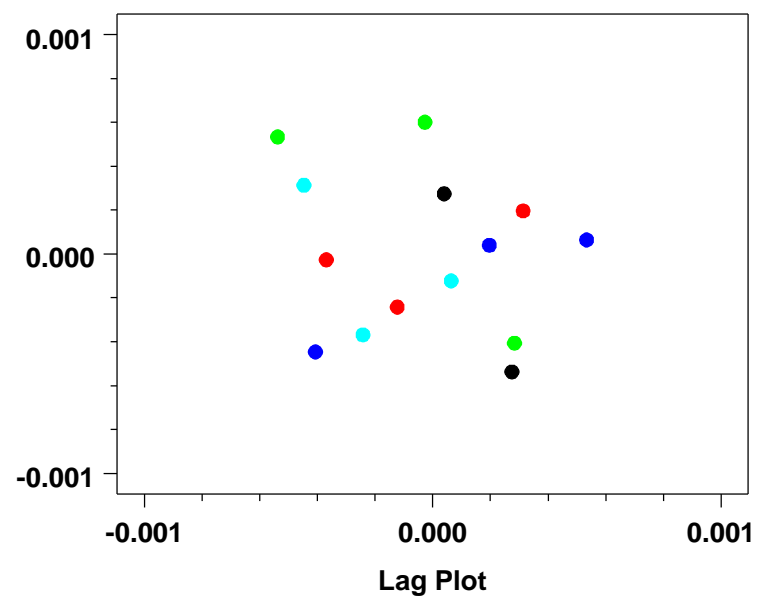
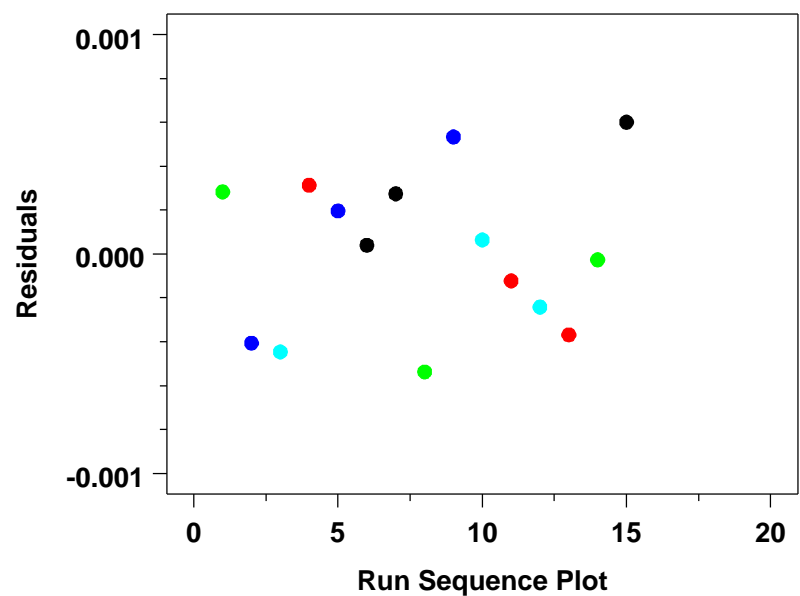


- - Temperature < 290
- - 290 < Temperature < 300
- - 305 < Temperature < 315
- - 320 < Temperature < 335
- - Temperature > 335

1450c Dataset Model 1: Nuisance Factors Versus Residuals



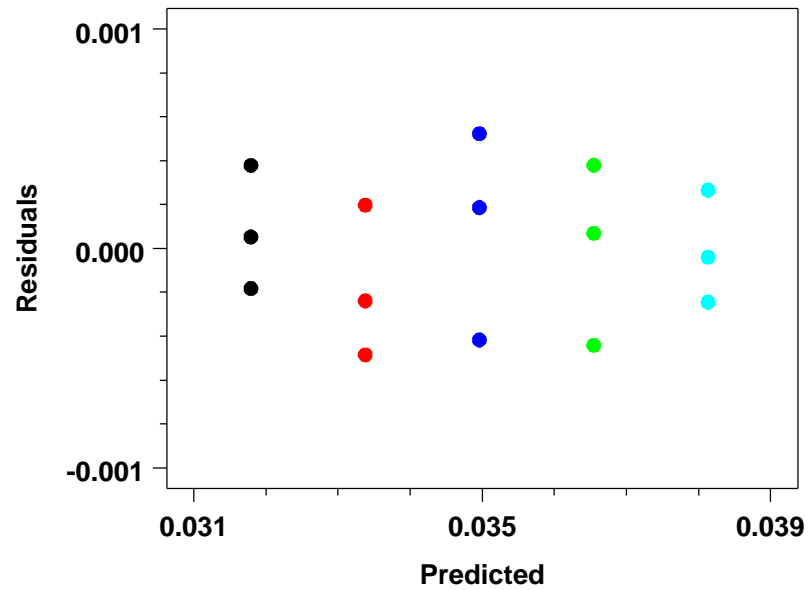
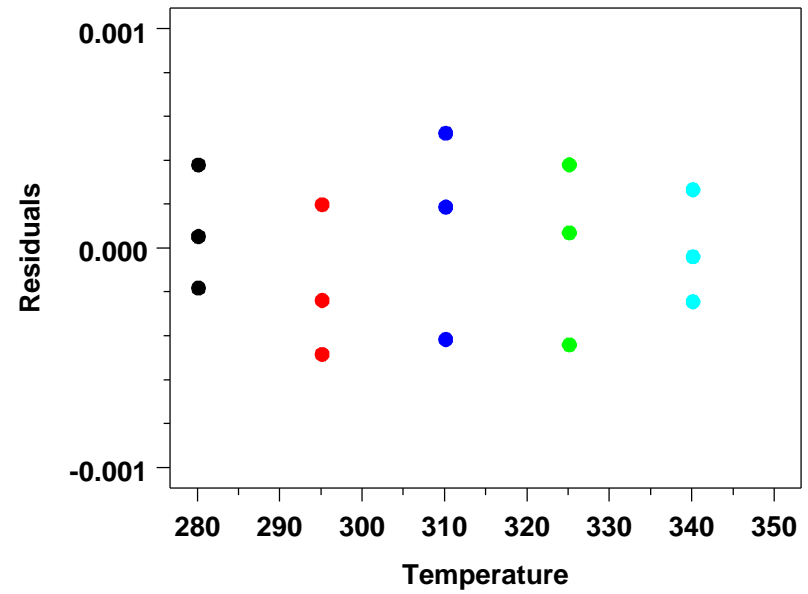
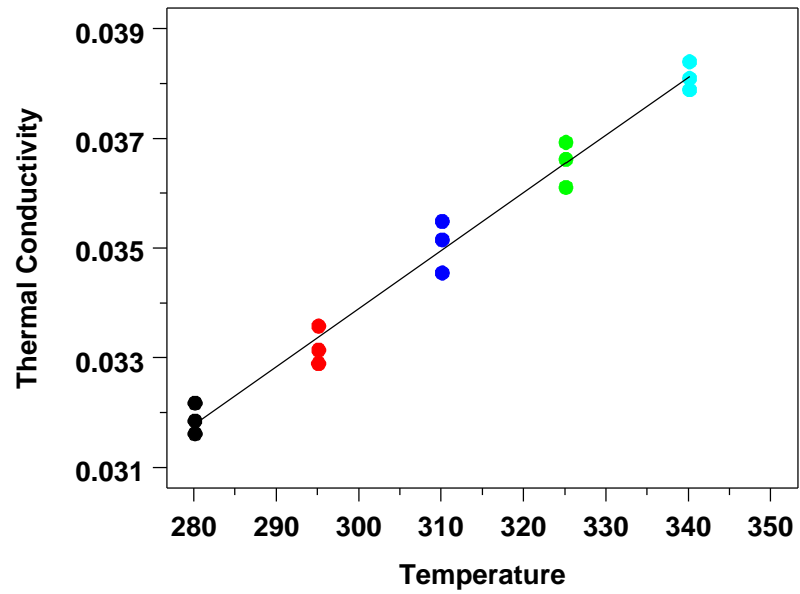
1450c Dataset Model 1: 4-Plot of the Residuals



PPCC = 0.9868

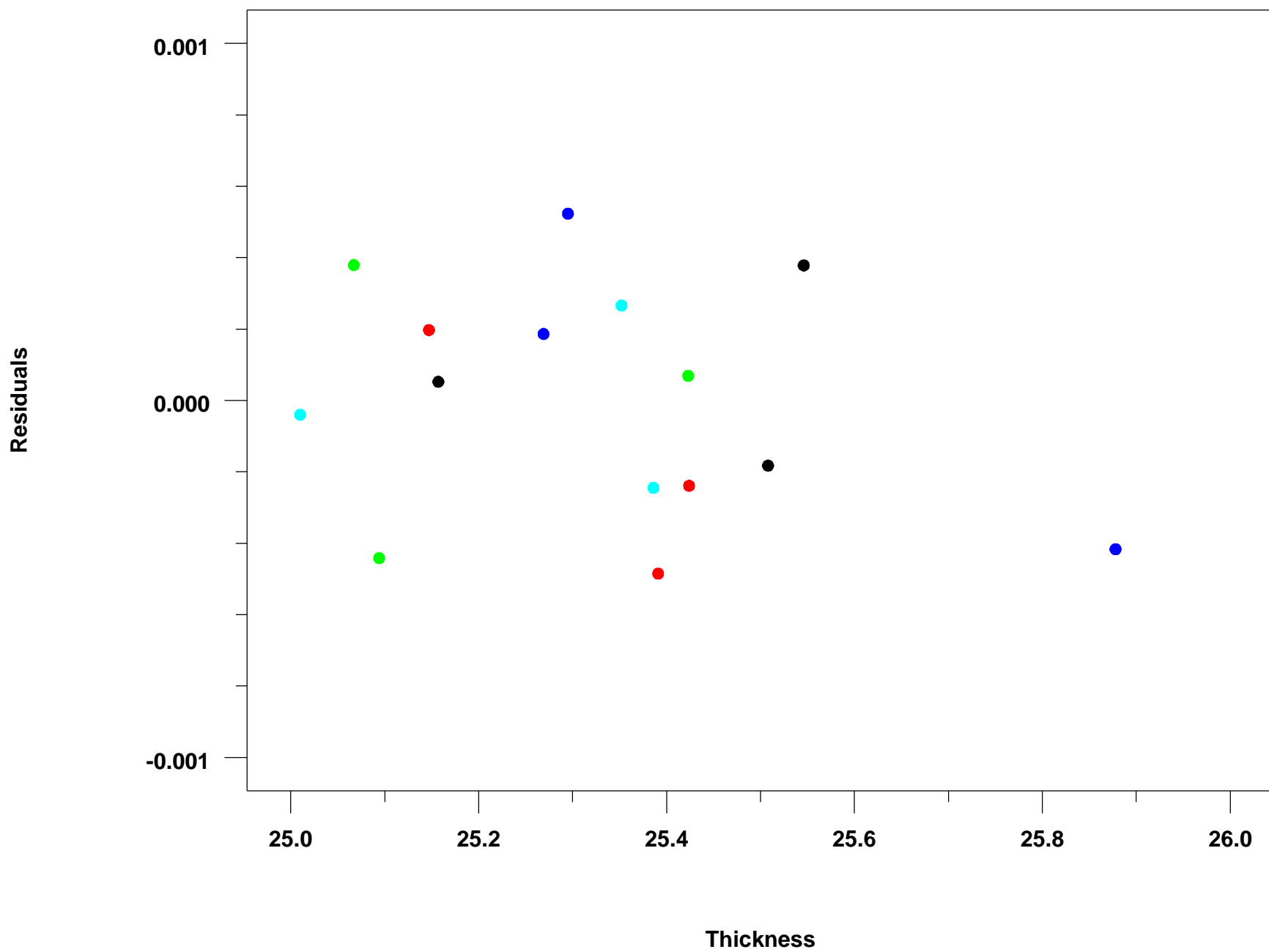
1450c Dataset Model 2: $k = 0.002201953 + 0.0001056247 \cdot t$

RESSD: 0.0003361447, BIC: -234.522969

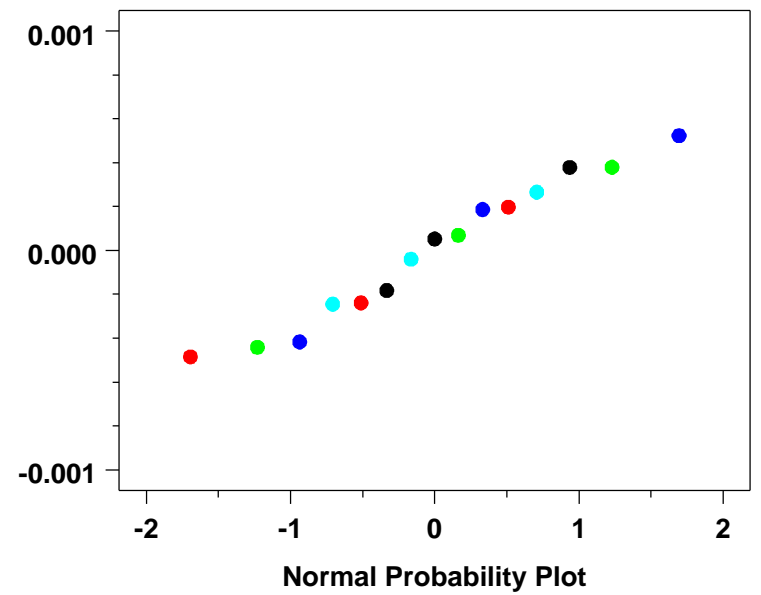
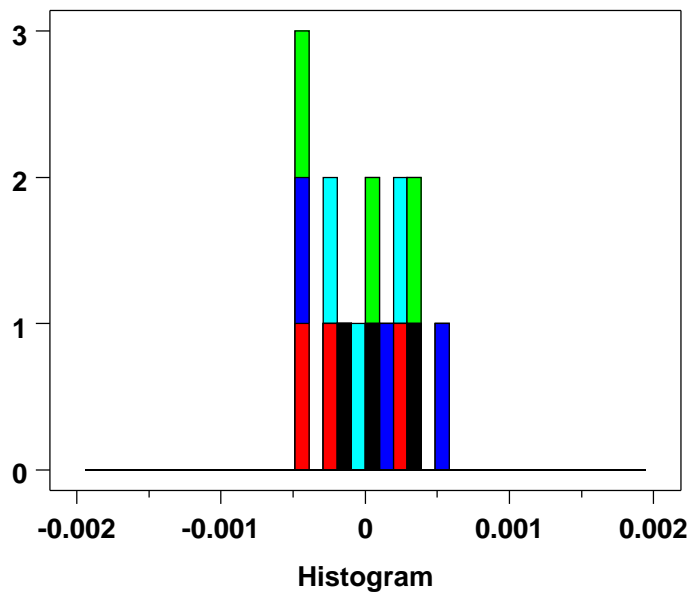
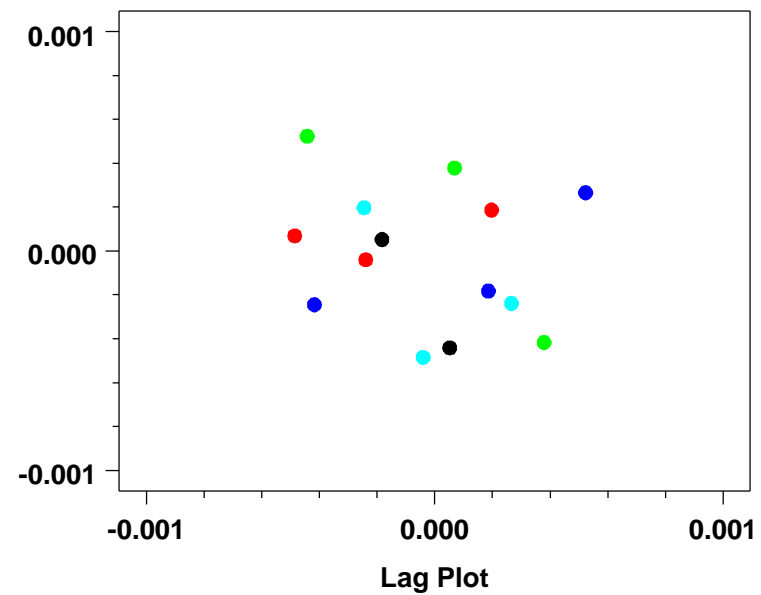
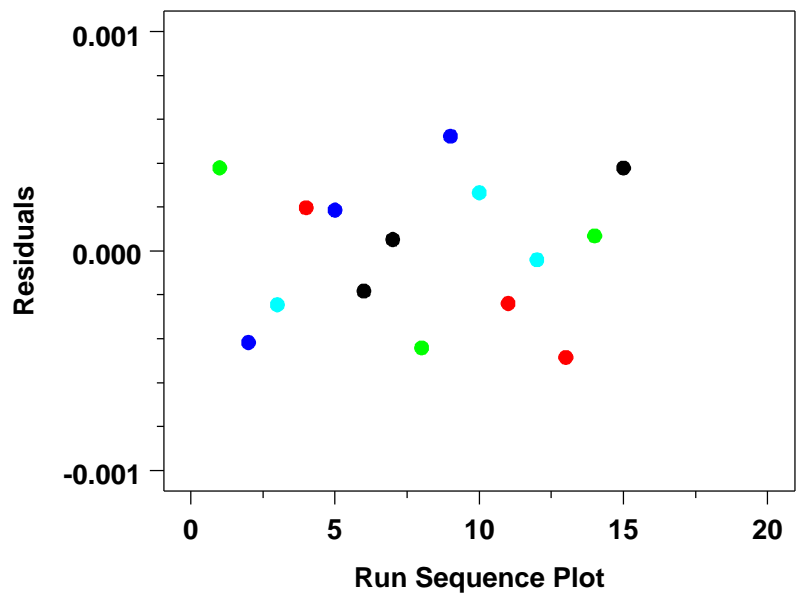


- - Temperature < 290
- - 290 < Temperature < 300
- - 305 < Temperature < 315
- - 320 < Temperature < 335
- - Temperature > 335

1450c Dataset Model 2: Nuisance Factors Versus Residuals



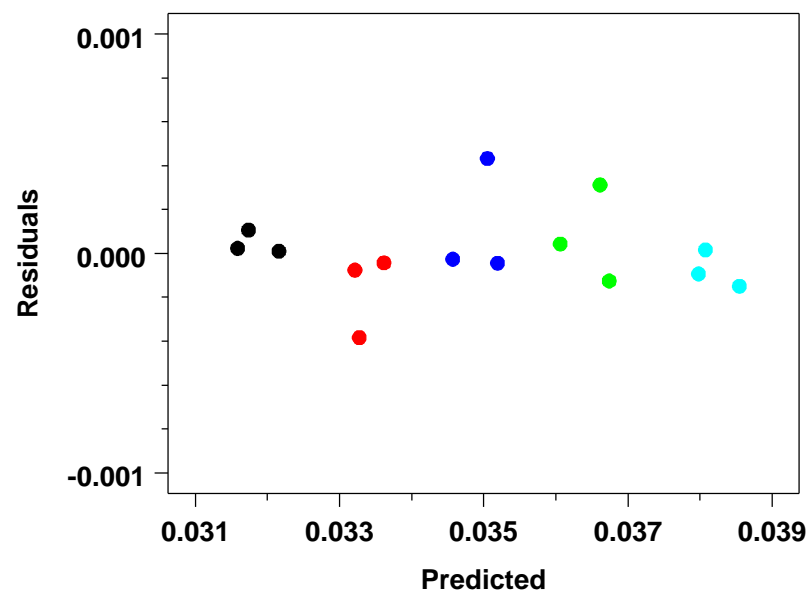
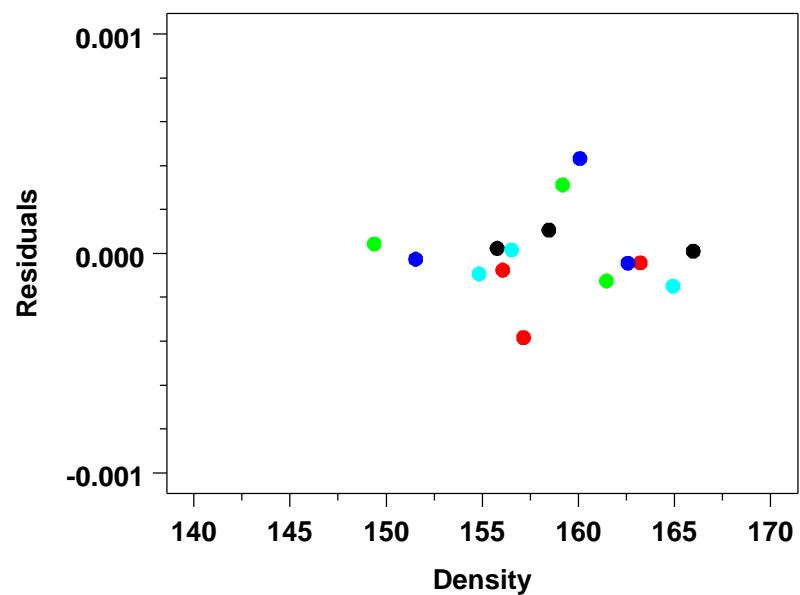
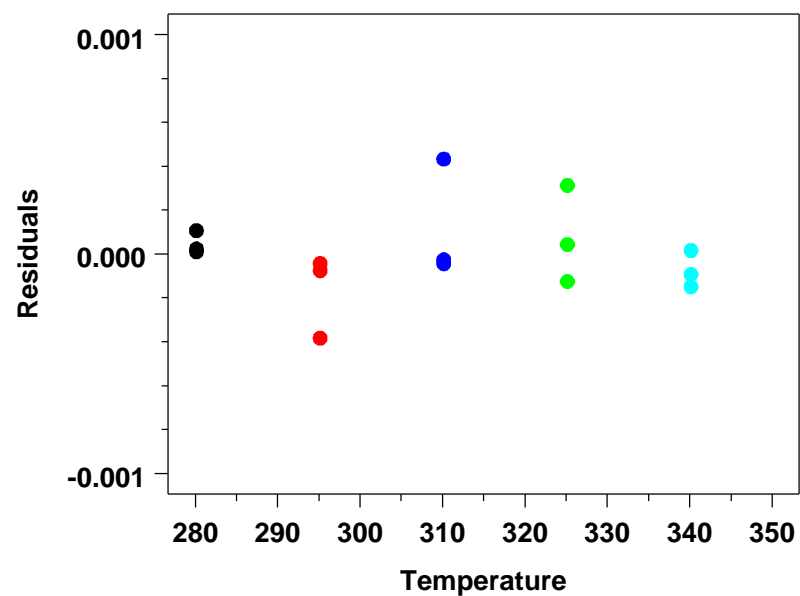
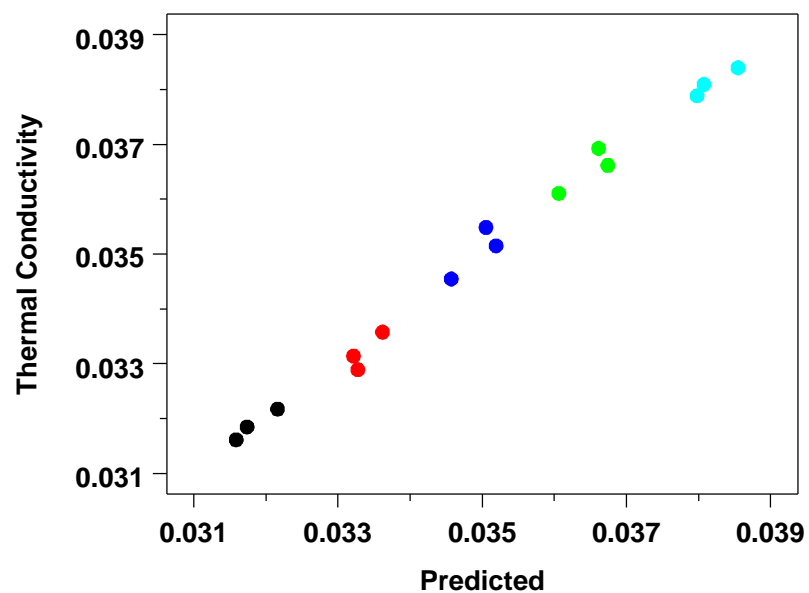
1450c Dataset Model 2: 4-Plot of the Residuals



PPCC = 0.9845

1450c Dataset Model 3: $k = -0.007265542 + 0.0001074085 \cdot t + 0.0000562506 \cdot d$

RESSD: 0.0002048915, BIC: -246.6667434



● - Temperature < 290

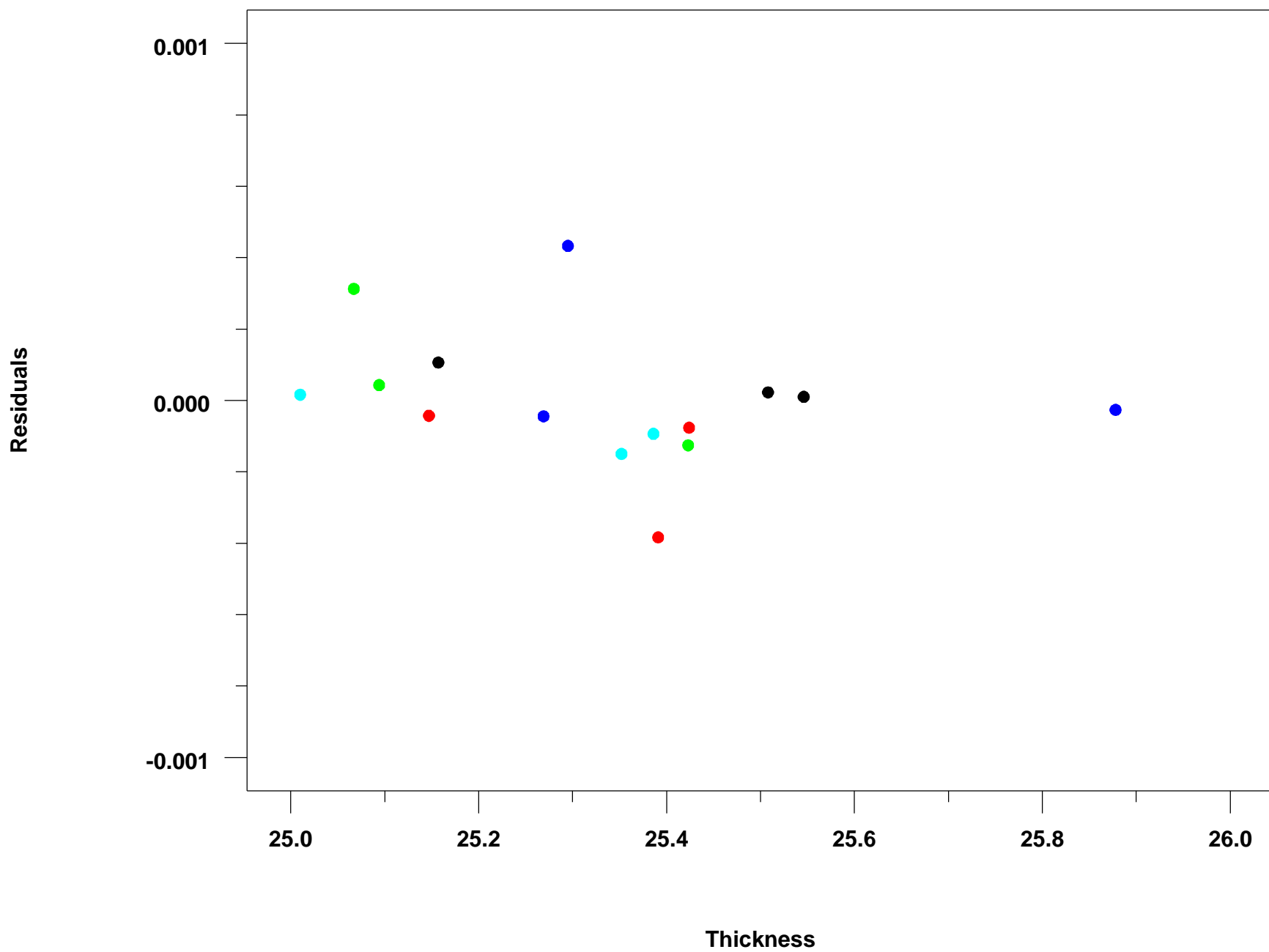
● - 290 < Temperature < 300

● - 305 < Temperature < 315

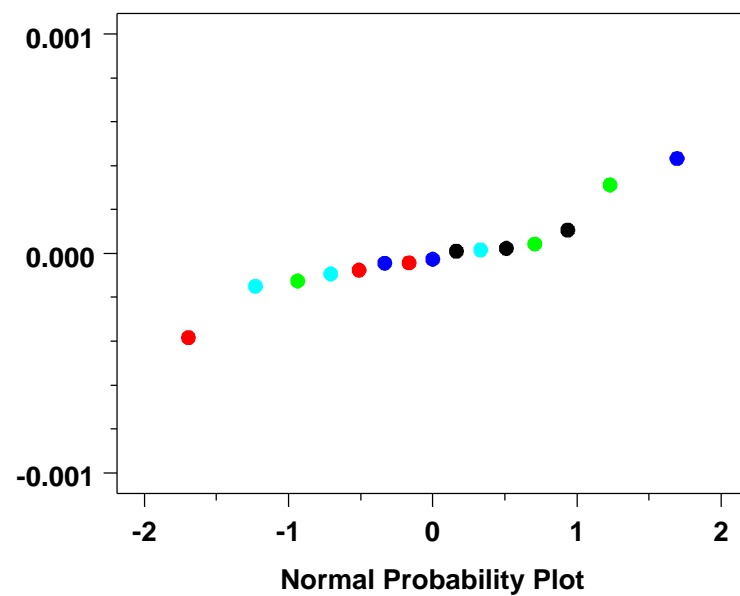
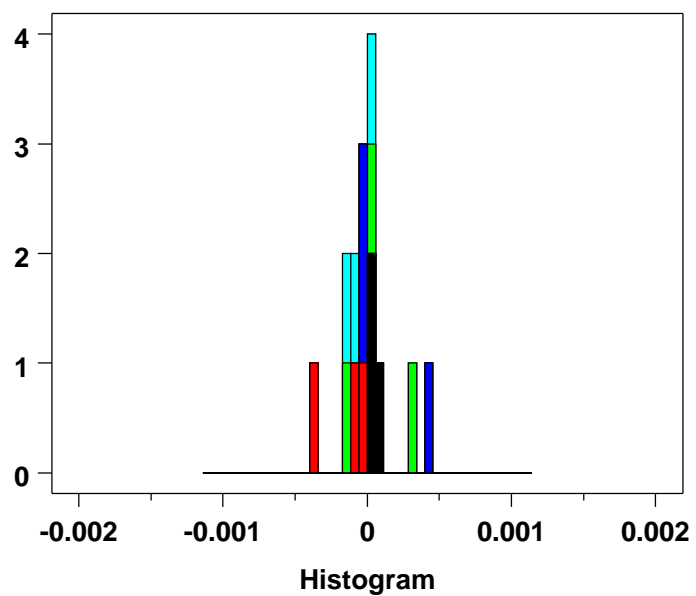
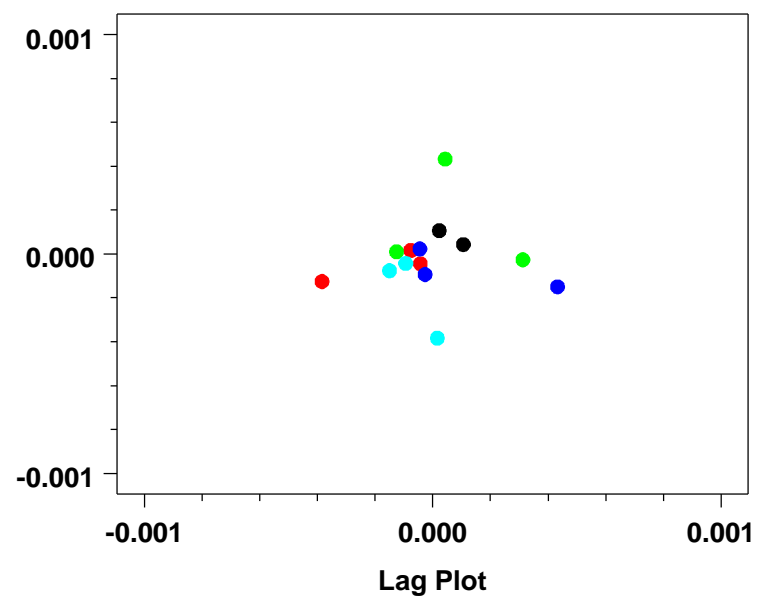
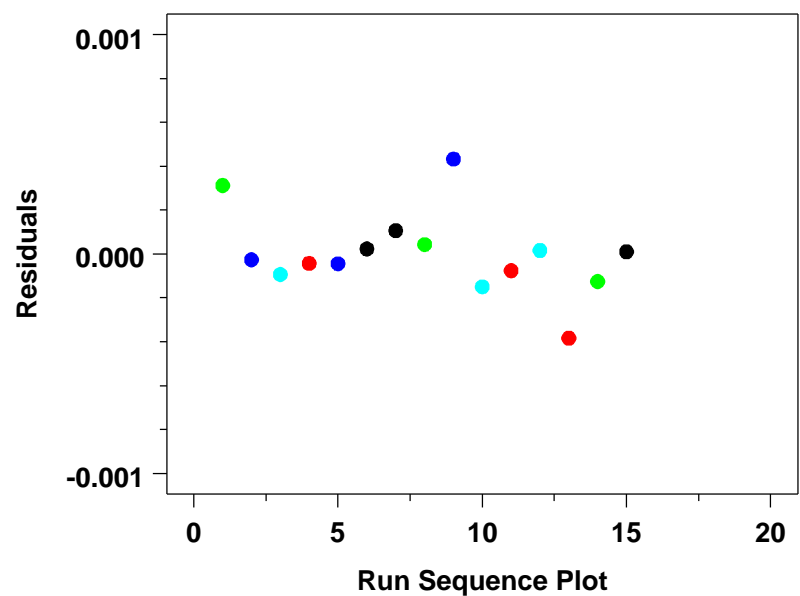
● - 320 < Temperature < 335

● - Temperature > 335

1450c Dataset Model 3: Nuisance Factors Versus Residuals



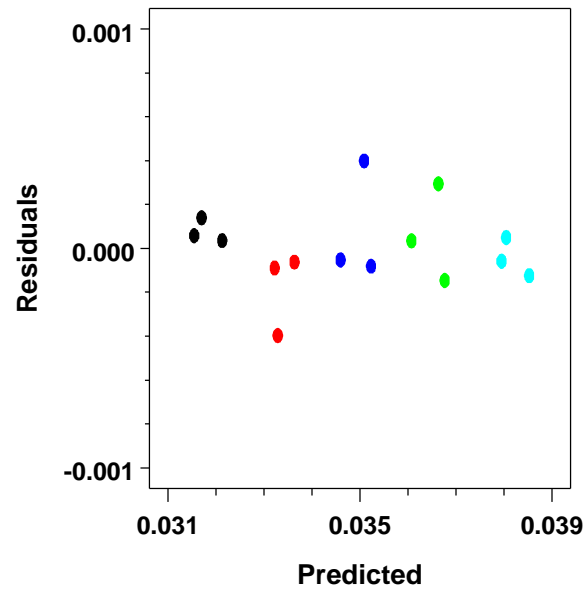
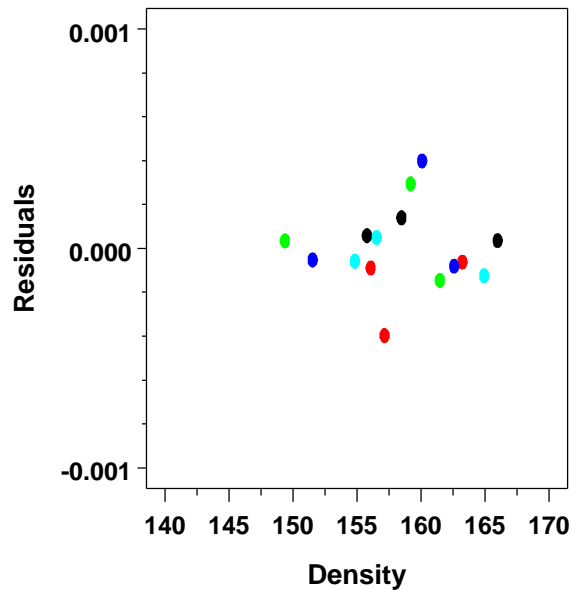
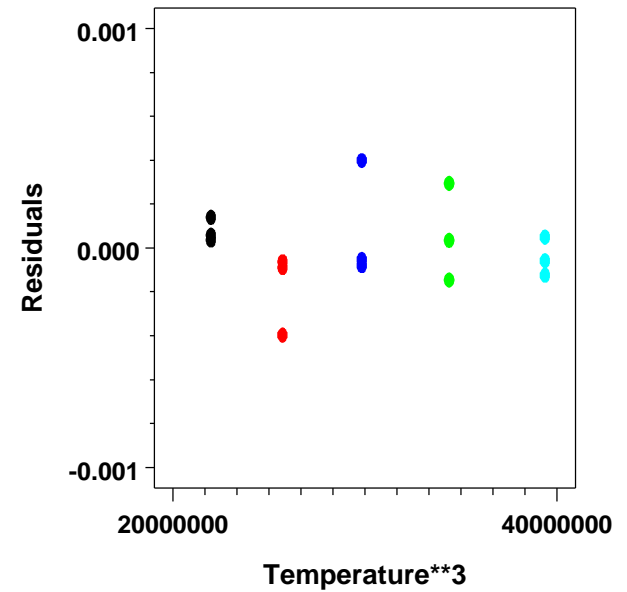
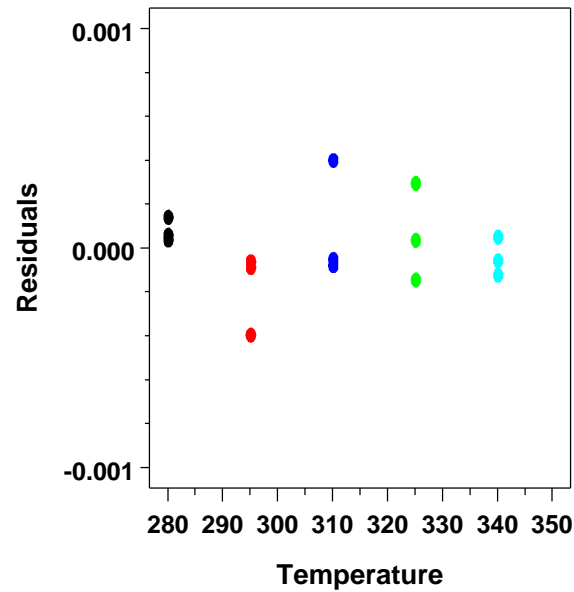
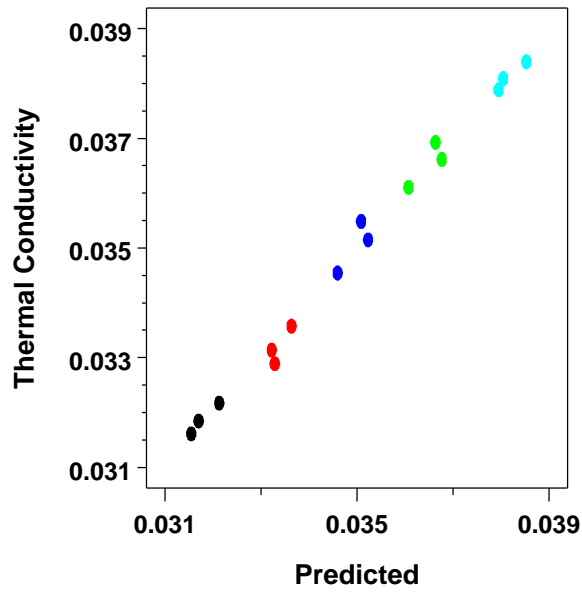
1450c Dataset Model 3: 4-Plot of the Residuals



PPCC = 0.9416

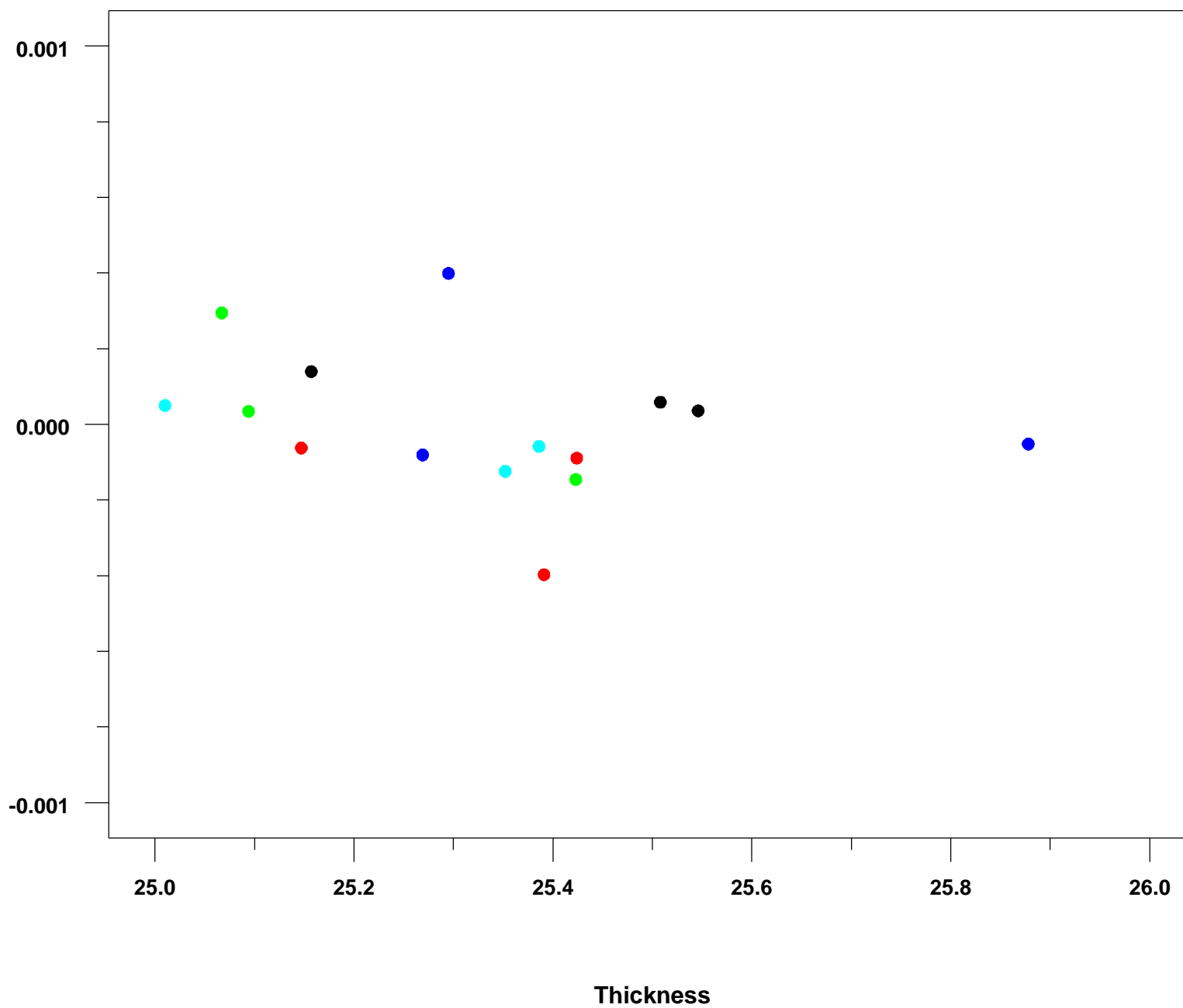
1450c Dataset Model 4: $k = -0.012034316 + 0.0001298378 \cdot t + 0.0000572239 \cdot d + 0 \cdot t^3$

RESSD: 0.000211708, BIC: -242.976891

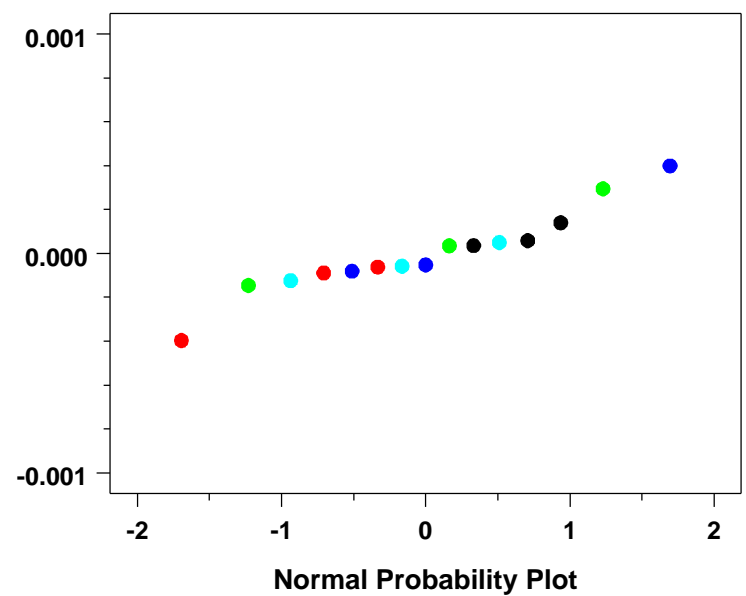
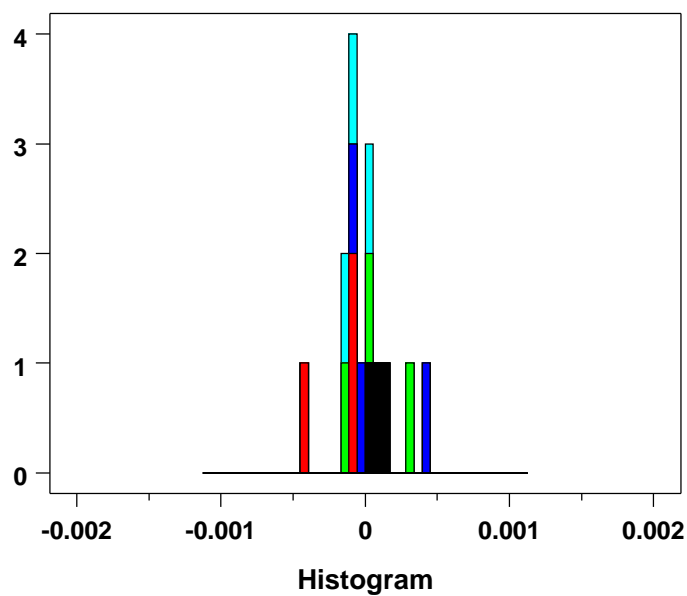
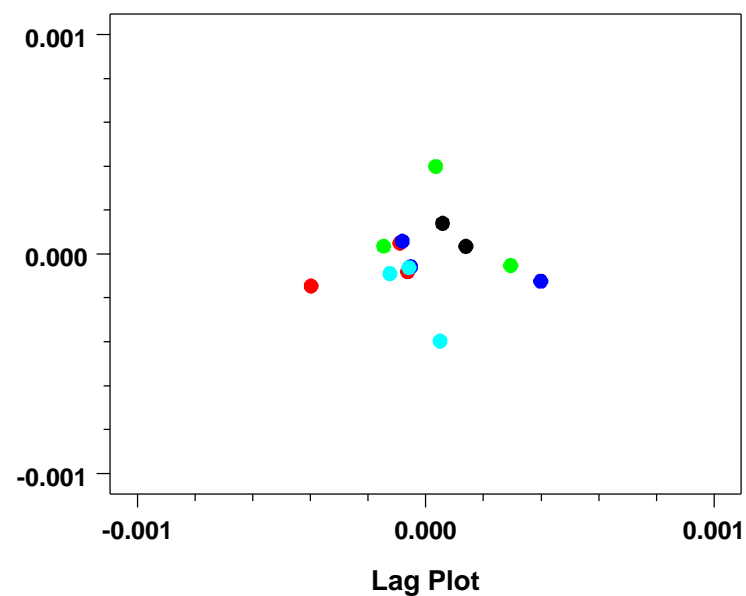
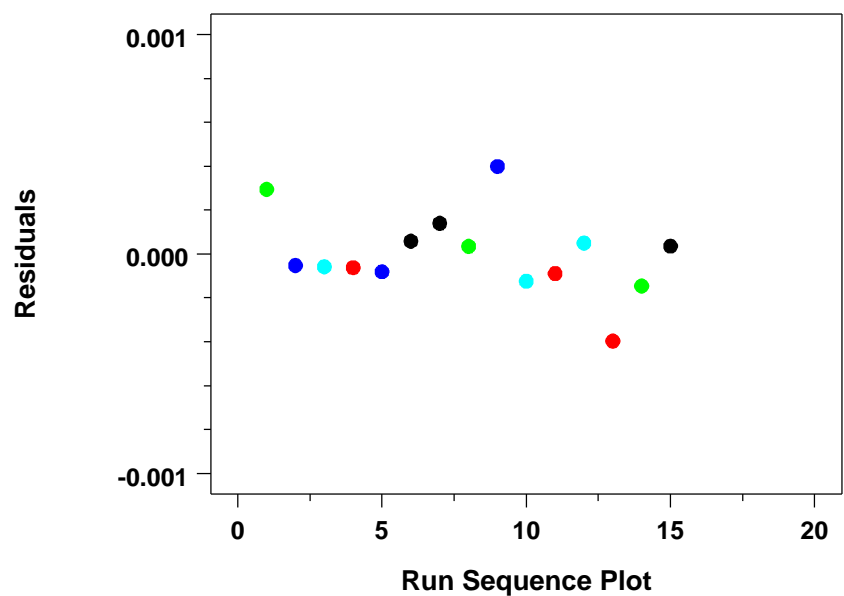


- - Temperature < 290
- - 290 < Temperature < 300
- - 305 < Temperature < 315
- - 320 < Temperature < 335
- - Temperature > 335

1450c Dataset Model 4: Nuisance Factors Versus Residuals



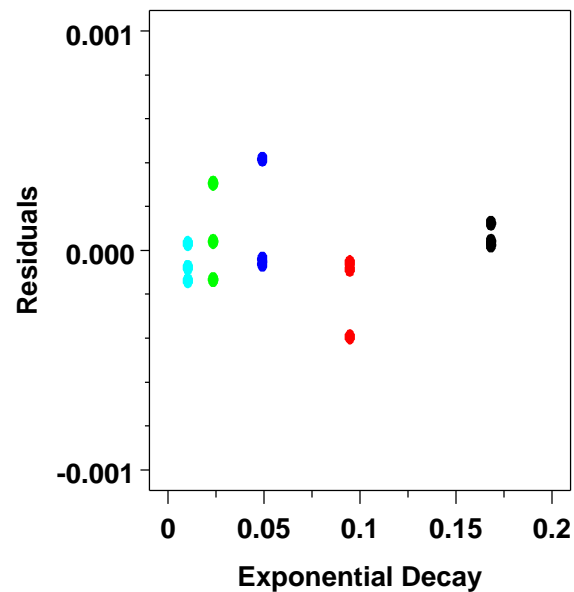
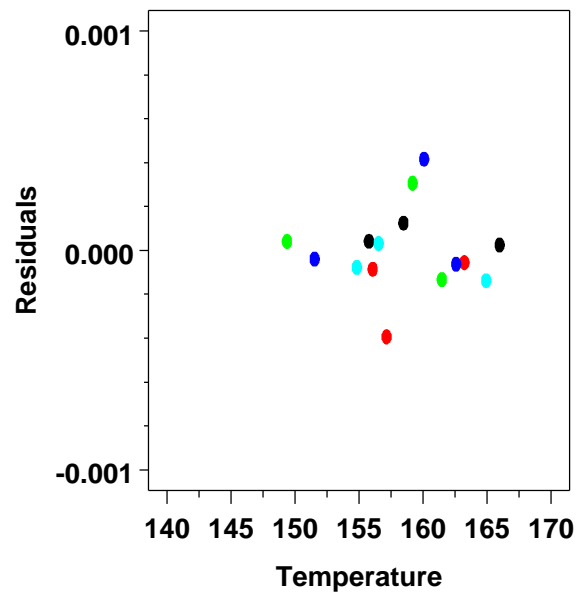
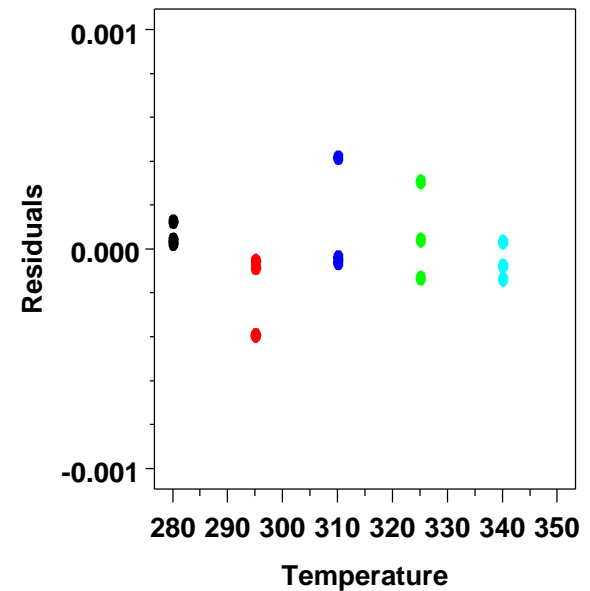
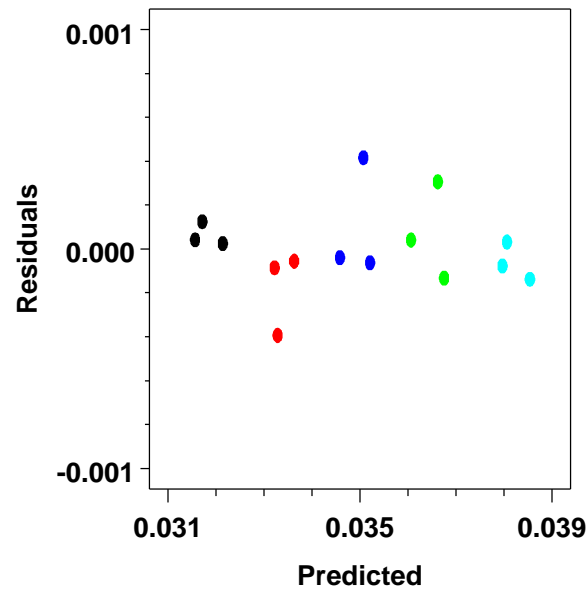
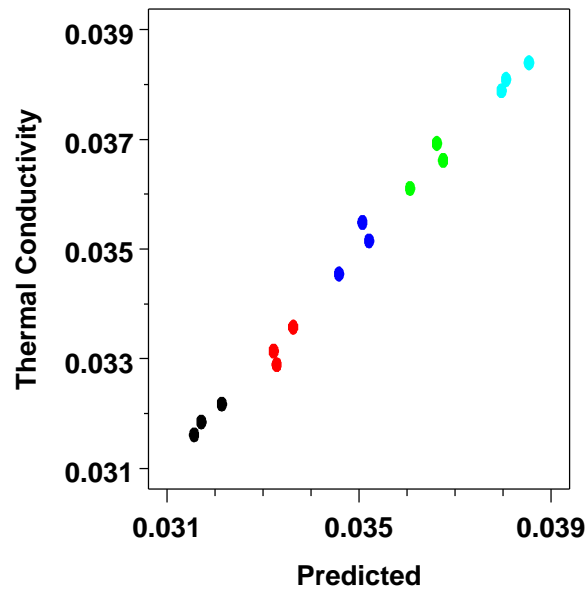
1450c Dataset Model 4: 4-Plot of the Residuals



PPCC = 0.9565

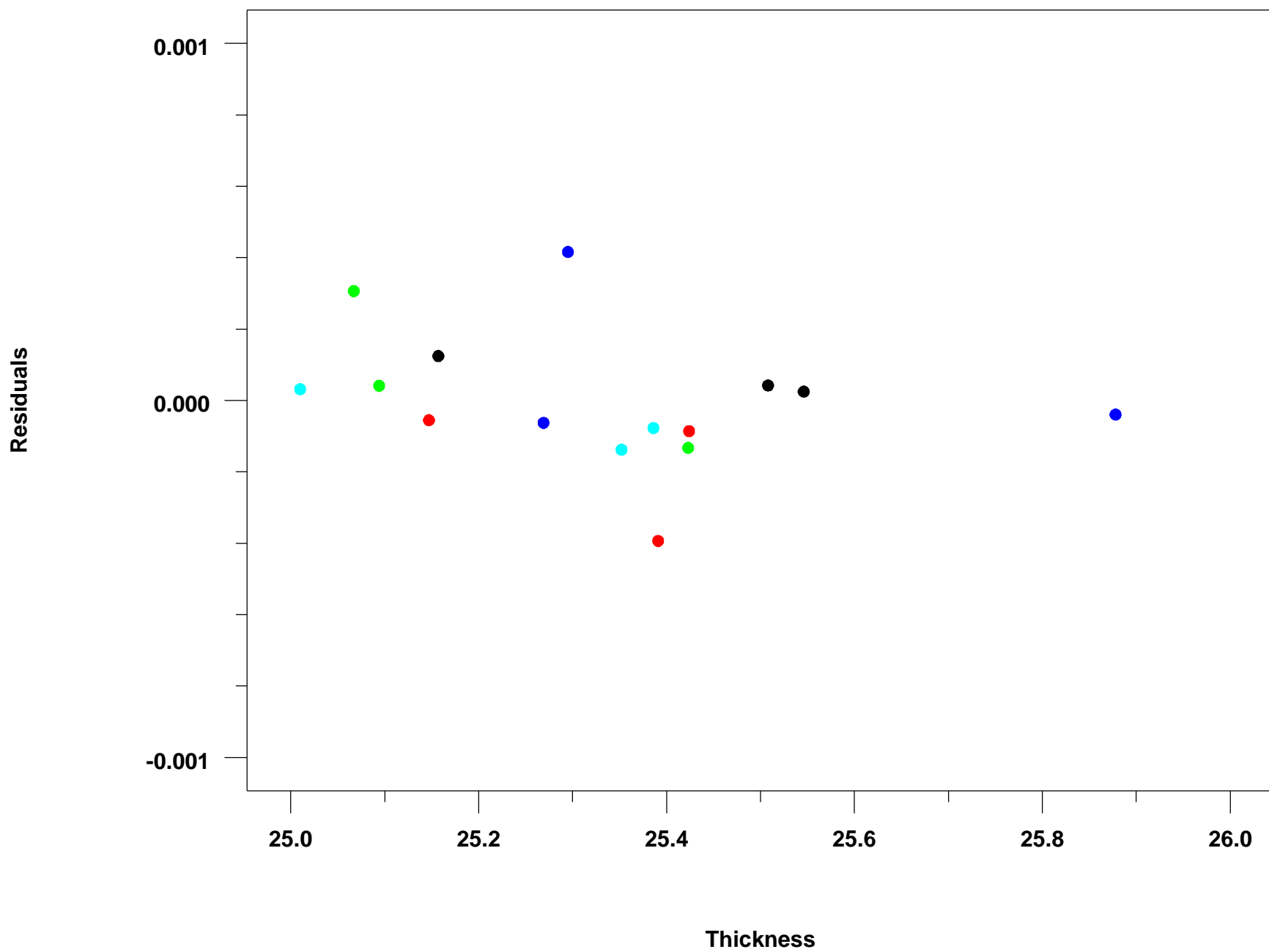
1450c Dataset Model 5: $k = -0.006635787 + 0.0001053301 \cdot t + 0.000056699 \cdot d + -0.000812399 \cdot e1$

RESSD: 0.0002134121, BIC: -242.7363642

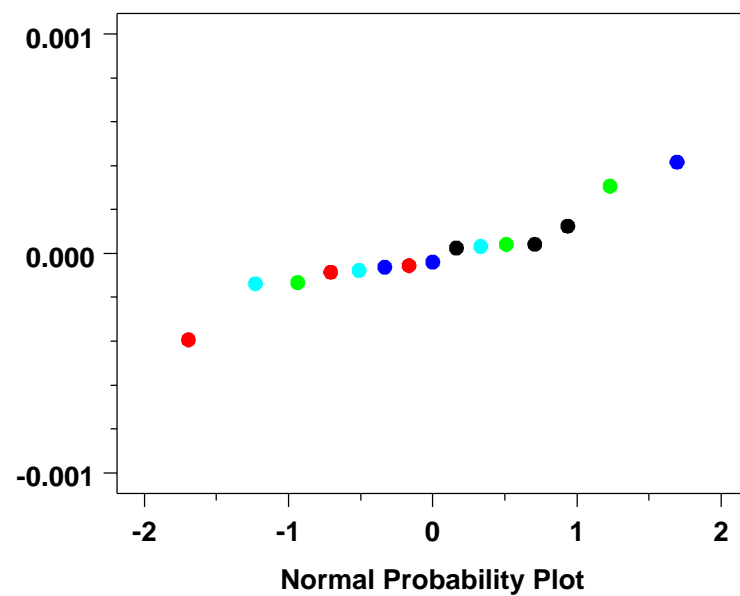
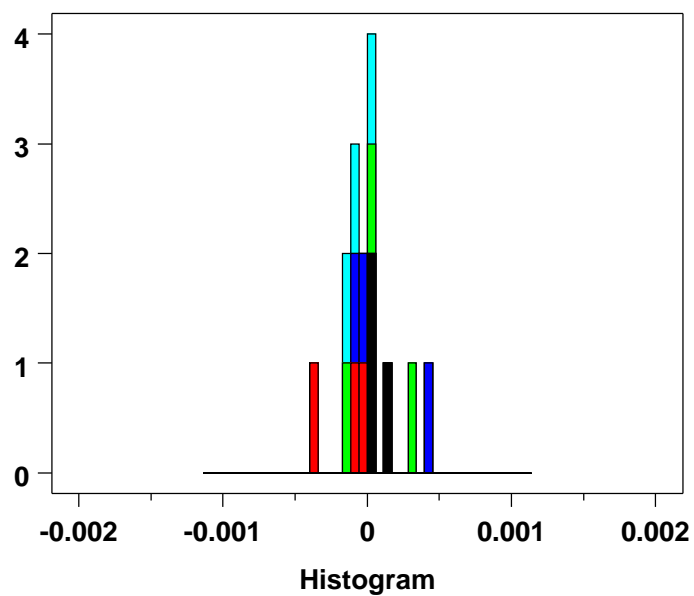
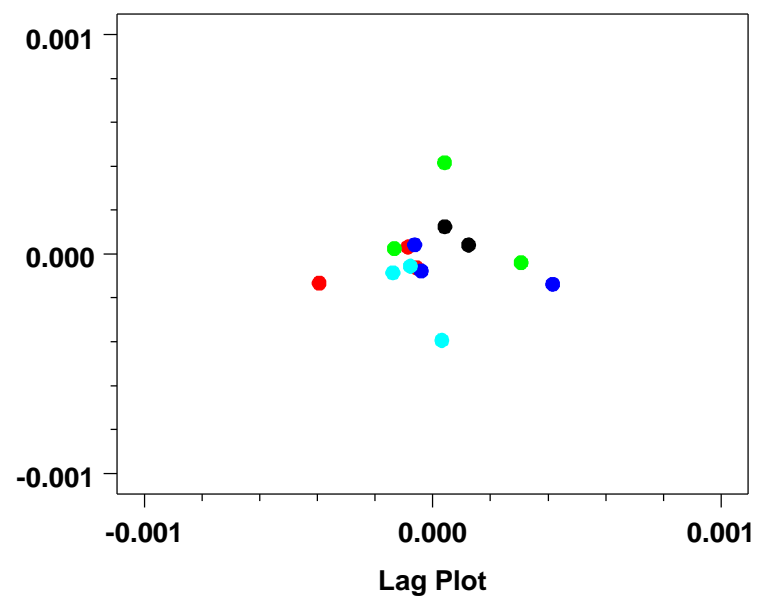
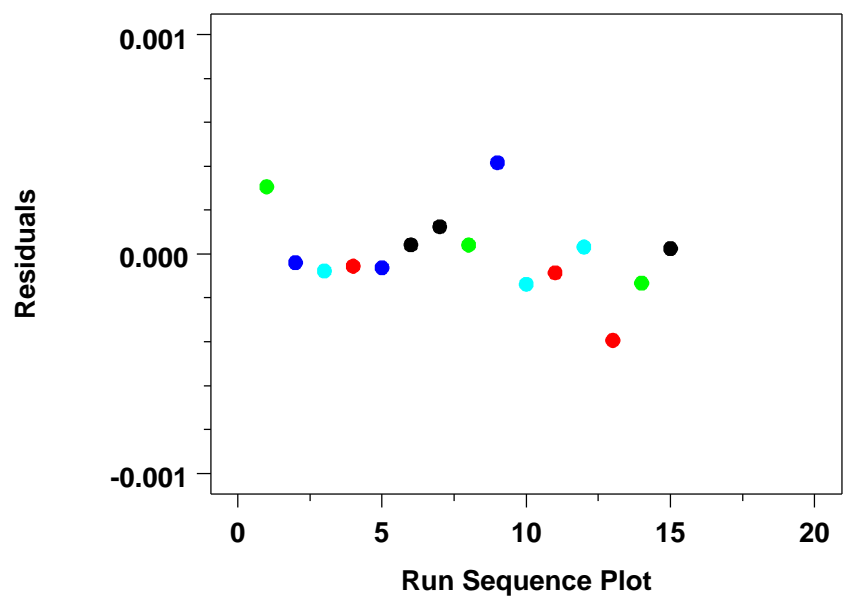


- - Temperature < 290
- - $290 < \text{Temperature} < 300$
- - $305 < \text{Temperature} < 315$
- - $320 < \text{Temperature} < 335$
- - Temperature > 335

1450c Dataset Model 5: Nuisance Factors Versus Residuals

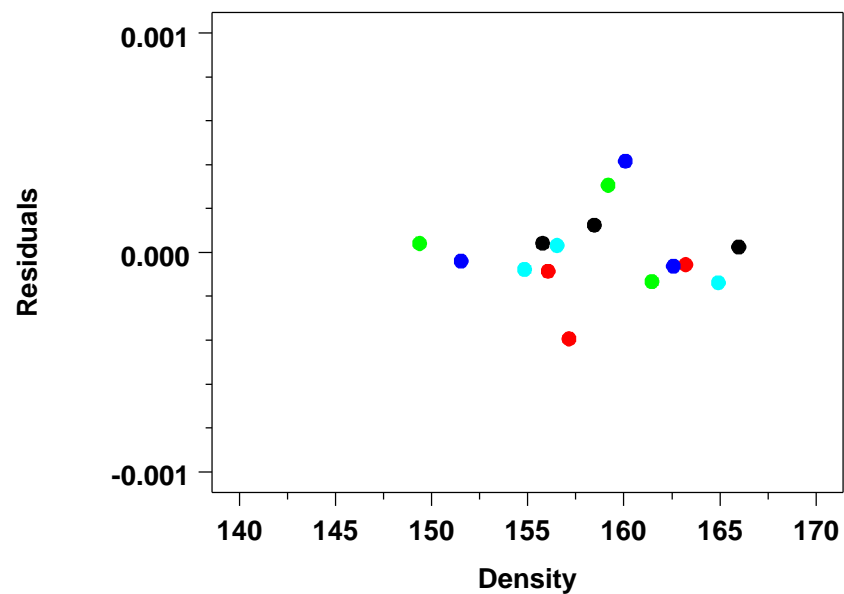
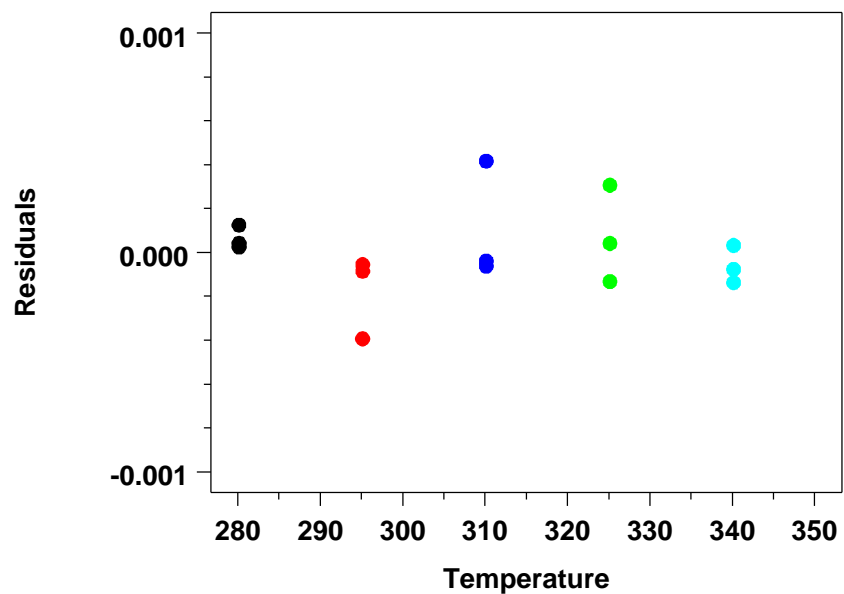
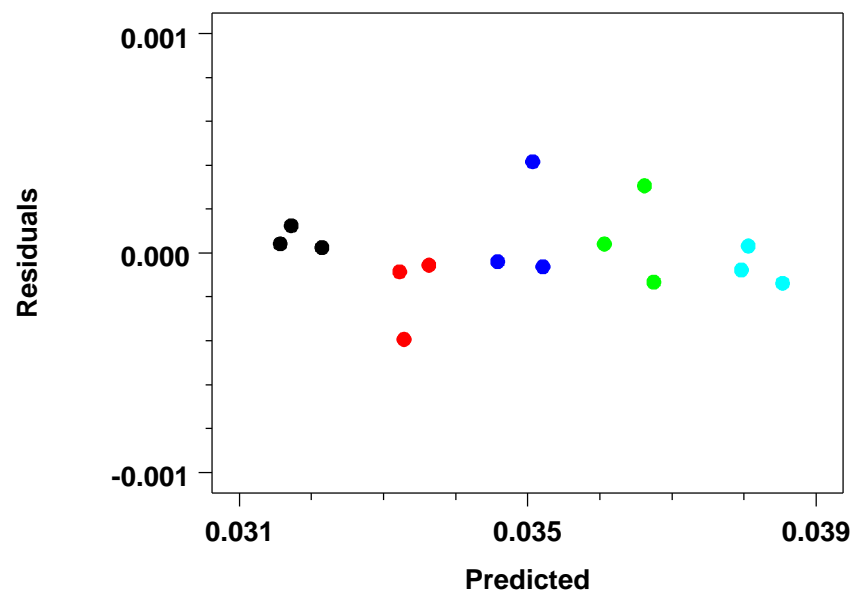
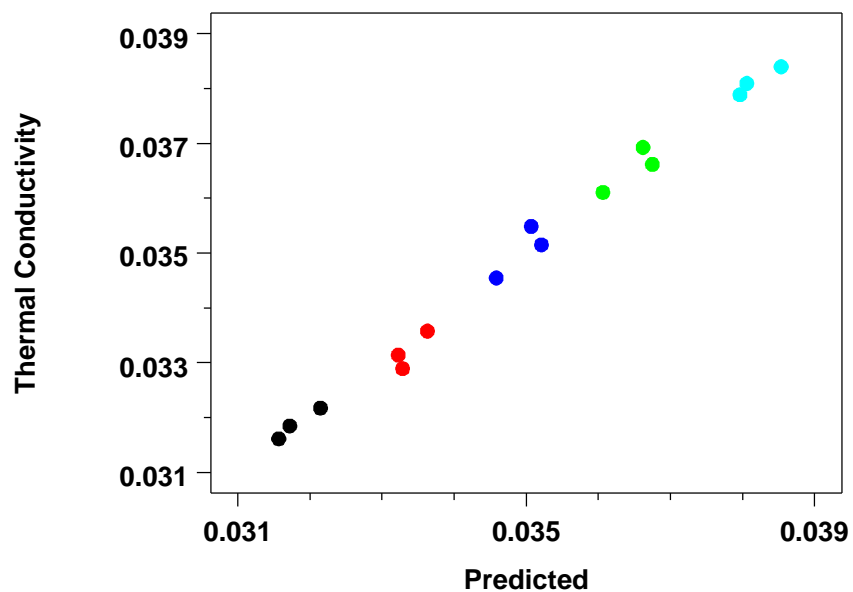


1450c Dataset Model 5: 4-Plot of the Residuals



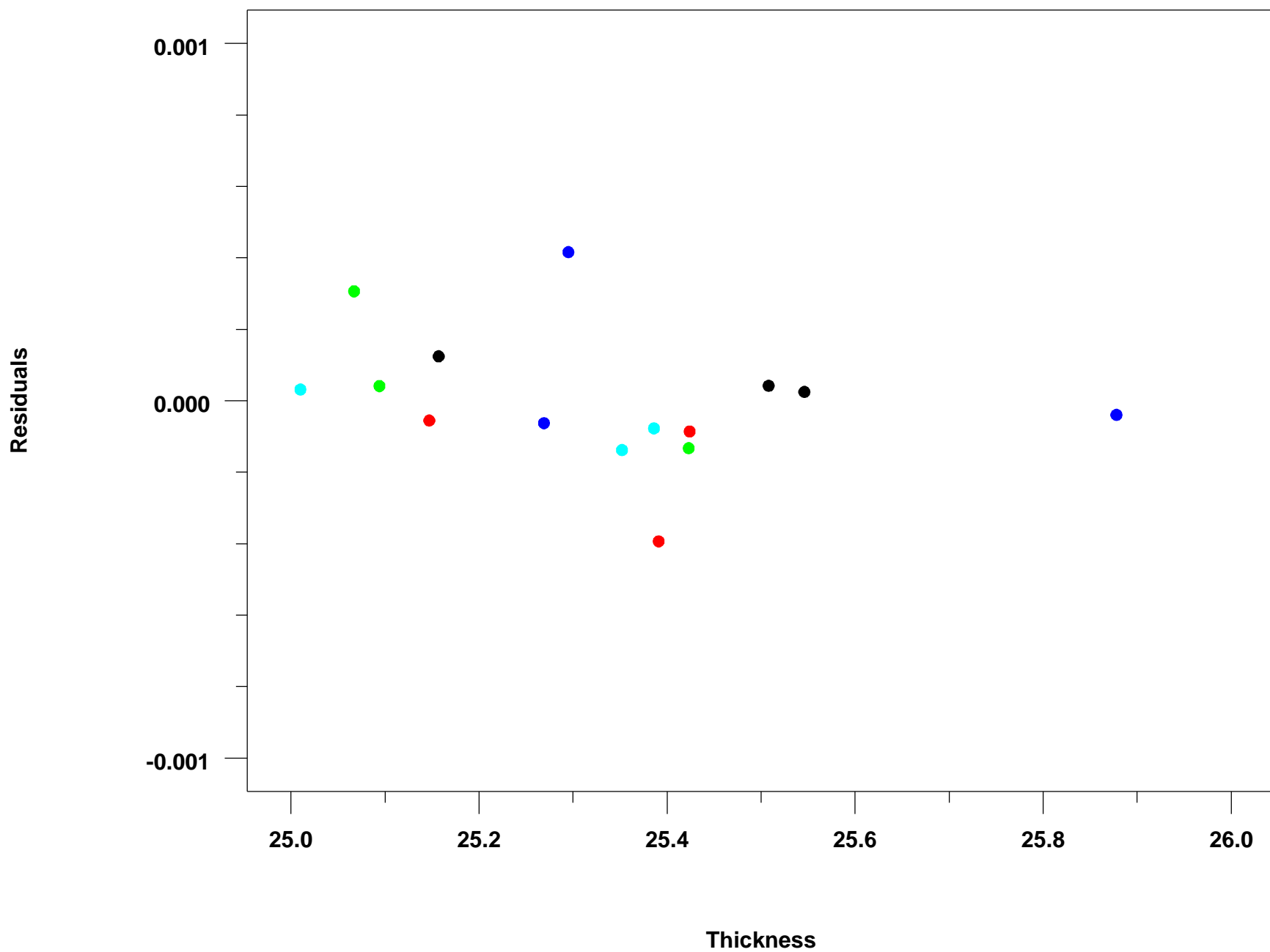
PPCC = 0.9478

1450c Dataset Model 5a: $k = -0.00721819 + 0.0001071658 \cdot t + 0.0000565313 \cdot d + 0.000619453 \cdot \text{EXP}(-((t-53.154514665)/10.915508763)^2)$ (RESSD: 0.0002134121, BIC: -237.3202638)

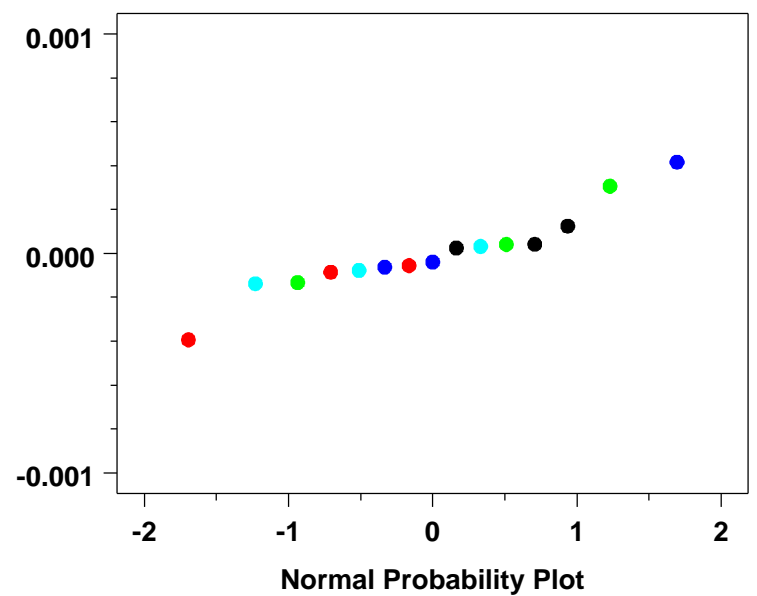
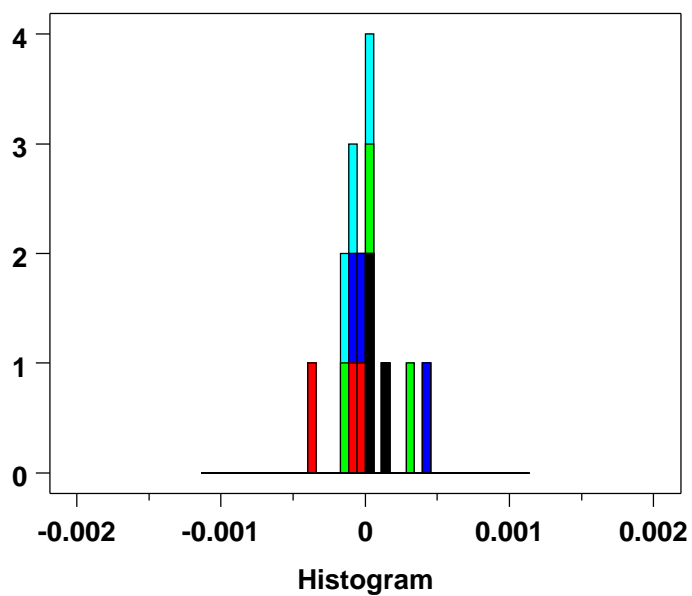
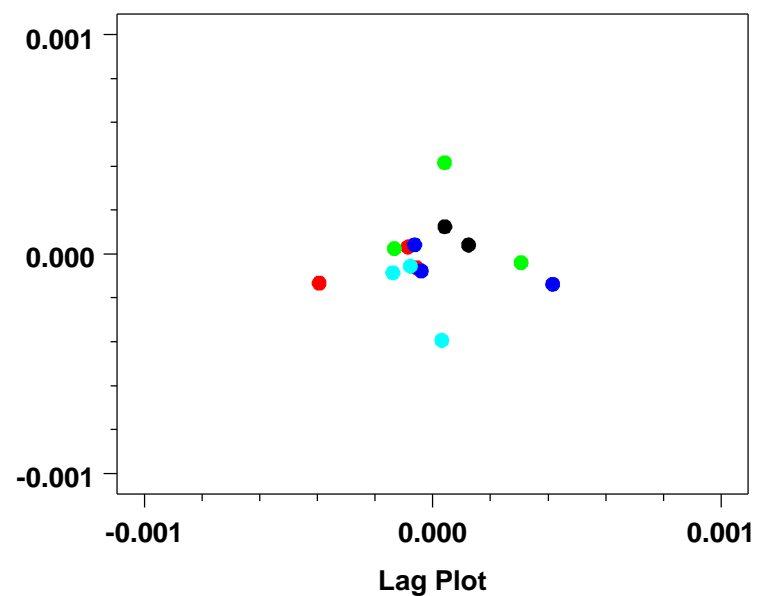
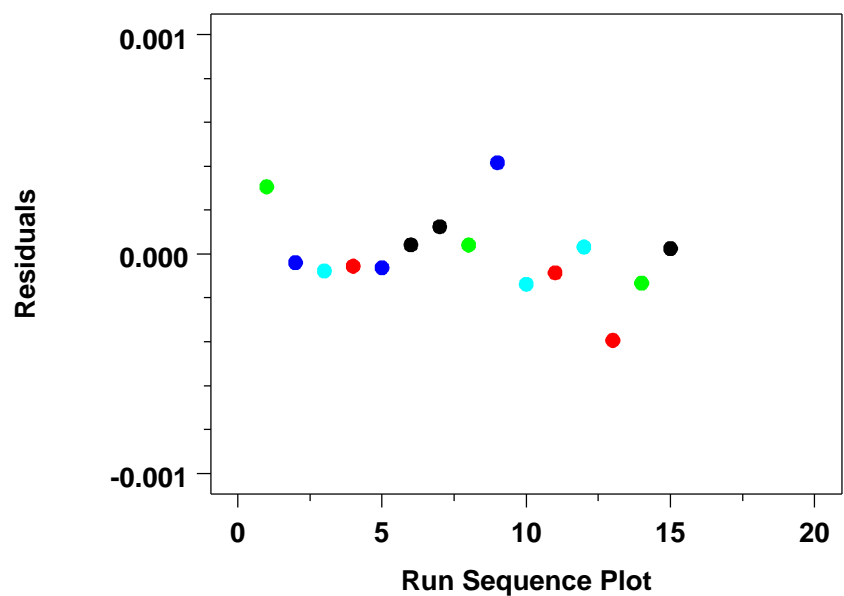


● - Temperature < 290 ● - 290 < Temperature < 300 ● - 305 < Temperature < 315
 ● - 320 < Temperature < 335 ● - Temperature > 335

1450c Dataset Model 5a: Nuisance Factors Versus Residuals



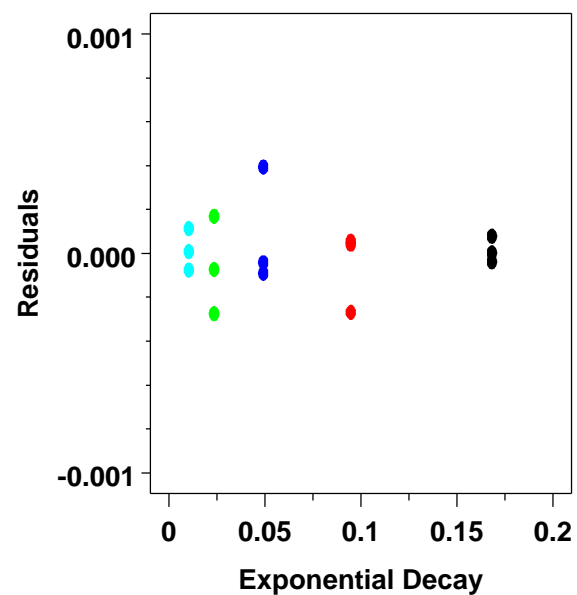
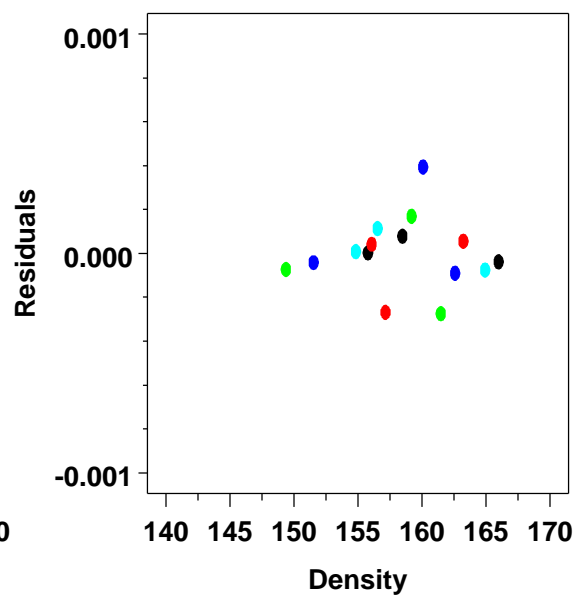
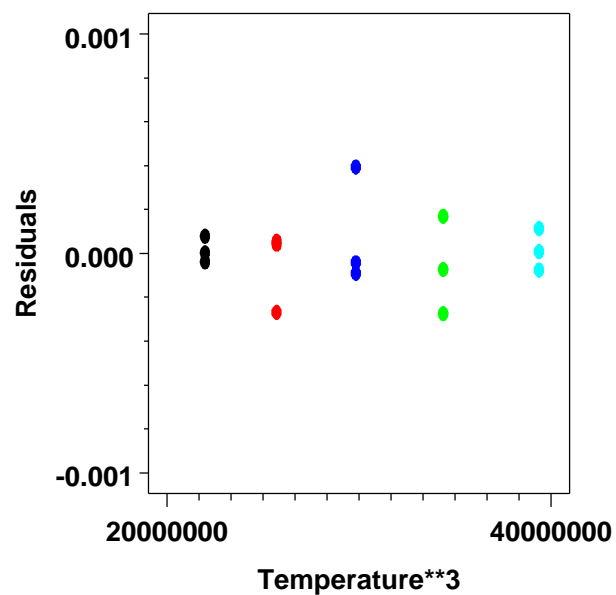
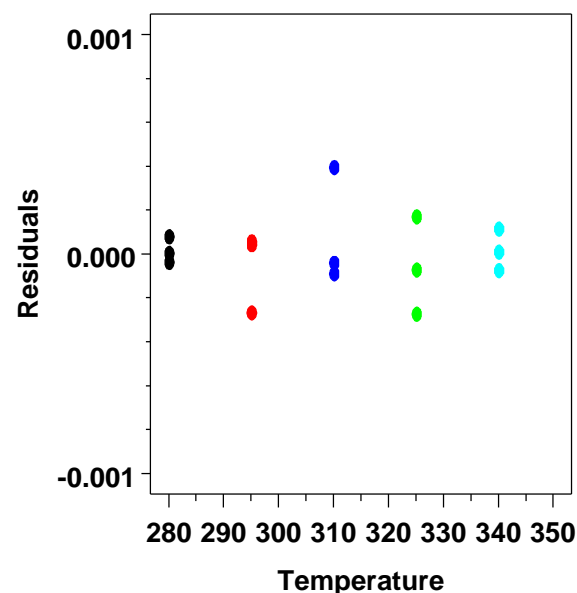
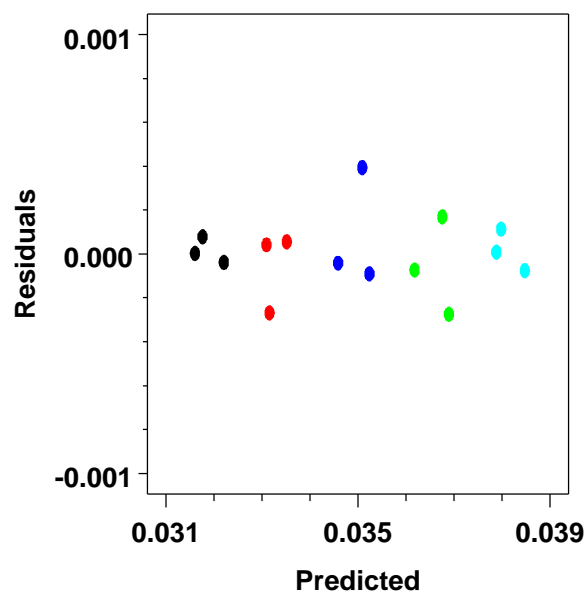
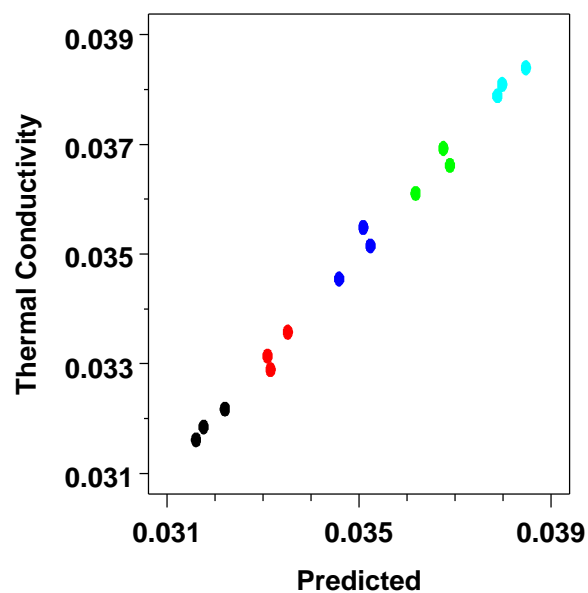
1450c Dataset Model 5a: 4-Plot of the Residuals



PPCC = 0.9478

1450c Dataset Model 6: $k = 0.0349614333 + 0.0001056247 \cdot t + 0.0000562506 \cdot d + 0 \cdot t^{**3} + 0.0355754594 \cdot e1$

RESSD: 0.0001944302, BIC: -242.8228686



● - Temperature < 290

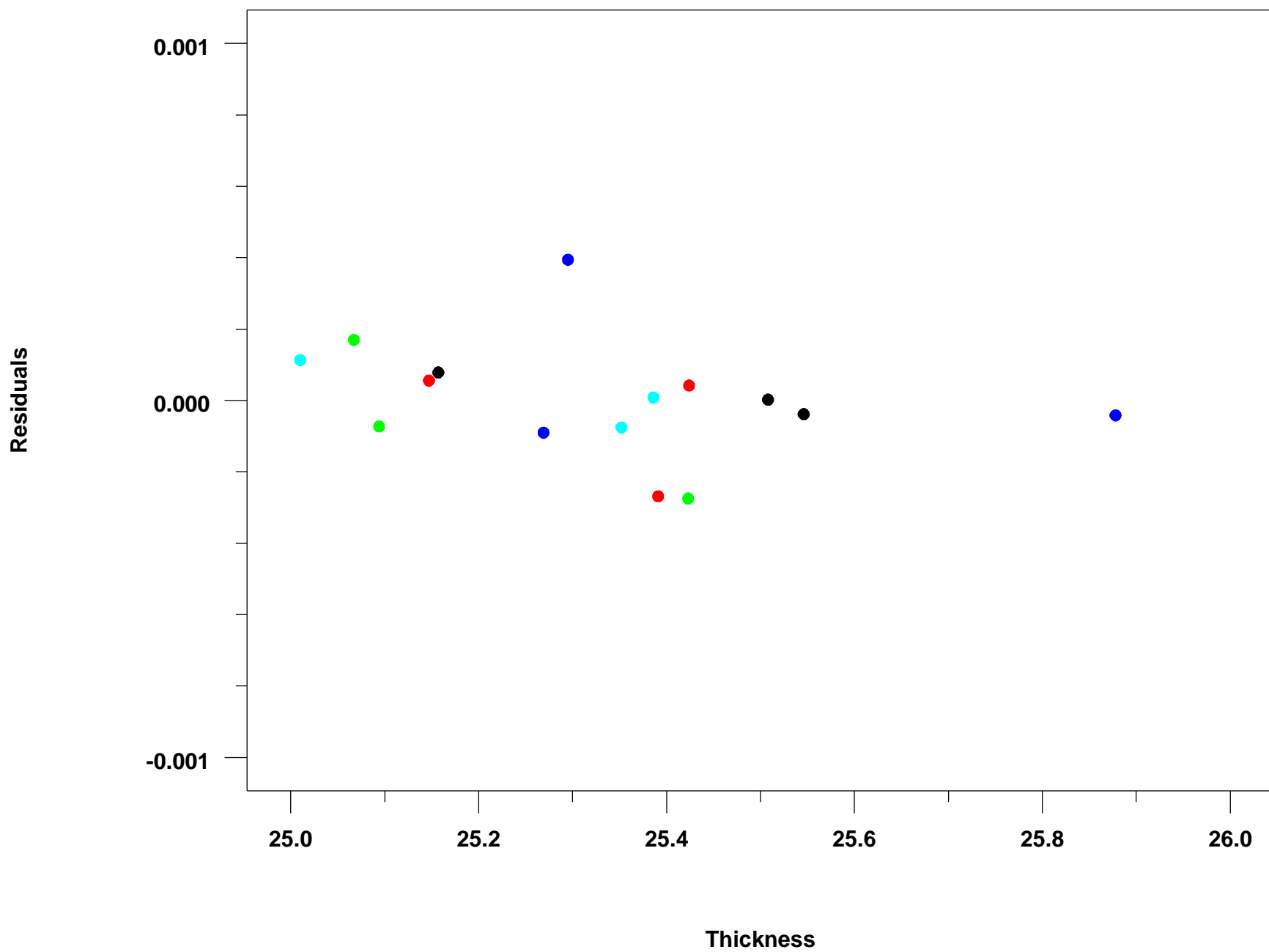
● - 290 < Temperature < 300

● - 305 < Temperature < 315

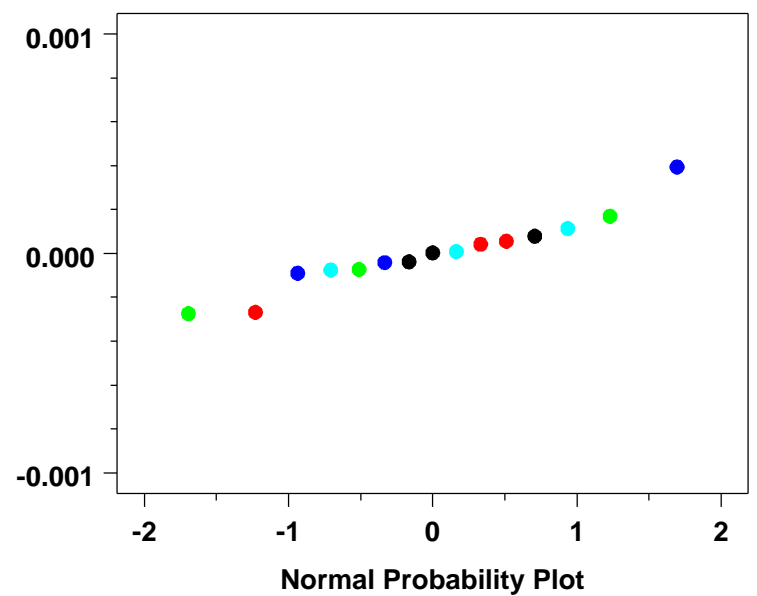
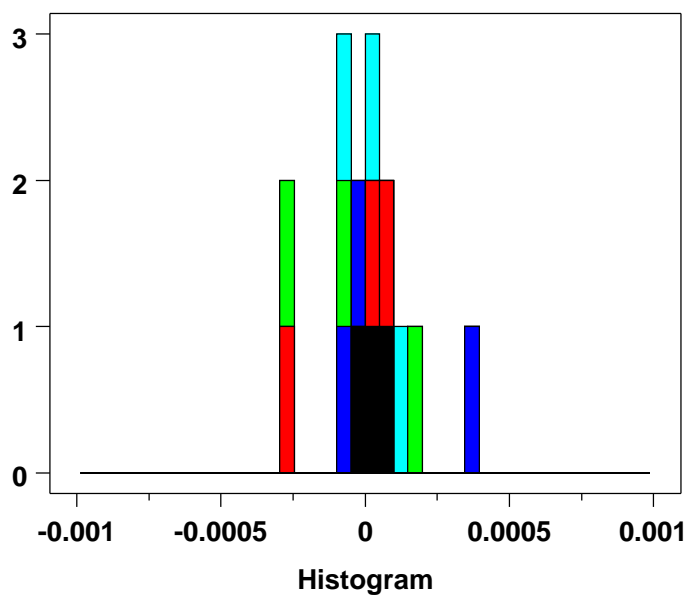
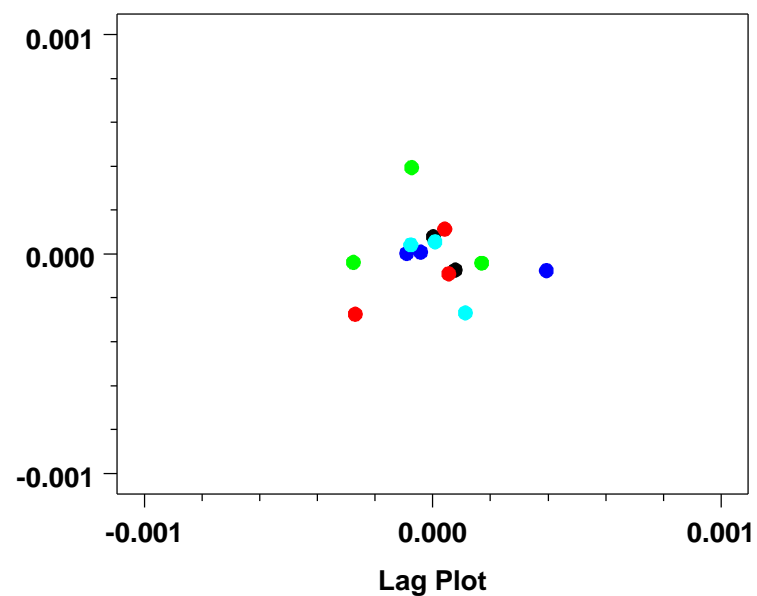
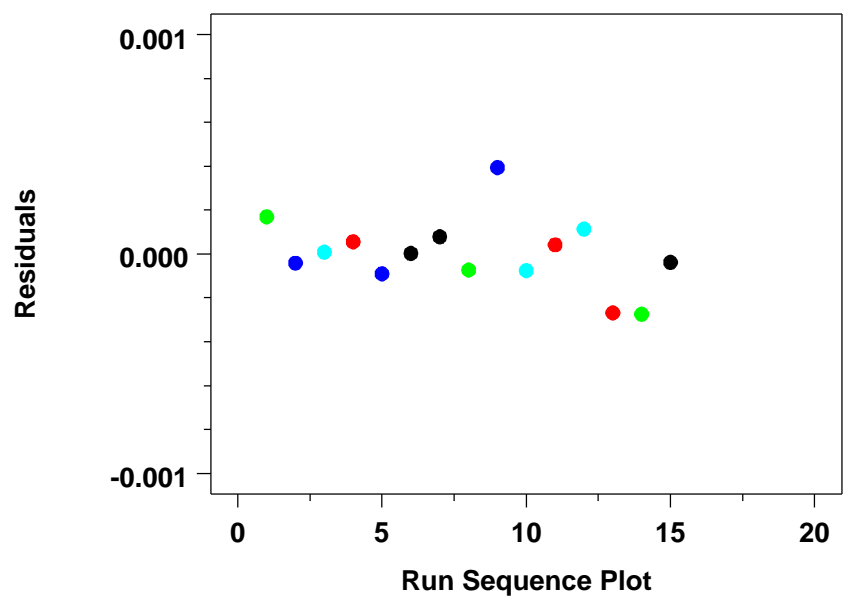
● - 320 < Temperature < 335

● - Temperature > 335

1450c Dataset Model 6: Nuisance Factors Versus Residuals

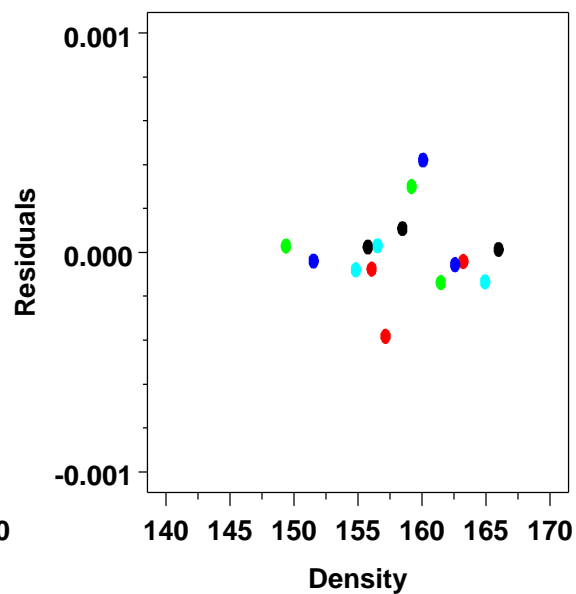
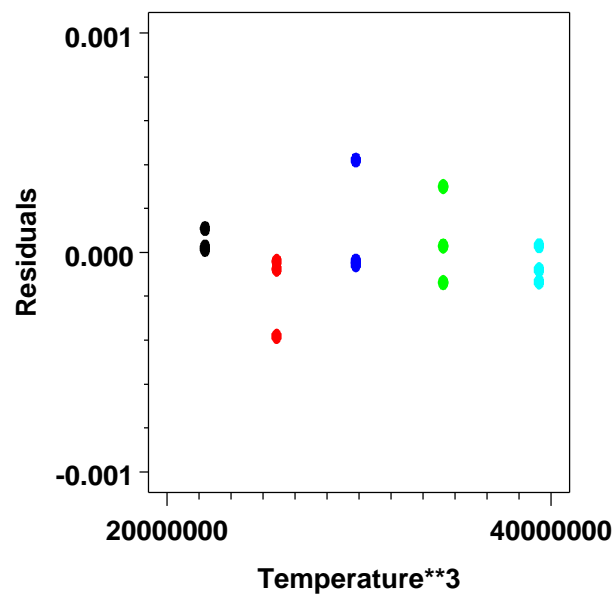
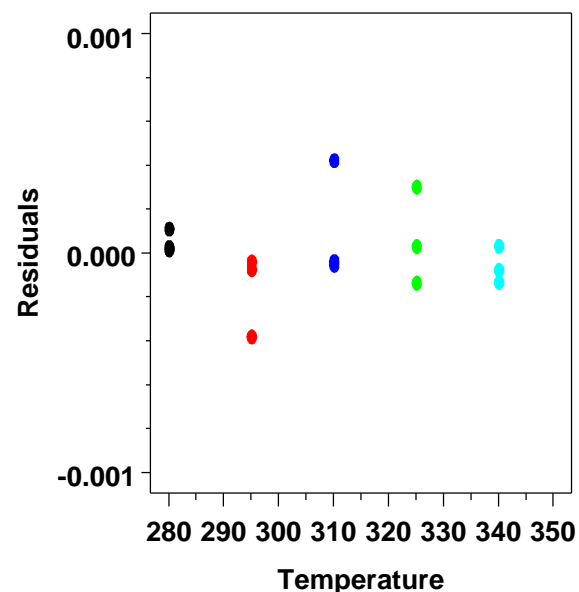
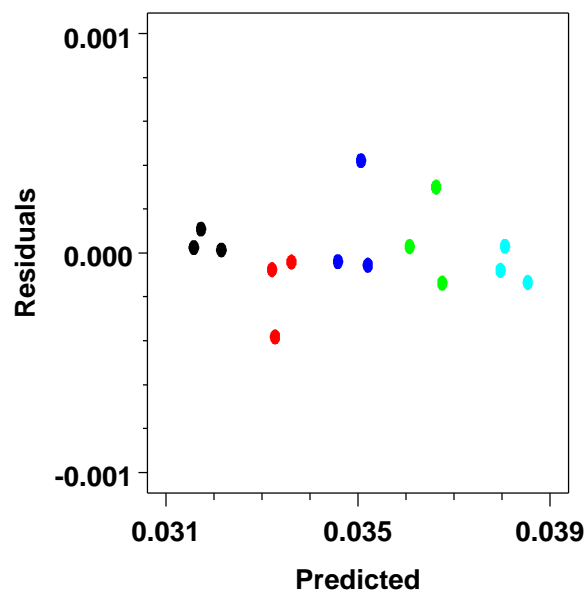
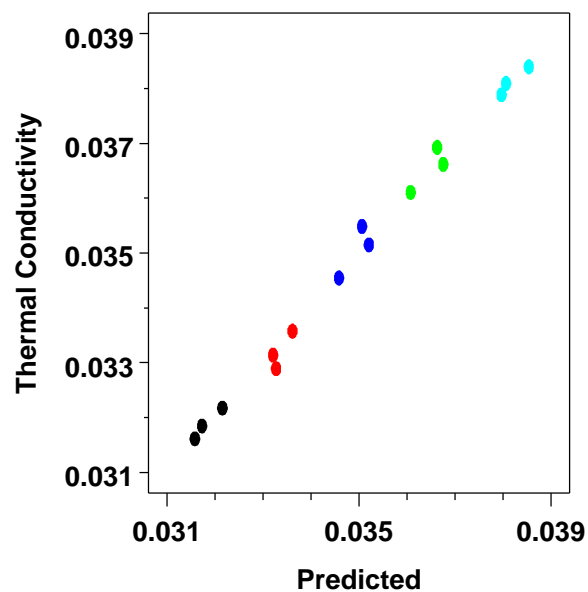


1450c Dataset Model 6: 4-Plot of the Residuals



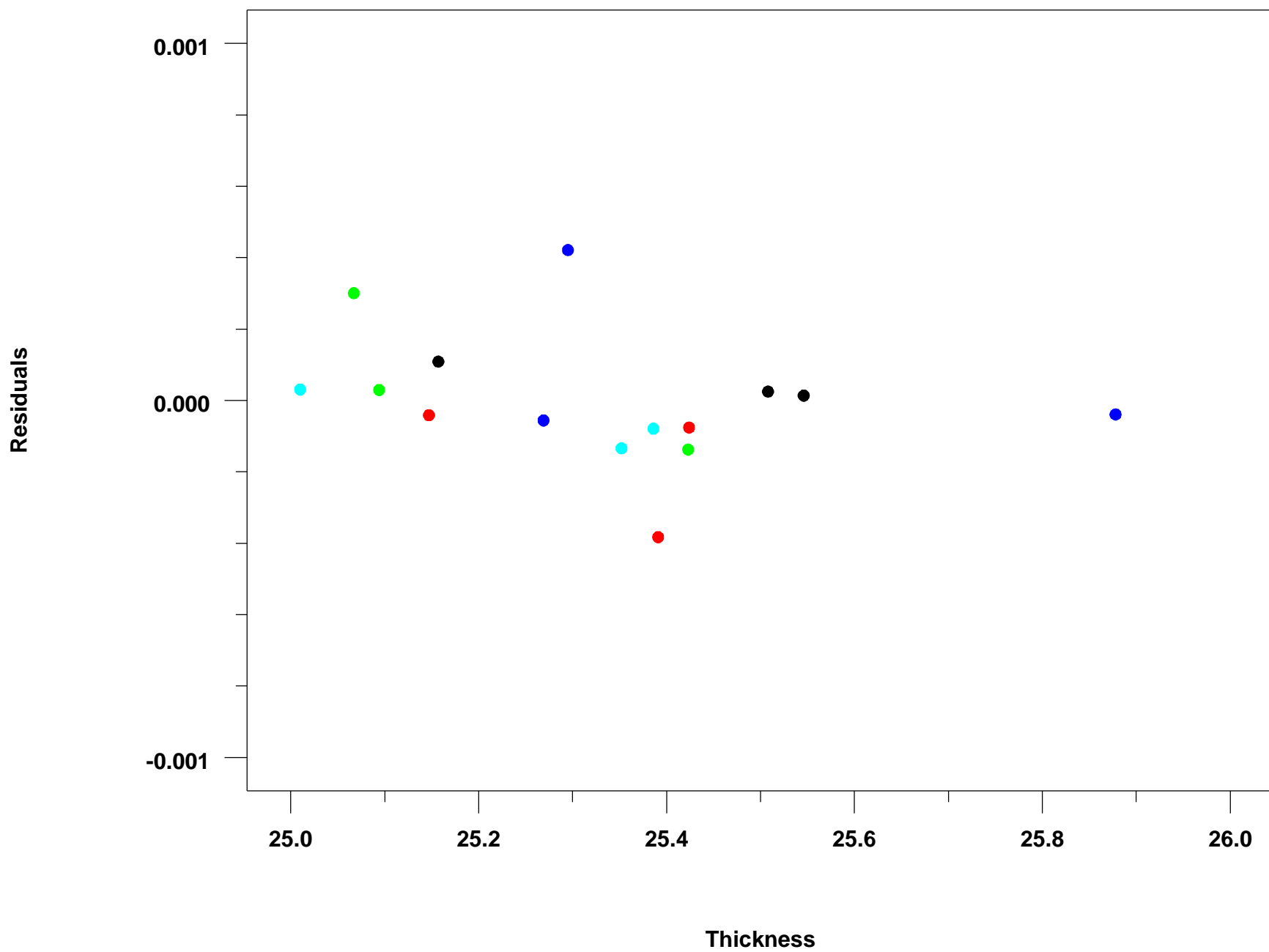
PPCC = 0.9606

1450c Dataset Model 6a: $k = -0.013404735 + 0.0001358163 \cdot t + 0.0000561144 \cdot d + 0 \cdot t^{**3} + 0.0035688539 \cdot \text{EXP}(-((t-157.13249726)/70.300613415)^{**2})$ (RESSD: 0.0002459722, BIC: -230.3524063)

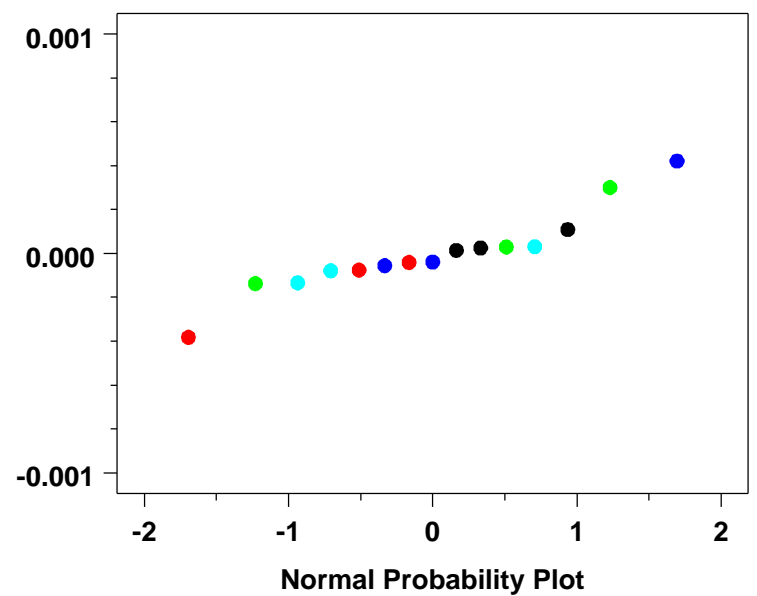
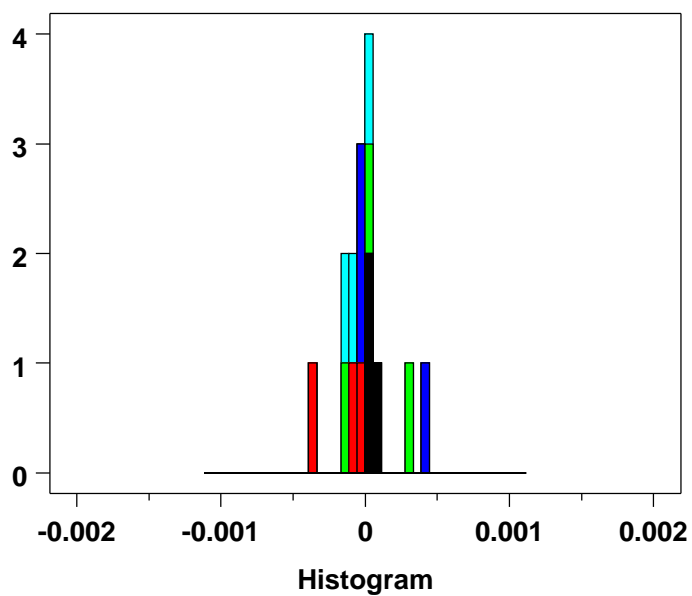
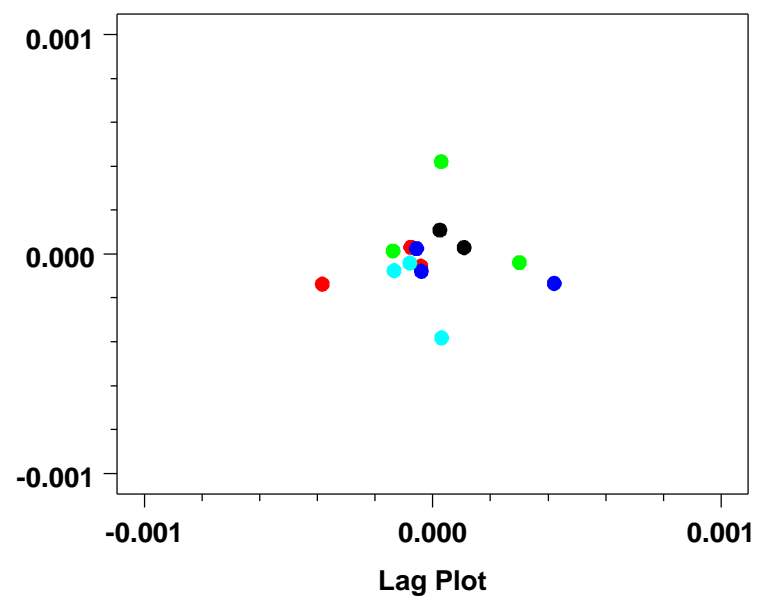
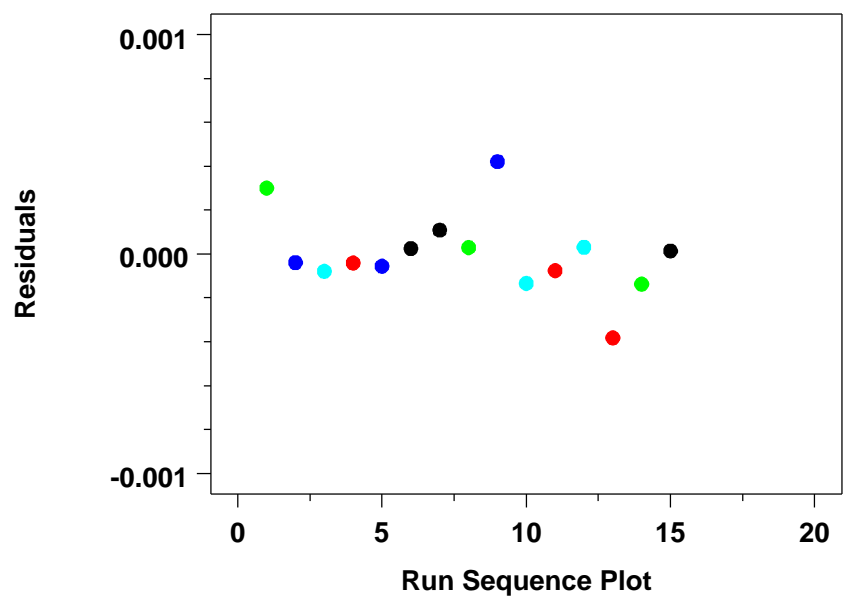


- - Temperature < 290
- - 290 < Temperature < 300
- - 305 < Temperature < 315
- - 320 < Temperature < 335
- - Temperature > 335

1450c Dataset Model 6b: Nuisance Factors Versus Residuals

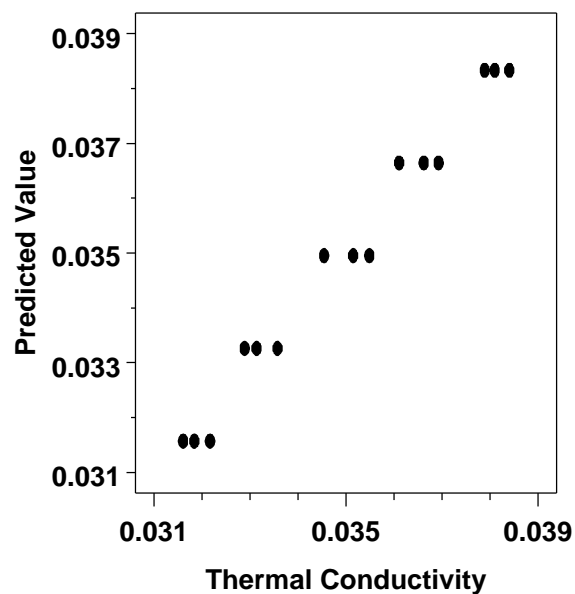


1450c Dataset Model 6a: 4-Plot of the Residuals

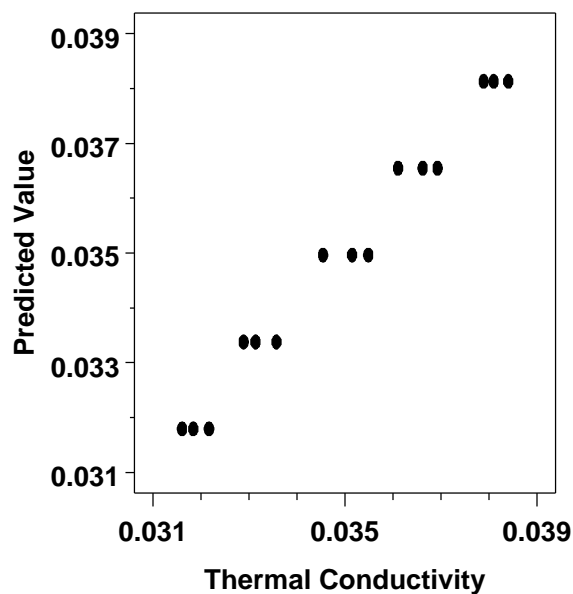


PPCC = 0.9403

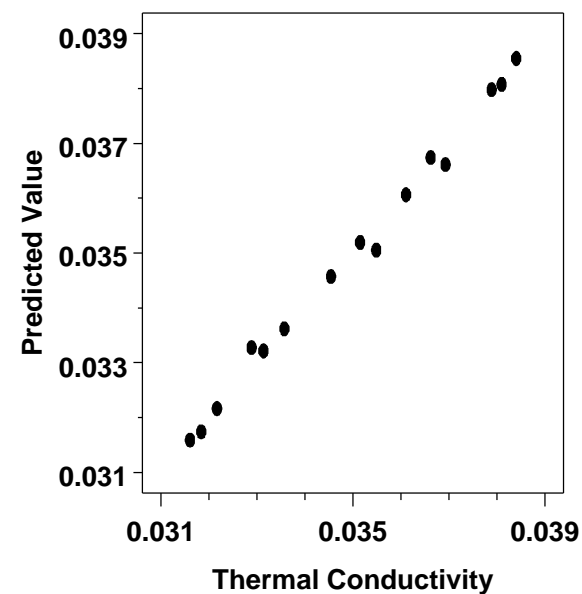
Model: $k = a_0 + a_1 \cdot t$



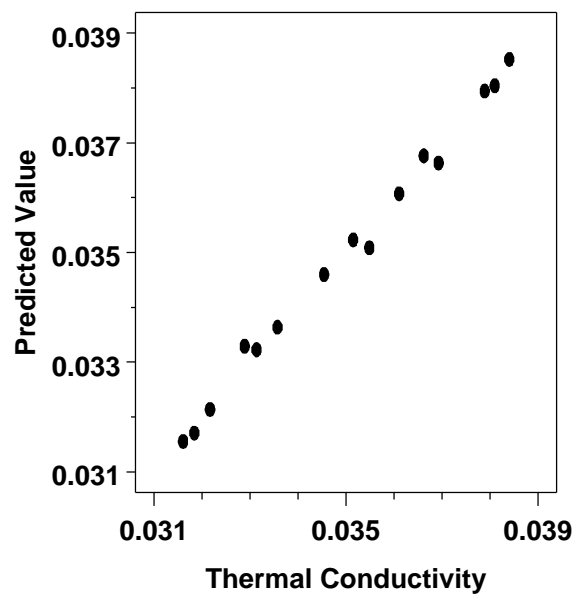
Model: $k = a_1 \cdot t$



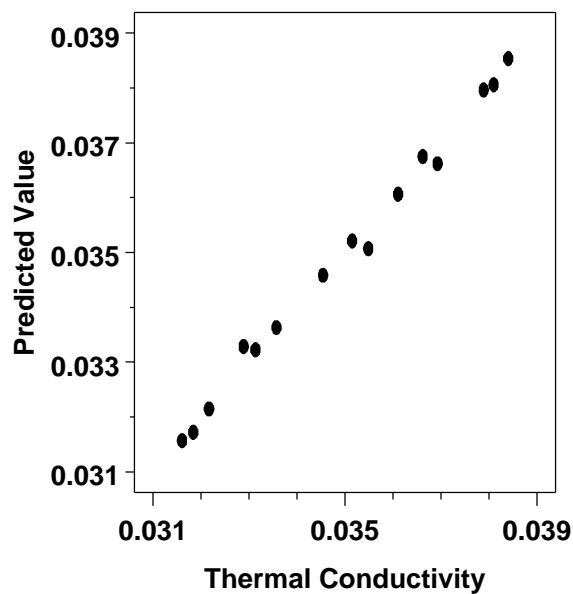
Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d$



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



Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d + a_3 \cdot e_1$



Model: $k = a_0 + a_1 \cdot t + a_2 \cdot d + a_3 \cdot t^{**3} + a_4 \cdot e_1$

