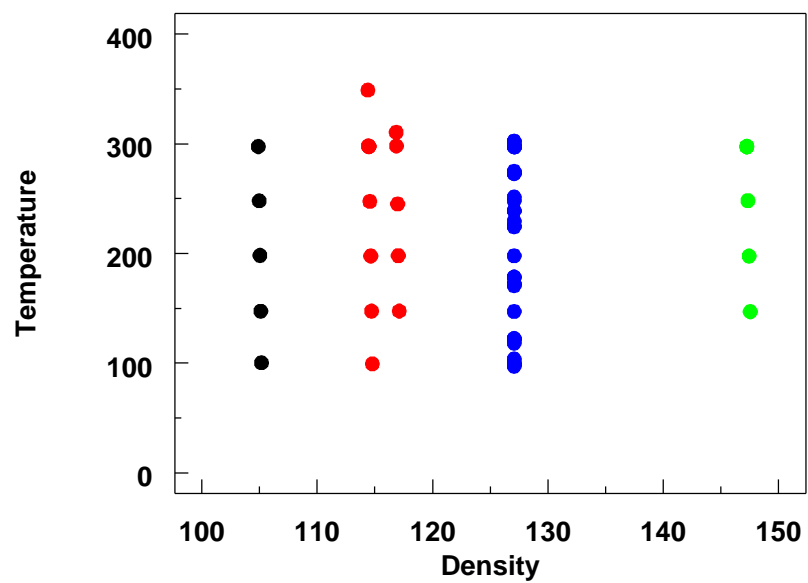
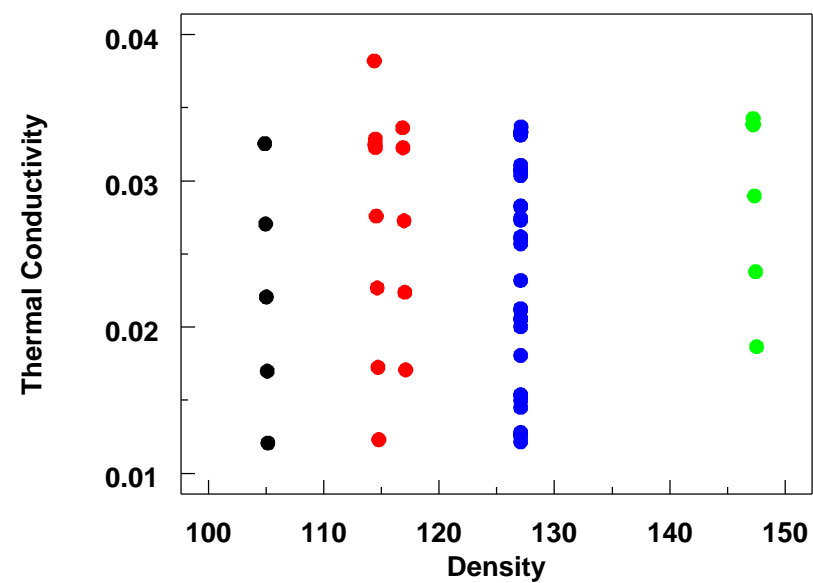
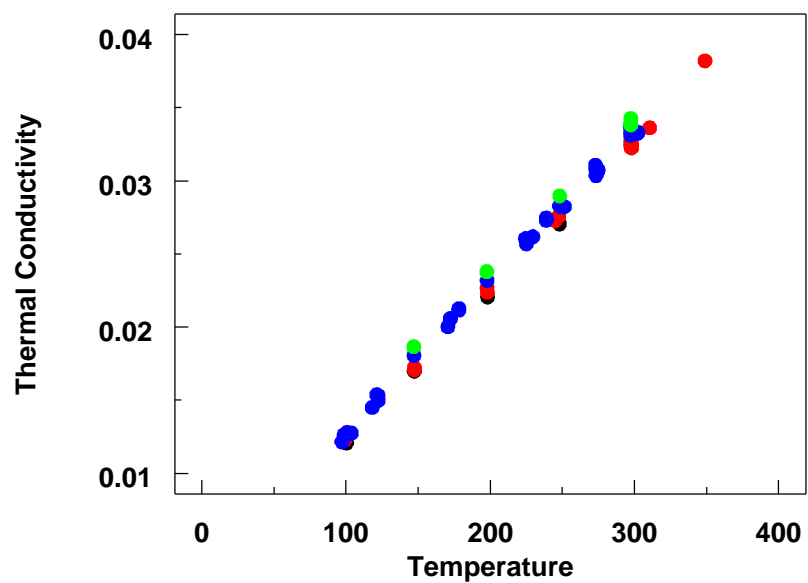
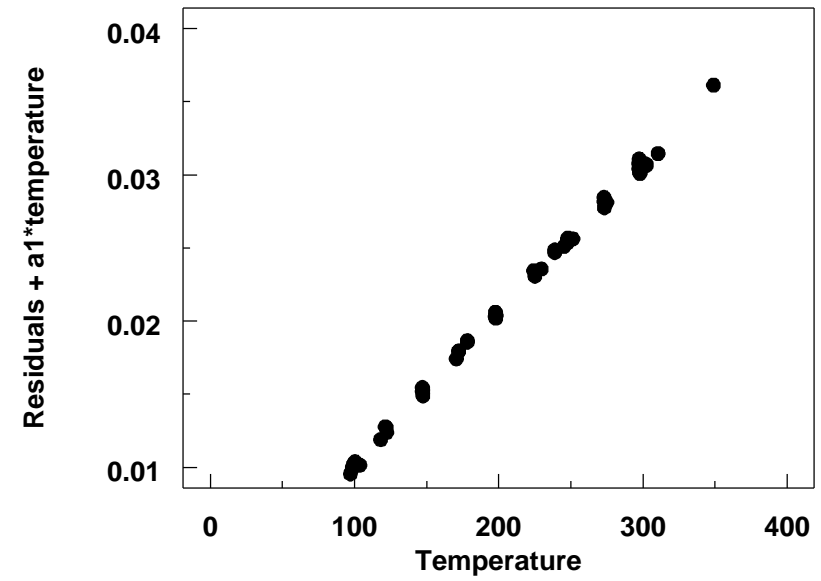
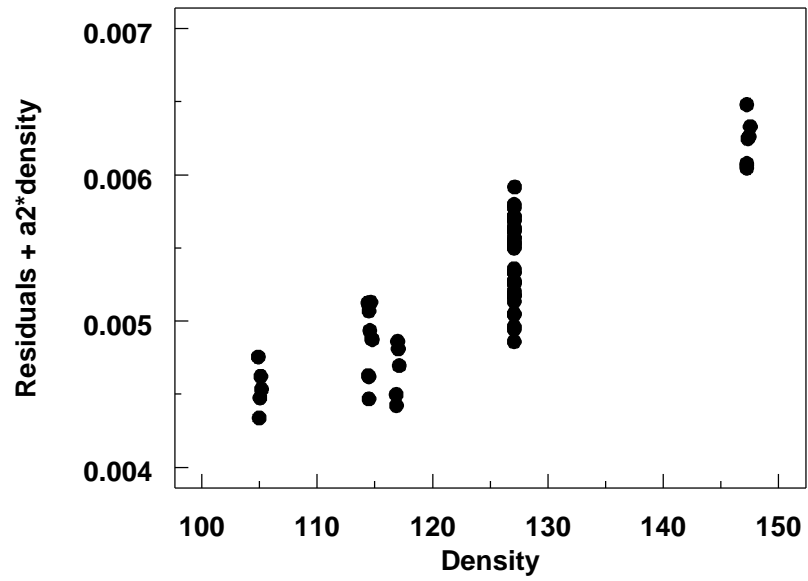


Dataset 1958 Boulder: Raw Data



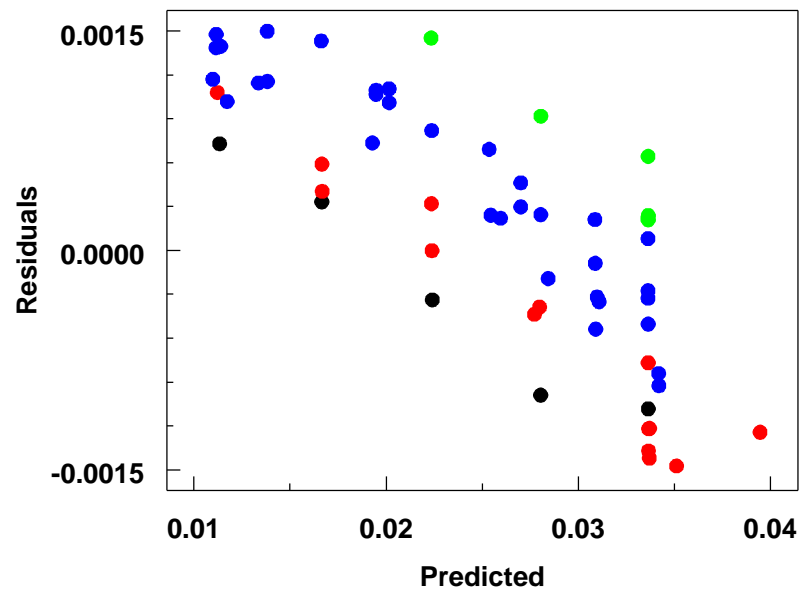
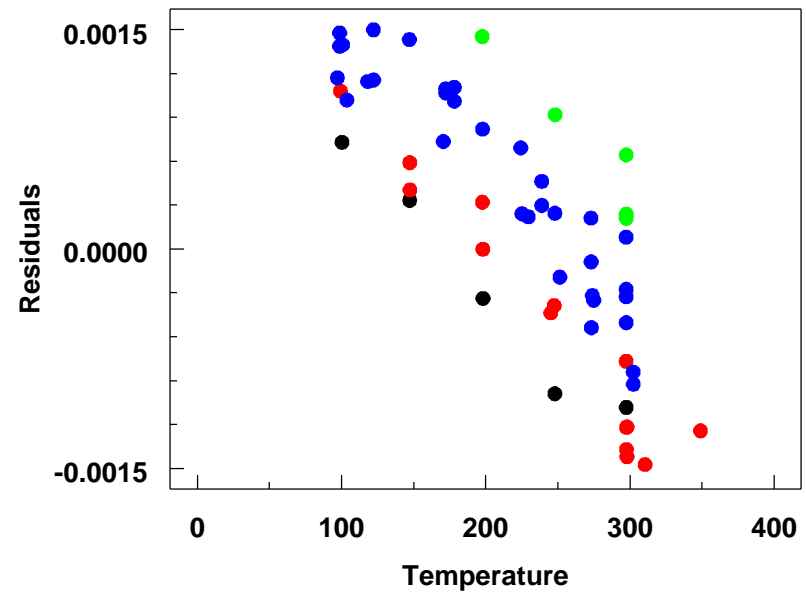
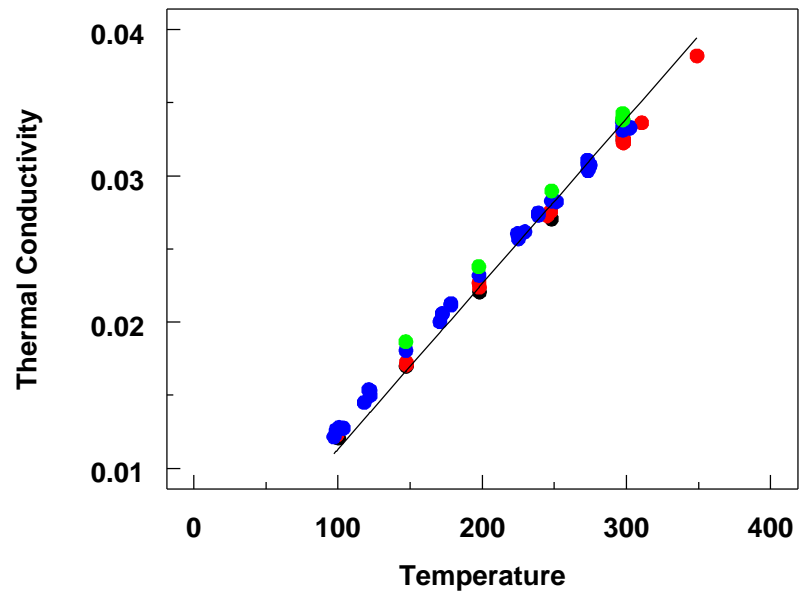
- - Density < 110
- - 110 < Density < 120
- - 120 < Density < 140
- - Density > 140

Dataset 1958 Boulder: Partial Residual Plots



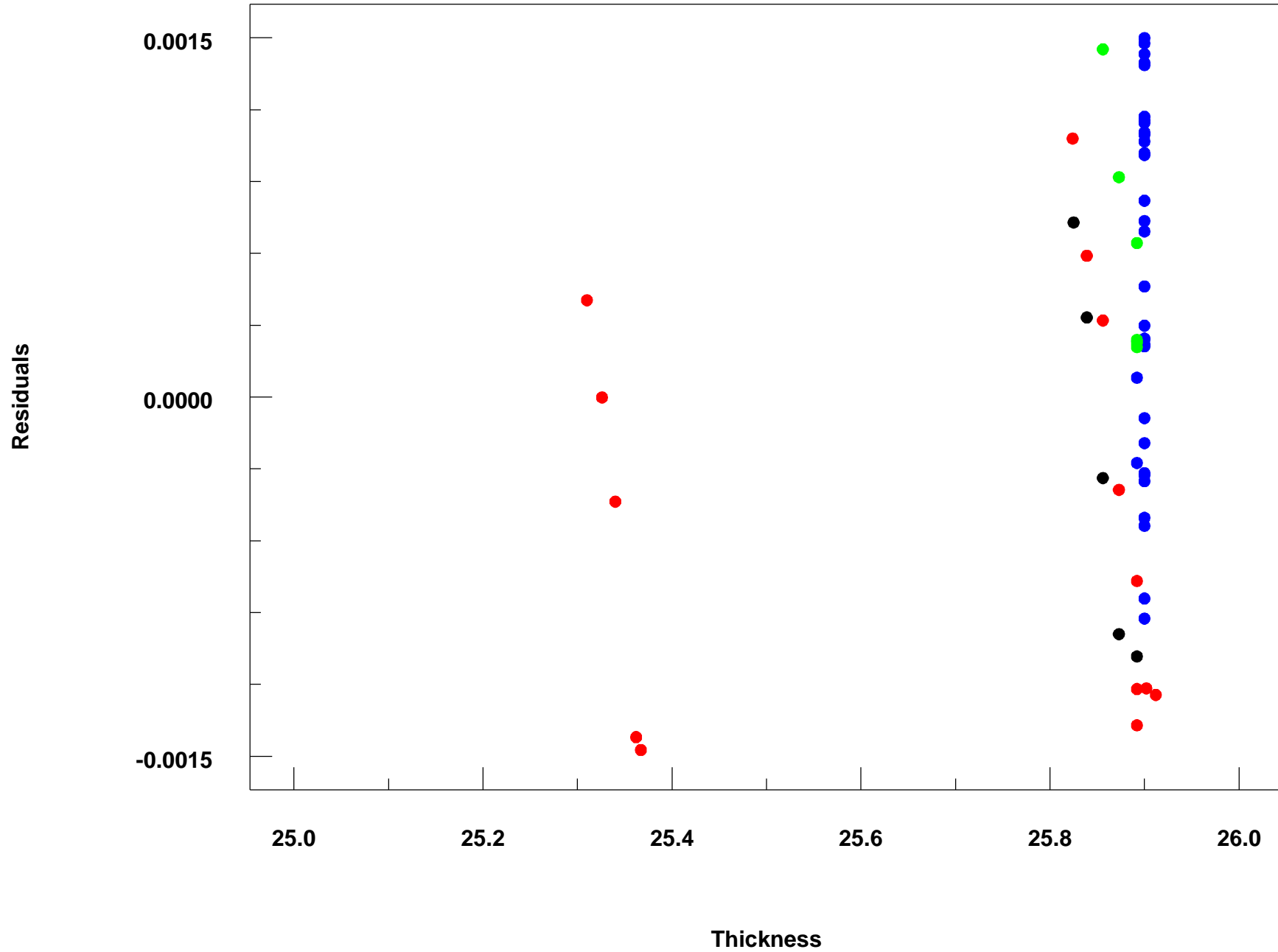
1958 Boulder Dataset Model 1: $k = 0.0001130626 \cdot t$

RESSD: 0.0009336657, BIC: -838.3143115

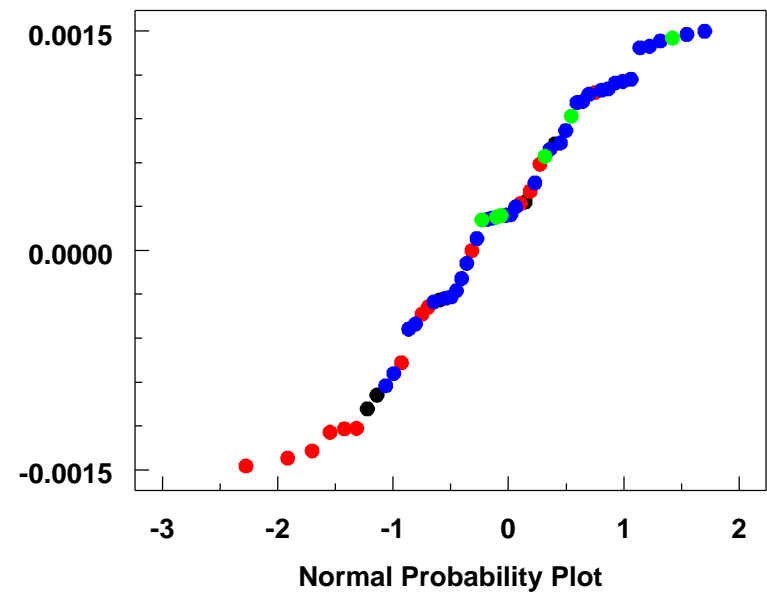
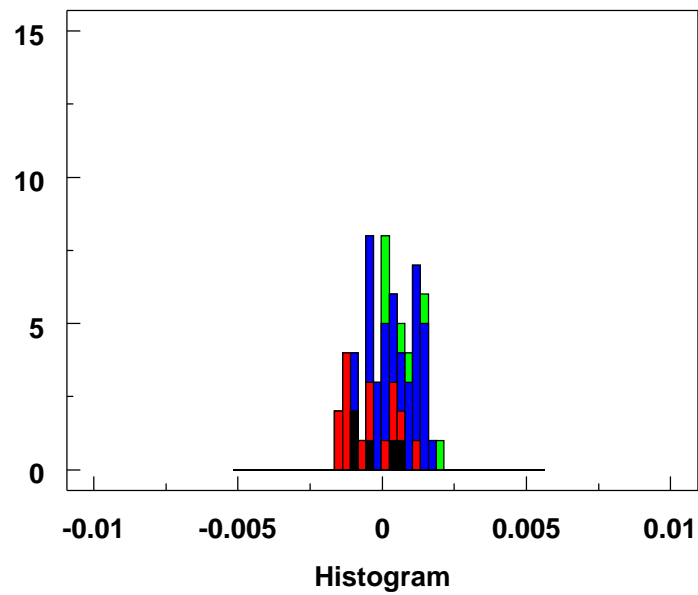
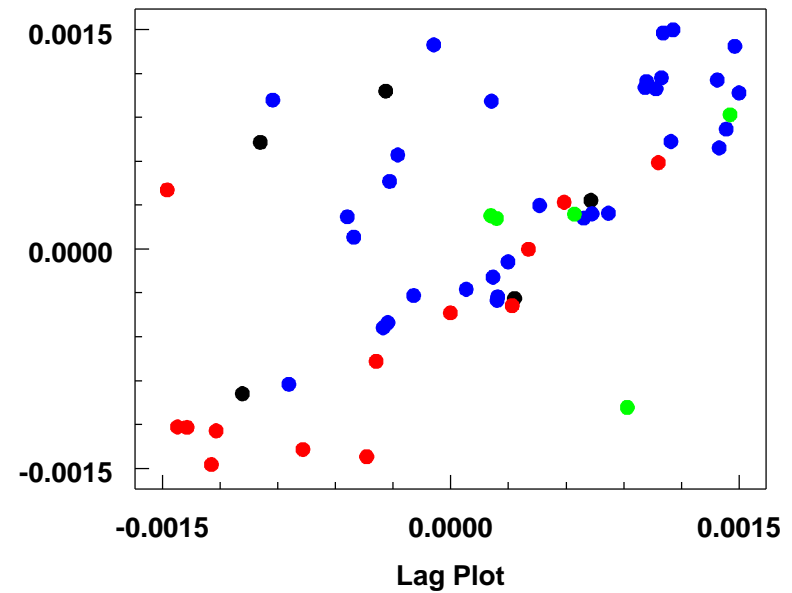
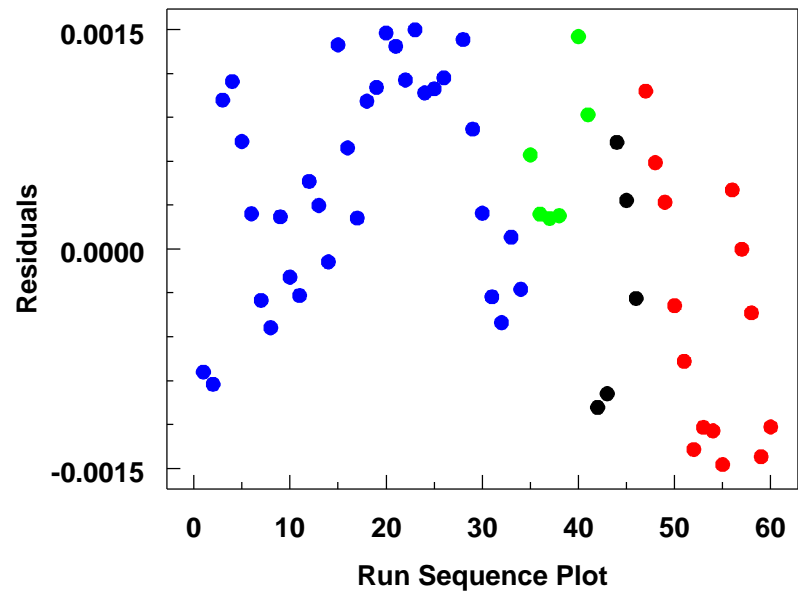


- - Density < 110
- - 110 < Density < 120
- - 120 < Density < 140
- - Density > 140

1958 Boulder Dataset Model 1: Nuisance Factors Versus Residuals



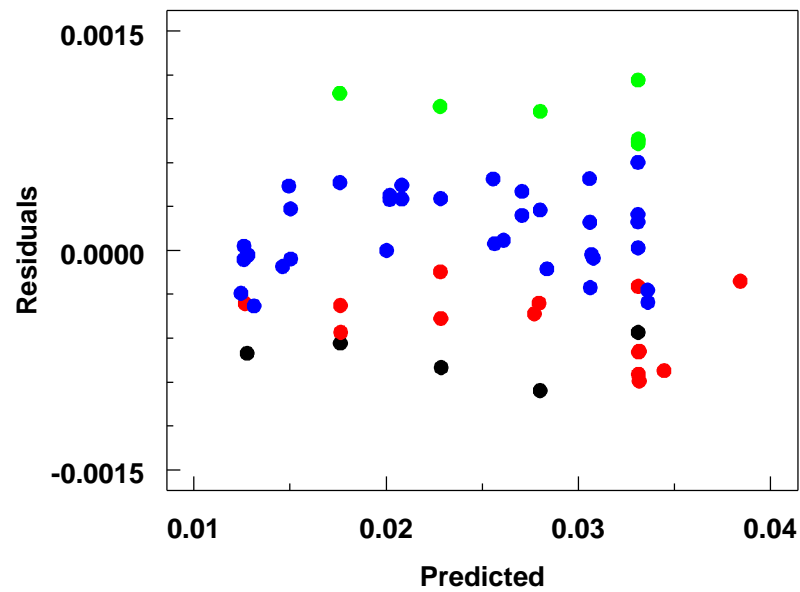
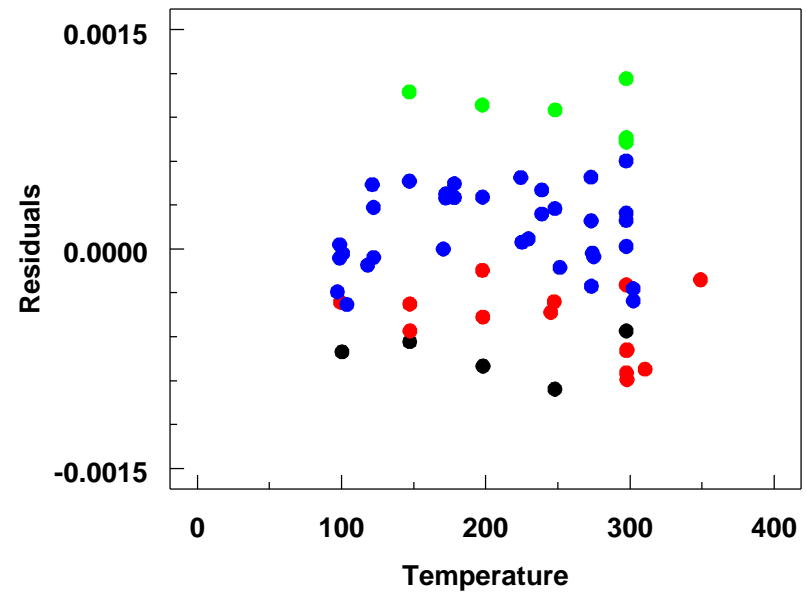
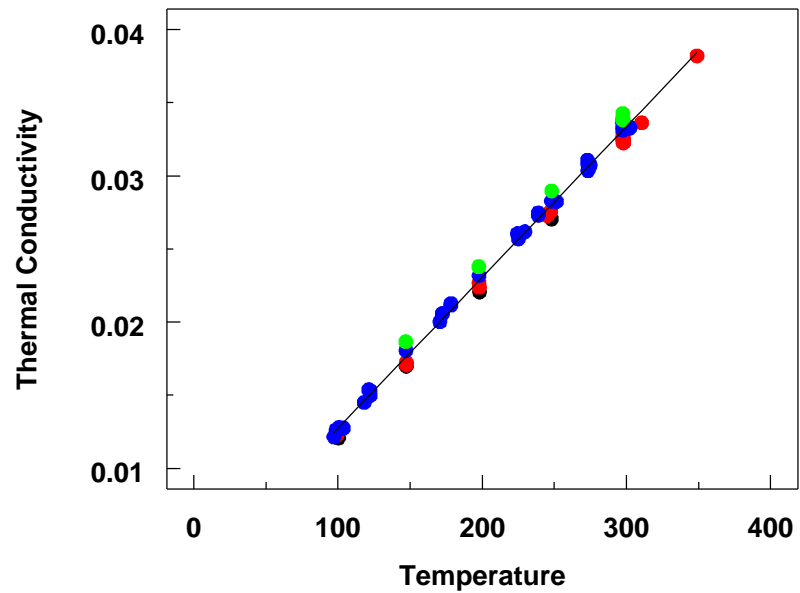
1958 Boulder Dataset Model 1: 4-Plot of the Residuals



PPCC = 0.9881

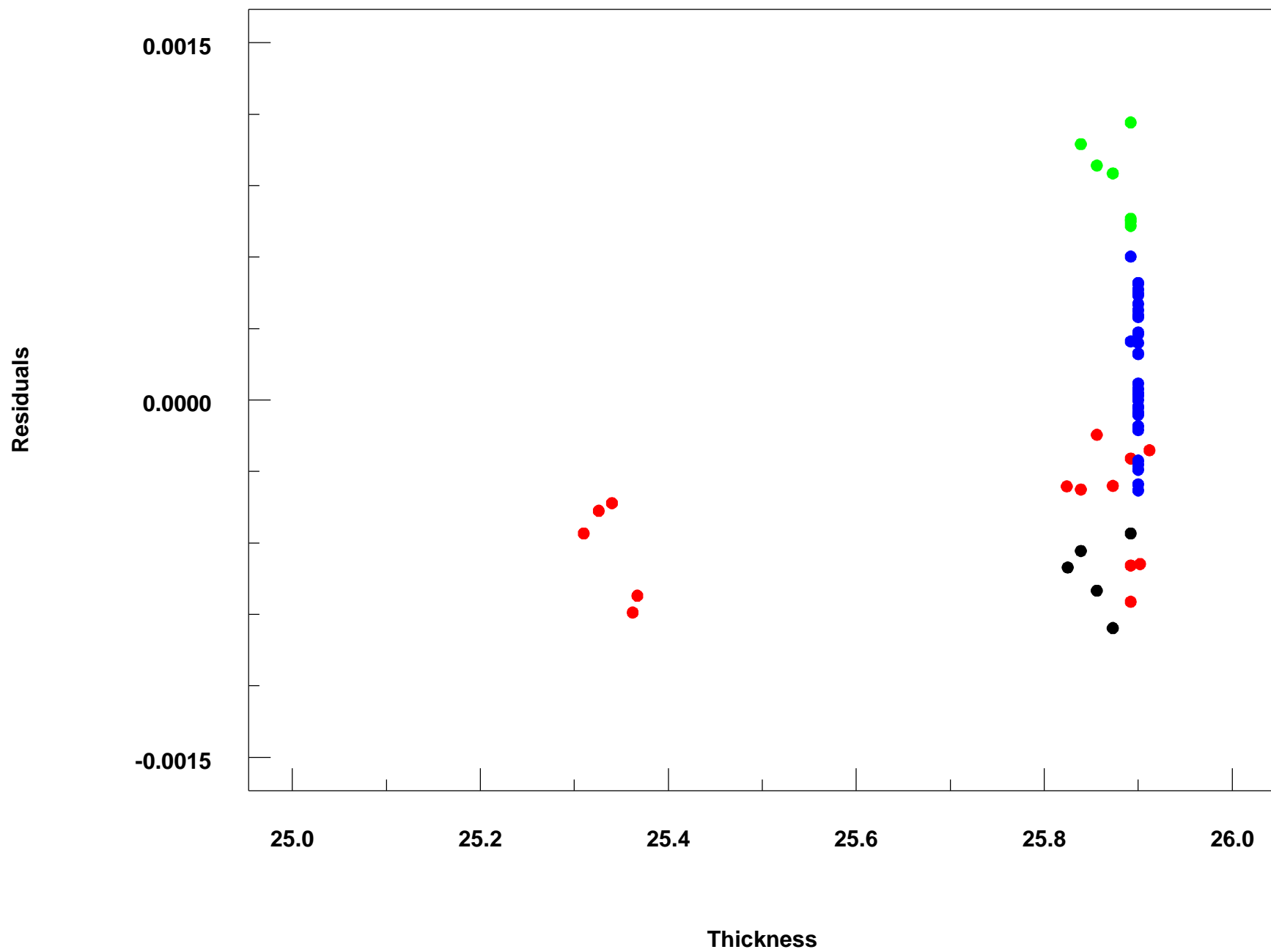
1958 Boulder Dataset Model 2: $k = 0.002426782 + 0.0001031465 \cdot t$

RESSD: 0.0005292553, BIC: -899.1301617

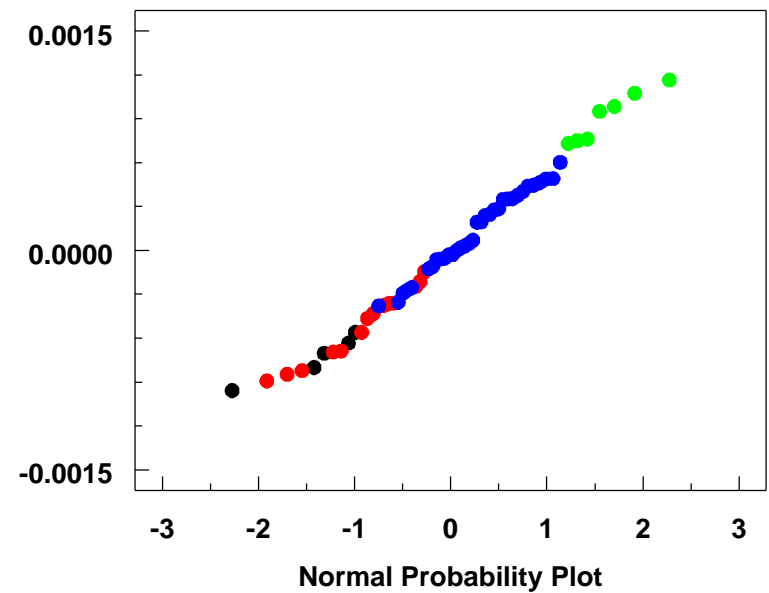
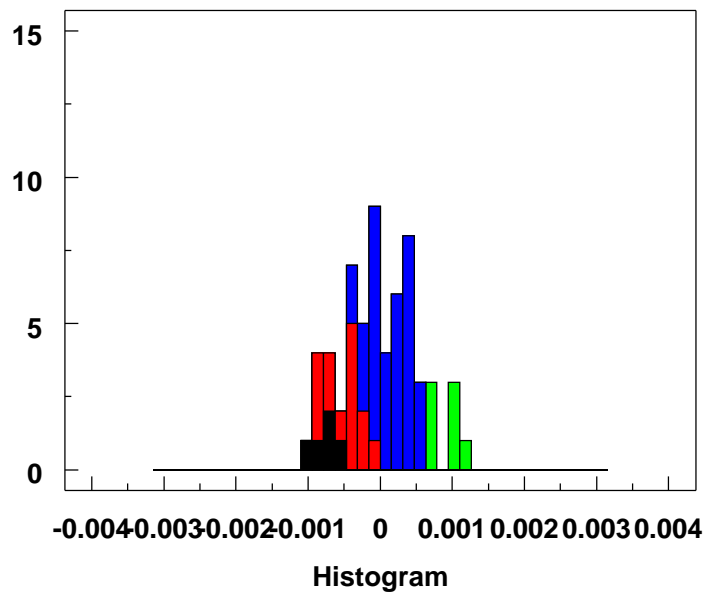
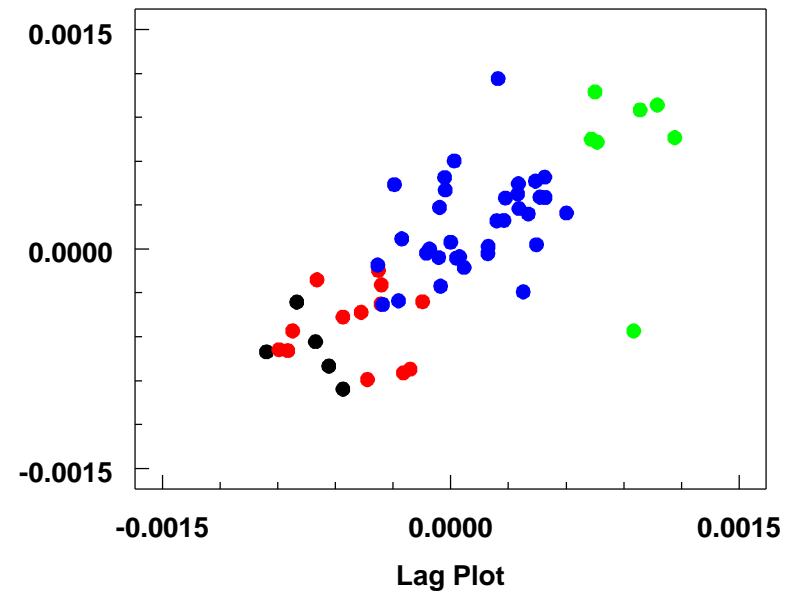
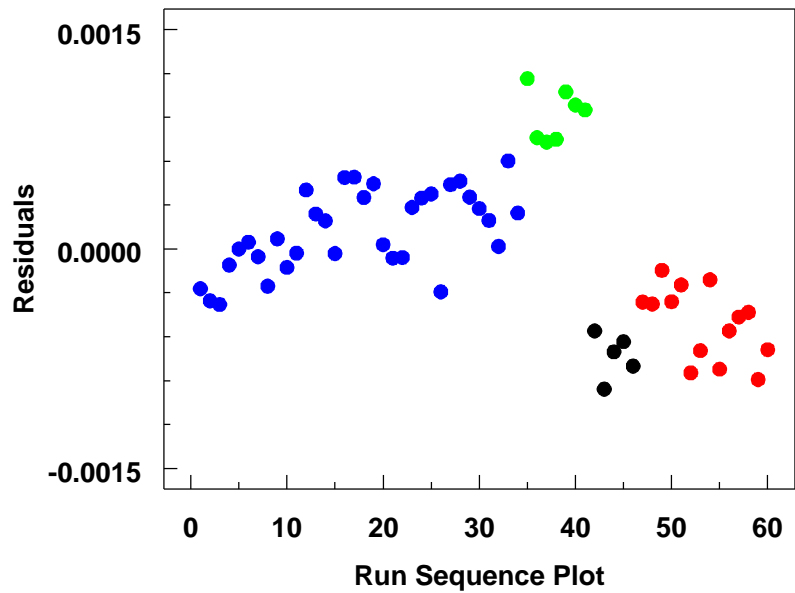


- - Density < 110
- - 110 < Density < 120
- - 120 < Density < 140
- - Density > 140

1958 Boulder Dataset Model 2: Nuisance Factors Versus Residuals



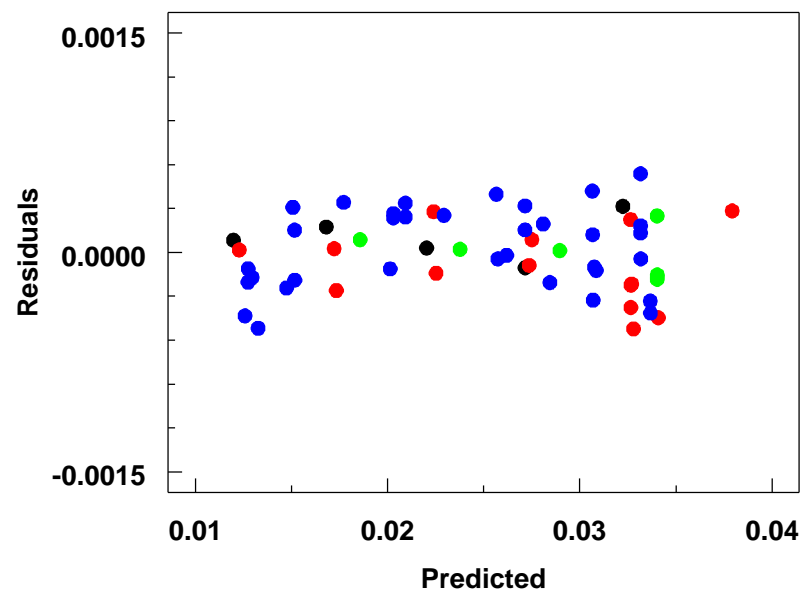
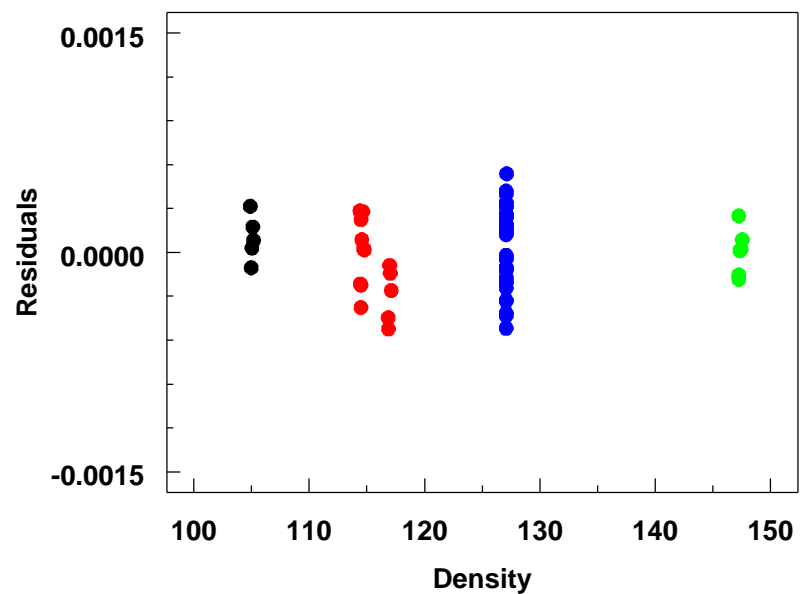
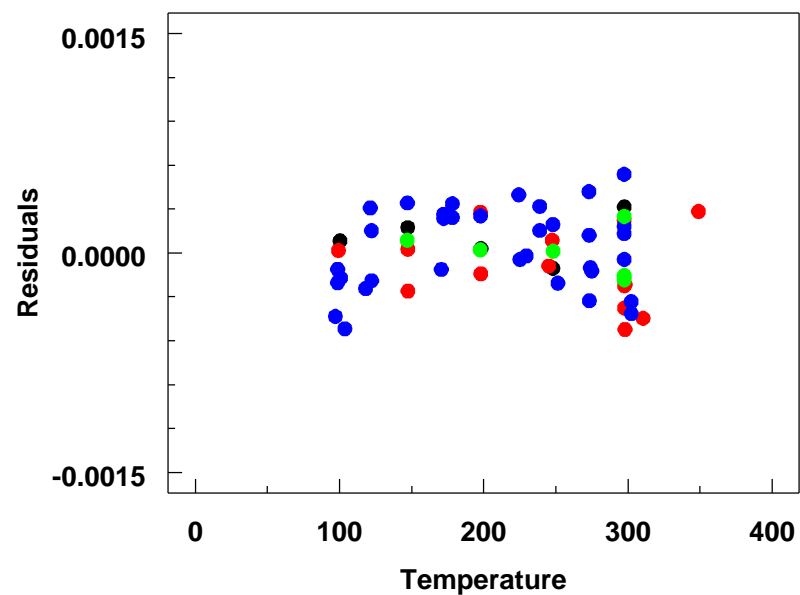
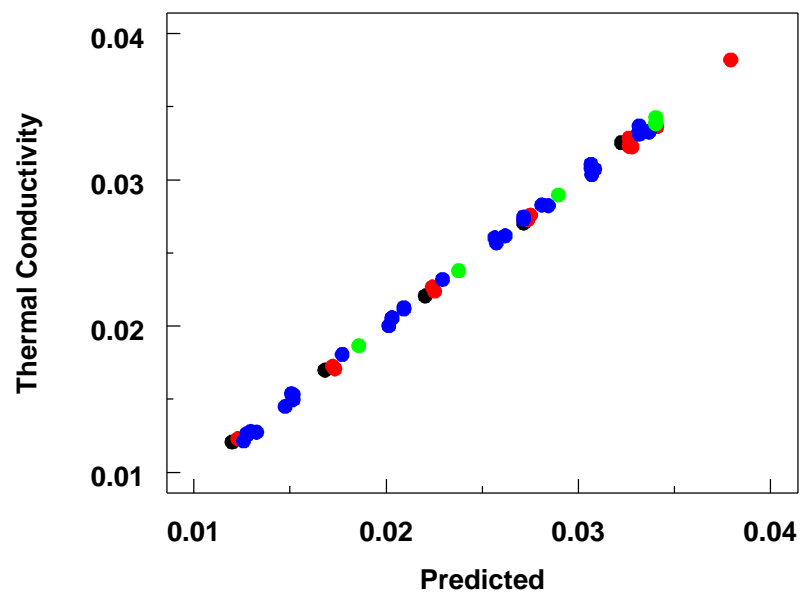
1958 Boulder Dataset Model 2: 4-Plot of the Residuals



PPCC = 0.9941

1958 Boulder Dataset Model 3: $k = -0.002770678 + 0.0001027506 \cdot t + 0.0000423191 \cdot d$

RESSD: 0.0002611427, BIC: -980.8478059



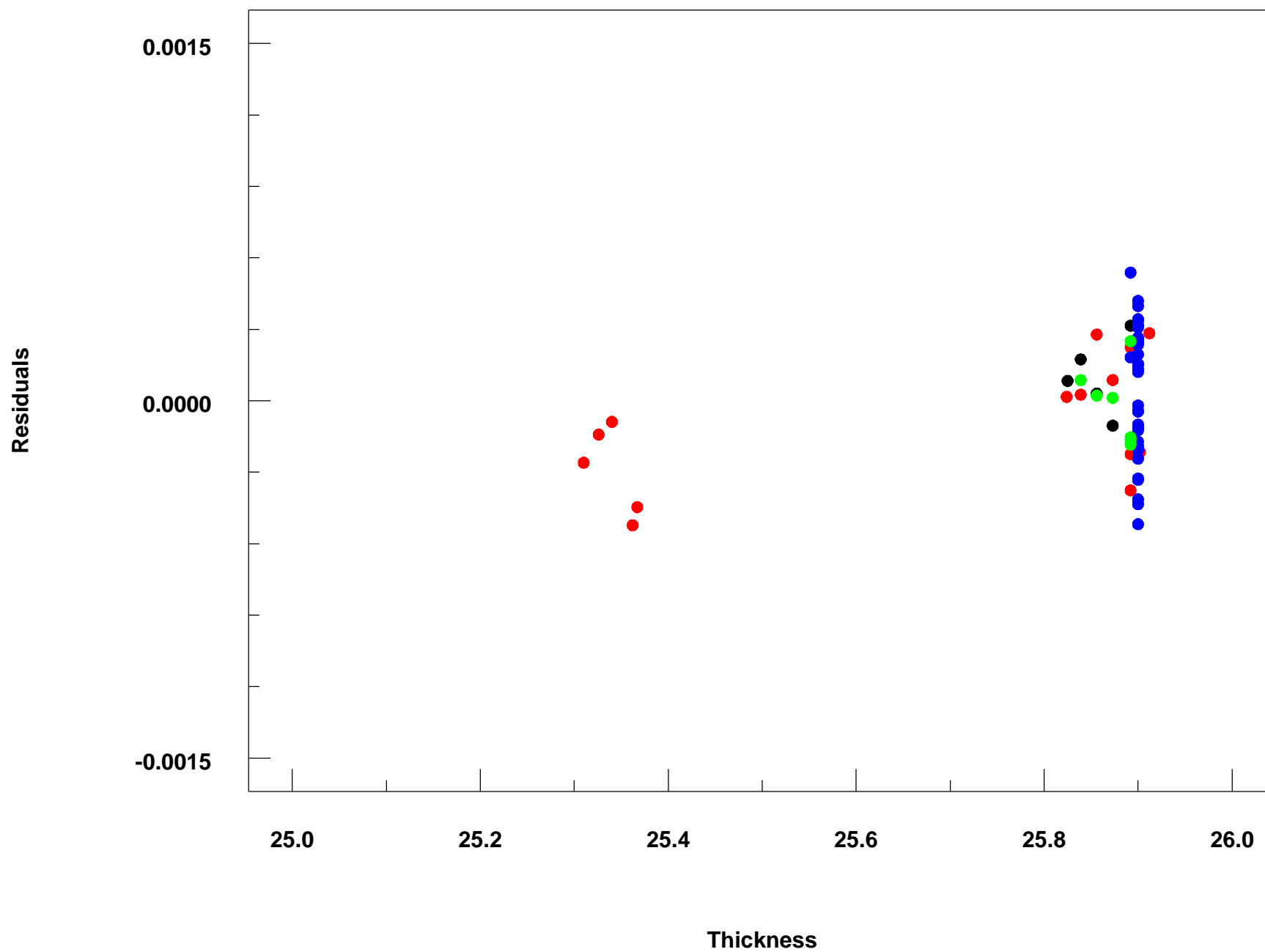
● - Density < 110

● - 110 < Density < 120

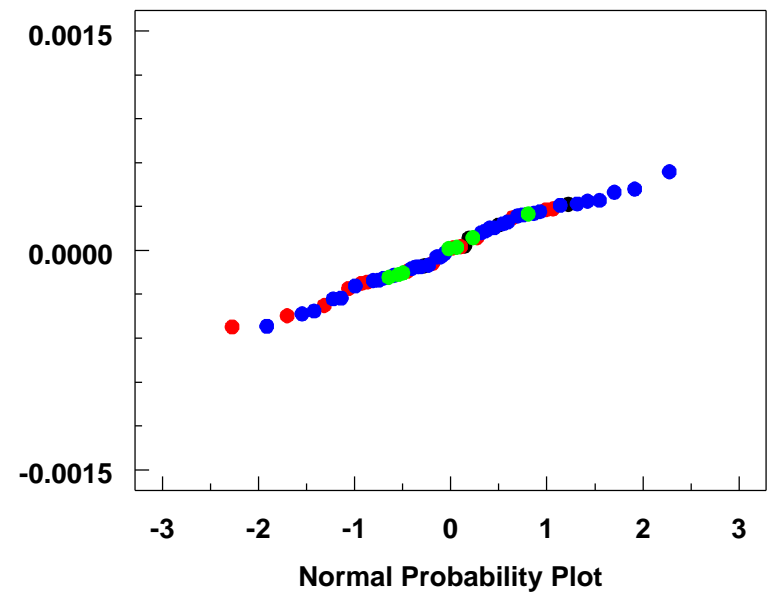
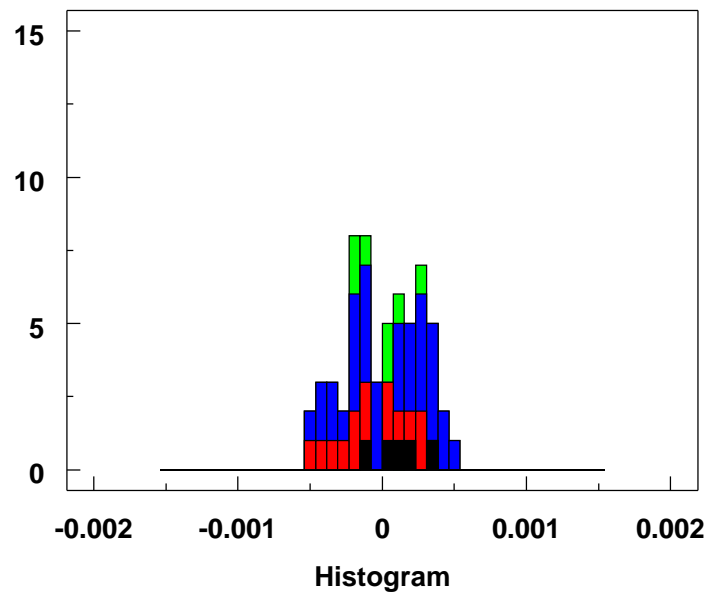
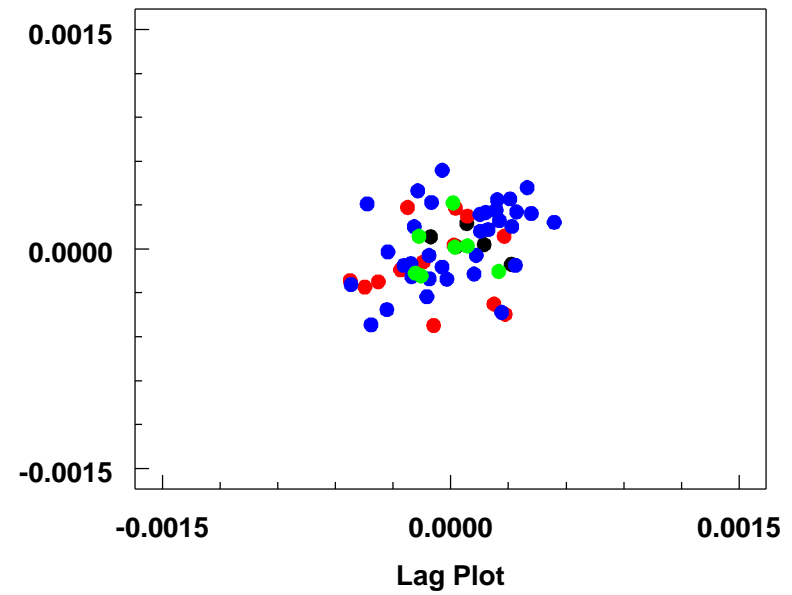
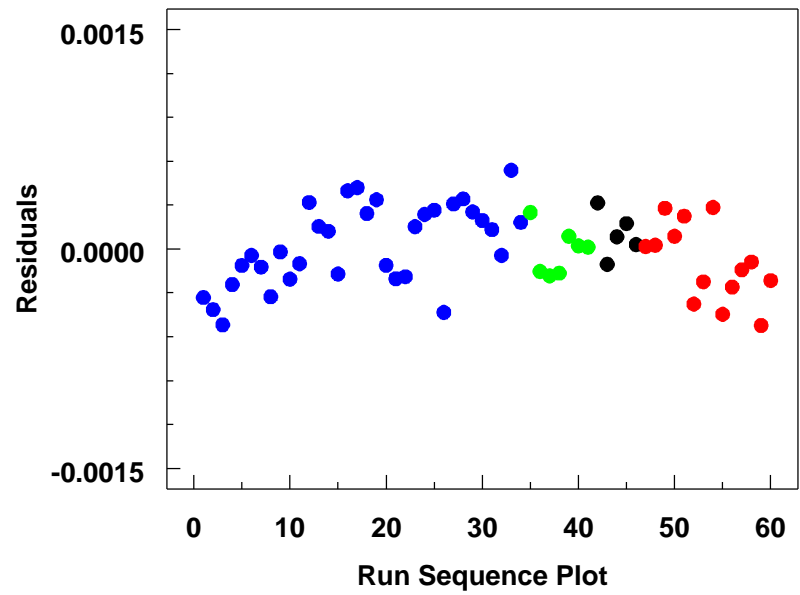
● - 120 < Density < 140

● - Density > 140

1958 Boulder Dataset Model 3: Nuisance Factors Versus Residuals



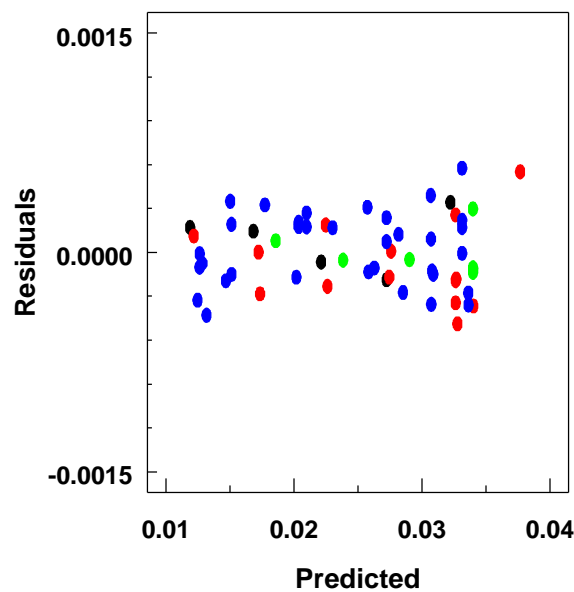
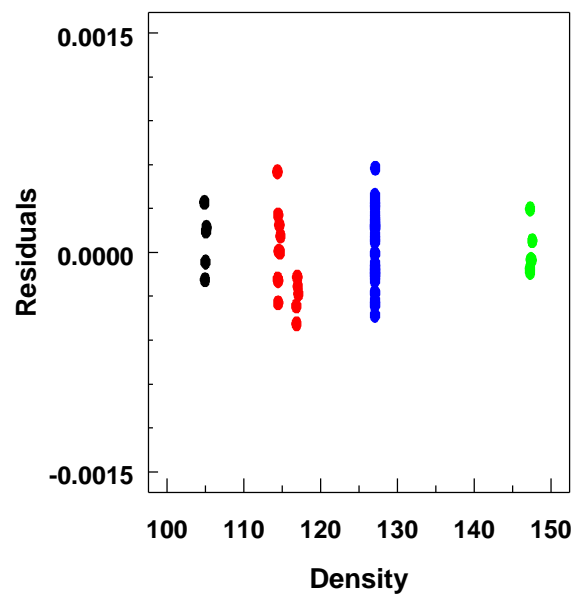
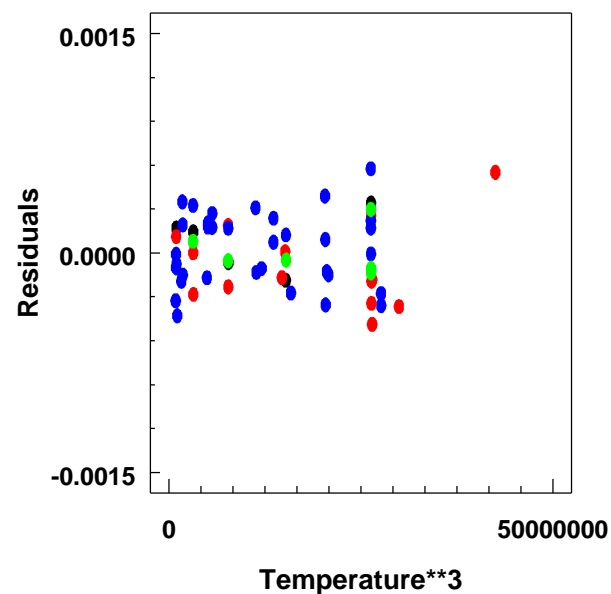
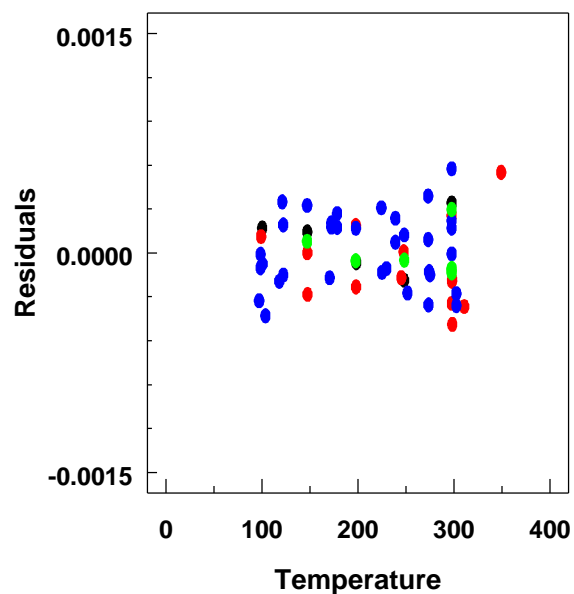
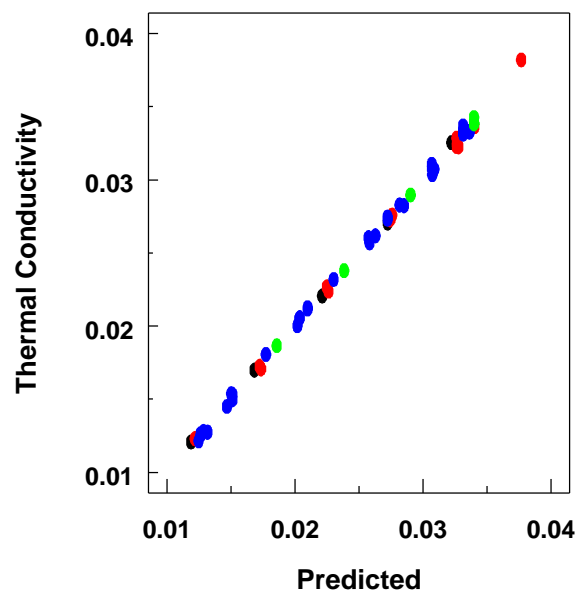
1958 Boulder Dataset Model 3: 4-Plot of the Residuals



PPCC = 0.9919

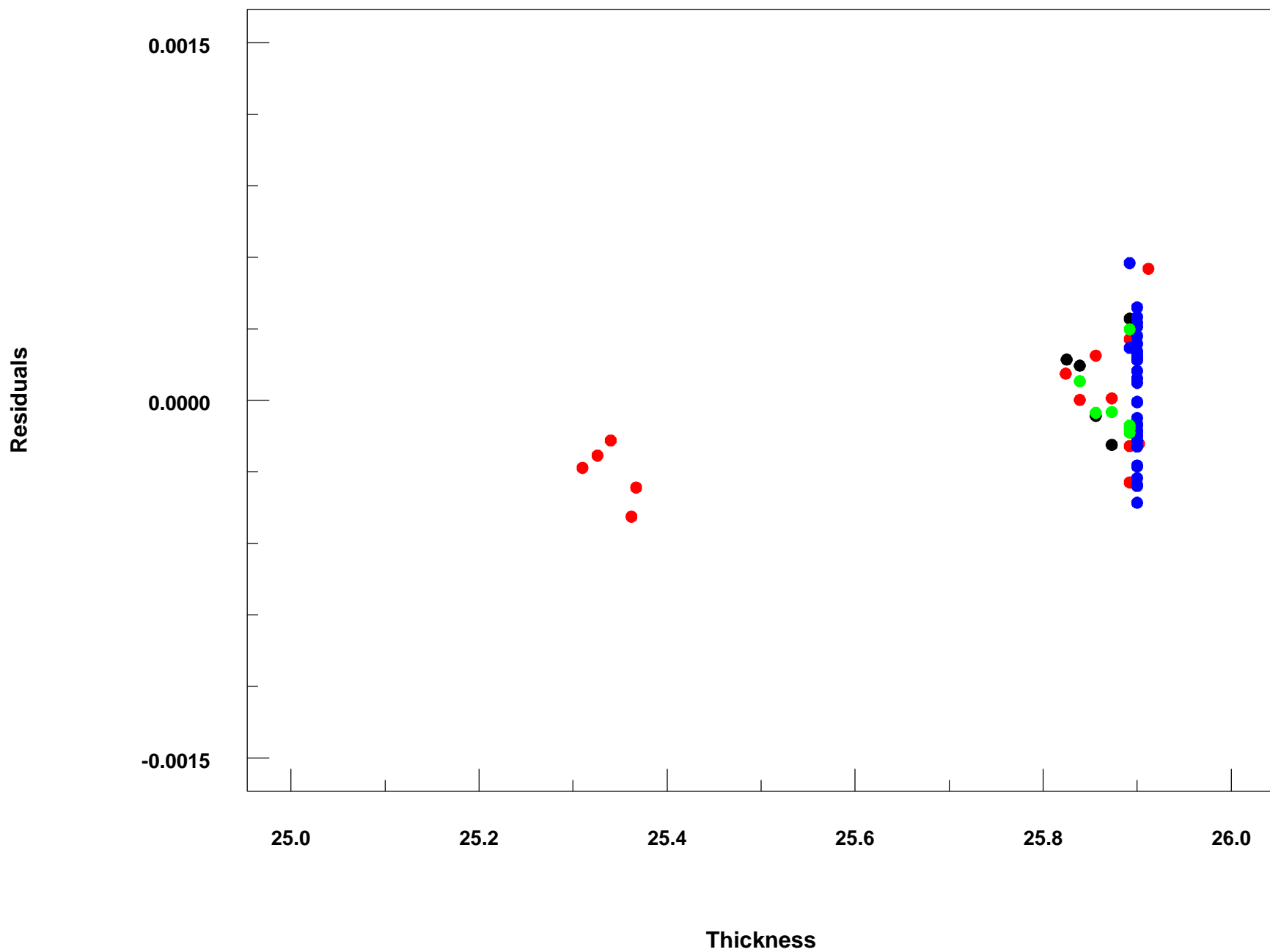
1958 Boulder Dataset Model 4: $k = 0.0251561667 + 0.0001031465 \cdot t + 0.0000423191 \cdot d + 0 \cdot t^3$

RESSD: 0.0002526793, BIC: -981.7689206

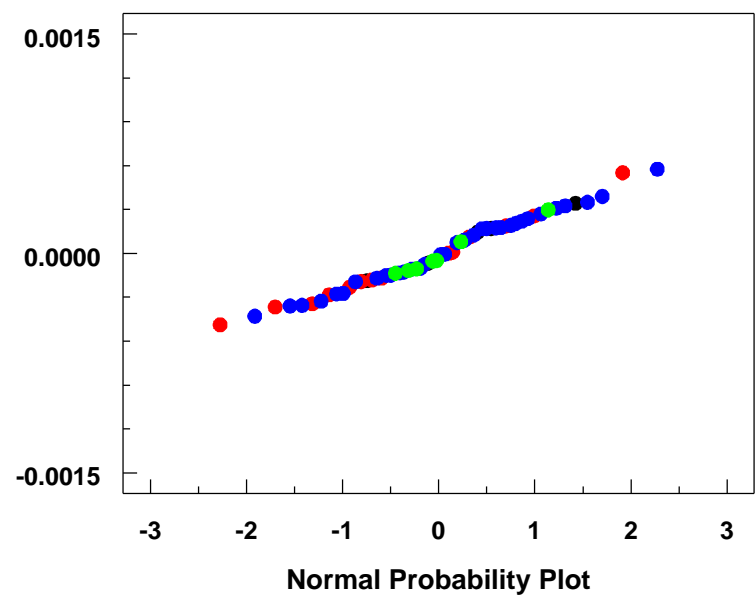
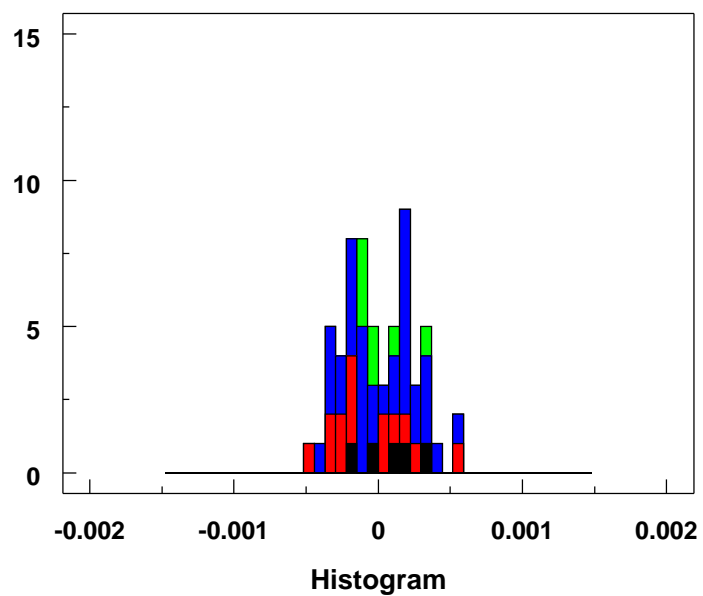
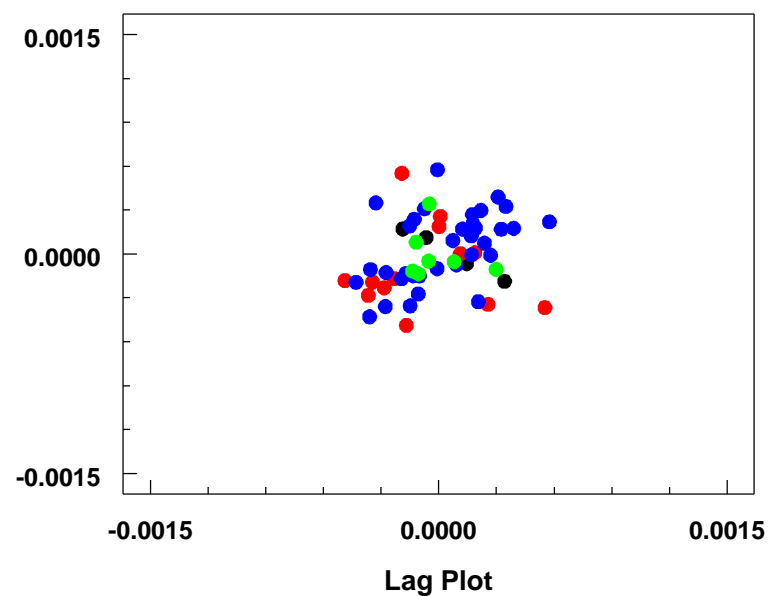
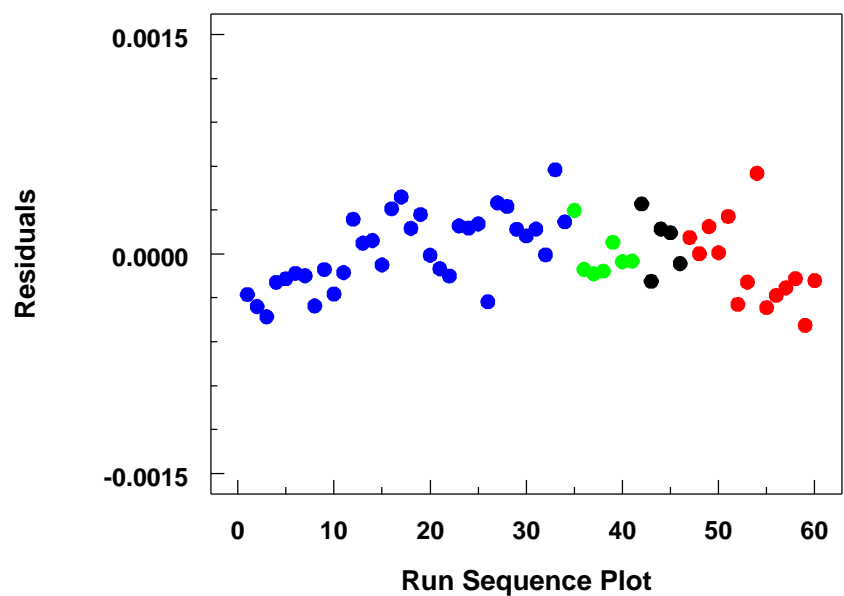


- - Density < 110
- - 110 < Density < 120
- - 120 < Density < 140
- - Density > 140

1958 Boulder Dataset Model 4: Nuisance Factors Versus Residuals



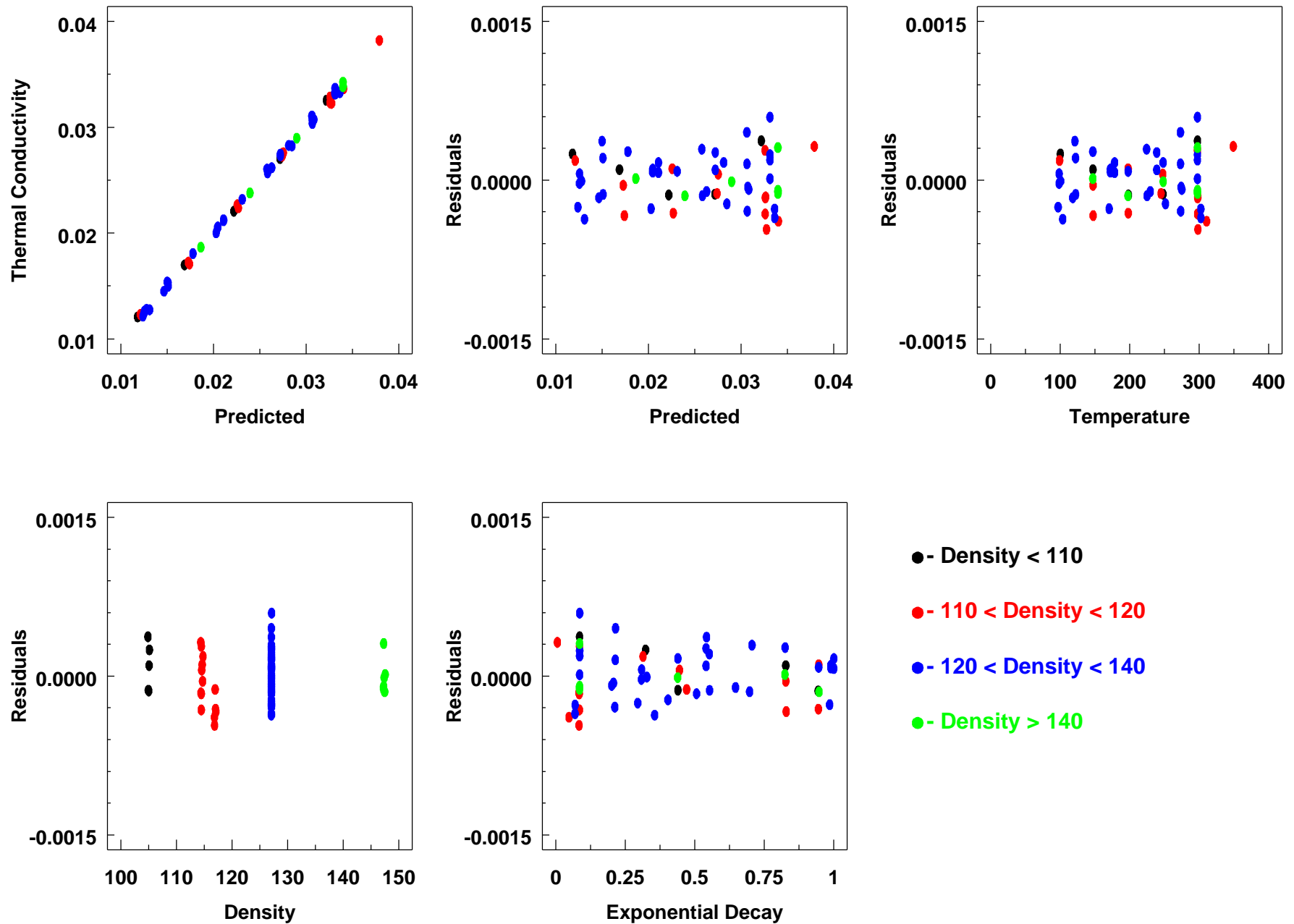
1958 Boulder Dataset Model 4: 4-Plot of the Residuals



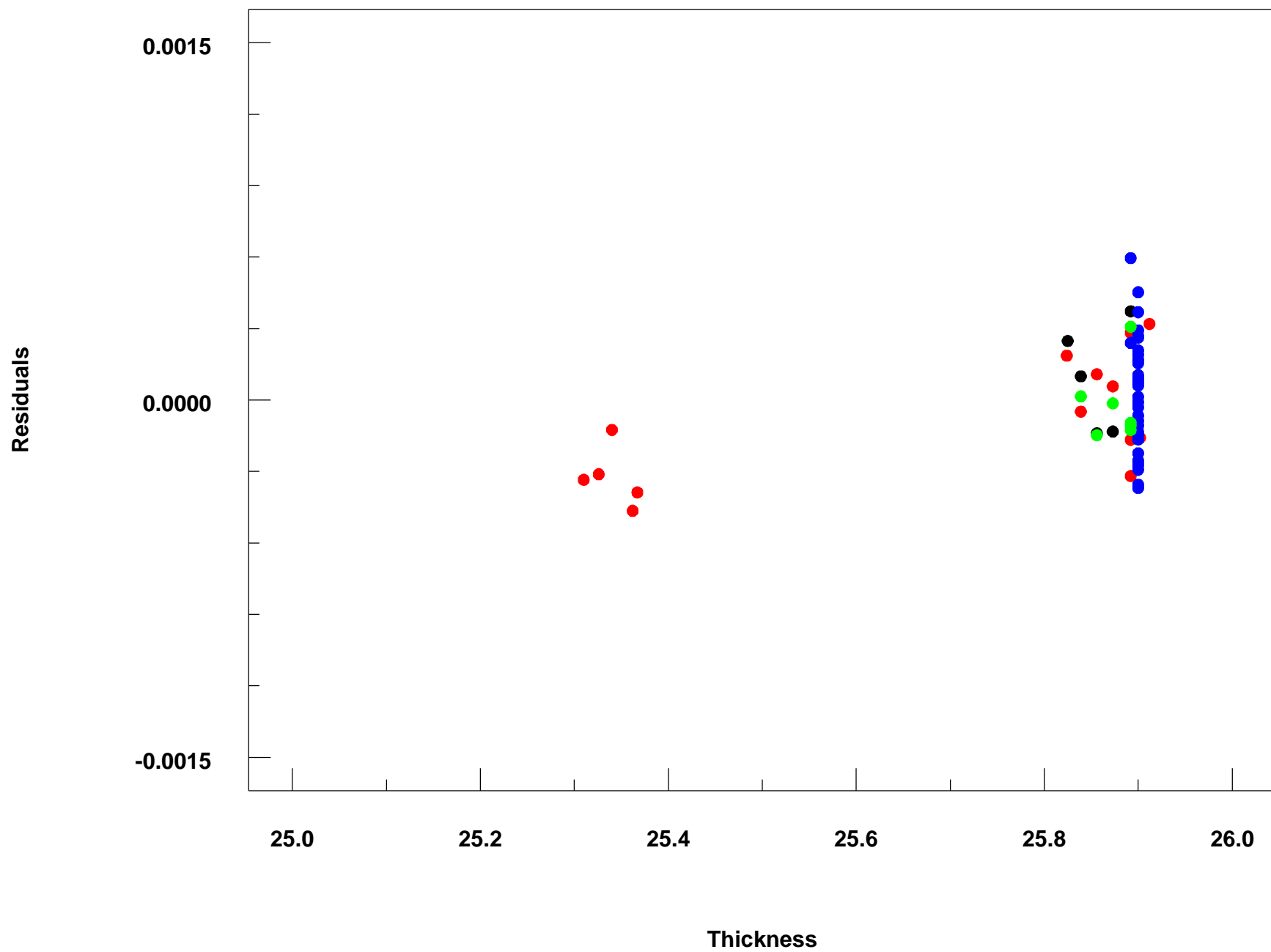
PPCC = 0.9919

1958 Boulder Dataset Model 5: $k = -0.003155798 + 0.0001037551 \cdot t + 0.0000422875 \cdot d + 0.0003808358 \cdot e1$

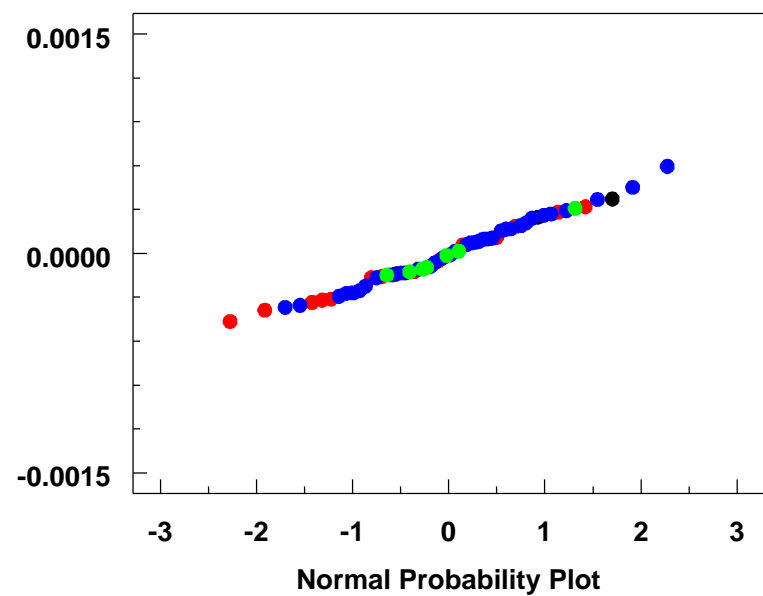
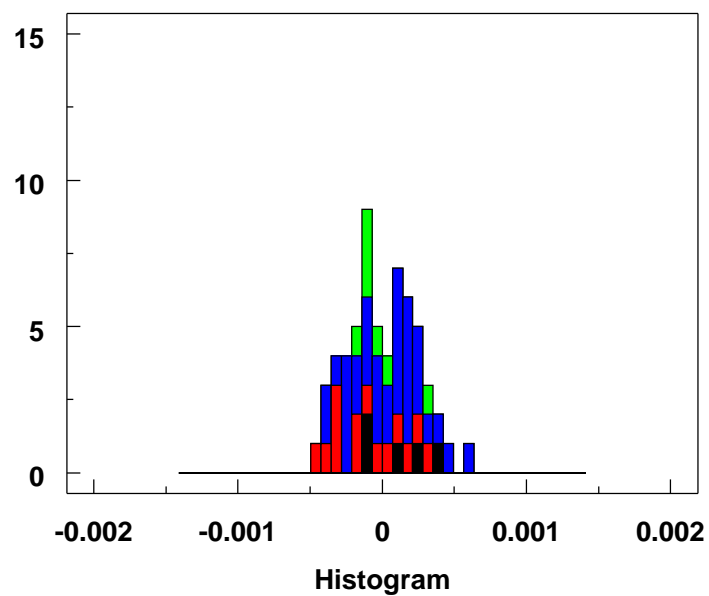
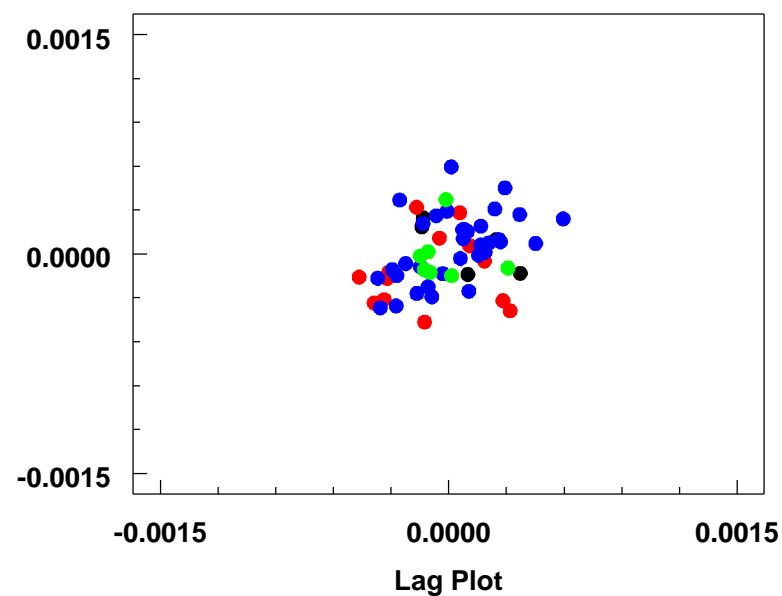
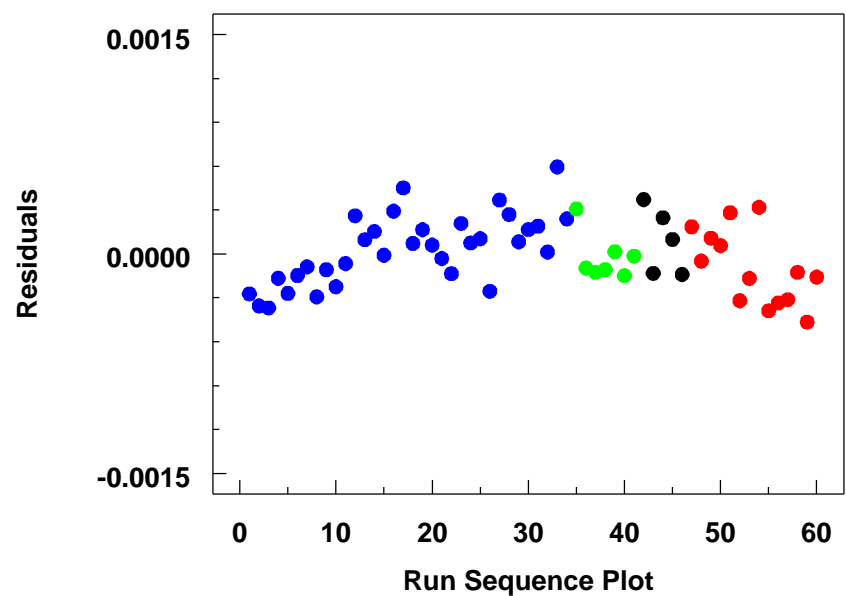
RESSD: 0.000241474, BIC: -987.2120641



1958 Boulder Dataset Model 5: Nuisance Factors Versus Residuals

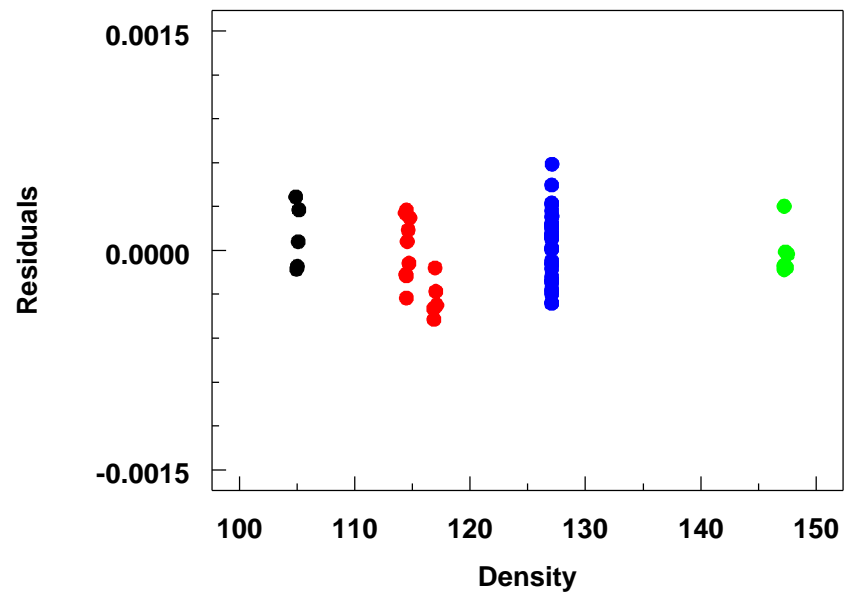
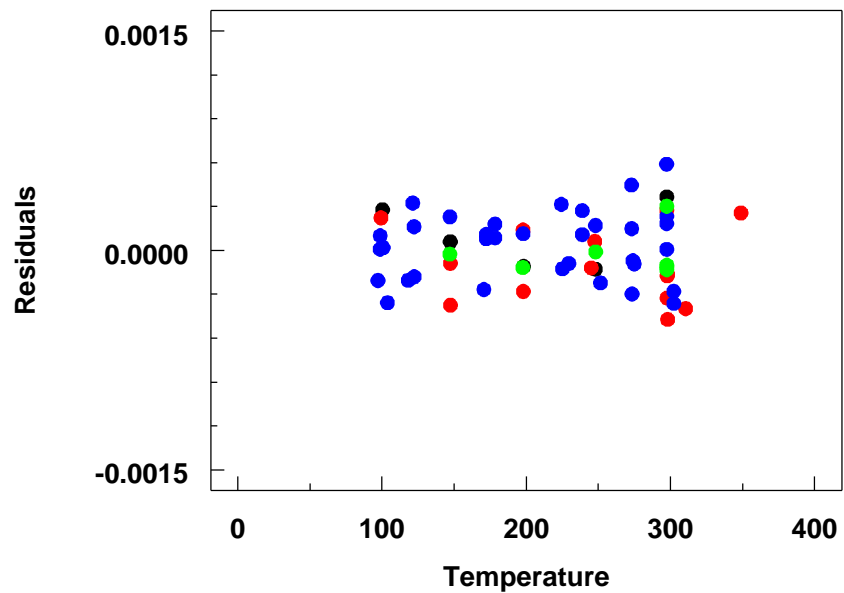
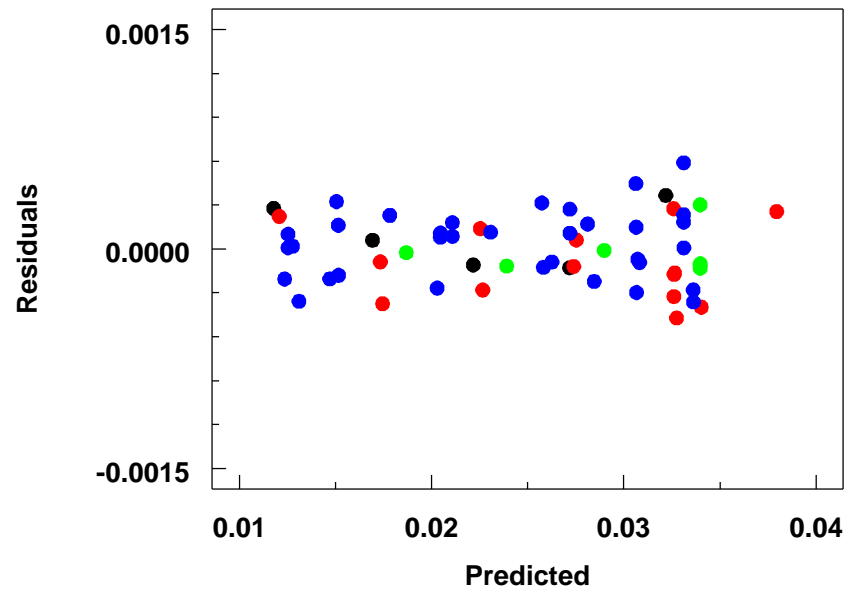
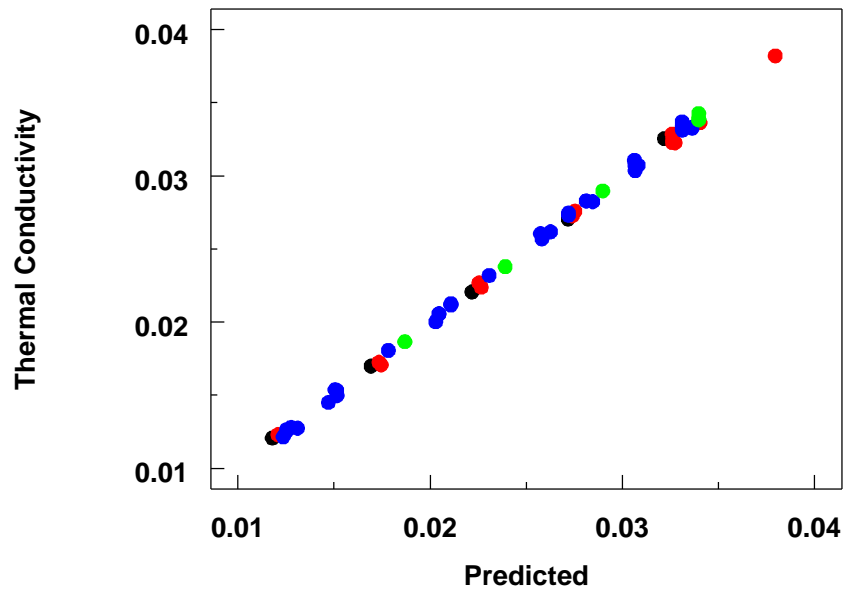


1958 Boulder Dataset Model 5: 4-Plot of the Residuals



PPCC = 0.9939

1958 Boulder Dataset Model 5a: $k = -0.00745196 + 0.0001143959 \cdot t + 0.000042274 \cdot d + 0.0033293497 \cdot \text{EXP}(-((t-91.713878741)/201.31224848)^2)$ (RESSD: 0.000244519, BIC: -979.7019723)



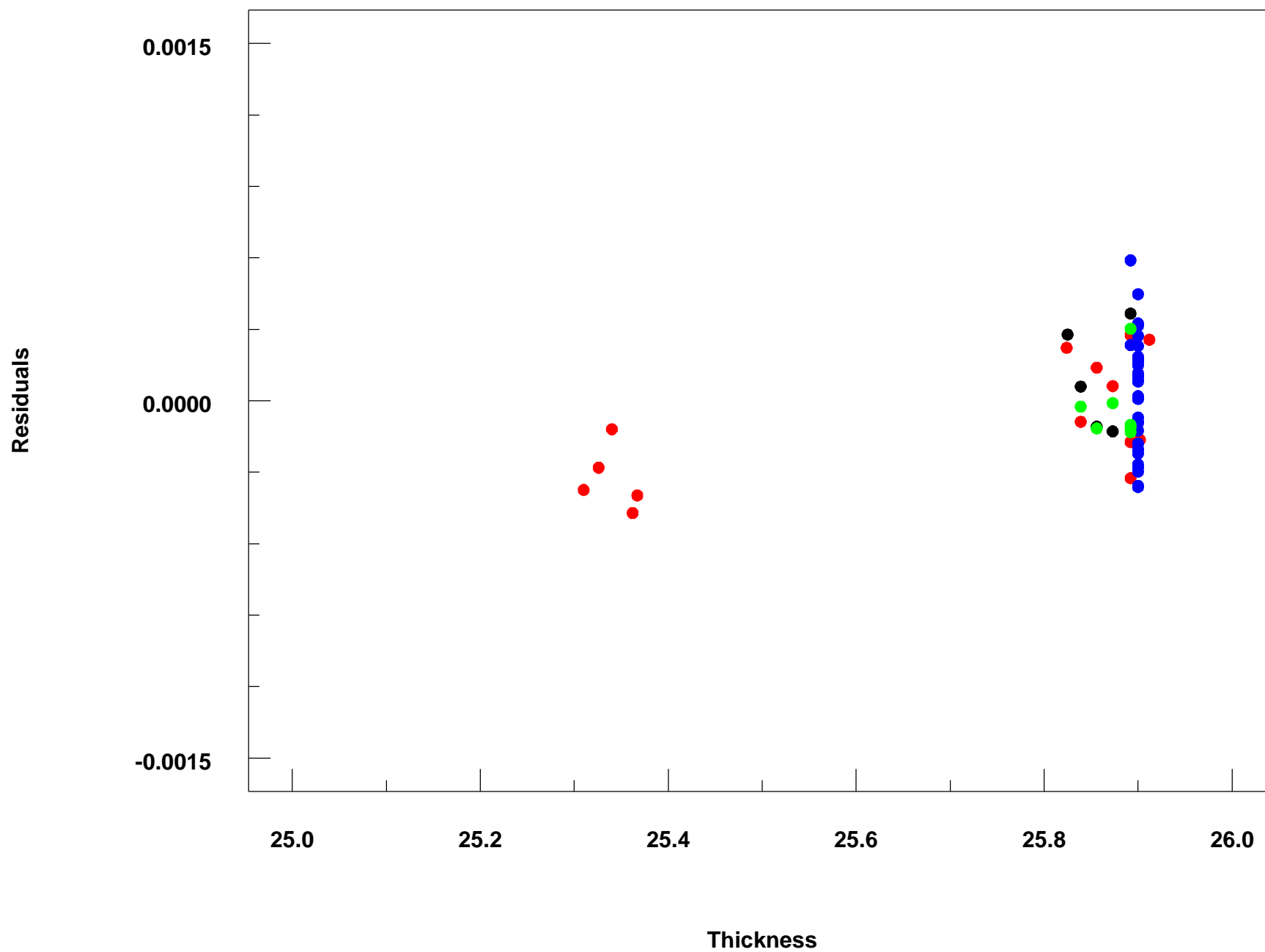
● - Density < 110

● - 110 < Density < 120

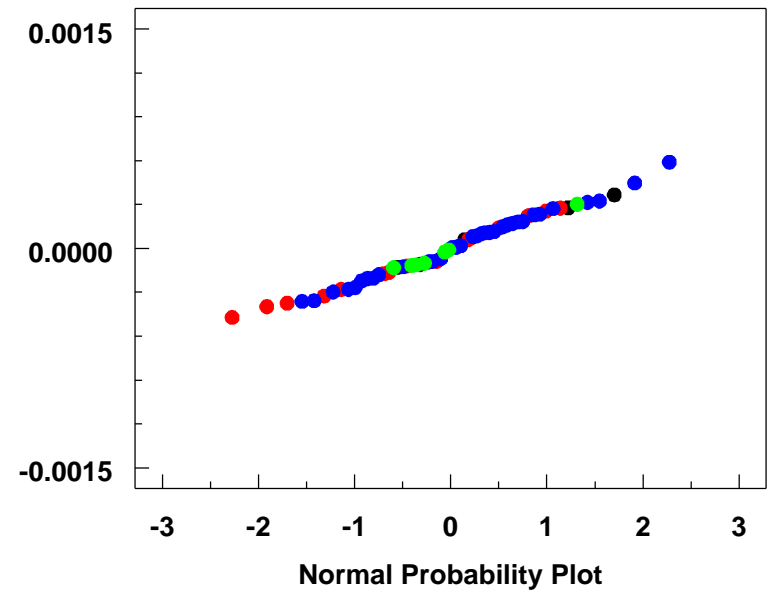
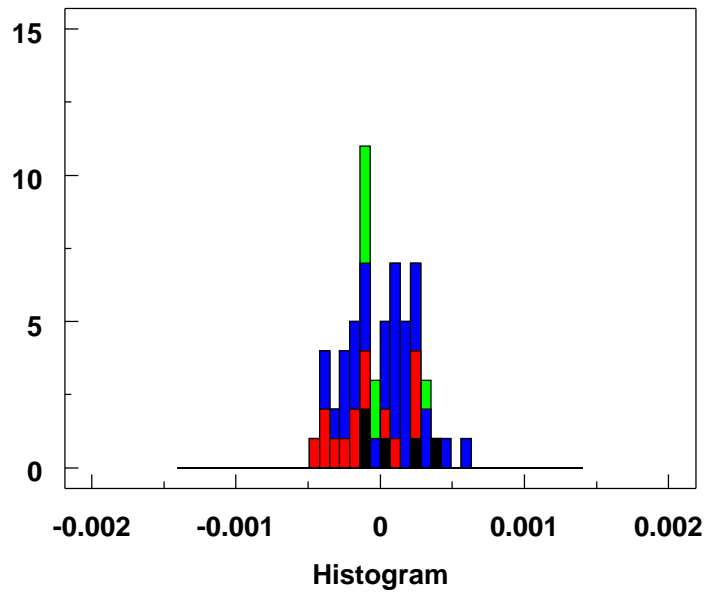
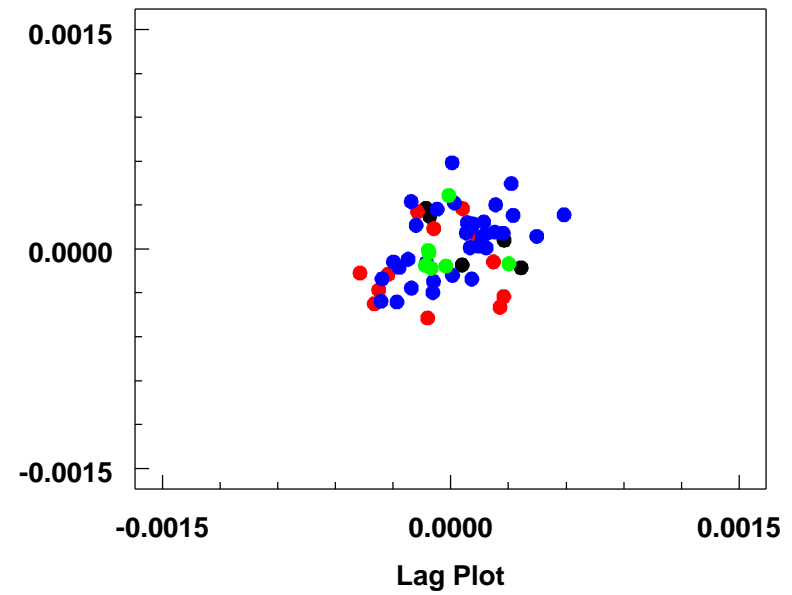
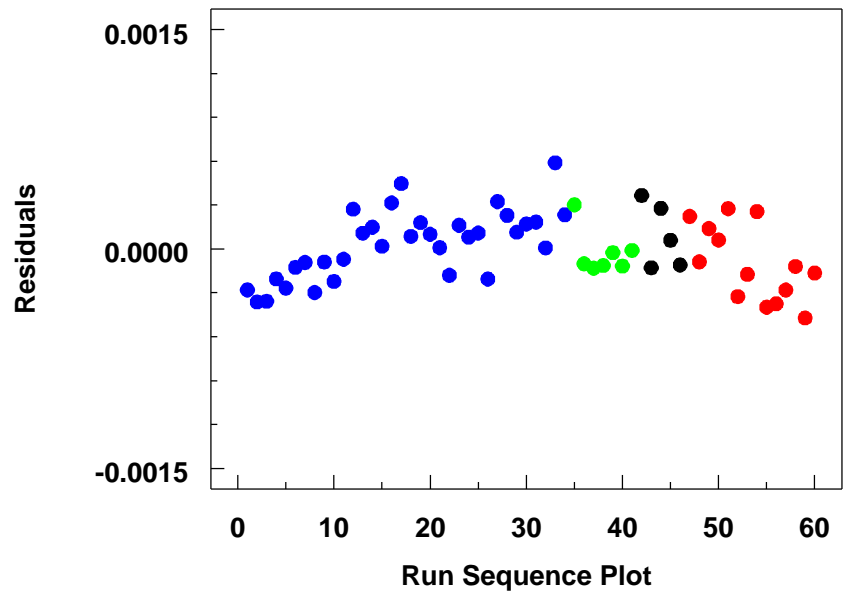
● - 120 < Density < 140

● - Density > 140

1958 Boulder Dataset Model 5a: Nuisance Factors Versus Residuals



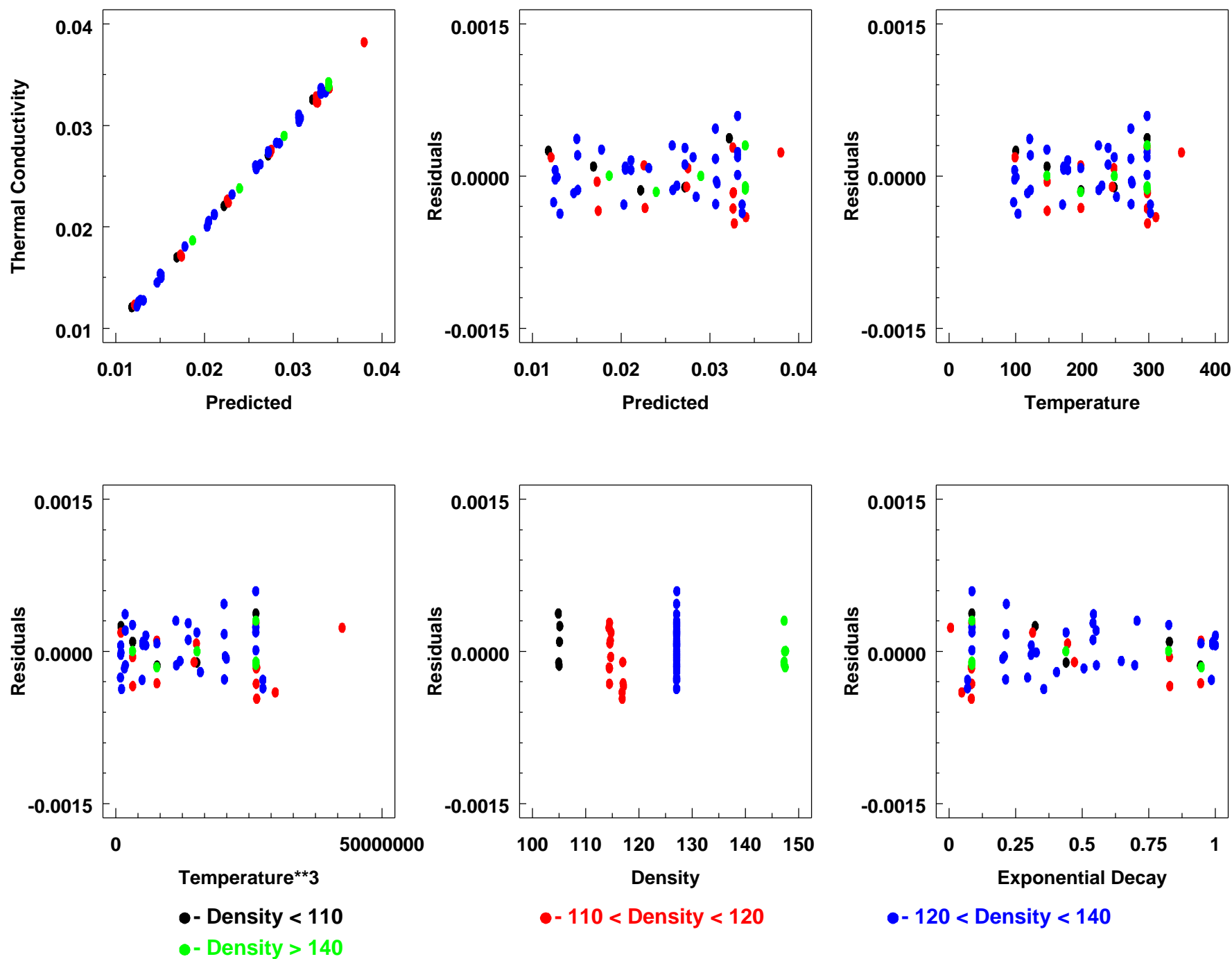
1958 Boulder Dataset Model 5a: 4-Plot of the Residuals



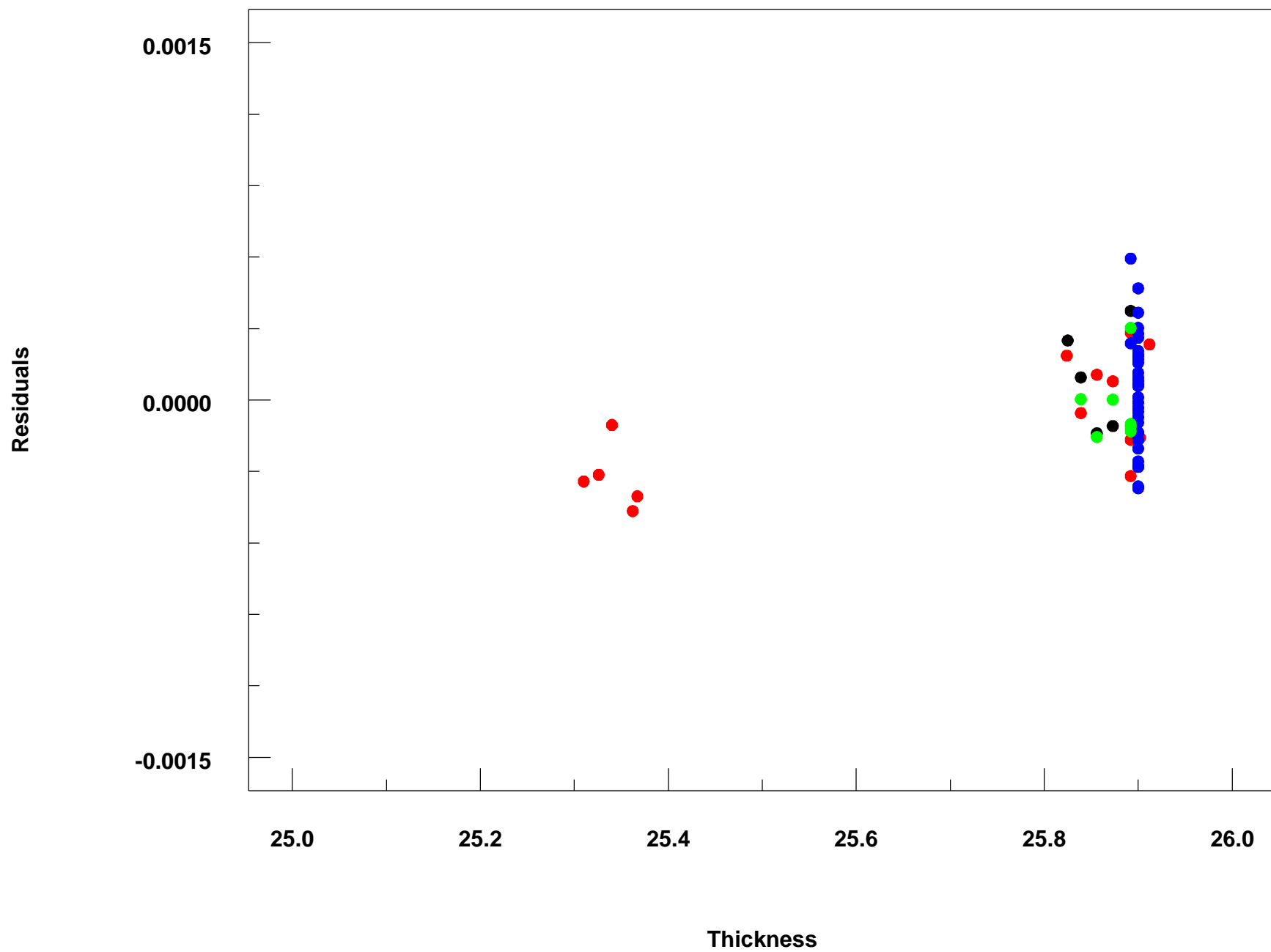
PPCC = 0.994

1958 Boulder Dataset Model 6: $k = 0.0251561667 + 0.0001031465 \cdot t + 0.0000423191 \cdot d + 0 \cdot t^{**3} + 0.0004554479 \cdot e1$

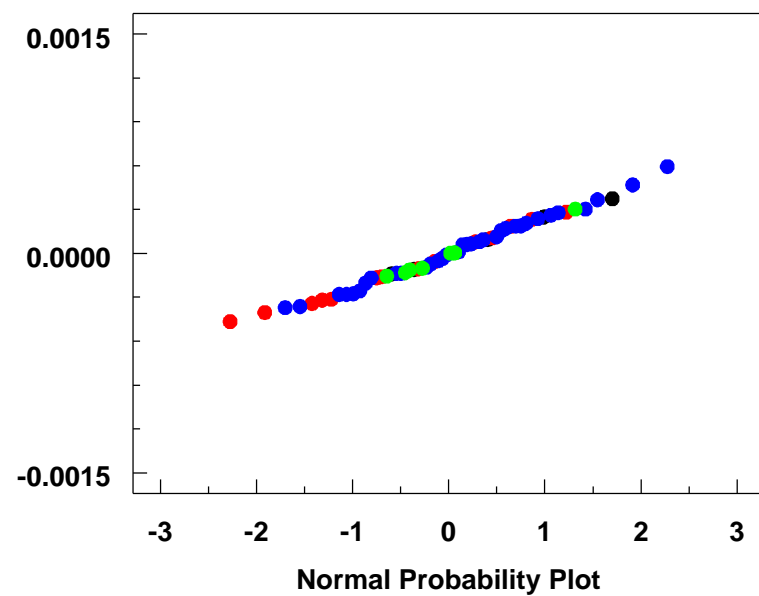
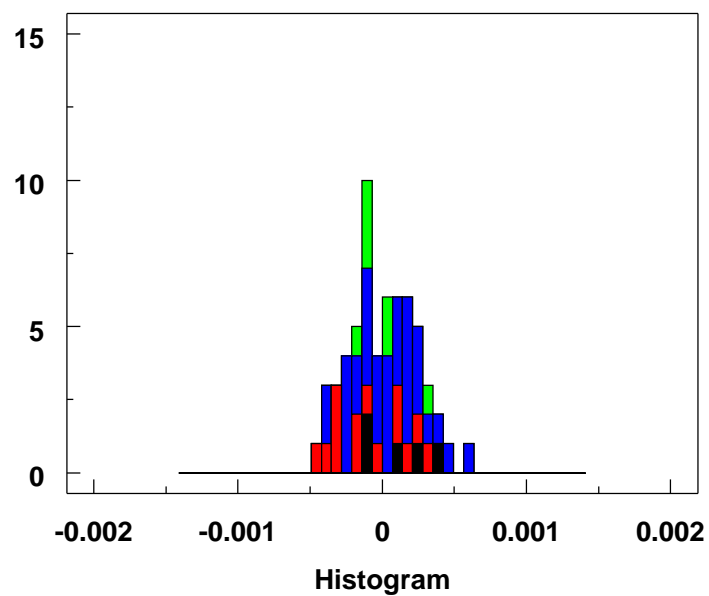
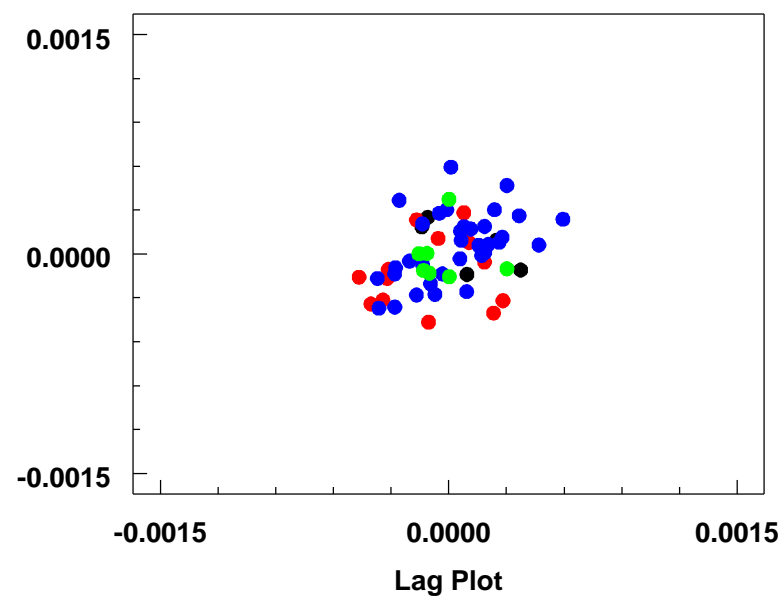
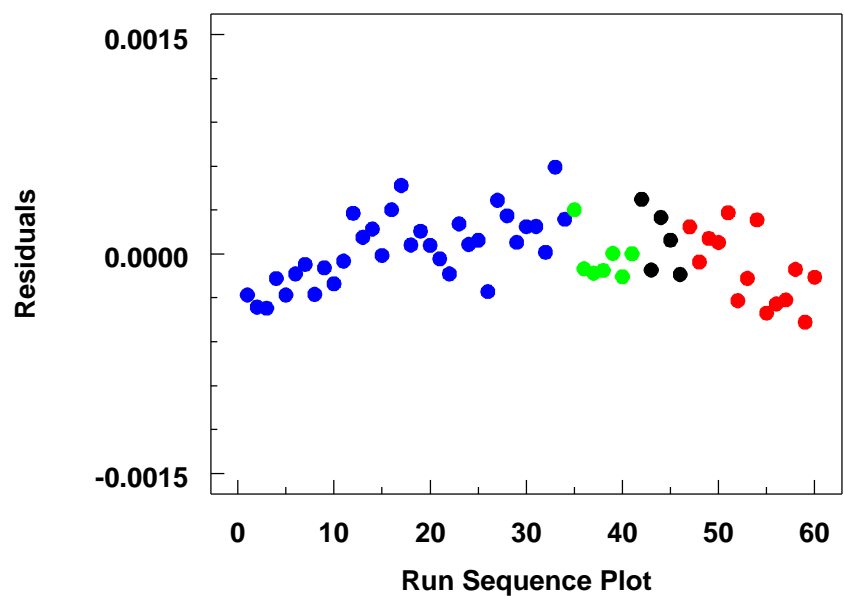
RESSD: 0.000243149, BIC: -983.3692802



1958 Boulder Dataset Model 6: Nuisance Factors Versus Residuals

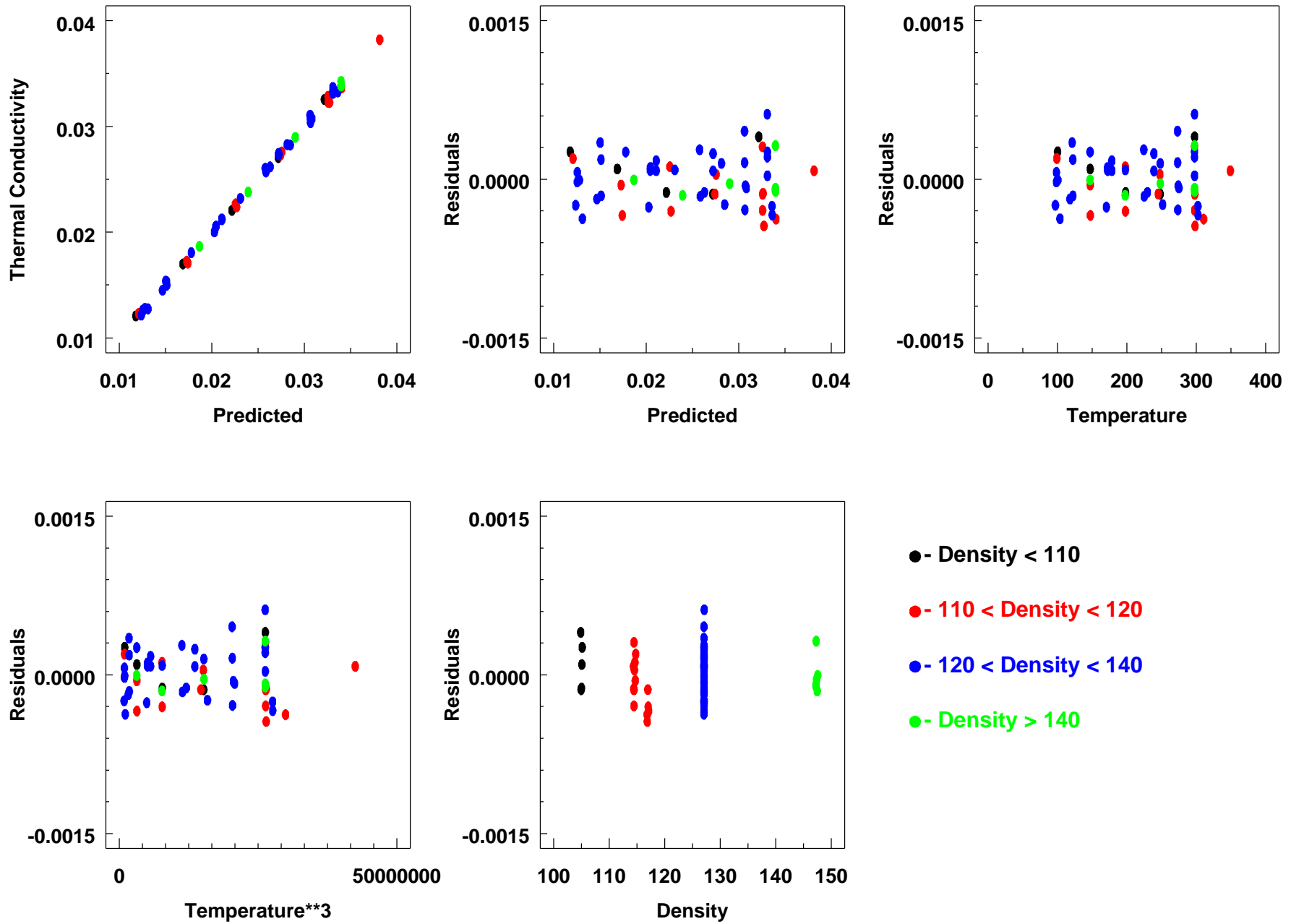


1958 Boulder Dataset Model 6: 4-Plot of the Residuals

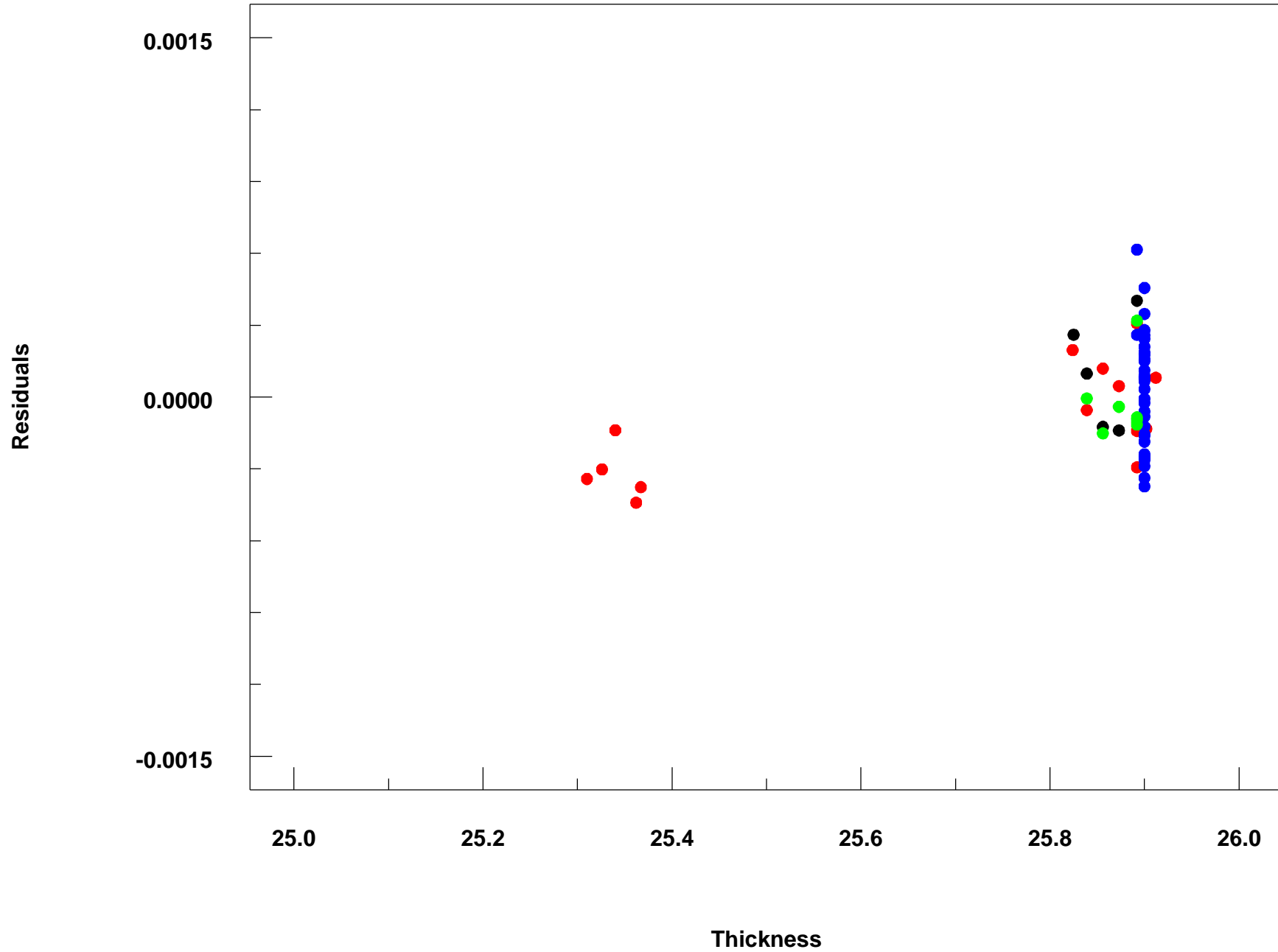


PPCC = 0.9948

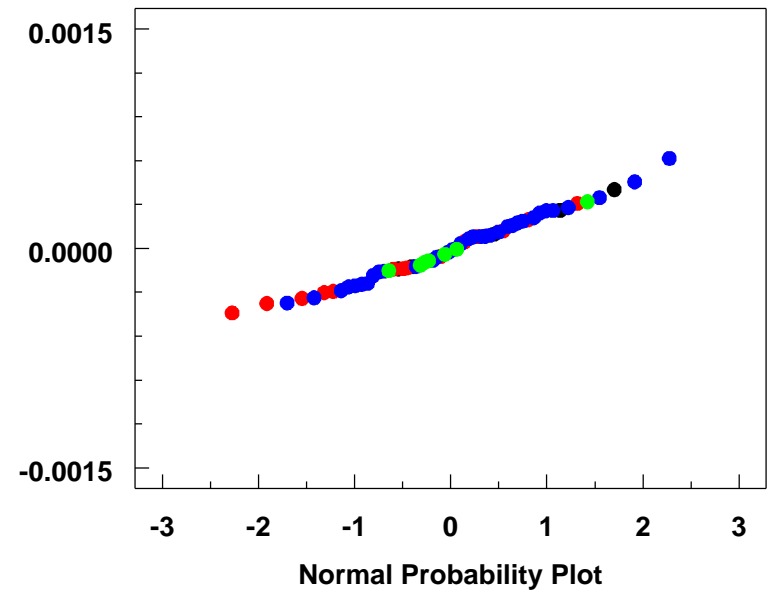
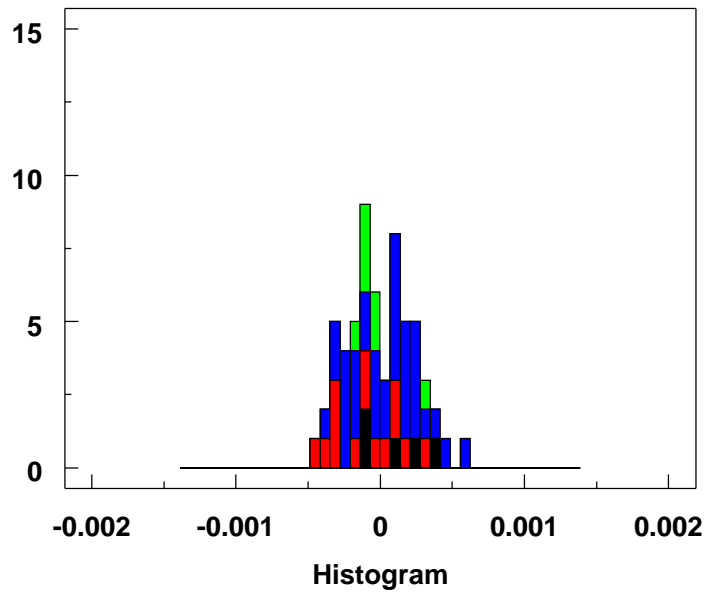
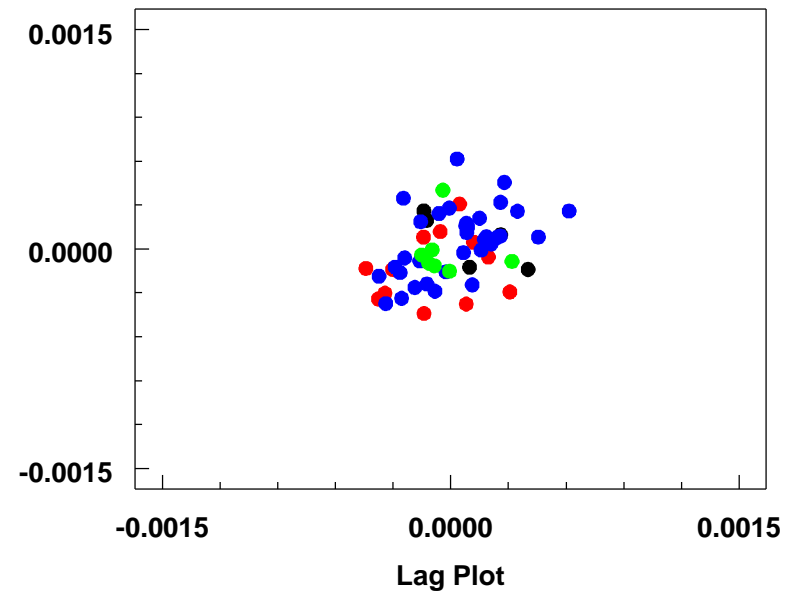
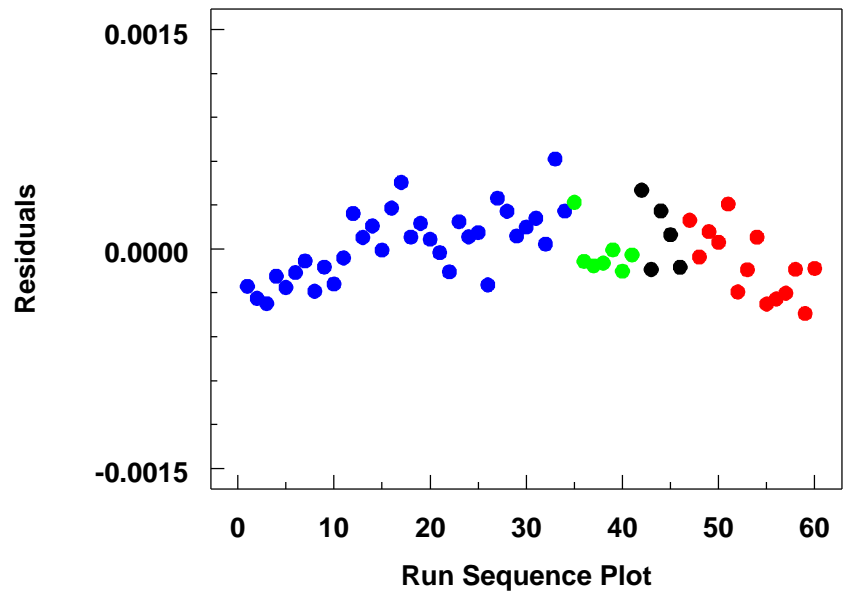
1958 Boulder Dataset Model 6a: $k = -0.012390178 + 0.0000532768*t + 0.0000427413*d + 0*t^{**3} + 0.017459173*EXP(-((t-229.45029663)/277.67599235)**2)$ (RESSD: 0.0002441133, BIC: -976.9302355)



1958 Boulder Dataset Model 6a: Nuisance Factors Versus Residuals



1958 Boulder Dataset Model 6a: 4-Plot of the Residuals



PPCC = 0.9934

1958 Boulder

