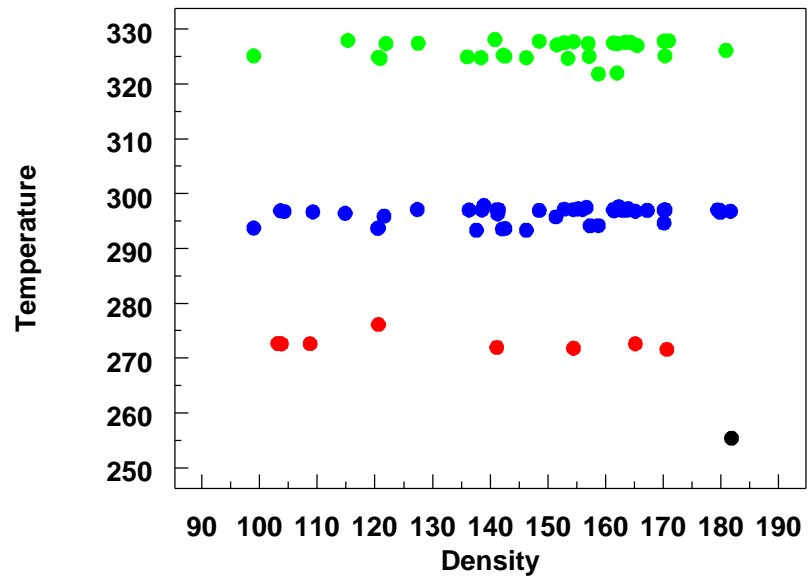
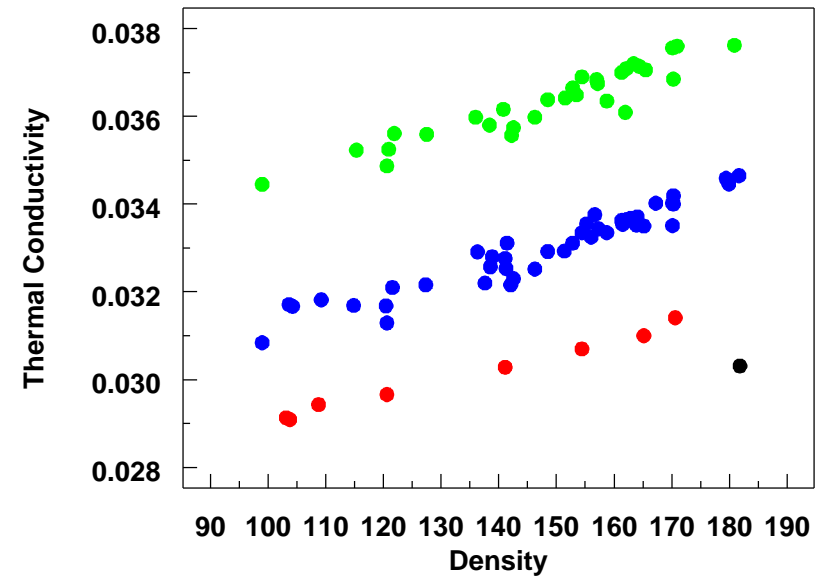
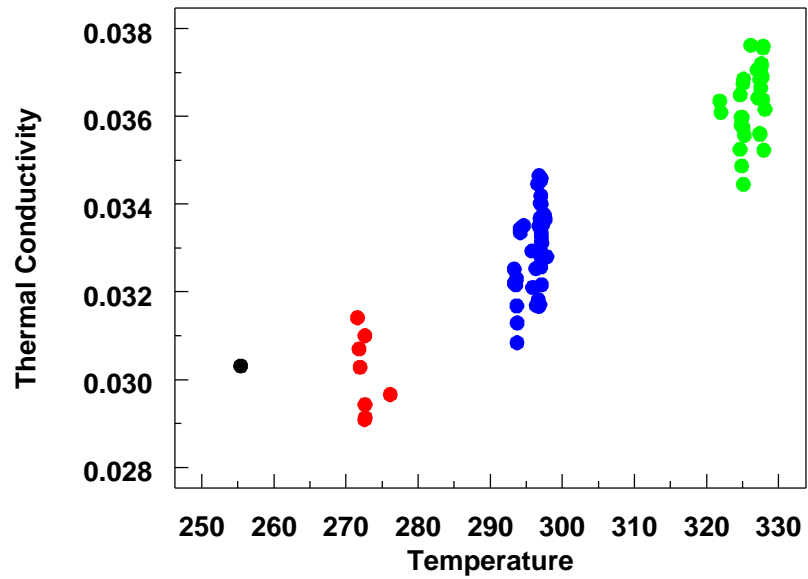
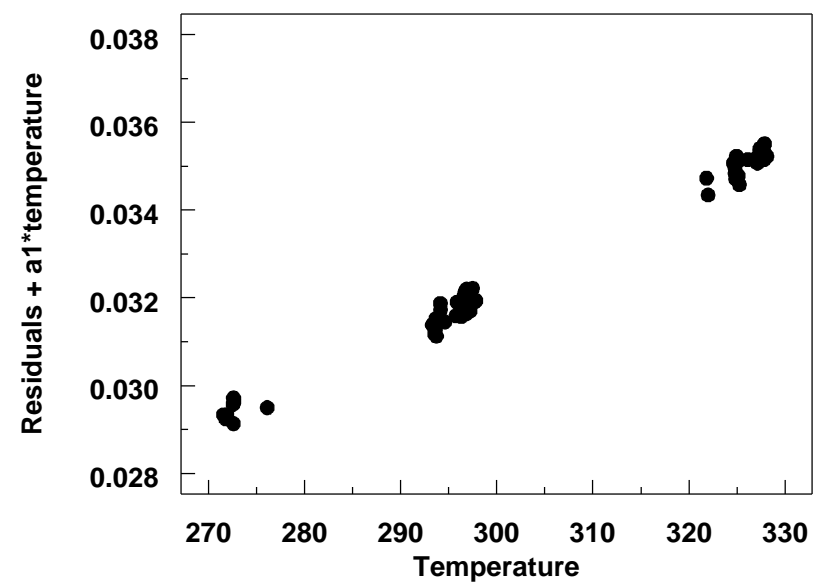
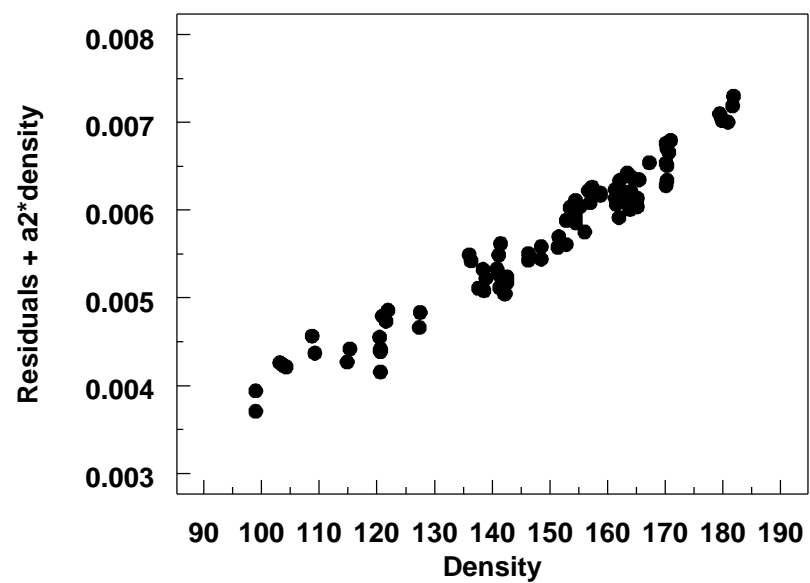


Dataset 1959: Raw Data



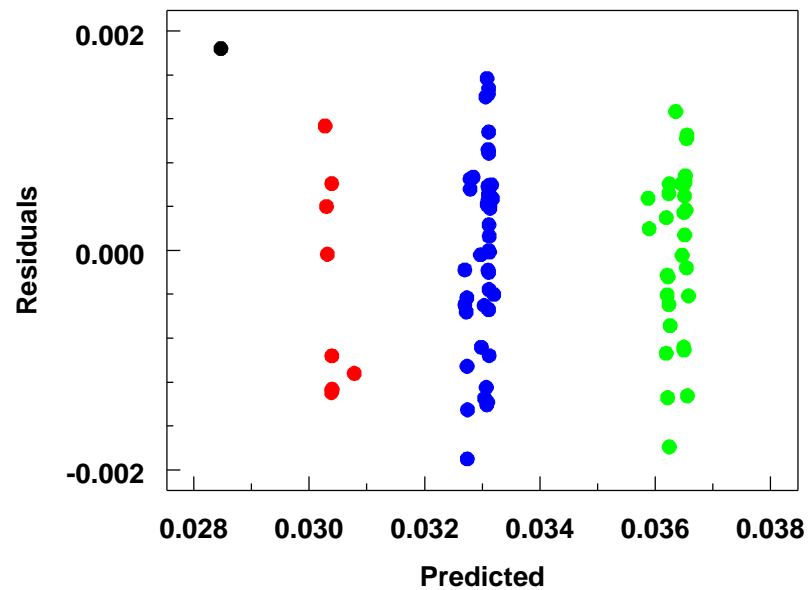
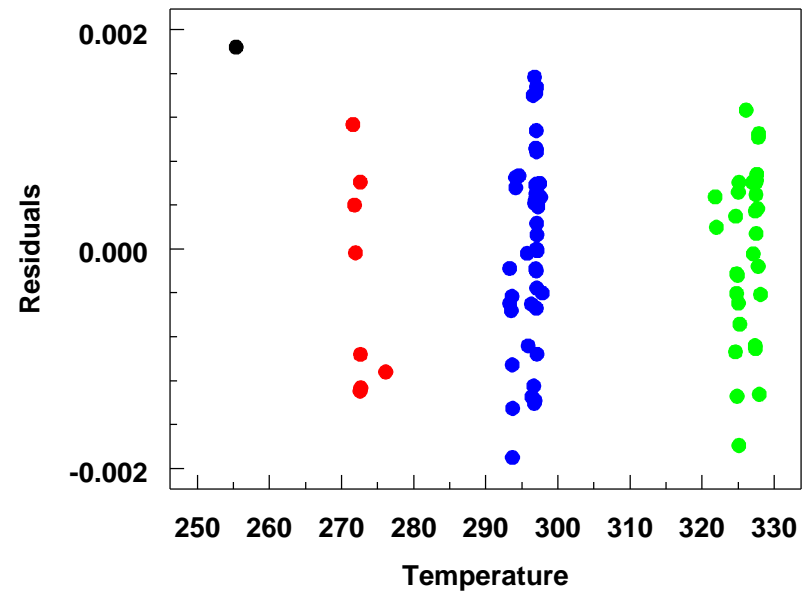
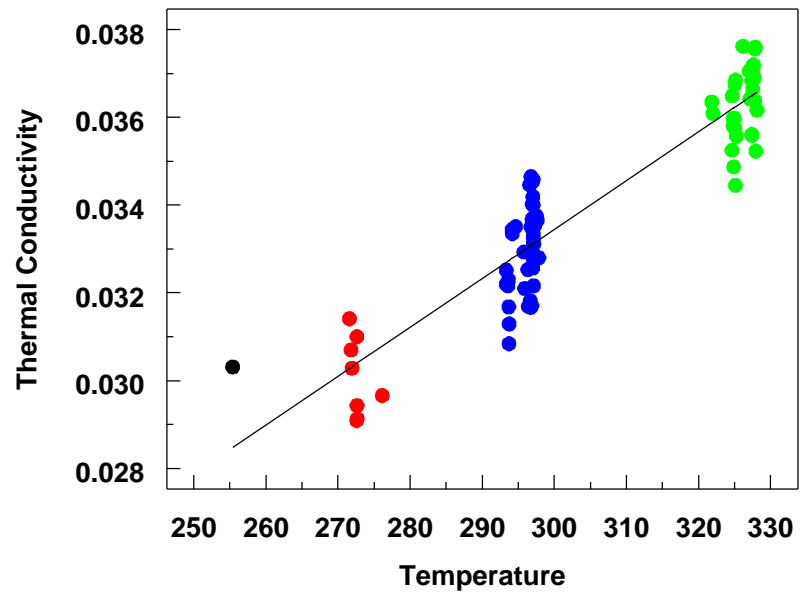
- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

Dataset 1959: Partial Residual Plots



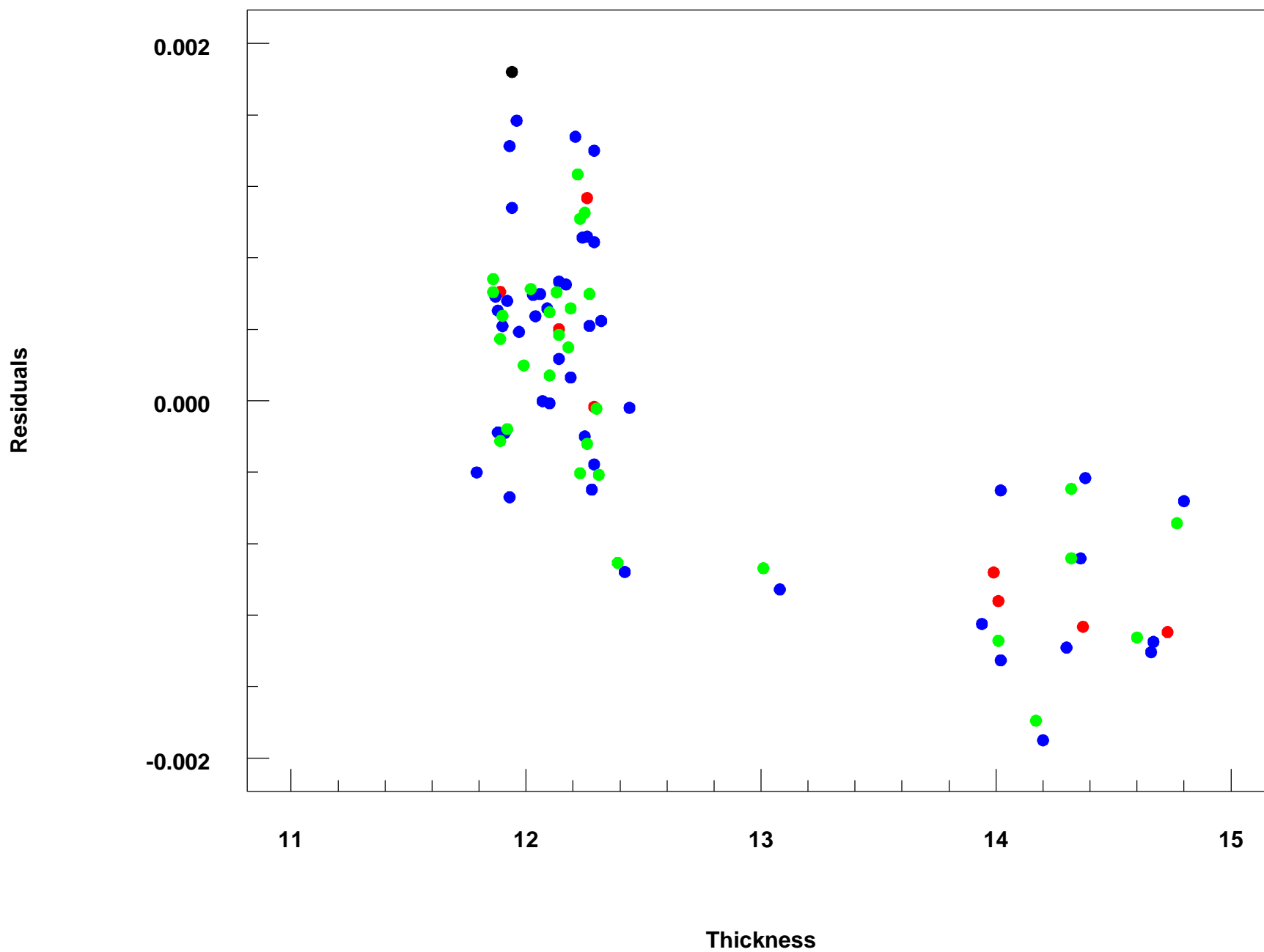
1959 Dataset Model 1: $k = 0.0001114741 \cdot t$

RESSD: 0.0008606059, BIC: -1182.29803

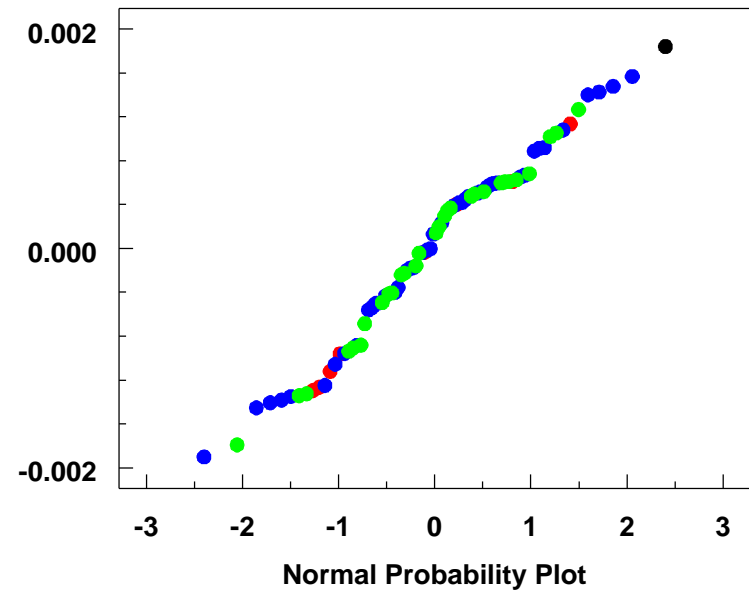
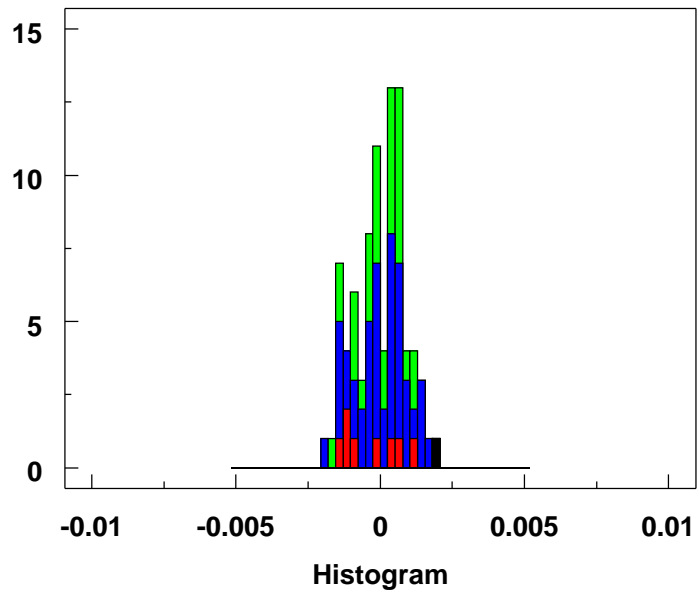
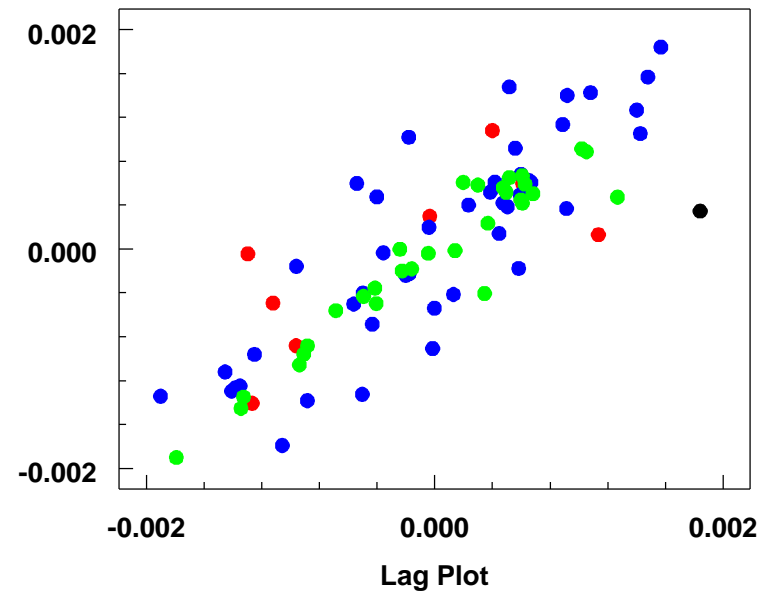
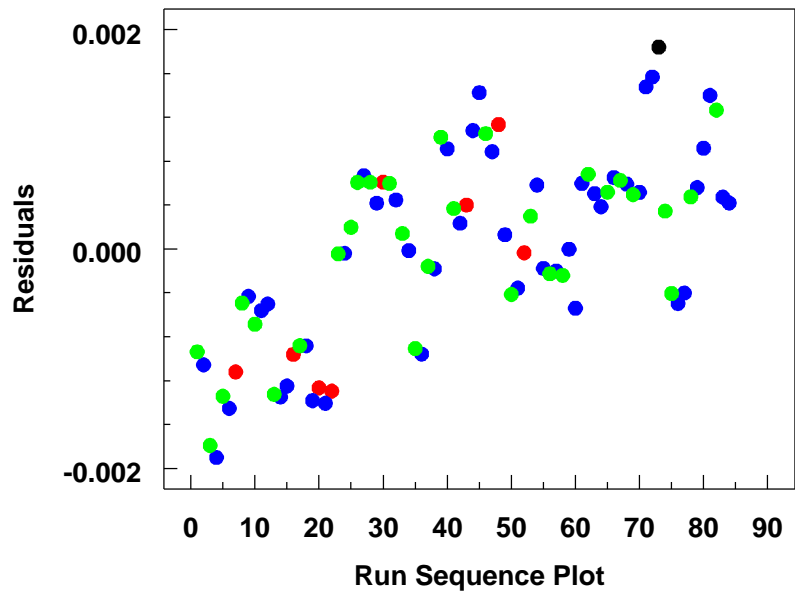


- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

1959 Dataset Model 1: Nusiance Factors Versus Residuals



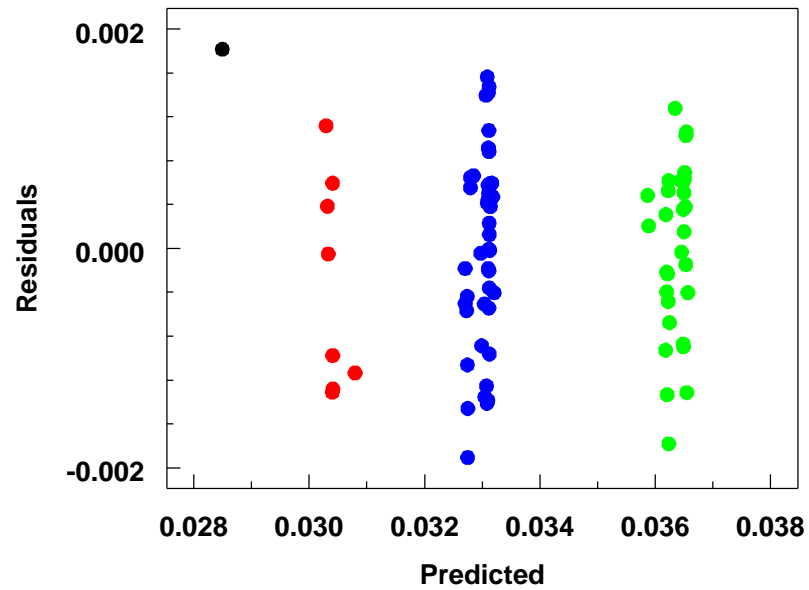
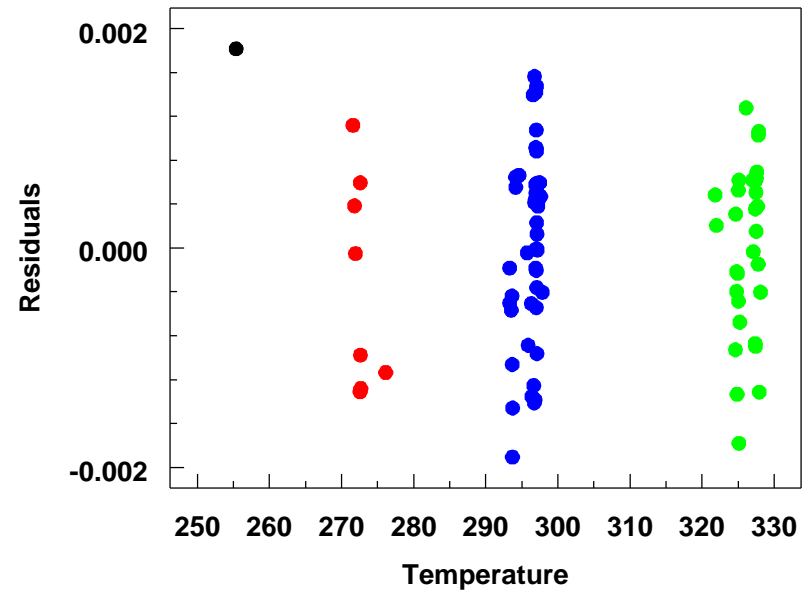
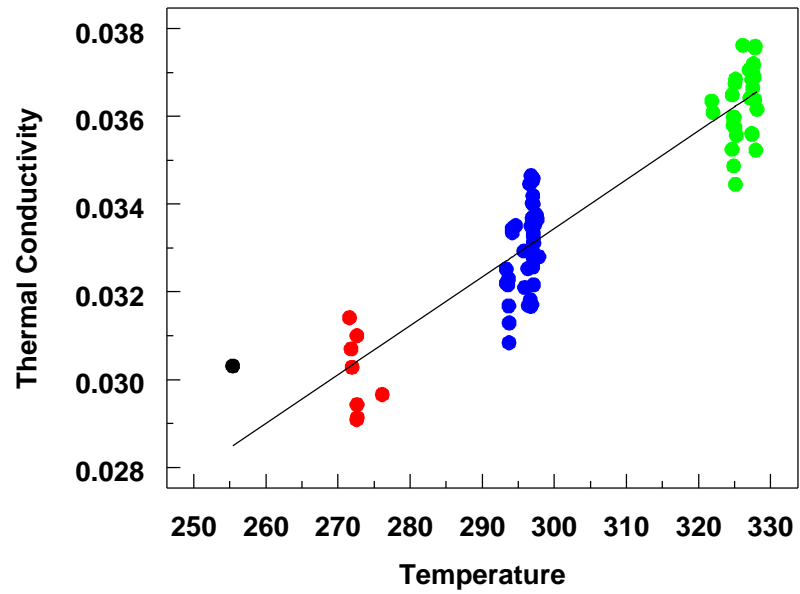
1959 Dataset Model 1: 4-Plot of the Residuals



PPCC = 0.9893

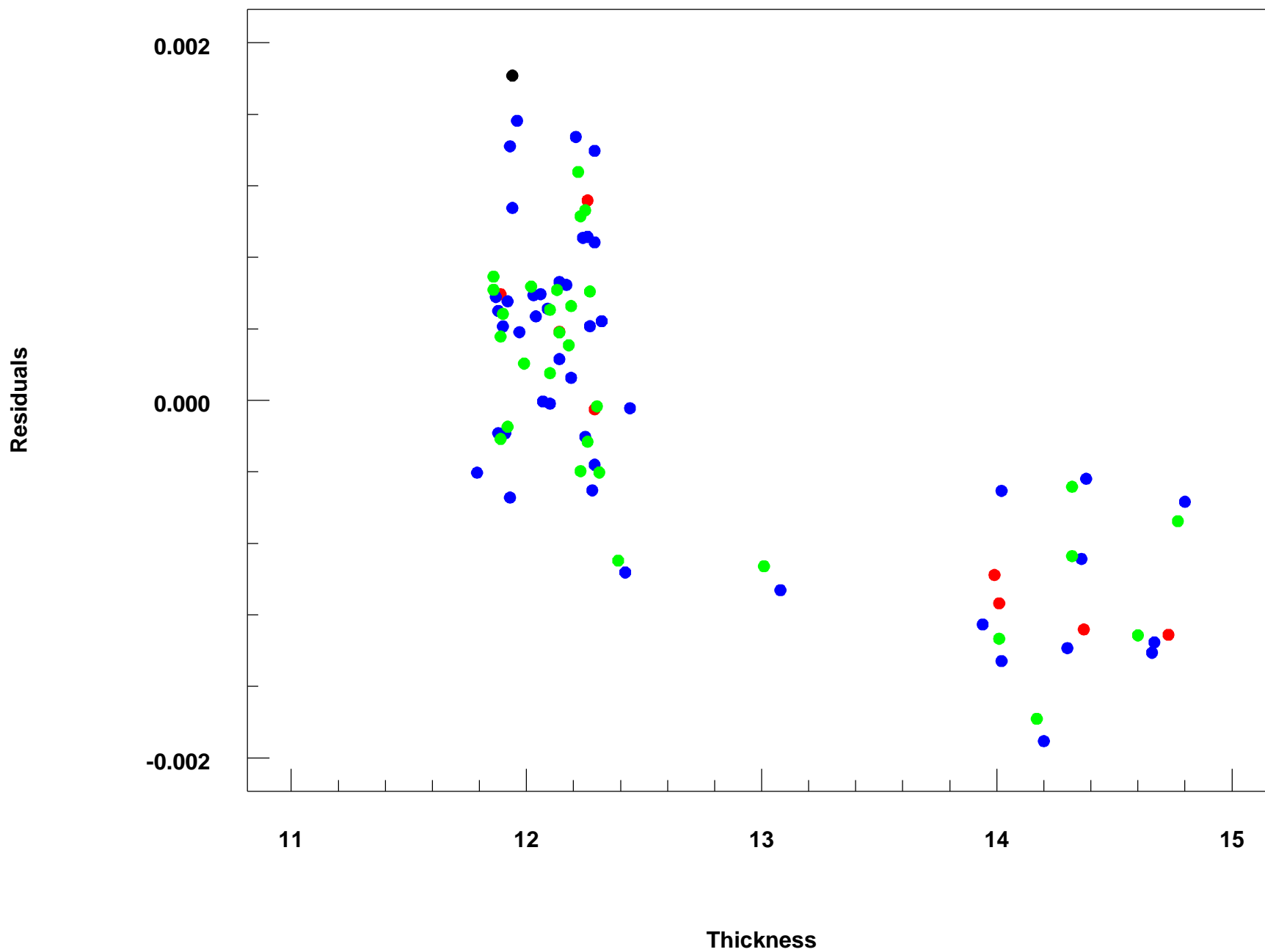
1959 Dataset Model 2: $k = 0.0001489136 + 0.0001109864 \cdot t$

RESSD: 0.0008657908, BIC: -1177.876257

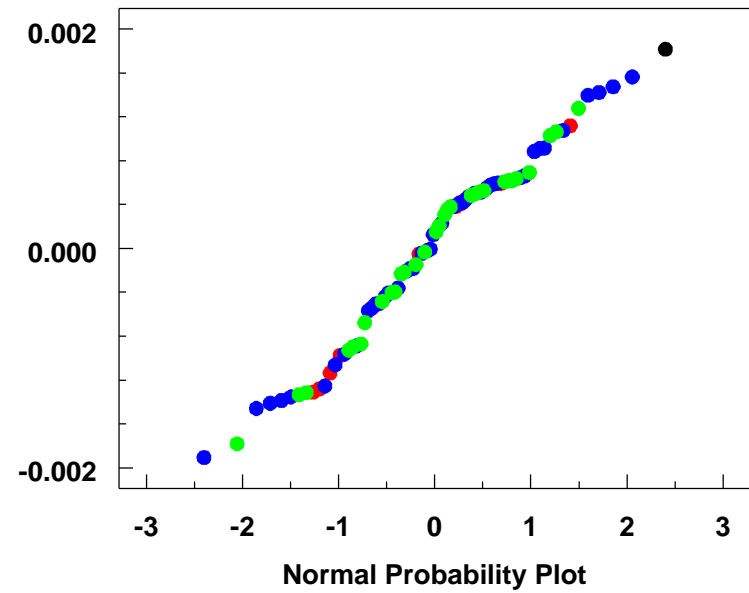
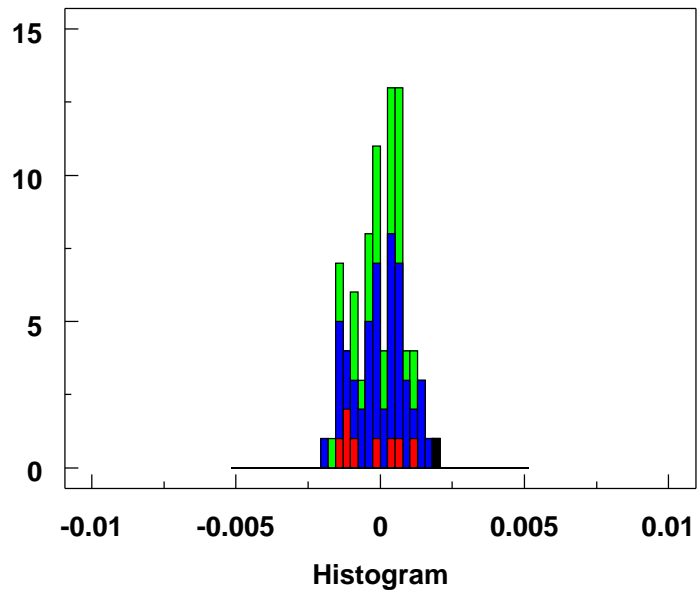
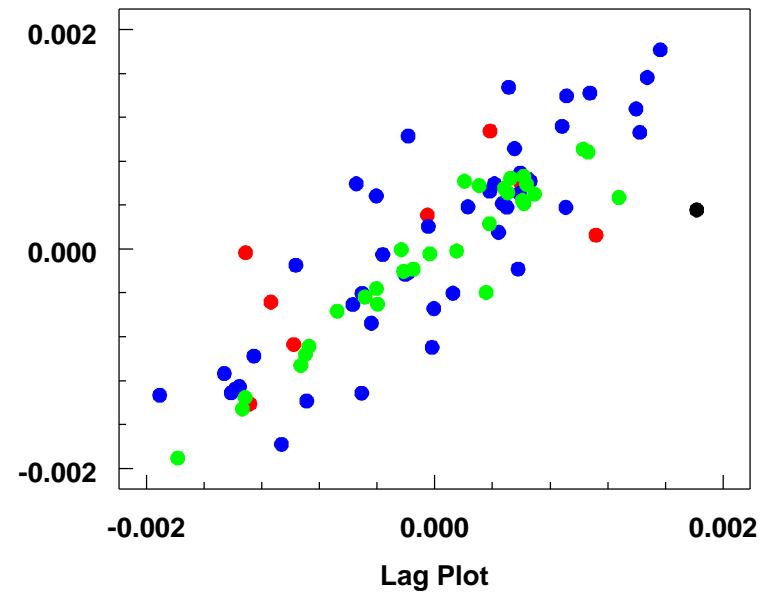
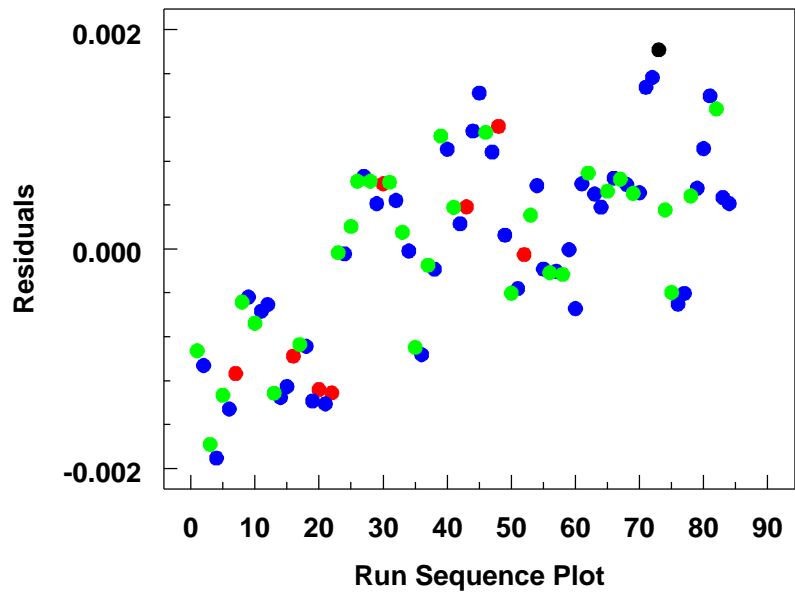


- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

1959 Dataset Model 2: Nusiance Factors Versus Residuals



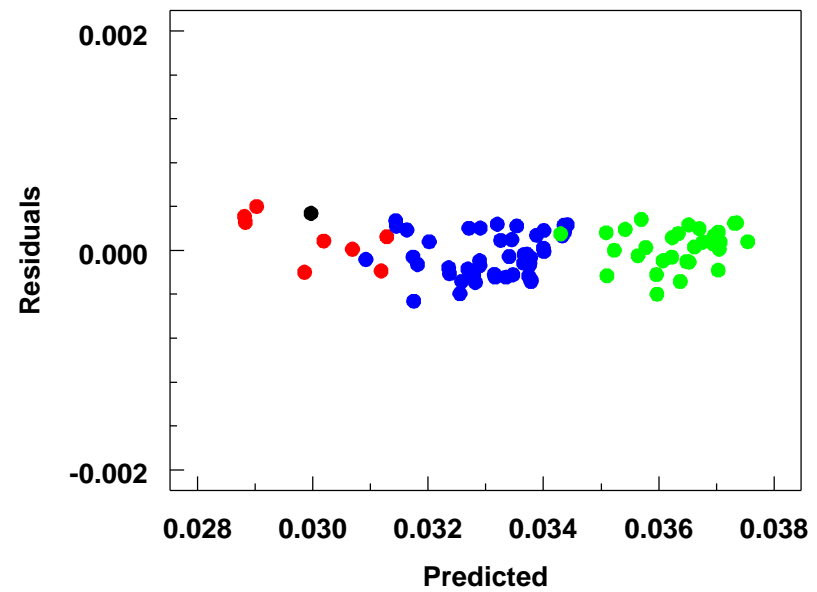
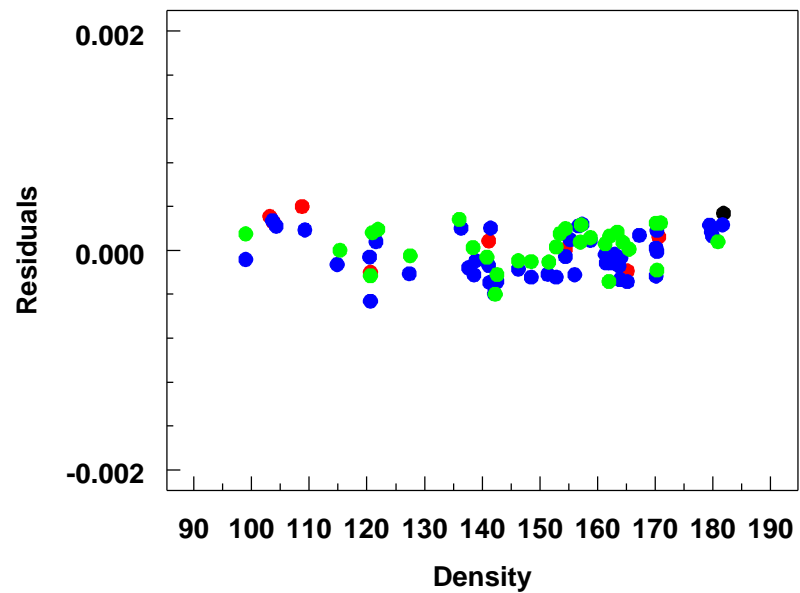
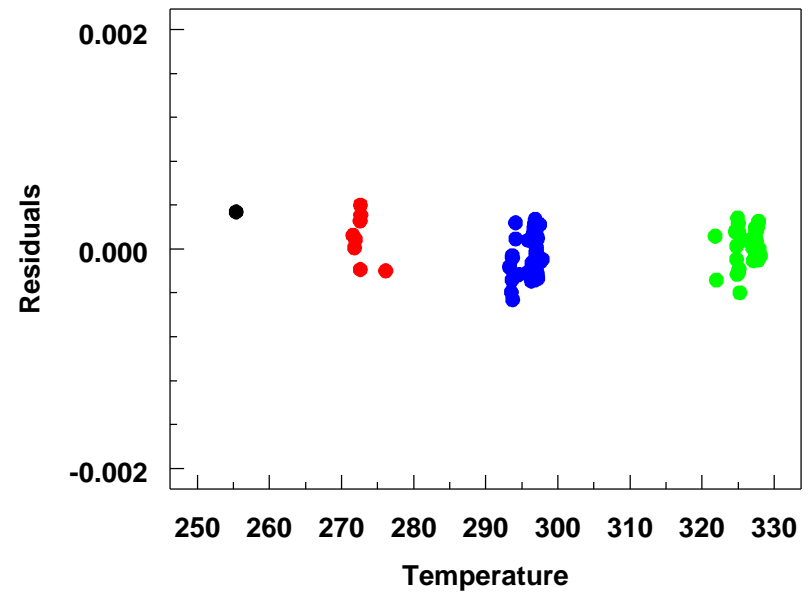
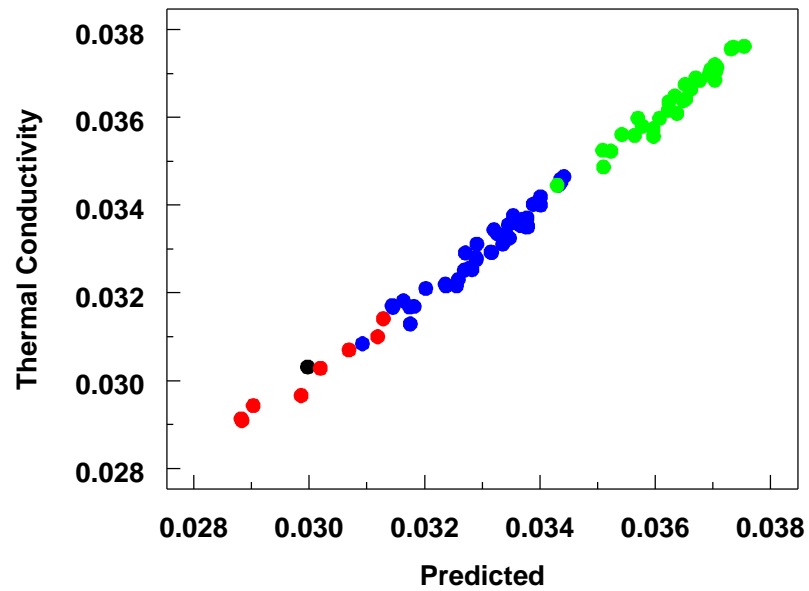
1959 Dataset Model 2: 4-Plot of the Residuals



PPCC = 0.9891

1959 Dataset Model 3: $k = -0.004454742 + 0.0001075465 \cdot t + 0.0000382843 \cdot d$

RESSD: 0.0001996184, BIC: -1420.971701



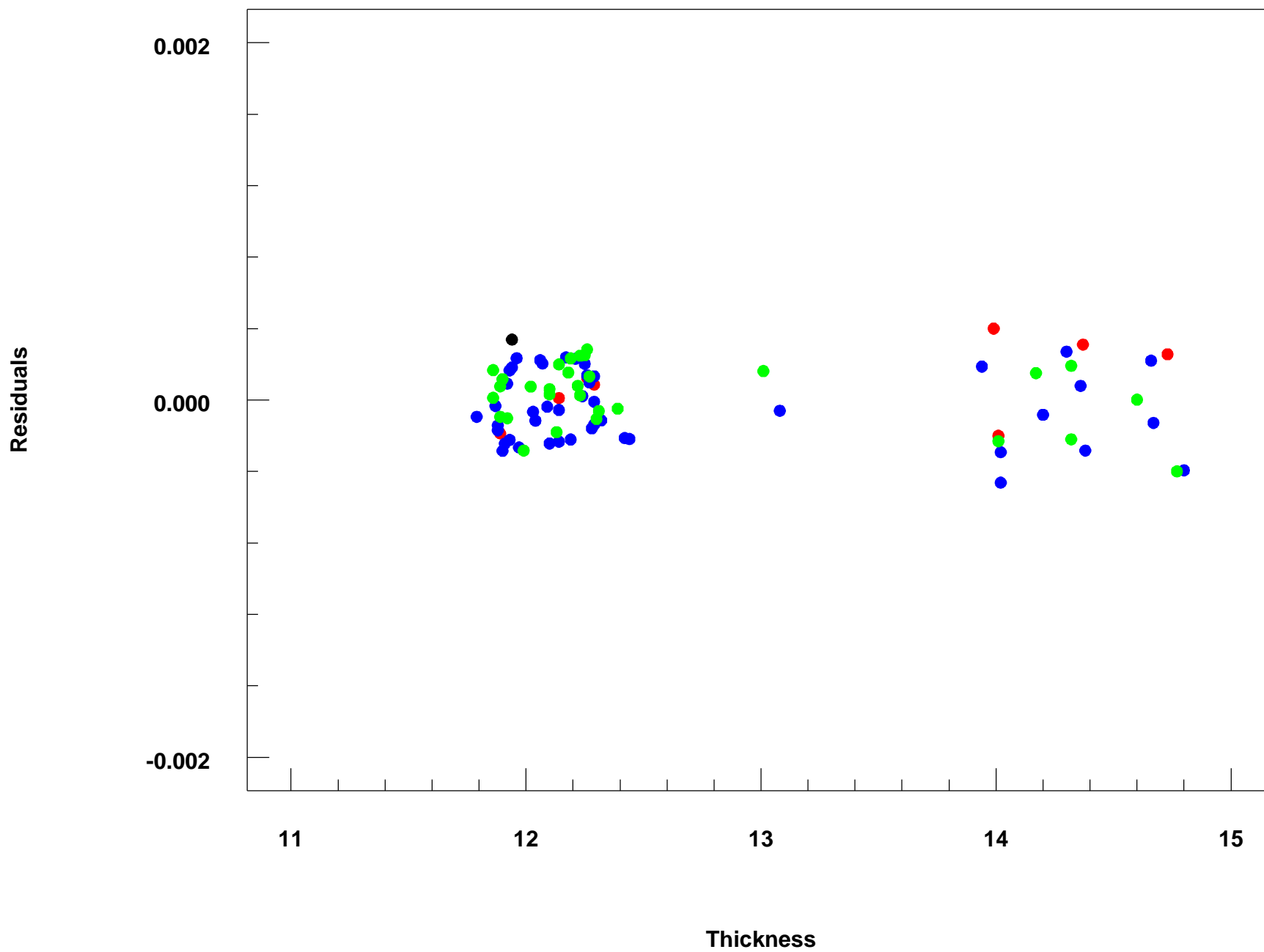
● - Temperature < 260

● - 260 < Temperature < 280

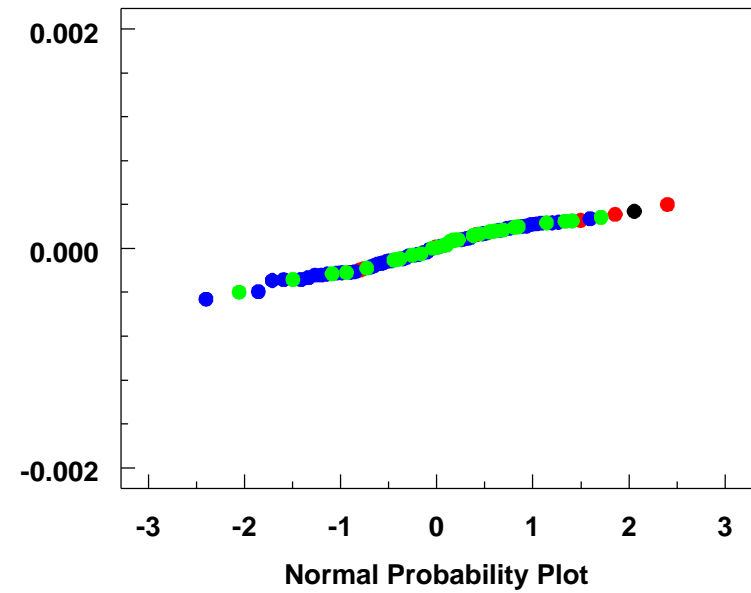
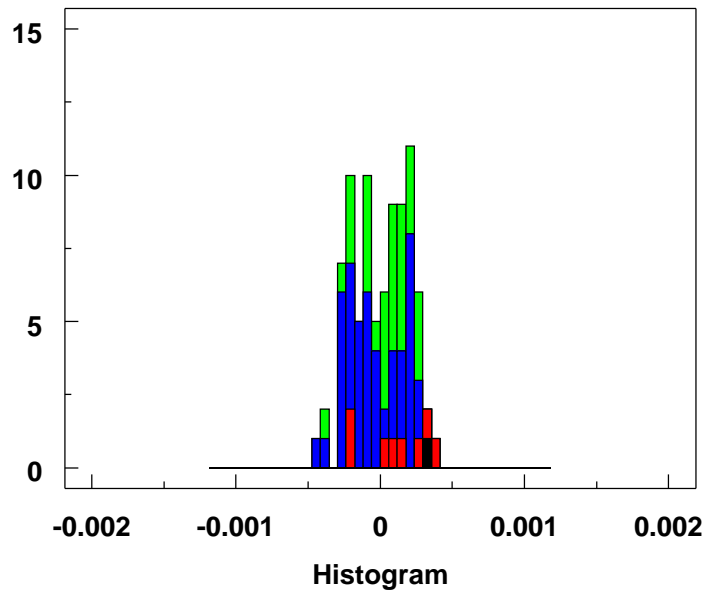
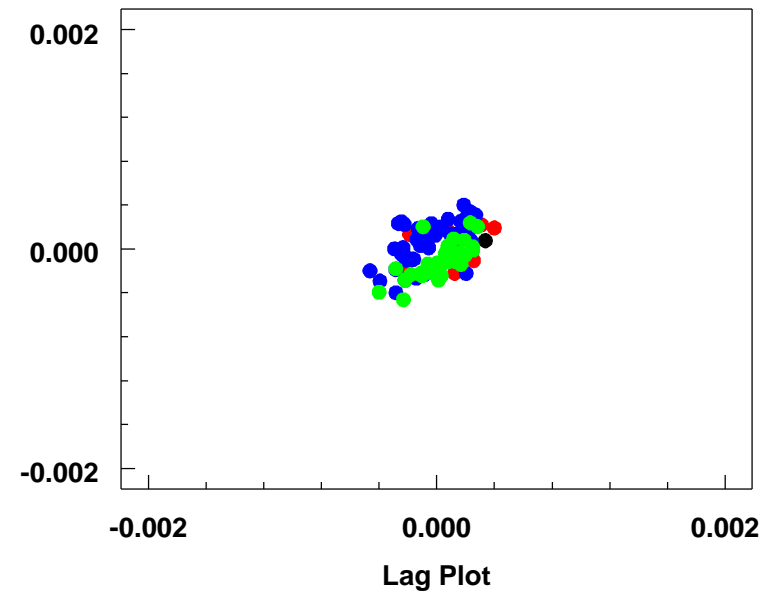
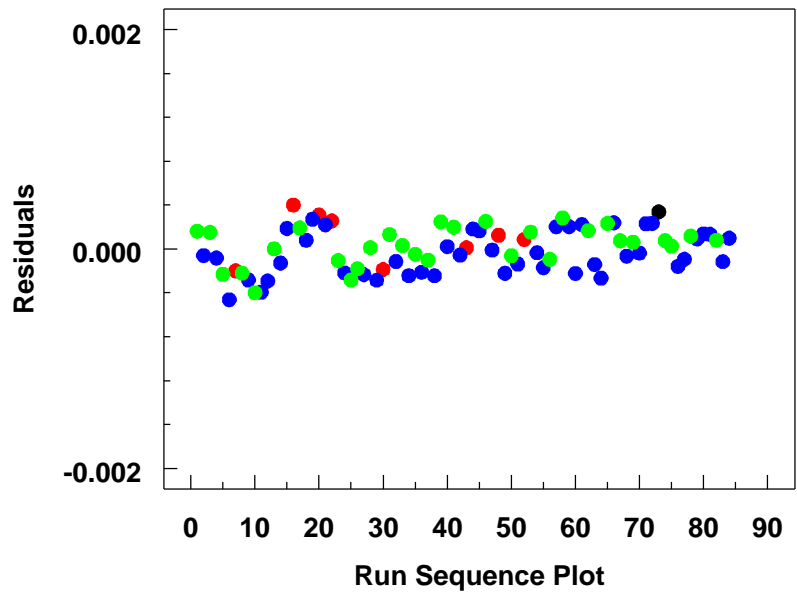
● - 285 < Temperature < 305

● - Temperature > 305

1959 Dataset Model 3: Nuisance Factors Versus Residuals



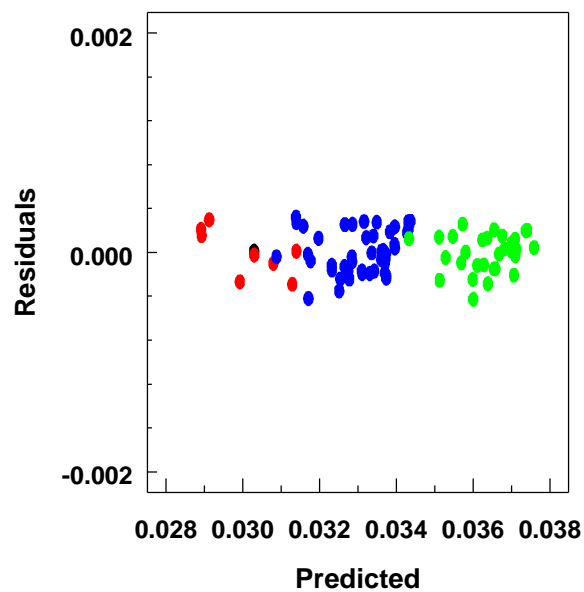
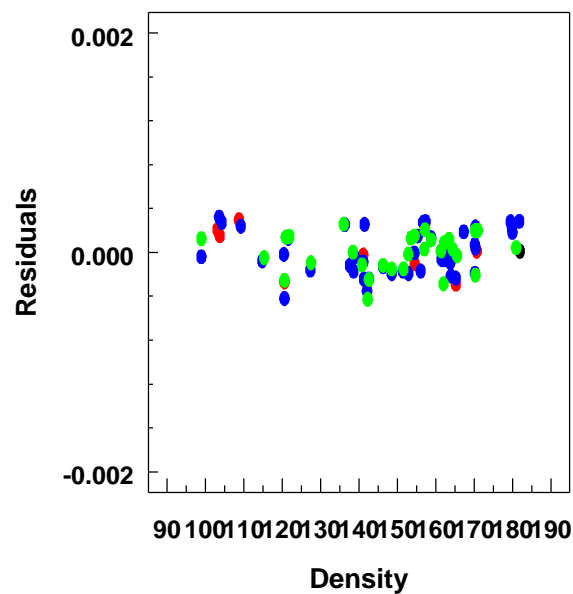
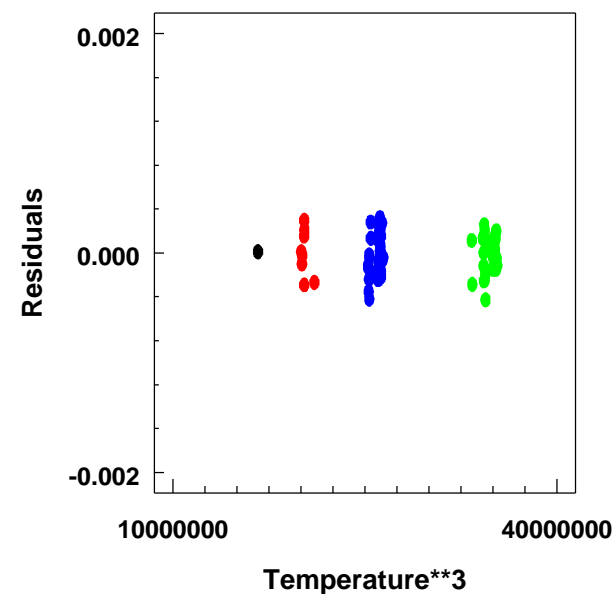
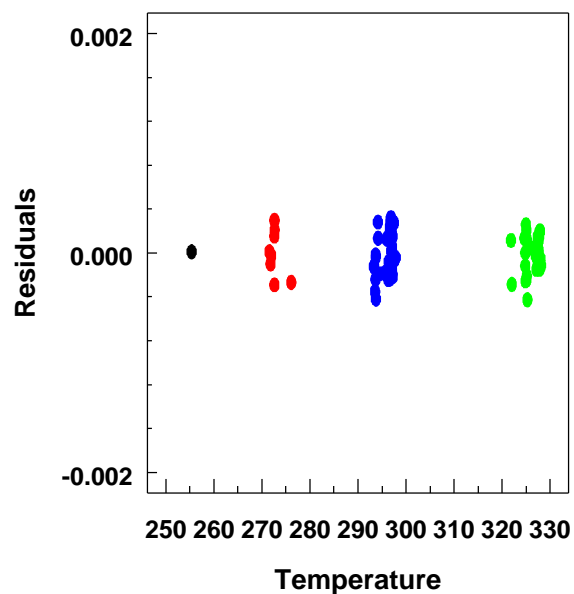
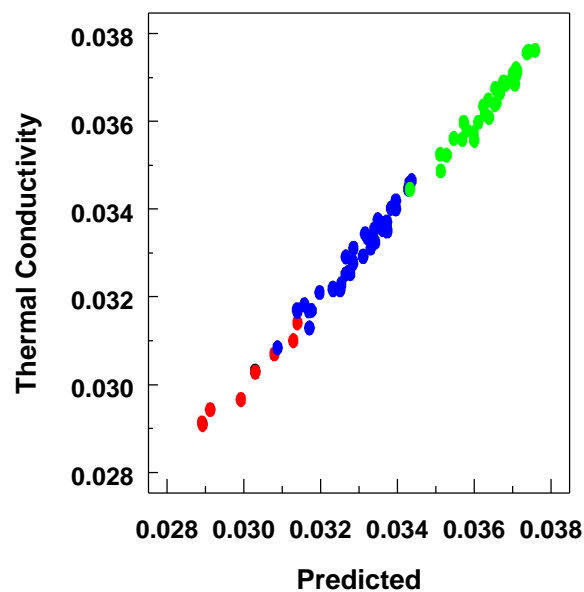
1959 Dataset Model 3: 4-Plot of the Residuals



PPCC = 0.9882

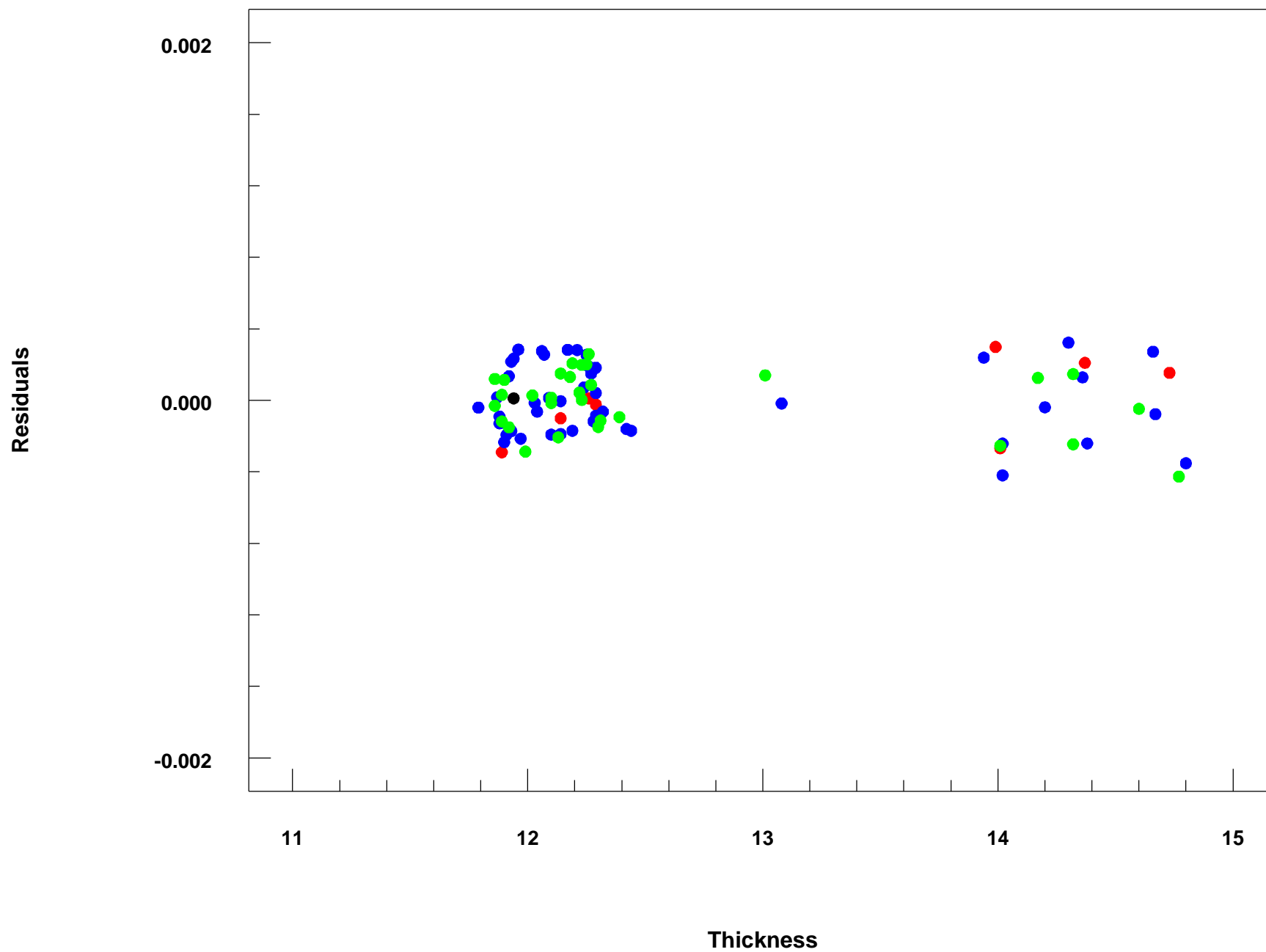
1959 Dataset Model 4: $k = 0.006296364 + 0.000054086 \cdot t + 0.0000383094 \cdot d + 0 \cdot t^3$

RESSD: 0.000189858, BIC: -1426.00653

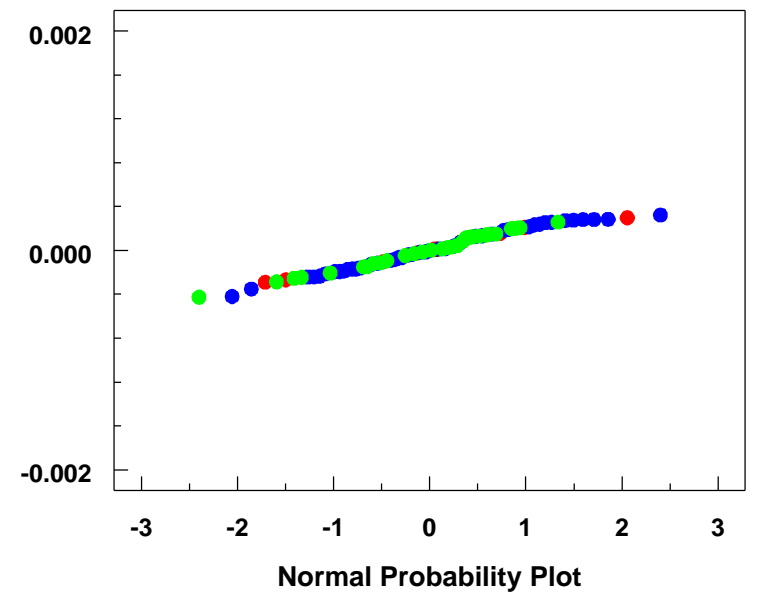
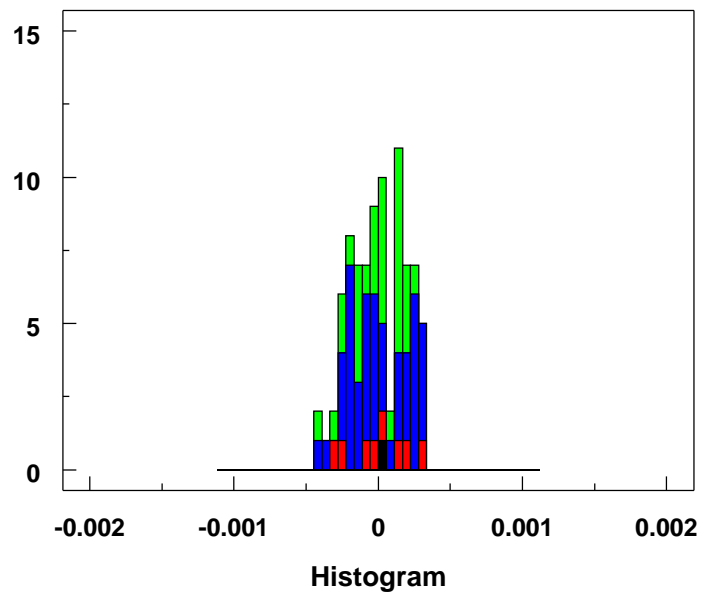
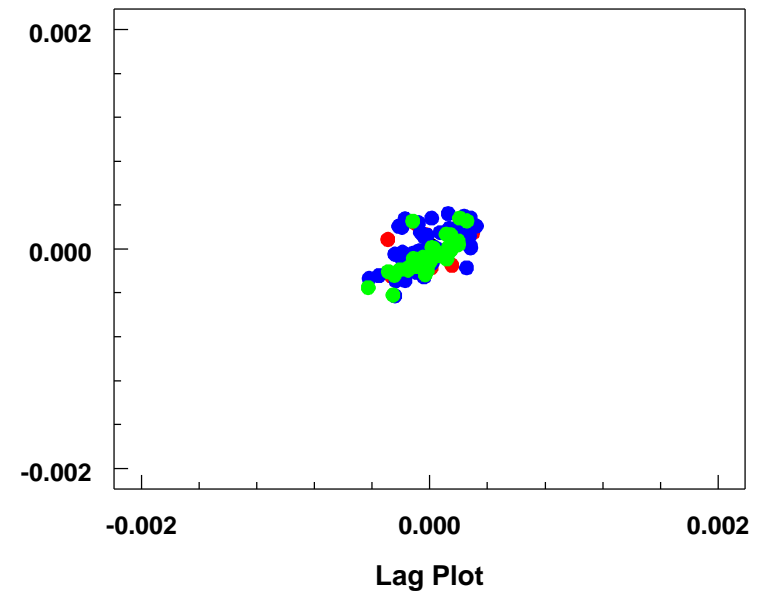
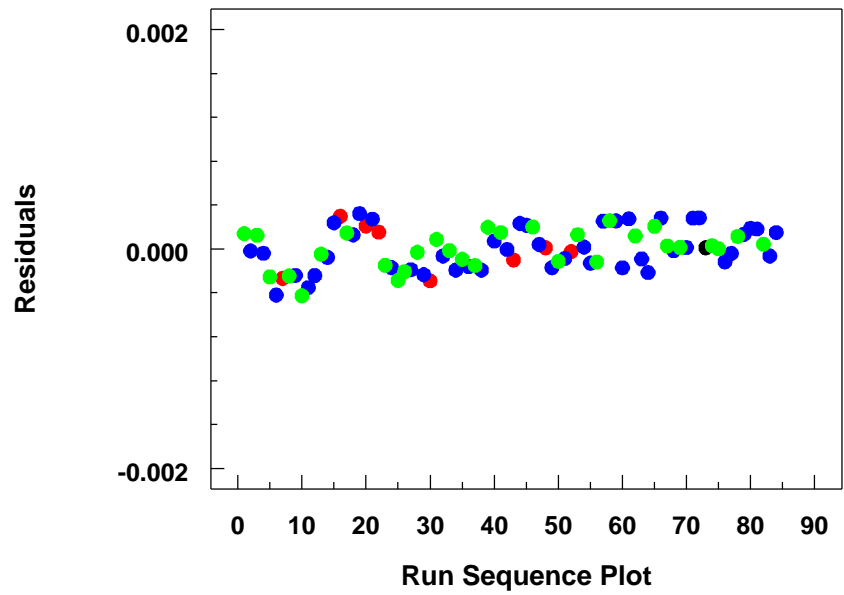


- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

1959 Dataset Model 4: Nusiance Factors Versus Residuals



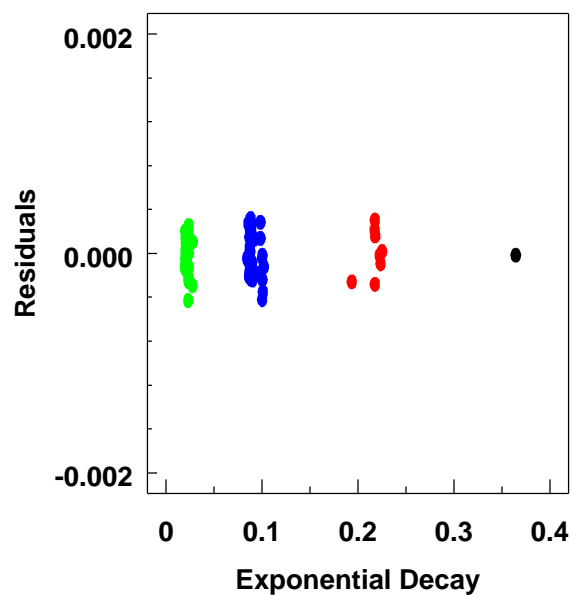
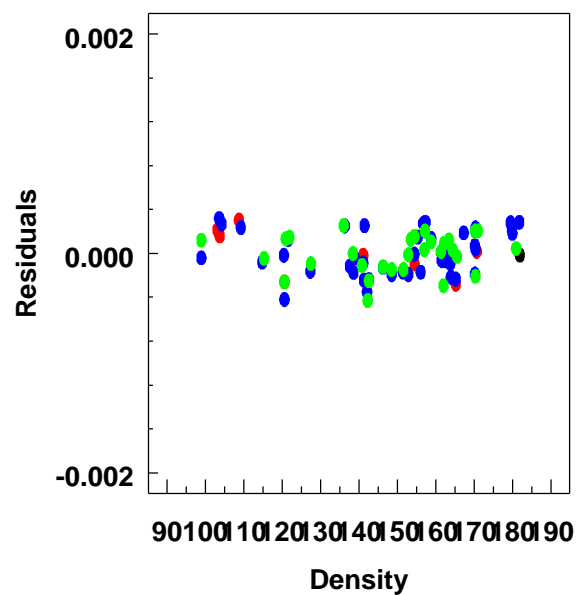
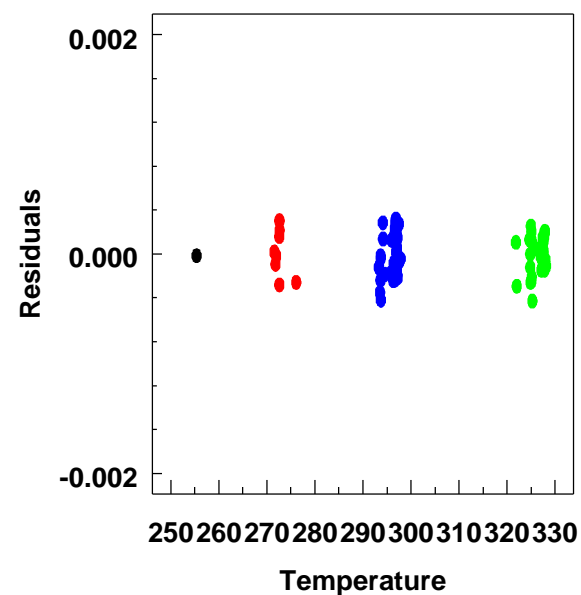
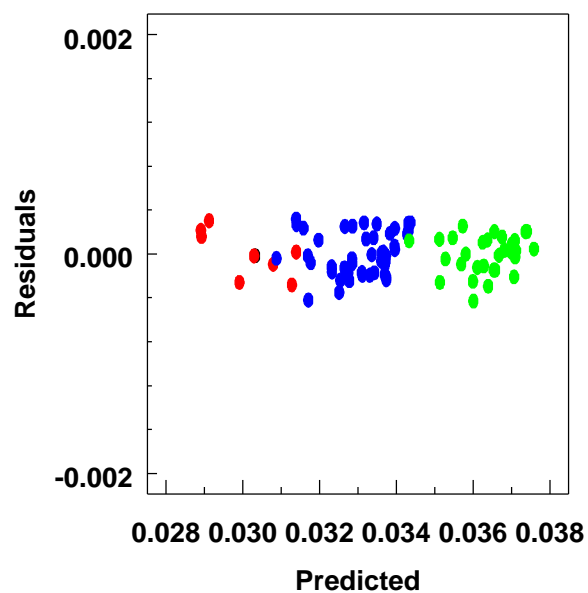
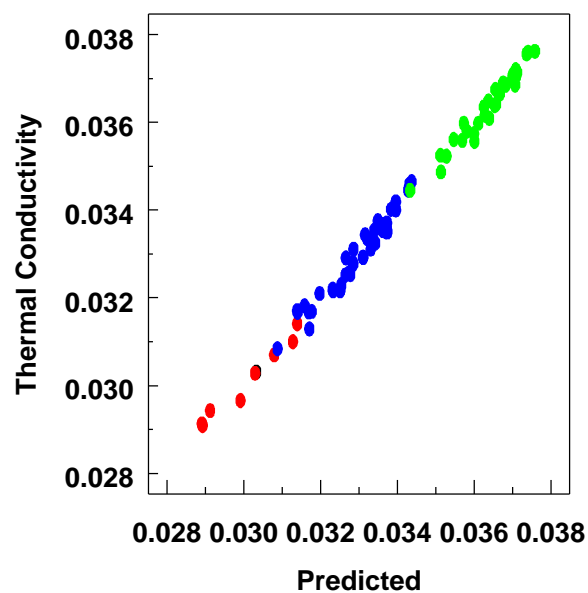
1959 Dataset Model 4: 4-Plot of the Residuals



PPCC = 0.989

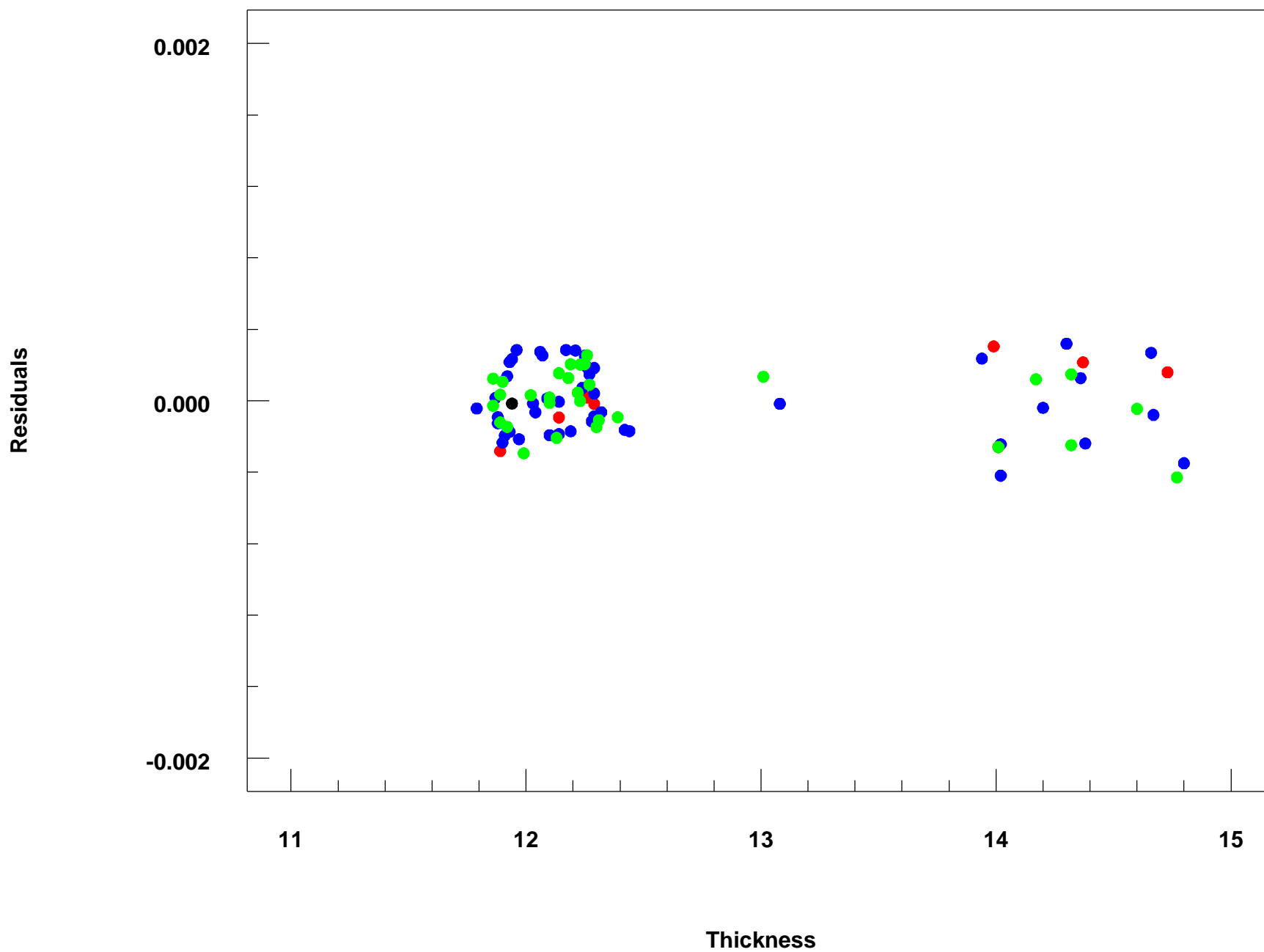
1959 Dataset Model 5: $k = -0.007530922 + 0.000116902 \cdot t + 0.0000382557 \cdot d + 0.002873 \cdot e1$

RESSD: 0.0001897964, BIC: -1426.060941

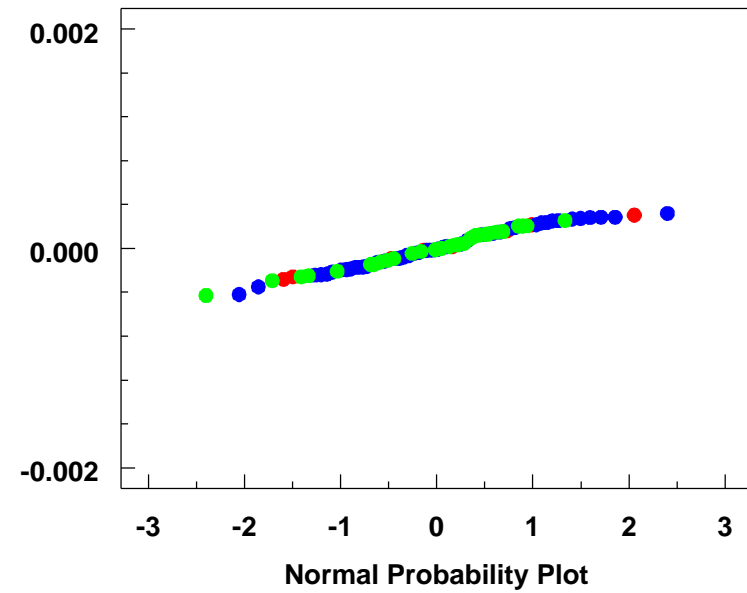
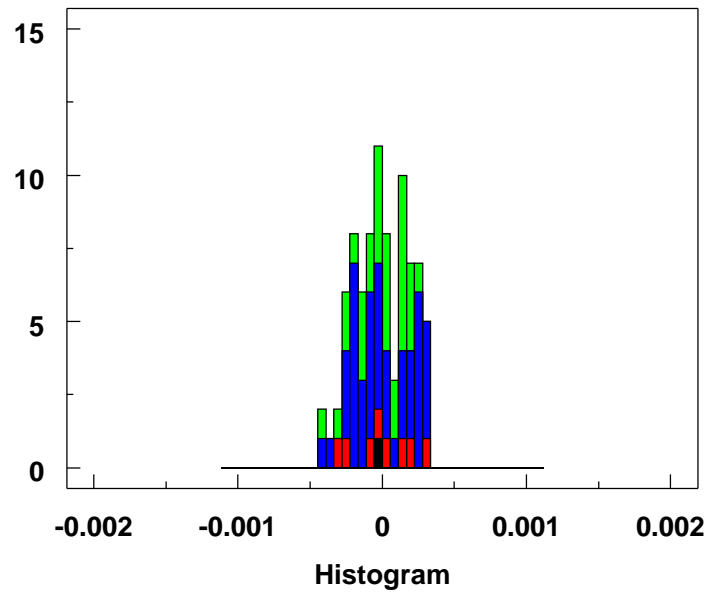
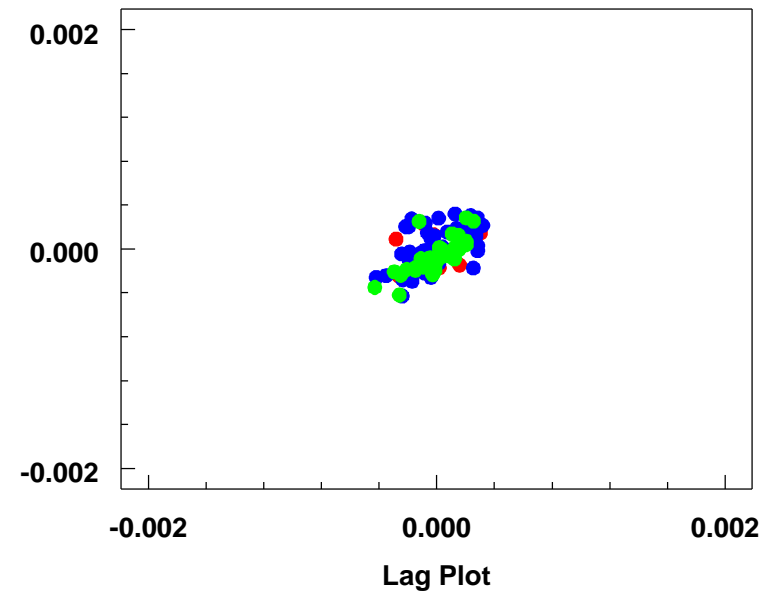
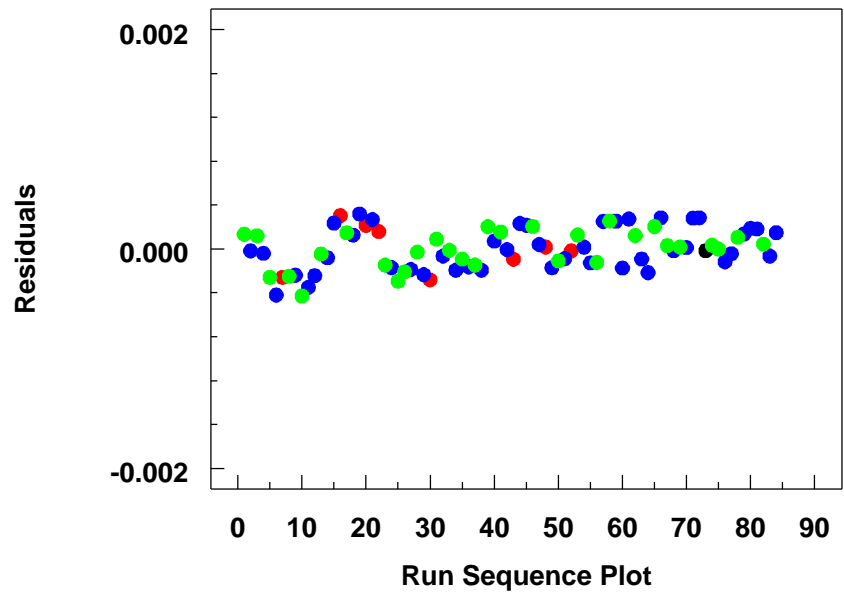


- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

1959 Dataset Model 5: Nuisance Factors Versus Residuals

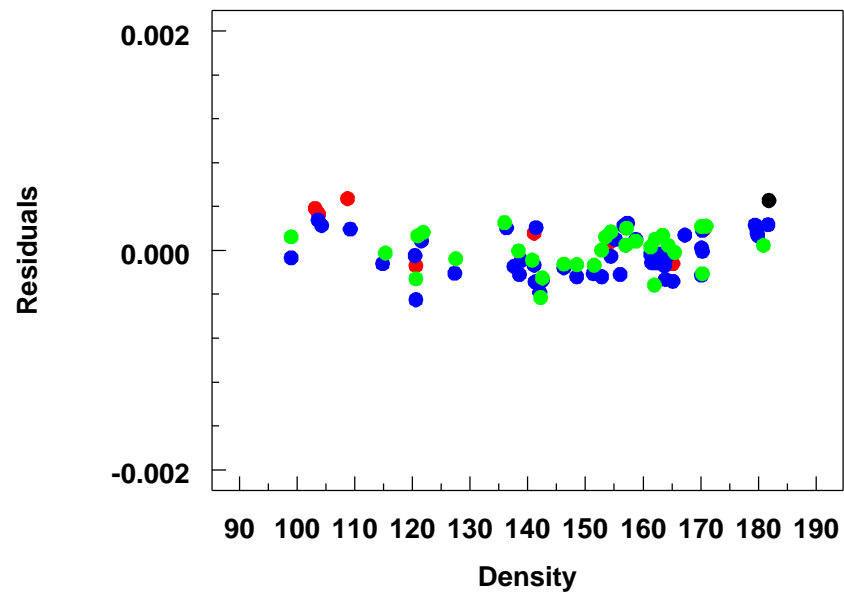
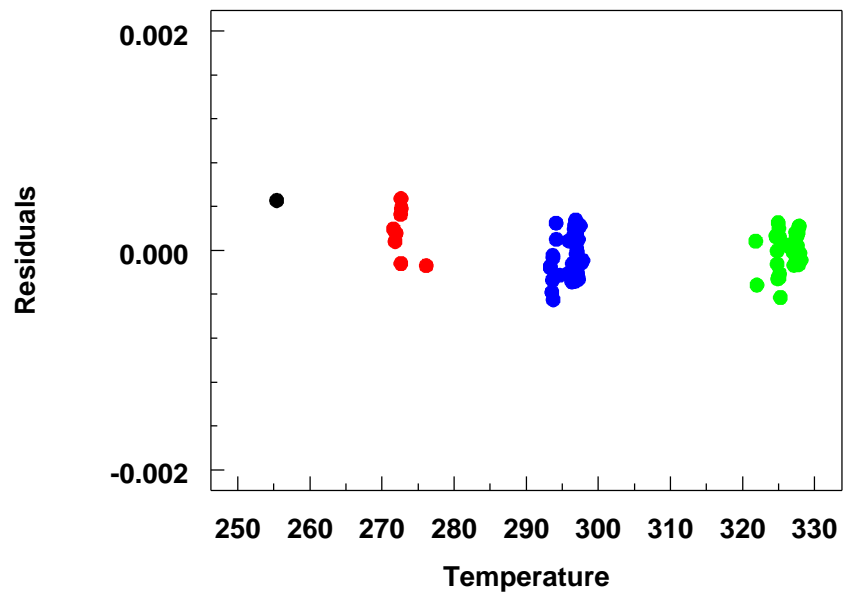
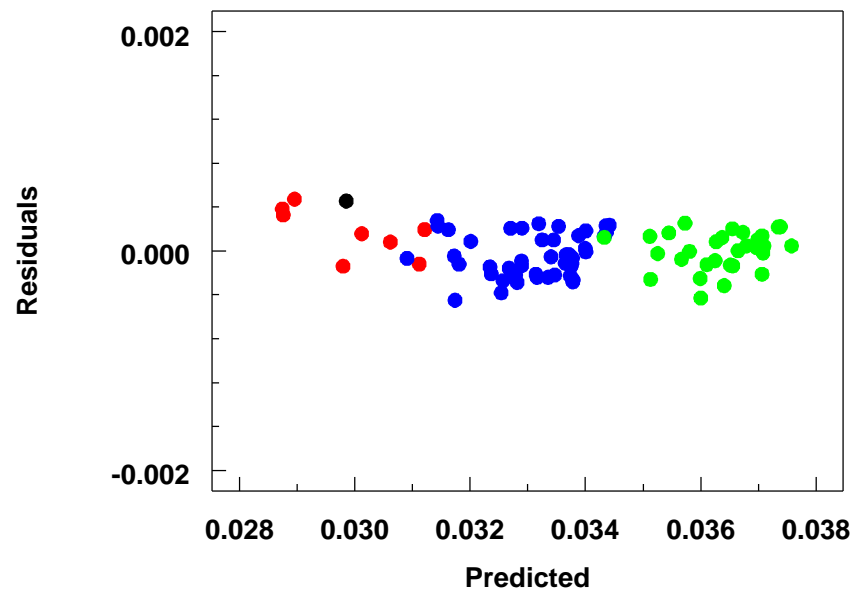
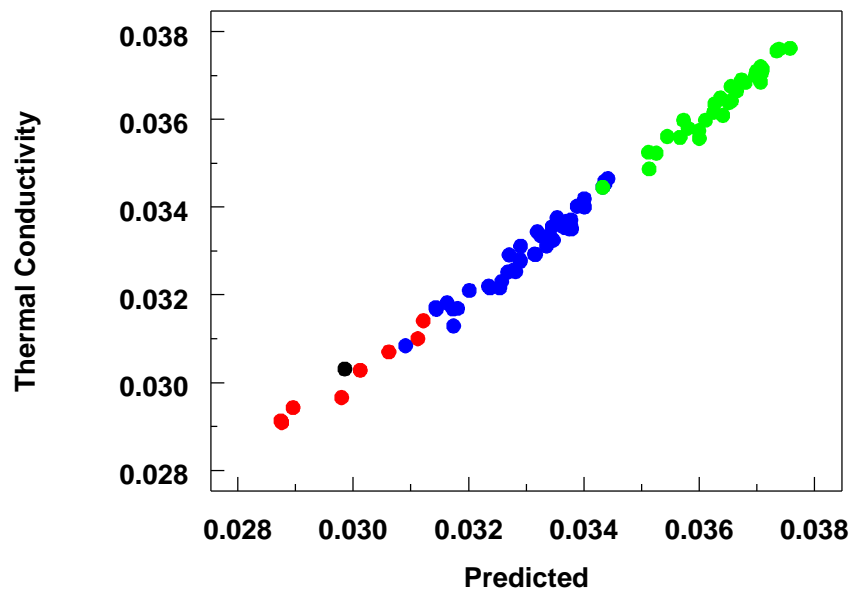


1959 Dataset Model 5: 4-Plot of the Residuals



PPCC = 0.9891

1959 Dataset Model 5a: $k = -0.005367532 + 0.0001106066 \cdot t + 0.0000383623 \cdot d +$
 $-0.075473839 \cdot \text{EXP}(-((t-566.88953057)/-90.8140994)**2)$ (RESSD: 0.000209258, BIC: -1402.926625)



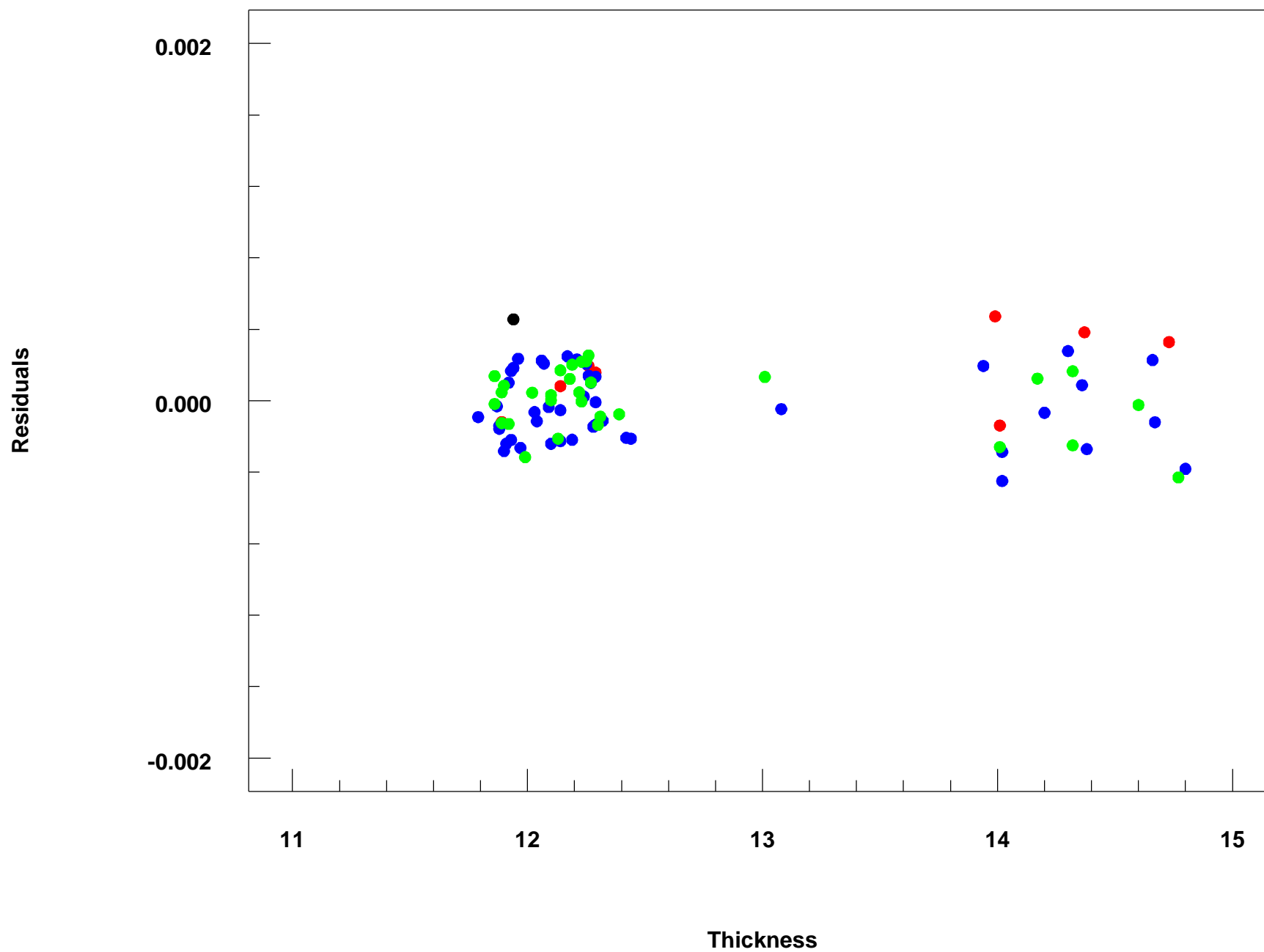
● - Temperature < 260

● - 260 < Temperature < 280

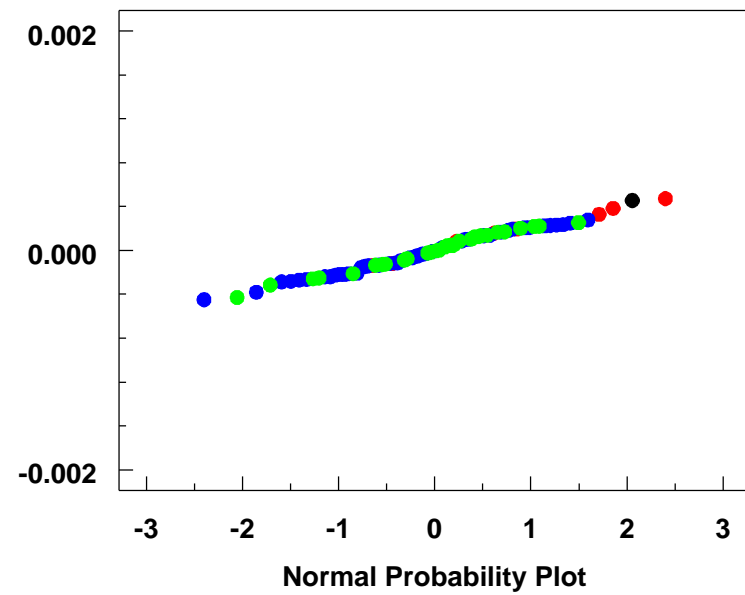
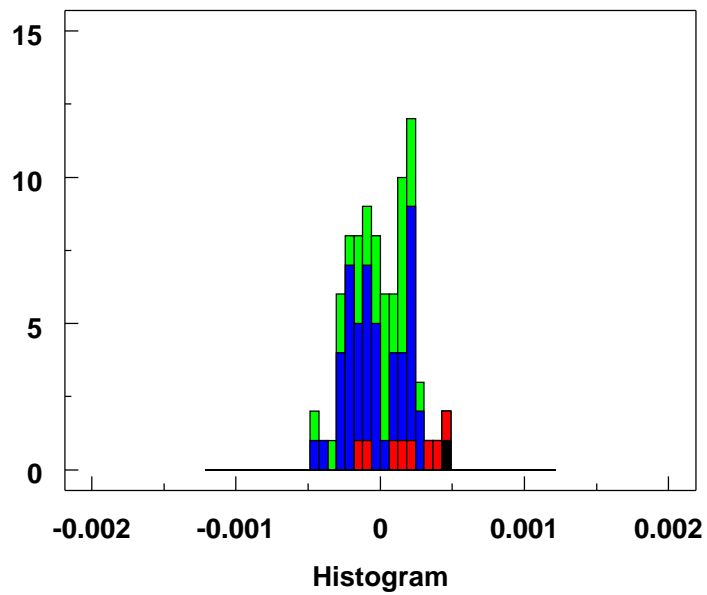
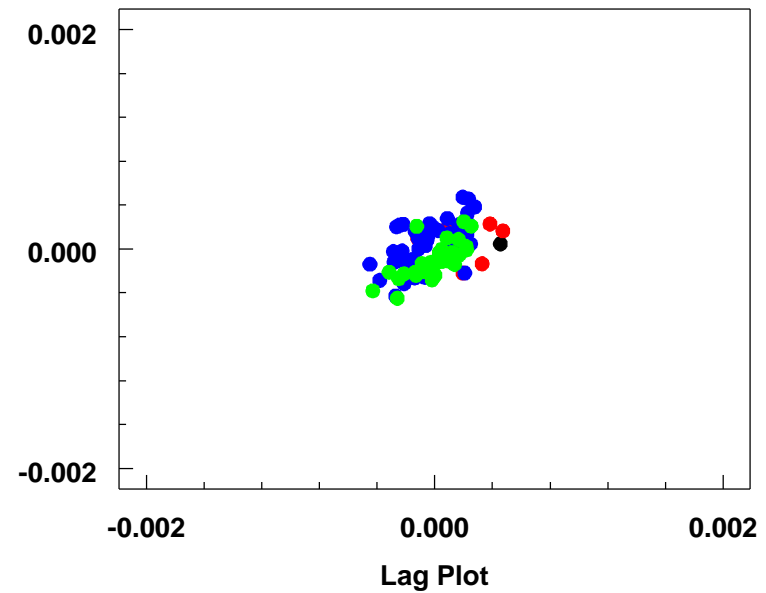
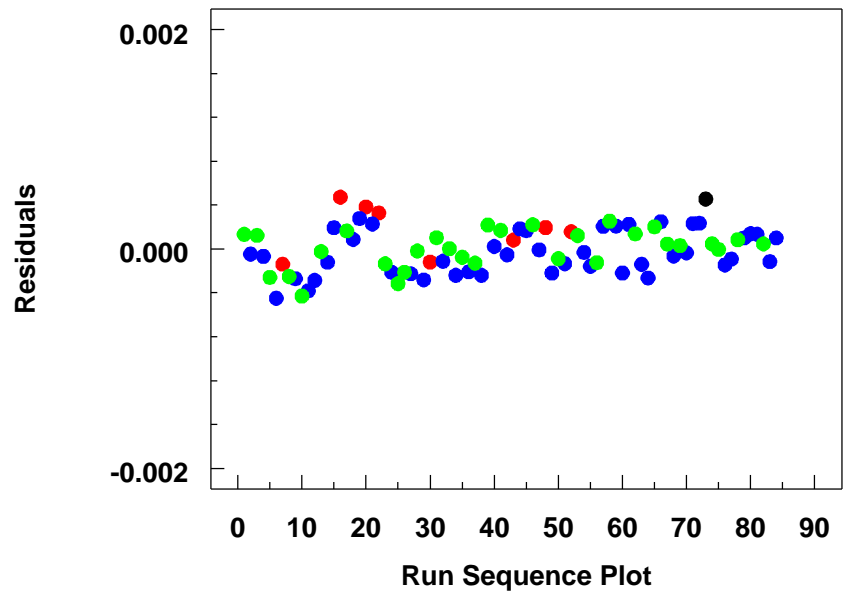
● - 285 < Temperature < 305

● - Temperature > 305

1959 Dataset Model 5a: Nuisance Factors Versus Residuals



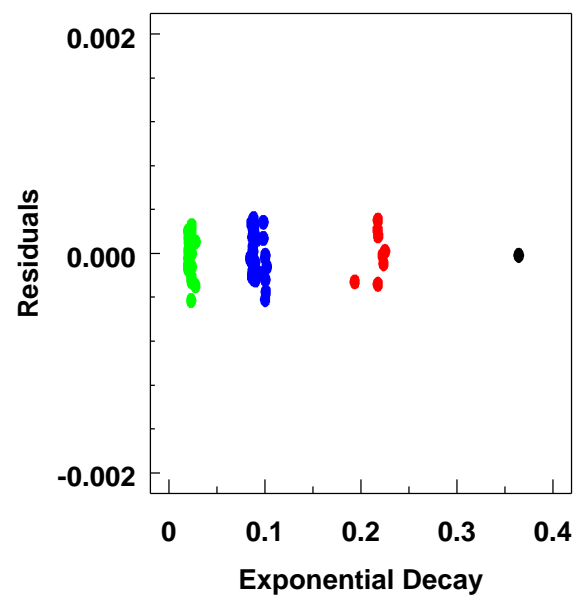
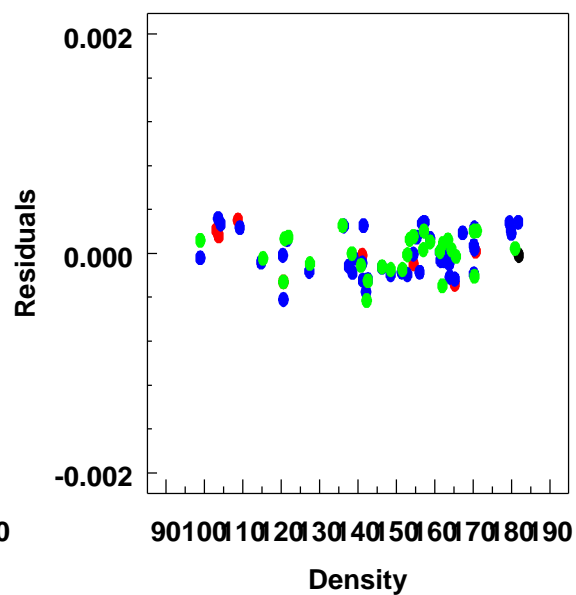
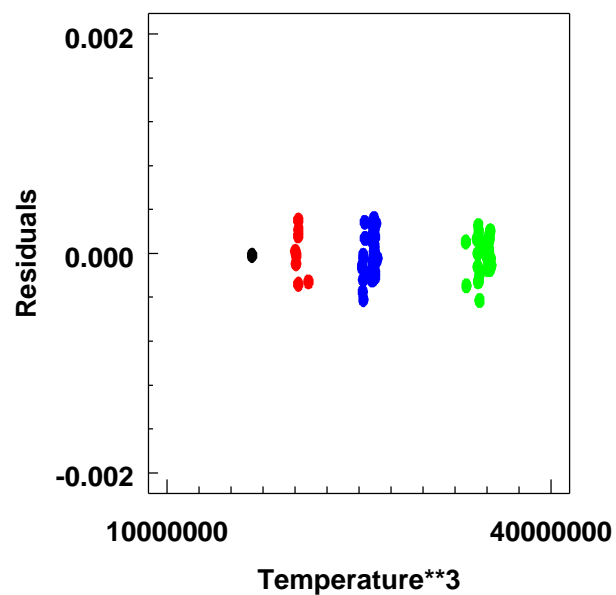
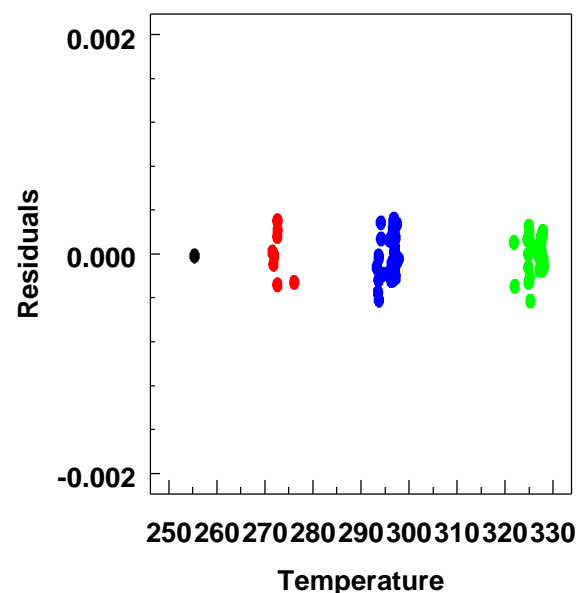
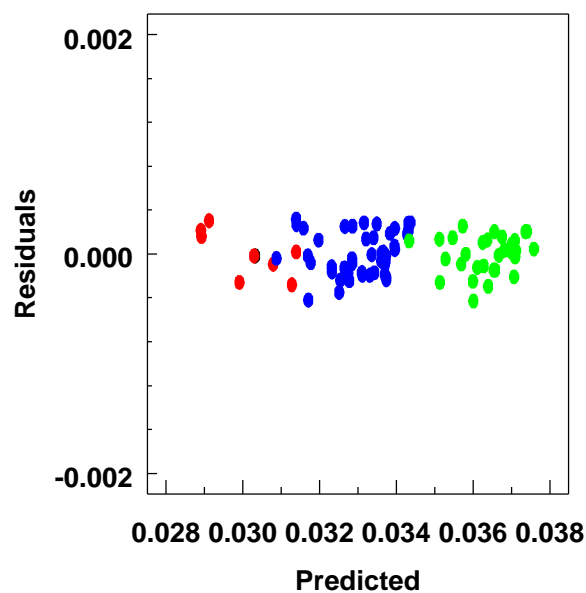
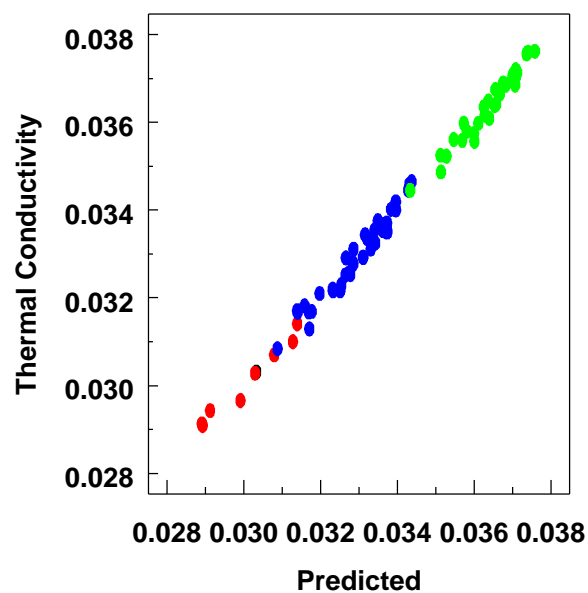
1959 Dataset Model 5a: 4-Plot of the Residuals



PPCC = 0.993

1959 Dataset Model 6: $k = 0.0339109524 + 0.0001109864 \cdot t + 0.0000382843 \cdot d + 0 \cdot t^{**3} + 0.0030261586 \cdot e1$

RESSD: 0.0001909937, BIC: -1421.630265



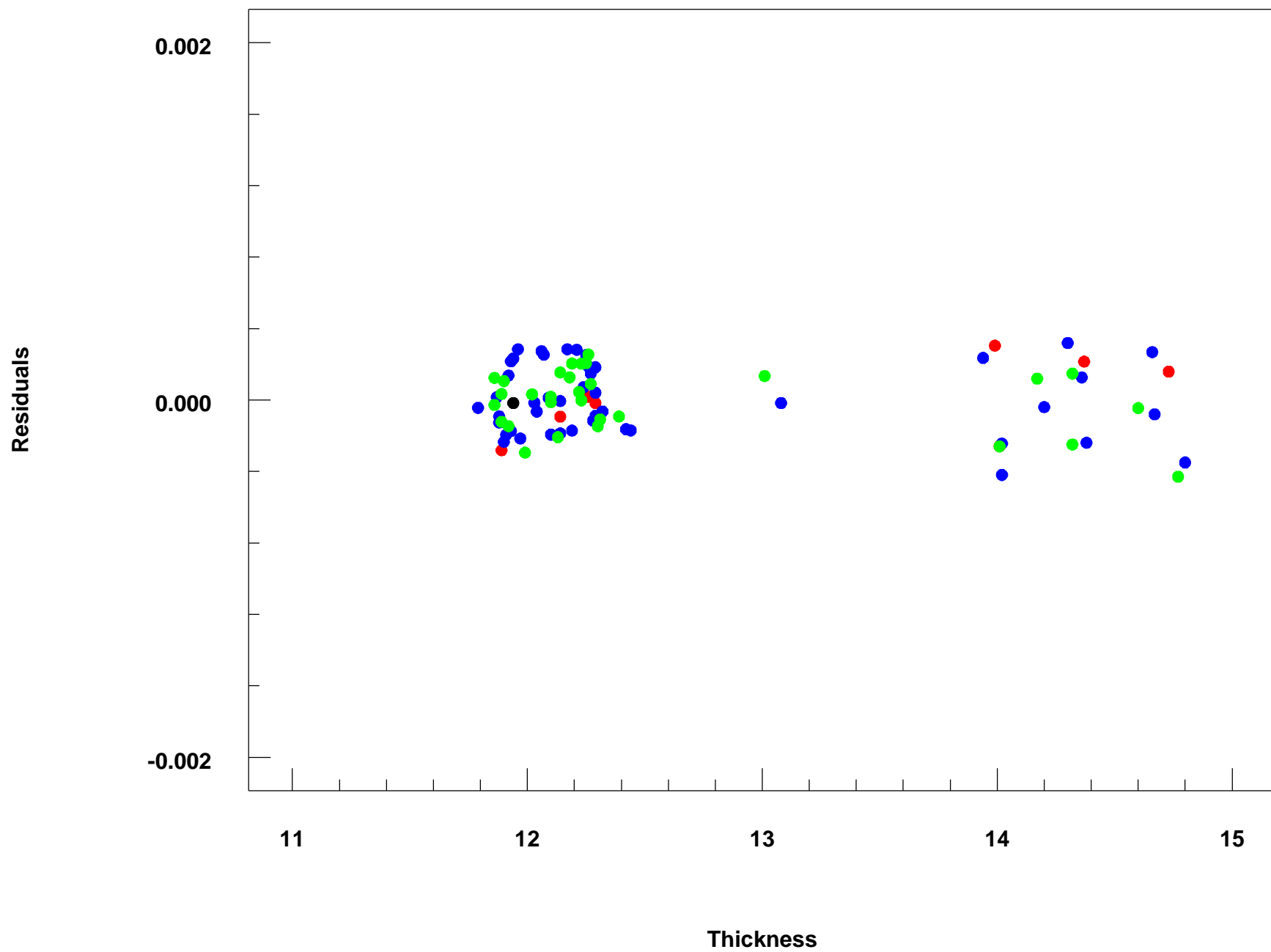
● - Temperature < 260

● - 260 < Temperature < 280

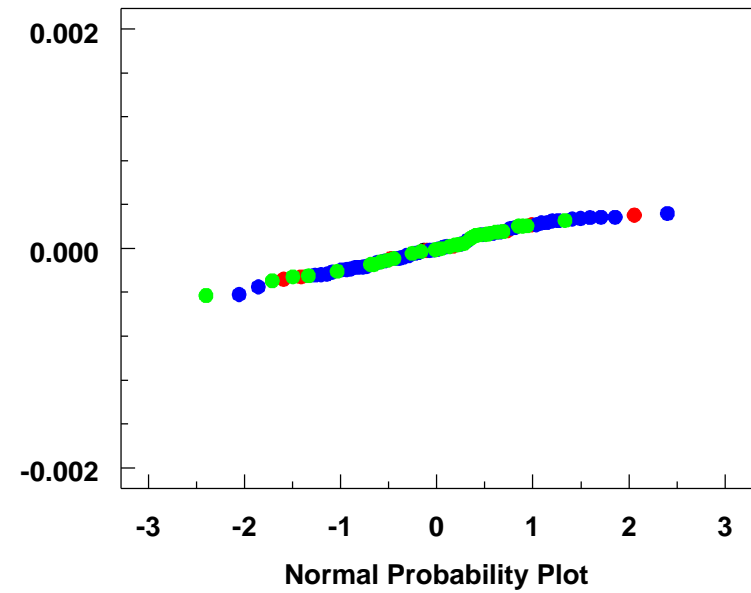
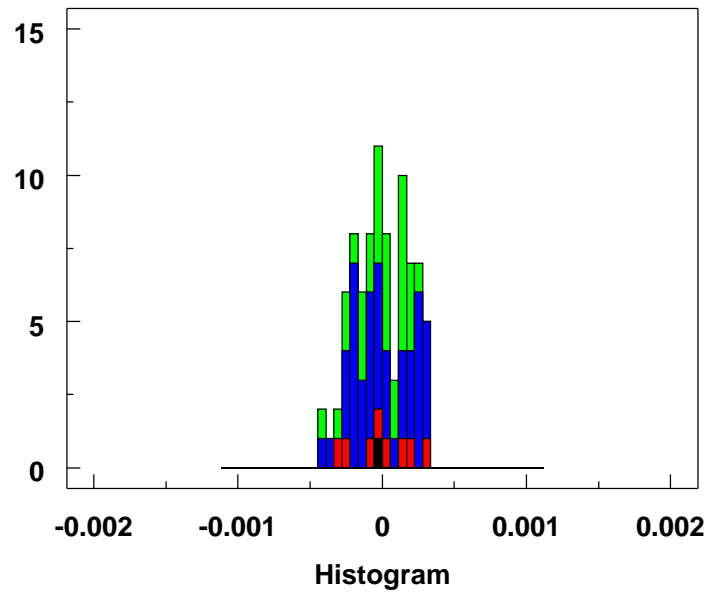
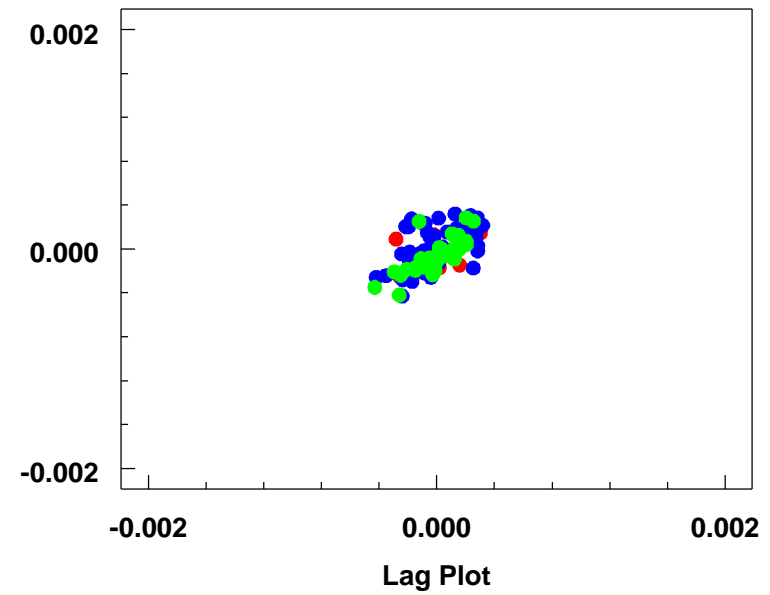
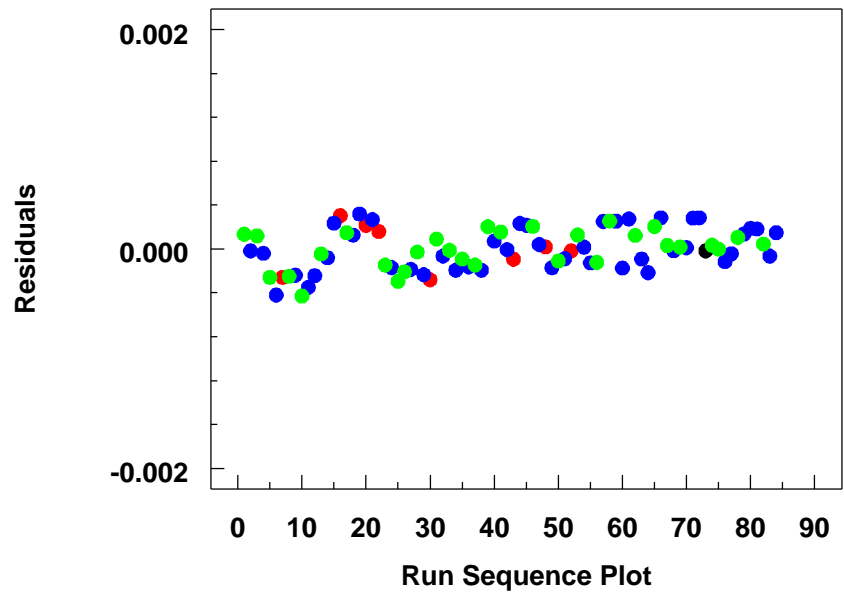
● - 285 < Temperature < 305

● - Temperature > 305

1959 Dataset Model 6: Nuisance Factors Versus Residuals

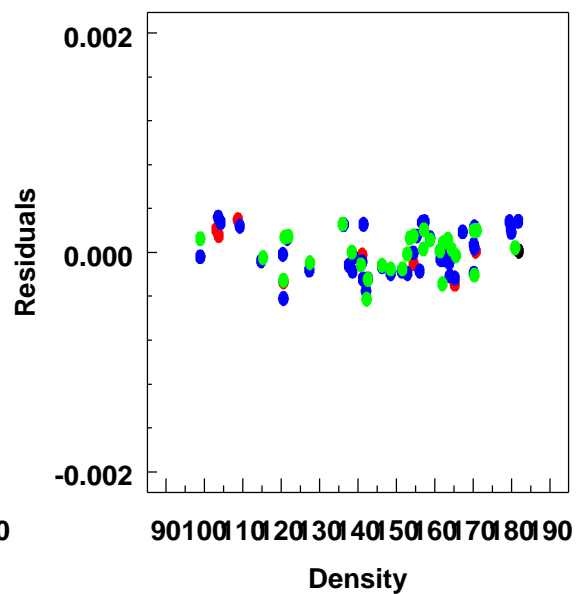
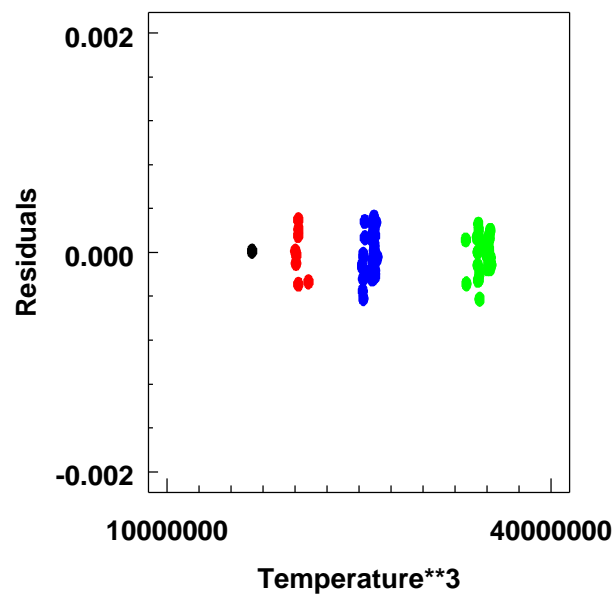
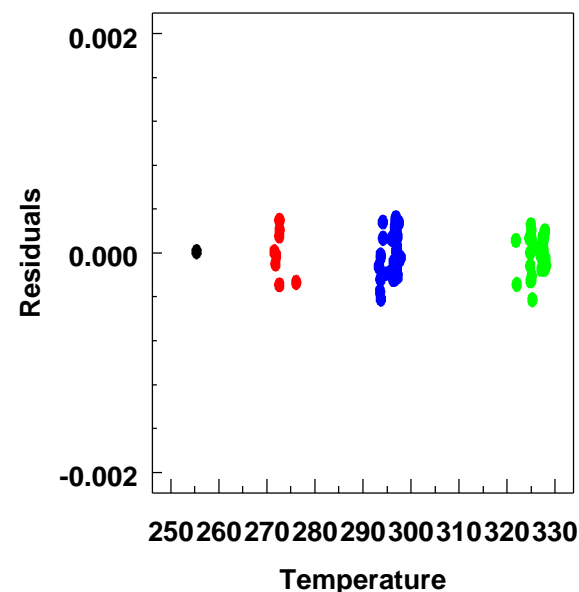
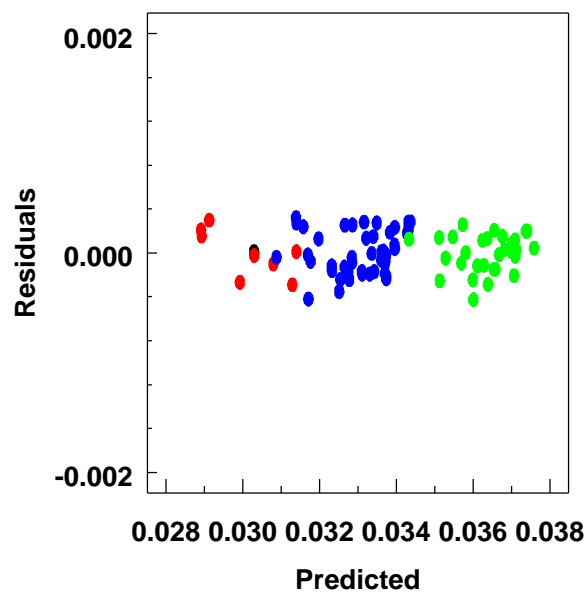
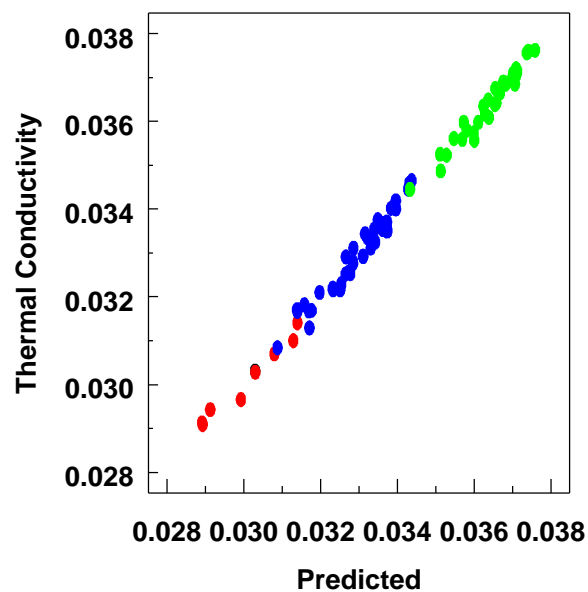


1959 Dataset Model 6: 4-Plot of the Residuals



PPCC = 0.9891

1959 Dataset Model 6a: $k = 0.0062678788 + 0.0000542256 \cdot t + 0.0000383093 \cdot d + 0 \cdot t^{**3} +$
 $-50.84617802 \cdot \text{EXP}(-((t-3374.5781972)/-761.2059028)^{**2})$ (RESSD: 0.0001935212, BIC: -1412.714023)

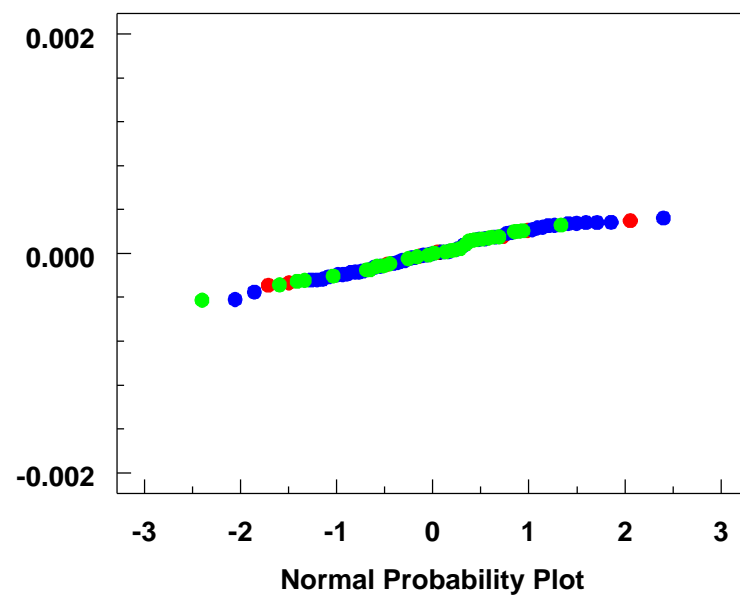
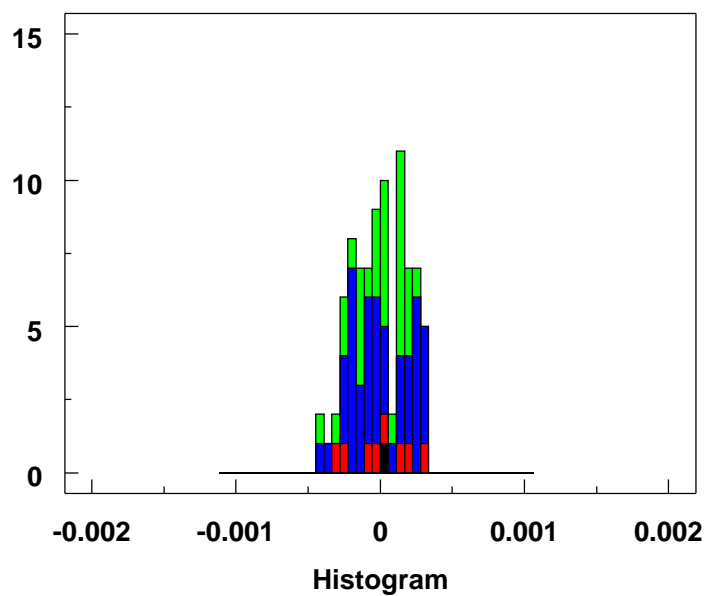
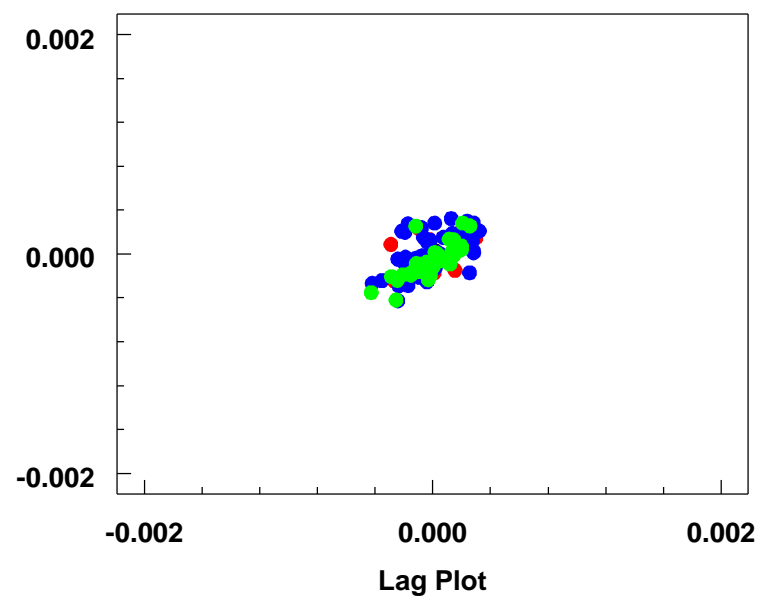
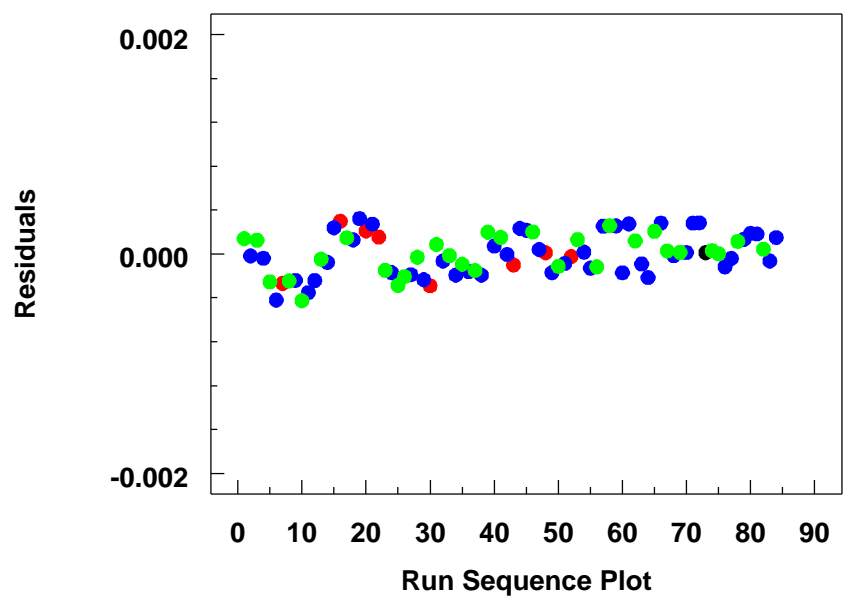


- - Temperature < 260
- - 260 < Temperature < 280
- - 285 < Temperature < 305
- - Temperature > 305

1959 Dataset Model 6a: Nuisance Factors Versus Residuals



1959 Dataset Model 6a: 4-Plot of the Residuals



PPCC = 0.989

1959

