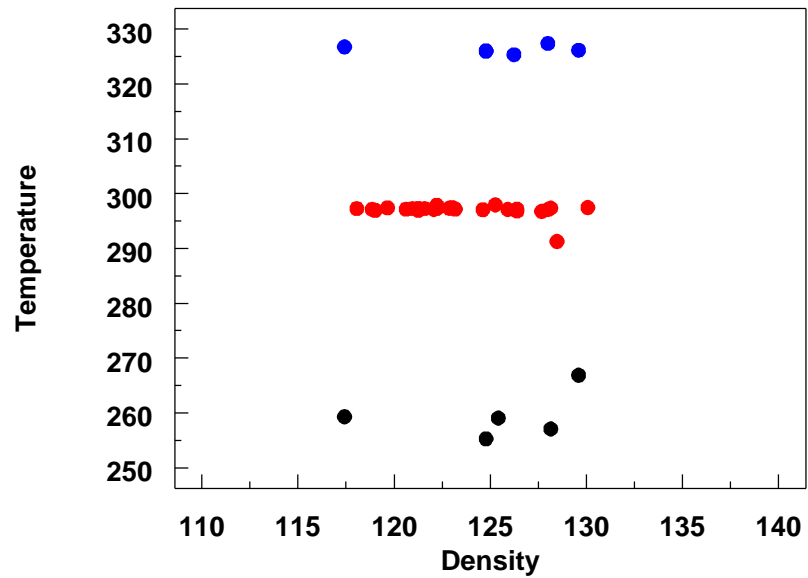
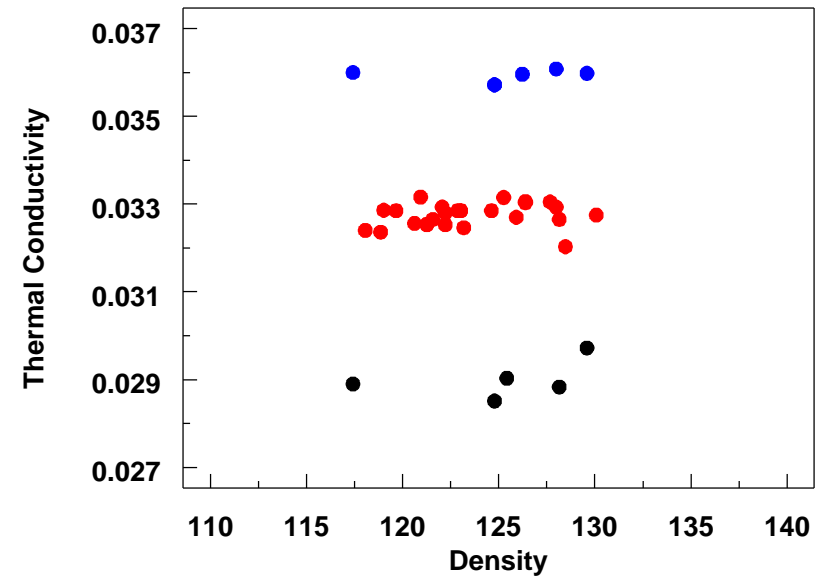
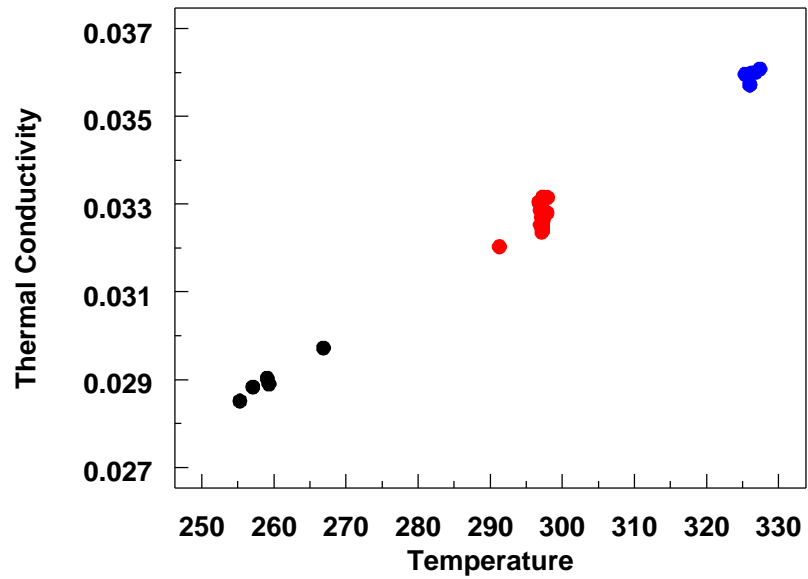
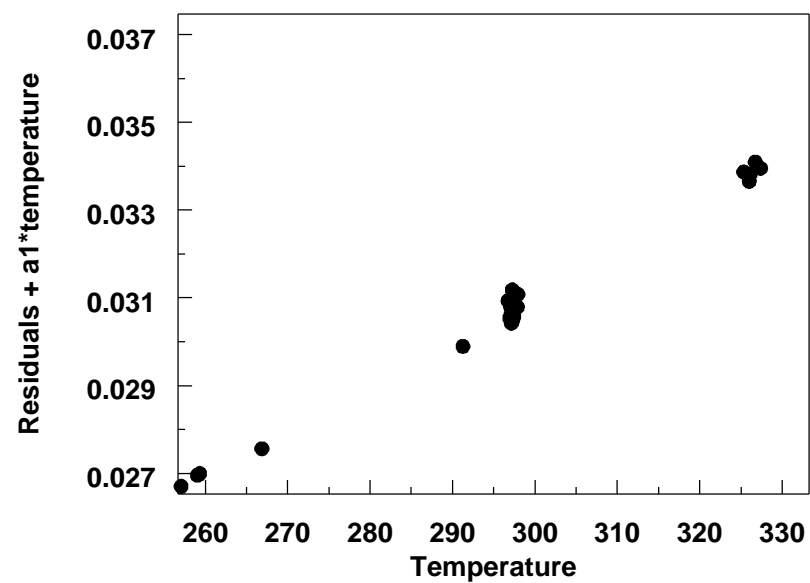
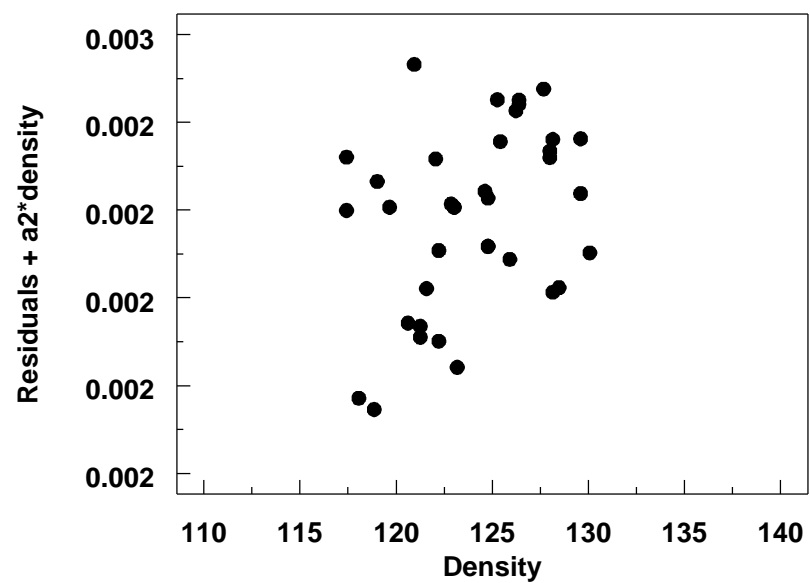


Dataset 1970: Raw Data

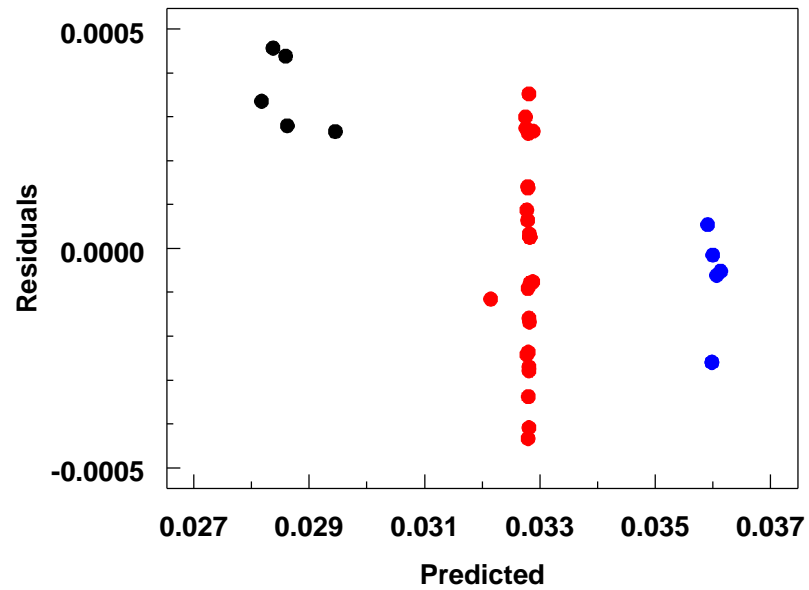
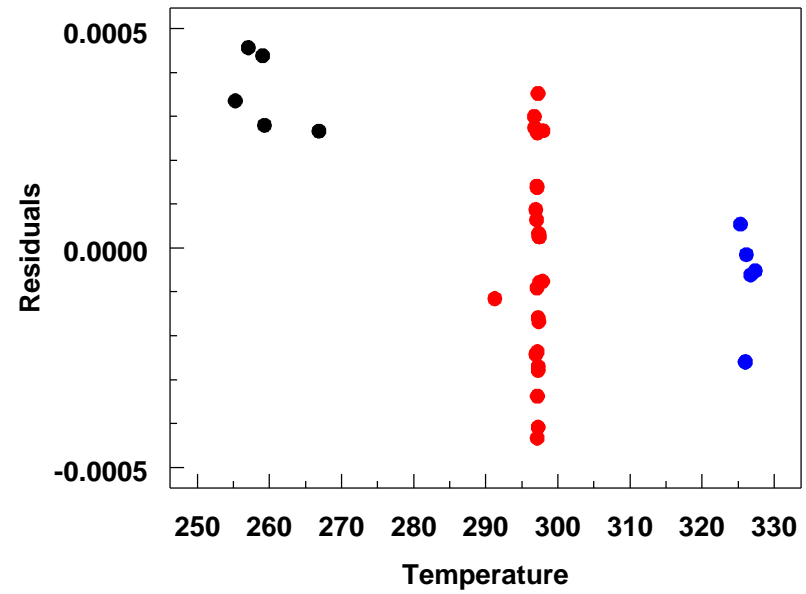
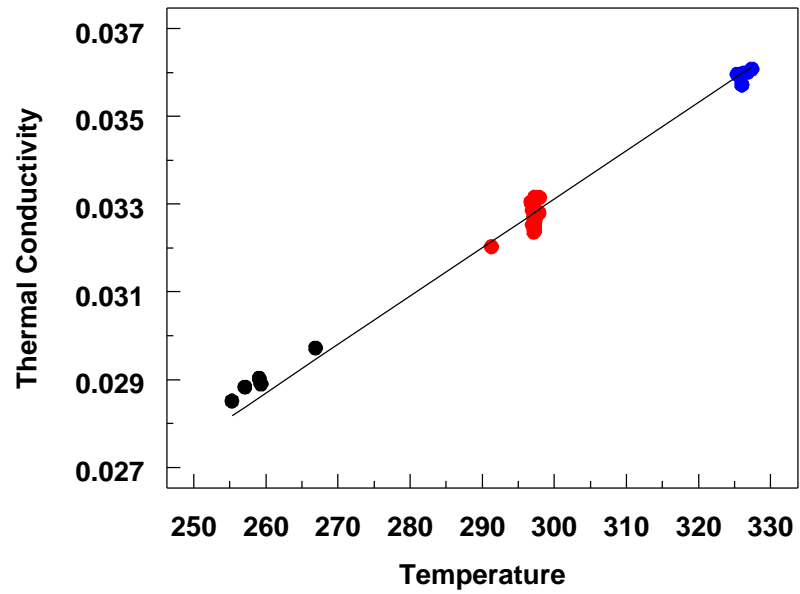


- - Temperature < 280
- - 280 < Temperature < 310
- Temperature > 310

Dataset 1970: Partial Residual Plots

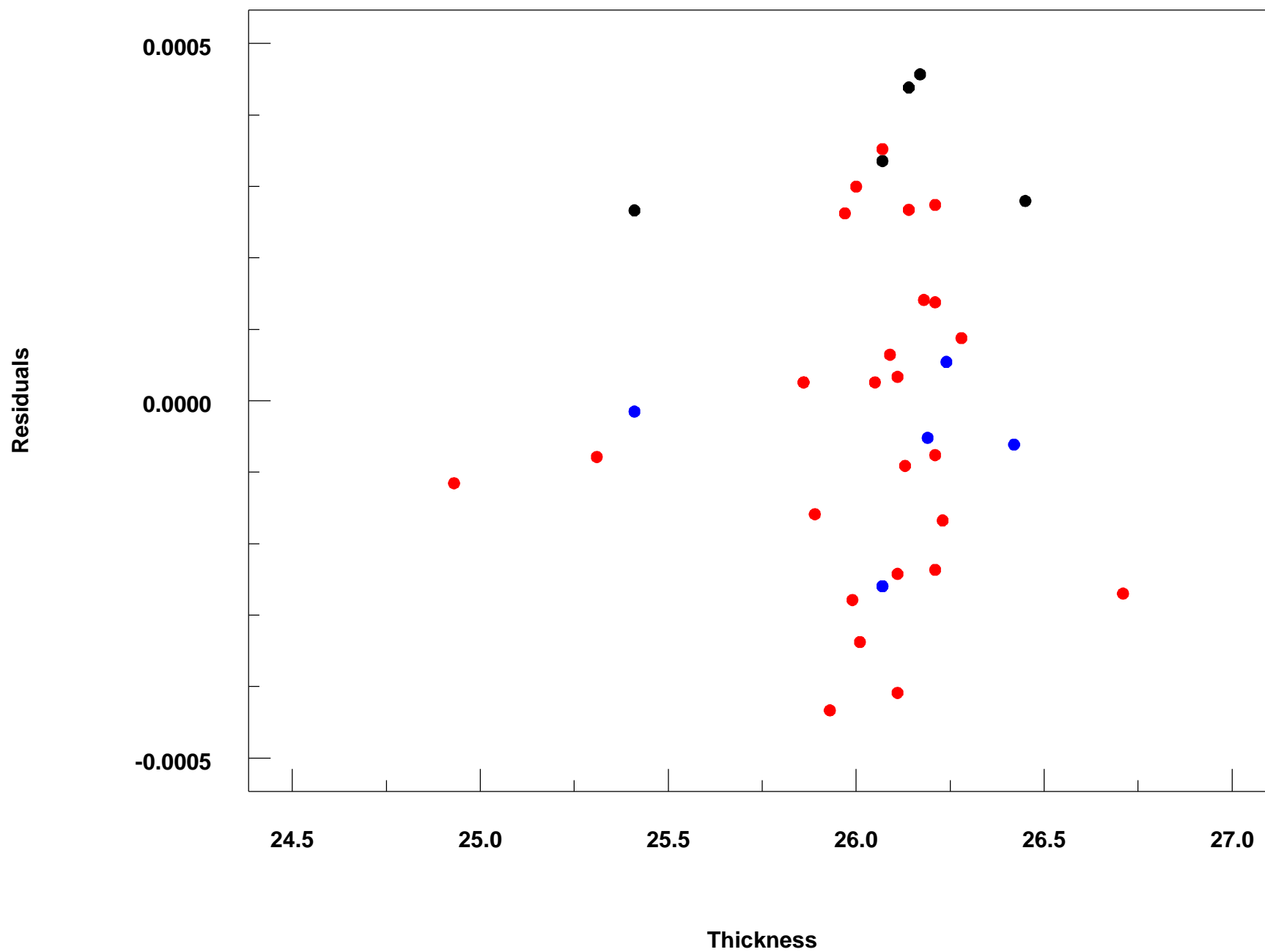


1970 Dataset Model 1: $k = 0.000110367 \cdot t$
RESSD: 0.000242177, BIC: -613.5534283

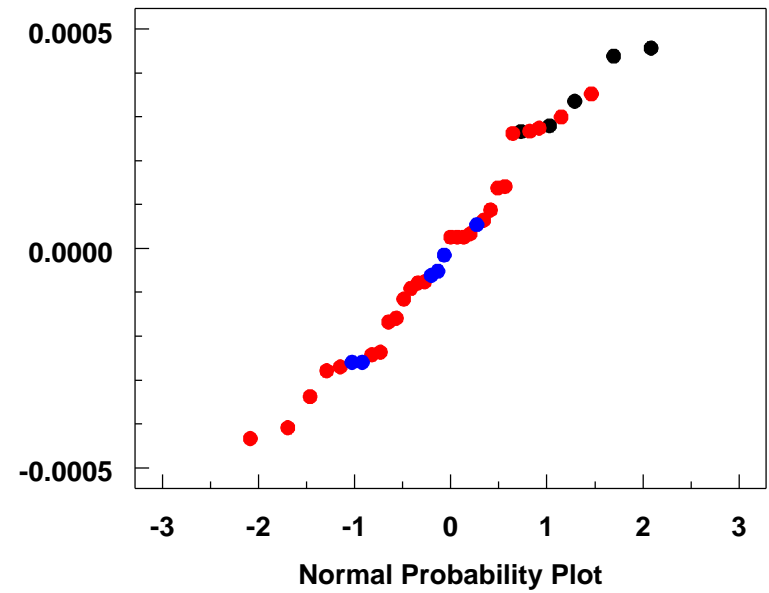
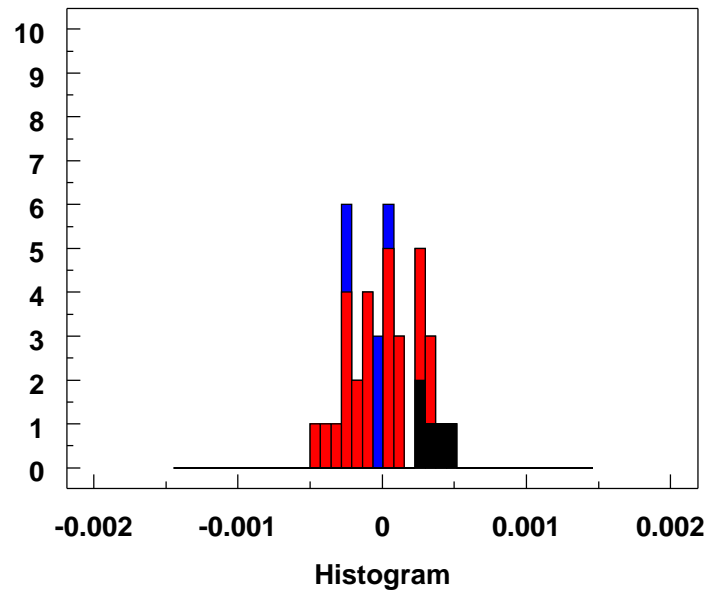
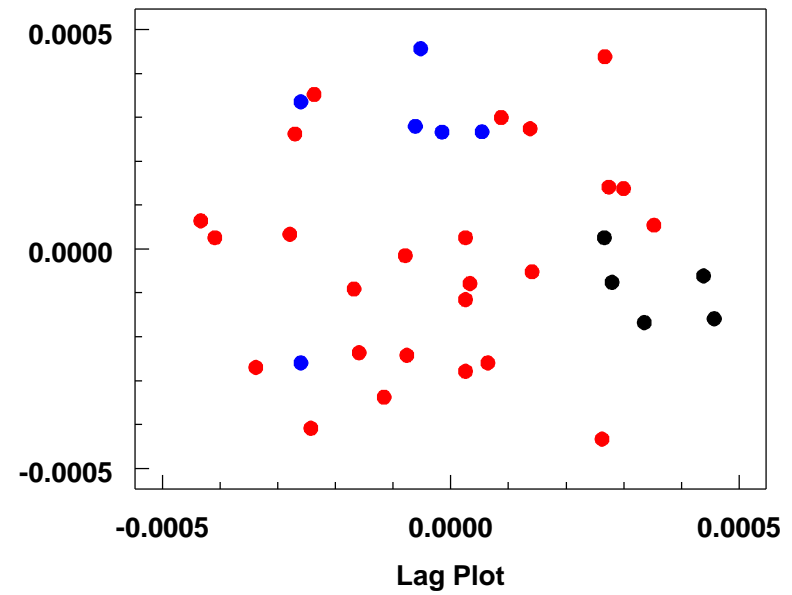
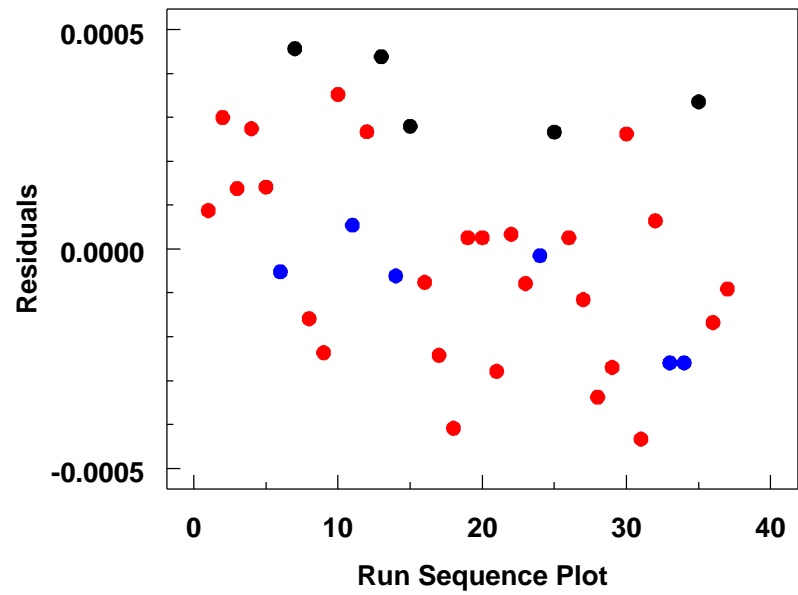


- - Temperature < 280
- - 280 < Temperature < 310
- Temperature > 310

1970 Dataset Model 1: Nusiance Factors Versus Residuals



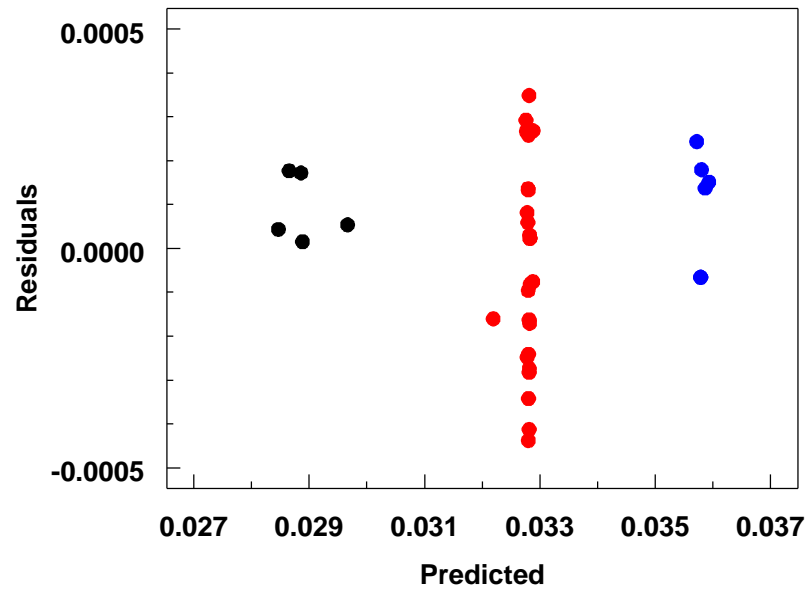
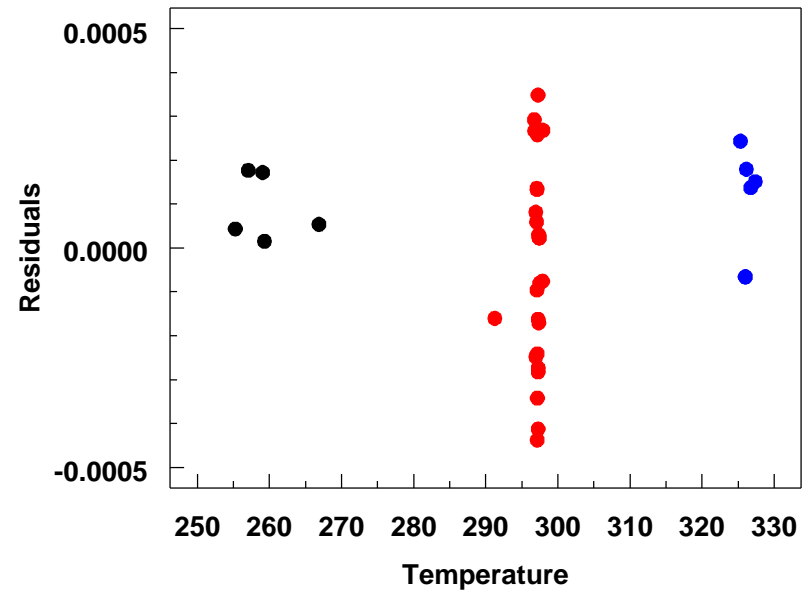
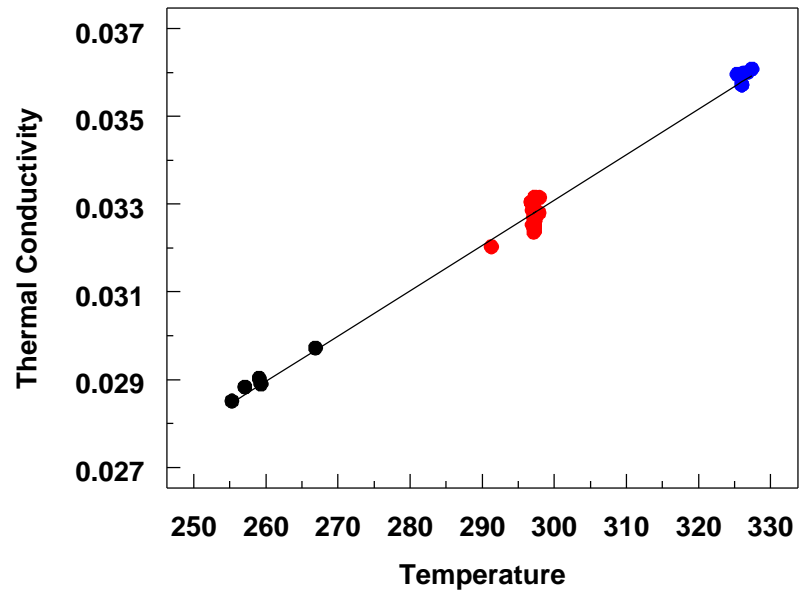
1970 Dataset Model 1: 4-Plot of the Residuals



PPCC = 0.9892

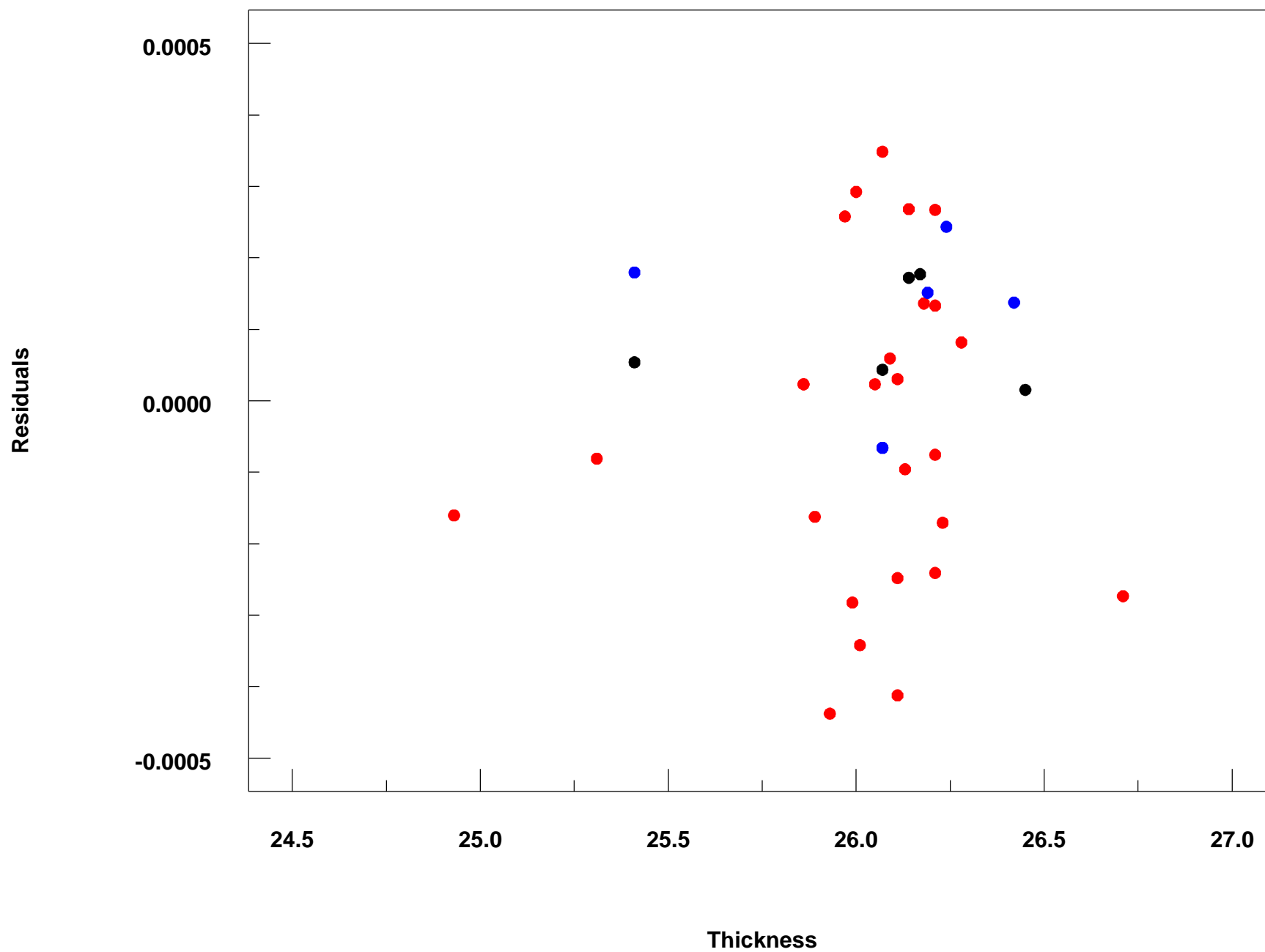
1970 Dataset Model 2: $k = 0.0020458974 + 0.0001034972 \cdot t$

RESSD: 0.0002090715, BIC: -621.8239745

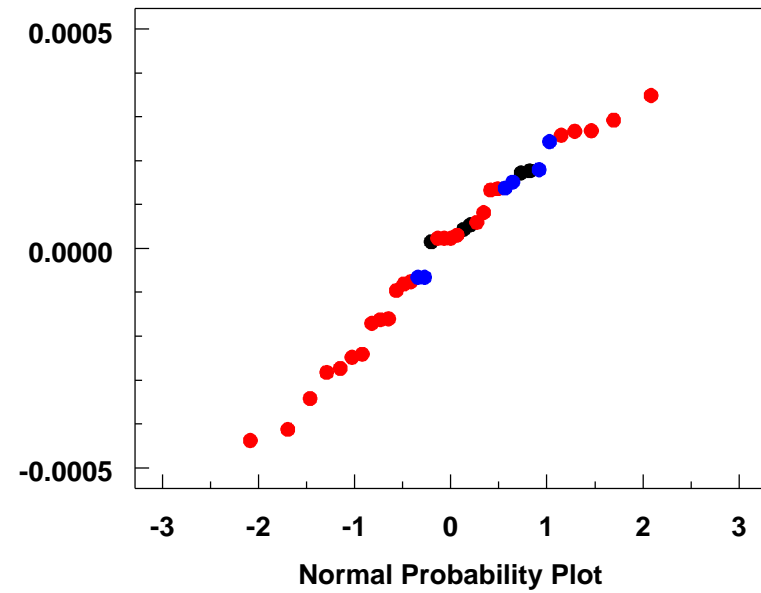
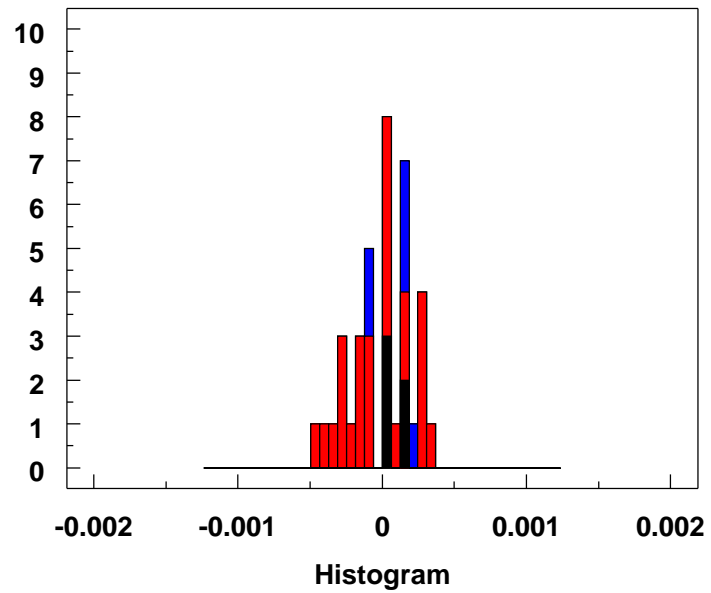
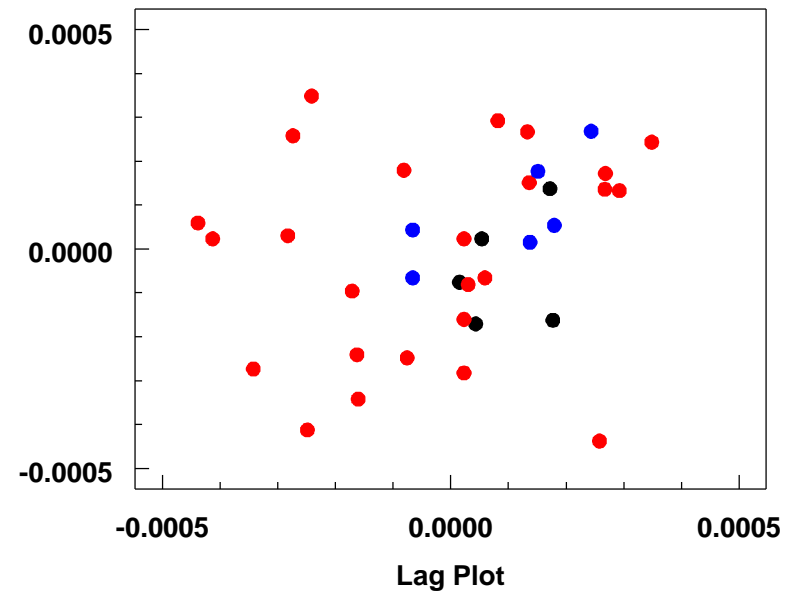
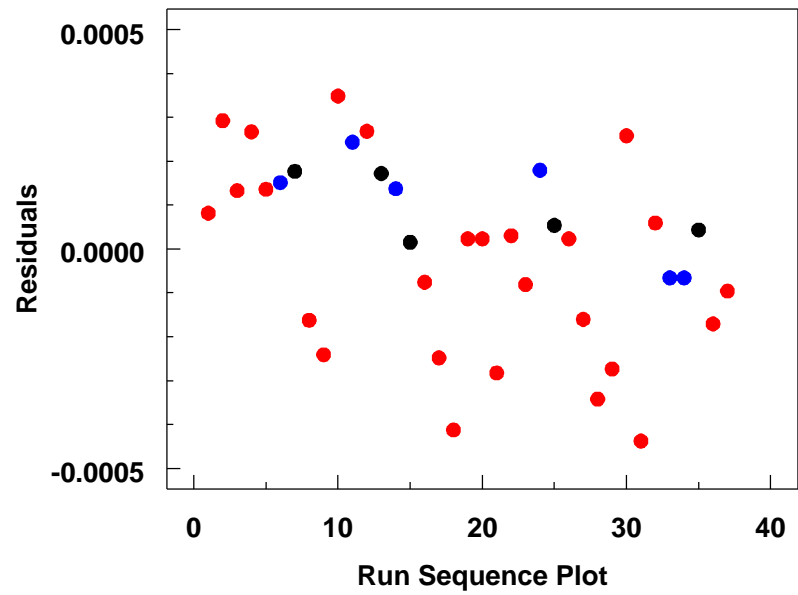


- - Temperature < 280
- - 280 < Temperature < 310
- Temperature > 310

1970 Dataset Model 2: Nuisance Factors Versus Residuals



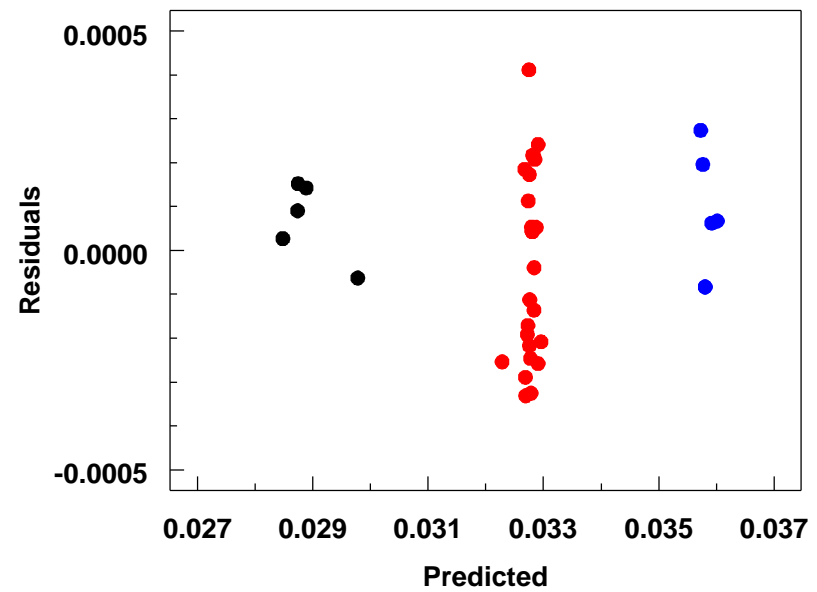
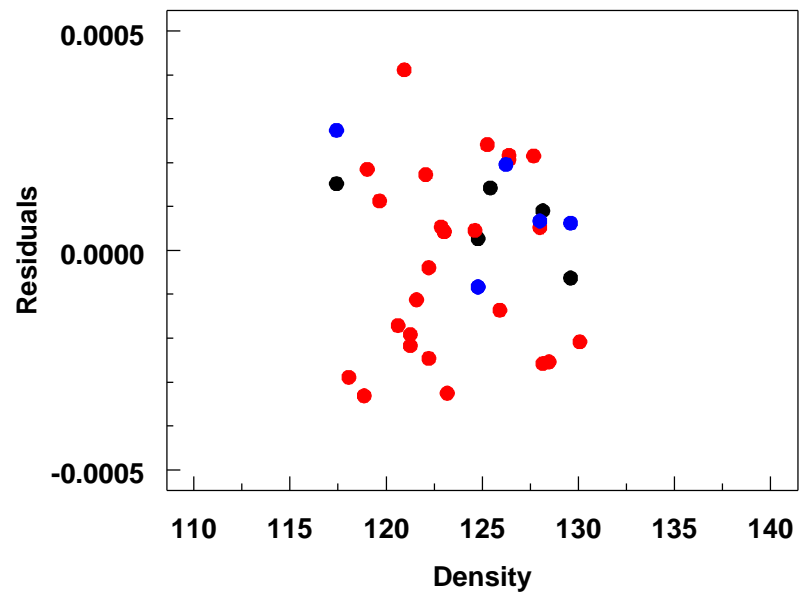
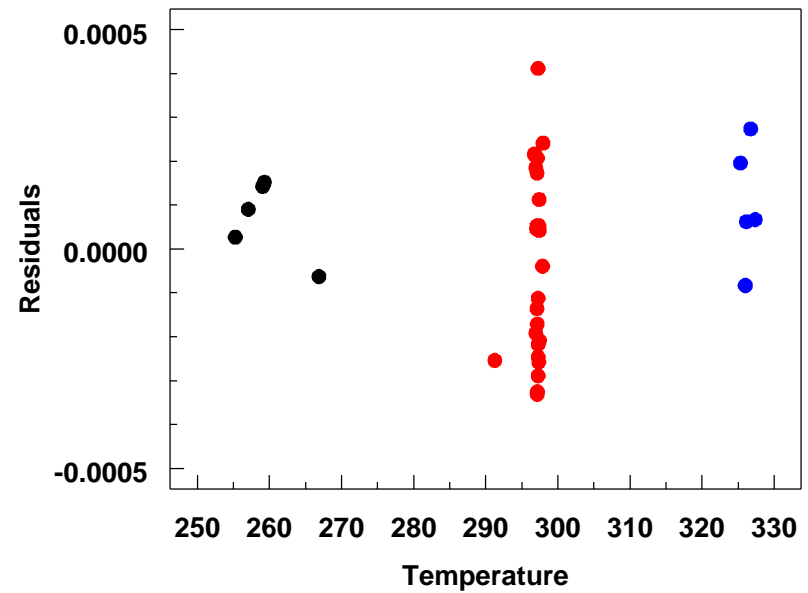
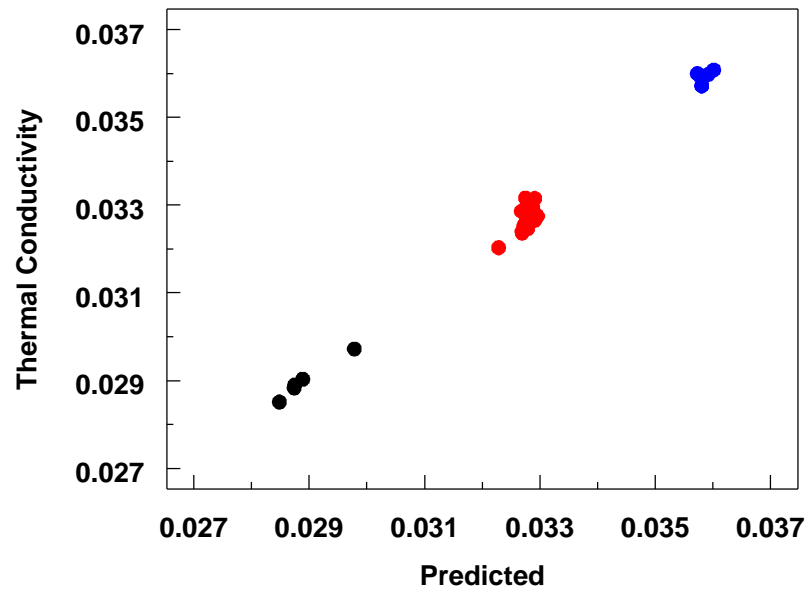
1970 Dataset Model 2: 4-Plot of the Residuals



PPCC = 0.9874

1970 Dataset Model 3: $k = -0.00054115 + 0.0001035087 \cdot t + 0.0000208407 \cdot d$

RESSD: 0.0001973847, BIC: -623.5421996

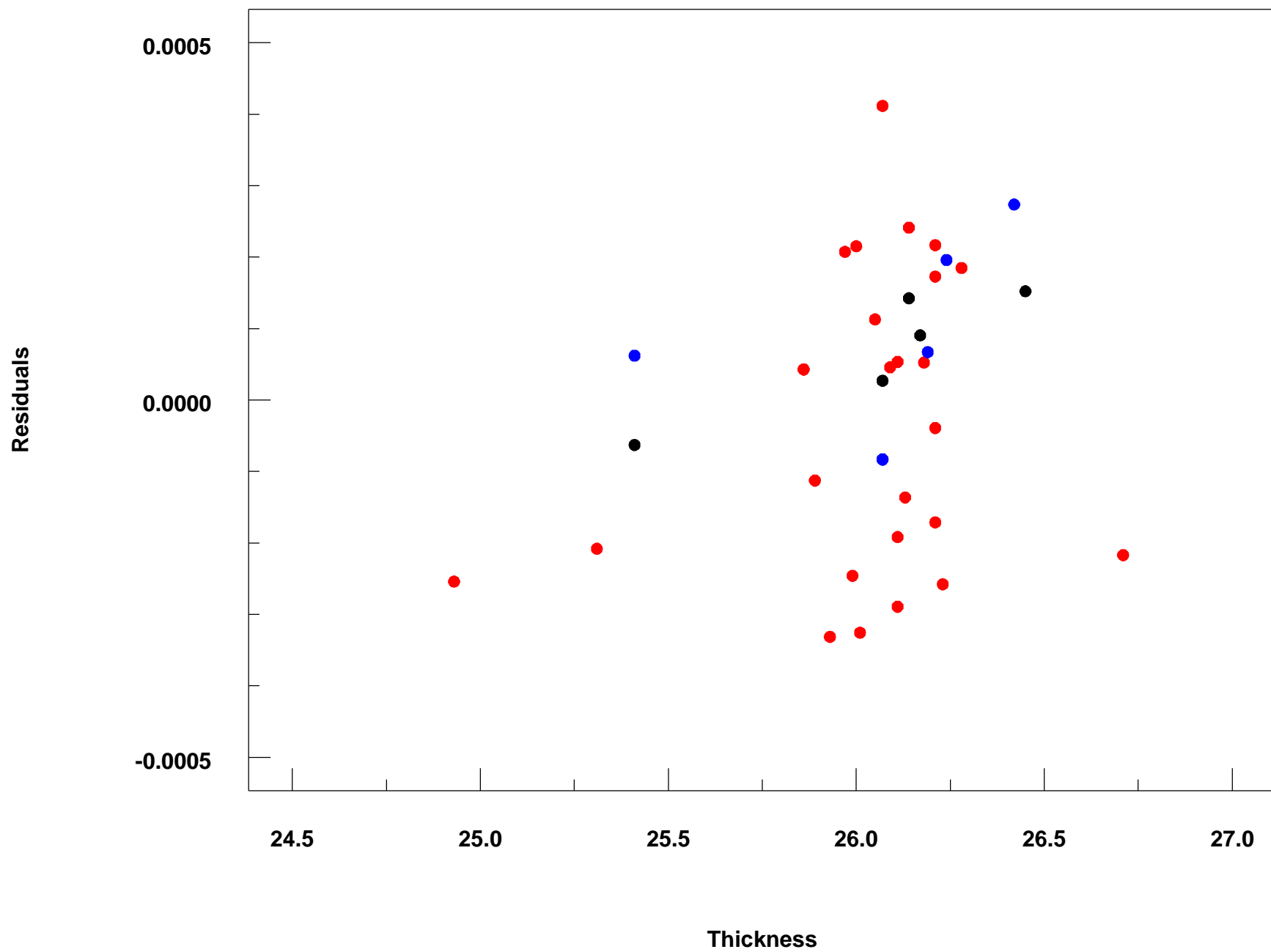


● - Temperature < 280

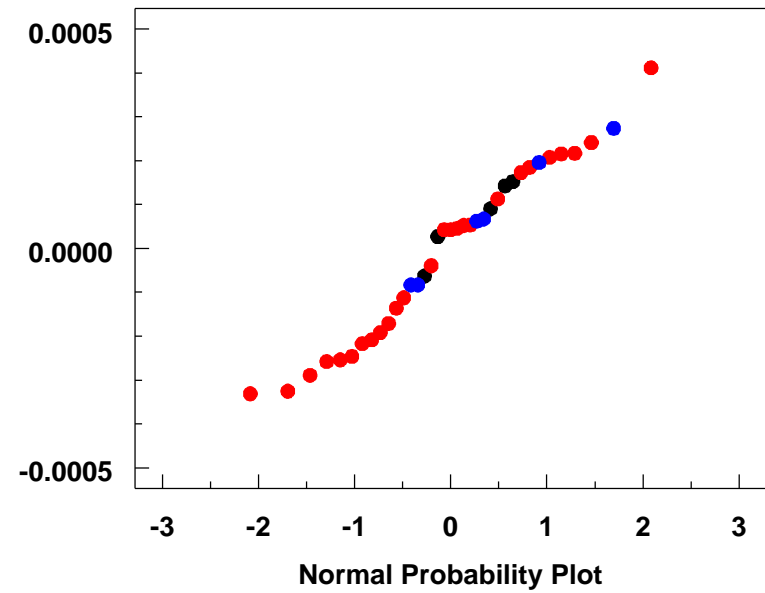
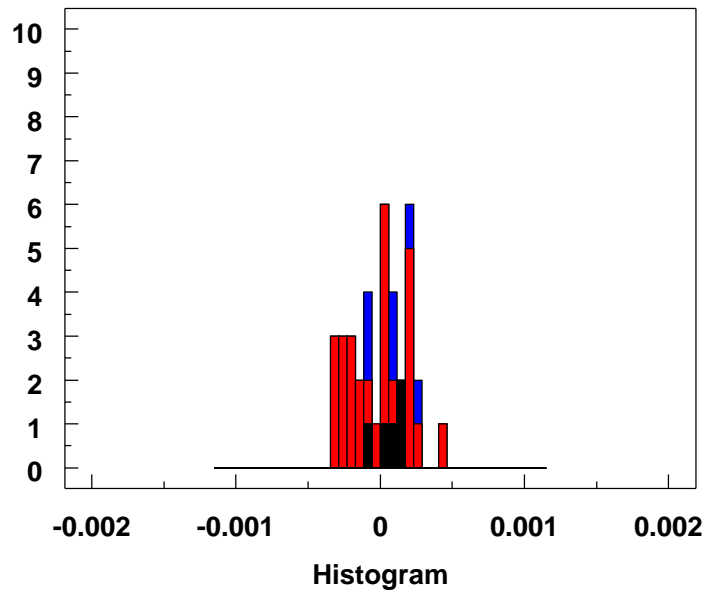
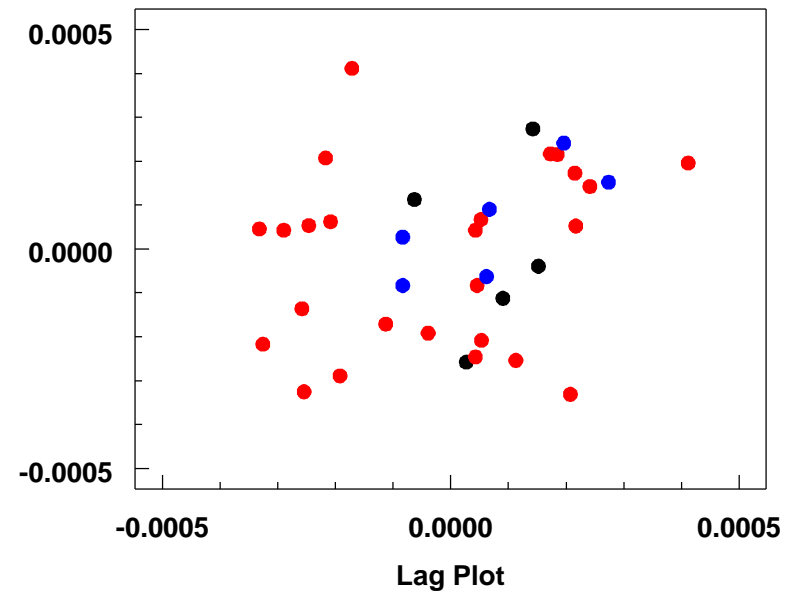
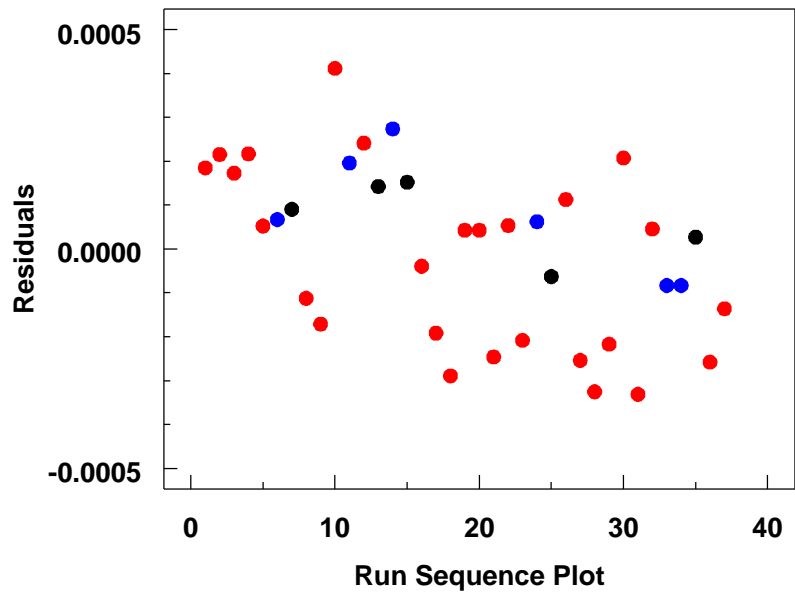
● - 280 < Temperature < 310

● - Temperature > 310

1970 Dataset Model 3: Nusiance Factors Versus Residuals



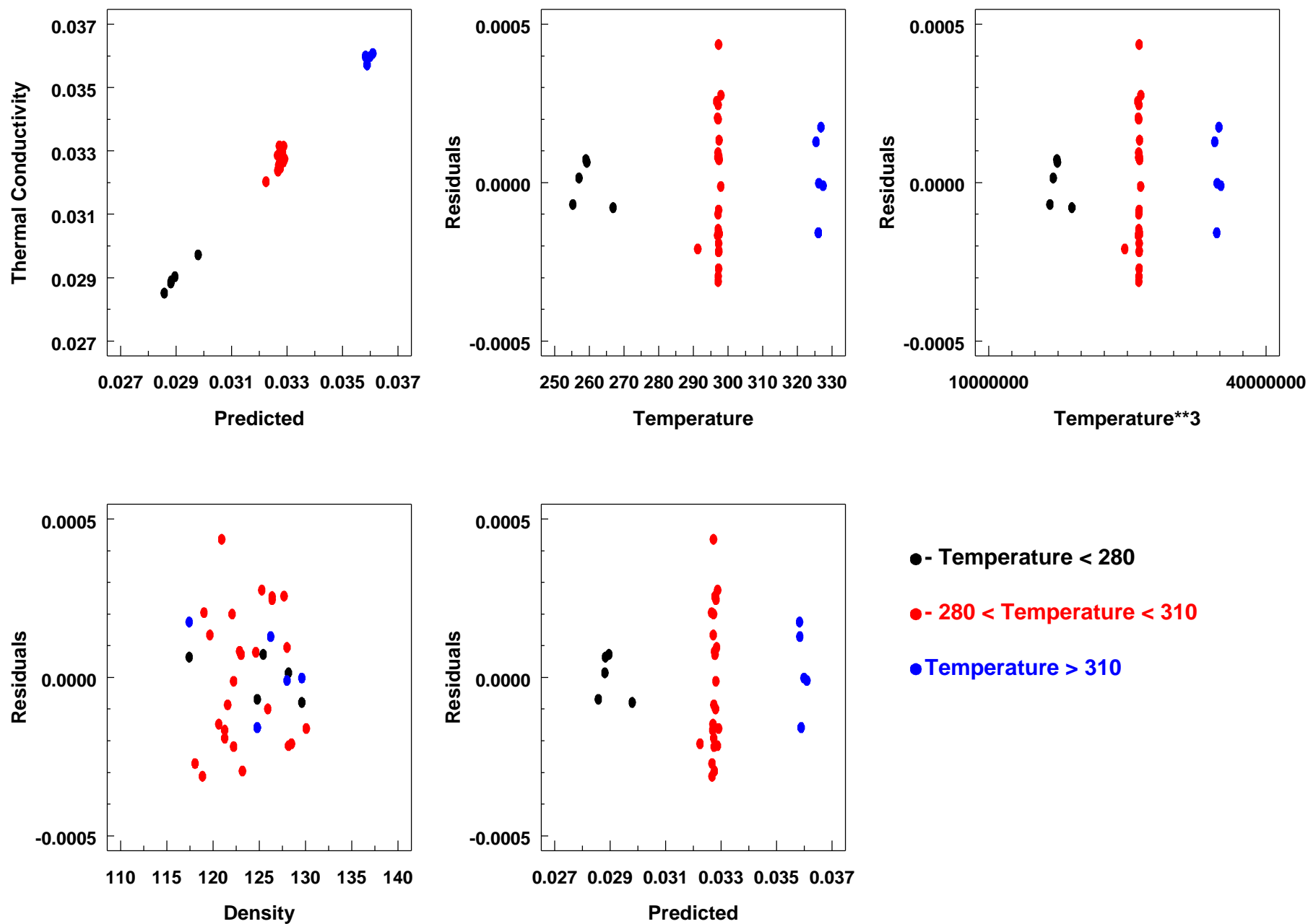
1970 Dataset Model 3: 4-Plot of the Residuals



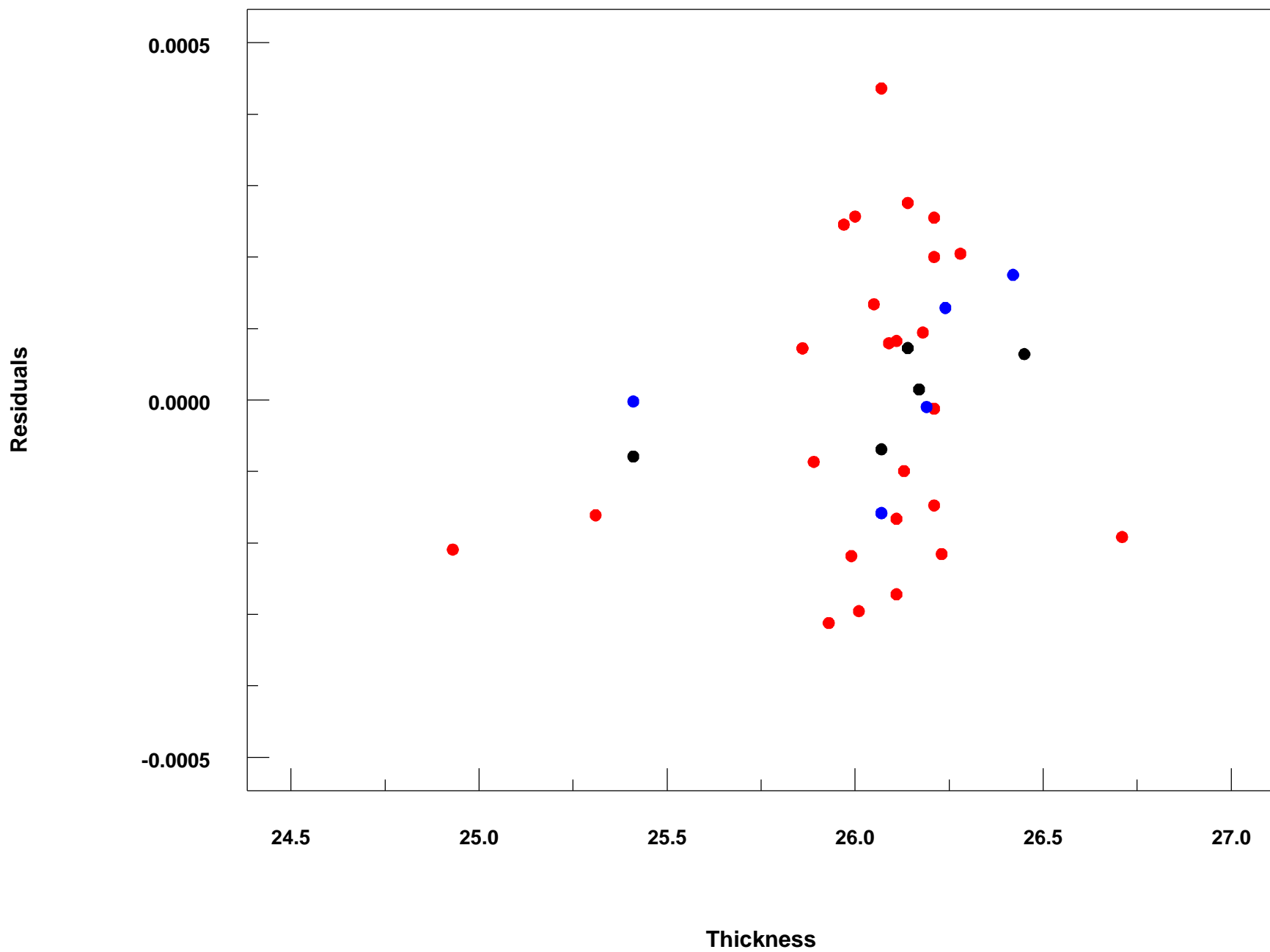
PPCC = 0.9854

1970 Dataset Model 4: $k = 0.0053082267 + 0.0000749538 \cdot t + 0.000018357 \cdot d + 0 \cdot t^3$

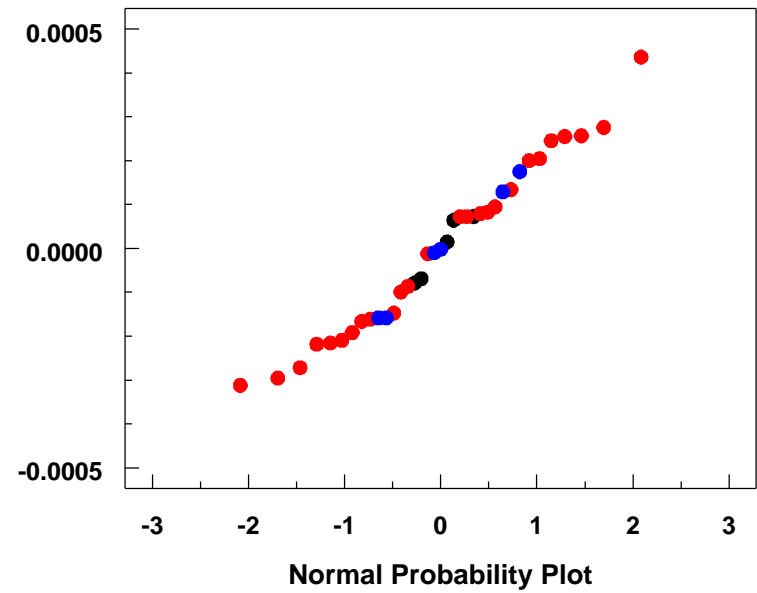
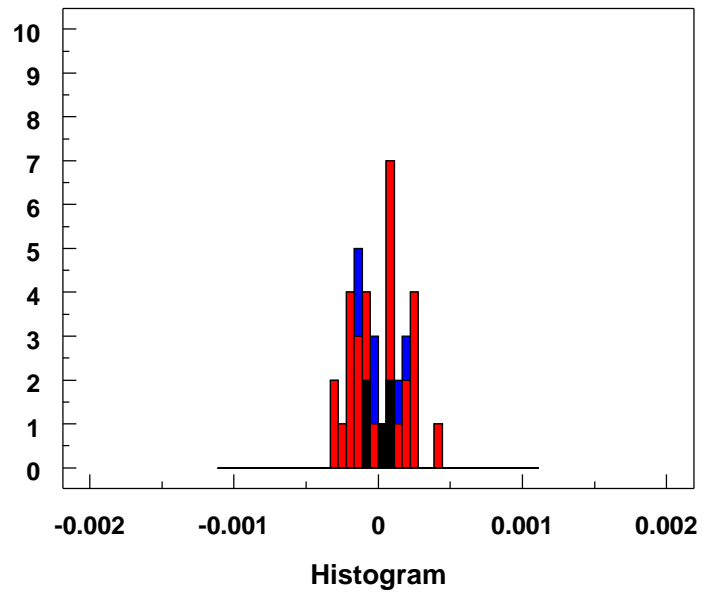
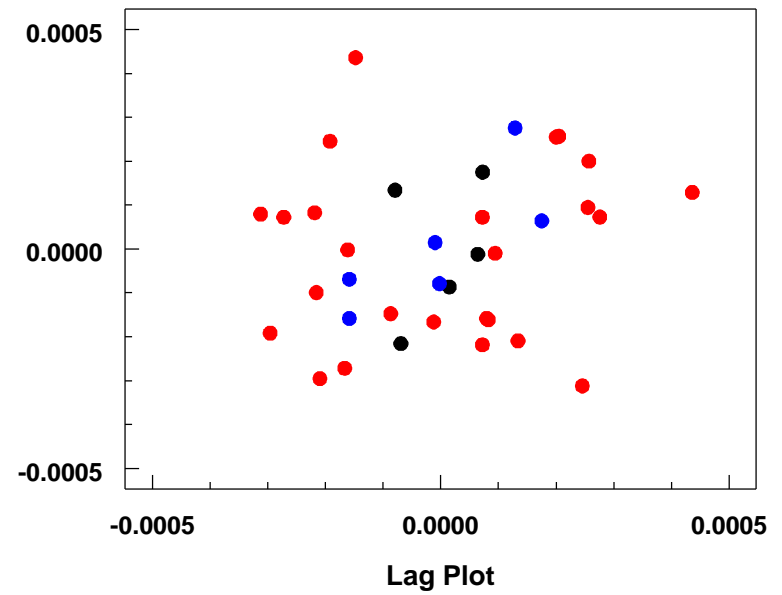
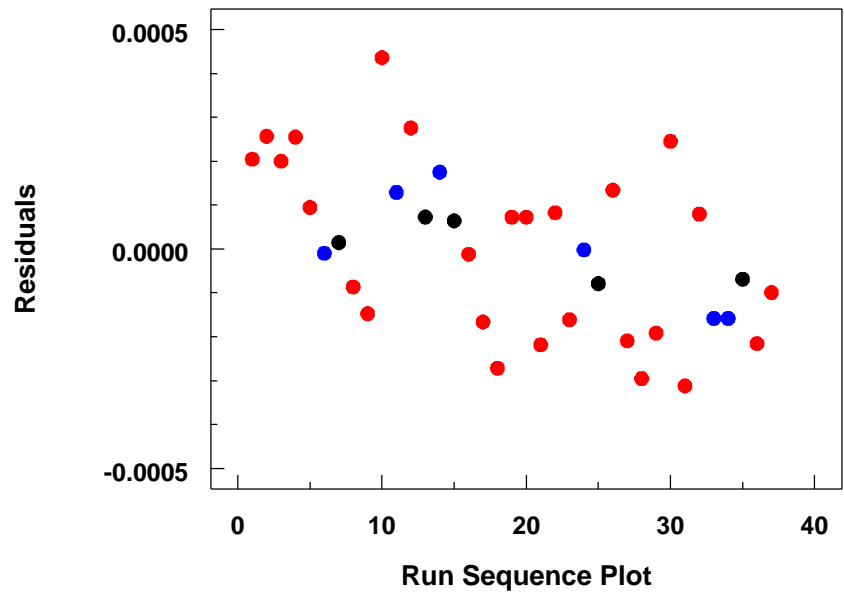
RESSD: 0.000193442, BIC: -622.5289788



1970 Dataset Model 4: Nuisance Factors Versus Residuals



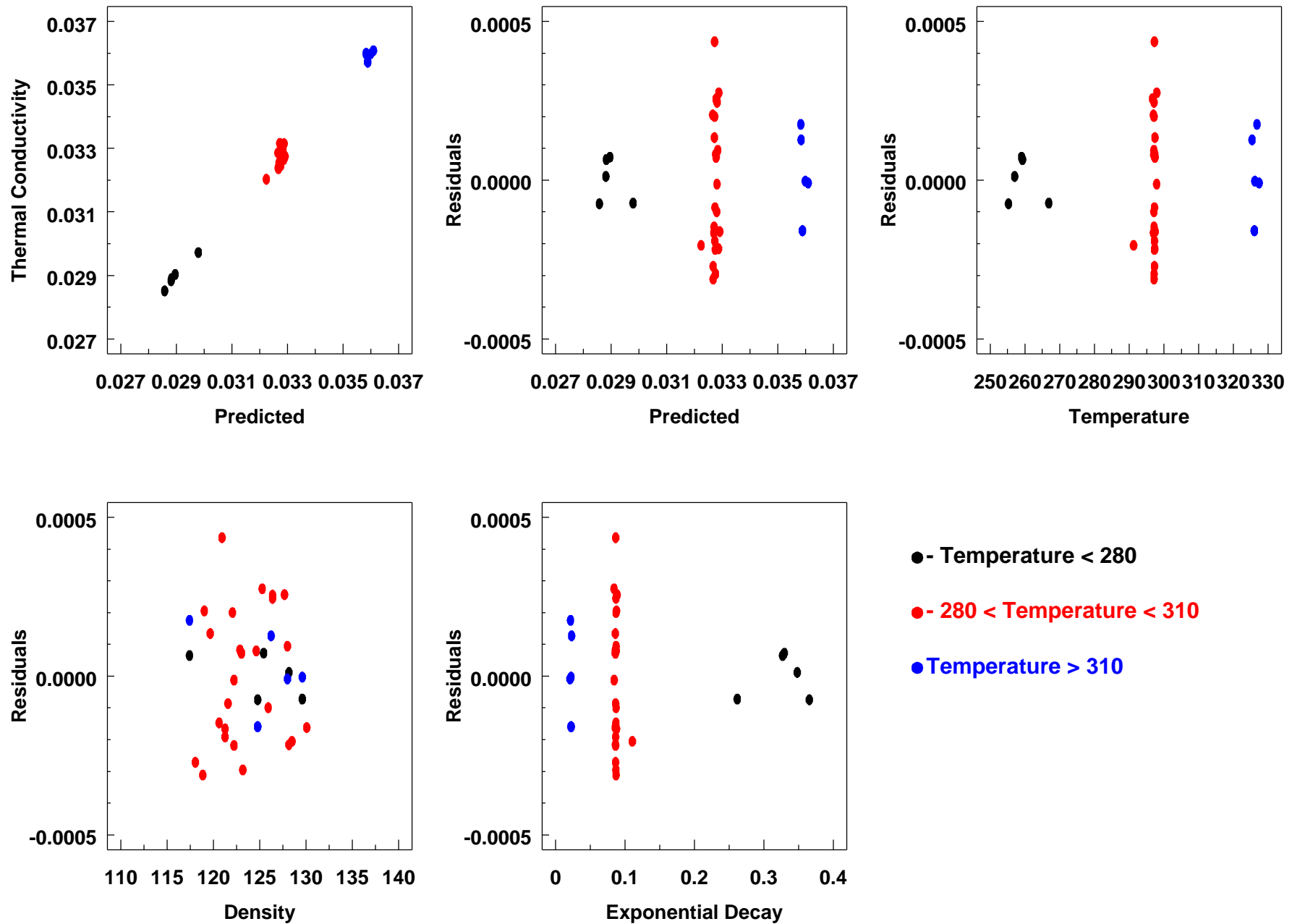
1970 Dataset Model 4: 4-Plot of the Residuals



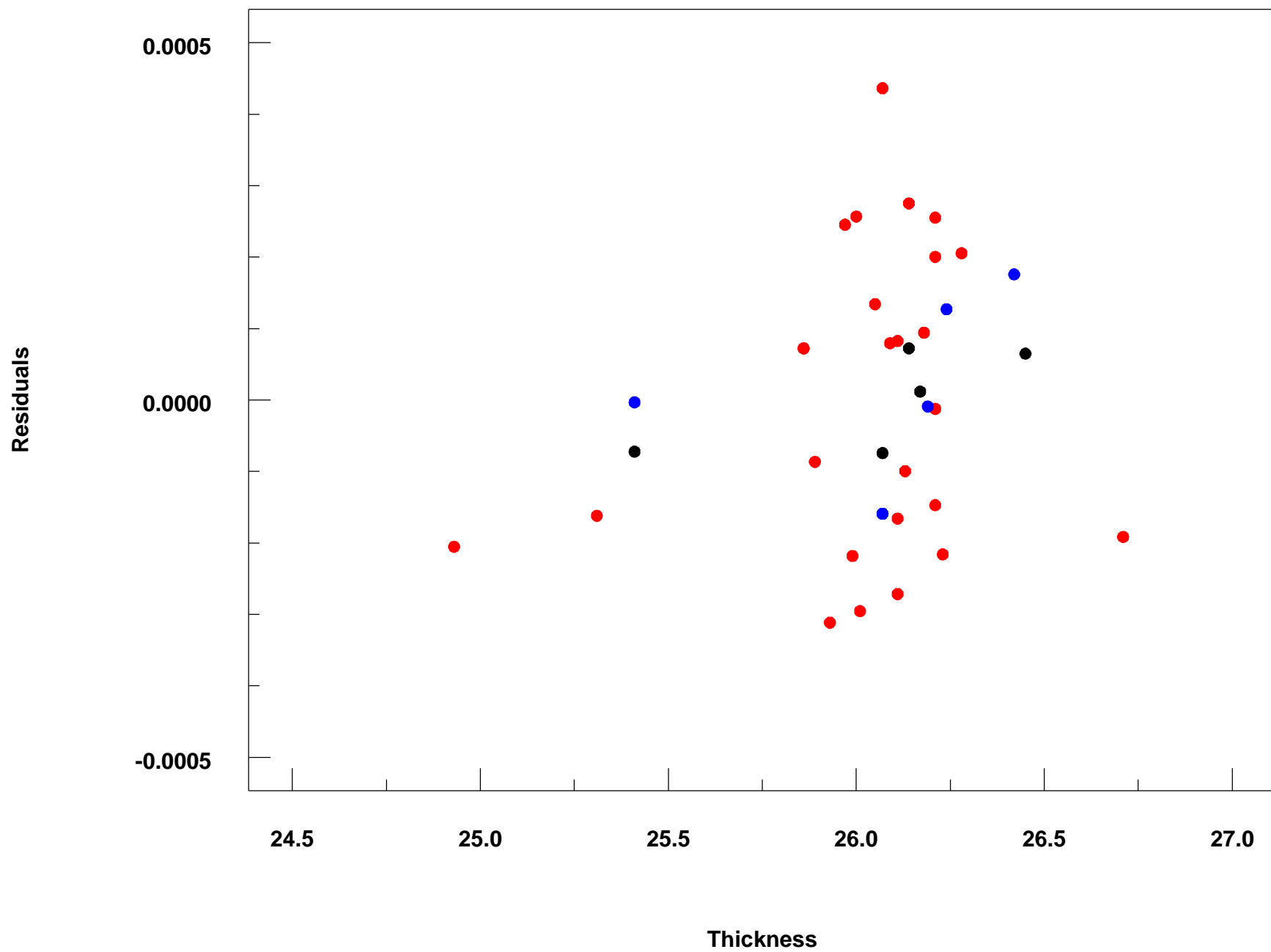
PPCC = 0.9883

1970 Dataset Model 5: $k = -0.002614772 + 0.0001109105 \cdot t + 0.0000184404 \cdot d + 0.0016016363 \cdot e1$

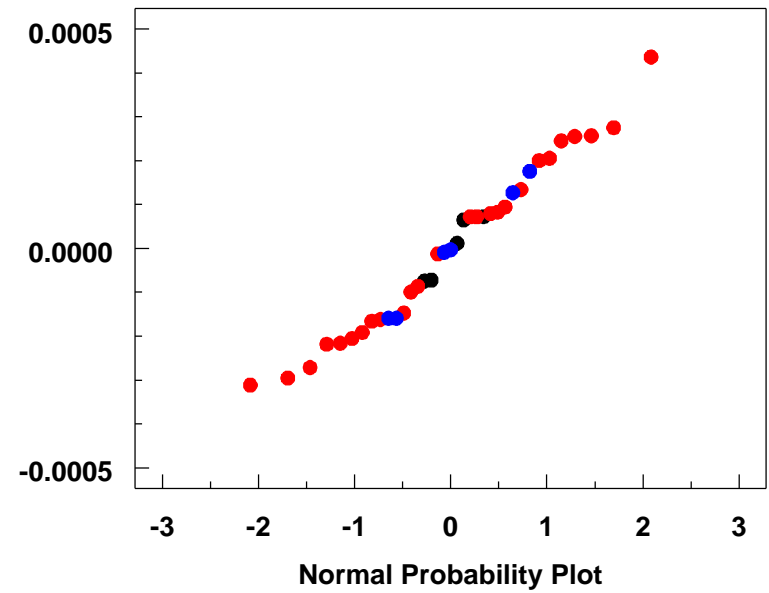
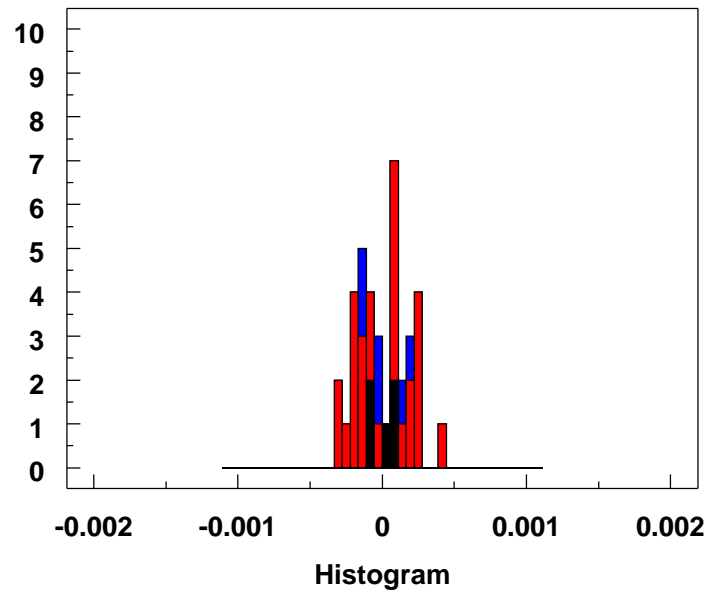
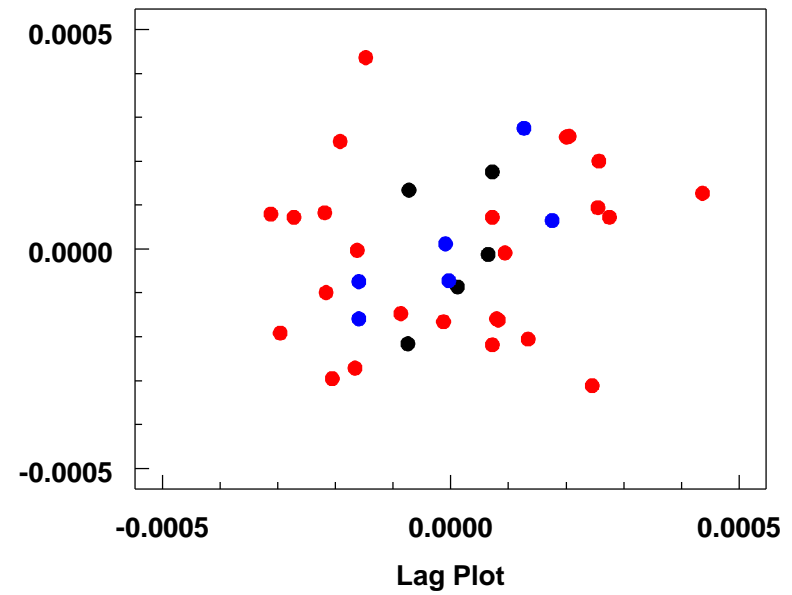
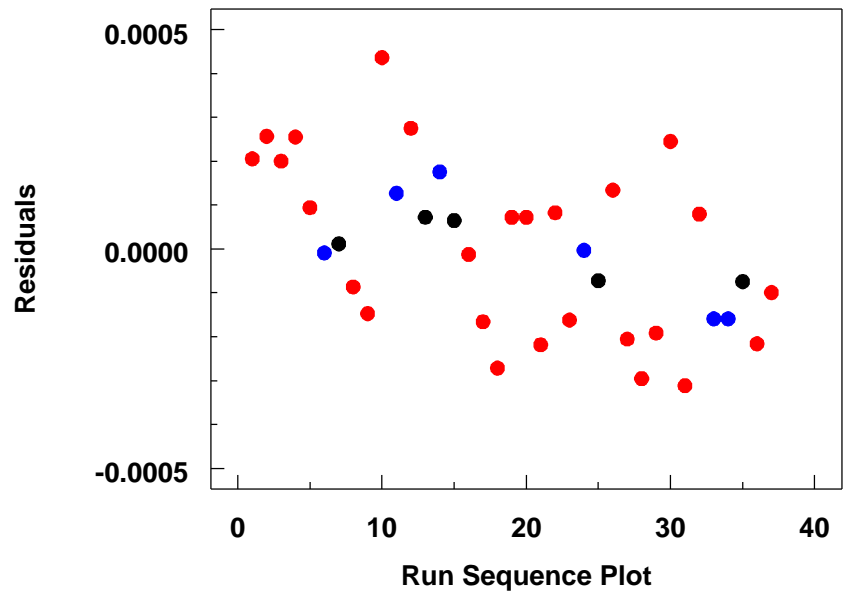
RESSD: 0.0001932838, BIC: -622.5894744



1970 Dataset Model 5: Nuisance Factors Versus Residuals

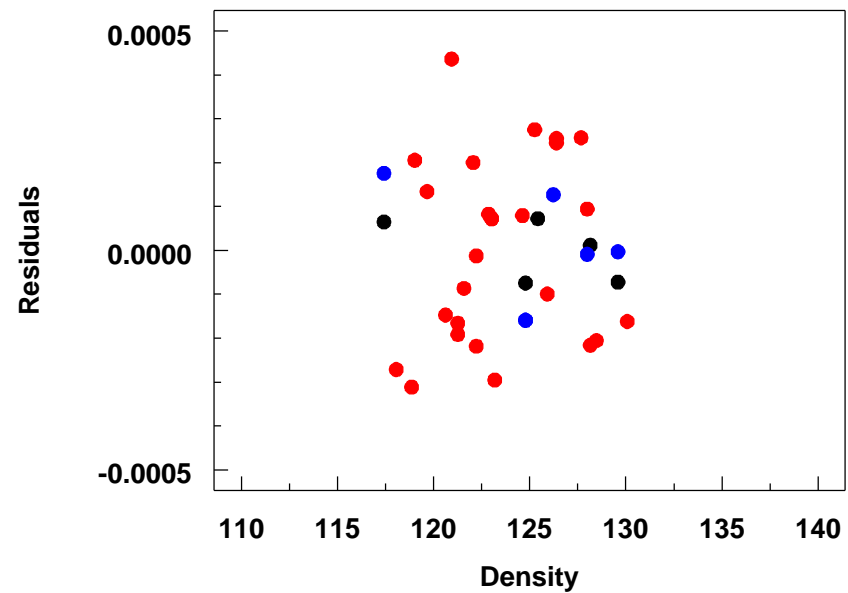
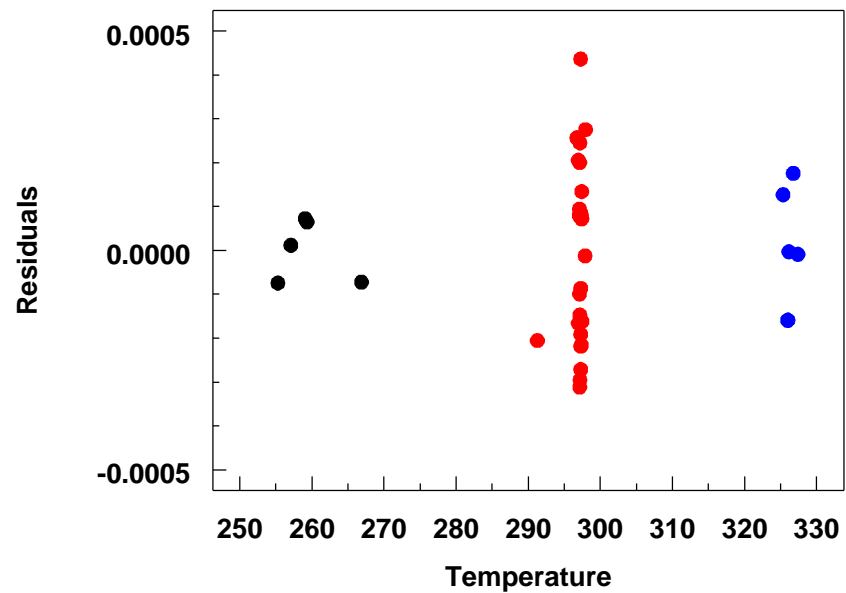
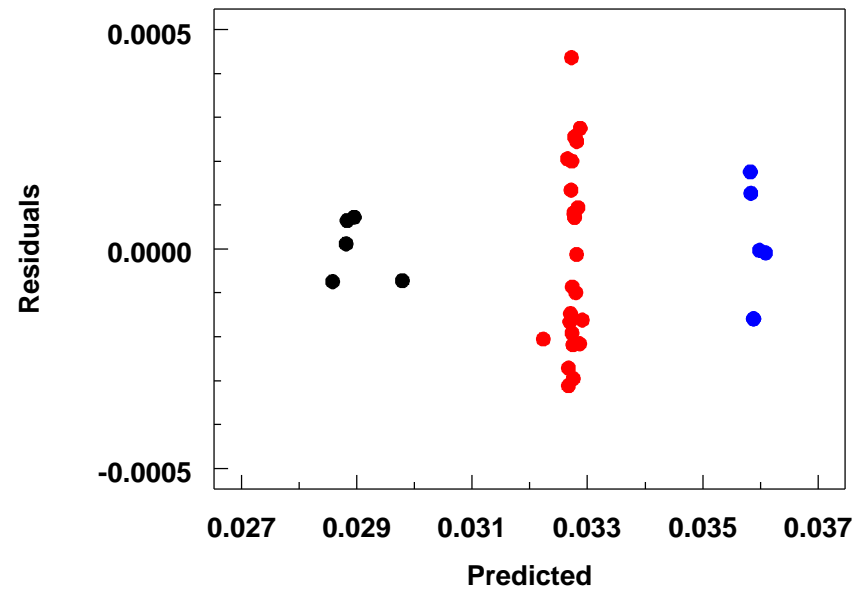
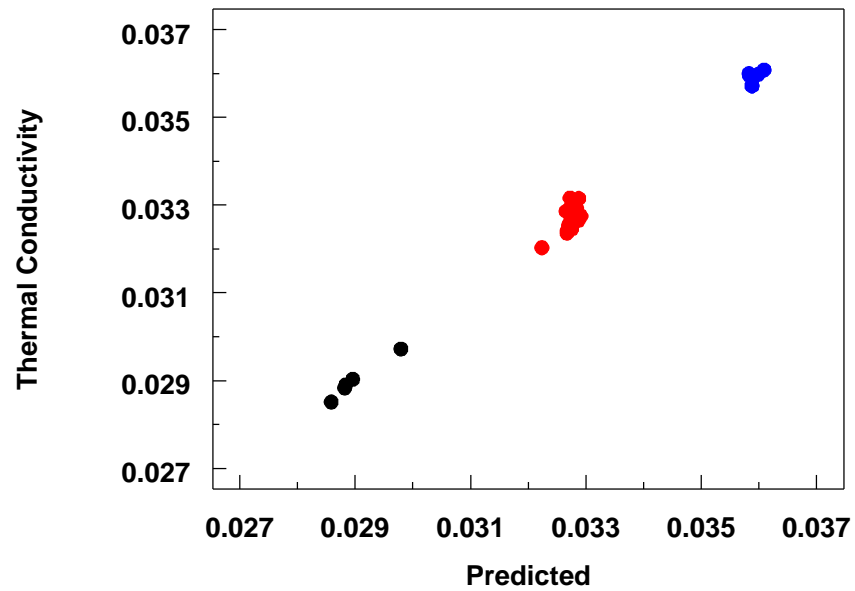


1970 Dataset Model 5: 4-Plot of the Residuals



PPCC = 0.9882

1970 Dataset Model 5a: $k = -0.001540481 + 0.0001077226 \cdot t + 0.0000184214 \cdot d +$
 $-0.052612614 \cdot \text{EXP}(-((t-717.83306753)/-23.86335435)^2)$ (RESSD: 0.0001932838, BIC: -615.3676386)

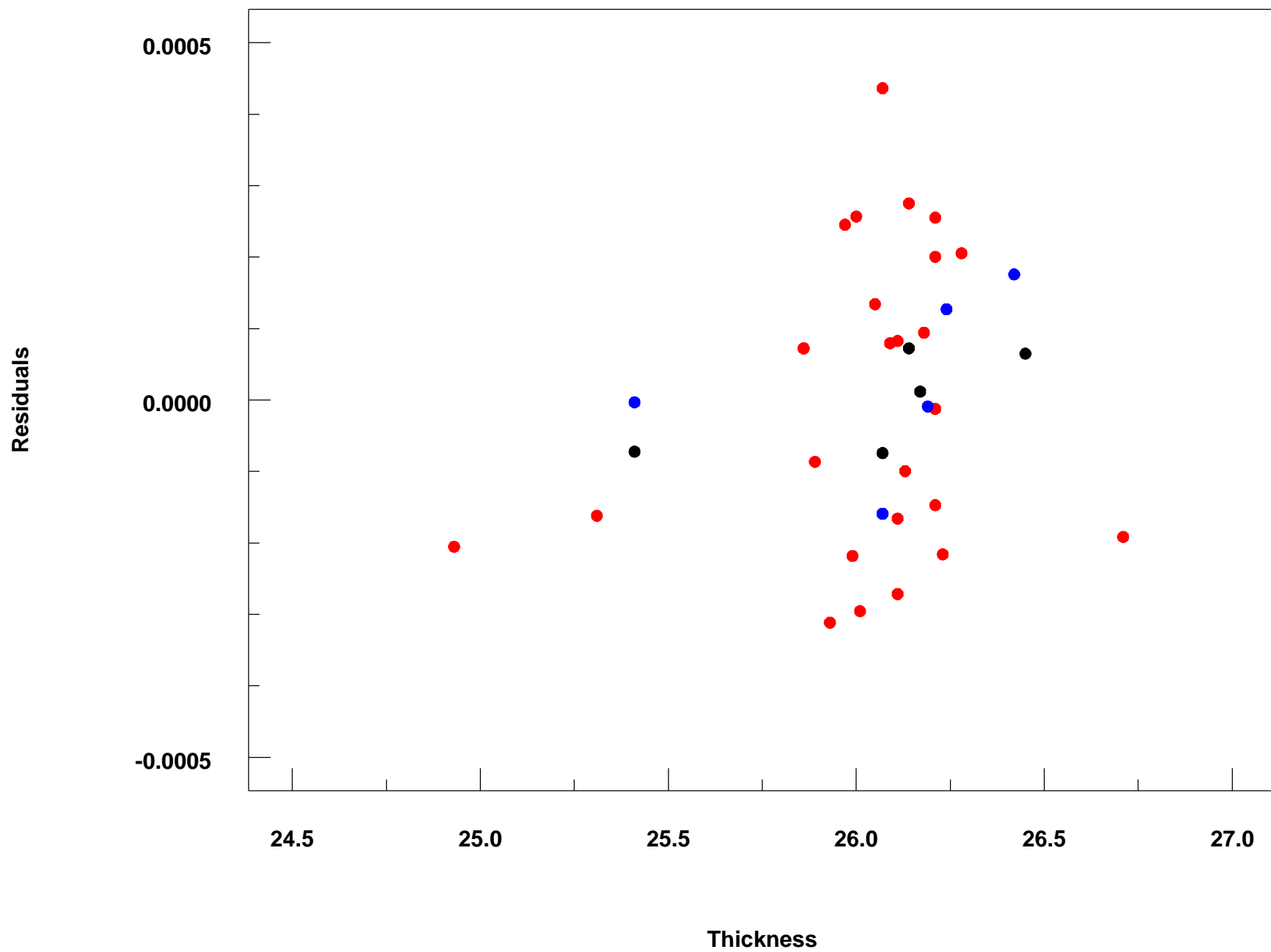


● - Temperature < 280

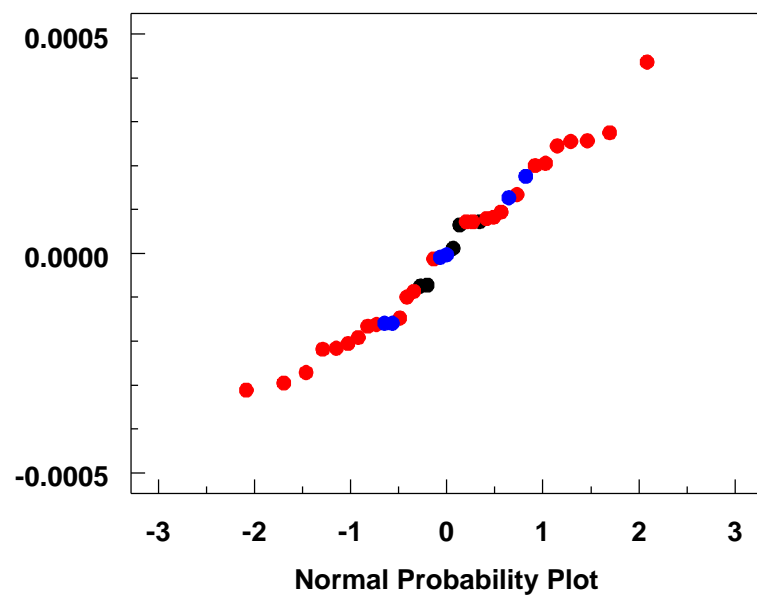
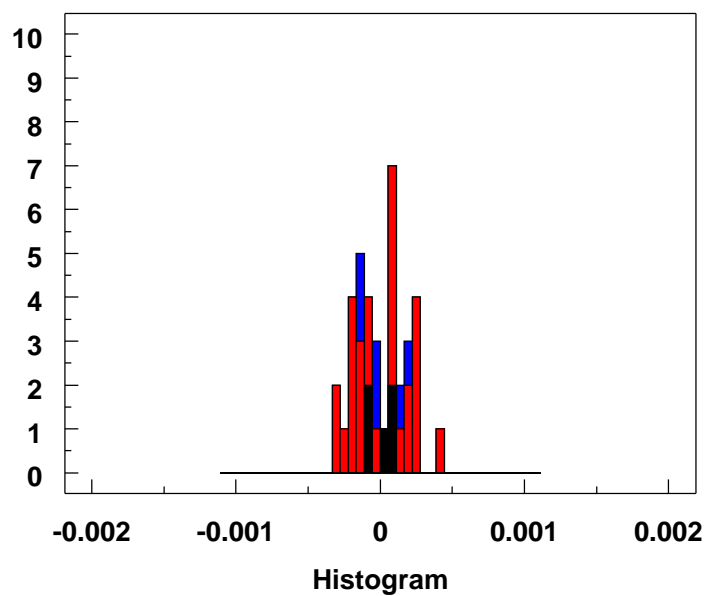
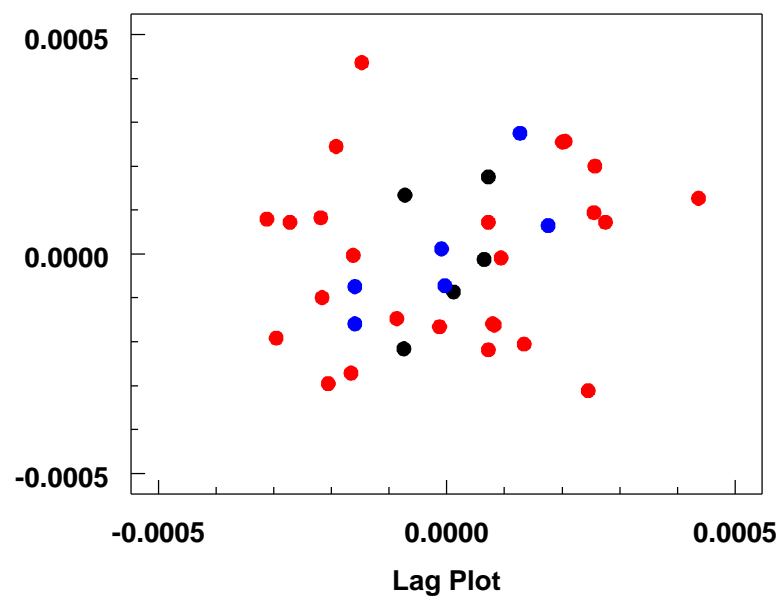
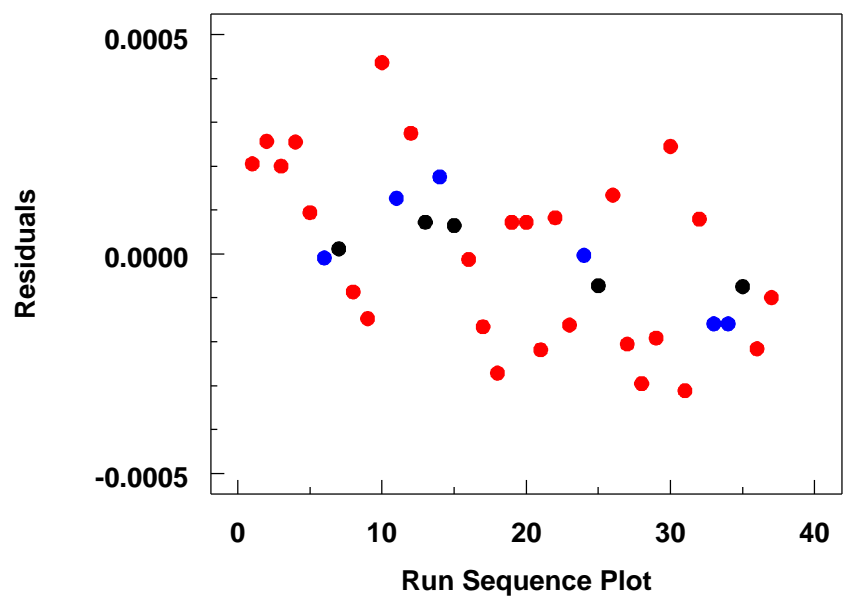
● - 280 < Temperature < 310

● - Temperature > 310

1970 Dataset Model 5a: Nuisance Factors Versus Residuals



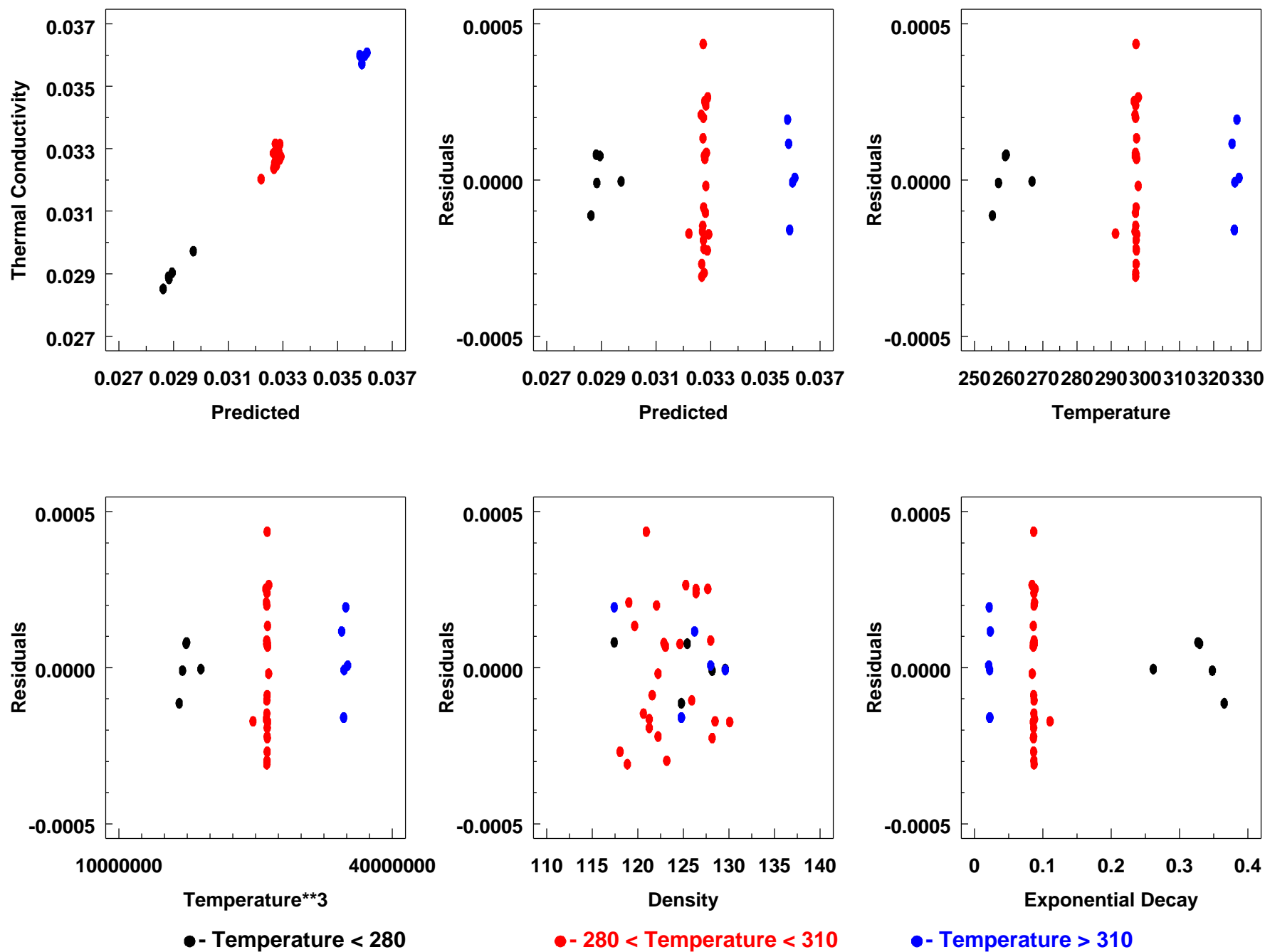
1970 Dataset Model 5a: 4-Plot of the Residuals



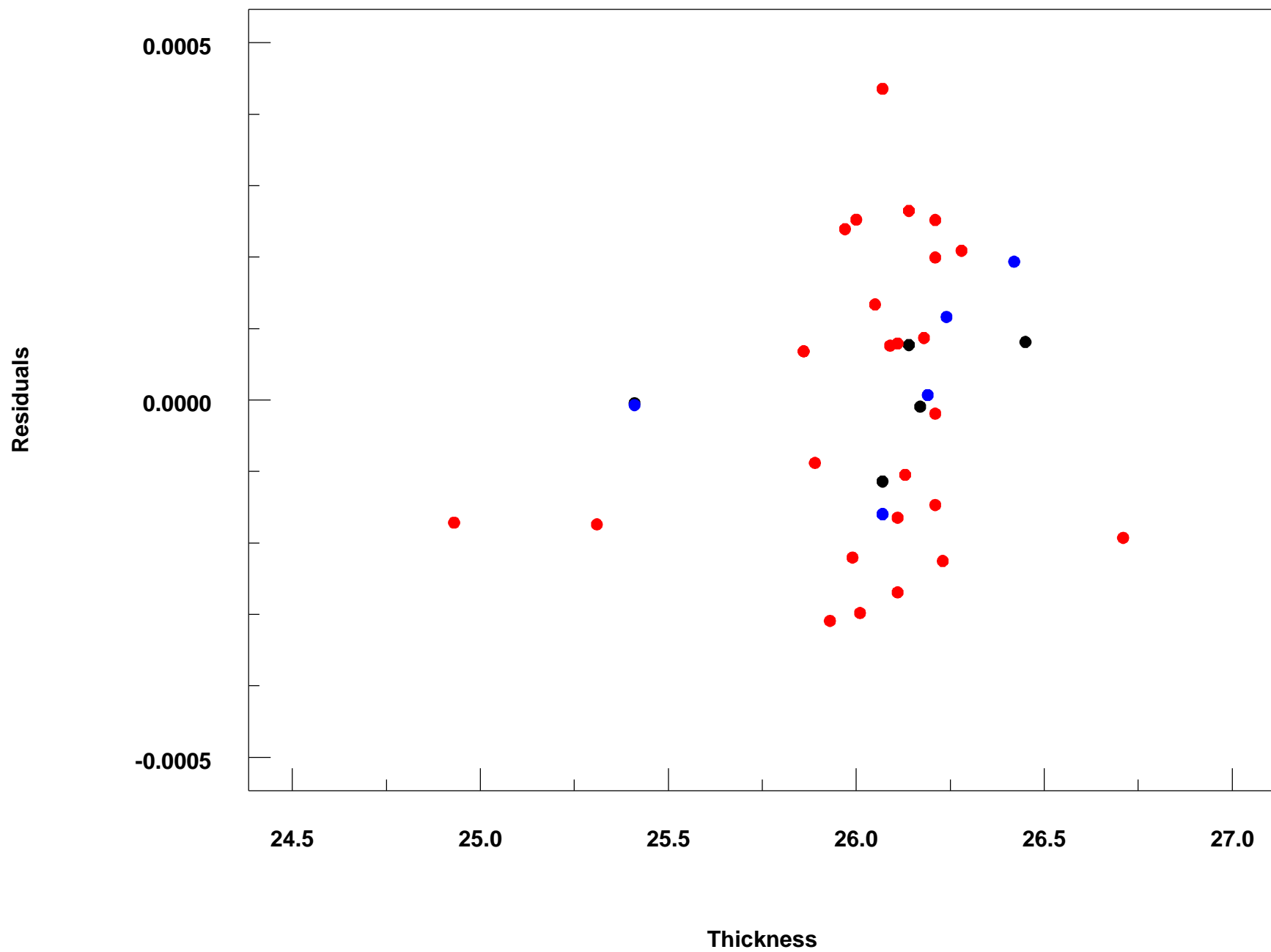
PPCC = 0.9882

1970 Dataset Model 6: $k = 0.0327521622 + 0.0001034972 \cdot t + 0.0000208407 \cdot d + 0 \cdot t^{**3} + 0.0171923356 \cdot e1$

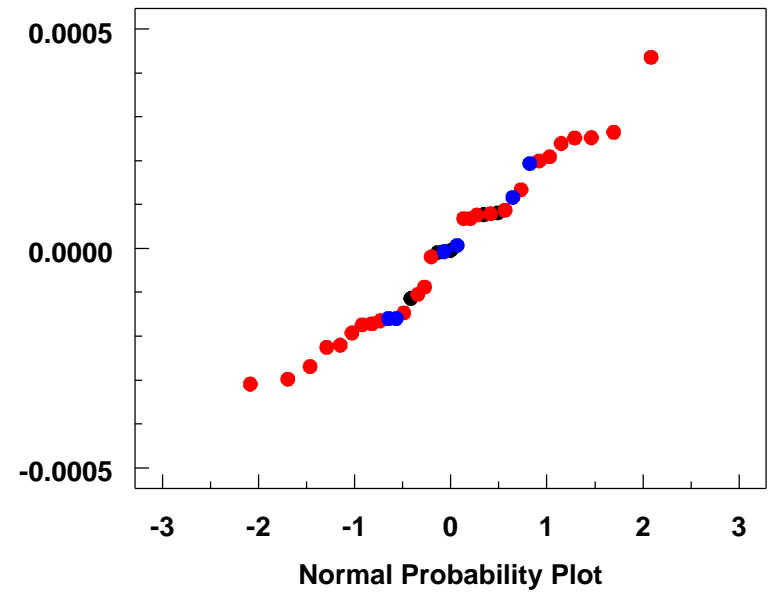
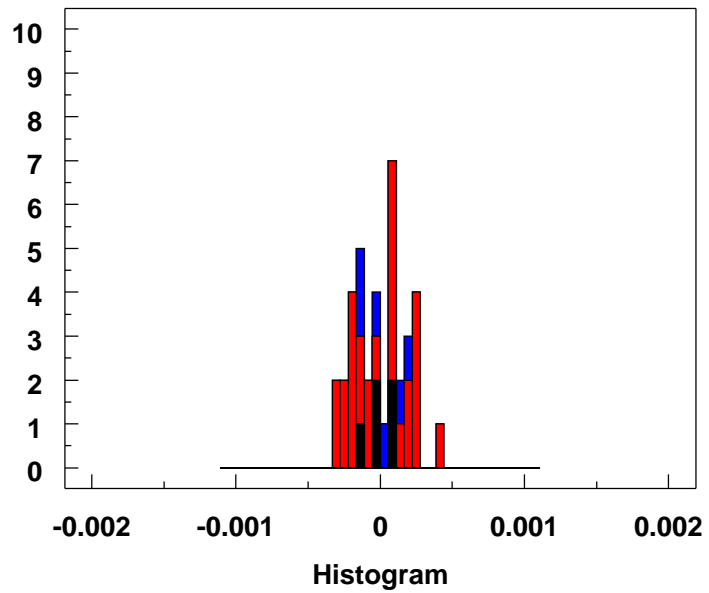
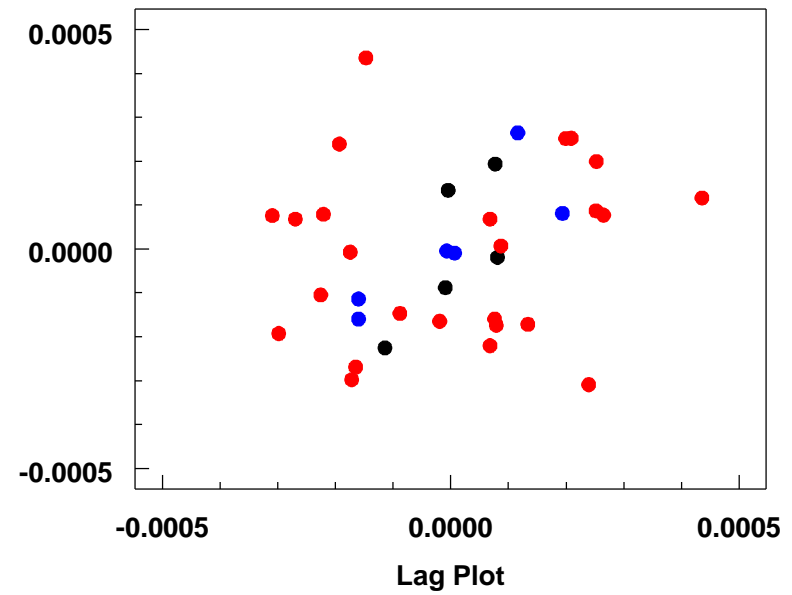
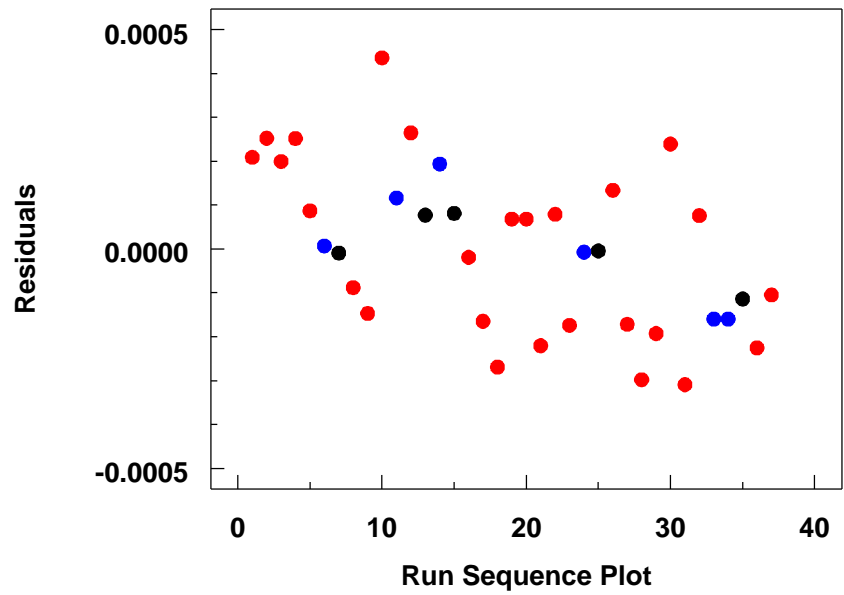
RESSD: 0.0001955312, BIC: -619.261632



1970 Dataset Model 6: Nuisance Factors Versus Residuals

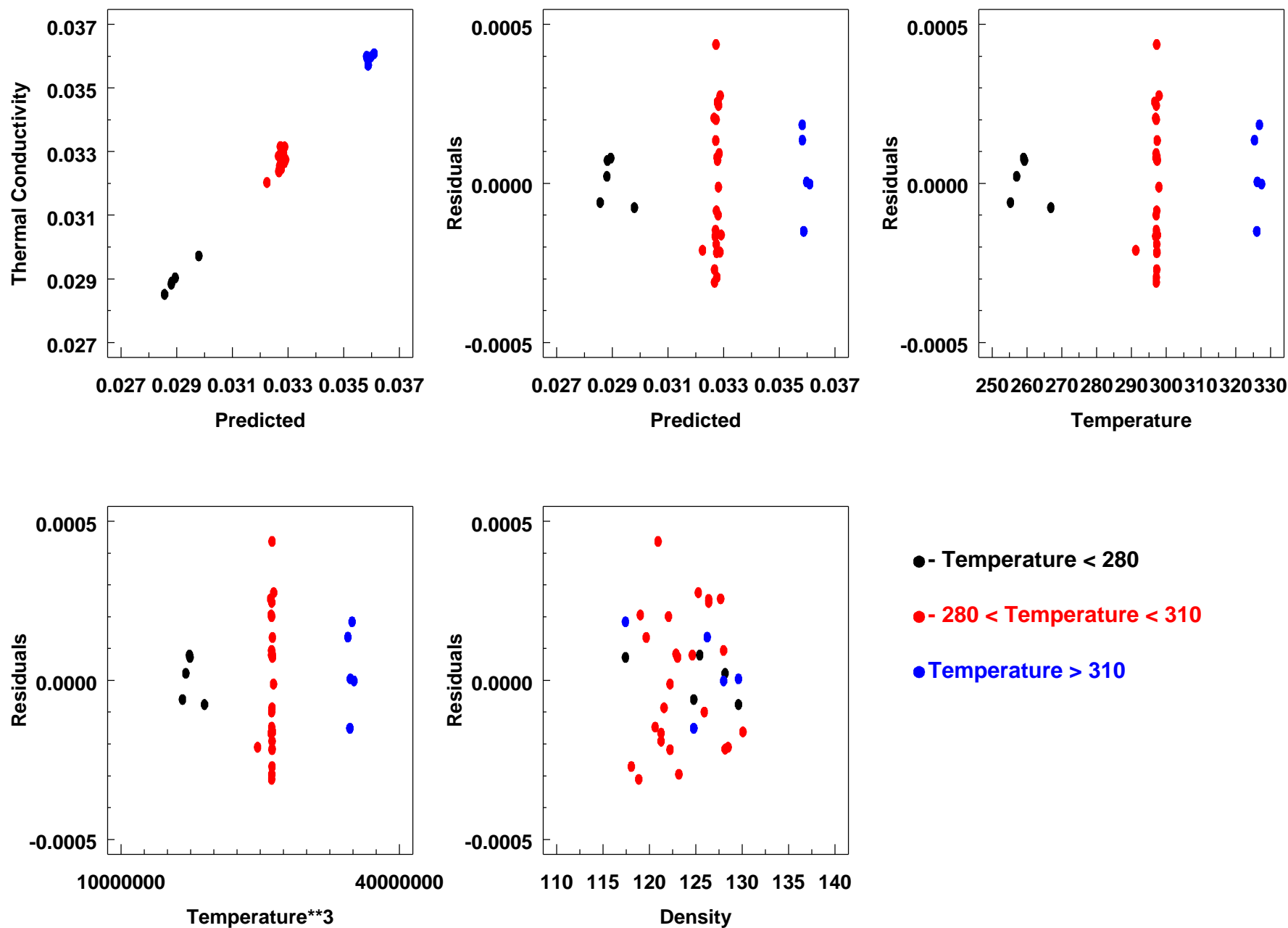


1970 Dataset Model 6: 4-Plot of the Residuals

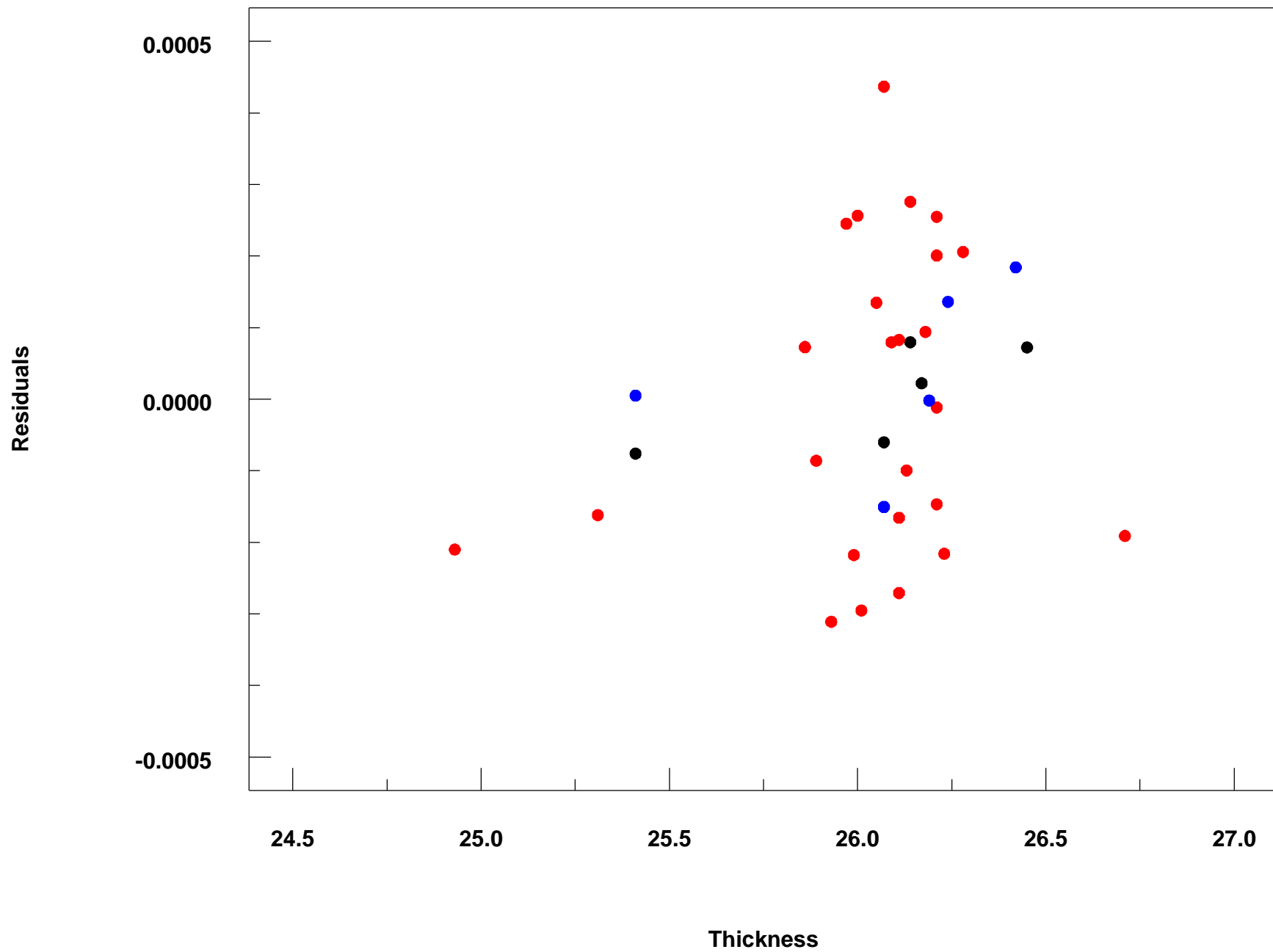


PPCC = 0.9862

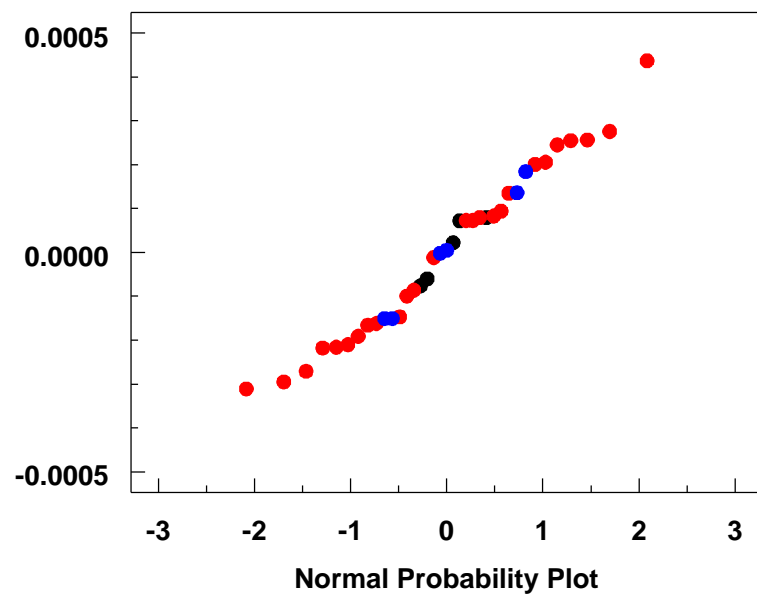
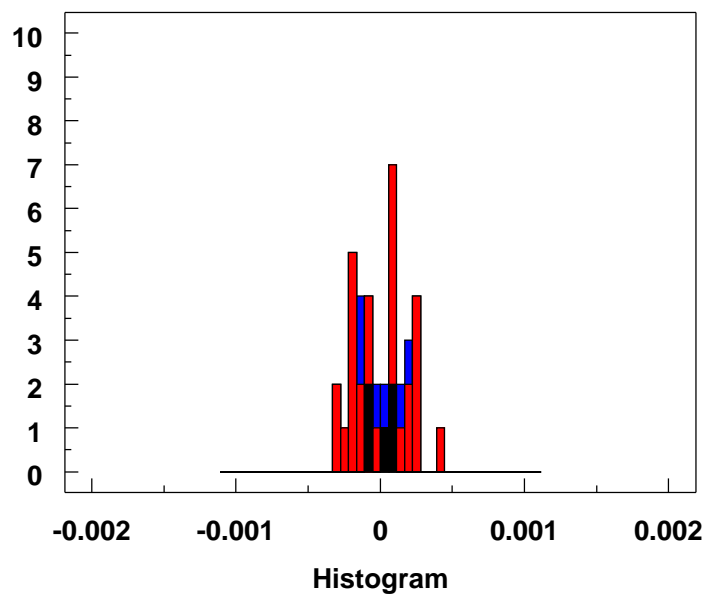
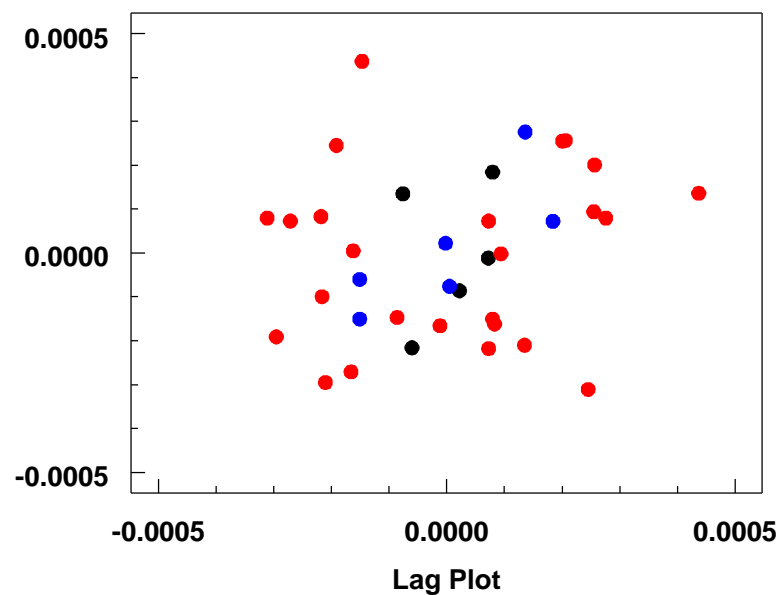
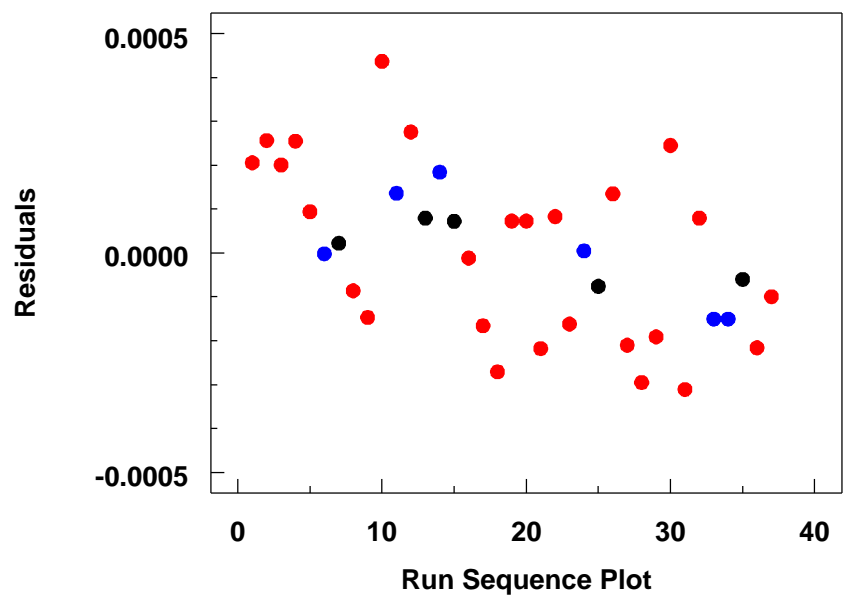
1970 Dataset Model 6a: $k = 0.0047823597 + 0.0000776544 \cdot t + 0.0000185147 \cdot d + 0 \cdot t^{**3} + 118716.17899 \cdot \text{EXP}(-((t-2494.8487452)/-463.0904518)^{**2})$ (RESSD: 0.0002029403, BIC: -611.6816157)



1970 Dataset Model 6a: Nuisance Factors Versus Residuals



1970 Dataset Model 6a: 4-Plot of the Residuals



PPCC = 0.9883

1970

