

The Effects of Minimum Air Temperature and Maximum Air Temperature on Summer Stream Temperature at Reference Temperature Sites, Umpqua Basin

Appendices

**Prepared by:
Denise Dammann Consulting
for Partnership for the Umpqua Rivers (PUR)**

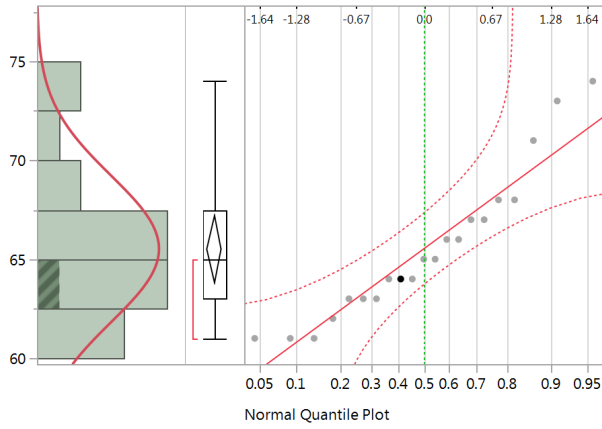
2020

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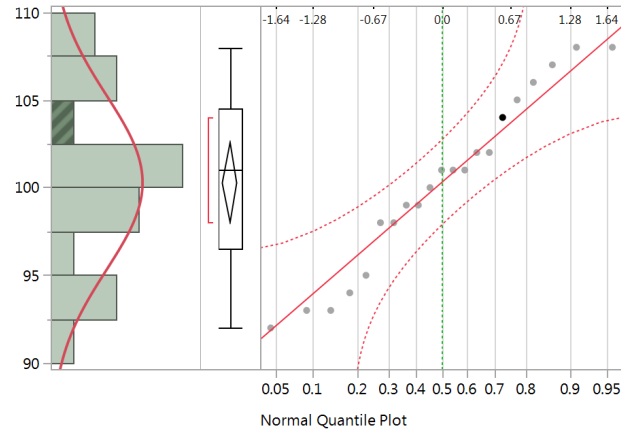
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Calapooya Creek

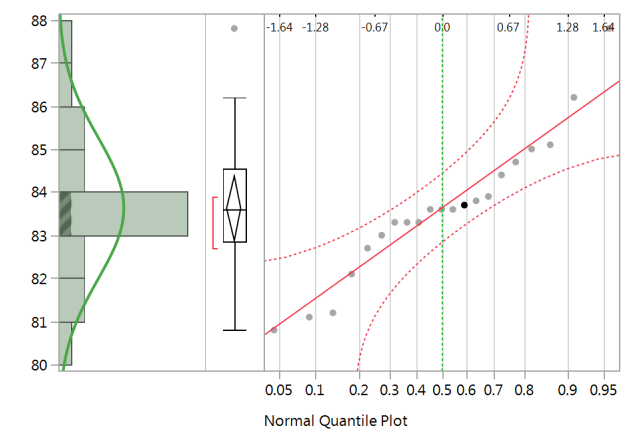
Max Min Air Temp



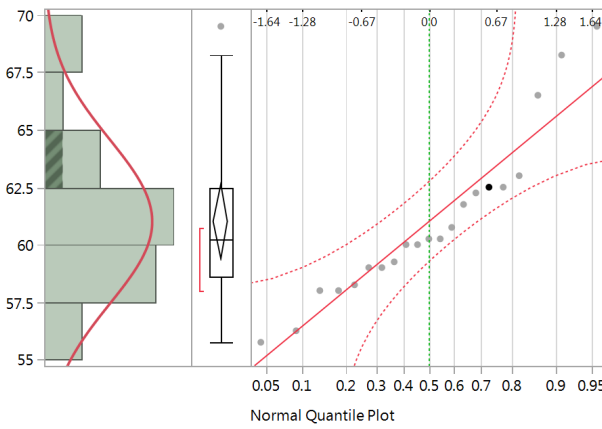
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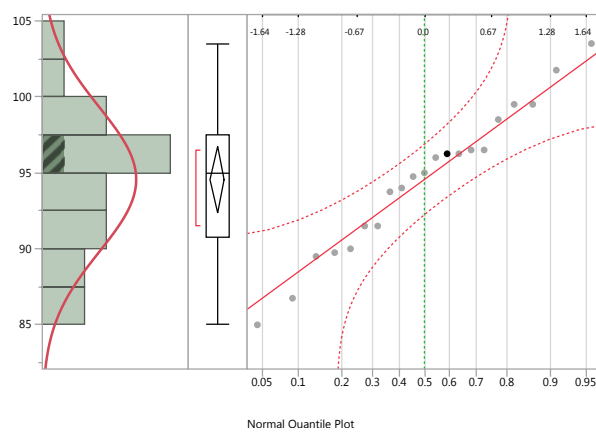
Max Stream Temp



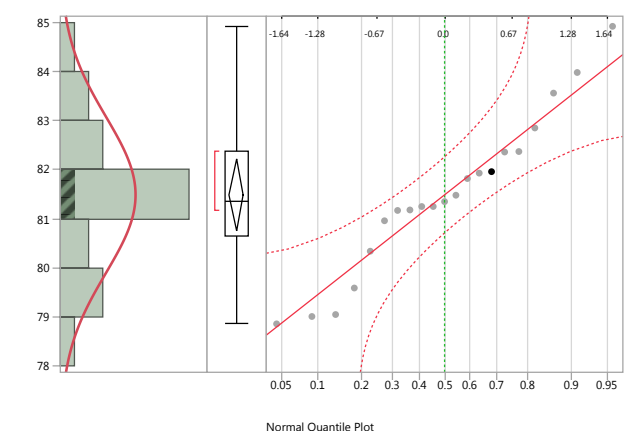
7DA Min Air Temp



7DA Max Air Temp



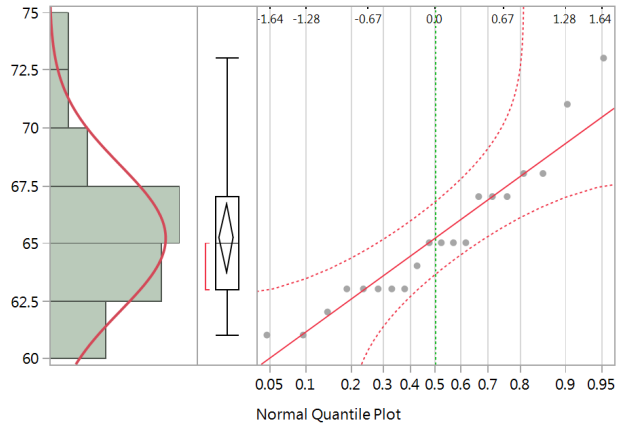
7DAM Stream Temp



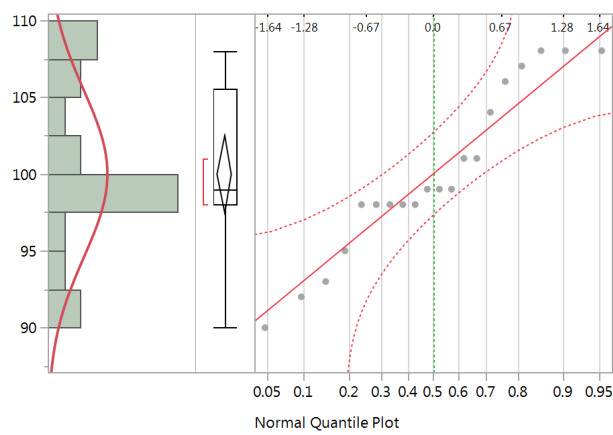
Appendix 1. Normal quantile plots for analyzed data sets. Analysis conducted in JMP Statistical Software from SAS. See Table 5 in Report for definition of terms. (5 pages)

Camp Creek

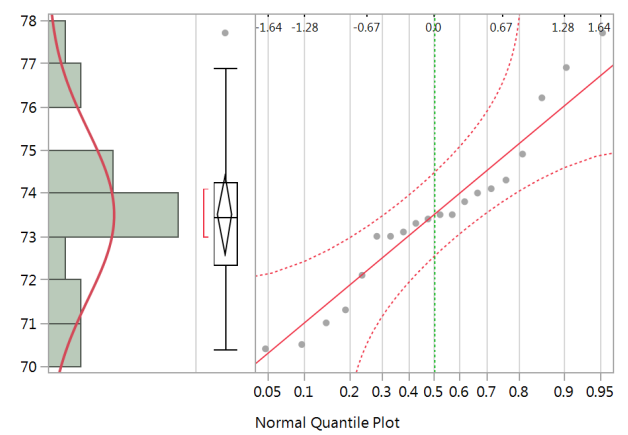
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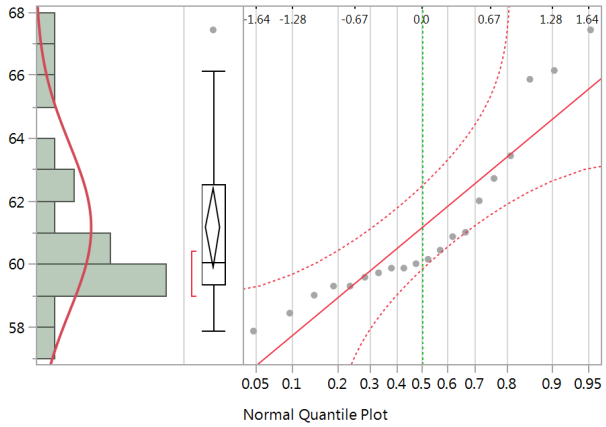
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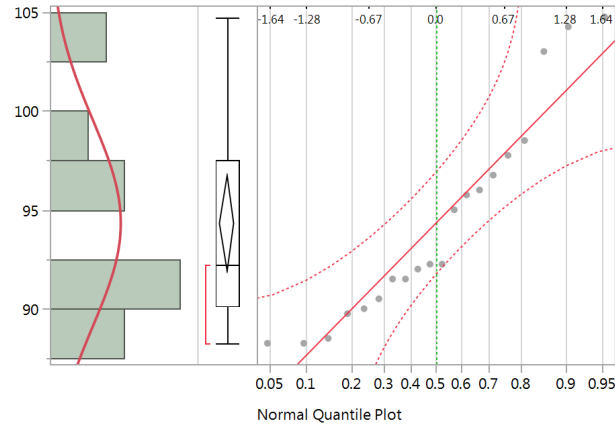
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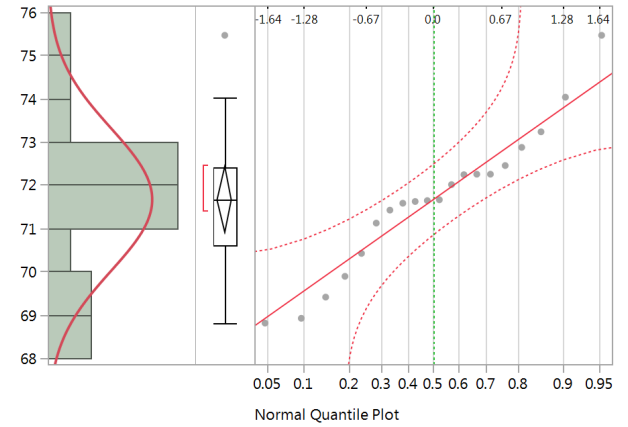
7DA Min Air Temp



7DA Max Air Temp

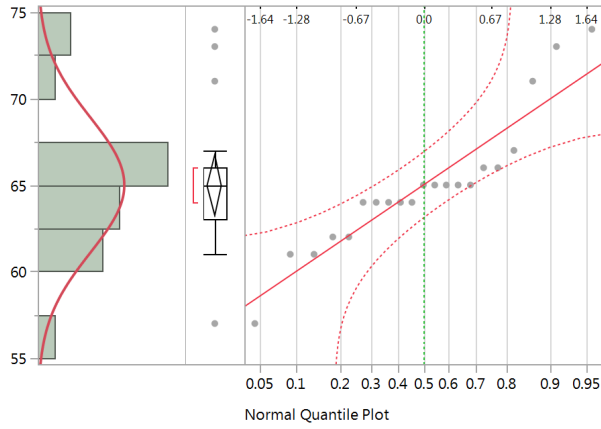


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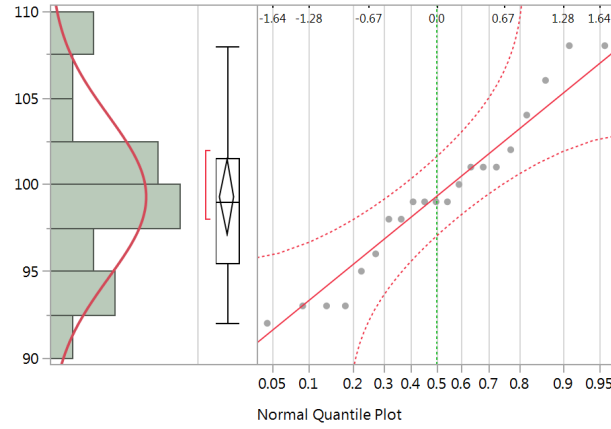


North Myrtle Creek

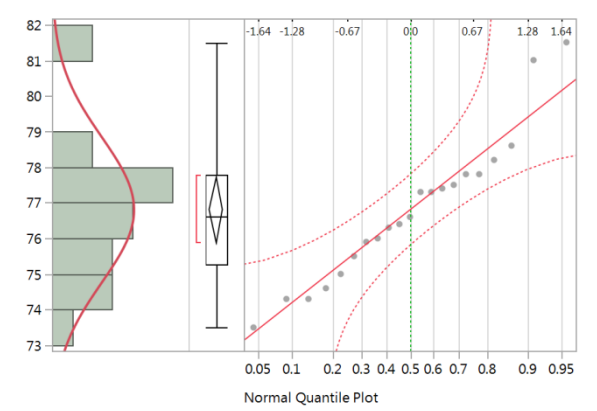
Max Min Air Temp



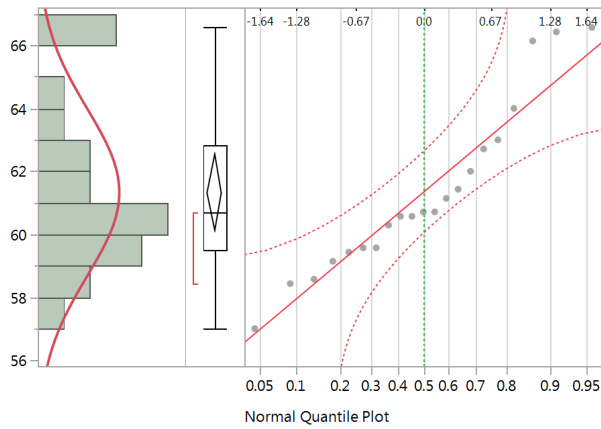
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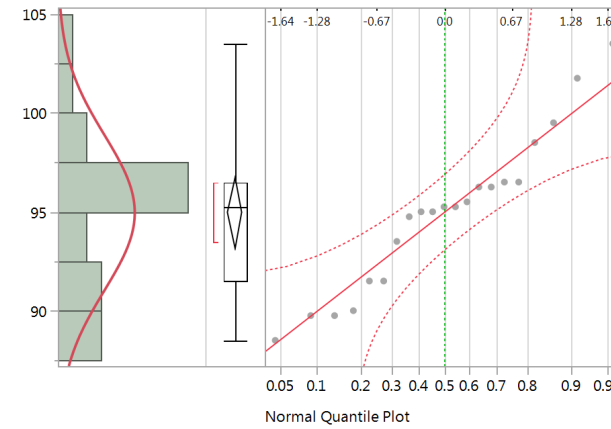
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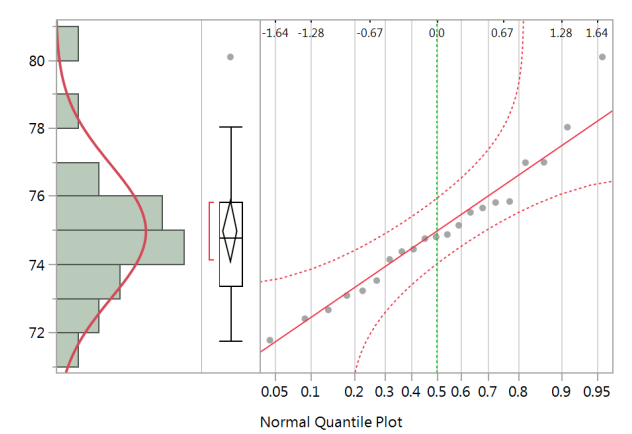
7DA Min Air Temp



7DA Max Air Temp

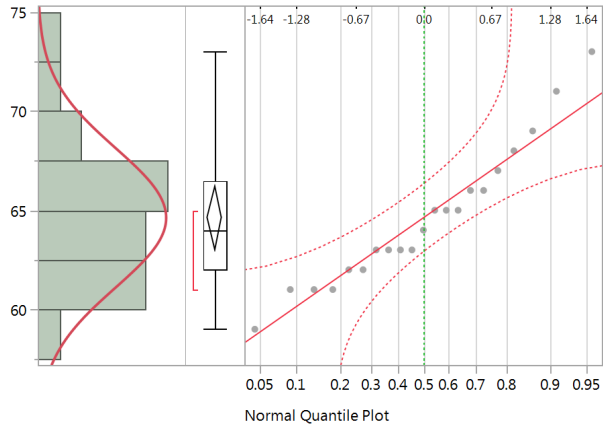


7DAM Stream Temp

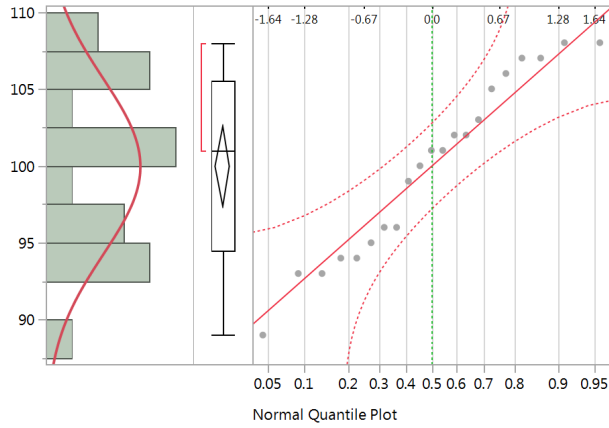


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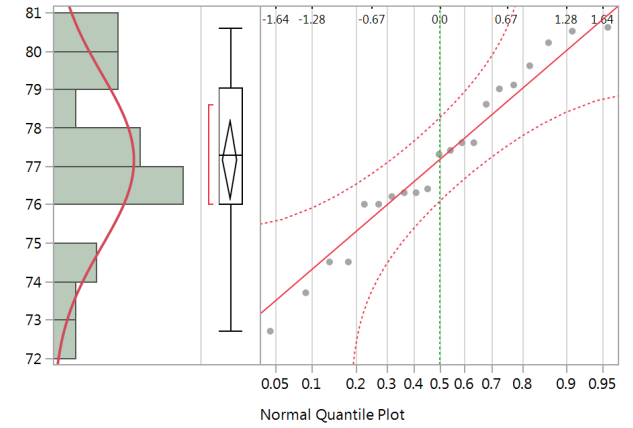
Max Min Air Temp



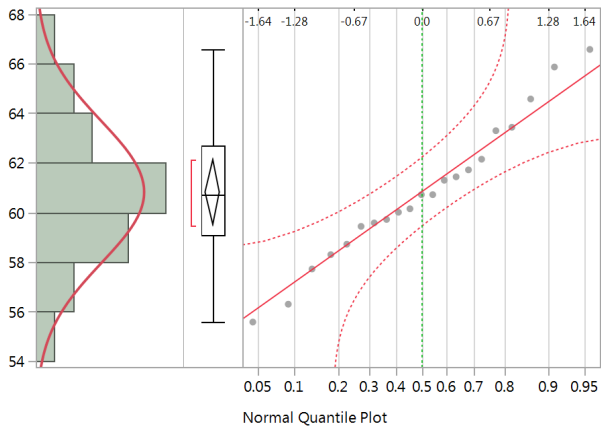
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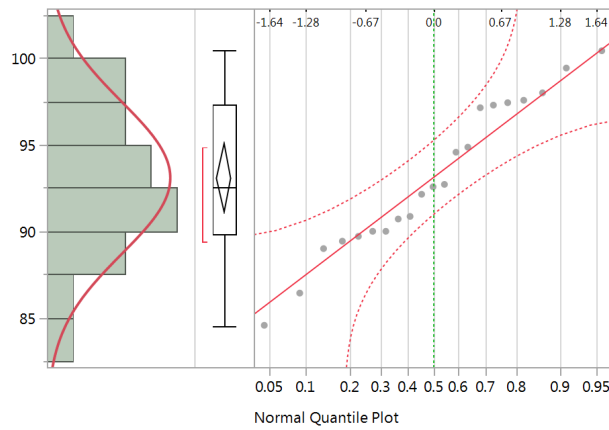
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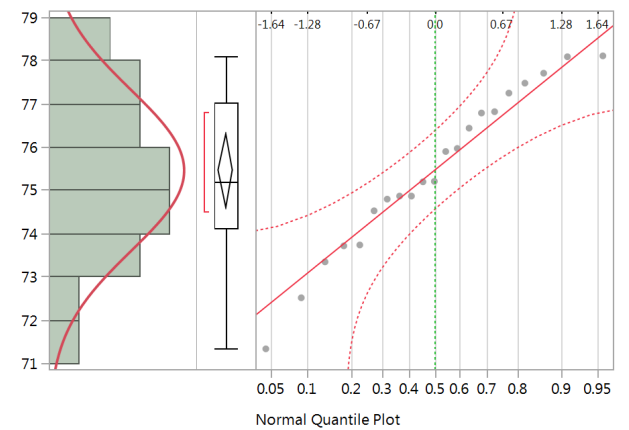
7DA Min Air Temp



7DA Max Air Temp

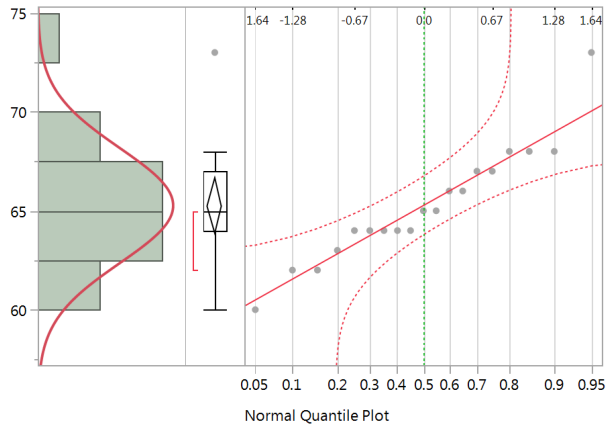


7DAM Stream Temp

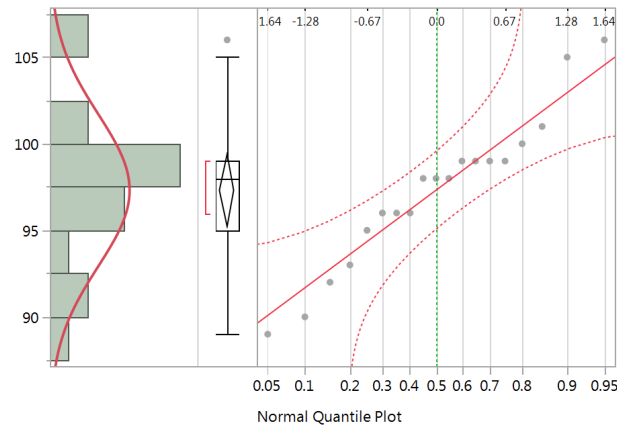


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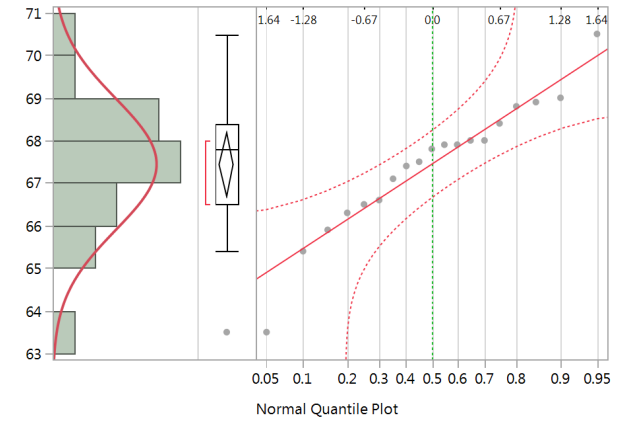
Max Min Air Temp



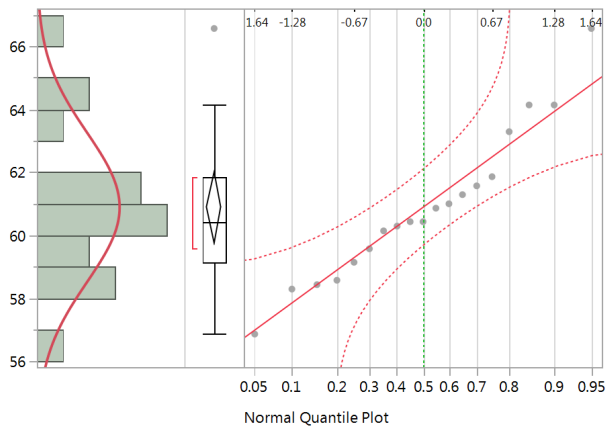
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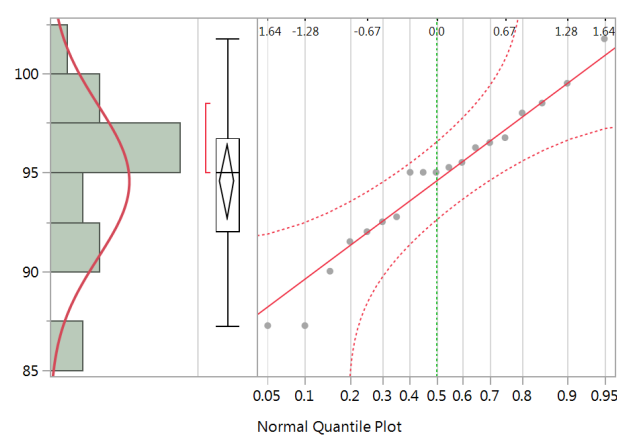
Max Stream Temp



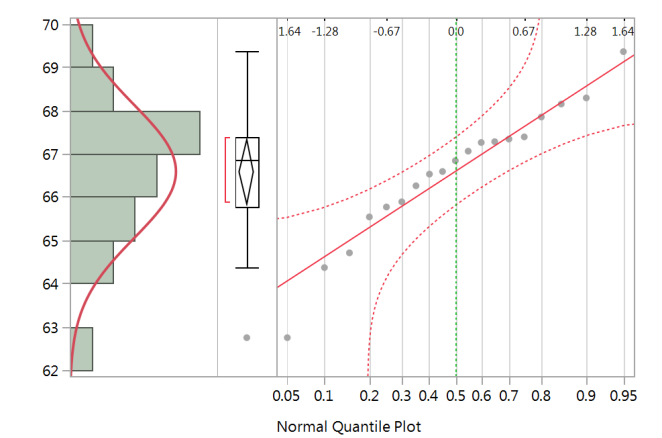
7DA Min Air Temp



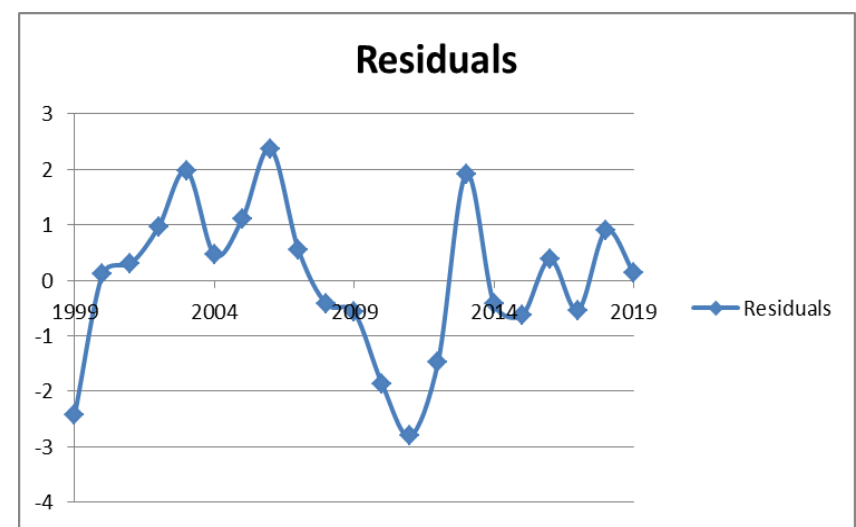
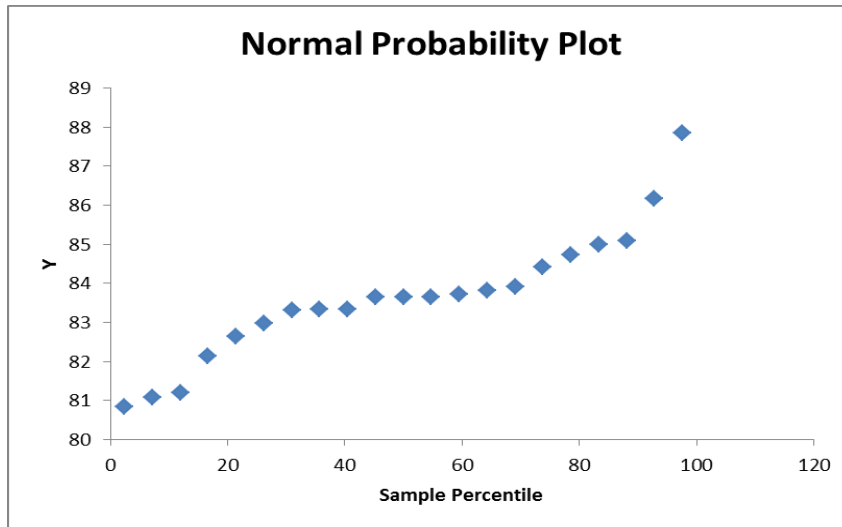
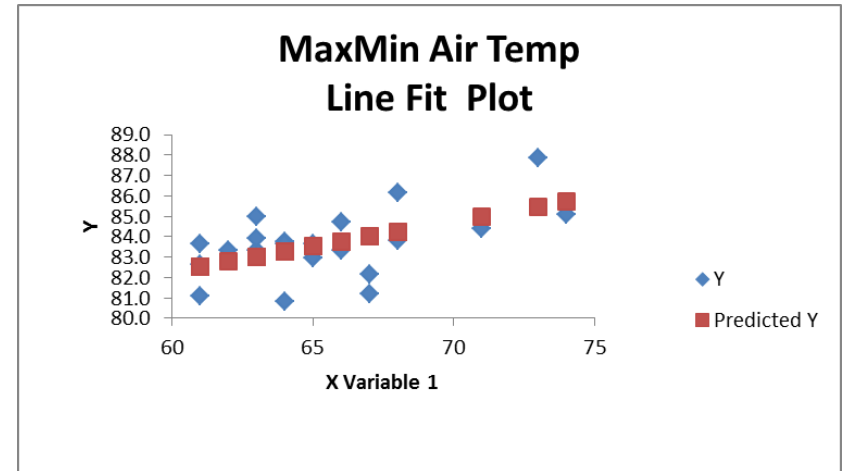
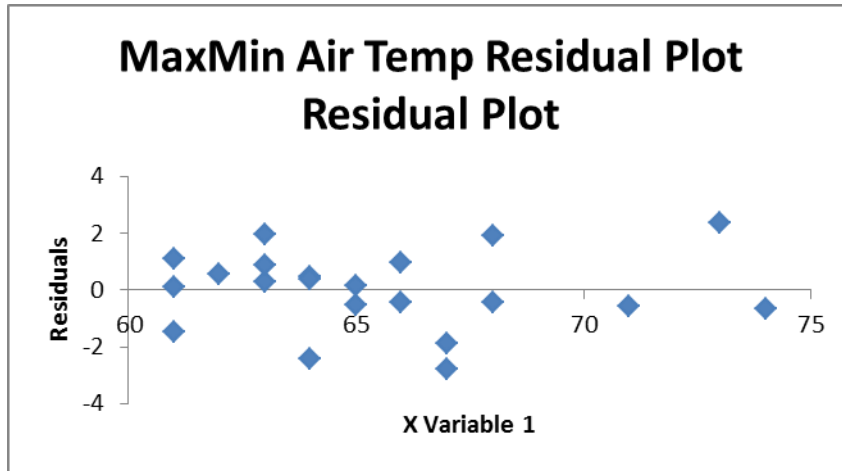
7DA Max Air Temp



7DAM Stream Temp

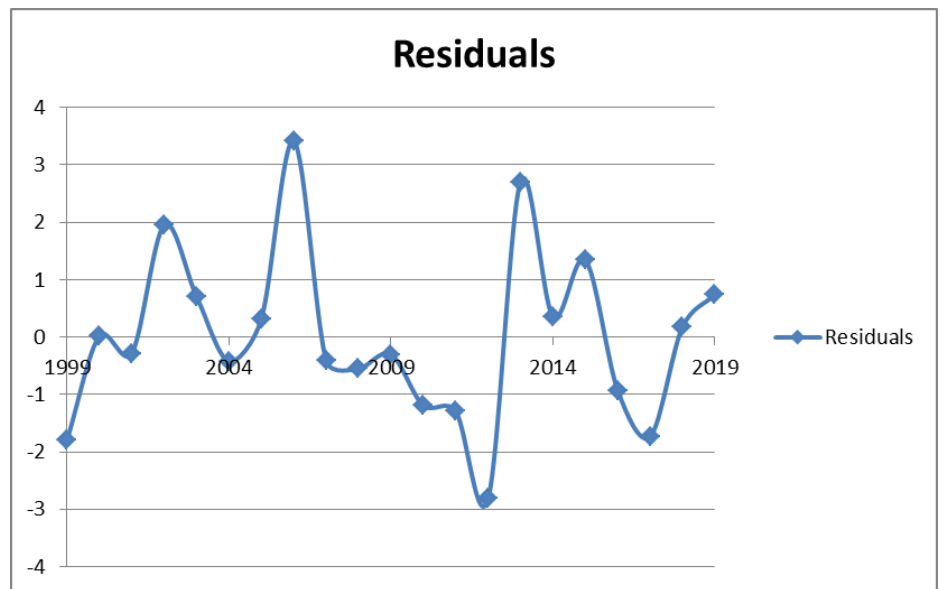
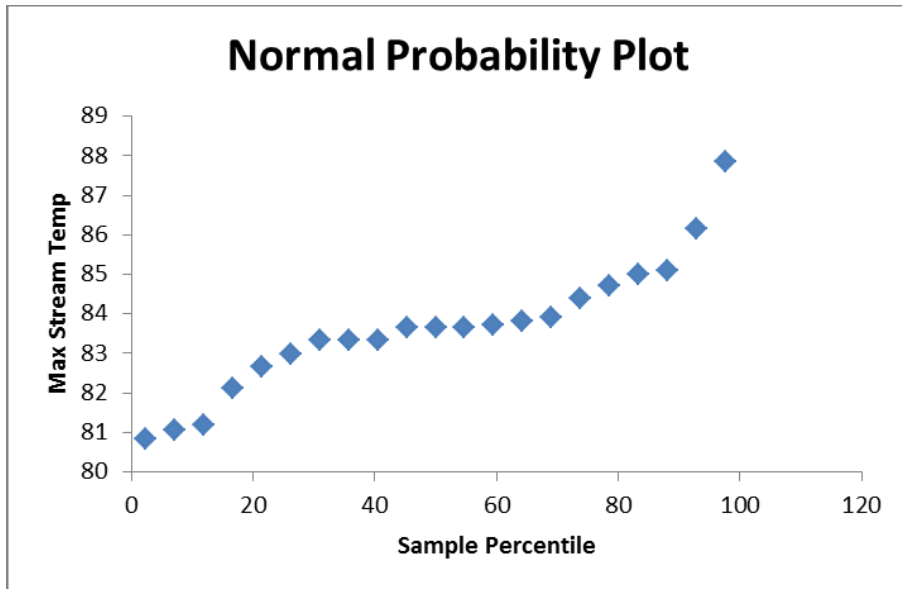
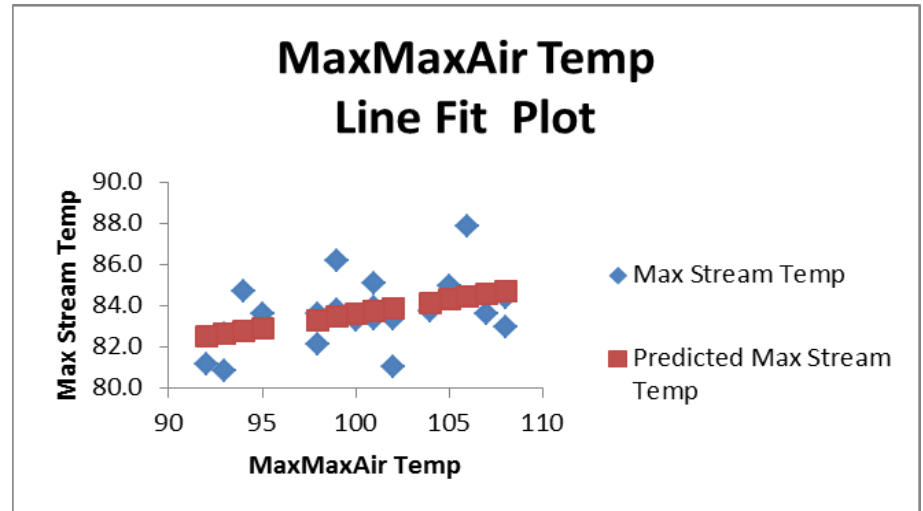
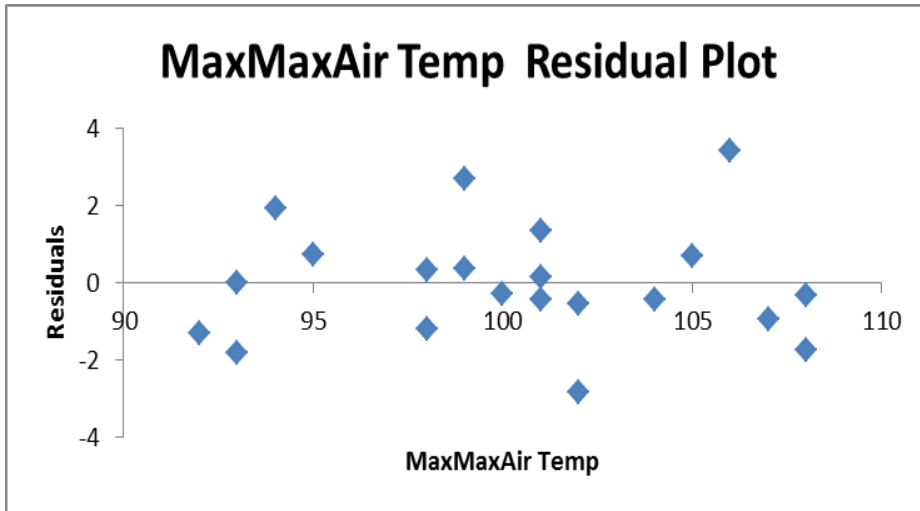


Calapooya Creek – Max Min Air Temp to Max Stream Temperature

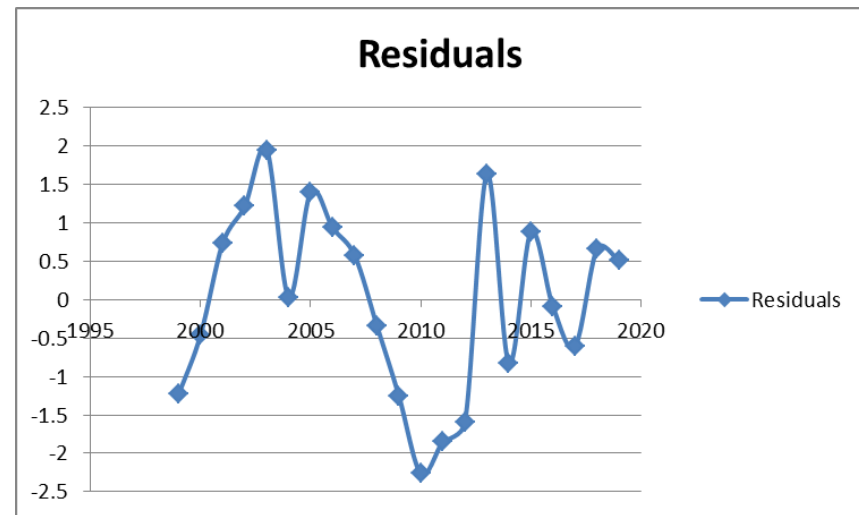
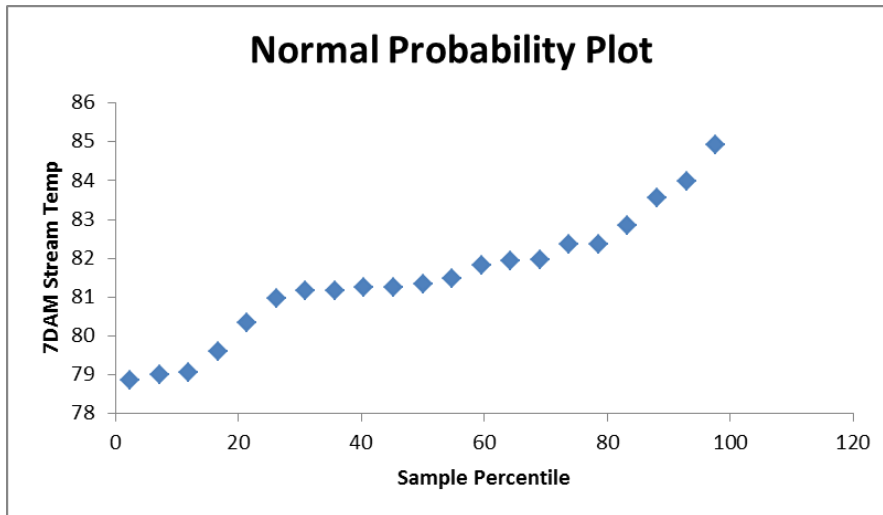
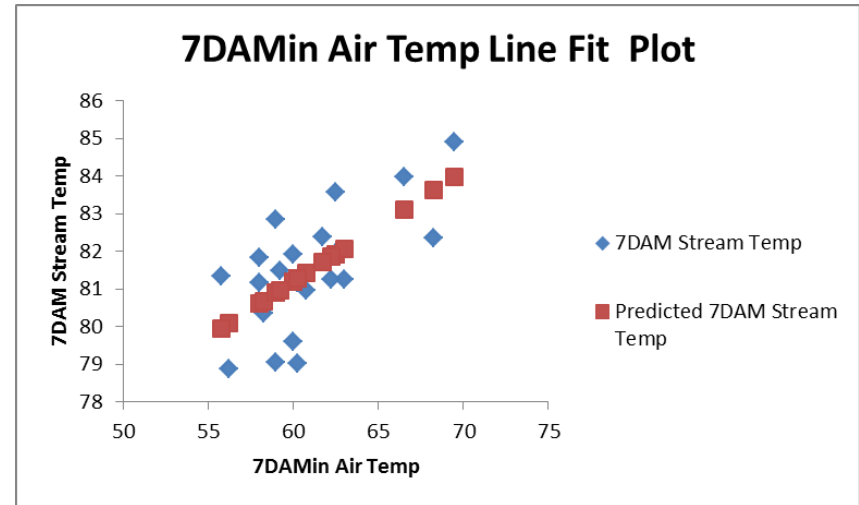
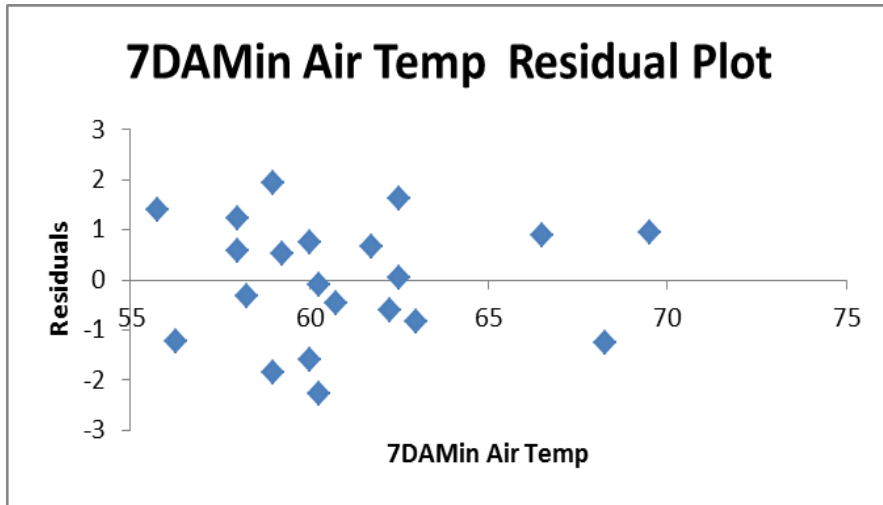


Appendix 2. Regression statistics, residual plots, and normal probability plots for (1) Max Min Air Temp to Max Stream Temp (2) Max Max Air Temp to Max Stream Temp (3) 7 day average (7DA) Min Air Temp to 7 day average maximum (7DAM) Stream Temp and (4) 7DA Max Air Temp to 7DAM Stream Temp. See Table 5 in Report for definition of terms. Analysis conducted in MS Excel Analysis ToolPak. (20 pages)

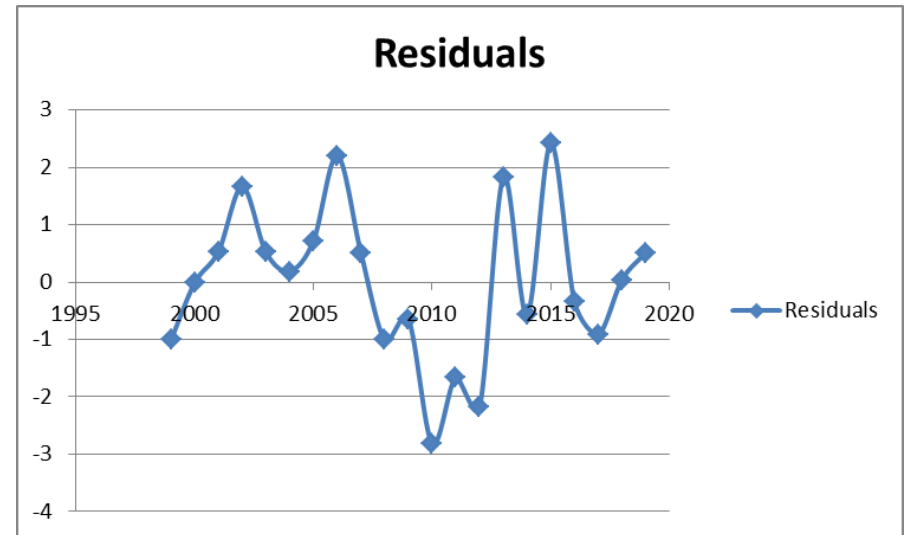
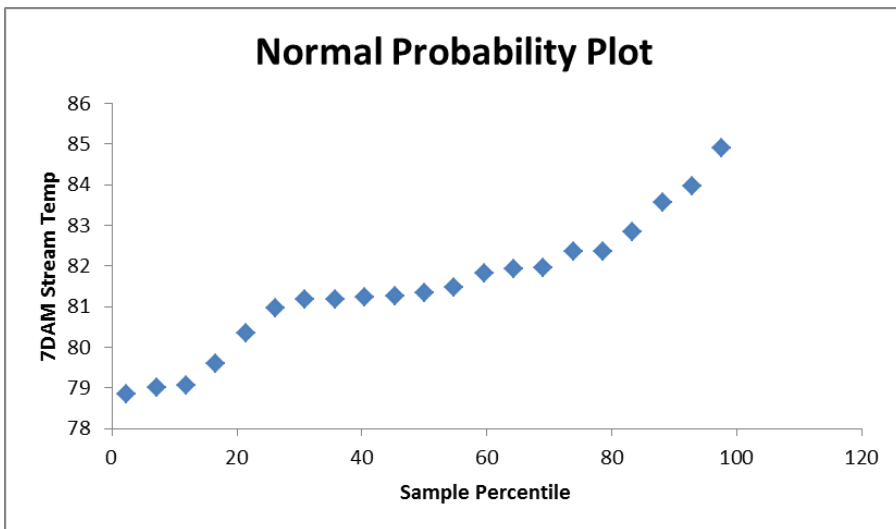
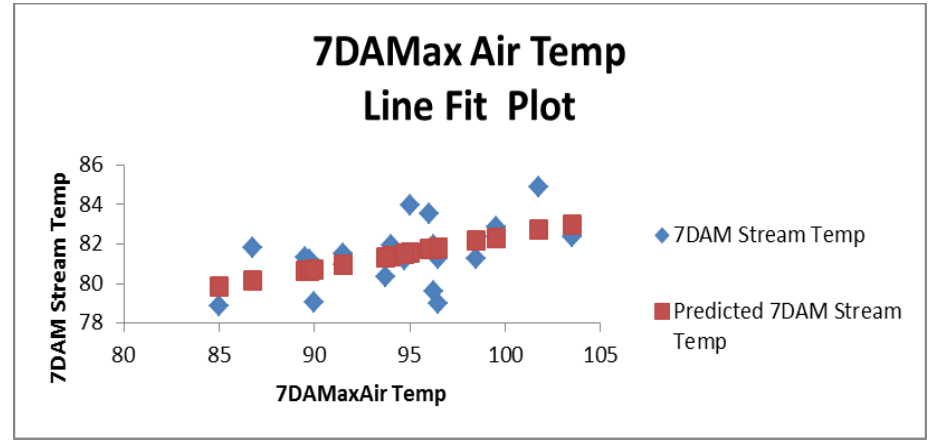
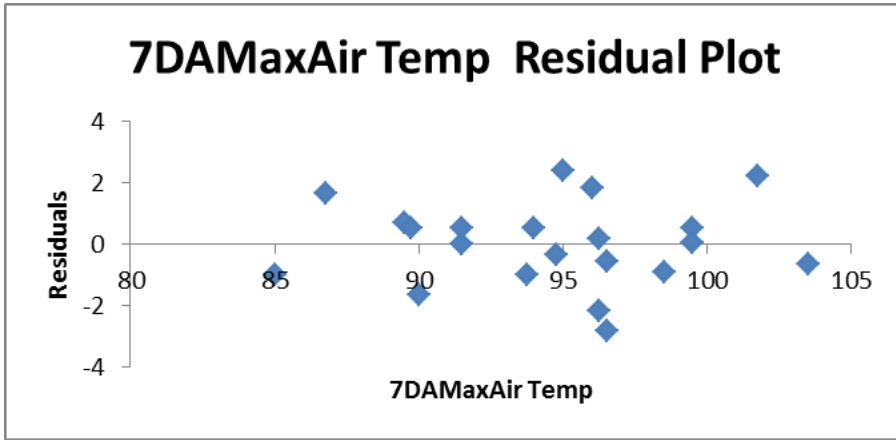
Calapooya Creek – Max Max Air Temp to Max Stream Temp



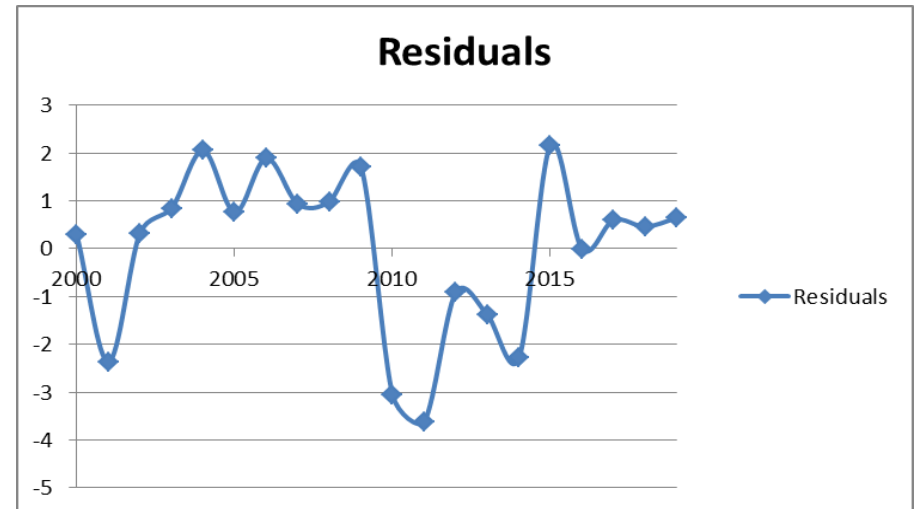
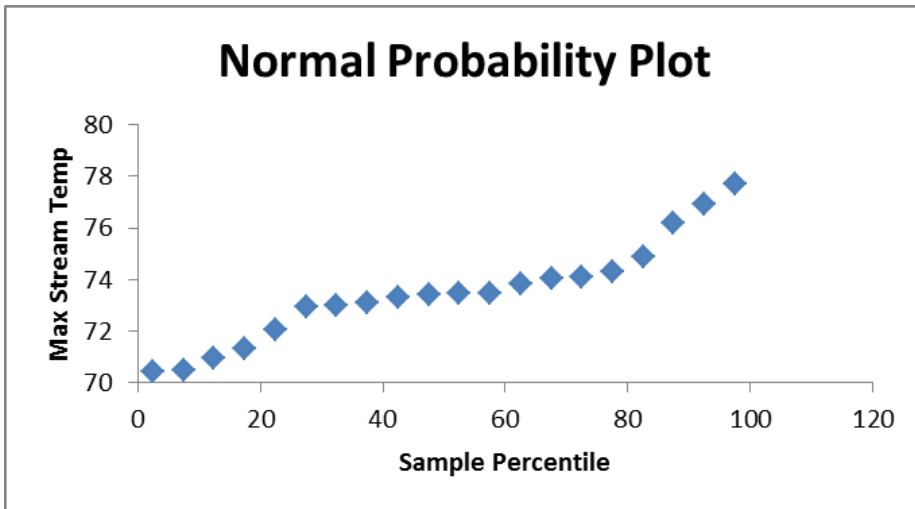
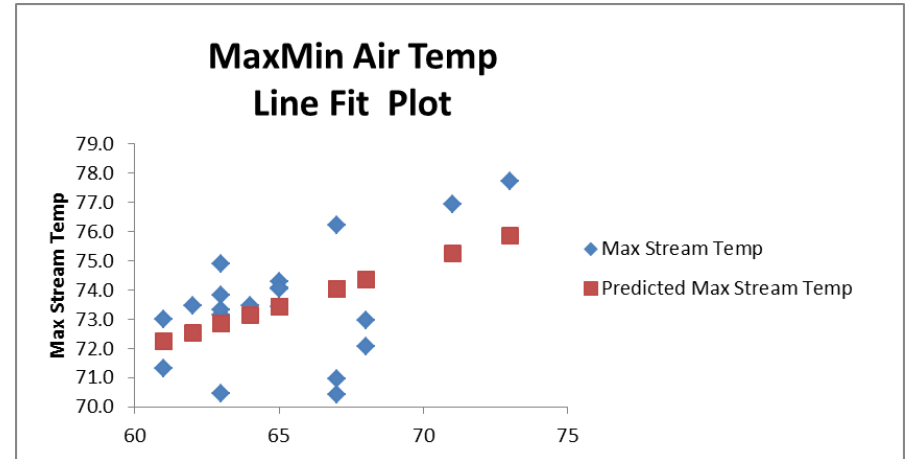
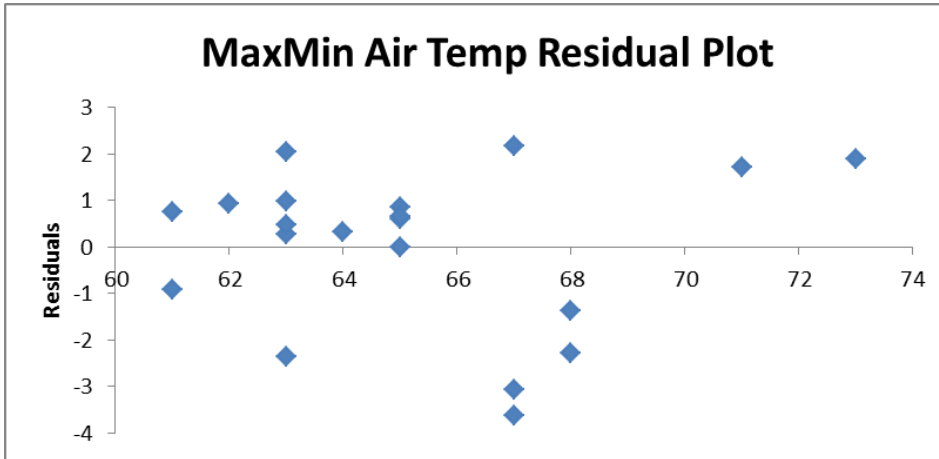
Calapooya Creek – 7DA Min Air Temp to 7DAM Stream Temperature



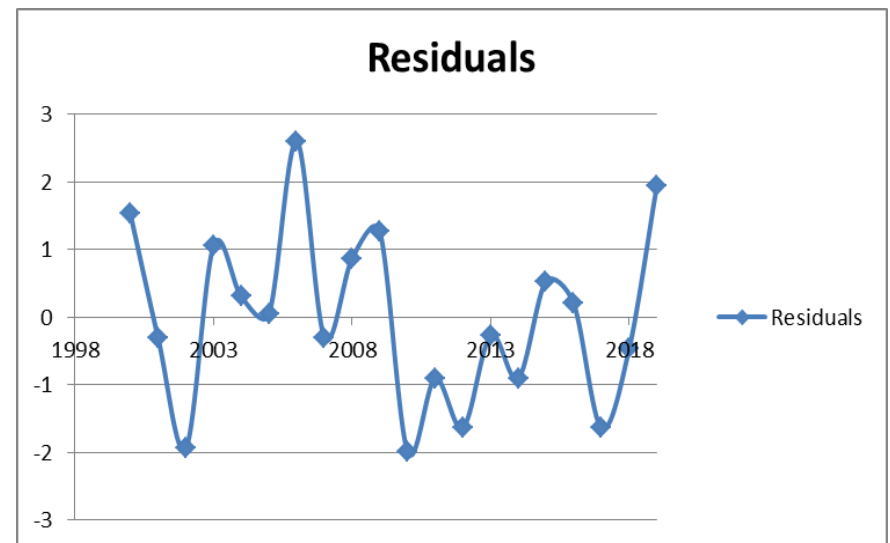
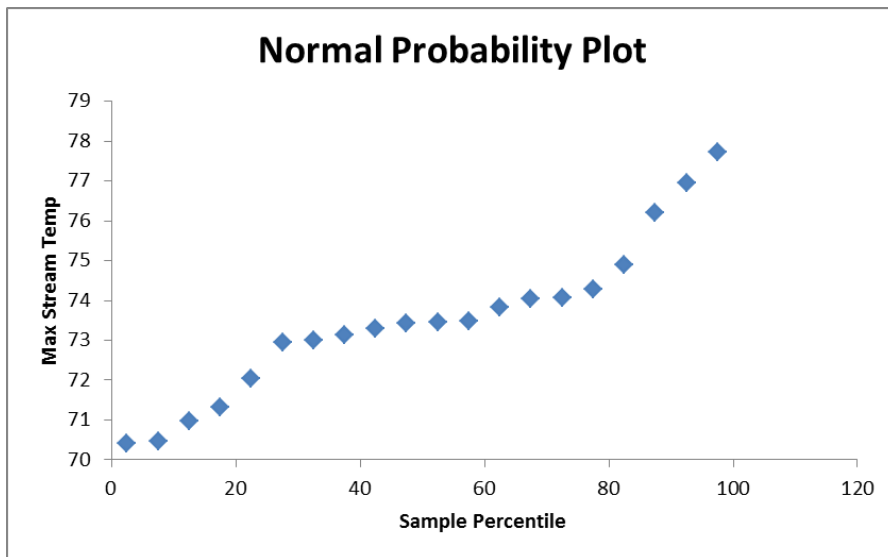
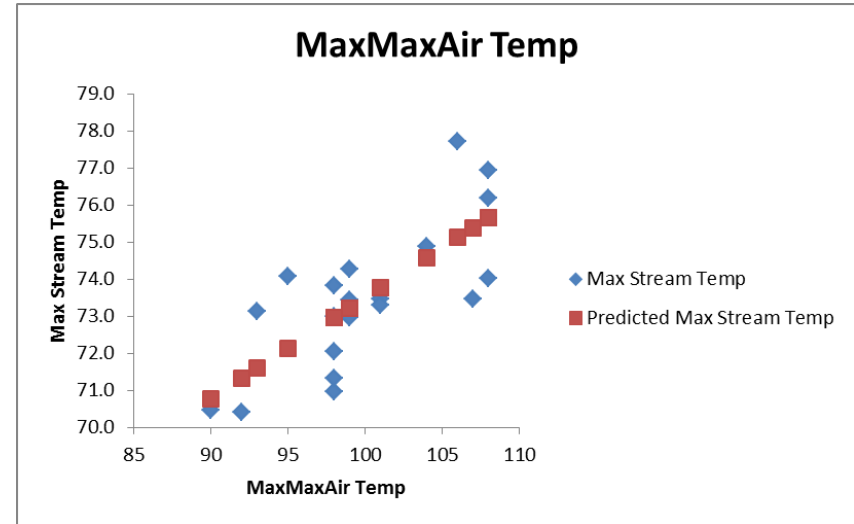
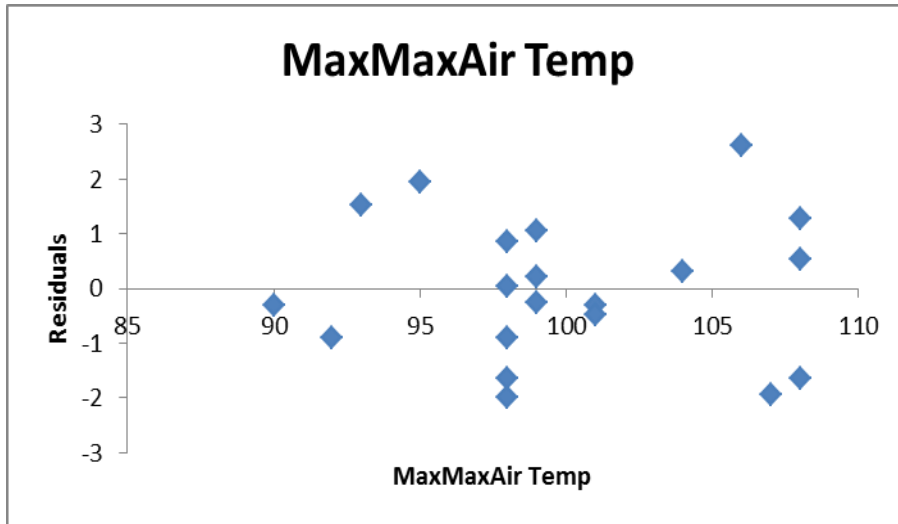
Calapooya Creek – 7DA Max Air Temp to 7DAM Stream Temperature



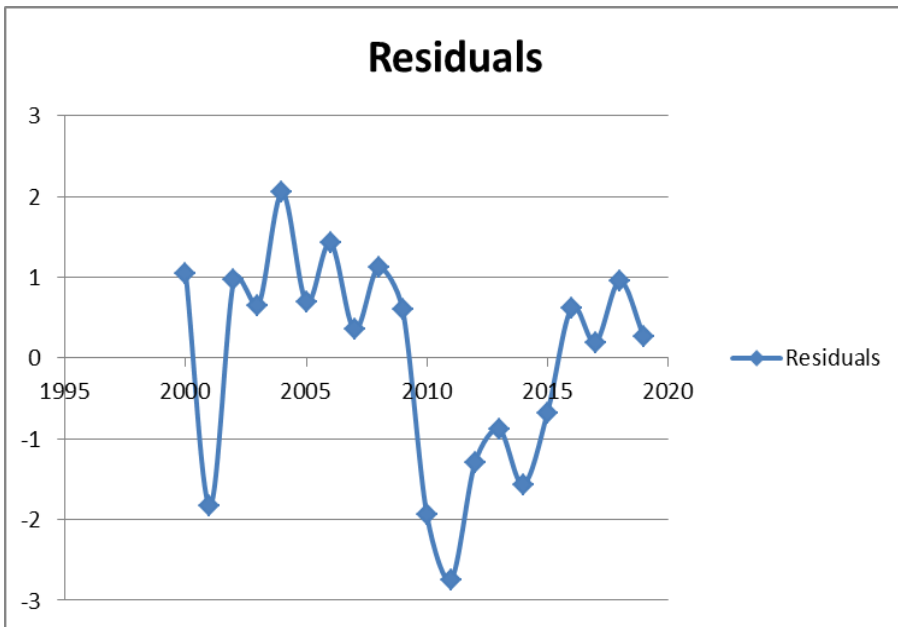
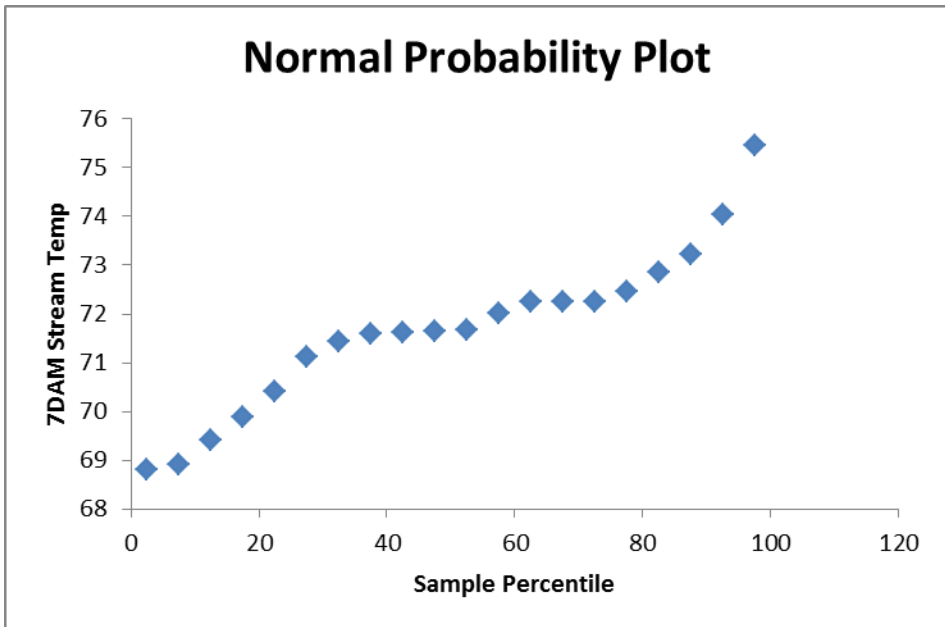
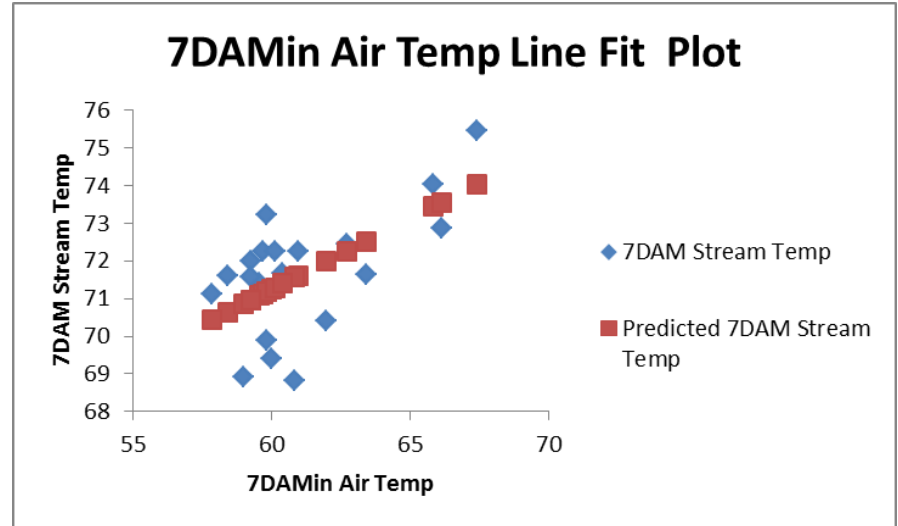
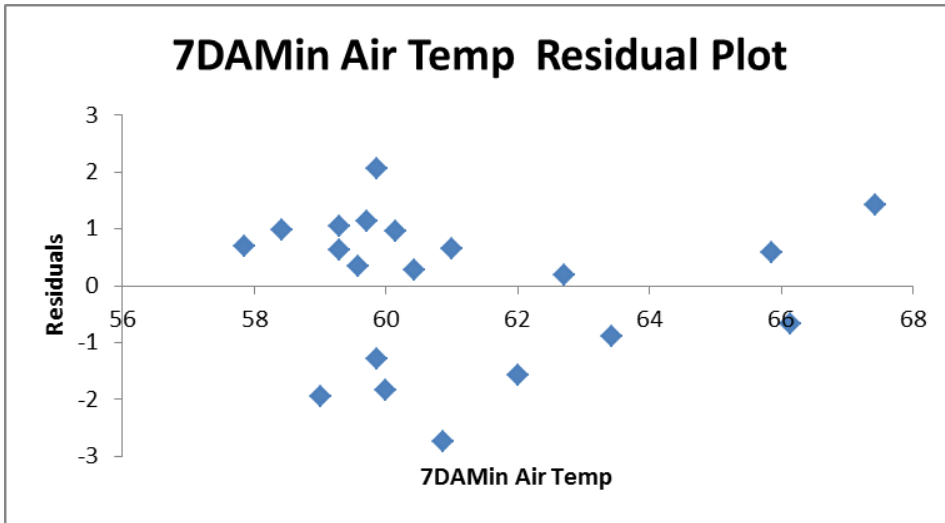
Camp Creek – Max Min Air Temp to Max Stream Temperature



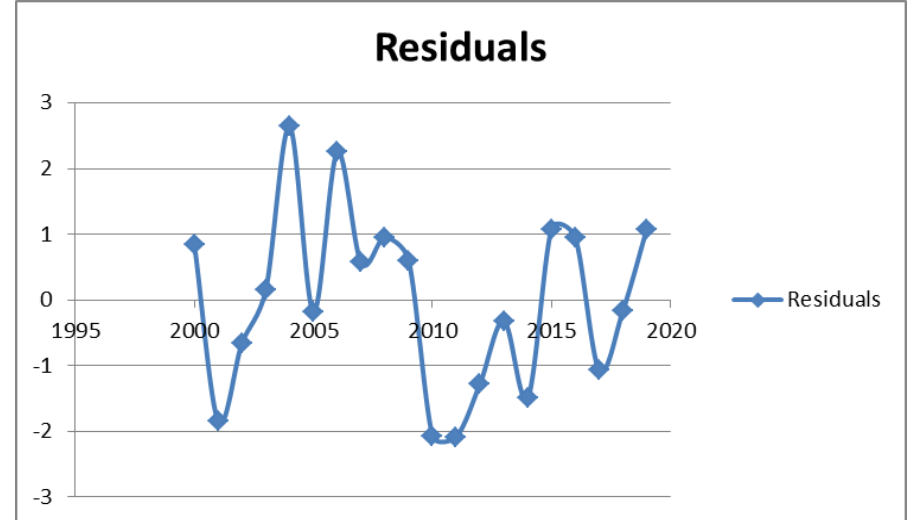
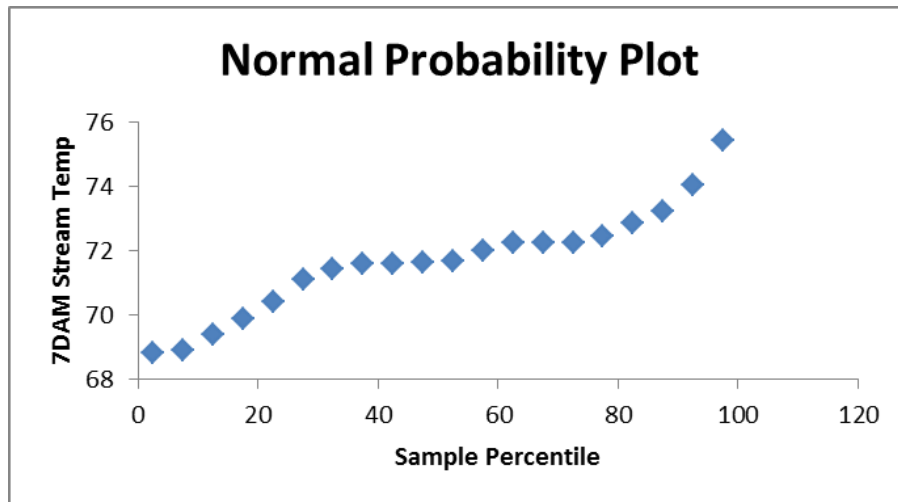
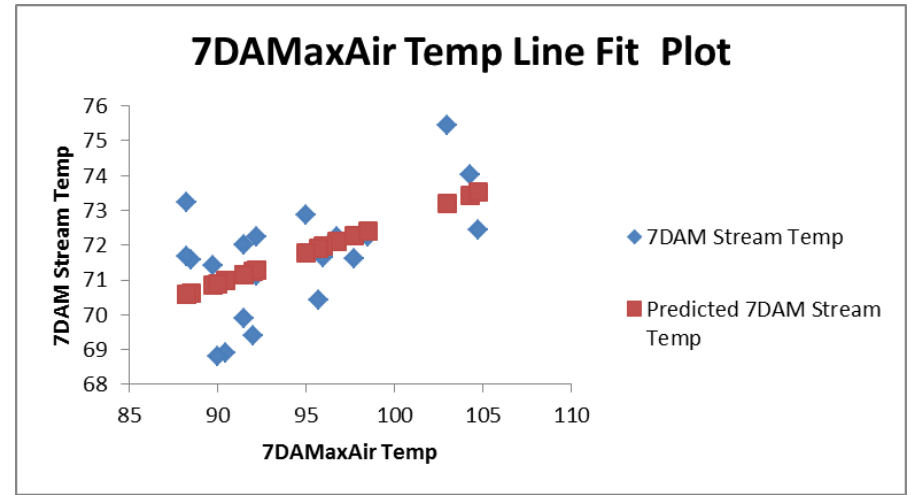
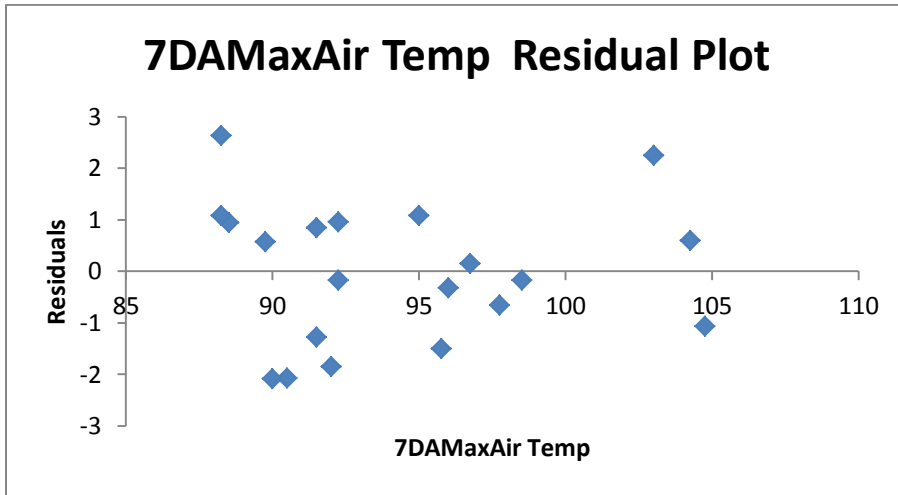
Camp Creek – Max Max Air Temp to Max Stream Temperature



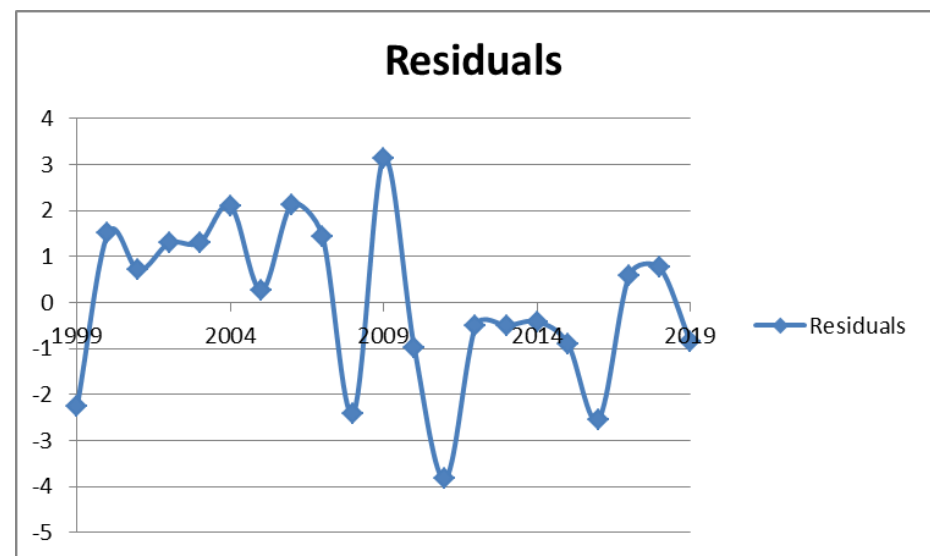
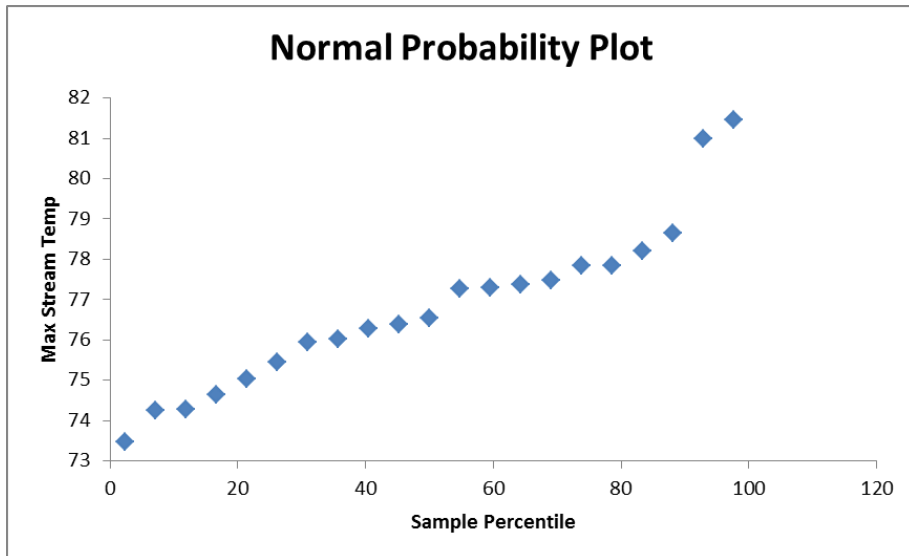
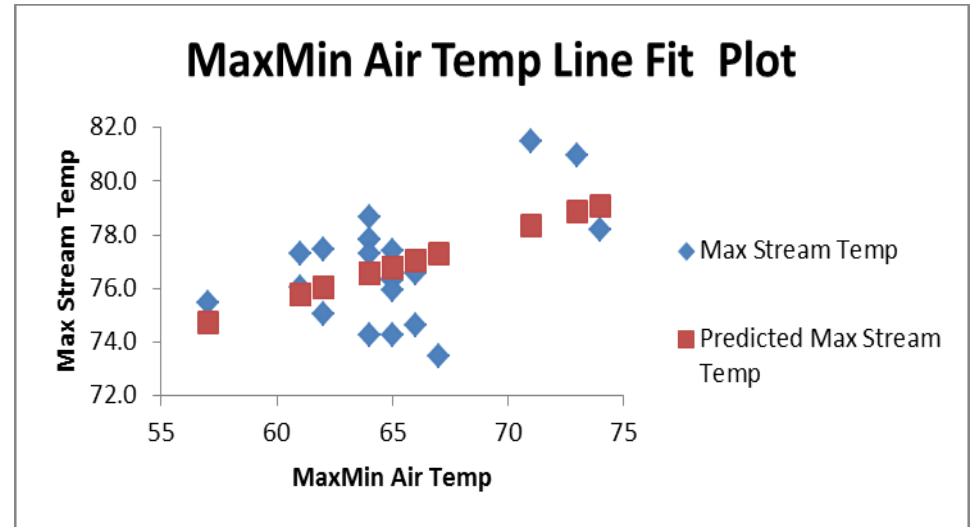
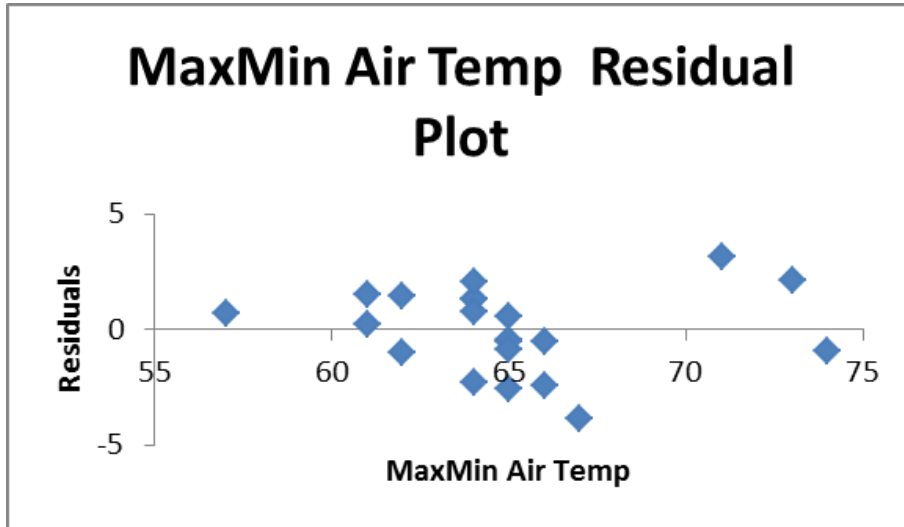
Camp Creek – 7DA Min Air Temp to 7DAM Stream Temperature



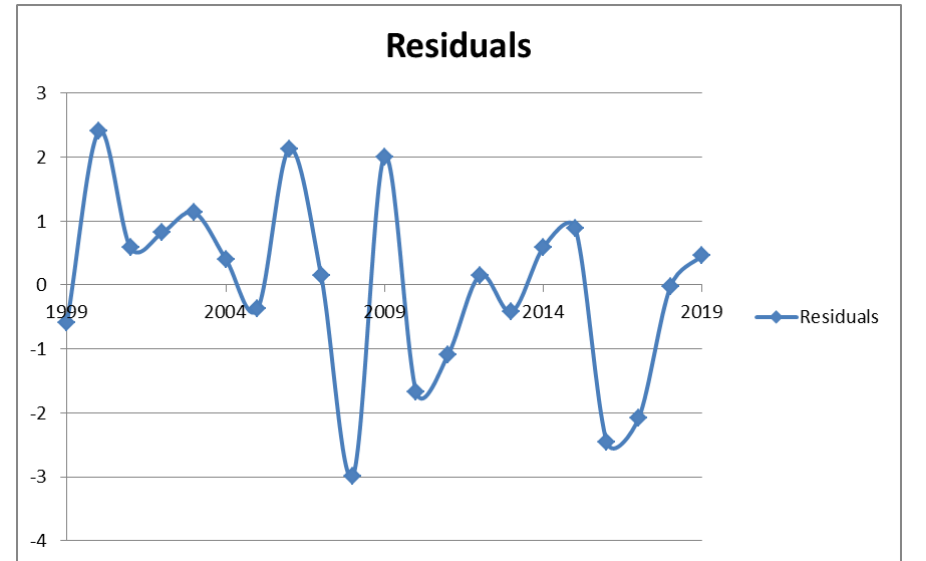
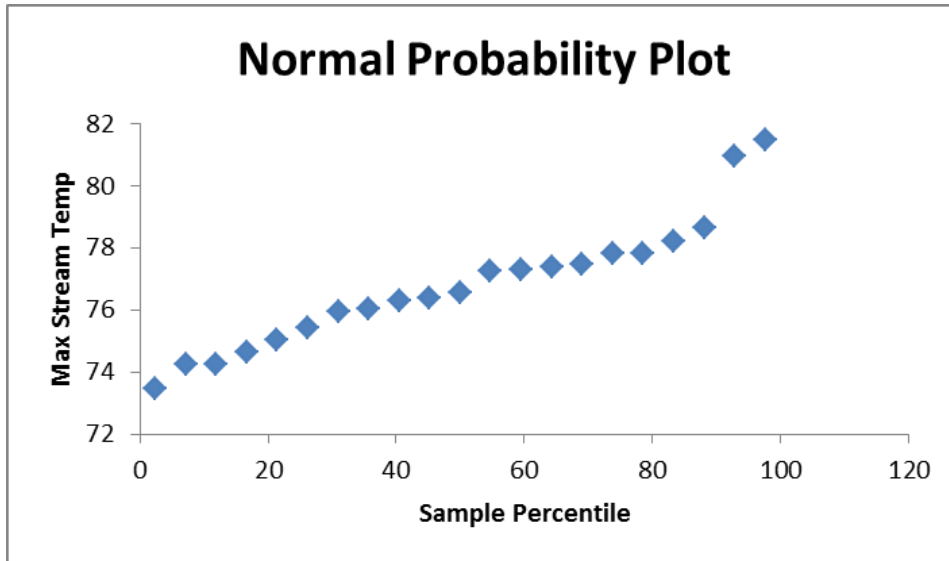
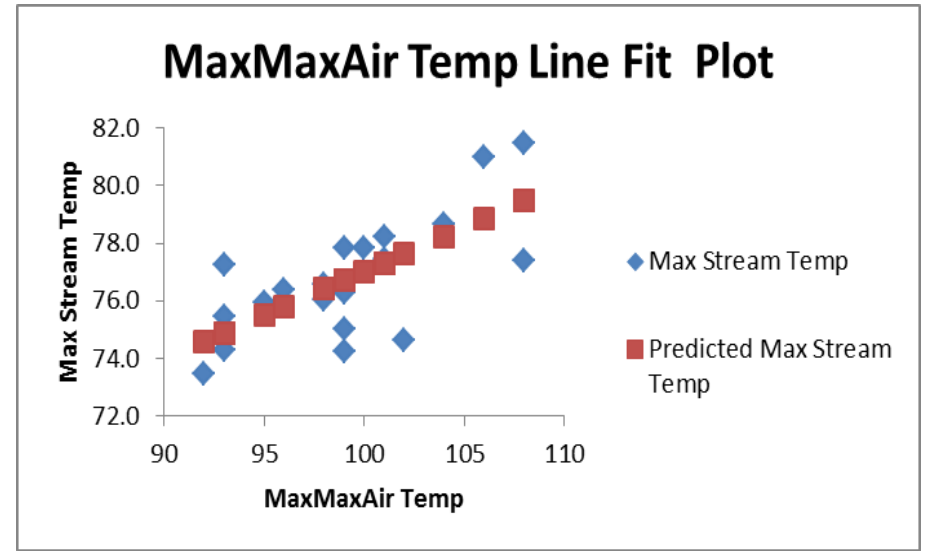
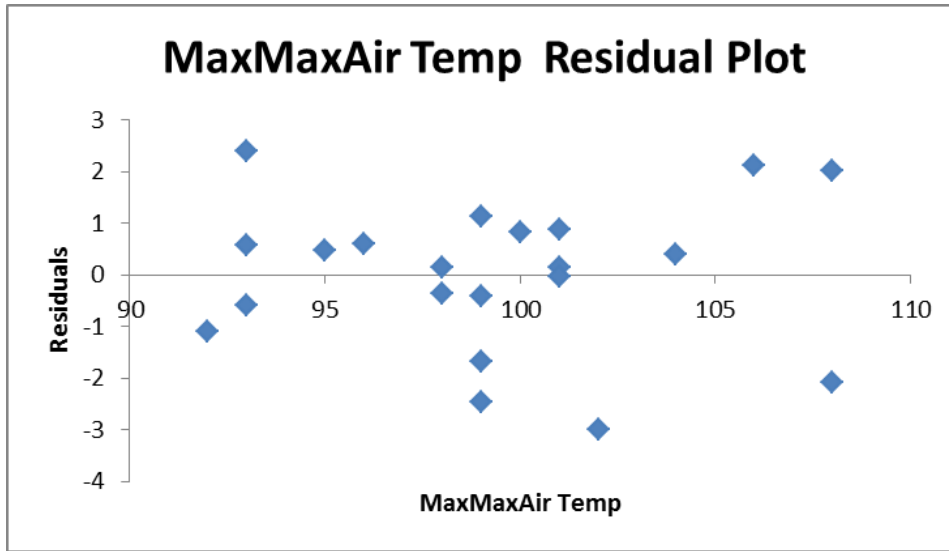
Camp Creek – 7DA Max Air Temp to 7DAM Stream Temperature



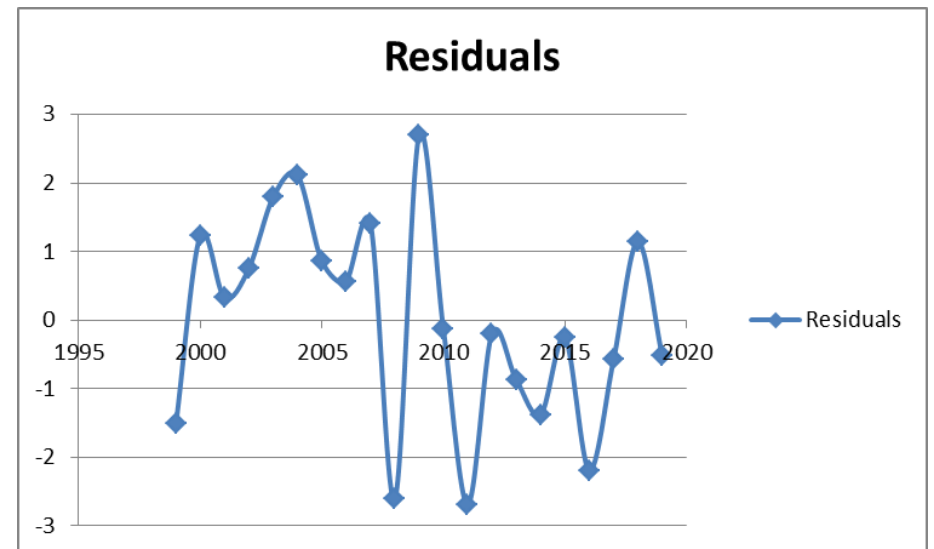
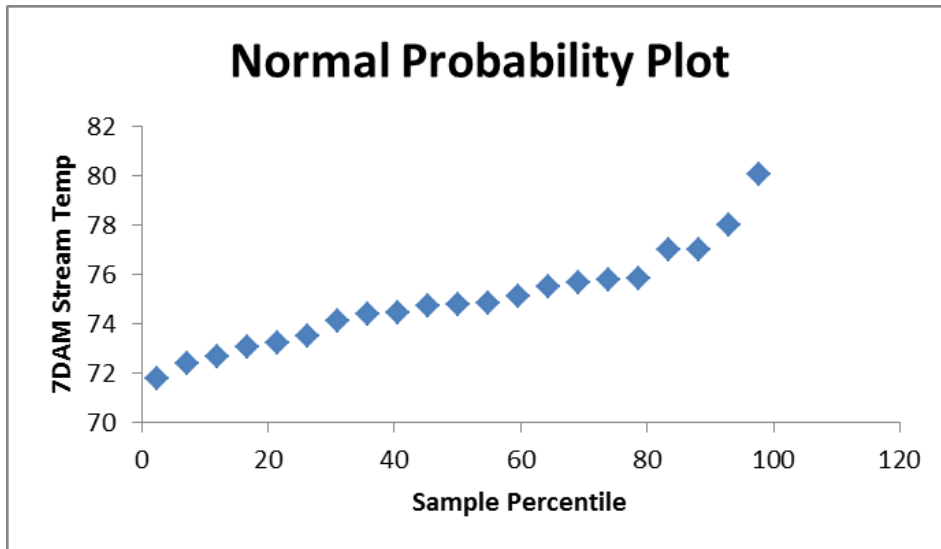
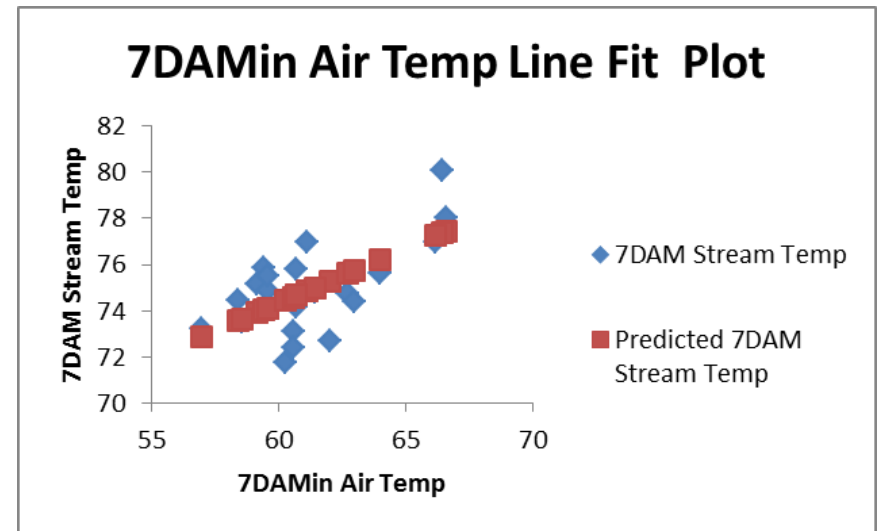
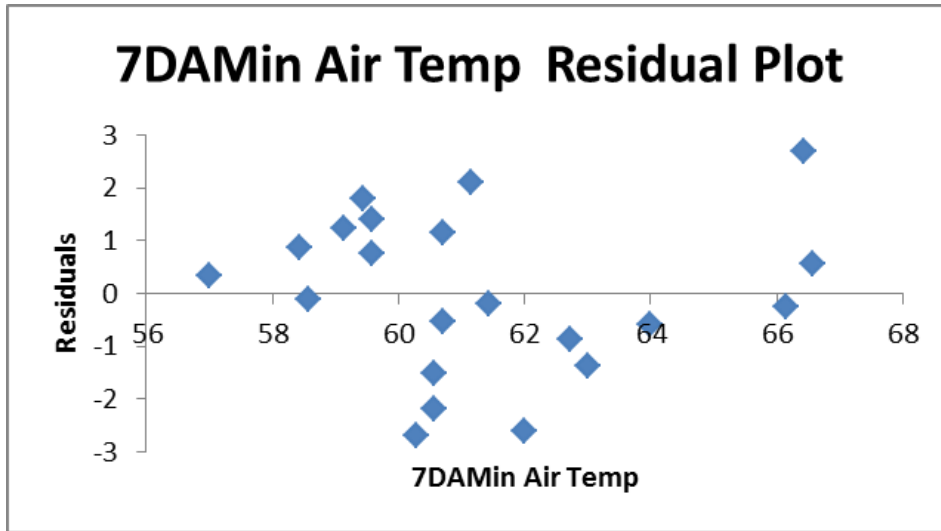
North Myrtle Creek – Max Min Air Temp to Max Stream Temperature



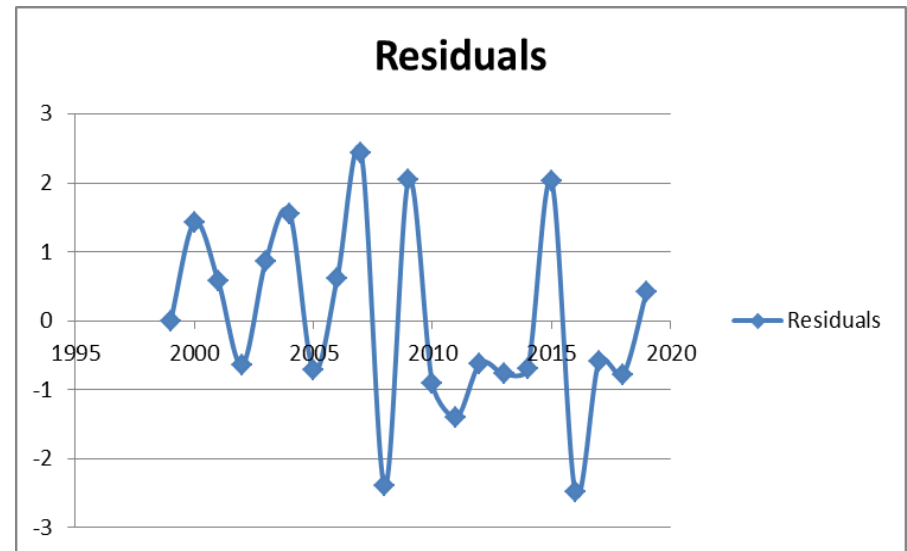
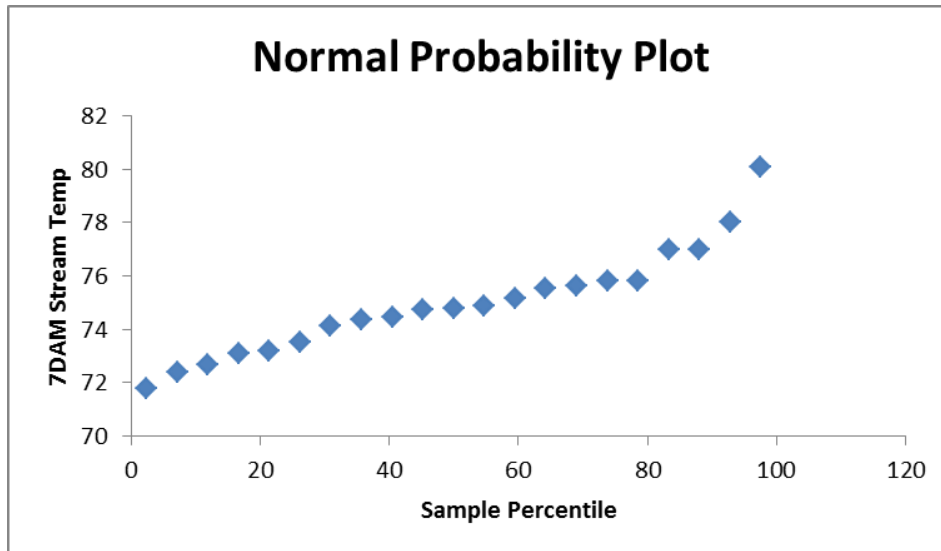
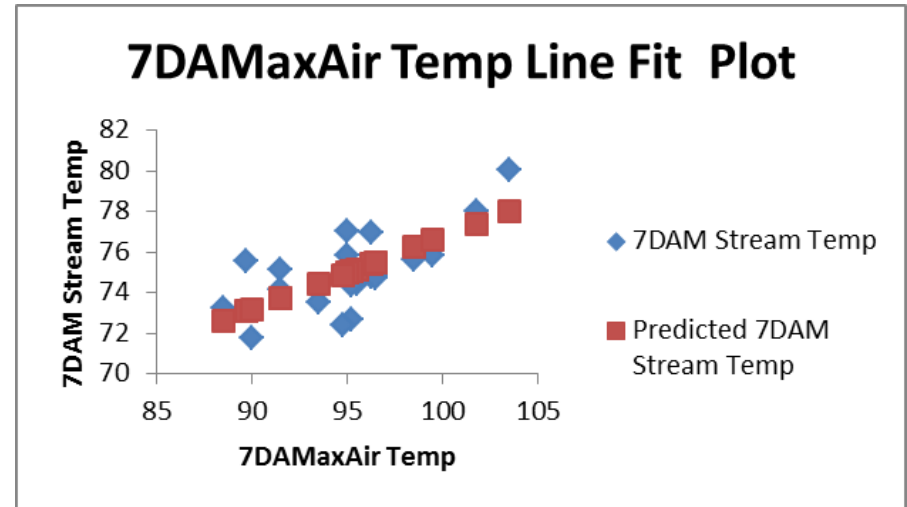
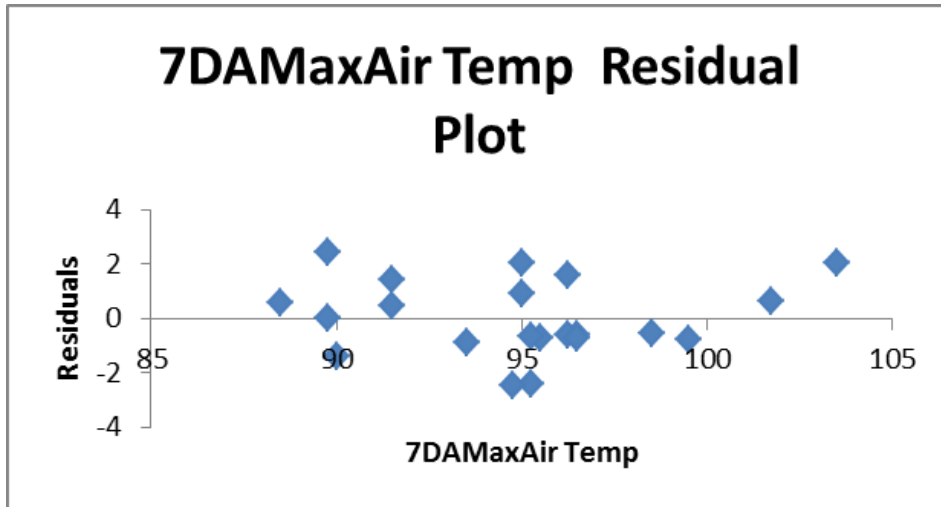
North Myrtle Creek – Max Max Air Temp to Max Stream Temperature



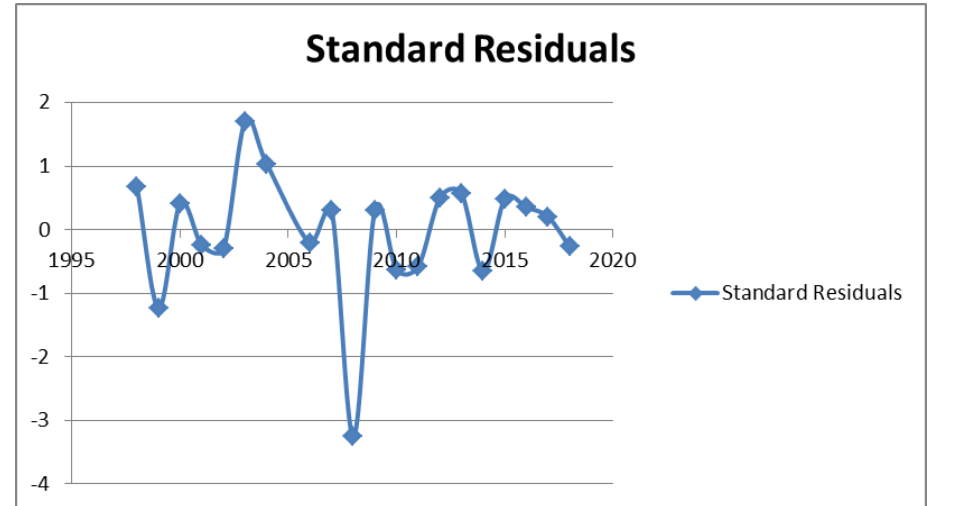
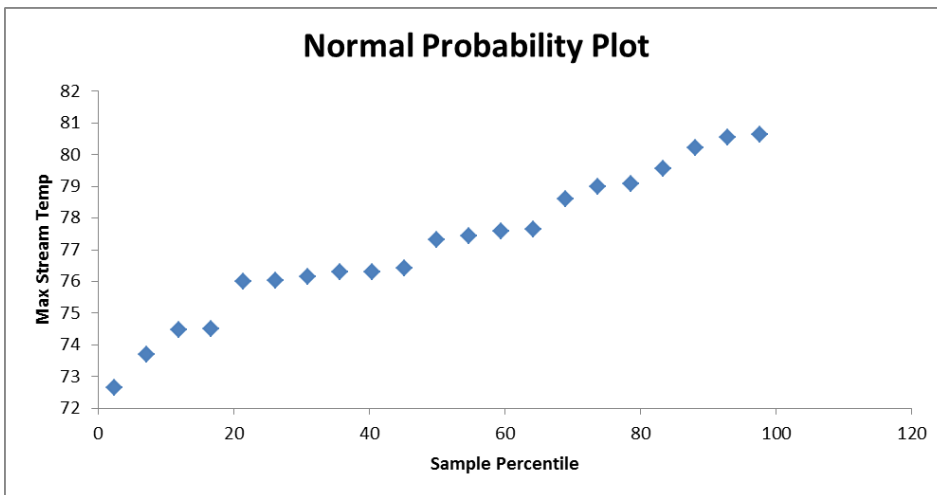
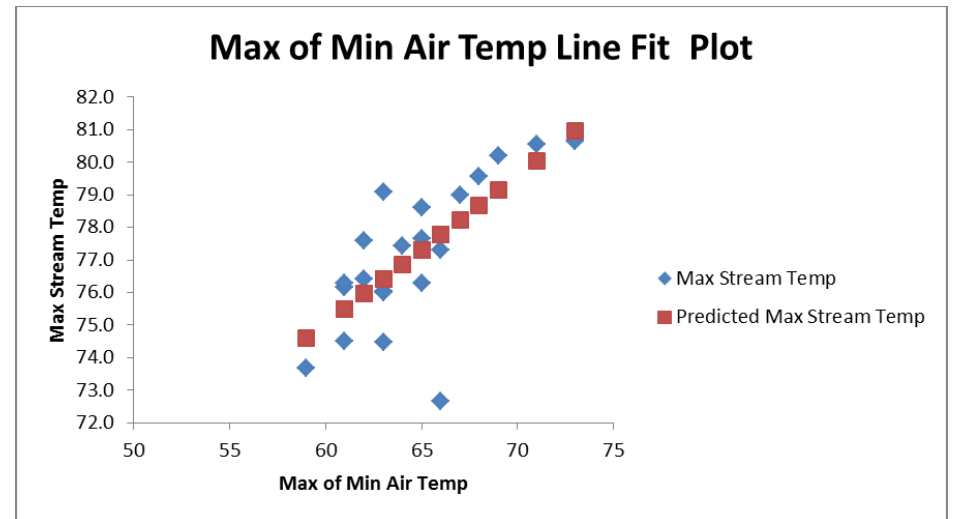
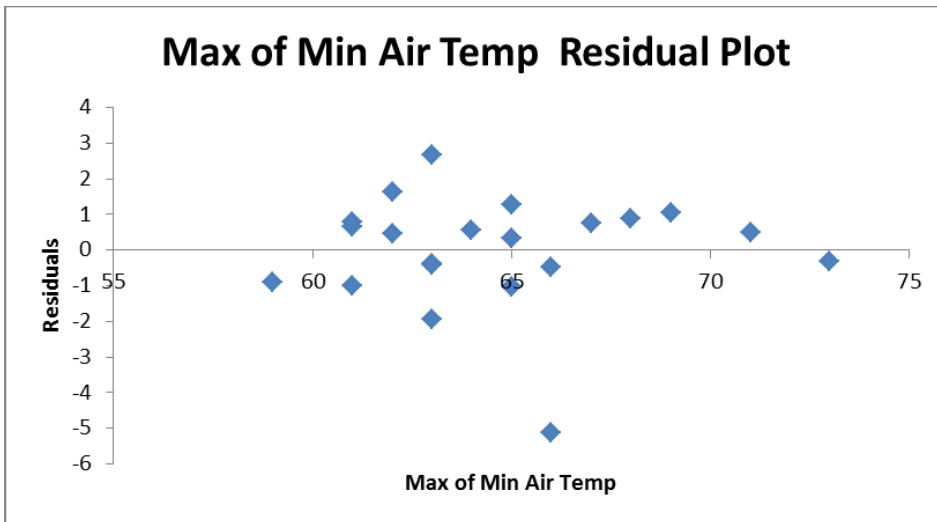
North Myrtle Creek – 7DA Min Air Temp to 7DAM Stream Temperature



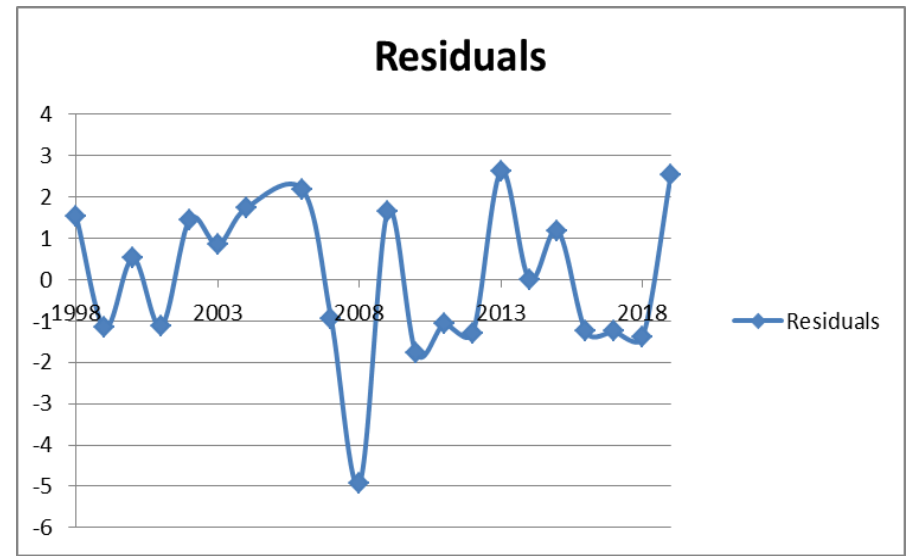
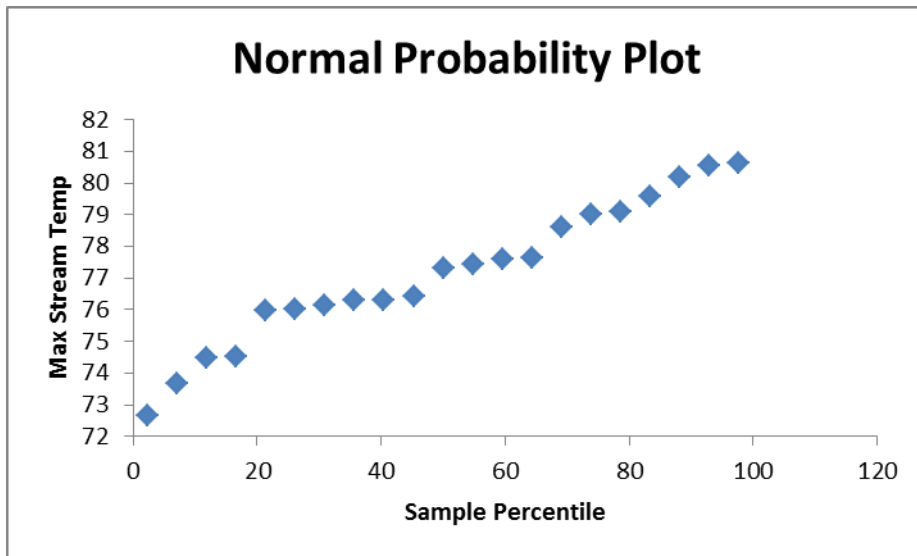
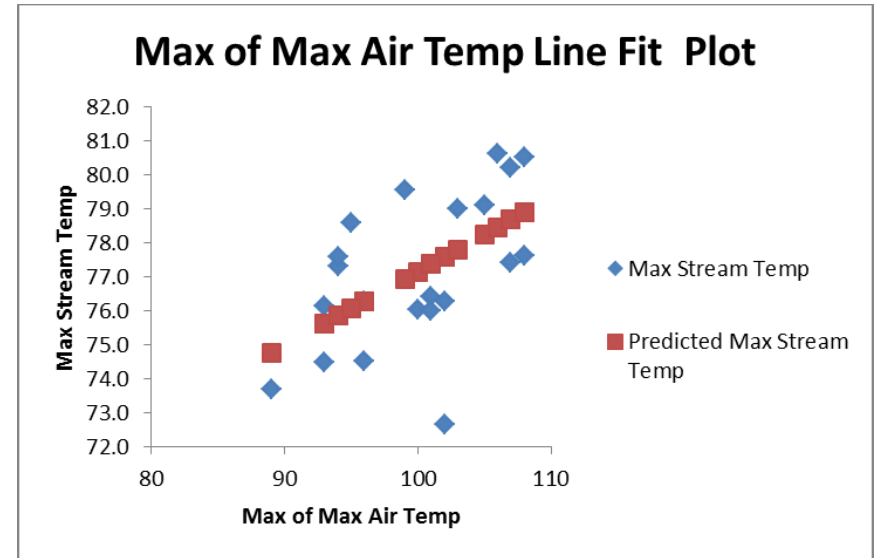
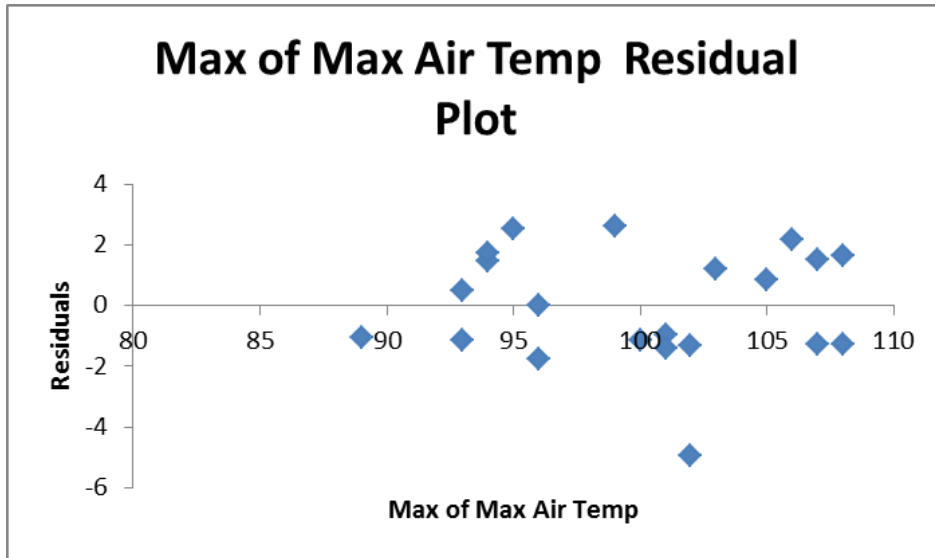
North Myrtle Creek – 7DA Max Air Temp to 7DAM Stream Temperature



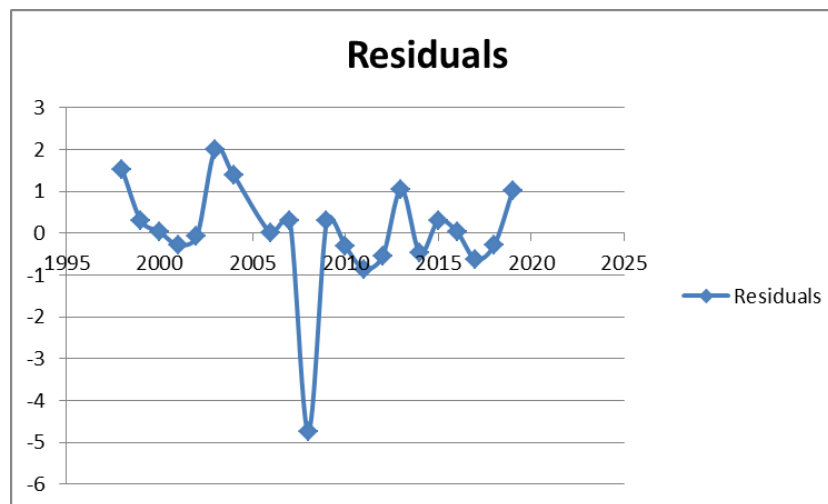
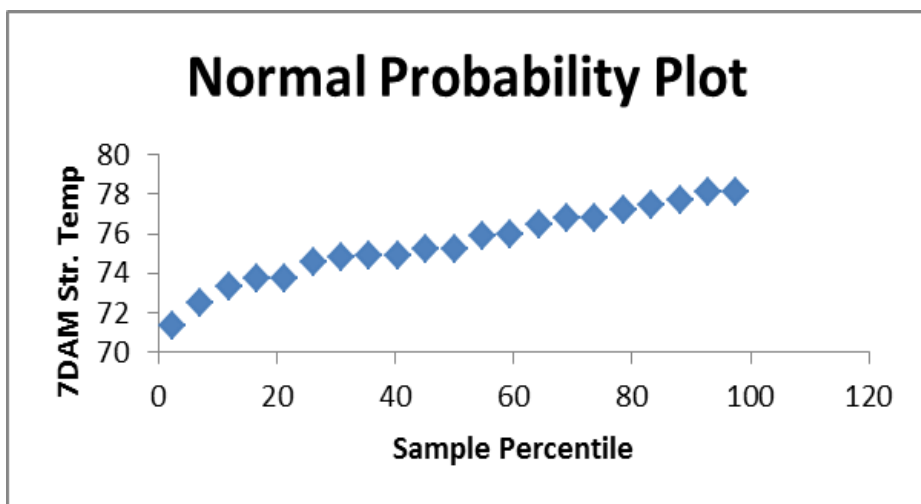
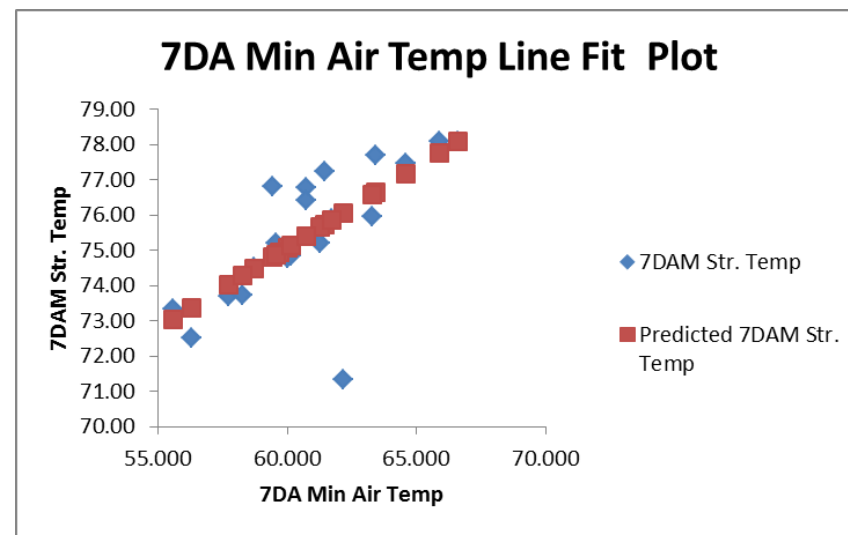
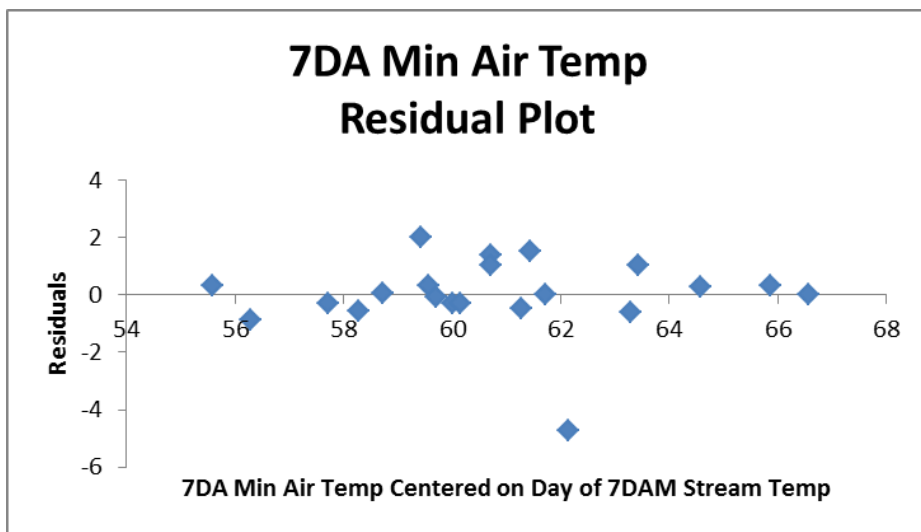
Pass Creek – Max Min Air Temp to Max Stream Temperature



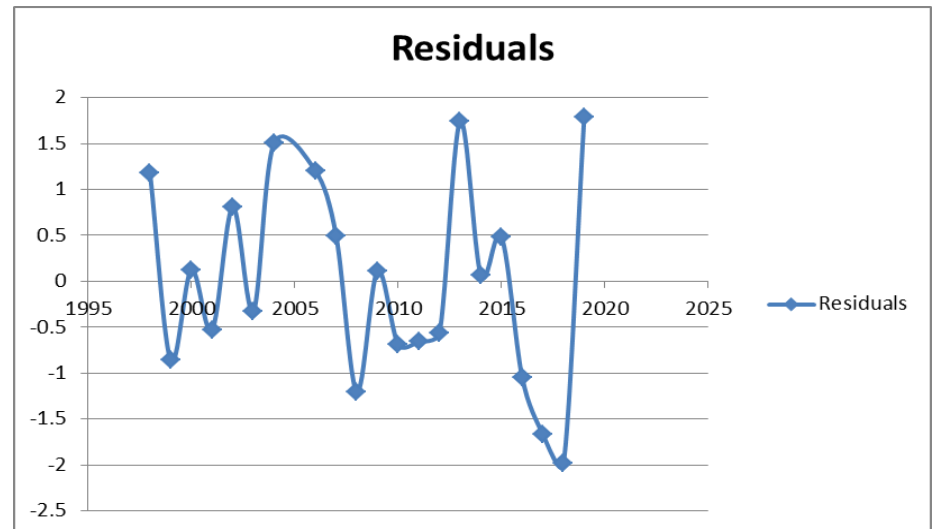
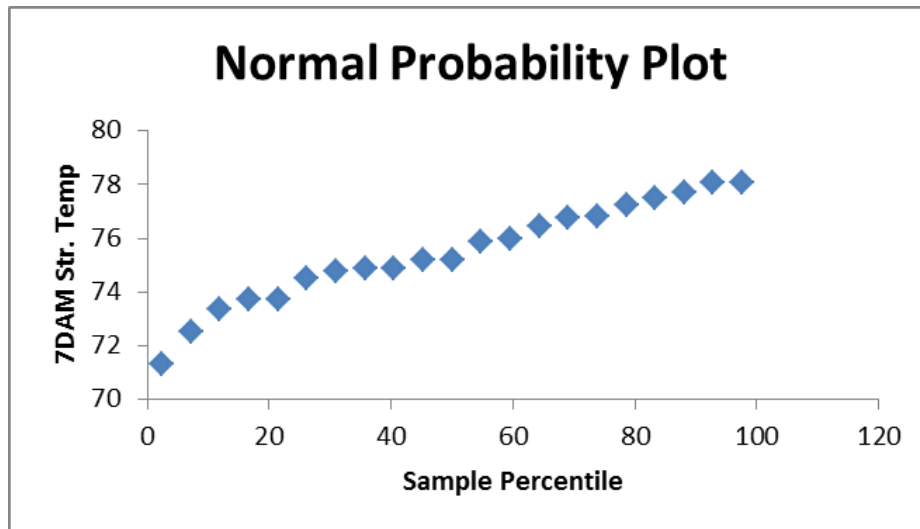
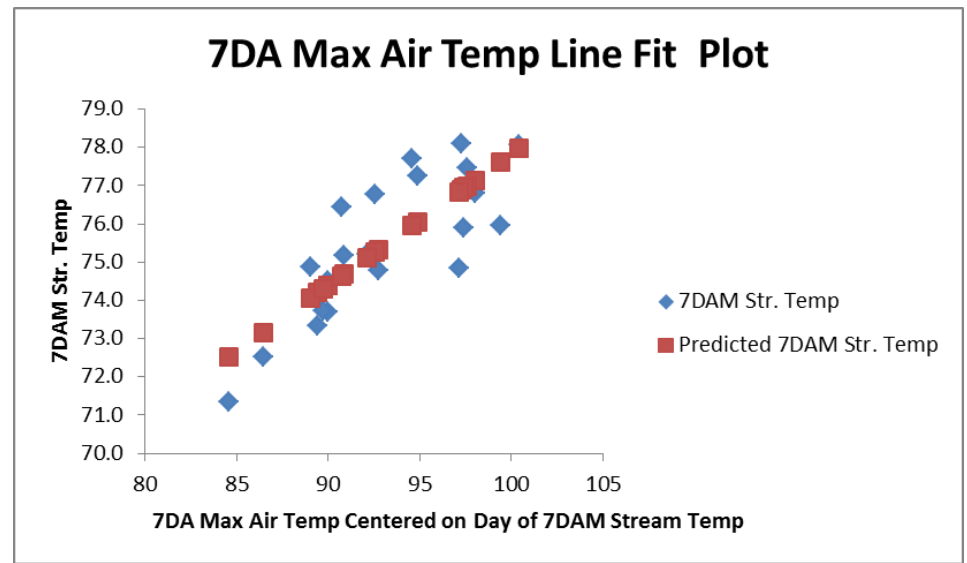
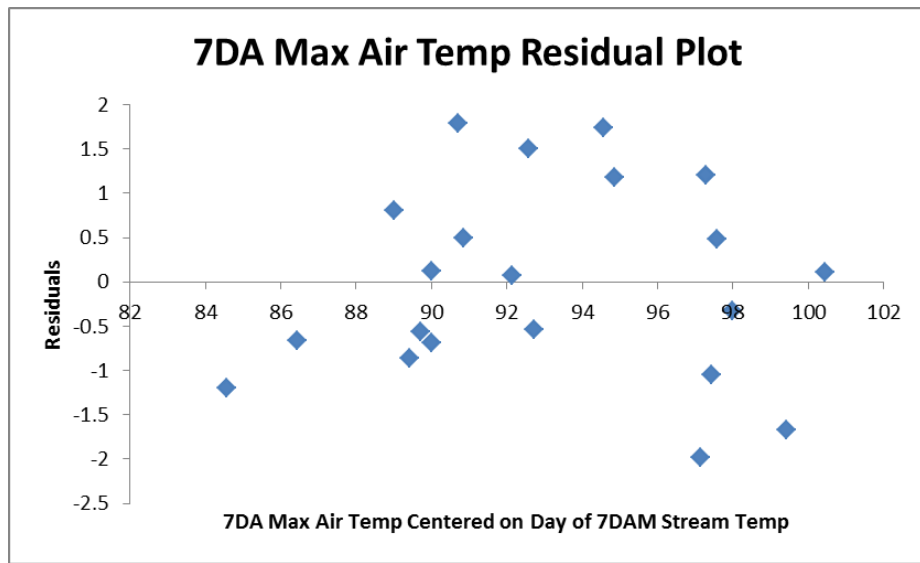
Pass Creek – Max Max Air Temp to Max Stream Temperature



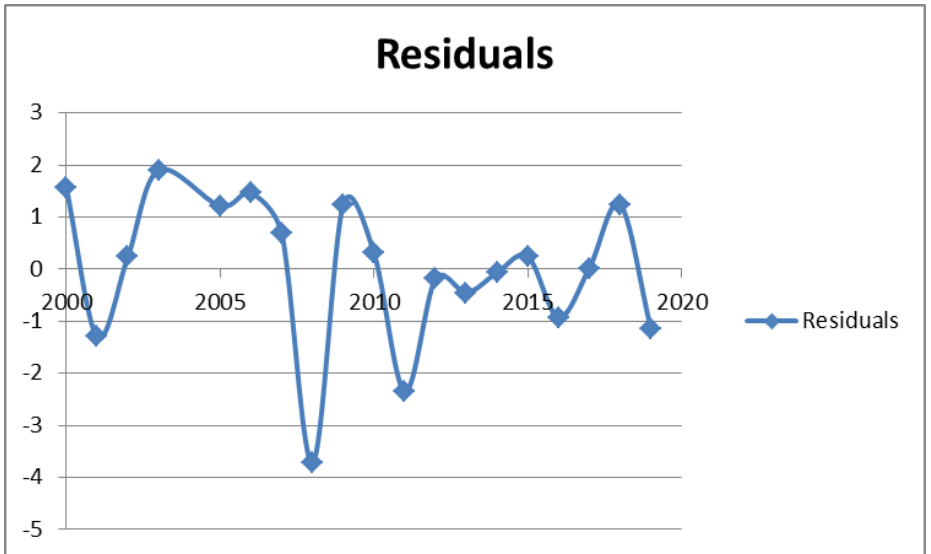
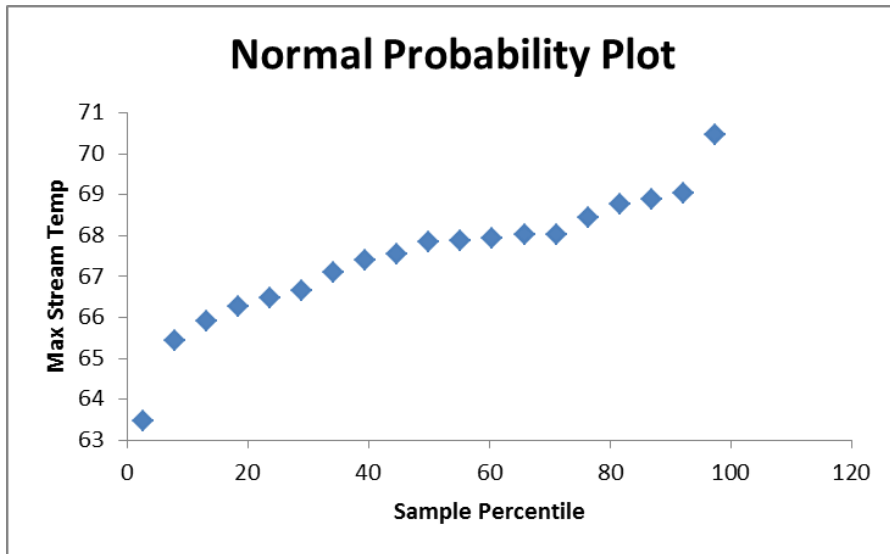
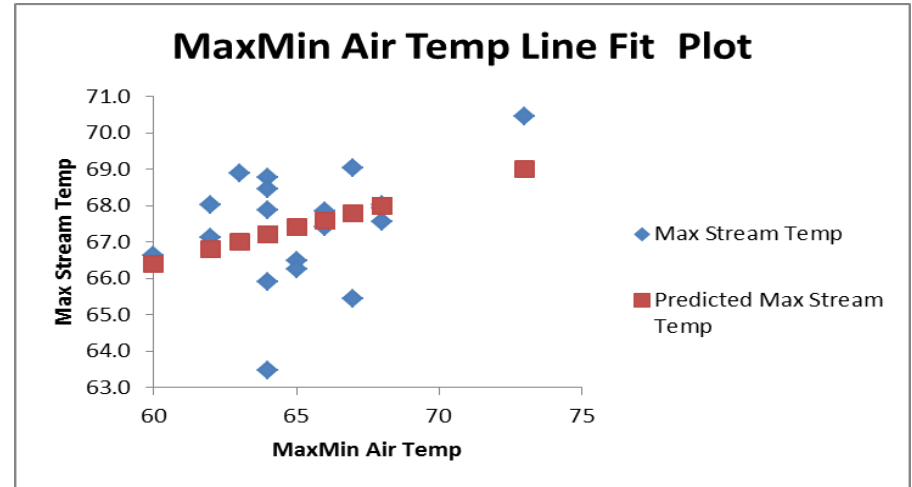
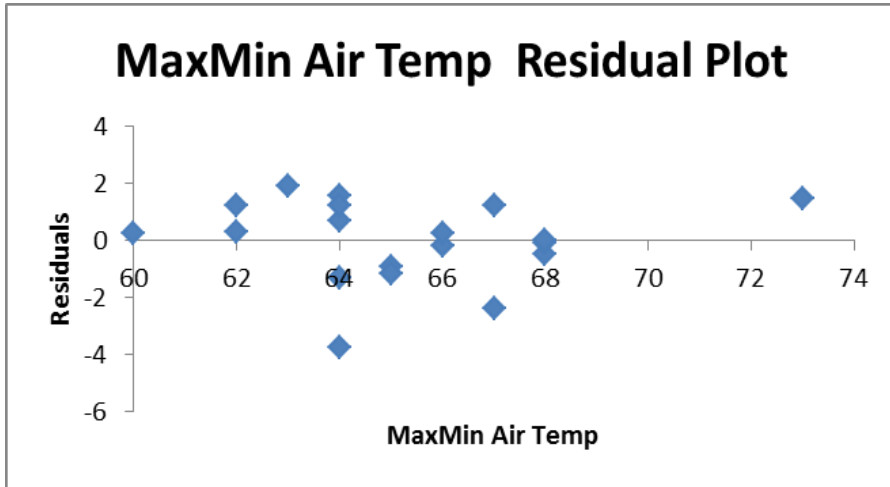
Pass Creek – 7DA Min Air Temp to 7DAM Stream Temperature



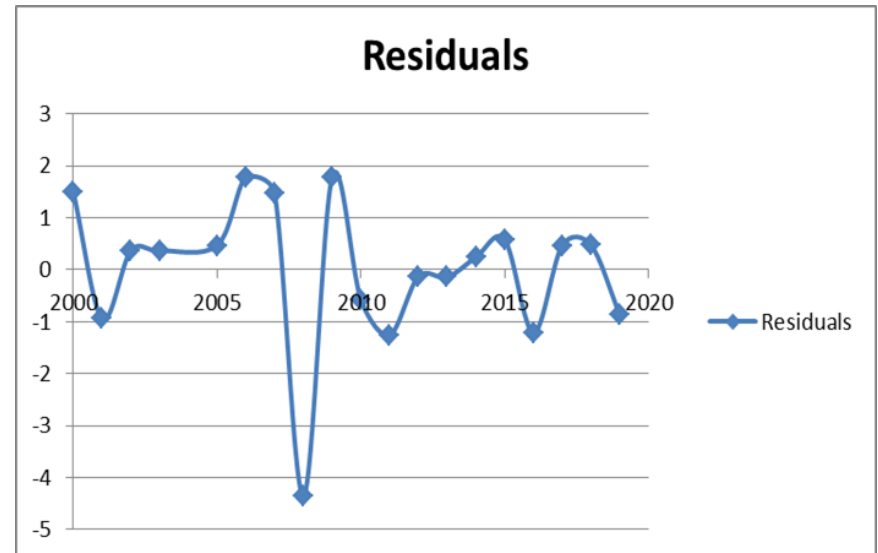
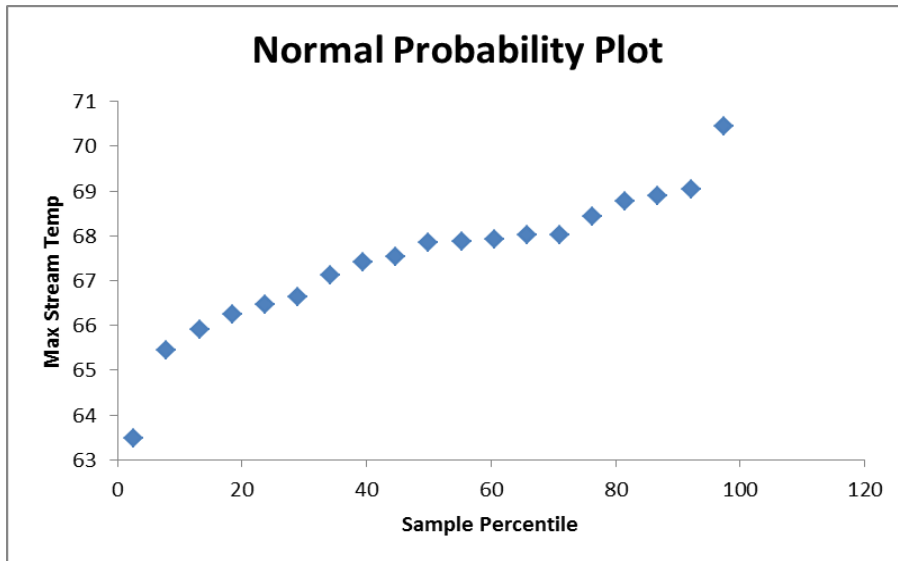
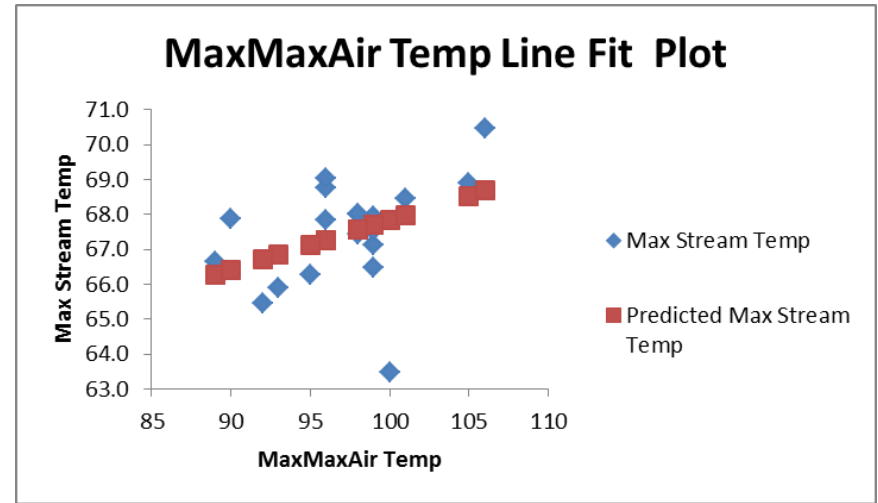
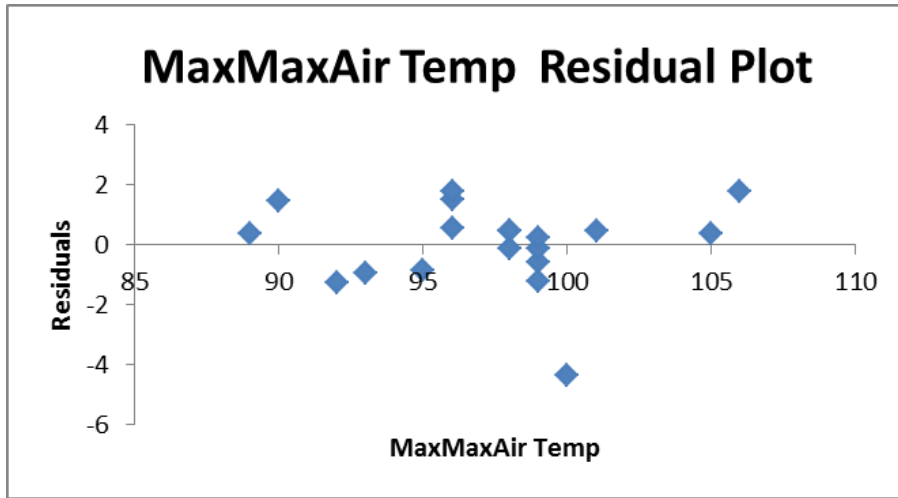
Pass Creek – 7DA Max Air Temp to 7DAM Stream Temperature



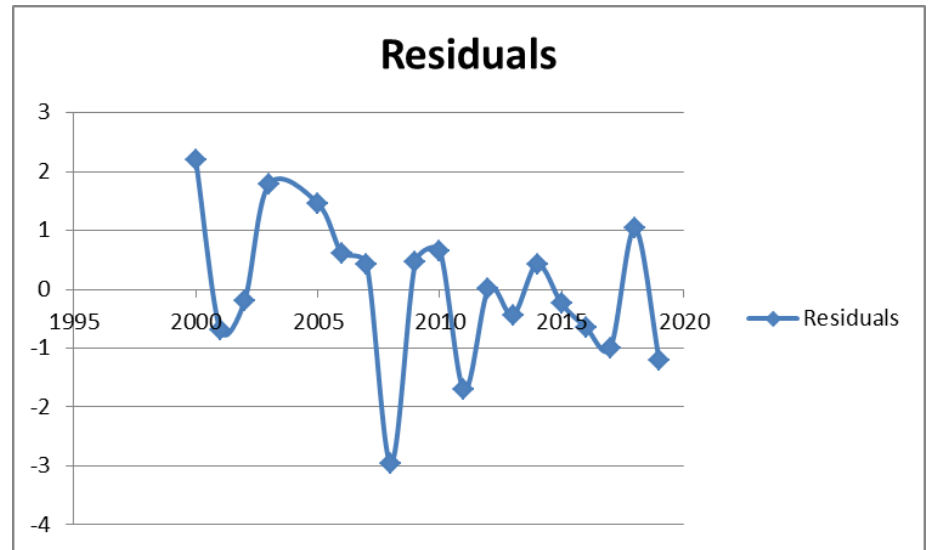
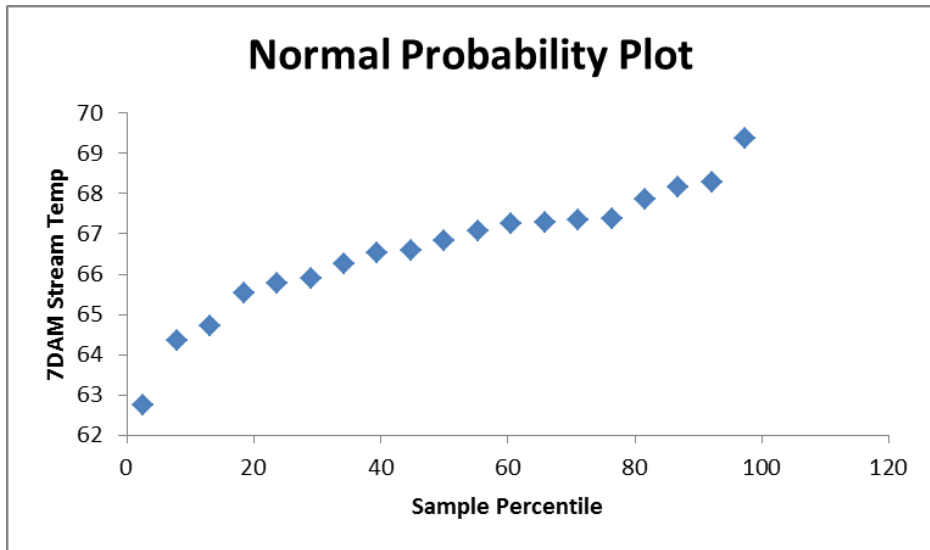
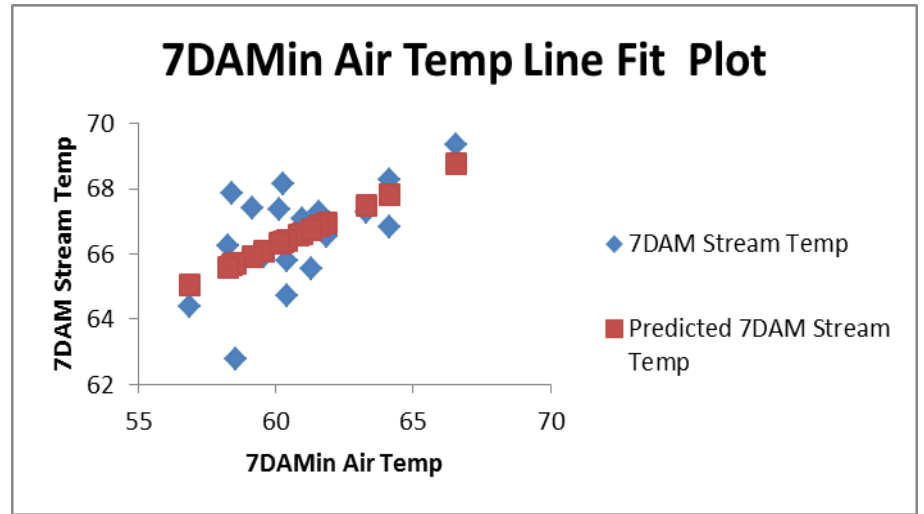
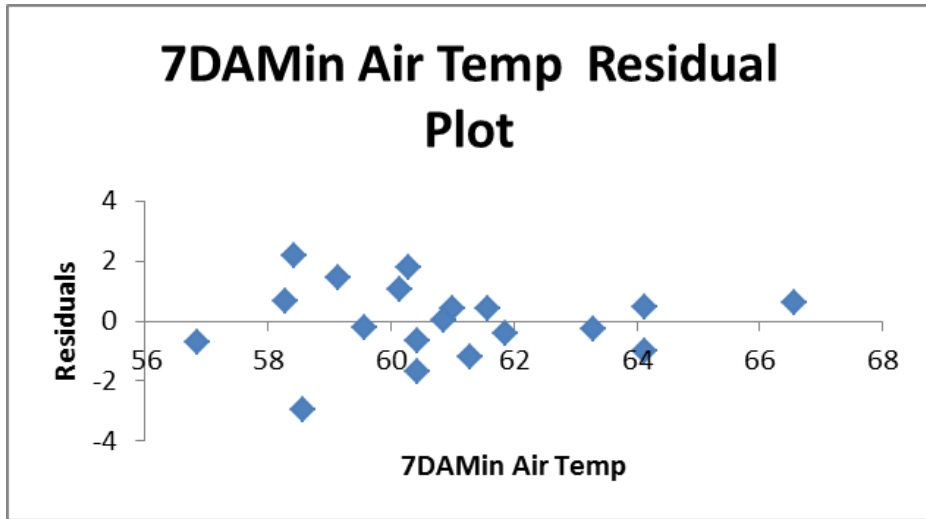
Windy Creek – Max Min Air Temp to Max Stream Temperature



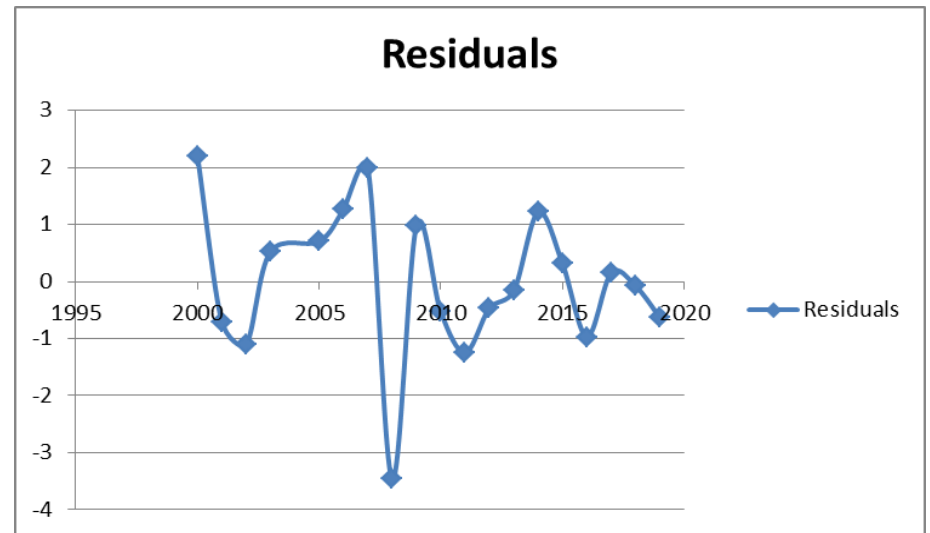
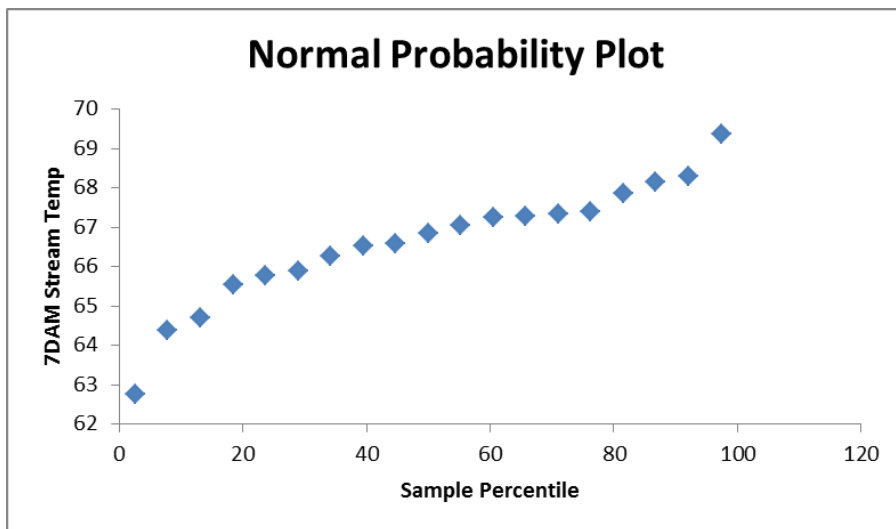
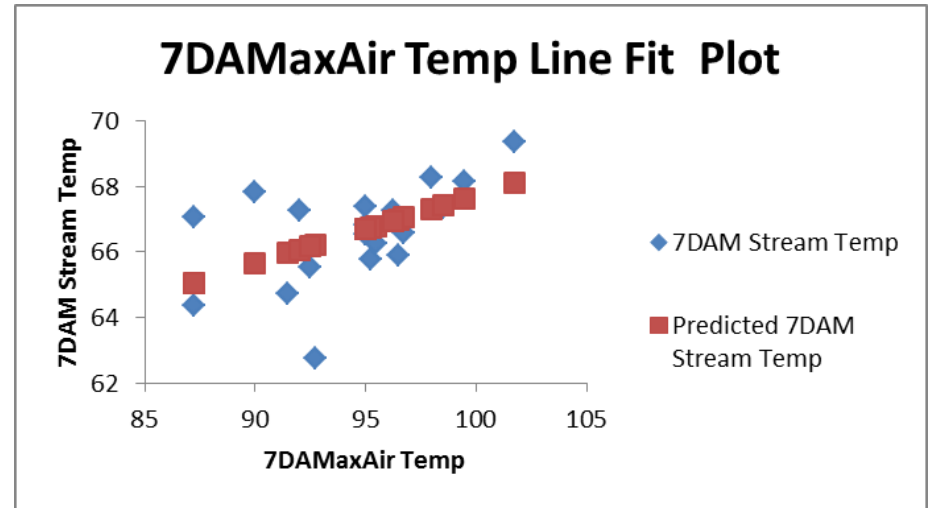
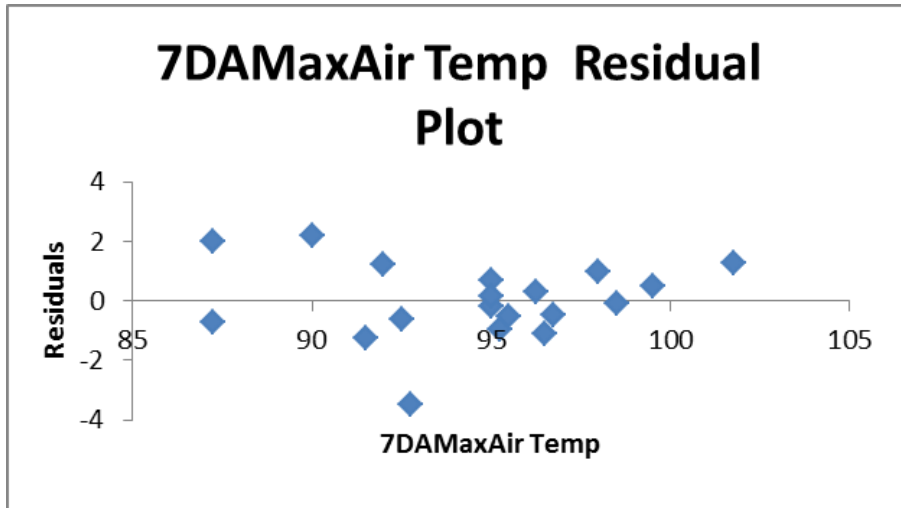
Windy Creek – Max Max Air Temp to Max Stream Temperature

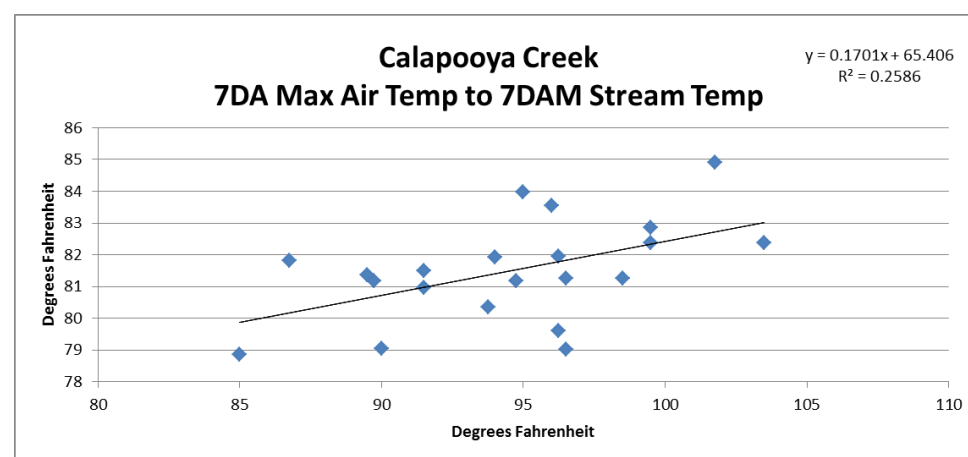
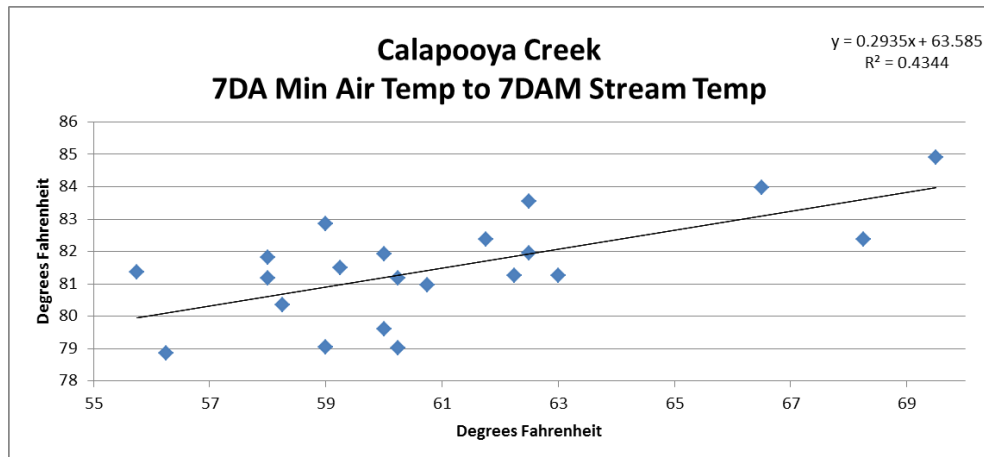
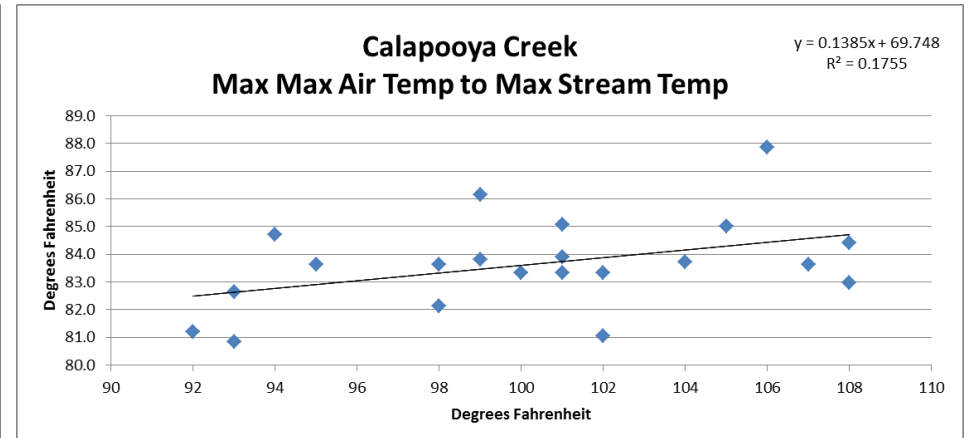
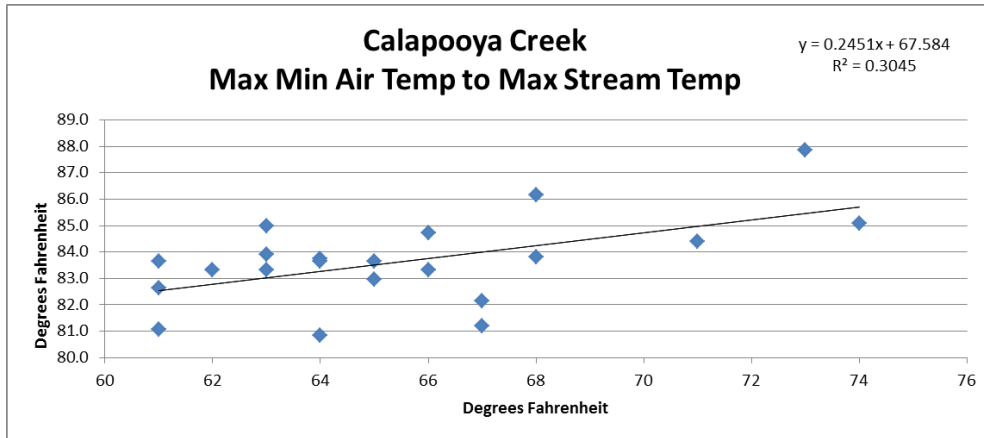


Windy Creek – 7DA Min Air Temp to 7DAM Stream Temperature



Windy Creek – 7DA Max Air Temp to 7DAM Stream Temperature





Appendix 3. Linear regressions of air temperatures graphed with stream temperatures. See Table 5 in Report for definition of terms. (5 pages)

