

Supplementary Material S1

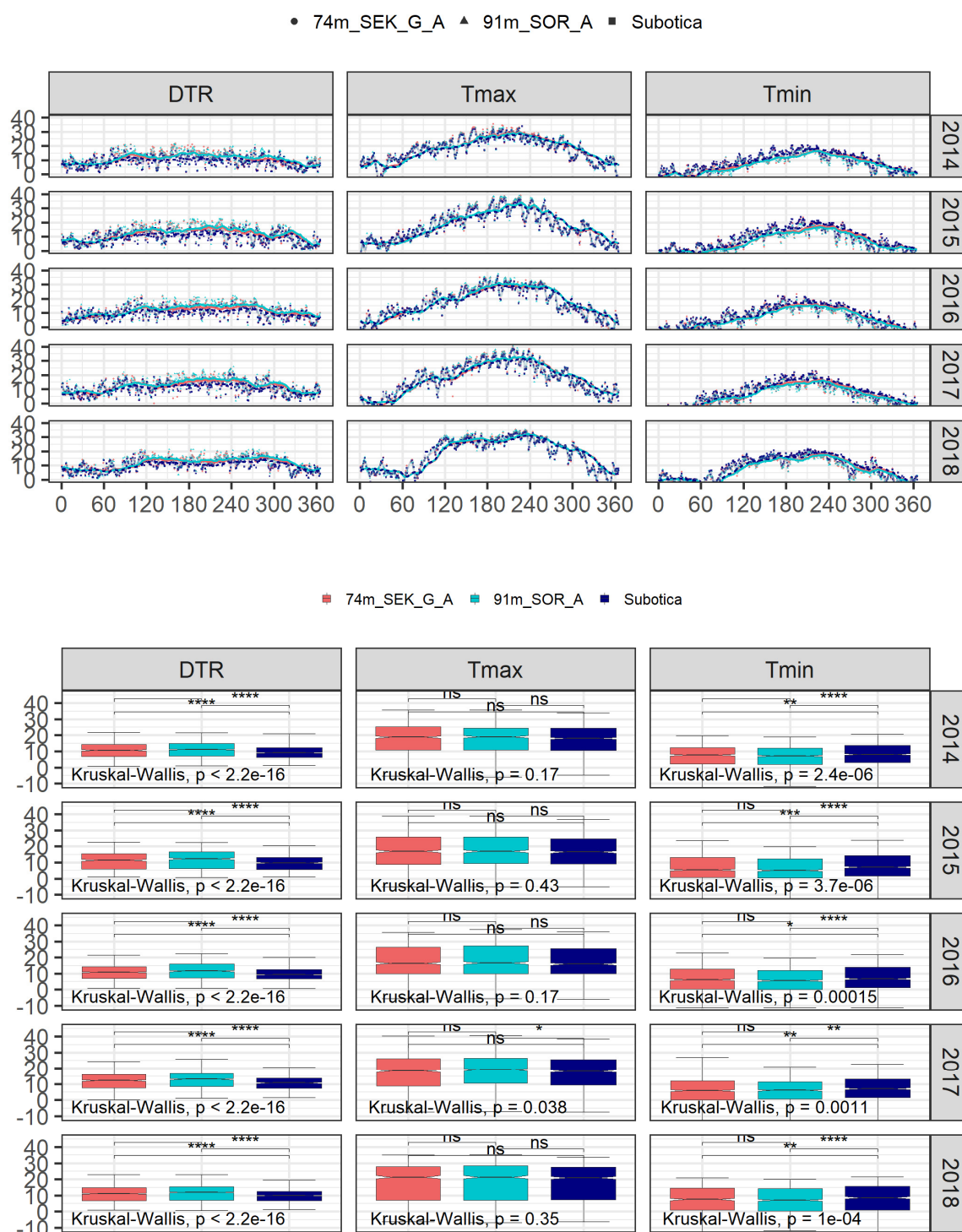


Figure S1.1 T_{max} , T_{min} and DTR measured on the AWSs located in the apple orchards (74m_SEK_G_A - clay soil, 91m_SOR_A - sandy loam) and climatological station Subotica (dashed blue line) in the R2 region. The following convention for symbols indicate statistical significance: (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.

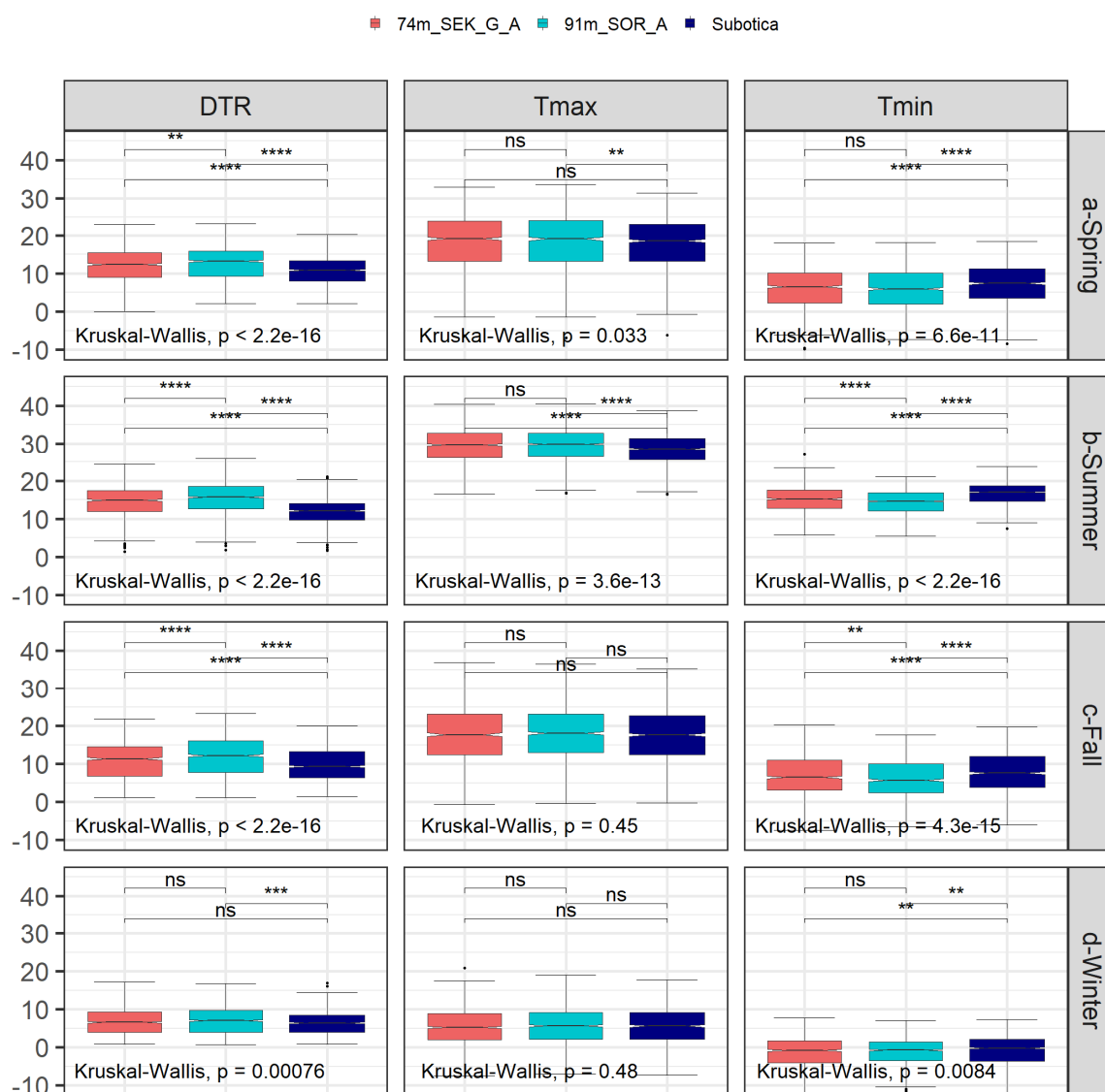


Figure S1.2 Seasonal variation of T_{\max} , T_{\min} and DTR measured on the AWSs located in the apple orchards (74m_SEK_G_A - clay soil, 91m_SOR_A - sandy loam) and climatological station Subotica (dashed blue line) in the period 2014-2018. The following convention for symbols indicate statistical significance: : (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.

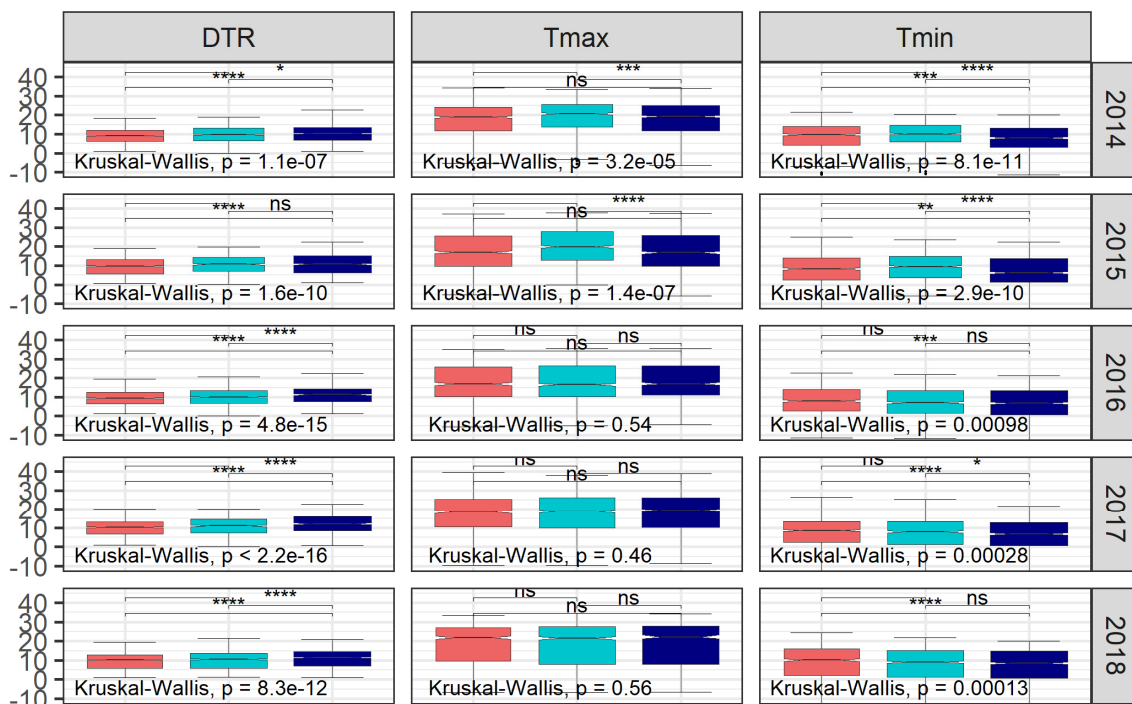
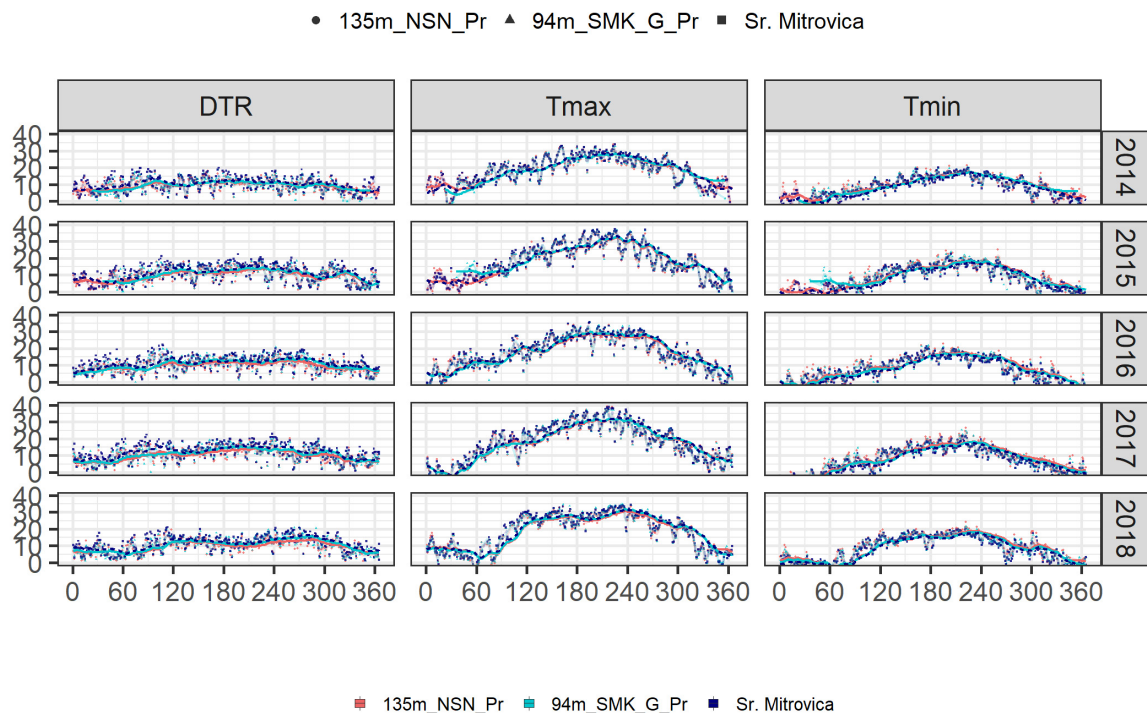


Figure S1.3 T_{max} , T_{min} and DTR measured on the AWSs located in the pear orchards (135m_NSN_Pr and 94_SMK_G_Pr) and climatological station Sr. Mitrovica (dashed blue line) in the R5 region. The following convention for symbols indicate statistical significance: : (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.

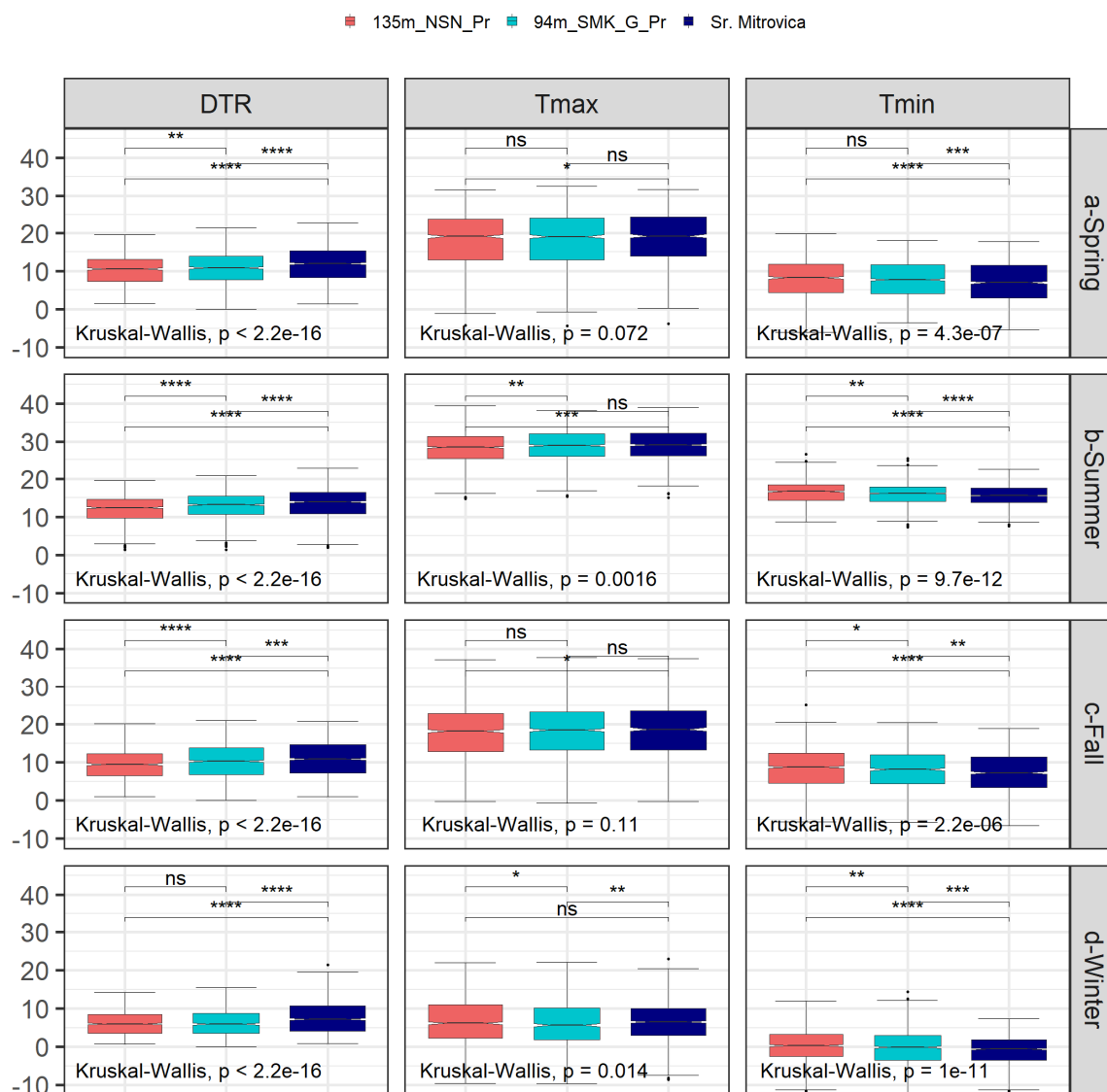


Figure S1.4 Seasonal variation of T_{\max} , T_{\min} and DTR measured on the AWSs located in the pear orchards (135m_NSN_Pr and 94_SMK_G_Pr) and climatological station Sr. Mitrovica in the R5 region during the period 2014-2018. The following convention for symbols indicate statistical significance: : (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.

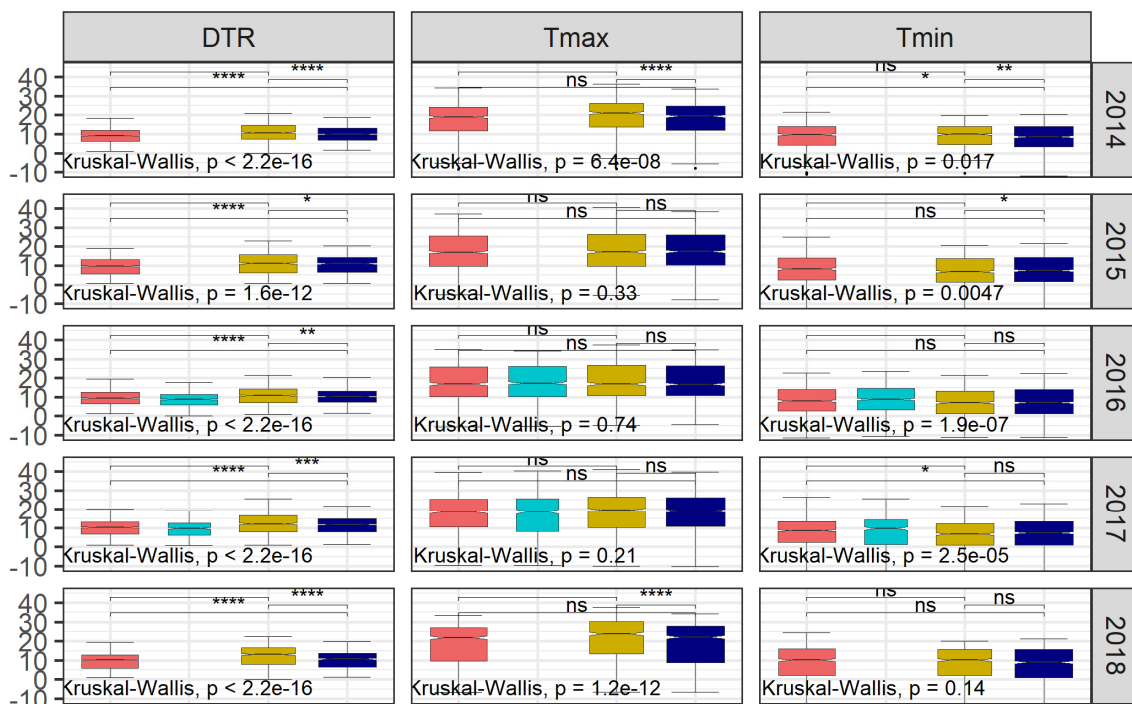
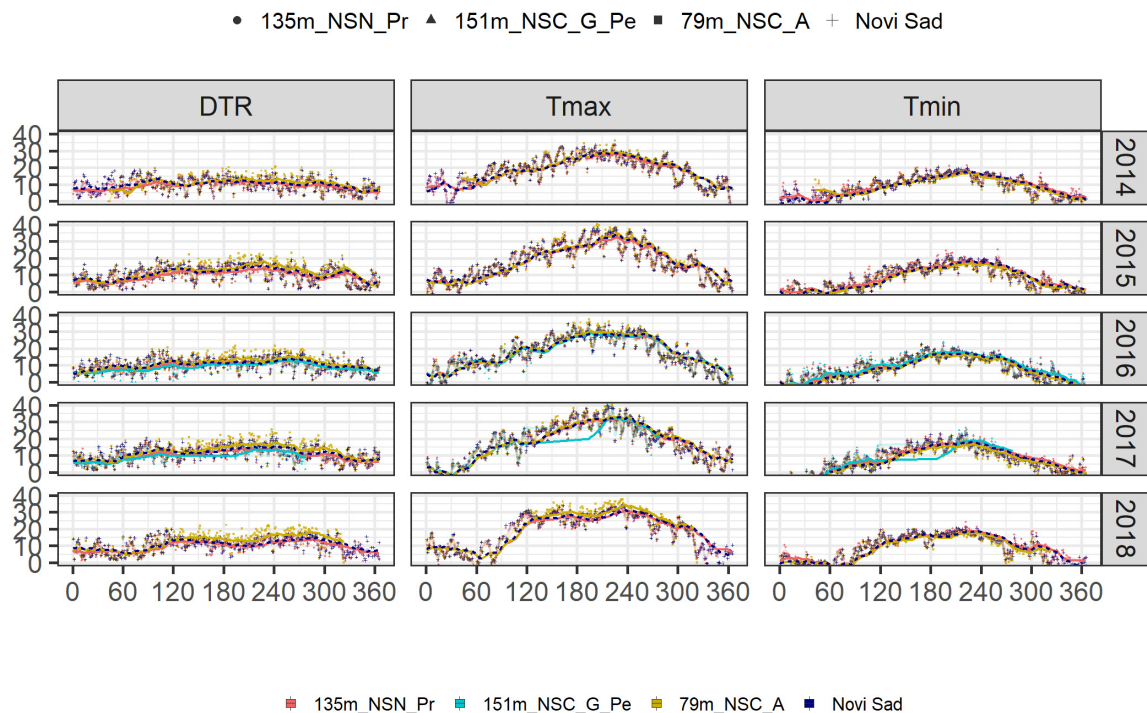


Figure S1.5 T_{max} , T_{min} and DTR measured on the AWSs located in the pear orchards (135m_NSN_Pr), peach (151m_NSC_G_Pe) and apple (79m_NSC_A) and climatological station Novi Sad (dashed blue line) in the R1 region. The following convention for symbols indicate statistical significance: : (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.

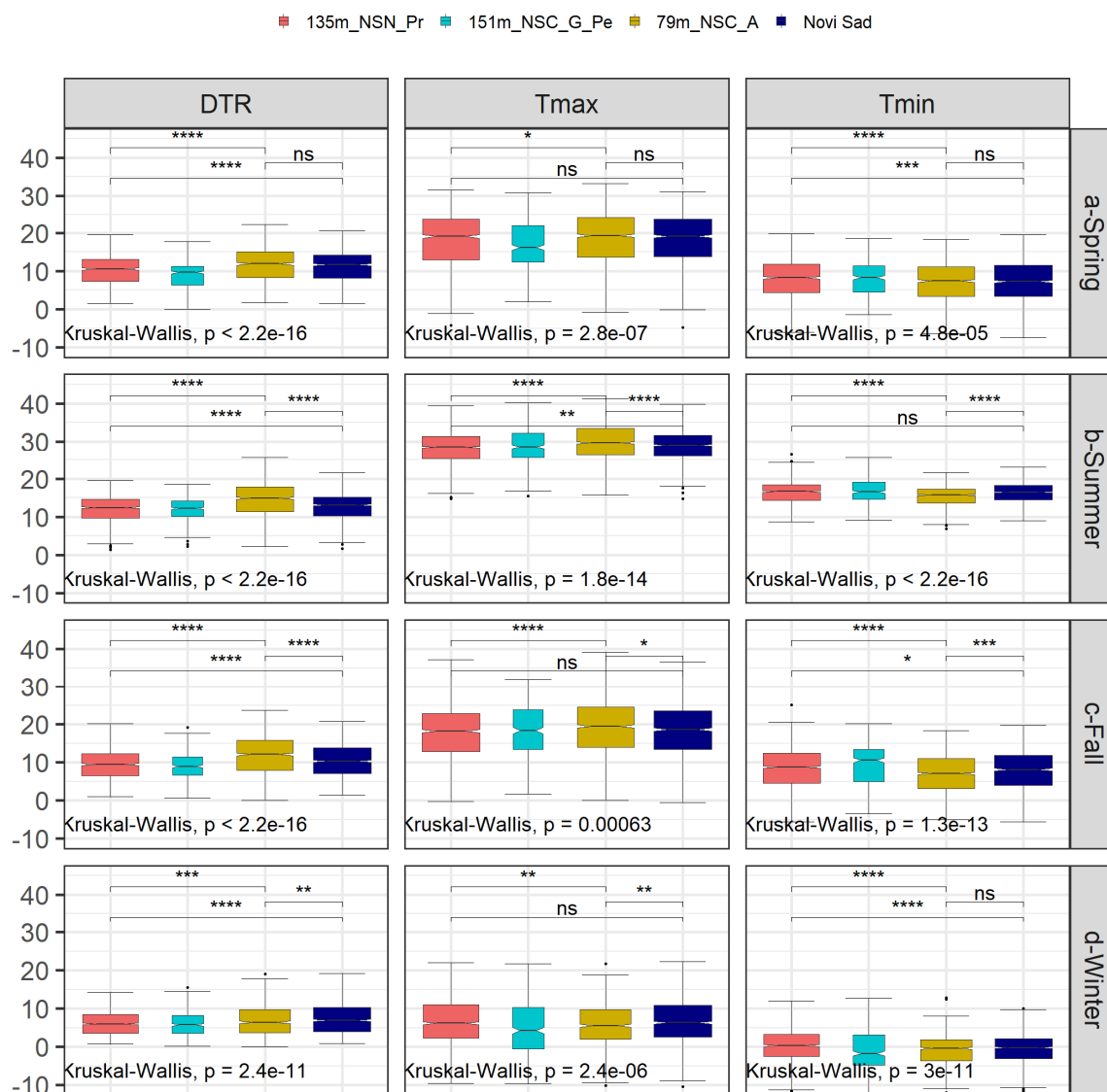


Figure S1.6 Seasonal variation of T_{max} , T_{min} and DTR measured on the AWSs located in the pear orchards (135m_NSN_Pr), peach (151m_NSC_G_Pe) and apple (79m_NSC_A) and climatological station Novi Sad (dashed blue line) in the R1 region. The following convention for symbols indicate statistical significance: [: (not significant (ns): $p > 0.05$), (*: $p \leq 0.05$), (**: $p \leq 0.01$), (***: $p \leq 0.001$), (****: $p \leq 0.0001$) number of stars indicate growing differences between data distribution.