Mean absolute error (°C) for gap-filling using correlated stations calculated by (a) month and (b) weather type.

**(a) Month**

| (a) Month | $T_{var}$ | Mountain | | Prairie | |
|---|---|---|---|---|---|
| | | mnth | wt | mnth | wt |
| Jan | $T_{max}$ | 0.87 | 0.80 | 0.79 | 0.73 |
| | $T_{mean}$ | 0.69 | 0.63 | 0.59 | 0.55 |
| | $T_{min}$ | 1.06 | 0.98 | 1.11 | 1.04 |
| Feb | $T_{max}$ | 0.83 | 0.80 | 0.76 | 0.72 |
| | $T_{mean}$ | 0.63 | 0.60 | 0.53 | 0.50 |
| | $T_{min}$ | 1.05 | 0.97 | 1.05 | 0.99 |
| Mar | $T_{max}$ | 0.76 | 0.71 | 0.65 | 0.61 |
| | $T_{mean}$ | 0.50 | 0.47 | 0.46 | 0.43 |
| | $T_{min}$ | 0.93 | 0.85 | 0.93 | 0.85 |
| Apr | $T_{max}$ | 0.75 | 0.71 | 0.60 | 0.53 |
| | $T_{mean}$ | 0.45 | 0.43 | 0.40 | 0.36 |
| | $T_{min}$ | 0.79 | 0.75 | 0.85 | 0.80 |
| May | $T_{max}$ | 0.74 | 0.67 | 0.50 | 0.46 |
| | $T_{mean}$ | 0.42 | 0.38 | 0.34 | 0.29 |
| | $T_{min}$ | 0.72 | 0.64 | 0.80 | 0.73 |
| Jun | $T_{max}$ | 0.73 | 0.69 | 0.50 | 0.47 |
| | $T_{mean}$ | 0.42 | 0.40 | 0.31 | 0.29 |
| | $T_{min}$ | 0.72 | 0.67 | 0.72 | 0.67 |
| Jul | $T_{max}$ | 0.68 | 0.66 | 0.49 | 0.47 |
| | $T_{mean}$ | 0.41 | 0.40 | 0.29 | 0.29 |
| | $T_{min}$ | 0.75 | 0.71 | 0.70 | 0.68 |
| Aug | $T_{max}$ | 0.70 | 0.65 | 0.51 | 0.48 |
| | $T_{mean}$ | 0.43 | 0.40 | 0.34 | 0.32 |
| | $T_{min}$ | 0.75 | 0.68 | 0.76 | 0.71 |
| Sep | $T_{max}$ | 0.71 | 0.67 | 0.46 | 0.45 |
| | $T_{mean}$ | 0.50 | 0.47 | 0.36 | 0.35 |
| | $T_{min}$ | 0.77 | 0.74 | 0.81 | 0.78 |
| Oct | $T_{max}$ | 0.78 | 0.73 | 0.51 | 0.49 |
| | $T_{mean}$ | 0.54 | 0.50 | 0.42 | 0.41 |
| | $T_{min}$ | 0.83 | 0.78 | 0.86 | 0.83 |
| Nov | $T_{max}$ | 0.79 | 0.75 | 0.59 | 0.58 |
| | $T_{mean}$ | 0.61 | 0.57 | 0.50 | 0.46 |
| | $T_{min}$ | 0.99 | 0.93 | 1.01 | 0.94 |
| Dec | $T_{max}$ | 0.94 | 0.88 | 0.72 | 0.69 |
| | $T_{mean}$ | 0.74 | 0.68 | 0.55 | 0.52 |
| | $T_{min}$ | 1.07 | 1.00 | 1.08 | 1.03 |

**(b) Weather type**

| (b) Weather type | $T_{var}$ | Mountain | | Prairie | |
|---|---|---|---|---|---|
| | | mnth | wt | mnth | wt |
| CD | $T_{max}$ | 0.88 | 0.86 | 0.62 | 0.61 |
| | $T_{mean}$ | 0.56 | 0.53 | 0.41 | 0.39 |
| | $T_{min}$ | 0.86 | 0.79 | 0.85 | 0.79 |
| Ch | $T_{max}$ | 0.75 | 0.65 | 0.61 | 0.54 |
| | $T_{mean}$ | 0.59 | 0.52 | 0.51 | 0.46 |
| | $T_{min}$ | 1.01 | 0.94 | 1.06 | 0.99 |
| CW | $T_{max}$ | 0.78 | 0.70 | 0.58 | 0.53 |
| | $T_{mean}$ | 0.43 | 0.36 | 0.36 | 0.30 |
| | $T_{min}$ | 0.69 | 0.55 | 0.65 | 0.52 |
| Ht | $T_{max}$ | 0.72 | 0.70 | 0.55 | 0.52 |
| | $T_{mean}$ | 0.55 | 0.53 | 0.43 | 0.41 |
| | $T_{min}$ | 0.91 | 0.87 | 0.94 | 0.92 |
| Nl | $T_{max}$ | 0.76 | 0.71 | 0.58 | 0.55 |
| | $T_{mean}$ | 0.52 | 0.49 | 0.42 | 0.40 |
| | $T_{min}$ | 0.86 | 0.81 | 0.89 | 0.85 |
| Tr | $T_{max}$ | 0.86 | 0.74 | 0.71 | 0.63 |
| | $T_{mean}$ | 0.53 | .47 | 0.42 | 0.36 |
| | $T_{min}$ | 0.87 | 0.73 | 0.85 | 0.71 |