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Extreme Wind Indices

| **ID** | **Indicator name** | **Definitions** | **Unit** |
| --- | --- | --- | --- |
| WsMx\* | Monthly max wind speed | Monthly maximum value of wind speed (Ws) | m/s |
| WsAx\* | Annual max wind speed | Annual maximum value of wind speed (Ws) | m/s |
| WsB0\*\* | Calm wind days | Annual count of days when daily max Ws < 0.514 m/s (1 Knot, Beaufort Scale 0) | days |
| WsB7\*\* | Near gale-force wind days | Annual count of days when daily max Ws > 14.403 m/s (Beaufort Scale 7) | days |
| WsB8\*\* | Gale-force wind days | Annual count of days when daily max Ws > 17.222 m/s (Beaufort Scale 8) | days |
| WsB9\*\* | Strong gale-force wind days | Annual count of days when daily max Ws > 20.833 m/s (Beaufort Scale 9) | days |
| WsB10\*\* | Storm-force wind days | Annual count of days when daily max Ws > 24.722 m/s (Beaufort Scale 10) | days |
| fWsB0 | Frequency of calm wind days | Annual percentage of days when daily max Ws < 0.514 m/s (1 Knot, Beaufort Scale 0) | % |
| fWsB7 | Frequency of near gale-force wind days | Annual percentage of days when daily max Ws > 14.403 m/s (Beaufort Scale 12) | % |
| fWsB8 | Frequency of gale-force wind days | Annual percentage of days when daily max Ws > 17.222 m/s (Beaufort Scale 8) | % |
| fWsB9 | Frequency of strong gale-force wind days | Annual percentage of days when daily max Ws > 20.833 m/s (Beaufort Scale 9) | % |
| fWsB10 | Frequency of storm-force wind days | Annual percentage of days when daily max Ws > 24.722 m/s (Beaufort Scale 10) | % |
| fWs90p | Frequency of top decile wind days | Annual percentage of days when daily max Ws > 90th percentile of base period (1986–2005) (all calendar days share the same percentiles) | % |
| fWs10p | Frequency of low decile wind days | Annual percentage of days when daily max Ws < 10th percentile of base period (1986–2005) (all calendar days share the same percentiles) | % |
| HWsDI | Top decile wind spell duration indicator | Annual count of days with at least 2 consecutive days when daily max Ws > 90th percentile of base period (1986–2005) (all calendar days share the same percentiles) | days |
| LWsDI | Low decile wind spell duration indicator | Annual count of days with at least 2 consecutive days when daily max Ws < 10th percentile of base period (1986–2005) (all calendar days share the same percentiles) | days |

\* Monthly maxima (HsMx) and annual maxima (HsAx) are included in the summary statistics section and can be found in Appendix C.

\*\* Maps for Calm wind days (WsB0), Near gale-force wind days (WsB7), Gale-force wind days (WsB8), Strong gale-force wind days (WsB9), and Storm-force wind days (WsB10) are not explicitly produced. Equivalent information can be found in the frequency indices fWsB0 through fWsB10, respectively, as percentages of the days of the year.







