

# SOUTH BROOKS BUOY 46132, Canada

## Annual Climatic Design Data (2002–2018)

| Latitude | Longitude | Elevation m | Standard Station<br>Pressure kPa | Winter<br>Temperature °C | Summer<br>Temperature °C | Extreme Wind<br>Speed m/s | Extreme Wind<br>Direction |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 49.740N  | 127.930W  | 3           | 101.29                           | 1.8                      | 17.0                     | 17.7                      | SE                        |

## Monthly Winds (2002–2018)

|                           | Jan  | Feb  | Mar  | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov  | Dec  |
|---------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| %CALM                     | 0    | 1    | 0    | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 0    | 0    |
| <b>Prevailing Wind #1</b> |      |      |      |     |     |     |     |     |     |     |      |      |
| DIR                       | SE   | SE   | SE   | NW  | NW  | NW  | NW  | NW  | NW  | SE  | SE   | SE   |
| %OCC                      | 23   | 18   | 17   | 17  | 29  | 32  | 39  | 41  | 24  | 18  | 19   | 19   |
| AVG m/s                   | 10.7 | 10.0 | 10.2 | 8.1 | 8.8 | 9.0 | 9.4 | 8.6 | 7.8 | 9.8 | 10.7 | 11.3 |
| MED m/s                   | 10.9 | 10.2 | 10.1 | 8.4 | 9.1 | 9.3 | 9.8 | 8.9 | 7.9 | 9.8 | 11.1 | 11.4 |
| <b>Prevailing Wind #2</b> |      |      |      |     |     |     |     |     |     |     |      |      |
| DIR                       | ESE  | ESE  | SSE  | SE  | SE  | WNW | NNW | NNW | NNW | NNW | SSE  | SSE  |
| %OCC                      | 13   | 12   | 12   | 14  | 12  | 11  | 11  | 13  | 20  | 14  | 13   | 12   |
| AVG m/s                   | 9.6  | 9.6  | 8.5  | 9.4 | 8.2 | 5.9 | 9.0 | 8.4 | 8.5 | 7.8 | 8.8  | 9.7  |
| MED m/s                   | 8.9  | 9.7  | 8.3  | 9.7 | 8.4 | 5.7 | 9.6 | 8.9 | 8.8 | 8.1 | 8.6  | 9.7  |
| <b>Prevailing Wind #3</b> |      |      |      |     |     |     |     |     |     |     |      |      |
| DIR                       | SSE  | NNW  | NW   | SSE | WNW | SE  | WNW | WNW | SE  | NW  | NNW  | ESE  |
| %OCC                      | 12   | 11   | 10   | 11  | 10  | 10  | 11  | 11  | 11  | 11  | 9    | 12   |
| AVG m/s                   | 9.0  | 7.9  | 7.9  | 7.8 | 6.4 | 7.3 | 5.9 | 5.9 | 7.7 | 7.3 | 8.4  | 11.0 |
| MED m/s                   | 9.0  | 8.0  | 8.0  | 7.8 | 6.3 | 7.4 | 5.7 | 5.8 | 6.9 | 7.2 | 8.4  | 11.3 |
| <b>Prevailing Wind #4</b> |      |      |      |     |     |     |     |     |     |     |      |      |
| DIR                       | S    | NW   | NNW  | NNW | NNW | NNW | SE  | SE  | ESE | ESE | ESE  | NNW  |
| %OCC                      | 7    | 10   | 10   | 11  | 9   | 10  | 8   | 7   | 8   | 10  | 9    | 9    |
| AVG m/s                   | 7.5  | 8.1  | 8.2  | 8.4 | 7.5 | 8.1 | 6.5 | 6.6 | 6.9 | 9.0 | 8.3  | 8.5  |
| MED m/s                   | 7.4  | 8.0  | 8.2  | 8.7 | 7.7 | 8.3 | 6.2 | 6.3 | 6.0 | 8.5 | 7.2  | 8.5  |