

# PENSACOLA BUOY 42039, United States of America

## 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 28.788N  | 86.008W   | 0           | 101.33                           | 8.0                      | 30.5                     | 13.8                      | NNW                       |

## Monthly Winds (2002–2018)

|       | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| %CALM | 0   | 1   | 1   | 1   | 1   | 2   | 2   | 2   | 1   | 2   | 0   | 1   |

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | N   | SE  | ESE | ESE | ESE | WSW | WSW | WSW | ENE | ENE | E   | ESE |
| %OCC    | 10  | 10  | 12  | 13  | 13  | 9   | 11  | 10  | 16  | 13  | 11  | 10  |
| AVG m/s | 8.0 | 6.4 | 6.0 | 5.9 | 5.5 | 4.1 | 4.5 | 4.2 | 6.5 | 6.9 | 7.2 | 6.9 |
| MED m/s | 8.1 | 6.9 | 6.1 | 5.8 | 5.8 | 3.6 | 5.0 | 3.6 | 6.7 | 7.0 | 7.3 | 7.0 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNE | SSE | SE  | SE  | E   | ESE | W   | W   | E   | E   | NNE | SE  |
| %OCC    | 9   | 10  | 12  | 12  | 12  | 8   | 10  | 9   | 16  | 13  | 10  | 9   |
| AVG m/s | 7.2 | 6.2 | 6.1 | 5.5 | 5.5 | 4.5 | 4.7 | 4.3 | 6.2 | 6.7 | 6.7 | 7.1 |
| MED m/s | 7.0 | 6.3 | 6.2 | 5.6 | 5.8 | 4.0 | 5.0 | 3.5 | 6.3 | 6.9 | 6.6 | 7.2 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | ESE | ESE | E   | E   | SE  | SE  | SW  | SW  | ESE | NE  | ENE | E   |
| %OCC    | 9   | 9   | 11  | 10  | 11  | 8   | 9   | 9   | 10  | 11  | 10  | 9   |
| AVG m/s | 6.8 | 5.9 | 6.0 | 5.7 | 5.1 | 4.4 | 4.1 | 4.3 | 6.2 | 6.2 | 7.1 | 6.9 |
| MED m/s | 6.9 | 6.0 | 6.1 | 5.6 | 5.4 | 3.8 | 3.5 | 3.5 | 6.0 | 6.3 | 7.3 | 6.8 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNW | NNW | SSE | SSE | SSE | SW  | SSW | E   | NE  | NNE | NE  | NNE |
| %OCC    | 8   | 9   | 8   | 9   | 9   | 8   | 8   | 8   | 10  | 10  | 10  | 9   |
| AVG m/s | 8.2 | 7.6 | 6.1 | 5.6 | 4.9 | 4.0 | 3.9 | 5.5 | 6.0 | 5.9 | 6.5 | 6.9 |
| MED m/s | 8.3 | 7.6 | 6.1 | 5.8 | 5.2 | 3.5 | 3.2 | 5.6 | 6.2 | 6.0 | 6.6 | 7.0 |