

# LONG ISLAND BUOY 44025, United States of America

## Annual Climatic Design Data (1994–2018)

| 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 |
|----------|-----------|-------------|----------------------------------|--------------------------|--------------------------|---------------------------|---------------------------|
| 40.251N  | 73.164W   | 0           | 101.33                           | -7.7                     | 25.8                     | 15.5                      | WNW                       |

## Monthly Winds (1994–2018)

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

### Prevailing Wind #1

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | WNW | WNW | WNW | SSW | SSW | SSW | SSW | SSW | SSW | SSW | WNW | WNW |
| %OCC    | 15  | 14  | 10  | 14  | 16  | 20  | 21  | 17  | 11  | 8   | 13  | 13  |
| AVG m/s | 8.3 | 8.0 | 7.3 | 5.0 | 4.9 | 4.8 | 4.9 | 4.5 | 4.6 | 5.3 | 7.2 | 8.3 |
| MED m/s | 7.7 | 7.5 | 6.8 | 4.5 | 4.8 | 4.4 | 4.9 | 4.0 | 3.8 | 5.0 | 6.3 | 7.5 |

### Prevailing Wind #2

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NW  | W   | SSW | S   | S   | S   | SW  | SW  | ENE | WNW | NW  | NW  |
| %OCC    | 15  | 13  | 10  | 10  | 11  | 12  | 15  | 12  | 9   | 8   | 10  | 13  |
| AVG m/s | 8.2 | 7.4 | 5.5 | 4.9 | 4.3 | 4.3 | 4.5 | 4.2 | 6.9 | 6.9 | 7.0 | 8.4 |
| MED m/s | 8.1 | 7.0 | 5.1 | 4.5 | 3.8 | 3.7 | 3.9 | 3.6 | 6.7 | 6.6 | 6.4 | 8.2 |

### Prevailing Wind #3

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | W   | NW  | NW  | SW  | SW  | SW  | S   | S   | S   | SW  | W   | W   |
| %OCC    | 12  | 10  | 9   | 8   | 10  | 12  | 12  | 11  | 9   | 8   | 10  | 12  |
| AVG m/s | 7.5 | 8.1 | 7.0 | 4.1 | 4.2 | 4.5 | 4.1 | 4.1 | 4.2 | 5.2 | 6.9 | 7.7 |
| MED m/s | 7.0 | 8.0 | 6.8 | 3.3 | 3.6 | 3.8 | 3.4 | 3.5 | 3.3 | 4.8 | 5.7 | 7.2 |

### Prevailing Wind #4

|         |     |     |     |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DIR     | NNW | SW  | W   | W   | ENE | SSE | WSW | WSW | NE  | W   | NNW | NNW |
| %OCC    | 8   | 8   | 9   | 7   | 7   | 6   | 8   | 7   | 7   | 8   | 8   | 8   |
| AVG m/s | 6.6 | 5.7 | 6.3 | 4.7 | 5.0 | 4.1 | 3.6 | 3.8 | 5.8 | 6.3 | 7.0 | 7.3 |
| MED m/s | 6.5 | 5.6 | 5.6 | 3.9 | 4.8 | 3.1 | 3.1 | 3.2 | 5.3 | 5.6 | 6.6 | 7.0 |