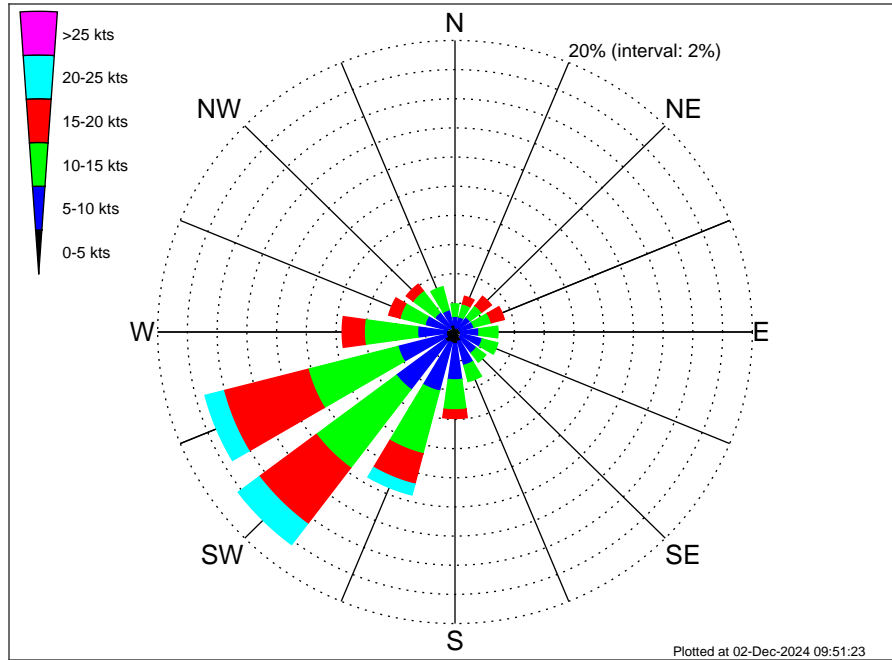


Long Island Wind Climatological Wind Rose for July: 1979 - 2015



Joint Frequency Distribution Table

| | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | Total |
|-------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|--------|
| calm | 0.01 | 0.03 | • | • | 0.03 | • | • | 0.01 | 0.04 | 0.01 | 0.04 | 0.01 | 0.03 | 0.03 | 0.01 | • | 0.27 |
| 0 - 5 kts | 0.24 | 0.29 | 0.39 | 0.32 | 0.36 | 0.40 | 0.46 | 0.66 | 0.76 | 0.73 | 0.79 | 0.60 | 0.56 | 0.49 | 0.35 | 0.52 | 7.93 |
| 5 - 10 kts | 0.82 | 0.76 | 0.88 | 0.99 | 1.22 | 1.50 | 1.34 | 1.68 | 2.48 | 3.44 | 4.10 | 3.34 | 1.93 | 1.57 | 1.32 | 1.05 | 28.44 |
| 10 - 15 kts | 0.85 | 0.92 | 0.99 | 1.21 | 1.28 | 1.08 | 0.79 | 1.15 | 2.06 | 4.44 | 6.74 | 6.25 | 3.59 | 1.74 | 1.86 | 1.64 | 36.59 |
| 15 - 20 kts | 0.27 | 0.53 | 0.81 | 0.91 | 0.36 | 0.32 | 0.19 | 0.20 | 0.59 | 2.16 | 4.81 | 5.88 | 1.48 | 0.78 | 0.56 | 0.49 | 20.33 |
| 20 - 25 kts | 0.04 | 0.13 | 0.20 | 0.06 | 0.09 | 0.12 | 0.10 | 0.13 | 0.13 | 0.76 | 1.77 | 1.28 | 0.23 | 0.10 | 0.14 | 0.07 | 5.36 |
| 25 - 30 kts | 0.01 | 0.04 | 0.01 | • | • | 0.06 | 0.01 | 0.04 | • | 0.13 | 0.33 | 0.16 | • | • | 0.06 | • | 0.86 |
| 30 - 35 kts | 0.01 | • | 0.03 | 0.01 | • | 0.01 | • | • | • | 0.01 | • | 0.03 | • | • | • | • | 0.12 |
| 35 - 40 kts | 0.01 | 0.01 | • | • | • | • | • | • | 0.01 | 0.01 | • | 0.01 | • | • | • | • | 0.07 |
| 40 - 45 kts | • | 0.01 | • | • | • | • | • | • | • | • | • | • | • | • | • | • | 0.01 |
| 45 - 50 kts | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Total | 2.29 | 2.74 | 3.31 | 3.50 | 3.34 | 3.49 | 2.89 | 3.89 | 6.08 | 11.71 | 18.59 | 17.57 | 7.82 | 4.71 | 4.31 | 3.77 | 100.00 |