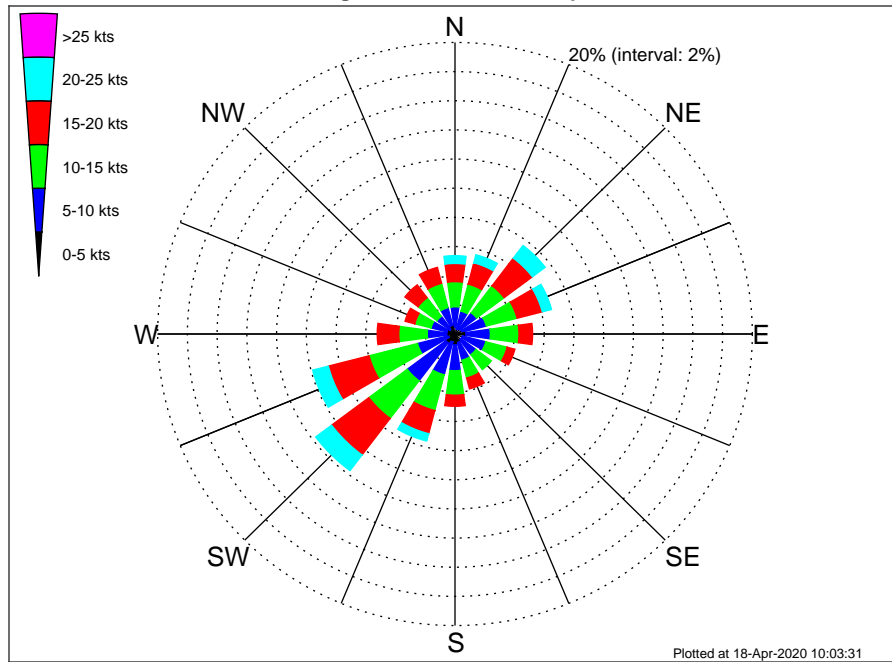


OCS A-0501 North Climatological Wind Rose for September: 1979 - 2015



Joint Frequency Distribution Table

|             | N    | NNE  | NE   | ENE  | E    | ESE  | SE   | SSE  | S    | SSW  | SW    | WSW   | W    | WNW  | NW   | NNW  | Total  |
|-------------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|------|------|------|--------|
| calm        | 0.04 | •    | 0.01 | 0.02 | 0.04 | 0.02 | 0.01 | 0.04 | 0.05 | 0.05 | 0.02  | 0.04  | 0.04 | 0.01 | •    | •    | 0.38   |
| 0 - 5 kts   | 0.44 | 0.33 | 0.42 | 0.48 | 0.70 | 0.50 | 0.49 | 0.57 | 0.70 | 0.51 | 0.74  | 0.43  | 0.52 | 0.55 | 0.42 | 0.62 | 8.41   |
| 5 - 10 kts  | 1.39 | 1.28 | 1.39 | 1.68 | 1.64 | 1.62 | 1.27 | 1.25 | 1.77 | 2.33 | 3.26  | 2.14  | 1.31 | 1.11 | 1.11 | 1.25 | 25.79  |
| 10 - 15 kts | 1.72 | 1.91 | 2.32 | 2.14 | 1.93 | 1.49 | 1.28 | 1.26 | 1.68 | 2.53 | 3.23  | 3.37  | 1.91 | 1.13 | 1.59 | 1.72 | 31.22  |
| 15 - 20 kts | 1.25 | 1.51 | 2.38 | 1.75 | 0.92 | 0.54 | 0.50 | 0.77 | 0.76 | 1.64 | 3.14  | 2.83  | 1.45 | 0.68 | 1.11 | 1.13 | 22.34  |
| 20 - 25 kts | 0.54 | 0.57 | 1.08 | 0.64 | 0.45 | 0.12 | 0.14 | 0.30 | 0.33 | 0.52 | 1.34  | 1.09  | 0.38 | 0.36 | 0.46 | 0.42 | 8.75   |
| 25 - 30 kts | 0.17 | 0.26 | 0.21 | 0.19 | 0.10 | 0.10 | 0.07 | 0.04 | 0.10 | 0.14 | 0.18  | 0.23  | 0.06 | 0.11 | 0.15 | 0.13 | 2.22   |
| 30 - 35 kts | 0.01 | 0.04 | 0.15 | 0.02 | 0.01 | 0.02 | 0.02 | 0.04 | 0.02 | 0.06 | 0.02  | 0.04  | •    | 0.02 | 0.02 | 0.07 | 0.58   |
| 35 - 40 kts | •    | 0.02 | 0.01 | 0.01 | •    | •    | 0.01 | 0.02 | 0.02 | •    | 0.01  | •     | 0.02 | •    | 0.02 | 0.01 | 0.18   |
| 40 - 45 kts | 0.01 | •    | 0.01 | •    | •    | •    | •    | •    | 0.01 | •    | 0.01  | •     | •    | •    | •    | •    | 0.05   |
| 45 - 50 kts | 0.01 | 0.02 | •    | •    | •    | •    | •    | •    | 0.01 | 0.02 | •     | •     | •    | •    | •    | •    | 0.07   |
| Total       | 5.58 | 5.96 | 7.99 | 6.93 | 5.78 | 4.40 | 3.80 | 4.28 | 5.46 | 7.81 | 11.96 | 10.15 | 5.70 | 3.96 | 4.89 | 5.35 | 100.00 |