

Williston January 1991 - 2005

| Range | Dir | Count | Upper Limit | Cum. Freq. | Wind Speed-> | <=3 | >3 - 9 | >9 - 15 | >15 - 21 | >21 - 27 | >27 |
|------------------|-----|-------|-------------|------------|--------------|-----|--------|---------|----------|----------|-----|
| >=348.75 - 11.25 | N | 619 | 11.25 | 619 | | 69 | 296 | 193 | 55 | 6 | |
| >11.25 - 33.75 | NNE | 497 | 33.75 | 1116 | | 74 | 294 | 114 | 13 | 2 | |
| >33.75 - 56.25 | NE | 345 | 56.25 | 1461 | | 77 | 187 | 77 | 4 | | |
| >56.25 - 78.75 | ENE | 286 | 78.75 | 1747 | | 57 | 167 | 54 | 8 | | |
| >78.75 - 101.25 | E | 517 | 101.25 | 2264 | | 61 | 235 | 160 | 61 | | |
| >101.25 - 123.75 | ESE | 628 | 123.75 | 2892 | | 76 | 299 | 185 | 63 | 5 | |
| >123.75 - 146.25 | SE | 394 | 146.25 | 3286 | | 65 | 210 | 93 | 23 | 3 | |
| >146.25 - 168.75 | SSE | 356 | 168.75 | 3642 | | 56 | 197 | 95 | 8 | | |
| >168.75 - 191.25 | S | 400 | 191.25 | 4042 | | 59 | 242 | 86 | 13 | | |
| >191.25 - 213.75 | SSW | 721 | 213.75 | 4763 | | 60 | 409 | 171 | 64 | 17 | |
| >213.75 - 236.25 | SW | 1086 | 236.25 | 5849 | | 56 | 568 | 395 | 54 | 10 | 3 |
| >236.25 - 258.75 | WSW | 1040 | 258.75 | 6889 | | 57 | 519 | 387 | 73 | 4 | |
| >258.75 - 281.25 | W | 1495 | 281.25 | 8384 | | 54 | 625 | 549 | 212 | 49 | 6 |
| >281.25 - 303.75 | WNW | 1146 | 303.75 | 9530 | | 60 | 514 | 381 | 160 | 26 | 5 |
| >303.75 - 326.25 | NW | 949 | 326.25 | 10479 | | 47 | 327 | 319 | 186 | 60 | 10 |
| >326.25 - 348.75 | NNW | 681 | 348.75 | 11160 | | 70 | 244 | 253 | 81 | 22 | 11 |

| Range | Dir | Count | Upper Limit | Cum. Freq. | Wind Speed-> | <=3 | >3 - 9 | >9 - 15 | >15 - 21 | >21 - 27 | >27 |
|------------------|-----|-------|-------------|------------|--------------|-------|--------|---------|----------|----------|-------|
| >=348.75 - 11.25 | N | 5.5% | 11.25 | 5.55% | | 0.62% | 2.65% | 1.73% | 0.49% | 0.05% | |
| >11.25 - 33.75 | NNE | 4.5% | 33.75 | 10.00% | | 0.66% | 2.63% | 1.02% | 0.12% | 0.02% | |
| >33.75 - 56.25 | NE | 3.1% | 56.25 | 13.09% | | 0.69% | 1.68% | 0.69% | 0.04% | | |
| >56.25 - 78.75 | ENE | 2.6% | 78.75 | 15.65% | | 0.51% | 1.50% | 0.48% | 0.07% | | |
| >78.75 - 101.25 | E | 4.6% | 101.25 | 20.29% | | 0.55% | 2.11% | 1.43% | 0.55% | | |
| >101.25 - 123.75 | ESE | 5.6% | 123.75 | 25.91% | | 0.68% | 2.68% | 1.66% | 0.56% | 0.04% | |
| >123.75 - 146.25 | SE | 3.5% | 146.25 | 29.44% | | 0.58% | 1.88% | 0.83% | 0.21% | 0.03% | |
| >146.25 - 168.75 | SSE | 3.2% | 168.75 | 32.63% | | 0.50% | 1.77% | 0.85% | 0.07% | | |
| >168.75 - 191.25 | S | 3.6% | 191.25 | 36.22% | | 0.53% | 2.17% | 0.77% | 0.12% | | |
| >191.25 - 213.75 | SSW | 6.5% | 213.75 | 42.68% | | 0.54% | 3.66% | 1.53% | 0.57% | 0.15% | |
| >213.75 - 236.25 | SW | 9.7% | 236.25 | 52.41% | | 0.50% | 5.09% | 3.54% | 0.48% | 0.09% | 0.03% |
| >236.25 - 258.75 | WSW | 9.3% | 258.75 | 61.73% | | 0.51% | 4.65% | 3.47% | 0.65% | 0.04% | |
| >258.75 - 281.25 | W | 13.4% | 281.25 | 75.13% | | 0.48% | 5.60% | 4.92% | 1.90% | 0.44% | 0.05% |
| >281.25 - 303.75 | WNW | 10.3% | 303.75 | 85.39% | | 0.54% | 4.61% | 3.41% | 1.43% | 0.23% | 0.04% |
| >303.75 - 326.25 | NW | 8.5% | 326.25 | 93.90% | | 0.42% | 2.93% | 2.86% | 1.67% | 0.54% | 0.09% |
| >326.25 - 348.75 | NNW | 6.1% | 348.75 | 100.00% | | 0.63% | 2.19% | 2.27% | 0.73% | 0.20% | 0.10% |
| | | | | | | 8.9% | 47.8% | 31.5% | 9.7% | 1.8% | 0.3% |