

Table 275. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of Precipitation

| DIRECTION 36 POINTS | ALL YEARS 1950-1964 | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|---------------------|------|-------|-------|------------------|-------|-------|-------|-------|-------------|--------|----------------|--------|
| | CALM | 1-3 | 4-7 | 8-12 | WIND SPEED (MPH) | | | | | >46 MISSING | | | |
| | | | | | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | | | | |
| CALM | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.67 |
| 1 | 0.01 | 0.05 | 0.28 | 0.90 | 0.88 | 0.36 | 0.10 | 0.00 | 0.00 | 0.00 | 0.02 | 2.80 | 3.27 |
| 2 | 0.00 | 0.11 | 0.25 | 0.77 | 1.02 | 0.54 | 0.15 | 0.01 | 0.01 | 0.00 | 0.00 | 2.86 | 6.13 |
| 3 | 0.00 | 0.10 | 0.33 | 1.06 | 1.23 | 0.66 | 0.21 | 0.02 | 0.00 | 0.00 | 0.01 | 3.60 | 9.73 |
| 4 | 0.00 | 0.10 | 0.26 | 0.87 | 1.13 | 0.70 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 3.24 | 12.98 |
| 5 | 0.00 | 0.06 | 0.38 | 0.77 | 1.01 | 0.68 | 0.26 | 0.02 | 0.00 | 0.00 | 0.00 | 3.17 | 16.15 |
| 6 | 0.00 | 0.11 | 0.41 | 1.10 | 1.33 | 0.62 | 0.21 | 0.03 | 0.00 | 0.00 | 0.00 | 3.80 | 19.96 |
| 7 | 0.01 | 0.12 | 0.29 | 0.92 | 0.92 | 0.56 | 0.14 | 0.03 | 0.00 | 0.00 | 0.00 | 3.04 | 23.00 |
| 8 | 0.01 | 0.14 | 0.29 | 0.94 | 0.93 | 0.46 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 | 25.90 |
| 9 | 0.03 | 0.14 | 0.34 | 1.33 | 0.82 | 0.38 | 0.05 | 0.01 | 0.00 | 0.00 | 0.02 | 3.12 | 29.03 |
| 10 | 0.02 | 0.09 | 0.38 | 0.88 | 0.57 | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.06 | 2.25 | 31.28 |
| 11 | 0.02 | 0.08 | 0.46 | 0.81 | 0.45 | 0.14 | 0.03 | 0.00 | 0.00 | 0.00 | 0.02 | 2.01 | 33.29 |
| 12 | 0.01 | 0.30 | 0.48 | 0.97 | 0.57 | 0.14 | 0.03 | 0.00 | 0.00 | 0.00 | 0.02 | 2.53 | 35.82 |
| 13 | 0.01 | 0.13 | 0.40 | 0.85 | 0.54 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 2.07 | 37.89 |
| 14 | 0.01 | 0.16 | 0.43 | 0.86 | 0.70 | 0.26 | 0.04 | 0.01 | 0.00 | 0.00 | 0.01 | 2.47 | 40.36 |
| 15 | 0.01 | 0.09 | 0.50 | 1.07 | 0.83 | 0.30 | 0.06 | 0.01 | 0.00 | 0.00 | 0.02 | 2.88 | 43.24 |
| 16 | 0.00 | 0.14 | 0.34 | 0.80 | 0.70 | 0.34 | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 2.41 | 45.65 |
| 17 | 0.01 | 0.10 | 0.53 | 0.89 | 0.70 | 0.32 | 0.11 | 0.00 | 0.00 | 0.00 | 0.02 | 2.68 | 48.33 |
| 18 | 0.00 | 0.08 | 0.54 | 1.25 | 1.01 | 0.55 | 0.26 | 0.05 | 0.02 | 0.00 | 0.04 | 3.77 | 52.10 |
| 19 | 0.01 | 0.06 | 0.62 | 1.32 | 1.22 | 0.59 | 0.08 | 0.02 | 0.01 | 0.00 | 0.06 | 3.98 | 56.08 |
| 20 | 0.01 | 0.09 | 0.38 | 0.97 | 1.20 | 0.50 | 0.19 | 0.02 | 0.00 | 0.00 | 0.02 | 3.38 | 59.46 |
| 21 | 0.01 | 0.12 | 0.44 | 1.36 | 1.33 | 0.56 | 0.19 | 0.06 | 0.01 | 0.00 | 0.01 | 4.10 | 63.56 |
| 22 | 0.01 | 0.12 | 0.34 | 0.86 | 1.05 | 0.56 | 0.11 | 0.03 | 0.00 | 0.00 | 0.01 | 3.09 | 66.65 |
| 23 | 0.01 | 0.06 | 0.42 | 0.78 | 1.12 | 0.39 | 0.08 | 0.03 | 0.02 | 0.00 | 0.03 | 2.92 | 69.58 |
| 24 | 0.00 | 0.10 | 0.53 | 1.10 | 0.90 | 0.34 | 0.12 | 0.06 | 0.02 | 0.00 | 0.02 | 3.20 | 72.78 |
| 25 | 0.02 | 0.06 | 0.32 | 0.75 | 0.62 | 0.29 | 0.16 | 0.03 | 0.02 | 0.00 | 0.01 | 2.27 | 75.05 |
| 26 | 0.00 | 0.03 | 0.30 | 0.70 | 0.60 | 0.37 | 0.22 | 0.11 | 0.03 | 0.00 | 0.03 | 2.40 | 77.45 |
| 27 | 0.01 | 0.04 | 0.27 | 0.72 | 0.68 | 0.46 | 0.21 | 0.07 | 0.00 | 0.01 | 0.03 | 2.49 | 79.94 |
| 28 | 0.01 | 0.05 | 0.18 | 0.42 | 0.49 | 0.30 | 0.10 | 0.02 | 0.00 | 0.00 | 0.02 | 1.58 | 81.52 |
| 29 | 0.02 | 0.06 | 0.21 | 0.48 | 0.57 | 0.22 | 0.06 | 0.03 | 0.02 | 0.00 | 0.03 | 1.69 | 83.22 |
| 30 | 0.00 | 0.10 | 0.30 | 0.67 | 0.78 | 0.38 | 0.09 | 0.04 | 0.00 | 0.00 | 0.02 | 2.37 | 85.59 |
| 31 | 0.00 | 0.05 | 0.22 | 0.53 | 0.59 | 0.19 | 0.10 | 0.00 | 0.00 | 0.00 | 0.02 | 1.69 | 87.28 |
| 32 | 0.02 | 0.06 | 0.19 | 0.45 | 0.62 | 0.32 | 0.16 | 0.02 | 0.00 | 0.00 | 0.01 | 1.85 | 89.12 |
| 33 | 0.02 | 0.10 | 0.25 | 0.68 | 0.73 | 0.39 | 0.23 | 0.01 | 0.01 | 0.00 | 0.02 | 2.43 | 91.55 |
| 34 | 0.00 | 0.06 | 0.13 | 0.50 | 0.55 | 0.29 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 93.17 |
| 35 | 0.01 | 0.05 | 0.22 | 0.58 | 0.85 | 0.58 | 0.22 | 0.00 | 0.00 | 0.00 | 0.01 | 2.51 | 95.68 |
| 36 | 0.01 | 0.10 | 0.29 | 0.74 | 1.24 | 0.48 | 0.11 | 0.03 | 0.00 | 0.00 | 0.04 | 3.03 | 98.71 |
| MISSING | 0.00 | 0.16 | 0.20 | 0.19 | 0.18 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 1.29 | 100.00 |
| TOTAL | 0.95 | 3.48 | 12.69 | 30.84 | 30.65 | 14.58 | 4.60 | 0.81 | 0.15 | 0.01 | 1.24 | 100.00 | |
| CUMUL TOTAL | 0.95 | 4.44 | 17.13 | 47.97 | 78.61 | 93.20 | 97.79 | 98.60 | 98.75 | 98.76 | 100.00 | | |

NUMBER OF OBSERVATIONS = 12513

Table 282. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. July 1951-1964

| | | STABLE CONDITIONS | | | | | | | | | | | | | | |
|------------------------|--|-------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|---------|--------|------|
| DIRECTION 36 POINTS | | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | | | |
| | | CALM | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | | | MISSING | | |
| CALM | | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 0.95 |
| 1 | | 0.00 | 0.09 | 0.35 | 0.58 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 2.31 |
| 2 | | 0.04 | 0.09 | 0.24 | 1.04 | 0.58 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 4.43 |
| 3 | | 0.00 | 0.09 | 0.43 | 2.18 | 1.25 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 8.43 |
| 4 | | 0.04 | 0.06 | 0.45 | 1.75 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 | 11.33 | |
| 5 | | 0.00 | 0.06 | 0.65 | 1.84 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 14.18 | |
| 6 | | 0.00 | 0.13 | 0.73 | 2.46 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.55 | 17.73 | |
| 7 | | 0.02 | 0.09 | 0.61 | 1.98 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 20.49 | |
| 8 | | 0.00 | 0.15 | 0.71 | 1.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 23.04 | |
| 9 | | 0.00 | 0.11 | 0.93 | 2.68 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.76 | 26.81 | |
| 10 | | 0.00 | 0.13 | 0.78 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 | 29.46 | |
| 11 | | 0.00 | 0.06 | 0.54 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 31.13 | |
| 12 | | 0.00 | 0.19 | 0.80 | 1.38 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 33.53 | |
| 13 | | 0.02 | 0.11 | 0.45 | 0.91 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 35.04 | |
| 14 | | 0.02 | 0.17 | 0.84 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 37.42 | |
| 15 | | 0.00 | 0.13 | 0.86 | 1.84 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.96 | 40.38 | |
| 16 | | 0.00 | 0.11 | 0.84 | 1.38 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 42.78 | |
| 17 | | 0.00 | 0.11 | 0.93 | 1.51 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 45.61 | |
| 18 | | 0.02 | 0.32 | 1.15 | 2.03 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.09 | 49.70 | |
| 19 | | 0.00 | 0.17 | 0.99 | 2.83 | 0.73 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.76 | 54.45 | |
| 20 | | 0.00 | 0.19 | 0.86 | 2.64 | 1.02 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 59.23 | |
| 21 | | 0.04 | 0.13 | 0.80 | 3.93 | 1.99 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.26 | 66.49 | |
| 22 | | 0.04 | 0.04 | 0.52 | 2.51 | 1.41 | 0.24 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 71.27 | |
| 23 | | 0.00 | 0.11 | 0.43 | 2.55 | 0.63 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.78 | 75.05 | |
| 24 | | 0.02 | 0.15 | 0.69 | 2.14 | 0.63 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.65 | 78.71 | |
| 25 | | 0.02 | 0.02 | 0.45 | 1.60 | 0.32 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 81.15 | |
| 26 | | 0.00 | 0.09 | 0.37 | 1.28 | 0.32 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 83.27 | |
| 27 | | 0.00 | 0.02 | 0.35 | 1.38 | 0.50 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 85.60 | |
| 28 | | 0.00 | 0.04 | 0.22 | 0.84 | 0.32 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 87.07 | |
| 29 | | 0.00 | 0.06 | 0.15 | 1.06 | 0.58 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 89.00 | |
| 30 | | 0.00 | 0.06 | 0.35 | 0.97 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 91.20 | |
| 31 | | 0.00 | 0.06 | 0.24 | 0.69 | 0.93 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 93.19 | |
| 32 | | 0.00 | 0.02 | 0.17 | 0.71 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.30 | 94.49 | |
| 33 | | 0.00 | 0.02 | 0.43 | 0.61 | 0.43 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 96.00 | |
| 34 | | 0.00 | 0.09 | 0.26 | 0.67 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 97.21 | |
| 35 | | 0.00 | 0.11 | 0.26 | 0.78 | 0.19 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 98.59 | |
| 36 | | 0.00 | 0.06 | 0.13 | 0.65 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 99.65 | |
| MISSING | | 0.00 | 0.04 | 0.02 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 100.00 | |
| TOTAL | | 1.25 | 3.72 | 20.00 | 57.22 | 16.36 | 1.23 | 6.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | | |
| CUMUL TOTAL | | 1.25 | 4.97 | 24.97 | 82.19 | 98.55 | 99.78 | 99.94 | 99.94 | 99.94 | 99.94 | 99.94 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 4626

| | | UNSTABLE CONDITIONS | | | | | | | | | | | | | |
|------------------------|--|---------------------|------|------|------|-------|-------|-------|-------|-------|------|-------|----------------|---------|-------|
| DIRECTION 36 POINTS | | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | | CALM | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | | | MISSING | |
| CALM | | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 0.72 |
| 1 | | 0.00 | 0.18 | 0.42 | 0.67 | 0.12 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 2.17 |
| 2 | | 0.00 | 0.15 | 0.78 | 1.06 | 0.53 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 4.91 |
| 3 | | 0.00 | 0.14 | 1.18 | 2.01 | 1.31 | 0.32 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.01 | 9.92 |
| 4 | | 0.00 | 0.16 | 0.81 | 1.61 | 0.90 | 0.15 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 3.67 | 13.59 |
| 5 | | 0.00 | 0.21 | 0.74 | 1.39 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 16.59 |
| 6 | | 0.00 | 0.21 | 0.83 | 1.43 | 0.37 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 19.45 |
| 7 | | 0.00 | 0.09 | 0.32 | 1.57 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 21.82 |
| 8 | | 0.02 | 0.16 | 0.67 | 1.20 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 24.24 |
| 9 | | 0.00 | 0.14 | 0.97 | 2.01 | 0.21 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 27.59 |
| 10 | | 0.00 | 0.21 | 0.76 | 0.78 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 29.41 |
| 11 | | 0.00 | 0.14 | 0.62 | 0.55 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 30.77 |
| 12 | | 0.00 | 0.23 | 0.67 | 0.51 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 32.23 |
| 13 | | 0.00 | 0.28 | 0.90 | 0.30 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 33.77 |
| 14 | | 0.00 | 0.30 | 0.78 | 0.32 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 35.23 |
| 15 | | 0.00 | 0.25 | 1.08 | 0.78 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 37.51 |
| 16 | | 0.00 | 0.09 | 0.81 | 0.69 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 39.31 |
| 17 | | 0.02 | 0.12 | 0.72 | 0.81 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 41.11 |
| 18 | | 0.00 | 0.21 | 0.76 | 0.85 | 0.51 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 43.58 |
| 19 | | 0.00 | 0.09 | 0.99 | 1.61 | 0.76 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 | 47.10 |
| 20 | | 0.00 | 0.16 | 1.08 | 1.36 | 0.67 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 50.54 |
| 21 | | 0.00 | 0.28 | 1.11 | 1.87 | 1.29 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.87 | 55.41 |
| 22 | | 0.00 | 0.21 | 1.06 | 1.85 | 1.04 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.36 | 59.77 |
| 23 | | 0.00 | 0.18 | 0.97 | 2.47 | 0.81 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.50 | 64.27 |
| 24 | | 0.00 | 0.18 | 1.27 | 2.35 | 1.20 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.05 | 69.32 |
| 25 | | 0.00 | 0.37 | 0.85 | 1.27 | 0.69 | 0.28 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 72.80 |
| 26 | | 0.00 | 0.18 | 0.76 | 1.38 | 0.52 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 76.15 |
| 27 | | 0.00 | 0.23 | 0.88 | 0.99 | 0.83 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 79.17 |
| 28 | | 0.00 | 0.16 | 0.55 | 1.11 | 0.78 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | 81.87 |
| 29 | | 0.00 | 0.35 | 0.67 | 1.20 | 0.65 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 84.94 |
| 30 | | 0.00 | 0.12 | 0.83 | 1.13 | 0.53 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | 87.64 |
| 31 | | 0.00 | 0.14 | 0.53 | 0.78 | 0.42 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 89.55 |
| 32 | | 0.00 | 0.30 | 0.46 | 1.01 | | | | | | | | | | |

Table 283. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. August 1951-1964

| DIRECTION 36 POINTS | STABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
|------------------------|-------------------|------------------|-------|-------|-------|--------|--------|--------|--------|---------|--------|--------|----------------|--------|--------|
| | CALM | WIND SPEED (MPH) | | | | | 32-38 | 39-46 | >46 | MISSING | | | | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | | | | | | | | | |
| CALM | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 0.92 |
| 1 | 0.02 | 0.14 | 0.16 | 0.21 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.97 |
| 2 | 0.00 | 0.08 | 0.39 | 1.33 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 5.44 |
| 3 | 0.00 | 0.08 | 0.59 | 2.17 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.93 | 9.37 |
| 4 | 0.00 | 0.04 | 0.37 | 1.90 | 0.49 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 12.18 |
| 5 | 0.00 | 0.08 | 0.47 | 1.72 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 14.76 |
| 6 | 0.00 | 0.25 | 0.61 | 1.19 | 0.22 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 17.03 |
| 7 | 0.00 | 0.08 | 0.49 | 1.51 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 19.14 |
| 8 | 0.06 | 0.10 | 0.55 | 1.66 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.44 | 21.59 |
| 9 | 0.02 | 0.10 | 0.61 | 2.23 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 24.60 |
| 10 | 0.00 | 0.06 | 0.63 | 1.35 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 26.69 |
| 11 | 0.02 | 0.14 | 0.68 | 1.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 28.80 |
| 12 | 0.00 | 0.18 | 0.63 | 1.25 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 30.92 |
| 13 | 0.02 | 0.16 | 0.53 | 1.49 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 33.12 |
| 14 | 0.04 | 0.06 | 0.72 | 1.51 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 35.53 |
| 15 | 0.02 | 0.12 | 0.72 | 2.01 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 38.64 |
| 16 | 0.00 | 0.29 | 0.80 | 1.66 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 41.51 |
| 17 | 0.04 | 0.14 | 0.74 | 1.78 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 44.39 |
| 18 | 0.00 | 0.16 | 0.84 | 2.56 | 0.27 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 48.24 |
| 19 | 0.04 | 0.16 | 0.70 | 2.95 | 0.61 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.48 | 52.72 |
| 20 | 0.02 | 0.10 | 0.82 | 3.56 | 0.80 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.36 | 58.08 |
| 21 | 0.00 | 0.14 | 1.06 | 4.17 | 2.33 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.78 | 65.86 |
| 22 | 0.00 | 0.08 | 0.70 | 2.19 | 1.80 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.87 | 70.73 |
| 23 | 0.00 | 0.08 | 0.49 | 1.70 | 0.92 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 74.03 |
| 24 | 0.00 | 0.02 | 0.82 | 2.15 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 77.59 |
| 25 | 0.00 | 0.06 | 0.55 | 1.29 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 79.68 |
| 26 | 0.00 | 0.06 | 0.27 | 1.17 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 81.40 |
| 27 | 0.00 | 0.14 | 0.45 | 1.04 | 0.33 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 83.38 |
| 28 | 0.00 | 0.08 | 0.35 | 0.74 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 84.87 |
| 29 | 0.00 | 0.04 | 0.33 | 0.68 | 0.41 | 0.06 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 86.39 |
| 30 | 0.00 | 0.10 | 0.37 | 1.06 | 0.63 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 88.64 |
| 31 | 0.00 | 0.12 | 0.59 | 0.53 | 0.41 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 90.30 |
| 32 | 0.00 | 0.10 | 0.47 | 0.84 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 92.18 |
| 33 | 0.00 | 0.08 | 0.33 | 1.02 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 94.15 |
| 34 | 0.00 | 0.06 | 0.14 | 0.78 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 | 95.52 |
| 35 | 0.00 | 0.08 | 0.33 | 0.92 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 97.52 |
| 36 | 0.00 | 0.06 | 0.18 | 1.41 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 99.71 |
| MISSING | 0.00 | 0.12 | 0.04 | 0.12 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 100.00 |
| TOTAL | 1.21 | 3.87 | 15.52 | 58.10 | 16.58 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 1.21 | 5.08 | 24.60 | 82.69 | 99.28 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 5114

| DIRECTION 36 POINTS | UNSTABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
|------------------------|---------------------|------------------|-------|-------|-------|-------|-------|-------|-------|------|---------|-------|----------------|--------|--------|
| | CALM | WIND SPEED (MPH) | | | | | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | | | | | | | | | |
| CALM | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.63 |
| 1 | 0.00 | 0.07 | 0.45 | 1.36 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 2.98 |
| 2 | 0.00 | 0.16 | 1.01 | 1.30 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 6.04 |
| 3 | 0.00 | 0.25 | 1.05 | 2.17 | 1.03 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.61 | 10.65 |
| 4 | 0.00 | 0.13 | 0.67 | 1.52 | 0.54 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 13.60 |
| 5 | 0.02 | 0.11 | 0.43 | 1.05 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 15.91 |
| 6 | 0.00 | 0.11 | 0.65 | 1.16 | 0.74 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 18.68 |
| 7 | 0.00 | 0.09 | 0.45 | 0.81 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 20.34 |
| 8 | 0.00 | 0.09 | 0.43 | 0.85 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 21.95 |
| 9 | 0.00 | 0.16 | 0.60 | 1.05 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 23.81 |
| 10 | 0.00 | 0.20 | 0.63 | 0.67 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 25.35 |
| 11 | 0.00 | 0.18 | 0.69 | 0.60 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 26.85 |
| 12 | 0.02 | 0.25 | 0.92 | 0.43 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 28.49 |
| 13 | 0.02 | 0.22 | 0.58 | 0.40 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 29.76 |
| 14 | 0.00 | 0.25 | 0.87 | 0.60 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 31.55 |
| 15 | 0.00 | 0.40 | 1.16 | 1.16 | 0.18 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 34.50 |
| 16 | 0.00 | 0.29 | 0.81 | 1.05 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 36.88 |
| 17 | 0.00 | 0.13 | 0.72 | 1.30 | 0.47 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 39.52 |
| 18 | 0.00 | 0.11 | 0.69 | 0.96 | 0.65 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 42.02 |
| 19 | 0.00 | 0.13 | 0.49 | 1.63 | 1.12 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.54 | 45.56 |
| 20 | 0.00 | 0.16 | 0.94 | 1.68 | 0.78 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.67 | 49.23 |
| 21 | 0.00 | 0.22 | 1.07 | 2.37 | 1.54 | 0.45 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.68 | 54.91 |
| 22 | 0.02 | 0.20 | 1.01 | 2.08 | 1.45 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.97 | 59.88 |
| 23 | 0.00 | 0.25 | 0.96 | 2.24 | 1.52 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.10 | 64.98 |
| 24 | 0.00 | 0.27 | 1.43 | 2.22 | 1.34 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.35 | 70.33 |
| 25 | 0.02 | 0.04 | 0.83 | 1.23 | 0.56 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 73.55 |
| 26 | 0.00 | 0.16 | 0.76 | 1.36 | 0.78 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 76.77 |
| 27 | 0.00 | 0.20 | 0.85 | 1.54 | 0.90 | 0.25 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.80 | 80.58 |
| 28 | 0.00 | 0.13 | 0.60 | 0.58 | 0.43 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 82.43 |
| 29 | 0.02 | 0.16 | 0.56 | 0.56 | 0.58 | 0.13 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 84.49 |
| 30 | 0.00 | 0.13 | 0.65 | 1.12 | 0.43 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 86.95 |
| 31 | 0.00 | 0.13 | 0.40 | 0.92 | 0.27 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 88.92 |
| 32 | 0.00 | 0.25 | 0.45 | 0.85 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 90.87 |
| 33 | 0.00 | 0.18 | 0.58 | 0.81 | 0.38 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 92.86 |
| 34 | 0.00 | 0.16 | 0.49 | 0.69 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 94.52 |
| 35 | 0.00 | 0.16 | 0.58 | 1.43 | 0.47 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 97.23 |
| 36 | 0.02 | 0.07 | 0.49 | 0.74 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 98.77 |
| MISSING | 0.00 | 0.60 | 0.36 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 100.00 |
| TOTAL | 0.78 | 6.00 | 26.52 | 42.56 | 20.21 | 2.75 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | </ |

Table 284. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. September 1951-1964

| | | STABLE CONDITIONS | | | | | | | | | | | | |
|------------------------|------|-------------------|-------|-------|-------|-------|-------|--------|--------|--------|---------|--------|----------------|--------|
| DIRECTION 36 POINTS | CALM | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | |
| CALM | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.58 |
| 1 | 0.02 | 0.06 | 0.21 | 1.03 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 2.50 |
| 2 | 0.02 | 0.10 | 0.25 | 1.01 | 0.54 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 4.46 |
| 3 | 0.00 | 0.04 | 0.12 | 1.41 | 0.54 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 6.65 |
| 4 | 0.00 | 0.04 | 0.17 | 1.07 | 0.41 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 8.35 |
| 5 | 0.00 | 0.04 | 0.25 | 1.41 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 10.37 |
| 6 | 0.00 | 0.04 | 0.31 | 1.24 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 12.28 |
| 7 | 0.00 | 0.14 | 0.39 | 1.38 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 14.45 |
| 8 | 0.02 | 0.08 | 0.41 | 1.30 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 | 16.74 |
| 9 | 0.02 | 0.10 | 0.47 | 1.82 | 0.27 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 19.49 |
| 10 | 0.00 | 0.06 | 0.27 | 1.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 21.35 |
| 11 | 0.06 | 0.00 | 0.52 | 1.59 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 23.68 |
| 12 | 0.00 | 0.10 | 0.45 | 1.92 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 26.41 |
| 13 | 0.02 | 0.04 | 0.35 | 1.59 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 28.52 |
| 14 | 0.02 | 0.06 | 0.54 | 1.74 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 31.10 |
| 15 | 0.02 | 0.12 | 0.74 | 2.33 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 34.55 |
| 16 | 0.02 | 0.19 | 0.62 | 1.69 | 0.52 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 37.63 |
| 17 | 0.02 | 0.12 | 0.45 | 1.80 | 0.47 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 40.50 |
| 18 | 0.04 | 0.04 | 0.81 | 2.42 | 1.12 | 0.12 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 45.15 |
| 19 | 0.00 | 0.10 | 0.54 | 2.64 | 1.28 | 0.35 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.94 | 50.09 |
| 20 | 0.00 | 0.04 | 0.41 | 2.67 | 1.57 | 0.58 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.35 | 55.43 |
| 21 | 0.00 | 0.12 | 0.45 | 2.60 | 2.81 | 0.52 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 | 61.95 |
| 22 | 0.00 | 0.10 | 0.41 | 1.34 | 1.61 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 65.84 |
| 23 | 0.00 | 0.04 | 0.25 | 1.30 | 1.16 | 0.19 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 68.84 |
| 24 | 0.00 | 0.10 | 0.43 | 2.00 | 1.24 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 72.74 |
| 25 | 0.00 | 0.06 | 0.29 | 1.12 | 0.66 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 74.91 |
| 26 | 0.00 | 0.06 | 0.25 | 0.79 | 0.76 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 76.90 |
| 27 | 0.00 | 0.06 | 0.25 | 0.62 | 1.05 | 0.10 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.21 | 79.11 |
| 28 | 0.00 | 0.02 | 0.23 | 0.64 | 0.66 | 0.04 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 80.82 |
| 29 | 0.00 | 0.14 | 0.23 | 0.93 | 0.99 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 83.18 |
| 30 | 0.00 | 0.00 | 0.19 | 1.10 | 1.51 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.93 | 86.11 |
| 31 | 0.04 | 0.02 | 0.14 | 1.12 | 1.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 88.47 |
| 32 | 0.00 | 0.06 | 0.23 | 0.87 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 90.80 |
| 33 | 0.00 | 0.02 | 0.23 | 0.81 | 0.70 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 92.58 |
| 34 | 0.02 | 0.02 | 0.19 | 0.60 | 0.48 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 93.92 |
| 35 | 0.00 | 0.06 | 0.14 | 0.99 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 95.72 |
| 36 | 0.02 | 0.02 | 0.16 | 0.81 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 97.87 |
| MISSING | 0.00 | 0.06 | 0.12 | 1.45 | 0.48 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 100.00 |
| TOTAL CUMUL TOTAL | 0.93 | 2.40 | 12.46 | 52.64 | 27.84 | 3.14 | 0.54 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 0.93 | 3.33 | 15.79 | 68.44 | 96.28 | 99.42 | 99.96 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 5161

| | | UNSTABLE CONDITIONS | | | | | | | | | | | | |
|------------------------|------|---------------------|-------|-------|-------|-------|-------|--------|--------|--------|---------|--------|----------------|--------|
| DIRECTION 36 POINTS | CALM | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | |
| CALM | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.30 |
| 1 | 0.00 | 0.05 | 0.27 | 0.86 | 0.89 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 2.52 |
| 2 | 0.00 | 0.07 | 0.42 | 1.19 | 0.44 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 4.82 |
| 3 | 0.00 | 0.10 | 0.42 | 1.51 | 1.19 | 0.10 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 8.15 |
| 4 | 0.00 | 0.07 | 0.64 | 1.04 | 0.82 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 10.85 |
| 5 | 0.00 | 0.10 | 0.32 | 0.82 | 0.77 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 12.95 |
| 6 | 0.00 | 0.07 | 0.57 | 0.99 | 0.96 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 15.64 |
| 7 | 0.02 | 0.05 | 0.54 | 0.96 | 0.40 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 17.67 |
| 8 | 0.00 | 0.20 | 0.44 | 0.74 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 19.32 |
| 9 | 0.02 | 0.10 | 0.62 | 1.09 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 21.20 |
| 10 | 0.00 | 0.12 | 0.74 | 0.49 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 22.68 |
| 11 | 0.02 | 0.20 | 0.69 | 0.54 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 24.22 |
| 12 | 0.00 | 0.12 | 0.67 | 0.64 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 25.70 |
| 13 | 0.00 | 0.17 | 0.72 | 0.44 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 27.06 |
| 14 | 0.00 | 0.25 | 0.59 | 0.84 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 29.03 |
| 15 | 0.02 | 0.15 | 1.09 | 1.11 | 0.40 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 31.88 |
| 16 | 0.00 | 0.25 | 0.91 | 1.01 | 0.35 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.59 | 34.47 |
| 17 | 0.00 | 0.15 | 0.62 | 0.89 | 0.37 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 36.62 |
| 18 | 0.00 | 0.10 | 0.69 | 1.43 | 0.82 | 0.27 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 | 40.03 |
| 19 | 0.00 | 0.07 | 0.69 | 1.56 | 1.28 | 0.47 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.23 | 44.26 |
| 20 | 0.00 | 0.20 | 0.77 | 1.56 | 1.90 | 0.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.92 | 49.17 |
| 21 | 0.02 | 0.12 | 1.14 | 1.66 | 2.08 | 0.96 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.08 | 55.25 |
| 22 | 0.00 | 0.10 | 0.44 | 1.56 | 1.28 | 0.49 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 59.20 |
| 23 | 0.05 | 0.30 | 0.57 | 1.31 | 1.26 | 0.30 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.83 | 63.03 |
| 24 | 0.00 | 0.22 | 0.62 | 1.46 | 1.38 | 0.54 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 | 67.56 |
| 25 | 0.00 | 0.20 | 0.27 | 1.43 | 0.62 | 0.35 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.89 | 70.45 |
| 26 | 0.00 | 0.12 | 0.64 | 1.36 | 0.84 | 0.30 | 0.15 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 73.93 |
| 27 | 0.00 | 0.27 | 0.42 | 1.21 | 0.91 | 0.30 | 0.10 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.26 | 77.19 |
| 28 | 0.02 | 0.10 | 0.40 | 0.79 | 0.44 | 0.25 | 0.10 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 79.37 |
| 29 | 0.00 | 0.07 | 0.37 | 0.89 | 0.82 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 81.69 |
| 30 | 0.00 | 0.30 | 0.47 | 1.36 | 0.89 | 0.35 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 | 85.12 |
| 31 | 0.00 | 0.07 | 0.40 | 0.59 | 0.89 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 87.27 |
| 32 | 0.00 | 0.07 | 0.35 | 0.79 | 0.69 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 89.28 |
| 33 | 0.00 | 0.22 | 0.62 | 1.01 | 0.89 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 92.14 |
| 34 | 0.00 | 0.05 | 0.42 | 0.69 | 0.37 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 93.72 |
| 35 | 0.02 | 0.12 | 0.42 | 0.77 | 0.49 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 95.60 |
| 36 | 0.00 | 0.05 | 0.52 | 1.06 | 0.69 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 98.10 |
| MISSING | 0.02 | 0.57 | 0.54 | 0.27 | 0.32 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 100.00 |
| TOTAL CUMUL TOTAL | 0.54 | 5.56 | 21.13 | 37.93 | 26.22 | 7.02 | 1.41 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 0.54 | 6.10 | 27.23 | 65.16 | 91.38 | 98.39 | 99.80 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 4047

Table 285. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. October 1951-1964

| STABLE CONDITIONS | | | | | | | | | | | | | |
|------------------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|------|---------|--------|----------------|
| DIRECTION 36 POINTS | WIND SPEED (MPH) | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | CALM | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | |
| CALM | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.47 |
| 1 | 0.02 | 0.00 | 0.24 | 0.77 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 2.08 |
| 2 | 0.00 | 0.06 | 0.17 | 0.86 | 0.41 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 3.62 |
| 3 | 0.00 | 0.07 | 0.36 | 1.01 | 0.69 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 5.81 |
| 4 | 0.00 | 0.06 | 0.22 | 0.84 | 0.60 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 7.56 |
| 5 | 0.00 | 0.13 | 0.19 | 0.96 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 9.07 |
| 6 | 0.02 | 0.00 | 0.28 | 0.73 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 10.33 |
| 7 | 0.00 | 0.06 | 0.28 | 0.96 | 0.21 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 11.85 |
| 8 | 0.00 | 0.06 | 0.22 | 0.96 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 13.44 |
| 9 | 0.00 | 0.17 | 0.26 | 1.69 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 16.01 |
| 10 | 0.00 | 0.11 | 0.22 | 0.99 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 17.47 |
| 11 | 0.00 | 0.02 | 0.22 | 0.97 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 18.88 |
| 12 | 0.02 | 0.02 | 0.47 | 1.54 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 21.20 |
| 13 | 0.00 | 0.06 | 0.26 | 1.46 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 2.02 | 23.23 |
| 14 | 0.00 | 0.07 | 0.36 | 1.42 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 25.31 |
| 15 | 0.02 | 0.07 | 0.56 | 2.16 | 0.39 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 28.53 |
| 16 | 0.00 | 0.11 | 0.24 | 1.63 | 0.45 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.47 | 31.01 |
| 17 | 0.00 | 0.06 | 0.52 | 1.59 | 0.56 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 33.76 |
| 18 | 0.00 | 0.06 | 0.56 | 2.27 | 1.31 | 0.26 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 4.56 | 38.32 |
| 19 | 0.06 | 0.15 | 0.58 | 2.74 | 1.86 | 0.13 | 0.09 | 0.00 | 0.00 | 0.00 | 0.04 | 5.55 | 43.87 |
| 20 | 0.00 | 0.07 | 0.52 | 1.71 | 2.66 | 0.34 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 5.32 | 49.19 |
| 21 | 0.02 | 0.11 | 0.54 | 2.16 | 3.86 | 1.01 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 7.91 | 57.11 |
| 22 | 0.04 | 0.06 | 0.32 | 1.16 | 2.47 | 0.84 | 0.04 | 0.00 | 0.00 | 0.00 | 0.04 | 4.97 | 62.07 |
| 23 | 0.02 | 0.04 | 0.28 | 1.33 | 1.97 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 4.01 | 66.09 |
| 24 | 0.00 | 0.13 | 0.47 | 1.72 | 1.54 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.03 | 70.12 |
| 25 | 0.00 | 0.02 | 0.34 | 0.99 | 0.69 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 2.14 | 72.25 |
| 26 | 0.00 | 0.06 | 0.19 | 0.66 | 1.01 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 74.22 |
| 27 | 0.00 | 0.02 | 0.17 | 1.03 | 1.31 | 0.15 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 2.72 | 76.94 |
| 28 | 0.00 | 0.02 | 0.13 | 0.73 | 1.05 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 78.93 |
| 29 | 0.00 | 0.02 | 0.22 | 0.90 | 1.05 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 81.31 |
| 30 | 0.00 | 0.00 | 0.19 | 1.39 | 1.39 | 0.24 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 3.24 | 84.55 |
| 31 | 0.00 | 0.04 | 0.17 | 1.01 | 0.81 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 86.61 |
| 32 | 0.06 | 0.04 | 0.15 | 0.84 | 0.77 | 0.09 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 88.60 |
| 33 | 0.00 | 0.10 | 0.30 | 0.92 | 1.27 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 91.34 |
| 34 | 0.02 | 0.00 | 0.17 | 0.84 | 1.12 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | 93.59 |
| 35 | 0.00 | 0.06 | 0.22 | 1.11 | 1.22 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 96.23 |
| 36 | 0.00 | 0.09 | 0.26 | 1.39 | 0.82 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 | 98.89 |
| MISSING | 0.00 | 0.06 | 0.00 | 0.66 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 1.11 | 100.00 |
| TOTAL CUMUL TOTAL | 0.75 | 2.31 | 10.89 | 46.10 | 34.78 | 4.46 | 0.49 | 0.02 | 0.00 | 0.00 | 0.21 | 100.00 | |

NUMBER OF OBSERVATIONS = 5334

| UNSTABLE CONDITIONS | | | | | | | | | | | | | |
|------------------------|------------------|------|-------|-------|-------|-------|-------|-------|-------|------|---------|--------|----------------|
| DIRECTION 36 POINTS | WIND SPEED (MPH) | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | CALM | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | |
| CALM | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.40 |
| 1 | 0.00 | 0.08 | 0.50 | 1.23 | 0.80 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 3.16 |
| 2 | 0.00 | 0.05 | 0.40 | 1.05 | 0.38 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 5.19 |
| 3 | 0.00 | 0.23 | 0.60 | 1.56 | 1.20 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.89 | 9.08 |
| 4 | 0.00 | 0.15 | 0.38 | 0.48 | 0.60 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 10.86 |
| 5 | 0.03 | 0.03 | 0.36 | 0.60 | 0.30 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 12.24 |
| 6 | 0.03 | 0.15 | 0.23 | 0.80 | 0.55 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 1.78 | 14.02 |
| 7 | 0.00 | 0.13 | 0.18 | 0.95 | 0.25 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 15.55 |
| 8 | 0.00 | 0.05 | 0.28 | 0.78 | 0.20 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 16.88 |
| 9 | 0.00 | 0.08 | 0.50 | 0.58 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 18.14 |
| 10 | 0.03 | 0.08 | 0.15 | 0.48 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 18.97 |
| 11 | 0.00 | 0.00 | 0.25 | 0.58 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 19.89 |
| 12 | 0.00 | 0.03 | 0.33 | 0.58 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 21.05 |
| 13 | 0.00 | 0.08 | 0.68 | 0.93 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 22.88 |
| 14 | 0.00 | 0.03 | 0.40 | 0.93 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 1.48 | 24.36 |
| 15 | 0.00 | 0.33 | 0.65 | 0.83 | 0.35 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 2.26 | 26.62 |
| 16 | 0.00 | 0.28 | 0.30 | 1.00 | 0.28 | 0.15 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 28.65 |
| 17 | 0.00 | 0.20 | 0.68 | 0.93 | 0.68 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 31.23 |
| 18 | 0.00 | 0.18 | 0.55 | 1.03 | 1.38 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 34.92 |
| 19 | 0.00 | 0.10 | 0.48 | 1.48 | 1.81 | 0.63 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 4.62 | 39.54 |
| 20 | 0.00 | 0.20 | 0.20 | 1.33 | 1.83 | 0.78 | 0.05 | 0.03 | 0.00 | 0.00 | 0.03 | 4.44 | 43.98 |
| 21 | 0.30 | 0.25 | 0.53 | 1.81 | 2.48 | 1.08 | 0.23 | 0.03 | 0.00 | 0.00 | 0.03 | 6.42 | 50.40 |
| 22 | 0.03 | 0.10 | 0.63 | 0.93 | 1.66 | 0.63 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 4.16 | 54.57 |
| 23 | 0.03 | 0.08 | 0.38 | 0.88 | 1.46 | 0.65 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 | 58.15 |
| 24 | 0.03 | 0.18 | 0.43 | 1.23 | 1.33 | 0.43 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.66 | 61.82 |
| 25 | 0.00 | 0.18 | 0.35 | 0.60 | 0.73 | 0.23 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 2.13 | 63.95 |
| 26 | 0.00 | 0.05 | 0.45 | 0.53 | 0.63 | 0.43 | 0.20 | 0.03 | 0.00 | 0.00 | 0.00 | 2.31 | 66.26 |
| 27 | 0.00 | 0.15 | 0.58 | 1.38 | 1.08 | 0.55 | 0.18 | 0.03 | 0.00 | 0.00 | 0.00 | 3.94 | 70.20 |
| 28 | 0.00 | 0.15 | 0.53 | 0.75 | 1.00 | 0.20 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 2.68 | 72.88 |
| 29 | 0.06 | 0.15 | 0.55 | 0.80 | 0.85 | 0.45 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 2.89 | 75.77 |
| 30 | 0.00 | 0.00 | 0.60 | 0.83 | 1.13 | 0.40 | 0.10 | 0.00 | 0.00 | 0.00 | 0.03 | 3.09 | 78.85 |
| 31 | 0.00 | 0.03 | 0.40 | 0.83 | 0.95 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 81.36 |
| 32 | 0.00 | 0.10 | 0.33 | 0.98 | 0.93 | 0.65 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 84.45 |
| 33 | 0.00 | 0.10 | 0.48 | 1.00 | 1.43 | 0.78 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 | 88.38 |
| 34 | 0.00 | 0.10 | 0.40 | 0.80 | 1.40 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 3.11 | 91.50 |
| 35 | 0.00 | 0.08 | 0.38 | 1.43 | 1.96 | 0.48 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 4.37 | 95.86 |
| 36 | 0.00 | 0.18 | 0.35 | 1.30 | 0.83 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 98.72 |
| MISSING | 0.00 | 0.38 | 0.33 | 0.43 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 100.00 |
| TOTAL CUMUL TOTAL | 0.55 | 4.64 | 15.78 | 34.62 | 31.36 | 10.79 | 1.93 | 0.15 | 0.00 | 0.00 | 0.18 | 100.00 | |

NUMBER OF OBSERVATIONS = 3986

Table 286. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. November 1951-1964

| DIRECTION 36 POINTS | STABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------|-------------------|------|-------|-------|------------------|-------|-------|-------|-------|-------|---------|--------|----------------|
| | CALM | 1-3 | 4-7 | 8-12 | WIND SPEED (MPH) | | | | | >46 | MISSING | | |
| | | | | | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | | | | |
| CALM | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.52 |
| 1 | 0.00 | 0.05 | 0.34 | 0.57 | 0.23 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 1.73 |
| 2 | 0.00 | 0.02 | 0.34 | 0.77 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 3.21 |
| 3 | 0.00 | 0.07 | 0.39 | 0.59 | 0.32 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.39 | 4.60 |
| 4 | 0.00 | 0.09 | 0.27 | 0.61 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.39 | 5.98 |
| 5 | 0.00 | 0.02 | 0.20 | 0.52 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 6.94 |
| 6 | 0.00 | 0.05 | 0.36 | 0.64 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 8.35 |
| 7 | 0.00 | 0.07 | 0.09 | 0.43 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 9.08 |
| 8 | 0.00 | 0.02 | 0.20 | 0.46 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 9.94 |
| 9 | 0.00 | 0.05 | 0.30 | 0.57 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 10.94 |
| 10 | 0.02 | 0.05 | 0.23 | 0.39 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 11.88 |
| 11 | 0.00 | 0.05 | 0.20 | 0.52 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 12.88 |
| 12 | 0.00 | 0.05 | 0.25 | 0.96 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 14.40 |
| 13 | 0.05 | 0.07 | 0.18 | 1.02 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 | 15.88 |
| 14 | 0.02 | 0.02 | 0.27 | 1.11 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 17.59 |
| 15 | 0.02 | 0.05 | 0.48 | 1.30 | 0.36 | 0.02 | 0.02 | 0.02 | 0.00 | 0.00 | 0.00 | 2.28 | 19.86 |
| 16 | 0.00 | 0.00 | 0.36 | 0.89 | 0.27 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 21.57 |
| 17 | 0.00 | 0.07 | 0.41 | 1.27 | 0.96 | 0.11 | 0.14 | 0.02 | 0.00 | 0.00 | 0.00 | 2.98 | 24.55 |
| 18 | 0.02 | 0.07 | 0.50 | 1.89 | 1.73 | 0.41 | 0.07 | 0.00 | 0.02 | 0.00 | 0.02 | 4.73 | 29.28 |
| 19 | 0.02 | 0.05 | 0.30 | 2.23 | 2.53 | 0.43 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 5.60 | 34.88 |
| 20 | 0.02 | 0.05 | 0.32 | 2.30 | 3.57 | 0.89 | 0.18 | 0.00 | 0.00 | 0.00 | 0.05 | 7.37 | 42.25 |
| 21 | 0.00 | 0.07 | 0.39 | 2.09 | 4.57 | 1.23 | 0.18 | 0.07 | 0.02 | 0.00 | 0.00 | 8.62 | 50.88 |
| 22 | 0.00 | 0.05 | 0.20 | 1.46 | 2.89 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 5.64 | 56.52 |
| 23 | 0.00 | 0.02 | 0.27 | 1.34 | 1.89 | 0.66 | 0.05 | 0.00 | 0.00 | 0.00 | 0.02 | 4.25 | 60.77 |
| 24 | 0.00 | 0.02 | 0.27 | 1.59 | 2.23 | 0.64 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.78 | 65.55 |
| 25 | 0.02 | 0.07 | 0.23 | 1.07 | 1.37 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 3.07 | 68.62 |
| 26 | 0.02 | 0.07 | 0.25 | 1.25 | 1.05 | 0.11 | 0.02 | 0.02 | 0.00 | 0.00 | 0.02 | 2.82 | 71.44 |
| 27 | 0.00 | 0.07 | 0.18 | 1.64 | 1.96 | 0.30 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 4.19 | 75.63 |
| 28 | 0.00 | 0.00 | 0.23 | 1.00 | 1.55 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 3.05 | 78.68 |
| 29 | 0.00 | 0.09 | 0.09 | 1.07 | 1.55 | 0.41 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 81.96 |
| 30 | 0.00 | 0.00 | 0.27 | 1.05 | 1.87 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 85.78 |
| 31 | 0.02 | 0.05 | 0.18 | 0.91 | 1.21 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.57 | 88.35 |
| 32 | 0.00 | 0.05 | 0.43 | 1.30 | 0.86 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.68 | 91.04 |
| 33 | 0.02 | 0.11 | 0.30 | 1.05 | 0.96 | 0.23 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 2.73 | 93.77 |
| 34 | 0.02 | 0.09 | 0.32 | 0.82 | 0.71 | 0.07 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.05 | 95.81 |
| 35 | 0.00 | 0.18 | 0.30 | 0.82 | 0.75 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 97.93 |
| 36 | 0.00 | 0.02 | 0.20 | 0.73 | 0.64 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 99.61 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.39 | 100.00 |
| TOTAL | 0.82 | 1.89 | 10.13 | 38.23 | 38.86 | 8.35 | 0.86 | 0.18 | 0.05 | 0.00 | 0.64 | 100.00 | |
| CUMUL TOTAL | 0.82 | 2.71 | 12.83 | 51.06 | 89.92 | 98.27 | 99.14 | 99.32 | 99.36 | 99.36 | 100.00 | | |

NUMBER OF OBSERVATIONS = 4395

| DIRECTION 36 POINTS | UNSTABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------|---------------------|------|-------|-------|------------------|-------|-------|-------|-------|-------|---------|--------|----------------|
| | CALM | 1-3 | 4-7 | 8-12 | WIND SPEED (MPH) | | | | | >46 | MISSING | | |
| | | | | | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | | | | |
| CALM | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 |
| 1 | 0.00 | 0.02 | 0.34 | 0.84 | 0.27 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 1.88 |
| 2 | 0.00 | 0.07 | 0.36 | 0.36 | 0.18 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 2.99 |
| 3 | 0.02 | 0.18 | 0.27 | 0.36 | 0.29 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 4.44 |
| 4 | 0.02 | 0.02 | 0.20 | 0.14 | 0.14 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 5.05 |
| 5 | 0.00 | 0.07 | 0.11 | 0.23 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 5.64 |
| 6 | 0.00 | 0.05 | 0.20 | 0.59 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 6.79 |
| 7 | 0.00 | 0.07 | 0.09 | 0.52 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 7.58 |
| 8 | 0.02 | 0.07 | 0.25 | 0.38 | 0.14 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 8.49 |
| 9 | 0.00 | 0.07 | 0.29 | 0.43 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 9.48 |
| 10 | 0.00 | 0.07 | 0.23 | 0.27 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 10.12 |
| 11 | 0.00 | 0.07 | 0.09 | 0.27 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 10.62 |
| 12 | 0.00 | 0.05 | 0.25 | 0.48 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 11.52 |
| 13 | 0.00 | 0.07 | 0.23 | 0.66 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 12.58 |
| 14 | 0.05 | 0.16 | 0.16 | 0.52 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 13.63 |
| 15 | 0.00 | 0.09 | 0.36 | 0.93 | 0.18 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 15.30 |
| 16 | 0.00 | 0.07 | 0.25 | 0.70 | 0.34 | 0.11 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 16.79 |
| 17 | 0.00 | 0.00 | 0.41 | 0.79 | 1.00 | 0.34 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 2.74 | 19.53 |
| 18 | 0.00 | 0.09 | 0.52 | 1.02 | 0.97 | 0.48 | 0.18 | 0.14 | 0.00 | 0.00 | 0.00 | 3.40 | 22.93 |
| 19 | 0.02 | 0.14 | 0.25 | 1.27 | 1.99 | 0.68 | 0.25 | 0.02 | 0.02 | 0.00 | 0.00 | 4.64 | 27.57 |
| 20 | 0.00 | 0.07 | 0.52 | 0.81 | 1.67 | 1.27 | 0.27 | 0.00 | 0.02 | 0.00 | 0.00 | 4.64 | 32.21 |
| 21 | 0.02 | 0.14 | 0.43 | 1.11 | 1.77 | 1.43 | 0.36 | 0.02 | 0.02 | 0.00 | 0.00 | 5.32 | 37.53 |
| 22 | 0.00 | 0.09 | 0.25 | 1.09 | 1.34 | 0.77 | 0.14 | 0.05 | 0.02 | 0.00 | 0.00 | 3.73 | 41.26 |
| 23 | 0.00 | 0.05 | 0.41 | 0.84 | 1.49 | 0.38 | 0.27 | 0.11 | 0.02 | 0.00 | 0.00 | 3.58 | 44.84 |
| 24 | 0.02 | 0.23 | 0.38 | 1.43 | 1.61 | 0.86 | 0.81 | 0.45 | 0.05 | 0.00 | 0.00 | 5.84 | 50.68 |
| 25 | 0.05 | 0.11 | 0.57 | 1.24 | 1.00 | 0.72 | 0.59 | 0.50 | 0.05 | 0.00 | 0.00 | 4.82 | 55.50 |
| 26 | 0.00 | 0.07 | 0.36 | 1.22 | 0.81 | 1.09 | 0.81 | 0.43 | 0.02 | 0.02 | 0.05 | 4.89 | 60.39 |
| 27 | 0.00 | 0.14 | 0.38 | 1.27 | 1.52 | 1.72 | 1.09 | 0.11 | 0.00 | 0.00 | 0.32 | 6.54 | 66.93 |
| 28 | 0.02 | 0.02 | 0.32 | 0.61 | 1.43 | 1.02 | 0.41 | 0.00 | 0.00 | 0.00 | 0.02 | 3.85 | 70.78 |
| 29 | 0.00 | 0.00 | 0.20 | 0.95 | 1.31 | 1.20 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 74.90 |
| 30 | 0.02 | 0.07 | 0.43 | 1.65 | 1.67 | 0.72 | 0.16 | 0.05 | 0.00 | 0.00 | 0.00 | 4.78 | 79.67 |
| 31 | 0.00 | 0.07 | 0.41 | 1.34 | 1.34 | 0.68 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 3.92 | 83.59 |
| 32 | 0.02 | 0.07 | 0.42 | 1.04 | 1.49 | 0.50 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 | 87.19 |
| 33 | 0.00 | 0.05 | 0.45 | 1.09 | 2.04 | 0.68 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 91.51 |
| 34 | 0.00 | 0.14 | 0.45 | 0.95 | 0.84 | 0.29 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.69 | 94.21 |
| 35 | 0.00 | 0.23 | 0.43 | 1.43 | 0.91 | 0.27 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 | 97.58 |
| 36 | 0.00 | 0.09 | 0.32 | 0.57 | 0.79 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.95 | 99.52 |
| MISSING | 0.00 | 0.20 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.48 | 100.00 |
| TOTAL | 0.50 | 3.21 | 11.70 | 29.40 | 29.86 | 16.30 | 6.29 | 1.95 | 0.23 | 0.02 | 0.54 | 100.00 | |
| CUMUL TOTAL | 0.50 | 3.71 | 15.41 | 44.82 | 74.67 | 90.97 | 97.26 | 99.21 | 99.43 | 99.46 | | | |

Table 287. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. December 1951-1964

| DIRECTION 36 POINTS | STABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|-------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------|----------------|--------|
| | CALM | WIND SPEED (MPH) | | | | | | | | | | | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | |
| CALM | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.64 |
| 1 | 0.00 | 0.05 | 0.19 | 0.88 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 2.20 |
| 2 | 0.00 | 0.11 | 0.35 | 0.29 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 3.08 |
| 3 | 0.00 | 0.08 | 0.32 | 0.38 | 0.27 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 4.15 |
| 4 | 0.00 | 0.03 | 0.13 | 0.43 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 4.85 |
| 5 | 0.00 | 0.00 | 0.19 | 0.21 | 0.24 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 5.52 |
| 6 | 0.00 | 0.11 | 0.08 | 0.38 | 0.32 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 6.43 |
| 7 | 0.00 | 0.03 | 0.16 | 0.13 | 0.35 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 7.13 |
| 8 | 0.00 | 0.05 | 0.05 | 0.35 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 7.74 |
| 9 | 0.00 | 0.05 | 0.08 | 0.54 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 8.68 |
| 10 | 0.00 | 0.03 | 0.13 | 0.35 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 9.35 |
| 11 | 0.00 | 0.00 | 0.11 | 0.32 | 0.24 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 10.05 |
| 12 | 0.00 | 0.03 | 0.21 | 0.78 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 11.30 |
| 13 | 0.00 | 0.05 | 0.16 | 0.51 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 12.11 |
| 14 | 0.00 | 0.08 | 0.27 | 0.70 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 13.34 |
| 15 | 0.03 | 0.05 | 0.35 | 0.94 | 0.32 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 15.05 |
| 16 | 0.00 | 0.03 | 0.21 | 1.04 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 16.72 |
| 17 | 0.00 | 0.13 | 0.27 | 1.02 | 0.48 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.30 | 19.02 |
| 18 | 0.00 | 0.08 | 0.16 | 1.61 | 1.34 | 0.35 | 0.05 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 3.64 | 22.66 |
| 19 | 0.00 | 0.05 | 0.48 | 1.42 | 1.90 | 0.56 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 4.55 | 27.22 |
| 20 | 0.00 | 0.16 | 0.43 | 1.29 | 2.84 | 1.15 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 33.16 |
| 21 | 0.00 | 0.13 | 0.21 | 1.37 | 2.54 | 2.71 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.45 | 40.61 |
| 22 | 0.00 | 0.00 | 0.13 | 1.15 | 2.33 | 1.66 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.49 | 46.10 |
| 23 | 0.00 | 0.05 | 0.29 | 1.39 | 2.54 | 0.64 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 51.19 |
| 24 | 0.00 | 0.21 | 0.43 | 1.55 | 2.63 | 1.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.24 | 57.43 |
| 25 | 0.03 | 0.05 | 0.19 | 1.79 | 1.71 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 4.45 | 61.88 |
| 26 | 0.03 | 0.05 | 0.43 | 1.37 | 1.50 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.72 | 65.60 |
| 27 | 0.00 | 0.11 | 0.27 | 1.58 | 2.97 | 0.24 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 0.16 | 5.38 | 70.99 |
| 28 | 0.00 | 0.00 | 0.19 | 1.42 | 1.82 | 0.56 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 75.03 |
| 29 | 0.00 | 0.00 | 0.24 | 1.15 | 1.69 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.51 | 78.54 |
| 30 | 0.00 | 0.11 | 0.51 | 1.23 | 1.93 | 0.54 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 82.88 |
| 31 | 0.00 | 0.11 | 0.21 | 1.31 | 1.18 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.92 | 85.80 |
| 32 | 0.00 | 0.03 | 0.21 | 1.31 | 0.94 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63 | 88.43 |
| 33 | 0.03 | 0.08 | 0.24 | 1.23 | 1.29 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.05 | 91.48 |
| 34 | 0.00 | 0.03 | 0.27 | 0.86 | 1.18 | 0.19 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 94.03 |
| 35 | 0.00 | 0.03 | 0.27 | 1.21 | 1.02 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.65 | 96.68 |
| 36 | 0.03 | 0.05 | 0.24 | 0.83 | 1.15 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 99.01 |
| MISSING | 0.00 | 0.00 | 0.13 | 0.46 | 0.32 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 | 100.00 |
| TOTAL | 0.78 | 2.25 | 8.79 | 34.77 | 39.06 | 12.22 | 0.86 | 0.08 | 0.03 | 0.00 | 0.00 | 1.18 | 100.00 | |
| CUMUL TOTAL | 0.78 | 3.03 | 11.81 | 46.58 | 85.64 | 97.86 | 98.71 | 98.79 | 98.82 | 98.82 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 3733

| DIRECTION 36 POINTS | UNSTABLE CONDITIONS | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|---------------------|------------------|------|--------|-------|-------|-------|-------|-------|------|---------|-------|----------------|-------|
| | CALM | WIND SPEED (MPH) | | | | | | | | | | | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | |
| CALM | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.68 |
| 1 | 0.00 | 0.04 | 0.33 | 1.06 | 1.02 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 3.32 |
| 2 | 0.00 | 0.08 | 0.39 | 0.56 | 0.42 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 5.04 |
| 3 | 0.00 | 0.15 | 0.27 | 0.42 | 0.33 | 0.15 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 6.37 |
| 4 | 0.02 | 0.02 | 0.19 | 0.35 | 0.15 | 0.15 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 7.30 |
| 5 | 0.00 | 0.00 | 0.25 | 0.33 | 0.21 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 8.20 |
| 6 | 0.00 | 0.15 | 0.29 | 0.25 | 0.33 | 0.32 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 9.36 |
| 7 | 0.00 | 0.08 | 0.06 | 0.17 | 0.21 | 0.17 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 10.13 |
| 8 | 0.00 | 0.02 | 0.12 | 0.10 | 0.46 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 10.98 |
| 9 | 0.00 | 0.10 | 0.17 | 0.39 | 0.35 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 | 12.06 |
| 10 | 0.00 | 0.04 | 0.19 | 0.46 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.81 | 12.87 |
| 11 | 0.00 | 0.02 | 0.23 | 0.44 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 13.65 |
| 12 | 0.00 | 0.15 | 0.17 | 0.95 | 0.58 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 15.58 |
| 13 | 0.00 | 0.12 | 0.29 | 0.64 | 0.42 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 17.14 |
| 14 | 0.00 | 0.04 | 0.37 | 0.77 | 0.33 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 18.74 |
| 15 | 0.00 | 0.15 | 0.33 | 0.52 | 0.25 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 20.02 |
| 16 | 0.00 | 0.06 | 0.23 | 0.46 | 0.37 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 21.21 |
| 17 | 0.02 | 0.06 | 0.35 | 0.54 | 0.52 | 0.21 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 22.99 |
| 18 | 0.00 | 0.10 | 0.23 | 0.89 | 1.29 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 26.11 |
| 19 | 0.00 | 0.08 | 0.39 | 1.06 | 2.05 | 0.62 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.27 | 30.38 |
| 20 | 0.00 | 0.12 | 0.48 | 0.77 | 1.62 | 0.66 | 0.06 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 3.76 | 34.14 |
| 21 | 0.00 | 0.00 | 0.52 | 0.85 | 1.22 | 1.18 | 0.19 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 38.14 |
| 22 | 0.00 | 0.02 | 0.23 | 0.95 | 1.02 | 1.14 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 | 41.75 |
| 23 | 0.00 | 0.10 | 0.39 | 1.25 | 1.74 | 0.83 | 0.29 | 0.04 | 0.00 | 0.00 | 0.00 | 0.15 | 4.79 | 46.54 |
| 24 | 0.00 | 0.12 | 0.46 | 1.22 | 2.26 | 0.68 | 0.46 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 5.35 | 51.90 |
| 25 | 0.00 | 0.12 | 0.56 | 1.14 | 1.91 | 0.75 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.36 | 56.26 |
| 26 | 0.00 | 0.17 | 0.44 | 1.02 | 1.70 | 0.85 | 0.31 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 4.57 | 60.82 |
| 27 | 0.00 | 0.15 | 0.81 | 1.68 | 2.20 | 0.95 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 66.82 |
| 28 | 0.00 | 0.08 | 0.52 | 1.27 | 1.37 | 0.77 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.17 | 70.99 |
| 29 | 0.00 | 0.06 | 0.58 | 1.27 | 1.66 | 0.56 | 0.08 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 4.25 | 75.24 |
| 30 | 0.00 | 0.08 | 0.42 | 1.68 | 2.20 | 0.75 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.29 | 80.54 |
| 31 | 0.00 | 0.04 | 0.29 | 1.16 | 1.68 | 0.62 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 3.90 | 84.44 |
| 32 | 0.00 | 0.12 | 0.31 | 0.87 | 0.93 | 0.37 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 87.24 |
| 33 | 0.00 | 0.08 | 0.37 | 1.10 | 1.04 | 0.50 | 0.10 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 3.24 | 90.48 |
| 34 | 0.00 | 0.02 | 0.31 | 0.66 | 0.85 | 0.25 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 92.65 |
| 35 | 0.00 | 0.04 | 0.35 | 0.85</ | | | | | | | | | | |

Table 288. Joint Percentage Frequency Distribution of 150-foot Wind Speed (mph) and Wind Direction during Hours of No Precipitation and Stability as Indicated. July 1951-December 1964

| | | STABLE CONDITIONS | | | | | | | | | | | | | |
|------------------------|------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|----------------|--------|--------|
| DIRECTION 36 POINTS | CALM | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | | |
| CALM | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.70 |
| 1 | 0.01 | 0.07 | 0.31 | 0.88 | 0.49 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.78 | 2.48 |
| 2 | 0.01 | 0.07 | 0.30 | 0.93 | 0.50 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.85 | 4.33 |
| 3 | 0.00 | 0.07 | 0.35 | 1.31 | 0.85 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 6.97 |
| 4 | 0.00 | 0.06 | 0.26 | 1.00 | 0.58 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 8.91 |
| 5 | 0.00 | 0.06 | 0.30 | 1.03 | 0.36 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 10.68 |
| 6 | 0.00 | 0.08 | 0.37 | 1.23 | 0.43 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 12.80 |
| 7 | 0.01 | 0.07 | 0.32 | 1.12 | 0.31 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 14.64 |
| 8 | 0.01 | 0.06 | 0.35 | 1.24 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 16.64 |
| 9 | 0.01 | 0.10 | 0.43 | 1.71 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 19.20 |
| 10 | 0.01 | 0.08 | 0.39 | 1.18 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 21.06 |
| 11 | 0.01 | 0.06 | 0.41 | 0.96 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 22.68 |
| 12 | 0.01 | 0.09 | 0.53 | 1.32 | 0.26 | 0.01 | 0.00 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 24.90 |
| 13 | 0.01 | 0.09 | 0.38 | 1.14 | 0.20 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 26.77 |
| 14 | 0.01 | 0.07 | 0.44 | 1.18 | 0.26 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 28.76 |
| 15 | 0.01 | 0.09 | 0.54 | 1.64 | 0.38 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 31.47 |
| 16 | 0.01 | 0.11 | 0.45 | 1.21 | 0.31 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 33.67 |
| 17 | 0.01 | 0.10 | 0.49 | 1.31 | 0.50 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 36.20 |
| 18 | 0.01 | 0.09 | 0.59 | 1.93 | 1.11 | 0.22 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.03 | 40.23 |
| 19 | 0.01 | 0.10 | 0.55 | 2.25 | 1.40 | 0.28 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.66 | 44.89 |
| 20 | 0.01 | 0.09 | 0.50 | 2.19 | 1.88 | 0.53 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.28 | 50.17 |
| 21 | 0.01 | 0.10 | 0.50 | 2.26 | 2.73 | 1.01 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 56.93 |
| 22 | 0.01 | 0.07 | 0.36 | 1.41 | 1.96 | 0.68 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 4.56 | 61.49 |
| 23 | 0.00 | 0.06 | 0.33 | 1.49 | 1.40 | 0.33 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 3.68 | 65.16 |
| 24 | 0.00 | 0.08 | 0.43 | 1.73 | 1.46 | 0.35 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 4.12 | 69.29 |
| 25 | 0.01 | 0.05 | 0.36 | 1.24 | 0.97 | 0.18 | 0.34 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.88 | 72.17 |
| 26 | 0.00 | 0.06 | 0.26 | 1.09 | 1.02 | 0.20 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.70 | 74.87 |
| 27 | 0.00 | 0.06 | 0.30 | 1.20 | 1.49 | 0.29 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 3.46 | 78.33 |
| 28 | 0.00 | 0.03 | 0.24 | 0.91 | 1.08 | 0.17 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.50 | 80.82 |
| 29 | 0.00 | 0.05 | 0.22 | 0.97 | 1.15 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.63 | 83.46 |
| 30 | 0.01 | 0.05 | 0.33 | 1.14 | 1.40 | 0.26 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.22 | 86.68 |
| 31 | 0.01 | 0.06 | 0.26 | 0.96 | 0.96 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.37 | 89.04 |
| 32 | 0.01 | 0.06 | 0.28 | 0.89 | 0.76 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 91.14 |
| 33 | 0.01 | 0.07 | 0.32 | 0.99 | 0.88 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 2.39 | 93.54 |
| 34 | 0.01 | 0.06 | 0.25 | 0.78 | 0.65 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 1.84 | 95.38 |
| 35 | 0.00 | 0.07 | 0.26 | 0.93 | 0.70 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.01 | 97.40 |
| 36 | 0.00 | 0.06 | 0.24 | 0.97 | 0.66 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 99.38 |
| MISSING | 0.00 | 0.05 | 0.04 | 0.31 | 0.11 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.62 | 100.00 |
| TOTAL | 0.95 | 2.66 | 13.26 | 46.02 | 30.17 | 5.67 | 0.83 | 0.09 | 0.01 | 0.00 | 0.00 | 0.00 | 0.34 | 100.00 | |
| CUMUL TOTAL | 0.95 | 3.61 | 16.87 | 62.89 | 93.06 | 98.73 | 99.56 | 99.65 | 99.66 | 99.66 | 99.66 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 49677

| | | UNSTABLE CONDITIONS | | | | | | | | | | | | | |
|------------------------|------|---------------------|------|------|-------|-------|-------|-------|-------|------|---------|-------|----------------|------|-------|
| DIRECTION 36 POINTS | CALM | WIND SPEED (MPH) | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | | 1-3 | 4-7 | 8-12 | 13-18 | 19-24 | 25-31 | 32-38 | 39-46 | >46 | MISSING | | | | |
| CALM | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.47 |
| 1 | 0.00 | 0.06 | 0.36 | 0.89 | 0.63 | 0.15 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 2.58 |
| 2 | 0.00 | 0.08 | 0.45 | 0.97 | 0.57 | 0.25 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 4.96 |
| 3 | 0.01 | 0.14 | 0.55 | 1.21 | 1.06 | 0.35 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 8.34 |
| 4 | 0.00 | 0.08 | 0.41 | 0.88 | 0.77 | 0.24 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 10.76 |
| 5 | 0.01 | 0.07 | 0.32 | 0.75 | 0.66 | 0.20 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 12.80 |
| 6 | 0.00 | 0.11 | 0.39 | 1.03 | 0.94 | 0.24 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.78 | 15.58 |
| 7 | 0.00 | 0.08 | 0.28 | 1.02 | 0.63 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.27 | 17.85 |
| 8 | 0.00 | 0.06 | 0.32 | 0.84 | 0.53 | 0.18 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.98 | 19.84 |
| 9 | 0.01 | 0.09 | 0.46 | 0.96 | 0.38 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.01 | 21.84 |
| 10 | 0.00 | 0.09 | 0.38 | 0.55 | 0.25 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 23.12 |
| 11 | 0.00 | 0.09 | 0.37 | 0.53 | 0.22 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 24.38 |
| 12 | 0.01 | 0.09 | 0.41 | 0.62 | 0.29 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 25.87 |
| 13 | 0.00 | 0.12 | 0.43 | 0.50 | 0.23 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 27.19 |
| 14 | 0.01 | 0.13 | 0.44 | 0.63 | 0.27 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 28.72 |
| 15 | 0.00 | 0.19 | 0.65 | 0.89 | 0.39 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.24 | 30.96 |
| 16 | 0.00 | 0.13 | 0.49 | 0.71 | 0.35 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.81 | 32.77 |
| 17 | 0.00 | 0.07 | 0.46 | 0.75 | 0.54 | 0.19 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 34.86 |
| 18 | 0.01 | 0.09 | 0.41 | 0.93 | 0.50 | 0.35 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.82 | 37.68 |
| 19 | 0.00 | 0.08 | 0.47 | 1.27 | 1.30 | 0.42 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.66 | 41.34 |
| 20 | 0.00 | 0.11 | 0.53 | 1.10 | 1.18 | 0.52 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.57 | 44.91 |
| 21 | 0.01 | 0.13 | 0.64 | 1.42 | 1.55 | 0.91 | 0.19 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.87 | 49.78 |
| 22 | 0.01 | 0.09 | 0.50 | 1.20 | 1.16 | 0.57 | 0.17 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 3.74 | 53.52 |
| 23 | 0.01 | 0.12 | 0.48 | 1.15 | 1.22 | 0.47 | 0.17 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 3.71 | 57.22 |
| 24 | 0.01 | 0.14 | 0.53 | 1.32 | 1.29 | 0.58 | 0.29 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.04 | 4.34 | 61.56 |
| 25 | 0.01 | 0.11 | 0.46 | 1.09 | 0.97 | 0.47 | 0.20 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 3.43 | 64.99 |
| 26 | 0.01 | 0.12 | 0.49 | 1.07 | 1.10 | 0.52 | 0.28 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.02 | 3.72 | 68.72 |
| 27 | 0.00 | 0.13 | 0.57 | 1.30 | 1.27 | 0.76 | 0.34 | 0.06 | 0.01 | 0.00 | 0.00 | 0.00 | 0.05 | 4.50 | 73.22 |
| 28 | 0.01 | 0.09 | 0.44 | 0.87 | 0.98 | 0.51 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.11 | 76.33 |
| 29 | 0.00 | 0.10 | 0.42 | 0.93 | 1.01 | 0.51 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.13 | 79.46 |
| 30 | 0.00 | 0.09 | 0.51 | 1.15 | 1.18 | 0.52 | | | | | | | | | |

Table 289. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 150/19-foot Wind Speed Ratio

| 150/19 FOOT WIND SPEED RATIO | | JANUARY 1950-1964 | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|--|-------------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|--------|-------------|
| | | PRECIPITATION IN INCHES | | | | | | | | | | | |
| RATIO | | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| | | | -0.04 | -0.09 | -0.49 | -0.99 | -1.99 | -2.99 | -3.99 | | | | |
| <1.0 | | 1.36 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 1.73 |
| 1.0-1.2 | | 9.19 | 6.48 | 0.68 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.57 | 18.30 |
| 1.3-1.5 | | 24.47 | 19.43 | 2.33 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 47.89 | 66.19 |
| 1.6-1.8 | | 8.13 | 8.28 | 0.98 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.45 | 84.64 |
| 1.9-2.1 | | 2.79 | 2.11 | 0.60 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 90.44 |
| 2.2-2.4 | | 0.98 | 0.75 | 0.23 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 92.47 |
| 2.5-2.9 | | 1.05 | 0.30 | 0.15 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 94.05 |
| 3.0-3.9 | | 0.90 | 0.38 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 95.41 |
| ≥4.0 | | 1.05 | 0.30 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 96.84 |
| MISSING | | 1.58 | 1.36 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 100.00 |
| TOTAL | | 51.51 | 39.76 | 5.20 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 51.51 | 91.27 | 96.46 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |

NUMBER OF OBSERVATIONS = 1328

| 150/19 FOOT WIND SPEED RATIO | | FEBRUARY 1950-1964 | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|--|-------------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|--------|-------------|
| | | PRECIPITATION IN INCHES | | | | | | | | | | | |
| RATIO | | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| | | | -0.04 | -0.09 | -0.49 | -0.99 | -1.99 | -2.99 | -3.99 | | | | |
| <1.0 | | 1.16 | 1.34 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.04 | 3.04 |
| 1.0-1.2 | | 6.16 | 5.54 | 0.54 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.68 | 15.71 |
| 1.3-1.5 | | 22.59 | 22.95 | 3.13 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.80 | 66.52 |
| 1.6-1.8 | | 5.98 | 7.95 | 1.43 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.34 | 82.86 |
| 1.9-2.1 | | 1.43 | 1.88 | 0.27 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 | 86.61 |
| 2.2-2.4 | | 0.36 | 0.36 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 87.41 |
| 2.5-2.9 | | 0.89 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 88.93 |
| 3.0-3.9 | | 0.18 | 0.36 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 89.55 |
| ≥4.0 | | 0.27 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 90.45 |
| MISSING | | 3.21 | 5.54 | 0.71 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.55 | 100.00 |
| TOTAL | | 42.23 | 47.14 | 6.70 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 42.23 | 89.38 | 96.07 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |

NUMBER OF OBSERVATIONS = 1120

| 150/19 FOOT WIND SPEED RATIO | | MARCH 1950-1964 | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|--|-------------------------|-------|-------|-------|--------|--------|--------|--------|--------|---------|--------|-------------|
| | | PRECIPITATION IN INCHES | | | | | | | | | | | |
| RATIO | | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| | | | -0.04 | -0.09 | -0.49 | -0.99 | -1.99 | -2.99 | -3.99 | | | | |
| <1.0 | | 0.47 | 0.47 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 |
| 1.0-1.2 | | 8.78 | 6.49 | 1.15 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.82 | 17.84 |
| 1.3-1.5 | | 26.62 | 20.20 | 4.73 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 54.59 | 72.43 |
| 1.6-1.8 | | 6.82 | 7.64 | 1.96 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.11 | 90.54 |
| 1.9-2.1 | | 1.22 | 2.36 | 0.27 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.26 | 94.80 |
| 2.2-2.4 | | 0.68 | 0.81 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 96.35 |
| 2.5-2.9 | | 0.47 | 0.27 | 0.20 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 97.36 |
| 3.0-3.9 | | 0.34 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 | 98.11 |
| ≥4.0 | | 0.41 | 0.14 | 0.07 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 | 98.85 |
| MISSING | | 0.41 | 0.61 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 100.00 |
| TOTAL | | 46.22 | 39.39 | 8.51 | 5.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 46.22 | 85.61 | 94.12 | 99.93 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |

NUMBER OF OBSERVATIONS = 1480

| 150/19 FOOT WIND SPEED RATIO | | APRIL 1950-1964 | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|--|-------------------------|-------|-------|-------|-------|--------|--------|--------|--------|---------|--------|-------------|
| | | PRECIPITATION IN INCHES | | | | | | | | | | | |
| RATIO | | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| | | | -0.04 | -0.09 | -0.49 | -0.99 | -1.99 | -2.99 | -3.99 | | | | |
| <1.0 | | 0.99 | 0.49 | 0.42 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 2.05 |
| 1.0-1.2 | | 8.62 | 5.65 | 1.77 | 1.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.80 | 19.84 |
| 1.3-1.5 | | 18.29 | 18.08 | 4.03 | 5.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 45.83 | 65.68 |
| 1.6-1.8 | | 6.79 | 8.05 | 2.19 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.35 | 85.03 |
| 1.9-2.1 | | 1.91 | 2.26 | 0.85 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.79 | 90.82 |
| 2.2-2.4 | | 1.13 | 0.92 | 0.14 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 93.36 |
| 2.5-2.9 | | 0.35 | 1.06 | 0.07 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 95.06 |
| 3.0-3.9 | | 1.06 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 96.61 |
| ≥4.0 | | 0.71 | 0.56 | 0.21 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 98.31 |
| MISSING | | 0.85 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 100.00 |
| TOTAL | | 40.18 | 38.42 | 9.68 | 11.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 40.18 | 78.60 | 88.28 | 99.51 | 99.93 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |

NUMBER OF OBSERVATIONS = 1416

Table 290. Joint Percentage Frequency Distribution of Hourly
Precipitation Amounts in Inches and 150/19-foot Wind
Speed Ratio

| MAY | | 1950-1964 | | | | | | | | | | | |
|------------------------------------|-------|-------------------------|-------|-------|-------|--------|--------|--------|--------|---------|--------|--------|----------------|
| 150/19 FOOT WIND SPEED RATIO | TRACE | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | | |
| <1.0 | 0.41 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.03 |
| 1.0-1.2 | 5.13 | 5.44 | 1.13 | 1.13 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.04 | 14.07 |
| 1.3-1.5 | 15.30 | 14.48 | 5.13 | 6.37 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 41.38 | 55.44 |
| 1.6-1.8 | 8.01 | 9.55 | 3.49 | 3.70 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.85 | 80.29 |
| 1.9-2.1 | 2.67 | 3.70 | 0.62 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.52 | 86.81 |
| 2.2-2.4 | 0.92 | 2.05 | 0.21 | 0.72 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 92.81 |
| 2.5-2.9 | 0.92 | 0.82 | 0.21 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 94.87 |
| 3.0-3.9 | 0.41 | 0.92 | 0.31 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 97.23 |
| ≥4.0 | 0.31 | 0.51 | 0.31 | 0.21 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 98.67 |
| MISSING | 0.72 | 0.41 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 100.00 |
| TOTAL | 34.80 | 38.50 | 11.70 | 14.37 | 0.51 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 34.80 | 73.31 | 85.01 | 99.38 | 99.90 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |
| NUMBER OF OBSERVATIONS = 974 | | | | | | | | | | | | | |
| JUNE | | 1950-1964 | | | | | | | | | | | |
| 150/19 FOOT WIND SPEED RATIO | TRACE | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | | |
| <1.0 | 0.24 | 0.48 | 0.12 | 0.85 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 1.82 |
| 1.0-1.2 | 3.76 | 3.76 | 0.97 | 1.21 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.82 | 11.64 |
| 1.3-1.5 | 9.94 | 9.82 | 3.76 | 5.45 | 0.48 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 29.70 | 41.33 |
| 1.6-1.8 | 8.85 | 8.00 | 4.12 | 4.61 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.42 | 67.76 |
| 1.9-2.1 | 4.61 | 4.48 | 2.06 | 1.70 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.97 | 80.73 |
| 2.2-2.4 | 1.70 | 2.42 | 0.36 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.33 | 86.06 |
| 2.5-2.9 | 1.21 | 2.18 | 0.61 | 1.09 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 91.27 |
| 3.0-3.9 | 0.73 | 1.33 | 0.48 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 94.06 |
| ≥4.0 | 0.73 | 1.45 | 0.36 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 97.09 |
| MISSING | 1.33 | 0.85 | 0.36 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 | 100.00 |
| TOTAL | 33.09 | 34.79 | 13.21 | 16.85 | 1.82 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 33.09 | 67.88 | 81.09 | 97.94 | 99.76 | 99.88 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |
| NUMBER OF OBSERVATIONS = 825 | | | | | | | | | | | | | |
| JULY | | 1950-1964 | | | | | | | | | | | |
| 150/19 FOOT WIND SPEED RATIO | TRACE | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | | |
| <1.0 | 1.04 | 0.92 | 0.23 | 0.12 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 2.42 |
| 1.0-1.2 | 4.96 | 3.81 | 0.46 | 1.04 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.38 | 12.80 |
| 1.3-1.5 | 9.80 | 8.54 | 2.19 | 3.11 | 1.15 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.91 | 37.72 |
| 1.6-1.8 | 8.07 | 10.38 | 3.34 | 5.07 | 0.58 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.57 | 65.28 |
| 1.9-2.1 | 4.15 | 3.58 | 1.73 | 3.11 | 0.69 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.38 | 78.66 |
| 2.2-2.4 | 1.38 | 1.50 | 1.04 | 0.92 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 83.74 |
| 2.5-2.9 | 1.04 | 1.73 | 0.58 | 1.38 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.96 | 88.70 |
| 3.0-3.9 | 1.50 | 2.08 | 0.69 | 0.81 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 93.89 |
| ≥4.0 | 0.69 | 1.73 | 0.46 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 97.00 |
| MISSING | 1.04 | 1.73 | 0.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 100.00 |
| TOTAL | 33.68 | 35.64 | 10.73 | 16.38 | 3.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 33.68 | 69.32 | 80.05 | 96.42 | 99.42 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |
| NUMBER OF OBSERVATIONS = 867 | | | | | | | | | | | | | |
| AUGUST | | 1950-1964 | | | | | | | | | | | |
| 150/19 FOOT WIND SPEED RATIO | TRACE | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | | |
| <1.0 | 0.90 | 0.54 | 0.36 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 2.53 |
| 1.0-1.2 | 3.62 | 3.62 | 0.72 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.04 | 11.57 |
| 1.3-1.5 | 8.50 | 9.76 | 2.35 | 4.34 | 0.72 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.04 | 37.61 |
| 1.6-1.8 | 4.52 | 6.69 | 1.81 | 4.52 | 1.63 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.53 | 57.14 |
| 1.9-2.1 | 3.44 | 4.16 | 1.45 | 3.62 | 0.36 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.38 | 70.52 |
| 2.2-2.4 | 1.08 | 3.25 | 0.36 | 0.54 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.61 | 76.13 |
| 2.5-2.9 | 2.17 | 3.07 | 0.54 | 1.08 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.05 | 83.18 |
| 3.0-3.9 | 2.17 | 2.35 | 0.72 | 0.90 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 90.05 |
| ≥4.0 | 2.53 | 1.63 | 1.27 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.51 | 96.56 |
| MISSING | 1.45 | 1.08 | 0.00 | 0.54 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 100.00 |
| TOTAL | 30.38 | 36.17 | 9.58 | 18.99 | 3.62 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 30.38 | 66.55 | 76.13 | 95.12 | 98.73 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |
| NUMBER OF OBSERVATIONS = 553 | | | | | | | | | | | | | |

Table 291. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 150/19-foot Wind Speed Ratio

SEPTEMBER 1950-1964

| 150/19 FOOT WIND SPEED RATIO | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|-------------------------|-------|-------|-------|-------|--------|--------|--------|--------|---------|--------|-------------|
| | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| <1.0 | 0.34 | 0.34 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 1.01 |
| 1.0-1.2 | 2.68 | 1.17 | 0.34 | 0.84 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 6.21 |
| 1.3-1.5 | 11.58 | 11.24 | 2.85 | 6.88 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.39 | 39.60 |
| 1.6-1.8 | 7.38 | 10.23 | 2.52 | 6.88 | 0.34 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 27.52 | 67.11 |
| 1.9-2.1 | 2.85 | 4.87 | 2.35 | 2.52 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.92 | 80.03 |
| 2.2-2.4 | 1.17 | 1.34 | 0.84 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 84.23 |
| 2.5-2.9 | 1.68 | 2.18 | 0.34 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 88.93 |
| 3.0-3.9 | 1.51 | 1.01 | 0.84 | 0.67 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 93.12 |
| ≥4.0 | 0.17 | 2.85 | 0.67 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.36 | 97.48 |
| MISSING | 0.84 | 1.34 | 0.17 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.52 | 100.00 |
| TOTAL CUMUL | 30.20 | 36.58 | 11.24 | 19.97 | 1.85 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 30.20 | 66.78 | 78.02 | 97.99 | 99.83 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 596

OCTOBER 1950-1964

| 150/19 FOOT WIND SPEED RATIO | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|-------------------------|-------|-------|-------|-------|--------|--------|--------|--------|---------|--------|-------------|
| | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| <1.0 | 0.24 | 0.36 | 0.36 | 0.24 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 1.33 |
| 1.0-1.2 | 1.93 | 1.69 | 0.85 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.44 | 6.77 |
| 1.3-1.5 | 16.69 | 15.96 | 4.96 | 4.47 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 42.44 | 49.21 |
| 1.6-1.8 | 8.71 | 14.39 | 3.39 | 4.35 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 30.96 | 80.17 |
| 1.9-2.1 | 2.06 | 4.11 | 1.21 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.59 | 88.75 |
| 2.2-2.4 | 0.48 | 1.69 | 0.60 | 0.48 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 92.14 |
| 2.5-2.9 | 0.60 | 1.33 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 94.32 |
| 3.0-3.9 | 0.24 | 0.97 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 95.77 |
| ≥4.0 | 1.45 | 0.97 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 98.55 |
| MISSING | 0.48 | 0.60 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 100.00 |
| TOTAL CUMUL | 32.89 | 42.08 | 11.61 | 12.70 | 0.12 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 32.89 | 74.97 | 86.50 | 99.27 | 99.40 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 827

NOVEMBER 1950-1964

| 150/19 FOOT WIND SPEED RATIO | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|
| | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| <1.0 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 |
| 1.0-1.2 | 5.38 | 2.37 | 0.73 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.66 | 8.75 |
| 1.3-1.5 | 23.97 | 19.23 | 5.56 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 52.14 | 60.89 |
| 1.6-1.8 | 11.03 | 9.39 | 2.92 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.16 | 86.05 |
| 1.9-2.1 | 3.01 | 2.55 | 0.82 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.65 | 92.71 |
| 2.2-2.4 | 1.37 | 0.73 | 0.27 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 95.26 |
| 2.5-2.9 | 0.27 | 0.18 | 0.27 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 96.08 |
| 3.0-3.9 | 0.09 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 97.08 |
| ≥4.0 | 0.46 | 0.55 | 0.46 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 98.91 |
| MISSING | 0.55 | 0.36 | 0.09 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 100.00 |
| TOTAL CUMUL | 46.22 | 36.28 | 11.12 | 6.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 46.22 | 82.50 | 93.62 | 99.91 | 99.91 | 99.91 | 99.91 | 99.91 | 99.91 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1097

DECEMBER 1950-1964

| 150/19 FOOT WIND SPEED RATIO | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|-------------------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|--------|-------------|
| | TRACE | .01 | .05 | .10 | .50 | 1.00 | 2.00 | 3.00 | ≥4.00 | MISSING | | |
| <1.0 | 1.19 | 0.77 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 2.03 |
| 1.0-1.2 | 6.01 | 6.01 | 0.49 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.72 | 14.74 |
| 1.3-1.5 | 23.27 | 22.15 | 3.07 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.48 | 64.22 |
| 1.6-1.8 | 9.22 | 9.22 | 0.84 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.71 | 83.93 |
| 1.9-2.1 | 2.94 | 2.52 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.94 | 89.87 |
| 2.2-2.4 | 0.70 | 0.63 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54 | 91.40 |
| 2.5-2.9 | 0.77 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 93.01 |
| 3.0-3.9 | 0.49 | 0.77 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 94.41 |
| ≥4.0 | 0.84 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.38 | 96.79 |
| MISSING | 1.68 | 1.47 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.21 | 100.00 |
| TOTAL CUMUL | 47.10 | 45.91 | 5.24 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL | 47.10 | 93.01 | 98.25 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1431

Table 292. Joint Percentage Frequency Distribution of Hourly
Precipitation Amounts in Inches and 150/19-foot Wind
Speed Ratio

| | | ALL YEARS 1950-1964 | | | | | | | | | | | |
|------------------------------------|-------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|----------------|
| 150/19 FOOT WIND SPEED RATIO | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | |
| <1.0 | 0.75 | 0.57 | 0.19 | 0.13 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.66 |
| 1.0-1.2 | 6.11 | 4.75 | 0.86 | 0.74 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 | 14.16 |
| 1.3-1.5 | 19.15 | 17.16 | 3.75 | 3.60 | 0.20 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 43.95 | 58.11 |
| 1.6-1.8 | 7.83 | 9.01 | 2.26 | 2.67 | 0.21 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.02 | 80.13 |
| 1.9-2.1 | 2.61 | 2.96 | 0.92 | 1.00 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.59 | 87.72 |
| 2.2-2.4 | 0.96 | 1.19 | 0.30 | 0.34 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 90.56 |
| 2.5-2.9 | 0.84 | 1.01 | 0.22 | 0.30 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 92.96 |
| 3.0-3.9 | 0.70 | 0.86 | 0.22 | 0.22 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 95.00 |
| ≥4.0 | 0.74 | 0.92 | 0.22 | 0.26 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 97.15 |
| MISSING | 1.19 | 1.34 | 0.14 | 0.16 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 100.00 |
| TOTAL | 40.87 | 39.76 | 9.08 | 9.43 | 0.68 | 0.17 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 100.00 | |
| CUMUL TOTAL | 40.87 | 80.63 | 89.71 | 99.14 | 99.82 | 99.98 | 99.99 | 99.99 | 99.99 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 12514

Table 293. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| JANUARY | | 1950-1964 | | | | | | | | | | | |
|------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|--------|
| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.45 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 0.98 |
| 0-4 | 1.43 | 2.33 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.84 | 4.82 |
| 5-9 | 2.71 | 2.64 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.50 | 10.32 |
| 10-14 | 3.99 | 1.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.72 | 16.04 |
| 15-19 | 6.70 | 2.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.19 | 25.23 |
| 20-24 | 7.15 | 4.22 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.52 | 36.75 |
| 25-29 | 9.86 | 7.61 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.30 | 55.05 |
| 30-34 | 13.33 | 10.24 | 1.88 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.36 | 81.40 |
| 35-39 | 2.94 | 3.16 | 0.98 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.06 | 89.46 |
| 40-44 | 1.73 | 2.18 | 0.45 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.89 | 94.35 |
| 45-49 | 0.38 | 1.28 | 0.08 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.96 | 96.31 |
| 50-54 | 0.60 | 0.83 | 0.30 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 98.72 |
| 55-59 | 0.15 | 0.08 | 0.23 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 99.40 |
| 60-64 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 99.55 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.55 |
| MISSING | 0.08 | 0.30 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 100.00 |
| TOTAL | 51.51 | 39.76 | 5.20 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 51.51 | 91.27 | 96.46 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1328

| FEBRUARY | | 1950-1964 | | | | | | | | | | | |
|------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|--------|
| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.36 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 0.71 |
| 10-14 | 1.96 | 1.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.57 | 4.29 |
| 15-19 | 2.59 | 4.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.41 | 11.70 |
| 20-24 | 6.25 | 5.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.34 | 23.04 |
| 25-29 | 8.57 | 7.95 | 0.54 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.23 | 40.27 |
| 30-34 | 11.96 | 18.21 | 3.39 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.82 | 75.09 |
| 35-39 | 6.79 | 5.45 | 1.34 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.09 | 90.18 |
| 40-44 | 1.79 | 1.25 | 0.18 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.93 | 94.11 |
| 45-49 | 1.43 | 1.25 | 0.54 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.30 | 97.41 |
| 50-54 | 0.27 | 0.98 | 0.71 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 99.55 |
| 55-59 | 0.18 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 99.91 |
| 60-64 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 100.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 42.23 | 47.14 | 6.70 | 3.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 42.23 | 89.38 | 96.07 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1120

Table 294. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| | | MARCH 1950-1964 | | | | | | | | | | | |
|------------------|--|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| 5-9 | | 0.07 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.34 |
| 10-14 | | 0.88 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 1.55 |
| 15-19 | | 2.91 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.99 | 5.54 |
| 20-24 | | 3.99 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.82 | 12.36 |
| 25-29 | | 4.86 | 4.59 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.53 | 21.89 |
| 30-34 | | 17.09 | 15.47 | 3.04 | 1.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 37.16 | 59.05 |
| 35-39 | | 8.04 | 6.49 | 2.70 | 1.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.99 | 78.04 |
| 40-44 | | 3.72 | 3.04 | 1.08 | 0.74 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.65 | 86.69 |
| 45-49 | | 2.97 | 2.64 | 0.54 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.03 | 93.72 |
| 50-54 | | 0.95 | 1.96 | 0.61 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 97.84 |
| 55-59 | | 0.41 | 0.34 | 0.34 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 99.12 |
| 60-64 | | 0.00 | 0.27 | 0.14 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 99.59 |
| 65-69 | | 0.07 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 99.80 |
| 70-74 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| 75-79 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| 80-84 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| 85-89 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| ≥95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.80 |
| MISSING | | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 100.00 |
| TOTAL | | 46.22 | 39.39 | 8.51 | 5.81 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 46.22 | 85.61 | 94.12 | 99.93 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1480

| | | APRIL 1950-1964 | | | | | | | | | | | |
|------------------|--|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| 20-24 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
| 25-29 | | 0.42 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 2.68 |
| 30-34 | | 4.45 | 5.86 | 0.85 | 0.42 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.65 | 14.34 |
| 35-39 | | 9.11 | 5.79 | 1.48 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.29 | 32.63 |
| 40-44 | | 7.27 | 6.50 | 1.91 | 1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.66 | 50.28 |
| 45-49 | | 5.30 | 6.50 | 1.48 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.96 | 66.24 |
| 50-54 | | 4.45 | 4.38 | 1.13 | 1.27 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.37 | 77.61 |
| 55-59 | | 4.31 | 3.88 | 1.69 | 1.62 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.72 | 89.34 |
| 60-64 | | 3.32 | 2.40 | 0.85 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.70 | 97.03 |
| 65-69 | | 0.99 | 0.64 | 0.21 | 0.14 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 99.08 |
| 70-74 | | 0.56 | 0.07 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 99.79 |
| 75-79 | | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 99.86 |
| 80-84 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.86 |
| 85-89 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.86 |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.86 |
| ≥95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.86 |
| MISSING | | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 100.00 |
| TOTAL | | 40.18 | 38.42 | 9.68 | 11.23 | 0.42 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | | 40.18 | 78.60 | 88.28 | 99.51 | 99.93 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1416

Table 295. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

TABLE JOINT PERCENTAGE-FREQUENCY DISTRIBUTION OF AIR TEMPERATURE AND PRECIPITATION
MAY 1950-1964

| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|--------|
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 1.23 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 | 0.10 |
| 40-44 | 1.44 | 2.46 | 1.03 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.77 | 2.87 | 2.87 |
| 45-49 | 6.37 | 6.88 | 3.49 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.08 | 9.96 | 9.96 |
| 50-54 | 7.29 | 7.60 | 2.46 | 2.98 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.07 | 28.03 | 28.03 |
| 55-59 | 5.85 | 8.01 | 1.75 | 2.05 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.76 | 66.22 | 66.22 |
| 60-64 | 6.57 | 6.67 | 1.95 | 3.59 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.10 | 85.32 | 85.32 |
| 65-69 | 3.59 | 3.80 | 0.82 | 1.75 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 10.06 | 95.38 | 95.38 |
| 70-74 | 1.33 | 1.03 | 0.10 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 98.36 | 98.36 |
| 75-79 | 1.03 | 0.31 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 99.79 | 99.79 |
| 80-84 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 100.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| TOTAL | 34.80 | 38.50 | 11.70 | 14.37 | 0.51 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | | |
| CUMUL TOTAL | 34.80 | 73.31 | 85.01 | 99.38 | 99.90 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 974

JUNE 1950-1964

| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|--------|
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.61 | 0.61 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 3.15 | 3.27 | 1.82 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 1.58 | 1.58 |
| 55-59 | 4.61 | 6.55 | 1.33 | 3.39 | 0.12 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 10.06 | 11.64 | 11.64 |
| 60-64 | 9.21 | 10.06 | 3.64 | 4.24 | 0.61 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 16.24 | 27.88 | 27.88 |
| 65-69 | 6.79 | 7.39 | 3.39 | 5.45 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.76 | 55.64 | 55.64 |
| 70-74 | 4.85 | 4.85 | 2.18 | 1.09 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.52 | 79.15 | 79.15 |
| 75-79 | 2.67 | 1.70 | 0.48 | 0.36 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.45 | 92.61 | 92.61 |
| 80-84 | 0.73 | 0.24 | 0.36 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.33 | 97.94 | 97.94 |
| 85-89 | 0.48 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 99.39 | 99.39 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 100.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| TOTAL | 33.09 | 34.79 | 13.21 | 16.85 | 1.82 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 100.00 | | |
| CUMUL TOTAL | 33.09 | 67.88 | 81.09 | 97.94 | 99.76 | 99.88 | 100.00 | 100.00 | 100.00 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 825

Table 296. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| | | JULY 1950-1964 | | | | | | | | | | | |
|------------------|-------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | |
| ≤-16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- | -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- | -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- | -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 50-54 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.23 |
| | 55-59 | 1.96 | 2.42 | 0.81 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.77 | 6.00 |
| | 60-64 | 5.54 | 7.38 | 2.65 | 1.50 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.42 | 23.41 |
| | 65-69 | 11.65 | 13.61 | 4.15 | 9.00 | 1.50 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 40.25 | 63.67 |
| | 70-74 | 9.23 | 9.23 | 2.08 | 4.15 | 0.92 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 25.72 | 89.39 |
| | 75-79 | 3.58 | 2.19 | 1.04 | 0.69 | 0.12 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 7.73 | 97.12 |
| | 80-84 | 1.04 | 0.69 | 0.00 | 0.35 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 99.31 |
| | 85-89 | 0.35 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 99.77 |
| | 90-94 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 100.00 |
| | ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| | MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| | TOTAL | 33.68 | 35.64 | 10.73 | 16.38 | 3.00 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| | CUMUL TOTAL | 33.68 | 69.32 | 80.05 | 96.42 | 99.42 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 867

| | | AUGUST 1950-1964 | | | | | | | | | | | |
|------------------|-------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | |
| ≤-16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- | -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- | -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- | -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 50-54 | 0.90 | 0.90 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.17 |
| | 55-59 | 1.81 | 2.53 | 0.18 | 0.72 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.42 | 7.59 |
| | 60-64 | 3.07 | 6.15 | 1.08 | 2.89 | 0.36 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 13.74 | 21.34 |
| | 65-69 | 10.85 | 14.65 | 5.06 | 7.96 | 1.99 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 41.41 | 62.75 |
| | 70-74 | 7.78 | 7.78 | 2.89 | 5.97 | 0.90 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 25.50 | 88.25 |
| | 75-79 | 3.25 | 2.35 | 0.00 | 1.08 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.87 | 95.12 |
| | 80-84 | 2.17 | 0.90 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.25 | 98.37 |
| | 85-89 | 0.54 | 0.90 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 100.00 |
| | 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| | ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| | MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| | TOTAL | 30.38 | 36.17 | 9.58 | 18.99 | 3.62 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| | CUMUL TOTAL | 30.38 | 66.55 | 76.13 | 95.12 | 98.73 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 553

Table 297. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| SEPTEMBER 1950-1964 | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|---------------------|-------|-------------------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|--------|-------------|
| TEMPERATURE (°F) | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.50 | 1.51 | 0.34 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.85 | 2.85 | 2.85 |
| 50-54 | 1.51 | 4.19 | 0.50 | 1.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.05 | 10.91 | 10.91 |
| 55-59 | 4.53 | 8.39 | 3.86 | 6.21 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.49 | 34.40 | 34.40 |
| 60-64 | 11.07 | 10.91 | 3.02 | 4.19 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.03 | 64.43 | 64.43 |
| 65-69 | 8.39 | 7.38 | 2.68 | 5.87 | 0.50 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 89.43 | 89.43 |
| 70-74 | 3.02 | 3.02 | 0.84 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.05 | 97.48 | 97.48 |
| 75-79 | 0.84 | 1.17 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 99.66 | 99.66 |
| 80-84 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 100.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| TOTAL | 30.20 | 36.58 | 11.24 | 19.97 | 1.85 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | | |
| CUMUL TOTAL | 30.20 | 66.78 | 78.02 | 97.99 | 99.83 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 596

| OCTOBER 1950-1964 | | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL |
|-------------------|-------|-------------------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|--------|-------------|
| TEMPERATURE (°F) | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.24 | 1.57 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 1.93 | 1.93 |
| 35-39 | 2.18 | 3.14 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.17 | 8.10 | 8.10 |
| 40-44 | 3.39 | 4.96 | 0.73 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.67 | 17.78 | 17.78 |
| 45-49 | 10.88 | 9.31 | 1.93 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.22 | 40.99 | 40.99 |
| 50-54 | 3.99 | 7.13 | 1.69 | 2.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.87 | 55.86 | 55.86 |
| 55-59 | 5.56 | 7.13 | 3.51 | 3.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.19 | 76.06 | 76.06 |
| 60-64 | 3.75 | 5.08 | 2.06 | 3.02 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 14.03 | 90.08 | 90.08 |
| 65-69 | 1.93 | 3.02 | 0.60 | 1.93 | 0.12 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 7.98 | 98.07 | 98.07 |
| 70-74 | 0.97 | 0.60 | 0.12 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 99.88 | 99.88 |
| 75-79 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 100.00 | 100.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| TOTAL | 32.89 | 42.08 | 11.61 | 12.70 | 0.12 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | | |
| CUMUL TOTAL | 32.89 | 74.97 | 86.58 | 99.27 | 99.40 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | | |

NUMBER OF OBSERVATIONS = 827

Table 298. Joint Percentage Frequency Distribution of Hourly Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| NOVEMBER | | 1950-1964 | | | | | | | | | | | |
|---------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|----------------|--------|
| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 |
| 5-9 | 0.27 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.55 |
| 10-14 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.73 |
| 15-19 | 1.09 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 2.01 |
| 20-24 | 2.01 | 0.91 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 5.20 |
| 25-29 | 8.67 | 6.02 | 0.27 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.42 | 20.62 |
| 30-34 | 10.13 | 7.48 | 1.28 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.25 | 39.87 |
| 35-39 | 4.74 | 5.84 | 2.10 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.05 | 52.92 |
| 40-44 | 5.47 | 5.11 | 1.37 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.59 | 65.51 |
| 45-49 | 6.30 | 5.38 | 1.64 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.69 | 80.20 |
| 50-54 | 3.10 | 2.74 | 1.82 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.12 | 89.32 |
| 55-59 | 3.19 | 1.55 | 2.10 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.30 | 97.63 |
| 60-64 | 0.64 | 0.82 | 0.27 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 99.54 |
| 65-69 | 0.27 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 99.91 |
| 70-74 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 100.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 46.26 | 36.31 | 11.13 | 6.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 46.26 | 82.57 | 93.70 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1096

| DECEMBER | | 1950-1964 | | | | | | | | | | | |
|---------------------|-------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|----------------|--------|
| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| -10- -6 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.14 |
| -5- -1 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.63 |
| 0-4 | 0.35 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.68 |
| 5-9 | 0.91 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.94 | 4.61 |
| 10-14 | 1.68 | 2.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.47 | 9.08 |
| 15-19 | 2.73 | 3.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.22 | 15.30 |
| 20-24 | 6.08 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.53 | 26.83 |
| 25-29 | 9.36 | 9.22 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.78 | 46.61 |
| 30-34 | 14.95 | 10.55 | 1.33 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.39 | 74.00 |
| 35-39 | 5.87 | 5.24 | 0.70 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.16 | 86.16 |
| 40-44 | 2.38 | 3.07 | 1.26 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 | 93.01 |
| 45-49 | 1.19 | 1.26 | 0.14 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 95.88 |
| 50-54 | 1.26 | 1.33 | 0.35 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.14 | 99.02 |
| 55-59 | 0.35 | 0.07 | 0.28 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 99.93 |
| 60-64 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 100.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 47.10 | 45.91 | 5.24 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 47.10 | 93.01 | 98.25 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 1431

Table 299. Joint Percentage Frequency Distribution of Hourly
Precipitation Amounts in Inches and 5.5-foot Temperature (°F)

| | | ALL YEARS 1950-1964 | | | | | | | | | | | |
|---------------------|-------------------------|---------------------|-------------|-------------|-------------|---------------|---------------|---------------|--------|---------|--------|----------------|--------|
| TEMPERATURE (°F) | PRECIPITATION IN INCHES | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | TRACE | .01 -.04 | .05 -.09 | .10 -.49 | .50 -.99 | 1.00 -1.99 | 2.00 -2.99 | 3.00 -3.99 | ≥4.00 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| -10- -6 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 |
| -5- -1 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.18 |
| 0-4 | 0.21 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.72 |
| 5-9 | 0.46 | 0.58 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.77 |
| 10-14 | 0.91 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 3.37 |
| 15-19 | 1.69 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.94 | 6.31 |
| 20-24 | 2.66 | 1.94 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.64 | 10.96 |
| 25-29 | 4.27 | 3.89 | 0.30 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.52 | 19.48 |
| 30-34 | 7.62 | 7.18 | 1.23 | 0.54 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.58 | 36.06 |
| 35-39 | 4.23 | 3.68 | 1.03 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.68 | 45.74 |
| 40-44 | 2.69 | 2.76 | 0.80 | 0.71 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.97 | 52.71 |
| 45-49 | 3.08 | 3.17 | 0.86 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.94 | 60.64 |
| 50-54 | 2.28 | 2.81 | 0.96 | 1.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.11 | 67.75 |
| 55-59 | 2.45 | 2.85 | 1.17 | 1.40 | 0.07 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 7.96 | 75.71 |
| 60-64 | 2.85 | 3.22 | 1.04 | 1.34 | 0.14 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.62 | 84.33 |
| 65-69 | 2.69 | 3.02 | 0.99 | 1.89 | 0.26 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.96 | 93.29 |
| 70-74 | 1.69 | 1.57 | 0.47 | 0.73 | 0.14 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.62 | 97.91 |
| 75-79 | 0.69 | 0.46 | 0.11 | 0.13 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 99.33 |
| 80-84 | 0.24 | 0.11 | 0.02 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 99.75 |
| 85-89 | 0.08 | 0.06 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 99.90 |
| 90-94 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 99.91 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.91 |
| MISSING | 0.03 | 0.04 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 100.00 |
| TOTAL | 40.88 | 39.76 | 9.08 | 9.43 | 0.68 | 0.17 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| CUMUL TOTAL | 40.88 | 80.64 | 89.71 | 99.14 | 99.82 | 99.99 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | | |

NUMBER OF OBSERVATIONS = 12513

Section 2.4

Relationship between Wind Speed,
Wind Direction, and Relative Humidity

Tables 300 through 306. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19- and 150-foot Wind Direction. Monthly and Total Period (19-foot level). Total Period (150-foot level). January 1950-December 1964.

In all months there is a pronounced tendency for winds with a northeasterly component to be associated with higher humidity. Nevertheless, in most cases, the maximum percentage frequency occurs in the 91- to 100-percent grouping for all directions except those of the northwest quadrant.

Tables 307 and 308. Joint Percentage Frequency Distribution of 2-hour, 11-hour and 23-hour Range of 19- and 150-foot Wind Speed (mph) and of Relative Humidity in Percent. Total Period. January 1950-December 1964.

The modal values of the combinations of 2-hour range of 19- and 150-foot wind speed and 5-foot relative humidity lie in the 2.0- to 2.9-mph wind speed interval and the 0-4 percent relative humidity interval. For the 11-hour distribution, the relative humidity modal value lies in the 25- to 29-percent interval both for the 19- and 150-foot distribution; but the wind speed modes lie in the 6.0- to 6.9- and 8.0- to 8.9-mph intervals for the 19- and 150-foot levels respectively. Similarly for the 23-hour distribution the corresponding ranges are 40-49 percent, 9.0-9.9 and 10.0-11.9 mph.

Table 300. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

| 19-FOOT LEVEL JANUARY 1950-1964 | | | | | | | | | | | | | |
|---------------------------------|------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------|---------|----------------|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.009 | 0.036 | 0.063 | 0.099 | 0.188 | 0.412 | 0.753 | 0.000 | 1.559 | 1.559 |
| 1 | 0.000 | 0.000 | 0.000 | 0.045 | 0.036 | 0.045 | 0.161 | 0.421 | 0.565 | 1.228 | 0.000 | 2.500 | 4.059 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.045 | 0.143 | 0.179 | 0.341 | 0.806 | 0.000 | 1.514 | 5.573 |
| 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.108 | 0.125 | 0.242 | 0.502 | 1.084 | 0.018 | 2.088 | 7.661 |
| 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.063 | 0.152 | 0.197 | 0.349 | 0.815 | 0.045 | 1.631 | 9.292 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.081 | 0.081 | 0.170 | 0.287 | 0.708 | 0.045 | 1.371 | 10.663 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.072 | 0.251 | 0.197 | 0.466 | 0.860 | 0.000 | 1.864 | 12.527 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.018 | 0.099 | 0.170 | 0.251 | 0.484 | 0.000 | 1.030 | 13.557 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.090 | 0.143 | 0.224 | 0.349 | 0.000 | 0.842 | 14.400 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.072 | 0.108 | 0.125 | 0.287 | 0.484 | 0.000 | 1.075 | 15.475 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.054 | 0.045 | 0.224 | 0.251 | 0.341 | 0.000 | 0.923 | 16.398 |
| 11 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.090 | 0.090 | 0.242 | 0.161 | 0.511 | 0.000 | 1.039 | 17.437 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.125 | 0.394 | 0.403 | 0.618 | 0.000 | 1.604 | 19.041 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.108 | 0.179 | 0.394 | 0.305 | 0.466 | 0.000 | 1.461 | 20.502 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.036 | 0.296 | 0.341 | 0.421 | 0.591 | 0.009 | 1.711 | 22.213 |
| 15 | 0.000 | 0.000 | 0.000 | 0.009 | 0.036 | 0.188 | 0.233 | 0.341 | 0.547 | 0.627 | 0.000 | 1.980 | 24.194 |
| 16 | 0.000 | 0.000 | 0.000 | 0.009 | 0.009 | 0.125 | 0.215 | 0.224 | 0.394 | 0.457 | 0.000 | 1.434 | 25.627 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.072 | 0.116 | 0.260 | 0.600 | 0.511 | 0.573 | 0.000 | 2.133 | 27.760 |
| 18 | 0.000 | 0.000 | 0.000 | 0.027 | 0.072 | 0.206 | 0.565 | 0.556 | 0.538 | 0.878 | 0.009 | 2.849 | 30.609 |
| 19 | 0.000 | 0.000 | 0.000 | 0.009 | 0.072 | 0.170 | 0.582 | 0.681 | 0.430 | 1.326 | 0.000 | 3.271 | 33.880 |
| 20 | 0.000 | 0.000 | 0.000 | 0.000 | 0.152 | 0.251 | 0.349 | 0.824 | 0.609 | 1.299 | 0.009 | 3.495 | 37.375 |
| 21 | 0.000 | 0.000 | 0.000 | 0.045 | 0.170 | 0.305 | 0.824 | 0.797 | 0.950 | 1.425 | 0.009 | 4.525 | 41.900 |
| 22 | 0.000 | 0.000 | 0.000 | 0.009 | 0.143 | 0.170 | 0.609 | 0.609 | 0.833 | 1.649 | 0.009 | 4.032 | 45.932 |
| 23 | 0.000 | 0.000 | 0.000 | 0.009 | 0.054 | 0.296 | 0.376 | 0.618 | 0.995 | 1.389 | 0.009 | 3.746 | 49.677 |
| 24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.027 | 0.215 | 0.565 | 0.663 | 1.084 | 1.550 | 0.000 | 4.104 | 53.781 |
| 25 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.278 | 0.484 | 1.147 | 1.210 | 1.461 | 0.000 | 4.597 | 58.378 |
| 26 | 0.000 | 0.000 | 0.000 | 0.009 | 0.045 | 0.403 | 0.475 | 1.192 | 1.246 | 1.532 | 0.018 | 4.919 | 63.297 |
| 27 | 0.000 | 0.000 | 0.000 | 0.018 | 0.108 | 0.493 | 0.735 | 1.326 | 1.532 | 1.443 | 0.036 | 5.690 | 68.987 |
| 28 | 0.000 | 0.000 | 0.000 | 0.018 | 0.036 | 0.260 | 0.672 | 0.860 | 0.968 | 0.860 | 0.027 | 3.701 | 72.688 |
| 29 | 0.000 | 0.000 | 0.000 | 0.018 | 0.045 | 0.287 | 0.529 | 0.869 | 0.806 | 0.771 | 0.018 | 3.342 | 76.030 |
| 30 | 0.000 | 0.000 | 0.000 | 0.000 | 0.108 | 0.394 | 0.932 | 0.878 | 0.860 | 0.672 | 0.000 | 3.844 | 79.875 |
| 31 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.260 | 0.681 | 0.681 | 0.681 | 0.627 | 0.000 | 2.733 | 82.608 |
| 32 | 0.000 | 0.000 | 0.000 | 0.009 | 0.036 | 0.197 | 0.717 | 0.627 | 0.627 | 0.430 | 0.018 | 2.697 | 85.305 |
| 33 | 0.000 | 0.000 | 0.000 | 0.018 | 0.081 | 0.349 | 1.138 | 1.263 | 0.887 | 0.780 | 0.000 | 4.543 | 89.848 |
| 34 | 0.000 | 0.000 | 0.000 | 0.018 | 0.161 | 0.260 | 0.672 | 0.753 | 0.726 | 0.547 | 0.000 | 3.136 | 92.984 |
| 35 | 0.000 | 0.000 | 0.000 | 0.027 | 0.108 | 0.179 | 0.430 | 0.618 | 0.699 | 0.815 | 0.000 | 2.876 | 95.860 |
| 36 | 0.000 | 0.000 | 0.000 | 0.018 | 0.081 | 0.090 | 0.314 | 0.556 | 0.869 | 1.246 | 0.018 | 3.190 | 99.050 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.027 | 0.009 | 0.081 | 0.090 | 0.125 | 0.296 | 0.314 | 0.009 | 0.950 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.000 | 0.027 | 0.349 | 1.828 | 6.470 | 14.489 | 20.439 | 23.468 | 32.625 | 0.305 | 100.000 | |

NUMBER OF OBSERVATIONS = 11160

| 19-FOOT LEVEL FEBRUARY 1950-1964 | | | | | | | | | | | | | |
|----------------------------------|------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------|---------|----------------|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.000 | 0.020 | 0.029 | 0.010 | 0.079 | 0.226 | 0.717 | 0.039 | 1.120 | 1.120 |
| 1 | 0.000 | 0.000 | 0.000 | 0.010 | 0.079 | 0.088 | 0.167 | 0.442 | 0.609 | 1.248 | 0.039 | 2.683 | 3.803 |
| 2 | 0.000 | 0.000 | 0.010 | 0.000 | 0.039 | 0.147 | 0.256 | 0.305 | 0.501 | 1.169 | 0.010 | 2.437 | 6.240 |
| 3 | 0.000 | 0.000 | 0.000 | 0.010 | 0.049 | 0.069 | 0.305 | 0.501 | 0.708 | 1.160 | 0.010 | 2.811 | 9.051 |
| 4 | 0.000 | 0.000 | 0.000 | 0.020 | 0.010 | 0.098 | 0.197 | 0.324 | 0.423 | 0.825 | 0.010 | 1.906 | 10.957 |
| 5 | 0.000 | 0.000 | 0.000 | 0.000 | 0.029 | 0.059 | 0.138 | 0.314 | 0.482 | 0.786 | 0.029 | 1.916 | 12.873 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.069 | 0.138 | 0.324 | 0.472 | 0.560 | 0.825 | 0.020 | 2.408 | 15.281 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.128 | 0.246 | 0.216 | 0.590 | 0.540 | 0.904 | 0.020 | 2.643 | 17.925 |
| 8 | 0.000 | 0.000 | 0.000 | 0.010 | 0.108 | 0.265 | 0.501 | 0.423 | 0.501 | 0.708 | 0.000 | 2.015 | 19.939 |
| 9 | 0.000 | 0.000 | 0.000 | 0.010 | 0.010 | 0.088 | 0.128 | 0.550 | 0.501 | 0.678 | 0.010 | 1.975 | 21.914 |
| 10 | 0.000 | 0.000 | 0.000 | 0.020 | 0.020 | 0.059 | 0.138 | 0.226 | 0.334 | 0.580 | 0.020 | 1.395 | 23.310 |
| 11 | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.088 | 0.206 | 0.305 | 0.334 | 0.521 | 0.020 | 1.484 | 24.794 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.020 | 0.108 | 0.236 | 0.403 | 0.314 | 0.531 | 0.010 | 1.621 | 26.415 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.020 | 0.098 | 0.187 | 0.236 | 0.491 | 0.501 | 0.010 | 1.543 | 27.958 |
| 14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.039 | 0.088 | 0.177 | 0.177 | 0.285 | 0.501 | 0.000 | 1.268 | 29.226 |
| 15 | 0.000 | 0.000 | 0.020 | 0.020 | 0.138 | 0.226 | 0.344 | 0.364 | 0.442 | 0.767 | 0.000 | 2.319 | 31.545 |
| 16 | 0.000 | 0.000 | 0.000 | 0.010 | 0.098 | 0.167 | 0.256 | 0.236 | 0.324 | 0.472 | 0.010 | 1.572 | 33.117 |
| 17 | 0.000 | 0.000 | 0.000 | 0.020 | 0.049 | 0.197 | 0.314 | 0.364 | 0.403 | 0.619 | 0.000 | 1.965 | 35.083 |
| 18 | 0.000 | 0.000 | 0.010 | 0.029 | 0.039 | 0.246 | 0.452 | 0.491 | 0.491 | 0.550 | 0.000 | 2.309 | 37.392 |
| 19 | 0.000 | 0.000 | 0.000 | 0.020 | 0.079 | 0.314 | 0.472 | 0.599 | 0.442 | 0.629 | 0.010 | 2.565 | 39.957 |
| 20 | 0.000 | 0.000 | 0.000 | 0.020 | 0.147 | 0.256 | 0.324 | 0.540 | 0.757 | 0.806 | 0.010 | 2.860 | 42.816 |
| 21 | 0.000 | 0.000 | 0.000 | 0.029 | 0.177 | 0.354 | 0.560 | 0.776 | 1.110 | 1.012 | 0.010 | 4.029 | 46.846 |
| 22 | 0.000 | 0.000 | 0.000 | 0.039 | 0.079 | 0.344 | 0.580 | 0.678 | 0.590 | 0.914 | 0.000 | 3.223 | 50.069 |
| 23 | 0.000 | 0.000 | 0.000 | 0.010 | 0.049 | 0.295 | 0.275 | 0.599 | 0.580 | 1.012 | 0.000 | 2.820 | 52.889 |
| 24 | 0.000 | 0.000 | 0.000 | 0.010 | 0.069 | 0.383 | 0.619 | 0.521 | 0.570 | 1.101 | 0.010 | 3.282 | 56.171 |
| 25 | 0.000 | 0.000 | 0.000 | 0.010 | 0.039 | 0.324 | 0.560 | 0.452 | 0.845 | 0.963 | 0.020 | 3.213 | 59.385 |
| 26 | 0.000 | 0.000 | 0.000 | 0.000 | 0.079 | 0.354 | 0.599 | 0.943 | 1.219 | 1.189 | 0.020 | 4.403 | 63.787 |
| 27 | 0.000 | 0.000 | 0.000 | 0.039 | 0.147 | 0.452 | 0.865 | 1.130 | 1.278 | 1.160 | 0.010 | 5.081 | 68.868 |
| 28 | 0.000 | 0.000 | 0.000 | 0.049 | 0.108 | 0.275 | 0.884 | 0.894 | 0.914 | 0.747 | 0.049 | 3.921 | 72.789 |
| 29 | 0.000 | 0.000 | 0.000 | 0.039 | 0.098 | 0.334 | 0.776 | 1.022 | 0.904 | 0.403 | 0.010 | 3.587 | 76.376 |
| 30 | 0.000 | 0.000 | 0.010 | 0.098 | 0.275 | 0.560 | 1.012 | 1.022 | 0.924 | 0.658 | 0.000 | 4.560 | 80.936 |
| 31 | 0.000 | 0.000 | 0.000 | 0.029 | 0.157 | 0.462 | 0.619 | 0.737 | 0.531 | 0.560 | 0.020 | 3.115 | 84.051 |
| 32 | 0.000 | 0.000 | 0.000 | 0.020 | 0.138 | 0.413 | 0.678 | 0.698 | 0.472 | 0.599 | 0.020 | 3.037 | 87.087 |
| 33 | 0.000 | 0.000 | 0.000 | 0.000 | 0.108 | 0.462 | 0.649 | 0.914 | 0.717 | 0.835 | 0.029 | 3.715 | 90.802 |
| 34 | 0.000 | 0.000 | 0.000 | 0.000 | 0.088 | 0.364 | 0.432 | 0.658 | 0.570 | 0.688 | 0.069 | 2.869 | 93.671 |
| 35 | 0.000 | 0.000 | 0.000 | 0.000 | 0.128 | 0.216 | 0.511 | 0.521 | 0.442 | 0.924 | 0.029 | 2.771 | 96.443 |
| 36 | 0.000 | 0.000 | 0.000 | 0.000 | 0.088 | 0.128 | 0.354 | 0.491 | 0.717 | 1.032 | 0.010 | 2.820 | 99.263 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.020 | 0.059 | 0.069 | 0.049 | 0.020 | 0.020 | 0.501 | 0.000 | 0.737 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.000 | 0.049 | 0.590 | 2.978 | 8.707 | 15.212 | 20.096 | 21.993 | 29.796 | 0.580 | 100.000 | |

NUMBER OF OBSERVATIONS = 10176

Table 301. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

| 19-FOOT LEVEL | | MARCH 1950-1964 | | | | | | | | | | | | |
|------------------------|------------------------------|-----------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|--|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.000 | 0.050 | 0.072 | 0.072 | 0.125 | 0.224 | 0.538 | 0.027 | 1.147 | 1.147 | |
| 1 | 0.000 | 0.009 | 0.018 | 0.045 | 0.108 | 0.170 | 0.349 | 0.609 | 0.627 | 0.968 | 0.000 | 2.903 | 4.050 | |
| 2 | 0.000 | 0.000 | 0.000 | 0.018 | 0.108 | 0.206 | 0.358 | 0.394 | 0.663 | 1.174 | 0.009 | 2.930 | 6.980 | |
| 3 | 0.000 | 0.000 | 0.009 | 0.116 | 0.152 | 0.412 | 0.493 | 0.753 | 0.645 | 1.577 | 0.018 | 4.176 | 11.156 | |
| 4 | 0.000 | 0.000 | 0.018 | 0.054 | 0.125 | 0.260 | 0.296 | 0.349 | 0.591 | 0.905 | 0.000 | 2.599 | 13.754 | |
| 5 | 0.000 | 0.000 | 0.009 | 0.125 | 0.233 | 0.188 | 0.448 | 0.367 | 0.385 | 0.941 | 0.000 | 2.697 | 16.452 | |
| 6 | 0.000 | 0.000 | 0.018 | 0.170 | 0.296 | 0.511 | 0.439 | 0.475 | 0.717 | 1.308 | 0.000 | 3.934 | 20.385 | |
| 7 | 0.000 | 0.000 | 0.027 | 0.090 | 0.305 | 0.538 | 0.376 | 0.511 | 0.511 | 1.057 | 0.000 | 3.414 | 23.799 | |
| 8 | 0.000 | 0.000 | 0.000 | 0.090 | 0.251 | 0.556 | 0.672 | 0.502 | 0.520 | 0.672 | 0.000 | 3.262 | 27.061 | |
| 9 | 0.000 | 0.000 | 0.018 | 0.018 | 0.179 | 0.385 | 0.582 | 0.412 | 0.376 | 0.636 | 0.000 | 2.628 | 29.688 | |
| 10 | 0.000 | 0.009 | 0.018 | 0.063 | 0.224 | 0.188 | 0.269 | 0.197 | 0.233 | 0.627 | 0.000 | 1.828 | 31.496 | |
| 11 | 0.000 | 0.000 | 0.027 | 0.054 | 0.161 | 0.170 | 0.269 | 0.134 | 0.188 | 0.538 | 0.000 | 1.541 | 33.038 | |
| 12 | 0.000 | 0.000 | 0.009 | 0.018 | 0.134 | 0.170 | 0.242 | 0.233 | 0.215 | 0.654 | 0.000 | 1.676 | 34.713 | |
| 13 | 0.000 | 0.000 | 0.000 | 0.009 | 0.081 | 0.170 | 0.152 | 0.269 | 0.152 | 0.636 | 0.000 | 1.470 | 36.183 | |
| 14 | 0.000 | 0.000 | 0.009 | 0.036 | 0.099 | 0.161 | 0.134 | 0.134 | 0.197 | 0.457 | 0.009 | 1.237 | 37.419 | |
| 15 | 0.000 | 0.000 | 0.009 | 0.081 | 0.278 | 0.161 | 0.376 | 0.170 | 0.224 | 0.547 | 0.000 | 1.846 | 39.265 | |
| 16 | 0.000 | 0.000 | 0.018 | 0.090 | 0.242 | 0.152 | 0.116 | 0.224 | 0.116 | 0.520 | 0.000 | 1.478 | 40.744 | |
| 17 | 0.000 | 0.000 | 0.009 | 0.108 | 0.260 | 0.323 | 0.251 | 0.278 | 0.215 | 0.484 | 0.018 | 1.861 | 42.608 | |
| 18 | 0.000 | 0.000 | 0.009 | 0.090 | 0.188 | 0.358 | 0.358 | 0.493 | 0.206 | 0.618 | 0.000 | 2.321 | 45.009 | |
| 19 | 0.000 | 0.000 | 0.009 | 0.099 | 0.215 | 0.314 | 0.385 | 0.430 | 0.305 | 0.654 | 0.000 | 2.410 | 47.419 | |
| 20 | 0.000 | 0.000 | 0.009 | 0.063 | 0.152 | 0.269 | 0.358 | 0.269 | 0.305 | 0.556 | 0.000 | 1.980 | 49.400 | |
| 21 | 0.000 | 0.000 | 0.018 | 0.197 | 0.341 | 0.242 | 0.573 | 0.565 | 0.367 | 0.582 | 0.000 | 2.885 | 52.285 | |
| 22 | 0.000 | 0.000 | 0.054 | 0.188 | 0.278 | 0.260 | 0.358 | 0.403 | 0.287 | 0.717 | 0.000 | 2.545 | 54.830 | |
| 23 | 0.000 | 0.000 | 0.018 | 0.116 | 0.143 | 0.134 | 0.385 | 0.260 | 0.278 | 0.565 | 0.000 | 1.861 | 56.631 | |
| 24 | 0.000 | 0.000 | 0.018 | 0.134 | 0.251 | 0.287 | 0.582 | 0.421 | 0.475 | 0.923 | 0.000 | 3.091 | 59.722 | |
| 25 | 0.000 | 0.000 | 0.000 | 0.036 | 0.242 | 0.296 | 0.520 | 0.681 | 0.636 | 0.842 | 0.018 | 3.271 | 62.993 | |
| 26 | 0.000 | 0.000 | 0.000 | 0.108 | 0.242 | 0.403 | 0.609 | 0.672 | 0.645 | 1.443 | 0.000 | 4.122 | 67.115 | |
| 27 | 0.000 | 0.000 | 0.009 | 0.045 | 0.296 | 0.582 | 0.753 | 0.905 | 1.246 | 1.380 | 0.063 | 5.278 | 72.392 | |
| 28 | 0.000 | 0.000 | 0.027 | 0.108 | 0.215 | 0.367 | 0.529 | 0.538 | 0.520 | 0.896 | 0.000 | 3.199 | 75.591 | |
| 29 | 0.000 | 0.000 | 0.018 | 0.081 | 0.305 | 0.475 | 0.493 | 0.573 | 0.582 | 0.735 | 0.018 | 3.280 | 78.871 | |
| 30 | 0.000 | 0.000 | 0.000 | 0.134 | 0.376 | 0.547 | 0.851 | 0.995 | 0.582 | 0.627 | 0.000 | 4.113 | 82.984 | |
| 31 | 0.000 | 0.009 | 0.000 | 0.027 | 0.358 | 0.448 | 0.681 | 0.609 | 0.439 | 0.475 | 0.000 | 3.047 | 86.030 | |
| 32 | 0.000 | 0.009 | 0.009 | 0.045 | 0.134 | 0.296 | 0.591 | 0.493 | 0.439 | 0.511 | 0.000 | 2.527 | 88.557 | |
| 33 | 0.000 | 0.000 | 0.018 | 0.116 | 0.242 | 0.421 | 0.573 | 0.654 | 0.618 | 0.789 | 0.009 | 3.441 | 91.998 | |
| 34 | 0.000 | 0.000 | 0.009 | 0.045 | 0.233 | 0.314 | 0.493 | 0.448 | 0.358 | 0.636 | 0.027 | 2.563 | 94.561 | |
| 35 | 0.000 | 0.000 | 0.018 | 0.063 | 0.179 | 0.260 | 0.475 | 0.367 | 0.475 | 0.466 | 0.045 | 2.348 | 96.909 | |
| 36 | 0.000 | 0.000 | 0.000 | 0.036 | 0.099 | 0.161 | 0.394 | 0.403 | 0.627 | 0.914 | 0.018 | 2.652 | 99.561 | |
| MISSING | 0.000 | 0.000 | 0.000 | 0.099 | 0.108 | 0.090 | 0.054 | 0.009 | 0.018 | 0.063 | 0.000 | 0.439 | 100.000 | |
| TOTAL | 0.000 | 0.036 | 0.457 | 3.011 | 7.921 | 11.317 | 15.914 | 16.326 | 16.111 | 28.629 | 0.278 | 100.000 | | |
| CUMUL TOTAL | 0.000 | 0.036 | 0.493 | 3.504 | 11.425 | 22.742 | 38.656 | 54.982 | 71.093 | 99.722 | 100.000 | | | |

NUMBER OF OBSERVATIONS = 11160

| 19-FOOT LEVEL | | APRIL 1950-1964 | | | | | | | | | | | | |
|------------------------|------------------------------|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|--|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | | |
| CALM | 0.000 | 0.000 | 0.009 | 0.037 | 0.065 | 0.111 | 0.167 | 0.222 | 0.139 | 0.269 | 0.037 | 1.056 | 1.056 | |
| 1 | 0.000 | 0.000 | 0.009 | 0.120 | 0.194 | 0.222 | 0.315 | 0.213 | 0.259 | 0.676 | 0.009 | 2.019 | 3.074 | |
| 2 | 0.000 | 0.000 | 0.102 | 0.148 | 0.157 | 0.287 | 0.324 | 0.204 | 0.306 | 0.685 | 0.028 | 2.241 | 5.315 | |
| 3 | 0.000 | 0.009 | 0.111 | 0.259 | 0.352 | 0.611 | 0.556 | 0.472 | 0.472 | 0.917 | 0.019 | 3.778 | 9.093 | |
| 4 | 0.000 | 0.028 | 0.028 | 0.120 | 0.296 | 0.278 | 0.444 | 0.370 | 0.352 | 0.972 | 0.037 | 2.926 | 12.019 | |
| 5 | 0.000 | 0.019 | 0.037 | 0.148 | 0.296 | 0.361 | 0.398 | 0.352 | 0.380 | 0.713 | 0.009 | 2.713 | 14.731 | |
| 6 | 0.000 | 0.019 | 0.102 | 0.194 | 0.389 | 0.500 | 0.593 | 0.713 | 0.611 | 0.972 | 0.009 | 4.102 | 18.833 | |
| 7 | 0.000 | 0.028 | 0.056 | 0.148 | 0.333 | 0.491 | 0.519 | 0.426 | 0.528 | 0.778 | 0.000 | 3.306 | 22.139 | |
| 8 | 0.000 | 0.009 | 0.074 | 0.250 | 0.315 | 0.315 | 0.426 | 0.426 | 0.306 | 0.731 | 0.000 | 2.852 | 24.991 | |
| 9 | 0.000 | 0.000 | 0.028 | 0.130 | 0.296 | 0.481 | 0.380 | 0.333 | 0.306 | 0.880 | 0.000 | 2.833 | 27.824 | |
| 10 | 0.000 | 0.000 | 0.019 | 0.139 | 0.157 | 0.204 | 0.296 | 0.287 | 0.259 | 0.574 | 0.009 | 1.944 | 29.769 | |
| 11 | 0.000 | 0.000 | 0.037 | 0.102 | 0.167 | 0.185 | 0.204 | 0.231 | 0.259 | 0.583 | 0.019 | 1.787 | 31.556 | |
| 12 | 0.000 | 0.000 | 0.009 | 0.074 | 0.167 | 0.231 | 0.278 | 0.204 | 0.398 | 0.509 | 0.019 | 1.889 | 33.444 | |
| 13 | 0.000 | 0.000 | 0.019 | 0.083 | 0.148 | 0.167 | 0.269 | 0.167 | 0.194 | 0.398 | 0.000 | 1.444 | 34.889 | |
| 14 | 0.000 | 0.000 | 0.037 | 0.120 | 0.176 | 0.231 | 0.287 | 0.231 | 0.204 | 0.426 | 0.000 | 1.713 | 36.602 | |
| 15 | 0.000 | 0.000 | 0.046 | 0.102 | 0.324 | 0.259 | 0.352 | 0.315 | 0.370 | 0.556 | 0.009 | 2.333 | 38.935 | |
| 16 | 0.000 | 0.000 | 0.009 | 0.111 | 0.231 | 0.259 | 0.269 | 0.250 | 0.278 | 0.472 | 0.019 | 1.898 | 40.833 | |
| 17 | 0.000 | 0.000 | 0.019 | 0.111 | 0.306 | 0.315 | 0.306 | 0.278 | 0.111 | 0.519 | 0.009 | 1.972 | 42.806 | |
| 18 | 0.000 | 0.000 | 0.000 | 0.167 | 0.231 | 0.269 | 0.278 | 0.278 | 0.194 | 0.546 | 0.056 | 2.019 | 44.824 | |
| 19 | 0.000 | 0.000 | 0.019 | 0.213 | 0.333 | 0.324 | 0.463 | 0.287 | 0.231 | 0.380 | 0.009 | 2.259 | 47.083 | |
| 20 | 0.000 | 0.000 | 0.083 | 0.250 | 0.333 | 0.370 | 0.528 | 0.306 | 0.491 | 0.278 | 0.046 | 2.685 | 49.769 | |
| 21 | 0.000 | 0.019 | 0.139 | 0.389 | 0.576 | 0.981 | 0.778 | 0.667 | 0.556 | 0.454 | 0.037 | 4.694 | 54.463 | |
| 22 | 0.000 | 0.009 | 0.102 | 0.546 | 0.630 | 0.546 | 0.546 | 0.444 | 0.315 | 0.537 | 0.139 | 3.815 | 58.278 | |
| 23 | 0.000 | 0.000 | 0.148 | 0.333 | 0.296 | 0.463 | 0.546 | 0.259 | 0.352 | 0.750 | 0.120 | 3.269 | 61.546 | |
| 24 | 0.000 | 0.000 | 0.148 | 0.324 | 0.287 | 0.472 | 0.472 | 0.491 | 0.481 | 0.593 | 0.019 | 3.287 | 64.833 | |
| 25 | 0.000 | 0.000 | 0.065 | 0.389 | 0.287 | 0.269 | 0.241 | 0.435 | 0.296 | 0.491 | 0.056 | 2.528 | 67.361 | |
| 26 | 0.000 | 0.000 | 0.093 | 0.287 | 0.343 | 0.407 | 0.352 | 0.583 | 0.481 | 0.648 | 0.083 | 3.278 | 70.639 | |
| 27 | 0.000 | 0.000 | 0.046 | 0.259 | 0.380 | 0.444 | 0.509 | 0.602 | 0.556 | 0.602 | 0.093 | 3.491 | 74.130 | |
| 28 | 0.000 | 0.000 | 0.093 | 0.287 | 0.417 | 0.444 | 0.556 | 0.583 | 0.500 | 0.444 | 0.111 | 3.435 | 77.565 | |
| 29 | 0.000 | 0.000 | 0.065 | 0.407 | 0.523 | 0.361 | 0.454 | 0.509 | 0.546 | 0.435 | 0.176 | 3.481 | 81.046 | |
| 30 | 0.000 | 0.000 | 0.028 | 0.472 | 0.574 | 0.648 | 0.667 | 0.500 | 0.481 | 0.509 | 0.065 | 3.944 | 84.991 | |
| 31 | 0.000 | 0.000 | 0.120 | 0.194 | 0.287 | 0.435 | 0.472 | 0.435 | 0.333 | 0.417 | 0.019 | 2.713 | 87.704 | |
| 32 | 0.000 | 0.000 | 0.093 | 0.204 | 0.306 | 0.333 | 0.269 | 0.306 | 0.250 | 0.435 | 0.056 | 2.250 | 89.954 | |
| 33 | 0.000 | 0.000 | 0.120 | 0.269 | 0.435 | 0.352 | 0.500 | 0.435 | 0.380 | 0.435 | 0.130 | 3.056 | 93.009 | |
| 34 | 0.000 | 0.000 | 0.102 | 0.083 | 0.259 | 0.361 | 0.259 | 0.222 | 0.306 | 0.380 | 0.120 | 2.093 | 95.102 | |
| 35 | 0.000 | 0.000 | 0.019 | 0.102 | 0.204 | 0.269 | 0.185 | 0.120 | 0.287 | 0.426 | 0.083 | 1.694 | 96.796 | |
| 36 | 0.000 | 0.000 | 0.009 | 0.046 | 0.157 | 0.148 | 0.148 | 0.222 | 0.380 | 0.519 | 0.046 | 1.676 | 98.472 | |
| MISSING | 0.000 | 0.009 | 0.056 | 0.139 | 0.148 | 0.120 | 0.157 | 0.157 | 0.250 | 0.454 | 0.037 | 1.528 | 100.000 | |
| TOTAL | 0.000 | 0.148 | 2.296 | 7.759 | 11.481 | 13.528 | 14.759 | 13.537 | 13.398 | 21.361 | 1.731 | 100.000 | | |
| CUMUL TOTAL | 0.000 | 0.148 | 2.444 | 10.204 | 21.685 | 35.213 | 49.972 | 63.509 | 76.907 | 98.269 | 100.000 | | | |

NUMBER OF OBSERVATIONS = 10800

Table 302. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

| 19-FOOT LEVEL | | MAY 1950-1964 | | | | | | | | | | | | | |
|------------------------|------------------------------|---------------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|--|--|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.009 | 0.063 | 0.063 | 0.179 | 0.215 | 0.170 | 0.699 | 0.009 | 1.407 | 1.407 | | |
| 1 | 0.000 | 0.000 | 0.000 | 0.072 | 0.134 | 0.215 | 0.314 | 0.358 | 0.233 | 0.681 | 0.063 | 2.070 | 3.477 | | |
| 2 | 0.000 | 0.000 | 0.036 | 0.260 | 0.323 | 0.403 | 0.367 | 0.762 | 0.556 | 0.932 | 0.054 | 3.692 | 7.168 | | |
| 3 | 0.000 | 0.000 | 0.045 | 0.412 | 0.645 | 0.797 | 0.851 | 0.699 | 0.977 | 1.192 | 0.287 | 5.905 | 13.073 | | |
| 4 | 0.000 | 0.000 | 0.045 | 0.296 | 0.385 | 0.421 | 0.412 | 0.520 | 0.394 | 0.824 | 0.287 | 3.584 | 16.658 | | |
| 5 | 0.000 | 0.000 | 0.027 | 0.251 | 0.439 | 0.412 | 0.385 | 0.493 | 0.466 | 0.789 | 0.233 | 3.495 | 20.152 | | |
| 6 | 0.000 | 0.000 | 0.054 | 0.314 | 0.618 | 0.762 | 0.690 | 0.439 | 0.448 | 0.618 | 0.152 | 4.095 | 24.247 | | |
| 7 | 0.000 | 0.000 | 0.018 | 0.224 | 0.412 | 0.493 | 0.565 | 0.403 | 0.296 | 0.430 | 0.045 | 2.885 | 27.133 | | |
| 8 | 0.000 | 0.000 | 0.018 | 0.179 | 0.269 | 0.412 | 0.439 | 0.448 | 0.206 | 0.511 | 0.045 | 2.527 | 29.659 | | |
| 9 | 0.000 | 0.000 | 0.018 | 0.090 | 0.314 | 0.358 | 0.323 | 0.296 | 0.403 | 0.502 | 0.027 | 2.330 | 31.989 | | |
| 10 | 0.000 | 0.000 | 0.009 | 0.125 | 0.197 | 0.341 | 0.269 | 0.305 | 0.323 | 0.385 | 0.090 | 2.043 | 34.032 | | |
| 11 | 0.000 | 0.000 | 0.036 | 0.116 | 0.170 | 0.296 | 0.152 | 0.215 | 0.188 | 0.448 | 0.036 | 1.658 | 35.690 | | |
| 12 | 0.000 | 0.000 | 0.027 | 0.143 | 0.260 | 0.233 | 0.233 | 0.287 | 0.358 | 0.690 | 0.036 | 2.267 | 37.957 | | |
| 13 | 0.000 | 0.000 | 0.027 | 0.072 | 0.206 | 0.170 | 0.332 | 0.179 | 0.233 | 0.412 | 0.063 | 1.694 | 39.651 | | |
| 14 | 0.000 | 0.000 | 0.009 | 0.125 | 0.269 | 0.287 | 0.287 | 0.367 | 0.296 | 0.242 | 0.099 | 1.980 | 41.631 | | |
| 15 | 0.000 | 0.000 | 0.036 | 0.152 | 0.305 | 0.367 | 0.242 | 0.152 | 0.403 | 0.484 | 0.054 | 2.195 | 43.826 | | |
| 16 | 0.000 | 0.000 | 0.009 | 0.134 | 0.278 | 0.170 | 0.215 | 0.296 | 0.224 | 0.260 | 0.036 | 1.622 | 45.448 | | |
| 17 | 0.000 | 0.000 | 0.000 | 0.224 | 0.233 | 0.287 | 0.278 | 0.188 | 0.206 | 0.242 | 0.009 | 1.467 | 47.115 | | |
| 18 | 0.000 | 0.000 | 0.009 | 0.170 | 0.269 | 0.565 | 0.520 | 0.412 | 0.475 | 0.529 | 0.027 | 2.975 | 50.090 | | |
| 19 | 0.000 | 0.000 | 0.009 | 0.269 | 0.349 | 0.475 | 0.645 | 0.529 | 0.439 | 0.609 | 0.090 | 3.414 | 53.504 | | |
| 20 | 0.000 | 0.000 | 0.045 | 0.358 | 0.591 | 0.645 | 0.681 | 0.672 | 0.358 | 0.511 | 0.108 | 3.970 | 57.473 | | |
| 21 | 0.000 | 0.000 | 0.036 | 0.439 | 0.833 | 0.878 | 1.237 | 1.129 | 0.618 | 0.573 | 0.090 | 5.833 | 63.306 | | |
| 22 | 0.000 | 0.000 | 0.054 | 0.233 | 0.475 | 0.735 | 0.645 | 0.547 | 0.358 | 0.412 | 0.134 | 3.593 | 66.900 | | |
| 23 | 0.000 | 0.000 | 0.054 | 0.341 | 0.367 | 0.475 | 0.663 | 0.385 | 0.269 | 0.511 | 0.287 | 3.351 | 70.251 | | |
| 24 | 0.000 | 0.000 | 0.018 | 0.385 | 0.412 | 0.565 | 0.591 | 0.385 | 0.296 | 0.511 | 0.170 | 3.333 | 73.584 | | |
| 25 | 0.000 | 0.000 | 0.063 | 0.233 | 0.287 | 0.394 | 0.358 | 0.296 | 0.376 | 0.349 | 0.116 | 2.473 | 76.057 | | |
| 26 | 0.000 | 0.000 | 0.099 | 0.215 | 0.296 | 0.520 | 0.394 | 0.421 | 0.385 | 0.538 | 0.045 | 2.912 | 78.970 | | |
| 27 | 0.000 | 0.000 | 0.143 | 0.332 | 0.520 | 0.618 | 0.618 | 0.565 | 0.466 | 0.573 | 0.099 | 3.934 | 82.903 | | |
| 28 | 0.000 | 0.000 | 0.116 | 0.349 | 0.358 | 0.296 | 0.287 | 0.260 | 0.341 | 0.412 | 0.036 | 2.321 | 85.224 | | |
| 29 | 0.000 | 0.000 | 0.108 | 0.296 | 0.314 | 0.260 | 0.296 | 0.242 | 0.170 | 0.358 | 0.000 | 2.043 | 87.267 | | |
| 30 | 0.000 | 0.000 | 0.081 | 0.260 | 0.349 | 0.296 | 0.341 | 0.188 | 0.206 | 0.412 | 0.036 | 2.168 | 89.435 | | |
| 31 | 0.000 | 0.000 | 0.027 | 0.179 | 0.179 | 0.188 | 0.188 | 0.152 | 0.197 | 0.305 | 0.036 | 1.452 | 90.887 | | |
| 32 | 0.000 | 0.000 | 0.027 | 0.152 | 0.170 | 0.206 | 0.305 | 0.072 | 0.260 | 0.314 | 0.027 | 1.532 | 92.419 | | |
| 33 | 0.000 | 0.000 | 0.027 | 0.152 | 0.260 | 0.251 | 0.287 | 0.233 | 0.332 | 0.484 | 0.027 | 2.052 | 94.471 | | |
| 34 | 0.000 | 0.000 | 0.045 | 0.081 | 0.161 | 0.170 | 0.224 | 0.170 | 0.215 | 0.215 | 0.009 | 1.290 | 95.762 | | |
| 35 | 0.000 | 0.000 | 0.018 | 0.054 | 0.143 | 0.161 | 0.143 | 0.170 | 0.170 | 0.296 | 0.009 | 1.165 | 96.927 | | |
| 36 | 0.000 | 0.000 | 0.000 | 0.045 | 0.134 | 0.161 | 0.233 | 0.269 | 0.341 | 0.493 | 0.045 | 1.720 | 98.647 | | |
| MISSING | 0.000 | 0.000 | 0.036 | 0.152 | 0.278 | 0.161 | 0.197 | 0.108 | 0.125 | 0.224 | 0.072 | 1.353 | 100.000 | | |
| TOTAL CUMUL | 0.000 | 0.000 | 1.425 | 7.894 | 12.267 | 14.507 | 15.394 | 13.853 | 12.697 | 18.898 | 3.065 | 100.000 | | | |
| TOTAL | 0.000 | 0.000 | 1.425 | 9.319 | 21.586 | 36.093 | 51.487 | 65.341 | 78.038 | 96.935 | 100.000 | | | | |

NUMBER OF OBSERVATIONS = 11160

| 19-FOOT LEVEL | | JUNE 1950-1964 | | | | | | | | | | | | | |
|------------------------|------------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|----------------|--|--|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.019 | 0.046 | 0.102 | 0.306 | 0.398 | 0.685 | 0.852 | 0.000 | 2.407 | 2.407 | | |
| 1 | 0.000 | 0.000 | 0.000 | 0.019 | 0.130 | 0.093 | 0.130 | 0.241 | 0.287 | 0.500 | 0.009 | 1.407 | 3.815 | | |
| 2 | 0.000 | 0.000 | 0.000 | 0.056 | 0.250 | 0.231 | 0.222 | 0.389 | 0.500 | 0.824 | 0.000 | 2.472 | 6.287 | | |
| 3 | 0.000 | 0.000 | 0.009 | 0.185 | 0.500 | 0.537 | 0.620 | 0.954 | 1.028 | 1.454 | 0.028 | 5.315 | 11.602 | | |
| 4 | 0.000 | 0.000 | 0.000 | 0.194 | 0.269 | 0.306 | 0.380 | 0.426 | 0.602 | 0.769 | 0.037 | 2.981 | 14.583 | | |
| 5 | 0.000 | 0.000 | 0.000 | 0.185 | 0.250 | 0.343 | 0.426 | 0.417 | 0.426 | 0.685 | 0.028 | 2.759 | 17.343 | | |
| 6 | 0.000 | 0.000 | 0.000 | 0.120 | 0.500 | 0.519 | 0.454 | 0.556 | 0.389 | 0.565 | 0.037 | 3.139 | 20.481 | | |
| 7 | 0.000 | 0.000 | 0.000 | 0.148 | 0.370 | 0.491 | 0.352 | 0.343 | 0.426 | 0.463 | 0.056 | 2.648 | 23.130 | | |
| 8 | 0.000 | 0.000 | 0.000 | 0.111 | 0.426 | 0.426 | 0.324 | 0.361 | 0.278 | 0.472 | 0.037 | 2.435 | 25.565 | | |
| 9 | 0.000 | 0.000 | 0.000 | 0.037 | 0.370 | 0.481 | 0.380 | 0.426 | 0.324 | 0.426 | 0.009 | 2.454 | 28.019 | | |
| 10 | 0.000 | 0.000 | 0.000 | 0.028 | 0.194 | 0.231 | 0.213 | 0.241 | 0.324 | 0.361 | 0.028 | 1.620 | 29.639 | | |
| 11 | 0.000 | 0.000 | 0.019 | 0.019 | 0.204 | 0.324 | 0.222 | 0.148 | 0.287 | 0.222 | 0.019 | 1.463 | 31.102 | | |
| 12 | 0.000 | 0.000 | 0.019 | 0.056 | 0.111 | 0.185 | 0.250 | 0.185 | 0.333 | 0.519 | 0.009 | 1.667 | 32.769 | | |
| 13 | 0.000 | 0.000 | 0.000 | 0.056 | 0.037 | 0.130 | 0.306 | 0.222 | 0.380 | 0.380 | 0.000 | 1.509 | 34.278 | | |
| 14 | 0.000 | 0.000 | 0.009 | 0.046 | 0.148 | 0.185 | 0.250 | 0.324 | 0.315 | 0.444 | 0.000 | 1.722 | 36.000 | | |
| 15 | 0.000 | 0.000 | 0.009 | 0.120 | 0.287 | 0.352 | 0.556 | 0.444 | 0.398 | 0.528 | 0.009 | 2.704 | 38.704 | | |
| 16 | 0.000 | 0.000 | 0.028 | 0.074 | 0.241 | 0.306 | 0.333 | 0.306 | 0.278 | 0.370 | 0.009 | 1.944 | 40.648 | | |
| 17 | 0.000 | 0.000 | 0.009 | 0.093 | 0.204 | 0.296 | 0.361 | 0.324 | 0.361 | 0.407 | 0.037 | 2.093 | 42.741 | | |
| 18 | 0.000 | 0.000 | 0.000 | 0.065 | 0.324 | 0.454 | 0.444 | 0.500 | 0.444 | 0.407 | 0.028 | 2.667 | 45.407 | | |
| 19 | 0.000 | 0.000 | 0.009 | 0.111 | 0.444 | 0.509 | 0.583 | 0.519 | 0.565 | 0.519 | 0.019 | 3.278 | 48.685 | | |
| 20 | 0.000 | 0.000 | 0.000 | 0.222 | 0.889 | 0.704 | 0.657 | 0.796 | 0.685 | 0.602 | 0.019 | 4.574 | 53.259 | | |
| 21 | 0.000 | 0.000 | 0.019 | 0.167 | 0.924 | 1.130 | 1.176 | 1.093 | 0.787 | 0.722 | 0.009 | 6.028 | 59.287 | | |
| 22 | 0.000 | 0.000 | 0.009 | 0.167 | 0.546 | 0.712 | 0.880 | 0.852 | 0.722 | 0.574 | 0.009 | 4.481 | 63.769 | | |
| 23 | 0.000 | 0.000 | 0.019 | 0.148 | 0.407 | 0.556 | 0.630 | 0.657 | 0.546 | 0.481 | 0.000 | 3.444 | 67.213 | | |
| 24 | 0.000 | 0.000 | 0.028 | 0.204 | 0.472 | 0.333 | 0.574 | 0.574 | 0.593 | 0.722 | 0.000 | 3.500 | 70.713 | | |
| 25 | 0.000 | 0.000 | 0.009 | 0.083 | 0.444 | 0.417 | 0.287 | 0.352 | 0.407 | 0.528 | 0.000 | 2.528 | 73.241 | | |
| 26 | 0.000 | 0.000 | 0.000 | 0.102 | 0.213 | 0.361 | 0.370 | 0.509 | 0.389 | 0.444 | 0.009 | 2.398 | 75.639 | | |
| 27 | 0.000 | 0.000 | 0.000 | 0.194 | 0.380 | 0.398 | 0.500 | 0.481 | 0.509 | 0.593 | 0.009 | 3.065 | 78.704 | | |
| 28 | 0.000 | 0.000 | 0.000 | 0.194 | 0.231 | 0.259 | 0.269 | 0.269 | 0.231 | 0.426 | 0.000 | 1.880 | 80.583 | | |
| 29 | 0.000 | 0.000 | 0.009 | 0.167 | 0.259 | 0.231 | 0.296 | 0.185 | 0.296 | 0.269 | 0.000 | 1.713 | 82.296 | | |
| 30 | 0.000 | 0.000 | 0.037 | 0.241 | 0.333 | 0.454 | 0.250 | 0.204 | 0.398 | 0.370 | 0.000 | 2.287 | 84.583 | | |
| 31 | 0.000 | 0.000 | 0.037 | 0.176 | 0.287 | 0.231 | 0.287 | 0.167 | 0.306 | 0.259 | 0.000 | 1.750 | 86.333 | | |
| 32 | 0.000 | 0.000 | 0.000 | 0.167 | 0.204 | 0.241 | 0.167 | 0.213 | 0.296 | 0.287 | 0.000 | 1.574 | 87.907 | | |
| 33 | 0.000 | 0.000 | 0.000 | 0.130 | 0.333 | 0.306 | 0.361 | 0.361 | 0.343 | 0.417 | 0.000 | 2.250 | 90.157 | | |
| 34 | 0.000 | 0.000 | 0.019 | 0.130 | 0.176 | 0.157 | 0.204 | 0.231 | 0.241 | 0.389 | 0.019 | 1.565 | 91.722 | | |
| 35 | 0.000 | 0.000 | 0.009 | 0.009 | 0.120 | 0.194 | 0.231 | 0.194 | 0.241 | 0.361 | 0.009 | 1.444 | 93.167 | | |
| 36 | 0.000 | 0.000 | 0.000 | 0.028 | 0.046 | 0.139 | 0.194 | 0.250 | 0.306 | 0.315 | 0.000 | 1.278 | 94.444 | | |
| MISSING | 0.000 | 0.000 | 0.019 | 0.213 | 0.657 | 0.500 | 1.000 | 1.056 | 1.324 | 0.713 | 0.074 | 5.556 | 100.000 | | |
| TOTAL CUMUL | 0.000 | 0.000 | 0.324 | 4 | | | | | | | | | | | |

Table 303. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

| 19-FOOT LEVEL JULY 1950-1964 | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
|------------------------------|-------|-------|-------|-------------------|------------------------------|--------|--------|--------|--------|--------|---------|---------|-------------|
| DIRECTION 36 POINTS | 1-10 | 11-20 | 21-30 | RELATIVE 31-40 | HUMIDITY IN PERCENT 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.000 | 0.063 | 0.134 | 0.242 | 0.565 | 0.735 | 1.962 | 0.000 | 3.701 | 3.701 |
| 1 | 0.000 | 0.000 | 0.000 | 0.054 | 0.152 | 0.170 | 0.215 | 0.287 | 0.323 | 0.789 | 0.018 | 2.007 | 5.708 |
| 2 | 0.000 | 0.000 | 0.000 | 0.081 | 0.161 | 0.349 | 0.358 | 0.349 | 0.627 | 0.959 | 0.036 | 2.921 | 8.629 |
| 3 | 0.000 | 0.000 | 0.054 | 0.143 | 0.305 | 0.556 | 0.744 | 0.654 | 0.771 | 1.658 | 0.081 | 4.964 | 13.593 |
| 4 | 0.000 | 0.000 | 0.018 | 0.081 | 0.188 | 0.323 | 0.358 | 0.403 | 0.591 | 0.959 | 0.027 | 2.948 | 16.541 |
| 5 | 0.000 | 0.000 | 0.000 | 0.036 | 0.161 | 0.323 | 0.394 | 0.412 | 0.690 | 0.699 | 0.027 | 2.742 | 19.283 |
| 6 | 0.000 | 0.000 | 0.000 | 0.072 | 0.341 | 0.376 | 0.439 | 0.493 | 0.493 | 0.824 | 0.045 | 3.082 | 22.366 |
| 7 | 0.000 | 0.000 | 0.000 | 0.099 | 0.287 | 0.412 | 0.430 | 0.385 | 0.403 | 0.591 | 0.009 | 2.616 | 24.982 |
| 8 | 0.000 | 0.000 | 0.000 | 0.081 | 0.349 | 0.376 | 0.448 | 0.296 | 0.394 | 0.332 | 0.054 | 2.330 | 27.312 |
| 9 | 0.000 | 0.000 | 0.000 | 0.063 | 0.323 | 0.502 | 0.493 | 0.511 | 0.430 | 0.323 | 0.036 | 2.679 | 29.991 |
| 10 | 0.000 | 0.000 | 0.027 | 0.054 | 0.269 | 0.188 | 0.323 | 0.332 | 0.305 | 0.170 | 0.045 | 1.711 | 31.703 |
| 11 | 0.000 | 0.000 | 0.000 | 0.036 | 0.152 | 0.188 | 0.161 | 0.287 | 0.278 | 0.224 | 0.018 | 1.344 | 33.047 |
| 12 | 0.000 | 0.000 | 0.000 | 0.027 | 0.278 | 0.188 | 0.233 | 0.323 | 0.332 | 0.421 | 0.036 | 1.837 | 34.884 |
| 13 | 0.000 | 0.000 | 0.000 | 0.036 | 0.215 | 0.287 | 0.224 | 0.296 | 0.233 | 0.332 | 0.000 | 1.622 | 36.505 |
| 14 | 0.000 | 0.000 | 0.000 | 0.036 | 0.197 | 0.170 | 0.224 | 0.260 | 0.385 | 0.358 | 0.009 | 1.640 | 38.145 |
| 15 | 0.000 | 0.000 | 0.000 | 0.027 | 0.314 | 0.358 | 0.421 | 0.367 | 0.538 | 0.385 | 0.009 | 2.419 | 40.565 |
| 16 | 0.000 | 0.000 | 0.000 | 0.081 | 0.215 | 0.314 | 0.215 | 0.242 | 0.332 | 0.520 | 0.000 | 1.918 | 42.482 |
| 17 | 0.000 | 0.000 | 0.000 | 0.063 | 0.206 | 0.358 | 0.323 | 0.314 | 0.421 | 0.376 | 0.000 | 2.061 | 44.543 |
| 18 | 0.000 | 0.000 | 0.009 | 0.072 | 0.206 | 0.341 | 0.367 | 0.242 | 0.278 | 0.439 | 0.090 | 2.043 | 46.586 |
| 19 | 0.000 | 0.000 | 0.018 | 0.063 | 0.502 | 0.367 | 0.421 | 0.520 | 0.448 | 0.654 | 0.072 | 3.065 | 49.651 |
| 20 | 0.000 | 0.000 | 0.009 | 0.170 | 0.457 | 0.582 | 0.582 | 0.547 | 0.780 | 0.869 | 0.054 | 4.050 | 53.701 |
| 21 | 0.000 | 0.000 | 0.000 | 0.170 | 0.385 | 0.923 | 0.780 | 1.048 | 1.120 | 1.299 | 0.072 | 5.797 | 59.498 |
| 22 | 0.000 | 0.000 | 0.000 | 0.090 | 0.332 | 0.789 | 0.950 | 0.789 | 0.968 | 0.887 | 0.054 | 4.857 | 64.355 |
| 23 | 0.000 | 0.000 | 0.000 | 0.054 | 0.296 | 0.645 | 0.681 | 0.573 | 0.699 | 1.030 | 0.009 | 3.987 | 68.342 |
| 24 | 0.000 | 0.000 | 0.009 | 0.063 | 0.349 | 0.618 | 0.538 | 0.430 | 0.636 | 1.192 | 0.027 | 3.862 | 72.204 |
| 25 | 0.000 | 0.000 | 0.000 | 0.081 | 0.305 | 0.430 | 0.358 | 0.332 | 0.565 | 0.663 | 0.009 | 2.742 | 74.946 |
| 26 | 0.000 | 0.000 | 0.000 | 0.081 | 0.323 | 0.448 | 0.349 | 0.421 | 0.502 | 0.789 | 0.072 | 2.984 | 77.930 |
| 27 | 0.000 | 0.000 | 0.000 | 0.063 | 0.457 | 0.403 | 0.457 | 0.421 | 0.511 | 0.950 | 0.054 | 3.315 | 81.246 |
| 28 | 0.000 | 0.000 | 0.009 | 0.045 | 0.394 | 0.341 | 0.170 | 0.332 | 0.367 | 0.475 | 0.027 | 2.159 | 83.405 |
| 29 | 0.000 | 0.000 | 0.000 | 0.134 | 0.439 | 0.367 | 0.305 | 0.251 | 0.287 | 0.394 | 0.009 | 2.186 | 85.591 |
| 30 | 0.000 | 0.000 | 0.018 | 0.152 | 0.376 | 0.421 | 0.394 | 0.385 | 0.332 | 0.448 | 0.000 | 2.527 | 88.118 |
| 31 | 0.000 | 0.000 | 0.054 | 0.215 | 0.349 | 0.242 | 0.233 | 0.269 | 0.206 | 0.215 | 0.018 | 1.801 | 89.919 |
| 32 | 0.000 | 0.000 | 0.009 | 0.152 | 0.323 | 0.296 | 0.314 | 0.161 | 0.287 | 0.242 | 0.000 | 1.783 | 91.703 |
| 33 | 0.000 | 0.000 | 0.009 | 0.108 | 0.314 | 0.358 | 0.278 | 0.215 | 0.376 | 0.511 | 0.000 | 2.168 | 93.871 |
| 34 | 0.000 | 0.000 | 0.000 | 0.072 | 0.134 | 0.206 | 0.170 | 0.233 | 0.233 | 0.466 | 0.018 | 1.532 | 95.403 |
| 35 | 0.000 | 0.000 | 0.000 | 0.090 | 0.197 | 0.269 | 0.161 | 0.161 | 0.260 | 0.502 | 0.027 | 1.667 | 97.070 |
| 36 | 0.000 | 0.000 | 0.000 | 0.063 | 0.063 | 0.125 | 0.125 | 0.179 | 0.314 | 0.636 | 0.018 | 1.523 | 98.593 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.116 | 0.520 | 0.269 | 0.108 | 0.072 | 0.143 | 0.179 | 0.000 | 1.407 | 100.000 |
| TOTAL | 0.000 | 0.000 | 0.242 | 3.118 | 10.896 | 14.014 | 13.987 | 14.355 | 17.590 | 24.722 | 1.075 | 100.000 | |
| CUMUL TOTAL | 0.000 | 0.000 | 0.242 | 3.360 | 14.256 | 28.271 | 42.258 | 56.613 | 74.203 | 98.925 | 100.000 | | |

NUMBER OF OBSERVATIONS = 11160

| 19-FOOT LEVEL AUGUST 1950-1964 | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
|--------------------------------|-------|-------|-------|-------------------|------------------------------|--------|--------|--------|--------|--------|---------|---------|-------------|
| DIRECTION 36 POINTS | 1-10 | 11-20 | 21-30 | RELATIVE 31-40 | HUMIDITY IN PERCENT 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.009 | 0.045 | 0.188 | 0.251 | 0.493 | 0.618 | 2.518 | 0.000 | 4.122 | 4.122 |
| 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.116 | 0.152 | 0.269 | 0.233 | 0.448 | 1.192 | 0.000 | 2.410 | 6.532 |
| 2 | 0.000 | 0.000 | 0.000 | 0.045 | 0.296 | 0.394 | 0.341 | 0.466 | 1.120 | 0.000 | 0.000 | 2.957 | 9.489 |
| 3 | 0.000 | 0.000 | 0.000 | 0.045 | 0.439 | 0.582 | 0.627 | 0.600 | 0.869 | 1.478 | 0.000 | 4.642 | 14.131 |
| 4 | 0.000 | 0.000 | 0.000 | 0.018 | 0.161 | 0.341 | 0.403 | 0.305 | 0.591 | 1.004 | 0.000 | 2.823 | 16.953 |
| 5 | 0.000 | 0.000 | 0.000 | 0.027 | 0.152 | 0.341 | 0.287 | 0.296 | 0.403 | 0.708 | 0.000 | 2.213 | 19.167 |
| 6 | 0.000 | 0.000 | 0.000 | 0.036 | 0.233 | 0.278 | 0.430 | 0.323 | 0.439 | 0.609 | 0.000 | 2.348 | 21.514 |
| 7 | 0.000 | 0.000 | 0.000 | 0.027 | 0.224 | 0.179 | 0.242 | 0.251 | 0.376 | 0.475 | 0.000 | 1.774 | 23.289 |
| 8 | 0.000 | 0.000 | 0.000 | 0.009 | 0.251 | 0.251 | 0.287 | 0.332 | 0.358 | 0.484 | 0.000 | 1.971 | 25.260 |
| 9 | 0.000 | 0.000 | 0.000 | 0.018 | 0.269 | 0.349 | 0.224 | 0.251 | 0.305 | 0.672 | 0.000 | 2.088 | 27.348 |
| 10 | 0.000 | 0.000 | 0.000 | 0.018 | 0.143 | 0.224 | 0.233 | 0.296 | 0.278 | 0.529 | 0.000 | 1.720 | 29.068 |
| 11 | 0.000 | 0.000 | 0.000 | 0.027 | 0.108 | 0.116 | 0.323 | 0.260 | 0.358 | 0.520 | 0.000 | 1.711 | 30.780 |
| 12 | 0.000 | 0.000 | 0.000 | 0.018 | 0.125 | 0.108 | 0.260 | 0.269 | 0.260 | 0.582 | 0.000 | 1.622 | 32.401 |
| 13 | 0.000 | 0.000 | 0.000 | 0.018 | 0.170 | 0.108 | 0.206 | 0.242 | 0.242 | 0.556 | 0.000 | 1.541 | 33.943 |
| 14 | 0.000 | 0.000 | 0.000 | 0.036 | 0.134 | 0.215 | 0.412 | 0.385 | 0.287 | 0.547 | 0.000 | 2.016 | 35.959 |
| 15 | 0.000 | 0.000 | 0.000 | 0.063 | 0.341 | 0.349 | 0.403 | 0.376 | 0.466 | 0.582 | 0.000 | 2.581 | 38.539 |
| 16 | 0.000 | 0.000 | 0.000 | 0.134 | 0.224 | 0.349 | 0.439 | 0.260 | 0.206 | 0.341 | 0.000 | 1.953 | 40.493 |
| 17 | 0.000 | 0.000 | 0.000 | 0.072 | 0.161 | 0.287 | 0.358 | 0.314 | 0.358 | 0.466 | 0.000 | 2.016 | 42.509 |
| 18 | 0.000 | 0.000 | 0.000 | 0.072 | 0.206 | 0.332 | 0.287 | 0.466 | 0.430 | 0.538 | 0.000 | 2.330 | 44.839 |
| 19 | 0.000 | 0.000 | 0.000 | 0.036 | 0.134 | 0.314 | 0.600 | 0.654 | 0.654 | 0.726 | 0.000 | 3.118 | 47.957 |
| 20 | 0.000 | 0.000 | 0.000 | 0.090 | 0.251 | 0.358 | 0.538 | 0.690 | 0.914 | 1.389 | 0.000 | 4.229 | 52.186 |
| 21 | 0.000 | 0.000 | 0.000 | 0.108 | 0.457 | 0.860 | 1.084 | 1.066 | 1.210 | 1.640 | 0.000 | 6.425 | 58.611 |
| 22 | 0.000 | 0.000 | 0.000 | 0.134 | 0.457 | 0.699 | 0.753 | 0.645 | 0.932 | 1.371 | 0.009 | 5.000 | 63.611 |
| 23 | 0.000 | 0.000 | 0.000 | 0.063 | 0.466 | 0.744 | 0.618 | 0.475 | 0.538 | 1.237 | 0.009 | 4.149 | 67.760 |
| 24 | 0.009 | 0.000 | 0.000 | 0.063 | 0.457 | 0.457 | 0.645 | 0.547 | 0.493 | 1.263 | 0.009 | 3.943 | 71.703 |
| 25 | 0.000 | 0.000 | 0.000 | 0.063 | 0.367 | 0.385 | 0.439 | 0.412 | 0.385 | 0.699 | 0.000 | 2.751 | 74.453 |
| 26 | 0.000 | 0.000 | 0.000 | 0.045 | 0.358 | 0.412 | 0.439 | 0.367 | 0.287 | 0.860 | 0.000 | 2.769 | 77.222 |
| 27 | 0.000 | 0.000 | 0.000 | 0.054 | 0.349 | 0.412 | 0.466 | 0.430 | 0.314 | 0.923 | 0.000 | 2.948 | 80.170 |
| 28 | 0.000 | 0.000 | 0.000 | 0.027 | 0.224 | 0.349 | 0.385 | 0.251 | 0.269 | 0.627 | 0.000 | 2.133 | 82.303 |
| 29 | 0.000 | 0.000 | 0.000 | 0.027 | 0.188 | 0.206 | 0.215 | 0.224 | 0.206 | 0.529 | 0.000 | 1.595 | 83.898 |
| 30 | 0.000 | 0.000 | 0.000 | 0.099 | 0.385 | 0.376 | 0.385 | 0.233 | 0.341 | 0.573 | 0.000 | 2.392 | 86.290 |
| 31 | 0.000 | 0.000 | 0.000 | 0.090 | 0.206 | 0.332 | 0.206 | 0.251 | 0.179 | 0.448 | 0.000 | 1.711 | 88.002 |
| 32 | 0.000 | 0.000 | 0.000 | 0.045 | 0.125 | 0.305 | 0.260 | 0.251 | 0.332 | 0.466 | 0.000 | 1.783 | 89.785 |
| 33 | 0.000 | 0.000 | 0.000 | 0.027 | 0.233 | 0.278 | 0.206 | 0.358 | 0.314 | 0.842 | 0.000 | 2.258 | 92.043 |
| 34 | 0.000 | 0.000 | 0.000 | 0.018 | 0.179 | 0.233 | 0.278 | 0.260 | 0.269 | 0.717 | 0.000 | 1.953 | 93.996 |
| 35 | 0.000 | 0.000 | 0.000 | 0.018 | 0.072 | 0.224 | 0.224 | 0.269 | 0.305 | 1.174 | 0.000 | 2.285 | 96.281 |
| 36 | 0.000 | 0.000 | 0.000 | 0.009 | 0.045 | 0.125 | 0.224 | 0.197 | 0.394 | 1.425 | 0.000 | 2.419 | 98.701 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.081 | 0.439 | 0.206 | 0.170 | 0.072 | 0.063 | 0.215 | 0.054 | 1.299 | 100.000 |
| TOTAL | 0.009 | 0.000 | 0.000 | 1.783 | 9.194 | 12.321 | 14.471 | 13.943 | 16.156 | 32.043 | 0.081 | 100.000 | |
| CUMUL TOTAL | 0.009 | 0.000 | 0.000 | 1.792 | 10.966 | 23.306 | 37.778 | 51.720 | 67.876 | 99.919 | 100.000 | | |

NUMBER OF OBSERVATIONS = 11160

Table 304. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

| 19-FOOT LEVEL SEPTEMBER 1950-1964 | | | | | | | | | | | | | |
|-----------------------------------|------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.009 | 0.028 | 0.083 | 0.241 | 0.269 | 0.315 | 0.565 | 1.417 | 0.000 | 2.926 | 2.926 |
| 1 | 0.000 | 0.000 | 0.000 | 0.009 | 0.120 | 0.157 | 0.176 | 0.352 | 0.556 | 0.981 | 0.093 | 2.444 | 5.370 |
| 2 | 0.000 | 0.000 | 0.000 | 0.037 | 0.176 | 0.194 | 0.213 | 0.361 | 0.704 | 0.704 | 0.046 | 2.435 | 7.806 |
| 3 | 0.000 | 0.000 | 0.000 | 0.046 | 0.343 | 0.454 | 0.426 | 0.500 | 0.861 | 1.315 | 0.019 | 3.963 | 11.769 |
| 4 | 0.000 | 0.000 | 0.000 | 0.009 | 0.148 | 0.250 | 0.250 | 0.426 | 0.500 | 0.704 | 0.019 | 2.306 | 14.074 |
| 5 | 0.000 | 0.000 | 0.000 | 0.028 | 0.231 | 0.398 | 0.250 | 0.315 | 0.472 | 0.407 | 0.009 | 2.111 | 16.185 |
| 6 | 0.000 | 0.000 | 0.000 | 0.102 | 0.259 | 0.352 | 0.324 | 0.417 | 0.481 | 0.565 | 0.019 | 2.519 | 18.704 |
| 7 | 0.000 | 0.000 | 0.000 | 0.046 | 0.185 | 0.333 | 0.361 | 0.352 | 0.426 | 0.389 | 0.037 | 2.130 | 20.833 |
| 8 | 0.000 | 0.000 | 0.000 | 0.046 | 0.222 | 0.324 | 0.370 | 0.361 | 0.324 | 0.259 | 0.000 | 1.907 | 22.741 |
| 9 | 0.000 | 0.000 | 0.000 | 0.065 | 0.176 | 0.472 | 0.315 | 0.435 | 0.398 | 0.630 | 0.009 | 2.500 | 25.241 |
| 10 | 0.000 | 0.000 | 0.000 | 0.037 | 0.130 | 0.204 | 0.259 | 0.306 | 0.398 | 0.454 | 0.009 | 1.796 | 27.037 |
| 11 | 0.000 | 0.000 | 0.000 | 0.037 | 0.130 | 0.176 | 0.185 | 0.204 | 0.315 | 0.389 | 0.028 | 1.463 | 28.500 |
| 12 | 0.000 | 0.000 | 0.019 | 0.074 | 0.185 | 0.241 | 0.157 | 0.463 | 0.463 | 0.537 | 0.028 | 2.167 | 30.667 |
| 13 | 0.000 | 0.000 | 0.000 | 0.046 | 0.056 | 0.204 | 0.306 | 0.296 | 0.278 | 0.361 | 0.046 | 1.593 | 32.259 |
| 14 | 0.000 | 0.000 | 0.000 | 0.074 | 0.231 | 0.389 | 0.324 | 0.389 | 0.389 | 0.389 | 0.102 | 2.278 | 34.537 |
| 15 | 0.000 | 0.000 | 0.000 | 0.185 | 0.352 | 0.370 | 0.398 | 0.407 | 0.287 | 0.287 | 0.046 | 2.333 | 36.870 |
| 16 | 0.000 | 0.000 | 0.000 | 0.167 | 0.306 | 0.333 | 0.343 | 0.324 | 0.306 | 0.250 | 0.083 | 2.111 | 38.981 |
| 17 | 0.000 | 0.000 | 0.000 | 0.231 | 0.256 | 0.343 | 0.213 | 0.306 | 0.250 | 0.343 | 0.083 | 2.065 | 41.046 |
| 18 | 0.000 | 0.000 | 0.028 | 0.120 | 0.389 | 0.370 | 0.333 | 0.472 | 0.256 | 0.574 | 0.139 | 2.722 | 43.769 |
| 19 | 0.000 | 0.000 | 0.019 | 0.185 | 0.556 | 0.509 | 0.593 | 0.657 | 0.602 | 0.750 | 0.269 | 4.139 | 47.907 |
| 20 | 0.000 | 0.000 | 0.000 | 0.287 | 0.694 | 0.704 | 0.657 | 0.667 | 0.796 | 0.852 | 0.185 | 4.843 | 52.750 |
| 21 | 0.000 | 0.000 | 0.019 | 0.583 | 0.880 | 1.019 | 0.889 | 1.148 | 0.898 | 0.704 | 0.028 | 6.167 | 58.917 |
| 22 | 0.000 | 0.000 | 0.009 | 0.352 | 0.417 | 0.593 | 0.685 | 0.454 | 0.574 | 0.787 | 0.000 | 3.870 | 62.787 |
| 23 | 0.000 | 0.000 | 0.009 | 0.222 | 0.500 | 0.472 | 0.602 | 0.500 | 0.463 | 0.889 | 0.019 | 3.676 | 66.463 |
| 24 | 0.000 | 0.000 | 0.028 | 0.296 | 0.500 | 0.426 | 0.389 | 0.454 | 0.509 | 0.898 | 0.037 | 3.537 | 70.000 |
| 25 | 0.000 | 0.000 | 0.009 | 0.130 | 0.370 | 0.361 | 0.176 | 0.315 | 0.278 | 0.611 | 0.046 | 2.296 | 72.296 |
| 26 | 0.000 | 0.000 | 0.009 | 0.269 | 0.361 | 0.407 | 0.194 | 0.315 | 0.361 | 0.630 | 0.037 | 2.583 | 74.880 |
| 27 | 0.000 | 0.000 | 0.046 | 0.333 | 0.509 | 0.343 | 0.269 | 0.333 | 0.444 | 0.843 | 0.037 | 3.157 | 78.037 |
| 28 | 0.000 | 0.000 | 0.019 | 0.167 | 0.259 | 0.204 | 0.231 | 0.324 | 0.296 | 0.509 | 0.009 | 2.019 | 80.056 |
| 29 | 0.000 | 0.000 | 0.009 | 0.148 | 0.472 | 0.278 | 0.287 | 0.231 | 0.370 | 0.370 | 0.019 | 2.185 | 82.241 |
| 30 | 0.000 | 0.000 | 0.028 | 0.185 | 0.546 | 0.389 | 0.343 | 0.352 | 0.546 | 0.722 | 0.037 | 3.148 | 85.389 |
| 31 | 0.000 | 0.000 | 0.009 | 0.139 | 0.333 | 0.306 | 0.185 | 0.398 | 0.324 | 0.472 | 0.037 | 2.204 | 87.593 |
| 32 | 0.000 | 0.000 | 0.019 | 0.083 | 0.259 | 0.250 | 0.231 | 0.296 | 0.278 | 0.407 | 0.037 | 1.861 | 89.454 |
| 33 | 0.000 | 0.000 | 0.000 | 0.194 | 0.333 | 0.343 | 0.287 | 0.361 | 0.519 | 0.769 | 0.056 | 2.861 | 92.315 |
| 34 | 0.000 | 0.000 | 0.000 | 0.139 | 0.259 | 0.102 | 0.204 | 0.315 | 0.352 | 0.639 | 0.019 | 2.028 | 94.343 |
| 35 | 0.000 | 0.000 | 0.000 | 0.056 | 0.241 | 0.139 | 0.259 | 0.454 | 0.444 | 0.769 | 0.065 | 2.426 | 96.769 |
| 36 | 0.000 | 0.000 | 0.000 | 0.028 | 0.093 | 0.120 | 0.120 | 0.398 | 0.565 | 0.917 | 0.019 | 2.259 | 99.028 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.102 | 0.306 | 0.185 | 0.093 | 0.037 | 0.046 | 0.204 | 0.000 | 0.972 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.000 | 0.287 | 5.287 | 11.907 | 12.954 | 12.167 | 15.009 | 16.935 | 23.685 | 1.769 | 100.000 | |

NUMBER OF OBSERVATIONS = 10800

| 19-FOOT LEVEL OCTOBER 1950-1964 | | | | | | | | | | | | | |
|---------------------------------|------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|----------------|
| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| CALM | 0.000 | 0.000 | 0.027 | 0.134 | 0.206 | 0.242 | 0.188 | 0.278 | 0.341 | 0.762 | 0.000 | 2.177 | 2.177 |
| 1 | 0.000 | 0.000 | 0.000 | 0.036 | 0.125 | 0.143 | 0.215 | 0.314 | 0.538 | 0.959 | 0.000 | 2.330 | 4.507 |
| 2 | 0.000 | 0.000 | 0.000 | 0.036 | 0.116 | 0.224 | 0.215 | 0.233 | 0.332 | 0.824 | 0.000 | 1.980 | 6.487 |
| 3 | 0.000 | 0.000 | 0.009 | 0.045 | 0.251 | 0.314 | 0.367 | 0.430 | 0.475 | 1.371 | 0.000 | 3.262 | 9.749 |
| 4 | 0.000 | 0.000 | 0.009 | 0.000 | 0.108 | 0.206 | 0.251 | 0.179 | 0.296 | 0.797 | 0.000 | 1.846 | 11.595 |
| 5 | 0.000 | 0.000 | 0.009 | 0.054 | 0.161 | 0.179 | 0.134 | 0.152 | 0.206 | 0.556 | 0.000 | 1.452 | 13.047 |
| 6 | 0.000 | 0.000 | 0.000 | 0.099 | 0.233 | 0.215 | 0.332 | 0.161 | 0.287 | 0.699 | 0.000 | 2.025 | 15.072 |
| 7 | 0.000 | 0.000 | 0.036 | 0.072 | 0.116 | 0.161 | 0.206 | 0.251 | 0.197 | 0.421 | 0.000 | 1.461 | 16.532 |
| 8 | 0.000 | 0.000 | 0.000 | 0.054 | 0.090 | 0.179 | 0.197 | 0.188 | 0.278 | 0.296 | 0.000 | 1.281 | 17.814 |
| 9 | 0.000 | 0.000 | 0.000 | 0.081 | 0.125 | 0.215 | 0.152 | 0.170 | 0.305 | 0.582 | 0.000 | 1.631 | 19.444 |
| 10 | 0.000 | 0.000 | 0.027 | 0.063 | 0.063 | 0.224 | 0.161 | 0.188 | 0.332 | 0.376 | 0.000 | 1.434 | 20.878 |
| 11 | 0.000 | 0.000 | 0.036 | 0.081 | 0.081 | 0.170 | 0.170 | 0.152 | 0.233 | 0.323 | 0.000 | 1.246 | 22.124 |
| 12 | 0.000 | 0.000 | 0.018 | 0.161 | 0.143 | 0.125 | 0.332 | 0.233 | 0.305 | 0.493 | 0.000 | 1.810 | 23.934 |
| 13 | 0.000 | 0.000 | 0.027 | 0.063 | 0.170 | 0.224 | 0.287 | 0.278 | 0.278 | 0.457 | 0.000 | 1.783 | 25.717 |
| 14 | 0.000 | 0.000 | 0.009 | 0.170 | 0.161 | 0.233 | 0.358 | 0.332 | 0.314 | 0.412 | 0.000 | 1.989 | 27.706 |
| 15 | 0.000 | 0.000 | 0.116 | 0.179 | 0.457 | 0.394 | 0.349 | 0.305 | 0.341 | 0.475 | 0.000 | 2.616 | 30.323 |
| 16 | 0.000 | 0.000 | 0.018 | 0.296 | 0.242 | 0.412 | 0.323 | 0.215 | 0.296 | 0.376 | 0.000 | 2.177 | 32.500 |
| 17 | 0.000 | 0.000 | 0.054 | 0.197 | 0.376 | 0.421 | 0.376 | 0.287 | 0.287 | 0.547 | 0.027 | 2.572 | 35.072 |
| 18 | 0.000 | 0.000 | 0.036 | 0.224 | 0.538 | 0.556 | 0.421 | 0.341 | 0.457 | 0.591 | 0.027 | 3.190 | 38.262 |
| 19 | 0.000 | 0.000 | 0.063 | 0.349 | 0.457 | 0.538 | 0.645 | 0.573 | 0.565 | 0.618 | 0.009 | 3.817 | 42.079 |
| 20 | 0.000 | 0.000 | 0.063 | 0.394 | 0.780 | 0.717 | 0.708 | 0.645 | 0.565 | 0.780 | 0.000 | 4.651 | 46.729 |
| 21 | 0.000 | 0.009 | 0.251 | 0.463 | 1.300 | 1.057 | 1.201 | 1.156 | 0.995 | 1.192 | 0.000 | 7.832 | 54.561 |
| 22 | 0.000 | 0.000 | 0.116 | 0.376 | 0.851 | 0.681 | 0.720 | 0.636 | 0.529 | 0.887 | 0.000 | 4.803 | 59.364 |
| 23 | 0.000 | 0.000 | 0.081 | 0.323 | 0.475 | 0.609 | 0.591 | 0.484 | 0.403 | 0.771 | 0.000 | 3.737 | 63.100 |
| 24 | 0.000 | 0.000 | 0.081 | 0.484 | 0.412 | 0.394 | 0.394 | 0.367 | 0.439 | 0.959 | 0.000 | 3.530 | 66.631 |
| 25 | 0.000 | 0.000 | 0.027 | 0.161 | 0.287 | 0.287 | 0.305 | 0.215 | 0.376 | 0.582 | 0.000 | 2.240 | 68.871 |
| 26 | 0.000 | 0.009 | 0.045 | 0.143 | 0.349 | 0.278 | 0.269 | 0.278 | 0.457 | 0.511 | 0.009 | 2.348 | 71.219 |
| 27 | 0.000 | 0.018 | 0.161 | 0.251 | 0.341 | 0.305 | 0.314 | 0.412 | 0.412 | 0.690 | 0.018 | 2.921 | 74.140 |
| 28 | 0.000 | 0.000 | 0.099 | 0.188 | 0.314 | 0.421 | 0.403 | 0.412 | 0.412 | 0.448 | 0.054 | 2.751 | 76.891 |
| 29 | 0.000 | 0.009 | 0.045 | 0.242 | 0.493 | 0.287 | 0.358 | 0.349 | 0.323 | 0.269 | 0.027 | 2.401 | 79.292 |
| 30 | 0.000 | 0.000 | 0.090 | 0.251 | 0.520 | 0.430 | 0.439 | 0.278 | 0.412 | 0.502 | 0.000 | 2.921 | 82.213 |
| 31 | 0.000 | 0.009 | 0.045 | 0.287 | 0.349 | 0.287 | 0.394 | 0.305 | 0.341 | 0.681 | 0.009 | 2.706 | 84.919 |
| 32 | 0.000 | 0.000 | 0.027 | 0.116 | 0.233 | 0.376 | 0.341 | 0.305 | 0.314 | 0.573 | 0.036 | 2.321 | 87.240 |
| 33 | 0.000 | 0.000 | 0.045 | 0.197 | 0.376 | 0.529 | 0.439 | 0.493 | 0.842 | 0.977 | 0.054 | 3.952 | 91.192 |
| 34 | 0.000 | 0.000 | 0.027 | 0.116 | 0.242 | 0.358 | 0.296 | 0.376 | 0.466 | 0.627 | 0.054 | 2.563 | 93.754 |
| 35 | 0.000 | 0.000 | 0.027 | 0.125 | 0.215 | 0.358 | 0.484 | 0.376 | 0.493 | 0.860 | 0.027 | 2.966 | 96.720 |
| 36 | 0.000 | 0.000 | 0.009 | 0.018 | 0.188 | 0.358 | 0.251 | 0.332 | 0.457 | 1.004 | 0.000 | 2.616 | 99.337 |
| MISSING | 0.000 | 0.000 | 0.036 | 0.090 | 0.143 | 0.134 | 0.009 | 0.054 | 0.045 | 0.152 | 0.000 | 0.663 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.054 | 1.765 | 6.819 | 12.097 | 13.244 | 13.602 | 12.733 | 14.937 | 24.400 | 0.349 | 100.000 | |

NUMBER OF OBSERVATIONS = 11160

Table 305. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19-foot Wind Direction

19-FOOT LEVEL NOVEMBER 1950-1964

| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|------------------------------|-------|-------|-------|-------|--------|--------|--------|--------|----------------|---------|----------------|---------|
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 MISSING | | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.028 | 0.046 | 0.093 | 0.176 | 0.194 | 0.241 | 0.287 | 0.000 | 1.065 | 1.065 |
| 1 | 0.000 | 0.000 | 0.000 | 0.019 | 0.046 | 0.139 | 0.278 | 0.296 | 0.333 | 0.435 | 0.000 | 1.546 | 2.611 |
| 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.120 | 0.130 | 0.139 | 0.250 | 0.491 | 0.000 | 1.139 | 3.750 |
| 3 | 0.000 | 0.000 | 0.000 | 0.019 | 0.056 | 0.102 | 0.222 | 0.194 | 0.213 | 0.722 | 0.000 | 1.528 | 5.278 |
| 4 | 0.000 | 0.000 | 0.000 | 0.019 | 0.037 | 0.093 | 0.056 | 0.139 | 0.167 | 0.509 | 0.000 | 1.019 | 6.296 |
| 5 | 0.000 | 0.000 | 0.000 | 0.037 | 0.009 | 0.093 | 0.046 | 0.065 | 0.157 | 0.380 | 0.000 | 0.787 | 7.083 |
| 6 | 0.000 | 0.000 | 0.009 | 0.019 | 0.019 | 0.139 | 0.130 | 0.120 | 0.157 | 0.519 | 0.000 | 1.111 | 8.194 |
| 7 | 0.000 | 0.000 | 0.000 | 0.009 | 0.009 | 0.037 | 0.065 | 0.083 | 0.130 | 0.389 | 0.000 | 0.722 | 8.917 |
| 8 | 0.000 | 0.000 | 0.000 | 0.019 | 0.046 | 0.037 | 0.056 | 0.056 | 0.139 | 0.361 | 0.000 | 0.713 | 9.630 |
| 9 | 0.000 | 0.000 | 0.000 | 0.009 | 0.028 | 0.028 | 0.093 | 0.157 | 0.167 | 0.611 | 0.000 | 1.093 | 10.722 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.028 | 0.046 | 0.213 | 0.157 | 0.185 | 0.269 | 0.009 | 0.907 | 11.630 |
| 11 | 0.000 | 0.000 | 0.000 | 0.009 | 0.056 | 0.056 | 0.111 | 0.167 | 0.194 | 0.343 | 0.000 | 0.935 | 12.565 |
| 12 | 0.000 | 0.000 | 0.000 | 0.019 | 0.019 | 0.093 | 0.231 | 0.306 | 0.231 | 0.315 | 0.000 | 1.213 | 13.778 |
| 13 | 0.000 | 0.000 | 0.000 | 0.028 | 0.037 | 0.130 | 0.269 | 0.176 | 0.417 | 0.000 | 0.000 | 1.269 | 15.046 |
| 14 | 0.000 | 0.000 | 0.000 | 0.028 | 0.037 | 0.185 | 0.204 | 0.259 | 0.194 | 0.296 | 0.009 | 1.213 | 16.259 |
| 15 | 0.000 | 0.000 | 0.009 | 0.028 | 0.130 | 0.231 | 0.426 | 0.454 | 0.380 | 0.398 | 0.000 | 2.056 | 18.315 |
| 16 | 0.000 | 0.000 | 0.009 | 0.009 | 0.139 | 0.194 | 0.380 | 0.259 | 0.241 | 0.454 | 0.019 | 1.704 | 20.019 |
| 17 | 0.000 | 0.000 | 0.009 | 0.056 | 0.324 | 0.519 | 0.380 | 0.352 | 0.167 | 0.972 | 0.000 | 2.778 | 22.796 |
| 18 | 0.000 | 0.000 | 0.037 | 0.111 | 0.435 | 0.676 | 0.741 | 0.639 | 0.398 | 0.981 | 0.000 | 4.019 | 26.815 |
| 19 | 0.000 | 0.000 | 0.037 | 0.194 | 0.537 | 0.815 | 1.046 | 0.750 | 0.546 | 0.963 | 0.000 | 4.889 | 31.704 |
| 20 | 0.000 | 0.000 | 0.037 | 0.213 | 0.380 | 0.657 | 1.019 | 1.065 | 0.787 | 1.167 | 0.000 | 5.324 | 37.028 |
| 21 | 0.000 | 0.000 | 0.000 | 0.176 | 0.704 | 0.806 | 1.102 | 1.574 | 1.083 | 1.130 | 0.000 | 6.583 | 43.611 |
| 22 | 0.000 | 0.000 | 0.000 | 0.139 | 0.481 | 0.602 | 0.815 | 1.028 | 0.713 | 0.963 | 0.000 | 4.741 | 48.352 |
| 23 | 0.000 | 0.000 | 0.000 | 0.083 | 0.315 | 0.454 | 0.593 | 0.648 | 0.750 | 0.889 | 0.000 | 3.731 | 52.083 |
| 24 | 0.000 | 0.000 | 0.009 | 0.083 | 0.435 | 0.685 | 0.824 | 1.000 | 0.787 | 1.037 | 0.000 | 4.861 | 56.944 |
| 25 | 0.000 | 0.000 | 0.000 | 0.120 | 0.204 | 0.417 | 0.611 | 0.889 | 0.741 | 1.065 | 0.000 | 4.046 | 60.991 |
| 26 | 0.000 | 0.000 | 0.009 | 0.120 | 0.278 | 0.528 | 0.731 | 0.981 | 0.889 | 0.954 | 0.000 | 4.491 | 65.481 |
| 27 | 0.000 | 0.000 | 0.000 | 0.111 | 0.426 | 0.722 | 0.824 | 1.065 | 1.074 | 1.074 | 0.000 | 5.287 | 70.769 |
| 28 | 0.000 | 0.000 | 0.009 | 0.083 | 0.167 | 0.435 | 0.639 | 0.833 | 0.704 | 0.731 | 0.000 | 3.602 | 74.370 |
| 29 | 0.000 | 0.000 | 0.065 | 0.157 | 0.222 | 0.426 | 0.685 | 0.944 | 0.824 | 0.528 | 0.000 | 3.852 | 78.222 |
| 30 | 0.000 | 0.009 | 0.074 | 0.120 | 0.278 | 0.704 | 0.611 | 0.833 | 0.824 | 0.750 | 0.000 | 4.204 | 82.426 |
| 31 | 0.000 | 0.000 | 0.000 | 0.074 | 0.324 | 0.481 | 0.620 | 0.685 | 0.528 | 0.537 | 0.000 | 3.250 | 85.676 |
| 32 | 0.000 | 0.000 | 0.009 | 0.019 | 0.278 | 0.380 | 0.472 | 0.676 | 0.583 | 0.426 | 0.000 | 2.843 | 88.519 |
| 33 | 0.000 | 0.000 | 0.000 | 0.028 | 0.315 | 0.435 | 0.546 | 0.796 | 0.694 | 0.769 | 0.000 | 3.583 | 92.102 |
| 34 | 0.000 | 0.000 | 0.000 | 0.037 | 0.074 | 0.269 | 0.389 | 0.519 | 0.583 | 0.620 | 0.000 | 2.491 | 94.593 |
| 35 | 0.000 | 0.000 | 0.000 | 0.000 | 0.083 | 0.204 | 0.407 | 0.481 | 0.546 | 0.778 | 0.000 | 2.500 | 97.093 |
| 36 | 0.000 | 0.000 | 0.000 | 0.000 | 0.019 | 0.120 | 0.444 | 0.287 | 0.306 | 0.981 | 0.000 | 2.157 | 99.250 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.019 | 0.093 | 0.278 | 0.083 | 0.130 | 0.074 | 0.074 | 0.000 | 0.750 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.009 | 0.324 | 2.241 | 7.120 | 12.426 | 16.611 | 19.491 | 17.148 | 24.583 | 0.046 | 100.000 | |
| TOTAL TOTAL | 0.000 | 0.009 | 0.333 | 2.574 | 9.694 | 22.120 | 38.731 | 58.222 | 75.370 | 99.954 | 100.000 | | |

NUMBER OF OBSERVATIONS = 10800

19-FOOT LEVEL DECEMBER 1950-1964

| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|----------------|---------|----------------|---------|
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 MISSING | | | |
| CALM | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.027 | 0.045 | 0.188 | 0.376 | 0.815 | 0.000 | 1.470 | 1.470 |
| 1 | 0.000 | 0.000 | 0.000 | 0.027 | 0.081 | 0.054 | 0.116 | 0.358 | 0.448 | 0.753 | 0.000 | 1.837 | 3.306 |
| 2 | 0.000 | 0.000 | 0.000 | 0.018 | 0.018 | 0.045 | 0.072 | 0.161 | 0.242 | 0.349 | 0.000 | 0.905 | 4.211 |
| 3 | 0.000 | 0.000 | 0.000 | 0.009 | 0.018 | 0.170 | 0.134 | 0.206 | 0.332 | 0.842 | 0.000 | 1.711 | 5.923 |
| 4 | 0.000 | 0.000 | 0.000 | 0.009 | 0.018 | 0.063 | 0.108 | 0.161 | 0.197 | 0.457 | 0.000 | 1.013 | 6.935 |
| 5 | 0.000 | 0.000 | 0.000 | 0.009 | 0.009 | 0.072 | 0.099 | 0.063 | 0.125 | 0.341 | 0.000 | 0.717 | 7.652 |
| 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.108 | 0.108 | 0.188 | 0.143 | 0.556 | 0.000 | 1.138 | 8.790 |
| 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.054 | 0.108 | 0.215 | 0.206 | 0.547 | 0.000 | 1.129 | 9.919 |
| 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.045 | 0.260 | 0.251 | 0.529 | 0.000 | 1.093 | 11.013 |
| 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.072 | 0.099 | 0.305 | 0.251 | 0.681 | 0.000 | 1.443 | 12.455 |
| 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.054 | 0.099 | 0.125 | 0.251 | 0.421 | 0.000 | 0.968 | 13.423 |
| 11 | 0.000 | 0.000 | 0.000 | 0.009 | 0.027 | 0.045 | 0.108 | 0.215 | 0.314 | 0.520 | 0.000 | 1.237 | 14.659 |
| 12 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.081 | 0.179 | 0.367 | 0.358 | 0.851 | 0.000 | 1.846 | 16.505 |
| 13 | 0.000 | 0.000 | 0.000 | 0.000 | 0.045 | 0.063 | 0.161 | 0.188 | 0.493 | 0.744 | 0.000 | 1.694 | 18.199 |
| 14 | 0.000 | 0.000 | 0.000 | 0.018 | 0.027 | 0.027 | 0.125 | 0.251 | 0.278 | 0.609 | 0.000 | 1.335 | 19.534 |
| 15 | 0.000 | 0.000 | 0.000 | 0.009 | 0.018 | 0.081 | 0.287 | 0.385 | 0.332 | 0.690 | 0.000 | 1.801 | 21.335 |
| 16 | 0.000 | 0.000 | 0.000 | 0.018 | 0.009 | 0.116 | 0.206 | 0.251 | 0.260 | 0.475 | 0.000 | 1.335 | 22.670 |
| 17 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.134 | 0.251 | 0.439 | 0.385 | 0.842 | 0.000 | 2.061 | 24.731 |
| 18 | 0.000 | 0.000 | 0.000 | 0.009 | 0.090 | 0.323 | 0.457 | 0.538 | 0.582 | 1.129 | 0.000 | 3.127 | 27.858 |
| 19 | 0.000 | 0.000 | 0.000 | 0.009 | 0.134 | 0.206 | 0.529 | 0.627 | 0.797 | 1.353 | 0.018 | 3.674 | 31.532 |
| 20 | 0.000 | 0.000 | 0.000 | 0.036 | 0.188 | 0.323 | 0.556 | 0.824 | 0.869 | 1.084 | 0.009 | 3.889 | 35.421 |
| 21 | 0.000 | 0.000 | 0.000 | 0.072 | 0.197 | 0.502 | 0.851 | 1.147 | 0.905 | 1.443 | 0.009 | 5.125 | 40.547 |
| 22 | 0.000 | 0.000 | 0.000 | 0.063 | 0.081 | 0.430 | 0.941 | 0.968 | 0.896 | 1.237 | 0.009 | 4.624 | 45.170 |
| 23 | 0.000 | 0.000 | 0.000 | 0.027 | 0.072 | 0.323 | 0.582 | 0.905 | 1.183 | 1.461 | 0.018 | 4.570 | 49.740 |
| 24 | 0.000 | 0.000 | 0.000 | 0.018 | 0.081 | 0.332 | 0.547 | 1.013 | 1.201 | 1.944 | 0.036 | 5.170 | 54.910 |
| 25 | 0.000 | 0.000 | 0.000 | 0.018 | 0.059 | 0.278 | 0.466 | 0.824 | 1.281 | 1.478 | 0.081 | 4.525 | 59.435 |
| 26 | 0.000 | 0.000 | 0.009 | 0.018 | 0.099 | 0.224 | 0.430 | 0.941 | 1.272 | 1.389 | 0.116 | 4.498 | 63.934 |
| 27 | 0.000 | 0.000 | 0.000 | 0.036 | 0.116 | 0.296 | 0.645 | 1.201 | 1.676 | 1.613 | 0.090 | 5.672 | 69.606 |
| 28 | 0.000 | 0.000 | 0.000 | 0.036 | 0.072 | 0.260 | 0.582 | 1.093 | 1.138 | 1.039 | 0.090 | 4.310 | 73.916 |
| 29 | 0.000 | 0.000 | 0.000 | 0.000 | 0.152 | 0.278 | 0.618 | 1.057 | 1.138 | 0.797 | 0.045 | 4.086 | 78.002 |
| 30 | 0.000 | 0.000 | 0.000 | 0.000 | 0.054 | 0.412 | 0.681 | 1.201 | 1.111 | 1.093 | 0.027 | 4.579 | 82.581 |
| 31 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.215 | 0.448 | 1.039 | 0.878 | 0.869 | 0.072 | 3.557 | 86.138 |
| 32 | 0.000 | 0.000 | 0.000 | 0.000 | 0.018 | 0.170 | 0.376 | 0.556 | 0.789 | 0.627 | 0.027 | 2.563 | 88.701 |
| 33 | 0.000 | 0.000 | 0.000 | 0.000 | 0.036 | 0.224 | 0.627 | 0.780 | 1.084 | 0.923 | 0.116 | 3.790 | 92.491 |
| 34 | 0.000 | 0.000 | 0.000 | 0.045 | 0.081 | 0.116 | 0.332 | 0.520 | 0.591 | 0.556 | 0.027 | 2.267 | 94.758 |
| 35 | 0.000 | 0.000 | 0.000 | 0.018 | 0.063 | 0.233 | 0.349 | 0.457 | 0.681 | 0.771 | 0.000 | 2.572 | 97.330 |
| 36 | 0.000 | 0.000 | 0.000 | 0.009 | 0.063 | 0.090 | 0.179 | 0.430 | 0.538 | 0.708 | 0.000 | 2.016 | 99.346 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.009 | 0.063 | 0.116 | 0.251 | 0.206 | 0.000 | 0.654 | 100.000 |
| TOTAL CUMUL TOTAL | 0.000 | 0.000 | 0.009 | 0.538 | 2.133 | 6.514 | 12.608 | 20.565 | 24.104 | 32.742 | 0.789 | 100.000 | |
| TOTAL TOTAL | 0.000 | 0.000 | 0.009 | 0.547 | 2.679 | 9.194 | 21.801 | 42.366 | 66.470 | 99.211 | 100.000 | | |

NUMBER OF OBSERVATIONS = 11160

Table 306. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 19- and 150-foot Wind Direction

19-FOOT LEVEL ALL YEARS 1950-1964

| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|----------------|---------|
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | | | MISSING |
| CALM | 0.000 | 0.000 | 0.004 | 0.023 | 0.065 | 0.114 | 0.167 | 0.273 | 0.395 | 0.970 | 0.009 | 2.021 | 2.021 |
| 1 | 0.000 | 0.001 | 0.002 | 0.038 | 0.110 | 0.138 | 0.226 | 0.344 | 0.435 | 0.867 | 0.019 | 2.180 | 4.201 |
| 2 | 0.000 | 0.000 | 0.012 | 0.059 | 0.138 | 0.213 | 0.255 | 0.319 | 0.457 | 0.836 | 0.015 | 2.303 | 6.504 |
| 3 | 0.000 | 0.001 | 0.020 | 0.108 | 0.261 | 0.395 | 0.457 | 0.517 | 0.654 | 1.233 | 0.040 | 3.685 | 10.190 |
| 4 | 0.000 | 0.002 | 0.016 | 0.068 | 0.147 | 0.226 | 0.276 | 0.316 | 0.421 | 0.795 | 0.039 | 2.301 | 12.491 |
| 5 | 0.000 | 0.002 | 0.007 | 0.075 | 0.165 | 0.238 | 0.284 | 0.378 | 0.432 | 0.744 | 0.032 | 2.082 | 14.573 |
| 6 | 0.000 | 0.002 | 0.015 | 0.094 | 0.252 | 0.332 | 0.376 | 0.432 | 0.432 | 0.744 | 0.024 | 2.648 | 17.221 |
| 7 | 0.000 | 0.002 | 0.011 | 0.072 | 0.198 | 0.287 | 0.295 | 0.330 | 0.356 | 0.576 | 0.014 | 2.142 | 19.363 |
| 8 | 0.000 | 0.001 | 0.008 | 0.070 | 0.186 | 0.253 | 0.302 | 0.322 | 0.308 | 0.474 | 0.011 | 1.935 | 21.298 |
| 9 | 0.000 | 0.000 | 0.005 | 0.043 | 0.178 | 0.293 | 0.274 | 0.329 | 0.337 | 0.591 | 0.008 | 2.058 | 23.356 |
| 10 | 0.000 | 0.001 | 0.008 | 0.046 | 0.122 | 0.169 | 0.210 | 0.240 | 0.289 | 0.423 | 0.017 | 1.525 | 24.881 |
| 11 | 0.000 | 0.000 | 0.013 | 0.042 | 0.105 | 0.154 | 0.183 | 0.213 | 0.259 | 0.428 | 0.011 | 1.508 | 26.289 |
| 12 | 0.000 | 0.000 | 0.008 | 0.049 | 0.122 | 0.152 | 0.230 | 0.305 | 0.331 | 0.561 | 0.011 | 1.770 | 28.059 |
| 13 | 0.000 | 0.000 | 0.006 | 0.034 | 0.100 | 0.155 | 0.235 | 0.253 | 0.287 | 0.472 | 0.010 | 1.533 | 29.612 |
| 14 | 0.000 | 0.000 | 0.006 | 0.058 | 0.129 | 0.184 | 0.257 | 0.288 | 0.297 | 0.439 | 0.020 | 1.678 | 31.289 |
| 15 | 0.000 | 0.000 | 0.021 | 0.081 | 0.249 | 0.278 | 0.365 | 0.339 | 0.394 | 0.526 | 0.011 | 2.264 | 33.553 |
| 16 | 0.000 | 0.000 | 0.008 | 0.095 | 0.186 | 0.242 | 0.275 | 0.257 | 0.271 | 0.414 | 0.014 | 1.762 | 35.315 |
| 17 | 0.000 | 0.000 | 0.008 | 0.098 | 0.208 | 0.300 | 0.306 | 0.337 | 0.306 | 0.532 | 0.015 | 2.110 | 37.425 |
| 18 | 0.000 | 0.000 | 0.011 | 0.097 | 0.249 | 0.392 | 0.435 | 0.452 | 0.399 | 0.649 | 0.031 | 2.716 | 40.141 |
| 19 | 0.000 | 0.000 | 0.015 | 0.130 | 0.318 | 0.404 | 0.580 | 0.569 | 0.503 | 0.767 | 0.041 | 3.327 | 43.468 |
| 20 | 0.000 | 0.000 | 0.021 | 0.176 | 0.418 | 0.487 | 0.580 | 0.654 | 0.659 | 0.851 | 0.037 | 3.881 | 47.350 |
| 21 | 0.000 | 0.002 | 0.040 | 0.254 | 0.589 | 0.755 | 0.928 | 0.928 | 0.675 | 0.911 | 0.023 | 5.501 | 52.850 |
| 22 | 0.000 | 0.001 | 0.029 | 0.195 | 0.398 | 0.548 | 0.708 | 0.671 | 0.644 | 0.913 | 0.030 | 4.138 | 56.988 |
| 23 | 0.000 | 0.000 | 0.027 | 0.144 | 0.287 | 0.456 | 0.547 | 0.530 | 0.580 | 0.916 | 0.040 | 3.529 | 60.517 |
| 24 | 0.001 | 0.000 | 0.028 | 0.173 | 0.313 | 0.430 | 0.561 | 0.572 | 0.631 | 1.060 | 0.026 | 3.796 | 64.312 |
| 25 | 0.000 | 0.000 | 0.014 | 0.110 | 0.246 | 0.344 | 0.400 | 0.530 | 0.617 | 0.811 | 0.029 | 3.103 | 67.415 |
| 26 | 0.000 | 0.001 | 0.022 | 0.116 | 0.249 | 0.395 | 0.433 | 0.633 | 0.675 | 0.911 | 0.034 | 3.472 | 70.887 |
| 27 | 0.000 | 0.002 | 0.034 | 0.144 | 0.336 | 0.456 | 0.578 | 0.738 | 0.833 | 0.988 | 0.043 | 4.151 | 75.037 |
| 28 | 0.000 | 0.000 | 0.031 | 0.129 | 0.233 | 0.326 | 0.465 | 0.554 | 0.547 | 0.629 | 0.032 | 2.948 | 77.985 |
| 29 | 0.000 | 0.001 | 0.027 | 0.143 | 0.294 | 0.316 | 0.440 | 0.535 | 0.535 | 0.490 | 0.027 | 2.807 | 80.792 |
| 30 | 0.000 | 0.001 | 0.030 | 0.167 | 0.348 | 0.468 | 0.573 | 0.587 | 0.583 | 0.611 | 0.014 | 1.382 | 84.174 |
| 31 | 0.000 | 0.002 | 0.024 | 0.118 | 0.242 | 0.322 | 0.417 | 0.476 | 0.407 | 0.472 | 0.019 | 2.499 | 86.673 |
| 32 | 0.000 | 0.001 | 0.016 | 0.084 | 0.185 | 0.287 | 0.392 | 0.386 | 0.411 | 0.447 | 0.017 | 2.226 | 88.899 |
| 33 | 0.000 | 0.000 | 0.021 | 0.103 | 0.256 | 0.358 | 0.491 | 0.570 | 0.592 | 0.711 | 0.025 | 3.137 | 92.035 |
| 34 | 0.000 | 0.000 | 0.017 | 0.065 | 0.171 | 0.242 | 0.329 | 0.391 | 0.408 | 0.539 | 0.030 | 2.192 | 94.226 |
| 35 | 0.000 | 0.000 | 0.008 | 0.047 | 0.146 | 0.226 | 0.321 | 0.354 | 0.421 | 0.678 | 0.024 | 2.224 | 96.452 |
| 36 | 0.000 | 0.000 | 0.002 | 0.025 | 0.090 | 0.148 | 0.248 | 0.334 | 0.484 | 0.849 | 0.014 | 2.193 | 98.646 |
| MISSING | 0.000 | 0.001 | 0.012 | 0.088 | 0.231 | 0.175 | 0.172 | 0.162 | 0.221 | 0.272 | 0.021 | 1.354 | 100.000 |
| TOTAL | 0.001 | 0.021 | 0.602 | 3.665 | 8.522 | 11.658 | 14.548 | 16.358 | 17.632 | 26.107 | 0.886 | 100.000 | |
| CUMUL TOTAL | 0.001 | 0.021 | 0.624 | 4.288 | 12.810 | 24.468 | 39.016 | 55.374 | 73.007 | 99.114 | 100.000 | | |

NUMBER OF OBSERVATIONS = 131496

150-FOOT LEVEL ALL YEARS 1950-1964

| DIRECTION 36 POINTS | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|----------------|---------|
| | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | | | MISSING |
| CALM | 0.000 | 0.000 | 0.001 | 0.013 | 0.043 | 0.053 | 0.048 | 0.068 | 0.084 | 0.265 | 0.007 | 0.581 | 0.581 |
| 1 | 0.000 | 0.001 | 0.004 | 0.036 | 0.104 | 0.160 | 0.225 | 0.302 | 0.393 | 0.710 | 0.012 | 1.947 | 2.528 |
| 2 | 0.000 | 0.000 | 0.011 | 0.049 | 0.134 | 0.169 | 0.265 | 0.306 | 0.395 | 0.805 | 0.020 | 2.153 | 4.681 |
| 3 | 0.000 | 0.002 | 0.010 | 0.094 | 0.221 | 0.335 | 0.359 | 0.451 | 0.543 | 1.070 | 0.024 | 3.109 | 7.790 |
| 4 | 0.000 | 0.002 | 0.009 | 0.065 | 0.146 | 0.232 | 0.282 | 0.317 | 0.418 | 0.806 | 0.039 | 2.316 | 10.106 |
| 5 | 0.000 | 0.002 | 0.010 | 0.075 | 0.153 | 0.193 | 0.244 | 0.253 | 0.389 | 0.673 | 0.040 | 2.032 | 12.138 |
| 6 | 0.000 | 0.002 | 0.008 | 0.084 | 0.222 | 0.293 | 0.332 | 0.366 | 0.436 | 0.773 | 0.024 | 2.539 | 14.677 |
| 7 | 0.000 | 0.002 | 0.011 | 0.078 | 0.188 | 0.246 | 0.280 | 0.322 | 0.364 | 0.621 | 0.017 | 2.129 | 16.806 |
| 8 | 0.000 | 0.000 | 0.012 | 0.062 | 0.191 | 0.291 | 0.297 | 0.287 | 0.353 | 0.586 | 0.012 | 2.092 | 18.898 |
| 9 | 0.000 | 0.001 | 0.008 | 0.060 | 0.195 | 0.313 | 0.333 | 0.384 | 0.356 | 0.702 | 0.011 | 2.364 | 21.262 |
| 10 | 0.000 | 0.000 | 0.005 | 0.041 | 0.133 | 0.205 | 0.227 | 0.252 | 0.290 | 0.505 | 0.012 | 1.670 | 22.932 |
| 11 | 0.000 | 0.000 | 0.007 | 0.049 | 0.120 | 0.164 | 0.194 | 0.202 | 0.258 | 0.474 | 0.011 | 1.478 | 24.411 |
| 12 | 0.000 | 0.000 | 0.008 | 0.052 | 0.135 | 0.178 | 0.224 | 0.293 | 0.387 | 0.595 | 0.012 | 1.884 | 26.295 |
| 13 | 0.000 | 0.000 | 0.013 | 0.042 | 0.162 | 0.132 | 0.215 | 0.275 | 0.318 | 0.481 | 0.005 | 1.582 | 27.877 |
| 14 | 0.000 | 0.000 | 0.008 | 0.051 | 0.118 | 0.188 | 0.250 | 0.299 | 0.335 | 0.510 | 0.017 | 1.774 | 29.651 |
| 15 | 0.000 | 0.000 | 0.018 | 0.100 | 0.268 | 0.270 | 0.371 | 0.401 | 0.414 | 0.625 | 0.021 | 2.429 | 32.080 |
| 16 | 0.000 | 0.000 | 0.011 | 0.083 | 0.200 | 0.243 | 0.316 | 0.296 | 0.342 | 0.508 | 0.020 | 2.018 | 34.098 |
| 17 | 0.000 | 0.000 | 0.006 | 0.078 | 0.226 | 0.332 | 0.360 | 0.368 | 0.370 | 0.566 | 0.015 | 2.319 | 36.418 |
| 18 | 0.000 | 0.000 | 0.014 | 0.129 | 0.314 | 0.475 | 0.527 | 0.608 | 0.559 | 0.832 | 0.042 | 3.499 | 39.917 |
| 19 | 0.000 | 0.000 | 0.025 | 0.177 | 0.461 | 0.529 | 0.688 | 0.677 | 0.598 | 0.917 | 0.043 | 4.056 | 43.972 |
| 20 | 0.000 | 0.001 | 0.027 | 0.174 | 0.416 | 0.557 | 0.696 | 0.714 | 0.700 | 0.936 | 0.040 | 4.260 | 48.233 |
| 21 | 0.000 | 0.002 | 0.037 | 0.271 | 0.532 | 0.684 | 0.878 | 0.929 | 0.922 | 1.180 | 0.021 | 5.457 | 53.690 |
| 22 | 0.000 | 0.000 | 0.030 | 0.154 | 0.389 | 0.522 | 0.650 | 0.709 | 0.623 | 0.914 | 0.040 | 4.031 | 57.720 |
| 23 | 0.000 | 0.000 | 0.027 | 0.135 | 0.303 | 0.446 | 0.554 | 0.573 | 0.589 | 0.936 | 0.041 | 3.604 | 61.324 |
| 24 | 0.001 | 0.000 | 0.018 | 0.182 | 0.346 | 0.499 | 0.583 | 0.592 | 0.712 | 1.064 | 0.027 | 4.024 | 65.349 |
| 25 | 0.000 | 0.000 | 0.011 | 0.104 | 0.259 | 0.366 | 0.420 | 0.510 | 0.548 | 0.802 | 0.028 | 3.047 | 68.396 |
| 26 | 0.000 | 0.002 | 0.019 | 0.122 | 0.265 | 0.334 | 0.413 | 0.559 | 0.632 | 0.791 | 0.034 | 3.170 | 71.566 |
| 27 | 0.000 | 0.000 | 0.042 | 0.152 | 0.304 | 0.452 | 0.552 | 0.692 | 0.756 | 0.903 | 0.033 | 3.889 | 75.456 |
| 28 | 0.000 | 0.000 | 0.031 | 0.123 | 0.225 | 0.305 | 0.409 | 0.514 | 0.504 | 0.583 | 0.026 | 2.720 | 78.176 |
| 29 | 0.000 | 0.000 | 0.026 | 0.125 | 0.281 | 0.319 | 0.439 | 0.531 | 0.500 | 0.553 | 0.028 | 2.800 | 80.976 |
| 30 | 0.000 | 0.002 | 0.032 | 0.172 | 0.358 | 0.424 | 0.545 | 0.567 | 0.586 | 0.627 | 0.014 | 3.329 | 84.304 |
| 31 | 0.000 | 0.001 | 0.018 | 0.110 | 0.216 | 0.339 | 0.437 | 0.461 | 0.442 | 0.479 | 0.015 | 2.519 | 86.823 |
| 32 | 0.000 | 0.000 | 0.017 | 0.085 | 0.220 | 0.287 | 0.351 | 0.437 | 0.458 | 0.485 | 0.018 | 2.359 | 89.182 |
| 33 | 0.000 | 0.002 | 0.027 | 0.096 | 0.231 | 0.348 | 0.487 | 0.538 | 0.506 | 0.662 | 0.024 | 2.920 | |

Table 307. Joint Percentage Frequency Distribution of 2-hour, 11-hour and 23-hour Range of 19-foot Wind Speed (mph) and of Relative Humidity in Percent. January 1950-December 1964

2 HOUR TIME INTERVAL
YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 19-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------|-------|---------|-------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | | |
| 0-4 | 4.663 | 12.207 | 12.801 | 7.660 | 4.644 | 2.087 | 1.156 | 0.501 | 0.274 | 0.140 | 0.121 | 0.062 | 0.012 | 0.216 | 46.54 | |
| 5-9 | 7.439 | 6.433 | 7.025 | 4.501 | 2.910 | 1.417 | 0.865 | 0.388 | 0.244 | 0.106 | 0.110 | 0.032 | 0.009 | 0.109 | 26.59 | |
| 10-14 | 1.011 | 2.962 | 3.382 | 2.354 | 1.637 | 0.878 | 0.525 | 0.287 | 0.172 | 0.086 | 0.072 | 0.033 | 0.008 | 0.050 | 13.46 | |
| 15-19 | 0.411 | 1.232 | 1.579 | 1.126 | 0.859 | 0.498 | 0.288 | 0.165 | 0.090 | 0.056 | 0.063 | 0.024 | 0.010 | 0.019 | 6.42 | |
| 20-24 | 0.215 | 0.580 | 0.736 | 0.575 | 0.466 | 0.259 | 0.170 | 0.085 | 0.046 | 0.026 | 0.026 | 0.020 | 0.013 | 0.014 | 3.23 | |
| 25-29 | 0.077 | 0.237 | 0.316 | 0.281 | 0.206 | 0.131 | 0.088 | 0.049 | 0.033 | 0.020 | 0.019 | 0.009 | 0.005 | 0.003 | 1.47 | |
| 30-34 | 0.033 | 0.113 | 0.160 | 0.134 | 0.116 | 0.066 | 0.040 | 0.033 | 0.021 | 0.014 | 0.014 | 0.005 | 0.005 | 0.001 | 0.76 | |
| 35-39 | 0.011 | 0.050 | 0.068 | 0.053 | 0.041 | 0.029 | 0.024 | 0.009 | 0.005 | 0.005 | 0.005 | 0.013 | 0.006 | 0.000 | 0.32 | |
| 40-49 | 0.005 | 0.024 | 0.044 | 0.034 | 0.025 | 0.017 | 0.023 | 0.009 | 0.005 | 0.005 | 0.005 | 0.006 | 0.006 | 0.000 | 0.20 | |
| 50-59 | 0.004 | 0.002 | 0.004 | 0.008 | 0.007 | 0.002 | 0.002 | 0.002 | 0.002 | 0.001 | 0.002 | 0.002 | 0.002 | 0.000 | 0.04 | |
| 60-69 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | |
| 70-79 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | |
| ≥80 | 0.001 | 0.001 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | |
| MISSING | 0.086 | 0.230 | 0.229 | 0.170 | 0.105 | 0.056 | 0.026 | 0.018 | 0.006 | 0.005 | 0.008 | 0.002 | 0.004 | 0.015 | 0.96 | |
| TOTAL | 8.956 | 24.070 | 26.345 | 16.897 | 11.016 | 5.441 | 3.207 | 1.548 | 0.893 | 0.464 | 0.448 | 0.208 | 0.075 | 0.427 | 100.00 | |

NUMBER OF OBSERVATIONS = 131494

11 HOUR TIME INTERVAL
ALL YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 19-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------|-------|---------|-------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | | |
| 0-4 | 0.000 | 0.011 | 0.096 | 0.278 | 0.537 | 0.597 | 0.706 | 0.498 | 0.460 | 0.314 | 0.416 | 0.237 | 0.082 | 0.044 | 4.28 | |
| 5-9 | 0.000 | 0.012 | 0.116 | 0.338 | 0.629 | 0.772 | 0.913 | 0.712 | 0.611 | 0.373 | 0.557 | 0.348 | 0.118 | 0.050 | 5.55 | |
| 10-14 | 0.000 | 0.009 | 0.159 | 0.539 | 1.138 | 1.200 | 1.429 | 1.113 | 0.984 | 0.703 | 0.895 | 0.580 | 0.204 | 0.061 | 9.01 | |
| 15-19 | 0.002 | 0.014 | 0.195 | 0.604 | 1.183 | 1.408 | 1.542 | 1.389 | 1.225 | 0.915 | 1.268 | 0.761 | 0.291 | 0.084 | 10.88 | |
| 20-24 | 0.001 | 0.017 | 0.188 | 0.614 | 1.262 | 1.557 | 1.761 | 1.513 | 1.402 | 1.001 | 1.496 | 0.850 | 0.398 | 0.079 | 12.14 | |
| 25-29 | 0.000 | 0.014 | 0.171 | 0.572 | 1.155 | 1.529 | 1.662 | 1.593 | 1.440 | 1.029 | 1.475 | 1.012 | 0.429 | 0.110 | 12.19 | |
| 30-34 | 0.001 | 0.018 | 0.167 | 0.530 | 1.071 | 1.385 | 1.581 | 1.470 | 1.400 | 1.027 | 1.466 | 0.874 | 0.392 | 0.099 | 11.48 | |
| 35-39 | 0.000 | 0.008 | 0.116 | 0.399 | 0.888 | 1.174 | 1.383 | 1.219 | 1.179 | 0.913 | 1.396 | 0.859 | 0.390 | 0.065 | 9.99 | |
| 40-49 | 0.000 | 0.008 | 0.175 | 0.645 | 1.402 | 1.808 | 2.126 | 1.764 | 1.628 | 1.358 | 1.903 | 1.313 | 0.548 | 0.065 | 14.74 | |
| 50-59 | 0.000 | 0.011 | 0.063 | 0.304 | 0.651 | 0.821 | 1.007 | 0.833 | 0.803 | 0.506 | 0.798 | 0.596 | 0.304 | 0.038 | 6.73 | |
| 60-69 | 0.000 | 0.001 | 0.016 | 0.069 | 0.123 | 0.176 | 0.278 | 0.183 | 0.200 | 0.130 | 0.212 | 0.132 | 0.062 | 0.005 | 1.59 | |
| 70-79 | 0.000 | 0.000 | 0.002 | 0.005 | 0.018 | 0.016 | 0.028 | 0.016 | 0.024 | 0.018 | 0.021 | 0.005 | 0.006 | 0.000 | 0.16 | |
| ≥80 | 0.000 | 0.000 | 0.000 | 0.001 | 0.004 | 0.005 | 0.000 | 0.000 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 | |
| MISSING | 0.000 | 0.000 | 0.013 | 0.065 | 0.154 | 0.139 | 0.141 | 0.163 | 0.145 | 0.108 | 0.122 | 0.088 | 0.072 | 0.036 | 1.25 | |
| TOTAL | 0.003 | 0.125 | 1.477 | 4.962 | 10.215 | 12.585 | 14.559 | 12.467 | 11.503 | 8.396 | 12.024 | 7.653 | 3.296 | 0.735 | 100.00 | |

NUMBER OF OBSERVATIONS = 131485

23 HOUR TIME INTERVAL
ALL YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 19-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|--------|-------|---------|-------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | | |
| 0-4 | 0.000 | 0.000 | 0.000 | 0.003 | 0.017 | 0.046 | 0.081 | 0.085 | 0.145 | 0.091 | 0.290 | 0.228 | 0.114 | 0.027 | 1.12 | |
| 5-9 | 0.000 | 0.000 | 0.000 | 0.020 | 0.046 | 0.068 | 0.123 | 0.102 | 0.106 | 0.106 | 0.307 | 0.237 | 0.180 | 0.027 | 1.22 | |
| 10-14 | 0.000 | 0.000 | 0.000 | 0.011 | 0.084 | 0.092 | 0.212 | 0.244 | 0.446 | 0.284 | 0.580 | 0.509 | 0.370 | 0.017 | 2.85 | |
| 15-19 | 0.000 | 0.000 | 0.002 | 0.006 | 0.056 | 0.162 | 0.386 | 0.453 | 0.568 | 0.468 | 0.872 | 0.883 | 0.602 | 0.065 | 4.52 | |
| 20-24 | 0.000 | 0.000 | 0.000 | 0.018 | 0.095 | 0.217 | 0.440 | 0.567 | 0.792 | 0.644 | 1.479 | 1.425 | 0.838 | 0.067 | 6.58 | |
| 25-29 | 0.000 | 0.000 | 0.009 | 0.018 | 0.100 | 0.239 | 0.520 | 0.720 | 0.992 | 0.975 | 1.864 | 1.954 | 1.294 | 0.142 | 8.83 | |
| 30-34 | 0.000 | 0.000 | 0.001 | 0.024 | 0.058 | 0.288 | 0.564 | 1.010 | 1.282 | 1.378 | 2.318 | 2.067 | 1.670 | 0.151 | 10.81 | |
| 35-39 | 0.000 | 0.000 | 0.005 | 0.018 | 0.093 | 0.270 | 0.720 | 1.015 | 1.331 | 1.314 | 2.884 | 2.486 | 1.813 | 0.128 | 12.08 | |
| 40-49 | 0.000 | 0.000 | 0.014 | 0.057 | 0.230 | 0.890 | 1.703 | 2.150 | 2.567 | 2.901 | 5.799 | 5.425 | 3.357 | 0.214 | 25.31 | |
| 50-59 | 0.000 | 0.000 | 0.001 | 0.073 | 0.273 | 0.754 | 1.448 | 1.835 | 2.466 | 2.066 | 3.528 | 3.569 | 2.420 | 0.153 | 18.58 | |
| 60-69 | 0.000 | 0.000 | 0.000 | 0.025 | 0.086 | 0.185 | 0.427 | 0.519 | 0.727 | 0.647 | 1.295 | 1.145 | 0.677 | 0.062 | 5.80 | |
| 70-79 | 0.000 | 0.000 | 0.000 | 0.000 | 0.009 | 0.049 | 0.062 | 0.075 | 0.062 | 0.081 | 0.101 | 0.123 | 0.087 | 0.002 | 0.65 | |
| ≥80 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.013 | 0.011 | 0.001 | 0.000 | 0.010 | 0.005 | 0.003 | 0.000 | 0.000 | 0.04 | |
| MISSING | 0.000 | 0.000 | 0.000 | 0.001 | 0.027 | 0.071 | 0.108 | 0.117 | 0.154 | 0.143 | 0.347 | 0.306 | 0.265 | 0.070 | 1.61 | |
| TOTAL | 0.000 | 0.000 | 0.032 | 0.255 | 1.148 | 3.322 | 6.750 | 8.914 | 11.635 | 11.109 | 21.665 | 20.361 | 13.685 | 1.124 | 100.00 | |

NUMBER OF OBSERVATIONS = 131473

Table 308. Joint Percentage Frequency Distribution of 2-hour, 11-hour and 23-hour Range of 150-foot Wind Speed (mph) and of Relative Humidity in Percent. January 1950-December 1964.

2 HOUR TIME INTERVAL
ALL YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 150-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------|---------|--------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | |
| 0-4 | 2.615 | 8.410 | 10.971 | 8.426 | 6.254 | 3.576 | 2.459 | 1.322 | 0.841 | 0.440 | 0.497 | 0.235 | 0.094 | 0.403 | 46.54 |
| 5-9 | 1.443 | 4.695 | 5.966 | 4.813 | 3.666 | 2.119 | 1.492 | 0.809 | 0.568 | 0.295 | 0.320 | 0.146 | 0.059 | 0.196 | 26.59 |
| 10-14 | 0.664 | 2.196 | 2.887 | 2.286 | 1.942 | 1.181 | 0.805 | 0.484 | 0.365 | 0.199 | 0.222 | 0.099 | 0.049 | 0.078 | 13.46 |
| 15-19 | 0.311 | 0.906 | 1.304 | 1.076 | 0.929 | 0.607 | 0.450 | 0.258 | 0.174 | 0.106 | 0.129 | 0.072 | 0.050 | 0.049 | 6.42 |
| 20-24 | 0.119 | 0.433 | 0.625 | 0.554 | 0.473 | 0.325 | 0.231 | 0.144 | 0.097 | 0.062 | 0.068 | 0.044 | 0.038 | 0.019 | 3.23 |
| 25-29 | 0.037 | 0.169 | 0.252 | 0.274 | 0.212 | 0.145 | 0.134 | 0.068 | 0.062 | 0.030 | 0.040 | 0.025 | 0.018 | 0.008 | 1.47 |
| 30-34 | 0.024 | 0.085 | 0.108 | 0.130 | 0.097 | 0.083 | 0.069 | 0.042 | 0.034 | 0.021 | 0.021 | 0.020 | 0.014 | 0.008 | 0.76 |
| 35-39 | 0.006 | 0.026 | 0.043 | 0.054 | 0.053 | 0.039 | 0.028 | 0.014 | 0.009 | 0.008 | 0.010 | 0.008 | 0.017 | 0.005 | 0.32 |
| 40-49 | 0.002 | 0.016 | 0.031 | 0.022 | 0.043 | 0.014 | 0.016 | 0.010 | 0.014 | 0.008 | 0.010 | 0.008 | 0.008 | 0.002 | 0.20 |
| 50-59 | 0.002 | 0.004 | 0.002 | 0.005 | 0.005 | 0.007 | 0.004 | 0.002 | 0.001 | 0.002 | 0.001 | 0.001 | 0.006 | 0.001 | 0.04 |
| 60-69 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.001 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| 70-79 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| ≥80 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| MISSING | 0.051 | 0.151 | 0.208 | 0.157 | 0.132 | 0.104 | 0.045 | 0.038 | 0.027 | 0.011 | 0.010 | 0.006 | 0.007 | 0.012 | 0.96 |
| TOTAL | 5.273 | 17.091 | 22.397 | 17.798 | 13.805 | 8.200 | 5.736 | 3.191 | 2.192 | 1.183 | 1.327 | 0.664 | 0.360 | 0.782 | 100.00 |

NUMBER OF OBSERVATIONS = 131494

11 HOUR TIME INTERVAL
ALL YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 150-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|-------|---------|--------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | |
| 0-4 | 0.000 | 0.001 | 0.022 | 0.071 | 0.257 | 0.310 | 0.477 | 0.443 | 0.484 | 0.386 | 0.706 | 0.626 | 0.414 | 0.079 | 4.28 |
| 5-9 | 0.000 | 0.000 | 0.028 | 0.085 | 0.310 | 0.423 | 0.639 | 0.649 | 0.691 | 0.514 | 0.808 | 0.764 | 0.542 | 0.098 | 5.55 |
| 10-14 | 0.000 | 0.002 | 0.038 | 0.184 | 0.533 | 0.767 | 0.998 | 1.085 | 1.044 | 0.869 | 1.411 | 1.143 | 0.813 | 0.126 | 9.01 |
| 15-19 | 0.000 | 0.004 | 0.043 | 0.248 | 0.633 | 0.883 | 1.179 | 1.216 | 1.301 | 0.982 | 1.656 | 1.543 | 1.006 | 0.184 | 10.88 |
| 20-24 | 0.000 | 0.002 | 0.047 | 0.273 | 0.694 | 1.031 | 1.409 | 1.386 | 1.478 | 1.061 | 1.901 | 1.634 | 1.100 | 0.123 | 12.14 |
| 25-29 | 0.000 | 0.002 | 0.047 | 0.236 | 0.656 | 1.003 | 1.348 | 1.336 | 1.381 | 1.176 | 1.885 | 1.745 | 1.229 | 0.148 | 12.19 |
| 30-34 | 0.000 | 0.002 | 0.030 | 0.198 | 0.576 | 0.954 | 1.286 | 1.296 | 1.398 | 1.158 | 1.756 | 1.605 | 1.101 | 0.122 | 11.48 |
| 35-39 | 0.000 | 0.002 | 0.043 | 0.180 | 0.548 | 0.833 | 1.056 | 1.089 | 1.158 | 1.014 | 1.558 | 1.403 | 1.044 | 0.059 | 9.99 |
| 40-49 | 0.000 | 0.004 | 0.040 | 0.265 | 0.679 | 1.229 | 1.612 | 1.571 | 1.801 | 1.374 | 2.340 | 2.161 | 1.509 | 0.160 | 14.74 |
| 50-59 | 0.000 | 0.002 | 0.010 | 0.106 | 0.265 | 0.485 | 0.763 | 0.771 | 0.821 | 0.676 | 1.139 | 0.911 | 0.697 | 0.089 | 6.73 |
| 60-69 | 0.000 | 0.000 | 0.000 | 0.011 | 0.078 | 0.096 | 0.161 | 0.193 | 0.190 | 0.178 | 0.275 | 0.233 | 0.154 | 0.016 | 1.59 |
| 70-79 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.014 | 0.026 | 0.018 | 0.021 | 0.021 | 0.017 | 0.024 | 0.014 | 0.000 | 0.16 |
| ≥80 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.001 | 0.005 | 0.002 | 0.000 | 0.000 | 0.000 | 0.01 |
| MISSING | 0.000 | 0.000 | 0.002 | 0.029 | 0.039 | 0.065 | 0.151 | 0.178 | 0.167 | 0.117 | 0.168 | 0.133 | 0.171 | 0.026 | 1.25 |
| TOTAL | 0.000 | 0.021 | 0.350 | 1.885 | 5.272 | 8.094 | 11.108 | 11.232 | 11.935 | 9.531 | 15.622 | 13.926 | 9.794 | 1.231 | 100.00 |

NUMBER OF OBSERVATIONS = 131485

23 HOUR TIME INTERVAL
ALL YEARS 1950-1964

| RANGE OF HUMIDITY | RANGE OF 150-FOOT WIND SPEED (MPH) | | | | | | | | | | | | | MISSING | TOTAL |
|-------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|--------|---------|--------|
| | 0.0 -0.9 | 1.0 -1.9 | 2.0 -2.9 | 3.0 -3.9 | 4.0 -4.9 | 5.0 -5.9 | 6.0 -6.9 | 7.0 -7.9 | 8.0 -8.9 | 9.0 -9.9 | 10.0 -11.9 | 12.0 -14.9 | ≥15.0 | | |
| 0-4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.010 | 0.028 | 0.015 | 0.054 | 0.056 | 0.235 | 0.322 | 0.382 | 0.018 | 1.12 |
| 5-9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.007 | 0.033 | 0.032 | 0.059 | 0.065 | 0.160 | 0.334 | 0.470 | 0.054 | 1.22 |
| 10-14 | 0.000 | 0.000 | 0.000 | 0.000 | 0.013 | 0.030 | 0.064 | 0.131 | 0.191 | 0.202 | 0.493 | 0.736 | 0.920 | 0.068 | 2.85 |
| 15-19 | 0.000 | 0.000 | 0.000 | 0.001 | 0.014 | 0.025 | 0.127 | 0.240 | 0.267 | 0.346 | 0.707 | 1.056 | 1.571 | 0.167 | 4.52 |
| 20-24 | 0.000 | 0.000 | 0.000 | 0.000 | 0.028 | 0.056 | 0.155 | 0.302 | 0.448 | 0.504 | 1.018 | 1.610 | 2.278 | 0.183 | 6.58 |
| 25-29 | 0.000 | 0.000 | 0.000 | 0.002 | 0.014 | 0.094 | 0.266 | 0.369 | 0.507 | 0.672 | 1.436 | 2.140 | 3.101 | 0.227 | 8.83 |
| 30-34 | 0.000 | 0.000 | 0.000 | 0.002 | 0.036 | 0.103 | 0.232 | 0.461 | 0.730 | 0.797 | 1.892 | 2.678 | 3.682 | 0.198 | 10.81 |
| 35-39 | 0.000 | 0.000 | 0.000 | 0.002 | 0.035 | 0.111 | 0.348 | 0.637 | 0.815 | 0.933 | 2.242 | 2.795 | 4.018 | 0.140 | 12.08 |
| 40-49 | 0.000 | 0.000 | 0.000 | 0.005 | 0.057 | 0.227 | 0.713 | 1.052 | 1.826 | 2.214 | 4.666 | 6.253 | 7.993 | 0.301 | 25.31 |
| 50-59 | 0.000 | 0.000 | 0.000 | 0.010 | 0.044 | 0.144 | 0.512 | 0.812 | 1.508 | 1.663 | 3.706 | 4.656 | 5.231 | 0.298 | 18.58 |
| 60-69 | 0.000 | 0.000 | 0.000 | 0.002 | 0.004 | 0.033 | 0.103 | 0.208 | 0.446 | 0.529 | 1.144 | 1.614 | 1.625 | 0.088 | 5.80 |
| 70-79 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.003 | 0.015 | 0.033 | 0.053 | 0.053 | 0.106 | 0.163 | 0.222 | 0.003 | 0.65 |
| ≥80 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.005 | 0.022 | 0.009 | 0.002 | 0.000 | 0.04 |
| MISSING | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.006 | 0.026 | 0.060 | 0.089 | 0.187 | 0.306 | 0.357 | 0.535 | 0.044 | 1.61 |
| TOTAL | 0.000 | 0.000 | 0.000 | 0.023 | 0.250 | 0.850 | 2.623 | 4.354 | 6.996 | 8.227 | 18.134 | 24.724 | 32.031 | 1.789 | 100.00 |

NUMBER OF OBSERVATIONS = 131473

Section 2.5

Relationship between Air Temperature, Relative Humidity,
Dewpoint Temperature, and Wet Bulb Temperature

Tables 309 through 321. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature ($^{\circ}\text{F}$) for Specified Hours of the Day. Monthly and Total Period. January 1950–December 1964.

These tables present the percentage frequency of occurrence of specific combinations of relative humidity and air temperature during the periods, 0100-0600, 0700-1200, 1300-1800 and 1900-2400 CST. The simultaneous occurrence of high values of temperature and relative humidity may contribute to the corrosion of metallic surfaces; this information is of value to users of electrical equipment containing relays or unsealed switches. Inversely, the very low relative humidity conditions which result from indoor warming of the cold, dry outdoor air affect adversely activities where sparking due to the build-up of high static electrical potentials is a problem.

During the winter months colder temperatures are associated with low relative humidities, but during the summer months it is the warmer temperatures which are associated with low humidities.

Tables 322 through 328. Joint Percentage Frequency Distribution of 5.5-foot Temperature ($^{\circ}\text{F}$) and 5-foot Dewpoint Temperature ($^{\circ}\text{F}$). Monthly and Total Period. January 1950–December 1964.

These tables provide information similar to that in the previous set except that dewpoint temperature instead of relative humidity is used. Since the air temperature forms an upper bound for the dewpoint temperature these tables form a triangular matrix. Table 328 shows that the annual frequency distribution of the dewpoint as well as that of the ambient air temperature is bimodal.

Tables 329 through 338. Average Number of Hourly Observations per Year of Wet Bulb Temperature Exceeding 64, 67, 68, 69, 70, 71, 72, 73, 74 and 79 $^{\circ}\text{F}$ at Specified Air Temperatures.

The data in these tables are valuable for designing cooling towers and air conditioning systems that depend on evaporative cooling.

Table 339. Joint Percentage Frequency Distribution of 2-hour, 11-hour and 23-hour Range of 5-foot Relative Humidity in Percent and of 5.5-foot Temperature ($^{\circ}\text{F}$). Total Period. January 1950–December 1964.

Since relative humidity is a function of temperature for a given concentration of water vapor in air, variations in temperature accompany variations in relative humidity. The covariance is shown by these tables.

Table 309. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. January 1950-1964. Number of Observations, 2790

| | | HOURS 0100-0600 | | | | | | HOURS 0700-1200 | | | | | | | | | | |
|------------------|------|-----------------|-------|-------|-------|-------|-------|-----------------|---------|-------|-------|-------|-------|---------|-------|-------|---------|--------|
| | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | ≥ 90 | | MISSING | | TOTAL | | |
| TEMPERATURE (°F) | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0.36 | 1.58 | 7.13 | 17.56 | 28.17 | 44.55 | 0.65 | 100.00 | 0.22 | 1.08 | 5.59 | 15.30 | 20.72 | 21.90 | 34.27 | 0.93 | 100.00 |

| | | HOURS 1300-1800 | | | | | | HOURS 1900-2400 | | | | | | | | | | |
|------------------|------|-----------------|-------|-------|-------|-------|-------|-----------------|---------|-------|-------|-------|-------|---------|-------|-------|---------|--------|
| | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | ≥ 90 | | MISSING | | TOTAL | | |
| TEMPERATURE (°F) | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.90 | 4.34 | 13.19 | 22.15 | 20.25 | 16.70 | 21.72 | 0.75 | 100.00 | 0.00 | 0.68 | 2.26 | 9.68 | 20.43 | 27.74 | 38.60 | 0.61 | 100.00 |

Table 310. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. February 1950-1964. Number of Observations, 2544

| TEMPERATURE (°F) | HOURS 0100-0600 | | | | | HOURS 0700-1200 | | | | | TOTAL | | | | | | | |
|---------------------|-----------------|-------|-------|-------|-------|-----------------|-------|---------|--------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| TOTAL | 0.00 | 0.04 | 1.85 | 8.53 | 15.96 | 25.08 | 48.03 | 0.51 | 100.00 | 0.47 | 2.44 | 8.65 | 18.08 | 19.97 | 20.17 | 29.60 | 0.63 | 100.00 |

| TEMPERATURE (°F) | HOURS 1300-1800 | | | | | HOURS 1900-2400 | | | | | TOTAL | | | | | | | |
|---------------------|-----------------|-------|-------|-------|-------|-----------------|-------|---------|--------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5-9 | 0.04 | 0.28 | 1.22 | 4.09 | 8.64 | 15.96 | 25.08 | 48.03 | 0.47 | 2.44 | 8.65 | 18.08 | 19.97 | 20.17 | 29.60 | 0.63 | | |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| TOTAL | 1.73 | 7.08 | 16.51 | 22.17 | 21.31 | 15.09 | 15.45 | 0.67 | 100.00 | 0.04 | 0.67 | 3.81 | 11.32 | 21.23 | 27.08 | 35.34 | 0.51 | 100.00 |

Table 312. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. April 1950-1964. Number of Observations, 2700

| | | HOURS 0100-0600 | | | | | HOURS 0700-1200 | | | | | HOURS 1300-1800 | | | | | HOURS 1900-2400 | | | | | | | | | | | | | | | | | | | | |
|-------------|----------|---------------------|-------|------------------------------|-------|-------|-----------------|-------|---------------------|--------|------------------------------|-----------------|-------|-------|-------|---------------------|-----------------|------------------------------|--------|------|-------|-------|-------|-------|-------|-------|---------|--------|------|------|------|-------|-------|-------|-------|------|--------|
| | | TEMPERATURE (°F) | | RELATIVE HUMIDITY IN PERCENT | | | | | TEMPERATURE (°F) | | RELATIVE HUMIDITY IN PERCENT | | | | | TEMPERATURE (°F) | | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | | | | | | | | | |
| | | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | | | | | | | | | |
| TEMPERATURE | ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 30-34 | 0.00 | 0.04 | 0.04 | 1.07 | 2.52 | 4.26 | 4.15 | 8.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 35-39 | 0.00 | 0.15 | 1.04 | 2.33 | 3.21 | 4.15 | 6.07 | 6.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 40-44 | 0.00 | 0.37 | 1.11 | 2.48 | 2.89 | 2.93 | 6.22 | 16.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 45-49 | 0.00 | 0.48 | 1.07 | 2.41 | 1.96 | 2.48 | 5.15 | 13.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 50-54 | 0.00 | 0.33 | 1.30 | 0.78 | 1.30 | 1.07 | 3.59 | 8.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 55-59 | 0.11 | 0.26 | 0.48 | 0.41 | 0.59 | 0.44 | 3.93 | 6.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 60-64 | 0.00 | 0.11 | 0.26 | 0.37 | 0.52 | 1.33 | 1.89 | 4.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 65-69 | 0.00 | 0.00 | 0.00 | 0.11 | 0.07 | 0.41 | 0.33 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| TOTAL | | 0.11 | 1.74 | 6.89 | 12.70 | 17.56 | 19.81 | 39.41 | 1.78 | 100.00 | 0.11 | 1.74 | 6.89 | 12.70 | 17.56 | 19.81 | 39.41 | 1.78 | 100.00 | 0.11 | 1.74 | 6.89 | 12.70 | 17.56 | 19.81 | 39.41 | 1.78 | 100.00 | 0.11 | 1.74 | 6.89 | 12.70 | 17.56 | 19.81 | 39.41 | 1.78 | 100.00 |

Table 313. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. May 1950-1964. Number of Observations, 2790

| HOURS 0100-0600 | | | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|------|---------|------|-------|-------|-------|-------|-------|-------|------|---------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 30-34 | 0.00 | 0.00 | 0.04 | 0.04 | 0.39 | 0.86 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35-39 | 0.00 | 0.00 | 0.25 | 0.93 | 2.04 | 2.76 | 4.30 | 0.43 | 10.72 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | | |
| 40-44 | 0.00 | 0.07 | 0.65 | 1.76 | 1.90 | 3.12 | 4.37 | 0.57 | 12.44 | 2.83 | 0.36 | 0.61 | 0.04 | 0.00 | 0.00 | 1.83 | | |
| 45-49 | 0.00 | 0.61 | 1.25 | 2.65 | 4.23 | 5.52 | 5.73 | 0.07 | 20.07 | 2.72 | 0.50 | 0.75 | 0.36 | 0.25 | 0.00 | 3.76 | | |
| 50-54 | 0.00 | 0.22 | 1.08 | 3.15 | 2.97 | 3.48 | 8.03 | 0.61 | 19.53 | 1.68 | 1.58 | 1.47 | 1.61 | 1.08 | 0.25 | 8.92 | | |
| 55-59 | 0.00 | 0.22 | 1.25 | 1.90 | 1.97 | 1.76 | 4.70 | 0.57 | 12.37 | 2.83 | 3.05 | 2.61 | 2.61 | 1.58 | 0.29 | 16.59 | | |
| 60-64 | 0.00 | 0.04 | 0.43 | 1.51 | 2.22 | 1.65 | 5.95 | 0.32 | 12.11 | 2.72 | 2.80 | 2.80 | 2.61 | 1.83 | 0.32 | 17.03 | | |
| 65-69 | 0.00 | 0.04 | 0.14 | 0.86 | 1.94 | 2.04 | 2.90 | 0.25 | 8.17 | 2.76 | 2.80 | 2.58 | 1.97 | 1.68 | 1.65 | 0.43 | | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.25 | 0.47 | 0.57 | 0.07 | 0.00 | 1.36 | 2.01 | 1.97 | 2.40 | 2.26 | 1.54 | 1.18 | 0.43 | | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.40 | 1.68 | 1.56 | 0.14 | 0.22 | 12.40 | | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.93 | 1.22 | 0.86 | 0.67 | 0.00 | 0.14 | | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.11 | 0.11 | 0.11 | 0.00 | 0.00 | 0.14 | | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | | |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| TOTAL | 0.00 | 1.18 | 5.09 | 13.05 | 18.14 | 21.83 | 37.89 | 2.83 | 100.00 | 8.49 | 15.38 | 18.75 | 18.24 | 14.65 | 10.04 | 12.33 | 2.72 | 100.00 |

| HOURS 0700-1200 | | | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|------|---------|------|-------|-------|-------|-------|-------|-------|------|---------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 30-34 | 0.00 | 0.00 | 0.04 | 0.04 | 0.39 | 0.86 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 35-39 | 0.00 | 0.00 | 0.25 | 0.93 | 2.04 | 2.76 | 4.30 | 0.43 | 10.72 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | | |
| 40-44 | 0.00 | 0.07 | 0.65 | 1.76 | 1.90 | 3.12 | 4.37 | 0.57 | 12.44 | 2.83 | 0.36 | 0.61 | 0.04 | 0.00 | 0.00 | 1.83 | | |
| 45-49 | 0.00 | 0.61 | 1.25 | 2.65 | 4.23 | 5.52 | 5.73 | 0.07 | 20.07 | 2.72 | 0.50 | 0.75 | 0.36 | 0.25 | 0.00 | 3.76 | | |
| 50-54 | 0.00 | 0.22 | 1.08 | 3.15 | 2.97 | 3.48 | 8.03 | 0.61 | 19.53 | 1.68 | 1.58 | 1.47 | 1.61 | 1.08 | 0.25 | 8.92 | | |
| 55-59 | 0.00 | 0.22 | 1.25 | 1.90 | 1.97 | 1.76 | 4.70 | 0.57 | 12.37 | 2.83 | 3.05 | 2.61 | 2.61 | 1.58 | 0.29 | 16.59 | | |
| 60-64 | 0.00 | 0.04 | 0.43 | 1.51 | 2.22 | 1.65 | 5.95 | 0.32 | 12.11 | 2.72 | 2.80 | 2.80 | 2.61 | 1.83 | 0.32 | 17.03 | | |
| 65-69 | 0.00 | 0.04 | 0.14 | 0.86 | 1.94 | 2.04 | 2.90 | 0.25 | 8.17 | 2.76 | 2.80 | 2.58 | 1.97 | 1.68 | 1.65 | 0.43 | | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.25 | 0.47 | 0.57 | 0.07 | 0.00 | 1.36 | 2.01 | 1.97 | 2.40 | 2.26 | 1.54 | 1.18 | 0.43 | | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.40 | 1.68 | 1.56 | 0.14 | 0.22 | 12.40 | | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.93 | 1.22 | 0.86 | 0.67 | 0.00 | 0.14 | | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.11 | 0.11 | 0.11 | 0.00 | 0.00 | 0.14 | | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | | |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| TOTAL | 0.00 | 1.18 | 5.09 | 13.05 | 18.14 | 21.83 | 37.89 | 2.83 | 100.00 | 8.49 | 15.38 | 18.75 | 18.24 | 14.65 | 10.04 | 12.33 | 2.72 | 100.00 |

| HOURS 1300-1800 | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|------|---------|------|-------|-------|-------|-------|-------|-------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 35-39 | 0.00 | 0.00 | 0.25 | 0.93 | 2.04 | 2.76 | 4.30 | 0.43 | 10.72 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.14 | 0.32 | 0.18 | 0.14 | 0.25 | 0.18 | 0.18 | 0.29 | 1.51 | 1.08 | 1.51 | 1.08 | 1.04 | 0.14 | 1.04 |
| 45-49 | 0.29 | 1.25 | 0.97 | 0.86 | 0.39 | 0.57 | 1.58 | 0.29 | 6.20 | 2.72 | 0.50 | 0.75 | 0.36 | 2.08 | 0.82 | 5.38 |
| 50-54 | 1.00 | 1.83 | 2.37 | 1.79 | 0.97 | 0.86 | 1.94 | 0.14 | 10.90 | 1.68 | 1.58 | 1.47 | 1.61 | 1.08 | 0.25 | 16.06 |
| 55-59 | 2.22 | 3.01 | 2.54 | 1.79 | 1.2 | | | | | | | | | | | |

Table 314. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. June 1950-1964. Number of Observations, 2700

| HOURS 0700-1200 | | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | | MISSING | <40 | 40-49 | 50-59 | | 60-69 | 70-79 | 80-89 | ≥90 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.07 | 0.00 | 0.33 | 1.22 | 2.22 | 4.15 | 7.59 | 0.22 | 15.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 |
| 55-59 | 0.00 | 0.00 | 0.33 | 1.22 | 3.52 | 4.48 | 8.70 | 0.00 | 18.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.78 |
| 60-64 | 0.00 | 0.00 | 0.11 | 1.56 | 3.74 | 5.56 | 12.22 | 0.04 | 23.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.99 |
| 65-69 | 0.00 | 0.00 | 0.22 | 1.11 | 3.41 | 6.04 | 9.93 | 0.19 | 20.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.00 |
| 70-74 | 0.00 | 0.00 | 0.04 | 0.63 | 1.63 | 3.52 | 2.78 | 0.00 | 8.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.81 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.07 | 0.67 | 1.30 | 0.30 | 0.00 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.52 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.74 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.07 | 0.07 | 1.11 | 6.30 | 16.67 | 28.30 | 46.78 | 0.70 | 100.00 | 3.78 | 14.00 | 20.26 | 21.70 | 17.78 | 10.78 | 11.22 | 0.48 |
| HOURS 0100-0600 | | | | | | | | | | | | | | | | | |
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | | MISSING | <40 | 40-49 | 50-59 | | 60-69 | 70-79 | 80-89 | ≥90 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HOURS 1300-1800 | | | | | | | | | | | | | | | | | |
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | | MISSING | <40 | 40-49 | 50-59 | | 60-69 | 70-79 | 80-89 | ≥90 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |

Table 315. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. July 1950-1964. Number of Observations, 2790

| TEMPERATURE (°F) | | HOURS 0100-0600 | | | | | HOURS 0700-1200 | | | | | HOURS 1300-1800 | | | | | HOURS 1900-2400 | | | | | | | | | | | |
|------------------|------|-----------------|-------|-------|-------|-------|-----------------|------|---------|-------|-------|-----------------|-------|-------|-------|-------|-----------------|---------|-------|-------|-------|-------|-------|-------|-------|------|---------|-------|
| | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0.07 | 0.54 | 2.90 | 9.46 | 24.01 | 61.76 | 1.25 | 100.00 | 2.44 | 13.23 | 20.79 | 19.78 | 18.82 | 10.97 | 12.90 | 1.08 | 100.00 | 2.44 | 13.23 | 20.79 | 19.78 | 18.82 | 10.97 | 12.90 | 1.08 | 100.00 | |

Table 318. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. October 1950-1964. Number of Observations, 2790

| | | HOURS 0100-0600 | | | | | | HOURS 0700-1200 | | | | | | | | | | | | |
|-------------|------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|---------|------------------------------|------|------------------------------|-------|-------|-------|-------|-------|---------|-------|--------|
| | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | | | | | | | |
| | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | |
| TEMPERATURE | (°F) | | | | | | | | | | | | | | | | | | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | | 0.00 | 0.32 | 0.39 | 0.54 | 1.22 | 2.29 | 3.05 | 0.22 | 8.03 | 0.00 | 0.04 | 0.43 | 0.32 | 0.57 | 0.72 | 0.61 | 0.04 | 0.04 | 2.72 |
| 35-39 | | 0.00 | 0.43 | 0.18 | 1.11 | 1.40 | 4.01 | 6.02 | 0.18 | 13.33 | 0.00 | 0.29 | 0.79 | 0.68 | 1.15 | 1.25 | 1.65 | 0.04 | 0.04 | 5.67 |
| 40-44 | | 0.07 | 0.18 | 0.72 | 1.94 | 2.37 | 3.94 | 8.82 | 0.04 | 18.06 | 0.32 | 0.93 | 1.22 | 1.97 | 1.83 | 1.58 | 3.08 | 0.18 | 0.18 | 11.11 |
| 45-49 | | 0.36 | 0.50 | 0.86 | 2.26 | 2.54 | 3.55 | 8.17 | 0.00 | 18.24 | 0.07 | 1.54 | 2.37 | 2.19 | 2.64 | 2.22 | 3.48 | 0.04 | 0.04 | 13.94 |
| 50-54 | | 0.14 | 0.39 | 1.04 | 2.01 | 2.33 | 2.29 | 6.85 | 0.00 | 15.05 | 0.50 | 2.44 | 3.01 | 2.83 | 2.37 | 1.54 | 2.94 | 0.00 | 0.00 | 15.63 |
| 55-59 | | 0.00 | 0.47 | 1.04 | 0.97 | 2.19 | 2.47 | 5.41 | 0.00 | 12.54 | 0.00 | 1.94 | 2.47 | 2.51 | 1.54 | 1.79 | 3.05 | 0.00 | 0.00 | 14.66 |
| 60-64 | | 0.00 | 0.22 | 0.43 | 0.47 | 0.68 | 0.93 | 3.62 | 0.00 | 6.34 | 1.25 | 2.62 | 2.54 | 2.29 | 1.68 | 1.43 | 2.26 | 0.00 | 0.00 | 14.09 |
| 65-69 | | 0.00 | 0.14 | 0.11 | 0.25 | 0.32 | 0.72 | 1.58 | 0.00 | 3.12 | 1.15 | 2.22 | 2.33 | 1.51 | 1.18 | 0.90 | 1.72 | 0.00 | 0.00 | 11.00 |
| 70-74 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.39 | 0.00 | 0.65 | 0.97 | 1.47 | 1.68 | 0.79 | 0.39 | 0.32 | 0.32 | 0.00 | 0.00 | 5.95 |
| 75-79 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 1.15 | 0.50 | 0.36 | 0.22 | 0.04 | 0.00 | 0.00 | 0.00 | 3.12 |
| 80-84 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.22 | 0.07 | 0.14 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.86 |
| 85-89 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | | 0.57 | 2.65 | 4.80 | 9.71 | 13.91 | 22.04 | 45.88 | 0.43 | 100.00 | 6.52 | 14.84 | 17.46 | 15.59 | 13.62 | 12.15 | 19.39 | 0.43 | 0.43 | 100.00 |

| | | HOURS 1300-1800 | | | | | | HOURS 1900-2400 | | | | | | | | | | | | |
|-------------|------|------------------------------|-------|------------------------------|-------|------------------------------|-------|------------------------------|---------|------------------------------|------|------------------------------|-------|-------|-------|-------|-------|---------|-------|--------|
| | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | RELATIVE HUMIDITY IN PERCENT | | | | | | | | |
| | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥90 | MISSING | TOTAL | |
| TEMPERATURE | (°F) | | | | | | | | | | | | | | | | | | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10 - -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5 - -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | | 0.00 | 0.11 | 0.07 | 0.50 | 0.64 | 0.64 | 0.25 | 0.00 | 1.00 | 0.00 | 0.29 | 0.61 | 0.97 | 1.18 | 1.11 | 1.00 | 0.11 | 0.11 | 5.27 |
| 35-39 | | 0.22 | 0.57 | 0.47 | 0.82 | 0.68 | 0.82 | 0.82 | 0.00 | 3.62 | 0.22 | 0.53 | 0.57 | 1.36 | 1.22 | 1.86 | 2.76 | 0.11 | 0.11 | 8.53 |
| 40-44 | | 0.57 | 1.40 | 1.40 | 0.86 | 0.82 | 0.43 | 0.47 | 0.07 | 6.02 | 0.39 | 0.79 | 1.97 | 1.76 | 2.72 | 3.37 | 4.91 | 0.00 | 0.00 | 15.16 |
| 45-49 | | 0.82 | 2.37 | 2.37 | 1.86 | 1.15 | 1.36 | 2.11 | 0.14 | 12.19 | 1.11 | 1.83 | 2.44 | 2.44 | 2.62 | 3.73 | 6.13 | 0.00 | 0.00 | 18.21 |
| 50-54 | | 2.04 | 3.01 | 2.83 | 2.44 | 1.40 | 0.93 | 1.94 | 0.00 | 14.59 | 0.86 | 0.86 | 2.54 | 3.23 | 2.69 | 2.51 | 5.45 | 0.00 | 0.00 | 18.06 |
| 55-59 | | 3.01 | 2.72 | 2.62 | 1.72 | 0.97 | 0.90 | 2.04 | 0.00 | 13.98 | 1.29 | 1.29 | 1.76 | 1.86 | 2.64 | 2.15 | 4.91 | 0.00 | 0.00 | 14.37 |
| 60-64 | | 3.51 | 3.66 | 1.76 | 1.58 | 1.36 | 0.82 | 1.11 | 0.00 | 13.80 | 0.50 | 0.50 | 0.70 | 1.66 | 1.47 | 1.72 | 2.44 | 0.00 | 0.00 | 10.04 |
| 65-69 | | 3.69 | 3.41 | 2.58 | 1.79 | 0.86 | 0.54 | 1.15 | 0.00 | 14.01 | 0.14 | 0.14 | 1.15 | 1.29 | 0.82 | 0.90 | 1.47 | 0.00 | 0.00 | 6.56 |
| 70-74 | | 2.44 | 3.33 | 2.33 | 1.00 | 0.50 | 0.25 | 0.25 | 0.00 | 10.11 | 0.18 | 0.18 | 0.18 | 0.29 | 0.18 | 0.43 | 0.32 | 0.00 | 0.00 | 6.56 |
| 75-79 | | 2.54 | 1.76 | 1.04 | 0.93 | 0.14 | 0.14 | 0.00 | 0.00 | 6.56 | 0.07 | 0.00 | 0.04 | 0.04 | 0.18 | 0.07 | 0.04 | 0.00 | 0.00 | 1.72 |
| 80-84 | | 1.65 | 1.00 | 0.39 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 0.00 | 0.00 | 0.00 | 0.11 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 |
| 85-89 | | 0.22 | 0.00 | 0.11 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | | 20.72 | 23.37 | 18.03 | 14.05 | 7.92 | 5.45 | 10.14 | 0.32 | 100.00 | 2.47 | 5.81 | 12.40 | 15.38 | 15.56 | 18.46 | 29.71 | 0.22 | 0.22 | 100.00 |

Table 319. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. November 1950-1964. Number of Observations, 2700

| HOURS 0100-0600 | | | | | | | | | | | | | HOURS 0700-1200 | | | | | | | | | | | | |
|------------------|--|------------------------------|-------|-------|-------|------------------------------|-------|-------|---------|--------|------------------------------|-------|-----------------|-------|------------------------------|-------|-------|---------|--------|------|--|--|--|--|--|
| TEMPERATURE (°F) | | RELATIVE HUMIDITY IN PERCENT | | | | RELATIVE HUMIDITY IN PERCENT | | | | | RELATIVE HUMIDITY IN PERCENT | | | | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | |
| | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | | | | | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -15 - -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -10 - -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -5 - -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 0-4 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 5-9 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10-14 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 15-19 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 20-24 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 25-29 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 30-34 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 35-39 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 40-44 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 45-49 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 50-54 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 55-59 | | 0.04 | 0.11 | 0.19 | 0.26 | 0.33 | 0.44 | 0.56 | 0.67 | 0.89 | 0.04 | 0.33 | 0.56 | 0.85 | 1.11 | 1.44 | 1.85 | 2.37 | 3.56 | 5.52 | | | | | |
| 60-64 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 65-69 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 70-74 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 75-79 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 80-84 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 85-89 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| ≥ 95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| MISSING | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| TOTAL | | 0.04 | 0.33 | 4.07 | 10.89 | 19.41 | 25.19 | 40.07 | 0.00 | 100.00 | 1.63 | 6.93 | 13.30 | 17.33 | 19.30 | 16.33 | 25.07 | 0.11 | 100.00 | 0.00 | | | | | |

| HOURS 1300-1800 | | | | | | | | | | | | | HOURS 1900-2400 | | | | | | | | | | | | |
|------------------|--|------------------------------|-------|-------|-------|------------------------------|-------|-------|---------|--------|------------------------------|-------|-----------------|-------|------------------------------|-------|-------|---------|--------|------|--|--|--|--|--|
| TEMPERATURE (°F) | | RELATIVE HUMIDITY IN PERCENT | | | | RELATIVE HUMIDITY IN PERCENT | | | | | RELATIVE HUMIDITY IN PERCENT | | | | RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | |
| | | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | <40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL | | | | | | |
| ≤ -16 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -15 - -11 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -10 - -6 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| -5 - -1 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 0-4 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 5-9 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 10-14 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 15-19 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 20-24 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 25-29 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 30-34 | | 0.07 | 1.15 | 1.93 | 2.52 | 3.96 | 5.93 | 8.85 | 13.96 | 21.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 35-39 | | 0.44 | 1.63 | 2.37 | 3.26 | 4.41 | 5.93 | 7.70 | 10.78 | 14.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 40-44 | | 0.74 | 2.89 | 3.70 | 4.81 | 6.44 | 8.48 | 11.19 | 15.15 | 20.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 45-49 | | 1.15 | 3.19 | 2.74 | 3.52 | 4.96 | 6.93 | 9.41 | 13.96 | 19.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 50-54 | | 1.59 | 2.19 | 1.93 | 2.48 | 3.56 | 5.00 | 6.85 | 9.41 | 13.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 55-59 | | 1.44 | 1.63 | 1.56 | 1.93 | 2.48 | 3.56 | 4.41 | 5.93 | 7.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 60-64 | | 0.30 | 0.89 | 0.70 | 0.96 | 1.11 | 1.48 | 1.93 | 2.48 | 3.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 65-69 | | 0.19 | 0.59 | 0.44 | 0.56 | 0.70 | 0.85 | 1.11 | 1.48 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 70-74 | | 0.07 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 75-79 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 80-84 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 85-89 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| 90-94 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| ≥ 95 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| MISSING | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |
| TOTAL | | 6.37 | 16.07 | 21.37 | 19.81 | 14.15 | 8.74 | 13.41 | 0.07 | 100.00 | 0.52 | 2.41 | 8.67 | 17.93 | 24.63 | 19.00 | 26.85 | 0.00 | 100.00 | 0.00 | | | | | |

Table 320. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. December 1950-1964. Number of Observations, 2790

| | | HOURS 0100-0600 | | | | | | | HOURS 0700-1200 | | | | | | | | | |
|------------------|--------|-----------------|-------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|-------|---------|-------|-------|---------|--------|
| | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | ≥ 90 | | MISSING | | TOTAL | | |
| TEMPERATURE (°F) | TOTAL | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL |
| ≤ -16 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 |
| -15 - -11 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.47 | 0.50 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.18 | 0.22 | 0.11 | 0.57 |
| -10 - -6 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.61 | 0.90 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.25 | 0.50 | 0.00 | 0.82 |
| -5 - -1 | 4.12 | 0.00 | 0.00 | 0.00 | 0.04 | 0.72 | 1.76 | 1.22 | 4.12 | 0.00 | 0.00 | 0.00 | 0.29 | 0.86 | 1.11 | 0.54 | 0.32 | 3.12 |
| 0-4 | 4.84 | 0.00 | 0.00 | 0.00 | 0.32 | 1.11 | 1.61 | 1.76 | 4.84 | 0.00 | 0.00 | 0.25 | 0.61 | 0.82 | 1.11 | 0.97 | 0.11 | 3.87 |
| 5-9 | 5.70 | 0.00 | 0.00 | 0.00 | 0.54 | 1.11 | 1.72 | 2.33 | 5.70 | 0.00 | 0.00 | 0.11 | 0.79 | 1.04 | 1.36 | 0.00 | 0.00 | 4.59 |
| 10-14 | 6.57 | 0.00 | 0.00 | 0.04 | 0.54 | 1.22 | 2.45 | 2.22 | 6.57 | 0.00 | 0.04 | 0.22 | 0.82 | 1.76 | 2.47 | 1.51 | 0.00 | 6.61 |
| 15-19 | 11.94 | 0.00 | 0.00 | 0.11 | 0.72 | 2.65 | 2.22 | 6.24 | 11.94 | 0.00 | 0.18 | 0.50 | 1.65 | 2.40 | 2.22 | 3.51 | 0.00 | 10.47 |
| 20-24 | 16.59 | 0.00 | 0.00 | 0.11 | 1.11 | 3.33 | 3.94 | 8.10 | 16.59 | 0.04 | 0.25 | 1.00 | 1.72 | 3.58 | 3.58 | 4.91 | 0.00 | 15.09 |
| 25-29 | 16.38 | 0.00 | 0.00 | 0.22 | 1.22 | 2.58 | 5.13 | 7.24 | 16.38 | 0.00 | 0.11 | 0.75 | 2.22 | 4.30 | 5.05 | 5.45 | 0.00 | 17.89 |
| 30-34 | 17.71 | 0.00 | 0.00 | 0.22 | 0.65 | 1.72 | 3.73 | 11.40 | 17.71 | 0.00 | 0.43 | 0.72 | 2.29 | 3.65 | 3.69 | 7.10 | 0.04 | 17.31 |
| 35-39 | 6.59 | 0.00 | 0.00 | 0.00 | 0.65 | 1.40 | 0.65 | 3.91 | 6.59 | 0.00 | 0.14 | 0.39 | 2.01 | 1.50 | 0.79 | 4.01 | 0.00 | 9.39 |
| 40-44 | 3.41 | 0.00 | 0.00 | 0.11 | 0.25 | 0.68 | 0.25 | 1.97 | 3.41 | 0.00 | 0.14 | 0.47 | 0.97 | 0.54 | 0.43 | 2.01 | 0.00 | 4.55 |
| 45-49 | 1.72 | 0.00 | 0.00 | 0.11 | 0.18 | 0.11 | 0.00 | 0.00 | 1.72 | 0.00 | 0.00 | 0.11 | 0.86 | 0.72 | 0.22 | 0.25 | 0.00 | 3.12 |
| 50-54 | 0.68 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 0.14 | 0.32 | 0.68 | 0.00 | 0.11 | 0.29 | 0.22 | 0.11 | 0.14 | 0.54 | 0.00 | 1.40 |
| 55-59 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.25 | 0.00 | 0.07 | 0.14 | 0.07 | 0.04 | 0.14 | 0.18 | 0.00 | 0.65 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 100.00 | 0.00 | 0.25 | 1.22 | 6.31 | 17.42 | 24.87 | 49.00 | 0.93 | 0.00 | 1.58 | 5.70 | 14.37 | 20.75 | 22.72 | 33.80 | 0.90 | 100.00 |

| | | HOURS 1300-1800 | | | | | | | HOURS 1900-2400 | | | | | | | | | |
|------------------|--------|-----------------|-------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|-------|---------|-------|-------|---------|--------|
| | | 40-49 | | 50-59 | | 60-69 | | 70-79 | | 80-89 | | ≥ 90 | | MISSING | | TOTAL | | |
| TEMPERATURE (°F) | TOTAL | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | < 40 | 40-49 | 50-59 | 60-69 | 70-79 | 80-89 | ≥ 90 | MISSING | TOTAL |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.82 | 0.25 | 0.11 | 1.43 |
| -10 - -6 | 1.51 | 0.00 | 0.00 | 0.00 | 0.36 | 0.61 | 0.61 | 0.04 | 1.51 | 0.00 | 0.00 | 0.00 | 0.14 | 0.68 | 0.97 | 1.18 | 0.25 | 3.23 |
| -5 - -1 | 2.83 | 0.00 | 0.00 | 0.36 | 0.86 | 0.61 | 0.61 | 0.22 | 2.83 | 0.00 | 0.00 | 0.14 | 0.36 | 1.08 | 1.36 | 1.04 | 0.00 | 3.98 |
| 0-4 | 4.16 | 0.00 | 0.07 | 0.50 | 0.75 | 1.72 | 0.79 | 0.32 | 4.16 | 0.00 | 0.00 | 0.14 | 0.68 | 1.40 | 1.47 | 1.72 | 0.00 | 5.41 |
| 5-9 | 5.05 | 0.00 | 0.07 | 0.93 | 0.90 | 1.29 | 1.08 | 0.79 | 5.05 | 0.00 | 0.00 | 0.29 | 0.57 | 1.90 | 2.47 | 2.08 | 0.00 | 7.31 |
| 10-14 | 8.06 | 0.00 | 0.43 | 1.15 | 2.04 | 2.33 | 1.25 | 0.86 | 8.06 | 0.00 | 0.00 | 0.54 | 1.43 | 2.08 | 2.15 | 3.41 | 0.00 | 9.61 |
| 15-19 | 12.37 | 0.29 | 0.90 | 1.40 | 2.33 | 3.62 | 2.47 | 1.36 | 12.37 | 0.00 | 0.04 | 0.72 | 1.47 | 2.58 | 5.13 | 4.59 | 0.00 | 14.52 |
| 20-24 | 19.35 | 0.29 | 0.65 | 1.76 | 2.11 | 4.77 | 5.95 | 3.84 | 19.35 | 0.00 | 0.25 | 0.68 | 1.18 | 3.30 | 4.80 | 8.67 | 0.00 | 18.89 |
| 25-29 | 21.15 | 0.18 | 0.72 | 2.08 | 3.37 | 4.66 | 4.41 | 5.70 | 21.15 | 0.00 | 0.22 | 0.61 | 0.97 | 3.37 | 4.84 | 9.32 | 0.00 | 19.32 |
| 30-34 | 10.43 | 0.29 | 0.11 | 0.86 | 2.22 | 2.29 | 1.51 | 3.15 | 10.43 | 0.00 | 0.00 | 0.00 | 0.72 | 1.61 | 1.25 | 4.23 | 0.00 | 7.81 |
| 35-39 | 6.09 | 0.22 | 0.39 | 1.18 | 1.33 | 0.65 | 0.29 | 2.04 | 6.09 | 0.00 | 0.00 | 0.18 | 0.50 | 0.68 | 0.57 | 1.85 | 0.00 | 3.98 |
| 40-44 | 4.37 | 0.00 | 0.57 | 1.18 | 0.90 | 0.32 | 0.43 | 0.97 | 4.37 | 0.00 | 0.04 | 0.47 | 0.22 | 0.29 | 0.32 | 0.79 | 0.00 | 2.11 |
| 45-49 | 2.47 | 0.00 | 0.22 | 0.57 | 0.65 | 0.11 | 0.43 | 0.50 | 2.47 | 0.00 | 0.04 | 0.11 | 0.36 | 0.18 | 0.22 | 0.50 | 0.00 | 1.40 |
| 50-54 | 1.51 | 0.11 | 0.22 | 0.29 | 0.25 | 0.14 | 0.29 | 0.22 | 1.51 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.14 | 0.18 | 0.00 | 0.47 |
| 55-59 | 0.29 | 0.04 | 0.00 | 0.00 | 0.11 | 0.04 | 0.04 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MISSING | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 100.00 | 1.40 | 4.34 | 12.33 | 18.17 | 23.19 | 19.89 | 20.00 | 0.68 | 0.00 | 0.79 | 3.87 | 8.64 | 19.50 | 26.67 | 39.89 | 0.65 | 100.00 |

Table 321. Joint Percentage Frequency Distribution of 5-foot Relative Humidity in Percent and 5.5-foot Temperature (°F) for Specified Hours of the Day. January 1950-December 1964. Number of Observations, 32,874

| HOURS 0100-0600 | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|--------|------------------------------|-------|---------|--------|-------|-------|-------|-------|-------|-------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.06 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.31 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| -10 - -6 | 0.00 | 0.00 | 0.03 | 0.08 | 0.16 | 0.60 | 0.15 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| -5 - -1 | 0.00 | 0.00 | 0.03 | 0.17 | 0.30 | 1.12 | 0.35 | 0.35 | 0.23 | 0.03 | 1.12 | 0.40 | 0.21 | 0.18 | 0.13 | 0.03 |
| 0-4 | 0.00 | 0.00 | 0.05 | 0.18 | 0.33 | 1.51 | 0.47 | 0.47 | 0.47 | 0.00 | 1.51 | 0.02 | 0.02 | 0.08 | 0.28 | 0.26 |
| 5-9 | 0.00 | 0.02 | 0.03 | 0.15 | 0.39 | 1.69 | 0.51 | 0.51 | 0.59 | 0.59 | 1.69 | 0.02 | 0.02 | 0.15 | 0.29 | 0.30 |
| 10-14 | 0.00 | 0.01 | 0.02 | 0.22 | 0.51 | 2.47 | 0.87 | 0.87 | 0.84 | 0.00 | 2.47 | 0.00 | 0.00 | 0.13 | 0.37 | 0.51 |
| 15-19 | 0.00 | 0.00 | 0.05 | 0.38 | 0.83 | 4.27 | 1.11 | 1.89 | 0.00 | 0.00 | 4.27 | 0.00 | 0.03 | 0.28 | 0.63 | 0.75 |
| 20-24 | 0.00 | 0.00 | 0.06 | 0.43 | 1.08 | 6.11 | 1.69 | 2.83 | 0.01 | 6.11 | 0.01 | 0.12 | 0.39 | 0.81 | 1.07 | |
| 25-29 | 0.00 | 0.01 | 0.17 | 0.69 | 1.43 | 8.43 | 2.20 | 3.91 | 0.02 | 8.43 | 0.00 | 0.14 | 0.51 | 0.99 | 1.36 | |
| 30-34 | 0.00 | 0.04 | 0.30 | 0.80 | 1.62 | 10.73 | 2.40 | 5.56 | 0.02 | 10.73 | 0.31 | 0.31 | 0.68 | 1.30 | 1.62 | |
| 35-39 | 0.00 | 0.05 | 0.21 | 0.70 | 1.21 | 7.16 | 1.67 | 3.23 | 0.09 | 7.16 | 0.06 | 0.41 | 0.74 | 1.24 | 1.62 | |
| 40-44 | 0.01 | 0.07 | 0.30 | 0.72 | 1.05 | 6.66 | 1.41 | 3.02 | 0.07 | 6.66 | 0.14 | 0.56 | 0.90 | 1.10 | 0.93 | |
| 45-49 | 0.03 | 0.16 | 0.41 | 0.85 | 1.14 | 7.64 | 1.65 | 3.40 | 0.01 | 7.64 | 0.19 | 0.63 | 1.00 | 0.91 | 0.72 | |
| 50-54 | 0.02 | 0.09 | 0.40 | 0.78 | 1.13 | 8.52 | 1.63 | 4.38 | 0.09 | 8.52 | 0.31 | 0.76 | 1.01 | 0.89 | 0.66 | |
| 55-59 | 0.01 | 0.10 | 0.33 | 0.57 | 1.22 | 9.05 | 1.66 | 5.07 | 0.08 | 9.05 | 0.34 | 0.75 | 1.04 | 1.05 | 0.95 | |
| 60-64 | 0.00 | 0.03 | 0.13 | 0.51 | 1.28 | 10.35 | 2.18 | 4.05 | 0.15 | 10.35 | 0.40 | 1.05 | 1.12 | 1.27 | 1.11 | |
| 65-69 | 0.00 | 0.02 | 0.06 | 0.37 | 1.17 | 8.75 | 1.89 | 5.16 | 0.07 | 8.75 | 0.57 | 1.23 | 1.54 | 1.59 | 1.44 | |
| 70-74 | 0.00 | 0.01 | 0.04 | 0.22 | 0.93 | 3.63 | 2.00 | 2.00 | 0.03 | 3.63 | 0.58 | 1.32 | 1.71 | 1.83 | 1.67 | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | 0.57 | 0.26 | 0.18 | 0.00 | 0.57 | 0.42 | 1.22 | 1.69 | 1.74 | 1.36 | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.21 | 0.81 | 1.15 | 1.12 | 0.59 | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.43 | 0.61 | 0.40 | 0.06 | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.11 | 0.08 | 0.03 | 0.01 | |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.01 | 0.05 | 0.37 | 0.03 | 0.03 | 0.03 | 0.24 | 0.00 | 0.00 | 0.03 | 0.02 | 0.01 | |
| TOTAL | 0.07 | 0.61 | 2.65 | 7.92 | 15.51 | 100.00 | 23.19 | 49.11 | 0.94 | 100.00 | 3.36 | 9.90 | 14.86 | 18.12 | 17.24 | |

| HOURS 0700-1200 | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|--------|------------------------------|-------|---------|--------|-------|-------|-------|-------|-------|-------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.06 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.31 | 0.08 | 0.10 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| -10 - -6 | 0.00 | 0.00 | 0.03 | 0.08 | 0.16 | 0.60 | 0.15 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 |
| -5 - -1 | 0.00 | 0.00 | 0.03 | 0.17 | 0.30 | 1.12 | 0.35 | 0.35 | 0.23 | 0.03 | 1.12 | 0.40 | 0.21 | 0.18 | 0.13 | 0.03 |
| 0-4 | 0.00 | 0.00 | 0.05 | 0.18 | 0.33 | 1.51 | 0.47 | 0.47 | 0.47 | 0.00 | 1.51 | 0.02 | 0.02 | 0.08 | 0.28 | 0.26 |
| 5-9 | 0.00 | 0.02 | 0.03 | 0.15 | 0.39 | 1.69 | 0.51 | 0.51 | 0.59 | 0.59 | 1.69 | 0.02 | 0.02 | 0.15 | 0.29 | 0.30 |
| 10-14 | 0.00 | 0.01 | 0.02 | 0.22 | 0.51 | 2.47 | 0.87 | 0.87 | 0.84 | 0.00 | 2.47 | 0.00 | 0.00 | 0.13 | 0.37 | 0.51 |
| 15-19 | 0.00 | 0.00 | 0.05 | 0.38 | 0.83 | 4.27 | 1.11 | 1.89 | 0.00 | 0.00 | 4.27 | 0.00 | 0.03 | 0.28 | 0.63 | 0.75 |
| 20-24 | 0.00 | 0.00 | 0.06 | 0.43 | 1.08 | 6.11 | 1.69 | 2.83 | 0.01 | 6.11 | 0.01 | 0.12 | 0.39 | 0.81 | 1.07 | |
| 25-29 | 0.00 | 0.01 | 0.17 | 0.69 | 1.43 | 8.43 | 2.20 | 3.91 | 0.02 | 8.43 | 0.00 | 0.14 | 0.51 | 0.99 | 1.36 | |
| 30-34 | 0.00 | 0.04 | 0.30 | 0.80 | 1.62 | 10.73 | 2.40 | 5.56 | 0.02 | 10.73 | 0.31 | 0.31 | 0.68 | 1.30 | 1.62 | |
| 35-39 | 0.00 | 0.05 | 0.21 | 0.70 | 1.21 | 7.16 | 1.67 | 3.23 | 0.09 | 7.16 | 0.06 | 0.41 | 0.74 | 1.24 | 1.62 | |
| 40-44 | 0.01 | 0.07 | 0.30 | 0.72 | 1.05 | 6.66 | 1.41 | 3.02 | 0.07 | 6.66 | 0.14 | 0.56 | 0.90 | 1.10 | 0.93 | |
| 45-49 | 0.03 | 0.16 | 0.41 | 0.85 | 1.14 | 7.64 | 1.65 | 3.40 | 0.01 | 7.64 | 0.19 | 0.63 | 1.00 | 0.91 | 0.72 | |
| 50-54 | 0.02 | 0.09 | 0.40 | 0.78 | 1.13 | 8.52 | 1.63 | 4.38 | 0.09 | 8.52 | 0.31 | 0.76 | 1.01 | 0.89 | 0.66 | |
| 55-59 | 0.01 | 0.10 | 0.33 | 0.57 | 1.22 | 9.05 | 1.66 | 5.07 | 0.08 | 9.05 | 0.34 | 0.75 | 1.04 | 1.05 | 0.95 | |
| 60-64 | 0.00 | 0.03 | 0.13 | 0.51 | 1.28 | 10.35 | 2.18 | 4.05 | 0.15 | 10.35 | 0.40 | 1.05 | 1.12 | 1.27 | 1.11 | |
| 65-69 | 0.00 | 0.02 | 0.06 | 0.37 | 1.17 | 8.75 | 1.89 | 5.16 | 0.07 | 8.75 | 0.57 | 1.23 | 1.54 | 1.59 | 1.44 | |
| 70-74 | 0.00 | 0.01 | 0.04 | 0.22 | 0.93 | 3.63 | 2.00 | 2.00 | 0.03 | 3.63 | 0.58 | 1.32 | 1.71 | 1.83 | 1.67 | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.02 | 0.11 | 0.57 | 0.26 | 0.18 | 0.00 | 0.57 | 0.42 | 1.22 | 1.69 | 1.74 | 1.36 | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.21 | 0.81 | 1.15 | 1.12 | 0.59 | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.43 | 0.61 | 0.40 | 0.06 | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.11 | 0.08 | 0.03 | 0.01 | |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.01 | 0.05 | 0.37 | 0.03 | 0.03 | 0.03 | 0.24 | 0.00 | 0.00 | 0.03 | 0.02 | 0.01 | |
| TOTAL | 0.07 | 0.61 | 2.65 | 7.92 | 15.51 | 100.00 | 23.19 | 49.11 | 0.94 | 100.00 | 3.36 | 9.90 | 14.86 | 18.12 | 17.24 | |

| HOURS 1300-1800 | | | | | | | | | | | | | | | | |
|---------------------|------------------------------|-------|-------|-------|-------|-------|------------------------------|------|---------|------|-------|-------|-------|-------|-------|-------|
| TEMPERATURE (°F) | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | RELATIVE HUMIDITY IN PERCENT | | | | | TOTAL | | | | |
| | <40 | 40-49 | 50-59 | 60-69 | 70-79 | | 80-89 | ≥90 | MISSING | <40 | 40-49 | | 50-59 | 60-69 | 70-79 | 80-89 |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -15 - -11 | 0.00 | 0.00 | 0.00 | 0.04 | 0.08 | 0.01 | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| -10 - -6 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.05 | 0.01 | 0.01 | 0.00 | 0.00 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| -5 - -1 | 0.00 | 0.00 | 0.02 | 0.12 | 0.11 | 0.36 | 0.05 | 0.01 | 0.02 | 0.02 | 0.36 | 0.00 | 0.01 | 0.03 | 0.18 | 0.22 |
| 0-4 | 0.00 | 0.02 | 0.13 | 0.23 | 0.16 | 0.70 | 0.09 | 0.05 | 0.05 | 0.02 | 0.70 | 0.00 | 0.02 | 0.13 | 0.27 | 0.36 |
| 5-9 | 0.02 | 0.09 | 0.26 | 0.32 | 0.27 | 1.18 | 0.11 | 0.10 | 0.10 | 0.01 | 1.18 | 0.01 | 0.01 | 0.05 | 0.21 | 0.46 |
| 10-14 | 0.00 | 0.09 | 0.30 | 0.42 | 0.40 | 1.54 | 0.19 | 0.13 | 0.01 | 0.01 | 1.54 | 0.00 | 0.01 | 0.10 | 0.26 | 0.70 |
| 15-19 | 0.00 | 0.09 | 0.46 | 0.69 | 0.56 | 2.31 | 0.29 | 0.23 | 0.00 | 0.00 | 2.31 | 0.00 | 0.00 | 0.12 | 0.41 | 0.79 |
| 20-24 | 0.03 | 0.22 | 0.61 | 0.87 | 0.92 | 3.71 | 0.63 | 0.42 | 0.00 | 0.00 | 3.71 | 0.00 | 0.04 | 0.16 | 0.69 | 1.29 |
| 25-29 | 0.07 | 0.36 | 0.82 | 1.24 | 1.38 | 6.24 | 1.22 | 1.14 | 0.00 | 0.00 | 6.24 | 0.00 | 0.04 | 0.29 | 0.94 | 1.66 |
| 30-34 | 0.09 | 0.52 | 1.07 | 1.51 | 1.50 | 8.72 | 1.51 | 2.50 | 0.02 | 0.02 | 8.72 | 0.01 | 0.15 | 0.49 | 1.07 | 1.95 |
| 35-39 | 0.26 | 0.68 | 1.10 | 1.30 | 1.19 | 6.91 | 0.91 | 1.45 | 0.01 | 0.01 | 6.91 | 0.05 | 0.22 | 0.55 | 1.14 | 1.59 |
| 40-44 | 0.40 | 1.01 | 1.31 | 0.97 | 0.66 | 5.77 | 0.47 | 0.90 | 0.05 | 0.05 | 5.77 | 0.05 | 0.26 | 0.67 | 0.93 | 1.17 |
| 45-49 | 0.61 | 1.19 | 1.04 | 0.85 | 0.65 | 5.56 | 0.42 | 0.86 | 0.05 | 0.05 | 5.56 | 0.11 | 0.40 | 0.79 | 1.02 | 1.16 |
| 50-54 | 0.81 | 1.12 | 1.07 | 0.78 | 0.46 | 5.68 | 0.45 | 0.96 | 0.03 | 0.03 | 5.68 | 0.17 | 0.47 | 0.97 | 1.11 | 0.98 |
| 55-59 | 1.05 | 1.10 | 1.13 | 0.74 | 0.51 | 5.68 | 0.40 | 0.70 | 0.06 | 0.06 | 5.68 | 0.16 | 0.44 | 0.74 | 1.05 | 1.36 |
| 60-64 | 1.02 | 1.41 | 0.96 | 0.74 | 0.63 | 6.06 | 0.58 | 0.66 | 0.08 | 0.08 | 6.06 | 0.11 | 0.33 | 0.82 | 1.27 | 2.03 |
| 65-69 | 1.33 | 1.70 | 1.33 | 1.17 | 0.81 | 7.90 | 0.72 | 0.99 | 0.09 | 0.09 | 7.90 | 0.09 | 0.34 | 0.73 | 1.16 | 1.54 |
| 70-74 | 1.59 | 2.32 | 1.90 | | | | | | | | | | | | | |

Table 322. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

JANUARY 1950-1964

| AIR TEMPERATURE (°F) | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
|----------------------|---------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------------|---------|-------|
| | ≤ -11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | | | MISSING | |
| ≤ -16 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.28 | 0.28 |
| -15- -11 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.93 | 1.21 |
| -10- -6 | 1.16 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.71 | 2.92 |
| -5- -1 | 0.94 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.64 | 6.56 |
| 0-4 | 0.24 | 4.61 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 6.35 | 12.91 |
| 5-9 | 0.13 | 2.26 | 4.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 6.93 | 19.84 |
| 10-14 | 0.00 | 0.53 | 6.05 | 1.59 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 8.21 | 28.05 |
| 15-19 | 0.00 | 0.04 | 2.95 | 7.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.87 | 38.92 |
| 20-24 | 0.00 | 0.01 | 6.79 | 8.27 | 4.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.57 | 52.48 |
| 25-29 | 0.00 | 0.00 | 0.04 | 3.44 | 14.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 17.68 | 70.16 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.64 | 10.22 | 6.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.41 | 87.57 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.14 | 2.59 | 4.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.18 | 94.75 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.06 | 0.67 | 1.47 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 97.59 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.11 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.13 | 98.72 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.03 | 0.17 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.75 | 99.47 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.04 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 99.71 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 99.81 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 99.82 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.82 |
| TOTAL CUMUL TOTAL | 3.41 | 10.67 | 15.79 | 22.03 | 32.16 | 12.63 | 1.77 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 100.00 | |

TOTAL OBSERVATIONS = 11160

FEBRUARY 1950-1964

| AIR TEMPERATURE (°F) | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
|----------------------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------------|---------|-------|
| | ≤ -11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | | | MISSING | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 |
| -15- -11 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.22 | 0.25 |
| -10- -6 | 0.92 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.25 |
| -5- -1 | 0.66 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 3.47 |
| 0-4 | 0.13 | 2.51 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 6.54 |
| 5-9 | 0.04 | 1.47 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 10.23 |
| 10-14 | 0.00 | 0.36 | 3.87 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.80 | 16.03 |
| 15-19 | 0.00 | 0.02 | 1.81 | 6.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.59 | 24.62 |
| 20-24 | 0.00 | 0.00 | 0.54 | 9.85 | 4.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.97 | 39.58 |
| 25-29 | 0.00 | 0.00 | 0.14 | 4.98 | 13.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 18.62 | 58.21 |
| 30-34 | 0.00 | 0.00 | 0.12 | 1.28 | 14.22 | 8.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 23.79 | 82.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.48 | 3.62 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.57 | 91.57 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.13 | 1.65 | 2.27 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.65 | 96.22 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.03 | 0.31 | 0.85 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 98.14 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.20 | 0.23 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 98.94 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.13 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 99.38 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 99.47 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 99.49 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.49 |
| TOTAL CUMUL TOTAL | 1.92 | 6.00 | 9.09 | 25.07 | 37.97 | 16.97 | 1.69 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 100.00 | |

TOTAL OBSERVATIONS = 10176

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 323. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

| MARCH 1950-1964 | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| AIR TEMPERATURE (°F) | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.04 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 |
| 0-4 | 0.00 | 0.29 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.24 |
| 5-9 | 0.00 | 0.32 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.63 |
| 10-14 | 0.00 | 0.05 | 1.72 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.85 |
| 15-19 | 0.00 | 0.02 | 1.60 | 3.58 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 4.26 |
| 20-24 | 0.00 | 0.00 | 0.52 | 6.59 | 2.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.20 | 9.45 |
| 25-29 | 0.00 | 0.00 | 0.24 | 5.15 | 10.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 9.56 | 19.01 |
| 30-34 | 0.00 | 0.01 | 0.03 | 2.84 | 14.62 | 8.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 15.78 | 34.79 |
| 35-39 | 0.00 | 0.01 | 0.04 | 1.48 | 6.48 | 7.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 25.83 | 60.63 |
| 40-44 | 0.00 | 0.00 | 0.01 | 0.46 | 3.19 | 3.85 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 15.75 | 76.38 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.18 | 1.77 | 2.10 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 8.92 | 85.30 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.06 | 0.53 | 1.56 | 1.14 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 91.51 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.81 | 0.64 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 95.63 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.30 | 0.34 | 0.24 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 2.08 | 97.71 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 98.63 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.08 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 99.15 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 99.37 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 99.41 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.41 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.41 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.41 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.59 | 100.00 |
| TOTAL CUMUL TOTAL | 0.08 | 0.86 | 5.17 | 20.97 | 39.44 | 24.81 | 5.91 | 1.89 | 0.01 | 0.00 | 0.00 | 0.87 | 100.00 | | |
| TOTAL | 0.08 | 0.94 | 6.11 | 27.08 | 66.51 | 91.33 | 97.23 | 99.12 | 99.13 | 99.13 | 99.13 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

| APRIL 1950-1964 | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| AIR TEMPERATURE (°F) | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.06 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.01 |
| 20-24 | 0.00 | 0.00 | 0.06 | 0.42 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.20 |
| 25-29 | 0.00 | 0.00 | 0.03 | 0.86 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 1.11 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.83 | 6.72 | 3.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 | 4.70 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.71 | 5.26 | 7.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.05 | 15.75 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.50 | 4.50 | 8.01 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.85 | 29.60 |
| 45-49 | 0.00 | 0.00 | 0.01 | 0.28 | 2.96 | 5.56 | 5.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 15.84 | 45.44 |
| 50-54 | 0.00 | 0.00 | 0.01 | 0.08 | 1.97 | 4.40 | 3.52 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 14.30 | 59.74 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 2.70 | 2.49 | 3.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.92 | 71.66 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.02 | 0.20 | 1.49 | 1.91 | 2.32 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 9.40 | 81.06 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.06 | 0.15 | 0.99 | 1.32 | 1.60 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 6.84 | 87.90 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.32 | 0.83 | 1.11 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 4.95 | 92.85 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.55 | 0.32 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 95.81 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.17 | 0.13 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 97.33 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 97.86 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 97.86 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 97.86 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.14 | 2.14 | 100.00 |
| TOTAL CUMUL TOTAL | 0.00 | 0.00 | 0.18 | 3.90 | 25.95 | 35.05 | 18.94 | 10.61 | 3.06 | 0.00 | 0.00 | 2.31 | 100.00 | | |
| TOTAL | 0.00 | 0.00 | 0.18 | 4.07 | 30.03 | 65.07 | 84.01 | 94.62 | 97.69 | 97.69 | 97.69 | 100.00 | | | |

TOTAL OBSERVATIONS = 10800

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 324. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

| | | MAY 1950-1964 | | | | | | | | | | | | | |
|----------------------|------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------------|
| AIR TEMPERATURE (°F) | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | | |
| | | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | TOTAL | CUMUL TOTAL |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.03 | 1.08 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.03 | 1.22 | 3.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 4.75 | 5.82 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.04 | 1.18 | 3.83 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 6.88 | 12.71 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.01 | 1.22 | 5.25 | 6.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 12.81 | 25.52 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 4.46 | 6.39 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 15.47 | 40.99 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 3.25 | 5.33 | 5.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 14.70 | 55.69 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 1.74 | 3.88 | 4.69 | 2.56 | 0.00 | 0.00 | 0.00 | 0.37 | 13.35 | 69.04 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.24 | 2.99 | 4.27 | 3.70 | 0.00 | 0.00 | 0.00 | 0.46 | 12.75 | 81.79 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 2.46 | 2.78 | 2.90 | 0.01 | 0.00 | 0.00 | 0.22 | 8.92 | 90.71 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.04 | 2.02 | 2.21 | 0.12 | 0.00 | 0.00 | 0.16 | 5.62 | 96.33 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.91 | 1.50 | 0.14 | 0.00 | 0.00 | 0.17 | 2.89 | 99.22 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.23 | 0.40 | 0.09 | 0.00 | 0.00 | 0.02 | 0.78 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL CUMUL | 0.00 | 0.00 | 0.00 | 0.07 | 5.64 | 24.25 | 29.78 | 23.56 | 13.28 | 0.36 | 0.00 | 3.06 | 100.00 | | |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.07 | 5.71 | 29.96 | 59.74 | 83.30 | 96.58 | 96.94 | 96.94 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

| | | JUNE 1950-1964 | | | | | | | | | | | | | |
|----------------------|------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------------|
| AIR TEMPERATURE (°F) | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | | |
| | | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | TOTAL | CUMUL TOTAL |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.33 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.12 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.60 | 2.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 0.89 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.77 | 4.71 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 3.21 | 4.10 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.73 | 3.56 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.86 | 11.96 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.70 | 2.81 | 8.68 | 3.77 | 0.00 | 0.00 | 0.00 | 0.06 | 11.12 | 23.08 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 2.54 | 6.39 | 8.90 | 0.00 | 0.00 | 0.00 | 0.06 | 16.02 | 39.10 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 1.94 | 5.38 | 8.61 | 0.78 | 0.00 | 0.00 | 0.08 | 18.14 | 57.24 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.04 | 4.01 | 5.49 | 1.65 | 0.00 | 0.00 | 0.11 | 16.94 | 74.18 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 1.93 | 4.24 | 1.66 | 0.00 | 0.00 | 0.03 | 12.22 | 86.40 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.46 | 2.81 | 1.19 | 0.00 | 0.00 | 0.05 | 8.03 | 94.43 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.51 | 0.34 | 0.00 | 0.00 | 0.03 | 4.52 | 98.94 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.89 | 99.83 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 99.88 |
| TOTAL CUMUL | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 3.62 | 19.74 | 35.94 | 34.36 | 5.63 | 0.00 | 0.56 | 100.00 | | |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 3.77 | 23.51 | 59.45 | 93.81 | 99.44 | 99.44 | 100.00 | | | |

TOTAL OBSERVATIONS = 10800

* Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 325. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

| | | JULY 1950-1964 | | | | | | | | | | | | | |
|----------------------|------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--------|-------------|
| AIR TEMPERATURE (°F) | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | | |
| | | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | TOTAL | CUMUL TOTAL |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.73 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.14 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.77 | 5.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 1.78 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.80 | 7.54 | 5.68 | 0.00 | 0.00 | 0.33 | 6.34 | 8.13 | 22.50 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.18 | 6.01 | 14.97 | 0.00 | 0.00 | 0.22 | 22.45 | 44.95 | 66.02 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.29 | 5.58 | 11.27 | 2.58 | 0.00 | 0.25 | 21.08 | 66.02 | 82.00 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 5.46 | 7.53 | 2.65 | 0.00 | 0.17 | 16.58 | 82.00 | 86.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 3.01 | 6.14 | 1.91 | 0.02 | 0.08 | 11.27 | 93.87 | 99.01 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.53 | 2.90 | 1.67 | 0.00 | 0.02 | 5.13 | 99.01 | 99.86 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.48 | 0.00 | 0.00 | 0.85 | 99.86 | 100.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.12 | 0.00 | 0.00 | 0.14 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 5.82 | 34.44 | 48.89 | 9.41 | 0.02 | 1.08 | 100.00 | | |
| CUMUL TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 6.16 | 40.61 | 89.50 | 98.91 | 99.92 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

| | | AUGUST 1950-1964 | | | | | | | | | | | | | |
|----------------------|------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--------|-------------|
| AIR TEMPERATURE (°F) | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | | |
| | | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | TOTAL | CUMUL TOTAL |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.98 | 1.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 | 3.40 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.27 | 7.52 | 0.00 | 0.00 | 0.00 | 0.00 | 8.80 | 12.20 | 27.81 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.91 | 7.47 | 7.21 | 0.00 | 0.00 | 0.02 | 15.62 | 27.81 | 50.65 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 1.24 | 6.35 | 15.15 | 0.00 | 0.00 | 0.02 | 22.83 | 50.65 | 71.13 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 5.63 | 9.65 | 3.94 | 0.00 | 0.03 | 20.48 | 71.13 | 86.53 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 4.55 | 7.49 | 3.05 | 0.00 | 0.01 | 15.40 | 86.53 | 94.93 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.61 | 4.82 | 1.89 | 0.02 | 0.02 | 8.40 | 94.93 | 98.84 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 2.11 | 1.42 | 0.00 | 0.00 | 3.92 | 98.84 | 99.97 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.45 | 0.00 | 0.00 | 1.13 | 99.97 | 100.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 100.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 6.45 | 35.42 | 47.12 | 10.76 | 0.02 | 0.09 | 100.00 | | |
| CUMUL TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 6.59 | 42.01 | 89.13 | 99.89 | 99.91 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 326. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

SEPTEMBER 1950-1964

| AIR TEMPERATURE (°F) | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.06 | 0.06 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.95 | 1.02 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.98 | 0.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 3.15 | 4.17 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 1.29 | 5.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 6.61 | 10.78 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 1.66 | 7.06 | 3.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 12.44 | 23.22 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 1.41 | 5.14 | 8.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 15.33 | 38.56 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.35 | 4.70 | 8.54 | 4.25 | 0.00 | 0.00 | 0.00 | 0.50 | 19.34 | 57.90 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 4.10 | 5.19 | 6.39 | 0.00 | 0.00 | 0.00 | 0.19 | 16.38 | 74.28 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 2.84 | 3.92 | 4.78 | 0.92 | 0.00 | 0.00 | 0.11 | 12.71 | 86.99 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.71 | 2.25 | 2.97 | 0.66 | 0.00 | 0.00 | 0.10 | 6.76 | 93.75 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.96 | 2.09 | 0.23 | 0.00 | 0.00 | 0.03 | 3.40 | 97.15 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 1.36 | 0.17 | 0.00 | 0.00 | 2.06 | 99.21 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.06 | 0.00 | 0.00 | 0.00 | 0.72 | 99.94 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 9.17 | 30.79 | 33.36 | 22.52 | 2.03 | 0.00 | 1.77 | 100.00 | | |
| CUMUL TOTAL | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 9.54 | 40.32 | 73.69 | 96.20 | 98.23 | 98.23 | 100.00 | | | |

TOTAL OBSERVATIONS = 10800

OCTOBER 1950-1964

| AIR TEMPERATURE (°F) | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤-16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15--11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10--6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5--1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.10 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.09 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.35 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.15 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 1.78 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.50 | 2.47 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 4.26 | 6.04 |
| 35-39 | 0.00 | 0.00 | 0.01 | 0.45 | 2.04 | 5.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 7.83 | 13.87 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.22 | 2.37 | 6.77 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 12.59 | 26.46 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.09 | 1.97 | 5.29 | 8.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 15.65 | 42.11 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.04 | 1.26 | 4.70 | 6.56 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.83 | 57.94 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.01 | 0.65 | 2.91 | 4.38 | 5.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.89 | 71.83 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 1.91 | 3.40 | 3.92 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 11.07 | 82.89 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.11 | 2.65 | 2.68 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 8.67 | 91.57 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 1.18 | 1.96 | 0.91 | 0.10 | 0.00 | 0.00 | 0.00 | 4.61 | 96.17 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.72 | 0.92 | 0.69 | 0.04 | 0.00 | 0.00 | 0.00 | 2.53 | 98.70 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.23 | 0.55 | 0.29 | 0.03 | 0.00 | 0.00 | 0.00 | 1.11 | 99.81 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.02 | 0.03 | 0.00 | 0.00 | 0.00 | 0.12 | 99.93 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.93 |
| ≥95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.93 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 0.00 | 0.00 | 0.01 | 1.65 | 12.42 | 29.74 | 30.58 | 19.27 | 5.78 | 0.20 | 0.00 | 0.36 | 100.00 | | |
| CUMUL TOTAL | 0.00 | 0.00 | 0.01 | 1.66 | 14.08 | 43.82 | 74.40 | 93.66 | 99.44 | 99.64 | 99.64 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 327. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

| NOVEMBER 1950-1964 | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|------|---------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| AIR TEMPERATURE (°F) | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.02 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.19 |
| 0-4 | 0.05 | 0.44 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 0.74 |
| 5-9 | 0.00 | 0.20 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 1.57 |
| 10-14 | 0.00 | 0.03 | 1.44 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 3.29 |
| 15-19 | 0.00 | 0.00 | 1.53 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 7.31 |
| 20-24 | 0.00 | 0.00 | 0.50 | 4.70 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.07 | 14.38 |
| 25-29 | 0.00 | 0.00 | 0.19 | 3.57 | 8.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.65 | 27.03 |
| 30-34 | 0.00 | 0.00 | 0.00 | 1.69 | 10.56 | 3.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.23 | 43.26 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.41 | 6.35 | 8.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.13 | 58.39 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.20 | 3.93 | 7.32 | 2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 13.53 | 71.92 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.10 | 1.94 | 4.19 | 4.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 10.99 | 82.91 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.04 | 0.82 | 2.07 | 2.54 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.49 | 90.40 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 1.20 | 1.59 | 2.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 95.59 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.79 | 1.35 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 98.32 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.44 | 0.69 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 99.66 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.24 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 99.95 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 100.00 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL CUMUL | 0.06 | 0.83 | 4.37 | 13.45 | 34.61 | 27.55 | 12.17 | 6.49 | 0.42 | 0.00 | 0.00 | 0.05 | 100.00 | | |
| TOTAL | 0.06 | 0.90 | 5.27 | 18.72 | 53.33 | 80.88 | 93.05 | 99.54 | 99.95 | 99.95 | 99.95 | 100.00 | | | |

TOTAL OBSERVATIONS = 10800

| DECEMBER 1950-1964 | | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|-------------|--------|
| AIR TEMPERATURE (°F) | ≤-11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | | |
| ≤ -16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.04 | 0.04 |
| -15- -11 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.48 | 0.53 | 0.53 |
| -10- -6 | 0.57 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 1.07 | 1.59 | 1.59 |
| -5- -1 | 0.22 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 2.99 | 4.59 | 4.59 |
| 0-4 | 0.00 | 3.07 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 3.88 | 8.47 | 8.47 |
| 5-9 | 0.00 | 1.25 | 3.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.96 | 13.43 | 13.43 |
| 10-14 | 0.00 | 0.20 | 4.53 | 1.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.46 | 19.89 | 19.89 |
| 15-19 | 0.00 | 0.04 | 2.51 | 7.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.02 | 29.91 | 29.91 |
| 20-24 | 0.00 | 0.03 | 0.83 | 9.16 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.64 | 44.55 | 44.55 |
| 25-29 | 0.00 | 0.00 | 0.18 | 3.63 | 14.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.13 | 62.68 | 62.68 |
| 30-34 | 0.00 | 0.00 | 0.02 | 1.02 | 10.78 | 7.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 18.87 | 81.55 | 81.55 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.14 | 2.64 | 5.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.56 | 90.11 | 90.11 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.05 | 1.05 | 2.05 | 1.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 | 94.61 | 94.61 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 1.26 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 97.45 | 97.45 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.58 | 0.46 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 98.93 | 98.93 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.13 | 0.31 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 99.65 | 99.65 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 99.74 | 99.74 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.74 | 99.74 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.26 | 100.00 | 100.00 |
| TOTAL CUMUL | 1.23 | 7.51 | 18.51 | 23.22 | 33.75 | 16.85 | 3.41 | 0.73 | 0.00 | 0.00 | 0.00 | 0.79 | 100.00 | | |
| TOTAL | 1.23 | 8.74 | 21.25 | 44.46 | 78.22 | 95.06 | 98.48 | 99.21 | 99.21 | 99.21 | 99.21 | 100.00 | | | |

TOTAL OBSERVATIONS = 11160

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 328. Joint Percentage Frequency Distribution of 5.5-foot Temperature (°F) and 5-foot* Dewpoint Temperature (°F)

ALL YEARS 1950-1964

| AIR TEMPERATURE (°F) | DEWPOINT TEMPERATURE (°F) | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
|----------------------|---------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|---------|-------------|--------|
| | ≤ -11 | -10--1 | 0-9 | 10-19 | 20-29 | 30-39 | 40-49 | 50-59 | 60-69 | 70-79 | ≥ 80 | MISSING | | |
| ≤ -16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.03 | 0.03 |
| -10- -6 | 0.22 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.17 |
| -5- -1 | 0.15 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.48 |
| 0-4 | 0.03 | 0.91 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 1.25 |
| 5-9 | 0.01 | 0.46 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.18 | 2.44 |
| 10-14 | 0.00 | 0.10 | 1.46 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 1.47 | 3.90 |
| 15-19 | 0.00 | 0.01 | 0.87 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 | 5.94 |
| 20-24 | 0.00 | 0.00 | 0.27 | 3.23 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.23 | 9.17 |
| 25-29 | 0.00 | 0.00 | 0.07 | 1.80 | 5.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 5.04 | 14.21 |
| 30-34 | 0.00 | 0.00 | 0.01 | 0.73 | 5.80 | 3.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 7.28 | 21.49 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.32 | 2.51 | 4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 9.81 | 31.30 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.14 | 1.55 | 3.15 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 6.95 | 38.25 |
| 45-49 | 0.00 | 0.00 | 0.00 | 0.06 | 0.90 | 2.21 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 6.13 | 44.38 |
| 50-54 | 0.00 | 0.00 | 0.00 | 0.02 | 0.46 | 1.72 | 2.88 | 1.78 | 0.00 | 0.00 | 0.00 | 0.03 | 6.36 | 50.74 |
| 55-59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 1.11 | 2.14 | 3.84 | 0.00 | 0.00 | 0.00 | 0.05 | 6.91 | 57.65 |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.65 | 1.64 | 3.76 | 2.21 | 0.00 | 0.00 | 0.07 | 7.37 | 65.02 |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.37 | 1.39 | 2.80 | 4.39 | 0.00 | 0.00 | 0.11 | 8.41 | 73.43 |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.99 | 2.23 | 3.25 | 0.70 | 0.00 | 0.08 | 9.06 | 82.49 |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.43 | 1.65 | 2.26 | 0.69 | 0.00 | 0.04 | 5.10 | 94.98 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.08 | 0.76 | 1.62 | 0.49 | 0.00 | 0.03 | 2.99 | 97.97 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.80 | 0.38 | 0.00 | 0.01 | 1.38 | 99.36 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.11 | 0.00 | 0.00 | 0.30 | 99.66 |
| ≥ 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.18 | 0.11 | 0.00 | 0.00 | 0.02 | 99.68 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.02 | 100.00 |
| TOTAL CUMUL | 0.55 | 2.15 | 3.92 | 9.13 | 18.43 | 16.73 | 13.94 | 17.00 | 14.72 | 2.39 | 0.00 | 1.03 | 100.00 | |
| TOTAL | 0.55 | 2.70 | 6.62 | 15.75 | 34.18 | 50.91 | 64.86 | 81.85 | 96.58 | 98.97 | 98.97 | 100.00 | | |

TOTAL OBSERVATIONS = 131496

*Calculated from 5-foot relative humidity and 5.5-foot temperature.

Table 329. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 64 degrees at Specified Air Temperatures (°F). January 1950–December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.3 | 5.6 | 10.5 | 19.8 | 27.5 | 9.6 | 4.3 | 0.0 | 0.0 | 77.5 |
| 67-68 | 0.0 | 0.0 | 0.0 | 1.4 | 7.3 | 21.4 | 41.7 | 41.3 | 15.5 | 5.9 | 0.4 | 0.0 | 134.8 |
| 69 | 0.0 | 0.0 | 0.0 | 0.9 | 5.4 | 13.9 | 22.9 | 20.6 | 8.4 | 2.2 | 0.0 | 0.0 | 74.3 |
| 70 | 0.0 | 0.0 | 0.0 | 0.5 | 4.2 | 12.7 | 19.7 | 19.2 | 7.9 | 1.7 | 0.0 | 0.0 | 66.0 |
| 71 | 0.0 | 0.0 | 0.0 | 1.1 | 3.5 | 13.4 | 21.9 | 22.0 | 9.1 | 2.2 | 0.0 | 0.0 | 73.2 |
| 72 | 0.0 | 0.0 | 0.0 | 1.2 | 4.7 | 13.0 | 19.4 | 20.5 | 7.3 | 1.3 | 0.0 | 0.0 | 67.4 |
| 73 | 0.0 | 0.0 | 0.0 | 1.1 | 5.2 | 14.3 | 22.5 | 21.1 | 9.3 | 1.4 | 0.0 | 0.0 | 74.8 |
| 74 | 0.0 | 0.0 | 0.0 | 1.1 | 4.2 | 12.4 | 18.3 | 16.5 | 6.7 | 1.3 | 0.0 | 0.0 | 60.4 |
| 75 | 0.0 | 0.0 | 0.0 | 0.9 | 4.3 | 12.7 | 19.2 | 20.9 | 8.8 | 1.6 | 0.0 | 0.0 | 68.3 |
| 76 | 0.0 | 0.0 | 0.0 | 0.7 | 3.9 | 11.7 | 17.7 | 18.5 | 6.9 | 1.3 | 0.0 | 0.0 | 60.7 |
| 77 | 0.0 | 0.0 | 0.0 | 1.1 | 5.3 | 15.2 | 20.3 | 18.7 | 5.7 | 1.5 | 0.0 | 0.0 | 67.7 |
| 78 | 0.0 | 0.0 | 0.0 | 1.3 | 5.0 | 12.7 | 21.1 | 18.9 | 6.2 | 1.3 | 0.0 | 0.0 | 66.4 |
| 79 | 0.0 | 0.0 | 0.0 | 0.6 | 4.4 | 11.0 | 16.3 | 17.3 | 4.1 | 1.0 | 0.0 | 0.0 | 54.6 |
| 80 | 0.0 | 0.0 | 0.0 | 0.9 | 4.9 | 13.2 | 19.6 | 17.2 | 5.7 | 1.6 | 0.0 | 0.0 | 63.2 |
| 81 | 0.0 | 0.0 | 0.0 | 0.5 | 3.0 | 11.3 | 15.9 | 13.8 | 4.8 | 1.4 | 0.0 | 0.0 | 50.7 |
| 82 | 0.0 | 0.0 | 0.0 | 0.4 | 4.3 | 12.0 | 19.3 | 14.5 | 4.9 | 0.8 | 0.0 | 0.0 | 56.2 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 9.1 | 13.8 | 9.8 | 3.5 | 0.6 | 0.0 | 0.0 | 40.0 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 3.1 | 10.3 | 13.1 | 8.8 | 4.1 | 0.5 | 0.0 | 0.0 | 39.9 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 8.2 | 10.9 | 6.9 | 2.8 | 0.1 | 0.0 | 0.0 | 30.7 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 7.0 | 9.7 | 7.7 | 3.7 | 0.2 | 0.0 | 0.0 | 30.2 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 6.9 | 8.4 | 7.1 | 3.2 | 0.1 | 0.0 | 0.0 | 26.8 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.8 | 5.0 | 3.9 | 2.5 | 0.0 | 0.0 | 0.0 | 16.7 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 5.1 | 3.9 | 3.5 | 2.6 | 0.0 | 0.0 | 0.0 | 15.3 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.7 | 3.5 | 2.3 | 0.0 | 0.0 | 0.0 | 11.7 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.7 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 7.2 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 4.0 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.8 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 14 | 87 | 269 | 408 | 385 | 149 | 32 | 0 | 0 | 1344 |

Table 330. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 67 degrees at Specified Air Temperatures (°F). January 1950–December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.1 | 8.1 | 10.3 | 1.5 | 1.1 | 0.0 | 0.0 | 24.7 |
| 69 | 0.0 | 0.0 | 0.0 | 0.1 | 0.8 | 5.1 | 11.3 | 13.1 | 3.7 | 0.9 | 0.0 | 0.0 | 35.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.2 | 1.6 | 7.9 | 12.5 | 13.7 | 4.3 | 0.9 | 0.0 | 0.0 | 41.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 7.0 | 14.2 | 16.1 | 4.7 | 1.5 | 0.0 | 0.0 | 44.7 |
| 72 | 0.0 | 0.0 | 0.0 | 0.2 | 1.9 | 8.7 | 13.9 | 14.7 | 4.1 | 0.8 | 0.0 | 0.0 | 44.3 |
| 73 | 0.0 | 0.0 | 0.0 | 0.1 | 2.9 | 8.3 | 15.1 | 15.1 | 5.4 | 0.9 | 0.0 | 0.0 | 47.8 |
| 74 | 0.0 | 0.0 | 0.0 | 0.3 | 2.5 | 7.9 | 13.4 | 10.9 | 4.0 | 0.3 | 0.0 | 0.0 | 39.3 |
| 75 | 0.0 | 0.0 | 0.0 | 0.4 | 2.2 | 8.7 | 12.7 | 14.5 | 5.5 | 0.7 | 0.0 | 0.0 | 44.8 |
| 76 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 8.7 | 12.6 | 14.3 | 4.9 | 0.8 | 0.0 | 0.0 | 43.8 |
| 77 | 0.0 | 0.0 | 0.0 | 0.6 | 3.2 | 11.1 | 13.7 | 13.2 | 3.7 | 0.8 | 0.0 | 0.0 | 46.3 |
| 78 | 0.0 | 0.0 | 0.0 | 0.8 | 3.0 | 9.5 | 14.4 | 14.5 | 4.5 | 0.8 | 0.0 | 0.0 | 47.5 |
| 79 | 0.0 | 0.0 | 0.0 | 0.5 | 2.7 | 8.4 | 11.7 | 13.5 | 3.0 | 0.7 | 0.0 | 0.0 | 40.5 |
| 80 | 0.0 | 0.0 | 0.0 | 0.7 | 3.2 | 10.5 | 14.3 | 13.1 | 4.5 | 1.0 | 0.0 | 0.0 | 47.3 |
| 81 | 0.0 | 0.0 | 0.0 | 0.4 | 2.0 | 8.7 | 12.1 | 10.9 | 3.9 | 0.5 | 0.0 | 0.0 | 38.5 |
| 82 | 0.0 | 0.0 | 0.0 | 0.3 | 2.9 | 9.9 | 15.1 | 12.9 | 4.1 | 0.3 | 0.0 | 0.0 | 45.5 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 7.4 | 12.2 | 9.1 | 3.0 | 0.5 | 0.0 | 0.0 | 34.8 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 2.5 | 8.9 | 11.9 | 8.2 | 3.2 | 0.3 | 0.0 | 0.0 | 35.0 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 8.0 | 10.7 | 6.7 | 2.1 | 0.1 | 0.0 | 0.0 | 29.1 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 6.7 | 9.1 | 7.5 | 3.5 | 0.2 | 0.0 | 0.0 | 28.4 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 6.7 | 8.1 | 7.0 | 3.1 | 0.1 | 0.0 | 0.0 | 26.1 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 4.8 | 5.0 | 3.9 | 2.5 | 0.0 | 0.0 | 0.0 | 16.5 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 5.1 | 3.8 | 3.5 | 2.6 | 0.0 | 0.0 | 0.0 | 15.2 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.7 | 3.5 | 2.3 | 0.0 | 0.0 | 0.0 | 11.7 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.7 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 7.2 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 4.0 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.8 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 5 | 42 | 178 | 263 | 255 | 87 | 13 | 0 | 0 | 844 |

Table 331. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 68 degrees at Specified Air Temperatures (°F). January 1950--December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 5.8 | 8.3 | 2.5 | 0.3 | 0.0 | 0.0 | 19.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.9 | 8.0 | 10.8 | 3.1 | 0.4 | 0.0 | 0.0 | 26.5 |
| 71 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 4.8 | 10.9 | 12.6 | 3.5 | 1.0 | 0.0 | 0.0 | 33.1 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 6.7 | 11.6 | 13.0 | 3.2 | 0.6 | 0.0 | 0.0 | 36.0 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 6.1 | 12.5 | 12.5 | 4.3 | 0.4 | 0.0 | 0.0 | 37.5 |
| 74 | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 6.8 | 11.2 | 9.4 | 3.7 | 0.3 | 0.0 | 0.0 | 35.4 |
| 75 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 7.4 | 11.1 | 12.8 | 4.7 | 0.6 | 0.0 | 0.0 | 38.3 |
| 76 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 7.1 | 11.2 | 11.9 | 3.8 | 0.5 | 0.0 | 0.0 | 36.1 |
| 77 | 0.0 | 0.0 | 0.0 | 0.3 | 2.5 | 9.6 | 11.3 | 10.7 | 3.0 | 0.5 | 0.0 | 0.0 | 37.8 |
| 78 | 0.0 | 0.0 | 0.0 | 0.3 | 2.1 | 8.2 | 11.5 | 12.5 | 3.6 | 0.6 | 0.0 | 0.0 | 38.9 |
| 79 | 0.0 | 0.0 | 0.0 | 0.4 | 2.1 | 7.2 | 10.3 | 11.4 | 2.5 | 0.3 | 0.0 | 0.0 | 34.2 |
| 80 | 0.0 | 0.0 | 0.0 | 0.4 | 2.4 | 6.7 | 11.9 | 10.5 | 3.6 | 0.9 | 0.0 | 0.0 | 38.4 |
| 81 | 0.0 | 0.0 | 0.0 | 0.4 | 1.7 | 7.5 | 10.8 | 9.1 | 3.3 | 0.5 | 0.0 | 0.0 | 33.3 |
| 82 | 0.0 | 0.0 | 0.0 | 0.3 | 2.5 | 8.5 | 13.5 | 11.8 | 3.6 | 0.3 | 0.0 | 0.0 | 40.5 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 6.6 | 10.5 | 8.2 | 2.7 | 0.4 | 0.0 | 0.0 | 30.6 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 2.1 | 8.2 | 10.8 | 7.3 | 2.6 | 0.3 | 0.0 | 0.0 | 31.4 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 7.5 | 9.7 | 6.2 | 2.0 | 0.1 | 0.0 | 0.0 | 26.7 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 6.7 | 8.8 | 7.2 | 3.1 | 0.2 | 0.0 | 0.0 | 27.3 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.6 | 7.9 | 6.7 | 2.9 | 0.1 | 0.0 | 0.0 | 25.1 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 4.5 | 4.9 | 3.9 | 2.4 | 0.0 | 0.0 | 0.0 | 15.9 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 3.7 | 3.5 | 2.3 | 0.0 | 0.0 | 0.0 | 14.7 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.2 | 2.7 | 3.5 | 2.3 | 0.0 | 0.0 | 0.0 | 11.7 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.7 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 7.2 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 4.0 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.8 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 3 | 29 | 146 | 215 | 209 | 72 | 9 | 0 | 0 | 683 |

Table 332. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 69 degrees at Specified Air Temperatures (°F). January 1950--December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 4.7 | 8.7 | 2.0 | 0.3 | 0.0 | 0.0 | 17.9 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.5 | 7.9 | 9.9 | 2.3 | 0.8 | 0.0 | 0.0 | 23.5 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 4.9 | 9.3 | 11.5 | 2.7 | 0.5 | 0.0 | 0.0 | 29.1 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.6 | 10.9 | 10.9 | 3.5 | 0.7 | 0.0 | 0.0 | 30.9 |
| 74 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 5.4 | 9.9 | 7.9 | 3.1 | 0.3 | 0.0 | 0.0 | 27.6 |
| 75 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 6.0 | 9.3 | 10.5 | 3.8 | 0.5 | 0.0 | 0.0 | 30.6 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 6.3 | 9.8 | 10.9 | 2.9 | 0.5 | 0.0 | 0.0 | 31.3 |
| 77 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 7.7 | 9.7 | 8.9 | 2.3 | 0.3 | 0.0 | 0.0 | 30.5 |
| 78 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | 7.4 | 9.9 | 10.9 | 2.9 | 0.4 | 0.0 | 0.0 | 33.3 |
| 79 | 0.0 | 0.0 | 0.0 | 0.1 | 1.8 | 6.1 | 8.9 | 9.8 | 1.9 | 0.3 | 0.0 | 0.0 | 28.9 |
| 80 | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 7.5 | 10.4 | 8.8 | 2.5 | 0.7 | 0.0 | 0.0 | 32.1 |
| 81 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | 6.7 | 8.9 | 7.7 | 2.5 | 0.5 | 0.0 | 0.0 | 27.7 |
| 82 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 7.6 | 12.1 | 9.9 | 3.1 | 0.2 | 0.0 | 0.0 | 35.3 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 5.5 | 9.5 | 7.1 | 2.1 | 0.3 | 0.0 | 0.0 | 26.3 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 2.1 | 7.4 | 10.3 | 6.7 | 2.3 | 0.3 | 0.0 | 0.0 | 29.1 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 7.0 | 9.0 | 5.7 | 1.7 | 0.1 | 0.0 | 0.0 | 24.7 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 6.4 | 8.7 | 6.6 | 2.6 | 0.2 | 0.0 | 0.0 | 25.7 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.0 | 7.7 | 6.3 | 2.4 | 0.1 | 0.0 | 0.0 | 23.4 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 4.5 | 4.7 | 3.8 | 2.0 | 0.0 | 0.0 | 0.0 | 15.2 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.9 | 3.7 | 3.5 | 2.3 | 0.0 | 0.0 | 0.0 | 14.5 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 2.7 | 3.5 | 2.1 | 0.0 | 0.0 | 0.0 | 11.4 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.7 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 7.2 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 4.0 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.8 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 1 | 21 | 123 | 183 | 174 | 56 | 7 | 0 | 0 | 566 |

Table 333. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 70 degrees at Specified Air Temperature (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.6 | 6.4 | 1.3 | 0.2 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 5.9 | 9.2 | 1.6 | 0.3 | 0.0 | 0.0 | 19.2 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 7.5 | 8.6 | 2.8 | 0.5 | 0.0 | 0.0 | 21.9 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.3 | 7.0 | 5.9 | 1.8 | 0.2 | 0.0 | 0.0 | 18.3 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 4.3 | 7.4 | 8.1 | 2.9 | 0.4 | 0.0 | 0.0 | 23.5 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 4.7 | 8.0 | 9.2 | 1.5 | 0.3 | 0.0 | 0.0 | 24.4 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 6.0 | 7.8 | 7.1 | 1.9 | 0.1 | 0.0 | 0.0 | 23.5 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 5.8 | 7.5 | 8.7 | 2.3 | 0.2 | 0.0 | 0.0 | 25.5 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 4.9 | 7.1 | 7.5 | 1.5 | 0.3 | 0.0 | 0.0 | 22.6 |
| 80 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 5.4 | 8.3 | 6.7 | 1.7 | 0.6 | 0.0 | 0.0 | 25.3 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 5.9 | 6.9 | 6.5 | 1.4 | 0.3 | 0.0 | 0.0 | 21.7 |
| 82 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 6.7 | 9.1 | 8.5 | 2.0 | 0.2 | 0.0 | 0.0 | 28.3 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 4.8 | 7.7 | 5.9 | 1.9 | 0.3 | 0.0 | 0.0 | 22.1 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 1.5 | 6.1 | 8.0 | 6.1 | 1.4 | 0.2 | 0.0 | 0.0 | 23.3 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.7 | 7.8 | 4.7 | 1.1 | 0.1 | 0.0 | 0.0 | 20.3 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 5.0 | 7.5 | 5.7 | 2.4 | 0.2 | 0.0 | 0.0 | 21.9 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 4.9 | 6.9 | 6.1 | 2.1 | 0.1 | 0.0 | 0.0 | 20.9 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.2 | 4.5 | 3.6 | 1.7 | 0.0 | 0.0 | 0.0 | 14.2 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 3.7 | 3.5 | 2.2 | 0.0 | 0.0 | 0.0 | 13.5 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 2.7 | 3.5 | 2.1 | 0.0 | 0.0 | 0.0 | 11.3 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 1.7 | 2.5 | 1.3 | 0.0 | 0.0 | 0.0 | 7.2 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.5 | 0.8 | 0.0 | 0.0 | 0.0 | 4.0 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.8 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.5 | 0.0 | 0.0 | 0.0 | 1.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.3 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 0 | 14 | 95 | 139 | 137 | 41 | 4 | 0 | 0 | 431 |

Table 334. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 71 degrees at Specified Air Temperatures (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 3.3 | 6.8 | 0.7 | 0.1 | 0.0 | 0.0 | 11.7 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.9 | 6.7 | 1.6 | 0.3 | 0.0 | 0.0 | 15.0 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | 4.9 | 4.5 | 1.5 | 0.2 | 0.0 | 0.0 | 12.9 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.4 | 4.9 | 6.5 | 2.1 | 0.3 | 0.0 | 0.0 | 16.3 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.5 | 6.4 | 7.0 | 0.9 | 0.1 | 0.0 | 0.0 | 18.2 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 5.1 | 6.4 | 6.1 | 1.2 | 0.1 | 0.0 | 0.0 | 19.3 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 4.4 | 6.3 | 7.1 | 1.8 | 0.1 | 0.0 | 0.0 | 20.3 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 3.7 | 5.9 | 5.9 | 1.1 | 0.1 | 0.0 | 0.0 | 17.7 |
| 80 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 5.3 | 6.6 | 5.7 | 0.9 | 0.5 | 0.0 | 0.0 | 20.1 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 5.1 | 5.8 | 5.5 | 1.2 | 0.2 | 0.0 | 0.0 | 18.5 |
| 82 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 5.8 | 7.2 | 7.6 | 1.1 | 0.2 | 0.0 | 0.0 | 23.1 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 4.2 | 6.3 | 5.1 | 1.3 | 0.2 | 0.0 | 0.0 | 18.5 |
| 84 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 5.6 | 7.0 | 5.5 | 1.3 | 0.2 | 0.0 | 0.0 | 20.9 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 4.7 | 7.1 | 4.1 | 0.7 | 0.1 | 0.0 | 0.0 | 17.3 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 4.3 | 6.6 | 5.2 | 2.1 | 0.2 | 0.0 | 0.0 | 19.3 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 4.2 | 6.1 | 5.7 | 1.9 | 0.1 | 0.0 | 0.0 | 18.9 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.5 | 4.3 | 3.4 | 1.3 | 0.0 | 0.0 | 0.0 | 12.5 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.5 | 3.5 | 3.2 | 1.9 | 0.0 | 0.0 | 0.0 | 12.1 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 2.7 | 3.3 | 1.8 | 0.0 | 0.0 | 0.0 | 10.1 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.7 | 2.2 | 1.3 | 0.0 | 0.0 | 0.0 | 6.7 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.1 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 | 3.8 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.7 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.4 | 0.0 | 0.0 | 0.0 | 1.3 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 0 | 10 | 75 | 111 | 110 | 29 | 3 | 0 | 0 | 336 |

Table 335. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 72 degrees at Specified Air Temperatures (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.8 | 4.1 | 0.7 | 0.1 | 0.0 | 0.0 | 8.3 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 3.1 | 3.3 | 0.9 | 0.2 | 0.0 | 0.0 | 8.4 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.4 | 3.3 | 4.3 | 1.1 | 0.1 | 0.0 | 0.0 | 10.3 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.7 | 4.8 | 4.9 | 0.5 | 0.1 | 0.0 | 0.0 | 12.0 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.1 | 4.5 | 4.4 | 0.9 | 0.1 | 0.0 | 0.0 | 13.2 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.9 | 4.0 | 4.6 | 1.0 | 0.0 | 0.0 | 0.0 | 12.7 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.5 | 3.9 | 4.3 | 0.7 | 0.1 | 0.0 | 0.0 | 11.9 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.9 | 5.0 | 4.4 | 0.5 | 0.1 | 0.0 | 0.0 | 14.1 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 4.0 | 4.3 | 4.7 | 0.8 | 0.0 | 0.0 | 0.0 | 14.1 |
| 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 4.7 | 5.2 | 6.0 | 0.5 | 0.2 | 0.0 | 0.0 | 17.3 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 3.2 | 4.9 | 4.1 | 0.6 | 0.1 | 0.0 | 0.0 | 13.6 |
| 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 4.3 | 5.7 | 4.2 | 0.9 | 0.1 | 0.0 | 0.0 | 15.9 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 3.6 | 5.7 | 3.2 | 0.5 | 0.1 | 0.0 | 0.0 | 13.5 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.3 | 5.2 | 4.2 | 1.1 | 0.2 | 0.0 | 0.0 | 14.4 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 3.9 | 5.1 | 4.9 | 1.3 | 0.1 | 0.0 | 0.0 | 16.0 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.8 | 3.9 | 3.1 | 0.8 | 0.0 | 0.0 | 0.0 | 10.6 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.1 | 2.8 | 1.3 | 0.0 | 0.0 | 0.0 | 10.3 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 2.6 | 3.0 | 1.8 | 0.0 | 0.0 | 0.0 | 9.6 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.6 | 1.9 | 1.0 | 0.0 | 0.0 | 0.0 | 5.7 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 1.3 | 0.6 | 0.0 | 0.0 | 0.0 | 3.5 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.3 | 0.0 | 0.0 | 0.0 | 1.7 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 1.3 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 0 | 5 | 55 | 82 | 79 | 18 | 1 | 0 | 0 | 241 |

Table 336. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 73 degrees at Specified Air Temperatures (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 2.1 | 1.8 | 0.5 | 0.2 | 0.0 | 0.0 | 5.0 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 2.1 | 3.2 | 0.5 | 0.1 | 0.0 | 0.0 | 6.9 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 3.2 | 3.6 | 0.2 | 0.1 | 0.0 | 0.0 | 8.0 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 3.5 | 3.3 | 0.6 | 0.1 | 0.0 | 0.0 | 9.7 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.1 | 2.3 | 3.8 | 0.7 | 0.0 | 0.0 | 0.0 | 9.1 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 1.9 | 2.2 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 7.3 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.1 | 3.7 | 3.0 | 0.3 | 0.1 | 0.0 | 0.0 | 10.3 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.9 | 2.9 | 3.6 | 0.7 | 0.0 | 0.0 | 0.0 | 10.3 |
| 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.3 | 4.2 | 4.5 | 0.3 | 0.1 | 0.0 | 0.0 | 12.6 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.4 | 3.2 | 3.3 | 0.3 | 0.1 | 0.0 | 0.0 | 9.9 |
| 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 3.1 | 4.3 | 3.4 | 0.7 | 0.1 | 0.0 | 0.0 | 12.1 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.1 | 4.8 | 2.9 | 0.3 | 0.1 | 0.0 | 0.0 | 11.5 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.9 | 4.5 | 3.6 | 0.9 | 0.2 | 0.0 | 0.0 | 12.4 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.3 | 4.7 | 4.4 | 0.7 | 0.1 | 0.0 | 0.0 | 13.8 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.5 | 3.6 | 3.0 | 0.6 | 0.0 | 0.0 | 0.0 | 9.8 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 3.1 | 2.7 | 0.8 | 0.0 | 0.0 | 0.0 | 9.5 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 2.3 | 2.7 | 1.1 | 0.0 | 0.0 | 0.0 | 8.1 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.4 | 1.7 | 0.8 | 0.0 | 0.0 | 0.0 | 5.1 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.0 | 1.2 | 0.4 | 0.0 | 0.0 | 0.0 | 3.1 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.7 | 0.2 | 0.0 | 0.0 | 0.0 | 1.7 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.3 | 0.0 | 0.0 | 0.0 | 1.2 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 1.3 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 0 | 4 | 43 | 61 | 59 | 12 | 1 | 0 | 0 | 180 |

Table 337. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 74 degrees at Specified Air Temperatures (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 0.9 | 0.1 | 0.0 | 0.0 | 0.0 | 2.3 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.6 | 1.7 | 0.1 | 0.0 | 0.0 | 0.0 | 3.8 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 1.8 | 2.1 | 0.1 | 0.0 | 0.0 | 0.0 | 5.3 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.0 | 1.2 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 4.9 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.2 | 1.3 | 1.7 | 0.3 | 0.0 | 0.0 | 0.0 | 4.5 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 2.1 | 1.7 | 0.2 | 0.1 | 0.0 | 0.0 | 5.9 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.6 | 1.3 | 2.1 | 0.1 | 0.0 | 0.0 | 0.0 | 5.3 |
| 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 2.5 | 3.1 | 0.1 | 0.0 | 0.0 | 0.0 | 8.1 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.3 | 2.1 | 1.9 | 0.3 | 0.0 | 0.0 | 0.0 | 5.8 |
| 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.3 | 2.9 | 2.4 | 0.4 | 0.1 | 0.0 | 0.0 | 8.2 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 2.9 | 2.1 | 0.3 | 0.1 | 0.0 | 0.0 | 7.8 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.4 | 3.3 | 2.8 | 0.3 | 0.1 | 0.0 | 0.0 | 9.1 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 2.3 | 3.9 | 3.4 | 0.3 | 0.0 | 0.0 | 0.0 | 10.3 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 3.1 | 2.6 | 0.5 | 0.0 | 0.0 | 0.0 | 8.4 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 2.8 | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 7.9 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.9 | 2.2 | 0.3 | 0.0 | 0.0 | 0.0 | 5.9 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.2 | 1.5 | 0.5 | 0.0 | 0.0 | 0.0 | 4.1 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.9 | 1.2 | 0.3 | 0.0 | 0.0 | 0.0 | 2.8 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.6 | 0.2 | 0.0 | 0.0 | 0.0 | 1.6 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 1.1 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 1.1 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| TOTAL | 0 | 0 | 0 | 0 | 2 | 29 | 40 | 39 | 5 | 0 | 0 | 0 | 115 |

Table 338. Average Number of Hourly Observations per Year of Wet-bulb Temperature (°F) Exceeding 79 degrees at Specified Air Temperatures (°F). January 1950-December 1964

| TEMPERATURE (°F) | MONTH | | | | | | | | | | | | TOTAL |
|---------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | |
| 65-66 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67-68 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 69 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 76 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 78 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 79 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 81 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 84 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 90 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 |
| 93 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| 94 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| 95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 |
| >95 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 5 |

Table 339. Joint Percentage Frequency Distribution of 2-hour, 11-hour and 23-hour Range of 5-foot Relative Humidity in Percent and of 5.5-foot Temperature (°F). January 1950-December 1964

2 HOUR TIME INTERVAL

| RANGE OF TEMPERATURE (°F) | RANGE OF RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | | | MISSING | TOTAL |
|---------------------------|---------------------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 50-59 | 60-69 | 70-79 | ≥ 80 | | |
| 0-2 | 36.767 | 14.169 | 4.081 | 1.092 | 0.409 | 0.137 | 0.052 | 0.013 | 0.008 | 0.002 | 0.000 | 0.000 | 0.001 | 0.427 | 57.16 |
| 3-5 | 8.401 | 9.743 | 5.874 | 2.449 | 0.934 | 0.310 | 0.135 | 0.050 | 0.026 | 0.004 | 0.000 | 0.000 | 0.000 | 0.214 | 28.14 |
| 6-8 | 1.063 | 2.209 | 2.718 | 2.029 | 1.165 | 0.527 | 0.203 | 0.070 | 0.047 | 0.008 | 0.001 | 0.000 | 0.000 | 0.071 | 10.09 |
| 9-11 | 0.186 | 0.370 | 0.651 | 0.703 | 0.591 | 0.365 | 0.233 | 0.103 | 0.056 | 0.008 | 0.001 | 0.000 | 0.000 | 0.027 | 3.29 |
| 12-14 | 0.040 | 0.048 | 0.100 | 0.121 | 0.125 | 0.106 | 0.103 | 0.057 | 0.040 | 0.009 | 0.001 | 0.000 | 0.000 | 0.007 | 0.75 |
| 15-19 | 0.013 | 0.012 | 0.017 | 0.019 | 0.020 | 0.028 | 0.031 | 0.024 | 0.025 | 0.008 | 0.000 | 0.000 | 0.000 | 0.002 | 0.20 |
| 20-24 | 0.001 | 0.002 | 0.002 | 0.000 | 0.003 | 0.001 | 0.000 | 0.002 | 0.002 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 |
| 25-29 | 0.005 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 |
| 30-34 | 0.003 | 0.002 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 |
| 35-39 | 0.002 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 |
| 40-44 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| 45-49 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| ≥ 50 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| MISSING | 0.063 | 0.032 | 0.013 | 0.008 | 0.005 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.215 | 0.00 |
| TOTAL | 46.543 | 26.588 | 13.458 | 6.421 | 3.231 | 1.474 | 0.757 | 0.319 | 0.204 | 0.041 | 0.002 | 0.000 | 0.002 | 0.959 | 100.00 |

NUMBER OF OBSERVATIONS = 131494

11 HOUR TIME INTERVAL

| RANGE OF TEMPERATURE (°F) | RANGE OF RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | | | MISSING | TOTAL |
|---------------------------|---------------------------------------|-------|-------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|---------|--------|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 50-59 | 60-69 | 70-79 | ≥ 80 | | |
| 0-2 | 1.078 | 0.746 | 0.742 | 0.421 | 0.252 | 0.134 | 0.083 | 0.026 | 0.022 | 0.010 | 0.000 | 0.000 | 0.000 | 0.048 | 3.56 |
| 3-5 | 1.633 | 1.879 | 2.486 | 2.094 | 1.555 | 1.038 | 0.608 | 0.342 | 0.221 | 0.056 | 0.000 | 0.000 | 0.002 | 0.122 | 12.04 |
| 6-8 | 0.797 | 1.374 | 2.333 | 2.739 | 2.645 | 1.920 | 1.347 | 0.770 | 0.679 | 0.161 | 0.019 | 0.001 | 0.004 | 0.126 | 14.92 |
| 9-11 | 0.441 | 0.771 | 1.631 | 2.398 | 2.905 | 2.946 | 2.356 | 1.485 | 1.466 | 0.343 | 0.027 | 0.000 | 0.004 | 0.151 | 16.93 |
| 12-14 | 0.175 | 0.302 | 0.890 | 1.574 | 2.141 | 2.507 | 2.574 | 2.130 | 2.531 | 0.657 | 0.084 | 0.005 | 0.000 | 0.148 | 15.85 |
| 15-19 | 0.129 | 0.283 | 0.688 | 1.200 | 1.840 | 2.478 | 2.993 | 3.361 | 5.353 | 2.112 | 0.341 | 0.017 | 0.002 | 0.222 | 21.02 |
| 20-24 | 0.017 | 0.089 | 0.166 | 0.295 | 0.569 | 0.852 | 1.064 | 1.373 | 3.251 | 2.199 | 0.515 | 0.046 | 0.000 | 0.103 | 10.54 |
| 25-29 | 0.002 | 0.008 | 0.060 | 0.102 | 0.157 | 0.224 | 0.312 | 0.378 | 0.932 | 0.926 | 0.447 | 0.049 | 0.000 | 0.048 | 3.64 |
| 30-34 | 0.003 | 0.002 | 0.006 | 0.020 | 0.041 | 0.042 | 0.098 | 0.097 | 0.196 | 0.224 | 0.125 | 0.037 | 0.000 | 0.014 | 0.91 |
| 35-39 | 0.001 | 0.002 | 0.001 | 0.005 | 0.010 | 0.016 | 0.014 | 0.013 | 0.032 | 0.041 | 0.024 | 0.002 | 0.000 | 0.002 | 0.16 |
| 40-44 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.004 | 0.004 | 0.001 | 0.006 | 0.003 | 0.003 | 0.000 | 0.000 | 0.02 |
| 45-49 | 0.000 | 0.000 | 0.002 | 0.001 | 0.002 | 0.001 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.01 |
| ≥ 50 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| MISSING | 0.000 | 0.014 | 0.010 | 0.030 | 0.022 | 0.035 | 0.025 | 0.009 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.263 | 0.42 |
| TOTAL | 4.276 | 5.550 | 9.014 | 10.878 | 12.138 | 12.191 | 11.481 | 9.988 | 14.744 | 6.735 | 1.586 | 0.160 | 0.011 | 1.247 | 100.00 |

NUMBER OF OBSERVATIONS = 131485

23 HOUR TIME INTERVAL

| RANGE OF TEMPERATURE (°F) | RANGE OF RELATIVE HUMIDITY IN PERCENT | | | | | | | | | | | | | MISSING | TOTAL |
|---------------------------|---------------------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|-------|---------|--------|
| | 0-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 50-59 | 60-69 | 70-79 | ≥ 80 | | |
| 0-2 | 0.084 | 0.035 | 0.075 | 0.049 | 0.019 | 0.022 | 0.005 | 0.005 | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.30 |
| 3-5 | 0.374 | 0.245 | 0.493 | 0.450 | 0.434 | 0.358 | 0.228 | 0.120 | 0.176 | 0.056 | 0.002 | 0.000 | 0.000 | 0.040 | 2.98 |
| 6-8 | 0.284 | 0.346 | 0.615 | 0.891 | 1.072 | 0.786 | 0.790 | 0.428 | 0.404 | 0.149 | 0.024 | 0.000 | 0.000 | 0.070 | 5.86 |
| 9-11 | 0.170 | 0.206 | 0.546 | 0.952 | 1.209 | 1.487 | 1.476 | 1.065 | 1.232 | 0.461 | 0.061 | 0.004 | 0.005 | 0.106 | 8.97 |
| 12-14 | 0.116 | 0.155 | 0.381 | 0.729 | 1.180 | 1.663 | 1.987 | 1.724 | 2.646 | 0.967 | 0.144 | 0.019 | 0.011 | 0.137 | 11.86 |
| 15-19 | 0.070 | 0.140 | 0.408 | 0.785 | 1.533 | 2.197 | 3.300 | 4.168 | 8.059 | 4.303 | 0.842 | 0.056 | 0.018 | 0.364 | 26.24 |
| 20-24 | 0.021 | 0.047 | 0.221 | 0.390 | 0.651 | 1.399 | 1.731 | 2.743 | 8.336 | 7.250 | 1.968 | 0.124 | 0.000 | 0.285 | 25.17 |
| 25-29 | 0.002 | 0.033 | 0.084 | 0.230 | 0.304 | 0.587 | 0.786 | 1.195 | 3.174 | 3.844 | 1.794 | 0.211 | 0.007 | 0.165 | 12.42 |
| 30-34 | 0.004 | 0.002 | 0.021 | 0.027 | 0.132 | 0.211 | 0.332 | 0.441 | 0.907 | 1.238 | 0.746 | 0.202 | 0.000 | 0.088 | 4.35 |
| 35-39 | 0.000 | 0.000 | 0.003 | 0.005 | 0.027 | 0.062 | 0.107 | 0.119 | 0.255 | 0.234 | 0.162 | 0.011 | 0.000 | 0.023 | 1.01 |
| 40-44 | 0.000 | 0.000 | 0.000 | 0.005 | 0.011 | 0.017 | 0.023 | 0.016 | 0.044 | 0.065 | 0.049 | 0.023 | 0.000 | 0.000 | 0.25 |
| 45-49 | 0.000 | 0.000 | 0.000 | 0.002 | 0.002 | 0.006 | 0.003 | 0.022 | 0.009 | 0.009 | 0.004 | 0.000 | 0.000 | 0.002 | 0.06 |
| ≥ 50 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 |
| MISSING | 0.000 | 0.008 | 0.002 | 0.009 | 0.010 | 0.036 | 0.042 | 0.032 | 0.059 | 0.008 | 0.000 | 0.000 | 0.000 | 0.324 | 0.53 |
| TOTAL | 1.125 | 1.216 | 2.848 | 4.523 | 6.582 | 8.827 | 10.811 | 12.078 | 25.307 | 18.584 | 5.795 | 0.653 | 0.042 | 1.609 | 100.00 |

NUMBER OF OBSERVATIONS = 131473

Section 2.6

Relationship between Air Temperature, Solar Radiation,
Net Radiation, and Soil Temperature

Tables 340 through 346. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 5.5-foot Temperature ($^{\circ}\text{F}$) during the Hours 0400-2000 CST. Monthly and Total Period. September 1950-December 1964.

These tables show some correlation between air temperature and hourly totals of solar radiation. This, of course, is to be expected since the highest temperatures of the day usually occur in the early afternoon when hourly totals of solar radiation are high and the lowest temperatures usually occur in the early morning when solar radiation is zero. In addition, cloudy conditions during the day which produce low totals of solar radiation also produce lower temperatures.

Tables 347 through 353. Joint Percentage Frequency Distributions of 144-minus 5.5-foot Temperature Difference ($^{\circ}\text{F}$) and Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys during the Hours 0400-2000 CST. Monthly and Total Period. July 1951-December 1964.

The data in these tables indicate that there is a correlation between the magnitude of the solar radiation intensity and the temperature difference, i.e., high intensity of solar radiation tends to occur with extreme cases of atmospheric instability. This correlation is obscured in the winter months since the first and last hours of the period 0400 through 2000 CST are nighttime hours with no solar radiation and with stable temperature difference values.

Table 353, the summary table, shows that the solar radiation intensity values exceeding 46 Langleys are associated with a modal stability value in the -2.9 to -2.0 range. For most other solar radiation intensities the modal values lie in the neutral stability range of -0.9 to 0.0 $^{\circ}\text{F}$.

Tables 354 through 360. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 1- and 10-cm Soil Temperature ($^{\circ}\text{F}$) during the Hours 0400-2000 CST. Monthly and Total Period (1-cm depth). Total Period (10-cm depth). January 1953-December 1964.

These tables shown some correlation between the temperature of soil at depths of 1- and 10-cm and the hourly amount of solar radiation. The change of state from liquid to solid of water in the soil at 32 $^{\circ}\text{F}$ results in a strong maximum frequency in the 31-35 $^{\circ}\text{F}$ interval. This maximum frequency masks the correlation.

Table 361. Percentage Frequency Distribution of 5.5-foot Temperature ($^{\circ}\text{F}$) minus 1- and 10-cm Soil Temperature ($^{\circ}\text{F}$). Total Period. January 1953–December 1964.

The temperature of the soil is usually warmer than that of the air above. These data show that 75 percent of the time the temperature of the soil at 1 cm is warmer than or equal to that of the air; at 10 cm, the percentage is 69 percent. The magnitude and frequency of extreme differences between air and soil temperature, both positive and negative, are greater in winter than in summer. This is caused by the greater frequency of periods of strong warm and cold advection, the higher soil moisture at the surface, the thermal barrier created by phase changes of water and the insulating ability of a snow cover when present in winter. Large differences can occur in any month.

Figures 54 and 55. Average Hourly 5.5-foot Air minus 1- and 10-cm Soil Temperature Difference ($^{\circ}\text{F}$). January 1953–December 1964.

The month-to-month variation of these curves is striking. The winter months, i.e., December and January, show large negative differences, while February, March and April are transitional. In November during the midafternoon the air is still warmer than the soil, but by December the average soil temperature is higher during each hour of the day.

Another feature of interest is the double maximum evident in the 1-cm curves and hinted at in the 10-cm curves for April through September. Similar curves based on single years of data or curves for a single day show this double maximum even more strikingly. A discussion of the double maximum in the diurnal variation of air minus soil temperature difference is presented by Carson,⁷ while figures based on only three years of data show much greater dips in the noontime values of this difference.

Also of interest is the occurrence of the maximum negative difference at about sunrise in each month.

Tables 362 through 368. Joint Percentage Frequency Distribution of 144-minus 5.5-foot Temperature Difference ($^{\circ}\text{F}$) and Hourly Amounts of Net Radiation on a Horizontal Surface in Tenths of Langleys. Monthly and Total Period. June 1956–December 1964.

Generally, hourly totals of net radiation greater than 10.0 Langleys are associated with large negative values of vertical air temperature differences, that is, with unstable conditions. The temperature differences represent 10-, 2.5-, or 2-minute averages centered about the hour or within 5 minutes thereof (see Section 1.5). Negative hourly totals of net radiation are associated with stable conditions under which the temperature increases

with height. It is of interest that for all data with inversions greater than 4°F the net radiation interval -4.9 to -2.5 Langleys represents the modal frequency.

Tables 369 through 375. Joint Percentage Frequency Distribution of Hourly Amounts of Net Radiation on a Horizontal Surface in Tenths of Langleys and 5.5-foot Temperature ($^{\circ}\text{F}$). Monthly and Total Period. June 1956-December 1964.

The nighttime, negative net radiation regime and the daytime, positive net radiation regime are depicted in the tables. Also of interest are the marked differences between the summer and winter distributions.

Tables 376 through 382. Joint Percentage Frequency Distribution of Hourly Amounts of Net Radiation on a Horizontal Surface in Tenths of Langleys and 1- and 10-cm Soil Temperature ($^{\circ}\text{F}$). Monthly and Total Period (1-cm depth). Total Period (10-cm depth). June 1956-December 1964.

Two separate regimes are depicted by the data in these tables: the nighttime, outgoing radiation and the daytime, incoming radiation regimes. At night during the warm months the intensity of outgoing net radiation appears to vary inversely with soil temperature. This appears to be paradoxical since the radiation of a body varies directly with the fourth power of the surface temperature. This phenomenon may be explained by the strong outgoing radiation associated with cool dry air accompanying polar outbreaks. During the day there appears to be a positive correlation between hourly totals of net radiation flux and 1- and 10-cm soil temperature.

Tables 383 through 389. Joint Percentage Frequency Distribution of 144-minus 5.5-foot Temperature Difference ($^{\circ}\text{F}$) and 1- and 10-cm Soil Temperature ($^{\circ}\text{F}$). Monthly and Total Period (1-cm depth). Total Period (10-cm depth). January 1953-December 1964.

The atmosphere is warmed and cooled by heat transfer from the surface. One would, therefore, expect to find that with low soil temperatures there would be positive temperature difference values and for high soil temperatures negative temperature differences. There is some evidence of this for extremely high soil temperatures; however, the above pattern is in large measure due to heating of the ground surface by solar radiation which is associated with sunny skies and unstable conditions, i.e., negative temperature differences.

Table 340. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 5.5-foot Temperature (°F) during the Hours 0400-2000 CST

| | | JANUARY 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | TOTAL | CUMUL TOTAL |
| ≤ -16 | 0.27 | 0.09 | 0.00 | 0.01 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.41 |
| -15- -11 | 0.53 | 0.09 | 0.04 | 0.00 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.12 |
| -10- -6 | 0.80 | 0.37 | 0.18 | 0.12 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 2.72 |
| -5- -1 | 1.92 | 0.76 | 0.37 | 0.18 | 0.23 | 0.27 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 6.55 |
| 0-4 | 2.74 | 1.36 | 0.39 | 0.28 | 0.42 | 0.38 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 5.71 | 12.25 | |
| 5-9 | 2.72 | 1.29 | 0.95 | 0.64 | 0.54 | 0.73 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.06 | 19.31 | |
| 10-14 | 3.43 | 1.71 | 1.00 | 0.75 | 0.69 | 0.72 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.03 | 8.40 | 27.72 | |
| 15-19 | 4.38 | 2.20 | 1.11 | 1.03 | 0.73 | 0.58 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 10.14 | 37.86 | |
| 20-24 | 5.72 | 3.69 | 1.64 | 1.08 | 0.72 | 0.47 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 13.45 | 51.30 | |
| 25-29 | 7.31 | 5.62 | 1.99 | 1.26 | 0.87 | 0.76 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.84 | 69.14 | |
| 30-34 | 7.08 | 7.05 | 2.10 | 1.37 | 0.79 | 0.46 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 18.87 | 88.00 | |
| 35-39 | 2.28 | 2.37 | 0.72 | 1.04 | 0.77 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 7.39 | 95.39 | |
| 40-44 | 0.65 | 0.95 | 0.30 | 0.43 | 0.39 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.91 | 98.31 | |
| 45-49 | 0.27 | 0.30 | 0.07 | 0.05 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 99.13 | |
| 50-54 | 0.26 | 0.28 | 0.05 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 99.77 | |
| 55-59 | 0.07 | 0.05 | 0.00 | 0.03 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 100.00 | |
| 60-64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 65-69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| ≥100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| TOTAL CUMUL | 40.42 | 28.18 | 10.91 | 8.31 | 6.44 | 4.89 | 0.72 | 0.01 | 0.00 | 0.00 | 0.00 | 0.12 | 100.00 | | |
| TOTAL | 40.42 | 68.60 | 79.51 | 87.82 | 94.25 | 99.15 | 99.86 | 99.88 | 99.88 | 99.88 | 99.88 | 100.00 | | | |

TOTAL OBSERVATIONS = 7378

| | | FEBRUARY 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | TOTAL | CUMUL TOTAL | |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | TOTAL | CUMUL TOTAL |
| ≤ -16 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 |
| -15- -11 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.24 |
| -10- -6 | 0.74 | 0.06 | 0.00 | 0.04 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 1.10 |
| -5- -1 | 0.91 | 0.33 | 0.12 | 0.09 | 0.04 | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 2.69 |
| 0-4 | 1.38 | 0.58 | 0.18 | 0.31 | 0.13 | 0.18 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 5.57 |
| 5-9 | 1.53 | 0.61 | 0.21 | 0.30 | 0.16 | 0.30 | 0.40 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.64 | 9.21 |
| 10-14 | 2.26 | 1.22 | 0.36 | 0.39 | 0.28 | 0.24 | 0.52 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.50 | 14.71 |
| 15-19 | 3.22 | 1.52 | 0.85 | 0.89 | 0.49 | 0.67 | 0.43 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.26 | 22.96 |
| 20-24 | 6.30 | 3.13 | 1.14 | 1.07 | 0.65 | 0.64 | 0.64 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 13.90 | 36.87 |
| 25-29 | 6.95 | 4.95 | 2.21 | 1.41 | 0.68 | 0.86 | 0.64 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.03 | 54.90 |
| 30-34 | 8.29 | 7.17 | 3.07 | 1.60 | 1.17 | 0.86 | 0.71 | 0.45 | 0.00 | 0.00 | 0.00 | 0.03 | 23.37 | 78.27 | |
| 35-39 | 2.70 | 3.02 | 1.71 | 1.11 | 0.86 | 0.88 | 0.64 | 0.13 | 0.00 | 0.00 | 0.00 | 0.04 | 11.10 | 89.36 | |
| 40-44 | 1.23 | 1.02 | 0.76 | 0.70 | 0.67 | 0.79 | 0.55 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 5.91 | 95.28 | |
| 45-49 | 0.49 | 0.55 | 0.33 | 0.25 | 0.24 | 0.28 | 0.33 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 2.51 | 97.79 | |
| 50-54 | 0.16 | 0.27 | 0.12 | 0.12 | 0.09 | 0.10 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 98.71 | |
| 55-59 | 0.15 | 0.15 | 0.12 | 0.07 | 0.03 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 99.27 | |
| 60-64 | 0.00 | 0.03 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 99.41 | |
| 65-69 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 99.44 | |
| 70-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| 75-79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| ≥100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.44 | |
| MISSING | 0.16 | 0.16 | 0.07 | 0.06 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 100.00 | |
| TOTAL CUMUL | 36.68 | 24.81 | 11.32 | 8.45 | 5.60 | 5.85 | 5.14 | 2.02 | 0.00 | 0.00 | 0.00 | 0.13 | 100.00 | | |
| TOTAL | 36.68 | 61.48 | 72.80 | 81.25 | 86.85 | 92.71 | 97.85 | 99.87 | 99.87 | 99.87 | 99.87 | 100.00 | | | |

TOTAL OBSERVATIONS = 6732

Table 341. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 5.5-foot Temperature (°F) during the Hours 0400-2000 CST

| | | MARCH 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.05 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.08 |
| -5- -1 | 0.09 | 0.03 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.23 |
| 0-4 | 0.15 | 0.07 | 0.04 | 0.00 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.52 |
| 5-9 | 0.49 | 0.15 | 0.04 | 0.05 | 0.05 | 0.03 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 1.41 |
| 10-14 | 1.06 | 0.39 | 0.11 | 0.08 | 0.05 | 0.05 | 0.09 | 0.04 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 3.33 |
| 15-19 | 2.05 | 0.96 | 0.33 | 0.28 | 0.24 | 0.14 | 0.15 | 0.16 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 | 4.42 | 7.75 |
| 20-24 | 3.48 | 1.72 | 0.73 | 0.61 | 0.52 | 0.45 | 0.35 | 0.34 | 0.28 | 0.03 | 0.00 | 0.00 | 0.00 | 8.51 | 16.26 |
| 25-29 | 5.99 | 3.80 | 1.18 | 1.02 | 0.70 | 0.45 | 0.53 | 0.61 | 0.30 | 0.04 | 0.00 | 0.00 | 0.00 | 14.61 | 30.88 |
| 30-34 | 8.05 | 7.63 | 3.01 | 1.64 | 0.95 | 0.89 | 0.66 | 0.65 | 0.65 | 0.05 | 0.00 | 0.00 | 0.00 | 24.19 | 55.07 |
| 35-39 | 3.63 | 4.68 | 2.33 | 1.27 | 1.33 | 1.04 | 1.07 | 0.91 | 0.47 | 0.07 | 0.00 | 0.03 | 0.03 | 16.83 | 71.90 |
| 40-44 | 2.01 | 2.45 | 1.29 | 0.92 | 0.95 | 0.92 | 0.94 | 0.72 | 0.39 | 0.04 | 0.00 | 0.03 | 0.03 | 10.65 | 82.56 |
| 45-49 | 1.36 | 1.34 | 0.75 | 0.56 | 0.62 | 0.73 | 0.73 | 0.76 | 0.37 | 0.01 | 0.00 | 0.00 | 0.00 | 7.22 | 89.78 |
| 50-54 | 0.79 | 1.17 | 0.52 | 0.37 | 0.45 | 0.43 | 0.53 | 0.37 | 0.20 | 0.00 | 0.00 | 0.03 | 0.03 | 4.84 | 94.62 |
| 55-59 | 0.22 | 0.47 | 0.28 | 0.23 | 0.35 | 0.22 | 0.27 | 0.35 | 0.09 | 0.00 | 0.00 | 0.01 | 0.01 | 2.51 | 97.13 |
| 60-64 | 0.15 | 0.19 | 0.08 | 0.11 | 0.16 | 0.11 | 0.23 | 0.20 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 98.41 |
| 65-69 | 0.00 | 0.11 | 0.09 | 0.11 | 0.09 | 0.14 | 0.11 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 99.20 |
| 70-74 | 0.00 | 0.01 | 0.01 | 0.03 | 0.07 | 0.05 | 0.04 | 0.09 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 99.54 |
| 75-79 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 99.59 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.59 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.59 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.59 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.59 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.59 |
| MISSING | 0.14 | 0.07 | 0.03 | 0.05 | 0.05 | 0.01 | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 100.00 |
| TOTAL | 29.70 | 25.25 | 10.84 | 7.36 | 6.63 | 5.68 | 5.83 | 5.31 | 3.04 | 0.27 | 0.00 | 0.09 | 0.09 | 100.00 | |
| CUMUL TOTAL | 29.70 | 54.95 | 65.79 | 73.15 | 79.78 | 85.46 | 91.28 | 96.60 | 99.63 | 99.91 | 99.91 | 100.00 | 100.00 | | |

TOTAL OBSERVATIONS = 7378

| | | APRIL 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|--------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 |
| 15-19 | 0.13 | 0.03 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.20 |
| 20-24 | 0.49 | 0.10 | 0.04 | 0.00 | 0.01 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 0.90 |
| 25-29 | 1.47 | 0.74 | 0.20 | 0.10 | 0.04 | 0.04 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 2.62 | 3.52 |
| 30-34 | 3.80 | 2.72 | 0.97 | 0.59 | 0.27 | 0.18 | 0.08 | 0.04 | 0.00 | 0.01 | 0.00 | 0.13 | 0.13 | 8.78 | 12.30 |
| 35-39 | 3.82 | 3.92 | 1.61 | 0.78 | 0.84 | 0.42 | 0.27 | 0.24 | 0.18 | 0.07 | 0.00 | 0.03 | 0.03 | 12.18 | 24.48 |
| 40-44 | 3.80 | 5.00 | 2.10 | 1.20 | 1.01 | 0.46 | 0.63 | 0.45 | 0.63 | 0.29 | 0.00 | 0.04 | 0.04 | 15.62 | 40.10 |
| 45-49 | 2.91 | 3.85 | 1.69 | 1.29 | 0.85 | 0.76 | 0.78 | 0.66 | 0.81 | 0.46 | 0.01 | 0.11 | 0.11 | 14.20 | 54.30 |
| 50-54 | 2.34 | 2.96 | 1.65 | 1.11 | 1.09 | 1.02 | 0.76 | 0.81 | 0.88 | 0.53 | 0.00 | 0.10 | 0.10 | 13.25 | 67.55 |
| 55-59 | 1.72 | 2.18 | 1.08 | 1.12 | 0.76 | 0.67 | 0.62 | 0.83 | 1.04 | 0.34 | 0.00 | 0.08 | 0.08 | 10.43 | 77.98 |
| 60-64 | 1.29 | 1.60 | 0.77 | 0.74 | 0.69 | 0.73 | 0.62 | 0.74 | 0.59 | 0.31 | 0.00 | 0.06 | 0.06 | 8.12 | 86.11 |
| 65-69 | 0.35 | 0.76 | 0.78 | 0.76 | 0.70 | 0.50 | 0.83 | 0.73 | 0.77 | 0.29 | 0.00 | 0.06 | 0.06 | 6.53 | 92.63 |
| 70-74 | 0.20 | 0.53 | 0.36 | 0.32 | 0.42 | 0.56 | 0.55 | 0.43 | 0.60 | 0.14 | 0.00 | 0.10 | 0.10 | 4.22 | 96.85 |
| 75-79 | 0.00 | 0.11 | 0.18 | 0.14 | 0.18 | 0.29 | 0.32 | 0.39 | 0.38 | 0.10 | 0.00 | 0.21 | 0.21 | 2.31 | 99.16 |
| 80-84 | 0.00 | 0.00 | 0.00 | 0.07 | 0.03 | 0.10 | 0.13 | 0.18 | 0.21 | 0.01 | 0.00 | 0.07 | 0.07 | 0.80 | 99.96 |
| 85-89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.96 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.96 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.96 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.96 |
| MISSING | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 100.00 |
| TOTAL | 22.35 | 24.51 | 11.46 | 8.22 | 6.90 | 5.76 | 5.62 | 5.52 | 6.09 | 2.56 | 0.01 | 0.99 | 0.99 | 100.00 | |
| CUMUL TOTAL | 22.35 | 46.86 | 58.32 | 66.54 | 73.45 | 79.20 | 84.82 | 90.34 | 96.43 | 98.99 | 99.01 | 100.00 | 100.00 | | |

TOTAL OBSERVATIONS = 7140

Table 342. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 5.5-foot Temperature (°F) during the Hours 0400-2000 CST

| | | MAY 1951-1964 | | | | | | | | | | | | | |
|------------------|-----------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------------|---------|--------|
| TEMPERATURE (°F) | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | | | MISSING | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.47 | 0.19 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 |
| 35-39 | 1.46 | 0.98 | 0.34 | 0.22 | 0.09 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.72 |
| 40-44 | 1.67 | 1.73 | 0.39 | 0.42 | 0.19 | 0.12 | 0.07 | 0.03 | 0.04 | 0.03 | 0.00 | 0.00 | 0.08 | 3.24 | 3.96 |
| 45-49 | 2.74 | 3.77 | 1.06 | 0.96 | 0.56 | 0.37 | 0.30 | 0.20 | 0.11 | 0.07 | 0.05 | 0.00 | 0.43 | 5.12 | 9.08 |
| 50-54 | 2.86 | 4.00 | 2.09 | 1.31 | 0.73 | 0.83 | 0.52 | 0.47 | 0.49 | 0.34 | 0.12 | 0.56 | 0.46 | 10.64 | 19.72 |
| 55-59 | 2.05 | 3.43 | 1.75 | 1.67 | 1.08 | 1.04 | 0.75 | 0.84 | 0.73 | 0.79 | 0.15 | 0.62 | 0.68 | 14.31 | 34.03 |
| 60-64 | 1.86 | 2.95 | 1.60 | 1.06 | 1.00 | 0.99 | 0.61 | 0.92 | 0.83 | 0.79 | 0.15 | 0.62 | 0.54 | 14.90 | 48.93 |
| 65-69 | 1.46 | 2.51 | 1.42 | 1.40 | 1.11 | 0.89 | 1.12 | 1.10 | 1.18 | 0.68 | 0.07 | 0.54 | 0.58 | 13.11 | 62.04 |
| 70-74 | 0.46 | 1.18 | 1.06 | 0.98 | 1.18 | 0.96 | 1.25 | 1.10 | 1.18 | 0.96 | 0.05 | 0.58 | 0.68 | 13.80 | 75.83 |
| 75-79 | 0.22 | 0.38 | 0.50 | 0.54 | 0.83 | 0.61 | 1.02 | 1.27 | 1.21 | 1.06 | 0.05 | 0.68 | 0.61 | 11.03 | 86.87 |
| 80-84 | 0.04 | 0.15 | 0.30 | 0.12 | 0.34 | 0.35 | 0.65 | 0.89 | 0.72 | 0.31 | 0.00 | 0.41 | 0.41 | 7.74 | 94.61 |
| 85-89 | 0.00 | 0.00 | 0.01 | 0.04 | 0.09 | 0.14 | 0.12 | 0.19 | 0.38 | 0.07 | 0.00 | 0.07 | 0.07 | 4.28 | 98.89 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11 | 100.00 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 15.32 | 21.28 | 10.52 | 8.73 | 7.21 | 6.37 | 6.40 | 6.90 | 6.82 | 4.92 | 0.50 | 5.04 | 0.00 | 0.00 | 100.00 |
| CUMUL TOTAL | 15.32 | 36.60 | 47.11 | 55.84 | 63.05 | 69.42 | 75.82 | 82.72 | 89.54 | 94.46 | 94.96 | 100.00 | | | |

TOTAL OBSERVATIONS = 7378

| | | JUNE 1951-1964 | | | | | | | | | | | | | |
|------------------|-----------------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------------|---------|--------|
| TEMPERATURE (°F) | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | TOTAL | CUMUL TOTAL | | |
| | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | | | MISSING | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.20 | 0.17 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 |
| 45-49 | 0.78 | 0.69 | 0.08 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.45 |
| 50-54 | 1.60 | 2.82 | 0.67 | 0.24 | 0.13 | 0.15 | 0.06 | 0.04 | 0.00 | 0.00 | 0.00 | 0.04 | 0.01 | 1.67 | 2.11 |
| 55-59 | 1.95 | 3.38 | 1.33 | 1.02 | 0.42 | 0.38 | 0.14 | 0.14 | 0.18 | 0.11 | 0.03 | 0.04 | 0.04 | 5.70 | 7.82 |
| 60-64 | 2.30 | 4.38 | 1.23 | 1.40 | 0.71 | 1.01 | 0.53 | 0.69 | 0.48 | 0.45 | 0.01 | 0.14 | 0.14 | 9.12 | 16.93 |
| 65-69 | 2.30 | 5.38 | 1.58 | 1.83 | 1.12 | 1.29 | 0.90 | 0.98 | 0.91 | 0.52 | 0.10 | 0.11 | 0.11 | 13.33 | 30.27 |
| 70-74 | 0.91 | 3.87 | 1.58 | 2.52 | 1.69 | 1.97 | 1.62 | 1.50 | 1.54 | 1.18 | 0.10 | 0.06 | 0.06 | 17.02 | 47.28 |
| 75-79 | 0.34 | 1.78 | 1.01 | 1.53 | 1.43 | 1.58 | 2.20 | 1.83 | 1.99 | 1.25 | 0.10 | 0.08 | 0.08 | 18.54 | 65.83 |
| 80-84 | 0.08 | 0.84 | 0.49 | 0.71 | 0.84 | 1.25 | 1.68 | 1.88 | 2.07 | 1.09 | 0.03 | 0.07 | 0.07 | 15.11 | 80.94 |
| 85-89 | 0.00 | 0.06 | 0.15 | 0.49 | 0.55 | 0.64 | 0.97 | 1.12 | 1.83 | 0.69 | 0.03 | 0.08 | 0.08 | 11.04 | 91.97 |
| 90-94 | 0.00 | 0.00 | 0.01 | 0.03 | 0.07 | 0.13 | 0.25 | 0.22 | 0.39 | 0.18 | 0.00 | 0.06 | 0.06 | 6.61 | 98.59 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 99.93 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 10.49 | 23.38 | 8.17 | 9.80 | 6.99 | 8.42 | 8.35 | 8.43 | 9.41 | 5.48 | 0.39 | 0.70 | 0.00 | 0.00 | 100.00 |
| CUMUL TOTAL | 10.49 | 33.87 | 42.03 | 51.83 | 58.82 | 67.24 | 75.59 | 84.02 | 93.43 | 98.91 | 99.30 | 100.00 | | | |

TOTAL OBSERVATIONS = 7140

Table 343. Joint Percentage Frequency Distribution of Hourly Amounts of Solar Radiation on a Horizontal Surface in Langleys and 5.5-foot Temperature (°F) during the Hours 0400-2000 CST

| | | JULY 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.07 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 50-54 | 0.54 | 0.33 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 |
| 55-59 | 1.94 | 1.52 | 0.08 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 1.00 |
| 60-64 | 3.10 | 4.70 | 0.61 | 0.65 | 0.12 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.66 | 4.66 |
| 65-69 | 4.15 | 7.17 | 2.10 | 2.21 | 0.70 | 0.75 | 0.47 | 0.01 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 9.38 | 14.04 |
| 70-74 | 2.60 | 5.29 | 2.43 | 2.49 | 2.30 | 1.88 | 1.38 | 0.45 | 0.38 | 0.11 | 0.00 | 0.00 | 0.00 | 18.54 | 32.58 |
| 75-79 | 0.62 | 2.68 | 2.17 | 2.20 | 2.45 | 2.16 | 2.90 | 1.19 | 1.12 | 0.85 | 0.05 | 0.11 | 0.11 | 21.71 | 54.30 |
| 80-84 | 0.14 | 0.79 | 1.02 | 1.22 | 1.57 | 1.95 | 2.52 | 2.55 | 2.85 | 1.14 | 0.01 | 0.03 | 0.03 | 21.01 | 75.30 |
| 85-89 | 0.03 | 0.05 | 0.18 | 0.33 | 0.64 | 0.88 | 1.31 | 1.49 | 1.79 | 0.72 | 0.00 | 0.00 | 0.00 | 15.78 | 91.08 |
| 90-94 | 0.00 | 0.00 | 0.07 | 0.07 | 0.09 | 0.08 | 0.22 | 0.27 | 0.34 | 0.15 | 0.00 | 0.00 | 0.00 | 7.41 | 98.50 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.04 | 0.01 | 0.07 | 0.05 | 0.00 | 0.00 | 0.00 | 1.29 | 99.79 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 99.99 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 100.00 |
| TOTAL | 13.19 | 22.57 | 8.66 | 9.30 | 7.90 | 7.85 | 8.88 | 8.05 | 8.78 | 4.45 | 0.08 | 0.30 | 0.00 | 0.00 | 100.00 |
| CUMUL TOTAL | 13.19 | 35.75 | 44.42 | 53.71 | 61.62 | 69.46 | 78.34 | 86.39 | 95.17 | 99.62 | 99.70 | 100.00 | 0.00 | 0.00 | 100.00 |

TOTAL OBSERVATIONS = 7378

| | | AUGUST 1951-1964 | | | | | | | | | | | | | |
|------------------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---------|-------|-------------|
| TEMPERATURE (°F) | | SOLAR RADIATION IN LANGLEYS | | | | | | | | | | | | TOTAL | CUMUL TOTAL |
| | | 0 | 1-10 | 11-20 | 21-30 | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 | 81-90 | 91-100 | MISSING | | |
| ≤ -16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -15- -11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -10- -6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| -5- -1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0-4 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5-9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10-14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 15-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 20-24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 25-29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 30-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 35-39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 40-44 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 45-49 | 0.18 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 |
| 50-54 | 1.12 | 0.65 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.27 |
| 55-59 | 3.06 | 1.63 | 0.53 | 0.18 | 0.07 | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 2.07 |
| 60-64 | 4.08 | 3.96 | 1.60 | 0.52 | 0.52 | 0.06 | 0.12 | 0.09 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 3.49 | 7.56 |
| 65-69 | 5.45 | 5.52 | 2.91 | 1.27 | 1.64 | 0.80 | 0.89 | 0.52 | 0.39 | 0.08 | 0.00 | 0.04 | 0.04 | 11.06 | 14.67 |
| 70-74 | 3.23 | 4.51 | 3.17 | 2.24 | 2.29 | 1.71 | 1.83 | 1.65 | 1.14 | 0.49 | 0.01 | 0.03 | 0.03 | 19.50 | 38.13 |
| 75-79 | 0.95 | 2.37 | 2.07 | 2.05 | 2.43 | 2.39 | 2.56 | 2.56 | 2.24 | 0.47 | 0.01 | 0.05 | 0.05 | 22.37 | 60.45 |
| 80-84 | 0.14 | 0.73 | 0.76 | 0.99 | 1.45 | 1.76 | 2.61 | 2.22 | 1.49 | 0.37 | 0.00 | 0.00 | 0.00 | 20.10 | 80.55 |
| 85-89 | 0.00 | 0.07 | 0.14 | 0.54 | 0.53 | 0.75 | 0.90 | 0.55 | 1.25 | 0.05 | 0.00 | 0.00 | 0.00 | 11.91 | 92.46 |
| 90-94 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.23 | 0.20 | 0.25 | 0.57 | 0.03 | 0.00 | 0.00 | 0.00 | 3.79 | 96.25 |
| 95-99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 | 1.71 | 97.96 |
| ≥ 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 100.00 |
| MISSING | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| TOTAL | 18.23 | 19.50 | 11.21 | 7.82 | 9.03 | 7.73 | 8.72 | 8.96 | 7.16 | 1.49 | 0.03 | 0.14 | 0.00 | 0.00 | 100.00 |
| CUMUL TOTAL | 18.23 | 37.73 | 48.94 | 56.76 | 65.79 | 73.52 | 82.23 | 91.19 | 98.35 | 99.84 | 99.86 | 100.00 | 0.00 | 0.00 | 100.00 |

TOTAL OBSERVATIONS = 7378