

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

August 2008

Station: Oakland, NJ

Latitude: 41° 02' 26" N Longitude: 74° 13' 58" W Elevation (Ground): 272 feet Time Zone: Eastern

| Date | Temperature | | | | | Humidity | Deg. Days | | Precip Ty 1 fog 2 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 duststm 8 smk, hz 9 blw snw | Snow Cvr | Precip | | Pressure Adj. to Sea Level | | | Wind | | | | | | Sun | | |
|-----------------|-------------|---------|-----------------|------|-----------|----------------|-----------|---------------------|---|----------------|--------------------------------|------------------|-------------------------------|---------|---------|---|------|------|------|-------|-------|-----|--------|-------|
| | Maximum | Minimum | Average | Mean | Dew Point | | Mean | Heating Base 65°F | | | Cooling Base 65°F | Water Equivalent | Ice Pellets Snow | Maximum | Minimum | Mean | Avg | Res | Res | Peak | | | Minute | |
| | | | | | | | | | | | | | | | | | | | | Speed | Speed | | Dir | Speed | Dir | Speed | Dir |
| 1 | 2 | 3 | 4A | 4B | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
| 1 | 85.1* | 63.5 | 74.3* | 73.3 | 63 | 74 | 0 | 10 | ..... | 0 | 0.00 | 0.0 | 29.68 | 29.59 | 29.636 | 0.4 | 0.4 | 314 | 9 | WNW | 4 | 314 | | |
| 2 | 77.4 | 62.3 | 69.9 | 67.4 | 64 | 91 | 0 | 5 | ..... | 0 | 0.88 | 0.0 | 29.71 | 29.61 | 29.658 | 0.2 | 0.1 | 281 | 21 | W | 9 | 249 | | |
| 3 | 79.2 | 60.5 | 69.8 | 69.0 | 61 | 77 | 0 | 5 | ..... | 0 | 0.01 | 0.0 | 29.84 | 29.70 | 29.760 | 1.0 | 0.8 | 313 | 18 | NW | 6 | 323 | | |
| 4 | 81.8 | 64.3 | 73.1 | 72.1 | 60 | 68 | 0 | 8 | ..... | 0 | 0.00 | 0.0 | 29.90 | 29.83 | 29.865 | 1.2 | 1.0 | 300 | 17 | NW | 6 | 271 | | |
| 5 | 83.4 | 59.2 | 71.3 | 71.1 | 62 | 75 | 0 | 6 | ..... | 0 | 0.00 | 0.0 | 29.93 | 29.85 | 29.892 | 0.2 | 0.1 | 236 | 9 | SSE | 3 | 194 | | |
| 6 | 84.1 | 64.3 | 74.2 | 73.3 | 66 | 80 | 0 | 9 | ..... | 0 | 1.80 | 0.0 | 29.86 | 29.68 | 29.739 | 0.6 | 0.6 | 322 | 13 | N | 7 | 358 | | |
| 7 | 81.4 | 61.6 | 71.5 | 71.2 | 61 | 72 | 0 | 7 | ..... | 0 | 0.00 | 0.0 | 29.75 | 29.62 | 29.681 | 0.4 | 0.3 | 252 | 12 | W | 4 | 282 | | |
| 8 | 77.7 | 60.4 | 69.0 | 68.0 | 58 | 73 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 29.70 | 29.58 | 29.630 | 0.9 | 0.7 | 297 | 15 | NNW | 5 | 345 | | |
| 9 | 78.1 | 59.6 | 68.8 | 67.5 | 57 | 70 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 29.82 | 29.70 | 29.773 | 0.7 | 0.6 | 303 | 13 | NNW | 5 | 315 | | |
| 10 | 77.7 | 54.2 | 65.9 | 64.9 | 58 | 80 | 0 | 1 | ..... | 0 | 0.00 | 0.0 | 29.84 | 29.76 | 29.803 | 0.2 | 0.2 | 211 | 11 | SW | 4 | 161 | | |
| 11 | 69.3 | 57.8 | 63.6 | 62.8 | 59 | 88 | 1 | 0 | ..... | 0 | 0.39 | 0.0 | 29.77 | 29.68 | 29.725 | 0.3 | 0.2 | 332 | 16 | SW | 4 | 356 | | |
| 12 | 78.3 | 55.0 | 66.7 | 65.5 | 57 | 77 | 0 | 2 | ..... | 0 | 0.00 | 0.0 | 29.77 | 29.68 | 29.710 | 0.7 | 0.7 | 318 | 13 | NW | 6 | 284 | | |
| 13 | 79.4 | 55.3 | 67.4 | 67.3 | 59 | 76 | 0 | 2 | ..... | 0 | 0.00 | 0.0 | 29.81 | 29.71 | 29.765 | 0.2 | 0.1 | 211 | 6 | S | 3 | 192 | | |
| 14 | 80.7 | 61.3 | 71.0 | 67.2 | 62 | 85 | 0 | 6 | ..... | 0 | 0.13 | 0.0 | 29.88 | 29.69 | 29.746 | 0.3 | 0.2 | 318 | 14 | S | 5 | 339 | | |
| 15 | 78.8 | 61.8 | 70.3 | 66.9 | 64 | 90 | 0 | 6 | ..... | 0 | 0.56 | 0.0 | 29.97 | 29.86 | 29.910 | 0.2 | 0.1 | 305 | 14 | W | 6 | 294 | | |
| 16 | 78.3 | 59.0 | 68.7 | 66.9 | 58 | 78 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 29.95 | 29.85 | 29.909 | 0.5 | 0.4 | 282 | 11 | WSW | 4 | 314 | | |
| 17 | 82.0 | 55.3 | 68.6 | 67.6 | 58 | 76 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 29.94 | 29.85 | 29.902 | 0.4 | 0.4 | 260 | 10 | WSW | 3 | 227 | | |
| 18 | 84.7 | 58.9 | 71.8 | 71.2 | 62 | 76 | 0 | 7 | ..... | 0 | 0.00 | 0.0 | 29.92 | 29.83 | 29.884 | 0.4 | 0.4 | 248 | 10 | W | 4 | 270 | | |
| 19 | 79.2 | 59.0 | 69.1 | 69.3 | 58 | 69 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 30.06 | 29.81 | 29.889 | 1.0 | 0.9 | 325 | 16 | NNW | 6 | 307 | | |
| 20 | 75.1 | 47.6* | 61.3* | 61.1 | 50 | 71 | 3 | 0 | ..... | 0 | 0.00 | 0.0 | 30.19 | 30.06 | 30.130 | 0.4 | 0.3 | 325 | 9 | NNW | 4 | 329 | | |
| 21 | 79.8 | 51.9 | 65.9 | 64.6 | 55 | 75 | 0 | 1 | ..... | 0 | 0.00 | 0.0 | 30.25 | 30.16 | 30.205 | 0.2 | 0.1 | 300 | 5 | NNW | 2 | 2 | | |
| 22 | 81.6 | 55.1 | 68.3 | 67.0 | 57 | 74 | 0 | 4 | ..... | 0 | 0.00 | 0.0 | 30.31 | 30.24 | 30.280 | 0.4 | 0.3 | 170 | 11 | SSE | 4 | 171 | | |
| 23 | 80.9 | 53.6 | 67.3 | 66.0 | 57 | 77 | 0 | 3 | ..... | 0 | 0.00 | 0.0 | 30.30 | 30.13 | 30.225 | 0.4 | 0.3 | 177 | 11 | S | 5 | 175 | | |
| 24 | 83.4 | 59.2 | 71.3 | 69.7 | 64 | 83 | 0 | 6 | ..... | 0 | 0.00 | 0.0 | 30.13 | 29.86 | 29.989 | 0.3 | 0.2 | 176 | 11 | SSE | 5 | 153 | | |
| 25 | 78.3 | 63.5 | 70.9 | 70.8 | 62 | 77 | 0 | 6 | ..... | 0 | 0.00 | 0.0 | 29.91 | 29.80 | 29.832 | 0.6 | 0.5 | 312 | 12 | NW | 5 | 338 | | |
| 26 | 77.0 | 50.2 | 63.6 | 63.0 | 50 | 66 | 1 | 0 | ..... | 0 | 0.00 | 0.0 | 30.03 | 29.91 | 29.988 | 0.4 | 0.4 | 323 | 10 | WNW | 4 | 312 | | |
| 27 | 75.8 | 49.2 | 62.5 | 61.2 | 50 | 71 | 2 | 0 | ..... | 0 | 0.00 | 0.0 | 30.08 | 30.01 | 30.047 | 0.3 | 0.2 | 35 | 10 | ENE | 4 | 156 | | |
| 28 | 81.4 | 51.7 | 66.6 | 65.2 | 52 | 67 | 0 | 2 | ..... | 0 | 0.00 | 0.0 | 30.04 | 29.93 | 29.996 | 0.5 | 0.3 | 171 | 10 | SE | 5 | 162 | | |
| 29 | 78.1 | 57.3 | 67.7 | 66.8 | 58 | 75 | 0 | 3 | ..... | 0 | 0.06 | 0.0 | 29.99 | 29.91 | 29.957 | 0.2 | 0.2 | 152 | 7 | WSW | 3 | 176 | | |
| 30 | 82.4 | 64.8 | 73.6 | 71.4 | 66 | 84 | 0 | 9 | ..... | 0 | 0.03 | 0.0 | 30.00 | 29.90 | 29.949 | 0.4 | 0.3 | 299 | 9 | N | 3 | 315 | | |
| 31 | 82.4 | 59.3 | 70.9 | 70.5 | 54 | 58 | 0 | 6 | ..... | 0 | 0.00 | 0.0 | 30.12 | 30.00 | 30.070 | 1.1 | 1.0 | 322 | 14 | S | 5 | 8 | | |
| Sum | Sum | ----- | ----- | --- | ---- | Ttl | Ttl | Number of Days | | For the month: | | | --- | | | | | | | | | | | |
| 2473 | 1797 | | | | | 7 | 134 | | | 3.86 | 0.0 | 30.31 | 29.58 | 29.889 | 0.5 | 0.3 | 297 | 21 | W | 9 | 249 | | | |
| Avg | Avg | Avg | Mean | Avg | Avg | ---- | ---- | Precip | | Season Ttl | | Date | Date | ----- | ---- | ---- | --- | Date | Date | Avg | | | | |
| 79.8 | 58.0 | 68.9 | 67.7 | 59 | 75.9 | ---- | ---- | ≥.01 inch | | 8 | 29.49 | 0.0 | 22 | 8 | ----- | ---- | ---- | --- | 2 | 2 | | | | |
| Number of Days | | | | | | Season to Date | | Snow, Ice ≥1.0 inch | | 0 | Greatest in 24 Hours and Dates | | | | | Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date | | | | | | | | |
| Max Temperature | | | Min Temperature | | | 7 | 622 | Thunder | | 0 | Precipitation | | Snow, Ice Plts | | | | | | | | | | | |
| ≥ 90°F | ≤ 32°F | ≤ 32°F | ≤ 0°F | ---- | ---- | Heavy Fog | | 0 | 1.80 | 6 | 0.0 | - | 0 | | | - | | | | | | | | |
| 0 | 0 | 0 | 0 | ---- | ---- | Clear | | 31 | Partly Cloudy | | 0 | Cloudy | | 0 | | | | | | | | | | |

NOTES:

Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for 24 hours.
 Data in columns 9, 10, 12 are entered manually by the station observer.
 Columns 17-18: Resultant wind is calculated by the vector sum of continuous wind observations.
 Column 23: Sunshine index is measured in Watts/m² and is continuously averaged for 24 hours.
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.

OBSERVATIONS AT 3-HOUR INTERVALS

August 2008: Oakland, NJ

| Hour | Wind | | | | | | | | | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Wind | | | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Wind | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-----------|-------|------|-----------|-------|------|-----------|-------|------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|------|----------|----------|---------------|-------------|-----------|----------|------|---|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|--------|----|----|----|---|---|----|-------|------|----|----|-----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|----|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|----|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|----|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|----|--|-------|------|----|----|----|----|---|----|----|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|--|-------|------|----|----|----|----|---|---|
| | Direction | Speed | Gust | Direction | Speed | Gust | Direction | Speed | Gust | | | | | | | Direction | Speed | Gust | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUG 01 | | | | | | | | | | | | | | | | | | | | | | | | AUG 02 | | | | | | | | | | | | | | | | | | | | | | | | AUG 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.61 | 0.00 | 67 | 65 | 95 | 21 | 0 | 0 | | 29.67 | 0.00 | 64 | 62 | 92 | 24 | 0 | 0 | | 29.72 | 0.00 | 62 | 62 | 99 | 24 | 0 | 0 | 04 | 29.59 | 0.00 | 64 | 63 | 97 | 21 | 0 | 0 | | 29.66 | 0.00 | 63 | 62 | 96 | 24 | 0 | 0 | | 29.70 | 0.00 | 61 | 61 | 99 | 27 | 0 | 2 | 07 | 29.63 | 0.00 | 65 | 64 | 97 | 33 | 0 | 0 | | 29.66 | 0.00 | 64 | 63 | 97 | 24 | 0 | 0 | | 29.75 | 0.00 | 63 | 60 | 91 | 28 | 0 | 5 | 10 | 29.64 | 0.00 | 77 | 65 | 67 | 35 | 1 | 6 | | 29.64 | 0.00 | 72 | 67 | 85 | 31 | 0 | 1 | | 29.77 | 0.00 | 69 | 61 | 74 | 33 | 3 | 13 | 13 | 29.65 | 0.00 | 80 | 62 | 55 | 26 | 0 | 3 | | 29.66 | 0.00 | 67 | 66 | 97 | 02 | 0 | 1 | | 29.77 | 0.00 | 76 | 61 | 60 | 29 | 2 | 10 | 16 | 29.64 | 0.00 | 84 | 63 | 49 | 32 | 1 | 4 | | 29.64 | 0.00 | 74 | 67 | 78 | 21 | 1 | 2 | | 29.76 | 0.00 | 79 | 59 | 52 | 31 | 2 | 4 | 19 | 29.64 | 0.00 | 81 | 63 | 55 | 24 | 0 | 2 | | 29.63 | 0.00 | 72 | 67 | 84 | 24 | 0 | 0 | | 29.77 | 0.00 | 73 | 64 | 73 | 35 | 0 | 2 | 22 | 29.67 | 0.00 | 69 | 63 | 81 | 24 | 0 | 0 | | 29.70 | 0.00 | 65 | 65 | 98 | 24 | 0 | 0 | | 29.83 | 0.00 | 71 | 61 | 71 | 31 | 1 | 6 |
| AUG 04 | | | | | | | | | | | | | | | | | | | | | | | | AUG 05 | | | | | | | | | | | | | | | | | | | | | | | | AUG 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.83 | 0.00 | 68 | 59 | 73 | 19 | 0 | 8 | | 29.90 | 0.00 | 64 | 61 | 91 | 28 | 0 | 0 | | 29.84 | 0.00 | 70 | 67 | 90 | 22 | 0 | 0 | 04 | 29.84 | 0.00 | 65 | 59 | 82 | 25 | 2 | 3 | | 29.91 | 0.00 | 61 | 60 | 96 | 28 | 0 | 0 | | 29.78 | 0.00 | 70 | 70 | 98 | 03 | 0 | 0 | 07 | 29.86 | 0.00 | 66 | 60 | 80 | 16 | 2 | 4 | | 29.92 | 0.00 | 60 | 59 | 97 | 28 | 0 | 0 | | 29.75 | 0.04 | 66 | 66 | 99 | 00 | 0 | 0 | 10 | 29.88 | 0.00 | 73 | 61 | 67 | 33 | 1 | 6 | | 29.92 | 0.00 | 73 | 63 | 71 | 34 | 0 | 3 | | 29.72 | 0.00 | 72 | 71 | 97 | 30 | 0 | 2 | 13 | 29.88 | 0.00 | 78 | 60 | 54 | 23 | 3 | 7 | | 29.90 | 0.00 | 80 | 63 | 57 | 30 | 1 | 3 | | 29.70 | 0.00 | 80 | 67 | 66 | 32 | 4 | 9 | 16 | 29.86 | 0.00 | 80 | 58 | 47 | 24 | 1 | 4 | | 29.86 | 0.00 | 80 | 64 | 57 | 25 | 0 | 2 | | 29.68 | 0.00 | 84 | 58 | 42 | 32 | 2 | 12 | 19 | 29.86 | 0.00 | 79 | 58 | 48 | 28 | 1 | 6 | | 29.86 | 0.00 | 77 | 65 | 65 | 17 | 1 | 6 | | 29.70 | 0.00 | 79 | 61 | 54 | 32 | 0 | 4 | 22 | 29.89 | 0.00 | 69 | 61 | 77 | 28 | 0 | 0 | | 29.87 | 0.00 | 72 | 63 | 74 | 17 | 0 | 0 | | 29.75 | 0.00 | 66 | 62 | 87 | 01 | 0 | 0 |
| AUG 07 | | | | | | | | | | | | | | | | | | | | | | | | AUG 08 | | | | | | | | | | | | | | | | | | | | | | | | AUG 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.75 | 0.00 | 63 | 62 | 94 | 01 | 0 | 2 | | 29.64 | 0.00 | 65 | 61 | 86 | 08 | 0 | 0 | | 29.71 | 0.00 | 62 | 57 | 84 | 19 | 0 | 2 | 04 | 29.72 | 0.00 | 67 | 60 | 78 | 31 | 1 | 3 | | 29.61 | 0.00 | 61 | 60 | 96 | 08 | 0 | 0 | | 29.72 | 0.00 | 62 | 56 | 80 | 23 | 0 | 4 | 07 | 29.72 | 0.00 | 62 | 61 | 96 | 19 | 0 | 0 | | 29.63 | 0.00 | 61 | 60 | 95 | 32 | 0 | 0 | | 29.77 | 0.00 | 63 | 55 | 76 | 34 | 2 | 7 | 10 | 29.72 | 0.00 | 74 | 63 | 69 | 09 | 0 | 2 | | 29.63 | 0.00 | 69 | 60 | 71 | 35 | 1 | 9 | | 29.80 | 0.00 | 69 | 57 | 66 | 01 | 0 | 4 | 13 | 29.67 | 0.00 | 78 | 59 | 52 | 30 | 0 | 5 | | 29.62 | 0.00 | 75 | 59 | 56 | 25 | 2 | 5 | | 29.79 | 0.00 | 74 | 55 | 52 | 33 | 1 | 5 | 16 | 29.63 | 0.00 | 80 | 59 | 49 | 28 | 2 | 7 | | 29.62 | 0.00 | 73 | 56 | 54 | 27 | 3 | 7 | | 29.78 | 0.00 | 76 | 57 | 52 | 28 | 1 | 3 | 19 | 29.62 | 0.00 | 75 | 62 | 63 | 24 | 0 | 1 | | 29.63 | 0.00 | 71 | 54 | 55 | 35 | 1 | 7 | | 29.78 | 0.00 | 74 | 59 | 59 | 29 | 0 | 1 | 22 | 29.64 | 0.00 | 68 | 61 | 80 | 27 | 1 | 2 | | 29.69 | 0.00 | 67 | 57 | 70 | 19 | 0 | 3 | | 29.82 | 0.00 | 62 | 59 | 90 | 29 | 0 | 0 |
| AUG 10 | | | | | | | | | | | | | | | | | | | | | | | | AUG 11 | | | | | | | | | | | | | | | | | | | | | | | | AUG 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.81 | 0.00 | 59 | 57 | 94 | 29 | 0 | 0 | | 29.77 | 0.00 | 62 | 60 | 93 | 25 | 0 | 1 | | 29.69 | 0.00 | 57 | 55 | 96 | 34 | 0 | 0 | 04 | 29.81 | 0.00 | 56 | 55 | 97 | 29 | 0 | 0 | | 29.74 | 0.00 | 60 | 59 | 97 | 25 | 0 | 0 | | 29.68 | 0.00 | 57 | 56 | 96 | 21 | 0 | 2 | 07 | 29.83 | 0.00 | 55 | 54 | 98 | 29 | 0 | 0 | | 29.75 | 0.00 | 62 | 61 | 97 | 25 | 0 | 1 | | 29.71 | 0.00 | 55 | 55 | 98 | 25 | 0 | 1 | 10 | 29.83 | 0.00 | 70 | 61 | 72 | 28 | 0 | 2 | | 29.72 | 0.00 | 68 | 62 | 81 | 07 | 1 | 3 | | 29.72 | 0.00 | 67 | 58 | 71 | 31 | 4 | 13 | 13 | 29.80 | 0.00 | 76 | 60 | 58 | 11 | 1 | 3 | | 29.74 | 0.00 | 65 | 60 | 84 | 34 | 2 | 6 | | 29.72 | 0.00 | 74 | 59 | 58 | 22 | 3 | 6 | 16 | 29.80 | 0.00 | 72 | 58 | 62 | 24 | 1 | 6 | | 29.69 | 0.00 | 64 | 57 | 77 | 33 | 0 | 3 | | 29.69 | 0.00 | 77 | 58 | 52 | 33 | 1 | 4 | 19 | 29.80 | 0.00 | 67 | 59 | 75 | 25 | 0 | 0 | | 29.69 | 0.00 | 65 | 57 | 78 | 33 | 0 | 1 | | 29.71 | 0.00 | 73 | 56 | 56 | 31 | 0 | 10 | 22 | 29.78 | 0.00 | 64 | 60 | 87 | 25 | 0 | 0 | | 29.71 | 0.00 | 61 | 57 | 89 | 20 | 0 | 1 | | 29.75 | 0.00 | 65 | 59 | 79 | 27 | 0 | 0 |
| AUG 13 | | | | | | | | | | | | | | | | | | | | | | | | AUG 14 | | | | | | | | | | | | | | | | | | | | | | | | AUG 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.77 | 0.00 | 64 | 58 | 81 | 25 | 0 | 1 | | 29.74 | 0.00 | 63 | 62 | 96 | 15 | 0 | 0 | | 29.87 | 0.00 | 63 | 63 | 99 | 22 | 0 | 0 | 04 | 29.78 | 0.00 | 57 | 56 | 96 | 25 | 0 | 0 | | 29.69 | 0.00 | 62 | 61 | 98 | 15 | 0 | 0 | | 29.87 | 0.00 | 62 | 62 | 99 | 22 | 0 | 0 | 07 | 29.79 | 0.00 | 56 | 55 | 97 | 25 | 0 | 0 | | 29.70 | 0.00 | 63 | 62 | 98 | 15 | 0 | 0 | | 29.91 | 0.00 | 62 | 62 | 99 | 17 | 0 | 0 | 10 | 29.81 | 0.00 | 69 | 56 | 63 | 08 | 0 | 1 | | 29.72 | 0.00 | 72 | 63 | 74 | 15 | 0 | 1 | | 29.94 | 0.00 | 66 | 66 | 97 | 17 | 0 | 1 | 13 | 29.78 | 0.00 | 75 | 60 | 58 | 12 | 0 | 3 | | 29.72 | 0.00 | 79 | 62 | 56 | 34 | 1 | 3 | | 29.92 | 0.00 | 74 | 63 | 69 | 23 | 0 | 2 | 16 | 29.73 | 0.00 | 77 | 61 | 58 | 16 | 0 | 4 | | 29.75 | 0.00 | 74 | 58 | 58 | 01 | 2 | 7 | | 29.88 | 0.00 | 75 | 63 | 66 | 33 | 0 | 0 | 19 | 29.72 | 0.00 | 76 | 62 | 61 | 20 | 2 | 4 | | 29.80 | 0.00 | 64 | 63 | 97 | 31 | 1 | 14 | | 29.92 | 0.00 | 68 | 67 | 96 | 32 | 0 | 0 | 22 | 29.75 | 0.00 | 66 | 63 | 88 | 15 | 0 | 0 | | 29.83 | 0.00 | 64 | 63 | 98 | 31 | 0 | 0 | | 29.97 | 0.00 | 65 | 64 | 99 | 16 | 0 | 0 |
| AUG 16 | | | | | | | | | | | | | | | | | | | | | | | | AUG 17 | | | | | | | | | | | | | | | | | | | | | | | | AUG 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 29.95 | 0.00 | 62 | 62 | 99 | 16 | 0 | 0 | | 29.91 | 0.00 | 58 | 57 | 96 | 31 | 0 | 0 | | 29.91 | 0.00 | 62 | 61 | 96 | 22 | 0 | 0 | 04 | 29.92 | 0.00 | 60 | 60 | 99 | 16 | 0 | 0 | | 29.91 | 0.00 | 56 | 56 | 98 | 31 | 0 | 0 | | 29.91 | 0.00 | 60 | 59 | 97 | 22 | 0 | 0 | 07 | 29.91 | 0.00 | 60 | 60 | 100 | 16 | 0 | 1 | | 29.94 | 0.00 | 56 | 55 | 98 | 31 | 0 | 1 | | 29.92 | 0.00 | 59 | 59 | 99 | 22 | 0 | 0 | 10 | 29.95 | 0.00 | 67 | 60 | 79 | 29 | 1 | 5 | | 29.94 | 0.00 | 70 | 60 | 69 | 21 | 0 | 5 | | 29.92 | 0.00 | 74 | 63 | 68 | 20 | 1 | 3 | 13 | 29.92 | 0.00 | 74 | 60 | 61 | 32 | 1 | 6 | | 29.90 | 0.00 | 78 | 58 | 50 | 16 | 1 | 5 | | 29.90 | 0.00 | 82 | 63 | 54 | 22 | 1 | 7 | 16 | 29.86 | 0.00 | 77 | 53 | 43 | 26 | 2 | 9 | | 29.87 | 0.00 | 80 | 61 | 51 | 06 | 1 | 5 | | 29.84 | 0.00 | 84 | 62 | 48 | 24 | 1 | 6 | 19 | 29.86 | 0.00 | 75 | 55 | 50 | 26 | 0 | 6 | | 29.86 | 0.00 | 75 | 65 | 71 | 22 | 0 | 0 | | 29.83 | 0.00 | 78 | 66 | 65 | 16 | 0 | 3 | 22 | 29.90 | 0.00 | 62 | 58 | 88 | 31 | 0 | 0 | | 29.90 | 0.00 | 65 | 62 | 90 | 22 | 0 | 0 | | 29.85 | 0.00 | 70 | 64 | 82 | 16 | 0 | 0 |

MAXIMUM SHORT DURATION PRECIPITATION

| Time Period (minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Precipitation | 0.28 | 0.45 | 0.53 | 0.56 | 0.79 | 1.15 | 1.49 | 1.65 | 1.67 | 1.68 | 1.69 | 1.69 |
| Ended: Date | 06 | 15 | 15 | 15 | 06 | 06 | 06 | 06 | 06 | 06 | 06 | 06 |
| Ended: Time | 0630 | 1700 | 1703 | 1708 | 0630 | 0630 | 0630 | 0637 | 0639 | 0639 | 0655 | 0655 |

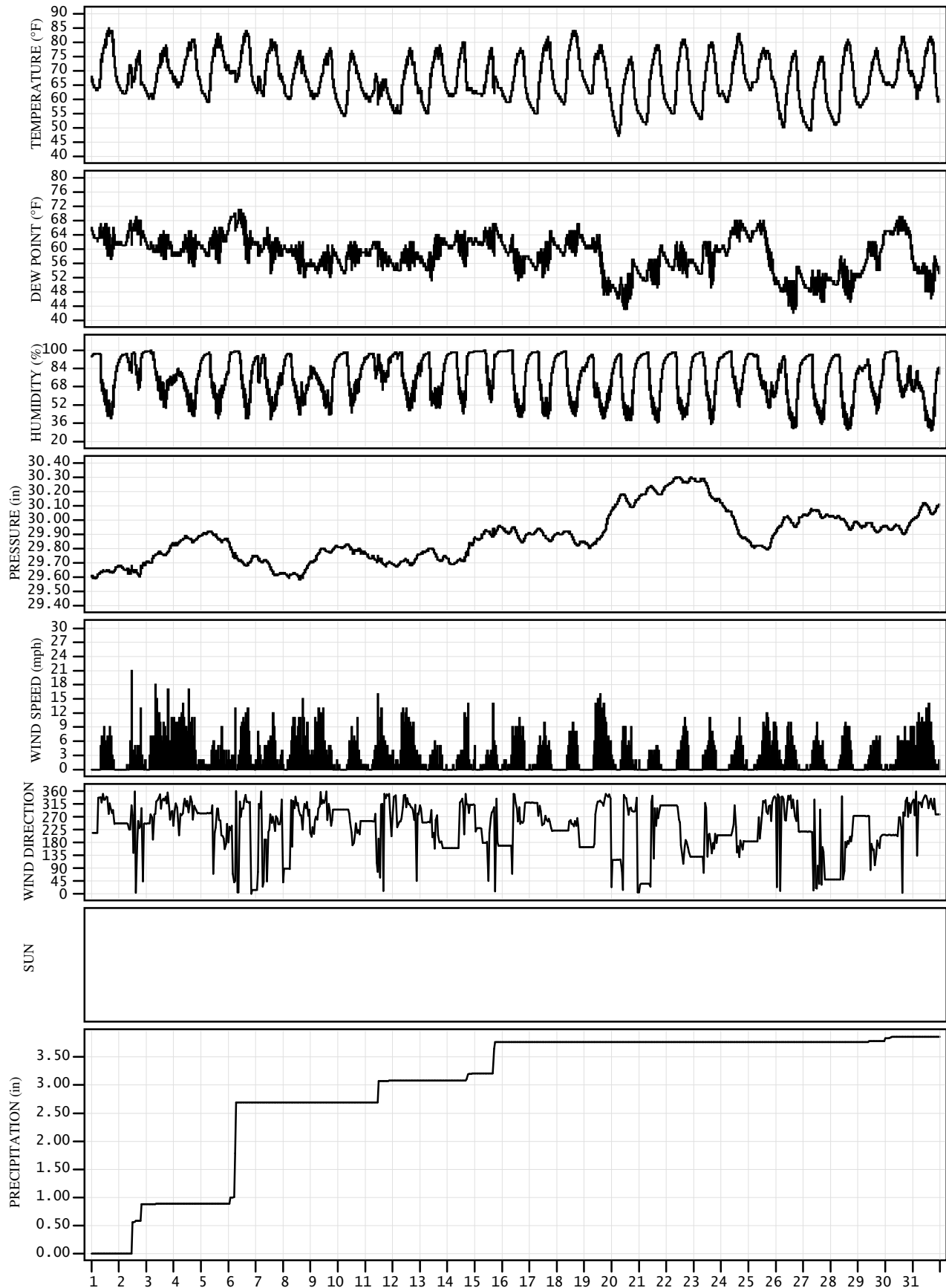
The precipitation amounts may occur at any time during the month. The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

HOURLY PRECIPITATION (Water Equivalent)
August 2008: Oakland, NJ

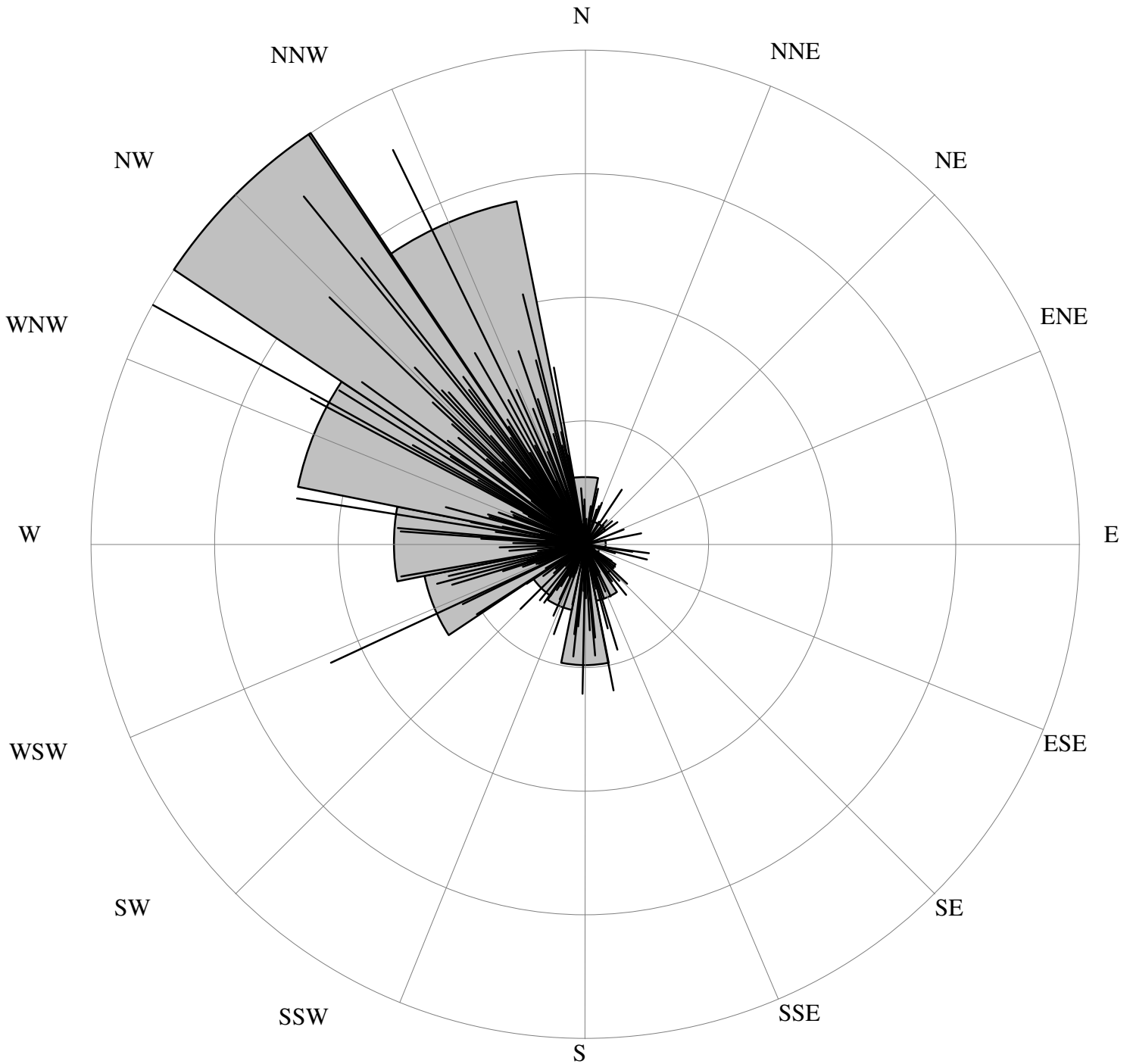
| Date | A.M. Hour Ending at | | | | | | | | | | | | P.M. Hour Ending at | | | | | | | | | | | | Date |
|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | |
| 01 | | | | | | | | | | | | | | | | | | | | | | | | 01 | |
| 02 | | | | | | | | | | | | 0.56 | 0.01 | 0.01 | | | | | 0.30 | | | | | 02 | |
| 03 | | | | | | | | 0.01 | | | | | | | | | | | | | | | | 03 | |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | 04 | |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | 05 | |
| 06 | | 0.11 | | | 0.01 | 0.78 | 0.90 | | | | | | | | | | | | | | | | | 06 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | 07 | |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | 08 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | 09 | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | 0.38 | | | | | | | | 0.01 | | | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | 13 | |
| 14 | | | | | | | | | | | | | | | 0.03 | 0.08 | 0.01 | | | | 0.01 | | | 14 | |
| 15 | | | | | | | | | | | | | | | 0.44 | 0.12 | | | | | | 0.01 | | 15 | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | 16 | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | 17 | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | 18 | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | 19 | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | 20 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | 21 | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | 22 | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | 23 | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | 24 | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | 25 | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | 26 | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | 27 | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | 0.01 | | | | | | | | | | | | | | 29 | |
| 30 | | | | 0.01 | 0.01 | 0.01 | | | | | | | | | | | | | | | | | 0.05 | 30 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | 31 | |
| Sum | 0.00 | 0.11 | 0.00 | 0.01 | 0.02 | 0.79 | 0.90 | 0.00 | 0.01 | 0.01 | 0.00 | 0.94 | 0.00 | 0.01 | 0.01 | 0.00 | 0.47 | 0.20 | 0.01 | 0.30 | 0.01 | 0.01 | 0.00 | 0.05 | Sum |

During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

HOUR-BY-HOUR DATA
August 2008: Oakland, NJ



Wind Rose: August 2008
Oakland, NJ



Maximum direction of wind: 10.1 miles from 326°
Maximum sector of wind: 90.1 miles from NW
363.6 total miles of wind