

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

October 2006

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 Speed | Res Speed | Res Dir | Peak | | | Minute | |
| | | | | | | | | | | | | | | | | | | | | 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 | 66.6 | 52.6 | 59.6 | 57.8 | 54 | 87 | 5 | 0 | ..... | 0 | 0.46 | 0.0 | 30.04 | 29.91 | 29.972 | 0.5 | 0.4 | 247 | 13 | SW | 4 | 232 | | |
| 2 | 65.8 | 46.8 | 56.3 | 55.0 | 48 | 79 | 8 | 0 | ..... | 0 | 0.00 | 0.0 | 30.16 | 30.02 | 30.092 | 1.1 | 1.0 | 304 | 18 | WNW | 7 | 306 | | |
| 3 | 76.5 | 44.2 | 60.4 | 58.2 | 54 | 86 | 4 | 0 | ..... | 0 | 0.00 | 0.0 | 30.18 | 30.05 | 30.124 | 0.3 | 0.3 | 231 | 10 | SSW | 3 | 204 | | |
| 4 | 77.0 | 52.5 | 64.8* | 64.4 | 60 | 87 | 0 | 0 | ..... | 0 | 0.62 | 0.0 | 30.11 | 29.86 | 29.993 | 0.4 | 0.4 | 233 | 13 | W | 3 | 300 | | |
| 5 | 64.8 | 42.3 | 53.6 | 55.5 | 47 | 76 | 11 | 0 | ..... | 0 | 0.01 | 0.0 | 30.22 | 29.86 | 30.088 | 1.6 | 1.5 | 353 | 17 | W | 8 | 350 | | |
| 6 | 56.2 | 41.8 | 49.0 | 50.4 | 41 | 71 | 16 | 0 | ..... | 0 | 0.00 | 0.0 | 30.38 | 30.21 | 30.324 | 1.3 | 1.2 | 19 | 17 | E | 6 | 33 | | |
| 7 | 61.2 | 43.9 | 52.6 | 51.8 | 43 | 72 | 12 | 0 | ..... | 0 | 0.00 | 0.0 | 30.38 | 30.31 | 30.345 | 1.5 | 1.4 | 9 | 15 | N | 6 | 352 | | |
| 8 | 71.1 | 40.3 | 55.7 | 52.7 | 45 | 80 | 9 | 0 | ..... | 0 | 0.00 | 0.0 | 30.34 | 30.18 | 30.266 | 0.2 | 0.1 | 171 | 5 | ENE | 3 | 162 | | |
| 9 | 77.9* | 44.2 | 61.1 | 58.4 | 53 | 84 | 4 | 0 | ..... | 0 | 0.00 | 0.0 | 30.18 | 29.99 | 30.080 | 0.4 | 0.3 | 233 | 10 | W | 4 | 281 | | |
| 10 | 73.9 | 45.1 | 59.5 | 57.5 | 52 | 84 | 5 | 0 | ..... | 0 | 0.00 | 0.0 | 30.02 | 29.92 | 29.980 | 0.2 | 0.0 | 355 | 6 | S | 3 | 137 | | |
| 11 | 58.1 | 53.2 | 55.7 | 56.8 | 55 | 94 | 9 | 0 | ..... | 0 | 1.34 | 0.0 | 29.98 | 29.60 | 29.874 | 0.4 | 0.4 | 24 | 11 | N | 4 | 343 | | |
| 12 | 66.4 | 49.1 | 57.8 | 58.7 | 51 | 79 | 7 | 0 | ..... | 0 | 0.10 | 0.0 | 29.72 | 29.49 | 29.538 | 1.1 | 1.0 | 248 | 18 | WNW | 7 | 335 | | |
| 13 | 53.6 | 31.0 | 42.3 | 42.3 | 27 | 59 | 22 | 0 | ..... | 0 | 0.00 | 0.0 | 29.89 | 29.71 | 29.831 | 1.2 | 1.1 | 240 | 18 | S | 8 | 316 | | |
| 14 | 57.3 | 29.1 | 43.2 | 41.4 | 30 | 69 | 22 | 0 | ..... | 0 | 0.00 | 0.0 | 29.93 | 29.72 | 29.828 | 1.2 | 1.0 | 236 | 19 | WSW | 7 | 210 | | |
| 15 | 55.0 | 29.8 | 42.4 | 40.9 | 31 | 73 | 22 | 0 | ..... | 0 | 0.00 | 0.0 | 30.15 | 29.93 | 30.028 | 0.8 | 0.7 | 248 | 15 | WSW | 7 | 219 | | |
| 16 | 59.9 | 29.8 | 44.9 | 43.0 | 34 | 75 | 20 | 0 | ..... | 0 | 0.00 | 0.0 | 30.29 | 30.15 | 30.241 | 0.4 | 0.4 | 231 | 11 | SW | 4 | 239 | | |
| 17 | 58.4 | 41.2 | 49.8 | 49.0 | 48 | 96 | 15 | 0 | ..... | 0 | 1.04 | 0.0 | 30.27 | 29.81 | 30.087 | 0.5 | 0.2 | 212 | 12 | S | 4 | 185 | | |
| 18 | 70.4 | 55.1 | 62.8 | 61.4 | 58 | 91 | 2 | 0 | ..... | 0 | 0.03 | 0.0 | 29.83 | 29.75 | 29.787 | 0.4 | 0.3 | 252 | 9 | WNW | 4 | 224 | | |
| 19 | 67.1 | 52.8 | 59.9 | 60.1 | 55 | 85 | 5 | 0 | ..... | 0 | 0.03 | 0.0 | 29.85 | 29.63 | 29.770 | 0.3 | 0.3 | 227 | 8 | SSE | 3 | 229 | | |
| 20 | 62.4 | 45.2 | 53.8 | 55.8 | 51 | 84 | 11 | 0 | ..... | 0 | 0.37 | 0.0 | 29.75 | 29.28 | 29.526 | 1.6 | 1.5 | 295 | 24 | W | 10 | 288 | | |
| 21 | 55.7 | 36.9 | 46.3 | 46.5 | 34 | 64 | 18 | 0 | ..... | 0 | 0.00 | 0.0 | 30.02 | 29.74 | 29.898 | 2.4 | 2.2 | 289 | 23 | SSW | 9 | 223 | | |
| 22 | 56.3 | 33.2 | 44.8 | 45.2 | 40 | 83 | 20 | 0 | ..... | 0 | 0.01 | 0.0 | 30.03 | 29.70 | 29.895 | 0.3 | 0.2 | 198 | 11 | SSW | 3 | 152 | | |
| 23 | 51.6 | 35.2 | 43.4 | 45.3 | 35 | 70 | 21 | 0 | ..... | 0 | 0.02 | 0.0 | 29.71 | 29.64 | 29.673 | 1.6 | 1.2 | 282 | 24 | NNW | 11 | 344 | | |
| 24 | 49.5 | 32.7 | 41.1 | 42.3 | 31 | 64 | 23 | 0 | ..... | 0 | 0.00 | 0.0 | 29.77 | 29.65 | 29.687 | 2.3 | 2.1 | 291 | 21 | W | 9 | 308 | | |
| 25 | 52.6 | 39.1 | 45.9 | 45.3 | 32 | 59 | 19 | 0 | ..... | 0 | 0.00 | 0.0 | 29.98 | 29.77 | 29.856 | 3.1 | 2.8 | 305 | 28 | N | 11 | 356 | | |
| 26 | 49.1 | 31.2 | 40.2 | 41.0 | 30 | 66 | 25 | 0 | ..... | 0 | 0.00 | 0.0 | 30.15 | 29.98 | 30.063 | 1.8 | 1.6 | 303 | 23 | WNW | 9 | 214 | | |
| 27 | 49.4 | 26.0* | 37.7* | 38.5 | 32 | 78 | 27 | 0 | ..... | 0 | 0.20 | 0.0 | 30.20 | 29.83 | 30.083 | 0.4 | 0.4 | 194 | 9 | SW | 5 | 168 | | |
| 28 | 64.5 | 43.3 | 53.9 | 53.0 | 48 | 83 | 11 | 0 | ..... | 0 | 1.93 | 0.0 | 29.83 | 29.03 | 29.297 | 3.4 | 3.0 | 220 | 28 | SSW | 11 | 234 | | |
| 29 | 51.9 | 41.2 | 46.6 | 45.8 | 25 | 45 | 18 | 0 | ..... | 0 | 0.00 | 0.0 | 29.87 | 29.27 | 29.576 | 5.0 | 5.0 | 230 | 28 | WSW | 14 | 221 | | |
| 30 | 60.9 | 32.5 | 46.7 | 45.0 | 28 | 57 | 18 | 0 | ..... | 0 | 0.00 | 0.0 | 30.02 | 29.87 | 29.964 | 1.4 | 1.4 | 233 | 16 | WSW | 7 | 237 | | |
| 31 | 70.3 | 32.8 | 51.6 | 49.6 | 41 | 76 | 13 | 0 | ..... | 0 | 0.00 | 0.0 | 30.01 | 29.82 | 29.910 | 0.6 | 0.6 | 222 | 16 | S | 6 | 233 | | |
| Sum | Sum | ----- | ----- | --- | ---- | Ttl | Ttl | | | | | | For the month: | | | | | | | | | | --- | |
| 1911 | 1254 | | | | | 422 | 0 | | Number of Days | 6.16 | 0.0 | 30.38 | 29.03 | 29.925 | 1.2 | 0.7 | 268 | 28 | N | 14 | 221 | | | |
| Avg | Avg | Avg | Mean | Avg | Avg | ---- | ---- | | Precip | Season Ttl | | Date | Date | ----- | ---- | ---- | --- | Date | Date | Avg | | | | |
| 61.7 | 40.5 | 51.1 | 50.6 | 42 | 76.0 | ---- | ---- | | ≥.01 inch | 13 | 34.38 | 0.0 | 6 | 28 | ----- | ---- | ---- | --- | 25+ | 29 | | | | |
| 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 | | | 544 | 735 | Thunder | 0 | Precipitation | | | Snow, Ice Plts | | | | | | | | | | | |
| ≥ 90°F | ≤ 32°F | ≤ 32°F | ≤ 0°F | ---- | ---- | Heavy Fog | 0 | 2.13 | 27-28 | 0.0 | - | 0 | | | | | - | | | | | | | |
| 0 | 0 | 6 | 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.

OBSERVER NOTES:

October was slightly on the cool side, with quiet weather over the first two thirds of the month, and very active weather during the final third of the month. Precipitation was well above av

OBSERVATIONS AT 3-HOUR INTERVALS

October 2006: Oakland, NJ

| Hour | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | 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 |
| OCT 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | 30.02 | 0.00 | 54 | 53 | 98 | 15 | 0 | 1 | | 30.03 | 0.00 | 52 | 49 | 87 | 34 | 1 | 2 | | 30.16 | 0.00 | 46 | 45 | 96 | 31 | 0 | 0 |
| 04 | | 29.98 | 0.00 | 53 | 53 | 99 | 15 | 0 | 0 | | 30.04 | 0.00 | 49 | 47 | 93 | 26 | 0 | 1 | | 30.16 | 0.00 | 45 | 44 | 97 | 31 | 0 | 0 |
| 07 | | 29.95 | 0.00 | 56 | 55 | 99 | 24 | 0 | 3 | | 30.10 | 0.00 | 51 | 48 | 89 | 28 | 2 | 5 | | 30.17 | 0.00 | 44 | 44 | 97 | 31 | 0 | 0 |
| 10 | | 29.98 | 0.00 | 58 | 58 | 99 | 22 | 0 | 0 | | 30.11 | 0.00 | 58 | 49 | 71 | 12 | 1 | 11 | | 30.17 | 0.00 | 57 | 53 | 86 | 31 | 1 | 2 |
| 13 | | 29.96 | 0.00 | 61 | 55 | 80 | 29 | 1 | 5 | | 30.11 | 0.00 | 63 | 48 | 58 | 30 | 5 | 11 | | 30.10 | 0.00 | 72 | 58 | 62 | 23 | 2 | 6 |
| 16 | | 29.92 | 0.00 | 65 | 55 | 69 | 23 | 1 | 6 | | 30.09 | 0.00 | 65 | 45 | 48 | 24 | 3 | 7 | | 30.05 | 0.00 | 73 | 64 | 72 | 24 | 0 | 1 |
| 19 | | 29.96 | 0.00 | 56 | 53 | 89 | 25 | 0 | 0 | | 30.12 | 0.00 | 54 | 50 | 86 | 31 | 0 | 0 | | 30.08 | 0.00 | 64 | 61 | 89 | 26 | 0 | 0 |
| 22 | | 30.01 | 0.00 | 54 | 50 | 87 | 25 | 1 | 2 | | 30.15 | 0.00 | 48 | 47 | 95 | 31 | 0 | 0 | | 30.11 | 0.00 | 60 | 59 | 96 | 26 | 0 | 0 |
| OCT 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCT 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MAXIMUM SHORT DURATION PRECIPITATION

| Time Period (minutes) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Precipitation | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 | 12.16 |
| Ended: Date | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| Ended: Time | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 | 2359 |

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.

OBSERVATIONS AT 3-HOUR INTERVALS

October 2006: Oakland, NJ

| Hour | OCT 19 | | | | | | | | | OCT 20 | | | | | | | | | OCT 21 | | | | | | | | |
|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|--------|----------|----------|---------------|-------------|-----------|----------|-----------|-------|------|
| | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust | Sunshine | Pressure | Rainfall rate | Temperature | Dew Point | Humidity | Direction | Speed | Gust |
| 01 | | 29.82 | 0.00 | 56 | 54 | 95 | 36 | 0 | 1 | 29.63 | 0.00 | 61 | 59 | 93 | 23 | 0 | 0 | 29.75 | 0.00 | 45 | 34 | 67 | 29 | 3 | 7 | | |
| 04 | | 29.83 | 0.00 | 55 | 54 | 95 | 36 | 0 | 0 | 29.54 | 0.00 | 61 | 60 | 95 | 26 | 0 | 0 | 29.80 | 0.00 | 43 | 35 | 73 | 21 | 2 | 4 | | |
| 07 | | 29.83 | 0.00 | 53 | 51 | 95 | 36 | 0 | 0 | 29.49 | 0.06 | 61 | 59 | 96 | 22 | 0 | 2 | 29.85 | 0.00 | 44 | 32 | 62 | 27 | 1 | 10 | | |
| 10 | | 29.84 | 0.00 | 59 | 54 | 83 | 20 | 0 | 1 | 29.42 | 0.00 | 61 | 60 | 97 | 19 | 0 | 1 | 29.92 | 0.00 | 47 | 33 | 57 | 01 | 3 | 13 | | |
| 13 | | 29.78 | 0.00 | 65 | 55 | 70 | 21 | 2 | 5 | 29.28 | 0.04 | 62 | 62 | 98 | 25 | 1 | 3 | 29.92 | 0.00 | 54 | 36 | 51 | 33 | 3 | 12 | | |
| 16 | | 29.73 | 0.00 | 66 | 58 | 75 | 24 | 0 | 5 | 29.41 | 0.00 | 53 | 45 | 73 | 28 | 2 | 20 | 29.93 | 0.00 | 55 | 32 | 41 | 35 | 5 | 12 | | |
| 19 | | 29.70 | 0.00 | 62 | 58 | 86 | 16 | 0 | 2 | 29.63 | 0.00 | 48 | 36 | 63 | 25 | 5 | 13 | 29.98 | 0.00 | 46 | 37 | 72 | 29 | 0 | 0 | | |
| 22 | | 29.66 | 0.00 | 63 | 58 | 85 | 23 | 0 | 3 | 29.71 | 0.00 | 46 | 34 | 63 | 27 | 3 | 16 | 30.02 | 0.00 | 39 | 36 | 92 | 29 | 0 | 0 | | |
| OCT 22 | | | | | | | | | OCT 23 | | | | | | | | | OCT 24 | | | | | | | | | |
| 01 | | 30.02 | 0.00 | 37 | 35 | 95 | 29 | 0 | 0 | 29.67 | 0.00 | 48 | 46 | 94 | 20 | 0 | 0 | 29.69 | 0.00 | 34 | 30 | 86 | 17 | 0 | 2 | | |
| 04 | | 30.01 | 0.00 | 35 | 33 | 94 | 29 | 0 | 0 | 29.65 | 0.00 | 44 | 42 | 93 | 20 | 0 | 1 | 29.66 | 0.00 | 35 | 32 | 88 | 20 | 0 | 2 | | |
| 07 | | 30.02 | 0.00 | 34 | 32 | 94 | 04 | 0 | 0 | 29.65 | 0.00 | 41 | 40 | 95 | 17 | 1 | 2 | 29.65 | 0.00 | 40 | 30 | 67 | 22 | 2 | 6 | | |
| 10 | | 30.00 | 0.00 | 46 | 44 | 93 | 03 | 1 | 2 | 29.67 | 0.00 | 49 | 38 | 66 | 34 | 3 | 11 | 29.66 | 0.00 | 43 | 30 | 61 | 29 | 4 | 17 | | |
| 13 | | 29.90 | 0.00 | 54 | 42 | 63 | 09 | 1 | 3 | 29.66 | 0.00 | 51 | 32 | 48 | 31 | 4 | 14 | 29.66 | 0.00 | 49 | 30 | 49 | 01 | 2 | 17 | | |
| 16 | | 29.80 | 0.00 | 56 | 44 | 65 | 15 | 0 | 6 | 29.67 | 0.00 | 48 | 28 | 46 | 30 | 4 | 11 | 29.68 | 0.00 | 47 | 30 | 51 | 24 | 5 | 17 | | |
| 19 | | 29.75 | 0.00 | 54 | 46 | 75 | 14 | 0 | 0 | 29.70 | 0.00 | 46 | 29 | 50 | 28 | 1 | 4 | 29.73 | 0.00 | 46 | 31 | 56 | 24 | 3 | 9 | | |
| 22 | | 29.71 | 0.00 | 47 | 44 | 89 | 14 | 0 | 0 | 29.71 | 0.00 | 40 | 30 | 66 | 23 | 0 | 2 | 29.76 | 0.00 | 44 | 32 | 62 | 24 | 4 | 11 | | |
| OCT 25 | | | | | | | | | OCT 26 | | | | | | | | | OCT 27 | | | | | | | | | |
| 01 | | 29.77 | 0.00 | 42 | 31 | 64 | 26 | 1 | 12 | 29.99 | 0.00 | 40 | 30 | 67 | 25 | 1 | 2 | 30.14 | 0.00 | 30 | 27 | 89 | 12 | 1 | 1 | | |
| 04 | | 29.79 | 0.00 | 41 | 31 | 69 | 19 | 2 | 5 | 30.02 | 0.00 | 34 | 30 | 85 | 26 | 0 | 3 | 30.14 | 0.00 | 28 | 26 | 91 | 12 | 0 | 0 | | |
| 07 | | 29.81 | 0.00 | 42 | 32 | 68 | 25 | 2 | 7 | 30.03 | 0.00 | 40 | 32 | 74 | 01 | 3 | 12 | 30.15 | 0.00 | 26 | 24 | 91 | 12 | 0 | 0 | | |
| 10 | | 29.86 | 0.00 | 46 | 33 | 60 | 35 | 3 | 14 | 30.07 | 0.00 | 44 | 31 | 59 | 03 | 2 | 13 | 30.18 | 0.00 | 32 | 31 | 96 | 12 | 0 | 0 | | |
| 13 | | 29.84 | 0.00 | 51 | 33 | 51 | 34 | 5 | 18 | 30.06 | 0.00 | 47 | 30 | 50 | 18 | 2 | 17 | 30.11 | 0.00 | 47 | 31 | 53 | 19 | 2 | 4 | | |
| 16 | | 29.86 | 0.00 | 51 | 32 | 48 | 20 | 3 | 24 | 30.06 | 0.00 | 48 | 28 | 46 | 29 | 5 | 18 | 30.03 | 0.00 | 49 | 34 | 56 | 24 | 0 | 5 | | |
| 19 | | 29.92 | 0.00 | 46 | 31 | 56 | 30 | 6 | 15 | 30.09 | 0.00 | 42 | 30 | 61 | 20 | 2 | 6 | 30.02 | 0.00 | 46 | 38 | 72 | 19 | 0 | 1 | | |
| 22 | | 29.97 | 0.00 | 44 | 30 | 58 | 34 | 3 | 7 | 30.14 | 0.00 | 36 | 29 | 77 | 19 | 1 | 2 | 29.94 | 0.00 | 44 | 40 | 88 | 26 | 0 | 0 | | |
| OCT 28 | | | | | | | | | OCT 29 | | | | | | | | | OCT 30 | | | | | | | | | |
| 01 | | 29.78 | 0.09 | 44 | 42 | 93 | 00 | 0 | 2 | 29.28 | 0.00 | 44 | 33 | 64 | 21 | 6 | 18 | 29.88 | 0.00 | 41 | 24 | 51 | 24 | 1 | 4 | | |
| 04 | | 29.58 | 0.32 | 49 | 48 | 97 | 05 | 1 | 3 | 29.39 | 0.00 | 44 | 28 | 54 | 25 | 5 | 14 | 29.92 | 0.00 | 36 | 28 | 74 | 22 | 1 | 3 | | |
| 07 | | 29.35 | 0.10 | 57 | 56 | 99 | 19 | 8 | 14 | 29.48 | 0.00 | 43 | 26 | 52 | 24 | 6 | 22 | 29.97 | 0.00 | 33 | 28 | 84 | 22 | 0 | 2 | | |
| 10 | | 29.14 | 0.00 | 60 | 59 | 98 | 20 | 9 | 26 | 29.54 | 0.00 | 48 | 25 | 41 | 22 | 6 | 15 | 29.99 | 0.00 | 52 | 28 | 39 | 28 | 3 | 9 | | |
| 13 | | 29.05 | 0.00 | 61 | 60 | 96 | 23 | 1 | 12 | 29.58 | 0.00 | 51 | 22 | 32 | 26 | 8 | 19 | 29.95 | 0.00 | 59 | 25 | 27 | 22 | 5 | 16 | | |
| 16 | | 29.10 | 0.00 | 57 | 47 | 69 | 23 | 5 | 13 | 29.65 | 0.00 | 49 | 20 | 31 | 24 | 6 | 22 | 29.96 | 0.00 | 59 | 29 | 31 | 21 | 1 | 6 | | |
| 19 | | 29.19 | 0.00 | 50 | 38 | 64 | 23 | 4 | 13 | 29.77 | 0.00 | 45 | 25 | 45 | 20 | 5 | 7 | 30.01 | 0.00 | 44 | 33 | 66 | 23 | 0 | 0 | | |
| 22 | | 29.25 | 0.00 | 46 | 33 | 61 | 23 | 5 | 15 | 29.84 | 0.00 | 44 | 22 | 43 | 22 | 3 | 5 | 30.02 | 0.00 | 39 | 33 | 81 | 23 | 0 | 1 | | |
| OCT 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | | 30.00 | 0.00 | 35 | 32 | 88 | 23 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 04 | | 30.01 | 0.00 | 34 | 31 | 91 | 23 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 07 | | 29.99 | 0.00 | 33 | 31 | 92 | 23 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 10 | | 29.94 | 0.00 | 54 | 43 | 67 | 25 | 1 | 5 | | | | | | | | | | | | | | | | | | |
| 13 | | 29.85 | 0.00 | 67 | 47 | 48 | 28 | 0 | 4 | | | | | | | | | | | | | | | | | | |
| 16 | | 29.82 | 0.00 | 65 | 47 | 52 | 23 | 0 | 3 | | | | | | | | | | | | | | | | | | |
| 19 | | 29.84 | 0.00 | 52 | 47 | 83 | 22 | 0 | 0 | | | | | | | | | | | | | | | | | | |
| 22 | | 29.84 | 0.00 | 53 | 47 | 80 | 22 | 0 | 0 | | | | | | | | | | | | | | | | | | |

WEATHER NOTES

NOTES:

Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.
 Wind Direction: Directions are those from which the wind is blowing, indicated in tens of degrees from true north: i.e., 09 for East, 18 for South, 27 for West, and 00 or 36 for North.
 Wind Speed: The observed one-minute average speed in miles-per-hour.
 Wind Gust: The maximum instantaneous wind speed for the 10-minute period preceding the observation.
 Rainfall Rate: The instantaneous rainfall rate at the time of observation, calculated by timing consecutive 0.01" pulses from the electronic rain gauge and interpolating this rate for one hour.

SUMMARY BY HOUR

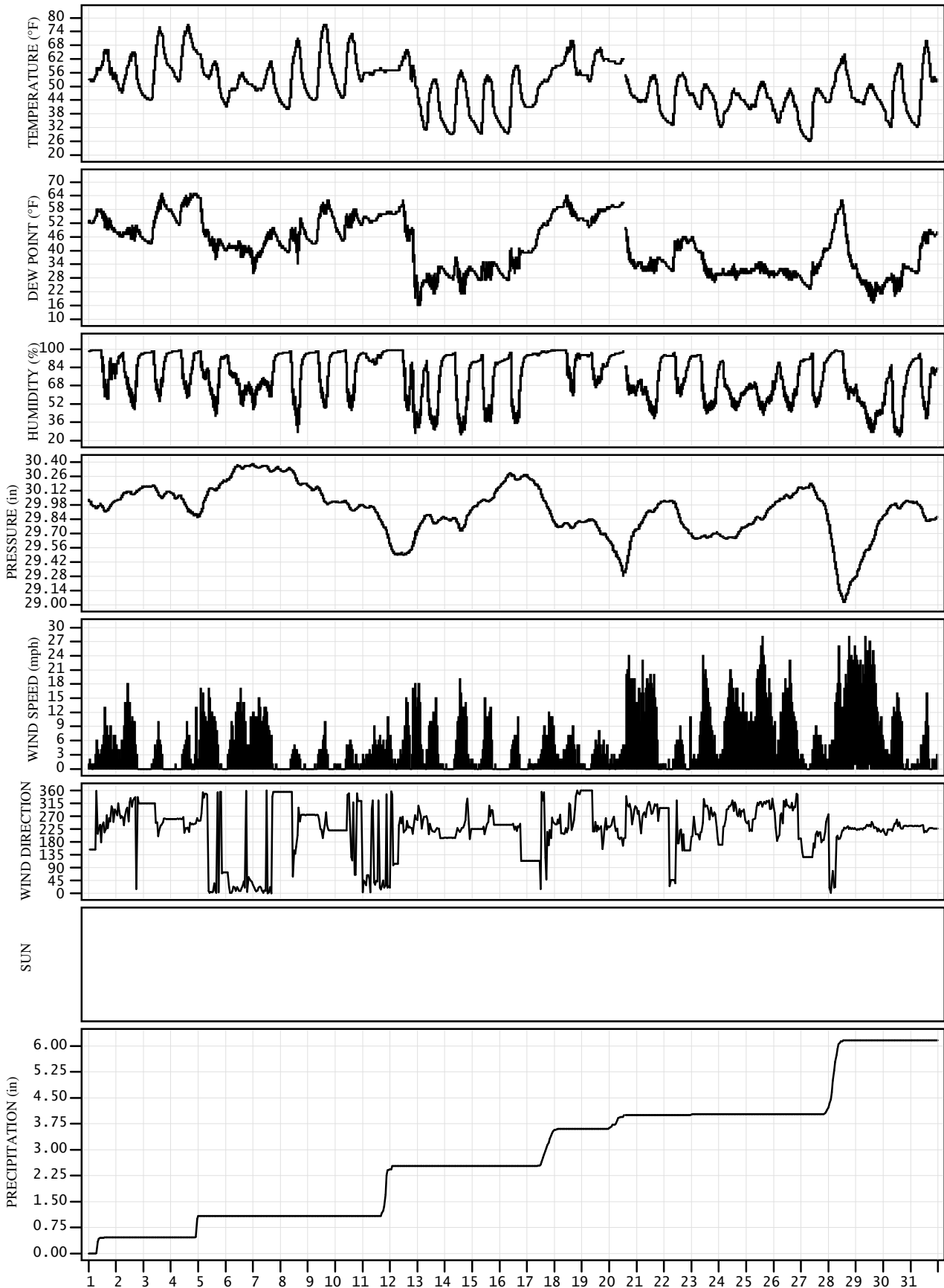
| Hour | Averages | | | | | | Resultant Wind | |
|------|----------|----------|-------------|-----------|----------|------------|----------------|-------|
| | Sunshine | Pressure | Temperature | Dew Point | Humidity | Wind Speed | Direction | Speed |
| 01 | | 29.934 | 46 | 41 | 86 | 0.7 | 27 | 0.3 |
| 04 | | 29.929 | 44 | 41 | 88 | 0.5 | 26 | 0.2 |
| 07 | | 29.941 | 44 | 40 | 87 | 0.9 | 24 | 0.4 |
| 10 | | 29.946 | 52 | 45 | 78 | 1.7 | 29 | 0.6 |
| 13 | | 29.906 | 59 | 44 | 60 | 2.3 | 28 | 1.0 |
| 16 | | 29.887 | 59 | 42 | 55 | 2.1 | 26 | 1.3 |
| 19 | | 29.917 | 52 | 44 | 75 | 0.9 | 26 | 0.6 |
| 22 | | 29.937 | 48 | 42 | 82 | 0.8 | 26 | 0.6 |

HOURLY PRECIPITATION (Water Equivalent)
October 2006: Oakland, NJ

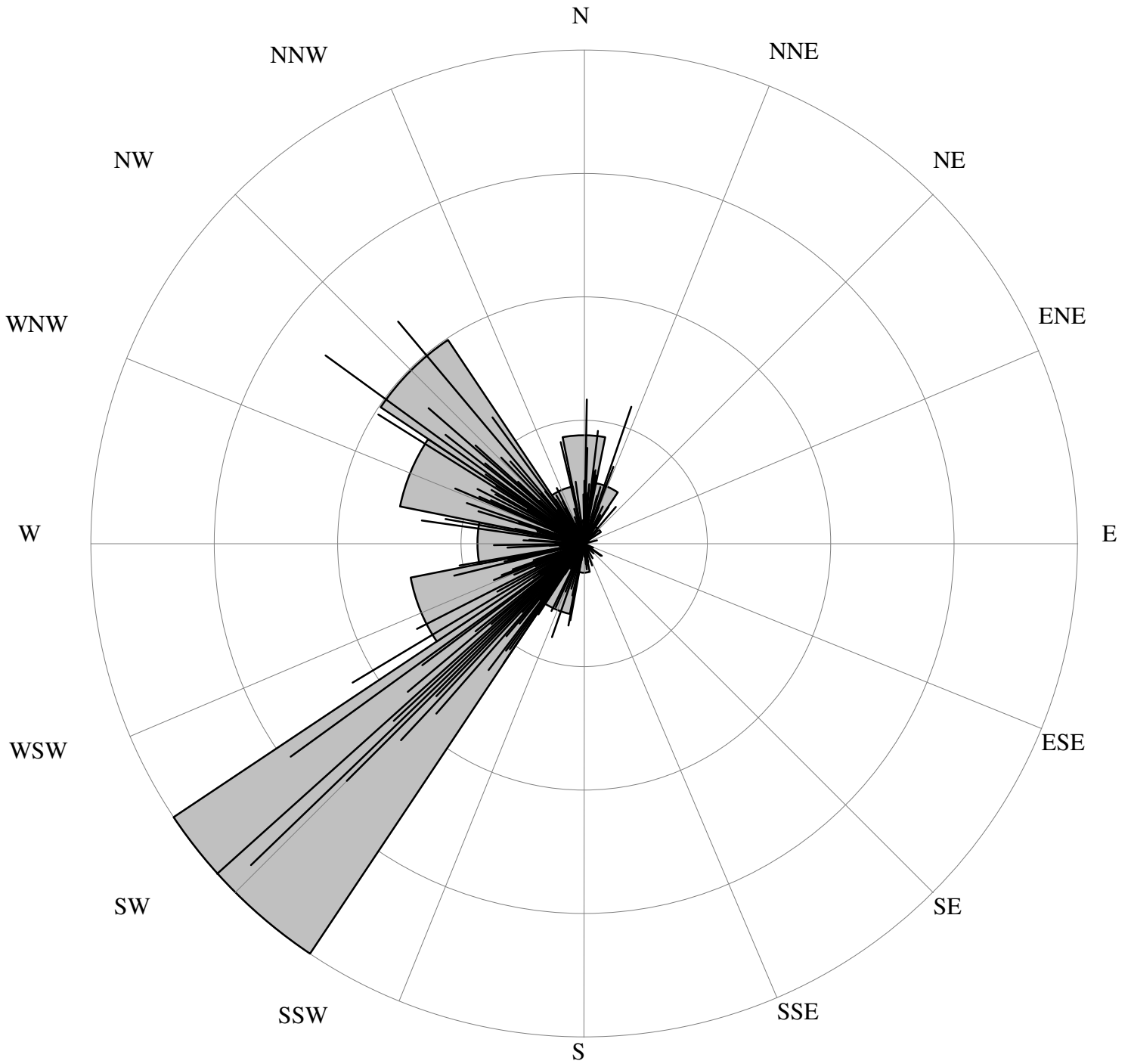
| Date | A.M. Hour Ending at | | | | | | | | | | | | P.M. Hour Ending at | | | | | | | | | | | | Date |
|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 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 | | | | | | | 0.01 | 0.33 | 0.09 | 0.02 | | | | | | | | | | | | | | 01 | |
| 02 | | | | | | | | | | | | | | 0.01 | | | | | | | | | | | 02 |
| 03 | | | | | | | | | | | | | | | | | | | | | | | | | 03 |
| 04 | | | | | | | | | | | | | | | | | | | | | 0.01 | 0.01 | 0.52 | 0.08 | 04 |
| 05 | 0.01 | | | | | | | | | | | | | | | | | | | | | | | | 05 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | 06 |
| 07 | | | | | | | | | | | | | | | | | | | | | | | | | 07 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | 08 |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | 09 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | | 0.10 | | | | | | | | | | | | | 0.07 | 0.08 | 0.12 | 0.35 | 0.55 | 0.14 | 0.02 | 0.01 | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | 0.01 | | 0.03 | 0.08 | 0.12 | 0.09 | 0.11 | 0.08 | 0.08 | 0.07 | 0.11 | 0.10 | 0.07 | 0.05 | 0.04 | | 17 |
| 18 | 0.01 | 0.01 | 0.01 | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | 0.01 | 0.02 | 19 |
| 20 | 0.02 | 0.02 | 0.05 | | | 0.03 | 0.10 | 0.07 | 0.02 | 0.01 | | | 0.05 | | | | | | | | | | | | 20 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | 0.01 | | 22 |
| 23 | 0.02 | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | 0.03 | 0.04 | 0.05 | 0.08 | 27 |
| 28 | 0.10 | 0.12 | 0.21 | 0.33 | 0.30 | 0.26 | 0.19 | 0.18 | 0.13 | 0.04 | 0.04 | 0.01 | 0.02 | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | 31 |
| Sum | 0.16 | 0.25 | 0.27 | 0.33 | 0.30 | 0.29 | 0.30 | 0.58 | 0.24 | 0.08 | 0.04 | 0.04 | 0.15 | 0.13 | 0.09 | 0.11 | 0.15 | 0.16 | 0.19 | 0.46 | 0.69 | 0.26 | 0.65 | 0.24 | 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
October 2006: Oakland, NJ



Wind Rose: October 2006
Oakland, NJ



Maximum direction of wind: 31.5 miles from 228°
Maximum sector of wind: 282.8 miles from SW
904.3 total miles of wind