

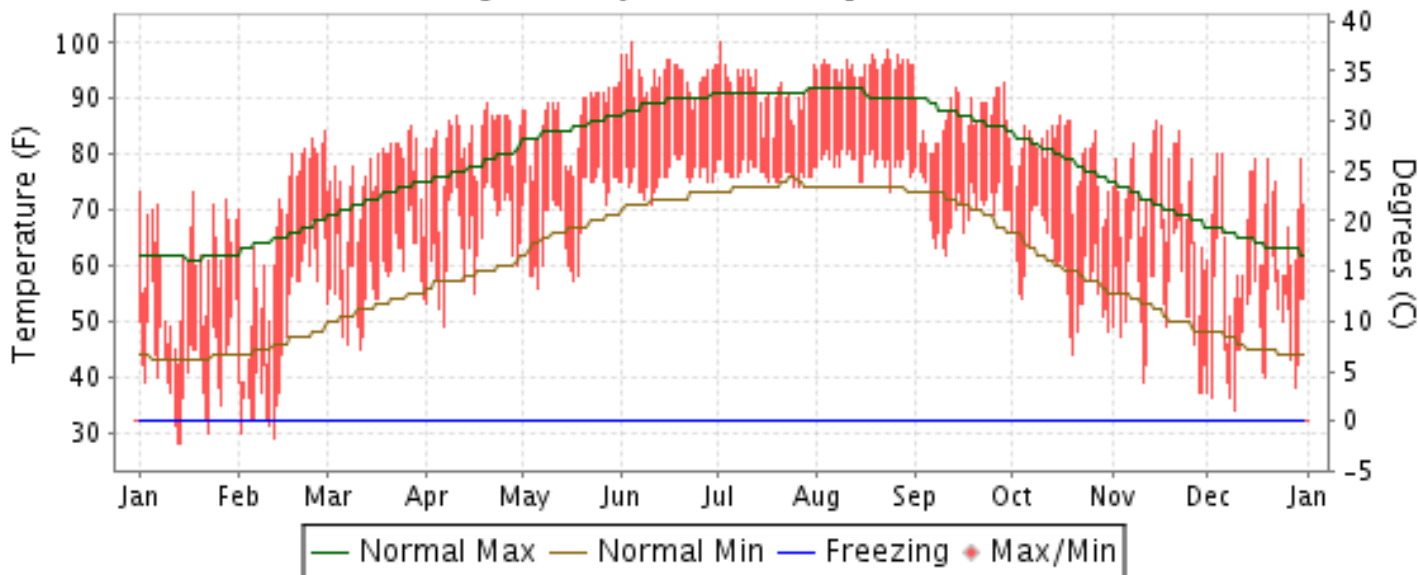


# 2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

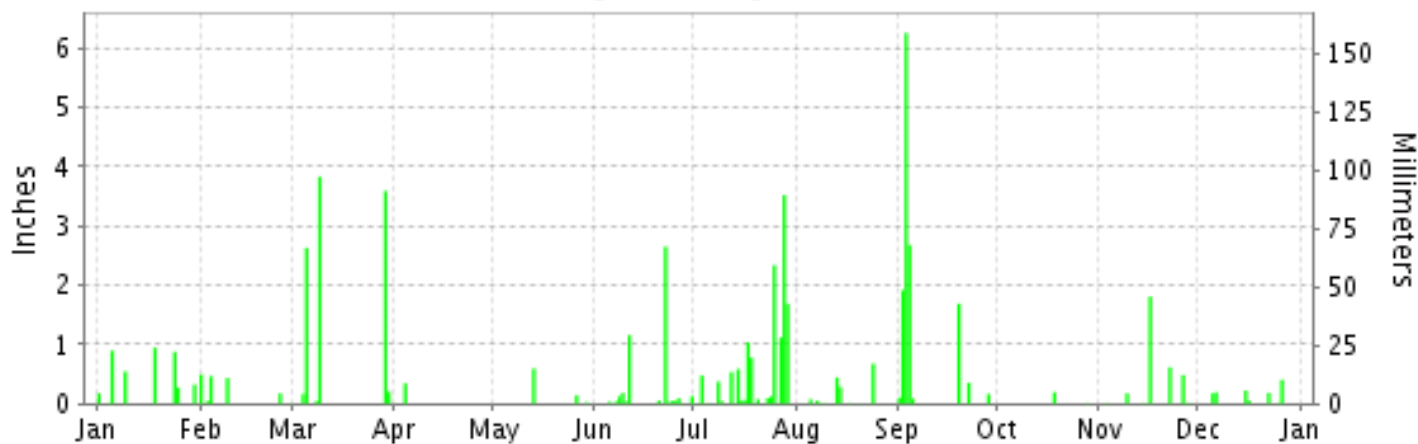
ISSN 0198-2311

## NEW ORLEANS, LOUISIANA (KMSY)

### Daily Max/Min Temperature



### Daily Precipitation



### Daily Station Pressure



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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE, NORTH CAROLINA

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DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR 2011

## NEW ORLEANS (KMSY)

LATITUDE: 29° 59'N      LONGITUDE: -90° 15'W      ELEVATION (FT): GRND: 4 BARO: 7      TIME ZONE: CENTRAL (UTC -6)      WBAN: 12916

| ELEMENT                  |                             | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |     |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|-----|
| TEMPERATURE °F           | MEAN DAILY MAXIMUM          | 60.4  | 66.4  | 75.8  | 82.9  | 86.3  | 94.1  | 91.7  | 95.9  | 86.6  | 79.9  | 73.3  | 66.3   | 80.0      |     |
|                          | HIGHEST DAILY MAXIMUM       | 73    | 84    | 85    | 89    | 93    | 100   | 100   | 99    | 93    | 87    | 86    | 80     | 100       |     |
|                          | DATE OF OCCURRENCE          | 18+   | 28    | 27    | 20    | 31    | 04    | 02    | 23    | 28    | 16    | 15    | 05+    | JUL 02    |     |
|                          | MEAN DAILY MINIMUM          | 41.8  | 46.9  | 57.6  | 65.1  | 68.6  | 75.9  | 76.6  | 78.6  | 70.2  | 58.9  | 54.9  | 49.3   | 62.0      |     |
|                          | LOWEST DAILY MINIMUM        | 28    | 29    | 45    | 49    | 56    | 71    | 74    | 73    | 62    | 44    | 37    | 34     | 28        |     |
|                          | DATE OF OCCURRENCE          | 14+   | 12    | 11    | 06    | 06    | 10    | 26+   | 24    | 10    | 20    | 29+   | 09     | JAN 14+   |     |
|                          | AVERAGE DRY BULB            | 51.1  | 56.7  | 66.7  | 74.0  | 77.5  | 85.0  | 84.2  | 87.3  | 78.4  | 69.4  | 64.1  | 57.8   | 71.0      |     |
|                          | MEAN WET BULB               | 45.0  |       | 60.1  | 66.3  | 68.5  | 75.3  | 76.4  | 77.2  | 70.6  | 60.6  | 57.4  |        |           |     |
|                          | MEAN DEW POINT              | 37.9  |       | 55.2  | 61.0  | 63.4  | 71.3  | 73.6  | 73.3  | 66.2  | 54.1  | 51.8  |        |           |     |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | MAXIMUM >= 90°              | 0     | 0     | 0     | 0     | 11    | 29    | 25    | 31    | 9     | 0     | 0     | 0      | 0         | 105 |
| MAXIMUM <= 32°           | 0                           | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 1         |     |
| MINIMUM <= 32°           | 5                           | 6     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 11        |     |
| MINIMUM <= 0°            | 0                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 0         |     |
| H/C                      | HEATING DEGREE DAYS         | 423   | 294   | 50    | 9     | 0     | 0     | 0     | 0     | 0     | 28    | 123   | 251    | 1178      |     |
|                          | COOLING DEGREE DAYS         | 0     | 70    | 109   | 285   | 396   | 608   | 603   | 701   | 410   | 174   | 100   | 37     | 3493      |     |
| RH                       | MEAN (PERCENT)              | 66    | 70    | 69    | 66    | 65    | 67    | 75    | 67    | 69    | 62    | 68    | 73     | 68        |     |
|                          | HOUR 00 LST                 | 71    | 78    | 78    | 73    | 77    | 78    | 83    | 78    | 77    | 72    | 75    | 80     | 77        |     |
|                          | HOUR 06 LST                 | 77    | 83    | 82    | 77    | 79    | 80    | 85    | 81    | 83    | 79    | 78    | 82     | 81        |     |
|                          | HOUR 12 LST                 | 55    | 59    | 57    | 53    | 51    | 52    | 63    | 53    | 57    | 47    | 55    | 63     | 55        |     |
|                          | HOUR 18 LST                 | 60    | 61    | 58    | 60    | 57    | 60    | 70    | 58    | 59    | 52    | 65    | 72     | 61        |     |
| S                        | PERCENT POSSIBLE SUNSHINE   |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| W/O                      | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | HEAVY FOG(VISBY <= 1/4 MI)  | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 0      | 1         |     |
|                          | THUNDERSTORMS               | 1     | 1     | 4     | 1     | 3     | 13    | 21    | 11    | 6     | 0     | 3     | 0      | 64        |     |
| CLOUDINESS               | SUNRISE-SUNSET: (OKTAS)     |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | CEILOMETER (<= 12,000 FT.)  |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | SATELLITE (> 12,000 FT.)    |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | MIDNIGHT-MIDNIGHT: (OKTAS)  |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | CEILOMETER (<= 12,000 FT.)  |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| SATELLITE (> 12,000 FT.) |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| NUMBER OF DAYS WITH:     |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| CLEAR                    |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| PARTLY CLOUDY            |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| CLOUDY                   |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| PR                       | MEAN STATION PRESS. (IN.)   | 30.08 | 30.10 | 30.04 | 29.95 | 29.95 | 29.94 | 29.95 | 29.89 | 29.91 | 30.02 | 30.09 | 30.16  | 30.01     |     |
|                          | MEAN SEA-LEVEL PRESS. (IN.) | 30.11 | 30.13 | 30.08 | 29.98 | 29.98 | 29.98 | 29.98 | 29.92 | 29.94 | 30.05 | 30.12 | 30.19  | 30.04     |     |
| WINDS                    | RESULTANT SPEED (MPH)       | 2.9   | 0.6   | 2.1   | 6.6   | 3.8   | 3.1   | 2.1   | 1.4   | 1.1   | 3.7   | 2.0   | 2.7    | 1.0       |     |
|                          | RES. DIR. (TENS OF DEGS.)   | 36    | 18    | 14    | 17    | 15    | 19    | 21    | 27    | 07    | 03    | 06    | 06     | 14        |     |
|                          | MEAN SPEED (MPH)            | 8.0   | 8.9   | 8.8   | 11.2  | 9.5   | 6.8   | 5.1   | 5.5   | 7.7   | 6.8   | 9.2   | 8.1    | 8.0       |     |
|                          | PREVAIL.DIR.(TENS OF DEGS.) | 35    | 17    | 17    | 17    | 15    | 18    | 17    | 24    | 01    | 04    | 08    | 03     | 17        |     |
|                          | MAXIMUM 2-MINUTE WIND       |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | SPEED (MPH)                 | 37    | 30    | 47    | 44    | 29    | 28    | 24    | 31    | 37    | 28    | 30    | 32     | 47        |     |
|                          | DIR. (TENS OF DEGS.)        | 10    | 21    | 30    | 26    | 03    | 04    | 33    | 07    | 16    | 02    | 01    | 29     | 30        |     |
|                          | DATE OF OCCURRENCE          | 09    | 01    | 09    | 04    | 03    | 28    | 26    | 24    | 04    | 29    | 10    | 22     | MAR 09    |     |
|                          | MAXIMUM 3-SECOND WIND:      |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | SPEED (MPH)                 | 54    | 39    | 77    | 61    | 35    | 35    | 40    | 39    | 49    | 38    | 39    | 41     | 77        |     |
| DIR. (TENS OF DEGS.)     | 09                          | 20    | 29    | 25    | 33    | 04    | 21    | 31    | 12    | 31    | 36    | 28    | 29     |           |     |
| DATE OF OCCURRENCE       | 09                          | 24    | 09    | 04    | 13    | 28    | 13    | 27    | 03    | 18    | 10    | 22    | MAR 09 |           |     |
| PRECIPITATION            | WATER EQUIVALENT:           |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | TOTAL (IN.)                 | 4.09  | 1.65  | 10.48 | 0.35  | 0.78  | 4.70  | 13.00 | 1.61  | 13.27 | 0.22  | 3.18  | 1.30   | 54.63     |     |
|                          | GREATEST 24-HOUR (IN.)      | 1.16  | 0.52  | 3.87  | 0.35  | 0.60  | 2.65  | 3.74  | 0.68  | 7.00  | 0.20  | 1.81  | 0.41   | 7.00      |     |
|                          | DATE OF OCCURRENCE          | 24-25 | 03-04 | 08-09 | 04    | 13    | 22    | 28-29 | 24    | 02-03 | 18    | 16    | 26     | SEP 02-03 |     |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | PRECIPITATION 0.01          | 8     | 6     | 6     | 1     | 3     | 14    | 18    | 8     | 8     | 2     | 8     | 8      | 90        |     |
| PRECIPITATION 0.10       | 7                           | 4     | 5     | 0     | 2     | 6     | 12    | 3     | 7     | 1     | 4     | 5     | 56     |           |     |
| PRECIPITATION 1.00       | 0                           | 0     | 3     | 0     | 0     | 2     | 5     | 0     | 4     | 0     | 1     | 0     | 15     |           |     |
| SNOWFALL                 | SNOW,ICE PELLETS,HAIL       |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | TOTAL (IN.)                 |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | GREATEST 24-HOUR (IN.)      |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | DATE OF OCCURRENCE          |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
|                          | NUMBER OF DAYS WITH:        |       |       |       |       |       |       |       |       |       |       |       |        |           |     |
| SNOWFALL >= 1.0          |                             |       |       |       |       |       |       |       |       |       |       |       |        |           |     |

# NORMALS, MEANS, AND EXTREMES NEW ORLEANS (KMSY)

**LATITUDE:** 29° 59'N      **LONGITUDE:** -90° 15'W      **ELEVATION (FT):** GRND: 4 BARO: 7      **TIME ZONE:** CENTRAL (UTC -6)      **WBAN: 12916**

|  | ELEMENT   | POR | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | YEAR     |
|--|---|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| <b>TEMPERATURE °F</b>                    | NORMAL DAILY MAXIMUM                              | 30  | 61.8  | 65.3  | 72.1  | 78.0  | 84.8  | 89.4  | 91.1  | 91.0  | 87.1  | 79.7  | 71.0  | 64.5  | 78.0     |
|  | MEAN DAILY MAXIMUM                                | 73  | 62.1  | 64.4  | 71.4  | 77.9  | 84.9  | 89.3  | 90.8  | 90.7  | 86.6  | 79.7  | 70.4  | 64.3  | 77.7     |
|  | HIGHEST DAILY MAXIMUM                             | 65  | 83    | 85    | 89    | 92    | 96    | 101   | 101   | 102   | 101   | 94    | 87    | 84    | 102      |
|  | YEAR OF OCCURRENCE                                |     | 1982  | 1972  | 1982  | 1987  | 1953  | 2009  | 1981  | 1980  | 1980  | 1998  | 1997  | 1995  | AUG 1980 |
|  | MEAN OF EXTREME MAXS.                             | 73  | 77.5  | 79.2  | 82.5  | 86.7  | 91.4  | 94.7  | 95.8  | 95.8  | 93.2  | 88.7  | 83.2  | 79.7  | 87.4     |
|  | NORMAL DAILY MINIMUM                              | 30  | 43.4  | 46.1  | 52.7  | 58.4  | 66.4  | 72.0  | 74.2  | 73.9  | 70.6  | 60.2  | 51.8  | 45.6  | 59.6     |
|  | MEAN DAILY MINIMUM                                | 73  | 44.0  | 46.1  | 52.6  | 59.0  | 66.5  | 71.7  | 74.1  | 74.0  | 70.5  | 60.8  | 51.2  | 45.9  | 59.7     |
|  | LOWEST DAILY MINIMUM                              | 65  | 14    | 16    | 25    | 32    | 41    | 50    | 60    | 60    | 42    | 35    | 24    | 11    | 11       |
|  | YEAR OF OCCURRENCE                                |     | 1985  | 1996  | 1980  | 1971  | 1960  | 1984  | 1967  | 1968  | 1967  | 1993  | 1970  | 1989  | DEC 1989 |
|  | MEAN OF EXTREME MINS.                             | 73  | 26.8  | 30.4  | 36.0  | 44.2  | 54.7  | 64.3  | 69.6  | 68.8  | 60.6  | 44.9  | 35.5  | 29.0  | 47.1     |
|  | NORMAL DRY BULB                                   | 30  | 52.6  | 55.7  | 62.4  | 68.2  | 75.6  | 80.7  | 82.7  | 82.5  | 78.9  | 70.0  | 61.4  | 55.1  | 68.8     |
|  | MEAN DRY BULB                                     | 73  | 53.0  | 55.3  | 62.0  | 68.5  | 75.7  | 80.6  | 82.5  | 82.4  | 78.5  | 70.3  | 60.8  | 55.1  | 68.7     |
|  | MEAN WET BULB                                     | 28  | 47.5  | 51.2  | 55.8  | 61.7  | 68.8  | 73.8  | 75.5  | 75.6  | 72.1  | 63.6  | 56.2  | 50.1  | 62.7     |
|  | MEAN DEW POINT                                    | 28  | 45.2  | 48.3  | 53.5  | 59.4  | 67.0  | 72.6  | 74.3  | 74.3  | 70.3  | 61.6  | 54.1  | 47.3  | 60.7     |
|  | NORMAL NO. DAYS WITH:<br>MAXIMUM >= 90            | 30  | 0.0   | 0.0   | 0.0   | 0.3   | 3.9   | 15.8  | 21.5  | 22.3  | 10.2  | 1.1   | 0.0   | 0.0   | 75.1     |
|  | MAXIMUM <= 32                                     | 30  | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.2      |
| MINIMUM <= 32                            | 30  | 4.6 | 2.4   | 0.4   | *     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.7   | 11.6  |          |
| MINIMUM <= 0                             | 30  | 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   |          |
| <b>H/C</b>                               | NORMAL HEATING DEG. DAYS                          | 30  | 403   | 288   | 150   | 44    | 1     | 0     | 0     | 0     | 0     | 30    | 169   | 332   | 1417     |
|  | NORMAL COOLING DEG. DAYS                          | 30  | 12    | 19    | 62    | 136   | 320   | 466   | 538   | 534   | 413   | 182   | 62    | 29    | 2773     |
| <b>RH</b>                                | NORMAL (PERCENT)                                  | 30  | 75    | 74    | 73    | 73    | 74    | 78    | 79    | 79    | 77    | 75    | 76    | 77    | 76       |
|  | HOURLY 00 LST                                     | 30  | 81    | 80    | 81    | 83    | 85    | 87    | 88    | 88    | 86    | 85    | 85    | 83    | 84       |
|  | HOURLY 06 LST                                     | 30  | 84    | 84    | 85    | 87    | 89    | 90    | 92    | 92    | 89    | 88    | 87    | 85    | 88       |
|  | HOURLY 12 LST                                     | 30  | 66    | 63    | 61    | 59    | 60    | 64    | 66    | 65    | 65    | 60    | 63    | 65    | 63       |
|  | HOURLY 18 LST                                     | 30  | 71    | 66    | 65    | 64    | 65    | 68    | 71    | 72    | 72    | 71    | 75    | 74    | 70       |
| <b>S</b>                                 | PERCENT POSSIBLE SUNSHINE                         | 22  | 46    | 50    | 56    | 62    | 62    | 63    | 59    | 61    | 61    | 64    | 54    | 48    | 57       |
| <b>W/O</b>                               | MEAN NO. DAYS WITH:<br>HEAVY FOG(VISBY <= 1/4 MI) | 48  | 4.6   | 3.3   | 2.9   | 1.1   | 0.5   | 0.2   | 0.1   | 0.3   | 0.3   | 1.4   | 2.6   | 3.8   | 21.1     |
|  | THUNDERSTORMS                                     | 64  | 2.1   | 2.8   | 3.9   | 4.2   | 5.8   | 10.5  | 15.5  | 12.9  | 6.4   | 2.2   | 2.3   | 2.1   | 70.7     |
| <b>CLOUDINESS</b>                        | MEAN:<br>SUNRISE-SUNSET (OKTAS)                   | 48  | 5.4   | 5.0   | 5.0   | 4.6   | 4.9   | 4.9   | 5.1   | 4.6   | 4.3   | 3.6   | 4.3   | 5.1   | 4.7      |
|  | MIDNIGHT-MIDNIGHT (OKTAS)                         | 32  | 5.2   | 4.8   | 4.9   | 4.4   | 4.2   | 4.0   | 4.6   | 4.3   | 4.0   | 3.3   | 4.0   | 4.8   | 4.4      |
|  | MEAN NO. DAYS WITH:<br>CLEAR                      | 48  | 6.9   | 7.5   | 7.8   | 7.9   | 8.9   | 8.3   | 4.6   | 7.2   | 9.6   | 14.3  | 10.2  | 7.7   | 100.9    |
|  | PARTLY CLOUDY                                     | 48  | 7.1   | 6.4   | 8.0   | 10.4  | 11.2  | 12.5  | 14.6  | 13.8  | 10.6  | 7.9   | 8.2   | 7.4   | 118.1    |
|  | CLOUDY  | 48  | 16.9  | 14.3  | 15.2  | 11.7  | 10.9  | 9.2   | 11.8  | 10.0  | 9.8   | 8.9   | 11.5  | 15.9  | 146.1    |
| <b>PR</b>                                | MEAN STATION PRESSURE(IN)                         | 28  | 30.13 | 30.09 | 30.03 | 29.98 | 29.96 | 29.95 | 29.99 | 29.96 | 29.95 | 30.02 | 30.08 | 30.12 | 30.02    |
|  | MEAN SEA-LEVEL PRES. (IN)                         | 28  | 30.16 | 30.12 | 30.06 | 30.01 | 29.99 | 29.98 | 30.03 | 30.00 | 29.98 | 30.05 | 30.11 | 30.15 | 30.05    |
| <b>WINDS</b>                             | MEAN SPEED (MPH)                                  | 28  | 9.1   | 9.5   | 9.3   | 9.4   | 8.2   | 6.7   | 5.9   | 6.0   | 7.4   | 8.0   | 8.4   | 8.9   | 8.1      |
|  | PREVAIL.DIR.(TENS OF DEGS)                        | 33  | 36    | 36    | 17    | 17    | 19    | 19    | 25    | 05    | 05    | 05    | 01    | 36    | 17       |
|  | MAXIMUM 2-MINUTE:<br>SPEED (MPH)                  | 15  | 48    | 43    | 47    | 45    | 44    | 40    | 46    | 40    | 46    | 39    | 39    | 39    | 48       |
|  | DIR. (TENS OF DEGS)                               |     | 27    | 21    | 30    | 30    | 32    | 25    | 04    | 02    | 01    | 17    | 28    | 24    | 27       |
|  | YEAR OF OCCURRENCE                                |     | 1998  | 1998  | 2011  | 2004  | 2004  | 2004  | 2005  | 1997  | 2002  | 2002  | 2004  | 2000  | JAN 1998 |
|  | MAXIMUM 3-SECOND<br>SPEED (MPH)                   | 15  | 63    | 51    | 77    | 61    | 64    | 64    | 62    | 48    | 63    | 51    | 46    | 51    | 77       |
|  | DIR. (TENS OF DEGS)                               |     | 33    | 21    | 29    | 25    | 02    | 25    | 23    | 04    | 04    | 13    | 21    | 25    | 29       |
|  | YEAR OF OCCURRENCE                                |     | 1998  | 1998  | 2011  | 2011  | 2004  | 2004  | 2010  | 1997  | 2008  | 2002  | 2002  | 2005  | MAR 2011 |
| <b>PRECIPITATION</b>                     | NORMAL (IN)                                       | 30  | 5.87  | 5.47  | 5.24  | 5.02  | 4.62  | 6.83  | 6.20  | 6.15  | 5.55  | 3.05  | 5.09  | 5.07  | 64.16    |
|  | MAXIMUM MONTHLY (IN)                              | 65  | 19.28 | 12.59 | 19.09 | 16.12 | 21.18 | 17.62 | 13.15 | 16.12 | 18.98 | 13.20 | 19.81 | 25.92 | 25.92    |
|  | YEAR OF OCCURRENCE                                |     | 1998  | 1983  | 1948  | 1980  | 1995  | 2001  | 1991  | 1977  | 1998  | 1985  | 1989  | 2009  | DEC 2009 |
|  | MINIMUM MONTHLY (IN)                              | 65  | 0.19  | 0.15  | 0.24  | 0.28  | 0.07  | 0.23  | 1.38  | 1.61  | 0.24  | 0.00  | 0.21  | 1.30  | 0.00     |
|  | YEAR OF OCCURRENCE                                |     | 2003  | 1989  | 1955  | 1976  | 2000  | 1979  | 2000  | 2011  | 1953  | 1978  | 1949  | 2011  | OCT 1978 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 65  | 6.08  | 5.60  | 7.87  | 8.08  | 12.40 | 7.40  | 4.43  | 4.96  | 9.55  | 6.08  | 12.66 | 8.76  | 12.66    |
|  | YEAR OF OCCURRENCE                                |     | 1978  | 1961  | 1948  | 1988  | 1995  | 1988  | 1996  | 1992  | 2002  | 2007  | 1989  | 2009  | NOV 1989 |
|  | NORMAL NO. DAYS WITH:<br>PRECIPITATION >= 0.01    | 30  | 10.5  | 8.4   | 8.6   | 7.2   | 8.0   | 11.8  | 13.9  | 13.2  | 10.2  | 5.9   | 8.6   | 9.4   | 115.7    |
|  | PRECIPITATION >= 1.00                             | 30  | 1.9   | 1.8   | 2.1   | 1.5   | 1.6   | 2.5   | 1.7   | 1.7   | 1.7   | 1.0   | 1.8   | 1.5   | 20.8     |
| <b>SNOWFALL</b>                          | NORMAL (IN)                                       | 30  | 0.*   | 0.*   | 0.*   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.*   | 0.0      |
|  | MAXIMUM MONTHLY (IN)                              | 51  | 0.4   | 2.0   | T     | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T     | 2.7   | 2.7      |
|  | YEAR OF OCCURRENCE                                |     | 1985  | 1958  | 1993  | 1996  | 1989  |       |       |       |       |       | 1950  | 1963  | DEC 1963 |
|  | MAXIMUM IN 24 HOURS (IN)                          | 50  | 0.4   | 2.0   | T     | T     | T     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T     | 2.7   | 2.7      |
|  | YEAR OF OCCURRENCE                                |     | 1985  | 1958  | 1993  | 1996  | 1989  |       |       |       |       |       | 1950  | 1963  | DEC 1963 |
|  | MAXIMUM SNOW DEPTH (IN)                           | 48  | 2     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 2        |
|  | YEAR OF OCCURRENCE                                |     | 1964  | 1958  |       |       |       |       |       |       |       |       |       | 1989  | JAN 1964 |
| NORMAL NO. DAYS WITH:<br>SNOWFALL >= 1.0 | 30  | 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   |          |

**PRECIPITATION (inches) 2011 NEW ORLEANS (KMSY)**

| YEAR           | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC   | ANNUAL |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1982           | 2.76  | 7.88  | 2.56  | 5.86  | 1.19  | 5.43  | 13.07 | 1.92  | 5.40  | 3.84  | 5.45  | 10.26 | 65.62  |
| 1983           | 3.31  | 12.59 | 4.88  | 14.86 | 3.71  | 10.64 | 2.95  | 6.29  | 5.72  | 4.88  | 6.32  | 9.15  | 85.30  |
| 1984           | 4.10  | 5.27  | 4.90  | 1.72  | 3.54  | 7.21  | 3.86  | 9.51  | 3.79  | 2.84  | 2.80  | 2.53  | 52.07  |
| 1985           | 4.83  | 9.28  | 7.07  | 2.11  | 1.16  | 4.56  | 6.92  | 6.37  | 5.74  | 13.20 | 0.96  | 4.78  | 66.98  |
| 1986           | 3.49  | 2.93  | 1.88  | 1.50  | 1.61  | 8.87  | 3.60  | 6.74  | 1.42  | 2.87  | 7.90  | 5.05  | 47.86  |
| 1987           | 8.88  | 7.38  | 4.39  | 2.27  | 3.46  | 15.01 | 6.38  | 5.05  | 1.29  | 0.72  | 2.92  | 2.88  | 60.63  |
| 1988           | 3.74  | 11.31 | 8.90  | 9.25  | 1.68  | 11.28 | 6.78  | 7.53  | 5.86  | 2.87  | 1.26  | 3.94  | 74.40  |
| 1989           | 2.47  | 0.15  | 7.14  | 3.20  | 3.50  | 8.22  | 8.34  | 3.31  | 4.53  | 0.51  | 19.81 | 6.28  | 67.46  |
| 1990           | 7.59  | 11.45 | 5.98  | 4.59  | 5.87  | 1.01  | 2.30  | 2.45  | 4.55  | 2.38  | 3.21  | 9.67  | 61.05  |
| 1991           | 19.25 | 5.42  | 6.27  | 15.29 | 14.28 | 10.71 | 13.15 | 7.86  | 3.44  | 1.88  | 2.19  | 2.63  | 102.37 |
| 1992           | 9.94  | 8.73  | 6.69  | 2.52  | 0.95  | 9.52  | 5.75  | 9.64  | 6.63  | 0.55  | 15.27 | 5.68  | 81.87  |
| 1993           | 6.21  | 2.34  | 5.65  | 6.82  | 7.23  | 4.96  | 5.77  | 2.26  | 2.47  | 3.67  | 2.43  | 2.90  | 52.71  |
| 1994           | 3.25  | 0.54  | 4.82  | 2.83  | 3.67  | 9.35  | 8.95  | 4.59  | 5.61  | 2.30  | 1.39  | 4.61  | 51.91  |
| 1995           | 3.66  | 4.94  | 7.89  | 3.81  | 21.18 | 2.84  | 6.44  | 3.26  | 0.69  | 1.31  | 4.24  | 5.07  | 65.33  |
| 1996           | 4.66  | 1.56  | 2.97  | 3.87  | 1.37  | 8.60  | 10.32 | 8.76  | 3.96  | 2.59  | 3.10  | 5.55  | 57.31  |
| 1997           | 6.32  | 6.88  | 2.57  | 4.91  | 5.03  | 6.97  | 3.94  | 2.25  | 0.81  | 1.36  | 8.09  | 2.55  | 51.68  |
| 1998           | 19.28 | 4.28  | 5.97  | 4.39  | 0.43  | 3.38  | 6.56  | 8.30  | 18.98 | 1.82  | 3.40  | 2.25  | 79.04  |
| 1999           | 3.20  | 0.92  | 4.60  | 0.30  | 3.37  | 12.20 | 4.05  | 5.21  | 2.87  | 5.46  | 0.28  | 3.85  | 46.31  |
| 2000           | 2.25  | 1.81  | 2.41  | 1.13  | 0.07  | 5.46  | 1.38  | 2.35  | 6.50  | 1.10  | 11.72 | 2.70  | 38.88  |
| 2001           | 3.05  | 1.59  | 8.07  | 1.08  | 6.85  | 17.62 | 6.97  | 7.41  | 6.30  | 5.13  | 2.54  | 2.90  | 69.51  |
| 2002           | 3.29  | 2.76  | 3.58  | 2.14  | 3.04  | 4.83  | 4.54  | 4.09  | 14.23 | 10.09 | 5.10  | 4.82  | 62.51  |
| 2003           | 0.19  | 4.56  | 4.46  | 6.19  | 3.04  | 17.37 | 6.41  | 6.19  | 5.68  | 4.12  | 6.13  | 1.94  | 66.28  |
| 2004           | 3.00  | 8.41  | 1.11  | 14.81 | 10.04 | 13.58 | 3.89  | 3.75  | 1.29  | 8.53  | 7.43  | 3.44  | 79.28  |
| 2005           | 4.41  | 8.24  | 4.68  | 3.31  | 2.59  | 2.52  | 10.65 | 8.27  | 4.22  | 0.04  | 0.75  | 3.32  | 53.00  |
| 2006           | 2.95  | 3.16  | 0.63  | 3.78  | 0.28  | 2.78  | 4.86  | 6.70  | 4.72  | 3.24  | 2.75  | 10.03 | 45.88  |
| 2007           | 4.86  | 2.30  | 2.09  | 1.65  | 8.57  | 8.64  | 4.26  | 4.08  | 2.12  | 9.44  | 0.58  | 4.71  | 53.30  |
| 2008           | 3.34  | 2.88  | 2.15  | 6.70  | 7.19  | 4.40  | 3.24  | 7.21  | 11.17 | 1.78  | 1.77  | 2.21  | 54.04  |
| 2009           | 6.40  | 4.39  | 5.07  | 1.33  | 2.63  | 2.13  | 5.73  | 9.50  | 9.22  | 5.97  | 1.02  | 25.92 | 79.31  |
| 2010           | 2.24  | 6.60  | 2.91  | 2.61  | 5.17  | 10.00 | 6.67  | 11.73 | 0.33  | 0.74  | 2.75  | 2.17  | 53.92  |
| 2011           | 4.09  | 1.65  | 10.48 | 0.35  | 0.78  | 4.70  | 13.00 | 1.61  | 13.27 | 0.22  | 3.18  | 1.30  | 54.63  |
| POR=<br>73 YRS | 4.79  | 4.97  | 4.88  | 4.43  | 4.55  | 6.04  | 6.42  | 5.79  | 5.57  | 3.11  | 4.15  | 5.07  | 59.77  |

WBAN : 12916

**AVERAGE TEMPERATURE (°F) 2011 NEW ORLEANS (KMSY)**

| YEAR           | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1982           | 54.5 | 55.0 | 65.9 | 69.8 | 76.5 | 81.5 | 81.4 | 82.2 | 76.8 | 70.4 | 62.5 | 59.4 | 69.7   |
| 1983           | 50.2 | 53.8 | 58.3 | 64.3 | 74.0 | 77.6 | 81.5 | 82.4 | 75.3 | 69.1 | 60.0 | 49.5 | 66.3   |
| 1984           | 46.6 | 53.9 | 59.3 | 67.5 | 73.7 | 77.4 | 78.8 | 79.2 | 76.3 | 73.5 | 58.8 | 62.4 | 67.3   |
| 1985           | 45.2 | 52.3 | 65.3 | 69.0 | 74.7 | 79.3 | 80.2 | 81.6 | 77.0 | 72.6 | 67.3 | 51.0 | 68.0   |
| 1986           | 51.2 | 59.2 | 60.6 | 67.2 | 76.7 | 81.0 | 83.2 | 81.6 | 81.0 | 70.4 | 66.3 | 53.2 | 69.3   |
| 1987           | 50.0 | 56.3 | 60.3 | 66.2 | 76.8 | 79.9 | 82.9 | 83.5 | 78.2 | 64.4 | 61.6 | 59.0 | 68.3   |
| 1988           | 49.4 | 53.2 | 60.9 | 68.4 | 73.3 | 78.5 | 81.6 | 81.4 | 79.8 | 68.0 | 65.6 | 56.0 | 68.0   |
| 1989           | 60.2 | 55.9 | 62.8 | 67.0 | 76.4 | 79.4 | 81.4 | 81.7 | 76.9 | 67.5 | 62.4 | 46.9 | 68.2   |
| 1990           | 57.2 | 61.3 | 63.3 | 67.6 | 76.2 | 82.6 | 82.3 | 83.0 | 79.6 | 68.1 | 62.3 | 59.0 | 70.2   |
| 1991           | 52.8 | 58.2 | 64.2 | 71.2 | 77.5 | 81.3 | 83.5 | 81.7 | 78.2 | 71.6 | 55.9 | 57.6 | 69.5   |
| 1992           | 51.1 | 58.3 | 62.0 | 66.4 | 72.8 | 80.6 | 83.1 | 79.6 | 78.5 | 69.5 | 57.4 | 58.2 | 68.1   |
| 1993           | 57.2 | 54.7 | 58.8 | 64.0 | 71.9 | 80.4 | 83.3 | 83.6 | 79.7 | 69.9 | 58.0 | 52.2 | 67.8   |
| 1994           | 50.0 | 56.9 | 60.8 | 69.6 | 75.1 | 81.4 | 80.8 | 81.3 | 77.8 | 70.8 | 65.3 | 56.5 | 68.9   |
| 1995           | 53.0 | 56.3 | 63.0 | 68.8 | 77.6 | 79.3 | 83.9 | 84.7 | 79.5 | 71.3 | 59.8 | 55.2 | 69.4   |
| 1996           | 52.9 | 55.9 | 58.4 | 67.1 | 78.1 | 80.6 | 82.8 | 81.1 | 79.0 | 70.4 | 63.3 | 57.3 | 68.9   |
| 1997           | 53.8 | 57.1 | 66.4 | 65.4 | 74.5 | 79.6 | 83.4 | 83.6 | 81.1 | 71.3 | 58.6 | 52.8 | 69.0   |
| 1998           | 56.1 | 55.9 | 59.8 | 67.5 | 78.8 | 83.7 | 85.3 | 84.6 | 81.1 | 73.3 | 65.4 | 59.1 | 70.9   |
| 1999           | 57.7 | 61.1 | 61.6 | 73.1 | 76.7 | 81.4 | 82.2 | 85.5 | 78.2 | 70.7 | 62.0 | 55.2 | 70.5   |
| 2000           | 56.4 | 60.6 | 66.0 | 68.9 | 80.1 | 81.7 | 84.6 | 84.4 | 79.3 | 69.8 | 59.9 | 49.6 | 70.1   |
| 2001           | 50.2 | 60.3 | 59.4 | 72.2 | 76.1 | 80.3 | 82.9 | 82.5 | 78.5 | 68.3 | 65.0 | 57.6 | 69.4   |
| 2002           | 54.7 | 51.9 | 62.1 | 72.5 | 76.6 | 80.8 | 83.4 | 82.8 | 80.9 | 74.0 | 59.9 | 54.2 | 69.5   |
| 2003           | 49.1 | 55.4 | 62.6 | 69.6 | 79.7 | 81.2 | 82.6 | 84.0 | 80.6 | 72.4 | 66.3 | 53.7 | 69.8   |
| 2004           | 53.7 | 53.0 | 65.4 | 67.6 | 75.5 | 81.0 | 82.6 | 81.6 | 80.7 | 76.6 | 65.4 | 52.4 | 69.6   |
| 2005           | 57.9 | 59.4 | 60.8 | 68.1 | 75.6 | 82.0 | 83.7 | 84.8 | 83.2 | 71.8 | 64.0 | 53.9 | 70.4   |
| 2006           | 59.3 | 56.7 | 65.8 | 73.5 | 76.9 | 83.8 | 83.1 | 83.5 | 79.2 | 71.6 | 59.9 | 55.1 | 70.7   |
| 2007           | 53.6 | 53.9 | 65.1 | 67.5 | 75.5 | 81.3 | 82.0 | 85.1 | 81.7 | 72.1 | 62.9 | 60.3 | 70.1   |
| 2008           | 53.0 | 59.1 | 62.4 | 69.2 | 76.7 | 82.6 | 83.8 | 82.5 | 78.9 | 70.2 | 61.0 | 59.3 | 69.9   |
| 2009           | 55.4 | 58.7 | 65.4 | 68.9 | 78.2 | 83.3 | 84.1 | 82.8 | 81.0 | 71.8 | 61.0 | 53.4 | 70.3   |
| 2010           | 48.4 | 48.3 | 57.9 | 70.2 | 80.0 | 84.0 | 84.7 | 85.0 | 82.1 | 72.2 | 63.3 | 51.7 | 69.0   |
| 2011           | 51.1 | 56.7 | 66.7 | 74.0 | 77.5 | 85.0 | 84.2 | 87.3 | 78.4 | 69.4 | 64.1 | 57.8 | 71.0   |
| POR=<br>73 YRS | 53.0 | 55.3 | 62.0 | 68.5 | 75.7 | 80.6 | 82.5 | 82.4 | 78.5 | 70.3 | 60.8 | 55.1 | 68.7   |

**HEATING DEGREE DAYS (base 65°F) 2011 NEW ORLEANS (KMSY)**

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982-83 | 0   | 0   | 0   | 31  | 146 | 234 | 453 | 309 | 217 | 81  | 1   | 0   | 1472  |
| 1983-84 | 0   | 0   | 1   | 37  | 183 | 483 | 564 | 321 | 197 | 48  | 2   | 0   | 1836  |
| 1984-85 | 0   | 0   | 2   | 14  | 214 | 146 | 605 | 359 | 62  | 28  | 0   | 0   | 1430  |
| 1985-86 | 0   | 0   | 0   | 12  | 49  | 443 | 421 | 195 | 160 | 28  | 0   | 0   | 1308  |
| 1986-87 | 0   | 0   | 0   | 28  | 85  | 370 | 464 | 242 | 168 | 75  | 0   | 0   | 1432  |
| 1987-88 | 0   | 0   | 0   | 58  | 149 | 222 | 490 | 351 | 166 | 23  | 0   | 0   | 1459  |
| 1988-89 | 0   | 0   | 0   | 12  | 92  | 301 | 186 | 292 | 155 | 60  | 0   | 0   | 1098  |
| 1989-90 | 0   | 0   | 0   | 53  | 142 | 559 | 253 | 136 | 101 | 41  | 0   | 0   | 1285  |
| 1990-91 | 0   | 0   | 0   | 62  | 122 | 244 | 371 | 196 | 105 | 8   | 0   | 0   | 1108  |
| 1991-92 | 0   | 0   | 0   | 22  | 312 | 262 | 426 | 203 | 128 | 54  | 5   | 0   | 1412  |
| 1992-93 | 0   | 0   | 0   | 2   | 240 | 218 | 248 | 285 | 209 | 82  | 0   | 0   | 1284  |
| 1993-94 | 0   | 0   | 0   | 42  | 259 | 399 | 464 | 263 | 177 | 49  | 0   | 0   | 1653  |
| 1994-95 | 0   | 0   | 0   | 16  | 72  | 268 | 375 | 257 | 123 | 33  | 0   | 0   | 1144  |
| 1995-96 | 0   | 0   | 0   | 16  | 186 | 358 | 380 | 307 | 248 | 54  | 1   | 0   | 1550  |
| 1996-97 | 0   | 0   | 0   | 17  | 116 | 253 | 373 | 248 | 58  | 44  | 0   | 0   | 1109  |
| 1997-98 | 0   | 0   | 0   | 38  | 202 | 383 | 273 | 251 | 210 | 25  | 0   | 0   | 1382  |
| 1998-99 | 0   | 0   | 0   | 2   | 48  | 243 | 263 | 150 | 118 | 21  | 0   | 0   | 845   |
| 1999-00 | 0   | 0   | 0   | 23  | 112 | 318 | 295 | 181 | 63  | 33  | 0   | 0   | 1025  |
| 2000-01 | 0   | 0   | 4   | 34  | 227 | 469 | 453 | 181 | 184 | 16  | 0   | 0   | 1568  |
| 2001-02 | 0   | 0   | 0   | 44  | 60  | 249 | 356 | 365 | 184 | 13  | 0   | 0   | 1271  |
| 2002-03 | 0   | 0   | 0   | 1   | 186 | 336 | 487 | 265 | 97  | 39  | 0   | 0   | 1411  |
| 2003-04 | 0   | 0   | 0   | 3   | 89  | 345 | 360 | 344 | 61  | 39  | 3   | 0   | 1244  |
| 2004-05 | 0   | 0   | 0   | 2   | 71  | 397 | 249 | 174 | 164 | 11  | 0   | 0   | 1068  |
| 2005-06 | 0   | 0   | 0   | 47  | 116 | 350 | 190 | 245 | 74  | 0   | 0   | 0   | 1022  |
| 2006-07 | 0   | 0   | 0   | 22  | 175 | 310 | 358 | 311 | 91  | 63  | 0   | 0   | 1330  |
| 2007-08 | 0   | 0   | 0   | 29  | 122 | 207 | 384 | 193 | 143 | 32  | 0   | 0   | 1110  |
| 2008-09 | 0   | 0   | 0   | 36  | 144 | 242 | 322 | 198 | 78  | 36  | 0   | 0   | 1056  |
| 2009-10 | 0   | 0   | 0   | 39  | 134 | 357 | 513 | 461 | 223 | 0   | 0   | 0   | 1727  |
| 2010-11 | 0   | 0   | 0   | 2   | 116 | 415 | 423 | 294 | 50  | 9   | 0   | 0   | 1309  |
| 2011-   | 0   | 0   | 0   | 28  | 123 | 251 |     |     |     |     |     |     |       |

WBAN : 12916

**COOLING DEGREE DAYS (base 65°F) 2011 NEW ORLEANS (KMSY)**

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1982 | 49  | 6   | 160 | 182 | 366 | 504 | 517 | 541 | 363 | 208 | 78  | 66  | 3040  |
| 1983 | 0   | 0   | 16  | 67  | 286 | 385 | 518 | 545 | 317 | 171 | 42  | 10  | 2357  |
| 1984 | 0   | 6   | 31  | 130 | 281 | 379 | 436 | 448 | 351 | 286 | 33  | 71  | 2452  |
| 1985 | 0   | 10  | 78  | 154 | 308 | 437 | 480 | 521 | 366 | 251 | 124 | 13  | 2742  |
| 1986 | 0   | 40  | 32  | 99  | 370 | 487 | 573 | 524 | 488 | 203 | 127 | 9   | 2952  |
| 1987 | 3   | 4   | 30  | 120 | 373 | 456 | 562 | 580 | 402 | 48  | 53  | 42  | 2673  |
| 1988 | 14  | 15  | 49  | 131 | 263 | 411 | 523 | 513 | 448 | 113 | 118 | 30  | 2628  |
| 1989 | 46  | 43  | 95  | 124 | 363 | 439 | 515 | 525 | 365 | 137 | 70  | 6   | 2728  |
| 1990 | 17  | 40  | 56  | 127 | 353 | 538 | 545 | 567 | 448 | 166 | 50  | 62  | 2969  |
| 1991 | 2   | 12  | 88  | 202 | 396 | 496 | 580 | 524 | 402 | 233 | 47  | 40  | 3022  |
| 1992 | 0   | 18  | 41  | 103 | 258 | 472 | 568 | 459 | 408 | 149 | 20  | 14  | 2510  |
| 1993 | 13  | 4   | 26  | 61  | 222 | 468 | 572 | 585 | 447 | 200 | 57  | 8   | 2663  |
| 1994 | 4   | 40  | 54  | 191 | 320 | 501 | 495 | 513 | 390 | 204 | 94  | 12  | 2818  |
| 1995 | 10  | 20  | 67  | 155 | 399 | 434 | 594 | 615 | 444 | 216 | 39  | 59  | 3052  |
| 1996 | 13  | 50  | 47  | 124 | 412 | 473 | 558 | 507 | 427 | 189 | 70  | 21  | 2891  |
| 1997 | 34  | 31  | 107 | 67  | 301 | 445 | 576 | 583 | 489 | 238 | 19  | 9   | 2899  |
| 1998 | 4   | 1   | 59  | 108 | 435 | 568 | 635 | 613 | 489 | 267 | 68  | 70  | 3317  |
| 1999 | 41  | 48  | 20  | 273 | 369 | 497 | 543 | 643 | 403 | 209 | 29  | 23  | 3098  |
| 2000 | 35  | 58  | 103 | 159 | 477 | 506 | 616 | 610 | 439 | 192 | 79  | 0   | 3274  |
| 2001 | 0   | 56  | 19  | 239 | 353 | 469 | 564 | 550 | 410 | 153 | 69  | 29  | 2911  |
| 2002 | 45  | 4   | 100 | 248 | 368 | 482 | 577 | 559 | 483 | 289 | 40  | 7   | 3202  |
| 2003 | 2   | 6   | 29  | 184 | 463 | 493 | 551 | 594 | 473 | 237 | 135 | 2   | 3169  |
| 2004 | 19  | 3   | 80  | 127 | 337 | 490 | 553 | 524 | 479 | 368 | 91  | 15  | 3086  |
| 2005 | 33  | 21  | 43  | 108 | 334 | 517 | 586 | 620 | 551 | 263 | 94  | 14  | 3184  |
| 2006 | 21  | 20  | 105 | 262 | 375 | 568 | 566 | 583 | 431 | 235 | 32  | 7   | 3205  |
| 2007 | 12  | 5   | 96  | 145 | 337 | 496 | 534 | 630 | 510 | 258 | 65  | 68  | 3156  |
| 2008 | 19  | 29  | 67  | 164 | 367 | 537 | 591 | 551 | 422 | 204 | 32  | 72  | 3055  |
| 2009 | 30  | 29  | 98  | 159 | 415 | 557 | 601 | 555 | 487 | 258 | 21  | 7   | 3217  |
| 2010 | 6   | 0   | 10  | 161 | 471 | 581 | 614 | 627 | 518 | 234 | 71  | 9   | 3302  |
| 2011 | 0   | 70  | 109 | 285 | 396 | 608 | 603 | 701 | 410 | 174 | 100 | 37  | 3493  |

**SNOWFALL (inches) 2011 NEW ORLEANS (KMSY)**

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1976-77        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1977-78        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1978-79        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1979-80        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1980-81        | 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   |
| 1981-82        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1982-83        | 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   |
| 1983-84        | 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   |
| 1984-85        | 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   |
| 1985-86        | 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   |
| 1986-87        | 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   |
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | T     |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.5   |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | T     |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T   |     |     |       |
| 1996-97        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1997-98        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1998-99        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1999-00        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2000-01        |     |     |     |     |     |     | T   |     |     |     |     |     |       |
| 2001-02        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2002-03        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2003-04        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2004-05        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2005-          |     |     |     |     |     |     |     |     |     |     |     |     |       |
| POR=<br>49 YRS | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | T   | 0.1 | T   | T   | T   | 0.0 | 0.2   |

WBAN : 12916

**REFERENCE NOTES :**

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| <p>PAGE 1:<br/>THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3:<br/>H/C INDICATES HEATING AND COOLING DEGREE DAYS.<br/>RH INDICATES RELATIVE HUMIDITY<br/>W/O INDICATES WEATHER AND OBSTRUCTIONS<br/>S INDICATES SUNSHINE.<br/>PR INDICATES PRESSURE.<br/>CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL:<br/>T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.<br/>+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.<br/>BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.<br/>NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).<br/>ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.<br/>PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.<br/>POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.<br/>WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.<br/>0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.<br/>CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.<br/>THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.<br/>CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.<br/>WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.</p> | <p>GENERAL CONTINUED:<br/>WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.<br/>RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.<br/>AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.<br/>SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.<br/>A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65 F.<br/>DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.<br/>DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.<br/>WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.<br/>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.<br/>STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: <a href="https://mi3.ncdc.noaa.gov/mi3qry/login.cfm">https://mi3.ncdc.noaa.gov/mi3qry/login.cfm</a><br/>SNOWFALL STOPPED MONTH &amp; YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p><b>NOTE:</b><br/>The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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# 2011 NEW ORLEANS LOUISIANA (KMSY)

The New Orleans metropolitan area is virtually surrounded by water. Lake Pontchartrain, some 610 square miles in area, borders the city on the north and is connected to the Gulf of Mexico through Lake Borgne on the east. In other directions there are bayous, lakes, and marshy delta land. The proximity of the Gulf of Mexico also has a great influence on the climate. Elevations in the city vary from a few feet below to a few feet above mean sea level. A massive levee system surrounding the city and along the Mississippi River offers protection against flooding from the river and tidal surges. The New Orleans International Airport is located 12 miles west of downtown New Orleans, between the Mississippi River and Lake Pontchartrain.

The climate of the city can best be described as humid with the surrounding water modifying the temperature and decreasing the range between the extremes. Almost daily sporadic afternoon thunderstorms from mid-June through September keep the temperature from rising much above 90 degrees. From about mid-November to mid-March, the area is subjected alternately to the southerly flow of warm tropical air and to the northerly flow of cold continental air in periods of varying lengths. The usual track of winter storms is to the north of New Orleans, but occasionally one moves this far south, bringing large and rather sudden drops in temperature. However, the cold spells seldom last over three or four days. The lowest temperatures observed are below 10 degrees. In about two-thirds of the years, the lowest temperature is about 24 degrees or warmer. The lowest temperatures in some years are entirely above freezing.

During the winter and spring, the cold Mississippi River water enhances the formation of river fogs, particularly when light southerly winds bring warm, moist air into the area from the Gulf of Mexico. The nearby lakes and marshes also contribute to fog formation. Even so, the fog usually does not seriously affect automobile traffic except for brief periods. However, air travel will be suspended for several hours and river traffic, at times, will be unable to move between New Orleans and the Gulf for several days.

Rather frequent and sometimes very heavy rains are typical for this area. There are an average of 120 days of measurable rain per year and an annual average accumulation of over 60 inches. A fairly definite rainy period occurs from mid-December to mid-March. Precipitation during this period is most likely to be steady rain for two to three day periods. April, May, October, and November are generally dry, but there have been some extremely heavy showers in those months. The greatest 24-hour amounts have exceeded 14 inches. Snowfall is rather infrequent and light. However, on rare occasions, snowstorms have produced accumulations over 8 inches.

While thunder occurs with most of the showers in the area, thunderstorms with damaging winds are infrequent. Hail of a damaging nature seldom occurs, and tornadoes are extremely rare. However, waterspouts are observed quite often on nearby lakes. Hurricanes have effected the area.

The lower Mississippi River floods result from runoff upstream. If the water level in the river becomes dangerously high, the spillways upriver can be opened to divert the floodwaters. Rainfall in the New Orleans area is pumped into the surrounding lakes and bayous. Local street and minor urban flooding of short duration result from occasional downpours.

Air pollution is not a serious problem. The area is not highly industrialized, and long periods of air stagnation are rare.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is December 5 and the average last occurrence in the spring is February 20.

# Station History

NEW ORLEANS, LA

| NAME                   | Begin Date | End Date   | Latitude | Longitude | Elevation Feet | Relocation | Platform      |
|------------------------|------------|------------|----------|-----------|----------------|------------|---------------|
| NEW ORLEANS MENEFEE AP | 1932-03-01 | 1934-03-30 | 29° 57'  | -89° 59'  | 5              |            | AIRWAYS       |
| NEW ORLEANS INTL AP    | 1996-05-01 | 2004-04-01 | 29° 59'  | -90° 15'  | 4              |            | ASOS, COOP    |
| NEW ORLEANS INTL AP    | 1969-05-13 | 1981-12-31 | 29° 58'  | -90° 15'  | 4              |            | COOP, WXSVC   |
| NEW ORLEANS AP         | 1945-10-01 | 1946-05-01 | 30° 2'   | -90° 1'   | 6              |            | AIRWAYS, COOP |
| NEW ORLEANS INTL AP    | 1946-05-01 | 1959-12-23 | 29° 59'  | -90° 15'  | 3              |            | AIRWAYS, COOP |
| NEW ORLEANS AP         | 1934-03-30 | 1945-10-01 | 30° 2'   | -90° 1'   | 6              |            | AIRWAYS       |
| NEW ORLEANS INTL AP    | 1981-12-31 | 1996-05-01 | 29° 58'  | -90° 15'  | 4              |            | COOP          |
| NEW ORLEANS INTL AP    | 1959-12-23 | 1969-01-01 | 29° 58'  | -90° 15'  | 3              |            | AIRWAYS, COOP |
| NEW ORLEANS INTL AP    | 2004-04-01 | Present    | 29° 59'  | -90° 15'  | 4              |            | ASOS, COOP    |
| NEW ORLEANS INTL AP    | 1969-01-01 | 1969-05-13 | 29° 58'  | -90° 15'  | 3              |            | COOP, WXSVC   |

# Element History

| Element | Begin Date | End Date   | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| PRECIP  | 1976-02-01 | 1995-07-01 | HOURLY    | 2400                |             |                           |                    |
| PRECIP  | 1976-02-01 | 1995-07-01 | DAILY     | 2400                | UNIV        | RCRD                      | ROOF               |
| TEMP    | 1946-05-01 | 1976-02-01 | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1996-05-01 | Present    | DAILY     | 2400                | TB          | RCRD                      |                    |
| PRECIP  | 1995-07-01 | 1996-05-01 | DAILY     | 2400                | UNIV        | RCRD                      | ROOF               |
| PRECIP  | 1995-07-01 | 1996-05-01 | HOURLY    | 2400                | UNIV        | RCRD                      | ROOF               |
| TEMP    | 1976-02-01 | 1995-07-01 | DAILY     | 2400                | HYGR        |                           |                    |
| TEMP    | 1996-05-01 | Present    | DAILY     | 2400                | HYGR        |                           |                    |
| PRECIP  | 1946-05-01 | 1976-02-01 | DAILY     | 2400                | UNIV        | RCRD                      | ROOF               |
| PRECIP  | 1996-05-01 | Present    | HOURLY    | 2400                | TB          | RCRD                      |                    |
| TEMP    | 1995-07-01 | 1996-05-01 | DAILY     | 2400                | HYGR        |                           |                    |

\* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : [ncdc.info@noaa.gov](mailto:ncdc.info@noaa.gov)

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov)