

2001

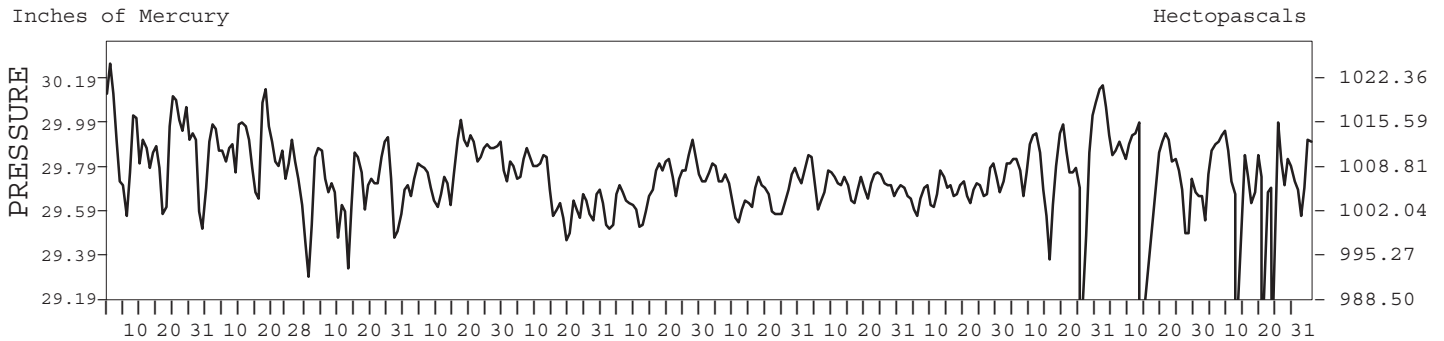
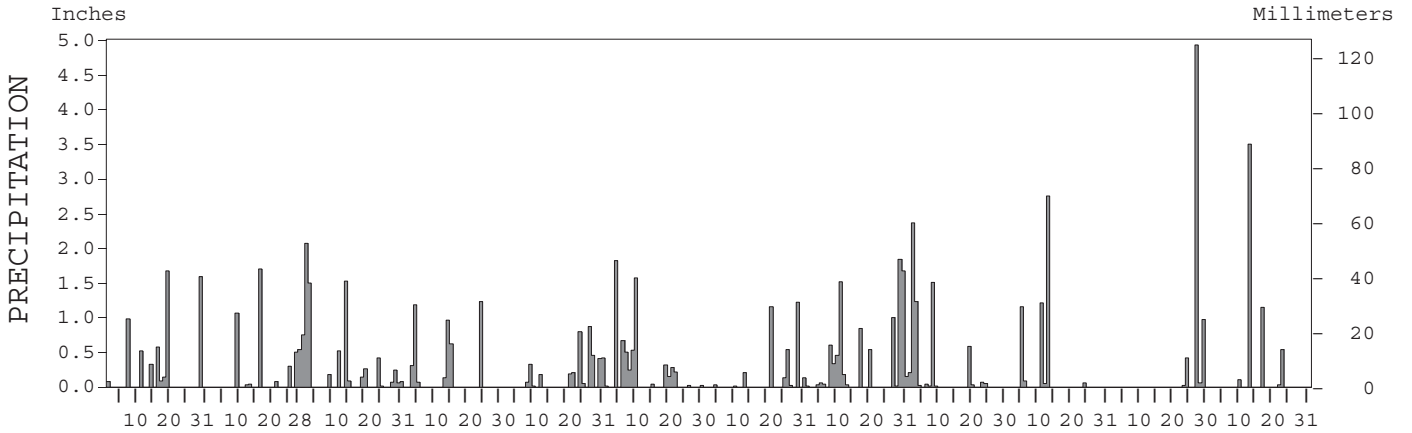
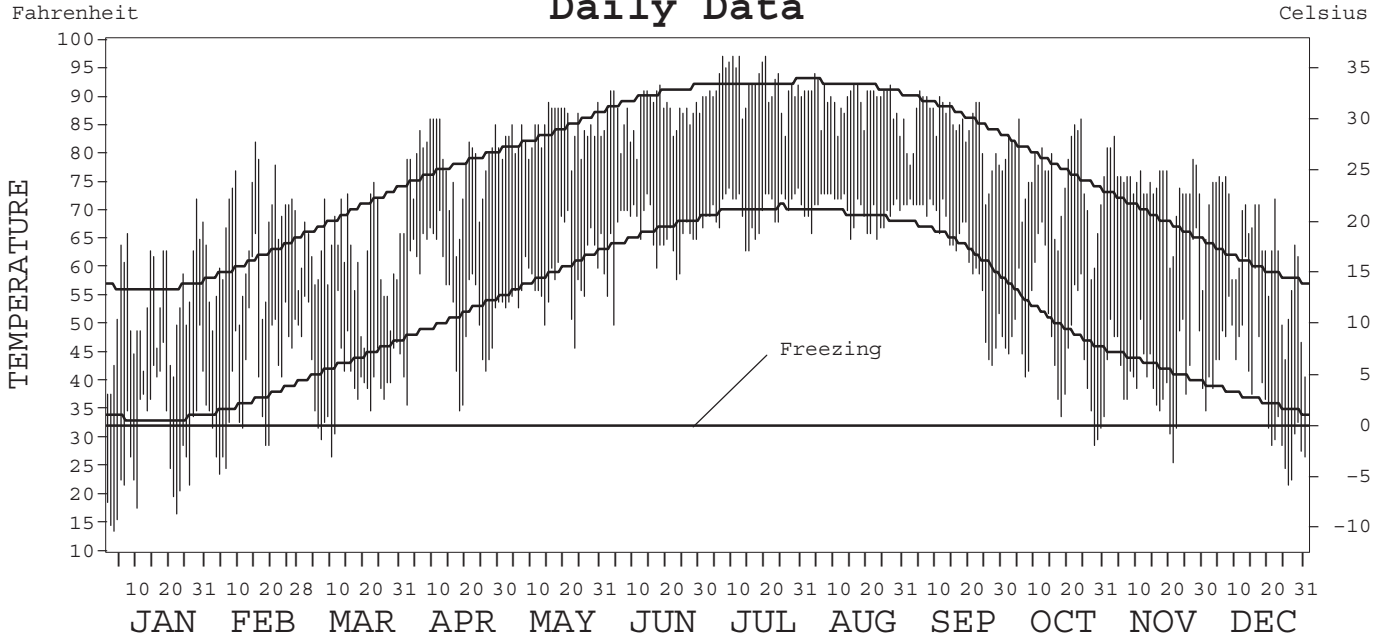
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2818

MERIDIAN,  
MISSISSIPPI (MEI)

Daily Data



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*Thomas R. Karl*

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|---|---|---|---|

# METEOROLOGICAL DATA FOR 2001

## MERIDIAN, MS (MEI)

LATITUDE: 32° 19' 59" N      LONGITUDE: 88° 45' 04" W      ELEVATION (FT.): GRND: 289      BARO: 292      TIME ZONE: CENTRAL (UTC + 6)      WBAN: 13865

| ELEMENT                  |                               | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT  | NOV  | DEC    | YEAR    |    |
|--------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|---------|----|
| TEMPERATURE °F           | MEAN DAILY MAXIMUM            | 54.2  | 65.2  | 62.1  | 77.7  | 84.0  | 87.2  | 92.0  | 89.3  | 83.9  | 75.4 | 73.9 | 63.6   | 75.7    |    |
|                          | HIGHEST DAILY MAXIMUM         | 72    | 82    | 75    | 86    | 89    | 92    | 97    | 94    | 91    | 86   | 83   | 76     | 97      |    |
|                          | DATE OF OCCURRENCE            | 28    | 15    | 23    | 12+   | 30+   | 18    | 20+   | 04    | 05    | 24+  | 03   | 05     | JUL 20+ |    |
|                          | MEAN DAILY MINIMUM            | 29.8  | 41.1  | 41.0  | 54.1  | 58.3  | 65.3  | 70.0  | 69.9  | 62.8  | 47.0 | 43.0 | 39.3   | 51.8    |    |
|                          | LOWEST DAILY MINIMUM          | 14    | 24    | 27    | 35    | 46    | 50    | 63    | 65    | 43    | 29   | 26   | 22     | 14      |    |
|                          | DATE OF OCCURRENCE            | 03    | 04    | 10    | 18    | 23    | 04    | 15+   | 23+   | 27    | 28   | 21   | 26     | JAN 03  |    |
|                          | AVERAGE DRY BULB              | 42.0  | 53.2  | 51.6  | 65.9  | 71.2  | 76.3  | 81.0  | 79.6  | 73.4  | 61.2 | 58.5 | 51.5   | 63.8    |    |
|                          | MEAN WET BULB                 | 38.1  | 48.9  | 47.1  | 60.9  | 65.1  | 71.4  | 75.0  | 74.2  | 68.5  | 55.9 |      |        |         |    |
|                          | MEAN DEW POINT                | 33.6  | 44.6  | 42.2  | 57.1  | 61.9  | 69.4  | 72.8  | 72.6  | 66.4  | 52.3 |      |        |         |    |
|                          | NUMBER OF DAYS WITH:          |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | MAXIMUM ≥ 90°                 | 0     | 0     | 0     | 0     | 0     | 8     | 26    | 19    | 4     | 0    | 0    | 0      | 0       | 57 |
|                          | MAXIMUM ≤ 32°                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0      | 0       | 0  |
| MINIMUM ≤ 32°            | 16                            | 8     | 4     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 3    | 10   | 44     |         |    |
| MINIMUM ≤ 0°             | 0                             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    | 0      |         |    |
| H/C                      | HEATING DEGREE DAYS           | 704   | 337   | 411   | 82    | 1     | 0     | 0     | 21    | 170   | 208  | 416  | 2350   |         |    |
|                          | COOLING DEGREE DAYS           | 0     | 13    | 0     | 117   | 200   | 346   | 504   | 462   | 61    | 17   | 3    | 2003   |         |    |
| RH                       | MEAN (PERCENT)                | 78    | 78    | 75    | 77    | 78    | 83    | 82    | 86    | 85    | 79   | 80   | 82     | 80      |    |
|                          | HOUR 00 LST                   | 90    | 88    | 86    | 93    | 96    | 97    | 98    | 98    | 97    | 96   | 96   | 94     | 94      |    |
|                          | HOUR 06 LST                   | 92    | 93    | 89    | 96    | 98    | 99    | 99    | 98    | 98    | 96   | 96   | 96     | 96      |    |
|                          | HOUR 12 LST                   | 62    | 60    | 62    | 59    | 51    | 62    | 61    | 67    | 64    | 51   | 53   | 62     | 60      |    |
|                          | HOUR 18 LST                   | 70    | 69    | 62    | 61    | 62    | 74    | 69    | 80    | 82    | 83   | 83   | 81     | 73      |    |
| S                        | PERCENT POSSIBLE SUNSHINE     |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
| W/O                      | NUMBER OF DAYS WITH:          |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | HEAVY FOG (VISBY ≤ 1/4 MI)    | 5     | 3     | 0     | 2     | 3     | 1     | 2     | 6     | 5     | 3    | 7    | 7      | 44      |    |
|                          | THUNDERSTORMS                 | 1     | 4     | 6     | 5     | 9     | 9     | 7     | 12    | 5     | 2    | 4    | 2      | 66      |    |
| 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.)     | 29.88 | 29.88 | 29.67 | 29.80 | 29.69 | 29.70 | 29.69 | 29.71 | 29.69 |      |      |        |         |    |
|                          | MEAN SEA-LEVEL PRESS. (IN.)   | 30.20 | 30.19 | 30.00 | 30.13 | 30.02 | 30.02 | 30.01 | 30.04 | 30.02 |      |      |        |         |    |
| WINDS                    | RESULTANT SPEED (MPH)         | 1.3   | 0.4   | 2.9   | 3.0   | 2.1   | 0.4   | 0.8   | 1.0   | 1.2   | 1.1  |      |        |         |    |
|                          | RES. DIR. (TENS OF DEGS.)     | 33    | 14    | 36    | 20    | 23    | 19    | 18    | 23    | 03    | 10   |      |        |         |    |
|                          | MEAN SPEED (MPH)              | 5.9   | 7.1   | 6.8   | 7.2   | 4.7   | 4.7   | 4.1   | 4.1   | 4.6   | 5.3  |      | 5.5    |         |    |
|                          | PREVAIL. DIR. (TENS OF DEGS.) | 33    | 20    | 36    | 19    | 20    | 19    | 20    | 19    | 36    | 36   | 36   | 01     | 20      |    |
|                          | MAXIMUM 2-MINUTE WIND:        |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | SPEED (MPH)                   | 28    | 32    | 25    | 32    | 28    | 29    | 35    | 33    | 21    | 30   | 37   | 25     | 37      |    |
|                          | DIR. (TENS OF DEGS.)          | 30    | 21    | 26    | 21    | 24    | 12    | 07    | 32    | 29    | 20   | 19   | 30     | 19      |    |
|                          | DATE OF OCCURRENCE            | 29    | 09    | 04+   | 05    | 28    | 19    | 05    | 20    | 19    | 23   | 29   | 17     | NOV 29  |    |
|                          | MAXIMUM 5-SECOND WIND:        |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | SPEED (MPH)                   | 37    | 37    | 32    | 36    | 38    | 36    | 41    | 40    | 29    | 38   | 45   | 30     | 45      |    |
| DIR. (TENS OF DEGS.)     | 30                            | 18    | 29    | 21    | 26    | 14    | 08    | 30    | 01    | 29    | 19   | 29   | 19     |         |    |
| DATE OF OCCURRENCE       | 29                            | 16    | 04    | 05+   | 28    | 19    | 05    | 20    | 24    | 24    | 29   | 17   | NOV 29 |         |    |
| PRECIPITATION            | WATER EQUIVALENT:             |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | TOTAL (IN.)                   | 5.98  | 4.26  | 7.92  | 4.51  | 4.00  | 6.39  | 3.45  | 9.32  | 6.14  | 5.32 | 6.40 | 5.33   | 69.02   |    |
|                          | GREATEST 24-HOUR (IN.)        | 1.72  | 1.70  | 2.54  | 1.55  | 0.87  | 1.82  | 1.22  | 1.84  | 2.37  | 2.75 | 4.93 | 3.50   | 4.93    |    |
|                          | DATE OF OCCURRENCE            | 18-19 | 16    | 01-02 | 14-15 | 27    | 04    | 29    | 29    | 02    | 13   | 27   | 13     | NOV 27  |    |
|                          | NUMBER OF DAYS WITH:          |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | PRECIPITATION ≥ 0.01          | 9     | 8     | 15    | 7     | 12    | 14    | 9     | 17    | 12    | 6    | 5    | 5      | 119     |    |
| PRECIPITATION ≥ 0.10     | 7                             | 5     | 10    | 6     | 9     | 10    | 6     | 11    | 5     | 3     | 3    | 4    | 79     |         |    |
| PRECIPITATION ≥ 1.00     | 2                             | 2     | 3     | 2     | 0     | 2     | 2     | 4     | 3     | 3     | 1    | 2    | 26     |         |    |
| SNOWFALL                 | SNOW, ICE PELLETS, HAIL:      |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | TOTAL (IN.)                   |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | GREATEST 24-HOUR (IN.)        |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | DATE OF OCCURRENCE            |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | MAXIMUM SNOW DEPTH (IN.)      |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
|                          | DATE OF OCCURRENCE            |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
| NUMBER OF DAYS WITH:     |                               |       |       |       |       |       |       |       |       |       |      |      |        |         |    |
| SNOWFALL ≥ 1.0           |                               |       |       |       |       |       |       |       |       |       |      |      |        |         |    |

# NORMALS, MEANS, AND EXTREMES

## MERIDIAN, MS (MEI)

LATITUDE: 32° 19' 59" N      LONGITUDE: 88° 45' 04" W      ELEVATION (FT): GRND: 289      BARO: 292      TIME ZONE: CENTRAL (UTC + 6)      WBAN: 13865

| ELEMENT               |                             | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F        | NORMAL DAILY MAXIMUM        | 30   | 56.4  | 61.2  | 69.6  | 77.4  | 83.6  | 90.0  | 92.1  | 91.8  | 86.9  | 77.7  | 68.6  | 60.1     | 76.3     |
|                       | MEAN DAILY MAXIMUM          | 54   | 57.2  | 62.1  | 69.1  | 77.2  | 84.2  | 90.2  | 92.6  | 92.1  | 86.9  | 78.0  | 67.9  | 59.9     | 76.5     |
|                       | HIGHEST DAILY MAXIMUM       | 56   | 83    | 85    | 90    | 95    | 99    | 104   | 107   | 106   | 105   | 97    | 87    | 84       | 107      |
|                       | YEAR OF OCCURRENCE          |      | 1950  | 1982  | 1974  | 1987  | 1951  | 1988  | 1980  | 2000  | 1990  | 1954  | 1946  | 1998     | JUL 1980 |
|                       | MEAN OF EXTREME MAXS.       | 54   | 74.6  | 78.5  | 83.5  | 87.7  | 92.4  | 96.7  | 98.5  | 97.6  | 95.1  | 88.9  | 81.9  | 76.4     | 87.6     |
|                       | NORMAL DAILY MINIMUM        | 30   | 33.4  | 36.6  | 43.5  | 50.9  | 58.9  | 66.1  | 69.9  | 69.2  | 63.9  | 50.5  | 42.4  | 36.6     | 51.8     |
|                       | MEAN DAILY MINIMUM          | 54   | 34.6  | 37.7  | 43.6  | 51.2  | 59.6  | 66.7  | 70.2  | 69.4  | 63.9  | 50.8  | 41.6  | 36.7     | 52.2     |
|                       | LOWEST DAILY MINIMUM        | 56   | 0     | 8     | 15    | 28    | 38    | 42    | 55    | 53    | 34    | 24    | 16    | 2        | 0        |
|                       | YEAR OF OCCURRENCE          |      | 1962  | 1996  | 1980  | 1987  | 1971  | 1984  | 1967  | 1952  | 1967  | 1952  | 1976  | 1989     | JAN 1962 |
|                       | MEAN OF EXTREME MINS.       | 54   | 16.8  | 20.4  | 26.9  | 34.6  | 44.8  | 55.2  | 63.6  | 61.4  | 49.2  | 33.8  | 25.4  | 19.3     | 37.6     |
|                       | NORMAL DRY BULB             | 30   | 45.0  | 48.9  | 56.6  | 64.1  | 71.3  | 78.1  | 81.0  | 80.6  | 75.4  | 64.1  | 55.5  | 48.4     | 64.1     |
|                       | MEAN DRY BULB               | 54   | 45.9  | 49.9  | 56.4  | 64.2  | 71.9  | 78.5  | 81.3  | 80.8  | 75.6  | 64.4  | 54.8  | 48.3     | 64.3     |
|                       | MEAN WET BULB               | 16   | 41.4  | 46.1  | 50.8  | 57.4  | 65.4  | 71.1  | 73.9  | 73.3  | 68.2  | 58.4  | 50.5  | 41.4     | 58.2     |
|                       | MEAN DEW POINT              | 16   | 36.3  | 40.6  | 44.9  | 52.6  | 61.5  | 68.1  | 71.3  | 70.3  | 64.8  | 54.4  | 46.1  | 37.1     | 54.0     |
|                       | NORMAL NO. DAYS WITH:       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | MAXIMUM ≥ 90°               | 30   | 0.0   | 0.0   | *     | 0.3   | 4.8   | 16.3  | 23.6  | 22.7  | 11.9  | 1.2   | 0.0   | 0.0      | 80.8     |
| MAXIMUM ≤ 32°         | 30                          | 0.6  | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 1.0      |          |
| MINIMUM ≤ 32°         | 30                          | 16.7 | 11.9  | 5.1   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.7   | 6.0   | 13.4  | 54.3     |          |
| 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      |          |
| H/C                   | NORMAL HEATING DEG. DAYS    | 30   | 628   | 456   | 292   | 99    | 14    | 0     | 0     | 0     | 6     | 123   | 301   | 525      | 2444     |
|                       | NORMAL COOLING DEG. DAYS    | 30   | 8     | 5     | 31    | 72    | 210   | 393   | 496   | 484   | 318   | 95    | 16    | 10       | 2138     |
| RH                    | NORMAL (PERCENT)            | 30   | 74    | 71    | 69    | 70    | 73    | 74    | 77    | 77    | 76    | 75    | 75    | 75       | 74       |
|                       | HOUR 00 LST                 | 30   | 83    | 82    | 82    | 86    | 89    | 89    | 91    | 91    | 89    | 89    | 87    | 83       | 87       |
|                       | HOUR 06 LST                 | 30   | 86    | 85    | 88    | 90    | 91    | 91    | 92    | 93    | 92    | 91    | 88    | 86       | 89       |
|                       | HOUR 12 LST                 | 30   | 60    | 56    | 53    | 51    | 54    | 55    | 58    | 57    | 56    | 51    | 54    | 59       | 55       |
|                       | HOUR 18 LST                 | 30   | 68    | 60    | 55    | 55    | 59    | 61    | 66    | 67    | 70    | 74    | 73    | 72       | 65       |
| S                     | PERCENT POSSIBLE SUNSHINE   |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| W/O                   | MEAN NO. DAYS WITH:         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | HEAVY FOG (VISBY ≤ 1/4 MI)  | 56   | 3.0   | 2.5   | 2.2   | 2.6   | 2.2   | 1.5   | 1.8   | 1.9   | 1.9   | 2.6   | 3.4   | 3.0      | 28.6     |
|                       | THUNDERSTORMS               | 56   | 1.9   | 2.7   | 4.8   | 5.5   | 6.2   | 7.5   | 11.3  | 8.1   | 3.7   | 1.6   | 2.3   | 1.9      | 57.5     |
| CLOUDINESS            | MEAN:                       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | SUNRISE-SUNSET (OKTAS)      | 50   | 5.4   | 5.1   | 5.0   | 4.6   | 4.6   | 4.5   | 4.8   | 4.2   | 4.3   | 3.6   | 4.4   | 4.9      | 4.6      |
|                       | MIDNIGHT-MIDNIGHT (OKTAS)   | 31   | 4.9   | 4.7   | 4.7   | 4.2   | 4.3   | 4.0   | 4.3   | 3.9   | 3.9   | 3.4   | 4.1   | 4.7      | 4.3      |
|                       | MEAN NO. DAYS WITH:         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | CLEAR                       | 50   | 7.4   | 7.4   | 8.3   | 9.2   | 8.5   | 8.0   | 5.7   | 9.5   | 10.5  | 14.2  | 10.2  | 8.7      | 107.6    |
| PARTLY CLOUDY         | 50                          | 6.5  | 6.3   | 7.4   | 8.1   | 10.6  | 12.8  | 15.3  | 13.0  | 9.1   | 7.2   | 7.1   | 6.7   | 110.1    |          |
| CLOUDY                | 50                          | 17.1 | 14.5  | 15.4  | 12.7  | 11.9  | 9.2   | 10.0  | 8.6   | 10.8  | 9.7   | 12.7  | 15.6  | 148.2    |          |
| PR                    | MEAN STATION PRESSURE (IN)  | 27   | 29.83 | 29.78 | 29.71 | 29.70 | 29.66 | 29.68 | 29.71 | 29.71 | 29.71 | 29.77 | 29.80 | 29.83    | 29.74    |
|                       | MEAN SEA-LEVEL PRES. (IN)   | 15   | 30.16 | 30.12 | 30.06 | 30.03 | 30.00 | 30.01 | 30.04 | 30.02 | 30.03 | 30.10 | 30.12 | 30.17    | 30.07    |
| WINDS                 | MEAN SPEED (MPH)            | 35   | 7.1   | 7.6   | 7.9   | 7.2   | 6.0   | 5.2   | 5.0   | 4.7   | 5.4   | 5.4   | 6.4   | 7.1      | 6.2      |
|                       | PREVAIL. DIR (TENS OF DEGS) | 27   | 36    | 18    | 18    | 18    | 18    | 20    | 18    | 19    | 36    | 36    | 36    | 18       | 18       |
|                       | MAXIMUM 2-MINUTE:           |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | SPEED (MPH)                 | 6    | 37    | 33    | 39    | 48    | 31    | 36    | 35    | 38    | 31    | 30    | 37    | 31       | 48       |
|                       | DIR. (TENS OF DEGS)         |      | 19    | 18    | 18    | 19    | 22    | 31    | 07    | 34    | 02    | 20    | 19    | 23       | 19       |
|                       | YEAR OF OCCURRENCE          |      | 1996  | 1998  | 1996  | 1996  | 1998  | 1998  | 2001  | 2000  | 1998  | 2001  | 2001  | 1996     | APR 1996 |
|                       | MAXIMUM 5-SECOND:           |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| SPEED (MPH)           | 6                           | 46   | 43    | 52    | 57    | 38    | 52    | 41    | 52    | 40    | 38    | 45    | 41    | 57       |          |
| DIR. (TENS OF DEGS)   |                             | 26   | 09    | 25    | 18    | 26    | 03    | 08    | 09    | 06    | 29    | 19    | 20    | 18       |          |
| YEAR OF OCCURRENCE    |                             | 1996 | 1998  | 2000  | 1996  | 2001  | 1997  | 2001  | 1998  | 1998  | 2001  | 2001  | 1996  | APR 1996 |          |
| PRECIPITATION         | NORMAL (IN)                 | 30   | 5.15  | 5.43  | 6.75  | 5.46  | 4.42  | 3.63  | 5.15  | 3.58  | 3.52  | 3.06  | 4.49  | 6.07     | 56.71    |
|                       | MAXIMUM MONTHLY (IN)        | 56   | 13.19 | 15.95 | 16.47 | 16.82 | 9.79  | 8.91  | 15.29 | 10.28 | 10.24 | 10.65 | 13.93 | 14.79    | 16.82    |
|                       | YEAR OF OCCURRENCE          |      | 1998  | 1990  | 1976  | 1964  | 1980  | 1989  | 1959  | 1992  | 1957  | 1970  | 1948  | 1973     | APR 1964 |
|                       | MINIMUM MONTHLY (IN)        | 56   | 1.21  | 1.46  | 1.27  | 0.97  | 0.27  | 0.71  | 1.06  | 0.72  | 0.10  | 0.00  | 0.38  | 1.10     | 0.00     |
|                       | YEAR OF OCCURRENCE          |      | 1986  | 2000  | 1955  | 1987  | 1951  | 1968  | 2000  | 1989  | 1982  | 1963  | 1956  | 1980     | OCT 1963 |
|                       | MAXIMUM IN 24 HOURS (IN)    | 56   | 5.74  | 9.23  | 7.00  | 6.36  | 5.84  | 3.12  | 6.95  | 5.29  | 5.21  | 6.04  | 4.93  | 8.13     | 9.23     |
|                       | YEAR OF OCCURRENCE          |      | 1987  | 1990  | 1979  | 1964  | 1952  | 1992  | 1959  | 1992  | 1988  | 1970  | 2001  | 1973     | FEB 1990 |
|                       | NORMAL NO. DAYS WITH:       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| PRECIPITATION ≥ 0.01  | 30                          | 10.6 | 8.5   | 9.8   | 8.6   | 8.2   | 8.4   | 10.9  | 9.2   | 7.8   | 5.6   | 8.0   | 10.1  | 105.7    |          |
| PRECIPITATION ≥ 1.00  | 30                          | 1.5  | 1.8   | 2.4   | 1.8   | 1.6   | 1.0   | 1.4   | 1.1   | 1.0   | 1.1   | 1.5   | 1.9   | 18.1     |          |
| SNOWFALL              | NORMAL (IN)                 | 30   | 0.5   | 0.1   | 0.1   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | T     | 0.6   | 1.4      |          |
|                       | MAXIMUM MONTHLY (IN)        | 51   | 5.8   | 3.1   | 5.7   | 2.7   | T     | 0.0   | T     | 0.0   | 0.0   | 0.0   | T     | 17.6     |          |
|                       | YEAR OF OCCURRENCE          |      | 1948  | 1960  | 1993  | 1987  | 1991  |       | 1989  |       |       |       | 1976  | 1963     | DEC 1963 |
|                       | MAXIMUM IN 24 HOURS (IN)    | 51   | 4.7   | 3.1   | 5.7   | 2.7   | T     | 0.0   | T     | 0.0   | 0.0   | 0.0   | T     | 15.0     |          |
|                       | YEAR OF OCCURRENCE          |      | 1948  | 1960  | 1993  | 1987  | 1991  |       | 1989  |       |       |       | 1976  | 1963     | DEC 1963 |
|                       | MAXIMUM SNOW DEPTH (IN)     | 48   | 15    | 10    | 6     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 4        |          |
|                       | YEAR OF OCCURRENCE          |      | 1964  | 1963  | 1993  | 1987  |       |       |       |       |       |       |       | 1963     | JAN 1964 |
| NORMAL NO. DAYS WITH: |                             |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| SNOWFALL ≥ 1.0        | 30                          | 0.3  | 0.1   | 0.*   | 0.*   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   | 0.5      |          |

PRECIPITATION (inches) 2001 MERIDIAN, MS (MEI)

| YEAR            | JAN   | FEB   | MAR   | APR   | MAY  | JUN  | JUL   | AUG   | SEP  | OCT  | NOV   | DEC   | ANNUAL |
|-----------------|-------|-------|-------|-------|------|------|-------|-------|------|------|-------|-------|--------|
| 1972            | 11.02 | 3.91  | 4.95  | 2.11  | 5.51 | 4.17 | 5.70  | 1.70  | 2.64 | 2.84 | 4.94  | 8.35  | 57.84  |
| 1973            | 5.03  | 3.94  | 14.29 | 8.96  | 6.62 | 2.66 | 10.16 | 2.51  | 4.46 | 2.00 | 3.61  | 14.79 | 79.03  |
| 1974            | 7.74  | 5.28  | 3.68  | 10.06 | 3.53 | 5.72 | 1.16  | 4.21  | 8.11 | 0.61 | 5.26  | 6.47  | 61.83  |
| 1975            | 8.39  | 6.30  | 7.16  | 7.68  | 5.12 | 5.49 | 6.77  | 3.82  | 3.64 | 4.30 | 2.84  | 4.05  | 65.56  |
| 1976            | 3.00  | 1.72  | 16.47 | 1.01  | 6.31 | 3.72 | 3.09  | 2.36  | 1.87 | 2.54 | 3.55  | 4.28  | 49.92  |
| 1977            | 5.61  | 4.80  | 12.63 | 7.58  | 3.39 | 1.56 | 10.13 | 4.71  | 6.60 | 6.48 | 5.89  | 1.68  | 71.06  |
| 1978            | 5.78  | 2.55  | 2.98  | 3.70  | 5.76 | 2.77 | 3.83  | 1.61  | 0.54 | 0.08 | 3.10  | 6.07  | 38.77  |
| 1979            | 8.72  | 7.45  | 8.44  | 10.73 | 5.46 | 3.24 | 6.48  | 1.46  | 8.15 | 3.19 | 7.41  | 2.33  | 73.06  |
| 1980            | 7.49  | 3.39  | 13.87 | 10.21 | 9.79 | 3.30 | 4.03  | 1.15  | 3.62 | 6.80 | 3.72  | 1.10  | 68.47  |
| 1981            | 1.59  | 4.65  | 11.81 | 1.18  | 3.66 | 2.55 | 3.15  | 2.21  | 0.98 | 3.30 | 2.60  | 5.79  | 43.47  |
| 1982            | 3.16  | 6.73  | 4.50  | 6.52  | 2.57 | 4.53 | 10.18 | 3.90  | 0.10 | 1.69 | 9.82  | 9.08  | 62.78  |
| 1983            | 4.54  | 9.44  | 6.62  | 10.33 | 7.85 | 6.71 | 2.33  | 3.16  | 3.45 | 0.97 | 8.67  | 6.62  | 70.69  |
| 1984            | 2.86  | 4.83  | 3.92  | 5.58  | 5.06 | 1.64 | 6.20  | 4.83  | 0.81 | 9.43 | 4.87  | 3.58  | 53.61  |
| 1985            | 2.45  | 6.84  | 3.10  | 4.57  | 1.83 | 2.76 | 5.29  | 7.41  | 5.41 | 7.46 | 0.81  | 4.33  | 52.26  |
| 1986            | 1.21  | 2.19  | 3.67  | 1.65  | 7.34 | 2.21 | 3.63  | 5.52  | 2.54 | 5.02 | 10.24 | 4.16  | 49.38  |
| 1987            | 8.76  | 11.33 | 3.96  | 0.91  | 5.73 | 7.60 | 1.25  | 2.69  | 4.41 | 0.01 | 4.05  | 4.49  | 55.19  |
| 1988            | 3.14  | 3.80  | 4.96  | 6.33  | 1.12 | 0.87 | 4.62  | 3.48  | 9.32 | 4.29 | 7.56  | 7.47  | 56.96  |
| 1989            | 3.94  | 3.07  | 9.82  | 3.01  | 7.37 | 8.91 | 11.08 | 0.72  | 7.10 | 2.68 | 5.97  | 6.68  | 70.35  |
| 1990            | 11.23 | 15.95 | 6.83  | 4.72  | 3.77 | 4.00 | 3.20  | 1.61  | 1.72 | 0.74 | 5.14  | 3.65  | 62.56  |
| 1991            | 5.78  | 7.41  | 6.52  | 11.78 | 9.02 | 3.57 | 3.80  | 6.65  | 6.04 | 1.13 | 5.03  | 6.83  | 73.56  |
| 1992            | 5.06  | 5.98  | 4.30  | 5.48  | 1.66 | 7.48 | 5.62  | 10.28 | 0.89 | 2.07 | 10.68 | 5.94  | 65.44  |
| 1993            | 11.37 | 3.11  | 7.30  | 4.20  | 2.91 | 3.50 | 2.80  | 3.52  | 1.75 | 5.67 | 5.01  | 3.29  | 54.43  |
| 1994            | 8.25  | 6.46  | 6.24  | 5.43  | 3.99 | 5.98 | 10.62 | 1.69  | 2.27 | 4.76 | 2.87  | 6.91  | 65.47  |
| 1995            | 3.60  | 3.80  | 5.24  | 7.71  | 5.85 | 2.29 | 1.89  | 4.91  | 1.44 | 7.17 | 4.84  | 4.83  | 53.57  |
| 1996            | 5.19  | 4.12  | 8.61  | 4.55  | 3.12 | 1.76 | 9.33  | 3.75  | 4.01 | 2.14 | 3.45  | 2.70  | 52.73  |
| 1997            | 4.44  | 6.12  | 3.73  | 7.82  | 8.24 | 5.15 | 4.84  | 1.32  | 1.94 | 3.68 | 3.02  | 4.69  | 54.99  |
| 1998            | 13.19 | 5.72  | 4.22  | 4.24  | 1.10 | 5.33 | 6.61  | 3.82  | 2.40 | 0.77 | 3.54  | 3.82  | 54.76  |
| 1999            | 7.78  | 2.34  | 6.06  | 1.42  | 3.80 | 3.42 | 2.91  | 1.39  | 2.35 | 4.25 | 0.65  | 3.61  | 39.98  |
| 2000            | 3.11  | 1.46  | 3.82  | 4.45  | 3.53 | 4.21 | 1.06  | 1.79  | 3.50 | 1.39 | 6.16  | 4.04  | 38.52  |
| 2001            | 5.98  | 4.26  | 7.92  | 4.51  | 4.00 | 6.39 | 3.45  | 9.32  | 6.14 | 5.32 | 6.40  | 5.33  | 69.02  |
| POR=<br>112 YRS | 5.15  | 5.23  | 5.96  | 5.12  | 4.38 | 4.25 | 5.38  | 3.90  | 3.22 | 2.53 | 3.82  | 5.33  | 54.27  |

WBAN : 13865

AVERAGE TEMPERATURE (°F) 2001 MERIDIAN, MS (MEI)

| YEAR            | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972            | 51.6 | 51.1 | 57.9 | 65.6 | 70.5 | 77.9 | 79.3 | 82.0 | 80.5 | 66.1 | 52.2 | 51.1 | 65.5   |
| 1973            | 45.4 | 48.1 | 62.4 | 62.3 | 70.4 | 79.0 | 81.8 | 79.2 | 78.0 | 69.4 | 61.6 | 49.9 | 65.6   |
| 1974            | 57.2 | 51.1 | 64.3 | 64.9 | 74.5 | 75.7 | 82.3 | 81.2 | 73.4 | 63.0 | 55.7 | 50.0 | 66.1   |
| 1975            | 50.4 | 51.7 | 55.2 | 60.9 | 75.7 | 79.1 | 81.1 | 81.1 | 73.2 | 63.1 | 53.9 | 45.7 | 64.3   |
| 1976            | 42.6 | 53.8 | 58.2 | 63.2 | 65.0 | 73.8 | 77.9 | 77.3 | 72.0 | 57.8 | 46.4 | 43.9 | 61.0   |
| 1977            | 34.7 | 47.4 | 58.0 | 64.6 | 72.7 | 82.0 | 83.7 | 82.6 | 79.2 | 63.2 | 58.9 | 48.2 | 64.6   |
| 1978            | 38.8 | 39.3 | 50.1 | 62.5 | 70.1 | 78.7 | 81.6 | 80.8 | 77.8 | 62.5 | 59.1 | 47.6 | 62.4   |
| 1979            | 38.0 | 45.7 | 56.8 | 64.4 | 69.7 | 75.1 | 81.7 | 80.7 | 75.1 | 63.8 | 52.4 | 47.5 | 62.6   |
| 1980            | 49.0 | 46.8 | 54.7 | 62.4 | 72.3 | 79.0 | 84.5 | 83.6 | 81.1 | 61.7 | 54.1 | 47.4 | 64.7   |
| 1981            | 43.0 | 50.7 | 55.8 | 70.0 | 70.0 | 82.1 | 84.6 | 83.4 | 74.2 | 64.9 | 58.5 | 47.4 | 65.4   |
| 1982            | 48.2 | 51.2 | 61.5 | 63.6 | 73.6 | 79.2 | 82.3 | 82.0 | 75.1 | 66.9 | 58.8 | 56.7 | 66.6   |
| 1983            | 44.9 | 48.2 | 53.9 | 59.7 | 69.6 | 74.8 | 80.4 | 81.1 | 72.3 | 64.2 | 53.4 | 43.8 | 62.2   |
| 1984            | 40.1 | 47.9 | 54.2 | 60.8 | 67.9 | 75.0 | 78.0 | 79.5 | 74.5 | 71.5 | 54.5 | 57.3 | 63.4   |
| 1985            | 40.2 | 47.5 | 62.2 | 65.5 | 72.2 | 79.2 | 80.7 | 79.9 | 74.1 | 68.4 | 61.2 | 42.6 | 64.5   |
| 1986            | 44.0 | 52.4 | 56.5 | 62.8 | 72.5 | 79.6 | 83.2 | 79.7 | 78.3 | 65.1 | 59.4 | 46.5 | 65.0   |
| 1987            | 44.0 | 51.0 | 56.7 | 62.7 | 74.8 | 77.6 | 81.5 | 82.0 | 74.5 | 58.3 | 56.0 | 52.8 | 64.3   |
| 1988            | 41.7 | 46.9 | 55.0 | 64.5 | 68.7 | 78.3 | 80.1 | 81.6 | 76.2 | 59.7 | 58.5 | 48.3 | 63.3   |
| 1989            | 52.2 | 49.0 | 58.1 | 62.3 | 70.4 | 78.1 | 80.6 | 80.9 | 74.6 | 62.9 | 56.2 | 40.1 | 63.8   |
| 1990            | 50.9 | 56.6 | 60.5 | 63.9 | 71.7 | 79.9 | 81.0 | 82.5 | 78.6 | 64.4 | 58.1 | 53.0 | 66.8   |
| 1991            | 47.2 | 52.3 | 59.0 | 68.3 | 76.0 | 79.1 | 82.1 | 80.9 | 76.4 | 66.9 | 51.7 | 51.9 | 66.0   |
| 1992            | 45.8 | 53.5 | 57.1 | 64.1 | 70.7 | 77.9 | 82.3 | 78.8 | 76.4 | 64.7 | 53.5 | 49.9 | 64.6   |
| 1993            | 50.4 | 49.1 | 53.5 | 60.7 | 70.8 | 80.2 | 83.5 | 83.5 | 76.5 | 64.7 | 54.1 | 48.0 | 64.6   |
| 1994            | 43.0 | 51.5 | 57.9 | 68.1 | 71.9 | 81.1 | 80.5 | 80.9 | 75.7 | 67.0 | 60.4 | 52.7 | 65.9   |
| 1995            | 48.2 | 50.5 | 60.2 | 66.3 | 75.0 | 77.9 | 82.2 | 82.7 | 75.0 | 63.0 | 50.8 | 46.6 | 64.9   |
| 1996            | 44.9 | 48.4 | 52.3 | 60.6 | 74.4 | 77.5 | 80.6 | 78.5 | 73.1 | 64.2 | 55.1 | 50.3 | 63.3   |
| 1997            | 46.8 | 51.9 | 61.6 | 59.7 | 69.4 | 76.5 | 81.1 | 78.8 | 75.9 | 63.2 | 50.2 | 44.9 | 63.3   |
| 1998            | 48.0 | 49.9 | 55.2 | 61.9 | 73.1 | 80.4 | 82.1 | 80.9 | 78.5 | 67.3 | 58.1 | 51.4 | 65.6   |
| 1999            | 50.7 | 53.0 | 53.9 | 67.7 | 70.4 | 77.7 | 81.7 | 83.5 | 73.6 | 64.5 | 55.3 | 47.5 | 65.0   |
| 2000            | 47.9 | 54.2 | 59.4 | 61.1 | 74.5 | 77.7 | 83.0 | 83.2 | 75.3 | 64.9 | 52.5 | 39.1 | 64.4   |
| 2001            | 42.0 | 53.2 | 51.6 | 65.9 | 71.2 | 76.3 | 81.0 | 79.6 | 73.4 | 61.2 | 58.5 | 51.5 | 63.8   |
| POR=<br>112 YRS | 46.8 | 49.6 | 56.8 | 64.2 | 71.6 | 78.5 | 80.7 | 80.3 | 76.3 | 65.3 | 55.3 | 48.4 | 64.5   |

HEATING DEGREE DAYS (base 65°F) 2001 MERIDIAN, MS (MEI)

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1972-73 | 0   | 0   | 5   | 79  | 401 | 434 | 602 | 467 | 125 | 147 | 19  | 0   | 2279  |
| 1973-74 | 0   | 0   | 0   | 49  | 174 | 464 | 259 | 390 | 125 | 76  | 0   | 0   | 1537  |
| 1974-75 | 0   | 0   | 8   | 103 | 295 | 461 | 449 | 370 | 317 | 164 | 0   | 0   | 2167  |
| 1975-76 | 0   | 0   | 22  | 108 | 349 | 589 | 686 | 323 | 236 | 80  | 51  | 0   | 2444  |
| 1976-77 | 0   | 0   | 3   | 235 | 553 | 649 | 932 | 487 | 231 | 53  | 4   | 0   | 3147  |
| 1977-78 | 0   | 0   | 0   | 108 | 200 | 517 | 808 | 714 | 457 | 111 | 26  | 0   | 2941  |
| 1978-79 | 0   | 0   | 0   | 110 | 178 | 547 | 830 | 536 | 261 | 69  | 15  | 0   | 2546  |
| 1979-80 | 0   | 0   | 0   | 93  | 374 | 536 | 489 | 540 | 325 | 106 | 3   | 0   | 2466  |
| 1980-81 | 0   | 0   | 0   | 143 | 325 | 539 | 677 | 398 | 290 | 21  | 15  | 0   | 2408  |
| 1981-82 | 0   | 0   | 9   | 96  | 221 | 545 | 541 | 381 | 198 | 108 | 1   | 0   | 2100  |
| 1982-83 | 0   | 0   | 8   | 79  | 226 | 318 | 616 | 461 | 340 | 170 | 15  | 0   | 2233  |
| 1983-84 | 0   | 0   | 21  | 92  | 350 | 658 | 766 | 490 | 344 | 173 | 42  | 3   | 2939  |
| 1984-85 | 0   | 0   | 8   | 30  | 323 | 251 | 764 | 488 | 137 | 80  | 2   | 0   | 2083  |
| 1985-86 | 0   | 0   | 11  | 53  | 154 | 689 | 644 | 359 | 274 | 100 | 9   | 0   | 2293  |
| 1986-87 | 0   | 0   | 0   | 99  | 196 | 566 | 644 | 385 | 258 | 142 | 0   | 0   | 2290  |
| 1987-88 | 0   | 0   | 0   | 215 | 282 | 387 | 714 | 517 | 308 | 73  | 10  | 0   | 2506  |
| 1988-89 | 0   | 0   | 1   | 179 | 223 | 511 | 401 | 469 | 248 | 148 | 40  | 0   | 2220  |
| 1989-90 | 0   | 0   | 11  | 125 | 282 | 765 | 433 | 255 | 185 | 110 | 12  | 0   | 2178  |
| 1990-91 | 0   | 0   | 7   | 121 | 219 | 391 | 543 | 349 | 223 | 27  | 1   | 0   | 1881  |
| 1991-92 | 0   | 0   | 3   | 65  | 414 | 411 | 587 | 327 | 246 | 111 | 21  | 0   | 2185  |
| 1992-93 | 0   | 0   | 0   | 50  | 351 | 461 | 444 | 441 | 353 | 153 | 7   | 0   | 2260  |
| 1993-94 | 0   | 0   | 3   | 125 | 350 | 521 | 676 | 379 | 239 | 64  | 2   | 0   | 2359  |
| 1994-95 | 0   | 0   | 1   | 55  | 161 | 379 | 520 | 401 | 187 | 50  | 12  | 0   | 1766  |
| 1995-96 | 0   | 0   | 3   | 122 | 422 | 568 | 613 | 492 | 408 | 181 | 6   | 0   | 2815  |
| 1996-97 | 0   | 0   | 11  | 98  | 314 | 458 | 568 | 372 | 141 | 173 | 18  | 0   | 2153  |
| 1997-98 | 0   | 0   | 0   | 151 | 435 | 615 | 519 | 419 | 335 | 130 | 3   | 1   | 2608  |
| 1998-99 | 0   | 0   | 0   | 56  | 209 | 443 | 444 | 340 | 336 | 68  | 6   | 0   | 1902  |
| 1999-00 | 0   | 0   | 12  | 103 | 284 | 537 | 527 | 324 | 187 | 126 | 0   | 0   | 2100  |
| 2000-01 | 0   | 0   | 7   | 74  | 398 | 796 | 704 | 337 | 411 | 82  | 1   | 0   | 2810  |
| 2001-   | 0   | 0   | 21  | 170 | 208 | 416 |     |     |     |     |     |     |       |

WBAN : 13865

COOLING DEGREE DAYS (base 65°F) 2001 MERIDIAN, MS (MEI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 8   | 6   | 21  | 106 | 182 | 393 | 449 | 536 | 475 | 121 | 21  | 10  | 2328   |
| 1973 | 0   | 0   | 49  | 73  | 193 | 426 | 526 | 445 | 399 | 191 | 76  | 2   | 2380   |
| 1974 | 27  | 6   | 106 | 79  | 301 | 329 | 542 | 507 | 269 | 49  | 22  | 3   | 2240   |
| 1975 | 4   | 1   | 23  | 50  | 342 | 430 | 507 | 506 | 274 | 57  | 22  | 0   | 2216   |
| 1976 | 0   | 8   | 33  | 36  | 57  | 268 | 409 | 389 | 220 | 18  | 0   | 0   | 1438   |
| 1977 | 0   | 0   | 23  | 50  | 250 | 517 | 584 | 554 | 433 | 59  | 24  | 4   | 2498   |
| 1978 | 1   | 0   | 0   | 44  | 193 | 418 | 522 | 498 | 390 | 40  | 9   | 15  | 2130   |
| 1979 | 0   | 0   | 13  | 57  | 168 | 309 | 526 | 493 | 307 | 63  | 6   | 0   | 1942   |
| 1980 | 0   | 16  | 10  | 35  | 233 | 425 | 612 | 586 | 487 | 45  | 4   | 0   | 2453   |
| 1981 | 0   | 1   | 12  | 178 | 175 | 517 | 612 | 576 | 292 | 100 | 33  | 5   | 2501   |
| 1982 | 28  | 0   | 94  | 73  | 274 | 434 | 541 | 532 | 317 | 146 | 46  | 70  | 2555   |
| 1983 | 0   | 0   | 1   | 18  | 163 | 297 | 484 | 505 | 248 | 73  | 9   | 5   | 1803   |
| 1984 | 0   | 1   | 17  | 51  | 142 | 310 | 411 | 456 | 299 | 237 | 14  | 19  | 1957   |
| 1985 | 0   | 5   | 56  | 102 | 233 | 435 | 494 | 472 | 289 | 165 | 47  | 4   | 2302   |
| 1986 | 0   | 13  | 14  | 39  | 247 | 444 | 573 | 460 | 405 | 111 | 38  | 1   | 2345   |
| 1987 | 0   | 0   | 6   | 76  | 310 | 388 | 514 | 533 | 289 | 14  | 16  | 13  | 2159   |
| 1988 | 0   | 2   | 7   | 66  | 131 | 408 | 475 | 519 | 345 | 20  | 35  | 0   | 2008   |
| 1989 | 9   | 26  | 42  | 75  | 215 | 399 | 493 | 500 | 305 | 67  | 26  | 0   | 2157   |
| 1990 | 3   | 29  | 51  | 85  | 226 | 454 | 502 | 549 | 423 | 112 | 19  | 26  | 2479   |
| 1991 | 0   | 2   | 47  | 131 | 349 | 430 | 537 | 502 | 352 | 129 | 21  | 13  | 2513   |
| 1992 | 0   | 0   | 6   | 88  | 208 | 392 | 542 | 434 | 349 | 50  | 13  | 0   | 2082   |
| 1993 | 0   | 4   | 2   | 32  | 193 | 459 | 581 | 581 | 356 | 121 | 27  | 0   | 2356   |
| 1994 | 1   | 10  | 23  | 165 | 222 | 491 | 486 | 498 | 331 | 126 | 29  | 5   | 2387   |
| 1995 | 5   | 2   | 41  | 94  | 329 | 393 | 542 | 556 | 308 | 68  | 6   | 4   | 2348   |
| 1996 | 0   | 21  | 19  | 56  | 302 | 384 | 491 | 427 | 261 | 78  | 24  | 6   | 2069   |
| 1997 | 10  | 12  | 43  | 19  | 163 | 354 | 505 | 433 | 334 | 104 | 0   | 0   | 1977   |
| 1998 | 0   | 0   | 38  | 46  | 265 | 470 | 538 | 499 | 413 | 132 | 6   | 30  | 2437   |
| 1999 | 10  | 12  | 0   | 157 | 179 | 389 | 529 | 584 | 275 | 93  | 0   | 1   | 2229   |
| 2000 | 6   | 16  | 20  | 19  | 304 | 389 | 564 | 573 | 321 | 79  | 31  | 0   | 2322   |
| 2001 | 0   | 13  | 0   | 117 | 200 | 346 | 504 | 462 | 280 | 61  | 17  | 3   | 2003   |

SNOWFALL (inches) 2001 MERIDIAN, MS (MEI)

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1972-73        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1973-74        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.2   |
| 1974-75        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1975-76        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1976-77        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0   |
| 1977-78        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | T   | T   | 0.0 | 0.0 | 0.0 | 1.0   |
| 1978-79        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1979-80        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | 0.0 | 0.0 | T     |
| 1980-81        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1981-82        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 1.8   |
| 1982-83        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 1983-84        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | T   | 0.0 | 0.0 | 0.0 | T     |
| 1984-85        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1985-86        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | 0.0 | T     |
| 1986-87        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 5.0   |
| 1987-88        | 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   |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | T   | 0.0 | 0.0 | T     |
| 1989-90        | T   | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | T     |
| 1990-91        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T   | T   | 0.0 | T     |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2   |
| 1992-93        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 | 0.0 | 5.7   |
| 1993-94        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | T   | 0.0 | 0.0 | 0.8   |
| 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 | 0.0 | T   |     |     |     |     |     |       |
| 1996-97        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1997-98        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1998-99        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 1999-00        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2000-01        |     |     |     |     |     |     |     |     |     |     |     |     |       |
| 2001-          |     |     |     |     |     |     |     |     |     |     |     |     |       |
| POR=<br>50 YRS | T   | 0.0 | 0.0 | 0.0 | T   | 0.4 | 0.4 | 0.2 | 0.1 | 0.1 | T   | 0.0 | 1.2   |

WBAN : 13865

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 (1961 - 1990).<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.</p> | <p>GENERAL CONTINUED:<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.<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.</p> <p>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.</p> |
|--|---|

# 2001 MERIDIAN, MISSISSIPPI (MEI)

Mild winters and warm summers describe the general temperature pattern for Meridian. However, the terrain features exert a pronounced influence, particularly during the winter months. The hills to the north, east, and west leave Meridian in a valley. During periods of near calm winds, cold air drainage brings temperatures which may be as much as 10 degrees lower than for other locations in the area. January is usually the coldest month, followed closely by December and February. Sub-zero temperatures are very rare. Summer temperatures are consistently warm. Prolonged periods with above 100 degrees readings are rare.

Precipitation is distributed evenly throughout the year. The widespread rains of the winter months reach a maximum in March. Spring showers reach a minimum in May, followed by localized summer thunderstorms in July and August. The driest period of the year is in late September and October, followed by the onset of winter-type precipitation in late November. This pattern is ideally suited to agricultural operations since the spring rains are conducive to crop growth in the early stages and the dry period in the fall is ideal for harvesting operations. Summer thunderstorms are highly localized and occur on one in three days during July and August.

The long growing season averages 235 days, nearly eight months. The average date of the first occurrence of a temperature as low as 32 degrees in autumn is November 7, and the occurrence of 32 degrees before October 20 is very rare. The average date of the last occurrence of 32 degrees in spring is March 19, although 32 degrees has been recorded in late April. Some portions of the area not affected by cold air drainage may have slightly longer average growing seasons.

The nearby Gulf of Mexico provides an abundant supply of moisture to the Meridian area and results in high humidities for prolonged periods.

Humidities of greater than 90 percent occur nightly during every month except for short periods during the autumn and winter when cool continental air is flowing from the north. Lowest humidities are observed during the early afternoons, but seldom reach below 40 percent except for short periods.

March is generally the windiest month of the year due to the frequent occurrence of late winter and spring storms across the Gulf States. October has the lowest average wind speed. Prevailing winds are from the north and northeast during the autumn and winter months, and from the south and southwest during the spring and summer. Local thunderstorms produce short periods of high winds during the spring and summer months and can be quite destructive. Severe thunderstorms and tornadoes have caused considerable loss of life and property in this area. The highest sustained wind speed recorded was 50 mph, but there have been short periods with winds in excess of 50 mph.

Fifty years of record show that December, January, and February receive the smallest amount of possible sunshine. About 40 to 45 percent of the days during these months are cloudy. Sunshine reaches a maximum during the dry period in the fall, September and October. These months are characterized by long periods of cloudless skies.

Thunderstorms normally occur during every month in the year, but most occur during the summer months. These summer thunderstorms provide most of the precipitation during the crop growing season. Cloudiness associated with these thunderstorms brings relief from the oppressive heat. Although thunderstorm occurrence is high, hail damage is infrequent and usually confined to a small area.

# STATION LOCATION

MERIDIAN, MISSISSIPPI

| LOCATION   | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE |           |                 |                     |              |                 |                |            |                      |                   | AUTOMATIC OBSERVING EQUIPMENT *   | * TYPE<br>M = AMOS<br>T = AUTOB<br>S = ASOS<br>W = AWOS<br><br>REMARKS |
|--|---------------|-------------|---|----------------|----------------|-----------------|-----------|-----------------|---------------------|--------------|-----------------|----------------|------------|----------------------|-------------------|---|--|
|  |               |             |   |                |                | SEA LEVEL       |           | GROUND          |                     |              |                 |                |            |                      |                   |   |  |
|  |               |             |   |                |                | GROUND          | SEA LEVEL | WIND INSTRUMENT | EXTREME THERMOMETER | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | RAIN GAUGE | WINDHOLE             | 8 INCH RAIN GAUGE |   |  |
| *NOTE:   |               |             |   |                |                |                 |           |                 |                     |              |                 |                |            |                      |                   |   |  |
| <u>AIRPORT</u>   |               |             |   |                |                |                 |           |                 |                     |              |                 |                |            |                      |                   |   |  |
| Administration Building Key Field                            | 4/01/38       | 3/26/45     |   | 32°20'         | 88°45'         | 294             | 42        | 22              | 22                  |              |                 |                |            | 3                    |                   | CAA observations through 2/29/44.   |  |
| Administration Building Key Field                            | 3/26/45       | 6/29/59     | 60 ft.S   | 32°20'         | 88°45'         | 294             | 42        | 5               | 4                   |              |                 |                | 3          | 3                    |                   |   |  |
| Administration Bldg. + Key Field                             | 6/30/59       | 07/01/95    | 1/4 mi.S  | 32°20'         | 88°45'         | 292<br>b290     | 20<br>g40 | 5<br>d5         | 5<br>h5             | NA           | NA<br>e5        | 3<br>c4        | 3<br>d4    | NA<br>a5<br>f5<br>j5 | NA                | New Administration Building.<br>a. Commissioned 1400 feet SSW of thermometer site 6/1/64; moved 1450 feet NW 8/24/67.<br>b. Effective 6/1/64.<br>c. Effective 6/11/65.<br>d. Minor relocation 7/22/76.<br>e. Added 7/22/76.<br>f. Type change 7/18/85.<br>g. Raised & type change 4/1/87.<br>h. type change 6/18/87.<br>j. Minor relocation 10/24/90. |  |
| + Nat. Weather Service Bldg (150' N of terminal) eff. 11/76. |               |             |   |                |                |                 |           |                 |                     |              |                 |                |            |                      |                   |   |  |
| NWS/FAA Building eff. 6/79.                                  |               |             |   |                |                |                 |           |                 |                     |              |                 |                |            |                      |                   |   |  |
| Key Field  | 07/01/95      | Present     | NA  | 32°20'         | 88°45'         | k289            |           |                 |                     |              |                 |                |            | S                    |                   | ASOS Commissioned 07/01/95<br>k. Ground elevation.  |  |

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\* NOTES: For earlier station history see previous edition.