

2005

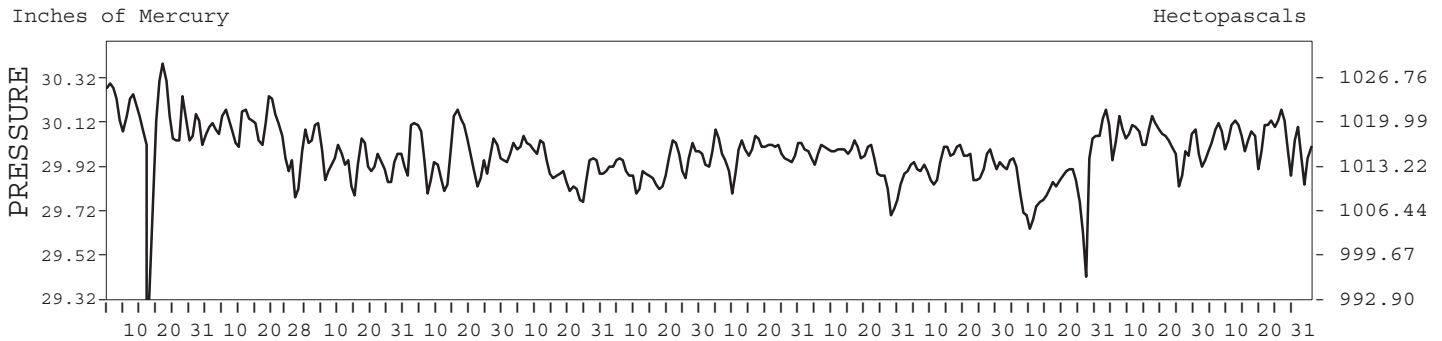
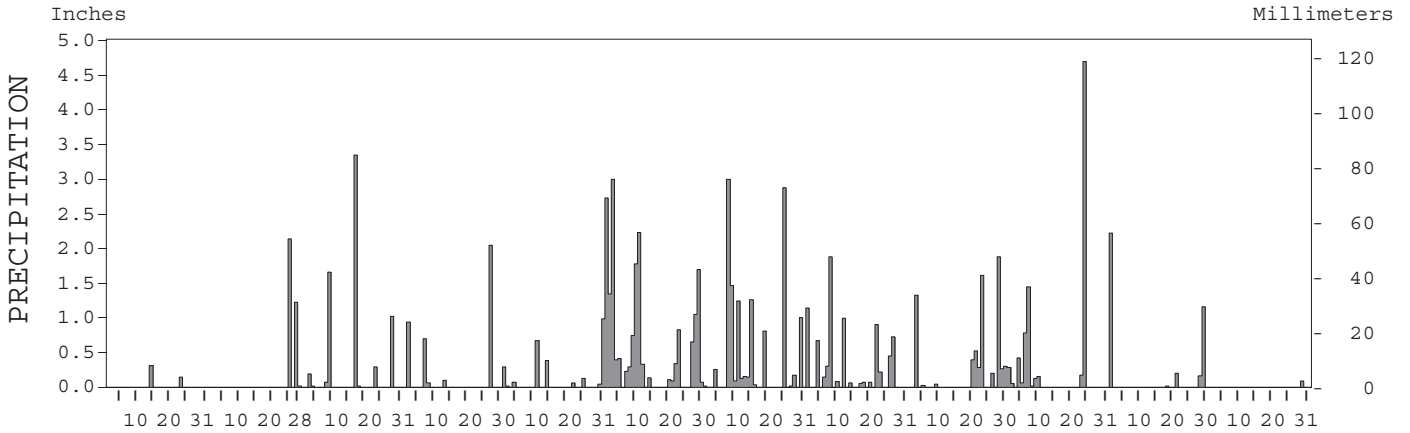
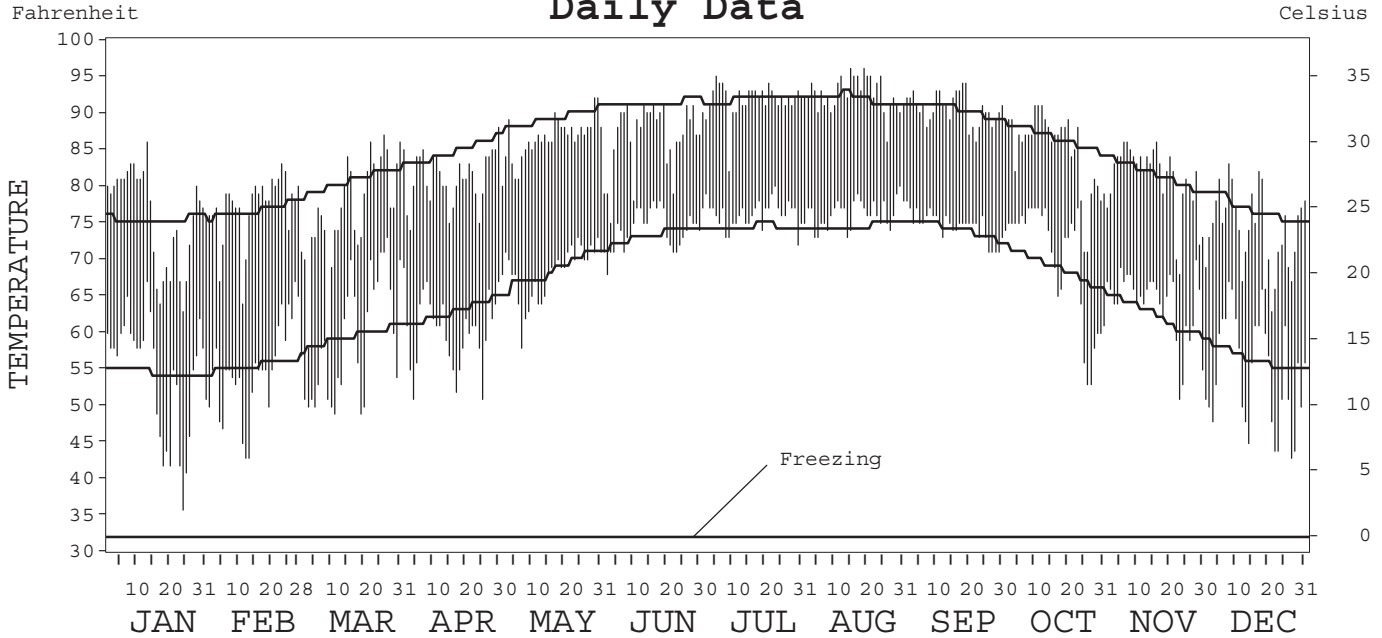
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1234

FORT MYERS,
FLORIDA (FMY)

Daily Data



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Thomas R. Karl

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA,
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2005

FORT MYERS, FL (FMY)

LATITUDE: 26° 35' 11" N LONGITUDE: 81° 51' 49" W ELEVATION (FT): GRND: 15 BARO: 18 TIME ZONE: EASTERN (UTC + 5) WBAN: 12835

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 75.6 | 77.1 | 76.8 | 81.2 | 86.5 | 86.7 | 91.7 | 92.5 | 90.6 | 84.9 | 80.9 | 74.0 | 83.2 | |
| | HIGHEST DAILY MAXIMUM | 86 | 83 | 87 | 88 | 92 | 91 | 95 | 96 | 94 | 91 | 86 | 83 | 96 | |
| | DATE OF OCCURRENCE | 13 | 23 | 26 | 30 | 30+ | 28+ | 05 | 19+ | 19+ | 12+ | 16+ | 08 | AUG 19+ | |
| | MEAN DAILY MINIMUM | 54.2 | 54.9 | 59.2 | 60.3 | 68.3 | 74.0 | 76.2 | 76.3 | 74.6 | 69.9 | 64.0 | 54.5 | 65.5 | |
| | LOWEST DAILY MINIMUM | 36 | 43 | 49 | 51 | 58 | 68 | 72 | 73 | 71 | 53 | 51 | 43 | 36 | |
| | DATE OF OCCURRENCE | 24 | 13+ | 19+ | 25+ | 07 | 02 | 30 | 14+ | 29+ | 27+ | 23 | 27 | JAN 24 | |
| | AVERAGE DRY BULB | 64.9 | 66.0 | 68.0 | 70.8 | 77.4 | 80.4 | 84.0 | 84.4 | 82.6 | 77.4 | 72.5 | 64.3 | 74.4 | |
| | MEAN WET BULB | | 58.8 | 61.6 | 62.5 | 69.7 | 74.6 | 76.6 | 76.5 | 74.7 | 70.4 | 65.9 | 58.5 | | |
| | MEAN DEW POINT | | 53.6 | 56.9 | 56.6 | 65.8 | 72.6 | 74.0 | 73.9 | 71.7 | 67.0 | 62.5 | 54.2 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 3 | 11 | 29 | 30 | 21 | 3 | 0 | 0 | 0 | 97 |
| | MAXIMUM ≤ 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | MINIMUM ≤ 32° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 90 | 38 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 82 | 266 | |
| | COOLING DEGREE DAYS | 98 | 75 | 146 | 181 | 393 | 467 | 596 | 608 | 535 | 394 | 237 | 70 | 3800 | |
| RH | MEAN (PERCENT) | 72 | 69 | 71 | 64 | 70 | 81 | 76 | 76 | 75 | 75 | 74 | 73 | 73 | |
| | HOUR 01 LST | 84 | 81 | 82 | 77 | 83 | 88 | 87 | 87 | 85 | 84 | 84 | 83 | 84 | |
| | HOUR 07 LST | 88 | 87 | 87 | 81 | 84 | 88 | 87 | 89 | 87 | 87 | 87 | 87 | 87 | |
| | HOUR 13 LST | 51 | 51 | 55 | 45 | 52 | 69 | 59 | 57 | 56 | 60 | 57 | 55 | 56 | |
| | HOUR 19 LST | 66 | 62 | 69 | 58 | 65 | 78 | 74 | 74 | 75 | 73 | 71 | 72 | 70 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 4 | 3 | 2 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 17 | |
| | THUNDERSTORMS | 0 | 0 | 2 | 2 | 9 | 19 | 17 | 19 | 11 | 2 | 1 | 0 | 82 | |
| 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 | 29.96 | 29.98 | 29.93 | 29.92 | 29.99 | 29.94 | 29.93 | 29.86 | 30.03 | 30.05 | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | | 30.10 | 29.98 | 30.00 | 29.95 | 29.94 | 30.01 | 29.96 | 29.96 | 29.88 | 30.06 | 30.07 | | |
| WINDS | RESULTANT SPEED (MPH) | | 1.2 | 1.9 | 1.1 | 1.3 | 1.3 | 0.6 | 1.1 | 1.8 | 4.1 | 4.2 | 1.8 | | |
| | RES. DIR. (TENS OF DEGS.) | | 23 | 23 | 09 | 32 | 07 | 05 | 10 | 08 | 05 | 06 | 03 | | |
| | MEAN SPEED (MPH) | 7.3 | 7.6 | 7.3 | 8.3 | 6.8 | 5.6 | 4.9 | 5.9 | 7.1 | 8.4 | 7.6 | 6.5 | 6.9 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 03 | 06 | 23 | 04 | 08 | 11 | 10 | 10 | 07 | 06 | 07 | 04 | 06 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 23 | 28 | 30 | 29 | 35 | 29 | 35 | 35 | 29 | 62 | 28 | 23 | 62 | |
| | DIR. (TENS OF DEGS.) | 06 | 21 | 20 | 27 | 34 | 13 | 12 | 04 | 18 | 35 | 31 | 26 | 35 | |
| | DATE OF OCCURRENCE | 28 | 27 | 23+ | 02 | 04 | 09+ | 30+ | 14 | 28 | 24 | 21 | 29+ | OCT 24 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 28 | 38 | 38 | 37 | 41 | 35 | 46 | 44 | 36 | 76 | 36 | 29 | 76 | |
| DIR. (TENS OF DEGS.) | 06 | 22 | 21 | 27 | 02 | 09 | 14 | 10 | 19 | 34 | 29 | 32 | 34 | | |
| DATE OF OCCURRENCE | 28 | 27 | 23 | 02 | 25+ | 07 | 30+ | 12 | 28 | 24 | 21 | 26 | OCT 24 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.45 | 3.37 | 6.59 | 3.84 | 2.62 | 18.42 | 12.60 | 7.74 | 6.82 | 8.17 | 3.75 | 0.09 | 74.46 | |
| | GREATEST 24-HOUR (IN.) | 0.31 | 2.14 | 3.34 | 2.04 | 1.02 | 3.83 | 4.07 | 2.17 | 1.88 | 4.86 | 2.22 | 0.09 | 4.86 | |
| | DATE OF OCCURRENCE | 14 | 25 | 17 | 27 | 30-31 | 10-11 | 08-09 | 07-08 | 28 | 23-24 | 01 | 29 | OCT 23-24 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 2 | 3 | 8 | 5 | 9 | 20 | 16 | 15 | 11 | 11 | 5 | 1 | 106 | |
| PRECIPITATION ≥ 0.10 | 2 | 2 | 5 | 4 | 5 | 18 | 12 | 10 | 9 | 8 | 4 | 0 | 79 | | |
| PRECIPITATION ≥ 1.00 | 0 | 2 | 3 | 1 | 0 | 7 | 6 | 2 | 3 | 2 | 2 | 0 | 28 | | |
| 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

FORT MYERS, FL (FMY)

LATITUDE: 26° 35' 11" N LONGITUDE: 81° 51' 49" W ELEVATION (FT): GRND: 15 BARO: 18 TIME ZONE: EASTERN (UTC + 5) WBAN: 12835

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 75.3 | 76.5 | 80.5 | 84.5 | 89.1 | 91.2 | 91.7 | 91.7 | 90.3 | 86.3 | 81.3 | 76.6 | 84.6 |
| | MEAN DAILY MAXIMUM | 7 | 73.8 | 77.5 | 80.5 | 83.9 | 89.0 | 90.2 | 90.8 | 90.9 | 88.6 | 85.9 | 80.7 | 75.2 | 83.9 |
| | HIGHEST DAILY MAXIMUM | 7 | 90 | 88 | 90 | 93 | 96 | 97 | 100 | 96 | 94 | 92 | 90 | 86 | 100 |
| | YEAR OF OCCURRENCE | | 2003 | 2001 | 2002 | 1999 | 2002 | 1998 | 1998 | 2005 | 2005 | 1998 | 2004 | 2000 | JUL 1998 |
| | MEAN OF EXTREME MAXS. | 7 | 85.4 | 84.5 | 87.6 | 90.1 | 94.3 | 94.6 | 95.6 | 94.4 | 92.8 | 90.7 | 87.2 | 83.8 | 90.1 |
| | NORMAL DAILY MINIMUM | 30 | 54.5 | 55.4 | 59.3 | 62.7 | 68.4 | 73.1 | 74.2 | 74.4 | 73.9 | 68.6 | 62.1 | 56.2 | 65.2 |
| | MEAN DAILY MINIMUM | 7 | 51.8 | 55.8 | 59.8 | 62.8 | 68.4 | 73.3 | 74.8 | 74.8 | 74.4 | 68.9 | 61.7 | 55.5 | 65.2 |
| | LOWEST DAILY MINIMUM | 7 | 30 | 38 | 42 | 44 | 55 | 67 | 70 | 71 | 67 | 52 | 42 | 33 | 30 |
| | YEAR OF OCCURRENCE | | 2001 | 2002 | 1999 | 2003 | 1999 | 1999 | 2002 | 2002 | 1999 | 2001 | 2000 | 2000 | JAN 2001 |
| | MEAN OF EXTREME MINS. | 7 | 36.2 | 41.1 | 46.5 | 50.7 | 60.1 | 69.4 | 71.4 | 71.7 | 70.1 | 57.1 | 49.8 | 40.1 | 55.3 |
| | NORMAL DRY BULB | 30 | 64.9 | 66.0 | 69.9 | 73.6 | 78.8 | 82.2 | 83.0 | 83.1 | 82.1 | 77.5 | 71.7 | 66.4 | 74.9 |
| | MEAN DRY BULB | 7 | 62.9 | 66.8 | 70.3 | 73.4 | 78.6 | 81.7 | 83.0 | 82.9 | 81.5 | 77.4 | 71.3 | 65.3 | 74.6 |
| | MEAN WET BULB | | | 59.5 | 63.1 | 65.4 | 71.3 | 74.4 | 76.3 | 76.3 | 75.7 | 70.5 | 64.8 | 60.8 | |
| | MEAN DEW POINT | | | 55.1 | 58.7 | 60.8 | 67.8 | 72.0 | 73.9 | 74.3 | 73.5 | 67.3 | 61.2 | 57.1 | |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.1 | 0.6 | 3.3 | 14.2 | 21.6 | 25.5 | 25.4 | 20.1 | 5.9 | 0.5 | 0.1 | 117.3 | |
| MAXIMUM ≤ 32° | 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 | |
| MINIMUM ≤ 32° | 30 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.6 | |
| 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 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 103 | 75 | 28 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 16 | 76 | 302 |
| | NORMAL COOLING DEG. DAYS | 30 | 97 | 99 | 174 | 260 | 423 | 516 | 564 | 568 | 518 | 394 | 222 | 122 | 3957 |
| RH | NORMAL (PERCENT) | 30 | 76 | 73 | 72 | 70 | 71 | 77 | 79 | 80 | 80 | 76 | 76 | 76 | 76 |
| | HOUR 01 LST | 30 | 86 | 85 | 85 | 84 | 85 | 89 | 91 | 90 | 90 | 87 | 87 | 87 | 87 |
| | HOUR 07 LST | 30 | 89 | 89 | 90 | 89 | 88 | 90 | 91 | 92 | 93 | 91 | 90 | 89 | 90 |
| | HOUR 13 LST | 30 | 56 | 54 | 51 | 47 | 50 | 57 | 59 | 60 | 61 | 56 | 57 | 57 | 55 |
| | HOUR 19 LST | 30 | 72 | 69 | 67 | 65 | 66 | 74 | 77 | 78 | 78 | 73 | 74 | 74 | 72 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 7 | 4.2 | 3.6 | 1.9 | 1.1 | 0.2 | 1.5 | 0.8 | 1.8 | 0.6 | 0.9 | 1.4 | 2.6 | 20.6 |
| | THUNDERSTORMS | 7 | 1.1 | 0.7 | 2.5 | 1.7 | 4.6 | 17.6 | 18.0 | 18.1 | 10.5 | 2.1 | 0.7 | 0.7 | 78.3 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 1 | | | 4.0 | | 4.0 | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | | | 12.0 | 14.0 | 12.0 | | | | | | | | | |
| PARTLY CLOUDY | 1 | | | 14.0 | 12.0 | 13.0 | | | | | | | | | |
| CLOUDY | 1 | | | 5.0 | 3.0 | 6.0 | | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 5 | 30.12 | 30.11 | 30.03 | 30.01 | 29.99 | 30.00 | 30.01 | 29.99 | 29.89 | 29.96 | 30.05 | 30.09 | 30.02 |
| | MEAN SEA-LEVEL PRES. (IN) | 5 | 30.15 | 30.14 | 30.05 | 30.03 | 30.01 | 30.03 | 30.03 | 30.02 | 29.91 | 29.98 | 30.07 | 30.11 | 30.04 |
| WINDS | MEAN SPEED (MPH) | 7 | 7.0 | 7.4 | 8.0 | 8.0 | 7.2 | 6.0 | 5.4 | 5.6 | 7.0 | 7.3 | 7.1 | 7.1 | 6.9 |
| | PREVAIL. DIR (TENS OF DEGS) | | | | | | | | | | | | | | |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 7 | 37 | 31 | 31 | 36 | 38 | 48 | 35 | 50 | 41 | 62 | 30 | 35 | 62 |
| | DIR. (TENS OF DEGS) | | 28 | 26 | 32 | 19 | 20 | 31 | 12 | 14 | 27 | 35 | 35 | 27 | 35 |
| | YEAR OF OCCURRENCE | | 2000 | 2003 | 2001 | 2004 | 1999 | 1999 | 2005 | 2004 | 2004 | 2005 | 2002 | 2004 | OCT 2005 |
| MAXIMUM 5-SECOND: | | | | | | | | | | | | | | | |
| SPEED (MPH) | 7 | 47 | 47 | 41 | 49 | 46 | 59 | 46 | 76 | 53 | 76 | 36 | 43 | 76 | |
| DIR. (TENS OF DEGS) | | 28 | 27 | 23 | 18 | 21 | 30 | 14 | 17 | 27 | 34 | 29 | 28 | 34 | |
| YEAR OF OCCURRENCE | | 2000 | 2003 | 2000 | 2004 | 1999 | 1999 | 2005 | 2004 | 2004 | 2005 | 2005 | 2004 | OCT 2005 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.23 | 2.10 | 2.74 | 1.67 | 3.42 | 9.77 | 8.98 | 9.54 | 7.86 | 2.59 | 1.71 | 1.58 | 54.19 |
| | MAXIMUM MONTHLY (IN) | 7 | 3.39 | 3.44 | 6.59 | 3.84 | 3.46 | 18.42 | 13.94 | 16.82 | 17.21 | 8.17 | 7.58 | 4.68 | 18.42 |
| | YEAR OF OCCURRENCE | | 2004 | 2004 | 2005 | 2005 | 1999 | 2005 | 2001 | 2004 | 2003 | 2005 | 1998 | 2003 | JUN 2005 |
| | MINIMUM MONTHLY (IN) | 7 | 0.45 | 0.11 | 0.19 | 0.52 | 0.20 | 4.52 | 2.92 | 7.74 | 4.51 | 0.57 | 0.41 | 0.09 | 0.09 |
| | YEAR OF OCCURRENCE | | 2005 | 2001 | 2002 | 2001 | 2001 | 2001 | 2003 | 2005 | 2004 | 1998 | 2001 | 2005 | DEC 2005 |
| | MAXIMUM IN 24 HOURS (IN) | 7 | 2.11 | 2.55 | 3.34 | 2.04 | 2.20 | 4.17 | 4.07 | 3.50 | 6.39 | 4.86 | 4.76 | 2.00 | 6.39 |
| | YEAR OF OCCURRENCE | | 2003 | 2004 | 2005 | 2005 | 2002 | 2003 | 2005 | 2004 | 2000 | 2005 | 2002 | 2003 | SEP 2000 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 6.1 | 5.5 | 6.1 | 4.3 | 6.6 | 14.7 | 18.6 | 18.5 | 14.5 | 7.8 | 5.3 | 4.9 | 112.9 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.6 | 0.7 | 0.8 | 0.5 | 0.7 | 3.2 | 2.7 | 3.1 | 2.3 | 1.1 | 0.4 | 0.3 | 16.4 | |
| SNOWFALL | 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 | 0.0 | 0.0 |
| | MAXIMUM MONTHLY (IN) | | | | | | | | | | | | | | |
| | YEAR OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM IN 24 HOURS (IN) | | | | | | | | | | | | | | |
| | YEAR OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN) | | | | | | | | | | | | | | |
| YEAR OF OCCURRENCE | | | | | | | | | | | | | | | |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| 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) 2005 FORT MYERS, FL (FMY)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---------------|------|------|------|------|------|-------|-------|-------|-------|------|------|------|--------|
| 1998 | | | 5.40 | 1.17 | 2.56 | 6.53 | 10.01 | 8.69 | 13.59 | 0.57 | 7.58 | 1.07 | |
| 1999 | 2.34 | 0.19 | 0.85 | 0.66 | 3.46 | 10.90 | 8.04 | 9.41 | 8.29 | 1.83 | 1.53 | 1.50 | 49.00 |
| 2000 | 1.27 | 0.11 | 3.37 | 1.91 | 2.79 | 8.01 | 8.73 | 8.40 | 12.02 | 1.78 | T | 0.45 | 48.84 |
| 2001 | T | T | 1.97 | 0.52 | 0.20 | 4.52 | 13.94 | 10.32 | 14.14 | 2.21 | 0.41 | 1.84 | 50.07 |
| 2002 | 2.13 | 0.96 | 0.19 | 1.64 | 2.34 | 7.89 | 7.15 | 12.63 | 6.82 | 1.05 | 5.67 | 3.58 | 52.05 |
| 2003 | 1.87 | 0.89 | 3.44 | 2.51 | 2.84 | 14.60 | 2.92 | 16.80 | 17.21 | 0.76 | 2.12 | 4.68 | 70.64 |
| 2004 | 3.39 | 3.44 | 0.36 | 3.65 | 0.47 | 15.07 | 10.35 | 16.82 | 4.51 | 0.70 | 1.10 | 1.97 | 61.83 |
| 2005 | 0.45 | 3.37 | 6.59 | 3.84 | 2.62 | 18.42 | 12.60 | 7.74 | 6.82 | 8.17 | 3.75 | 0.09 | 74.46 |
| POR= 7 YRS | 1.65 | 1.30 | 2.79 | 2.01 | 2.18 | 10.77 | 9.24 | 11.38 | 10.45 | 2.16 | 2.79 | 1.92 | 58.64 |

WBAN : 12835

AVERAGE TEMPERATURE (°F) 2005 FORT MYERS, FL (FMY)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1998 | | | 67.7 | 73.6 | 79.6 | 84.5 | 84.0 | 83.8 | 81.6 | 78.7 | 73.5 | 69.8 | |
| 1999 | 66.4 | 65.7 | 67.2 | 75.4 | 77.1 | 80.2 | 82.6 | 83.1 | 81.1 | 77.0 | 69.8 | 65.4 | 74.3 |
| 2000 | 63.7 | 65.2 | 71.9 | 71.9 | 79.1 | 81.6 | 82.4 | 81.9 | 81.7 | 74.6 | 68.9 | 64.1 | 73.9 |
| 2001 | 58.7 | 71.5 | 69.9 | 73.6 | 77.4 | 81.8 | 82.0 | 82.6 | 79.4 | 76.1 | 71.4 | 68.9 | 74.4 |
| 2002 | 65.6 | 65.2 | 72.5 | 76.9 | 79.8 | 81.1 | 82.2 | 82.3 | 82.4 | 79.4 | 68.7 | 63.7 | 75.0 |
| 2003 | 58.0 | 67.8 | 74.9 | 73.6 | 80.5 | 82.1 | 83.0 | 82.4 | 81.8 | 78.5 | 73.5 | 62.6 | 74.9 |
| 2004 | 62.6 | 66.1 | 69.7 | 71.6 | 78.5 | 82.6 | 82.6 | 82.7 | 81.9 | 77.8 | 71.7 | 64.5 | 74.4 |
| 2005 | 64.9 | 66.0 | 68.0 | 70.8 | 77.4 | 80.4 | 84.0 | 84.4 | 82.6 | 77.4 | 72.5 | 64.3 | 74.4 |
| POR= 7 YRS | 62.9 | 66.8 | 70.3 | 73.4 | 78.6 | 81.8 | 83.0 | 82.9 | 81.6 | 77.5 | 71.3 | 65.4 | 74.6 |

HEATING DEGREE DAYS (base 65°F) 2005 FORT MYERS, FL (FMY)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1997-98 | | | | | | | | | 58 | 0 | 0 | 0 | |
| 1998-99 | 0 | 0 | 0 | 0 | 1 | 33 | 63 | 61 | 22 | 0 | 0 | 0 | 180 |
| 1999-00 | 0 | 0 | 0 | 0 | 7 | 72 | 99 | 66 | 0 | 1 | 0 | 0 | 245 |
| 2000-01 | 0 | 0 | 0 | 0 | 24 | 109 | 226 | 10 | 17 | 3 | 0 | 0 | 389 |
| 2001-02 | 0 | 0 | 0 | 4 | 0 | 45 | 104 | 53 | 11 | 0 | 0 | 0 | 217 |
| 2002-03 | 0 | 0 | 0 | 0 | 37 | 104 | 222 | 27 | 8 | 6 | 0 | 0 | 404 |
| 2003-04 | 0 | 0 | 0 | 0 | 13 | 113 | 116 | 61 | 10 | 4 | 0 | 0 | 317 |
| 2004-05 | 0 | 0 | 0 | 0 | 2 | 90 | 90 | 38 | 46 | 0 | 0 | 0 | 266 |
| 2005- | 0 | 0 | 0 | 4 | 6 | 82 | | | | | | | |

WBAN : 12835

COOLING DEGREE DAYS (base 65°F) 2005 FORT MYERS, FL (FMY)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1998 | | | 149 | 263 | 459 | 592 | 596 | 588 | 507 | 431 | 262 | 187 | |
| 1999 | 113 | 86 | 98 | 318 | 384 | 462 | 554 | 567 | 490 | 378 | 159 | 93 | 3702 |
| 2000 | 67 | 78 | 221 | 214 | 443 | 503 | 544 | 532 | 509 | 304 | 148 | 89 | 3652 |
| 2001 | 37 | 197 | 175 | 265 | 390 | 512 | 537 | 550 | 439 | 357 | 197 | 173 | 3829 |
| 2002 | 129 | 63 | 253 | 365 | 467 | 491 | 542 | 542 | 528 | 455 | 157 | 71 | 4063 |
| 2003 | 10 | 110 | 319 | 271 | 485 | 519 | 566 | 547 | 509 | 425 | 275 | 45 | 4081 |
| 2004 | 50 | 100 | 165 | 210 | 423 | 537 | 554 | 556 | 512 | 404 | 211 | 82 | 3804 |
| 2005 | 98 | 75 | 146 | 181 | 393 | 467 | 596 | 608 | 535 | 394 | 237 | 70 | 3800 |

SNOWFALL (inches) 2005 FORT MYERS, FL (FMY)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| | | | | | | | | | | | | | |
| POR= | | | | | | | | | | | | | |

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REFERENCE NOTES :

PAGE 1:
 THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).

PAGE 2 AND 3:
 H/C INDICATES HEATING AND COOLING DEGREE DAYS.
 RH INDICATES RELATIVE HUMIDITY
 W/O INDICATES WEATHER AND OBSTRUCTIONS
 S INDICATES SUNSHINE.
 PR INDICATES PRESSURE.
 CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS (OKTAS).

GENERAL:
 T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.
 + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.
 NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).
 ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.
 PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.
 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.
 WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.
 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.
 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.
 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.

GENERAL CONTINUED:
 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.
 WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.
 WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.
 RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.
 AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.
 SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.
 A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.
 DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.
 DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.
 WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.

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.

2005
FORT MYERS,
FLORIDA (FMY)

Located on the south bank of the Caloosahatchee River, about 15 miles from the Gulf of Mexico, Fort Myers has a climate characterized as subtropical, with temperature extremes of both summer and winter tempered by the marine influence of the Gulf.

Temperatures generally range from the low 60s in winter to the low 80s in summer. Winters are mild, with many bright, warm days and moderately cool nights. Occasional cold snaps bring temperatures in the 30s, but only rarely do temperatures drop into the 20s. Frost occurs in the farming areas on only a few occasions each year, and usually is light and scattered. In the summer, temperatures have reached 100 degrees, but these occurrences are very rare.

About two-thirds of annual precipitation occurs during June through September. There are frequent long periods during the winter when only very light, or no rain falls. Most rain during the summer occurs as late afternoon or early evening thunderstorms, which bring welcome cooling on hot summer days. These showers seldom last long, even though they yield large amounts of rain. Exceptions are during the late summer or fall when tropical storms or hurricanes may pass near the Fort Myers area. These may result in heavy downpours that may reach torrential proportions. Twenty-four-hour amounts of from 6 to over 10 inches may occur.

The prevailing wind direction is east and, except during the passage of tropical storms, high velocities are not experienced. During winter and spring there are usually a few days with 20 to 30 mph winds and thunderstorms are sometimes accompanied by strong gusts for brief periods. Winds approximating 100 mph have been experienced with the passage of hurricanes during the fall months.

Thunderstorms have occurred during every month, but are infrequent from November to April. From June through September they occur on 2 out of every 3 days on an average, and as a general rule, in the late afternoons or early evenings. Heavy fog is rather infrequent, occurring mostly in winter during the early mornings. There is seldom a day without sunshine at some time.

Relative humidity is high during the night, dropping off in the middle of the day.

STATION LOCATION

FORT MYERS, FLORIDA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|--|----------------------------------|---------------------------------|---|------------------|------------------|-----------------|-----------|-----------------|---------------------|--------------|-----------------|---------------|---------------|------------------|---|---------------------------------|--|
| | | | | | | GROUND | | | | | | | | | | | |
| | | | | | | SEA LEVEL | GROUND | WIND INSTRUMENT | EXTREME THERMOMETER | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | RAINING GAUGE | 8 INCH RAIN GAGE | HYGROMETER | | |
| *NOTE: <u>AIRPORT</u> FAA-WB Building + Page Field + FAA Building (Effective 3/15/76) | 12/7/59 | 10/01/95 | 3500 ft. SW | 26°35' | 81°52' | 13 c15 | 20 d20 | 5 j | 5 is | | | 5 f6 g3 | 3 | b4 e4 h4 | b. Commissioned 1980' NE of thermometer site 6/24/60. c. Effectie 6/24/60. d. Moved 325' SSE 11/7/65. e. Moved 325' SSE 11/18/65. f. Fischer-Porter raingage installed 9/1/75, operated by NWS. Weighing raingage removed 10/1/75. FAA observations effective 3/15/76. g. (see f) Minor move 12/15/83. h. Type change 12/15/85. i. Minor move 12/15/85. j. Removed 12/15/85. k. closed 10/95 l. Reopened 03/01/98 | | |
| Page Field | 10/01/95 03/01/98 06/10/98 | 03/01/98 06/10/98 Present | K 1 NA | 26°35' 26°35' | 81°52' 81°52' | m15 | | | | | | | | S | ASOS Commissioned 06/10/98 m. Ground Elevation | | |

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* NOTES: For earlier station history see previous editions.