

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration,
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and
World Agricultural Outlook Board

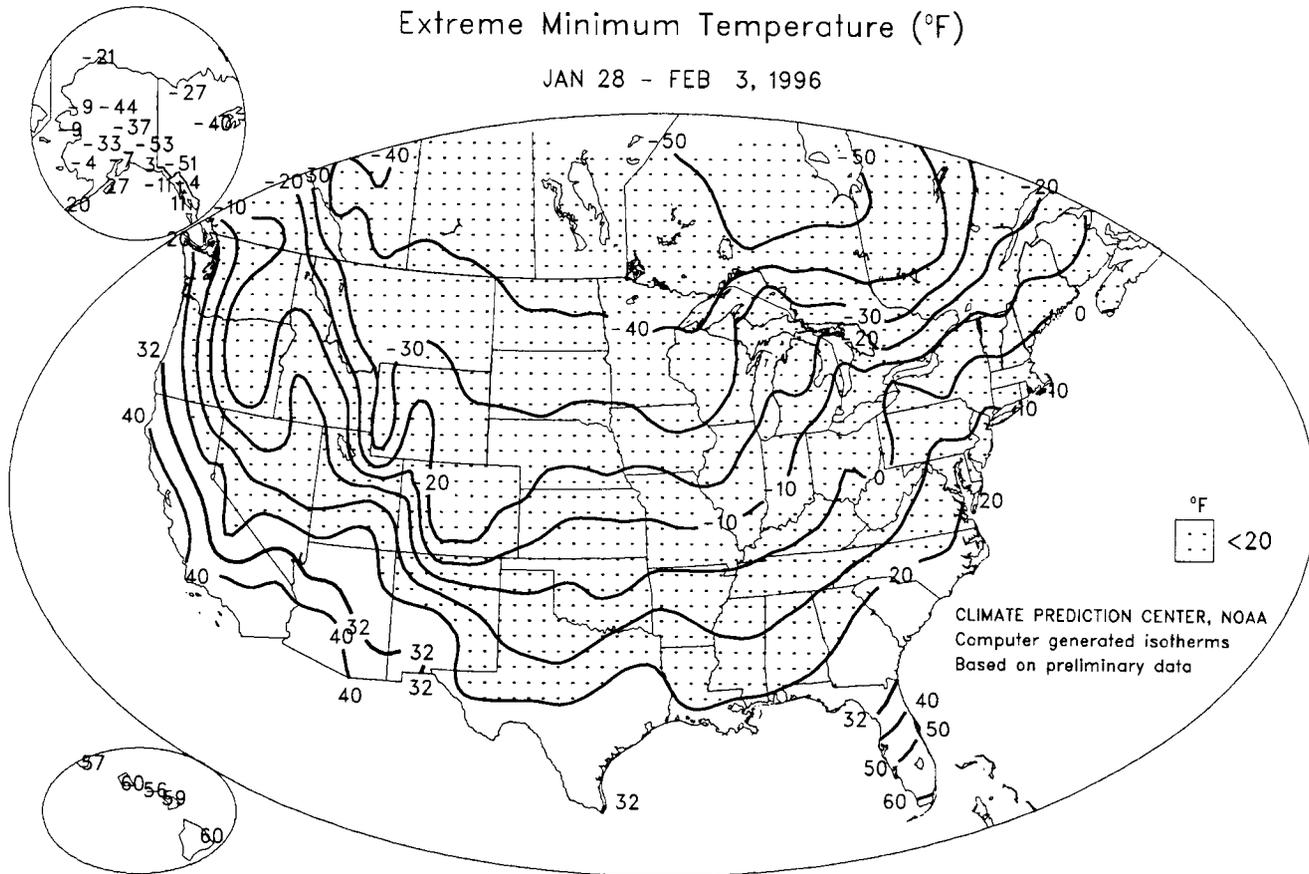
Volume 83, No. 5

Washington, D.C.

February 6, 1996

Extreme Minimum Temperature (°F)

JAN 28 - FEB 3, 1996



CLIMATE PREDICTION CENTER, NOAA
Computer generated isotherms
Based on preliminary data

HIGHLIGHTS

January 28 - February 3, 1996

Severe cold likely damaged the **central Plains'** already stressed and poorly insulated hard red winter wheat, as late-week temperatures bottomed out between -5 and -20°F. Possible damage occurred to the **Ohio Valley's** soft red winter wheat, where temperatures on February 3 and 4 fell to 0 to -20°F and snow cover amounted to an inch or less. Snow cover ranging from 3 to 15 inches largely insulated wheat in the **Northwest** and the **northern Plains** from lows that on Friday plunged to February records of -24°F in **Spokane, WA** and -38°F in **Glasgow, MT**. Farther south, late-week temperatures dipped to near freezing in **southern Texas' lower Rio Grande Valley**, while some areas from **central Texas to southern Middle Atlantic States** received damaging amounts of freezing rain. Meanwhile, snow blanketed a stripe from

(Continued on back cover)

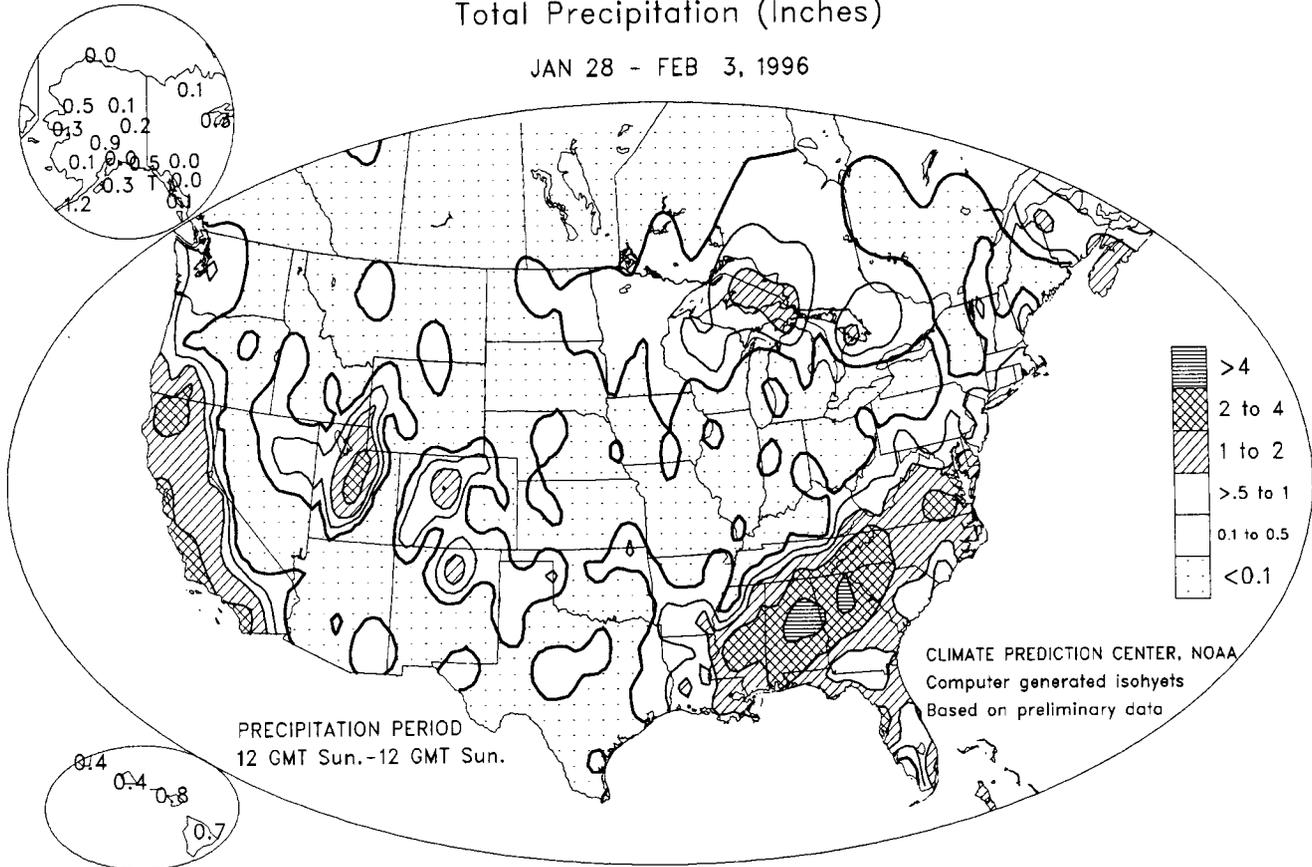
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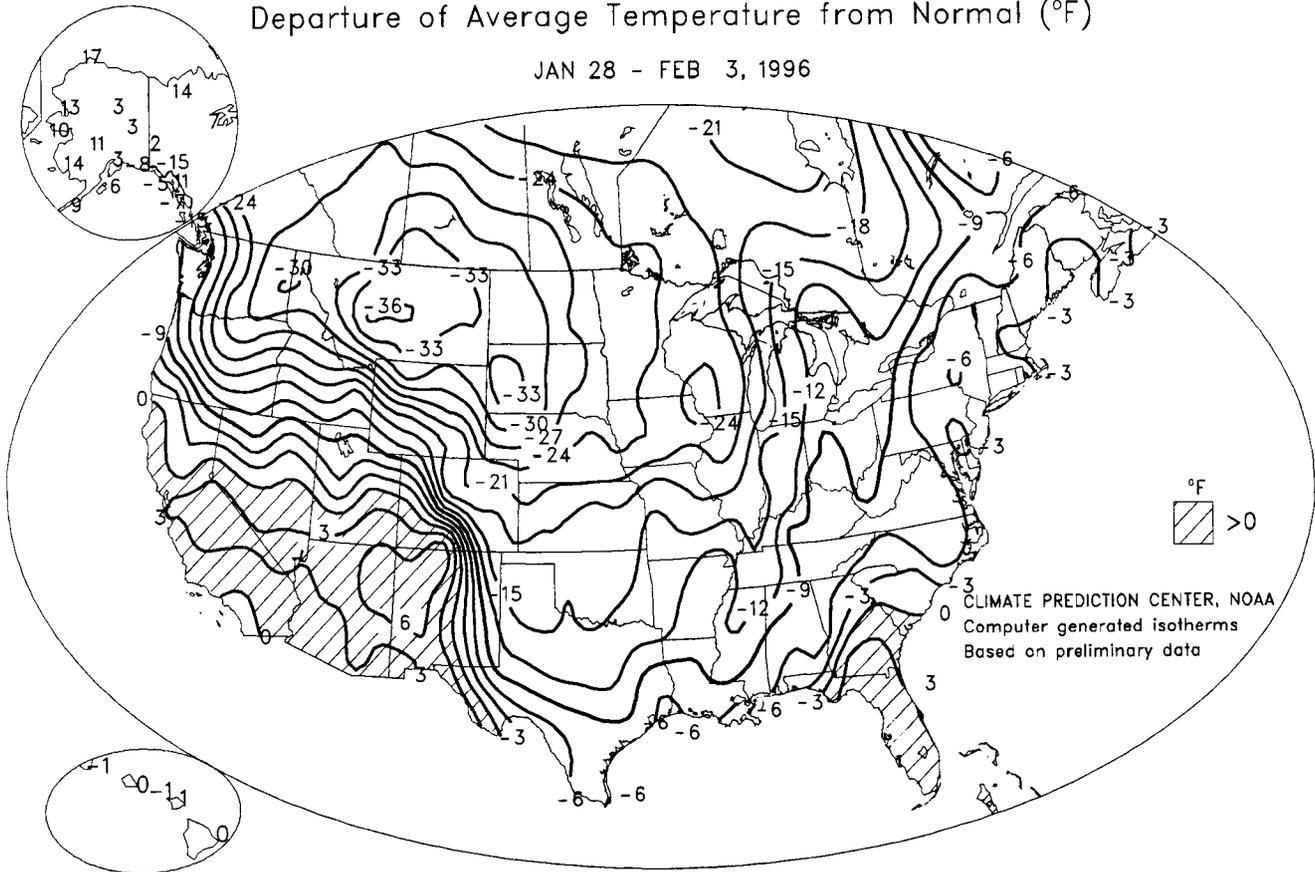
Total Precipitation (Inches)

JAN 28 - FEB 3, 1996



Departure of Average Temperature from Normal (°F)

JAN 28 - FEB 3, 1996



Record-Shattering Cold, January 30 - February 6, 1996

All-Time State Records:

| Location | Low/Date | Previous |
|---------------|-----------------|--|
| Tower, MN | -60°F on Feb. 2 | -59°F at Leech Lake Dam, Feb. 8, 1899 -59°F at Pokegama Dam, Feb. 2, 1903 |
| Elkader, IA | -47°F on Feb. 3 | -47°F at Washta, Jan. 12, 1912 |
| Elizabeth, IL | -35°F on Feb. 3 | -35°F at Mount Carroll, Jan. 22, 1930 |

All-Time Station Records:

| Location | Low/Date | Previous |
|------------------|-----------------|------------------------|
| Fayette, IA | -40°F on Feb. 3 | -38°F on Jan. 30, 1951 |
| Anamosa, IA | -37°F on Feb. 3 | -29°F on Jan. 2, 1979 |
| Marshalltown, IA | -35°F on Feb. 3 | -32°F on Mar. 1, 1962 |
| Indianola, IA | -35°F on Feb. 3 | -33°F on Feb. 9, 1979 |
| Muscatine, IA | -34°F on Feb. 3 | -32°F on Feb. 10, 1868 |
| Maquoketa, IA | -34°F on Feb. 3 | -32°F on Feb. 20, 1929 |
| Fairfield, IA | -31°F on Feb. 3 | -29°F on Jan. 22, 1930 |
| Bellevue, IA | -31°F on Feb. 3 | -30°F on Jan. 30, 1951 |
| Tipton, IA | -30°F on Feb. 3 | -30°F on Jan. 22, 1930 |
| Williamsburg, IA | -29°F on Feb. 3 | -28°F on Jan. 12, 1974 |
| Eldora, IA | -29°F on Feb. 3 | -27°F on Jan. 12, 1974 |
| Mt. Pleasant, IA | -27°F on Feb. 3 | -27°F on Feb. 13, 1905 |
| Milwaukee, WI | -26°F on Feb. 3 | -26°F on Jan. 17, 1982 |
| Muskegon, MI | -19°F on Feb. 4 | -15°F on Dec. 31, 1976 |
| Lynchburg, VA | -10°F on Feb. 5 | -10°F on Jan. 21, 1985 |

All-Time Barometric Pressure:

| Location | Pressure | Previous |
|-----------------|------------------|--------------------------|
| Baton Rouge, LA | 30.82" on Feb. 4 | not available, Dec. 1983 |
| Tallahassee, FL | 30.74" on Feb. 5 | 30.74" on Jan. 4, 1979 |
| Tampa, FL | 30.66" on Feb. 5 | 30.66" on Jan. 28, 1988 |

February-Record Barometric Pressure:

| Location | Pressure | Previous |
|------------------|------------------|------------------------|
| Lake Charles, LA | 30.79" on Feb. 4 | 30.78" in 1989 |
| New Orleans, LA | 30.79" on Feb. 4 | not available |
| Brownsville, TX | 30.79" on Feb. 4 | 30.74" on Feb. 2, 1951 |
| Mobile, AL | 30.78" on Feb. 4 | 30.74" in 1981 |

Selected February Records:

| Location | Low/Date | Previous |
|-----------------|--------------------|------------------------------|
| Int'l Falls, MN | -45°F on Feb. 2 | -44°F |
| St. Cloud, MN | -40°F on Feb. 2 | -35°F in 1899 and 1951 |
| Duluth, MN | -39°F on Feb. 2 | -36°F on Feb. 9, 1899 |
| Glasgow, MT | -38°F on Feb. 2 | -38°F on Feb. 2, 1936 |
| Waterloo, IA | -31°F on Feb. 2, 3 | -30°F in 1918 |
| Spokane, WA | -24°F on Feb. 2 | not available |
| Hastings, NE | -18°F on Feb. 2, 3 | -17°F on Feb. 11, 1981 |
| LaCrosse, WI | -36°F on Feb. 3 | -36°F in 1971 |
| Clinton, IA | -29°F on Feb. 3 | -28°F in 1899 |
| Madison, WI | -29°F on Feb. 3 | -28°F in 1899, 1959, 1985 |
| Moline, IL | -28°F on Feb. 3 | -25°F on Feb. 13, 1979 |
| Des Moines, IA | -26°F on Feb. 3 | -26°F on Feb. 2 and 13, 1905 |
| Meridian, MS | 8°F on Feb. 4, 5 | 8°F on Feb. 2, 1951 |
| Elkins, WV | -22°F on Feb. 5 | -22 in 1977 |
| Bristol, TN | -15°F on Feb. 5 | not available |
| Raleigh, NC | 0°F on Feb. 5 | 5°F on Feb. 2, 1971 |
| Greenville, SC | 8°F on Feb. 5 | 8°F on Feb. 25, 1967 |
| Florence, SC | 11°F on Feb. 5 | 12°F on Feb. 17 and 18, 1958 |
| New Orleans, LA | 16°F on Feb. 5 | 19°F in 1951 and 1970 |

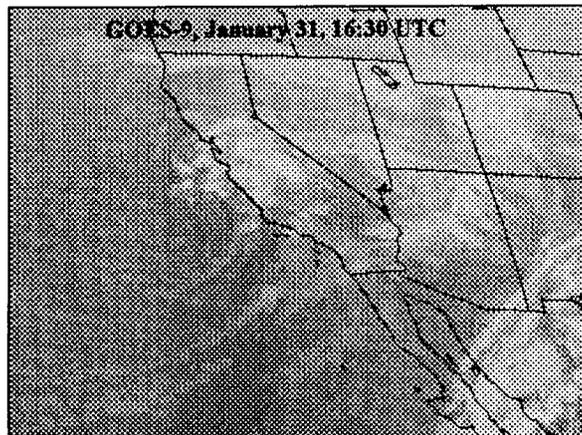
Consecutive Hours at or Below 0°F:

| Location | Hours | Previous |
|----------------|---------------------|------------------|
| Waterloo, IA | 139 (ending Feb. 4) | 129 in Jan. 1970 |
| Des Moines, IA | 132 (ending Feb. 4) | 115 in Dec. 1983 |

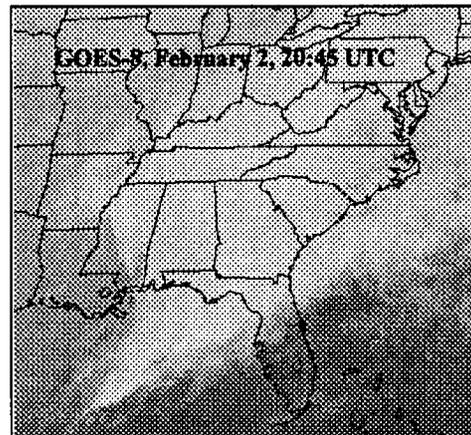
Coldest Since...

| Location | Temp./Date | Previous |
|--------------------|-----------------|------------------------------|
| Tulsa, OK | -11°F on Feb. 4 | -16°F on Jan. 22, 1930 |
| Rochester, MN | -35°F on Feb. 2 | -40°F on Jan. 30, 1951 |
| Madison, WI | -29°F on Feb. 3 | -30°F on Jan. 15, 1963 |
| Int'l Falls, MN | -45°F on Feb. 2 | -46°F in Jan. 1968 |
| Des Moines, IA* | -24°F on Feb. 2 | not available, Jan. 21, 1970 |
| Duluth, MN | -39°F on Feb. 2 | -39°F on Jan. 15, 1972 |
| Spokane, WA* | -22°F on Feb. 1 | not available, Dec. 31, 1978 |
| Jacksonville, FL | 19°F on Feb. 5 | 16°F on Jan. 10, 1986 |
| Salt Lake City, UT | -12°F on Feb. 3 | -14°F on Feb. 6, 1989 |
| Goodland, KS | -19°F on Feb. 3 | -27°F on Dec. 22, 1989 |
| Cincinnati, OH | -11°F on Feb. 4 | -24°F on Jan. 19, 1994 |

* In Spokane, the temperature fell to a February-record -24°F on February 2. Des Moines' lowest temperature during the outbreak, a February-record-tying -26°F, occurred on February 3.



Two days after a routine winter storm crossed southern California, the system's upper-level impulses joined with a powerful low-level Arctic intrusion to create a major snow-and-ice event across the Southeast.



National Weather Data for Selected Cities

Weather Data for the Week Ending February 3, 1996

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|---------|----------------|--------------------|--------------|--------------|---------------------|---------------------|---------|--|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Dec 1 | PCT. NORMAL SINCE Dec 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE | MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE | | |
| AL BIRMINGHAM | 44 | 27 | 61 | 12 | 36 | -6 | 2.46 | 1.35 | 1.69 | 16.29 | 152 | 11.52 | 206 | 94 | 45 | 0 | 0 | 5 | 6 | 1 | 1 | |
| MOBILE | 55 | 34 | 74 | 19 | 44 | -6 | 3.16 | 2.01 | 3.16 | 16.67 | 158 | 7.81 | 148 | 87 | 46 | 0 | 0 | 3 | 1 | 1 | 1 | |
| MONTGOMERY | 50 | 30 | 69 | 17 | 40 | -5 | 2.18 | 1.00 | 1.77 | 14.60 | 137 | 8.42 | 154 | 90 | 51 | 0 | 0 | 3 | 4 | 1 | 1 | |
| AK ANCHORAGE | 25 | 13 | 37 | -7 | 19 | 3 | 0.00 | -0.18 | 0.00 | 0.20 | 10 | 0.11 | 13 | 87 | 63 | 0 | 0 | 7 | 0 | 0 | 0 | |
| BARROW | 9 | -7 | 27 | -21 | 1 | 17 | 0.00 | -0.03 | 0.00 | 0.06 | 23 | 0.00 | 0 | 90 | 83 | 0 | 0 | 7 | 0 | 0 | 0 | |
| FAIRBANKS | 3 | -15 | 18 | -37 | -6 | 3 | 0.17 | 0.08 | 0.14 | 0.41 | 31 | 0.33 | 65 | 83 | 76 | 0 | 0 | 7 | 3 | 0 | 0 | |
| JUNEAU | 22 | 6 | 28 | -4 | 14 | -11 | 0.00 | -1.00 | 0.00 | 5.63 | 60 | 1.57 | 32 | 76 | 39 | 0 | 0 | 7 | 0 | 0 | 0 | |
| KODIAK | 39 | 33 | 41 | 27 | 36 | 6 | 0.26 | -1.28 | 0.15 | 14.57 | 98 | 3.14 | 39 | 95 | 75 | 0 | 0 | 2 | 3 | 0 | 0 | |
| NOME | 24 | 7 | 33 | -9 | 16 | 10 | 0.29 | 0.12 | 0.29 | 1.50 | 87 | 0.91 | 105 | 98 | 93 | 0 | 0 | 7 | 1 | 0 | 0 | |
| AZ PHOENIX | 68 | 48 | 71 | 42 | 58 | 3 | 0.59 | 0.45 | 0.51 | 0.77 | 45 | 0.76 | 104 | 51 | 13 | 0 | 0 | 0 | 2 | 1 | 1 | |
| PRESCOTT | 55 | 32 | 61 | 26 | 44 | 6 | 0.20 | -0.14 | 0.20 | 0.49 | 15 | 0.32 | 19 | 87 | 35 | 0 | 0 | 3 | 1 | 0 | 0 | |
| TUCSON | 69 | 44 | 78 | 36 | 56 | 4 | 0.28 | 0.10 | 0.28 | 0.52 | 26 | 0.29 | 31 | 36 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | |
| YUMA | 71 | 50 | 74 | 47 | 60 | 2 | 0.16 | 0.10 | 0.16 | 0.18 | 22 | 0.16 | 43 | 59 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | |
| AR FORT SMITH | 36 | 20 | 56 | 7 | 28 | -10 | 0.00 | -0.46 | 0.00 | 7.21 | 139 | 3.05 | 143 | 80 | 35 | 0 | 0 | 6 | 0 | 0 | 0 | |
| LITTLE ROCK | - | - | - | - | - | - | 0.06 | -0.63 | - | 6.59 | 91 | 2.61 | 74 | - | - | 0 | 0 | - | - | - | - | |
| CA BAKERSFIELD | 62 | 44 | 69 | 38 | 53 | 3 | 0.26 | 0.03 | 0.21 | 3.11 | 197 | 1.08 | 113 | 96 | 55 | 0 | 0 | 0 | 2 | 0 | 0 | |
| SUREKA | 56 | 44 | 65 | 38 | 50 | 2 | 0.74 | -0.51 | 0.46 | 22.31 | 177 | 10.74 | 164 | 92 | 43 | 0 | 0 | 0 | 4 | 0 | 1 | |
| FRESNO | 60 | 45 | 65 | 38 | 52 | 4 | 0.86 | 0.41 | 0.86 | 3.88 | 108 | 2.02 | 93 | 96 | 19 | 0 | 0 | 0 | 1 | 1 | 1 | |
| LOS ANGELES | 62 | 52 | 63 | 50 | 57 | 0 | 1.71 | 1.11 | 1.27 | 4.48 | 104 | 2.31 | 87 | 96 | 37 | 0 | 0 | 0 | 4 | 1 | 1 | |
| REDDING | 54 | 39 | 62 | 28 | 47 | -2 | 0.71 | -0.55 | 0.36 | 20.83 | 172 | 10.02 | 152 | 99 | 76 | 0 | 0 | 1 | 3 | 0 | 0 | |
| SACRAMENTO | 57 | 45 | 62 | 39 | 51 | 3 | 0.82 | 0.00 | - | 8.49 | 129 | 3.35 | 82 | 95 | 62 | 0 | 0 | 0 | 4 | 1 | 1 | |
| SAN DIEGO | 61 | 53 | 63 | 48 | 57 | -1 | 1.15 | 0.76 | 0.96 | 2.54 | 71 | 1.66 | 84 | 91 | 35 | 0 | 0 | 0 | 4 | 1 | 1 | |
| SAN FRANCISCO | 56 | 48 | 59 | 42 | 52 | 1 | 2.85 | 1.92 | 1.74 | 13.69 | 175 | 7.27 | 153 | 88 | 51 | 0 | 0 | 0 | 3 | 2 | 0 | |
| CO DENVER | 22 | -3 | 49 | -16 | 9 | -22 | 0.05 | -0.06 | 0.05 | 0.28 | 24 | 0.24 | 44 | 76 | 38 | 0 | 0 | 7 | 1 | 0 | 0 | |
| GRAND JUNCTION | 41 | 23 | 44 | 13 | 32 | 1 | 0.32 | 0.21 | 0.24 | 1.26 | 102 | 0.71 | 127 | 76 | 37 | 0 | 0 | 6 | 3 | 0 | 0 | |
| PUEBLO | 27 | -4 | 55 | -26 | 11 | -20 | 0.02 | -0.04 | 0.02 | 0.26 | 34 | 0.26 | 76 | 72 | 26 | 0 | 0 | 7 | 1 | 0 | 0 | |
| CT BRIDGEPORT | 30 | 19 | 39 | 9 | 25 | -4 | 0.16 | -0.55 | 0.08 | 7.79 | 110 | 5.85 | 164 | 70 | 45 | 0 | 0 | 7 | 3 | 0 | 0 | |
| HARTFORD | 29 | 13 | 41 | 4 | 21 | -3 | 0.74 | -0.02 | 0.51 | 9.94 | 130 | 7.62 | 203 | 82 | 43 | 0 | 0 | 7 | 4 | 1 | 1 | |
| DC WASHINGTON | 35 | 24 | 49 | 15 | 29 | -6 | 0.76 | 0.14 | 0.55 | 7.94 | 130 | 5.77 | 192 | 76 | 42 | 0 | 0 | 7 | 2 | 1 | 1 | |
| FL PANAMA CITY | 63 | 40 | 71 | 24 | 51 | 0 | 1.27 | 0.05 | 1.27 | 4.87 | 47 | 2.66 | 47 | 89 | 53 | 0 | 0 | 2 | 1 | 1 | 1 | |
| DAYTONA BEACH | 65 | 43 | 80 | 1 | 54 | -3 | 0.69 | -0.01 | 0.69 | 5.69 | 101 | 2.25 | 73 | 91 | 56 | 0 | 0 | 1 | 1 | 1 | 1 | |
| JACKSONVILLE | 70 | 46 | 79 | 30 | 58 | 3 | 0.57 | -0.26 | 0.48 | 3.84 | 60 | 1.65 | 47 | 90 | 47 | 0 | 0 | 1 | 3 | 0 | 0 | |
| KEY WEST | 80 | 67 | 84 | 63 | 74 | 4 | 0.18 | -0.27 | 0.12 | 3.99 | 94 | 1.06 | 48 | 91 | 69 | 0 | 0 | 0 | 2 | 0 | 0 | |
| MIAMI | 80 | 65 | 83 | 57 | 73 | 5 | 1.21 | 0.73 | 0.93 | 3.46 | 85 | 2.61 | 117 | 91 | 66 | 0 | 0 | 0 | 2 | 1 | 1 | |
| ORLANDO | 77 | 53 | 85 | 43 | 65 | 6 | 1.43 | 0.81 | 0.93 | 7.56 | 159 | 6.81 | 263 | 91 | 47 | 0 | 0 | 0 | 2 | 2 | 2 | |
| TALLAHASSEE | 67 | 41 | 78 | 27 | 54 | 3 | 1.18 | -0.00 | 1.12 | 7.85 | 76 | 4.07 | 76 | 82 | 49 | 0 | 0 | 2 | 2 | 1 | 1 | |
| TAMPA | 75 | 55 | 80 | 42 | 65 | 5 | 0.75 | 0.17 | 0.63 | 5.95 | 135 | 4.93 | 218 | 82 | 51 | 0 | 0 | 0 | 2 | 1 | 1 | |
| WEST PALM BEACH | 79 | 63 | 82 | 56 | 71 | 5 | 0.28 | -0.36 | 0.28 | 3.21 | 64 | 1.64 | 59 | 86 | 65 | 0 | 0 | 0 | 1 | 0 | 0 | |
| GA ATLANTA | 44 | 27 | 57 | 12 | 36 | -6 | 3.84 | 2.73 | 2.66 | 14.55 | 152 | 11.00 | 210 | 75 | 40 | 0 | 0 | 6 | 4 | 2 | 2 | |
| AUGUSTA | 53 | 36 | 69 | 22 | 45 | 0 | 0.95 | -0.02 | 0.79 | 8.80 | 112 | 4.28 | 96 | 79 | 42 | 0 | 0 | 2 | 7 | 1 | 0 | |
| Macon | 53 | 33 | 65 | 24 | 43 | -3 | 1.34 | 0.25 | 1.10 | 6.22 | 67 | 3.86 | 76 | 80 | 48 | 0 | 0 | 2 | 2 | 1 | 1 | |
| SAVANNAH | 63 | 42 | 72 | 30 | 52 | 3 | 1.29 | 0.49 | 0.81 | 3.73 | 54 | 2.84 | 72 | 83 | 49 | 0 | 0 | 1 | 4 | 1 | 1 | |
| HI HILO | 79 | 64 | 84 | 60 | 72 | 0 | 0.70 | -1.54 | 0.38 | 18.39 | 80 | 14.29 | 131 | 82 | 65 | 0 | 0 | 0 | 4 | 0 | 0 | |
| HONOLULU | 81 | 65 | 84 | 60 | 73 | 0 | 0.38 | -0.29 | 0.21 | 3.54 | 46 | 3.54 | 92 | 75 | 52 | 0 | 0 | 0 | 2 | 3 | 0 | |
| KAHULUI | 80 | 65 | 84 | 59 | 73 | 1 | 0.82 | -0.04 | 0.47 | 3.70 | 48 | 1.58 | 35 | 81 | 66 | 0 | 0 | 0 | 2 | 0 | 0 | |
| LIHUE | 77 | 63 | 81 | 57 | 70 | -1 | 0.43 | -0.67 | 0.41 | 11.93 | 104 | 5.16 | 82 | 77 | 59 | 0 | 0 | 0 | 2 | 0 | 0 | |
| ID BOISE | 24 | 12 | 38 | 1 | 18 | -14 | 0.06 | -0.24 | 0.06 | 3.11 | 107 | 0.97 | 62 | 96 | 68 | 0 | 0 | 7 | 1 | 0 | 0 | |
| LEWISTON | 14 | 3 | 35 | -4 | 9 | -27 | 0.00 | -0.26 | 0.00 | 2.63 | 101 | 1.36 | 98 | 92 | 64 | 0 | 0 | 7 | 0 | 0 | 0 | |
| POCATELLO | 20 | 3 | 34 | -9 | 12 | -14 | 0.15 | -0.07 | 0.15 | 3.12 | 139 | 1.15 | 101 | 88 | 53 | 0 | 0 | 7 | 1 | 0 | 0 | |
| IL CHICAGO | 11 | -7 | 32 | -19 | 2 | -19 | 0.01 | -0.27 | 0.01 | 2.13 | 52 | 1.53 | 92 | 77 | 47 | 0 | 0 | 7 | 1 | 0 | 0 | |
| MOLINE | 6 | -15 | 34 | -28 | -4 | -25 | 0.00 | -0.26 | 0.00 | 2.77 | 71 | 2.30 | 139 | 75 | 56 | 0 | 0 | 7 | 0 | 0 | 0 | |
| PEORIA | 12 | -7 | 37 | -19 | 2 | -20 | 0.00 | -0.29 | 0.00 | 1.76 | 43 | 1.44 | 88 | 71 | 54 | 0 | 0 | 7 | 0 | 0 | 0 | |
| QUINCY | 15 | -5 | 37 | -18 | 5 | -20 | 0.02 | -0.24 | 0.02 | 1.74 | 46 | 1.52 | 103 | 78 | 52 | 0 | 0 | 7 | 1 | 0 | 0 | |
| ROCKFORD | 4 | -12 | 29 | -24 | -4 | -23 | 0.04 | -0.21 | 0.04 | 1.87 | 54 | 1.40 | 101 | 82 | 57 | 0 | 0 | 7 | 1 | 0 | 0 | |
| SPRINGFIELD | 14 | -4 | 39 | -19 | 5 | -20 | 0.16 | -0.16 | 0.16 | 2.82 | 64 | 1.49 | 89 | 76 | 46 | 0 | 0 | 7 | 1 | 0 | 0 | |
| IN EVANSVILLE | 25 | 9 | 48 | -6 | 17 | -16 | 0.03 | -0.66 | 0.03 | 6.70 | 94 | 3.51 | 106 | 81 | 41 | 0 | 0 | 7 | 1 | 0 | 0 | |
| FORT WAYNE | 18 | 2 | 39 | -9 | 10 | -12 | 0.07 | -0.32 | 0.04 | 3.75 | 76 | 2.51 | 122 | 84 | 52 | 0 | 0 | 7 | 2 | 0 | 0 | |
| INDIANAPOLIS | 17 | 3 | 41 | -11 | 10 | -16 | 0.13 | -0.36 | 0.13 | 6.59 | 112 | 3.88 | 153 | 74 | 42 | 0 | 0 | 7 | 1 | 0 | 0 | |
| SOUTH BEND | 15 | -1 | 34 | -13 | 7 | -16 | 0.08 | -0.35 | 0.04 | 3.55 | 62 | 1.66 | 69 | 78 | 50 | 0 | 0 | 7 | 2 | 0 | 0 | |
| IA DES MOINES | 5 | -14 | 36 | -26 | -5 | -25 | 0.02 | -0.17 | 0.02 | 0.99 | 41 | 0.99 | 95 | 80 | 58 | 0 | 0 | 7 | 1 | 0 | 0 | |
| SIOUX CITY | 7 | -14 | 35 | -23 | -4 | -23 | 0.02 | -0.09 | 0.02 | 1.30 | 95 | 0.99 | 168 | 74 | 63 | 0 | 0 | 7 | 1 | 0 | 0 | |
| WATERLOO | 2 | -20 | 30 | -31 | -9 | -25 | 0.00 | -0.18 | 0.00 | 2.35 | 108 | 2.19 | 252 | 81 | 61 | 0 | 0 | 7 | 0 | 0 | 0 | |
| KS CONCORDIA | 17 | -3 | 49 | -14 | 7 | -20 | 0.00 | -0.11 | 0.00 | 0.82 | 57 | 0.56 | 92 | 70 | 47 | 0 | 0 | 7 | 0 | 0 | 0 | |
| DODGE CITY | 24 | 2 | 65 | -9 | 13 | -19 | 0.05 | -0.06 | 0.05 | 1.05 | 88 | 0.46 | 85 | 61 | 28 | 0 | 0 | 7 | 1 | 0 | 0 | |
| GOODLAND | 19 | -6 | 58 | -19 | 7 | -23 | 0.08 | 0.01 | 0.08 | 0.40 | 49 | 0.26 | 65 | 62 | 36 | 0 | 0 | 7 | 0 | 0 | 0 | |
| TOPEKA | 18 | 2 | 49 | -11 | 10 | -18 | 0.00 | -0.19 | 0.00 | 1.35 | 55 | 0.76 | 74 | 65 | 42 | 0 | 0 | 7 | 0 | 0 | 0 | |
| WICHITA | 23 | 6 | 55 | -5 | 14 | -17 | 0.00 | -0.19 | 0.00 | 0.72 | 31 | 0.09 | 9 | 56 | 37 | 0 | 0 | 7 | 0 | 0 | 0 | |
| KY BOWLING GREEN | 39 | 23 | 63 | 2 | 31 | -2 | 2.60 | 1.73 | 2.60 | 8.13 | 88 | 5.77 | 136 | 88 | 53 | 0 | 0 | 5 | 1 | 1 | 1 | |
| LEXINGTON | 26 | 13 | 48 | -4 | 20 | -11 | 0.09 | -0.56 | 0.07 | 7.32 | 102 | 4.60 | 146 | 75 | 40 | 0 | 0 | 7 | 2 | 0 | 0 | |
| LOUISVILLE | 27 | 13 | 51 | -1 | 20 | -12 | 0.00 | -0.67 | 0.00 | 7.50 | 110 | 4.19 | 132 | 73 | 35 | 0 | 0 | 7 | 0 | 0 | 0 | |
| LA BATON ROUGE | 52 | 35 | 75 | 12 | 43 | -7 | 0.11 | -1.12 | 0.06 | 7.49 | 68 | 2.19 | 40 | 92 | 62 | 0 | 0 | 3 | 3 | 0 | 0 | |
| LAKE CHARLES | 51 | 37 | 72 | 20 | 44 | -7 | 0.51 | -0.44 | | | | | | | | | | | | | | |

Weather Data for the Week Ending February 3, 1996

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | | | | | | |
|---------------------------|----------------|---------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|-------------------------|-------------------------|----------------------------|-------------------------|----------------|---------|-----------------|--------------|--------------|------------------|------------------|---------|--|
| | AVERAGE | MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Dec 1 | PCT. NORMAL SINCE Dec 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE | MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | TEMP. °F | | PRECIP. | |
| | | | | | | | | | | | | | | | | | | | | .01 INCH OR MORE | .50 INCH OR MORE | | |
| ME CARIBOO | 13 | -6 | 28 | -20 | 3 | -5 | 0.67 | 0.19 | 0.34 | 5.85 | 100 | 4.05 | 154 | 87 | 69 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| PORTLAND | 27 | 10 | 39 | -2 | 19 | -2 | 0.19 | -0.59 | 0.19 | 9.13 | 108 | 4.99 | 128 | 91 | 41 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| MD BALTIMORE | 36 | 22 | 52 | 16 | 29 | -3 | 0.71 | -0.00 | 0.47 | 10.19 | 150 | 7.51 | 222 | 77 | 43 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| SALISBURY | 36 | 23 | 51 | 16 | 30 | -5 | 0.38 | -0.43 | 0.16 | 6.81 | 89 | 4.13 | 103 | 92 | 56 | 0 | 7 | 4 | 4 | 0 | 0 | 0 | |
| MA BOSTON | 32 | 19 | 43 | 9 | 25 | -3 | 0.56 | -0.27 | 0.37 | 11.05 | 138 | 7.86 | 198 | 78 | 35 | 0 | 7 | 4 | 4 | 0 | 0 | 0 | |
| CHATHAM | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| MI ALPENA | 13 | -6 | 31 | -22 | 4 | -13 | 0.17 | -0.14 | 0.17 | 2.78 | 73 | 1.42 | 80 | 86 | 55 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| DETROIT | 19 | 4 | 39 | -7 | 12 | -11 | 0.05 | -0.30 | 0.05 | 2.72 | 57 | 1.85 | 96 | 79 | 49 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| FLINT | 15 | 0 | 33 | -11 | 7 | -14 | 0.02 | -0.26 | 0.02 | 3.22 | 89 | 2.07 | 137 | 81 | 59 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| GRAND RAPIDS | 13 | -1 | 30 | -17 | 6 | -15 | 0.13 | -0.20 | 0.13 | 2.72 | 57 | 1.18 | 60 | 91 | 61 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| HOGHTON LAKE | 12 | -9 | 29 | -31 | 2 | -14 | 0.17 | -0.11 | 0.15 | 3.09 | 87 | 1.71 | 106 | 88 | 64 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| LANSING | 15 | -1 | 32 | -13 | 7 | -12 | 0.03 | -0.25 | 0.03 | 2.33 | 64 | 1.26 | 79 | 84 | 60 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| MARQUETTE | 5 | -17 | 27 | -31 | -6 | -18 | 0.54 | -0.11 | 0.54 | 7.70 | 156 | 5.22 | 222 | 86 | 54 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| MUSKOGON | 13 | 1 | 32 | -19 | 7 | -16 | 0.32 | -0.09 | 0.13 | 3.49 | 63 | 1.60 | 64 | 88 | 59 | 0 | 7 | 4 | 6 | 1 | 0 | 0 | |
| SAULT ST. MARIE | 8 | -11 | 26 | -27 | -2 | -14 | 1.49 | 1.02 | 0.95 | 10.36 | 188 | 4.10 | 156 | 84 | 62 | 0 | 7 | 4 | 6 | 1 | 0 | 0 | |
| MN ALEXANDRIA | -7 | -27 | 10 | -38 | -17 | -25 | 0.13 | -0.05 | 0.13 | 1.22 | 71 | 0.50 | 49 | 85 | 62 | 0 | 7 | 1 | 1 | 0 | 0 | 0 | |
| DULUTH | -5 | -26 | 16 | -39 | -15 | -23 | 0.26 | 0.04 | 0.16 | 2.89 | 112 | 1.35 | 103 | 81 | 51 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| INT'L FALLS | -12 | -33 | -2 | -45 | -33 | -25 | 0.29 | 0.11 | 0.15 | 3.04 | 168 | 1.78 | 185 | 76 | 65 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| MINNEAPOLIS | 0 | -21 | 21 | -32 | -11 | -24 | 0.21 | 0.02 | 0.12 | 3.01 | 144 | 1.86 | 182 | 78 | 55 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| ROCHESTER | -2 | -23 | 24 | -35 | -12 | -25 | 0.02 | -0.13 | 0.02 | 2.63 | 141 | 2.00 | 238 | 86 | 74 | 0 | 7 | 1 | 2 | 0 | 0 | 0 | |
| MS GREENWOOD | 37 | 22 | 58 | -4 | 30 | -14 | 0.77 | -0.27 | 0.51 | 8.95 | 80 | 3.16 | 59 | 90 | 53 | 0 | 7 | 2 | 2 | 0 | 0 | 0 | |
| JACKSON | 44 | 27 | 74 | 13 | 35 | -9 | 2.41 | 1.25 | 1.38 | 15.27 | 125 | 9.83 | 164 | 94 | 55 | 0 | 6 | 4 | 2 | 1 | 0 | 0 | |
| MERIDIAN | 47 | 30 | 71 | 13 | 38 | -8 | 2.79 | 1.61 | 1.46 | 8.09 | 69 | 5.18 | 91 | 99 | 51 | 0 | 5 | 4 | 2 | 2 | 0 | 0 | |
| MO CAPE GIRARDEAU | 29 | 15 | 48 | -5 | 22 | -10 | 0.18 | -0.46 | 0.16 | 7.29 | 96 | 3.62 | 113 | 89 | 52 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | |
| COLUMBIA | 20 | 2 | 41 | -13 | 11 | -16 | 0.00 | -0.33 | 0.00 | 4.08 | 95 | 2.46 | 149 | 73 | 47 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| KANSAS CITY | 17 | 1 | 45 | -12 | 9 | -18 | 0.00 | -0.22 | 0.00 | 1.40 | 51 | 1.04 | 87 | 70 | 50 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| SAINT LOUIS | 21 | 4 | 43 | -12 | 13 | -17 | 0.02 | -0.36 | 0.01 | 6.13 | 122 | 3.28 | 166 | 67 | 42 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| SPRINGFIELD | 25 | 9 | 46 | -6 | 17 | -15 | 0.00 | -0.36 | 0.00 | 5.05 | 111 | 2.57 | 138 | 74 | 33 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| MT BILLINGS | 2 | -18 | 15 | -28 | -8 | -33 | 0.12 | -0.06 | 0.12 | 1.17 | 66 | 0.82 | 83 | 77 | 58 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| GLASGOW | -15 | -33 | -7 | -40 | -24 | -36 | 0.03 | -0.05 | 0.00 | 0.88 | 114 | 0.50 | 123 | 86 | 69 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| GREAT FALLS | 0 | -26 | 23 | -35 | -13 | -36 | 0.05 | -0.11 | 0.05 | 0.52 | 29 | 0.40 | 41 | 90 | 55 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| HAYRE | -7 | -30 | 9 | -41 | -18 | -35 | 0.04 | -0.06 | 0.04 | 1.33 | 119 | 0.82 | 141 | 70 | 55 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| HELENA | -11 | -31 | -3 | -42 | -21 | -43 | 0.00 | -0.12 | 0.00 | 0.81 | 64 | 0.47 | 69 | 72 | 61 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| KALISPELL | -2 | -17 | 7 | -24 | -7 | -30 | 0.00 | -0.31 | 0.00 | 3.84 | 113 | 1.63 | 98 | 75 | 56 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| MILES CITY | -1 | -24 | 12 | -37 | -13 | -31 | 0.08 | -0.03 | 0.08 | 1.46 | 121 | 1.19 | 198 | 79 | 57 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| MISSOULA | 4 | -17 | 11 | -27 | -6 | -32 | 0.19 | -0.05 | 0.13 | 3.67 | 147 | 2.06 | 153 | 79 | 50 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | |
| NE GRAND ISLAND | 11 | -12 | 41 | -19 | 0 | -24 | 0.04 | -0.07 | 0.04 | 1.34 | 107 | 1.08 | 200 | 74 | 54 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| LINCOLN | 11 | -11 | 42 | -22 | 0 | -22 | 0.05 | -0.06 | 0.05 | 1.28 | 88 | 1.02 | 176 | 77 | 49 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| NORFOLK | 9 | -15 | 38 | -23 | -3 | -24 | 0.04 | -0.07 | 0.04 | 1.37 | 105 | 0.90 | 161 | 72 | 53 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| NORTH PLATTE | 15 | -11 | 40 | -20 | 2 | -21 | 0.02 | -0.06 | 0.02 | 0.50 | 57 | 0.50 | 125 | 76 | 48 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| OMAHA | 8 | -13 | 39 | -23 | -2 | -25 | 0.08 | -0.06 | 0.00 | 1.89 | 104 | 1.35 | 169 | 80 | 55 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| SCOTTSSBLUFF | 11 | -13 | 27 | -20 | -1 | -28 | 0.03 | -0.07 | 0.03 | 1.33 | 121 | 0.78 | 150 | 83 | 63 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| VALENTINE | 6 | -21 | 17 | -29 | -8 | -31 | 0.00 | -0.11 | 0.00 | 0.59 | 60 | 0.53 | 113 | 75 | 54 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| NV ELY | 38 | 15 | 42 | 5 | 27 | 0 | 0.04 | -0.11 | 0.04 | 0.93 | 61 | 0.47 | 59 | 76 | 36 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| LAS VEGAS | 59 | 43 | 63 | 38 | 51 | 3 | 0.12 | 0.01 | 0.12 | 0.14 | 16 | 0.13 | 24 | 52 | 17 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| RENO | 45 | 31 | 49 | 24 | 38 | 3 | 0.00 | -0.26 | 0.00 | 3.57 | 163 | 1.33 | 109 | 84 | 31 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | |
| WINNEVOCCA | 30 | 15 | 39 | -2 | 22 | -10 | 0.12 | -0.03 | 0.12 | 3.26 | 192 | 1.65 | 204 | 88 | 53 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| NH CONCORD | 27 | 9 | 40 | 0 | 18 | -1 | 0.20 | -0.37 | 0.12 | 6.92 | 116 | 4.95 | 178 | 81 | 38 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| NJ ATLANTIC CITY | 34 | 19 | 49 | 12 | 27 | -4 | 0.34 | -0.42 | 0.30 | 5.75 | 81 | 4.25 | 112 | 80 | 45 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| NM ALBUQUERQUE | 52 | 29 | 62 | 17 | 41 | 4 | 0.19 | 0.08 | 0.18 | 0.52 | 51 | 0.36 | 67 | 43 | 15 | 0 | 6 | 2 | 0 | 0 | 0 | 0 | |
| CLOVIS | 39 | 14 | 63 | 6 | 27 | -11 | 0.21 | 0.12 | 0.11 | 0.56 | 58 | 0.36 | 88 | 67 | 32 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| ROSWELL | 51 | 25 | 80 | 18 | 38 | -3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| NY ALBANY | 25 | 12 | 38 | 3 | 18 | -2 | 0.00 | -0.52 | 0.00 | 3.89 | 70 | 2.48 | 96 | 81 | 44 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | |
| BINGHAMTON | 19 | 7 | 33 | -1 | 13 | -7 | 0.04 | -0.48 | 0.04 | 3.56 | 63 | 2.57 | 97 | 80 | 47 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| BUFFALO | 20 | 8 | 38 | 1 | 14 | -9 | 0.04 | -0.52 | 0.04 | 6.26 | 95 | 2.59 | 88 | 77 | 58 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| NEW YORK | 34 | 23 | 44 | 15 | 29 | -2 | 0.39 | -0.28 | 0.31 | 6.65 | 99 | 4.48 | 135 | 66 | 33 | 0 | 6 | 3 | 0 | 0 | 0 | 0 | |
| ROCHESTER | 22 | 8 | 35 | 0 | 15 | -8 | 0.04 | -0.43 | 0.04 | 4.72 | 94 | 3.22 | 141 | 79 | 59 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| SYRACUSE | 23 | 9 | 36 | 1 | 16 | -6 | 0.05 | -0.44 | 0.05 | 5.09 | 88 | 3.20 | 125 | 80 | 50 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| NC ASHEVILLE | 38 | 25 | 48 | 10 | 32 | -5 | 1.89 | 0.96 | 1.73 | 10.52 | 120 | 9.11 | 210 | 75 | 44 | 0 | 6 | 3 | 1 | 1 | 0 | 0 | |
| CHARLOTTE | 38 | 29 | 47 | 20 | 34 | -6 | 2.11 | 1.23 | 1.73 | 7.13 | 94 | 5.91 | 144 | 79 | 41 | 0 | 4 | 6 | 1 | 1 | 0 | 0 | |
| GREENSBORO | 35 | 26 | 44 | 16 | 30 | -7 | 1.30 | 0.55 | 1.28 | 7.05 | 102 | 5.67 | 161 | 82 | 50 | 0 | 6 | 2 | 1 | 1 | 0 | 0 | |
| HATTERAS | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| NEW BERN | 45 | 33 | 55 | 24 | 39 | -5 | 1.33 | 0.30 | 0.69 | 6.34 | 75 | 4.78 | 100 | 87 | 64 | 0 | 3 | 3 | 2 | 1 | 0 | 0 | |
| RALEIGH | 38 | 28 | 46 | 18 | 33 | -7 | 1.53 | 0.69 | 1.33 | 7.46 | 105 | 5.57 | 144 | 76 | 46 | 0 | 5 | 4 | 1 | 1 | 0 | 0 | |
| WILMINGTON | 50 | 34 | 62 | 23 | 42 | -2 | 0.15 | -0.93 | 0.09 | 5.14 | 55 | 3.07 | 59 | 94 | 61 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | |
| ND BISMARCK | -12 | -30 | -5 | -37 | -21 | -32 | 0.19 | 0.10 | 0.19 | 1.50 | 152 | 0.94 | 188 | 72 | 63 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| FARGO | -14 | -28 | -1 | -39 | -21 | -28 | 0.24 | 0.11 | 0.24 | 2.57 | 188 | 1.82 | 249 | 73 | 65 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| GRAND FORKS | -9 | -27 | 16 | -40 | -18 | -24 | 0.19 | 0.06 | 0.17 | 1.66 | 118 | 0.89 | 116 | 75 | 59 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | |
| WILLISTON | -14 | -31 | -9 | -37 | -23 | -33 | 0.09 | -0.02 | 0.09 | 1.47 | 126 | 0.79 | 136 | 71 | 61 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | |
| OH AERON-CANTON | 19 | 7 | 41 | -5 | 13 | -11 | 0.00 | -0.46 | 0.00 | 2.44 | 46 | 1.57 | 66 | 84 | 49 | 0 | 7 | | | | | | |

Weather Data for the Week Ending February 3, 1996

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY, PERCENT | NUMBER OF DAYS | | | | | |
|---------------------------|--------------------|--------------------|-----------------|----------------|---------|--------------------------|----------------------|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|--------------------|--------------------|--------------|---------------------|---------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Dec 1 | PCT. NORMAL SINCE Dec 1 | TOTAL, IN., SINCE Jan 1 | | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP. |
| | | | | | | | | | | | | | 90 AND ABOVE | | | | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| TOLEDO | 18 | 4 | 40 | -6 | 11 | -12 | 0.00 | -0.35 | 0.00 | 2.54 | 52 | 1.91 | 100 | 79 | 53 | 0 | 7 | 0 | 0 |
| YOUNGSTOWN | 19 | 6 | 40 | -7 | 12 | -11 | 0.00 | -0.45 | 0.00 | 4.30 | 82 | 2.68 | 115 | 83 | 47 | 0 | 7 | 0 | 0 |
| OK OKLAHOMA CITY | 30 | 13 | 58 | 0 | 21 | -16 | 0.00 | -0.29 | 0.00 | 2.42 | 91 | 0.06 | 5 | 61 | 36 | 0 | 7 | 0 | 0 |
| TULSA | 27 | 12 | 54 | -5 | 20 | -17 | 0.08 | -0.28 | 0.08 | 2.32 | 60 | 0.55 | 33 | 69 | 34 | 0 | 7 | 1 | 0 |
| OR ASTORIA | 39 | 26 | 43 | 21 | 32 | -11 | 0.62 | -1.45 | 0.28 | 20.65 | 96 | 9.36 | 86 | 94 | 59 | 0 | 6 | 3 | 0 |
| BURNS | 21 | -3 | 35 | -19 | 9 | -17 | 0.11 | -0.08 | -- | 4.57 | 200 | 1.94 | 181 | 90 | 58 | 0 | 7 | 0 | 0 |
| MDFORD | 49 | 32 | 58 | 24 | 41 | 1 | 0.54 | 0.01 | 0.26 | 13.25 | 212 | 5.57 | 190 | 96 | 48 | 0 | 3 | 5 | 0 |
| PENDLETON | 14 | -4 | 36 | -12 | 5 | -31 | 0.04 | -0.27 | 0.04 | 3.57 | 110 | 1.79 | 109 | 87 | 62 | 0 | 7 | 1 | 0 |
| PORTLAND | 29 | 19 | 39 | 14 | 24 | -17 | 0.16 | -0.91 | 0.15 | 13.19 | 110 | 7.13 | 123 | 84 | 61 | 0 | 6 | 2 | 0 |
| SALM | 35 | 21 | 43 | 16 | 28 | -13 | 0.26 | -0.95 | 0.14 | 15.51 | 117 | 8.23 | 128 | 88 | 66 | 0 | 6 | 2 | 0 |
| PA ALLENTOWN | 30 | 16 | 41 | 8 | 23 | -4 | 0.44 | -0.27 | 0.28 | 8.35 | 120 | 6.89 | 198 | 70 | 40 | 0 | 7 | 2 | 0 |
| ERIE | 20 | 9 | 40 | 0 | 14 | -10 | 0.00 | -0.48 | 0.00 | 6.30 | 104 | 3.07 | 126 | 80 | 48 | 0 | 7 | 0 | 0 |
| HARRISBURG | 29 | 20 | 42 | 13 | 25 | -4 | 0.40 | -0.27 | 0.20 | 9.01 | 139 | 6.47 | 200 | 79 | 38 | 0 | 7 | 4 | 0 |
| PHILADELPHIA | 33 | 20 | 45 | 13 | 27 | -3 | 0.08 | -0.68 | 0.04 | 5.84 | 78 | 3.70 | 98 | 74 | 51 | 0 | 7 | 2 | 0 |
| PITTSBURGH | 24 | 10 | 43 | -1 | 17 | -9 | 0.07 | -0.47 | 0.04 | 5.32 | 94 | 3.69 | 133 | 62 | 43 | 0 | 7 | 3 | 0 |
| SCRANTON | 25 | 12 | 36 | 1 | 19 | -6 | 0.28 | -0.21 | 0.12 | 7.74 | 160 | 6.52 | 280 | 73 | 44 | 0 | 7 | 4 | 0 |
| RI PROVIDENCE | 30 | 17 | 39 | 7 | 24 | -4 | 0.26 | -0.60 | 0.13 | 7.24 | 84 | 5.08 | 119 | 79 | 45 | 0 | 7 | 3 | 0 |
| SC CHARLESTON | 56 | 39 | 70 | 29 | 48 | -1 | 0.99 | 0.22 | 0.83 | 2.89 | 42 | 1.87 | 50 | 76 | 44 | 0 | 2 | 2 | 1 |
| COLUMBIA | 48 | 34 | 66 | 24 | 41 | -3 | 0.95 | -0.05 | 0.48 | 5.57 | 66 | 3.38 | 69 | 90 | 40 | 0 | 2 | 3 | 0 |
| FLORENCE | 54 | 36 | 72 | 21 | 45 | 1 | 0.16 | -0.62 | 0.11 | 4.09 | 58 | 2.40 | 62 | 82 | 50 | 0 | 2 | 2 | 0 |
| GREENVILLE | 42 | 31 | 55 | 21 | 36 | -5 | 2.46 | -1.49 | 2.10 | 9.82 | 113 | 7.77 | 171 | 67 | 42 | 0 | 5 | 2 | 1 |
| SD ABERDEEN | -9 | -29 | 3 | -36 | -19 | -30 | 0.28 | 0.14 | 0.28 | 1.79 | 152 | 1.32 | 197 | 73 | 63 | 0 | 7 | 1 | 0 |
| HURON | -4 | -23 | 17 | -33 | -13 | -28 | 0.03 | -0.08 | 0.03 | 1.28 | 142 | 1.00 | 227 | 77 | 59 | 0 | 7 | 1 | 0 |
| RAPID CITY | 1 | -21 | 12 | -31 | -10 | -34 | 0.00 | -0.09 | 0.00 | 0.96 | 107 | 0.82 | 200 | 76 | 60 | 0 | 7 | 0 | 0 |
| SIOUX FALLS | 0 | -19 | 24 | -29 | -10 | -25 | 0.07 | -0.04 | 0.07 | 1.09 | 87 | 0.99 | 177 | 78 | 59 | 0 | 7 | 1 | 0 |
| TN CHATTANOOGA | 39 | 27 | 47 | 11 | 33 | -6 | 0.85 | -0.25 | 0.60 | 12.62 | 120 | 8.80 | 164 | 88 | 47 | 0 | 5 | 4 | 1 |
| KNOXVILLE | 35 | 24 | 43 | 8 | 29 | -7 | 1.50 | 0.57 | 0.93 | 11.31 | 124 | 8.78 | 191 | 87 | 60 | 0 | 6 | 4 | 1 |
| MEMPHIS | 36 | 19 | 56 | 4 | 28 | -13 | 0.12 | -0.75 | 0.08 | 11.22 | 114 | 5.63 | 136 | 83 | 42 | 0 | 6 | 2 | 0 |
| NASHVILLE | 32 | 18 | 45 | 1 | 25 | -12 | 0.35 | -0.46 | 0.22 | 6.49 | 76 | 4.24 | 107 | 91 | 40 | 0 | 6 | 4 | 0 |
| TX ABILENE | 39 | 21 | 64 | 9 | 30 | -14 | 0.04 | -0.22 | 0.02 | 0.97 | 45 | 0.74 | 54 | 75 | 25 | 0 | 6 | 2 | 0 |
| AMARILLO | 30 | 10 | 66 | 0 | 20 | -16 | 0.35 | 0.23 | 0.32 | 0.99 | 103 | 0.40 | 73 | 61 | 22 | 0 | 7 | 2 | 0 |
| AUSTIN | 48 | 32 | 76 | 24 | 40 | -9 | 0.08 | -0.38 | 0.06 | 0.62 | 16 | 0.13 | 7 | 88 | 44 | 0 | 4 | 2 | 0 |
| BEAUMONT | 57 | 39 | 74 | 22 | 48 | -4 | 0.35 | -0.63 | 0.35 | 13.90 | 139 | 2.76 | 53 | 89 | 64 | 0 | 1 | 1 | 0 |
| BROWNSVILLE | 64 | 47 | 82 | 32 | 56 | -5 | 0.00 | -0.33 | 0.00 | 1.06 | 36 | 0.07 | 4 | 91 | 58 | 0 | 2 | 0 | 0 |
| CORPUS CHRISTI | 60 | 44 | 80 | 32 | 52 | -4 | 0.00 | -0.48 | 0.00 | 0.64 | 20 | 0.01 | 1 | 92 | 54 | 0 | 1 | 0 | 0 |
| DEL RIO | 58 | 36 | 86 | 28 | 47 | -3 | 0.00 | -0.31 | 0.00 | 0.49 | 21 | 0.00 | 0 | 82 | 55 | 0 | 3 | 0 | 0 |
| DAL PASO | 64 | 40 | 73 | 30 | 52 | 8 | 0.16 | 0.07 | 0.08 | 0.51 | 50 | 0.27 | 61 | 34 | 10 | 0 | 1 | 2 | 0 |
| FORT WORTH | 56 | 24 | 55 | 14 | 30 | -13 | 0.12 | 0.07 | 0.12 | 3.14 | 76 | 1.09 | 53 | 86 | 48 | 0 | 5 | 2 | 0 |
| GALVESTON | 53 | 44 | 69 | 28 | 45 | -4 | 0.09 | -0.56 | 0.06 | 6.34 | 90 | 0.77 | 22 | 97 | 81 | 0 | 2 | 2 | 0 |
| HOUSTON | 54 | 37 | 82 | 25 | 49 | -5 | 0.13 | -0.73 | 0.10 | 6.00 | 67 | 1.01 | 24 | 92 | 51 | 0 | 3 | 2 | 0 |
| LUBBOCK | 39 | 15 | 73 | 7 | 27 | -13 | 0.00 | -0.12 | 0.00 | 0.64 | 65 | 0.19 | 43 | 75 | 21 | 0 | 7 | 0 | 0 |
| MIDLAND | 47 | 22 | 74 | 13 | 35 | -10 | 0.00 | -0.12 | 0.00 | 0.31 | 30 | 0.08 | 15 | 75 | 12 | 0 | 6 | 0 | 0 |
| SAN ANGELO | 46 | 24 | 73 | 16 | 35 | -10 | 0.12 | -0.10 | 0.12 | 0.38 | 23 | 0.18 | 20 | 80 | 22 | 0 | 6 | 1 | 0 |
| SAN ANTONIO | 51 | 35 | 77 | 26 | 43 | -7 | 0.00 | -0.44 | 0.00 | 0.63 | 18 | 0.00 | 0 | 89 | 44 | 0 | 4 | 0 | 0 |
| VICTORIA | 54 | 38 | 79 | 28 | 46 | -7 | 0.01 | -0.75 | 0.01 | 2.91 | 43 | 0.03 | 1 | 100 | 63 | 0 | 3 | 1 | 0 |
| WACO | 41 | 27 | 64 | 18 | 34 | -12 | 0.16 | -0.27 | 0.16 | 2.04 | 55 | 1.00 | 54 | 89 | 44 | 0 | 5 | 1 | 0 |
| WICHITA FALLS | 36 | 17 | 67 | 4 | 27 | -14 | 0.00 | -0.37 | 0.00 | 0.85 | 28 | 0.10 | 7 | 59 | 30 | 0 | 7 | 0 | 0 |
| UT CEDAR CITY | 43 | 28 | 47 | 16 | 35 | 4 | 0.06 | -0.12 | 0.06 | 1.12 | 77 | 0.84 | 109 | 84 | 49 | 0 | 5 | 1 | 0 |
| SALT LAKE CITY | 31 | 14 | 42 | -12 | 23 | -7 | 0.68 | 0.42 | 0.31 | 4.31 | 161 | 3.11 | 251 | 77 | 57 | 0 | 7 | 5 | 0 |
| VT BURLINGTON | 22 | 4 | 32 | -4 | 13 | -2 | 0.03 | -0.34 | 0.02 | 6.56 | 149 | 3.91 | 197 | 84 | 46 | 0 | 7 | 2 | 0 |
| VA NORFOLK | 39 | 28 | 46 | 22 | 34 | -5 | 1.39 | 0.52 | 0.79 | 8.32 | 113 | 6.46 | 156 | 78 | 48 | 0 | 6 | 5 | 1 |
| RICHMOND | 34 | 24 | 45 | 16 | 29 | -7 | 1.15 | 0.41 | 0.95 | 6.20 | 91 | 4.49 | 126 | 77 | 41 | 0 | 7 | 4 | 1 |
| ROANOKE | 33 | 22 | 44 | 10 | 28 | -7 | 1.32 | 0.68 | 1.18 | 10.42 | 178 | 8.11 | 279 | 66 | 37 | 0 | 7 | 5 | 1 |
| WA QUILLAYUTE | 36 | 22 | 44 | 20 | 29 | -12 | 1.02 | -2.15 | 0.64 | 30.16 | 96 | 16.22 | 103 | 83 | 67 | 0 | 7 | 2 | 0 |
| SEATTLE-TACOMA | 36 | 22 | 40 | 15 | 29 | -13 | 0.61 | -0.50 | 0.34 | 13.94 | 118 | 7.57 | 129 | 86 | 51 | 0 | 7 | 3 | 0 |
| SPOKANE | 11 | -14 | 21 | -24 | -2 | -31 | 0.00 | -0.40 | 0.00 | 4.72 | 103 | 2.08 | 97 | 87 | 65 | 0 | 7 | 0 | 0 |
| YAKIMA | 14 | -10 | 31 | -17 | 2 | -30 | 0.20 | -0.02 | -- | 2.26 | 82 | 1.41 | 109 | 77 | 58 | 0 | 7 | 0 | 0 |
| WV BECKLEY | 27 | 14 | 40 | -1 | 21 | -8 | 0.54 | -0.13 | 0.32 | 8.41 | 130 | 5.97 | 185 | 85 | 47 | 0 | 7 | 4 | 0 |
| CHARLESTON | 29 | 16 | 45 | 3 | 23 | -10 | 0.48 | -0.19 | 0.36 | 7.58 | 115 | 5.54 | 173 | 81 | 43 | 0 | 7 | 2 | 0 |
| HUNTINGTON | 28 | 15 | 46 | 1 | 21 | -9 | 0.67 | -0.03 | 0.45 | 9.11 | 133 | 6.27 | 189 | 82 | 46 | 0 | 7 | 4 | 0 |
| PARKERSBURG | 27 | 13 | 45 | 2 | 20 | -10 | 0.25 | -0.44 | 0.17 | 5.33 | 83 | 3.48 | 100 | 76 | 37 | 0 | 7 | 4 | 0 |
| WI GREEN BAY | 4 | -17 | 28 | -28 | -7 | -21 | 0.18 | -0.04 | 0.17 | 3.04 | 109 | 1.78 | 144 | 81 | 51 | 0 | 7 | 2 | 0 |
| LACROSSE | 2 | -24 | 27 | -36 | -11 | -26 | 0.11 | -0.08 | -- | 3.85 | 168 | 3.03 | 297 | 82 | 52 | 0 | 7 | 0 | 0 |
| MADISON | 5 | -16 | 29 | -29 | -6 | -22 | 0.07 | -0.15 | 0.06 | 3.30 | 114 | 2.53 | 202 | 83 | 50 | 0 | 7 | 2 | 0 |
| MILWAUKEE | 10 | -10 | 30 | -26 | 0 | -20 | 0.07 | -0.24 | 0.07 | 1.99 | 49 | 1.52 | 88 | 81 | 56 | 0 | 7 | 1 | 0 |
| WAUSAU | 0 | -22 | 25 | -33 | -11 | -24 | 0.16 | -0.02 | 0.14 | 3.12 | 127 | 2.12 | 210 | 78 | 51 | 0 | 7 | 2 | 0 |
| WY CASPER | 16 | -18 | 32 | -27 | -1 | -25 | 0.09 | -0.03 | 0.06 | 1.30 | 103 | 0.94 | 157 | 78 | 56 | 0 | 7 | 2 | 0 |
| CHEYENNE | 16 | -8 | 37 | -21 | 4 | -23 | 0.12 | 0.04 | 0.12 | 0.70 | 86 | 0.50 | 122 | 70 | 47 | 0 | 7 | 1 | 0 |
| LANDER | 19 | -4 | 39 | -14 | 7 | -14 | 0.00 | -0.11 | 0.00 | 0.98 | 89 | 0.67 | 124 | 70 | 40 | 0 | 7 | 0 | 0 |
| SHERIDAN | 8 | -18 | 20 | -27 | -5 | -28 | 0.09 | -0.08 | 0.07 | 0.96 | 62 | 0.67 | 84 | 75 | 51 | 0 | 7 | 2 | 0 |
| PR SAN JUAN | 83 | 71 | 85 | 70 | 77 | 0 | 0.81 | 0.27 | 0.53 | 9.84 | 127 | 5.99 | 196 | 84 | 53 | 0 | 0 | 5 | 1 |

Based on 1961-90 normals.

January Weather and Crop Summary

Weather

Record snowfall buried the Northeast through January 12, setting the stage for major river flooding on January 19-21. A blizzard spun through the Plains on January 17-18, signaling a pattern change that ended a mid-month warm spell, fueled heavy snowfall in the upper Midwest, and rejuvenated northern California's wet season. Arctic air pooled over Alaska and western Canada during January, finally surging into the North-Central States at month's end.

Pulses of cold air into the Plains held monthly temperatures below normal as far south as northern Texas. Closer to the cold core, the northern Plains experienced temperatures 5 to 12°F below normal. Meanwhile, warm (temperatures 2 to 5°F above normal), wet (precipitation greater than twice normal) conditions combined to spark very heavy snow from California's Sierra Nevada to Utah's Wasatch Range. The moisture content of the Sierra Nevada snowpack, which stood at only about one-third of normal on January 11, soared to 85 percent (%) of normal by month's end. Elsewhere, heavy snow fell in the northern Plains and upper Midwest after mid-month, while early-month snow in the East yielded to heavy rain thereafter, resulting in monthly totals greater than 8 inches from central Mississippi to southeastern New York.

Although more than 90% of the East's snow fell by January 12, all-time monthly records were broken in Harrisburg, PA (38.9 inches) and Providence, RI (37.4 inches). In Iowa, however, 93% of Waterloo's January-record 24.2 inches of snow fell after January 17. Farther west, monthly snowfall totals of 45.7 inches in Elko, NV and 45.0 inches in Salt Lake City, UT were less than a half-foot short of all-time records. The central and southern Plains' dry spell continued through a fourth consecutive month, however, further stressing poorly established winter wheat, as monthly totals were a tenth of an inch or less in locations such as Amarillo, TX (0.07 inches), Oklahoma City, OK (0.08 inches), and Wichita, KS (0.10 inches). In southern Texas, only a trace of rain fell in San Antonio and Del Rio. Extremely dry weather also covered the Southwest, with monthly totals in Arizona as low as 0.19 inches in Flagstaff and 0.01 inches in Tucson. In contrast, totals in the East were more than 4 inches above normal in Birmingham, AL (9.59 inches) and Scranton, PA (6.40 inches). Early-month rainfall in southern Florida ended a 2-month dry spell and boosted monthly totals to 5.42 inches (272% of normal) in Tampa and 5.39 inches (234% of normal) in Orlando. Totals in the West included 14.74 inches (186% of normal) in Eugene, OR and 18.66 inches (150% of normal) at Blue Canyon, CA.

The month's two most impressive storms were a pair of blizzards. The first dumped record snowfall from the Ohio Valley into the Middle Atlantic States on January 6-8, including a State-record total of 35 inches in White House Station, NJ. Ten days later, a potent storm swept away a week-long "January thaw" that produced nearly 150 daily-record highs across the Western and Central States. The storm induced blizzard conditions in the North-Central States and buffeted wheat stands in the central and southern Plains with winds up to 66 mph (at Dodge City, KS). Record warmth (almost 50 daily records on January 17-18) overspread the East just long enough to melt nearly all of the deep snowpack, and in combination with up to 4 inches of rain, created one of the region's worst mid-winter floods on record. During the month's final days, cold air began to seep into the North-Central and Northwestern States. In International Falls, MN, lows dipped to -30°F or below on 10 days during the month,

including four daily records. Heavy snow, including a monthly total of 21.4 inches in Spokane, WA, insulated winter wheat in the Northwest. Even near sea-level, 10.5 inches fell on Seattle, WA.

The snow "drought" continued in much of Alaska, where Anchorage tallied only 2.5 inches and Fairbanks received 5.4 inches. Respective season-to-date totals (through January 31) in those two cities were 31.7 and 34.8 inches below normal. In Juneau, no precipitation fell after January 12, their third-longest dry spell (19 days) on record, while monthly temperatures averaged 8°F below normal, their coldest month since January 1982. In Fairbanks, lows fell to -35°F or lower on 16 days and monthly temperatures averaged 7°F below normal. In contrast, Hawaii's monthly departures ranged from +1 to +4°F.

Fieldwork

The new year began with frigid temperatures and record snowfall from the Ohio Valley to the Northeast that stressed livestock and increased the need for supplemental feeding. On January 8 and 9, rain and freezing temperatures in central Florida damaged some vegetable acreage. The low temperatures did not last long enough to affect Florida's citrus orchards, but some fruit icing was reported. Early January snowfall in the Texas Plains brought much-needed moisture to dryland wheat. Wheat conditions declined in the central Great Plains due to continued dry conditions and low temperatures. Rain and wet fields slowed field activity in California, but most cotton producers finished shredding and discing fields for pinkworm control on schedule in early January. Snow cover in the upper Midwest protected the winter wheat crop from the bitter cold at the end of the month.

By mid-January, heavy rain over most of the Pacific Coast improved small grain growth, although some standing water was reported. The storm system brought snow cover to the Pacific Northwest that protected winter wheat for most of the month. Rain and snowmelt caused major flooding in the Northeast and Middle Atlantic States. In the Central States, blizzard conditions combined with low temperatures, increasing the need for supplemental feeding and limiting livestock weight gain. Continued dry conditions combined with high winds caused soil erosion from Kansas to the Texas High Plains that damaged winter wheat. Warm weather over southern Florida allowed vegetable plants to recover from earlier low temperatures.

By late January, heavy rain along the Pacific Coast hampered field activity and slowed wheat growth in the Sacramento Valley, where some fields had standing water. Adequate snow cover in the Northern States protected winter wheat from frigid temperatures. Rain was needed in the southern Great Plains to restore soil moisture supplies for the wheat crop. Parts of the central Great Plains had less than a third of normal rainfall since late fall, resulting in poor emergence and shallow rooting in wheat. Continued dry conditions and inadequate snow cover combined with windy weather further depleted soil moisture in the central and southern Great Plains. The late-January cold blast and blowing soil stressed the unprotected wheat and halted growth, resulting in uneven wheat stands. Continued heavy supplemental feeding of livestock resulted in short hay supplies, while temperature fluctuations caused health problems for livestock. Florida's citrus harvest ended the month very active for all types of early fruit.

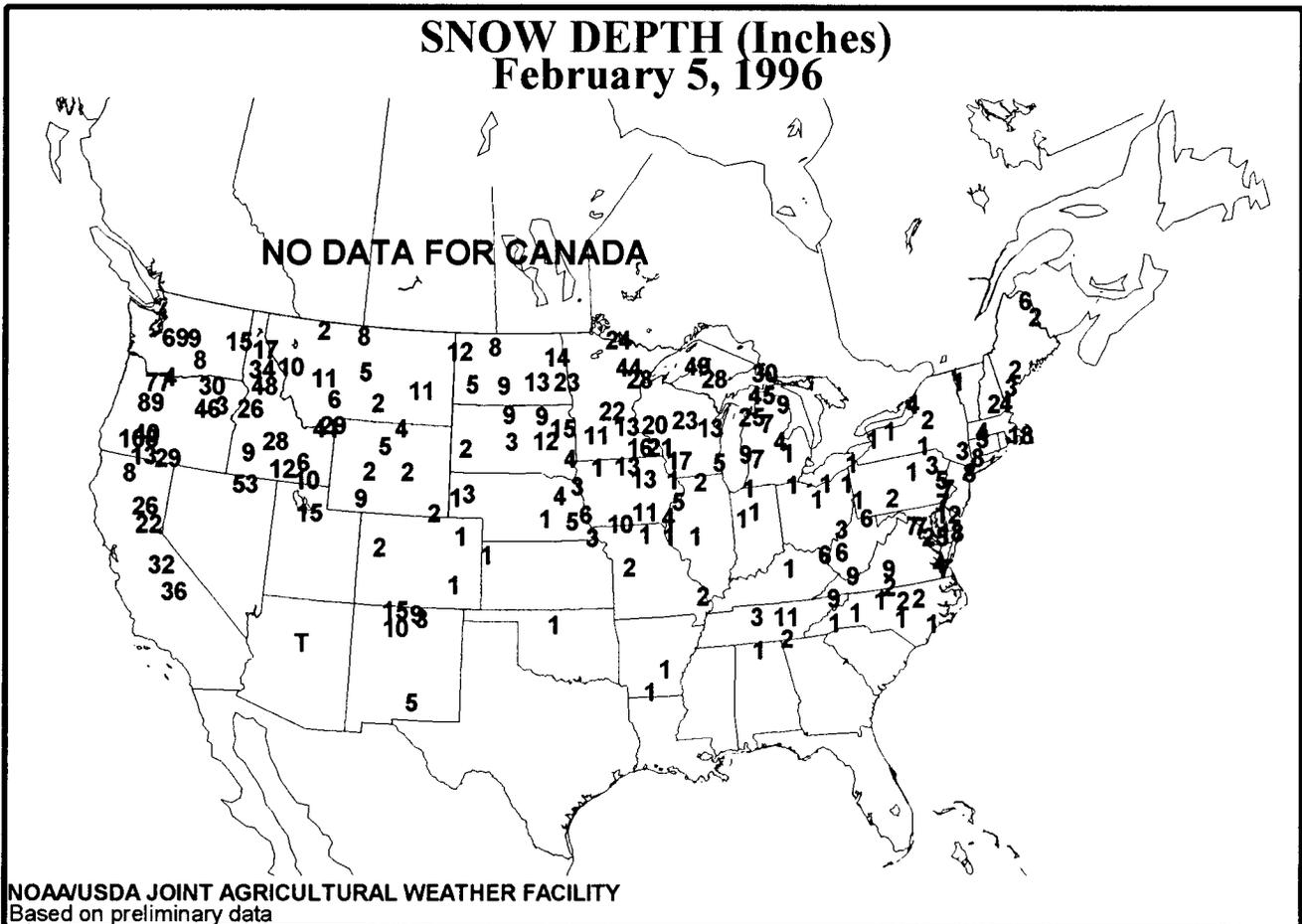
NOTE: U.S. maps and tables of January precipitation and temperatures will appear in next week's *Bulletin*.

National Agricultural Summary

HIGHLIGHTS for January 29 - February 4, 1996

Winter wheat condition across the central Great Plains deteriorated as a result of late-week sub-zero temperatures. Dry soil conditions combined with windy weather further stressed winter wheat in the central and southern Great Plains. Inadequate snow cover in the central Great Plains allowed the cold air and blowing soil to damage the unprotected wheat. The uneven snow cover was insufficient in the Ohio Valley to fully protect the wheat from the cold weather. Favorable weather early in the week helped Florida's citrus to begin forming pin head blooms. The late-week cold weather threatened Florida's newly formed citrus blooms. Florida's citrus harvest activity was very active and passed the halfway mark. Florida vegetable growers harvested some fruit to

avoid damage from the cold winds on February 4 and near-freezing temperatures the following day. Growers sprinkled water on plants to form protective ice-caps, but strong winds thwarted the protective measure and caused damage to strawberries. The full extent of the damage cannot yet be determined. In the Northern States, adequate snow cover protected winter wheat from the bitter cold. Low temperatures in south Texas concerned vegetable and citrus producers, while freezing rain in central Texas threatened small grain fields and halted growth. Rain in California saturated fields and limited fieldwork. The wet conditions slowed wheat growth in central California.



January State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at "http://www.usda.gov/nass/".

ALABAMA: Small grains continued to make good growth. Wet fields limited the amount of grazing time in many areas. Below average temperatures increased the need for additional feeding, care of livestock, poultry.

ARIZONA: As 1996 began, the State's cotton growers continued with this season's late harvest. Cotton harvest was not complete until the middle of the month. Other field activities were stalk shredding, plowdown, ground preparation for this spring's planting. Due in part to the late cotton harvest, small grain seedings were also behind normal. As the month began, only 85% of acreage had been seeded. By month's end nearly all of the small grains were in the ground, condition had declined. Grains which were rated 54% excellent early in the month were only 35% excellent as the month ended. Lack of January precipitation was cited as a major contributing factor. With above normal temperatures, the State's hay harvest continued with progress 14% active at the beginning of the month, increasing to 24% active by month's end. Condition of the hay crop was steady, ranging from 34% excellent early in the month to 30% excellent at January's end. Sheepling off activity continued mostly active all month. The winter vegetable season was in full swing in central, western areas during January. Iceberg lettuce, cauliflower, romaine lettuce, broccoli, leaf lettuce, carrots, mixed greens were the volume leaders during the month. Celery, radicchio, cabbage, spinach, broccoflower, green onions, many other vegetable crops were also harvested. A steady supply of tomatoes was shipped from eastern areas. Citrus harvest was also very active in central, western production areas as grapefruit, navel oranges, lemons, tangerines were picked by State growers. Range conditions across State continue to be downgraded due to the lack of any significant precipitation during January. Almost half of the rangeland, pastures were rated in very poor to poor condition. Only 14% was rated in good to excellent condition. Cattlemen continued having to feed supplemental hay. Cattle, calves remained in mostly fair condition. Stock water supplies continued mostly short, soil moisture supplies remained short in every area of the State. Insect damage was negligible.

ARKANSAS: Main farm activity: Feeding hay. Little to no field work occurred. Cold weather was welcomed because of the minor insect problem. Hessian fly was causing some problems in the early wheat fields. Wheat, oats reported to be in good to excellent condition. Cold conditions have not hurt the fruit crop. Some farmers are beginning to start pruning. Livestock reported in good condition. Farmers are still concerned with forage supply.

CALIFORNIA: Generally temperatures warmer than normal, most of January. By month's end, temperatures dropped, snow was falling at 1,000 foot level in the north; 2,000 feet in the south. Precipitation amounts heaviest, north coast. Most areas rains, wet soils hampered progress field activities. Small grains grew well, central, southern counties. Wheat growth slow, northern Sacramento Valley. Some fields in standing water. Alfalfa, small grains, sugar beets, forage crops irrigated, sprayed aerially for weeds. Seeding new alfalfa ongoing, where conditions, soil temperatures permitted. Corn, cotton, dry bean, sugar beet fields pre-irrigated, treated with preplant herbicides in preparation, spring planting. Throughout January, pruning, dormant spraying, fumigation continued, vineyards, deciduous orchards. New, replacement trees planted. Continuing bud swell noted, nectarines, other soft fruit. Some early cherry varieties began to blossom. Minneola harvest underway, northern San Joaquin Valley; continued, southern San Joaquin Valley. Bees placed in some almond orchards. Navel orange, grapefruit, lemon, tangerine, avocado harvests continued as weather permitted. Strawberry harvest began, San Diego County. Asparagus harvested. Spring lettuce, broccoli, cabbage fields treated for aphids. Carrots, lettuce planted, Kern

County, where conditions permitted. Wet soils limited activities, broccoli fields, Tulare County. Little harvesting or discing, harvested fields reported. Cauliflower, cabbage, broccoli harvests continued, areas with lighter soils. Spring vegetable planting beds unworkable due to wet soils, some areas. Onions, garlic, irrigated, Fresno County. Fumigation sweet potato fields continued, Merced County. Other vegetables harvested, packed included: Carrots, napa, bok choy, various other vegetables. Pasture, range conditions improved with each rain. Increased soil moisture gave much needed boost to grass growth. Supplemental feeding ongoing, most areas, declining slightly, except higher elevations. Feed, water supplies increased. Calving, lambing, active. Sheep were grazing alfalfa fields. Livestock, good condition.

COLORADO: Dominated by very cold temperatures along with heavy snowfall in the mountain areas. Front Range received some significant amounts of snow during the first two weeks of the month. The Eastern Plains received some snow, moisture but not enough to provide adequate cover for winter wheat. Winter wheat seeding benefitted from the moisture was susceptible to the windy, very cold conditions. Major farm activities: Caring, feeding of livestock, attending producer meetings, farm shows, preparing tax information, forms.

DELAWARE: Heavy snow the 2nd week of January again made life difficult for livestock, poultry producers. Fluctuating temperatures may also be causing health problems for livestock. Hay supply short. Small grains in good condition. Damage to small grains could occur due to ponding in fields created by melting snow, ice. Activities: Repairing equipment, planning, purchasing for spring planting, tending livestock.

FLORIDA: Cold weather with strong winds during the first part of January were followed by pleasant, mild growing conditions. Topsoil moisture was mostly short to adequate throughout the State for most of the month, with scattered areas reporting surplus moisture. Cotton harvest was completed during the first part of the month. Sugarcane planting, harvest remained active. Tobacco farmers planted, maintained tobacco beds. Some preliminary fieldwork was done for the spring crops. Strawberries were hurt, slowed by early January cold, wet weather but recovered, are now in good condition. Some vegetables received leafburn, other damage from strong winds, freezing temperatures early in month. Warmer, dryer temperatures helped most plants to recover, harvest was active during last two-thirds of month. Harvest of some crops was slowed due to planting gaps caused by heavy fall rains. Some harvesting of tomatoes slowed in a few localities due to low market. Citrus areas the first two days of January were very wet. The remainder of month was mostly dry with many growers irrigating. Harvest of early, mid oranges was very active during January with most of these going to processors. Movement of all seedless grapefruit continued strong with about half being utilized in the fresh markets. Harvest of early tangerines slowed while picking of temples, tangelos continued active.

GEORGIA: Soil moisture adequate to surplus, mostly surplus. Extremely cold temperatures slowing growth of small grains. Small grains 100% planted, about 14% topdressed. Farmers having to supplement feed to cattle. Onions in fair condition. Damage to onions from weekend (Feb. 3-4) cold as low as 10° thought to be limited, additional damage could occur if weather warms too quickly. Pecan, soybean, Cotton harvests complete. Tobacco bed preparation about 80% complete. Active pruning of peach trees continues. Land preparation about 19% complete. Soil test volume greatly increased.

HAWAII: Strong winds bruised crops in exposed areas past week. Overall agricultural losses expected to be light. Banana, papaya production seasonally light. Chinese cabbage production to increase. Head cabbage steady. Dry onions will likely suffer light losses from last week's rains.

IDAHO: Colder temperatures forced winter wheat into dormancy. Winter wheat condition 2% fair, 72% good, 26% excellent. Calving, lambing were 10% complete, 30% complete respectively. Snow cover caused many livestock producers to begin feeding hay. At the month's end, the hay, roughage supply was reported to be 1% short, 36% adequate, 63% surplus. Activities: Marketing crops, repairing equipment, attending educational workshops, preparing tax returns, feeding and care of livestock.

ILLINOIS: Topsoil moisture for January was mostly adequate. By mid-month, topsoil moisture 6% surplus, 64% adequate, 27% short, 3% very short. Condition of the wheat crop showed some improvement; by mid-month wheat was 3% excellent, 47% good, 40% fair, 9% poor, 1% very poor. Below average temperatures caused livestock producers to feed more hay, provide more heat to livestock buildings. Major farm activities included: Attending producer meetings, preparing paperwork for the tax season, tending livestock, general farm maintenance, moving grain to markets.

INDIANA: Farm activities during January were very limited because of the inclement weather conditions. January began with a heavy snowfall over most areas of the State with more snow, cold temperatures continuing throughout most of the month. Winter wheat was reported to be in mostly good condition. Snow cover protected the winter wheat through most of January. Hay supplies remained mostly adequate. By the end of the month livestock was beginning to show some signs of weather related stress. Major activities: Moving grain to market, hauling manure, record keeping, tax preparation, purchasing seed and fertilizer, attending meetings, processing tobacco, repairing and winterizing equipment, planning for the 1996 crop season, care of livestock.

IOWA: Depth of snow cover 9 in.; average depth of frost penetration 21 in. Soil erosion light to none 88%, moderate 11%, severe 1%. Transportation problems continue to hamper grain movement in some areas of the State. For January, grain movement 8% none, 40% light, 42% moderate, 10% heavy. Availability of hay, roughage for livestock feed short 9%, adequate 86%, surplus 5%. Quality of hay, roughage poor 5%, fair 45%, good 50%. Harsh weather, snow cover limited producers from taking advantage of stubble fields. Utilization of stubble fields for grazing 44% none, 38% light, 14% moderate, 4% extensive. Hog, pig losses 9% below average, 80% average, 11% above average; cattle, calf losses 12% below average, 79% average, 9% above average. Cold weather, blizzard conditions during January were hard on livestock with illnesses, increased feed consumption, weight loss all being reported. TGE is being reported in hogs. Other activities: Tax preparation, machinery maintenance, mending fence, attending meetings.

KANSAS: Wheat acreage across most of State continues to be damaged. Very short moisture availability since early fall has caused poor emergence, shallow rooting. Precipitation amounts since October 1 have been mostly less than one-third of normal across most of the State. Sustained winds of 35 to 40 miles per hour across the wheat areas during mid- to late-January caused severe soil blowing. This was followed by a week of frigid temperatures with no snow cover. Cattle in feedlots also suffered from the extreme cold. Weight gains fell as cattle used all energy-intake to survive.

KENTUCKY: Soil moisture adequate to surplus through January with most locations having over 15 days with measurable precipitation. Snowmelt, rain caused flooding of lowland along the Ohio River at month's end. Snow provided winter wheat some protection from cold temperatures early in January, there was no protection from wind later in the month. Above normal snow statewide with heavy amounts across northern,

eastern areas limited farm activity until warmer temperatures, rain returned at mid month. Tobacco producers tried to catch up on stripping tobacco, marketing was active throughout January. Burley gross sales volume through 2/1 was 368.9 million lbs. avg. price \$185.61 per cwt. Markets were beginning to close at month's end. Livestock satisfactory but damp conditions and wide variations in temperature, ranging from highs near 70° to lows below zero, caused stress, some respiratory problems. Farmers were busy providing cattle supplemental feed, breaking ice.

LOUISIANA: Days suitable for fieldwork 12.3. Soil moisture supplies in the northern portion of the State were generally adequate. Soil moisture supplies in the southern portion of the state were generally surplus. Corn growers began preparing ground for planting. Sugarcane producers were busy cultivating drier fields. Rice producers leveled, fertilized fields in preparation for the coming year's crop. Some growers were building levees. Wheat producers were busy applying fertilizer. Vegetable growers were harvesting winter leafy vegetables. Livestock producers were active putting out feed to compensate for the lack of winter pasture. Most were concerned about dwindling hay supplies. Crawfish producers continued their winter harvest. Pasture feed low temperatures virtually stopped all growth of winter pastures.

MARYLAND: Snow, ice again cause problems for livestock, poultry producers. There was some loss of livestock when sheds, barns collapsed under the weight of the snow. Ice broke limbs on fruit trees in western areas. Drainage areas of the Potomac, Susquehanna Rivers experienced damage due to flooding with soil, fence loss reported. Other areas have managed to avoid major problems associated with the wintry January. Hay supply adequate at this time. Small grains generally in good condition. Activities: Tending livestock, repairing equipment, preparing for spring planting.

MICHIGAN: Snow cover in the southern part of the State was not adequate to cover the winter wheat from the extremely cold weather, while cover in the northern counties was more than sufficient. There was a small amount of corn harvested. Livestock were doing reasonably well but extremely cold temperatures were tough on some. Feed supplies were adequate. Major activities for the month were caring for livestock, plowing snow, hauling manure, selling corn and soybeans, planning for spring. Some pruning of fruit trees continues as weather permits.

MINNESOTA: Record cold conditions placed heavy burdens on livestock producers. Quality alfalfa has been in demand all winter, continues to become more so as the unseasonably cold conditions continue. Snow blankets the State providing a layer of insulation between the weather, overwintering crops. Some knolls, ridges which the wind has blown bare are susceptible to winterkill.

MISSISSIPPI: Main farming activities: Equipment repair; feeding and tending livestock. During the month, cattle conditions were reported to be poor to fair. These conditions were a result of poor pastures. County agents are commenting that ryegrass is not growing well. Hay supplies are short in most counties due to the early than normal feeding required by the dry fall. The wheat crop is in fair condition.

MISSOURI: Topsoil moisture 3% very short, 17% short, 78% adequate, 2% surplus. All areas of the State indicate moisture supplies of 68% or more adequate or better. January found farmers busy with livestock, hay hauling chores. Extremely low temperatures that moved into the State during the last week of the month kept livestock producers especially busy tending to their livestock. Crop producers continue to plan their crop intentions, prepare for their supply needs for the upcoming planting season. Condition of winter wheat, 3% very poor, 24% poor, 52% fair, 20% good, 1% excellent. Several reporters indicated that a lack of snow cover has hindered the crops ability to be insulated against the extremely cold temperatures experienced in recent days. Some reporters in the northern third of the State expressed damage concerns of wheat fields covered in ice. Pasture, range 17% very poor, 42% poor, 34% fair, 7% good. Supply of hay, other roughages, 10% very short, 31% short, 56%

adequate, 3% surplus. Stock water supplies, 6% very short, 30% short, 64% adequate. Condition of livestock, 6% poor, 48% fair, 44% good, 2% excellent. Recent extremely cold weather has been especially stressful on all livestock, has caused some problems for producers being able to maintain a non-frozen supply of water.

MONTANA: Good snowfall during the month. Bitter cold temperatures across State latter part of month. Winter wheat 10% poor, 34% fair, 49% good, 7% excellent. Protectiveness of snow cover on winter wheat, at months end, 1% poor, 52% fair, 21% good, 26% excellent. Wind damage to winter wheat 39% none, 43% light, 16% moderate, 2% heavy. Most livestock receiving supplemental feed. Grazing at the end of the month was 0% open, 53% difficult, 47% closed.

NEBRASKA: Producer activities included delivering grain, tax and financial planning, livestock care, equipment repair and maintenance, routine chores. Most farm stored grain was reported in good condition. Winter wheat 4% very poor, 20% poor, 46% fair, 24% good, 6% excellent. Numerous reports expressed concerns of potential winter kill due to high winds, extremely cold temperatures. However, the extent of wheat damage is unknown at this time. Cattle 9% poor, 30% fair, 55% good, 6% excellent; 6% calves born, 5% 1995. Livestock care was a near full-time job during late January.

NEVADA: Snowfall, cold temperatures the second half of January increased supplemental feed requirements of livestock. Snow cover signaled the end of aftermath grazing of hay fields across most of the northeast. Greatly increased mountain snow packs further enhanced irrigation water supply outlook for the coming growing season. Main farm, ranch activities: Livestock feeding, livestock marketing, equipment maintenance, ditch, cleaning, attending meetings, preparing taxes.

NEW ENGLAND: No weather data available.

NEW JERSEY: Heavy snowfall during the month of January did not significantly hamper farmers since most on farm activities took place indoors. Farmers spent most of the month doing paperwork, repairing machinery. The only reported production activity was the planting of lettuce in greenhouses. Farmers also attended various producer meetings that were held during the month.

NEW MEXICO: Growers reported only minimal damage to the lettuce, onion crops. Precipitation below normal for the entire State. Ranchers continued to supplementally feed, water their livestock. Farmers in State were plowing under their cotton, chile fields to meet plowdown dates set by the States Department of Agriculture as a means to control insects, disease that were prevalent in State this past year. Pecan farmers were pruning trees, burning limbs.

NEW YORK: Heavy snowpack made outside activities even harder. Blizzard conditions plagued the region early in the month, boosting snow depths to near record levels, setting the stage for the worst floods many areas have seen. Snowstorm the second week of January disrupted the milk transportation system in the southeast part of the State as many roads in rural areas were plugged with snow. Damage was widespread, extensive. Eroded fields, damaged fences, soil deposits resulted from the rapid runoff. Access roads, stream crossings were ruined. Some producers were forced to dump milk because roads were closed, some counties were under a state of emergency. Standing corn was lost, hay stored on open land was ruined in fields where flooding occurred. Some livestock losses resulted from drowning or exposure. Weather returned to seasonable normals during the latter half of the month. Hay supplies were becoming tight. Many meetings, conferences were held during the month. Apples, potatoes, onions being taken out of storage and sent to market.

NORTH CAROLINA: Days suitable for fieldwork 2.4. Topsoil moisture 14% adequate, 86% surplus. Snow, freezing rain have halted attempts to work in fields. Most farmers are busy tending to livestock, preparing for

upcoming season. Crop conditions: Wheat 10% very poor, 12% poor, 27% fair, 43% good, 8% excellent; oats 2% very poor, 19% poor, 35% fair, 39% good, 5% excellent; barley 2% very poor, 11% poor, 35% fair, 51% good, 1% excellent; rye 6% poor, 16% fair, 75% good, 3% excellent; pasture 7% very poor, 27% poor, 46% fair, 20% good; hay, roughage supplies 4% very short, 15% short, 77% adequate, 4% surplus; feed grain supplies 12% short, 83% adequate, 5% surplus. Activities: Harvesting preparing tobacco plant beds; plowing; digging and shipping ornamentals; soil sampling; cutting firewood; planning for upcoming season; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Snow cover sufficient to protect 91% alfalfa. Extremely low temperatures stressed livestock, caused some deaths. Cattle, sheep conditions remained mostly good. Cattle none very poor, 1% poor, 36% fair, 59% good, 4% excellent. Hay, forage supplies 5% short, 88% adequate, 7% surplus. All cattle, sheep receiving supplemental feeds. Cattle sales 20% below normal, 78% normal, 2% above normal.

OHIO: Winter wheat lost much of its cover as daytime highs reached into the 40s to 50s in mid month. Snow melt left water standing in some wheat fields; in other areas freezing rain was the more serious threat. Sub-zero lows alternated with thawing temperatures during the month, fluctuating temperatures have led to some heaving problems. Condition of earlier, no-till plantings have held up relatively better. Overall crop conditions are still fair to good in spite of weather related problems. Some livestock stress, weather related losses were reported. Reductions in weight gain in cattle, unhusked hogs were noted. Power outages due to weather conditions led to animal losses for some farrowing operations.

OKLAHOMA: Wheat 12% very poor, 38% poor, 41% fair, 9% good. Topsoil 32% very short, 47% short, 21% adequate. Subsoil 26% very short, 32% short, 42% adequate. Livestock 1% very poor, 8% poor, 38% fair, 50% good, 3% excellent. Pasture, range 4% very poor, 30% poor, 46% fair, 20% good. Prices for feeder steer, heifers were \$2.00 to \$3.00/cwt lower.

OREGON: Eastern irrigators encouraged. Willamette valley nurseries dug some deciduous bareroots, fresh flower greenhouses prepared Valentine's Day rush. Statewide orchardists pruned, continued winter clean up. Mid-Columbia winter wheat under snow cover, little winter kill concern. Livestock condition good. Feeding hay statewide. Little feedlot mud concern.

PENNSYLVANIA: Record snowfall early in month caused building damage. Some milk dumped because it could not be picked up. High temperatures caused severe flooding in second week. Flooding caused damage to fall seeded crops, water control structures, stored feed, unharvested corn. Floods left debris in fields, damaged fences.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Snow, freezing rain, colder than normal temperatures caused January to be a slow month for fieldwork, other outdoor activities, as well as crop development. Small grain growth was brought to a virtual halt as temperatures dipped as low as 20° below normal. By month's end pastures were in fairly poor condition due to three months of wet weather. Livestock finished the month in good condition.

SOUTH DAKOTA: Extremely cold temperatures the last half of the month caused considerable stress among livestock resulting in slower weight gains, some death losses, frozen ears and hoofs. Feeding livestock was difficult as water pipes froze, snow drifted around feeding areas, slick ground caused footing problems. Feed supplies depleted more rapidly, but still mostly adequate. Lambing is getting started, some heifers are calving. Condition of winter rye, winter wheat worsened as only 11% of the rye, 59% of the wheat was reported as good to excellent. The lack of snow cover has provided very little ground protection from the high winds, cold temperatures. Most of the snow that did fall was blown into

ditches. Above normal temperatures the second week of the month caused the top inch of topsoil to thaw that resulted in the soil loosening up making it susceptible to wind erosion.

TENNESSEE: Livestock farmers were busy feeding, breaking ice on farm ponds to provide water for livestock. Some crop farmers in western areas were leveling fields, repairing drainage ditches. Wheat continued to be in mostly good condition. Farmers were also busy with equipment repairs, maintenance.

TEXAS: Small grains: Concern about additional freeze injury this past week continued on the minds of producers in the Plains, Cross Timbers. Moisture associated with the latest cold front was very minimal. Grazing remained very slight. Greenbug activity was slowed some by the late week cold weather. Statewide wheat condition was rated at 40% of normal compared with 68% 1995.

Commercial Vegetables: In Rio Grand Valley producers spent the weekend monitoring temperatures and hoping for the best.

UTAH: Major farm/ranch activities: Late plowing, repairing equipment, hauling manure, purchasing seed and supplies, feeding animals, milking cows, early lambing and calving, hauling sheep, moving snow. Most cattle, sheep were grazing on pastures until the snowstorms hit in the last half of the month. Pasture, range conditions, as well as the livestock, were in good to excellent condition. Feed supplies remain good to excellent as a result of longer grazing on pastures. Some counties reported that feed supplies were good but of low quality. Grain supplies remain tight and expensive. Fall seeded grains were slightly dry until the storms came.

VIRGINIA: Stream banks eroded, stones, debris were deposited on lower lying land, fields and pastures became impassable to both man, beast. Flooding caused severe financial losses to some operators. In a few regions, the ground was not frozen under the snow, run-off was minimized. Snow proved beneficial in that soil moisture reserves were recharged. Conditions of small grains varied across the State. In south central to southeastern regions the early-planted small grains were far enough along in the development stage not to be harmed, even to benefit

from the snow. For small grains planted later than normal due to delayed harvest of last season's crop, the snow, cold temperatures reduced tiller and root development. These late planted grains provided only sparse ground cover. Since fields are so wet, it is difficult to top dress the soil with needed nitrogen. Snow also affected greenhouses, barns, other farm buildings, which have collapsed in some areas due to snow load on roofs. Livestock operators were busy with calving, lambing, feeding livestock. Feed supplies are ominously short on those farms that had flooding this summer. Other activities that kept producers busy this month included income tax preparation, equipment repair and maintenance, pruning fruit trees as time, weather permitted, grower meetings.

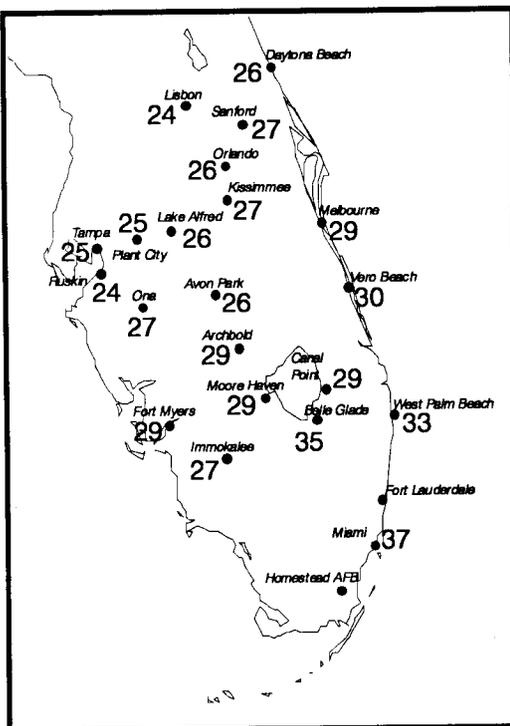
WASHINGTON: No weather data available.

WEST VIRGINIA: Topsoil moisture, 37% adequate, 63% surplus. Barley mostly fair. Wheat mostly fair to good. Cattle 3% poor, 28% fair, 68% good, 1% excellent. Sheep 10% poor, 27% fair, 63% good. Cows calved 12%. Sheep lambed 9%. Hay, roughage supplies 4% very short, 22% short, 73% adequate, 1% surplus. Feed grain supplies 18% short, 81% adequate, 1% surplus. Farm activities: Repairing fences, buildings damaged by flooding, snow. Feeding livestock, equipment repair, bookkeeping, snow removal. General: Many areas across State reported damage due to flooding. Movement of hay, other feed supplies were hampered by snow, high water. Hay supplies were tight in some areas due to increased feeding, loss from flooding. Sheep producers reported losses due to coyotes.

WISCONSIN: Farmers were busy moving the large amounts of snow as it fell, hauling manure, doing general chores.

WYOMING: Topsoil moisture 81% adequate or better. Subsoil moisture 87% adequate or better. 1996 winter wheat crop 78% fair, 22% good; wind damage 1% none, 94% light, 5% moderate; freeze damage 12% none, 84% light, 4% moderate. Cattle, sheep in mostly good condition. Calving 4% complete, farm flock ewes lambed 4% complete. Farm flock sheep shorn 5% complete. Hay, roughage supplies 52% adequate, 42% surplus.

Extreme Minimum Temperature (Degrees F)



February 4-6, 1996

Freezing temperatures occurred on the mornings of February 4, 5, and 6 across northern Florida.

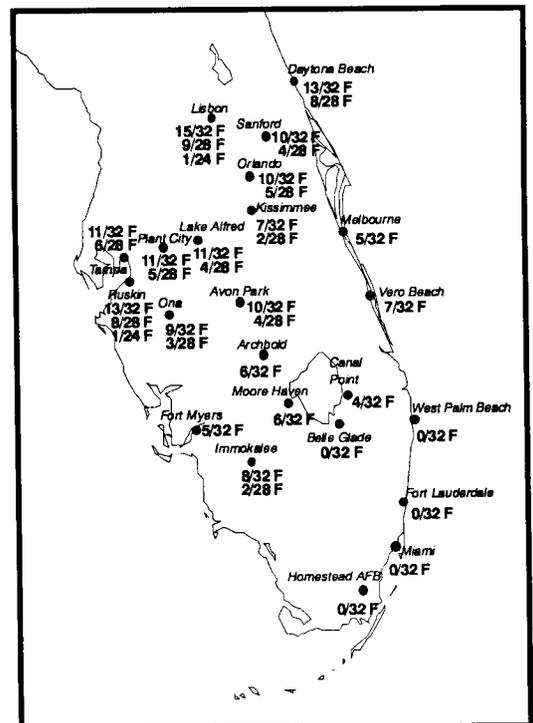
Freezing temperatures occurred only on the morning of February 5 across central and southern Florida.

LEGEND

9/32 F = 9 hours at or below 32 F
3/28 F = 3 hours at or below 28 F

15 = Extreme minimum temperature

Duration of Freezing Temperatures (Hours)



International Weather and Crop Summary

January 28 - February 3, 1996

HIGHLIGHTS

FSU-WESTERN: An adequate snow cover protected winter grains from bitterly cold weather.

EUROPE: Rain kept soils saturated in Portugal and southern Spain. Unseasonably cold, dry weather prevailed over winter grains in northern and eastern Europe.

NORTHWESTERN AFRICA: Wet weather continued over winter grain areas in Morocco and spread eastward over Algeria and Tunisia.

SOUTH AFRICA: Locally heavy rain covered central corn areas, but warmer, drier weather elsewhere hastened growth of reproductive corn.

AUSTRALIA: Drier, warmer weather dominated eastern Australia's main summer crop areas.

EASTERN ASIA: Dry, warmer weather prevailed across most of China, but winter wheat remained dormant across the North China Plain.

SOUTHEAST ASIA: Seasonable showers prevailed across most of the Philippines, Malaysia, and Indonesia.

SOUTH AMERICA: In Argentina, rain eased dryness for vegetative soybeans and filling corn. In southern Brazil, showers continued to favor reproductive soybeans.

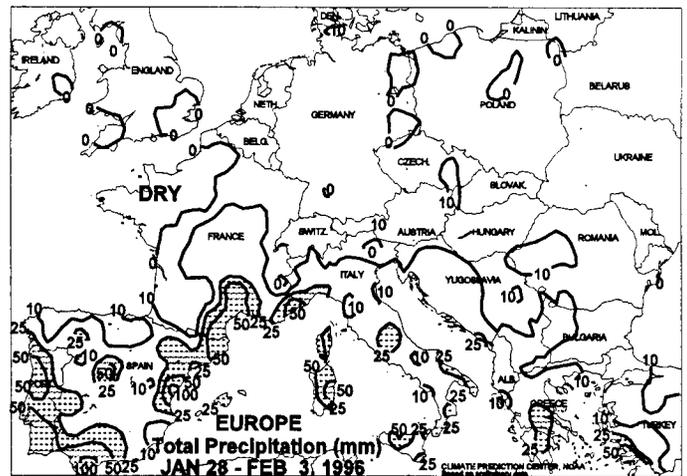
FSU-WESTERN

Light snow or flurries fell over winter grains in Ukraine, Russia, Belarus, and the Baltics, maintaining a widespread protective snow cover. Precipitation amounts generally ranged from 1 to 10 mm, with greatest amounts of snow (10-20 mm liquid equivalent) covering parts of northeastern Russia. An adequate snow cover in most areas protected winter grains from bitterly cold weather. Extreme minimum temperatures ranged from -20 degrees C to -30 degrees C over Ukraine, northern Russia, and Belarus. Extreme minimum temperatures over parts of southern Russia (lower Volga Valley, southern Black Soils Region, and the North Caucasus) ranged from -15 to -20 degrees C.

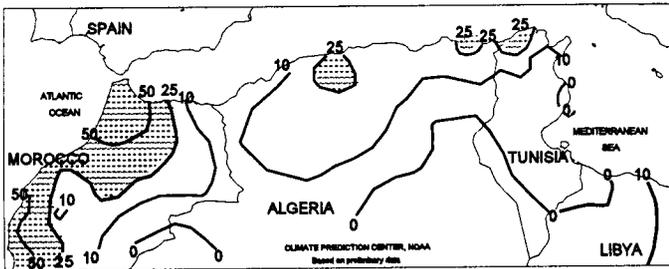


EUROPE

Widespread rain continued over crop areas in the Iberian Peninsula. Greatest amounts of rain (25-63 mm) fell over Portugal and southern Spain, maintaining abundant to excessive moisture for winter grains. The rain spread eastward over Italy and Greece, boosting moisture reserves. Farther north, unseasonably cold and generally dry weather prevailed over northern and eastern Europe where weekly average temperatures ranged from -2 to -5 degrees C below normal. In England, northern France, and Germany, extreme minimum temperatures ranging from -4 to -13 degrees C did not fall low enough to threaten winter grains. Lowest temperatures from Poland southward to Romania ranged from -15 to -20 degrees C. Snow cover in these areas was adequate to protect winter grains from widespread damage.



NORTHWEST AFRICA Total Precipitation (mm)
JAN 28 - FEB 3, 1996

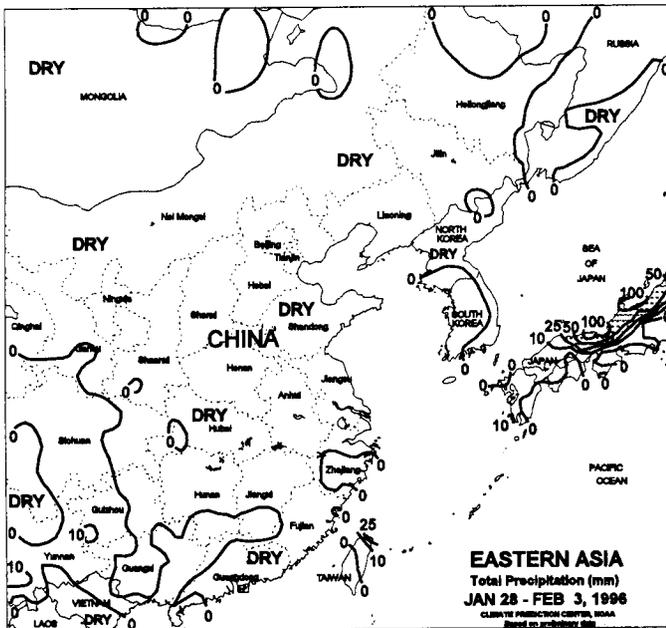


NORTHWESTERN AFRICA

Wet weather (25-50 mm) continued over winter grain areas in Morocco, maintaining abundant to excessive moisture conditions for winter grains in the vegetative stage. Based on available records, Casablanca, Morocco reported the wettest January since 1902. In Algeria and Tunisia, where much drier conditions have prevailed, rainfall increased this past week, ranging from 12 to 35 mm with local amounts in excess of 40 mm. The moisture in these areas improved conditions for winter grains in the vegetative stage.

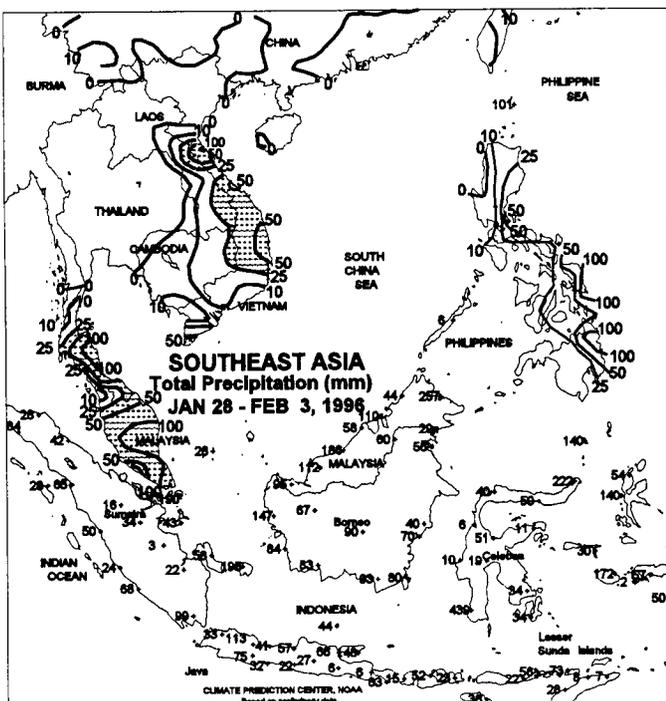
EASTERN ASIA

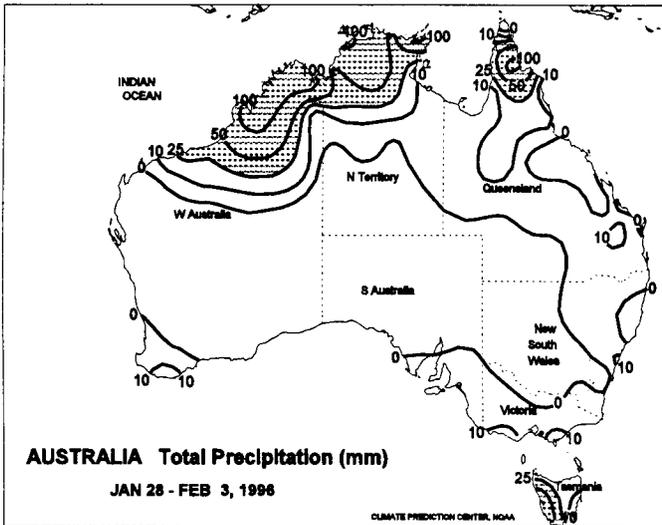
Dry, warmer weather covered most of China, but winter wheat remained dormant across the North China Plain. Temperatures averaged 2 to 3 degrees C above normal.



SOUTHEAST ASIA

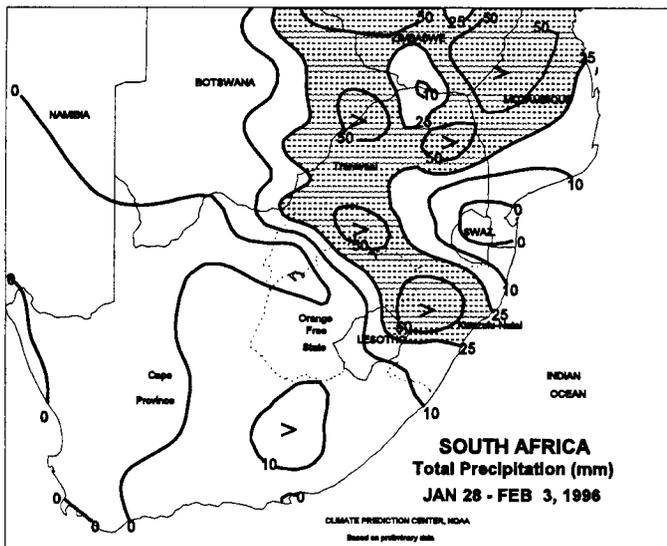
Seasonable showers (10-50 mm) fell across most of the Philippines, maintaining irrigation supplies for secondary crops. The drier weather eased excessive wetness in southern Luzon and the eastern Islands. Near-normal temperatures returned to Thailand after 2 weeks of warm weather. Moderate showers (20-50 mm, with isolated amounts greater than 100 mm) covered peninsular Thailand and Malaysia, and Java, maintaining irrigation supplies for main-season crops.





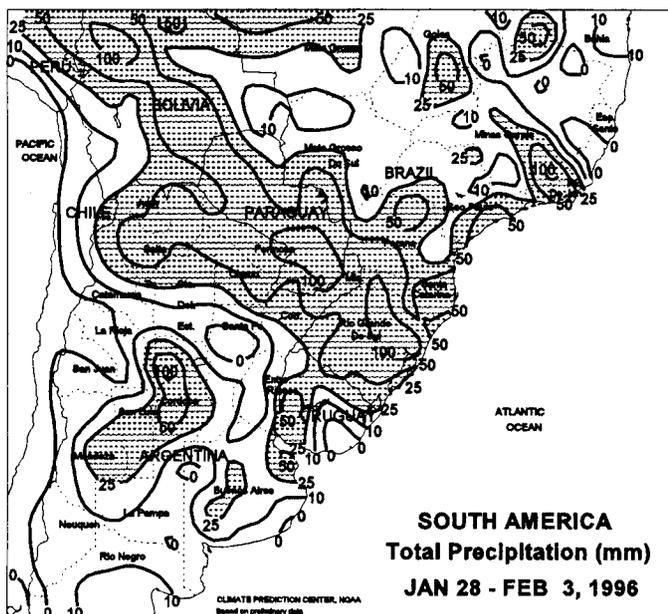
AUSTRALIA

Warm, mostly dry weather dominated eastern Australia, with just a few locations in the main summer crop areas receiving more than 25 mm. In fact, rainfall ranged from 2 to 30 mm in the main sorghum and cotton areas, with no rain falling in fringe western areas. Temperatures averaged 1 to 3 degrees C above normal over Queensland, including coastal sugarcane areas, and near to above normal in northern New South Wales. Highs ranged from 39 to 42 degrees C in the main summer crop areas, hastening growth of vegetative to reproductive cotton and sorghum. Moisture reserves are generally adequate to abundant in the main cotton and sorghum areas, but some northern and western crop areas have been trending dry since early January, and require additional rain. Farther south, continuing dryness reduced moisture for pastures in areas around southeastern South Australia. In New Zealand, light to moderate rain (10-25 mm or more) covered pastures in central North Island and northwestern South Island.



SOUTH AFRICA

Moderate to heavy rain (25-72 mm) continued over central sections of the corn belt, maintaining high soil moisture levels. Lighter rain (10-25 mm) fell in eastern corn areas, as well as rainfed sugarcane areas along the coast, allowing excessively wet fields a respite from the recent soggy conditions. In western corn areas, warmer, drier weather (high in the low to mid 30's C, rainfall totaling 10 mm or less) returned following weeks of beneficial rain. Corn across the region was advancing through reproduction and, except for a few areas that remained too wet, benefited from the drier weather.



SOUTH AMERICA

In central Argentina, light to moderate rain (10-35 mm) eased dryness for vegetative soybeans and filling corn. The rain fell across the important soybean region of southern Santa Fe, which had not received much rain the past several weeks. Cooler weather (maximum temperatures only in the mid to upper 20's C) by midweek kept crop water use at normal levels. However, as soybeans enter reproduction during early February, timely rainfall is needed since soil moisture levels have been inconsistent all season. Farther north, moderate showers (40-50 mm) benefited cotton. In southern Brazil, showers continued to favor reproductive soybeans. Moderate to heavy showers (40-90 mm, with isolated amounts greater than 100 mm) covered northern Rio Grande do Sul into northern Parana, keeping soil moisture high for the third straight week. Elsewhere across southern Brazil, light to moderate (10-40 mm) rain kept soil moisture at adequate levels for soybeans. In southern Paraguay, moderate to heavy showers (35-150 mm) aided cotton and soybeans.

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(Continued from front cover)

northern Texas to the **northern Middle Atlantic region** and **southern New England**. Prior to striking the **Southeast**, the system dropped much-needed rain on parts of the **Southwest**, including more than 2 inches at midweek in **Los Angeles, CA**.

During the first half of the week, a storm crossed the **Nation's northern tier**, producing snow and allowing frigid air to push southward across the **Northwestern and North-Central States**. Snow fell at sea level in the **Northwest**, where 3.3 inches whitened **Seattle, WA** on January 28-29. Farther east, **Williston, ND** received 3.1 inches of snow on Sunday despite a high of -9°F. Lake-enhanced snowfall buried **Sault Sainte Marie, MI** beneath a storm total of 18.5 inches, boosting their seasonal total to an all-time record 180.4 inches. The storm reached the **Northeast** on January 30-31, adding as much as 2 inches to all-time monthly record totals that reached 37.4 inches in **Providence, RI** and 38.9 inches in **Harrisburg, PA**. Similarly, the storm increased January-record snowfalls to 43.1 inches in **Windsor Locks, CT** and 39.8 inches in **Boston, MA**.

Strong winds and warmth preceded the early-week storm's cold front. On Sunday, southerly winds gusted to 49 mph in **Wichita, KS** and **Abilene, TX**, while highs soared to 74°F in **Midland, TX** and 65°F in **Dodge City, KS**. Later in the day, however, cold air swept into the **central Plains** on northwesterly winds clocked to 59 mph in **Dodge City** and 52 mph in **North Platte, NE**. On Tuesday, highs remained below zero as far south as **Omaha, NE** (-1°F) and **Dubuque, IA** (-3°F), while the first half-dozen of the outbreak's 175 daily-record lows (through February 3) were set in the **northern Plains**. In **Montana**, daily records included -37°F in **Miles City** and **Helena**. Farther south, **Houston, TX** notched a daily-record-tying high of 82°F.

On Wednesday, the first of two Arctic airmasses cloaked areas from the **Northwest** to the **Midwest**, dropping lows to -17°F in **Yakima, WA** and a daily record of -21°F in **Moline, IL**. Arctic air reached **western Oregon**, borne on easterly wind gusts to 45 mph in **Portland**. A day later in **Minnesota**, the temperature struggled to reach -25°F in **International Falls**, a February record. The second wave of cold overwhelmed the **North-Central States** on Friday, lowering the temperature to a State-record -60°F in **Tower, MN**. Elsewhere in **Minnesota**, February records were established in **International Falls** (-45°F), **St. Cloud** (-40°F), and **Duluth** (-39°F). A February record was also broken in **Waterloo, IA** (-31°F). Meanwhile in **Kansas**, **Concordia's** daily-record low of -14°F occurred despite the absence of snow cover.

In **eastern Tennessee**, snow depths on Saturday morning stood at 12 inches in **Crossville** and 13 inches in **Bristol**. Farther east, 16 inches covered **Lexington Park, MD**. Elsewhere, storm-total snowfall included 4.6 inches in **Amarillo, TX**, 5.0 inches in **Tulsa, OK**, 11.1 inches in **Charleston, WV**, and 7.5 inches in **New York City**. Ice and snow accumulations totaled 0.4 inches in both **Greenville-Spartanburg, SC** and **Atlanta, GA**. Farther west, one of the coldest airmasses on record gripped the **Midwest**, resulting in a State-record-tying -35°F low in **Elizabeth, IL**. In **Wisconsin**, **Milwaukee's** low of -26°F tied their all-time record, while **Madison's** reading of -29°F set their February record. February records were tied in **LaCrosse, WI** (-36°F) and broken in **Moline, IL** (-28°F). Farther south, wheat was subjected to daily-record cold in locations such as **Springfield, IL** (-19°F), their fifth coldest morning on record, and **Tribune, KS** (-20°F). Extreme **southern Texas**, however, escaped the severe freeze, as **Brownsville's** low fell only to 32°F.

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