

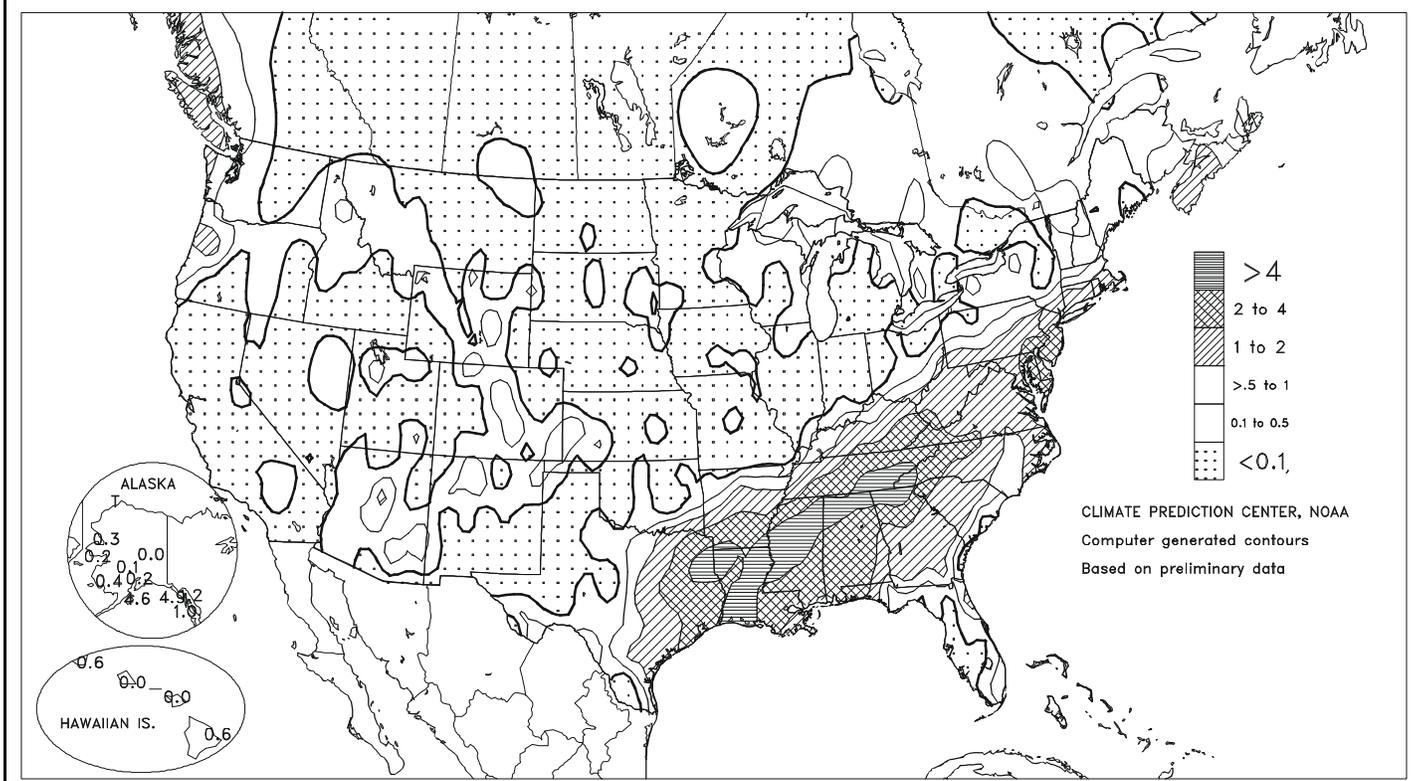
# WEEKLY WEATHER AND CROP BULLETIN

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

## Total Precipitation (Inches)

JAN 14 - 20, 2001



## HIGHLIGHTS

January 14 - 20, 2001

Highlights provided by USDA/WAOB

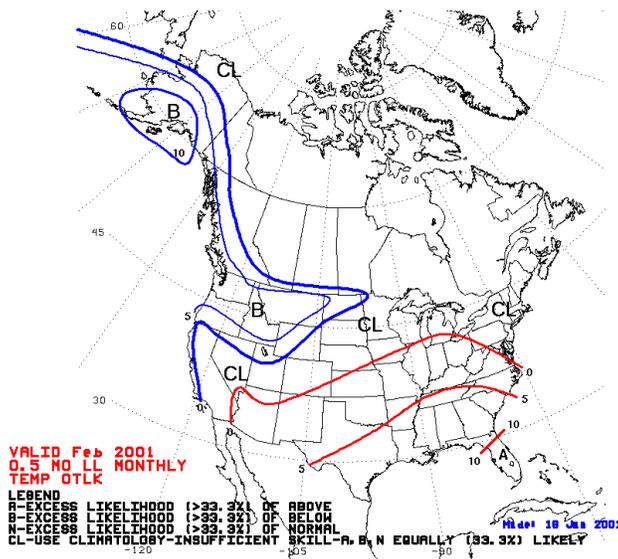
**H**eavy rain returned to the **South**, further easing long-term moisture deficits but leaving fields and feedlots muddy or with standing water. Weekly rainfall totaled 4 inches or more in many locations from **easternmost Texas to the southern Appalachians**. In contrast, drought-affected **Peninsular Florida** remained mostly dry, maintaining heavy citrus irrigation requirements. Cold weather reached deep into the **West** and **South**, bringing generally minor freezes to **California's San Joaquin Valley** on January 17-18, and to **extreme southern Texas** on January 20. Weekly temperatures averaged as much as 7°F below normal in **southern California**, following the

(Continued on page 5)

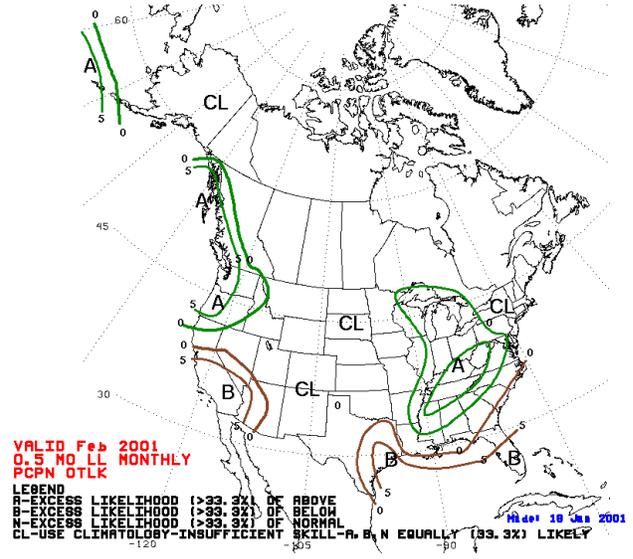
## Contents

|   |    |
|---|----|
| <b>February &amp; February-April Outlooks</b> .....                                   | 2  |
| Weather Data for the Delta and Bootheel & Temperature Departure Map .....             | 3  |
| Extreme Maximum & Minimum Temperature Maps .....                                      | 4  |
| <b>Satellite Image of Southern/Eastern Winter Storm</b> .....                         | 5  |
| National Weather Data for Selected Cities .....                                       | 6  |
| National Agricultural Summary & Snow Cover Map .....                                  | 9  |
| International Weather and Crop Summary .....  | 10 |
| <b>La Niña Update, January 11, 2001</b> .....   | 14 |
| <b>Comparison of December 1989 vs January 2001 Florida Citrus Freeze Survey</b> ..... | 15 |
| Subscription Information & January 16 Drought Monitor .....                           | 16 |

# Monthly Temperature & Precipitation Outlook

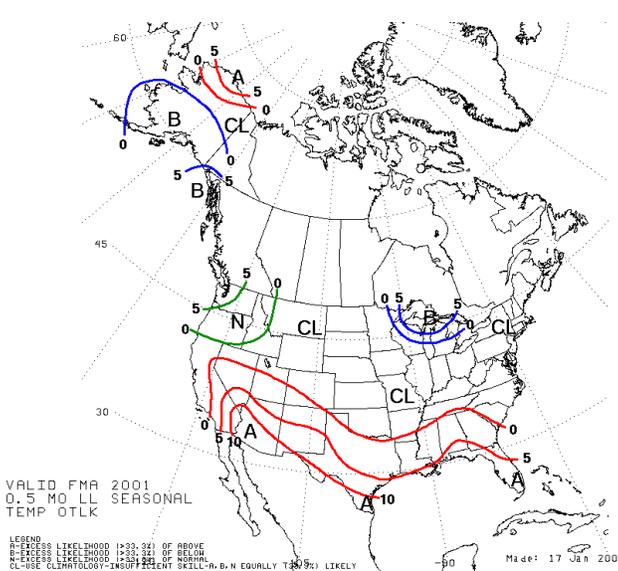


Monthly Temperature Outlook for February 2001 was issued by the Climate Prediction Center (NOAA/NWS). Above-normal temperatures are expected across the central and southern United States, while below-normal (B) temperatures are forecast to persist in the Pacific Northwest, the northern Rockies, and much of Alaska. For the Great Lakes and Northeast, there are no strong forecast indicators for neither above nor below normal temperatures, so climatology (CL) is forecast for these regions.

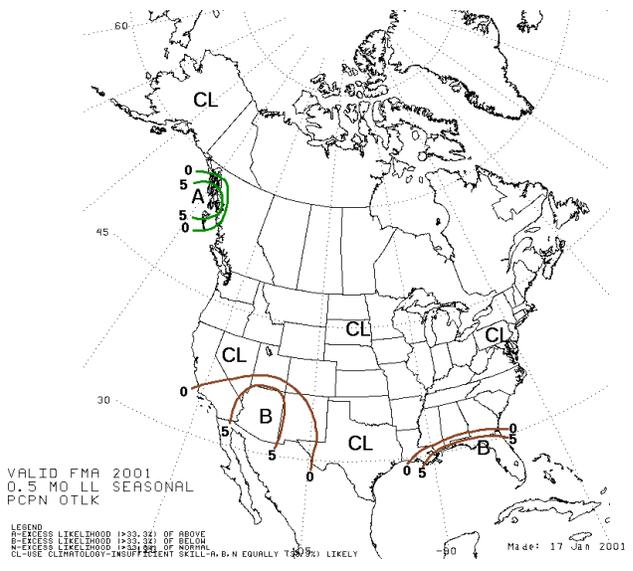


Monthly Precipitation Outlook for February 2001 was issued by the Climate Prediction Center (NOAA/NWS). Below-normal precipitation (B) is forecast for Florida, eastern Texas, and the far southwestern United States. Conversely, above-normal precipitation (A) is expected from the Great Lakes south and east to the Appalachians and interior Mid-Atlantic. Likewise, the Pacific Northwest is also forecast to see above-normal precipitation. For the Northeast, Great Plains, and Rocky Mountains, climatology (CL) is forecast.

# Seasonal Temperature & Precipitation Outlook



Seasonal Temperature Outlook for February to April 2001 was issued by the Climate Prediction Center (NOAA/NWS). Above-normal (A) temperatures are forecast for the southern tier of the United States westward into the Southwest, with below-normal temperatures (B) confined to the northern Great Lakes and southern Alaska. Temperatures expected to be near normal (N) across the Pacific Northwest. Climatology (CL) is forecast for the rest of the country since forecast indicators favor neither above- nor below-normal temperatures.



Seasonal Precipitation Outlook for February to April 2001 was issued by the Climate Prediction Center (NOAA/NWS). Below-normal precipitation is forecast to persist in Florida and the Southwest. Climatology (CL) is forecast for the rest of the United States, including Alaska.

# Weather Data for Selected Locations in the Delta and the Bootheel

## Weather Data for the Week Ending January 20, 2001

Data provided by the Mississippi State Delta Research and Extension Center (DREC),  
the Southern Regional Climate Center (SRCC), and the University of Missouri.

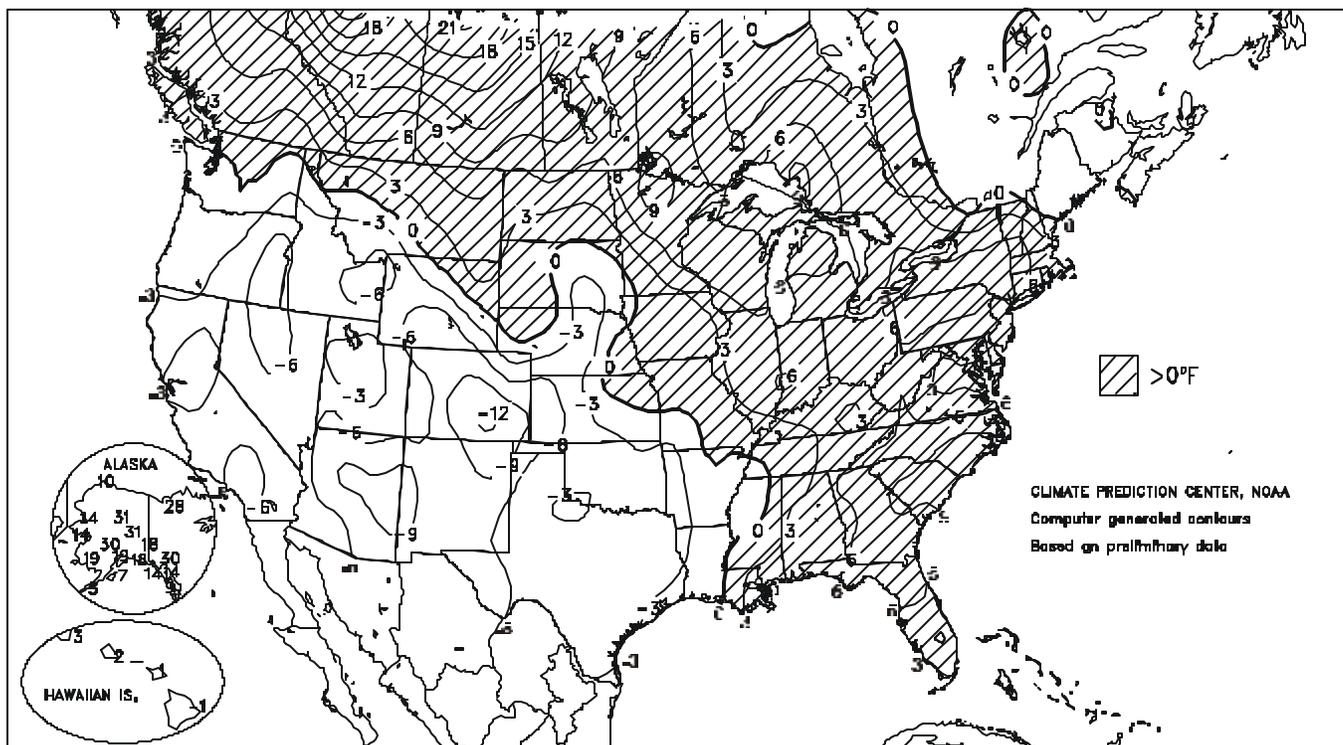
| STATES AND STATIONS | TEMPERATURE EF  |                 |              |             |         |                       | PRECIPITATION     |                       |                          |                       |                         |                       |                         | 4-INCH SOIL TEMP, °F |                 | 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. EF       |              | PRECIP           |                  |
|                     |                 |                 |              |             |         |                       |                   |                       |                          |                       |                         |                       |                         |                      |                 | 90 AND ABOVE   | 32 AND BELOW | 0.1 INCH OR MORE | 0.5 INCH OR MORE |
| MS BATESVILLE *     | 46              | 34              | 56           | 27          | 40      | 0                     | 2.40              | 1.35                  | 1.25                     | 6.56                  | 74                      | 2.97                  | 98                      | -                    | -               | 0              | 3            | 3                | 2                |
| MS BELZONI *        | 49              | 38              | 57           | 35          | 44      | 1                     | 6.16              | 4.85                  | 3.33                     | 12.83                 | 134                     | 7.47                  | 198                     | -                    | -               | 0              | 0            | 6                | 3                |
| MS CLARKSDALE *     | 45              | 34              | 57           | 28          | 40      | 0                     | 3.07              | 2.02                  | 1.56                     | 7.00                  | 86                      | 3.37                  | 112                     | -                    | -               | 0              | 2            | 4                | 2                |
| MS CLEVELAND *      | 46              | 35              | 59           | 28          | 41      | -2                    | 3.72              | 2.46                  | 1.64                     | 10.88                 | 140                     | 4.64                  | 158                     | -                    | -               | 0              | 1            | 5                | 2                |
| MS GREENVILLE *     | 44              | 36              | 56           | 27          | 40      | -3                    | 4.74              | 3.67                  | 1.96                     | 11.46                 | 137                     | 5.63                  | 179                     | -                    | -               | 0              | 1            | 4                | 3                |
| MS GREENWOOD *      | 47              | 35              | 60           | 27          | 41      | -3                    | 5.99              | 4.94                  | 3.01                     | 11.89                 | 141                     | 6.98                  | 224                     | -                    | -               | 0              | 2            | 5                | 3                |
| MS INDIANOLA 1S     | 45              | 38              | 59           | 30          | 42      | -                     | 3.85              | -                     | 1.90                     | 10.86                 | -                       | 4.90                  | -                       | 46                   | 42              | 0              | 1            | 5                | 3                |
| MS INVERNESS 5E     | 46              | 38              | 60           | 30          | 42      | -                     | 3.73              | -                     | 1.54                     | 8.59                  | -                       | 4.43                  | -                       | -                    | -               | 0              | 1            | 5                | 3                |
| MS LYON             | 44              | 34              | 56           | 28          | 39      | -                     | 2.61              | -                     | 1.35                     | 5.35                  | -                       | 3.11                  | -                       | -                    | -               | 0              | 1            | 5                | 2                |
| MS MOORHEAD *       | 46              | 38              | 60           | 30          | 42      | -1                    | 3.64              | 2.52                  | 1.19                     | 9.96                  | 110                     | 4.76                  | 147                     | -                    | -               | 0              | 1            | 6                | 3                |
| MS ONWARD           | 46              | 38              | 61           | 29          | 42      | -                     | 4.76              | -                     | 2.79                     | 9.95                  | -                       | 5.76                  | -                       | 45                   | 42              | 0              | 1            | 5                | 3                |
| MS ROLLING FORK *   | 49              | 36              | 64           | 28          | 43      | 1                     | 5.85              | 4.66                  | 3.26                     | 12.92                 | 146                     | 7.02                  | 202                     | -                    | -               | 0              | 1            | 5                | 3                |
| MS SIDON            | 46              | 38              | 59           | 30          | 42      | -                     | 4.86              | -                     | 2.26                     | 8.33                  | -                       | 5.72                  | -                       | -                    | -               | 0              | 1            | 5                | 3                |
| MS TUNICA *         | 45              | 34              | 55           | 27          | 40      | 1                     | 2.83              | 1.85                  | 1.36                     | 6.30                  | 73                      | 3.44                  | 115                     | -                    | -               | 0              | 1            | 4                | 2                |
| MS TUNICA 1W        | 43              | 33              | 54           | 27          | 38      | -                     | 2.42              | -                     | 1.04                     | 6.00                  | -                       | 3.14                  | -                       | 42                   | 40              | 0              | 2            | 5                | 2                |
| MS VANCE            | 44              | 35              | 57           | 29          | 40      | -                     | 3.39              | -                     | 1.43                     | 8.39                  | -                       | 4.07                  | -                       | 42                   | 41              | 0              | 2            | 5                | 3                |
| MS VICKSBURG *      | 50              | 37              | 63           | 30          | 44      | -3                    | 4.35              | 3.02                  | 3.12                     | 10.21                 | 109                     | 5.47                  | 144                     | -                    | -               | 0              | 1            | 7                | 2                |
| MS YAZOO CITY *     | 49              | 38              | 62           | 31          | 44      | -1                    | 7.04              | 5.71                  | 4.98                     | 13.14                 | 132                     | 8.48                  | 226                     | -                    | -               | 0              | 1            | 7                | 3                |
| MS STONEVILLE *     | 47              | 36              | 61           | 28          | 42      | 1                     | 4.81              | 3.83                  | 2.05                     | 12.13                 | 134                     | 5.56                  | 167                     | 47                   | 41              | 0              | 1            | 5                | 3                |
| MO CARDWELL         | 40              | 31              | 50           | 26          | 35      | 0                     | 0.71              | -0.10                 | 0.45                     | 1.89                  | 27                      | 1.31                  | 62                      | -                    | -               | 0              | 3            | 2                | 0                |
| MO CHARLESTON       | 39              | 30              | 47           | 22          | 34      | 2                     | 0.34              | -0.25                 | 0.25                     | 1.49                  | 24                      | 0.49                  | 31                      | -                    | -               | 0              | 5            | 3                | 0                |
| MO CLARKTON         | 39              | 31              | 48           | 24          | 35      | 3                     | 0.50              | -0.16                 | 0.39                     | 3.26                  | 52                      | 1.01                  | 55                      | -                    | -               | 0              | 4            | 3                | 0                |
| MO DELTA            | 38              | 29              | 47           | 22          | 34      | 2                     | 0.11              | -0.90                 | 0.06                     | 2.86                  | 39                      | 0.33                  | 15                      | -                    | -               | 0              | 5            | 2                | 0                |
| MO GLENNONVILLE     | 39              | 31              | 48           | 25          | 35      | 3                     | 0.41              | -0.25                 | 0.29                     | 2.57                  | 41                      | 0.85                  | 46                      | -                    | -               | 0              | 4            | 3                | 0                |
| MO PORTAGEVILLE #1  | 40              | 32              | 49           | 24          | 35      | 2                     | 0.57              | -0.30                 | 0.46                     | 3.40                  | 47                      | 0.98                  | 45                      | -                    | -               | 0              | 4            | 3                | 0                |
| MO PORTAGEVILLE #2  | 40              | 32              | 49           | 25          | 35      | 2                     | 0.49              | -0.38                 | 0.38                     | 1.56                  | 22                      | 0.90                  | 41                      | -                    | -               | 0              | 3            | 3                | 0                |
| MO STEELE           | 40              | 32              | 50           | 26          | 36      | 2                     | 0.76              | -0.11                 | 0.56                     | 4.48                  | 59                      | 1.37                  | 61                      | -                    | -               | 0              | 4            | 2                | 1                |

Compiled by USDA/OCE/WAOB's Stoneville Field Office. \* Based on 1964-93 normals. \* Based on 1961-90 normals.

**Delta and Bootheel Weather and Crop Summary:** Temperatures remained near normal for much of the Delta and Bootheel. Although precipitation was below normal in the Bootheel, the Delta received flooding rains, totaling more than 6 inches in several locations. Widespread lowland flooding was reported in many areas.

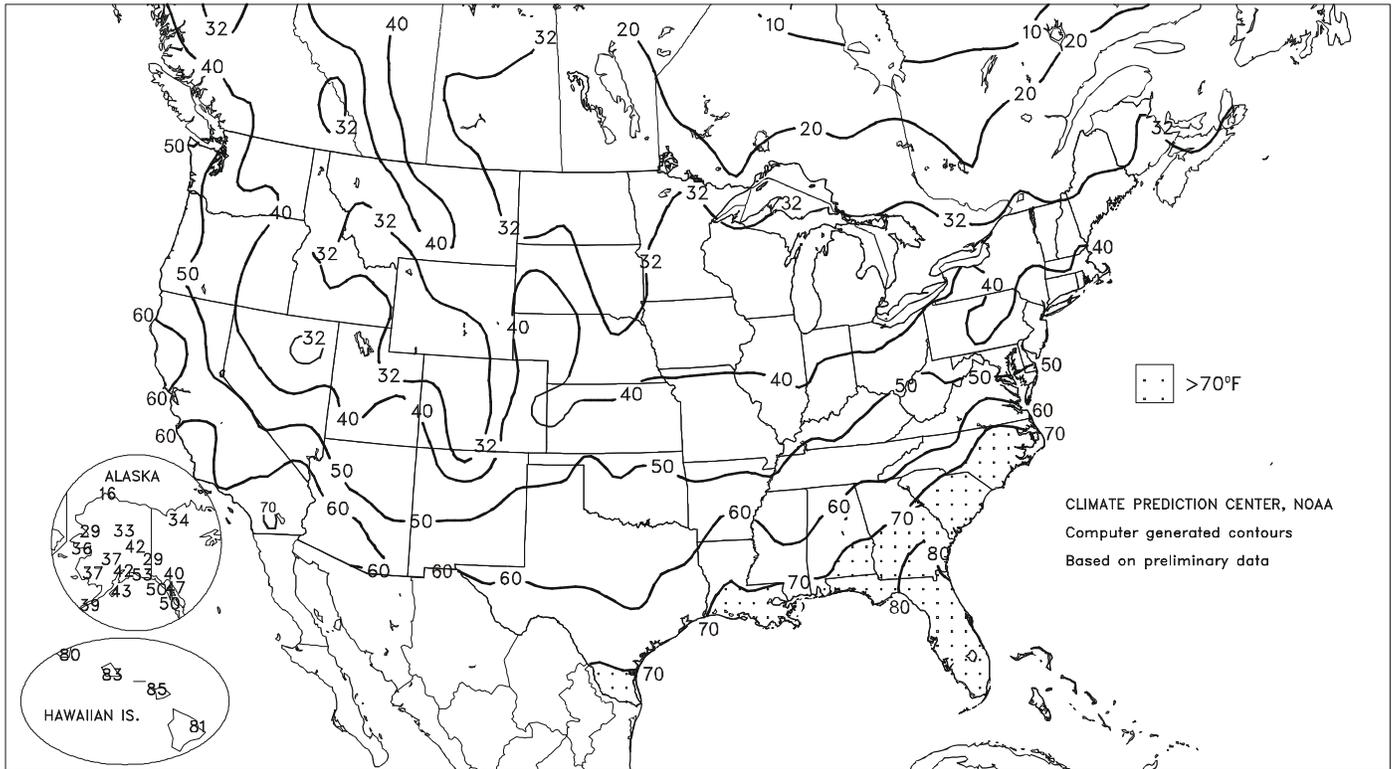
### Departure of Average Temperature from Normal (°F)

JAN 14 - 20, 2001



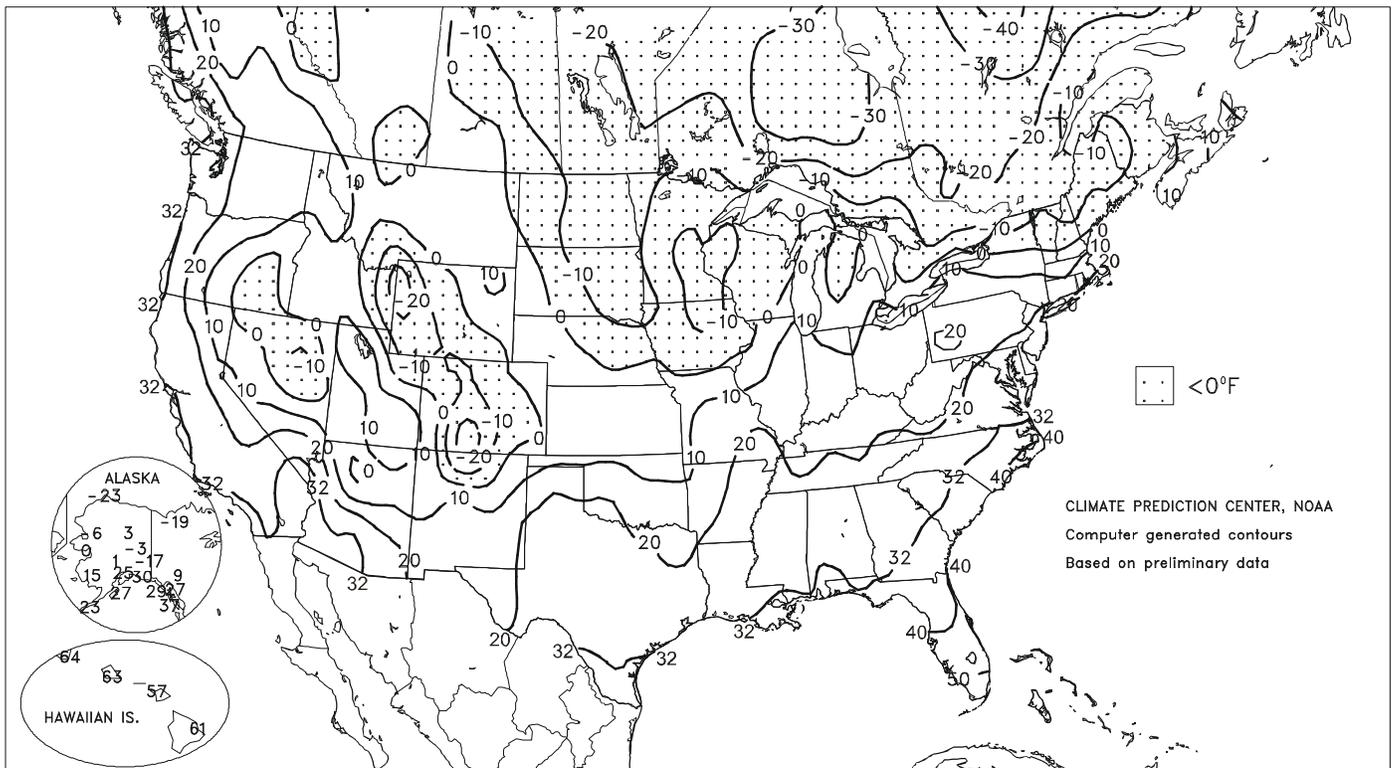
Extreme Maximum Temperature (°F)

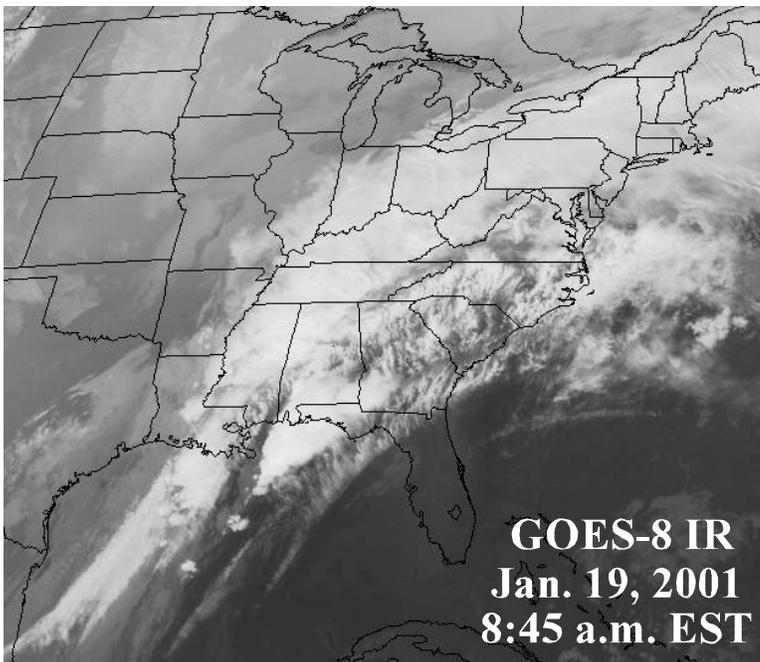
JAN 14 - 20, 2001



Extreme Minimum Temperature (°F)

JAN 14 - 20, 2001





**Southern/Eastern Winter Storm:** Moisture scuttles northeastward in advance of a strong upper-level disturbance centered over the middle Mississippi Valley (left). Storm-total rainfall exceeded 4 inches in many locations from easternmost Texas to the southern Appalachians, easing long-term moisture deficits but halting fieldwork. Through January 20, month-to-date precipitation reached 5.55 inches in Lake Charles, LA, 4.87 inches in Tupelo, MS, 4.72 inches in Chattanooga, TN, and 4.53 inches in Huntsville, AL. In contrast, Florida's peninsula received only light showers from the storm system, maintaining heavy citrus irrigation requirements. January 1-20 rainfall in Florida remained as low as a trace in Ft. Myers and 0.06 inch in Melbourne. Farther north, significant snow fell on January 20-21 from the Ohio Valley into the northern Mid-Atlantic region and southern New England, totaling 6 to 12 inches in many locations.

*(Continued from front cover)*

previous week's heavy precipitation, and 8 to 14°F below normal in the **southern Rockies**, where additional snow fell. Sharply colder weather overspread the **Southeast**, including **Florida**, at week's end, reversing a short-lived warm spell that pushed weekly temperatures 2 to 12°F above normal. Meanwhile, snow cover remained extensive across the **Nation's northern tier**, especially from **eastern Montana** into the **Northeast**. Early in the week, beneficial snow blanketed winter wheat areas on the **central High Plains**, although the ground remained bare in much of **western Nebraska** and adjacent areas. A late-week storm system produced significant snow, totaling 6 to 12 inches in many locations, from the **middle Ohio Valley** into the **northern Mid-Atlantic region** and **southern New England**.

Cool weather lingered across areas from **California** to the **central and southern Plains** for much of the week. On Sunday in **southern California**, **Simi Valley's** low of 40°F represented their second consecutive daily record. Consecutive record lows were also established in **Eureka, NV** on January 16 (-9°F) and 17 (-13°F). Also on January 17, daily records were noted in locations such as **Randolph, UT** (-23°F) and **Pueblo, CO** (-15°F, aided by an 8-inch snow cover). Freeze warnings were posted on consecutive mornings (January 17 and 18) in **California's San Joaquin Valley**. **Bakersfield, CA** registered consecutive lows of 30°F, while nearby **Wasco** recorded 24°F on both mornings. The cold air reached **southern Texas** on Saturday, where **Brownsville's** low of 32°F was well shy of their record for the date (27°F in 1883).

The slow-moving storm system that helped to drain cold air deep into the **West** and **South** also soaked the **South** and **East**. Through January 20, month-to-date precipitation reached 4.59 inches in **Shreveport, LA** and 4.52 inches in **Jackson, MS**.

Warm air briefly spread across the **Southeast** in advance of the system, resulting in daily-record highs on Friday in locations such as **Melbourne, FL** (85°F), **Florence, SC** (78°F), and **Raleigh-Durham, NC** (73°F). After merging with a disturbance crossing the **Midwest**, the storm brought snow to portions of the **Nation's northeastern quadrant**. Storm-total (January 20-21) snowfall reached 6.0 inches at both **Boston, MA** and **New York's Central Park**.

Meanwhile, cold-season precipitation deficits continued to mount in much of the **West**, especially from the **northern half of the Pacific Coast** eastward to the **northern Rockies**. In **Oregon**, October 1 to January 21 precipitation totaled 17.85 inches (54 percent of normal) in **Astoria** and 9.92 inches (49 percent) in **Salem**. During the same period, only 14.15 inches (54 percent of normal) dampened **Olympia, WA**.

Record warmth overspread **Alaska**, pushing weekly temperatures more than 30°F above normal in some interior sections of the State. High temperatures topped 40°F as far north as **Fairbanks**, where the mercury reached 42°F on January 14. **Fairbanks'** highs reached or exceeded 42°F on just 12 other January days during the 97-year period of record. Meanwhile in **Hawaii**, warm weather (up to 3°F above normal) accompanied another mostly dry week. Following a mostly dry year in 2000 that featured less than half of the normal rainfall at three of Hawaii's four major reporting stations (**Honolulu** received 7.11 inches, or 32 percent of normal; **Kahului** netted 9.78 inches, or 47 percent; and **Lihue** recorded 18.01 inches, or 42 percent), the new year has opened on a very dry note.

National Weather Data for Selected Cities

Weather Data for the Week Ending January 20, 2001

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

| STATES AND STATIONS | TEMPERATURE EF  |                 |              |             |         |                       | 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. EF     |              | PRECIP.          |                  |   |
|                     |                 |                 |              |             |         |                       |                   |                       |                          |                       |                         |                       |                            |                 |                 | 90 AND ABOVE | 32 AND BELOW | 0.1 INCH OR MORE | 5.0 INCH OR MORE |   |
| AL                  | BIRMINGHAM      | 53              | 38           | 64          | 26      | 45                    | 4                 | 2.70                  | 1.55                     | 1.38                  | 5.74                    | 68                    | 3.90                       | 116             | 90              | 69           | 0            | 1                | 5                | 2 |
|                     | HUNTSVILLE      | 47              | 35           | 55          | 27      | 41                    | 2                 | 4.04                  | 2.88                     | 1.87                  | 8.17                    | 88                    | 4.54                       | 132             | 96              | 88           | 0            | 2                | 4                | 2 |
|                     | MOBILE          | 62              | 46           | 71          | 30      | 54                    | 4                 | 2.33                  | 1.28                     | 1.12                  | 6.45                    | 77                    | 2.65                       | 86              | 96              | 81           | 0            | 1                | 4                | 2 |
|                     | MONTGOMERY      | 58              | 41           | 70          | 27      | 50                    | 4                 | 1.61                  | 0.56                     | 1.09                  | 7.41                    | 90                    | 2.40                       | 79              | 97              | 70           | 0            | 1                | 5                | 1 |
| AK                  | ANCHORAGE       | 39              | 30           | 42          | 25      | 34                    | 19                | 0.23                  | 0.06                     | 0.08                  | 1.64                    | 99                    | 1.01                       | 191             | 83              | 73           | 0            | 5                | 4                | 0 |
|                     | BARROW          | 3               | -9           | 16          | -23     | -3                    | 10                | 0.02                  | -0.01                    | 0.01                  | 0.87                    | 363                   | 0.64                       | 800             | 85              | 81           | 0            | 7                | 2                | 0 |
|                     | FAIRBANKS       | 33              | 9            | 42          | -3      | 21                    | 32                | 0.00                  | -0.10                    | 0.00                  | 0.30                    | 25                    | 0.14                       | 42              | 83              | 72           | 0            | 7                | 0                | 0 |
|                     | JUNEAU          | 42              | 35           | 47          | 27      | 38                    | 14                | 1.22                  | 0.18                     | 0.47                  | 8.83                    | 119                   | 4.66                       | 156             | 96              | 92           | 0            | 1                | 6                | 0 |
|                     | KODIAK          | 41              | 33           | 43          | 27      | 37                    | 7                 | 4.59                  | 2.90                     | 1.19                  | 21.56                   | 184                   | 9.33                       | 191             | 93              | 87           | 0            | 2                | 7                | 4 |
|                     | NOME            | 28              | 15           | 36          | 0       | 22                    | 15                | 0.24                  | 0.06                     | 0.12                  | 2.28                    | 166                   | 0.84                       | 156             | 83              | 77           | 0            | 7                | 3                | 0 |
| AZ                  | FLAGSTAFF       | 33              | 3            | 45          | -3      | 18                    | -11               | 0.73                  | 0.28                     | 0.59                  | 2.95                    | 79                    | 2.74                       | 204             | 90              | 50           | 0            | 7                | 2                | 1 |
|                     | PHOENIX         | 58              | 40           | 66          | 36      | 49                    | -5                | 0.42                  | 0.28                     | 0.25                  | 1.31                    | 90                    | 1.31                       | 291             | 78              | 58           | 0            | 0                | 2                | 0 |
|                     | TUCSON          | 55              | 33           | 62          | 29      | 44                    | -7                | 0.13                  | -0.06                    | 0.13                  | 1.18                    | 71                    | 1.18                       | 200             | 87              | 61           | 0            | 3                | 1                | 0 |
|                     | YUMA            | 63              | 43           | 68          | 39      | 53                    | -3                | 0.01                  | -0.07                    | 0.01                  | 0.33                    | 48                    | 0.33                       | 138             | 60              | 46           | 0            | 1                | 1                | 0 |
| AR                  | FORT SMITH      | 43              | 27           | 51          | 15      | 35                    | -2                | 0.43                  | 0.02                     | 0.28                  | 4.18                    | 98                    | 0.99                       | 79              | 94              | 65           | 0            | 7                | 3                | 0 |
|                     | LITTLE ROCK     | 44              | 32           | 57          | 22      | 38                    | -1                | 1.10                  | 0.35                     | 0.65                  | 5.91                    | 83                    | 2.37                       | 103             | 95              | 64           | 0            | 3                | 4                | 1 |
| CA                  | BAKERSFIELD     | 51              | 35           | 53          | 30      | 43                    | -5                | 0.00                  | -0.19                    | 0.00                  | 1.01                    | 88                    | 1.01                       | 194             | 91              | 82           | 0            | 3                | 0                | 0 |
|                     | FRESNO          | 52              | 32           | 61          | 29      | 42                    | -4                | 0.00                  | -0.45                    | 0.00                  | 1.57                    | 59                    | 1.50                       | 121             | 94              | 82           | 0            | 5                | 0                | 0 |
|                     | LOS ANGELES     | 62              | 43           | 71          | 41      | 53                    | -4                | 0.00                  | -0.56                    | 0.00                  | 3.54                    | 112                   | 3.54                       | 238             | 62              | 39           | 0            | 0                | 0                | 0 |
|                     | REDDING         | 53              | 30           | 60          | 27      | 42                    | -3                | 0.00                  | -1.39                    | 0.00                  | 4.91                    | 52                    | 3.02                       | 76              | 76              | 52           | 0            | 5                | 0                | 0 |
|                     | SACRAMENTO      | 54              | 35           | 57          | 29      | 44                    | -1                | 0.00                  | -0.87                    | 0.00                  | 3.84                    | 78                    | 2.18                       | 91              | 84              | 40           | 0            | 2                | 0                | 0 |
|                     | SAN DIEGO       | 61              | 44           | 68          | 41      | 53                    | -4                | 0.00                  | -0.41                    | 0.00                  | 2.64                    | 96                    | 2.63                       | 223             | 71              | 51           | 0            | 0                | 0                | 0 |
|                     | SAN FRANCISCO   | 54              | 41           | 56          | 37      | 48                    | -1                | 0.00                  | -1.02                    | 0.00                  | 2.68                    | 45                    | 2.24                       | 79              | 77              | 61           | 0            | 0                | 0                | 0 |
|                     | STOCKTON        | 54              | 32           | 56          | 25      | 43                    | -2                | 0.00                  | -0.66                    | 0.00                  | 2.12                    | 53                    | 1.74                       | 94              | 88              | 73           | 0            | 3                | 0                | 0 |
| CO                  | ALAMOSA         | 25              | -13          | 32          | -21     | 6                     | -8                | 0.12                  | 0.06                     | 0.12                  | 0.23                    | 38                    | 0.12                       | 71              | 84              | 63           | 0            | 7                | 1                | 0 |
|                     | CO SPRINGS      | 27              | 6            | 37          | -2      | 17                    | -12               | 0.35                  | 0.29                     | 0.30                  | 0.60                    | 92                    | 0.35                       | 184             | 88              | 49           | 0            | 7                | 2                | 0 |
|                     | DENVER          | 34              | 11           | 40          | 4       | 22                    | -8                | 0.19                  | 0.08                     | 0.19                  | 0.47                    | 49                    | 0.19                       | 59              | 87              | 39           | 0            | 7                | 1                | 0 |
|                     | GRAND JUNCTION  | 32              | 12           | 37          | 7       | 22                    | -3                | 0.00                  | -0.13                    | 0.00                  | 0.52                    | 52                    | 0.34                       | 87              | 82              | 61           | 0            | 7                | 0                | 0 |
|                     | PUEBLO          | 32              | -2           | 47          | -15     | 15                    | -15               | 0.41                  | 0.33                     | 0.40                  | 0.62                    | 95                    | 0.41                       | 178             | 87              | 65           | 0            | 7                | 2                | 0 |
| CT                  | BRIDGEPORT      | 38              | 29           | 44          | 20      | 33                    | 4                 | 1.12                  | 0.39                     | 0.68                  | 4.77                    | 85                    | 2.02                       | 95              | 92              | 77           | 0            | 4                | 4                | 1 |
|                     | HARTFORD        | 36              | 23           | 43          | 14      | 30                    | 6                 | 0.51                  | -0.25                    | 0.37                  | 4.09                    | 66                    | 0.76                       | 34              | 92              | 74           | 0            | 7                | 3                | 0 |
| DC                  | WASHINGTON      | 44              | 34           | 49          | 28      | 39                    | 5                 | 1.38                  | 0.77                     | 1.01                  | 3.64                    | 74                    | 1.63                       | 92              | 96              | 72           | 0            | 1                | 5                | 1 |
| DE                  | WILMINGTON      | 40              | 30           | 46          | 22      | 35                    | 5                 | 1.83                  | 1.15                     | 1.10                  | 4.83                    | 88                    | 2.03                       | 102             | 96              | 76           | 0            | 5                | 5                | 1 |
| FL                  | DAYTONA BEACH   | 76              | 51           | 84          | 38      | 64                    | 7                 | 0.28                  | -0.34                    | 0.28                  | 1.25                    | 29                    | 0.45                       | 26              | 98              | 55           | 0            | 0                | 1                | 0 |
|                     | JACKSONVILLE    | 73              | 47           | 83          | 33      | 60                    | 8                 | 0.17                  | -0.58                    | 0.17                  | 1.72                    | 36                    | 0.35                       | 17              | 94              | 60           | 0            | 0                | 1                | 0 |
|                     | KEY WEST        | 77              | 65           | 81          | 59      | 71                    | 1                 | 0.31                  | -0.16                    | 0.16                  | 2.29                    | 68                    | 0.33                       | 25              | 93              | 76           | 0            | 0                | 3                | 0 |
|                     | MIAMI           | 80              | 62           | 83          | 52      | 71                    | 4                 | 0.50                  | 0.04                     | 0.49                  | 6.74                    | 217                   | 0.59                       | 46              | 96              | 67           | 0            | 0                | 2                | 0 |
|                     | ORLANDO         | 78              | 54           | 85          | 42      | 66                    | 6                 | 0.24                  | -0.28                    | 0.24                  | 2.10                    | 59                    | 0.52                       | 37              | 98              | 60           | 0            | 0                | 1                | 0 |
|                     | PENSACOLA       | 62              | 47           | 70          | 32      | 54                    | 4                 | 1.70                  | 0.64                     | 1.33                  | 5.19                    | 72                    | 2.23                       | 76              | 98              | 78           | 0            | 1                | 3                | 1 |
|                     | TALLAHASSEE     | 71              | 45           | 79          | 33      | 58                    | 8                 | 0.48                  | -0.59                    | 0.46                  | 3.88                    | 48                    | 1.20                       | 39              | 93              | 59           | 0            | 0                | 2                | 0 |
|                     | TAMPA           | 74              | 54           | 78          | 42      | 64                    | 4                 | 0.14                  | -0.30                    | 0.14                  | 2.40                    | 72                    | 1.01                       | 84              | 99              | 68           | 0            | 0                | 1                | 0 |
|                     | WEST PALM       | 79              | 59           | 82          | 47      | 69                    | 4                 | 0.66                  | 0.03                     | 0.64                  | 3.13                    | 73                    | 0.79                       | 44              | 97              | 66           | 0            | 0                | 3                | 1 |
| GA                  | ATHENS          | 56              | 41           | 67          | 27      | 49                    | 8                 | 1.24                  | 0.19                     | 1.14                  | 5.97                    | 85                    | 2.51                       | 85              | 88              | 67           | 0            | 1                | 4                | 1 |
|                     | ATLANTA         | 55              | 39           | 68          | 27      | 47                    | 6                 | 1.01                  | -0.06                    | 0.73                  | 4.55                    | 62                    | 1.93                       | 63              | 93              | 67           | 0            | 1                | 6                | 1 |
|                     | AUGUSTA         | 64              | 44           | 78          | 31      | 54                    | 10                | 1.54                  | 0.62                     | 1.13                  | 3.92                    | 66                    | 2.52                       | 98              | 93              | 65           | 0            | 1                | 4                | 1 |
|                     | COLUMBUS        | 58              | 43           | 69          | 30      | 50                    | 5                 | 0.87                  | -0.15                    | 0.83                  | 5.18                    | 65                    | 1.25                       | 42              | 97              | 68           | 0            | 1                | 3                | 1 |
|                     | MACON           | 61              | 42           | 73          | 28      | 52                    | 7                 | 1.19                  | 0.17                     | 0.87                  | 6.20                    | 86                    | 3.10                       | 107             | 94              | 68           | 0            | 1                | 4                | 1 |
|                     | SAVANNAH        | 68              | 48           | 78          | 34      | 58                    | 9                 | 0.20                  | -0.63                    | 0.20                  | 3.44                    | 65                    | 0.63                       | 27              | 93              | 64           | 0            | 0                | 1                | 0 |
| HI                  | HILO            | 79              | 63           | 81          | 61      | 71                    | -1                | 0.64                  | -1.56                    | 0.26                  | 5.29                    | 29                    | 0.76                       | 12              | 90              | 74           | 0            | 0                | 4                | 0 |
|                     | HONOLULU        | 82              | 68           | 83          | 63      | 75                    | 2                 | 0.00                  | -0.81                    | 0.00                  | 0.26                    | 4                     | 0.09                       | 4               | 84              | 77           | 0            | 0                | 0                | 0 |
|                     | KAHULUI         | 83              | 61           | 85          | 57      | 72                    | 0                 | 0.00                  | -0.96                    | 0.00                  | 0.21                    | 4                     | 0.03                       | 1               | 86              | 76           | 0            | 0                | 0                | 0 |
|                     | LIHUE           | 80              | 69           | 80          | 64      | 74                    | 2                 | 0.63                  | -0.73                    | 0.62                  | 1.87                    | 21                    | 0.66                       | 17              | 86              | 78           | 0            | 0                | 2                | 1 |
| ID                  | BOISE           | 31              | 21           | 36          | 14      | 26                    | -3                | 0.17                  | -0.16                    | 0.14                  | 1.66                    | 72                    | 0.86                       | 91              | 89              | 78           | 0            | 7                | 2                | 0 |
|                     | LEWISTON        | 34              | 26           | 38          | 18      | 30                    | -3                | 0.30                  | 0.00                     | 0.18                  | 1.63                    | 79                    | 0.91                       | 106             | 96              | 89           | 0            | 7                | 4                | 0 |
|                     | POCATELLO       | 26              | 8            | 40          | -5      | 17                    | -6                | 0.11                  | -0.13                    | 0.05                  | 0.98                    | 54                    | 0.56                       | 80              | 89              | 82           | 0            | 7                | 3                | 0 |
| IL                  | CHICAGO/O'HARE  | 30              | 22           | 36          | 11      | 26                    | 5                 | 0.00                  | -0.33                    | 0.00                  | 2.13                    | 60                    | 0.02                       | 2               | 89              | 79           | 0            | 7                | 0                | 0 |
|                     | MOLINE          | 29              | 17           | 36          | -1      | 23                    | 3                 | 0.11                  | -0.23                    | 0.11                  | 2.66                    | 80                    | 0.41                       | 38              | 91              | 82           | 0            | 6                | 1                | 0 |
|                     | PEORIA          | 31              | 20           | 37          | 8       | 25                    | 4                 | 0.11                  | -0.22                    | 0.11                  | 1.42                    | 41                    | 0.46                       | 44              | 88              | 75           | 0            | 6                | 1                | 0 |
|                     | ROCKFORD        | 28              | 17           | 35          | -1      | 22                    | 4                 | 0.45                  | 0.17                     | 0.44                  | 2.46                    | 84                    | 0.53                       | 60              | 95              | 85           | 0            | 7                | 2                | 0 |
|                     | SPRINGFIELD     | 33              | 23           | 40          | 11      | 28                    | 4                 | 0.00                  | -0.32                    | 0.00                  | 1.04                    | 28                    | 0.13                       | 12              | 88              | 78           | 0            | 6                | 0                | 0 |
| IN                  | EVANSVILLE      | 39              | 28           | 48          | 16      | 33                    | 3                 | 0.26                  | -0.32                    | 0.16                  | 4.59                    | 85                    | 0.48                       | 27              | 90              | 76           | 0            | 6                | 3                | 0 |
|                     | FORT WAYNE      | 32              | 25           | 37          | 12      | 29                    | 7                 | 0.07                  | -0.34                    | 0.06                  | 2.74                    | 66                    | 0.20                       | 16              | 90              | 81           | 0            | 6                | 2                | 0 |
|                     | INDIANAPOLIS    | 35              | 27           | 42          | 13      | 31                    | 6                 | 0.03                  | -0.48                    | 0.03                  | 2.79                    | 57                    | 0.03                       | 2               | 88              | 70           | 0            | 5                | 1                | 0 |
|                     | SOUTH BEND      | 31              | 21           | 37          | 1       | 26                    | 3                 | 0.12                  | -0.36                    | 0.11                  | 2.44                    | 50                    | 0.15                       | 10              | 91              | 81           | 0            | 7                | 2                | 0 |
| IA                  | BURLINGTON      | 30              | 18           | 37          | 0       | 24                    | 3                 | 0.28                  | 0.01                     | 0.28                  | 2.63                    | 93                    | 0.88                       | 102             | 90              | 69           | 0            | 6                | 1                | 0 |
|                     | CEDAR RAPIDS    | 26              | 12           | 34          | -7      | 19                    | 2                 | 0.12                  | -0.10                    | 0.12                  | 2.47                    | 108                   | 0.49                       | 70              | 92              | 78           | 0            | 7                | 1                | 0 |
|                     | DES MOINES      | 27              | 15           | 35          | -4      | 21                    | 2                 | 0.03                  | -0.19                    | 0.03                  | 2.53                    | 128                   | 0.53                       | 82              | 86              | 78           | 0            | 7                | 1                | 0 |
|                     | DUBUQUE         | 25              | 12           | 34          | -7      | 18                    | 2                 | 0.05                  | -0.23                    | 0.05                  | 2.31                    | 82                    | 0.16                       | 19              | 91              | 82           | 0            | 7                | 1                | 0 |
|                     | SIoux CITY      | 25              | 7            | 33          | -11     | 16                    | -1                | 0.31                  | 0.20                     | 0.18                  | 1.19                    | 103                   | 0.50                       | 135             | 88              | 80           | 0            | 7                | 2                | 0 |
|                     | WATERLOO        | 24              | 9            | 33          | -12     | 17                    | 3                 | 0.04                  | -0.13                    | 0.04                  | 2.30                    | 126                   | 0.32                       | 60              | 86              | 76           | 0            | 7                | 1                | 0 |
| KS                  | CONCORDIA       | 34              | 18           | 39          | 4       | 26                    | 0                 | 0.00                  | -0.13                    | 0.00                  | 0.64                    | 52                    | 0.18                       | 46              | 84              | 70           | 0            | 7                | 0                | 0 |
|                     | DODGE CITY      | 34              | 14           | 46          | 5       | 24                    | -6                | 0.39                  | 0.28                     | 0.36                  | 0.85                    | 89                    | 0.39                       | 126             | 90              | 63           | 0            | 7                | 2                | 0 |
|                     | GOODLAND        | 30              | 11           | 37          | 5       | 20                    | -8                | 0.01                  | -0.07                    | 0.01                  | 0.57                    | 86                    | 0.46                       | 184             | 88              | 78           | 0            | 7                | 1                | 0 |
|                     | TOPEKA          | 36              | 19           | 44          | 4       | 28                    | 2                 | 0.00                  | -0.21                    | 0.00                  | 0.68                    | 33                    | 0.33                       | 51              | 87              | 67           | 0            | 7                | 0                | 0 |

Based on 1961-90 normals

(Note: Eureka, CA replaced with Stockton, CA on April 18, 2000)

\*\*\* Not Available

Weather Data for the Week Ending January 20, 2001

| STATES AND STATIONS | TEMPERATURE EF  |                 |              |             |         |                       | 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. EF     |              | PRECIP           |                  |   |
|                     |                 |                 |              |             |         |                       |                   |                       |                          |                       |                         |                       |                            |                 |                 | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |   |
| KY                  | WICHITA         | 37              | 17           | 45          | 4       | 27                    | -2                | 0.03                  | -0.14                    | 0.03                  | 0.85                    | 49                    | 0.49                       | 91              | 88              | 60           | 0            | 7                | 1                | 0 |
|                     | JACKSON         | 42              | 29           | 53          | 17      | 36                    | 4                 | 2.08                  | 1.24                     | 1.36                  | 6.48                    | 95                    | 2.13                       | 86              | 92              | 65           | 0            | 5                | 4                | 2 |
|                     | LEXINGTON       | 40              | 30           | 48          | 15      | 35                    | 5                 | 0.92                  | 0.30                     | 0.40                  | 4.69                    | 80                    | 0.94                       | 49              | 94              | 81           | 0            | 5                | 4                | 0 |
|                     | LOUISVILLE      | 41              | 30           | 49          | 18      | 36                    | 5                 | 0.86                  | 0.23                     | 0.35                  | 4.62                    | 84                    | 0.90                       | 48              | 86              | 69           | 0            | 4                | 4                | 0 |
|                     | PADUCAH         | 40              | 27           | 48          | 16      | 34                    | 2                 | 0.31                  | -0.40                    | 0.25                  | 3.19                    | 47                    | 0.35                       | 16              | 95              | 66           | 0            | 6                | 4                | 0 |
| LA                  | BATON ROUGE     | 58              | 43           | 69          | 27      | 51                    | 1                 | 2.53                  | 1.43                     | 1.13                  | 5.59                    | 64                    | 2.86                       | 90              | 98              | 71           | 0            | 1                | 4                | 2 |
|                     | LAKE CHARLES    | 55              | 43           | 71          | 29      | 49                    | -1                | 3.76                  | 2.74                     | 1.35                  | 7.56                    | 94                    | 5.56                       | 184             | 94              | 63           | 0            | 1                | 4                | 3 |
|                     | NEW ORLEANS     | 65              | 47           | 76          | 33      | 56                    | 5                 | 2.02                  | 0.89                     | 1.48                  | 5.22                    | 58                    | 2.52                       | 78              | 93              | 81           | 0            | 0                | 3                | 1 |
|                     | SHREVEPORT      | 49              | 35           | 64          | 22      | 42                    | -3                | 4.20                  | 3.32                     | 1.49                  | 12.00                   | 181                   | 4.65                       | 185             | 95              | 64           | 0            | 2                | 4                | 3 |
| ME                  | CARIBOU         | 18              | -1           | 24          | -11     | 8                     | -1                | 0.09                  | -0.45                    | 0.07                  | 3.87                    | 79                    | 0.14                       | 8               | 87              | 70           | 0            | 7                | 3                | 0 |
|                     | PORTLAND        | 30              | 14           | 35          | 4       | 22                    | 1                 | 0.29                  | -0.49                    | 0.20                  | 5.13                    | 74                    | 0.64                       | 27              | 90              | 63           | 0            | 7                | 2                | 0 |
| MD                  | BALTIMORE       | 42              | 30           | 48          | 21      | 36                    | 4                 | 1.70                  | 1.01                     | 1.27                  | 4.29                    | 79                    | 1.98                       | 99              | 92              | 77           | 0            | 5                | 5                | 1 |
| MA                  | BOSTON          | 38              | 26           | 43          | 21      | 32                    | 4                 | 0.70                  | -0.10                    | 0.34                  | 5.87                    | 92                    | 1.06                       | 45              | 89              | 70           | 0            | 7                | 4                | 0 |
|                     | WORCESTER       | 34              | 22           | 38          | 16      | 28                    | 5                 | 0.59                  | -0.24                    | 0.34                  | 4.55                    | 70                    | 0.93                       | 38              | 92              | 68           | 0            | 7                | 4                | 0 |
| MI                  | ALPENA          | 31              | 19           | 36          | -2      | 25                    | 8                 | 0.07                  | -0.30                    | 0.06                  | 0.88                    | 28                    | 0.21                       | 19              | 91              | 75           | 0            | 7                | 2                | 0 |
|                     | GRAND RAPIDS    | 31              | 21           | 36          | 1       | 26                    | 5                 | 0.08                  | -0.32                    | 0.07                  | 2.17                    | 53                    | 0.10                       | 8               | 92              | 76           | 0            | 6                | 2                | 0 |
|                     | HOUGHTON LAKE   | 29              | 16           | 34          | -11     | 23                    | 6                 | 0.08                  | -0.25                    | 0.07                  | 1.04                    | 35                    | 0.44                       | 43              | 88              | 76           | 0            | 7                | 2                | 0 |
|                     | LANSING         | 32              | 21           | 37          | -1      | 26                    | 5                 | 0.01                  | -0.31                    | 0.01                  | 1.34                    | 40                    | 0.28                       | 27              | 95              | 82           | 0            | 6                | 1                | 0 |
|                     | MUSKEGON        | 33              | 25           | 37          | 5       | 29                    | 6                 | 0.11                  | -0.41                    | 0.08                  | 0.95                    | 20                    | 0.15                       | 9               | 89              | 79           | 0            | 5                | 2                | 0 |
|                     | TRAVERSE CITY   | 32              | 21           | 37          | 3       | 27                    | 7                 | 0.22                  | -0.25                    | 0.13                  | 1.21                    | 34                    | 0.43                       | 31              | 92              | 70           | 0            | 5                | 4                | 0 |
| MN                  | DULUTH          | 21              | 7            | 31          | -5      | 14                    | 7                 | 0.05                  | -0.23                    | 0.05                  | 1.04                    | 50                    | 0.11                       | 13              | 93              | 81           | 0            | 7                | 1                | 0 |
|                     | INT'L FALLS     | 20              | 3            | 31          | -10     | 12                    | 11                | 0.05                  | -0.14                    | 0.04                  | 0.37                    | 26                    | 0.17                       | 29              | 89              | 70           | 0            | 7                | 2                | 0 |
|                     | MINNEAPOLIS     | 25              | 11           | 35          | -7      | 18                    | 7                 | 0.36                  | 0.14                     | 0.34                  | 1.60                    | 94                    | 0.38                       | 60              | 88              | 75           | 0            | 7                | 2                | 0 |
|                     | ROCHESTER       | 22              | 7            | 33          | -12     | 15                    | 4                 | 0.12                  | -0.05                    | 0.12                  | 1.77                    | 114                   | 0.13                       | 25              | 92              | 83           | 0            | 7                | 1                | 0 |
|                     | ST. CLOUD       | 21              | 3            | 34          | -17     | 12                    | 4                 | 0.09                  | -0.08                    | 0.06                  | 0.69                    | 53                    | 0.14                       | 29              | 90              | 74           | 0            | 7                | 3                | 0 |
| MS                  | JACKSON         | 50              | 38           | 61          | 24      | 44                    | 0                 | 3.30                  | 2.13                     | 1.71                  | 8.38                    | 89                    | 4.51                       | 130             | 98              | 78           | 0            | 1                | 5                | 2 |
|                     | MERIDIAN        | 56              | 39           | 63          | 25      | 47                    | 2                 | 2.84                  | 1.70                     | 1.67                  | 8.39                    | 89                    | 4.35                       | 128             | 98              | 83           | 0            | 1                | 5                | 2 |
|                     | TUPELO          | 45              | 35           | 55          | 24      | 40                    | 0                 | 4.34                  | 3.26                     | 2.15                  | 10.29                   | 109                   | 4.86                       | 148             | 92              | 77           | 0            | 1                | 5                | 3 |
| MO                  | COLUMBIA        | 35              | 23           | 43          | 14      | 29                    | 2                 | 0.00                  | -0.31                    | 0.00                  | 1.20                    | 35                    | 0.33                       | 34              | 88              | 65           | 0            | 6                | 0                | 0 |
|                     | KANSAS CITY     | 34              | 18           | 43          | 2       | 26                    | 1                 | 0.02                  | -0.22                    | 0.02                  | 1.45                    | 63                    | 0.64                       | 86              | 90              | 66           | 0            | 7                | 1                | 0 |
|                     | SAINT LOUIS     | 36              | 27           | 48          | 19      | 32                    | 3                 | 0.02                  | -0.37                    | 0.01                  | 1.60                    | 38                    | 0.25                       | 20              | 82              | 72           | 0            | 6                | 2                | 0 |
|                     | SPRINGFIELD     | 37              | 22           | 44          | 16      | 29                    | -2                | 0.02                  | -0.36                    | 0.01                  | 1.90                    | 43                    | 0.30                       | 25              | 90              | 73           | 0            | 7                | 2                | 0 |
| MT                  | BILLINGS        | 33              | 17           | 41          | 9       | 25                    | 2                 | 0.06                  | -0.15                    | 0.05                  | 0.55                    | 39                    | 0.21                       | 34              | 88              | 58           | 0            | 7                | 2                | 0 |
|                     | BUTTE           | 23              | -1           | 28          | -13     | 11                    | -6                | 0.13                  | -0.01                    | 0.13                  | 0.57                    | 69                    | 0.13                       | 33              | 91              | 71           | 0            | 7                | 1                | 0 |
|                     | GLASGOW         | 25              | 11           | 33          | 3       | 18                    | 8                 | 0.13                  | 0.05                     | 0.07                  | 0.54                    | 87                    | 0.17                       | 71              | 90              | 82           | 0            | 7                | 3                | 0 |
|                     | GREAT FALLS     | 33              | 18           | 41          | 6       | 26                    | 5                 | 0.48                  | 0.27                     | 0.21                  | 0.83                    | 56                    | 0.64                       | 103             | 89              | 59           | 0            | 7                | 5                | 0 |
|                     | KALISPELL       | 29              | 15           | 35          | 8       | 22                    | 2                 | 0.14                  | -0.21                    | 0.12                  | 1.04                    | 38                    | 0.24                       | 23              | 91              | 84           | 0            | 7                | 2                | 0 |
|                     | MILES CITY      | 27              | 14           | 36          | 6       | 21                    | 5                 | 0.01                  | -0.11                    | 0.01                  | 0.21                    | 21                    | 0.01                       | 3               | 93              | 74           | 0            | 7                | 1                | 0 |
|                     | MISSOULA        | 27              | 13           | 31          | 6       | 20                    | -3                | 0.18                  | -0.10                    | 0.08                  | 1.41                    | 71                    | 0.39                       | 46              | 92              | 84           | 0            | 7                | 4                | 0 |
| NE                  | GRAND ISLAND    | 27              | 8            | 34          | -2      | 18                    | -4                | 0.39                  | 0.28                     | 0.18                  | 1.10                    | 108                   | 0.50                       | 161             | 86              | 77           | 0            | 7                | 3                | 0 |
|                     | LINCOLN         | 32              | 16           | 36          | 1       | 24                    | 3                 | 0.06                  | -0.05                    | 0.04                  | 0.99                    | 80                    | 0.37                       | 103             | 84              | 69           | 0            | 7                | 2                | 0 |
|                     | NORFOLK         | 25              | 10           | 33          | -7      | 18                    | -1                | 0.01                  | -0.10                    | 0.01                  | 0.62                    | 58                    | 0.45                       | 136             | 85              | 78           | 0            | 6                | 1                | 0 |
|                     | NORTH PLATTE    | 31              | 8            | 42          | 3       | 20                    | -1                | 0.00                  | -0.08                    | 0.00                  | 0.21                    | 30                    | 0.17                       | 71              | 90              | 66           | 0            | 7                | 0                | 0 |
|                     | OMAHA           | 31              | 16           | 37          | 1       | 23                    | 2                 | 0.06                  | -0.11                    | 0.05                  | 1.73                    | 114                   | 0.78                       | 156             | 85              | 79           | 0            | 7                | 2                | 0 |
|                     | SCOTTSBLUFF     | 37              | 11           | 42          | 2       | 24                    | -1                | 0.01                  | -0.10                    | 0.01                  | 0.10                    | 11                    | 0.01                       | 3               | 84              | 61           | 0            | 7                | 1                | 0 |
|                     | VALENTINE       | 32              | 9            | 43          | -1      | 21                    | 2                 | 0.02                  | -0.04                    | 0.01                  | 0.27                    | 51                    | 0.09                       | 56              | 79              | 64           | 0            | 7                | 2                | 0 |
| NV                  | ELY             | 33              | 7            | 41          | -8      | 20                    | -5                | 0.02                  | -0.15                    | 0.01                  | 0.62                    | 53                    | 0.52                       | 111             | 85              | 69           | 0            | 7                | 2                | 0 |
|                     | LAS VEGAS       | 51              | 36           | 57          | 32      | 43                    | -2                | 0.00                  | -0.11                    | 0.00                  | 0.50                    | 72                    | 0.46                       | 148             | 60              | 43           | 0            | 1                | 0                | 0 |
|                     | RENO            | 38              | 22           | 48          | 14      | 30                    | -3                | 0.02                  | -0.23                    | 0.02                  | 0.70                    | 41                    | 0.30                       | 42              | 76              | 61           | 0            | 7                | 1                | 0 |
|                     | WINNEMUCCA      | 33              | 12           | 37          | 1       | 22                    | -7                | 0.12                  | -0.05                    | 0.12                  | 0.86                    | 62                    | 0.55                       | 110             | 91              | 78           | 0            | 7                | 1                | 0 |
| NH                  | CONCORD         | 33              | 16           | 39          | 0       | 24                    | 6                 | 0.18                  | -0.37                    | 0.11                  | 4.02                    | 84                    | 0.43                       | 26              | 95              | 65           | 0            | 7                | 3                | 0 |
| NJ                  | NEWARK          | 41              | 32           | 47          | 26      | 36                    | 6                 | 1.20                  | 0.43                     | 0.77                  | 4.80                    | 85                    | 1.56                       | 70              | 88              | 69           | 0            | 3                | 4                | 1 |
| NM                  | ALBUQUERQUE     | 41              | 21           | 47          | 17      | 31                    | -3                | 0.00                  | -0.11                    | 0.00                  | 0.35                    | 43                    | 0.11                       | 35              | 79              | 41           | 0            | 7                | 0                | 0 |
| NY                  | ALBANY          | 34              | 22           | 39          | 13      | 28                    | 8                 | 0.18                  | -0.34                    | 0.14                  | 4.65                    | 103                   | 0.27                       | 17              | 93              | 71           | 0            | 6                | 3                | 0 |
|                     | BINGHAMTON      | 32              | 24           | 36          | 13      | 28                    | 7                 | 0.22                  | -0.31                    | 0.13                  | 2.80                    | 61                    | 0.57                       | 36              | 91              | 76           | 0            | 7                | 4                | 0 |
|                     | BUFFALO         | 33              | 26           | 42          | 14      | 29                    | 6                 | 0.40                  | -0.19                    | 0.17                  | 4.81                    | 87                    | 1.05                       | 57              | 94              | 78           | 0            | 6                | 4                | 0 |
|                     | ROCHESTER       | 34              | 24           | 43          | 6       | 29                    | 6                 | 0.45                  | -0.01                    | 0.23                  | 3.72                    | 91                    | 1.27                       | 92              | 93              | 81           | 0            | 6                | 7                | 0 |
|                     | SYRACUSE        | 34              | 23           | 42          | 11      | 28                    | 6                 | 0.29                  | -0.23                    | 0.10                  | 3.19                    | 67                    | 0.83                       | 53              | 91              | 75           | 0            | 6                | 4                | 0 |
| NC                  | ASHEVILLE       | 50              | 34           | 60          | 23      | 42                    | 6                 | 1.73                  | 1.01                     | 1.07                  | 4.55                    | 82                    | 2.18                       | 106             | 93              | 76           | 0            | 3                | 5                | 2 |
|                     | CHARLOTTE       | 56              | 39           | 67          | 30      | 47                    | 8                 | 0.91                  | 0.07                     | 0.53                  | 2.79                    | 48                    | 1.72                       | 73              | 88              | 64           | 0            | 1                | 4                | 1 |
|                     | GREENSBORO      | 50              | 35           | 58          | 28      | 43                    | 7                 | 1.83                  | 1.11                     | 0.85                  | 3.37                    | 62                    | 2.23                       | 108             | 91              | 66           | 0            | 2                | 5                | 2 |
|                     | HATTERAS        | 61              | 45           | 66          | 43      | 53                    | 9                 | 2.85                  | 1.64                     | 1.90                  | 6.41                    | 80                    | 3.08                       | 89              | 99              | 81           | 0            | 0                | 4                | 2 |
|                     | RALEIGH         | 58              | 38           | 73          | 31      | 48                    | 9                 | 0.92                  | 0.13                     | 0.49                  | 2.56                    | 47                    | 1.04                       | 47              | 95              | 74           | 0            | 1                | 6                | 0 |
|                     | WILMINGTON      | 65              | 48           | 74          | 41      | 56                    | 11                | 0.45                  | -0.43                    | 0.25                  | 2.27                    | 37                    | 0.63                       | 25              | 93              | 61           | 0            | 0                | 2                | 0 |
| ND                  | BISMARCK        | 23              | -1           | 32          | -17     | 11                    | 2                 | 0.40                  | 0.29                     | 0.29                  | 0.70                    | 85                    | 0.46                       | 148             | 89              | 78           | 0            | 7                | 4                | 0 |
|                     | DICKINSON       | 24              | 7            | 30          | -6      | 15                    | 2                 | 0.15                  | 0.07                     | 0.09                  | 2.47                    | 392                   | 2.22                       | 925             | 92              | 76           | 0            | 7                | 4                | 0 |
|                     | FARGO           | 19              | 0            | 32          | -16     | 9                     | 4                 | 0.07                  | -0.09                    | 0.05                  | 0.76                    | 68                    | 0.07                       | 15              | 88              | 75           | 0            | 7                | 2                | 0 |
|                     | GRAND FORKS     | 19              | -1           | 29          | -15     | 9                     | 5                 | 0.06                  | -0.11                    | 0.05                  | 0.59                    | 53                    | 0.06                       | 13              | 89              | 76           | 0            | 7                | 2                | 0 |
|                     | JAMESTOWN       | 20              | -3           | 28          | -17     | 9                     | 2                 | 0.01                  | -0.13                    | 0.01                  | 0.12                    | 14                    | 0.09                       | 24              | 94              | 80           | 0            | 7                | 1                | 0 |
|                     | WILLISTON       | 22              | 2            | 30          | -9      | 12                    | 3                 | 0.24                  | 0.13                     | 0.20                  | 0.81                    | 86                    | 0.29                       | 81              | 89              | 83           | 0            | 7                | 3                | 0 |
| OH                  | AKRON-CANTON    | 33              | 26           | 40          | 18      | 30                    | 6                 | 0.17                  | -0.31                    | 0.08                  | 3.51                    | 80                    | 0.44                       | 30              | 94              | 85           | 0            | 6                | 4                | 0 |
|                     | CINCINNATI      | 38              | 28           | 46          | 7       | 33                    | 5                 | 0.30                  | -0.28                    | 0.12                  | 3.48                    | 72                    | 0.30                       | 18              | 87              | 71           | 0            | 5                | 4                | 0 |
|                     | CLEVELAND       | 34              | 26           | 41          | 19      | 30                    | 6                 | 0.14                  | -0.30                    | 0.07                  | 3.69                    | 83                    | 0.94                       | 68              | 95              | 85           | 0            | 6                | 3                | 0 |
|                     | COLUMBUS        | 36              | 27           | 44          | 18      | 32                    | 6                 | 0.23                  | -0.25                    | 0.18                  | 3.87                    | 90                    | 0.28                       | 19              | 88              | 78           | 0            | 6                | 4                | 0 |
|                     | DAYTON          | 36              | 26           | 44          | 10      | 31                    | 5                 | 0.12                  | -0.35                    | 0.10                  | 2.53                    | 58                    | 0.12                       | 8               | 91              | 72           | 0            | 6                | 3                | 0 |
|                     | MANSFIELD       | 33              | 25           | 40          | 14      | 29                    | 5                 | 0.23                  | -0.20                    | 0.16                  | 3.65                    | 83                    | 0.53                       | 39              | 98              | 83           | 0            | 7                |                  |   |

Weather Data for the Week Ending January 20, 2001

| STATES AND STATIONS | TEMPERATURE EF  |                 |              |             |         |                       | 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. EF     |              | PRECIP           |                  |
|                     |                 |                 |              |             |         |                       |                   |                       |                          |                       |                         |                       |                            |                 |                 | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| OK TOLEDO           | 33              | 24              | 39           | 13          | 28      | 6                     | 0.06              | -0.31                 | 0.03                     | 3.39                  | 82                      | 0.06                  | 5                          | 88              | 81              | 0            | 6            | 2                | 0                |
| OK YOUNGSTOWN       | 35              | 26              | 42           | 18          | 30      | 7                     | 0.13              | -0.34                 | 0.05                     | 3.74                  | 86                      | 0.52                  | 36                         | 90              | 78              | 0            | 6            | 5                | 0                |
| OK OKLAHOMA CITY    | 40              | 26              | 51           | 16          | 33      | -3                    | 0.05              | -0.20                 | 0.03                     | 2.61                  | 124                     | 0.31                  | 44                         | 92              | 61              | 0            | 6            | 2                | 0                |
| OR TULSA            | 40              | 24              | 51           | 13          | 32      | -3                    | 0.01              | -0.32                 | 0.01                     | 1.98                  | 63                      | 0.36                  | 36                         | 86              | 64              | 0            | 7            | 1                | 0                |
| OR ASTORIA          | 49              | 35              | 52           | 29          | 42      | 0                     | 0.46              | -1.81                 | 0.28                     | 8.36                  | 49                      | 2.55                  | 38                         | 97              | 84              | 0            | 3            | 6                | 0                |
| OR BURNS            | 28              | 7               | 34           | -7          | 18      | -5                    | 0.12              | -0.10                 | 0.12                     | 0.75                  | 41                      | 0.28                  | 42                         | 91              | 76              | 0            | 7            | 1                | 0                |
| OR EUGENE           | 46              | 30              | 54           | 21          | 38      | -3                    | 0.13              | -1.66                 | 0.05                     | 4.64                  | 33                      | 0.66                  | 12                         | 97              | 91              | 0            | 5            | 3                | 0                |
| OR MEDFORD          | 45              | 28              | 52           | 20          | 36      | -2                    | 0.04              | -0.56                 | 0.02                     | 1.29                  | 25                      | 0.31                  | 17                         | 94              | 73              | 0            | 5            | 3                | 0                |
| OR PENDLETON        | 33              | 27              | 41           | 22          | 30      | -3                    | 0.43              | 0.09                  | 0.29                     | 1.46                  | 55                      | 0.89                  | 88                         | 97              | 86              | 0            | 7            | 3                | 0                |
| OR PORTLAND         | 43              | 34              | 46           | 27          | 39      | 0                     | 0.29              | -0.91                 | 0.17                     | 4.69                  | 48                      | 1.22                  | 34                         | 91              | 82              | 0            | 2            | 3                | 0                |
| PA SALEM            | 45              | 30              | 52           | 22          | 38      | -2                    | 0.16              | -1.17                 | 0.08                     | 4.54                  | 42                      | 0.89                  | 22                         | 98              | 91              | 0            | 4            | 3                | 0                |
| PA ALLENTOWN        | 37              | 26              | 41           | 16          | 32      | 6                     | 1.05              | 0.33                  | 0.75                     | 5.59                  | 100                     | 1.34                  | 64                         | 92              | 75              | 0            | 6            | 4                | 1                |
| PA ERIE             | 34              | 27              | 42           | 19          | 30      | 5                     | 1.16              | -0.32                 | 0.11                     | 5.11                  | 100                     | 0.25                  | 17                         | 92              | 80              | 0            | 6            | 3                | 0                |
| PA MIDDLETOWN       | 37              | 29              | 41           | 19          | 33      | 5                     | 1.37              | 0.74                  | 0.87                     | 5.95                  | 117                     | 1.96                  | 106                        | 97              | 77              | 0            | 5            | 3                | 1                |
| PA PHILADELPHIA     | 41              | 31              | 45           | 25          | 36      | 6                     | 1.70              | 0.98                  | 1.04                     | 4.77                  | 87                      | 1.97                  | 93                         | 96              | 84              | 0            | 5            | 5                | 1                |
| PA PITTSBURGH       | 36              | 28              | 46           | 18          | 32      | 6                     | 0.23              | -0.34                 | 0.13                     | 2.93                  | 64                      | 0.29                  | 17                         | 89              | 75              | 0            | 6            | 4                | 0                |
| PA WILKES-BARRE     | 35              | 27              | 39           | 18          | 31      | 7                     | 0.46              | -0.01                 | 0.38                     | 3.36                  | 87                      | 0.59                  | 43                         | 87              | 68              | 0            | 5            | 2                | 0                |
| PA WILLIAMSPORT     | 37              | 27              | 41           | 18          | 32      | 7                     | 0.37              | -0.19                 | 0.18                     | 3.09                  | 66                      | 0.41                  | 25                         | 88              | 72              | 0            | 7            | 3                | 0                |
| RI PROVIDENCE       | 38              | 27              | 43           | 21          | 33      | 5                     | 1.24              | 0.37                  | 0.56                     | 6.05                  | 87                      | 1.70                  | 66                         | 90              | 75              | 0            | 7            | 3                | 1                |
| SC BEAUFORT         | 63              | 47              | 70           | 35          | 55      | 6                     | 0.29              | -0.56                 | 0.25                     | 2.36                  | 42                      | 0.62                  | 26                         | 98              | 67              | 0            | 0            | 2                | 0                |
| SC CHARLESTON       | 66              | 47              | 73           | 35          | 57      | 9                     | 0.49              | -0.29                 | 0.25                     | 3.85                  | 72                      | 1.20                  | 54                         | 91              | 63              | 0            | 0            | 4                | 0                |
| SC COLUMBIA         | 63              | 44              | 76           | 31          | 53      | 10                    | 1.09              | 0.07                  | 0.87                     | 2.90                  | 45                      | 1.93                  | 68                         | 90              | 64              | 0            | 1            | 3                | 1                |
| SC GREENVILLE       | 54              | 40              | 65           | 28          | 47      | 7                     | 1.61              | 0.70                  | 1.14                     | 4.65                  | 69                      | 2.70                  | 103                        | 86              | 63              | 0            | 1            | 5                | 1                |
| SD ABERDEEN         | 20              | 0               | 31           | -19         | 10      | 0                     | 0.17              | 0.09                  | 0.09                     | 0.66                  | 102                     | 0.28                  | 117                        | 87              | 83              | 0            | 7            | 4                | 0                |
| SD HURON            | 21              | 0               | 31           | -18         | 11      | -2                    | 0.02              | -0.06                 | 0.02                     | 0.45                  | 63                      | 0.13                  | 54                         | 90              | 80              | 0            | 7            | 1                | 0                |
| SD RAPID CITY       | 33              | 12              | 46           | 6           | 23      | 1                     | 0.02              | -0.06                 | 0.01                     | 0.14                  | 20                      | 0.03                  | 13                         | 86              | 62              | 0            | 7            | 2                | 0                |
| SD SIOUX FALLS      | 21              | 4               | 32           | -13         | 13      | 0                     | 0.10              | -0.01                 | 0.10                     | 0.94                  | 91                      | 0.59                  | 179                        | 88              | 80              | 0            | 7            | 1                | 0                |
| TN BRISTOL          | 47              | 30              | 54           | 22          | 39      | 5                     | 1.95              | 1.23                  | 1.27                     | 3.99                  | 73                      | 2.30                  | 111                        | 96              | 64              | 0            | 4            | 4                | 2                |
| TN CHATTANOOGA      | 48              | 35              | 61           | 28          | 42      | 5                     | 3.79              | 2.69                  | 2.11                     | 6.82                  | 81                      | 4.73                  | 148                        | 93              | 73              | 0            | 2            | 4                | 2                |
| TN KNOXVILLE        | 46              | 33              | 57           | 24          | 40      | 4                     | 3.39              | 2.45                  | 1.76                     | 6.64                  | 91                      | 4.19                  | 153                        | 96              | 78              | 0            | 3            | 5                | 2                |
| TN MEMPHIS          | 44              | 33              | 53           | 26          | 38      | -1                    | 1.78              | 0.97                  | 0.93                     | 4.79                  | 58                      | 2.33                  | 93                         | 94              | 67              | 0            | 3            | 4                | 1                |
| TX NASHVILLE        | 43              | 33              | 52           | 23          | 38      | 2                     | 2.14              | 1.35                  | 1.05                     | 5.94                  | 85                      | 2.50                  | 105                        | 92              | 71              | 0            | 4            | 4                | 2                |
| TX ABILENE          | 47              | 30              | 56           | 22          | 39      | -4                    | 0.14              | -0.09                 | 0.08                     | 1.40                  | 84                      | 0.48                  | 75                         | 88              | 68              | 0            | 6            | 3                | 0                |
| TX AMARILLO         | 42              | 23              | 52           | 21          | 33      | -2                    | 0.21              | 0.10                  | 0.20                     | 1.82                  | 246                     | 0.35                  | 113                        | 88              | 57              | 0            | 7            | 2                | 0                |
| TX AUSTIN           | 51              | 34              | 60           | 22          | 43      | -6                    | 0.72              | 0.33                  | 0.42                     | 4.90                  | 166                     | 1.93                  | 180                        | 93              | 66              | 0            | 3            | 5                | 0                |
| TX BEAUMONT         | 56              | 43              | 72           | 27          | 49      | -2                    | 2.78              | 1.69                  | 1.63                     | 6.54                  | 82                      | 4.56                  | 143                        | 93              | 57              | 0            | 1            | 5                | 2                |
| TX BROWNSVILLE      | 67              | 50              | 79           | 32          | 58      | -1                    | 0.26              | -0.10                 | 0.14                     | 1.56                  | 69                      | 0.46                  | 45                         | 96              | 76              | 0            | 1            | 4                | 0                |
| TX CORPUS CHRISTI   | 59              | 46              | 68           | 34          | 52      | -3                    | 1.08              | 0.69                  | 0.47                     | 3.40                  | 148                     | 1.72                  | 165                        | 92              | 77              | 0            | 0            | 4                | 0                |
| TX DEL RIO          | 54              | 38              | 64           | 28          | 46      | -4                    | 0.30              | 0.18                  | 0.20                     | 1.28                  | 136                     | 0.76                  | 230                        | 92              | 59              | 0            | 1            | 4                | 0                |
| TX EL PASO          | 49              | 25              | 60           | 18          | 37      | -6                    | 0.00              | -0.08                 | 0.00                     | 0.42                  | 51                      | 0.00                  | 0                          | 76              | 33              | 0            | 7            | 0                | 0                |
| TX FORT WORTH       | 46              | 30              | 56           | 19          | 38      | -5                    | 0.75              | 0.34                  | 0.27                     | 4.82                  | 160                     | 1.25                  | 107                        | 95              | 60              | 0            | 3            | 3                | 0                |
| TX GALVESTON        | 54              | 46              | 64           | 33          | 50      | -2                    | 3.63              | 2.89                  | 2.31                     | 8.49                  | 149                     | 5.95                  | 272                        | 92              | 66              | 0            | 0            | 5                | 2                |
| TX HOUSTON          | 54              | 41              | 70           | 26          | 48      | -2                    | 1.82              | 1.08                  | 1.10                     | 6.26                  | 112                     | 3.59                  | 166                        | 92              | 69              | 0            | 1            | 5                | 2                |
| TX LUBBOCK          | 45              | 25              | 54           | 20          | 35      | -4                    | 0.08              | 0.00                  | 0.04                     | 1.16                  | 151                     | 0.24                  | 100                        | 93              | 64              | 0            | 7            | 2                | 0                |
| TX MIDLAND          | 48              | 29              | 58           | 23          | 38      | -4                    | 0.03              | -0.05                 | 0.03                     | 0.96                  | 120                     | 0.38                  | 158                        | 87              | 66              | 0            | 6            | 1                | 0                |
| TX SAN ANGELO       | 49              | 31              | 59           | 23          | 40      | -4                    | 0.11              | -0.07                 | 0.06                     | 1.13                  | 89                      | 0.53                  | 110                        | 89              | 65              | 0            | 5            | 2                | 0                |
| TX SAN ANTONIO      | 52              | 38              | 67           | 26          | 45      | -4                    | 0.47              | 0.08                  | 0.16                     | 3.89                  | 151                     | 2.32                  | 217                        | 95              | 59              | 0            | 1            | 5                | 0                |
| TX VICTORIA         | 55              | 43              | 67           | 29          | 49      | -3                    | 0.94              | 0.44                  | 0.42                     | 4.43                  | 129                     | 2.50                  | 179                        | 93              | 74              | 0            | 1            | 6                | 0                |
| TX WACO             | 49              | 34              | 60           | 25          | 41      | -4                    | 1.02              | 0.66                  | 0.64                     | 4.75                  | 165                     | 2.10                  | 206                        | 93              | 69              | 0            | 3            | 4                | 1                |
| TX WICHITA FALLS    | 44              | 30              | 53           | 19          | 37      | -3                    | 0.13              | -0.09                 | 0.11                     | 1.84                  | 95                      | 0.57                  | 88                         | 86              | 64              | 0            | 5            | 2                | 0                |
| UT SALT LAKE CITY   | 33              | 21              | 36           | 16          | 27      | -1                    | 0.16              | -0.09                 | 0.08                     | 1.88                  | 88                      | 0.70                  | 95                         | 86              | 58              | 0            | 7            | 4                | 0                |
| VT BURLINGTON       | 29              | 10              | 37           | -7          | 20      | 4                     | 0.20              | -0.21                 | 0.08                     | 3.69                  | 101                     | 0.30                  | 25                         | 91              | 71              | 0            | 7            | 3                | 0                |
| VA LYNCHBURG        | 46              | 28              | 62           | 22          | 37      | 3                     | 1.88              | 1.25                  | 1.32                     | 3.73                  | 73                      | 2.22                  | 120                        | 90              | 66              | 0            | 5            | 3                | 1                |
| VA NORFOLK          | 51              | 36              | 69           | 31          | 44      | 5                     | 1.10              | 0.25                  | 0.39                     | 2.23                  | 39                      | 1.26                  | 52                         | 98              | 76              | 0            | 2            | 4                | 0                |
| VA RICHMOND         | 47              | 32              | 59           | 25          | 39      | 4                     | 1.54              | 0.80                  | 0.99                     | 4.20                  | 78                      | 1.82                  | 86                         | 94              | 73              | 0            | 3            | 5                | 1                |
| VA ROANOKE          | 47              | 29              | 61           | 25          | 38      | 4                     | 1.46              | 0.88                  | 1.04                     | 3.40                  | 73                      | 1.72                  | 103                        | 82              | 57              | 0            | 6            | 3                | 1                |
| VA WASH/DULLES      | 42              | 30              | 47           | 20          | 36      | 6                     | 1.47              | 0.86                  | 1.14                     | 3.78                  | 76                      | 1.72                  | 97                         | 92              | 73              | 0            | 5            | 4                | 1                |
| WA OLYMPIA          | 42              | 29              | 49           | 24          | 36      | -2                    | 0.41              | -1.41                 | 0.13                     | 5.70                  | 42                      | 1.82                  | 34                         | 99              | 95              | 0            | 6            | 7                | 0                |
| WA QUILLAYUTE       | 45              | 31              | 50           | 23          | 38      | -2                    | 2.07              | -1.17                 | 1.14                     | 14.29                 | 60                      | ***                   | ***                        | 10              | 97              | 0            | 4            | 6                | 1                |
| WA SEATTLE-TACOMA   | 43              | 34              | 48           | 27          | 39      | -1                    | 0.29              | -0.93                 | 0.14                     | 4.11                  | 43                      | 1.60                  | 44                         | 97              | 92              | 0            | 3            | 4                | 0                |
| WA SPOKANE          | 28              | 18              | 33           | 9           | 23      | -4                    | 0.21              | -0.23                 | 0.10                     | 1.40                  | 37                      | 0.47                  | 35                         | 96              | 88              | 0            | 7            | 4                | 0                |
| WA YAKIMA           | 35              | 26              | 43           | 16          | 30      | 0                     | 0.04              | -0.24                 | 0.02                     | 1.23                  | 55                      | 0.51                  | 61                         | 89              | 79              | 0            | 7            | 3                | 0                |
| WV BECKLEY          | 43              | 28              | 55           | 15          | 35      | 6                     | 1.54              | 0.88                  | 1.10                     | 3.40                  | 66                      | 1.93                  | 101                        | 88              | 74              | 0            | 5            | 3                | 1                |
| WV CHARLESTON       | 43              | 30              | 55           | 19          | 36      | 4                     | 1.57              | 0.92                  | 1.28                     | 3.69                  | 70                      | 1.59                  | 84                         | 91              | 67              | 0            | 5            | 3                | 1                |
| WV ELKINS           | 39              | 25              | 48           | 13          | 32      | 5                     | 1.23              | 0.54                  | 0.83                     | 3.26                  | 59                      | 1.39                  | 68                         | 92              | 70              | 0            | 7            | 3                | 1                |
| WV HUNTINGTON       | 40              | 29              | 52           | 19          | 35      | 3                     | 1.53              | 0.90                  | 1.06                     | 4.87                  | 93                      | 1.53                  | 82                         | 97              | 75              | 0            | 5            | 4                | 1                |
| WI EAU CLAIRE       | 25              | 12              | 34           | -8          | 18      | 8                     | 0.22              | 0.00                  | 0.20                     | 1.22                  | 69                      | 0.22                  | 33                         | 93              | 71              | 0            | 7            | 2                | 0                |
| WI GREEN BAY        | 27              | 16              | 35           | -4          | 22      | 8                     | 0.56              | 0.31                  | 0.53                     | 1.74                  | 75                      | 0.58                  | 74                         | 91              | 75              | 0            | 7            | 3                | 1                |
| WI LA CROSSE        | 27              | 14              | 35           | -5          | 21      | 7                     | 0.36              | 0.16                  | 0.34                     | 2.27                  | 119                     | 0.37                  | 59                         | 92              | 67              | 0            | 7            | 2                | 0                |
| WI MADISON          | 28              | 16              | 35           | -5          | 22      | 6                     | 0.20              | -0.03                 | 0.20                     | 1.59                  | 62                      | 0.20                  | 27                         | 88              | 77              | 0            | 7            | 1                | 0                |
| WI MILWAUKEE        | 31              | 21              | 36           | 10          | 26      | 7                     | 0.32              | -0.03                 | 0.31                     | 2.73                  | 80                      | 0.32                  | 29                         | 87              | 74              | 0            | 5            | 2                | 0                |
| WY CASPER           | 29              | 11              | 35           | 4           | 20      | -2                    | 0.22              | 0.11                  | 0.16                     | 0.66                  | 64                      | 0.30                  | 81                         | 83              | 61              | 0            | 7            | 2                | 0                |
| WY CHEYENNE         | 29              | 13              | 34           | -5          | 21      | -5                    | 0.18              | 0.10                  | 0.17                     | 0.94                  | 142                     | 0.19                  | 79                         | 75              | 55              | 0            | 7            | 2                | 0                |
| WY LANDER           | 23              | 5               | 34           | -6          | 14      | -5                    | 0.08              | -0.03                 | 0.08                     | 0.47                  | 53                      | 0.24                  | 77                         | 90              | 80              | 0            | 7            | 1                | 0                |
| WY SHERIDAN         | 32              | 12              | 36           | 4           | 22      | 1                     | 0.14              | -0.03                 | 0.13                     | 1.23                  | 105                     | 0.15                  | 32                         | 87              | 74              | 0            | 7            | 2                | 0                |

Based on 1961-90 normals

\*\*\* Not Available

NOTE: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

# National Agricultural Summary

January 15 - 21, 2001

Weekly National Agricultural Summary provided by USDA/NASS

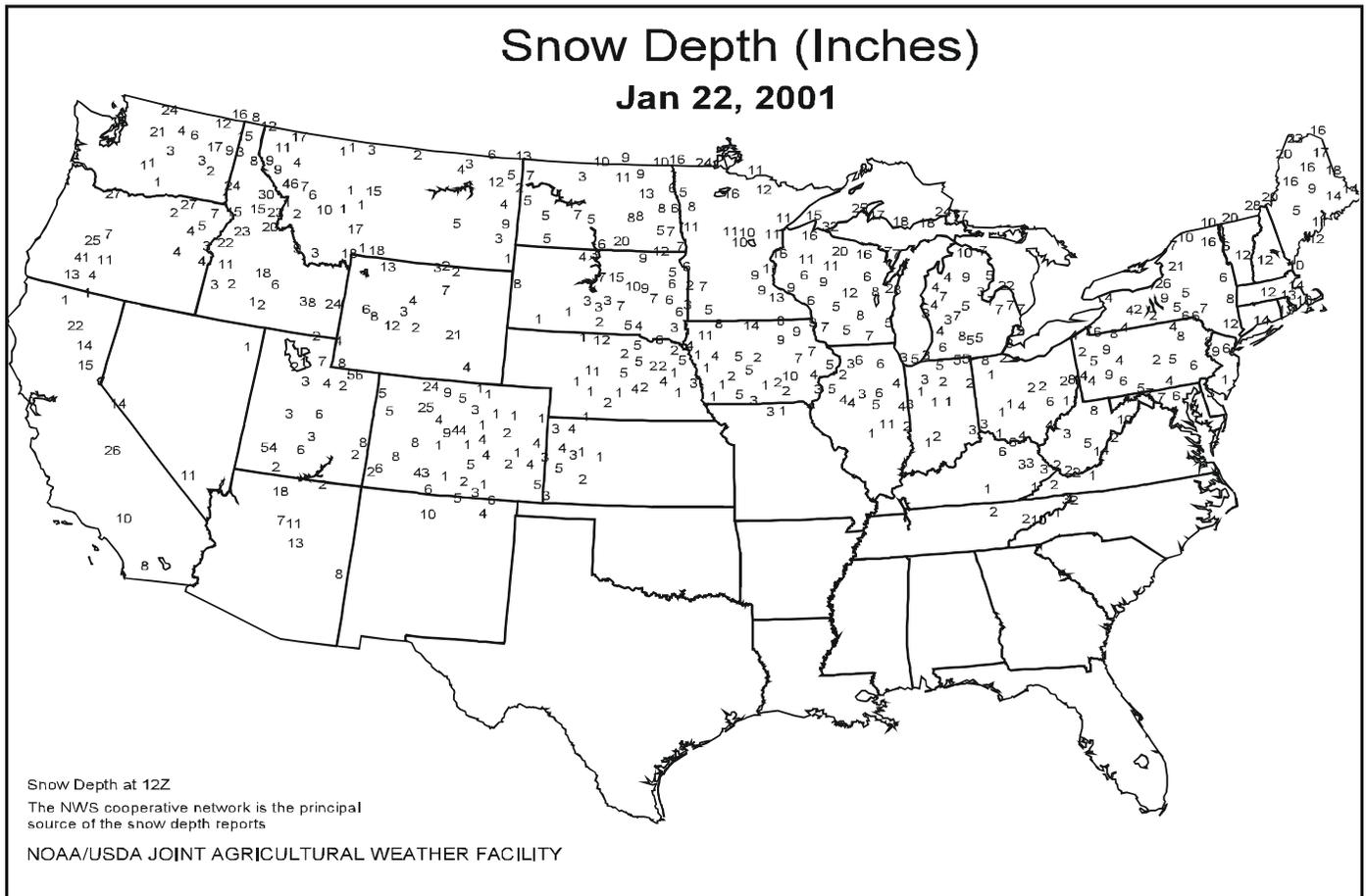
## HIGHLIGHTS

Heavy rainfall substantially increased soil moisture supplies in an area extending from eastern Texas, through the lower Mississippi Valley, and into the southern Appalachians. Adjacent areas of the Southeast also received significant precipitation. The remainder of the Southeast and Atlantic Coastal Plains received beneficial precipitation, but amounts were mostly light, with only scattered areas of

moderate to heavy rainfall. Topsoil moisture supplies remained very short in Florida, where cold weather and drought continued to limit growth of small grains and cool season forages. Refer to page 15 for a summary of field surveys comparing the damage of the January 5, 2001 and December 24-25, 1989 Florida citrus freezes.

Scattered light snow flurries blanketed parts of the Corn Belt and Great Plains, providing minimal cover for the winter wheat crop. Some wheat fields were exposed to sub-zero temperatures in the northern Great Plains. A mixture of snow, sleet, light rain, and low temperatures covered the southern Great Plains and delayed fieldwork in Texas. Many small grains remained dormant in Texas, although a few isolated oat fields entered the heading stage in the Lower Valley.

Dry weather prevailed in the Pacific Coast States, but moisture from recent rains improved growth and development of winter grains and forages in California, despite below-normal temperatures. Pruning continued in orchards and vineyards, but activities were hindered by lingering wetness. Early varieties of freestone peaches and nectarines were developing buds. Harvest of grapefruit, navel oranges, and other citrus crops remained active. Harvest also continued for several vegetable crops.



## International Weather and Crop Summary

January 14 - 20, 2001

*International Weather and Crop Highlights and Summaries provided by USDA/WAOB*

### HIGHLIGHTS

**EUROPE:** Precipitation in southern Europe boosted moisture supplies for winter wheat and barley, while tranquil weather prevailed in northern Europe.

**FSU-WESTERN:** Unseasonably mild weather continued to provide favorable overwintering conditions for winter grains, although snow cover remained thin or patchy in major winter wheat-producing areas of Ukraine and southern Russia, leaving crops vulnerable to potentially cold weather.

**MIDDLE EAST:** Stormy weather returned to the eastern Mediterranean, but unseasonable warmth kept most winter wheat areas without protective snow cover.

**AUSTRALIA:** Heavy rain increased moisture reserves in Western Australia's agricultural districts.

**SOUTH AFRICA:** Mostly dry weather continued across the corn belt, although temperatures were less stressful than last week.

**EASTERN ASIA:** Across the North China Plain, snow cover protected winter wheat from early-week bitterly cold weather.

**SOUTHEAST ASIA:** Heavy rains returned to the eastern Philippines.

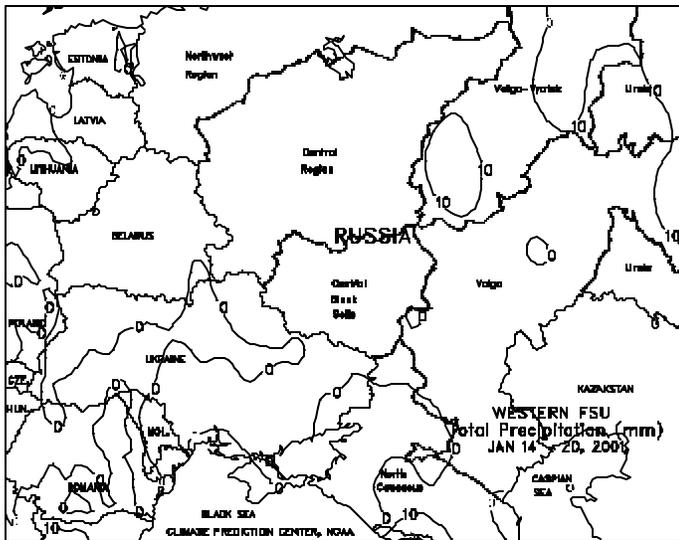
**SOUTH AMERICA:** Across central Argentina and southern Brazil, showers continued to benefit reproductive summer crops.

**NORTHWESTERN AFRICA:** Drier weather in Morocco limited soil moisture, while rainfall in Algeria and Tunisia helped to increase moisture reserves.



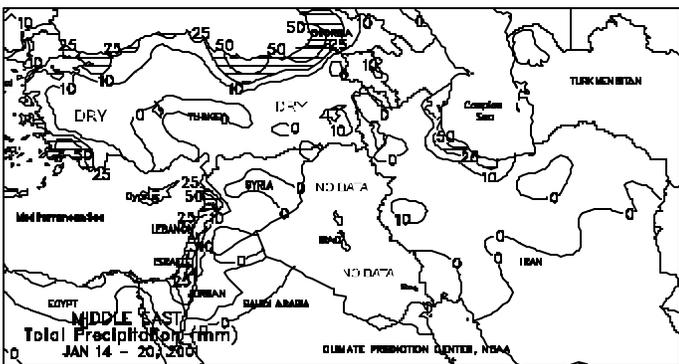
### EUROPE

Rain in the Iberian peninsula, extreme southern France, and southern Italy benefited vegetative winter grains, but continued to hamper wheat and barley planting in the western Iberian peninsula. Farther east, rain and snow in Greece, Albania, Macedonia, and Bulgaria boosted moisture supplies; however, much more precipitation is still needed to erase long-term soil moisture deficits. Mostly dry weather dominated the remainder of Europe. Near- to below-normal temperatures (0-4 degrees C below normal) covered all but southwestern Europe, where above-normal temperatures (1-3 degrees C above normal) prevailed. Weekly minimum temperatures ranged from near -10 degrees C in northeastern Europe to about 5 degrees C in southwestern Europe, providing generally favorable overwintering conditions for winter grains and oilseeds.



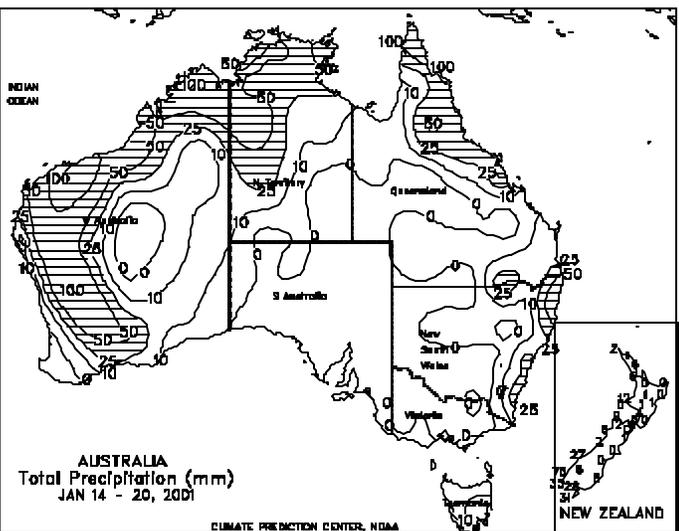
**FSU-WESTERN**

The seventh consecutive week of unusually mild weather maintained favorable overwintering conditions for winter grains in Russia, Ukraine, Belarus, and the Baltic States. Weekly temperatures averaged 1 to 4 degrees C above normal in Ukraine and southern Russia (southern Black Soils Region, North Caucasus, and lower Volga Valley), and 4 to 8 degrees C above normal in northern Russia, Belarus, and the Baltic States. Although temperatures remained low enough to keep winter grains dormant throughout the region, the persistent, unusually mild weather pattern has likely caused crops to lose some winter hardiness. Furthermore, snow cover in most major winter wheat-producing areas of Ukraine and southern Russia remained thin or patchy, leaving crops vulnerable to potential extreme cold. Little or no precipitation fell over the region, with significant amounts of moisture (10-25 mm) confined to the Volga Vyatsk region in Russia.



**MIDDLE EAST**

A more active weather pattern brought locally heavy rain (15-50 mm or more) to Turkey's Black Sea Coast, southwestern Turkey, and along the eastern Mediterranean from western Syria southward through Israel. Lighter precipitation (5 mm or less) covered the Anatolian Plateau, which remained void of snow cover due to a continuation of the region's unseasonable warmth (temperatures averaging 2-5 degrees C above normal). Precipitation was also widely scattered and light from eastern Turkey and eastern Syria to western Iran, with just a few locations reporting more than 5 mm. Locally heavy rain (25-50 mm or more) returned to Iran's Caspian Coast.

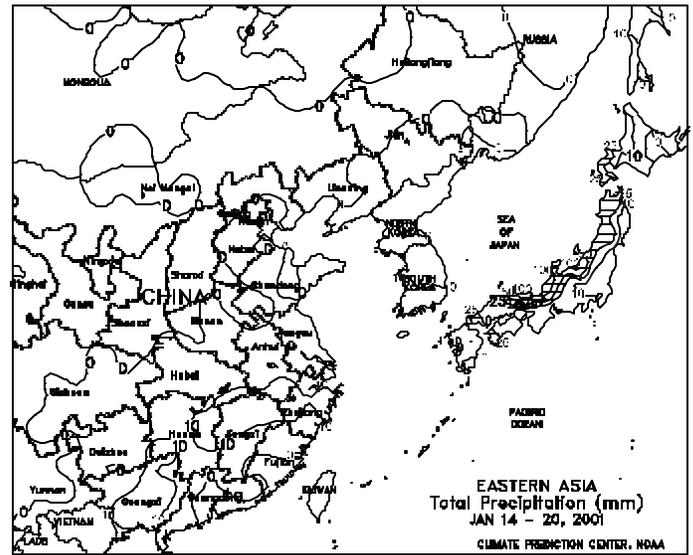
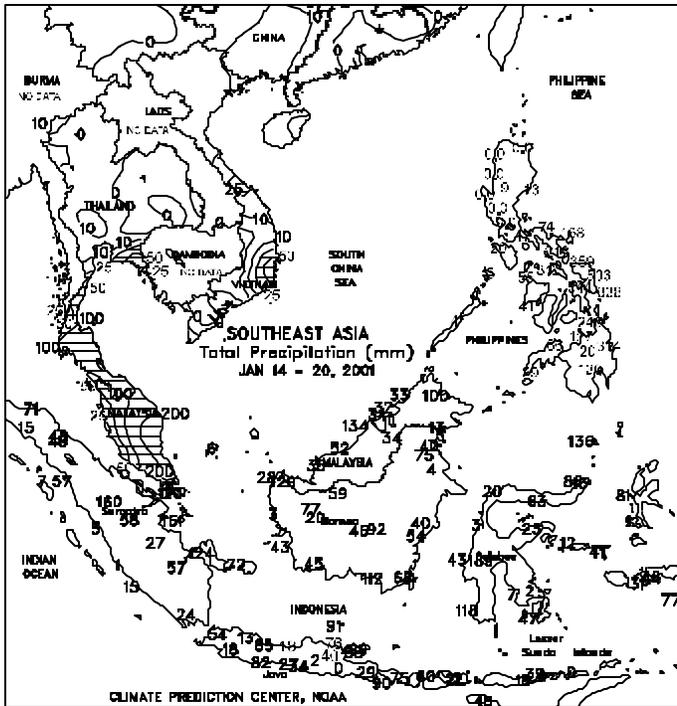
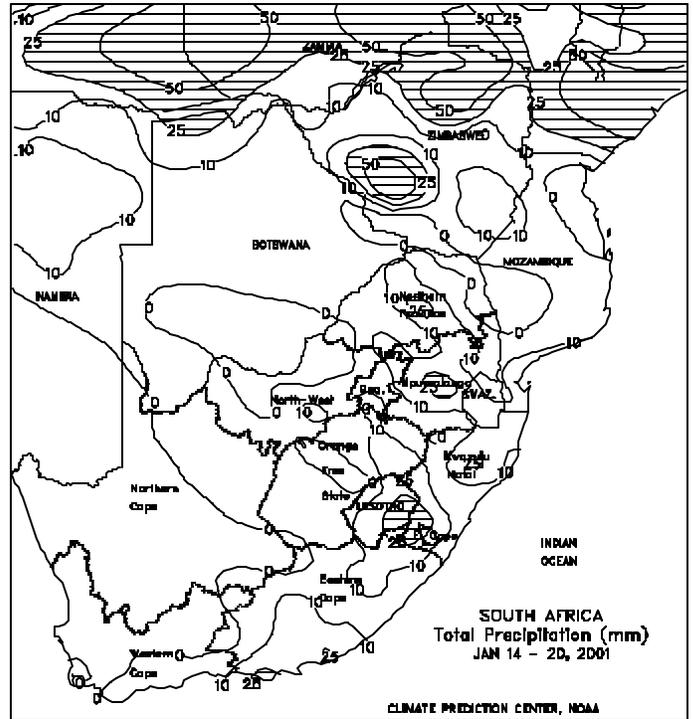


**AUSTRALIA**

Tropical moisture (25-100 mm) extended from the northwest into important agricultural districts of Western Australia. The moisture ended a prolonged dry spell and was welcomed for summer crops and pastures, but likely caused localized flooding. In the east, hot (temperatures averaging 3-5 degrees C above normal, with highs ranging from the upper 30's - middle 40's degrees C), dry weather maintained high evapotranspiration rates across the southeast. Temperatures averaging 2 to 5 degrees C above normal in the summer crop areas of southern Queensland and northern New South Wales hastened crop development, but increased moisture requirements. Scattered showers (25-50 mm) were recorded from the Darling Downs region to the sugarcane areas south of Brisbane and in Queensland's northern sugarcane areas. Widespread rain is needed across southern Queensland and bordering sections of New South Wales to ensure normal development of summer crops, including sorghum and upland cotton. In New Zealand, primary small grain and pasture areas were dry.

**SOUTH AFRICA**

Mostly dry, warm weather continued across the corn belt, reducing moisture reserves for summer crops nearing or entering reproduction. Scattered showers (10 mm or more) brought localized relief to important white corn areas of North West and Free State, but were better distributed in eastern growing areas (Mpumalanga and Gauteng). Despite the dry pattern, temperatures were somewhat lower than last week (highs typically in the lower 30's degrees C), keeping crop moisture demands high but reducing the potential for stress. Scattered, mostly light showers (10 mm or less) and seasonable warmth continued in sugarcane areas of KwaZulu-Natal, likely elevating irrigation requirements. Dry, seasonably warm weather returned to Western Cape, also increasing crop irrigation demands, while light to moderate showers (5-25 mm) lingered over Eastern Cape.



**SOUTHEAST ASIA**

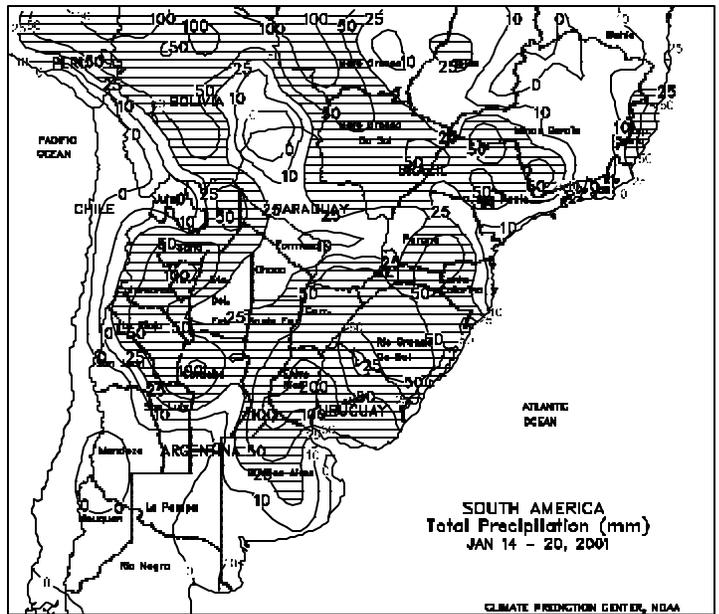
Heavy showers (50-400 mm, locally over 500 mm) returned to the eastern Philippines, causing flooding and exacerbating wetness over the last several weeks. Seasonal showers (25-100 mm) throughout most of Java, Indonesia provided adequate moisture for vegetative main-season rice. Widespread, heavy showers (25-200 mm, locally over 300 mm) fell throughout peninsular Thailand, peninsular Malaysia, and Sumatra, increasing moisture for oil palm. Seasonably dry, warm weather continued to aid rice fieldwork across most of Indochina.

**EASTERN ASIA**

Early-week bitterly cold weather swept across the North China Plain, but dormant winter wheat was protected by adequate snow cover. Minimum temperatures ranged from -18 to -15 degrees C across Hebei and Shandong. Freezing temperatures extended as far south as Hubei, Zhejiang, northern Jiangxi, and northern Fujian. Light precipitation (5-18 mm) fell across the Yangtze Valley, increasing moisture supplies.

**SOUTH AMERICA**

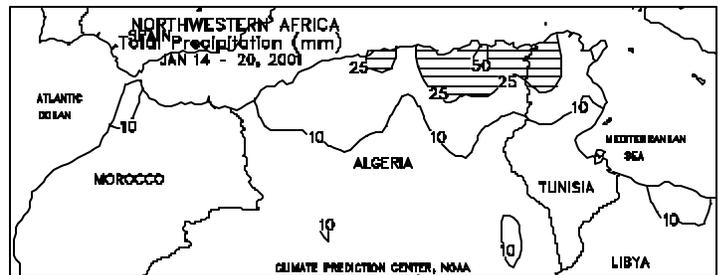
Across most of central Argentina, showers (20-90 mm) continued to favor reproductive corn, soybeans, and sunflowers. Across southern Buenos Aires and La Pampa, lighter showers (less than 20 mm) did not hamper late winter wheat harvesting. In northern Argentina, light to moderate showers (10-40 mm) maintained moisture supplies for cotton. Temperatures averaged near normal across most of Argentina. According to the Argentine Agricultural Secretariat as of January 12, nationwide corn was 96 percent planted, with planting continuing in the north. In Buenos Aires, second-crop soybeans were 83 percent planted. Nationwide wheat harvesting was 90 percent complete, with the remaining unharvested wheat in southern Buenos Aires. Across southern Brazil and southern Paraguay, showers (25-75 mm) continued to maintain adequate to abundant soil moisture for reproductive summer crops. In western and northern Minas Gerais and western Bahia, mostly dry weather during the past 2 weeks has reduced moisture supplies for crops. Temperatures averaged near 1 to 3 degrees C above normal across most of southern Brazil.



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**NORTHWESTERN AFRICA**

Warm, dry weather (less than 10 mm) limited soil moisture for vegetative winter grains in Morocco. Moderate showers (25-60 mm) helped to increase soil moisture for winter grains in Algeria and Tunisia. Rainfall over the last several weeks has increased seasonal (November 1 - present) rainfall to 75 percent of normal throughout Morocco and most of Algeria. In Tunisia and eastern Algeria, seasonal rainfall continued to be 60 percent of normal. Persistent rainfall is needed to maintain crop prospects.



# La Niña Update: January 11, 2001

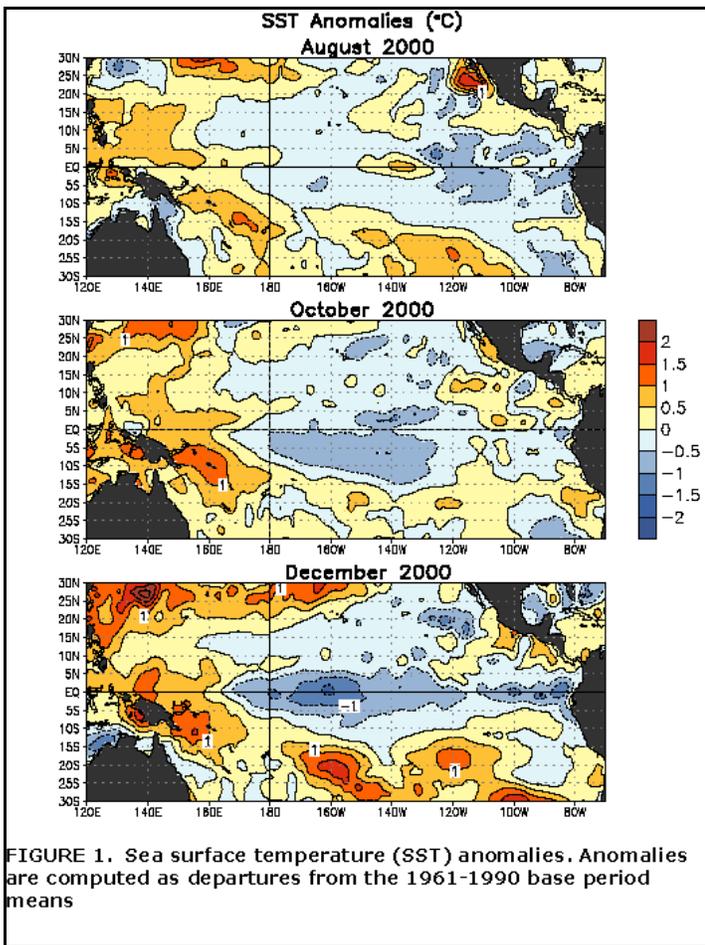


FIGURE 1. Sea surface temperature (SST) anomalies. Anomalies are computed as departures from the 1961-1990 base period means

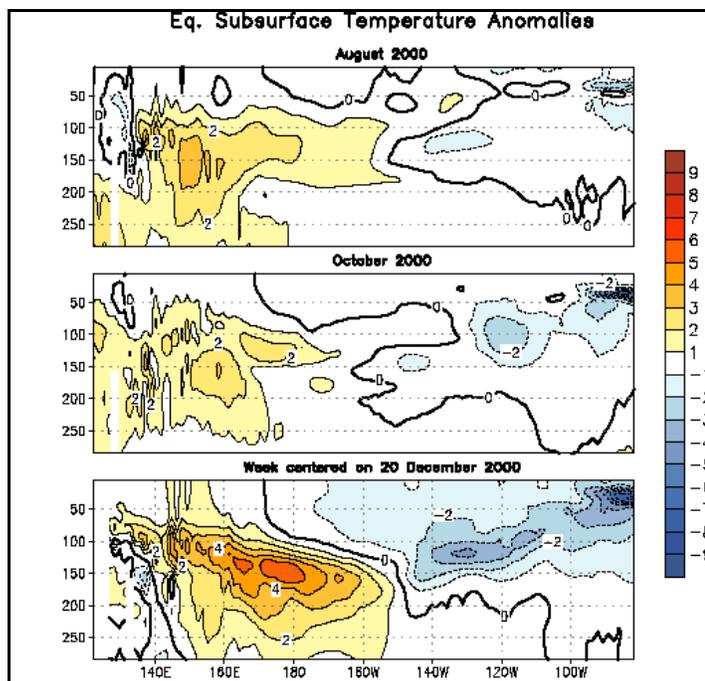


FIGURE 3. Equatorial depth-longitude sections of ocean temperature anomalies. Anomalies are computed as departures from the 1983-1992 base period means.

Since August 2000, sea surface temperature (SST) anomalies have gradually decreased throughout the equatorial Pacific (Figure 1). Consistent with this anomalous cooling, the low-level easterly winds have increased in strength over the central and western equatorial Pacific, and the Southern Oscillation Index (SOI) has significantly increased. The accompanying pattern of tropical rainfall anomalies, which is drier-than-normal conditions over the equatorial central Pacific, has also strengthened during this period (not shown). This strengthening of the cold episode conditions is also evident in the subsurface ocean temperature anomalies, with negative anomalies of at least -3°C now evident in the eastern equatorial Pacific (Figure 3).

Since 1997, the evolution of many atmospheric and oceanic indices is remarkably similar to that observed during the 1982-86 period, when a strong El Niño was followed by 3 years of cooler-than-average conditions in the tropical Pacific. Many indices show distinct annual cycles during these cold episode periods, with the northern winter seasons featuring (1) minima in the SST indices, (2) maxima in the SOI, and (3) maxima in the low-level easterly and upper-tropospheric westerly wind anomalies over the central equatorial Pacific (Figure 4).

The most recent NCEP coupled model and statistical model forecasts as well as other available forecasts indicate that cold episode conditions will weaken during the next 3 months, followed by near-normal conditions during March-May 2001. However, during recent months, each successive forecast has tended to persist the cold episode conditions longer than previous forecasts, thereby delaying the transition from cold episode to near neutral. During recent months, the lack of any significant eastward shift of the subsurface warm pool in the western equatorial Pacific suggests that the cold episode will linger into the northern spring. Average La Niña impacts can be expected over Indonesia/northern Australia, Northeast Brazil and southern Africa (all wetter than normal) during the next 3 months. However, due to ongoing Madden-Julian Oscillation (MJO) activity, there is likely to

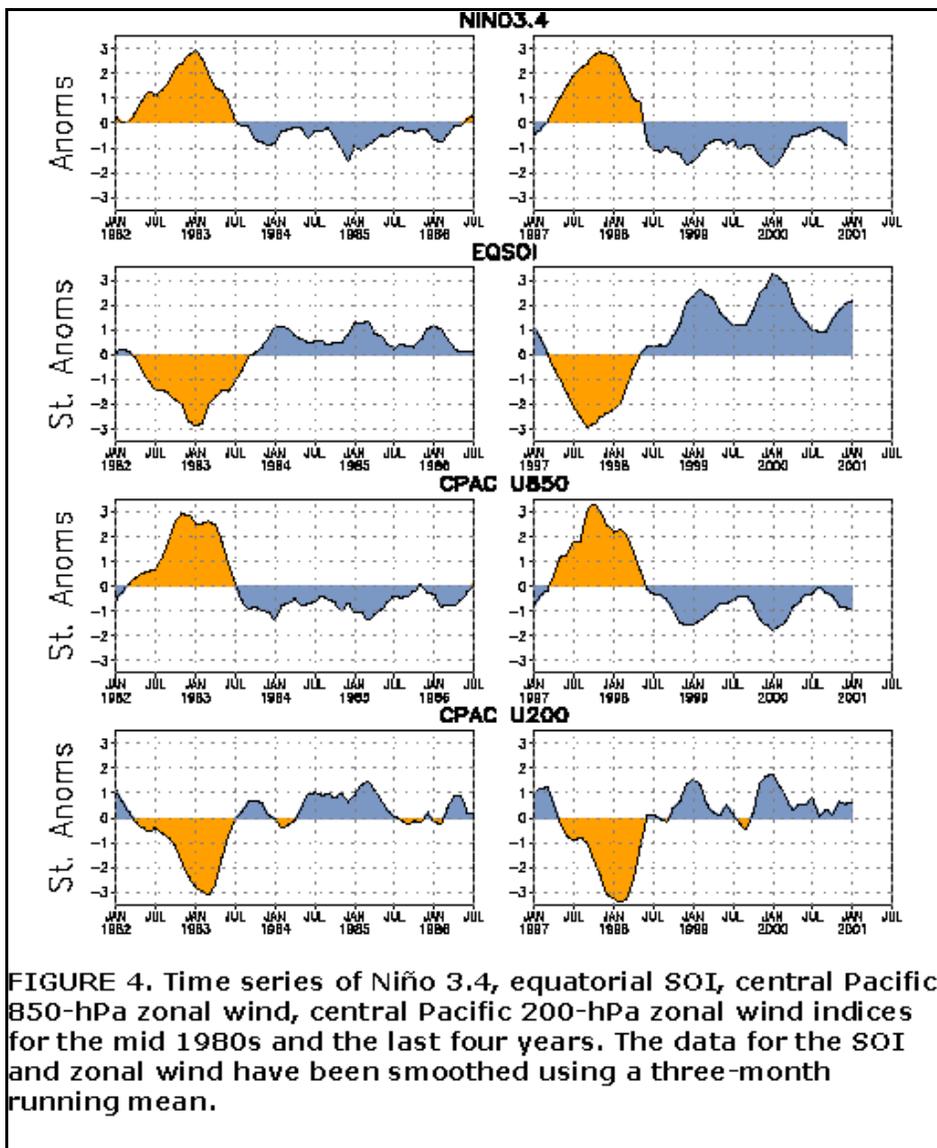


FIGURE 4. Time series of Niño 3.4, equatorial SOI, central Pacific 850-hPa zonal wind, central Pacific 200-hPa zonal wind indices for the mid 1980s and the last four years. The data for the SOI and zonal wind have been smoothed using a three-month running mean.

be considerable temporal rainfall variability in these regions and many other tropical and subtropical regions through March 2001.

Weekly updates for SST, 850-hPa wind, and OLR are available on the Climate Prediction Center homepage at:

<http://www.cpc.ncep.noaa.gov> (Weekly Update)

Forecasts for the evolution of El Niño/La Niña are updated monthly in CPC's Climate Diagnostics Bulletin Forecast Forum.

This ENSO Diagnostic Discussion, which replaces the ENSO Advisories, will appear regularly around the 10th of each month on the CPC web site.

(Continued from page 9)

**Results from a January 18 NASS fruit cutting survey.** Data users are cautioned that evidence of damage does not necessarily mean loss of fruit. Weather conditions over the next several weeks and harvesting and processing practices will affect any potential losses.

**Florida Citrus:** Condition of fruit on trees in sample groves with comparison (from Florida Agricultural Statistics Service)

| Fruit Type                  |             |             | Damage    |                |                |                       |
|-----------------------------|-------------|-------------|-----------|----------------|----------------|-----------------------|
| Season                      | Freeze Date | Survey Date | No Damage | Damage at 1/4" | Damage at 1/2" | Center<br>Minor Major |
| <b>Valencia Oranges:</b>    |             |             |           |                |                |                       |
| 2000-01                     | Jan. 5      | Jan. 18     | 97        | 2              | 1              | — —                   |
| 1989-90                     | Dec. 24-25  | Jan. 4-5    | 44        | 27             | 19             | 9 — 1                 |
| <b>Seedless Grapefruit:</b> |             |             |           |                |                |                       |
| 2000-01                     | Jan. 5      | Jan. 18     | 100       | —              | —              | — —                   |
| 1989-90                     | Dec. 24-25  | Jan. 4-5    | 37        | 19             | 20             | 19 5                  |

**Florida Citrus:** Leaf damage observed in sample groves on January 18, 2001

| Fruit Type          | None | Minor | Damage<br>Serious | Very Serious |
|---------------------|------|-------|-------------------|--------------|
| Valencia Oranges    | 95   | 5     | —                 | —            |
| Seedless Grapefruit | 96   | 4     | —                 | —            |

