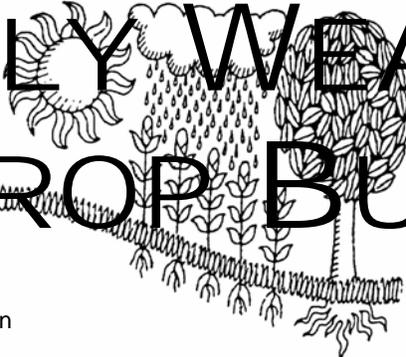
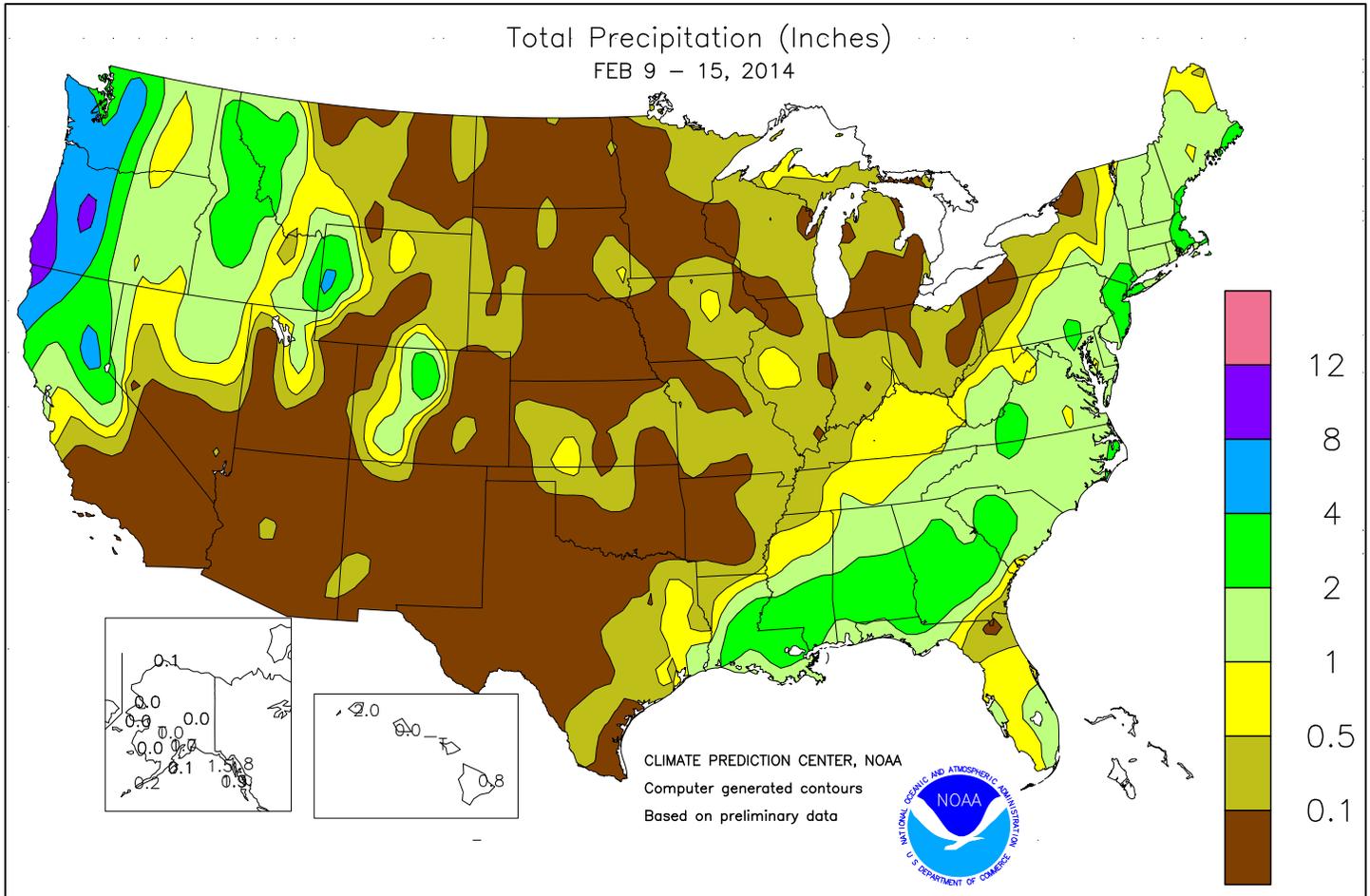


WEEKLY WEATHER AND CROP BULLETIN



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



HIGHLIGHTS February 9 – 15, 2014

Highlights provided by USDA/WAOB

Another winter storm belted the **South** and **East**, causing more travel and electrical disruptions. The bulk of the snow and ice accumulations occurred from February 11-13, with the hardest-hit areas stretching northward through the **Atlantic Coast States** from **northern Georgia**. Parts of the **Midwest** also had to contend with additional wintry precipitation, pushing some locations into record territory in terms of snow depth or seasonal snowfall. Farther west, only patches of light precipitation fell on the **Plains**, where late-week warmth eroded or eliminated winter wheat's

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(Continued on page 5)

Water Supply Forecast for the Western United States

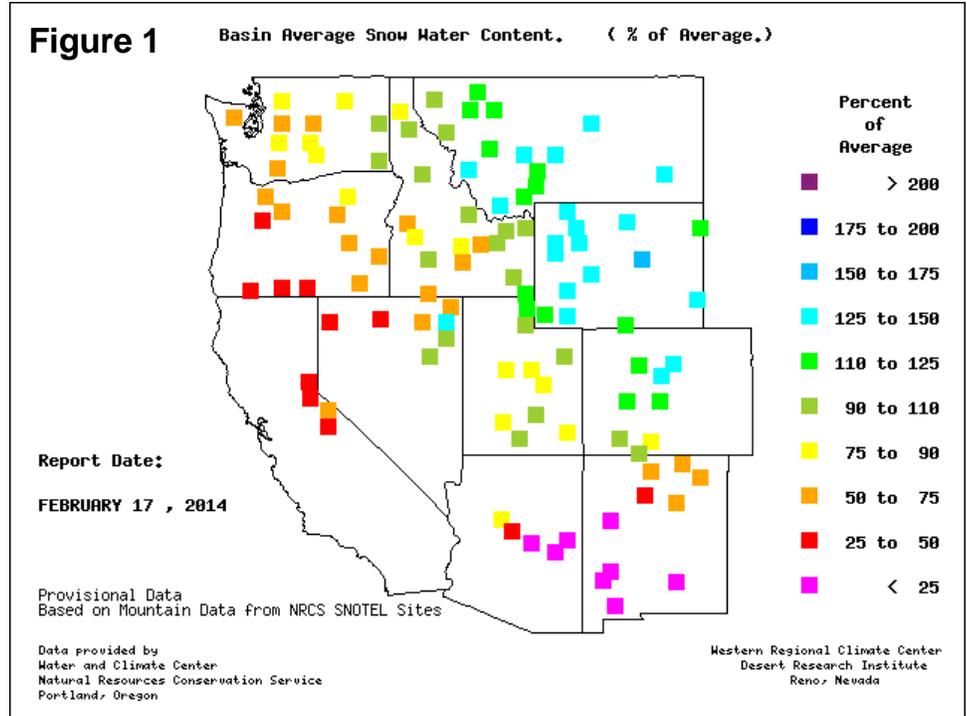
Highlights

During January, dry conditions dominated most areas west of the Continental Divide, while generally wetter-than-normal weather prevailed in the northern and central Rockies. These precipitation patterns, which have persisted for much of the 2013-14 winter wet season, are reflected in the snowpack and streamflow forecasts. Meanwhile, January temperatures approached record-setting levels in California, the Great Basin, and the Southwest, further dimming prospects for drought relief in areas suffering through a third consecutive winter of sub-par precipitation.

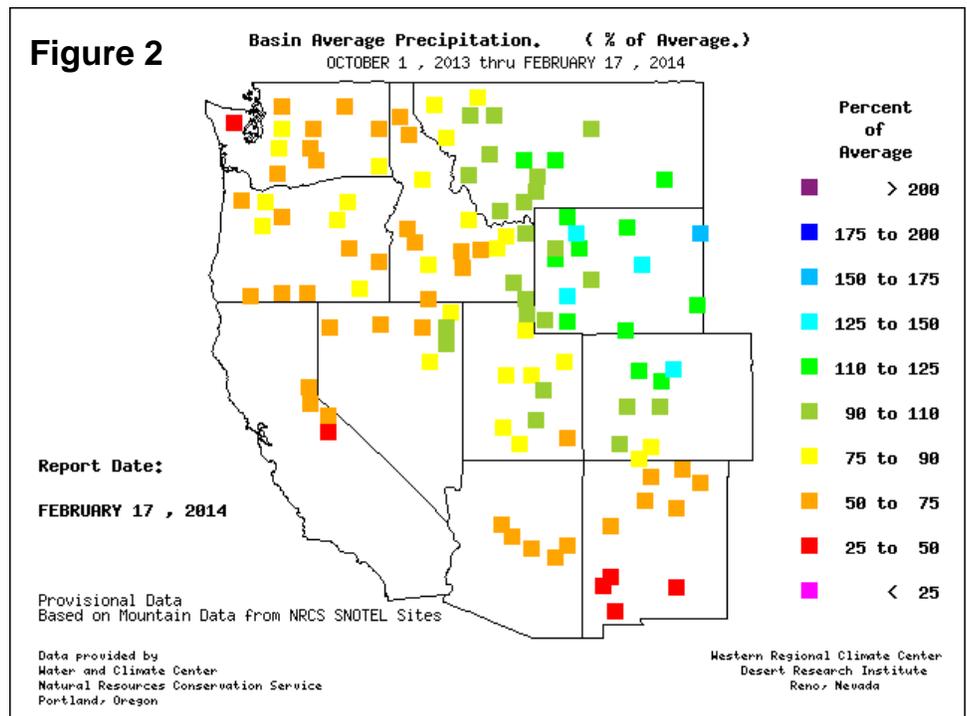
Snowpack and Precipitation

Despite beneficial storminess during the first half of February, the majority of the West—especially west of the Continental Divide—was suffering from deficient snowpack. The wettest regions, relative to normal, were the northern and central Rockies. By February 17, 2014, snow water content values were less than 75 percent of normal across a broad arc stretching from western Washington to New Mexico (figure 1). Utah and eastern Idaho formed the dividing line between generally anemic snowpack to the west and abundant snowpack in the Rockies. Only parts of Colorado, Montana, and Wyoming were faring well, with most basins in each state reporting near- to above-average snowpack.

SNOTEL – River Basin Snow Water Content



SNOTEL – River Basin Precipitation



Season-to-date precipitation (October 1, 2013 – February 17, 2014) was below-normal in nearly all Western basins, except across the northern and central Rockies. Moisture has been especially scarce in southern New Mexico and the southern Sierra Nevada, where precipitation has averaged less than 50 percent of normal (figure 2).

Spring and Summer Streamflow Forecasts

By February 1, 2014, projections for spring and summer streamflow were indicating the likelihood of below-normal runoff in most basins west of the Rockies. In particular, less than half of the normal runoff can be expected—barring heavy, late-winter precipitation—in the Sierra Nevada and the northern Great Basin (figure 3). In contrast, most basins in the northern and central Rockies—straddling the Continental Divide—can expect near-to above-normal runoff. Expectations for the Four Corners States have become less favorable, except in much of Colorado.

Reservoir Storage

On February 1, 2014, reservoir storage as a percent of normal for the date was below average in all available Western States except Montana (figure 4). Information for Arizona has not yet been finalized. Storage was substantially below average in California, Nevada, New Mexico, and Oregon. For California—nearing the end of a third consecutive year (2011-12, 2012-13, and 2013-14) of sub-par winter precipitation—storage in 154 intrastate reservoirs has been in general decline, relative to normal, since the spring of 2012. By January 31, 2014, California’s storage stood at less than 65 percent of the long-term average (figure 5).

For More Information

The National Water and Climate Center homepage provides the latest available snowpack and water supply information. Please visit: <http://www.wcc.nrcs.usda.gov>

Figure 3
Spring and Summer Streamflow Forecasts as of February 1, 2014

Percent of 1981-2010 Average

- > 180
- 150 - 180
- 130 - 149
- 110 - 129
- 90 - 109
- 70 - 89
- 50 - 69
- 25 - 49
- < 25

Prepared by:
USDA Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
<http://www.wcc.nrcs.usda.gov>
Created: 11 Feb 2014 11:59

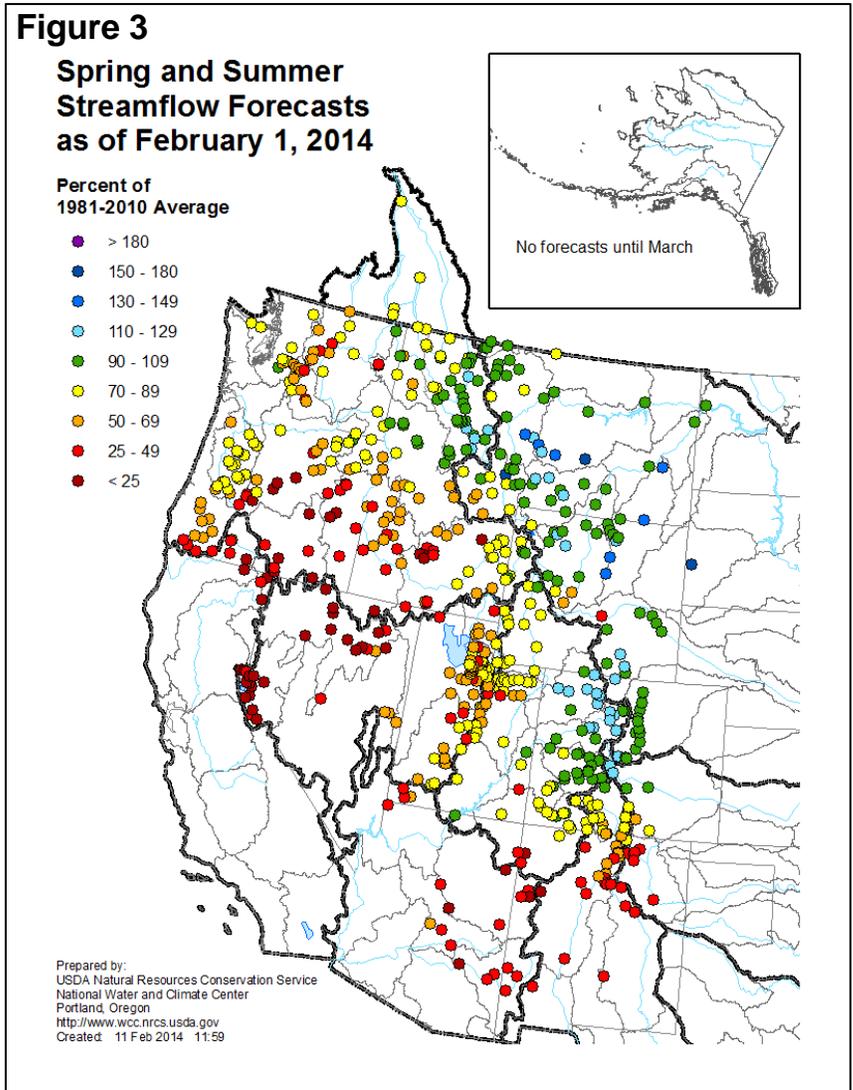


Figure 4 Capacity of Reservoirs Reported in 1000s of Acre-Feet

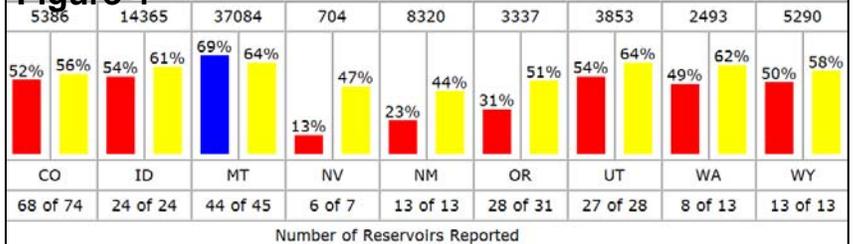
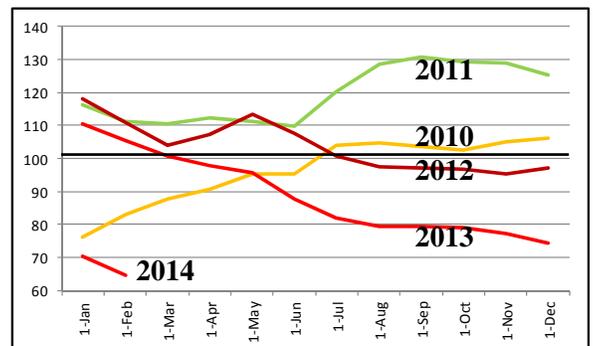
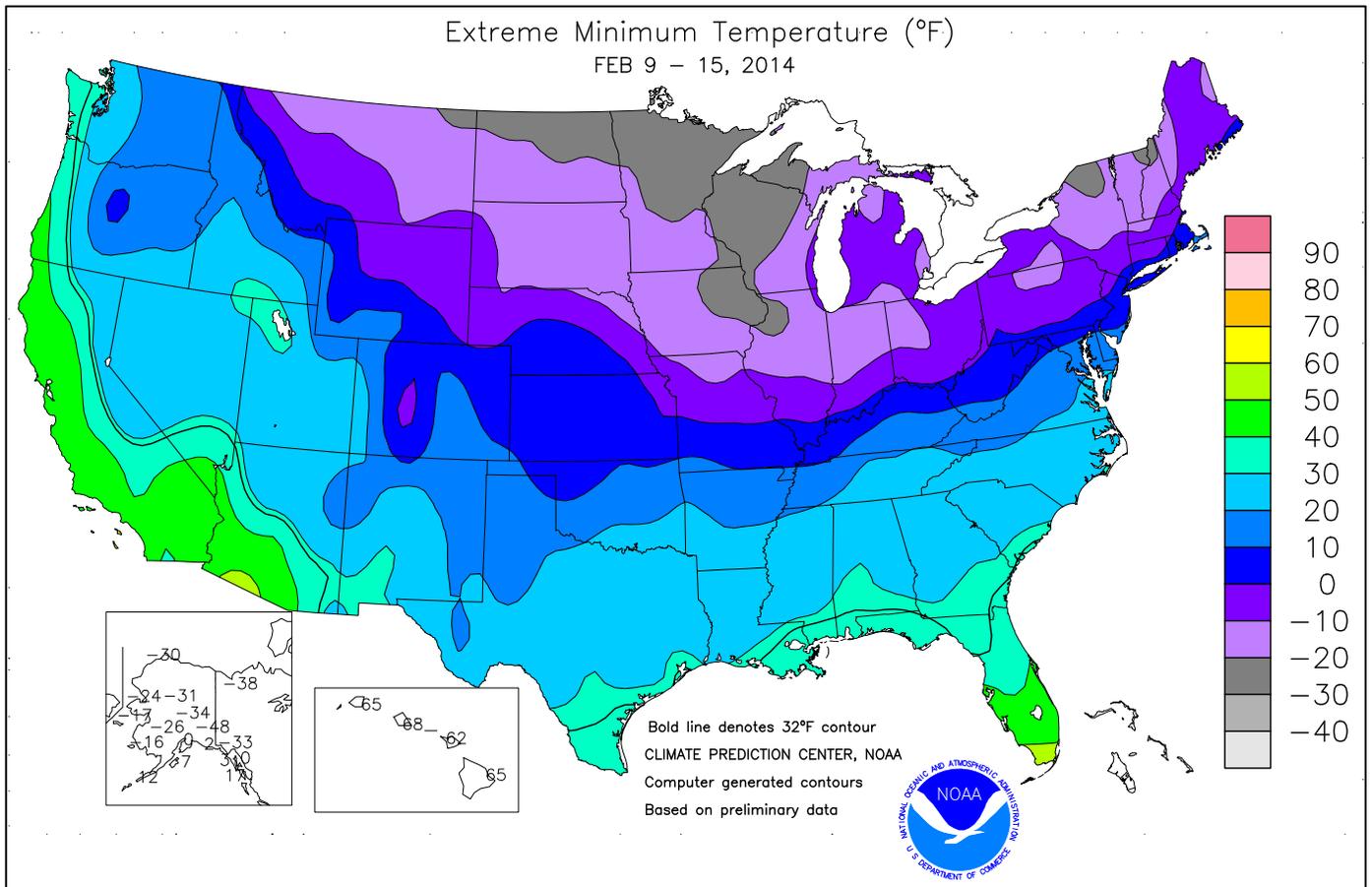
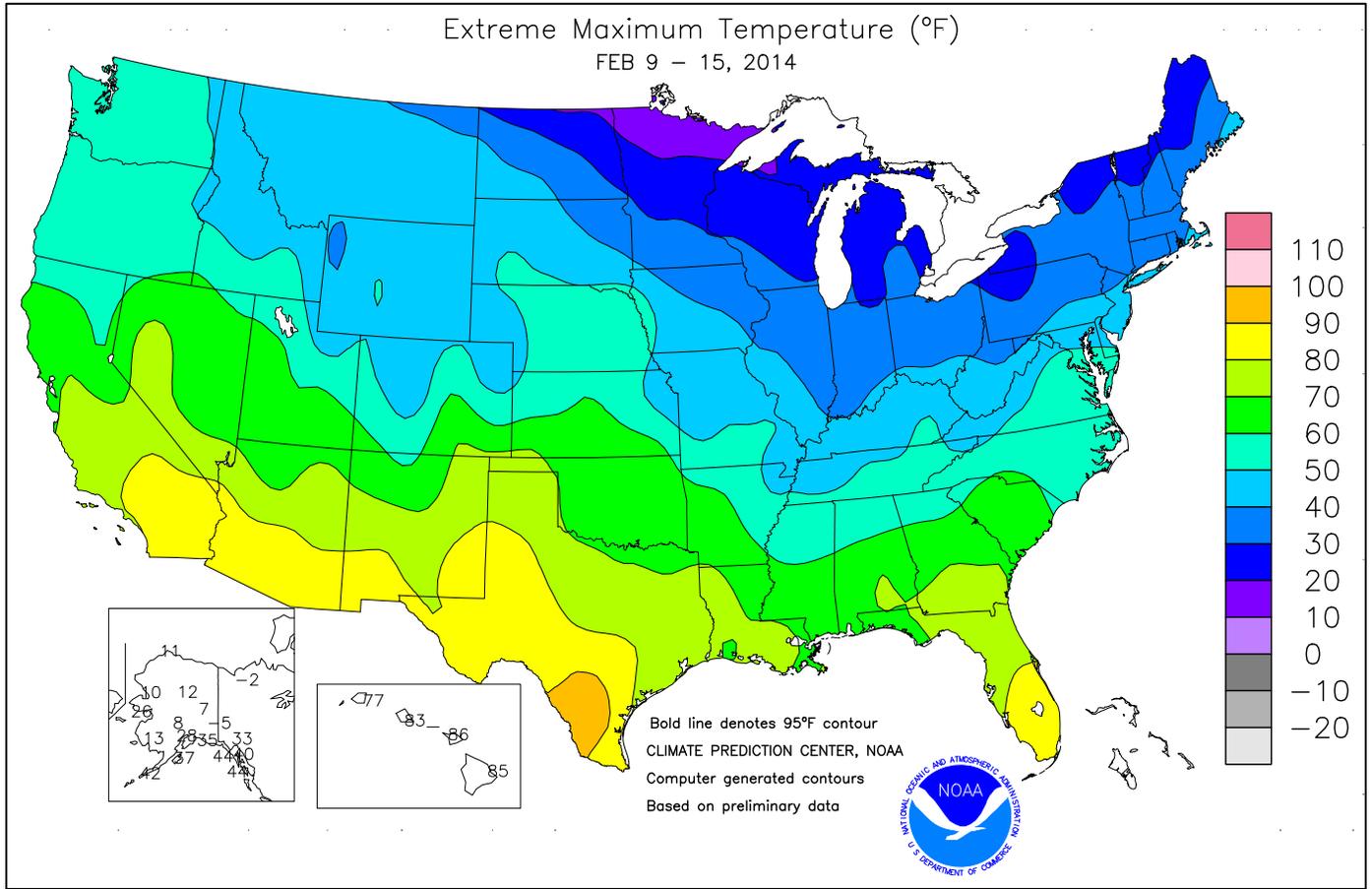


Figure 5

California reservoir storage as a percent of normal, 2010-14.



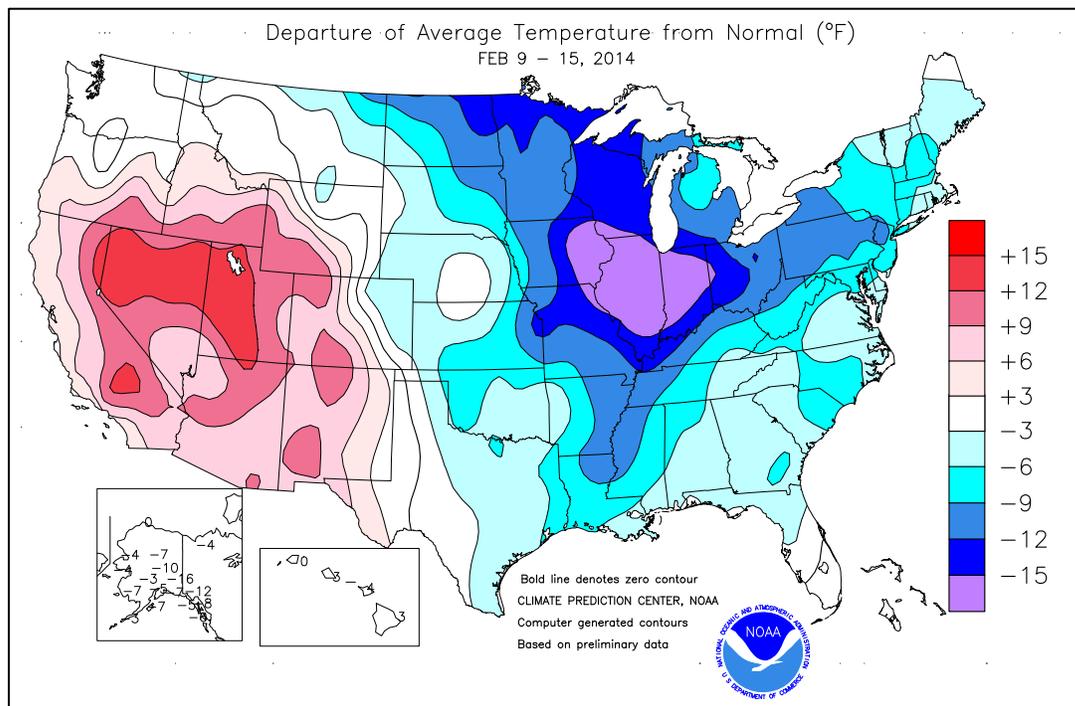


(Continued from front cover)

protective snow cover. Meanwhile, **Western** precipitation fell mainly north of **California's** key watershed areas. As a result, the **Sierra Nevada** snowpack was only about one-quarter of normal for mid-February, despite some early-month storminess. Elsewhere, heavy precipitation in the **Pacific Northwest** and **northern Rockies** contrasted with dry weather from **southern California to the southern Rockies**. Record-setting warmth accompanied the return to dry weather in **California** and eventually encompassed many other parts of the **West**. Weekly temperatures averaged at least 10°F above normal in much of the **Great Basin and Intermountain West**. In contrast, an extremely cold weather pattern centered on the **Midwest** maintained stress on winter-weary livestock. Weekly temperatures averaged more than 15°F below normal in an area centered on **Illinois**. During the first half of the week, sub-zero temperatures affected a broad arc of the nation from the **northern Plains into the Northeast**. From February 10-12, temperatures dipped to 0°F or below as far south as **central Missouri and southern Illinois**.

Early in the week, beneficial precipitation waned across **California** and the **Great Basin**. Daily-record totals for February 9 included 1.75 inches in **Red Bluff, CA**, and 0.92 inch in **Elko, NV**. Meanwhile, the focus for heavy precipitation shifted into the **Northwest**. On February 9-10, **Monument, OR**, received 12.0 inches of snow in a 24-hour period, tying an all-time record originally set on January 9-10, 1975. Elsewhere in the **Northwest**, record-setting snowfall totals for February 9 reached 6.1 inches in **Missoula, MT**, and 3.0 inches in **Lewiston, ID**. **Lewiston's** 4-day (February 6-9) snowfall climbed to 10.4 inches. By February 10, snowfall spread to parts of the **Plains**, where daily-record amounts included 4.2 inches in **Wichita, KS**, and 1.0 inch in **Borger, TX**. From February 11-13, a complex storm system evolved across the **South and East**. An initial surge of snow produced daily-record totals on February 11 in **North Carolina** locations such as **New Bern** (10.0 inches) and **Cape Hatteras** (5.5 inches). Meanwhile, heavy rain in the **central Gulf Coast region** led to a record-setting total (2.11 inches) for February 11 in **New Iberia, LA**. By February 12-13, a more extensive snowfall struck the **East**. Daily-record amounts for February 12 totaled 7.0 inches in **Greensboro, NC**, and 3.9 inches in **Huntsville, AL**. At the same time, freezing rain glazed parts of **northern Georgia** and the **Carolinas**. On February 13, record-high daily amounts climbed to 17.8 inches at **Allentown, PA**; 11.7 inches at **Virginia's Dulles Airport**; 10.5 inches at **Worcester, MA**; and 9.5 inches at both **Bridgeport, CT**, and **Wilmington, DE**. In the wake of the big storm, several fast-moving disturbances crossed the **Midwest and Northeast**. On February 14, for example, record-setting snowfall totals reached 5.5 inches in both **Indianapolis, IN**, and **Springfield, IL**. The season-to-date snowfall in **Indianapolis** climbed to 51.3 inches, surpassing the December 1981 – February 1982 standard of 51.0 inches. In addition, **Grand Rapids, MI**, reported a snow depth of 20 inches or greater on 11 consecutive days (and counting), starting on February 5. The previous record in **Grand Rapids** had been 9 days in a row from January 14-22, 1979.

The **Northwest** rapidly warmed as the week began, but frigid conditions persisted in the **Midwest**. Record-setting lows for February



10 dipped to -19°F in **Cedar Rapids, IA**, and -16°F in **Moline, IL**. Even colder conditions arrived by February 11, when daily-record lows included -22°F in **Moline** and -21°F in **Cedar Rapids**. Other daily-record lows for February 11 plunged to -26°F in **Pellston, MI**; -25°F in **Waterloo, IA**; and -16°F in **Lincoln, IL**. **Marquette, MI** (-23°F on February 11), reported its lowest reading since December 25, 2004, when the low dipped to -24°F. In **Indiana**, **Fort Wayne** posted consecutive daily-record lows (-16 and -15°F, respectively) on February 11-12. Very cold conditions lingered for several more days in the snow-covered **Midwest and Northeast**, resulting in daily-record lows in locations such as **Watertown, NY** (-27°F on February 12); **Toledo, OH** (-14°F on February 12); and **Lincoln, IL** (-14°F on February 15). In stark contrast, mid- to late-week warmth dominated **California** and the **Southwest**. **Palmdale, CA**, tied a monthly record with a high of 81°F on February 12, and shattered the record with highs of 84°F on February 13 and 14. Other monthly record highs in California on February 13 included 88°F in **Barstow-Daggett**; 84°F in **Lancaster**; and 81°F in **Bishop**—erasing marks from late-February 1986 in all three locations. **Barstow-Daggett** attained 88°F again on February 14. Both **Lancaster** and **Bishop** reached or exceeded the 80-degree mark on 4 days in a row from February 12-15, tying records first set from February 25-28, 1986. Highs topped the 90-degree mark in several locations from **southern California to southern Texas**, resulting in daily-record highs in locations such as **Elsinore, CA** (91°F on February 13), and **San Antonio, TX** (92°F on February 14). **Elsinore** closed the week with a trio of daily-record highs (91, 90, and 90°F) from February 13-15, while **Phoenix, AZ**, collected three consecutive daily-record highs (85, 86, and 84°F) from February 14-16.

In a reversal from the previous 3 weeks, cold weather overspread the **Alaskan mainland**. Weekly temperatures averaged more than 10°F below normal in parts of **east-central Alaska**. Meanwhile, occasional precipitation followed a period of very cold weather in **southeastern Alaska**. Weekly snowfall totaled 6.6 inches on **Annette Island**, aided by a daily-record sum of 3.1 inches on February 10. Prior to the snow, **Annette Island** had posted four consecutive daily-record lows (13, 11, 13, and 10°F) from February 6-9. Farther south, generally warm weather prevailed in **Hawaii**. On the **Big Island, Hilo** posted a daily-record high of 85°F on February 10. On **Kauai**, however, heavy showers dotted windward locations, especially during the second half of the period. Weekly rainfall totals on **Kauai** included 11.16 inches in **Kapahi** and 9.46 inches in **Wainiha**.

National Weather Data for Selected Cities

Weather Data for the Week Ending February 15, 2014

Data Provided by Climate Prediction Center

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|------------------------|-------------------------|------------------------|-------------------------|---------------------------|-----------------|----------------|--------------|------------------|------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN, SINCE DEC 1 | PCT. NORMAL SINCE DEC 1 | TOTAL, IN, SINCE JAN 1 | PCT. NORMAL SINCE JAN 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 82 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| AL BIRMINGHAM | 47 | 32 | 59 | 29 | 40 | -5 | 1.35 | 0.37 | 0.52 | 11.83 | 98 | 4.77 | 62 | 90 | 58 | 0 | 5 | 4 | 1 |
| HUNTSVILLE | 43 | 29 | 52 | 25 | 36 | -7 | 1.43 | 0.29 | 1.11 | 13.75 | 101 | 7.18 | 90 | 88 | 69 | 0 | 5 | 4 | 1 |
| MOBILE | 58 | 38 | 68 | 31 | 48 | -4 | 0.37 | -0.82 | 0.23 | 11.06 | 85 | 3.69 | 44 | 99 | 67 | 0 | 1 | 3 | 0 |
| MONTGOMERY | 55 | 35 | 66 | 29 | 45 | -4 | 2.65 | 1.35 | 1.33 | 15.25 | 120 | 6.29 | 81 | 91 | 54 | 0 | 1 | 5 | 2 |
| AK ANCHORAGE | 20 | 7 | 28 | 0 | 13 | -5 | 1.71 | 1.54 | 0.59 | 5.21 | 253 | 3.60 | 356 | 71 | 54 | 0 | 7 | 4 | 3 |
| BARROW | -9 | -23 | 11 | -30 | -16 | 0 | 0.09 | 0.06 | 0.08 | 1.78 | 593 | 0.62 | 344 | 79 | 68 | 0 | 7 | 2 | 0 |
| FAIRBANKS | -5 | -27 | 7 | -34 | -10 | -10 | 0.00 | -0.08 | 0.00 | 1.00 | 68 | 0.22 | 30 | 70 | 62 | 0 | 7 | 0 | 0 |
| JUNEAU | 26 | 14 | 40 | 0 | 20 | -8 | 1.81 | 0.82 | 0.91 | 20.48 | 166 | 11.96 | 172 | 79 | 61 | 0 | 6 | 4 | 2 |
| KODIAK | 28 | 17 | 37 | 7 | 23 | -7 | 0.12 | -1.36 | 0.12 | 20.11 | 105 | 15.67 | 136 | 73 | 58 | 0 | 7 | 1 | 0 |
| NOME | 9 | -6 | 26 | -17 | 2 | -3 | 0.00 | -0.19 | 0.00 | 3.97 | 170 | 1.96 | 147 | 69 | 56 | 0 | 7 | 0 | 0 |
| AZ FLAGSTAFF | 59 | 25 | 66 | 18 | 42 | 10 | 0.00 | -0.60 | 0.00 | 1.64 | 31 | 0.29 | 8 | 78 | 21 | 0 | 7 | 0 | 0 |
| PHOENIX | 81 | 52 | 86 | 50 | 66 | 8 | 0.00 | -0.15 | 0.00 | 0.39 | 19 | 0.00 | 0 | 46 | 25 | 0 | 0 | 0 | 0 |
| PRESCOTT | 68 | 33 | 76 | 29 | 51 | 12 | 0.00 | -0.43 | 0.00 | 0.36 | 10 | 0.05 | 2 | 62 | 15 | 0 | 3 | 0 | 0 |
| TUCSON | 81 | 46 | 88 | 43 | 64 | 10 | 0.00 | -0.19 | 0.00 | 0.84 | 35 | 0.01 | 1 | 41 | 21 | 0 | 0 | 0 | 0 |
| AR FORT SMITH | 51 | 27 | 66 | 21 | 39 | -3 | 0.00 | -0.57 | 0.00 | 5.83 | 84 | 1.73 | 49 | 79 | 38 | 0 | 6 | 0 | 0 |
| LITTLE ROCK | 47 | 27 | 61 | 21 | 37 | -7 | 0.00 | -0.80 | 0.00 | 12.45 | 124 | 5.51 | 104 | 77 | 37 | 0 | 6 | 0 | 0 |
| CA BAKERSFIELD | 71 | 48 | 78 | 45 | 60 | 8 | 0.00 | -0.28 | 0.00 | 0.26 | 10 | 0.16 | 9 | 80 | 60 | 0 | 0 | 0 | 0 |
| FRESNO | 69 | 50 | 74 | 45 | 59 | 8 | 0.04 | -0.46 | 0.02 | 1.62 | 36 | 1.47 | 46 | 88 | 75 | 0 | 0 | 2 | 0 |
| LOS ANGELES | 70 | 53 | 74 | 51 | 62 | 4 | 0.00 | -0.77 | 0.00 | 0.53 | 8 | 0.23 | 5 | 87 | 53 | 0 | 0 | 0 | 0 |
| REDDING | 60 | 48 | 65 | 39 | 54 | 6 | 2.59 | 1.21 | 1.80 | 5.66 | 40 | 5.28 | 55 | 98 | 87 | 0 | 0 | 4 | 1 |
| SACRAMENTO | 64 | 51 | 70 | 45 | 57 | 6 | 0.99 | 0.09 | 0.91 | 3.36 | 41 | 2.93 | 50 | 98 | 70 | 0 | 0 | 2 | 1 |
| SAN DIEGO | 72 | 53 | 76 | 52 | 63 | 4 | 0.00 | -0.50 | 0.00 | 0.82 | 18 | 0.36 | 11 | 78 | 51 | 0 | 0 | 0 | 0 |
| SAN FRANCISCO | 61 | 51 | 67 | 46 | 56 | 4 | 0.35 | -0.67 | 0.35 | 2.94 | 31 | 2.59 | 39 | 97 | 92 | 0 | 0 | 1 | 0 |
| STOCKTON | 64 | 47 | 72 | 40 | 55 | 5 | 0.23 | -0.38 | 0.21 | 1.75 | 30 | 1.41 | 35 | 99 | 87 | 0 | 0 | 3 | 0 |
| CO ALAMOSA | 47 | 17 | 62 | 11 | 32 | 11 | 0.00 | -0.03 | 0.00 | 0.27 | 42 | 0.10 | 32 | 88 | 58 | 0 | 7 | 0 | 0 |
| CO SPRINGS | 47 | 24 | 64 | 18 | 36 | 5 | 0.01 | -0.04 | 0.01 | 0.90 | 115 | 0.83 | 231 | 81 | 38 | 0 | 6 | 1 | 0 |
| DENVER INTL | 44 | 23 | 59 | 13 | 34 | 4 | 0.01 | 0.01 | 0.01 | 1.32 | 244 | 1.07 | 465 | 85 | 50 | 0 | 6 | 1 | 0 |
| GRAND JUNCTION | 45 | 29 | 51 | 26 | 37 | 5 | 0.41 | 0.33 | 0.38 | 2.19 | 168 | 1.23 | 158 | 88 | 75 | 0 | 7 | 2 | 0 |
| PUEBLO | 48 | 23 | 71 | 16 | 35 | 2 | 0.03 | 0.00 | 0.02 | 0.72 | 92 | 0.69 | 177 | 91 | 76 | 0 | 7 | 2 | 0 |
| CT BRIDGEPORT | 32 | 18 | 41 | 7 | 25 | -6 | 1.58 | 0.89 | 1.30 | 10.90 | 125 | 6.57 | 125 | 81 | 58 | 0 | 7 | 4 | 1 |
| HARTFORD | 30 | 12 | 39 | -4 | 21 | -7 | 2.75 | 2.03 | 1.69 | 11.66 | 129 | 7.74 | 142 | 78 | 55 | 0 | 7 | 3 | 2 |
| DC WASHINGTON | 38 | 26 | 52 | 19 | 32 | -5 | 1.87 | 1.26 | 1.58 | 11.86 | 157 | 6.33 | 140 | 70 | 43 | 0 | 6 | 3 | 1 |
| DE WILMINGTON | 33 | 20 | 44 | 11 | 26 | -7 | 1.82 | 1.18 | 1.48 | 12.84 | 156 | 7.62 | 158 | 87 | 54 | 0 | 7 | 5 | 1 |
| FL DAYTONA BEACH | 69 | 45 | 76 | 39 | 57 | -2 | 0.77 | 0.14 | 0.76 | 6.82 | 94 | 5.13 | 113 | 92 | 46 | 0 | 0 | 2 | 1 |
| JACKSONVILLE | 63 | 39 | 73 | 31 | 51 | -4 | 0.21 | -0.56 | 0.12 | 9.08 | 113 | 8.22 | 152 | 98 | 51 | 0 | 1 | 3 | 0 |
| KEY WEST | 77 | 66 | 82 | 61 | 72 | 2 | 0.75 | 0.38 | 0.75 | 8.52 | 164 | 7.43 | 242 | 90 | 69 | 0 | 0 | 1 | 1 |
| MIAMI | 79 | 61 | 84 | 51 | 70 | 1 | 0.93 | 0.41 | 0.76 | 7.52 | 146 | 2.85 | 96 | 88 | 51 | 0 | 0 | 2 | 1 |
| ORLANDO | 73 | 49 | 82 | 37 | 61 | -1 | 0.75 | 0.22 | 0.72 | 4.66 | 79 | 4.39 | 123 | 87 | 47 | 0 | 0 | 2 | 1 |
| PENSACOLA | 61 | 43 | 70 | 38 | 52 | -2 | 1.92 | 0.82 | 1.51 | 9.46 | 81 | 5.70 | 74 | 89 | 57 | 0 | 0 | 2 | 1 |
| TALLAHASSEE | 65 | 38 | 75 | 30 | 52 | -2 | 1.19 | 0.13 | 1.12 | 10.17 | 86 | 5.28 | 69 | 87 | 53 | 0 | 1 | 3 | 1 |
| TAMPA | 70 | 50 | 74 | 44 | 60 | -2 | 1.07 | 0.43 | 1.05 | 5.32 | 90 | 4.51 | 126 | 91 | 53 | 0 | 0 | 3 | 1 |
| WEST PALM BEACH | 77 | 57 | 83 | 44 | 67 | 0 | 0.35 | -0.30 | 0.35 | 15.53 | 184 | 11.19 | 212 | 88 | 58 | 0 | 0 | 1 | 0 |
| GA ATHENS | 48 | 33 | 61 | 27 | 41 | -4 | 2.05 | 1.00 | 1.23 | 14.97 | 140 | 7.35 | 106 | 86 | 63 | 0 | 3 | 5 | 2 |
| ATLANTA | 48 | 33 | 62 | 29 | 41 | -4 | 1.81 | 0.68 | 1.05 | 14.02 | 124 | 6.22 | 83 | 86 | 71 | 0 | 3 | 6 | 1 |
| AUGUSTA | 53 | 31 | 66 | 28 | 42 | -5 | 2.71 | 1.71 | 1.95 | 12.48 | 127 | 5.58 | 84 | 91 | 65 | 0 | 5 | 5 | 2 |
| COLUMBUS | 55 | 35 | 65 | 30 | 45 | -4 | 2.31 | 1.26 | 1.42 | 15.56 | 136 | 6.69 | 95 | 88 | 49 | 0 | 2 | 4 | 2 |
| MACON | 55 | 32 | 68 | 26 | 43 | -5 | 2.75 | 1.63 | 1.84 | 15.64 | 138 | 6.60 | 89 | 94 | 59 | 0 | 4 | 6 | 2 |
| SAVANNAH | 59 | 36 | 73 | 33 | 48 | -3 | 0.44 | -0.29 | 0.39 | 5.69 | 68 | 3.31 | 59 | 83 | 65 | 0 | 0 | 3 | 0 |
| HI HILO | 81 | 67 | 85 | 65 | 74 | 3 | 0.81 | -1.28 | 0.45 | 27.41 | 110 | 7.21 | 50 | 93 | 81 | 0 | 0 | 3 | 0 |
| HONOLULU | 81 | 71 | 83 | 68 | 76 | 3 | 0.00 | -0.58 | 0.00 | 7.10 | 104 | 3.44 | 87 | 81 | 72 | 0 | 0 | 0 | 0 |
| KAHULUI | 85 | 66 | 86 | 62 | 75 | 3 | 0.01 | -0.60 | 0.01 | 7.25 | 88 | 5.20 | 101 | 92 | 82 | 0 | 0 | 1 | 0 |
| LIHUE | 75 | 67 | 77 | 65 | 71 | -1 | 2.02 | 1.22 | 0.98 | 11.61 | 104 | 6.34 | 99 | 99 | 89 | 0 | 0 | 6 | 2 |
| ID BOISE | 49 | 35 | 54 | 26 | 42 | 7 | 1.26 | 0.98 | 0.57 | 3.42 | 102 | 2.76 | 139 | 95 | 77 | 0 | 2 | 3 | 1 |
| LEWISTON | 46 | 32 | 61 | 20 | 39 | 2 | 0.29 | 0.07 | 0.22 | 2.37 | 88 | 1.64 | 100 | 78 | 58 | 0 | 3 | 4 | 0 |
| POCATELLO | 47 | 33 | 57 | 28 | 40 | 11 | 0.44 | 0.22 | 0.16 | 2.02 | 75 | 1.59 | 99 | 87 | 76 | 0 | 3 | 5 | 0 |
| IL CHICAGO/O'HARE | 21 | 2 | 32 | -8 | 11 | -14 | 1.89 | 1.50 | 0.98 | 10.31 | 206 | 8.37 | 324 | 69 | 51 | 0 | 7 | 2 | 2 |
| MOLINE | 20 | -4 | 39 | -22 | 8 | -17 | 0.13 | -0.20 | 0.07 | 3.27 | 73 | 2.05 | 90 | 75 | 59 | 0 | 7 | 2 | 0 |
| PEORIA | 21 | -1 | 39 | -13 | 10 | -17 | 0.46 | 0.09 | 0.29 | 4.84 | 104 | 3.35 | 150 | 81 | 55 | 0 | 7 | 3 | 0 |
| ROCKFORD | 17 | -5 | 32 | -21 | 6 | -17 | 1.00 | 0.70 | 0.98 | 8.06 | 196 | 6.37 | 309 | 79 | 63 | 0 | 7 | 2 | 1 |
| SPRINGFIELD | 25 | -2 | 39 | -13 | 12 | -17 | 0.41 | 0.03 | 0.38 | 5.34 | 109 | 3.74 | 157 | 82 | 50 | 0 | 7 | 3 | 0 |
| IN EVANSVILLE | 32 | 13 | 41 | 3 | 22 | -12 | 0.22 | -0.50 | 0.19 | 10.91 | 137 | 3.58 | 81 | 77 | 60 | 0 | 7 | 2 | 0 |
| FORT WAYNE | 22 | -3 | 32 | -16 | 10 | -16 | 2.33 | 1.87 | 0.91 | 11.27 | 195 | 8.41 | 279 | 87 | 65 | 0 | 7 | 3 | 3 |
| INDIANAPOLIS | 25 | 3 | 37 | -6 | 14 | -16 | 2.01 | 1.45 | 0.98 | 11.16 | 167 | 6.72 | 184 | 82 | 53 | 0 | 7 | 3 | 2 |
| SOUTH BEND | 22 | 4 | 31 | -8 | 13 | -13 | 0.04 | -0.43 | 0.02 | 6.29 | 99 | 3.96 | 121 | 74 | 62 | 0 | 7 | 2 | 0 |
| IA BURLINGTON | 21 | -2 | 40 | -12 | 10 | -17 | 0.28 | -0.04 | 0.17 | 2.54 | 63 | 1.46 | 74 | 85 | 60 | 0 | 7 | 3 | 0 |
| CEDAR RAPIDS | 15 | -6 | 37 | -21 | 5 | -18 | 0.11 | -0.14 | 0.06 | 1.40 | 46 | 0.72 | 46 | 86 | 65 | 0 | 7 | 3 | 0 |
| DES MOINES | 25 | 4 | 46 | -10 | 14 | -11 | 0.51 | 0.23 | 0.39 | 3.60 | 123 | 2.79 | 175 | 77 | 65 | 0 | 7 | 3 | 0 |
| DUBUQUE | 16 | | | | | | | | | | | | | | | | | | |

Weather Data for the Week Ending February 15, 2014

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|------------------|-----------------------|--------------------------|------------------------|-------------------------|------------------------|---------------------------|-----------------|-----------------|--------------|--------------|------------------|------------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE DEC 1 | PCT. NORMAL SINCE DEC 1 | TOTAL IN., SINCE JAN01 | PCT. NORMAL SINCE JAN01 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .50 INCH OR MORE |
| WICHITA | 38 | 18 | 63 | 9 | 28 | -7 | 0.90 | 0.74 | 0.59 | 3.00 | 121 | 2.40 | 212 | 82 | 64 | 0 | 7 | 2 | 1 |
| KY JACKSON | 38 | 21 | 52 | 11 | 30 | -7 | 0.75 | -0.11 | 0.28 | 13.18 | 137 | 6.09 | 114 | 91 | 48 | 0 | 7 | 6 | 0 |
| LEXINGTON | 32 | 16 | 43 | 4 | 24 | -11 | 0.56 | -0.18 | 0.44 | 11.31 | 127 | 5.73 | 118 | 82 | 67 | 0 | 7 | 3 | 0 |
| LOUISVILLE | 34 | 17 | 43 | 6 | 25 | -11 | 0.74 | 0.00 | 0.31 | 11.40 | 134 | 5.97 | 123 | 77 | 52 | 0 | 7 | 3 | 0 |
| LA PADUCAH | 33 | 15 | 41 | 5 | 24 | -13 | 0.41 | -0.57 | 0.40 | 12.74 | 129 | 4.60 | 84 | 85 | 54 | 0 | 7 | 2 | 0 |
| BATON ROUGE | 57 | 37 | 73 | 29 | 47 | -5 | 2.34 | 1.03 | 2.12 | 10.16 | 71 | 6.44 | 71 | 93 | 60 | 0 | 2 | 3 | 1 |
| LAKE CHARLES | 55 | 35 | 69 | 28 | 45 | -8 | 1.44 | 0.60 | 1.30 | 6.78 | 56 | 4.73 | 63 | 96 | 68 | 0 | 2 | 3 | 1 |
| NEW ORLEANS | 60 | 41 | 70 | 36 | 51 | -4 | 1.76 | 0.33 | 0.99 | 8.76 | 62 | 5.55 | 62 | 94 | 83 | 0 | 0 | 3 | 2 |
| SHREVEPORT | 52 | 31 | 72 | 24 | 42 | -8 | 0.59 | -0.47 | 0.58 | 7.62 | 67 | 2.64 | 38 | 88 | 53 | 0 | 4 | 2 | 1 |
| ME CARIBOU | 19 | 2 | 28 | -11 | 10 | -1 | 0.68 | 0.18 | 0.37 | 8.66 | 119 | 5.08 | 124 | 83 | 54 | 0 | 7 | 4 | 0 |
| PORTLAND | 29 | 8 | 34 | -6 | 18 | -6 | 1.73 | 0.97 | 0.93 | 10.85 | 108 | 6.50 | 112 | 86 | 50 | 0 | 7 | 5 | 1 |
| MD BALTIMORE | 34 | 21 | 46 | 14 | 28 | -6 | 2.22 | 1.52 | 1.73 | 12.14 | 146 | 6.87 | 138 | 71 | 55 | 0 | 7 | 4 | 1 |
| MA BOSTON | 31 | 20 | 37 | 8 | 25 | -6 | 1.67 | 0.86 | 1.16 | 10.83 | 115 | 6.21 | 109 | 82 | 50 | 0 | 7 | 4 | 1 |
| WORCESTER | 26 | 13 | 31 | 0 | 20 | -5 | 1.47 | 0.73 | 1.07 | 10.35 | 109 | 5.93 | 104 | 91 | 53 | 0 | 7 | 4 | 1 |
| MI ALPENA | 19 | -1 | 28 | -10 | 9 | -9 | 0.15 | -0.15 | 0.08 | 3.90 | 92 | 1.76 | 72 | 86 | 59 | 0 | 7 | 4 | 0 |
| GRAND RAPIDS | 23 | 8 | 31 | -6 | 16 | -8 | 0.08 | -0.29 | 0.05 | 7.00 | 126 | 4.30 | 150 | 83 | 54 | 0 | 7 | 3 | 0 |
| HOUGHTON LAKE | 19 | 0 | 26 | -11 | 10 | -9 | 0.09 | -0.20 | 0.04 | 4.31 | 108 | 2.11 | 94 | 84 | 63 | 0 | 7 | 4 | 0 |
| LANSING | 23 | 7 | 31 | -3 | 15 | -8 | 0.05 | -0.31 | 0.05 | 4.81 | 106 | 2.93 | 123 | 79 | 59 | 0 | 7 | 1 | 0 |
| MUSKEGON | 23 | 10 | 30 | -2 | 16 | -8 | 0.16 | -0.22 | 0.07 | 6.63 | 116 | 3.93 | 127 | 74 | 60 | 0 | 7 | 4 | 0 |
| MN TRVERSE CITY | 20 | 6 | 29 | -4 | 13 | -8 | 0.02 | -0.46 | 0.02 | 6.00 | 89 | 3.41 | 83 | 83 | 57 | 0 | 7 | 1 | 0 |
| DULUTH | 13 | -6 | 22 | -17 | 3 | -10 | 0.36 | 0.17 | 0.27 | 4.02 | 160 | 1.14 | 72 | 77 | 58 | 0 | 7 | 3 | 0 |
| INT'L FALLS | 9 | -15 | 15 | -27 | -3 | -12 | 0.33 | 0.18 | 0.17 | 2.67 | 141 | 1.23 | 103 | 82 | 56 | 0 | 7 | 4 | 0 |
| MNNEAPOLIS | 17 | -2 | 30 | -12 | 8 | -10 | 2.75 | 2.58 | 1.42 | 8.35 | 345 | 6.89 | 485 | 82 | 69 | 0 | 7 | 3 | 2 |
| ROCHESTER | 15 | -5 | 32 | -19 | 5 | -12 | 0.26 | 0.09 | 0.22 | 2.42 | 104 | 1.32 | 101 | 79 | 69 | 0 | 7 | 2 | 0 |
| ST. CLOUD | 16 | -7 | 29 | -25 | 5 | -9 | 0.08 | -0.05 | 0.04 | 3.19 | 182 | 1.42 | 134 | 81 | 54 | 0 | 7 | 3 | 0 |
| MS JACKSON | 50 | 32 | 63 | 26 | 41 | -7 | 1.43 | 0.32 | 0.73 | 9.59 | 71 | 5.09 | 63 | 90 | 64 | 0 | 5 | 4 | 1 |
| MERIDIAN | 51 | 32 | 64 | 28 | 42 | -7 | 2.31 | 1.04 | 1.18 | 14.96 | 107 | 7.61 | 88 | 94 | 70 | 0 | 5 | 4 | 2 |
| TUPELO | 45 | 29 | 54 | 25 | 37 | -6 | 0.63 | -0.44 | 0.38 | 11.43 | 85 | 5.25 | 71 | 86 | 68 | 0 | 6 | 4 | 0 |
| MO COLUMBIA | 30 | 8 | 42 | -7 | 19 | -13 | 0.06 | -0.45 | 0.06 | 3.76 | 72 | 2.05 | 74 | 78 | 52 | 0 | 7 | 1 | 0 |
| KANSAS CITY | 30 | 9 | 44 | -5 | 20 | -11 | 0.06 | -0.20 | 0.06 | 3.58 | 108 | 2.78 | 165 | 77 | 55 | 0 | 7 | 1 | 0 |
| SAINT LOUIS | 31 | 10 | 49 | -1 | 20 | -14 | 0.40 | -0.11 | 0.31 | 5.36 | 88 | 3.40 | 106 | 71 | 58 | 0 | 7 | 2 | 0 |
| MT SPRINGFIELD | 39 | 16 | 51 | 9 | 28 | -7 | 0.05 | -0.47 | 0.03 | 4.19 | 66 | 1.63 | 51 | 78 | 56 | 0 | 7 | 2 | 0 |
| BILLINGS | 36 | 21 | 48 | -1 | 28 | -1 | 0.27 | 0.16 | 0.21 | 6.96 | 400 | 4.98 | 465 | 72 | 52 | 0 | 5 | 3 | 0 |
| BUTTE | 36 | 12 | 42 | 1 | 24 | 3 | 0.18 | 0.10 | 0.11 | 0.72 | 58 | 0.50 | 70 | 87 | 51 | 0 | 7 | 4 | 0 |
| CUT BANK | 35 | 11 | 45 | -19 | 23 | 0 | 0.00 | -0.06 | 0.00 | 0.90 | 107 | 0.46 | 90 | 83 | 52 | 0 | 7 | 0 | 0 |
| GLASGOW | 26 | -1 | 45 | -13 | 12 | -5 | 0.14 | 0.08 | 0.14 | 1.14 | 136 | 0.27 | 57 | 89 | 76 | 0 | 7 | 1 | 0 |
| GREAT FALLS | 37 | 17 | 48 | -6 | 27 | 2 | 0.09 | 0.00 | 0.07 | 2.62 | 168 | 1.68 | 189 | 84 | 51 | 0 | 7 | 3 | 0 |
| HAVRE | 33 | 3 | 46 | -19 | 18 | -2 | 0.04 | -0.02 | 0.04 | 1.76 | 160 | 0.47 | 80 | 81 | 69 | 0 | 7 | 1 | 0 |
| MISSOULA | 36 | 22 | 45 | 10 | 29 | 1 | 0.58 | 0.41 | 0.23 | 2.74 | 106 | 1.62 | 113 | 91 | 74 | 0 | 7 | 7 | 0 |
| NE GRAND ISLAND | 34 | 18 | 57 | 6 | 26 | -1 | 0.06 | -0.05 | 0.06 | 0.62 | 44 | 0.51 | 69 | 78 | 72 | 0 | 7 | 1 | 0 |
| LINCOLN | 33 | 11 | 58 | -10 | 22 | -5 | 0.04 | -0.05 | 0.02 | 0.67 | 39 | 0.45 | 52 | 78 | 61 | 0 | 7 | 3 | 0 |
| NORFOLK | 31 | 10 | 57 | -13 | 21 | -4 | 0.02 | -0.12 | 0.02 | 0.38 | 26 | 0.24 | 29 | 75 | 64 | 0 | 7 | 1 | 0 |
| NORTH PLATTE | 35 | 15 | 53 | 9 | 25 | -3 | 0.11 | 0.02 | 0.11 | 0.75 | 79 | 0.59 | 107 | 84 | 62 | 0 | 7 | 1 | 0 |
| OMAHA | 30 | 9 | 55 | -9 | 20 | -6 | 0.10 | -0.04 | 0.08 | 1.40 | 70 | 1.20 | 112 | 79 | 64 | 0 | 7 | 2 | 0 |
| SCOTTSBLUFF | 37 | 13 | 52 | -8 | 25 | -4 | 0.33 | 0.22 | 0.27 | 1.79 | 134 | 1.16 | 149 | 84 | 70 | 0 | 7 | 3 | 0 |
| VALENTINE | 37 | 11 | 53 | -12 | 24 | -1 | 0.04 | -0.04 | 0.02 | 0.92 | 118 | 0.21 | 47 | 81 | 63 | 0 | 7 | 2 | 0 |
| NV ELY | 52 | 30 | 59 | 23 | 41 | 12 | 0.27 | 0.10 | 0.19 | 2.12 | 136 | 1.13 | 107 | 85 | 62 | 0 | 4 | 2 | 0 |
| LAS VEGAS | 71 | 48 | 74 | 45 | 59 | 8 | 0.00 | -0.16 | 0.00 | 0.05 | 4 | 0.00 | 0 | 45 | 31 | 0 | 0 | 0 | 0 |
| RENO | 63 | 40 | 71 | 29 | 51 | 13 | 0.25 | 0.00 | 0.13 | 1.12 | 45 | 0.71 | 45 | 64 | 42 | 0 | 1 | 2 | 0 |
| WINNEMUCCA | 57 | 39 | 68 | 27 | 48 | 13 | 0.80 | 0.66 | 0.63 | 2.05 | 106 | 1.44 | 127 | 83 | 57 | 0 | 1 | 4 | 1 |
| NH CONCORD | 28 | 2 | 33 | -13 | 15 | -7 | 1.57 | 1.00 | 0.88 | 9.02 | 125 | 5.63 | 133 | 91 | 54 | 0 | 7 | 4 | 2 |
| NJ NEWARK | 32 | 19 | 40 | 7 | 25 | -8 | 5.18 | 4.48 | 1.69 | 15.64 | 171 | 11.02 | 199 | 77 | 58 | 0 | 7 | 5 | 4 |
| NM ALBUQUERQUE | 64 | 35 | 70 | 31 | 49 | 9 | 0.00 | -0.08 | 0.00 | 0.65 | 56 | 0.25 | 37 | 57 | 23 | 0 | 2 | 0 | 0 |
| NY ALBANY | 27 | 10 | 34 | -8 | 18 | -6 | 4.29 | 3.77 | 1.50 | 10.96 | 175 | 7.58 | 211 | 81 | 51 | 0 | 7 | 4 | 4 |
| BINGHAMTON | 22 | 8 | 31 | -3 | 15 | -8 | 0.91 | 0.30 | 0.55 | 8.62 | 125 | 5.18 | 134 | 88 | 70 | 0 | 7 | 4 | 1 |
| BUFFALO | 23 | 7 | 27 | -3 | 15 | -10 | 2.88 | 2.29 | 0.91 | 13.82 | 167 | 8.90 | 199 | 85 | 62 | 0 | 7 | 4 | 4 |
| ROCHESTER | 25 | 9 | 32 | -5 | 17 | -7 | 4.30 | 3.80 | 0.79 | 10.92 | 178 | 7.93 | 233 | 82 | 64 | 0 | 7 | 6 | 6 |
| SYRACUSE | 24 | 11 | 32 | -5 | 18 | -5 | 8.37 | 7.86 | 1.69 | 17.85 | 261 | 14.96 | 401 | 93 | 64 | 0 | 7 | 6 | 6 |
| NC ASHEVILLE | 41 | 27 | 56 | 22 | 34 | -4 | 1.00 | 0.09 | 0.78 | 12.15 | 129 | 4.48 | 74 | 89 | 69 | 0 | 7 | 4 | 1 |
| CHARLOTTE | 46 | 29 | 60 | 23 | 38 | -6 | 1.93 | 1.10 | 1.01 | 12.35 | 137 | 5.22 | 90 | 91 | 50 | 0 | 6 | 5 | 2 |
| GREENSBORO | 41 | 27 | 55 | 20 | 34 | -6 | 1.31 | 0.57 | 0.76 | 10.91 | 133 | 5.72 | 111 | 81 | 49 | 0 | 5 | 4 | 1 |
| HATTERAS | 51 | 35 | 57 | 30 | 43 | -3 | 2.86 | 1.90 | 1.00 | 13.10 | 104 | 9.20 | 114 | 96 | 69 | 0 | 1 | 4 | 3 |
| RALEIGH | 43 | 29 | 56 | 23 | 36 | -6 | 1.39 | 0.56 | 0.68 | 10.00 | 113 | 4.09 | 70 | 87 | 62 | 0 | 6 | 4 | 1 |
| WILMINGTON | 49 | 32 | 61 | 29 | 41 | -7 | 1.57 | 0.68 | 0.73 | 6.83 | 67 | 5.10 | 79 | 92 | 58 | 0 | 4 | 4 | 2 |
| ND BISMARCK | 25 | -6 | 41 | -18 | 9 | -7 | 0.02 | -0.09 | 0.02 | 1.67 | 148 | 0.41 | 59 | 81 | 67 | 0 | 7 | 1 | 0 |
| DICKINSON | 29 | -1 | 42 | -15 | 14 | -6 | 0.09 | -0.02 | 0.06 | 0.51 | 54 | 0.13 | 21 | 86 | 66 | 0 | 7 | 4 | 0 |
| FARGO | 13 | -9 | 27 | -20 | 2 | -10 | 0.01 | -0.10 | 0.01 | 4.89 | 308 | 3.68 | 361 | 79 | 66 | 0 | 7 | 1 | 0 |
| GRAND FORKS | 9 | -13 | 21 | -23 | -2 | -13 | 0.31 | 0.17 | 0.28 | 1.83 | 120 | 1.01 | 103 | 82 | 65 | 0 | 7 | 3 | 0 |
| JAMESTOWN | 16 | -7 | 33 | -16 | 5 | -9 | 0.02 | -0.09 | 0.01 | 0.94 | 72 | 0.31 | 36 | 86 | 69 | 0 | 7 | 2 | 0 |
| WILLISTON | 26 | -7 | 42 | -17 | 9 | -6 | 0.15 | 0.07 | 0.14 | 1.41 | 109 | 0.34 | 47 | 79 | 67 | 0 | 7 | 2 | 0 |
| OH AKRON-CANTON | 26 | 9 | 37 | -3 | 18 | -9 | 1.25 | 0.72 | 0.71 | 8.19 | 124 | 4.70 | 130 | 85 | 62 | 0 | 7 | 3 | 2 |
| CINCINNATI | 30 | 12 | 42 | 2 | 21 | -12 | 0.84 | 0.20 | 0.51 | 10.74 | 142 | 5.82 | 136 | 82 | 55 | 0 | 7 | 3 | 1 |
| CLEVELAND | 26 | 8 | 32 | -6 | 17 | -10 | 1.94 | 1.39 | 0.98 | 12.07 | 178 | 7.97 | 218 | 79 | 55 | 0 | 7 | 4 | 2 |
| COLUMBUS | 28 | 10 | 40 | -3 | 19 | -12 | 0.84 | 0.32 | 0.71 | 10.18 | 154 | 5.88 | 160 | 77 | 57 | 0 | 7 | 3 | 1 |
| DAYTON | 27 | 5 | 39 | -7 | 16 | -13 | 0.80 | 0.25 | 0.71 | 9.84 | 143 | 5.26 | 139 | 84 | 57 | 0 | 7 | 2 | 1 |
| MANSFIELD | 23 | 6 | 33 | -5 | 15 | -11 | 0.23 | -0.29 | 0.23 | 7.34 | 104 | 3.27 | 87 | 91 | 57 | 0 | 7 | 1 | 0 |

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending February 15, 2014

| STATES AND STATIONS | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY PERCENT | | NUMBER OF DAYS | | | |
|---------------------|-----------------|-----------------|--------------|-------------|---------|-----------------------|-------------------|-----------------------|--------------------------|------------------------|-------------------------|-------------------------|--------------------------|---------------------------|-----------------|----------------|--------------|------------------|-----------------|
| | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN., SINCE DEC 1 | PCT. NORMAL SINCE DEC 1 | TOTAL IN., SINCE JAN 01 | PCT. NORMAL SINCE JAN 01 | AVERAGE MAXIMUM | AVERAGE MINIMUM | TEMP. °F | | PRECIP | |
| | | | | | | | | | | | | | | | | 90 AND ABOVE | 32 AND BELOW | 0.1 INCH OR MORE | 50 INCH OR MORE |
| OK TOLEDO | 22 | 0 | 30 | -14 | 11 | -15 | 0.22 | -0.24 | 0.21 | 8.15 | 147 | 5.08 | 176 | 87 | 63 | 0 | 7 | 2 | 0 |
| OK YOUNGSTOWN | 25 | 7 | 31 | -3 | 16 | -11 | 2.80 | 2.33 | 0.79 | 10.77 | 170 | 7.25 | 216 | 81 | 62 | 0 | 7 | 4 | 4 |
| OK OKLAHOMA CITY | 49 | 25 | 67 | 19 | 37 | -4 | 0.00 | -0.30 | 0.00 | 1.69 | 45 | 0.43 | 23 | 79 | 44 | 0 | 6 | 0 | 0 |
| OR TULSA | 48 | 21 | 67 | 8 | 35 | -6 | 0.02 | -0.38 | 0.02 | 2.11 | 44 | 0.33 | 14 | 73 | 47 | 0 | 6 | 1 | 0 |
| OR ASTORIA | 51 | 41 | 54 | 33 | 46 | 2 | 2.96 | 0.95 | 1.15 | 14.67 | 60 | 9.67 | 69 | 91 | 81 | 0 | 0 | 6 | 2 |
| OR BURNS | 47 | 29 | 52 | 19 | 38 | 9 | 0.63 | 0.38 | 0.32 | 2.21 | 73 | 2.00 | 117 | 95 | 82 | 0 | 3 | 3 | 0 |
| OR EUGENE | 51 | 40 | 57 | 32 | 45 | 3 | 3.58 | 1.96 | 1.54 | 9.71 | 50 | 8.23 | 73 | 93 | 88 | 0 | 2 | 7 | 3 |
| OR MEDFORD | 55 | 43 | 61 | 37 | 49 | 6 | 3.53 | 3.01 | 1.69 | 5.21 | 80 | 4.85 | 134 | 95 | 74 | 0 | 0 | 4 | 3 |
| OR PENDLETON | 45 | 31 | 59 | 17 | 38 | 0 | 0.42 | 0.12 | 0.12 | 2.82 | 79 | 2.02 | 96 | 89 | 70 | 0 | 3 | 6 | 0 |
| OR PORTLAND | 50 | 38 | 56 | 27 | 44 | 2 | 2.05 | 0.99 | 0.82 | 7.62 | 58 | 6.00 | 81 | 92 | 81 | 0 | 2 | 6 | 2 |
| OR SALEM | 51 | 42 | 56 | 31 | 46 | 4 | 3.32 | 2.01 | 1.03 | 7.71 | 51 | 6.44 | 74 | 93 | 82 | 0 | 1 | 7 | 4 |
| PA ALLENTOWN | 30 | 10 | 40 | -4 | 20 | -9 | 1.62 | 0.96 | 1.22 | 12.38 | 148 | 8.34 | 168 | 81 | 55 | 0 | 7 | 5 | 1 |
| PA ERIE | 23 | 3 | 27 | -4 | 13 | -14 | 0.29 | -0.26 | 0.15 | 10.33 | 139 | 4.37 | 119 | 82 | 66 | 0 | 7 | 3 | 0 |
| PA MIDDLETOWN | 31 | 15 | 42 | 2 | 23 | -7 | 1.38 | 0.68 | 1.02 | 9.87 | 131 | 6.13 | 142 | 84 | 50 | 0 | 7 | 4 | 1 |
| PA PHILADELPHIA | 33 | 22 | 44 | 12 | 27 | -7 | 1.74 | 1.10 | 1.25 | 13.08 | 159 | 7.88 | 160 | 72 | 53 | 0 | 7 | 5 | 1 |
| PA PITTSBURGH | 28 | 12 | 34 | 1 | 20 | -9 | 0.19 | -0.36 | 0.09 | 6.77 | 100 | 3.51 | 90 | 86 | 56 | 0 | 7 | 4 | 0 |
| PA WILKES-BARRE | 27 | 10 | 34 | -6 | 18 | -10 | 1.16 | 0.65 | 0.76 | 7.79 | 127 | 4.45 | 124 | 85 | 56 | 0 | 7 | 5 | 1 |
| PA WILLIAMSPORT | 27 | 9 | 37 | -7 | 18 | -9 | 0.90 | 0.25 | 0.60 | 6.94 | 97 | 3.30 | 78 | 82 | 60 | 0 | 7 | 3 | 1 |
| RI PROVIDENCE | 32 | 18 | 38 | 7 | 25 | -5 | 1.98 | 1.14 | 1.50 | 11.97 | 115 | 7.15 | 114 | 81 | 57 | 0 | 7 | 4 | 1 |
| SC BEAUFORT | 56 | 35 | 70 | 32 | 46 | -4 | 0.87 | 0.10 | 0.82 | 6.29 | 70 | 3.51 | 60 | 89 | 51 | 0 | 1 | 3 | 1 |
| SC CHARLESTON | 55 | 35 | 69 | 32 | 45 | -5 | 1.18 | 0.44 | 0.95 | 6.40 | 71 | 4.25 | 74 | 88 | 53 | 0 | 1 | 4 | 1 |
| SC COLUMBIA | 50 | 32 | 65 | 28 | 41 | -6 | 2.17 | 1.23 | 1.28 | 11.83 | 117 | 5.95 | 88 | 90 | 68 | 0 | 4 | 4 | 1 |
| SC GREENVILLE | 47 | 31 | 61 | 25 | 39 | -4 | 1.14 | 0.16 | 0.84 | 11.63 | 112 | 4.96 | 76 | 91 | 57 | 0 | 5 | 6 | 1 |
| SD ABERDEEN | 19 | -6 | 38 | -20 | 6 | -11 | 0.06 | -0.02 | 0.06 | 1.22 | 117 | 0.34 | 52 | 83 | 71 | 0 | 7 | 1 | 0 |
| SD HURON | 25 | 0 | 40 | -14 | 12 | -7 | 0.23 | 0.13 | 0.12 | 1.46 | 138 | 0.43 | 64 | 81 | 60 | 0 | 7 | 4 | 0 |
| SD RAPID CITY | 36 | 13 | 50 | -7 | 24 | -2 | 0.05 | -0.03 | 0.02 | 0.91 | 99 | 0.35 | 67 | 81 | 53 | 0 | 7 | 3 | 0 |
| SD SIOUX FALLS | 21 | -2 | 41 | -18 | 9 | -10 | 0.60 | 0.52 | 0.20 | 2.72 | 225 | 1.59 | 230 | 83 | 68 | 0 | 7 | 4 | 0 |
| TN BRISTOL | 40 | 23 | 46 | 15 | 32 | -5 | 0.72 | -0.09 | 0.50 | 10.36 | 120 | 4.02 | 77 | 87 | 51 | 0 | 6 | 4 | 1 |
| TN CHATTANOOGA | 46 | 31 | 53 | 26 | 38 | -4 | 1.05 | -0.11 | 0.73 | 14.23 | 112 | 6.25 | 79 | 82 | 61 | 0 | 5 | 3 | 1 |
| TN KNOXVILLE | 42 | 30 | 50 | 27 | 36 | -4 | 0.90 | -0.04 | 0.59 | 14.03 | 127 | 5.81 | 88 | 88 | 56 | 0 | 6 | 4 | 1 |
| TN MEMPHIS | 42 | 27 | 51 | 19 | 34 | -10 | 0.27 | -0.76 | 0.26 | 12.74 | 106 | 7.92 | 124 | 79 | 48 | 0 | 5 | 2 | 0 |
| TN NASHVILLE | 42 | 24 | 53 | 17 | 33 | -7 | 0.39 | -0.46 | 0.35 | 14.72 | 143 | 6.74 | 117 | 78 | 45 | 0 | 7 | 3 | 0 |
| TX ABILENE | 55 | 31 | 78 | 22 | 43 | -4 | 0.01 | -0.25 | 0.01 | 1.58 | 58 | 0.47 | 32 | 76 | 54 | 0 | 3 | 1 | 0 |
| TX AMARILLO | 50 | 25 | 71 | 16 | 37 | -2 | 0.00 | -0.11 | 0.00 | 0.69 | 48 | 0.37 | 44 | 77 | 43 | 0 | 5 | 0 | 0 |
| TX AUSTIN | 64 | 34 | 84 | 24 | 49 | -4 | 0.05 | -0.41 | 0.05 | 1.69 | 32 | 0.83 | 30 | 80 | 52 | 0 | 3 | 1 | 0 |
| TX BEAUMONT | 60 | 37 | 73 | 28 | 48 | -6 | 1.21 | 0.36 | 0.65 | 4.27 | 33 | 2.98 | 39 | 95 | 62 | 0 | 1 | 2 | 2 |
| TX BROWNSVILLE | 72 | 46 | 80 | 37 | 59 | -3 | 0.04 | -0.28 | 0.04 | 4.29 | 134 | 0.77 | 37 | 95 | 71 | 0 | 0 | 1 | 0 |
| TX CORPUS CHRISTI | 69 | 41 | 91 | 31 | 55 | -3 | 0.04 | -0.41 | 0.02 | 1.07 | 25 | 0.78 | 31 | 89 | 64 | 1 | 1 | 2 | 0 |
| TX DEL RIO | 70 | 37 | 92 | 25 | 54 | -1 | 0.00 | -0.23 | 0.00 | 0.51 | 29 | 0.03 | 3 | 74 | 45 | 1 | 2 | 0 | 0 |
| TX EL PASO | 74 | 44 | 83 | 31 | 59 | 10 | 0.00 | -0.08 | 0.00 | 0.26 | 19 | 0.00 | 0 | 36 | 16 | 0 | 1 | 0 | 0 |
| TX FORT WORTH | 54 | 33 | 72 | 28 | 44 | -4 | 0.02 | -0.50 | 0.02 | 3.47 | 64 | 0.71 | 25 | 82 | 50 | 0 | 4 | 1 | 0 |
| TX GALVESTON | 58 | 42 | 71 | 36 | 50 | -7 | 0.60 | -0.07 | 0.40 | 3.32 | 36 | 2.67 | 47 | 99 | 71 | 0 | 0 | 2 | 0 |
| TX HOUSTON | 61 | 38 | 78 | 29 | 49 | -5 | 0.68 | -0.06 | 0.63 | 3.82 | 42 | 2.16 | 41 | 93 | 61 | 0 | 1 | 2 | 1 |
| TX LUBBOCK | 58 | 27 | 87 | 17 | 43 | 1 | 0.00 | -0.17 | 0.00 | 0.76 | 51 | 0.16 | 19 | 73 | 43 | 0 | 5 | 0 | 0 |
| TX MIDLAND | 63 | 31 | 84 | 20 | 47 | 0 | 0.00 | -0.13 | 0.00 | 1.68 | 117 | 0.24 | 30 | 72 | 39 | 0 | 4 | 0 | 0 |
| TX SAN ANGELO | 64 | 30 | 82 | 23 | 47 | -1 | 0.00 | -0.28 | 0.00 | 1.23 | 53 | 0.08 | 6 | 80 | 53 | 0 | 4 | 0 | 0 |
| TX SAN ANTONIO | 69 | 39 | 92 | 33 | 54 | 1 | 0.00 | -0.42 | 0.00 | 1.01 | 23 | 0.46 | 18 | 86 | 44 | 1 | 0 | 0 | 0 |
| TX VICTORIA | 65 | 39 | 85 | 30 | 52 | -3 | 0.02 | -0.48 | 0.01 | 1.80 | 30 | 1.35 | 38 | 90 | 60 | 0 | 1 | 2 | 0 |
| TX WACO | 58 | 30 | 76 | 24 | 44 | -5 | 0.04 | -0.53 | 0.04 | 1.91 | 33 | 0.57 | 19 | 89 | 61 | 0 | 6 | 1 | 0 |
| TX WICHITA FALLS | 50 | 27 | 71 | 21 | 39 | -5 | 0.00 | -0.34 | 0.00 | 1.67 | 48 | 0.38 | 21 | 86 | 59 | 0 | 6 | 0 | 0 |
| UT SALT LAKE CITY | 54 | 39 | 61 | 33 | 46 | 13 | 0.63 | 0.33 | 0.25 | 3.73 | 115 | 2.06 | 102 | 88 | 52 | 0 | 0 | 4 | 0 |
| VT BURLINGTON | 25 | 9 | 33 | -11 | 17 | -2 | 0.55 | 0.14 | 0.27 | 6.03 | 112 | 3.49 | 111 | 84 | 51 | 0 | 7 | 6 | 0 |
| VA LYNCHBURG | 39 | 25 | 53 | 19 | 32 | -5 | 1.64 | 0.90 | 0.76 | 12.38 | 148 | 6.69 | 130 | 78 | 44 | 0 | 7 | 3 | 2 |
| VA NORFOLK | 45 | 31 | 60 | 25 | 38 | -3 | 1.48 | 0.68 | 0.95 | 10.31 | 118 | 5.56 | 98 | 79 | 54 | 0 | 5 | 3 | 1 |
| VA RICHMOND | 40 | 27 | 54 | 20 | 33 | -5 | 1.61 | 0.92 | 0.96 | 11.99 | 147 | 5.88 | 117 | 75 | 60 | 0 | 7 | 3 | 2 |
| VA ROANOKE | 40 | 25 | 51 | 19 | 32 | -6 | 3.14 | 2.40 | 1.10 | 11.41 | 149 | 7.03 | 146 | 76 | 51 | 0 | 6 | 4 | 3 |
| WA WASH/DULLES | 34 | 19 | 50 | 14 | 27 | -7 | 1.48 | 0.82 | 1.24 | 11.64 | 154 | 6.06 | 136 | 74 | 60 | 0 | 7 | 3 | 1 |
| WA OLYMPIA | 49 | 36 | 54 | 30 | 42 | 2 | 2.87 | 1.27 | 0.71 | 9.97 | 53 | 7.95 | 72 | 96 | 82 | 0 | 3 | 7 | 2 |
| WA QUILLAYUTE | 52 | 41 | 54 | 33 | 46 | 4 | 4.90 | 1.76 | 1.20 | 23.18 | 66 | 17.02 | 83 | 87 | 77 | 0 | 0 | 7 | 4 |
| WA SEATTLE-TACOMA | 51 | 41 | 55 | 31 | 46 | 3 | 2.56 | 1.49 | 0.72 | 8.20 | 63 | 6.54 | 87 | 86 | 77 | 0 | 1 | 7 | 2 |
| WA SPOKANE | 38 | 28 | 46 | 17 | 33 | 2 | 1.98 | 1.62 | 0.59 | 4.18 | 86 | 3.50 | 134 | 95 | 69 | 0 | 4 | 6 | 2 |
| WA YAKIMA | 44 | 25 | 58 | 15 | 35 | 1 | 0.73 | 0.54 | 0.26 | 2.02 | 68 | 1.70 | 106 | 87 | 76 | 0 | 6 | 5 | 0 |
| WV BECKLEY | 32 | 18 | 42 | 9 | 25 | -8 | 1.26 | 0.56 | 0.54 | 13.68 | 175 | 7.32 | 155 | 79 | 63 | 0 | 7 | 6 | 1 |
| WV CHARLESTON | 36 | 20 | 47 | 9 | 28 | -8 | 1.77 | 1.02 | 0.57 | 13.00 | 159 | 6.76 | 139 | 98 | 56 | 0 | 7 | 6 | 2 |
| WV ELKINS | 32 | 15 | 41 | 3 | 24 | -7 | 1.00 | 0.24 | 0.48 | 11.41 | 135 | 5.14 | 102 | 88 | 50 | 0 | 7 | 5 | 0 |
| WV HUNTINGTON | 36 | 20 | 49 | 9 | 28 | -7 | 0.48 | -0.24 | 0.26 | 11.60 | 143 | 6.05 | 128 | 88 | 52 | 0 | 7 | 6 | 0 |
| WI EAU CLAIRE | 15 | -8 | 29 | -25 | 4 | -13 | 0.05 | -0.13 | 0.04 | 3.16 | 127 | 1.63 | 112 | 86 | 57 | 0 | 7 | 2 | 0 |
| WI GREEN BAY | 16 | -6 | 24 | -17 | 5 | -14 | 0.37 | 0.15 | 0.13 | 3.61 | 116 | 1.72 | 101 | 85 | 58 | 0 | 7 | 3 | 0 |
| WI LA CROSSE | 18 | -4 | 32 | -16 | 7 | -14 | 0.17 | -0.07 | 0.13 | 2.72 | 92 | 1.20 | 69 | 86 | 53 | 0 | 7 | 3 | 0 |
| WI MADISON | 18 | -2 | 31 | -15 | 8 | -13 | 0.15 | -0.15 | 0.08 | 2.67 | 75 | 1.05 | 55 | 83 | 60 | 0 | 7 | 3 | 0 |
| WI MILWAUKEE | 20 | 6 | 30 | -2 | 13 | -11 | 1.98 | 1.57 | 0.98 | 7.07 | 143 | 5.28 | 193 | 76 | 58 | 0 | 7 | 3 | 2 |
| WY CASPER | 38 | 13 | 48 | -8 | 25 | -1 | 0.05 | -0.09 | 0.03 | 2.14 | 145 | 0.94 | 109 | 83 | 64 | 0 | 7 | 2 | 0 |
| WY CHEYENNE | 38 | 18 | 49 | 0 | 28 | 0 | 0.32 | -0.24 | 0.18 | 2.13 | 195 | 1.63 | 259 | 83 | 64 | 0 | 6 | 2 | 0 |
| WY LANDER | 42 | 18 | 53 | 1 | 30 | 6 | 0.00 | -0.11 | 0.00 | 1.37 | 103 | 0.68 | 94 | 81 | 40 | 0 | 6 | 0 | 0 |
| WY SHERIDAN | 37 | 11 | 49 | -7 | 24 | -2 | 0.30 | 0.17 | 0.26 | 2.29 | 132 | 1.17 | 110 | 77 | 54 | 0 | 6 | 4 | 0 |

Based on 1971-2000 normals

*** Not Available

National Agricultural Summary

February 10 - 16, 2014

Weekly National Agricultural Summary provided by USDA/NASS

Cooler-than-normal weather continued in the eastern half of the country, with temperatures approaching 20°F below average at some locations in Illinois. Conversely, abnormally warm weather prevailed in parts of California, Nevada, and Utah. Above-average precipitation fell across much of the Atlantic Coast States and Pacific Northwest. Elsewhere, the Southwestern region of the country was generally dry.

A few showers, left over from a previous rain event, lingered across Northern California at the start of the week. High pressure then began to build, resulting in dry, warm conditions across Southern California, while a series of relatively weak weather disturbances brushed Northern California. These systems brought scattered showers to the north, with the heaviest precipitation focused on the far northern coastal region. The last of these systems swept through Northern California at week's end, bringing widespread rainfall to higher elevations but little rain in valley locations. In the south, high pressure combined with a moderate offshore flow to bring dry, warm conditions. By the weekend, the flow reversed and an onshore breeze lowered temperatures and increased humidity levels. Wheat and small grain conditions continued to improve due to recent rains but development remained behind schedule. Rice fields were drained. Dryland oat conditions remained below average due to drought. Alfalfa was sprayed for aphids. Aphid pressure on alfalfa was compounded by lack of precipitation. Preparation was underway for the planting of corn fields. Bloom continued for stone fruit trees. Grape and plum growers applied herbicides. Canes were tied in kiwi and grape vineyards. Navel orange, Murcott tangerine, lemon and Minneola tangelo harvests continued. Frost-damaged citrus fruit was graded out. Almond bloom was well underway. Fungicide applications began in some areas. Pruning remained active in walnut, pecan, and pistachio orchards. Tulare County reported fields were being prepared and planted with winter vegetables. Winter peas, carrots, cabbage, onion, and kale continued to grow well. In Fresno County, dry conditions allowed for winter vegetable harvest. Processing tomato fields were bedded. Lettuce, cauliflower and spinach harvest continued. Asparagus was harvested in Monterey County. In San Joaquin County, onions were germinating. In Stanislaus County, broccoli was harvested. Parsley, onions, and spinach were growing well. Range and non-irrigated pasture continued to be in poor to fair condition. Despite the storms, drought conditions persisted. Livestock supplemental feeding of hay and grain continued. Bees were active in almond orchards.

Arizona's alfalfa condition was rated poor to excellent, depending on location. Harvesting occurred on over three-quarters of the alfalfa acreage. Sheep continued to graze on various alfalfa fields in many areas. Barley conditions were mostly good to excellent, with 100 percent planted. Winter wheat conditions were very poor to good, depending on location. Central Arizona growers shipped Bok Choy, broccoli, cilantro, red and green cabbage, Chinese cabbage, kale, lemons, and parsley. Western Arizona growers shipped anise, arugula, broccoli, Bok Choy, green and red cabbage, cauliflower, celery, Chinese cabbage, cilantro, endive, escarole, frisee, kale, parsley, radicchio, spinach, and various lettuces, including Boston, iceberg, romaine, green and red leaf lettuce.

The week began with cold fronts and ice in some areas of the Texas, followed by warmer weather. Parts of North East Texas and the Upper Coast saw up to an inch of precipitation, while the remainder of the state only received trace amounts, if any. According to the most recent Drought Monitor, more than half of Texas is rated in a moderate drought or worse, with parts of the Panhandle in a severe to exceptional drought. Small grains in the Cross Timbers show severe signs of drought. The recent cold fronts in the Blacklands took a toll on wheat fields, causing them to grow at a slow pace. Oat fields have been set back due to the recent sub-freezing temperatures. Corn planting in the Upper Coast has been delayed due to the limited amount of soil moisture. Producers on the Northern High Plains are preparing their fields for corn, sorghum, and cotton planting. Spring vegetable planting is under way in the Lower Valley. The spring vegetable crop looks promising as long as there are no late freezes. The onion crop is progressing well. Spinach harvest was very active in the Upper Coast. Cattle producers on the Northern High Plains welcomed the warmer weather as they prepared for the spring calving season. Supplemental feeding continued. Pastures and ponds are in need of significant moisture across the state.

The majority of Florida received at least a half-inch of rain. Maximum temperatures ranged from the upper 60s to the 80s. The lowest temperatures in the state ranged from 28 to 50°F. Cloudy, wet, and cold weather hampered fieldwork and crop growth. Small grains need sunshine to improve growth. Sugarcane harvest is entering the last 6 weeks of the harvest season. Strawberries were still being harvested in Bradford County. Harvesting of cabbage continued in Flagler and Putnam Counties. Also in Flagler and Putnam Counties, planting of potatoes continued but was behind schedule. Harvesting of green beans, tomatoes, squash, peppers, eggplant, sweet corn, Chinese vegetables, and bonito (Cuban sweet potatoes) began in Miami-Dade County. Vegetables and fruits marketed included beets, cabbage, cucumbers, eggplant, kale, lettuce, peppers, radishes, sweet corn, snap beans, tomatoes, herbs, and a variety of specialty items. Rain was widespread but generally light in the citrus area. Okeechobee (Okeechobee County) recorded the most precipitation with 1.42 inches. Balm (Hillsborough County) recorded the least with 0.12 inch. Daytime temperatures reached the 60s and 70s in most of the citrus-growing area on several days. The U.S. Drought Monitor, updated February 11, 2014, indicated that abnormally dry conditions have retreated to cover only a small portion of the northern and Indian River areas. Field workers reported small sizes on all varieties. Some growers are noticing various orange sizes in the same blocks, from slightly larger than golf ball size to larger than baseball size. Grove activity included harvesting of mostly early oranges and grapefruit, hedging and topping after harvest, care for new trees, and pulling out declining or dead trees. Growers in the Indian River area were experimenting with tenting young trees to eradicate or control the psyllid population that is causing greening. Fifteen of nineteen processing plants were open this season. Almost all packinghouses had opened and were shipping fruit. Cold weather in the Panhandle again challenged livestock and slowed winter pasture growth. Rain in South Florida helped raise pond levels. Cattle condition was good but the pasture condition was mostly fair. Cattlemen were feeding hay across the state.

International Weather and Crop Summary

February 9-15, 2014

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

HIGHLIGHTS

EUROPE: Stormy weather persisted across western and southern Europe, while warmer conditions in eastern crop areas melted the region’s protective snowpack.

WESTERN FSU: Unseasonable warmth melted much of the area’s protective snow cover but minimized the risk for winterkill.

MIDDLE EAST: Drier weather returned to southern portions of the region, while showers improved soil moisture reserves for Turkish winter grains.

NORTHWEST AFRICA: Showers maintained abundant to locally excessive soil moisture for vegetative winter grains.

SOUTHEAST ASIA: Heavy showers subsided in Java, Indonesia, benefiting reproductive to ripening rice.

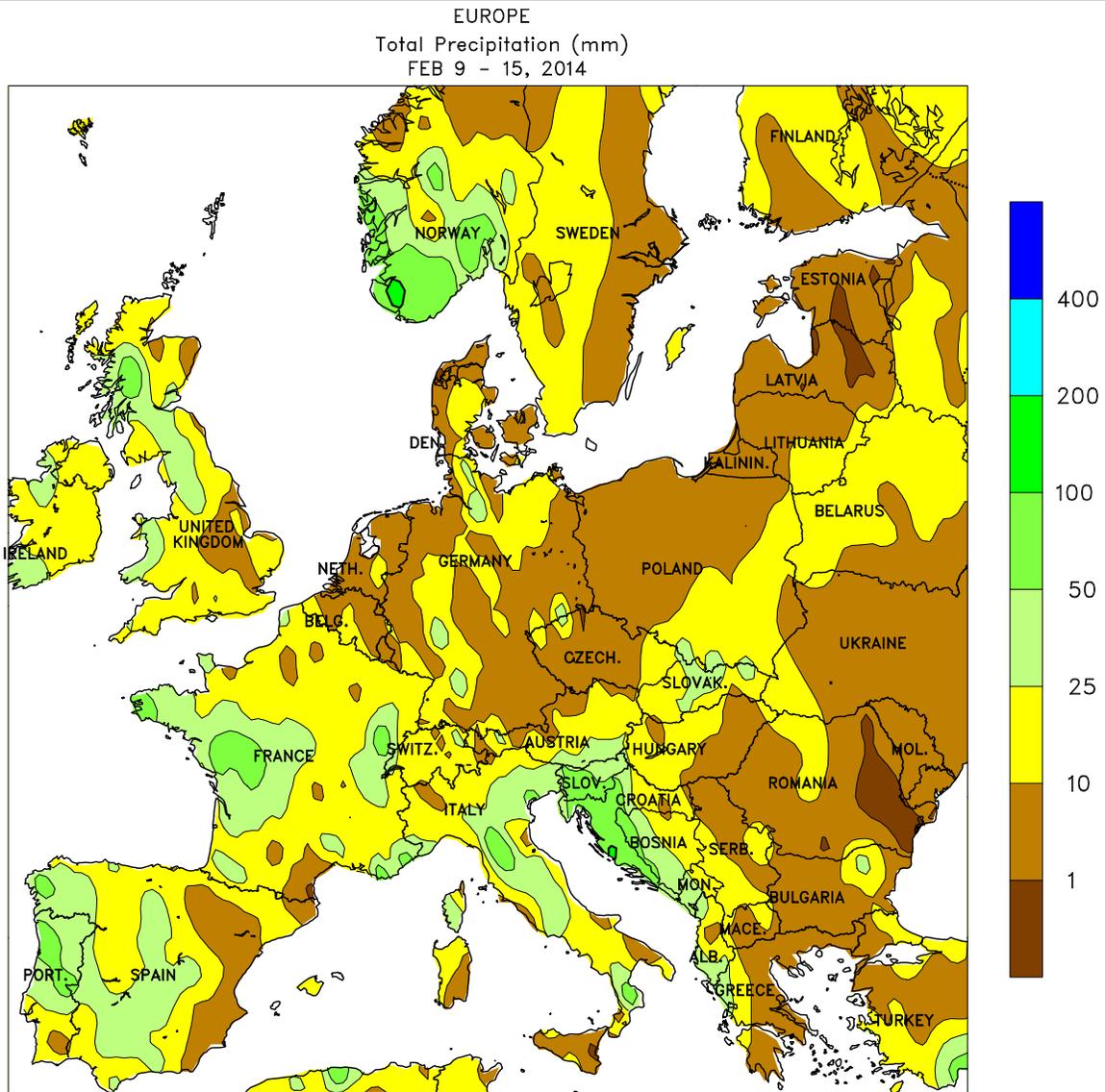
AUSTRALIA: Hot, mostly dry weather persisted, hastening summer crop maturation and further reducing yield potential.

SOUTH AFRICA: Warmth and dryness spurred development of corn and other rain-fed summer crops.

ARGENTINA: Showers expanded into previously dry summer crop areas of central and northern Argentina.

BRAZIL: Much-needed rain ended a period of stressful heat in the south.





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

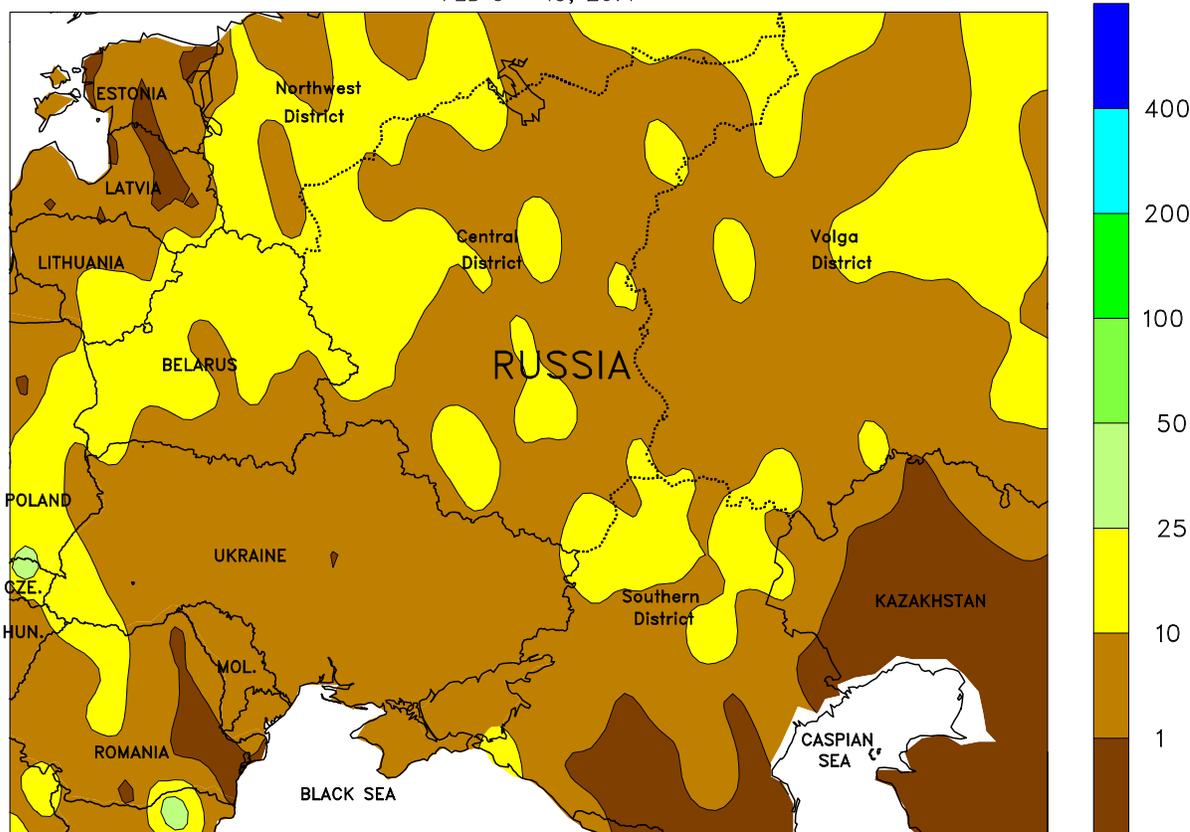


EUROPE

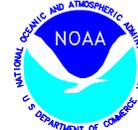
Stormy weather continued in western and southern Europe, while warmer-than-normal conditions expanded over eastern growing areas. A series of potent Atlantic storms continued to batter western Europe with moderate to heavy rain and strong, gusty winds. Rainfall totaled 10 to locally more than 50 mm from Ireland and the western United Kingdom southward into France and the Iberian Peninsula. Consequently, soil moisture reserves were adequate to abundant for dormant winter crops in France and the United Kingdom, while prospects for vegetative wheat and barley in Spain remained good to excellent. However, the rainy weather continued to hamper seasonal fieldwork —

including cotton planting and citrus harvesting — in southern crop areas. In addition, flooding was reported in low-lying areas, causing some damage to infrastructure. Meanwhile, another slow-moving Mediterranean storm system generated heavy rain and mountain snow (25-100 mm liquid equivalent, locally more) in Italy, sustaining abundant to excessive soil moisture for winter wheat while boosting mountain snowpacks and reservoir levels for irrigated summer crops. Somewhat lighter rainfall (2-25 mm) was reported across Germany, Poland, and the Balkans, which coupled with temperatures up to 9°C above normal melted much of the region’s protective snow cover.

WESTERN FSU
Total Precipitation (mm)
FEB 9 - 15, 2014



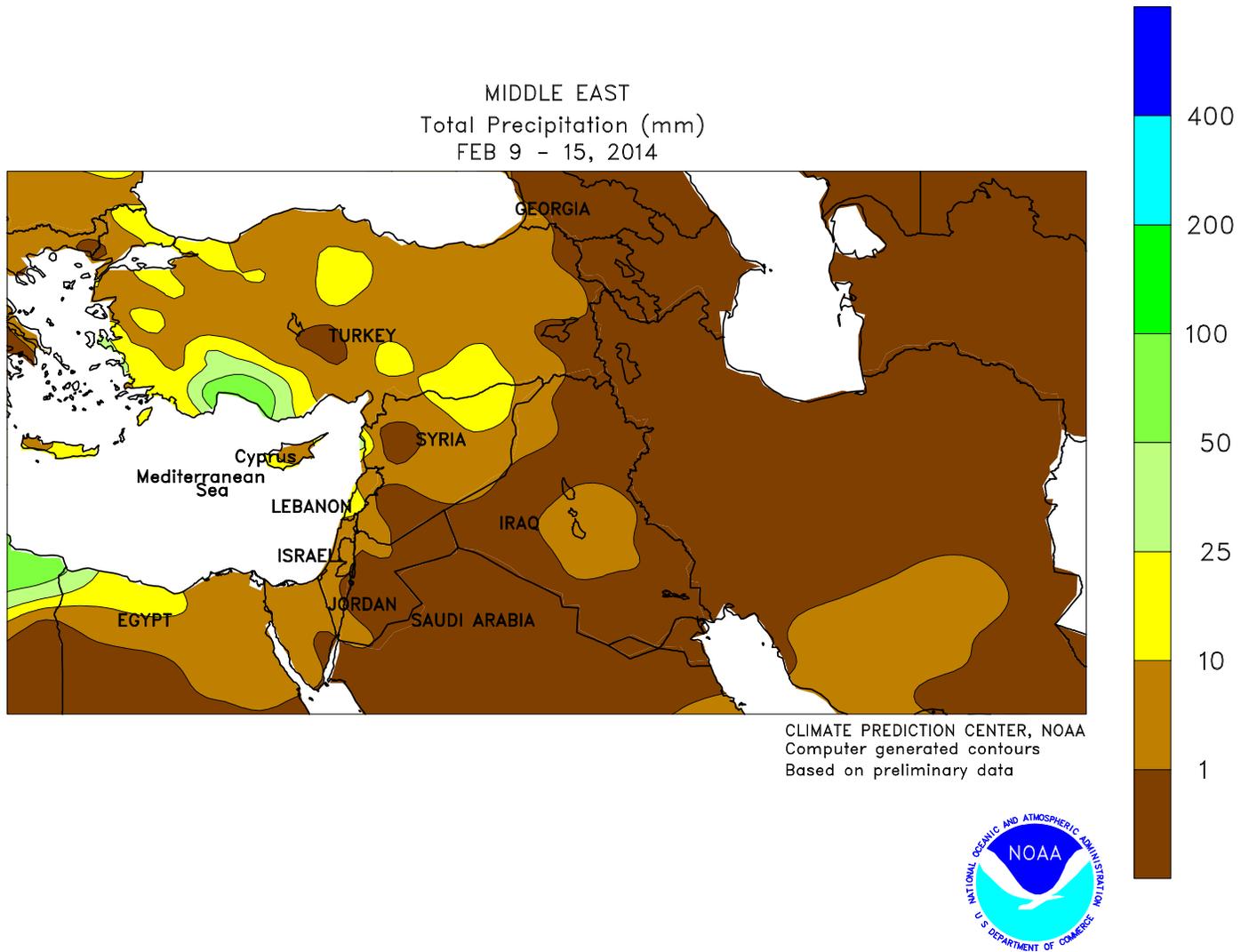
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



WESTERN FSU

Unseasonable warmth expanded across the region, with dry weather in the south contrasting with rain and snow in the north. After January's bitter cold, temperatures averaging 5 to 8°C above normal in Ukraine and southern Russia melted much of the area's snow cover. However, daytime temperatures approached or exceeded 10°C,

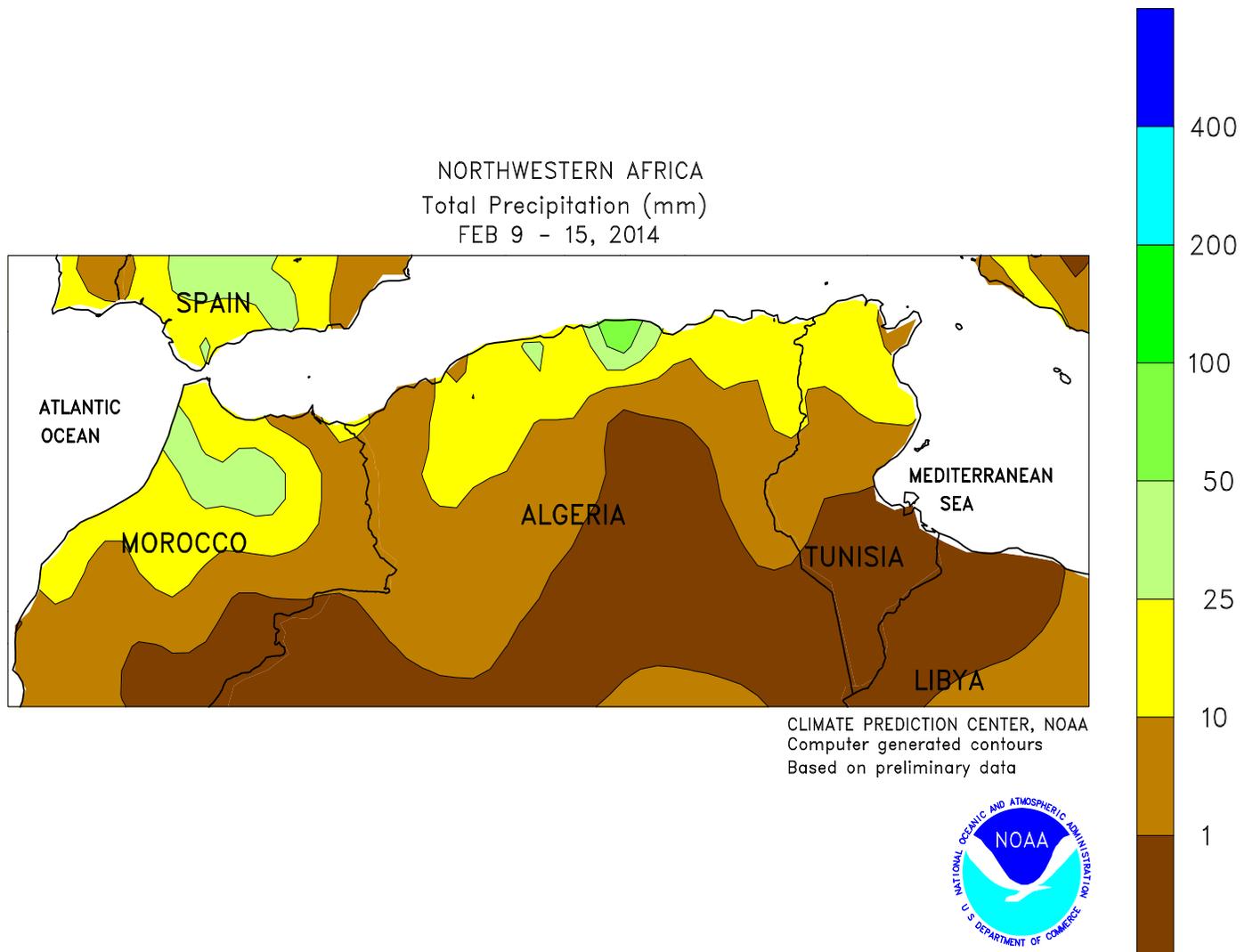
minimizing the risk of winterkill for dormant winter wheat, barley, and rapeseed. Farther north, rain and snow (2-15 mm liquid equivalent) from Belarus into central and northern Russia maintained favorable moisture reserves for winter wheat and rye, with snow depths averaging 2 to 20 cm.



MIDDLE EAST

Drier weather returned to the southern and eastern growing areas, while showers improved moisture reserves for winter wheat in Turkey. Following a very wet January, sunny skies across Iraq and Iran promoted crop development, especially in southern irrigated winter grain districts. Winter wheat and barley prospects remained good to excellent over much of Iraq and Iran, with abundant season-to-date precipitation maintaining favorable soil moisture and boosting mountains

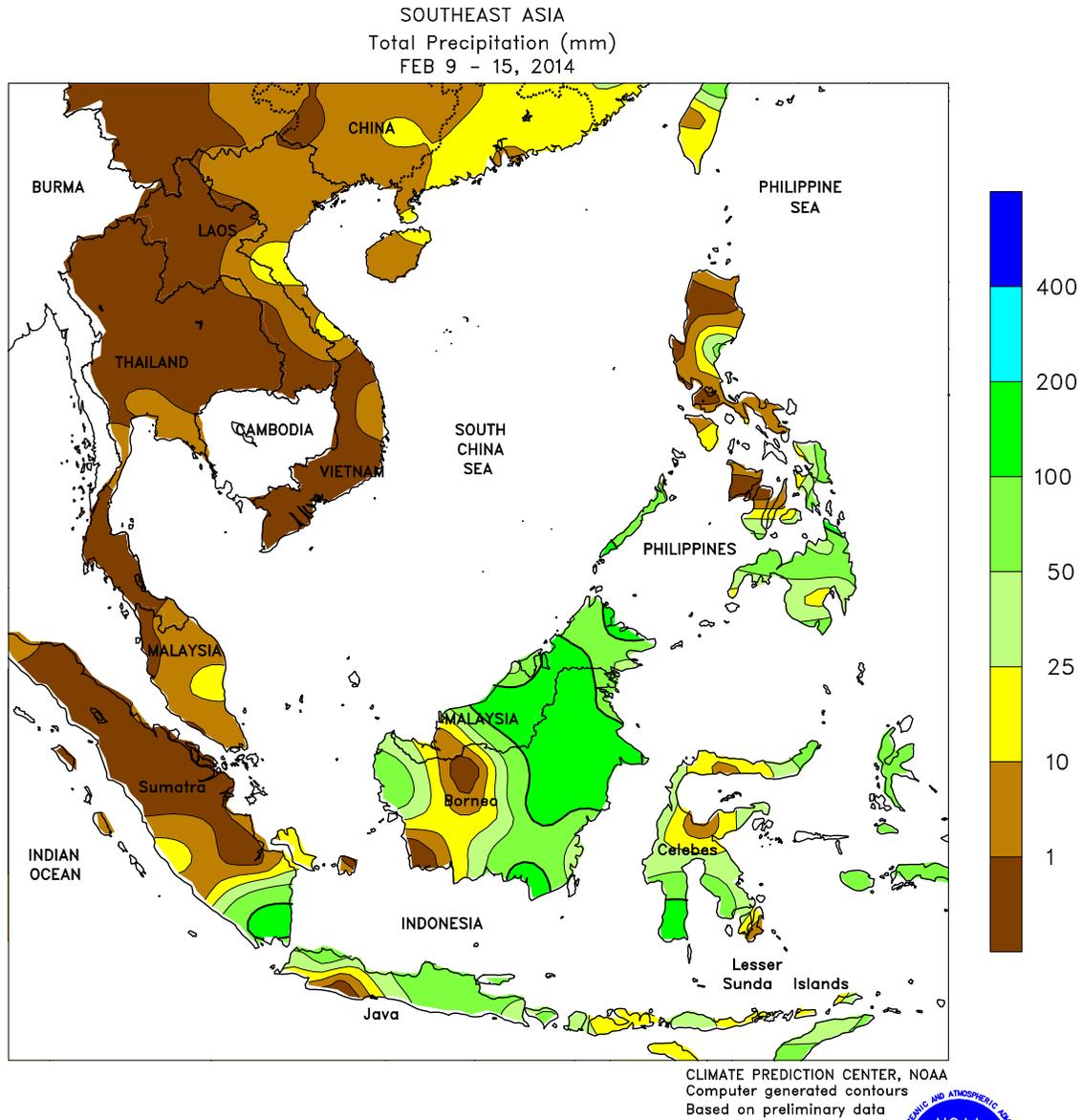
snowpacks for spring runoff. Meanwhile, light to moderate showers in Turkey (2-20 mm, locally more in the south) improved moisture reserves for dormant winter wheat, although significant long-term deficits (locally less than 25 percent of normal over the past 90 days) lingered over central and western portions of the country. Temperatures for the week averaged up to 8°C above normal, minimizing the risk of winterkill despite a lack of snow cover.



NORTHWESTERN AFRICA

Mild, showery weather sustained favorable conditions for vegetative winter wheat and barley. Additional light to moderate showers (10-35 mm) from northern Morocco into Tunisia maintained abundant to locally excessive soil moisture

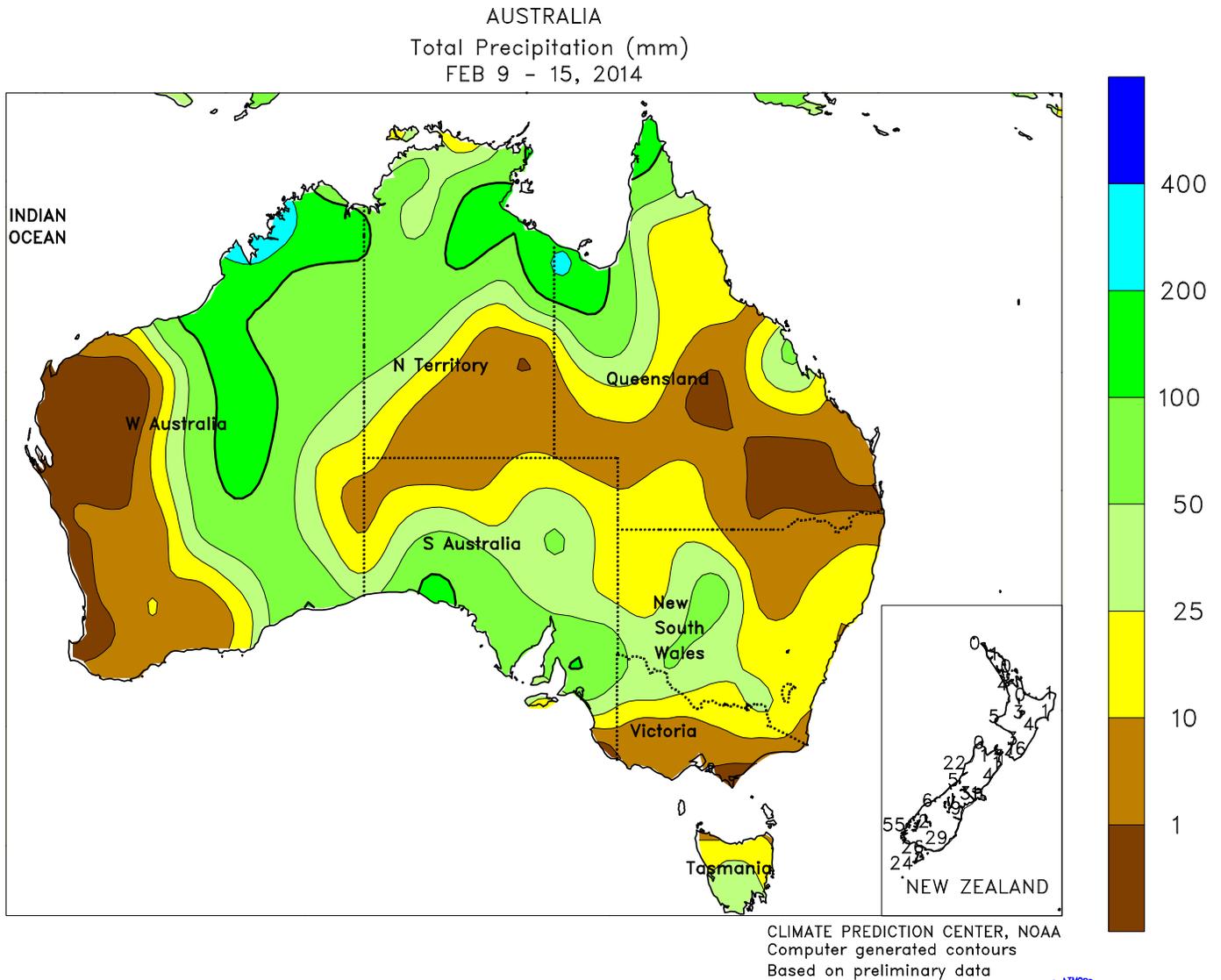
for winter grains. Low-lying fields are likely still dealing with water-logged soils, particularly in northern Morocco and northeastern Algeria, though overall prospects for the region's rain-fed wheat and barley remained good to excellent.



SOUTHEAST ASIA

Heavy showers abated in western Java, Indonesia, after being inundated for over six weeks. Seasonal (since August 1) rainfall totals have surpassed 1,700 mm and were approaching 2,000 mm in some areas, but somewhat drier weather this past week helped ease excessive wetness and benefited reproductive to ripening rice. In neighboring oil palm areas, mostly dry weather prevailed

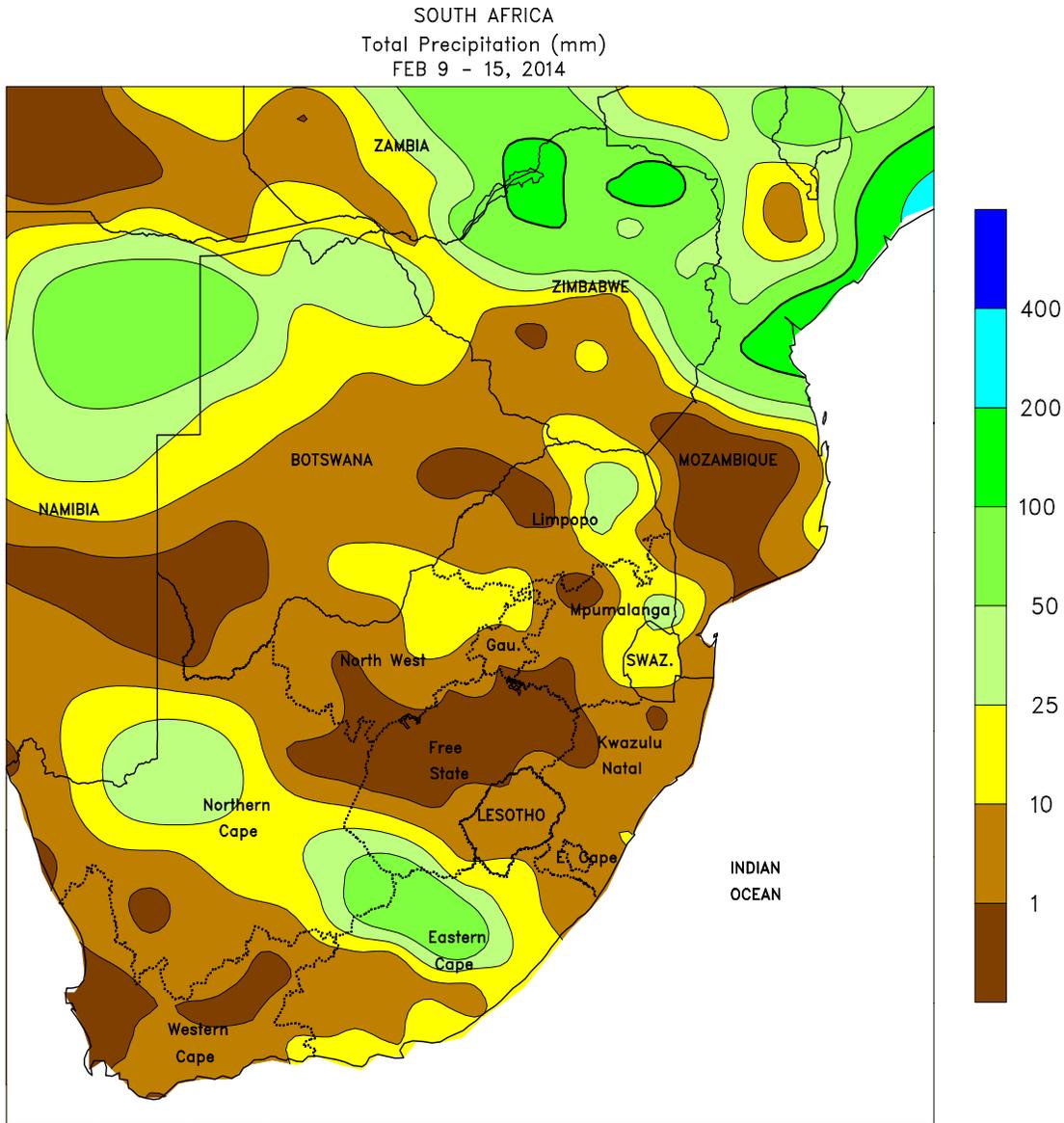
(particularly in Indonesia), supporting fieldwork but reducing soil moisture during what is typically the rainy season. Rainfall was more prevalent in Malaysia, where upwards of 150 mm benefited oil palm in Sarawak and Sabah. Meanwhile, rainfall in the Philippines was widespread in eastern and southern growing areas, with 50 to 100 mm benefiting corn and rice.



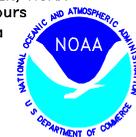
AUSTRALIA

Hot, mostly dry weather continued in major cotton and sorghum producing areas of southern Queensland and northern New South Wales. Several weeks of persistent heat and dryness has hastened summer crop development, causing drought-stressed crops to more rapidly mature while further reducing the yield potential of immature

cotton and sorghum. Soaking rains are needed to help stem the dryness, but any rain would likely be too late to significantly improve yield prospects for summer crops. Temperatures averaged about 1°C above normal, with maximum temperatures generally in the middle to upper 30s degrees C.



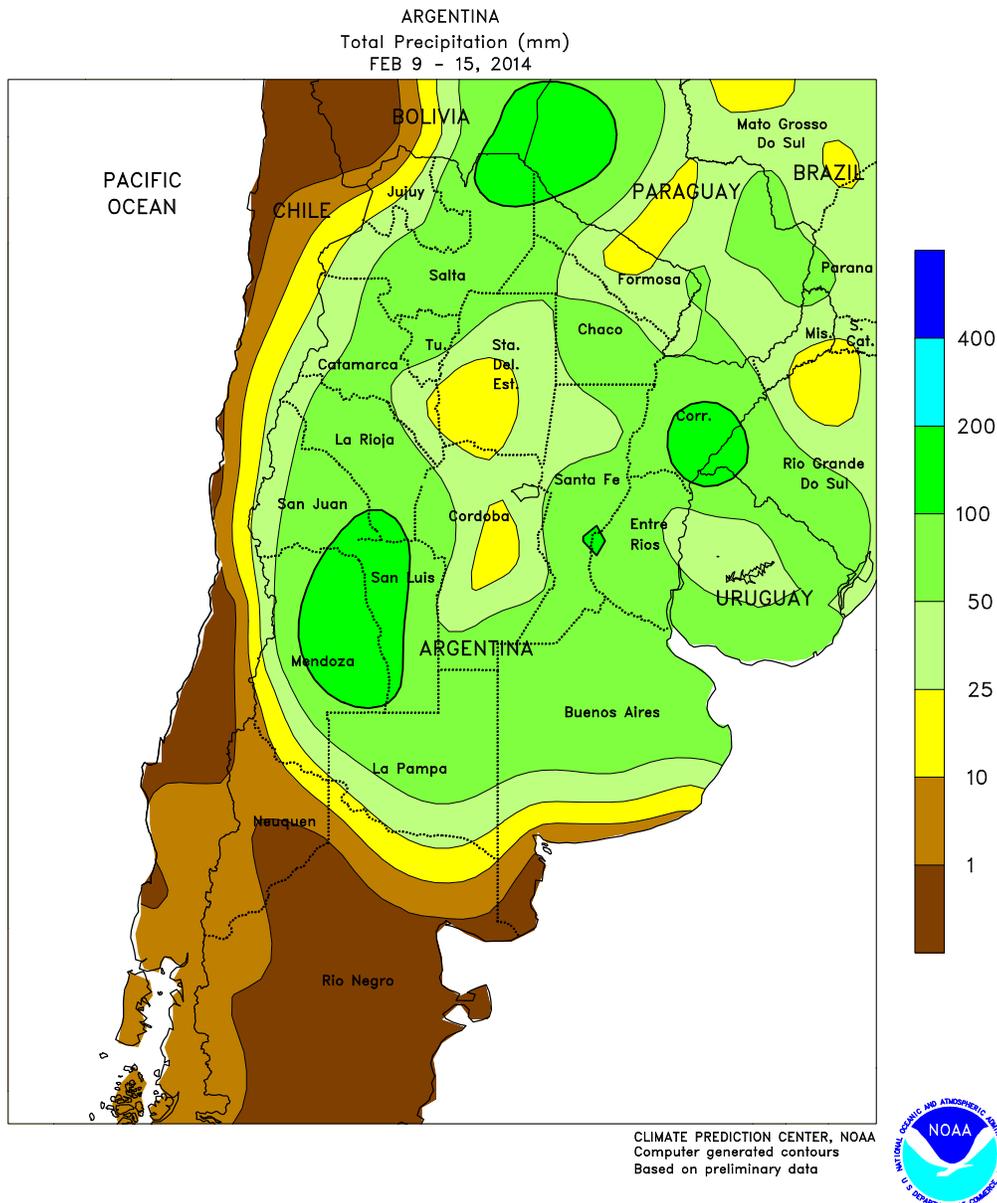
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Computer generated contours
Based on preliminary data



SOUTH AFRICA

Following several weeks of beneficial rain, drier, generally warm weather dominated the corn belt, spurring growth of reproductive to filling crops. Most of the region recorded little to no rain, with amounts of 10 mm or more confined to eastern sections of North West. Weekly temperatures averaged 1 to 2°C above normal across the corn belt, with daytime highs reaching the middle 30s (degrees C) in the traditionally warmer western sections of North West and Limpopo. Warm, mostly dry weather also dominated rain-fed sugarcane areas of southern KwaZulu-Natal; similar conditions prevailed in northern KwaZulu-Natal but light

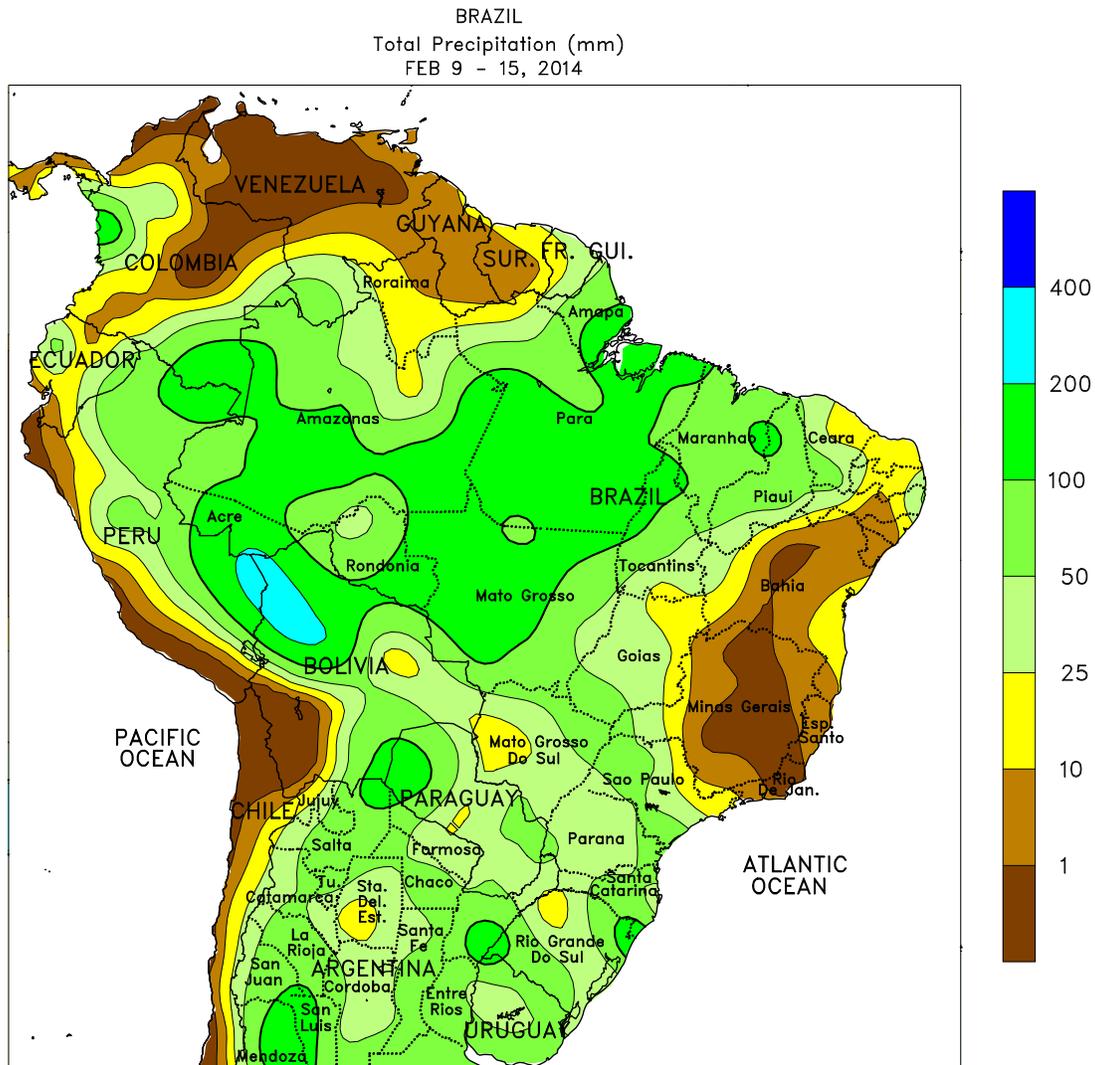
rain (greater than 25 mm at some locations) fell in irrigated sugarcane areas of eastern Mpumalanga. Elsewhere, unseasonably heavy showers (10-50 mm) increased moisture for corn, cotton, and other irrigated summer row crops in Northern and Eastern Cape Provinces, where above-normal temperatures (weekly temperatures averaging 1-3°C above normal, with daytime highs approaching 40°C in spots) maintained high moisture requirements for crops and livestock. Meanwhile, warm, mostly dry weather promoted rapid maturation and harvesting of tree and vine crops in Western Cape.



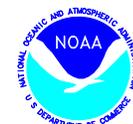
ARGENTINA

Wet weather continued across central Argentina, with rainfall gradually expanding into areas that had been drier than normal in recent weeks. Amounts totaled 25 to 75 mm throughout most major agricultural areas, the exceptions being central Cordoba and southernmost agricultural districts of Buenos Aires, which recorded less than 25 mm. The moisture was especially timely in La Pampa and southern sections of Buenos Aires, which have trended drier than normal for most of the season. In contrast, above-normal rainfall (greater than 50 mm) maintained localized flooding in the lower Rio Grande Valley (northern Buenos Aires and nearby locations in Santa Fe and Entre Rios), although amounts were lighter than last week. Weekly average temperatures were near to below normal throughout the region, with daytime highs falling into the middle 20s

(degrees C) at week's end after a somewhat warmer start to the week (daytime highs in the upper 20s and lower 30s). Showers also helped to lower temperatures to more seasonable levels across northern Argentina, with early-week heat (highs near 40°C) giving way to milder conditions (highs in the upper 20s and lower 30s) after the onset of the rain. Rainfall totaled more than 50 mm in the northwest (Salta and Tucuman) and the far east (Corrientes), but was variable and light (5-50 mm) elsewhere. According to Argentina's Ministry of Agriculture, sunflowers were 23 percent harvested, compared with 36 percent last year. Harvesting has generally been confined to northern production areas; fieldwork has not yet begun in Buenos Aires, Argentina's largest producer of sunseed.



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



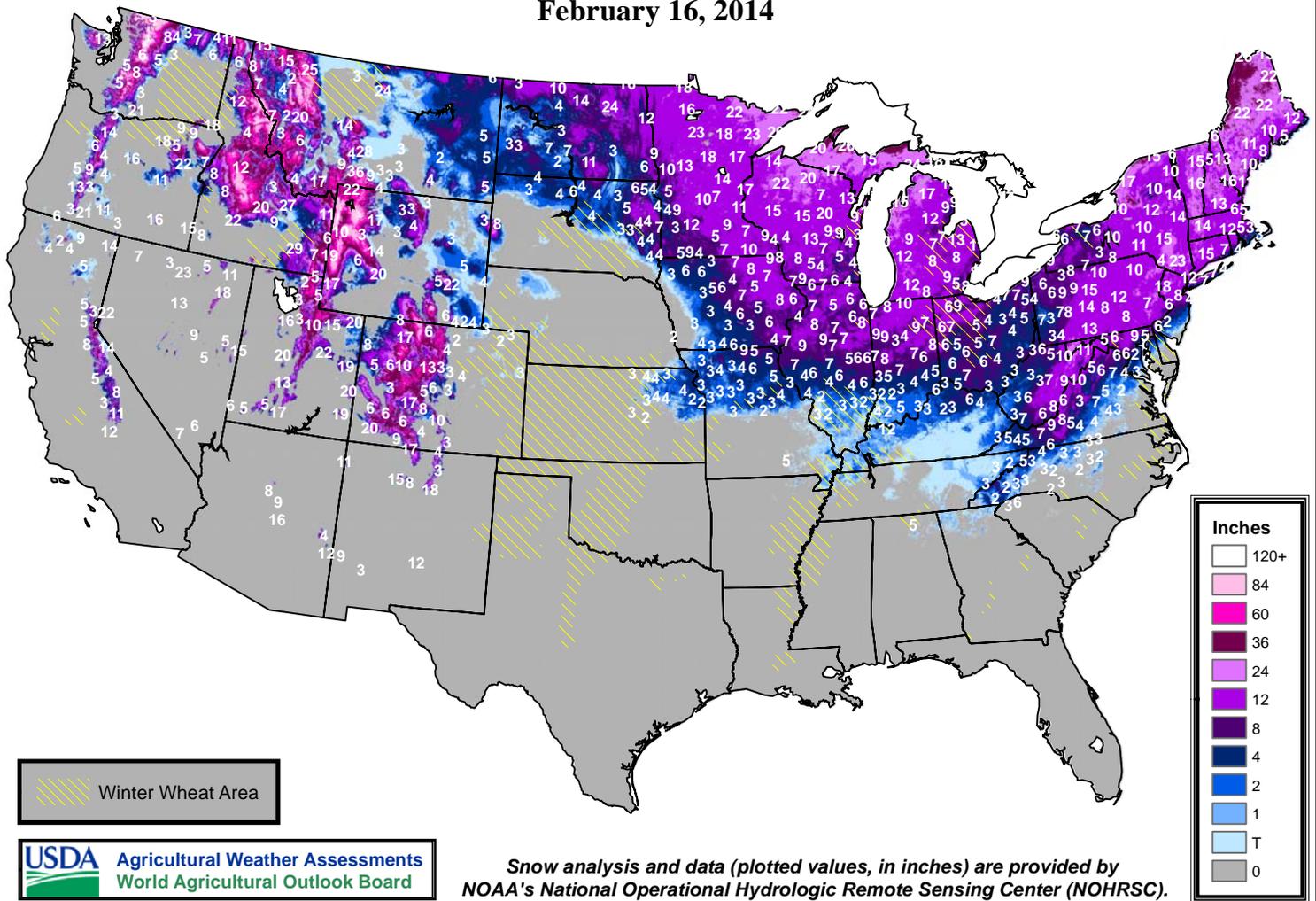
BRAZIL

Rain brought much-needed relief from heat and dryness to the south, helping to stabilize soybeans, corn, and other summer crops after a brief but significant period of stressful growing conditions. After several days of continued heat and dryness (daytime highs from 37 to 40°C), showers and milder weather finally developed from Rio Grande do Sul to Parana, with most areas recording more than 25 mm. Similar amounts were recorded from Mato Grosso do Sul and southern Mato Grosso to western Minas Gerais, areas which had also been drier than normal for more than 1 week; in fact, it was the first substantial rain in the sugarcane region of Sao Paulo since the middle part of January. In contrast, dry, unseasonably warm weather persisted in coffee areas of

southern Minas Gerais and Espirito Santo. Meanwhile, rainfall increased to more than 100 mm in sections of central Mato Grosso, boosting moisture for second-crop (safrinha) corn. As in the south, the rain ushered cooler weather into central and southeastern Brazil, although daytime highs prior to the showers were mostly in the middle 30s (degrees C) range. Rain also returned to the northeastern interior (notably Tocantins and western Bahia), although pockets of dryness (less than 25 mm) lingered in the vicinity of eastern Goias. Mild (daytime highs reaching the lower 30s) seasonably drier conditions (rainfall below 10 mm in most areas) fostered growth of irrigated sugarcane and cocoa along the northeastern coast.

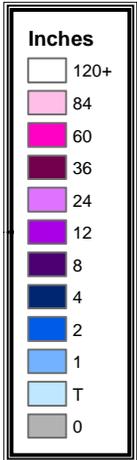
Snow Depth

February 16, 2014



USDA Agricultural Weather Assessments
World Agricultural Outlook Board

Snow analysis and data (plotted values, in inches) are provided by NOAA's National Operational Hydrologic Remote Sensing Center (NOHRSC).



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