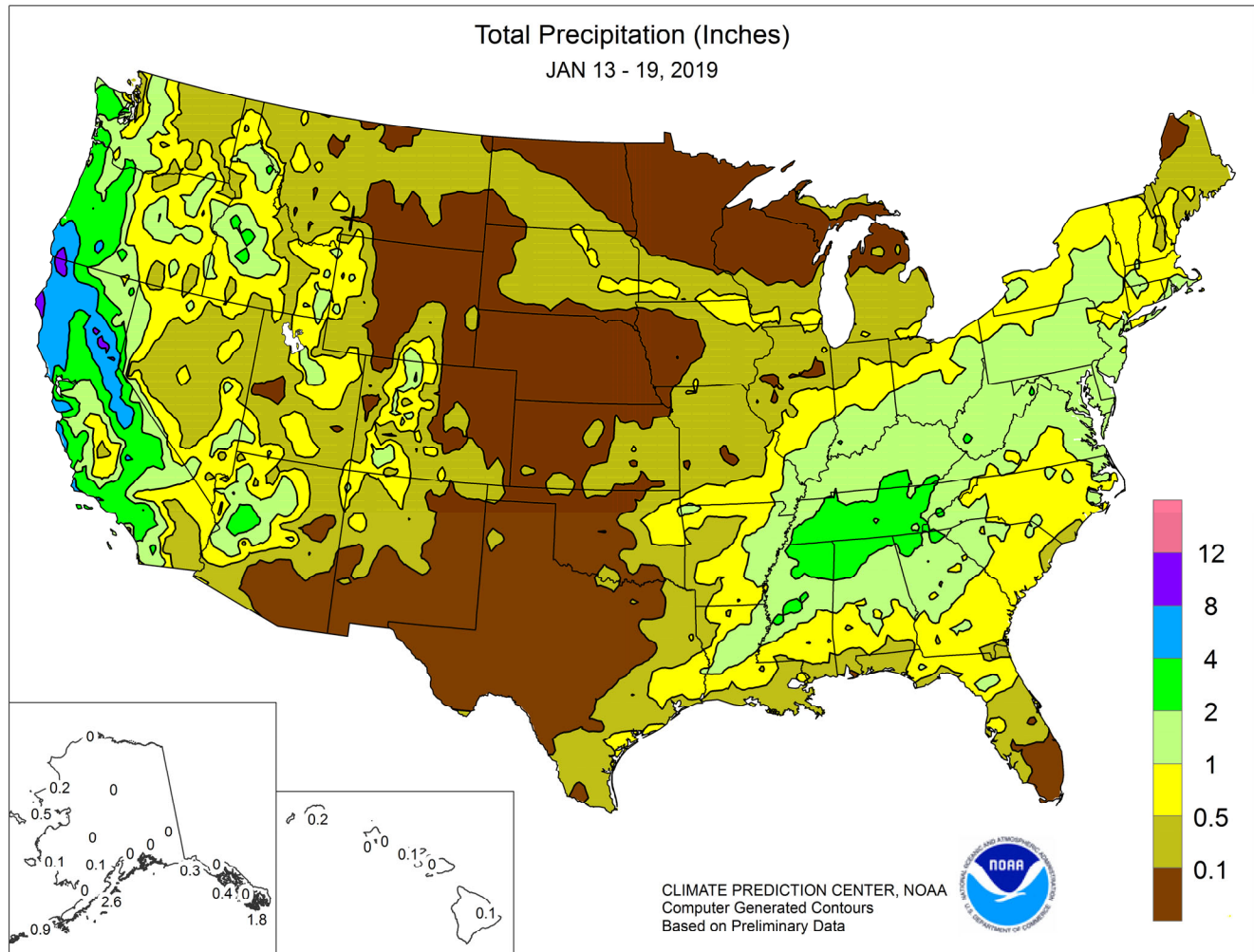


WEEKLY WEATHER AND CROP BULLETIN

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

January 13 – 19, 2019

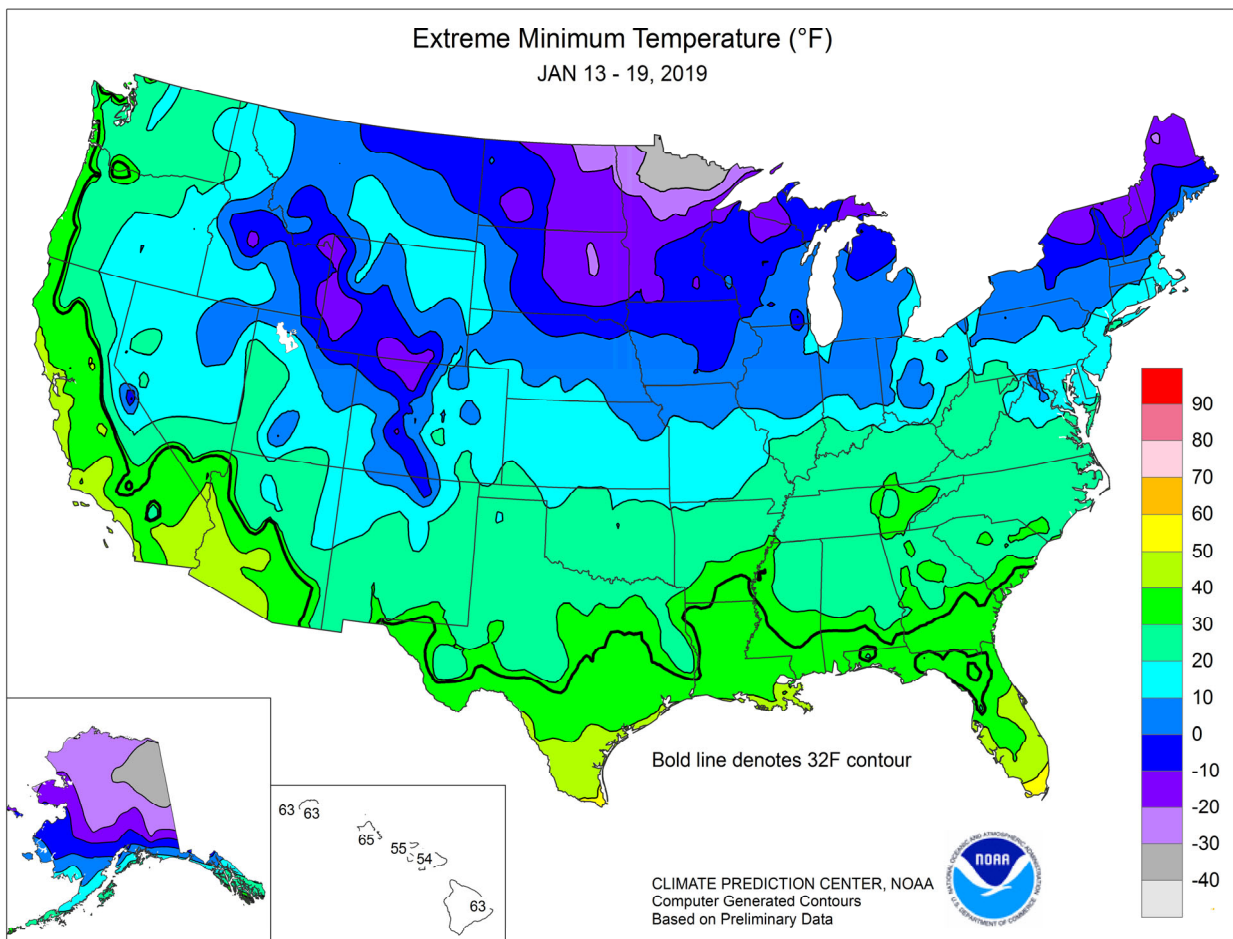
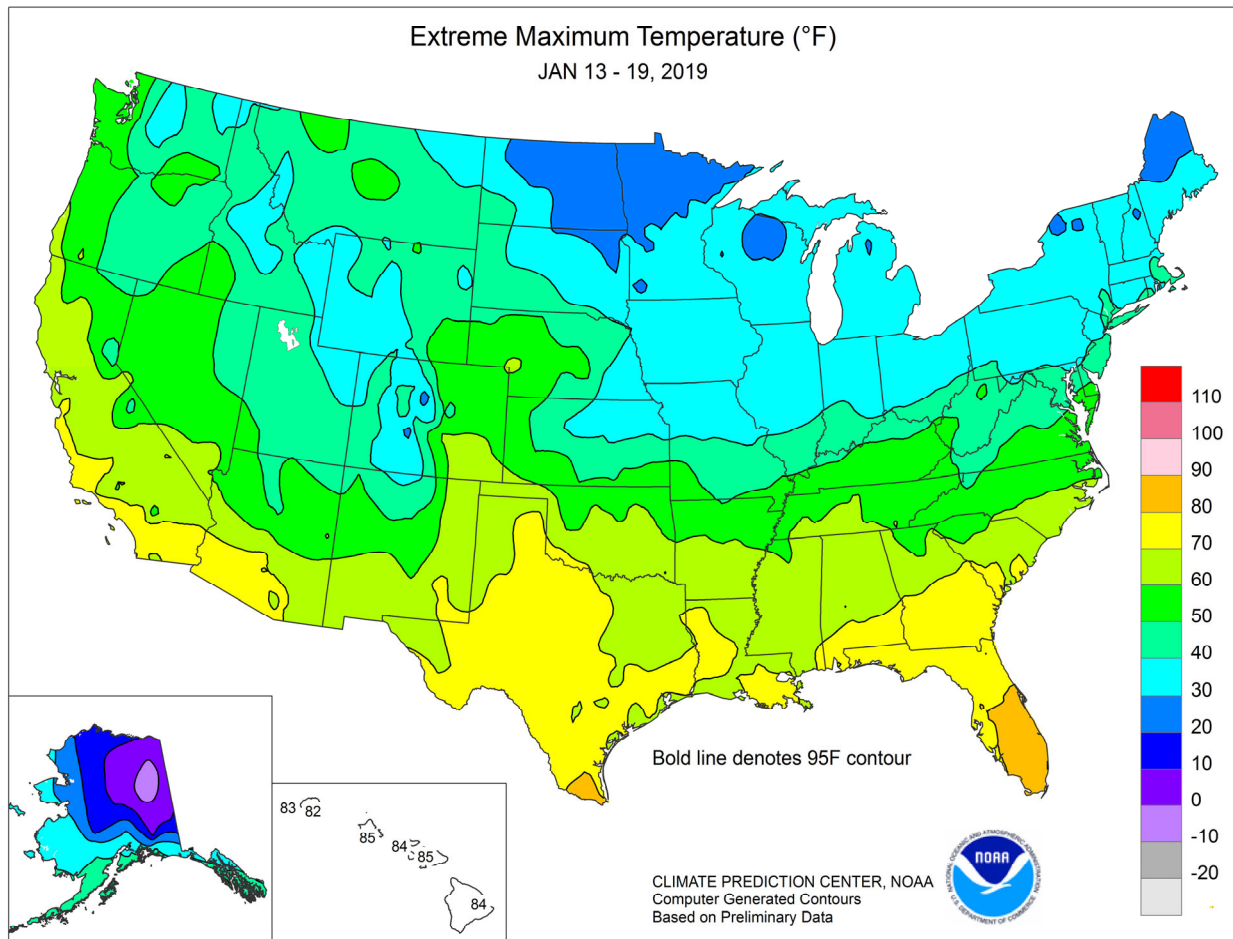
Highlights provided by USDA/WAOB

Hheavy snow lingered early in the week in the **Mid-Atlantic region**, followed by several days of dry weather. However, precipitation returned across the **eastern half of the U.S.** during the latter half of the week, resulting in another round of heavy snow. The most significant snow, starting on January 18, spread from the **northern and central Plains into the Northeast**. Meanwhile, late-week rain drenched portions of the **South and East**, particularly from the **northern Mississippi Delta to the middle Atlantic Coast**. Farther west, a series of powerful **Pacific**

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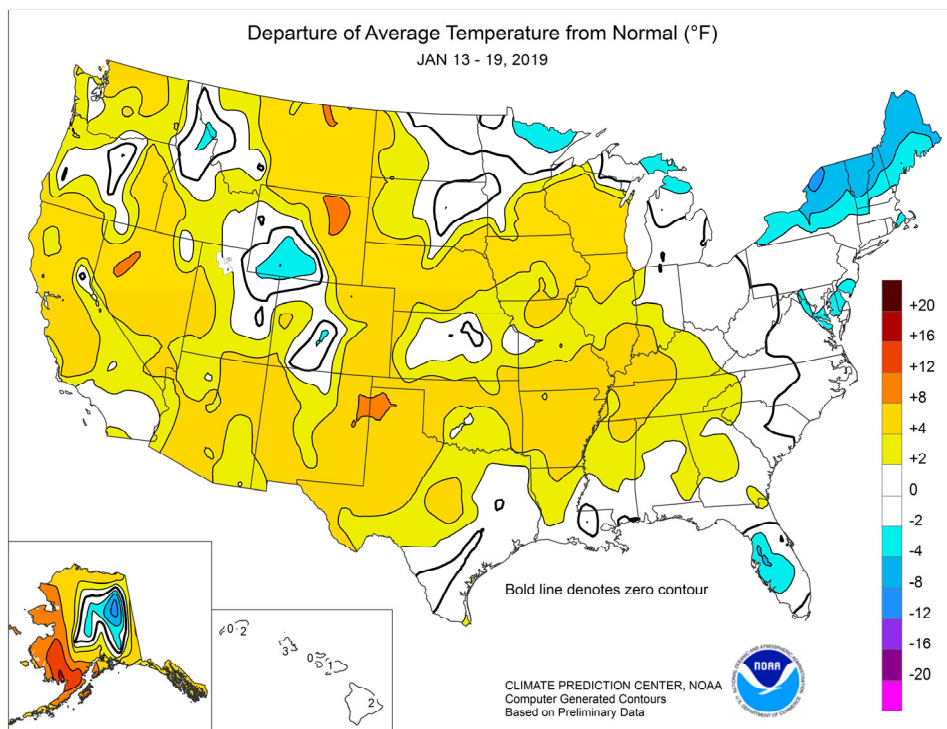
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(Continued from front cover)

storms moved inland. Precipitation, which primarily affected **California** and the **Desert Southwest** for several days, later expanded to cover most of the **western U.S.** The average water content of the high-elevation Sierra Nevada snowpack increased to 16 inches (111 percent of normal) by week's end, up from 7 inches (71 percent) at the beginning of January. General warmth accompanied the **Western** storminess, with weekly temperatures averaging at least 5°F above normal in parts of the **southern Great Basin** and the **Southwest**. In fact, near- or above-normal temperatures dominated the country, with notably colder-than-normal conditions limited to the **Northeast**.

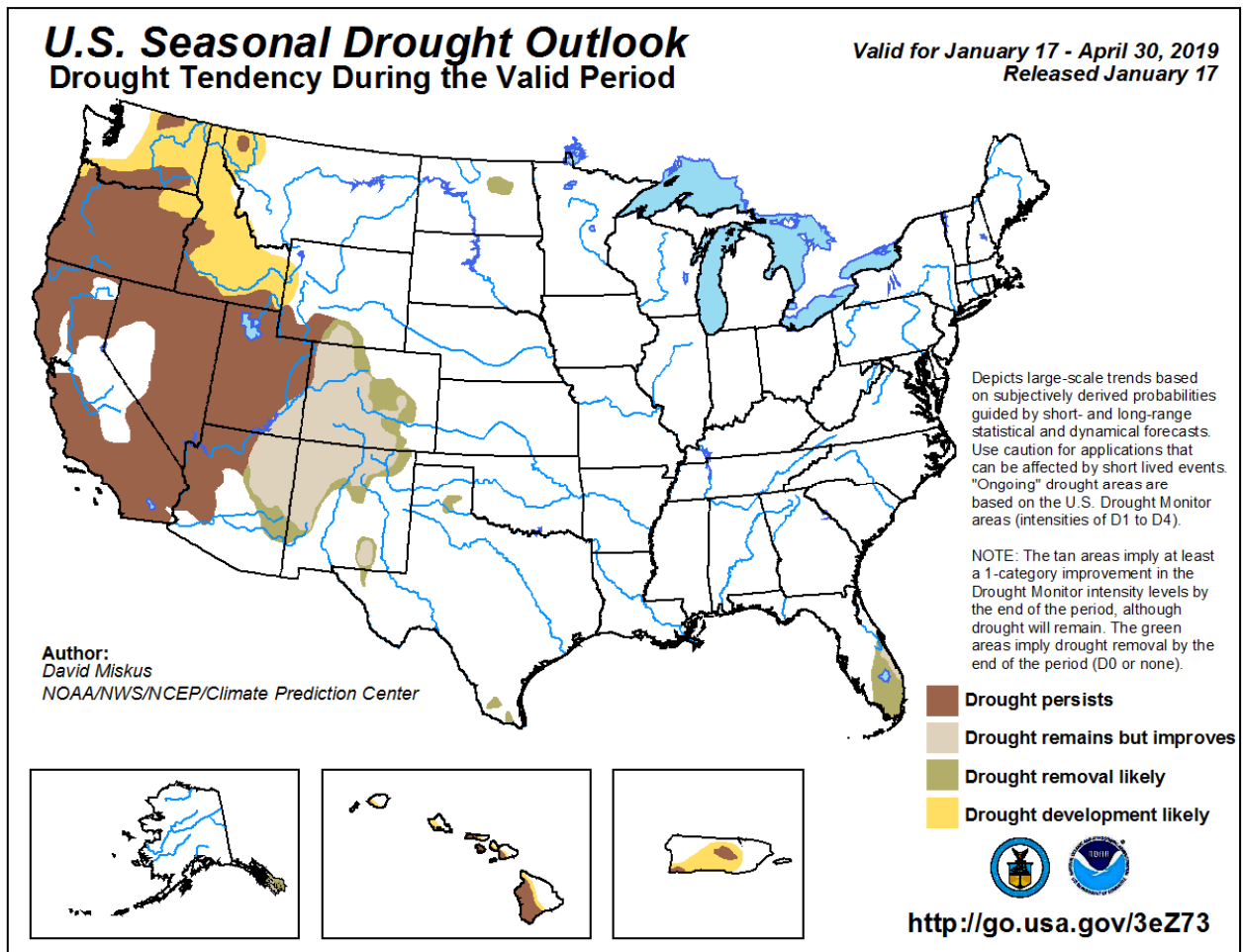
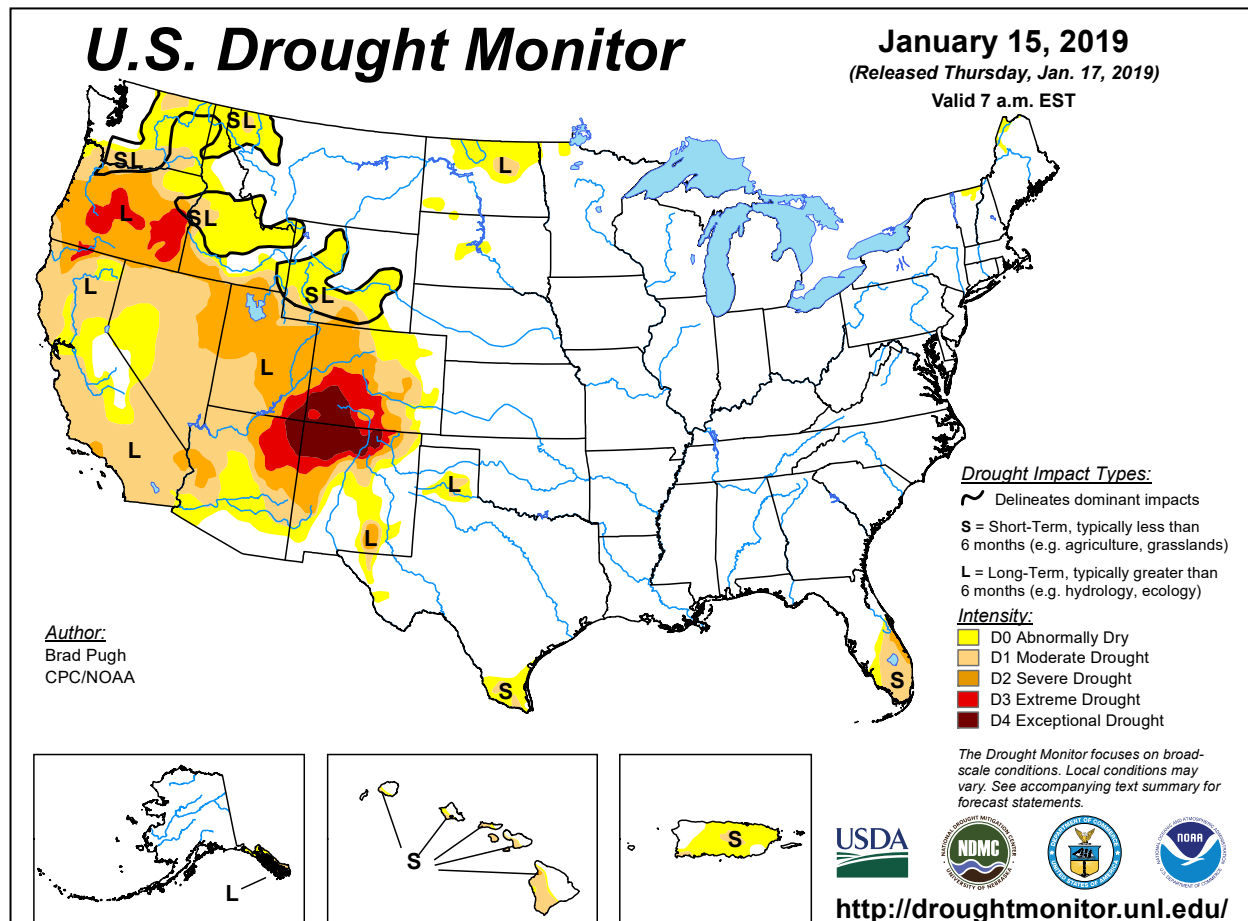
Snow persisted through January 13 in the **Mid-Atlantic region**, where storm-total snowfall climbed to 10.6 inches at **Virginia's Dulles Airport** and 10.2 inches in **Washington, DC**. The bulk of the snow, 7.7 and 8.3 inches, respectively, fell on the 13th. Lingering snow also fell in the **Ohio Valley**, where January the 12-13 total in **Cincinnati, OH**, reached 7.5 inches. By January 14, the focus for heavy precipitation turned to **southern California**, where record-setting rainfall totals reached 1.52 inches in **Burbank** and 1.30 inches in **Sandberg**. January 14-17 rainfall at those two locations totaled 3.13 and 3.80 inches, respectively. In the **Sierra Nevada** foothills, weekly precipitation in **Blue Canyon, CA**, totaled 7.56 inches. Farther inland, **Las Vegas, NV**, netted consecutive daily-record rainfall amounts (0.28 and 0.39 inch, respectively) on January 14-15. Other record-setting totals for January 15 included 0.86 inch in **Sacramento, CA**, and 0.82 inch in **Kingman, AZ**. **Sacramento** also measured a daily-record sum (1.41 inches) on January 16. Elsewhere in **California**, **Bishop** received a January 17 total of 1.49 inches—the highest daily sum in that location since December 19, 2010, when 3.32 inches fell. On January 17, daily-record totals included 0.76 inch in **Salt Lake City, UT**, and 0.30 inch in **Idaho Falls, ID**. **Alta, UT**, received 2.55 inches of precipitation and 19.0 inches of snow in a 24-hour period on January 17-18. By the 18th, heavy snow developed across the **north-central U.S.** In **South Dakota**, daily-record precipitation and snowfall totals for January 18 were broken in locations such as **Mitchell** (0.49 and 4.7 inches) and **Huron** (0.47 and 6.5 inches). Daily records for both precipitation and snowfall were also set on the 18th in **Rochester, MN** (0.55 and 8.1 inches). The following day, when precipitation spread across the **Great Lakes and Northeastern States**, record-setting snowfall totals for January 19 reached 7.8 inches in **Rochester, NY**, and 5.8 inches in **Detroit, MI**. **Rochester's** 2-day (January 19-20) snowfall totaled 16.0 inches. More details on this storm's **Northeastern** impacts will appear next week. Meanwhile, another round of

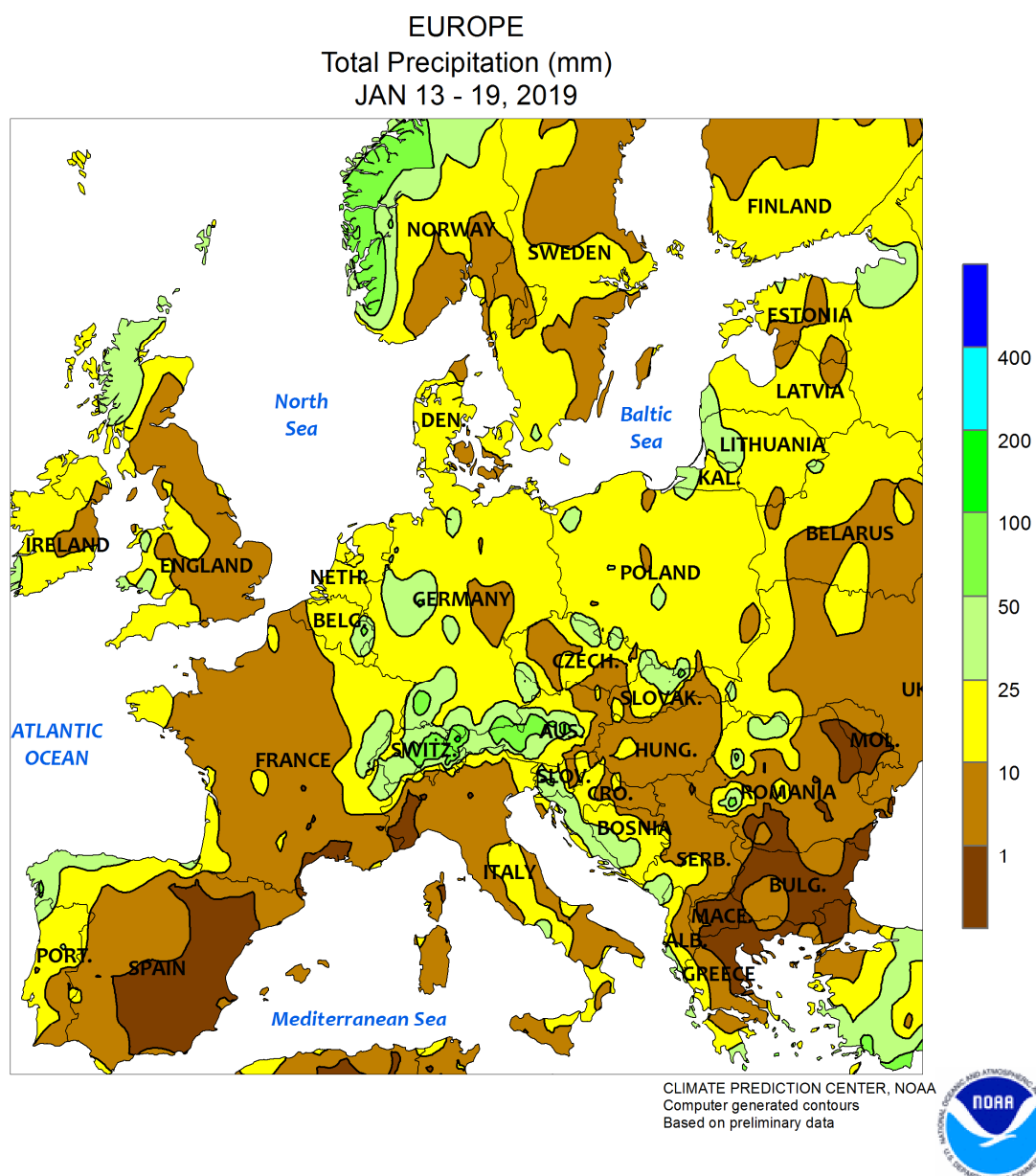


Western storminess led to record-setting rainfall totals for January 19 in **Crescent City, CA** (3.63 inches), and **Medford, OR** (1.58 inches).

Despite overarching warmth, few temperature records were set. On January 13, lingering warmth across **Florida's peninsula** led to a daily-record high of 84°F in **West Palm Beach**. Meanwhile, mild weather stretched from the **Pacific Northwest to the northern High Plains**. Record-setting high temperatures for the 13th included 58°F in **Cut Bank, MT**, and 57°F in **Hoquiam, WA**. In **Oregon**, **North Bend** posted a daily-record high of 63°F for January 14. In contrast, **Burlington, VT**, reported three consecutive days with a low of -6°F from January 19-21, a period during which snowfall totaled 18.6 inches. Farther west, **International Falls, MN**, closed with week with a low of -38°F (not a record for the date) on January 19. Elsewhere in **northern Minnesota**, a low of -46°F was reported early on January 20 in the community of **Cotton**.

Cold conditions persisted across parts of the **Alaskan mainland**, but mild weather developed across the southwestern part of the state. With a high of 40°F on January 14, **Bethel** experienced its warmest day since November 6. From January 12-17, **Kodiak** received rainfall totaling 2.95 inches. Meanwhile, the week began and ended with precipitation in **southeastern Alaska**. On January 13, **Ketchikan** reported a daily-record total of 3.95 inches. An additional 1.36 inches of rain fell in **Ketchikan** on January 18-19. Farther south, warm, mostly dry weather prevailed in **Hawaii**. On January 17, **Honolulu, Oahu**, notched a daily-record high of 85°F. At the state's major airport observation sites, month-to-date rainfall through January 19 ranged from 0.12 inch (7 percent of normal) in **Kahului, Maui**, to 0.56 inch (11 percent) at **Hilo**, on the **Big Island**.

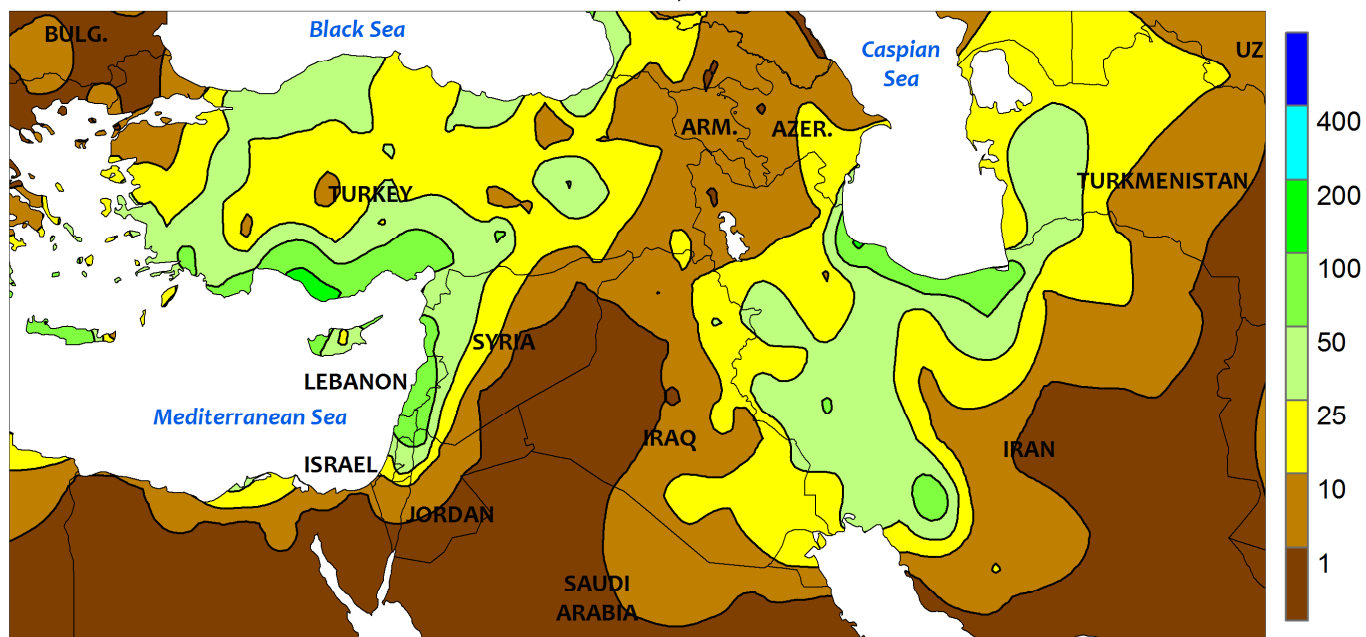




EUROPE

A summary of weather events occurring since December 16, 2018, will be published in *Weekly Weather and Crop Bulletin* Volume 106, No 6.

MIDDLE EAST
Total Precipitation (mm)
JAN 13 - 19, 2019



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



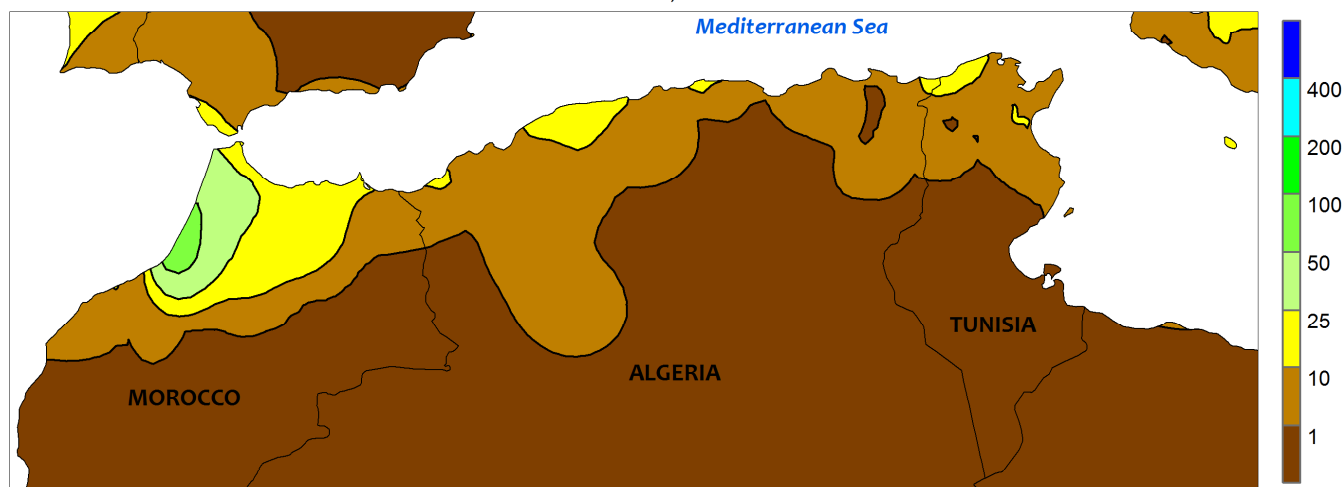
MIDDLE EAST

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NORTHWESTERN AFRICA

Total Precipitation (mm)

JAN 13 - 19, 2019



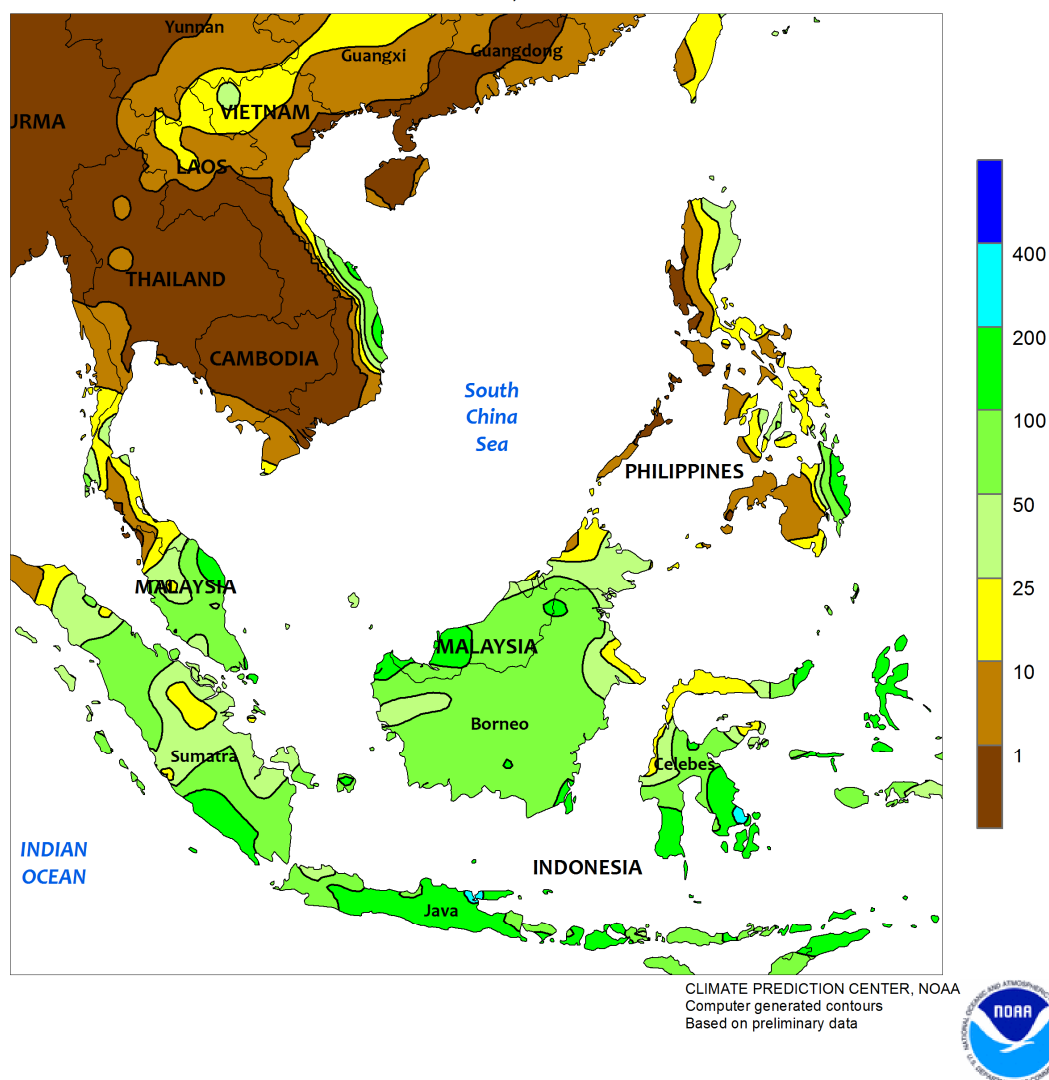
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NORTHWESTERN AFRICA

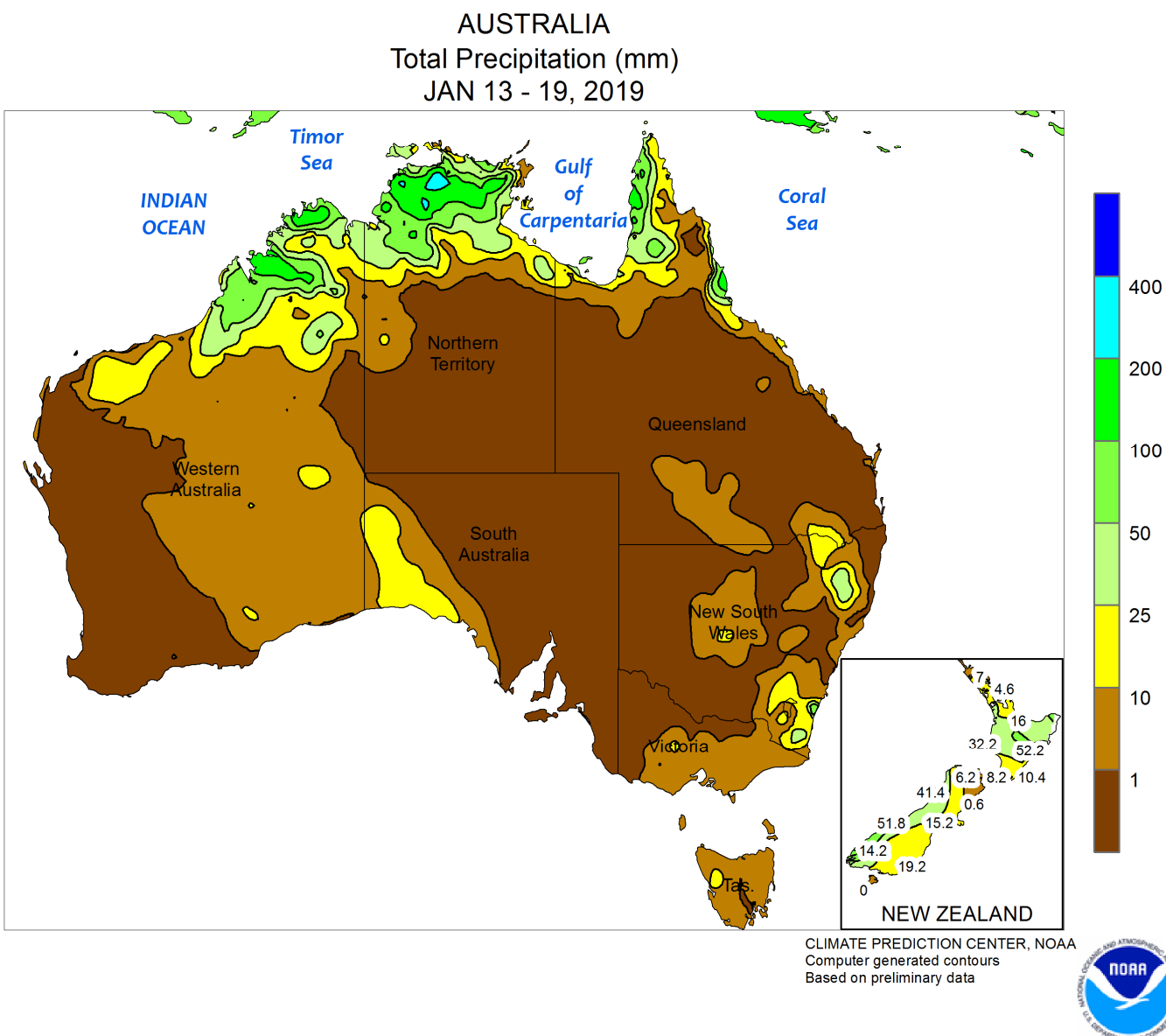
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SOUTHEAST ASIA
Total Precipitation (mm)
JAN 13 - 19, 2019



SOUTHEAST ASIA

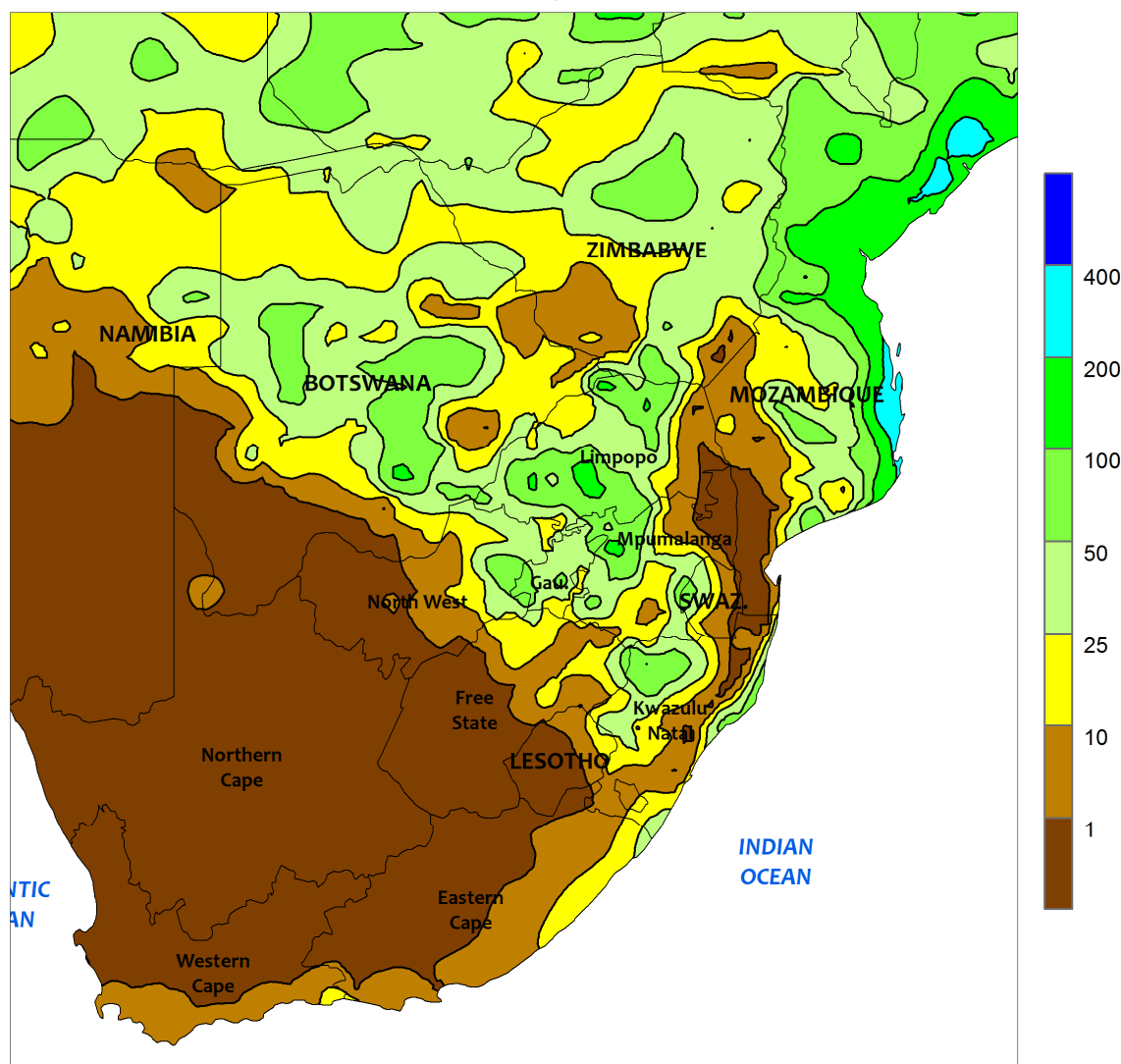
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AUSTRALIA

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SOUTH AFRICA
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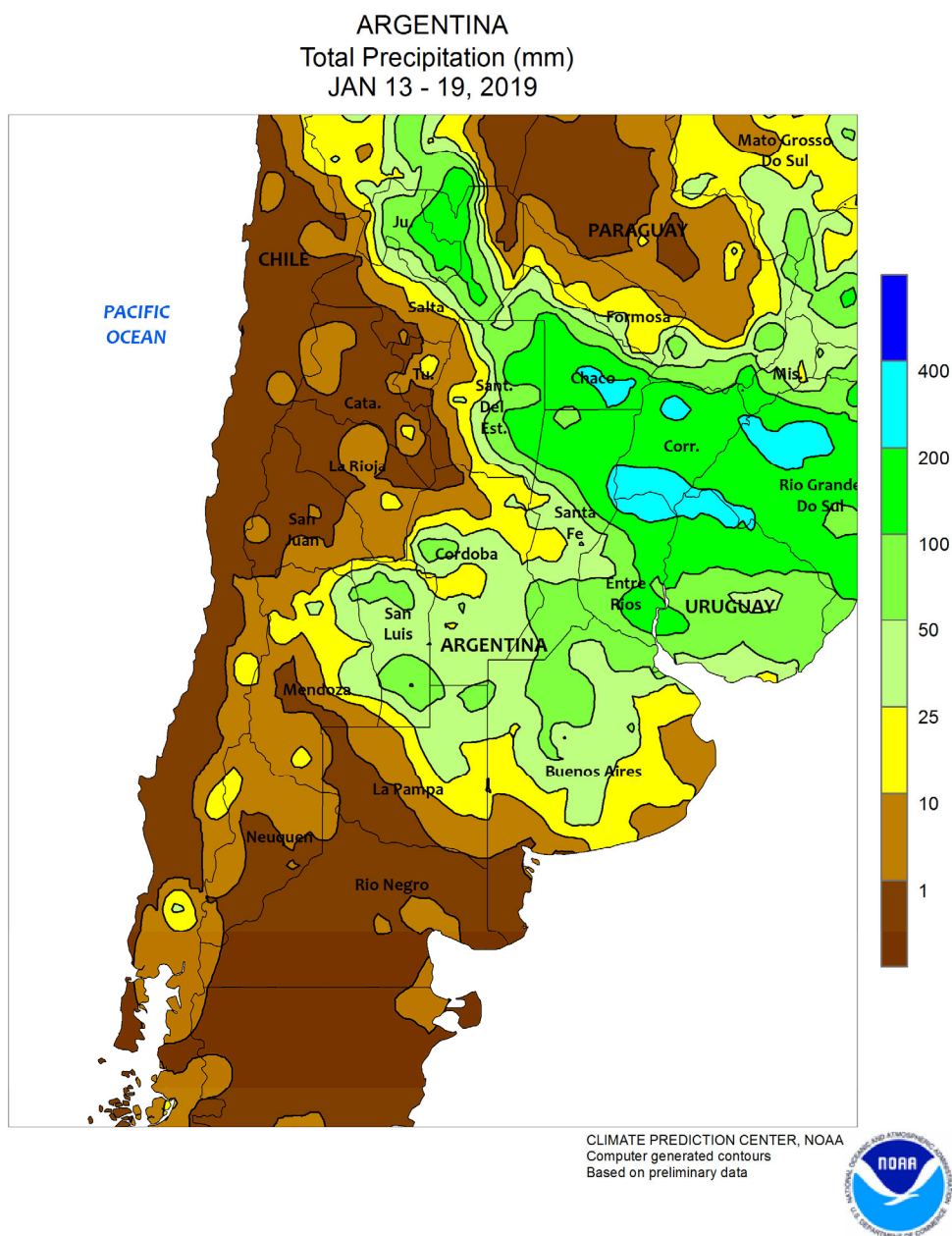


CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



SOUTH AFRICA

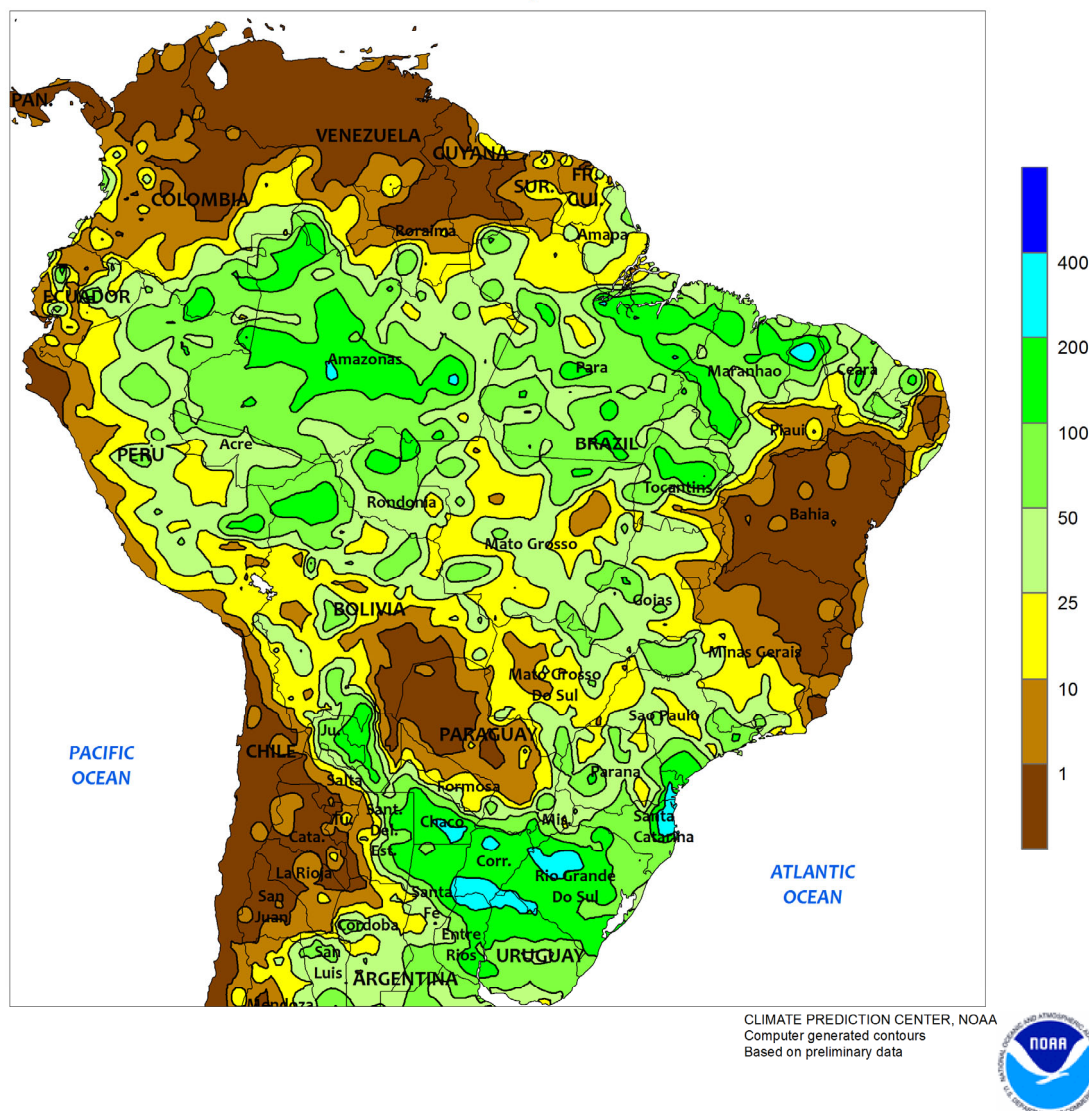
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ARGENTINA

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BRAZIL
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JAN 13 - 19, 2019

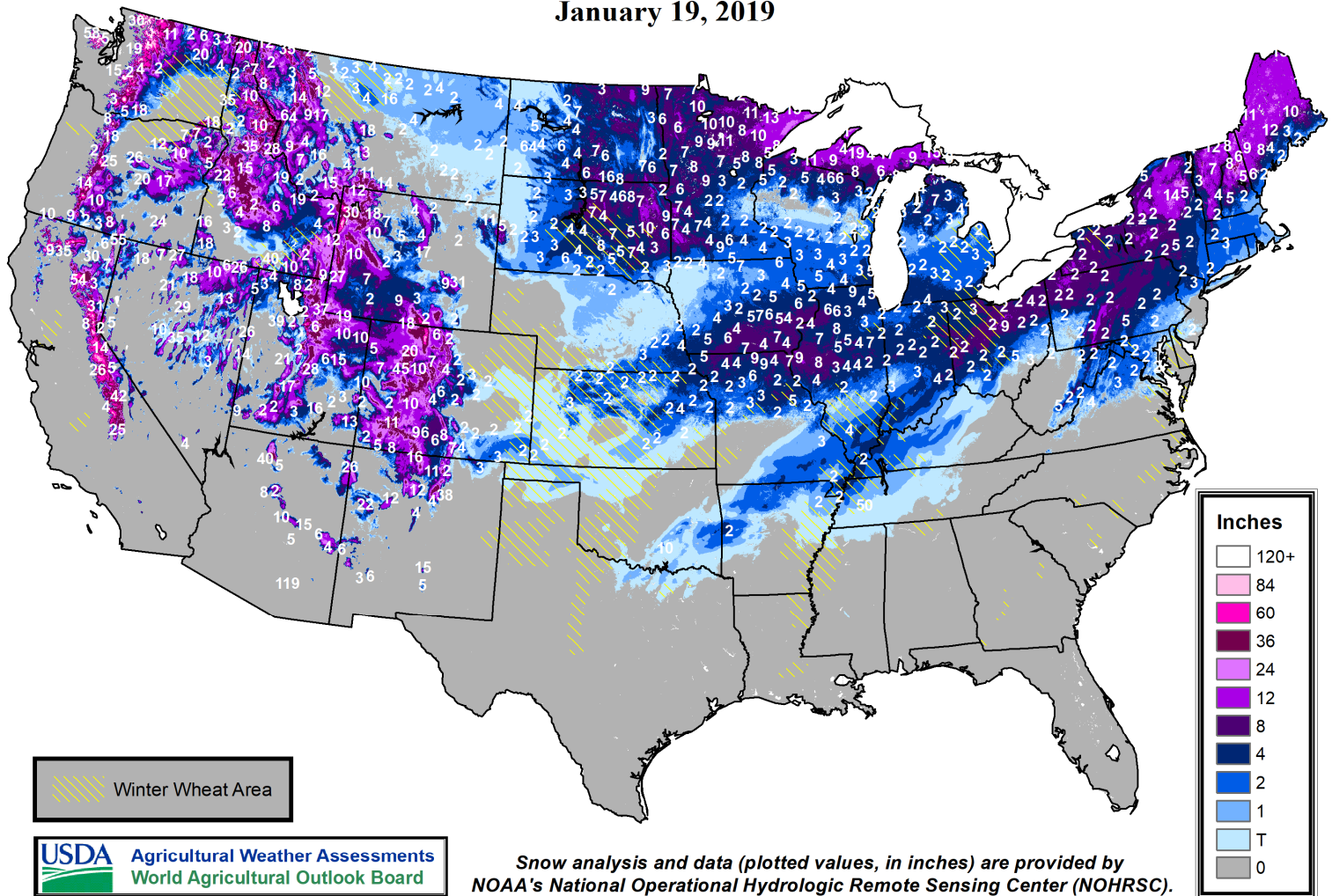


BRAZIL

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Snow Depth

January 19, 2019



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