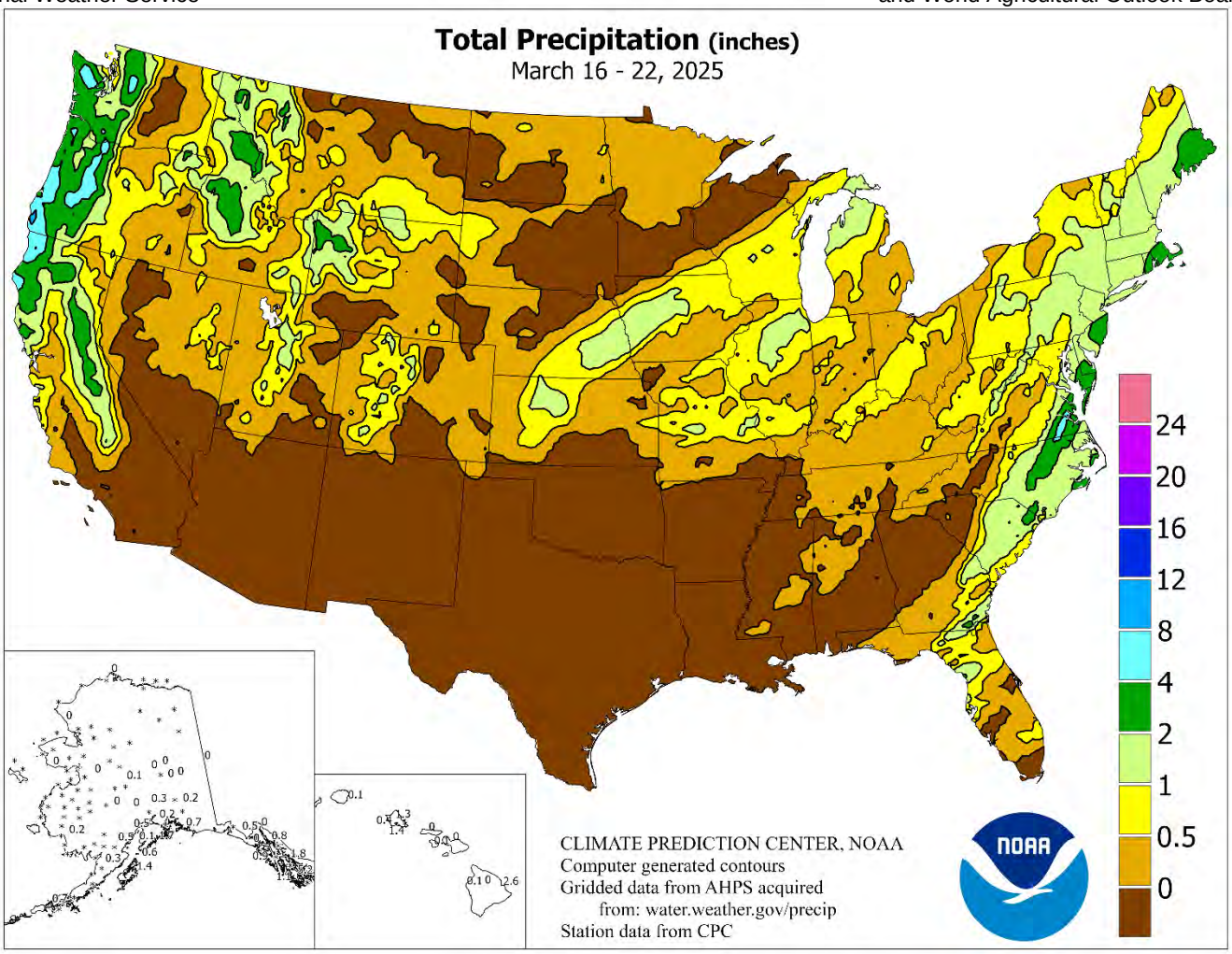
Volume 112, No. 12 www.usda.gov/oce/weather-drought-monitor March 25, 2025

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

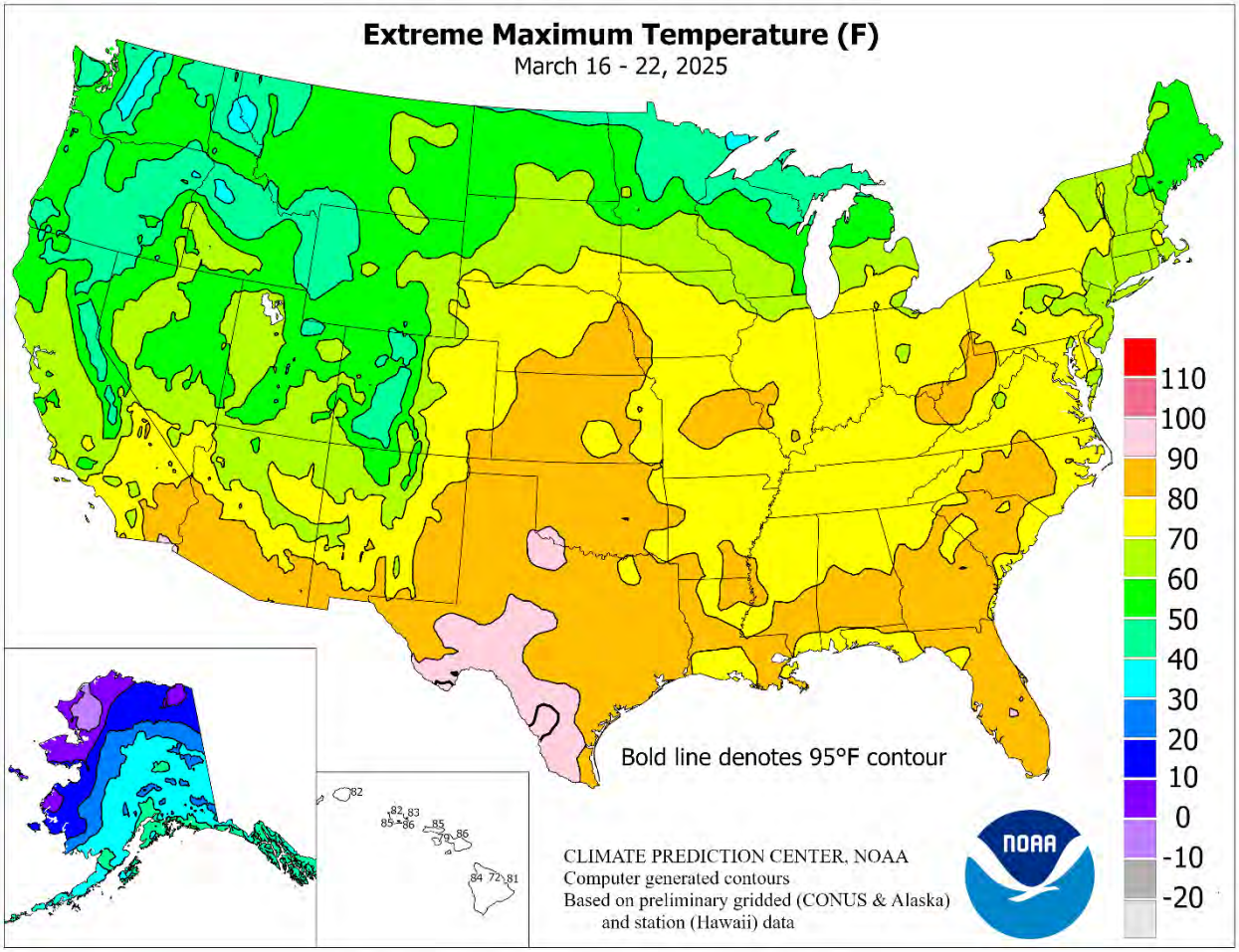
March 16 – 22, 2025

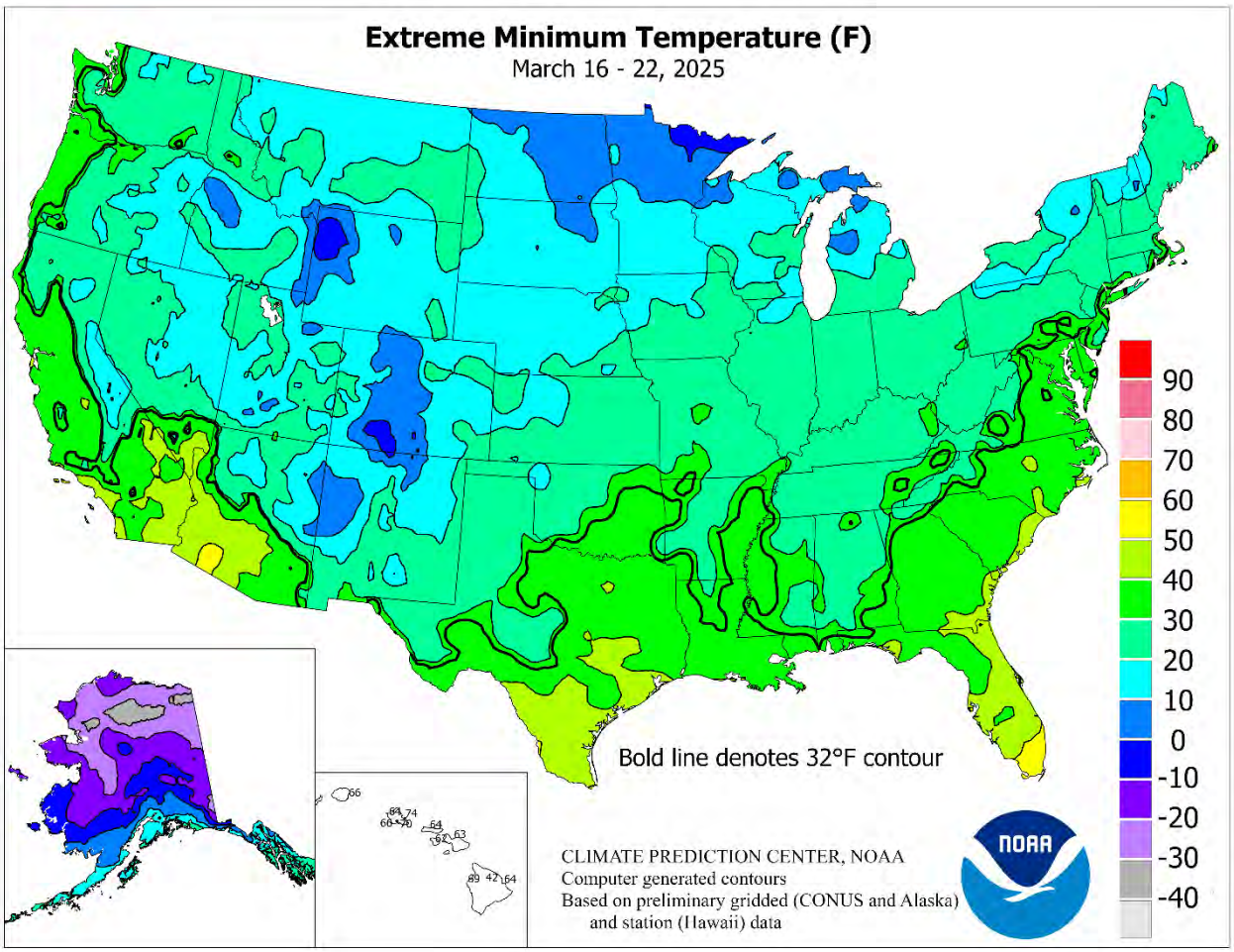
Highlights provided by USDA/WAOB

For the second time in 5 days, a ferocious dust storm across the **southern High Plains** and neighboring regions led to sharp visibility reductions and increasingly stressful conditions for rangeland, pastures, and winter grains. The dust, lofted by high winds on March 18, was drawn into a storm system crossing the **central Plains** and **upper Midwest**, and led to widespread reports of "dirty" rain and snow. On March 19-20, significant accumulations of wind-driven snow occurred from parts of **Kansas and**

(Continued on page 3)

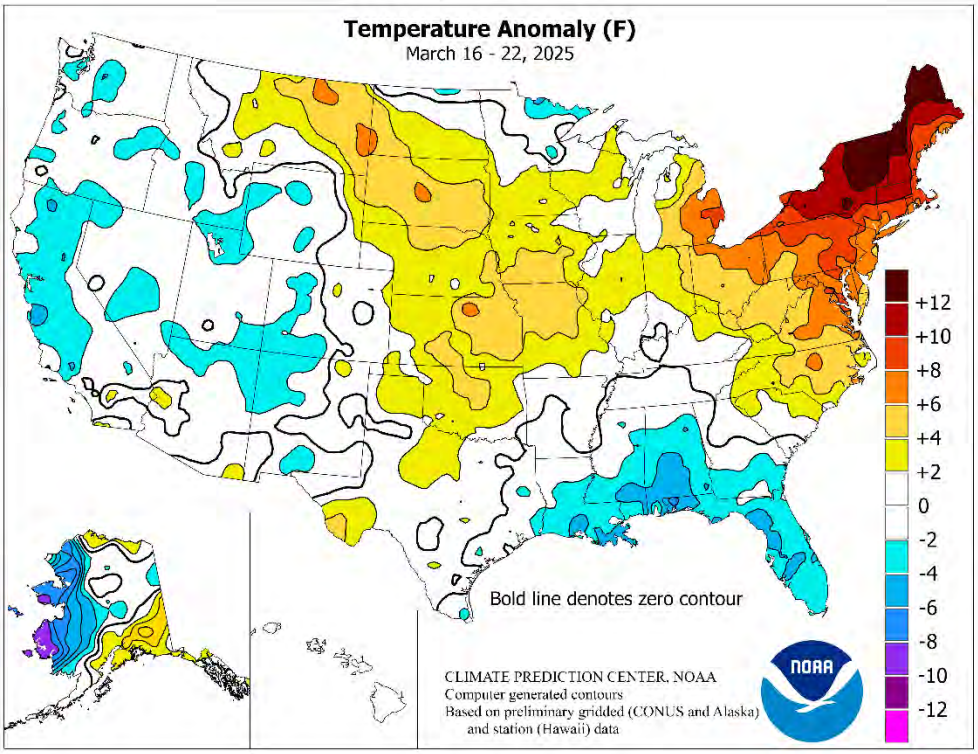
Contents


Extreme Maximum Temperature (F)
March 16 - 22, 2025
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS & Alaska)
and station (Hawaii) data
NOAA


Extreme Minimum Temperature (F)
March 16 - 22, 2025
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA

(Continued from front cover)

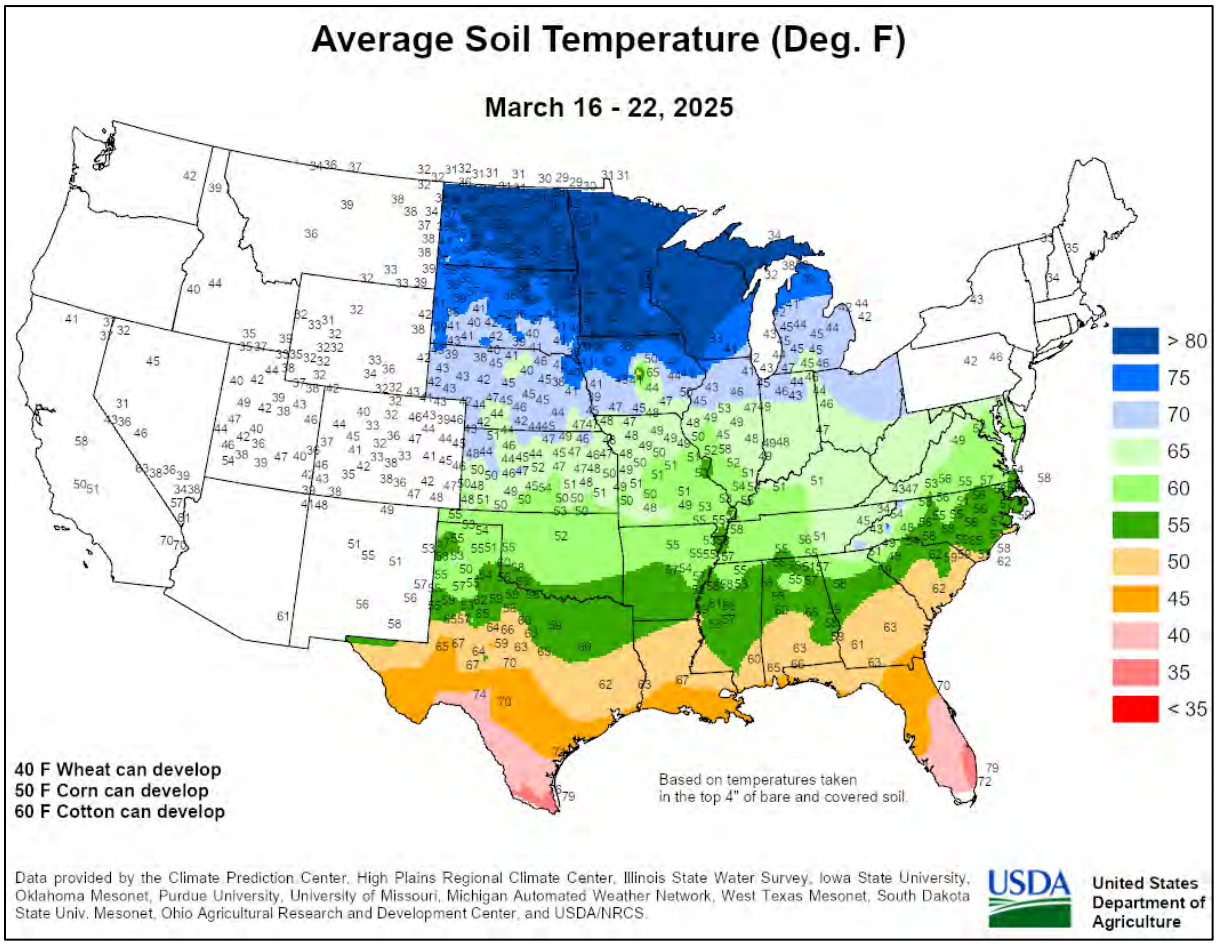
Nebraska into northern Michigan, while locally severe thunderstorms erupted across the **Midwest**. More than a dozen tornadoes were spotted on March 19 across **Illinois** and **Indiana**. Farther east, drought-easing precipitation fell on March 16 and 20 in portions of the **middle and northern Atlantic States**. Elsewhere, dry weather dominated the **southern Plains** and the **Southwest**, while widespread, late-season precipitation fell across **northern and central California** and the **Northwest**. According to the California Department of Water Resources, the average water equivalency of the high-elevation **Sierra Nevada** snowpack climbed nearly to 25 inches, essentially ensuring a normal seasonal accumulation. For the second week in a row, near- or below-normal temperatures dominated the **West**, with temperatures averaging as much as 5°F below normal in scattered locations. In contrast, weekly readings averaged at least 10°F above normal from portions of the **middle Atlantic States into New England**. **East of the Rockies**, cooler-than-normal conditions were mostly confined to the **central and eastern Gulf Coast States**, including **Florida**.

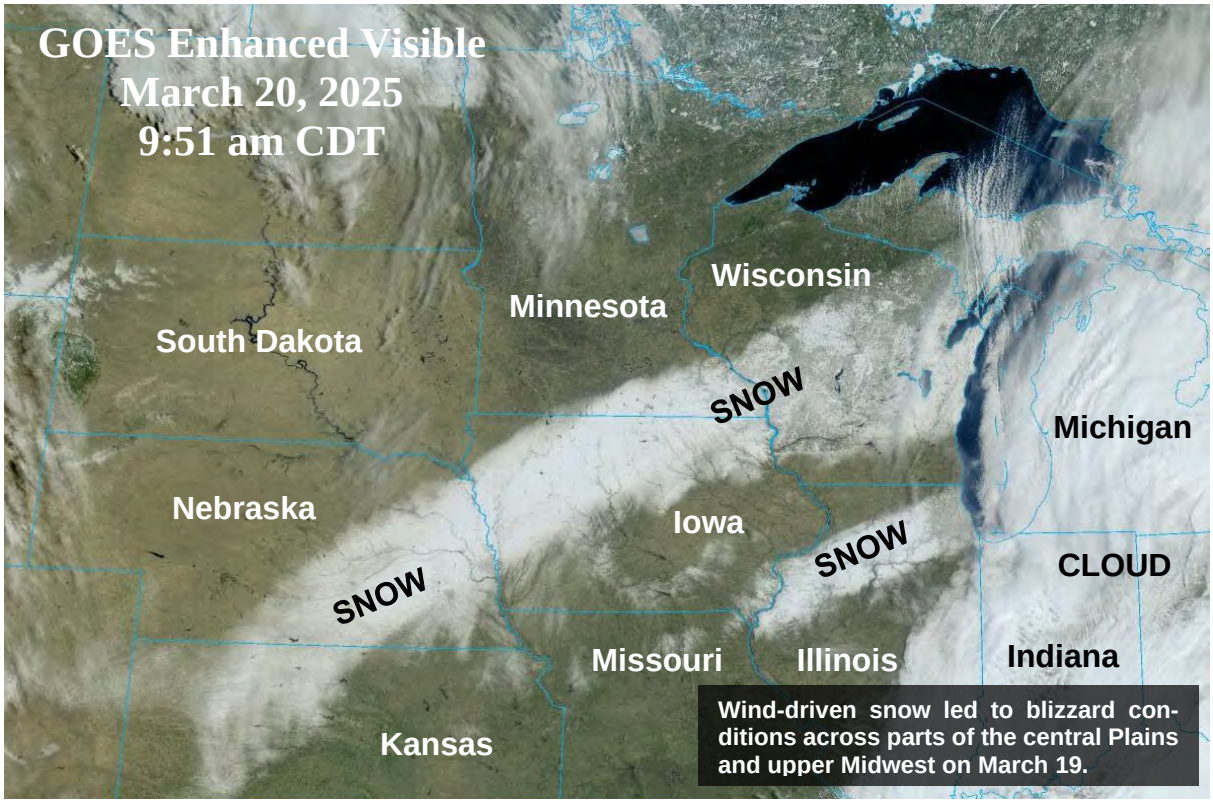


As the week began, warmth in advance of an **Eastern** cold front led to daily-record highs in locations such as **Melbourne, FL** (90°F), and **Houlton, ME** (58°F). Farther west, warmth also surged across the **Plains**, where record-setting highs for March 17 included 85°F in **Lincoln, NE**, and 81°F in **Russell, KS**. By March 20, **Lincoln's** temperature plunged to 21°F, following a 5.0-inch snowfall the day before. Even warmer weather affected **Russell** on March 18, when the daily-record high soared to 86°F. Other record-setting highs for March 18 included 91°F in **Childress, TX**; 87°F in **Dodge City, KS**; and 84°F in **St. Louis, MO**. Like **Lincoln, NE**, a dramatic transition occurred in **Dodge City**, with a 4.4-inch snowfall on the 19th and a minimum temperature of 22°F on the 20th. By March 19, lingering warmth was limited to the **East**, where daily-record highs reached 84°F in **Clarksburg, WV**; 81°F in **Pittsburgh, PA**; and 77°F in **Rochester, NY**. In contrast, chilly weather in **California** led to several daily-record lows, including 32°F on March 19 in **Livermore**. Late in the week, cold air in the wake of a departing storm system resulted in temperatures below 20°F across much of the **northwestern half of the Plains**. Farther south, frost and freezes were reported in portions of the **Gulf Coast States**, mainly across **Alabama**, **Louisiana**, and **Mississippi**. On March 21, **Mobile, AL**, notched a daily-record low of 30°F. In **Southern** freeze-affected areas, producers monitored crops such as heading winter wheat and blooming fruits. By March 22, daily-record lows were noted in **Florida** locations such as **Brooksville** (34°F) and **Vero Beach** (39°F).

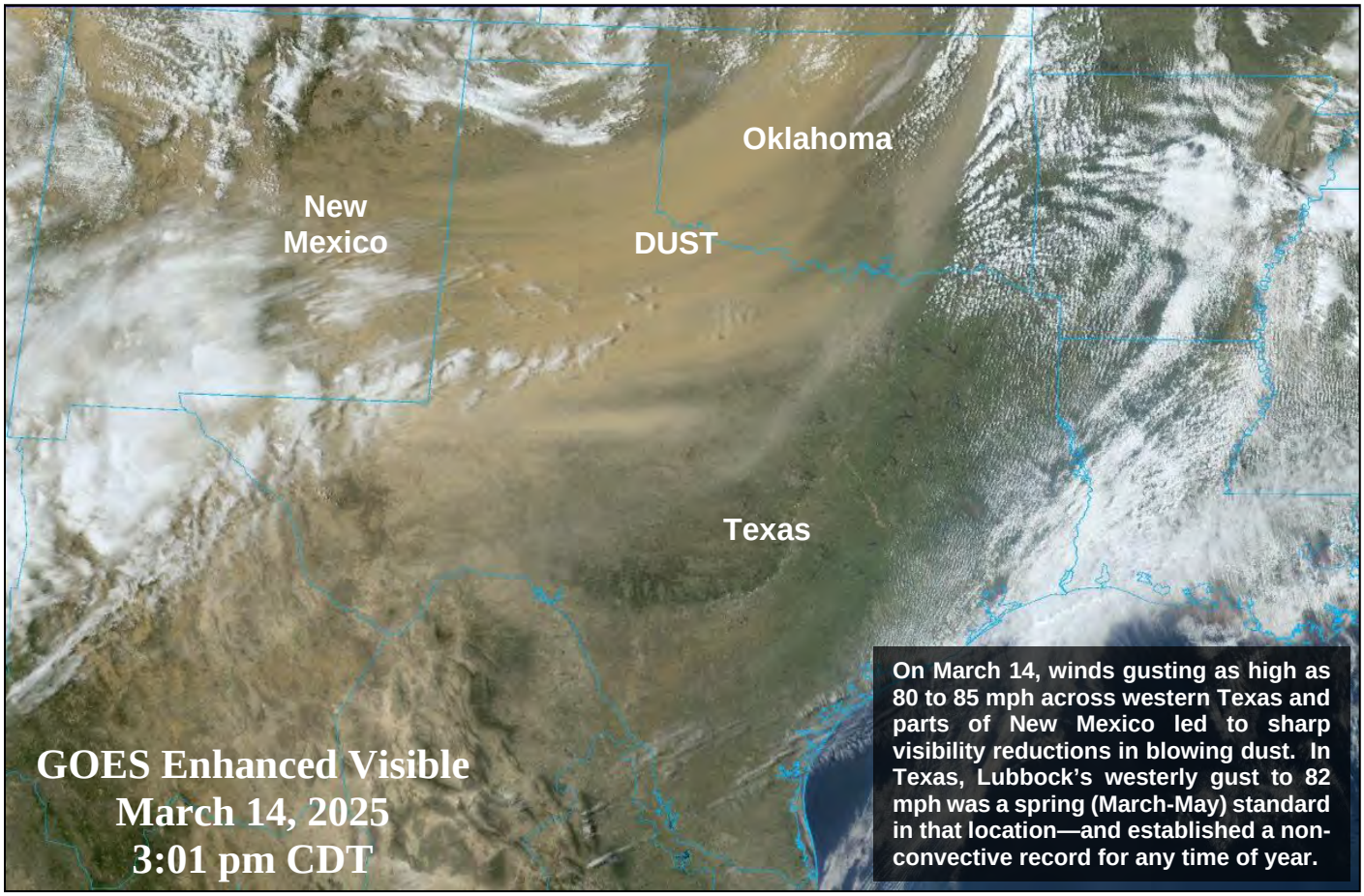
Following the **lower Midwestern** and **Southern** severe weather and tornado outbreak of March 14-15, recovery efforts commenced. Preliminary reports indicated that eleven fatal tornadoes across four states—**Missouri**, **Mississippi**, **Arkansas**, and **Alabama**—resulted in at least 23 deaths. Heavy showers lingered in the **Atlantic Coast States** through March 16, when daily-record rainfall totals included 1.37 inches in **Williamsport, PA**, and 1.31 inches in **Atlantic City, NJ**. High winds preceded, accompanied, and trailed the **Eastern** rain, with **Clarksburg, WV**, clocking an all-time-record peak gust to 71 mph on March 16 (previously, 67 mph on April 10, 1991). Meanwhile, heavy precipitation overspread parts of the **Northwest**. In **Oregon**, record-setting totals for March 16 included 3.47 inches in **Roseburg** and 1.38 inches in **Eugene**. With 1.34 inches, **McCall, ID**, also netted a record-setting sum for March 16. As precipitation raced eastward across the **nation's northern tier**, **International Falls, MN**, received a daily-record snowfall of 7.4 inches on March 17. Additional moisture overspread **northern sections of the Rockies and Plains** on March 18, resulting in daily-record totals in locations such as **Sheridan, WY** (0.93 inch), and **Billings, MT** (0.42 inch). Farther south, high winds raked the **southern Plains** on March 18, when **Lubbock, TX**, recorded a gust to 78 mph. That reading closely followed **Lubbock's** highest spring wind gust on record—82 mph on March 14. Other March 18 peak gusts included 76 mph in **Ruidoso, NM**; 75 mph in **El Paso, TX**; 74 mph in **Carlsbad, NM**; 72 mph in **Clayton, NM**; and 70 mph in **Dalhart, TX**. **El Paso** reported visibility reductions in blowing dust to one-half mile or less or 10 of the first 18 days of the month, including March 18. In some areas, high winds lingered into March 19, when peak gusts reached 72 mph in **Clinton and Gage, OK**, along with 68 mph in **Garden City, KS**. Meanwhile, March 18-19 snowfall in **Kansas** totaled 6.3 inches in **Goodland** and 4.4 inches in **Dodge City**. In **Nebraska**, March 19 snowfall included 6.7 inches in **Hastings**, with a peak gust to 71 mph, and 5.0 inches in **Lincoln**, with a gust to 73 mph. The most significant band of accumulating snow eventually cut across parts of **western and northern Iowa**, **southeastern Minnesota**, **Wisconsin**, and **Michigan**.

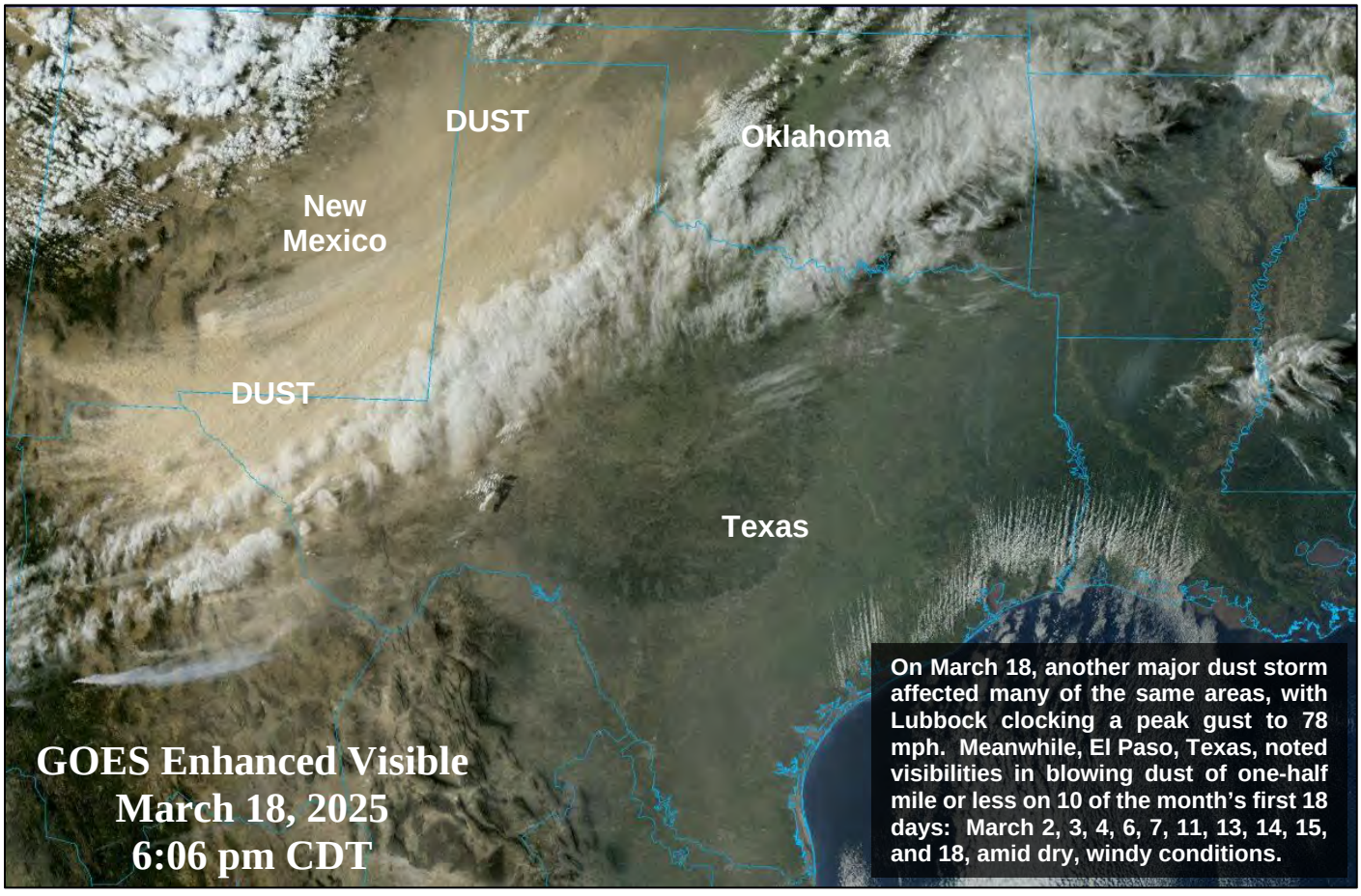
Cold weather held weekly temperatures more than 10°F below normal in parts of **western Alaska**, while near- or above-normal temperatures covered the remainder of the state. **Kotzebue** reported minima of -20°F or below each day from March 16-20. Meanwhile, significant precipitation was mostly limited to **southern Alaska**. In **Anchorage**, month-to-date snowfall climbed to 16.9 inches, all of which fell from March 12-18. In **southeastern Alaska**, **Ketchikan** received weekly (March 16-22) precipitation totaling 5.18 inches. Farther south, the weather across **Hawaii** was uneventful, aside from localized downpours early in the week and general warmth. **Honolulu, Oahu**, netted rainfall totaling 1.28 inches, along with some thunder, on March 17. Four days later, on the 21st, **Honolulu** posted a daily-record high of 87°F. At the state's major airport observation sites, March 1-22 rainfall ranged from 0.20 inch (10 percent of normal) in **Kahului, Maui**, to 7.27 inches (79 percent) in **Hilo**, on the **Big Island**.

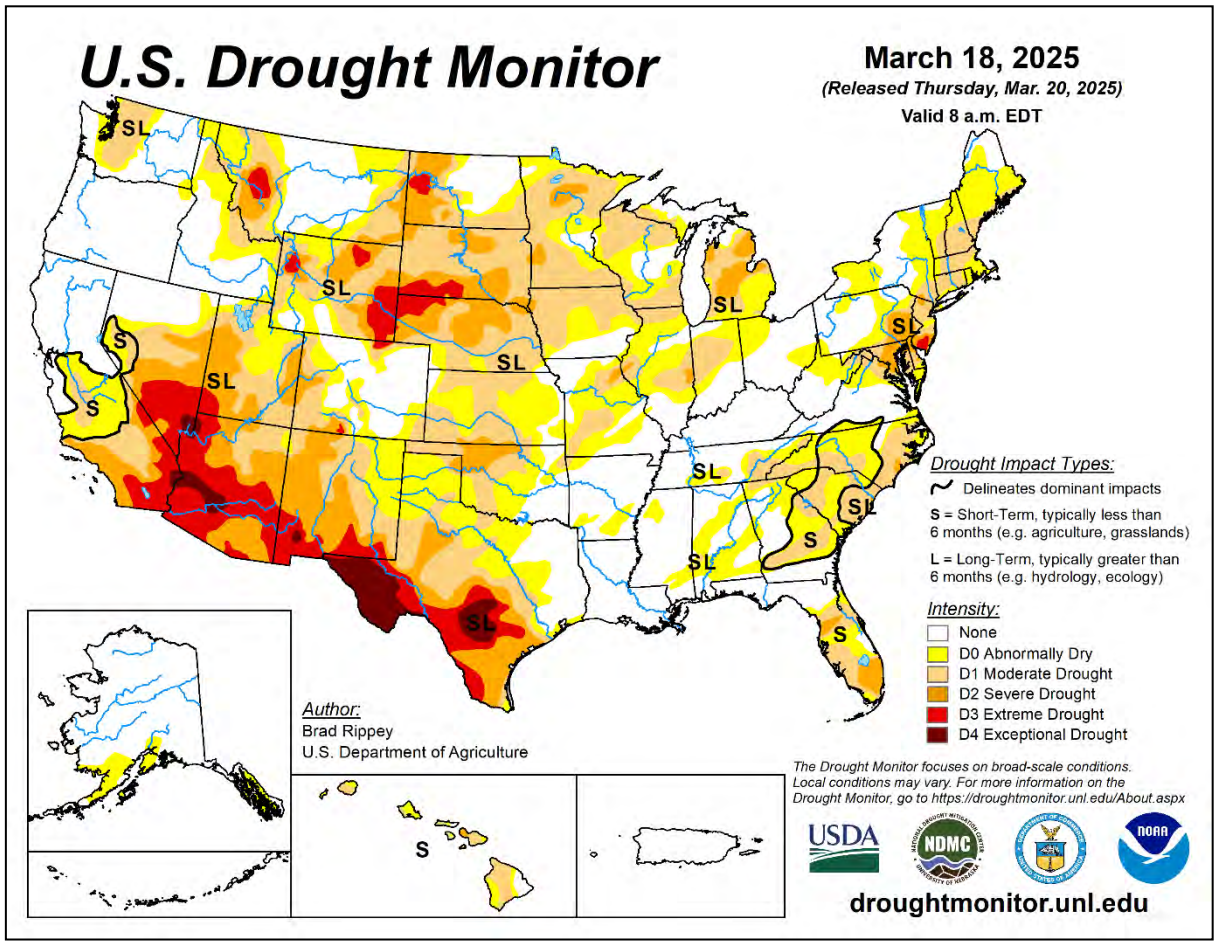


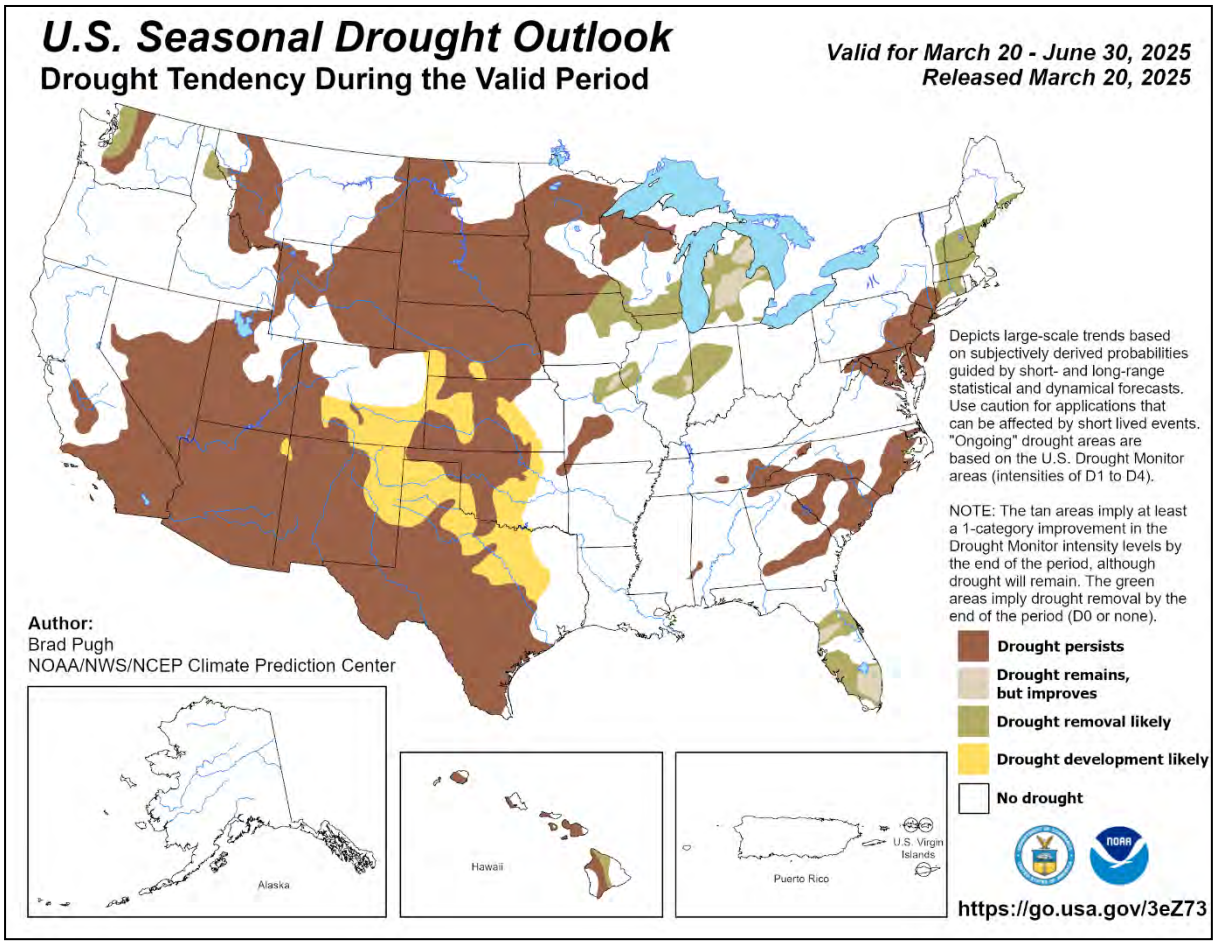


Wind-driven snow led to blizzard conditions across parts of the central Plains and upper Midwest on March 19.


Oklahoma
New Mexico
DUST
Texas
GOES Enhanced Visible
March 14, 2025
3:01 pm CDT
On March 14, winds gusting as high as 80 to 85 mph across western Texas and parts of New Mexico led to sharp visibility reductions in blowing dust. In Texas, Lubbock's westerly gust to 82 mph was a spring (March-May) standard in that location—and established a non-convective record for any time of year.


DUST
Oklahoma
New Mexico
DUST
Texas
GOES Enhanced Visible
March 18, 2025
6:06 pm CDT
On March 18, another major dust storm affected many of the same areas, with Lubbock clocking a peak gust to 78 mph. Meanwhile, El Paso, Texas, noted visibilities in blowing dust of one-half mile or less on 10 of the month's first 18 days: March 2, 3, 4, 6, 7, 11, 13, 14, 15, and 18, amid dry, windy conditions.


U.S. Drought Monitor
March 18, 2025
(Released Thursday, Mar. 20, 2025)
Valid 8 a.m. EDT
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
Author:
Brad Rippey
U.S. Department of Agriculture
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx
droughtmonitor.unl.edu


U.S. Seasonal Drought Outlook
Drought Tendency During the Valid Period
Valid for March 20 - June 30, 2025
Released March 20, 2025
Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).
Drought persists
Drought remains, but improves
Drought removal likely
Drought development likely
No drought
Author:
Brad Pugh
NOAA/NWS/NCEP Climate Prediction Center
Alaska
Hawaii
Puerto Rico
U.S. Virgin Islands
https://go.usa.gov/3eZ73

National Weather Data for Selected Cities

Weather Data for the Week Ending March 22, 2025

Accessible Data Available from the Climate Prediction Center

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. ˚F		NUMBER OF DAYS PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	35	23	44	15	29	3	0.48	0.33	0.17	0.94	182	3.19	149	91	58	0	7	4	0
	BARROW	-3	-9	3	-17	-6	0	0.00	-0.04	0.00	0.00	0	0.00	0	83	74	0	7	0	0
	FAIRBANKS	26	-1	42	-5	12	1	0.00	-0.08	0.00	0.11	38	2.05	144	74	43	0	7	0	0
	JUNEAU	40	29	46	16	34	1	0.79	-0.06	0.26	2.80	103	13.45	103	94	64	0	3	6	0
	KODIAK	39	30	44	22	35	1	1.40	0.35	0.65	4.80	144	26.95	149	93	67	0	4	5	1
	NOME	8	-13	12	-16	-3	-12	0.00	-0.15	0.00	0.93	172	4.85	197	81	57	0	7	0	0
AL	BIRMINGHAM	69	39	77	29	54	-3	0.12	-1.13	0.07	3.22	78	9.36	66	84	29	0	1	2	0
	HUNTSVILLE	67	39	76	29	53	-2	0.22	-0.98	0.13	3.05	79	12.95	92	84	34	0	1	2	0
	MOBILE	72	41	79	30	56	-5	0.00	-1.25	0.00	2.49	64	9.30	66	95	27	0	1	0	0
	MONTGOMERY	73	37	82	29	55	-5	0.02	-1.10	0.02	2.49	64	8.88	66	89	26	0	1	1	0
AR	FORT SMITH	73	40	83	34	57	2	0.00	-0.90	0.00	1.30	48	5.67	68	69	20	0	0	0	0
	LITTLE ROCK	70	42	78	33	56	2	0.00	-1.11	0.00	2.11	59	9.92	90	71	19	0	0	0	0
AZ	FLAGSTAFF	53	23	60	17	38	-1	0.00	-0.38	0.00	2.55	174	4.20	73	69	23	0	7	0	0
	PHOENIX	79	54	86	50	67	0	0.00	-0.19	0.00	1.08	162	1.18	48	42	17	0	0	0	0
	PRESCOTT	63	32	70	28	47	-1	0.00	-0.19	0.00	1.91	256	2.55	78	60	16	0	4	0	0
	TUCSON	79	45	89	39	62	-1	0.00	-0.13	0.00	0.23	55	0.50	24	37	8	0	0	0	0
CA	BAKERSFIELD	66	44	72	40	55	-4	0.20	-0.05	0.17	1.61	188	2.63	81	85	37	0	0	2	0
	EUREKA	53	43	55	35	48	-1	3.45	2.19	1.02	6.64	159	17.37	105	99	73	0	0	7	3
	FRESNO	64	45	67	42	55	-3	0.52	0.12	0.49	3.62	261	5.41	98	90	47	0	0	2	0
	LOS ANGELES	65	50	72	47	58	-2	0.03	-0.30	0.03	1.24	91	4.95	68	86	45	0	0	1	0
	REDDING	60	42	67	32	51	-4	0.99	0.01	0.81	3.99	114	15.80	105	96	50	0	1	4	1
	SACRAMENTO	62	42	65	37	52	-4	0.30	-0.25	0.21	1.46	72	6.50	70	98	46	0	0	3	0
	SAN DIEGO	67	50	76	48	59	-2	0.01	-0.27	0.01	2.60	226	3.95	74	87	49	0	0	1	0
	SAN FRANCISCO	59	45	60	38	52	-4	0.20	-0.36	0.14	1.46	70	6.77	68	89	57	0	0	2	0
	STOCKTON	64	42	66	37	53	-4	0.47	0.08	0.43	1.69	120	5.16	78	98	51	0	0	2	0
CO	ALAMOSA	53	14	63	2	34	-3	0.00	-0.13	0.00	0.14	40	0.61	63	64	14	0	7	0	0
	CO SPRINGS	59	26	71	17	42	0	0.21	0.02	0.21	0.26	49	1.81	157	69	16	0	6	1	0
	DENVER INTL	61	28	74	22	44	1	0.06	-0.15	0.06	0.35	63	1.53	114	60	15	0	6	1	0
	GRAND JUNCTION	57	33	65	28	45	-1	0.13	-0.06	0.13	0.61	114	0.93	55	65	20	0	4	1	0
	PUEBLO	65	25	79	12	45	0	0.09	-0.11	0.08	0.10	19	1.13	98	72	14	0	6	2	0
CT	BRIDGEPORT	56	38	62	34	47	7	1.43	0.48	0.78	2.68	91	6.54	70	89	48	0	0	5	1
	HARTFORD	61	35	69	28	48	9	1.42	0.52	0.92	3.09	112	7.61	83	89	41	0	3	5	1
DC	WASHINGTON	70	44	79	39	57	9	0.76	-0.07	0.46	1.46	59	6.58	82	71	30	0	0	3	0
DE	WILMINGTON	64	38	70	29	51	7	1.65	0.65	0.63	3.17	107	6.95	77	85	36	0	1	3	2
FL	DAYTONA BEACH	74	49	84	42	62	-4	0.07	-0.80	0.07	0.68	26	4.09	53	94	31	0	0	1	0
	JACKSONVILLE	75	46	83	38	60	-3	0.50	-0.19	0.50	4.88	208	13.33	157	88	32	0	0	1	0
	KEY WEST	78	65	83	60	71	-3	0.00	-0.33	0.00	0.02	1	5.61	125	87	59	0	0	0	0
	MIAMI	80	61	85	56	71	-3	0.01	-0.56	0.01	0.27	16	1.95	34	81	37	0	0	1	0
	ORLANDO	79	52	88	46	65	-2	0.01	-0.72	0.01	0.63	29	2.24	33	91	27	0	0	1	0
	PENSACOLA	71	46	76	38	59	-4	0.14	-1.04	0.14	2.06	55	10.27	75	87	32	0	0	1	0
	TALLAHASSEE	77	42	82	35	60	-2	0.43	-0.67	0.26	6.00	152	13.87	109	87	20	0	0	2	0
	TAMPA	76	56	85	50	66	-3	0.40	-0.17	0.32	0.92	52	7.43	106	83	39	0	0	2	0
	WEST PALM BEACH	79	58	86	50	68	-3	0.41	-0.35	0.29	0.42	18	3.47	41	89	39	0	0	2	0
GA	ATHENS	72	41	81	34	56	1	0.71	-0.24	0.67	2.28	71	9.48	79	74	20	0	0	2	1
	ATLANTA	71	43	79	36	57	1	0.29	-0.74	0.27	2.78	81	11.54	91	70	22	0	0	2	0
	AUGUSTA	74	42	83	33	58	-1	1.23	0.34	0.99	2.66	90	8.19	78	91	22	0	0	2	1
	COLUMBUS	73	44	82	38	58	-1	0.82	-0.26	0.80	3.35	93	10.78	87	81	21	0	0	2	1
	MACON	73	40	81	33	57	-2	1.85	0.93	1.77	3.23	104	8.06	69	86	23	0	0	2	1
	SAVANNAH	72	46	82	41	59	-1	0.82	0.09	0.72	2.90	117	5.85	68	83	30	0	0	2	1
HI	HILO	79	67	81	64	73	1	2.62	-0.25	0.72	6.85	74	16.32	59	92	60	0	0	7	3
	HONOLULU	84	72	86	70	78	3	1.35	0.82	1.18	1.43	81	7.63	137	82	54	0	0	3	1
	KAHULUI	84	66	86	63	75	1	0.00	-0.61	0.00	0.28	14	4.68	73	91	56	0	0	0	0
	LIHUE	81	70	82	66	76	3	0.11	-1.21	0.04	0.59	14	4.15	39	91	68	0	0	3	0
IA	BURLINGTON	60	32	76	26	46	4	0.46	-0.09	0.32	1.82	108	2.59	53	81	36	0	5	3	0
	CEDAR RAPIDS	57	29	75	22	43	5	0.34	-0.11	0.32	1.58	116	2.09	59	81	35	0	5	2	0
	DES MOINES	60	31	77	24	46	5	0.09	-0.42	0.07	2.32	160	3.11	80	71	31	0	4	2	0
	DUBUQUE	52	27	68	22	40	3	0.61	0.10	0.61	2.28	152	2.64	60	80	39	0	6	1	1
	SIOUX CITY	57	28	81	19	42	4	0.21	-0.22	0.21	1.96	176	2.37	89	81	38	0	5	1	0
	WATERLOO	56	28	73	22	42	4	0.21	-0.25	0.21	2.13	164	2.76	78	76	36	0	7	1	0
ID	BOISE	53	35	65	27	44	-2	0.47	0.16	0.28	0.68	74	4.80	144	82	33	0	2	4	0
	LEWISTON	53	37	56	30	45	-1	0.35	0.05	0.29	1.09	122	3.96	129	85	38	0	1	2	0
	POCATELLO	47	30	56	23	39	-1	0.57	0.30	0.28	1.22	142	3.92	133	83	38	0	4	4	0
IL	CHICAGO/O_HARE	52	33	72	26	42	2	1.07	0.52	0.54	2.72	160	5.64	99	83	43	0	4	3	1
	MOLINE	57	28	72	20	42	1	0.61	0.01	0.43	1.77	95	3.95	74	83	37	0	4	4	0
	PEORIA	59	32	75	25	46	3	1.22	0.61	1.02	3.52	188	5.06	85	83	34	0	5	4	1
	ROCKFORD	52	28	68	17	40	1	0.96	0.41	0.72	2.47	152	3.78	77	77	38	0	5	2	1
	SPRINGFIELD	60	32	79	23	46	2	0.13	-0.51	0.05	2.13	112	2.89	49	85	34	0	4	3	0
IN	EVANSVILLE	62	35	77	26	48	1	0.18	-0.89	0.15	2.21	67	7.92	80	81	37	0	4	2	0
	FORT WAYNE	57	31	71	24	44	5	0.85	0.21	0.56	1.97	103	5.00	76	86	49	0	5	2	1
	INDIANAPOLIS	59	33	76	27	46	3	0.52	-0.34	0.39	2.06	81	5.06	62	83	42	0	4	4	0
	SOUTH BEND	55	30	73	24	43	5	1.12	0.62	0.54	3.79	226	6.49	97	83	45	0	5	3	1
KS	CONCORDIA	66	39	83	25	53	8	0.07	-0.30	0.07	0.18	18	1.15	52	78	31	0	2	1	0
	DODGE CITY	69	33	87	22	51	4	0.15	-0.19	0.15	0.28	31	1.28	60	66	21	0	4	1	0
	GOODLAND	64	29	78	22	46	4	0.05	-0.17	0.04	0.74	132	1.16	102	72	19	0	5	2	0
	TOPEKA	67	35	79	25	51	5	0.09	-0.44	0.09	0.99	66	3.23	87	73	19	0	3	1	0

Based on 1991-2020 normals ***** Not Available**

Weather Data for the Week Ending March 22, 2025

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	68	35	78	26	52	3	0.00	-0.55	0.00	0.37	23	1.87	51	64	19	0	3	0	0
KY	LEXINGTON	62	37	75	27	50	3	0.81	-0.20	0.58	3.13	97	12.80	124	78	41	0	1	3	1
	LOUISVILLE	63	39	78	32	51	2	0.35	-0.68	0.18	3.30	100	13.97	138	71	33	0	1	2	0
	PADUCAH	65	37	77	29	51	1	0.17	-0.86	0.10	1.87	56	12.51	112	73	23	0	3	2	0
LA	BATON ROUGE	74	45	81	35	59	-3	0.00	-0.94	0.00	2.94	93	10.65	76	87	25	0	0	0	0
	LAKE CHARLES	73	46	78	37	59	-5	0.00	-0.81	0.00	1.15	45	10.94	93	92	28	0	0	0	0
	NEW ORLEANS	73	51	82	41	62	-3	0.00	-0.95	0.00	1.83	59	12.05	97	83	30	0	0	0	0
	SHREVEPORT	76	45	82	34	60	0	***	***	***	***	***	***	***	78	21	0	0	***	***
MA	BOSTON	55	39	69	36	47	8	2.34	1.33	1.80	3.16	108	8.81	92	90	54	0	0	4	1
	WORCESTER	57	35	63	29	46	10	1.54	0.54	1.07	3.09	103	9.35	95	94	43	0	3	5	1
MD	BALTIMORE	67	39	72	34	53	8	1.11	0.17	0.79	2.11	73	6.20	70	78	32	0	0	3	1
ME	CARIBOU	51	36	57	27	44	17	0.47	-0.15	0.26	2.68	134	8.06	109	88	62	0	2	3	0
	PORTLAND	49	33	57	26	41	6	1.75	0.78	0.90	3.14	108	8.35	84	94	63	0	4	3	2
MI	ALPENA	46	23	58	12	35	5	0.81	0.42	0.62	2.32	187	5.81	127	87	49	0	6	4	1
	GRAND RAPIDS	54	29	69	22	41	5	0.91	0.40	0.54	2.29	142	5.33	85	86	46	0	5	4	1
	HOUGHTON LAKE	47	24	60	12	35	4	1.37	0.99	0.83	2.50	212	9.37	218	89	50	0	5	5	1
	LANSING	57	30	70	20	43	7	0.98	0.52	0.75	1.51	104	3.50	67	85	43	0	5	3	1
	MUSKEGON	52	29	68	20	40	4	0.49	-0.04	0.20	1.65	100	5.55	89	84	44	0	5	3	0
	TRAVERSE CITY	44	27	53	15	35	2	1.03	0.69	0.42	2.22	212	4.55	121	85	50	0	5	5	0
MN	DULUTH	38	17	45	6	28	-1	0.00	-0.33	0.00	0.50	51	2.72	93	75	40	0	7	0	0
	INT_L FALLS	35	7	48	-3	21	-5	0.35	0.10	0.30	1.71	263	3.79	178	86	45	0	7	2	0
	MINNEAPOLIS	48	26	63	18	37	2	0.03	-0.37	0.03	0.90	84	1.52	53	70	33	0	6	1	0
	ROCHESTER	46	25	60	19	36	3	0.35	-0.13	0.35	1.53	120	2.18	66	76	45	0	6	1	0
	ST. CLOUD	44	22	59	11	33	2	0.10	-0.29	0.10	1.54	153	2.71	111	78	35	0	7	1	0
MO	COLUMBIA	65	36	82	30	51	4	0.05	-0.65	0.03	1.52	74	3.54	56	73	23	0	3	2	0
	KANSAS CITY	65	38	76	27	51	6	0.16	-0.39	0.16	1.65	103	4.17	98	64	24	0	3	1	0
	SAINT LOUIS	66	39	84	30	52	5	0.01	-0.82	0.01	0.91	39	5.04	70	67	22	0	1	1	0
	SPRINGFIELD	65	35	79	30	50	2	0.26	-0.56	0.17	1.17	48	3.55	48	74	23	0	3	2	0
MS	JACKSON	73	42	80	33	58	-1	0.32	-0.95	0.32	3.31	83	15.38	106	83	25	0	0	1	0
	MERIDIAN	72	38	81	30	55	-4	0.00	-1.23	0.00	4.28	102	12.39	81	92	28	0	1	0	0
	TUPELO	68	39	78	30	54	-2	0.00	-1.17	0.00	6.35	165	16.39	117	78	26	0	1	0	0
MT	BILLINGS	49	31	58	26	40	1	0.83	0.62	0.46	1.09	197	4.06	243	78	35	0	3	3	0
	BUTTE	41	24	48	15	33	0	0.24	0.09	0.17	0.32	79	1.77	141	85	37	0	7	3	0
	CUT BANK	45	23	50	13	34	2	0.04	-0.04	0.04	0.11	50	0.43	63	80	35	0	7	1	0
	GLASGOW	52	26	61	18	39	6	0.06	-0.04	0.04	0.15	48	1.48	136	84	33	0	7	2	0
	GREAT FALLS	49	24	55	20	37	1	0.19	0.04	0.19	0.68	162	3.63	233	88	33	0	7	1	0
	HAVRE	52	23	58	17	37	4	0.10	-0.02	0.10	0.26	81	1.96	172	89	30	0	6	1	0
	MISSOULA	46	29	53	21	37	-1	0.42	0.22	0.24	0.76	122	3.40	137	94	45	0	6	5	0
NC	ASHEVILLE	66	38	79	31	52	3	0.79	-0.06	0.79	1.53	57	6.72	65	79	28	0	2	1	1
	CHARLOTTE	72	43	81	37	58	4	1.63	0.78	0.97	2.76	96	7.57	80	65	20	0	0	2	2
	GREENSBORO	70	43	80	37	56	5	0.64	-0.19	0.43	1.91	72	8.08	91	72	26	0	0	2	0
	HATTERAS	65	48	71	41	57	2	1.61	0.63	1.53	3.50	110	11.17	90	85	51	0	0	3	1
	RALEIGH	72	47	82	42	59	7	0.46	-0.46	0.28	1.55	53	6.28	68	73	31	0	0	3	0
	WILMINGTON	71	47	76	39	59	3	0.88	0.01	0.52	2.43	85	6.35	62	89	37	0	0	3	1
ND	BISMARCK	49	20	62	12	35	3	0.02	-0.18	0.02	0.02	4	0.98	63	87	37	0	7	1	0
	DICKINSON	51	22	59	16	37	5	0.15	0.03	0.15	0.15	47	0.42	47	85	28	0	7	1	0
	FARGO	43	18	58	9	30	2	0.00	-0.30	0.00	0.00	0	0.90	40	89	40	0	7	0	0
	GRAND FORKS	38	16	59	9	27	1	0.17	-0.05	0.17	0.24	38	0.93	56	83	48	0	7	1	0
	JAMESTOWN	44	18	60	9	31	2	0.00	-0.17	0.00	0.00	0	0.19	17	91	41	0	7	0	0
NE	GRAND ISLAND	60	27	81	18	44	1	0.13	-0.20	0.13	0.39	45	1.62	73	80	28	0	6	1	0
	LINCOLN	62	30	85	21	46	4	0.45	0.07	0.45	0.88	88	1.36	51	81	32	0	4	1	0
	NORFOLK	58	27	79	20	42	3	0.14	-0.21	0.14	1.30	142	2.96	127	80	31	0	5	1	0
	NORTH PLATTE	63	23	78	14	43	2	0.01	-0.22	0.01	0.19	30	2.24	140	77	19	0	6	1	0
	OMAHA	61	29	83	20	45	3	1.44	1.01	1.44	2.13	186	2.79	98	80	31	0	4	1	1
	SCOTTSBLUFF	59	25	71	13	42	1	0.02	-0.22	0.02	0.13	19	1.44	90	73	19	0	6	1	0
	VALENTINE	59	25	72	16	42	3	1.18	0.96	1.18	2.22	347	2.98	189	84	23	0	6	1	1
NH	CONCORD	57	32	67	24	45	10	1.61	0.82	0.89	2.20	94	6.89	87	96	45	0	4	5	1
NJ	ATLANTIC_CITY	62	37	66	29	49	6	2.93	1.87	1.48	4.79	145	8.56	86	89	38	0	2	3	3
	NEWARK	62	40	70	35	51	7	2.05	1.07	1.14	3.59	121	6.91	73	80	36	0	0	3	2
NM	ALBUQUERQUE	64	32	73	24	48	-3	0.00	-0.10	0.00	0.06	19	0.24	21	39	11	0	4	0	0
NV	ELY	***	***	***	***	***	***	0.49	0.27	0.40	1.31	194	1.74	77	***	***	***	***	4	0
	LAS VEGAS	70	49	76	44	60	-2	0.00	-0.08	0.00	0.06	18	0.61	36	40	13	0	0	0	0
	RENO	56	35	61	28	45	-2	0.08	-0.07	0.08	0.42	66	2.48	85	69	21	0	2	1	0
	WINNEMUCCA	51	29	57	21	40	-4	0.07	-0.12	0.07	0.07	11	1.44	63	88	53	0	3	1	0
NY	ALBANY	60	33	73	25	47	10	1.49	0.76	0.59	1.87	85	5.53	78	86	37	0	5	5	1
	BINGHAMTON	57	30	69	21	43	10	1.32	0.62	1.02	2.40	113	8.03	112	85	41	0	5	4	1
	BUFFALO	59	32	76	24	45	10	0.54	-0.11	0.31	1.22	59	6.71	85	78	38	0	4	3	0
	ROCHESTER	62	32	77	26	47	11	1.03	0.48	0.58	1.78	100	6.72	104	78	36	0	5	4	1
	SYRACUSE	61	31	76	24	46	12	0.35	-0.35	0.21	1.07	50	8.40	117	82	36	0	4	2	0
OH	AKRON-CANTON	57	32	73	25	45	5	0.83	0.09	0.61	1.89	84	7.56	99	83	41	0	5	3	1
	CINCINNATI	60	35	73	25	48	3	0.82	-0.13	0.54	2.97	101	10.28	109	87	45	0	2	2	1
	CLEVELAND	58	34	73	27	46	6	0.58	-0.09	0.30	1.93	90	7.63	100	80	43	0	4	2	0
	COLUMBUS	60	36	73	27	48	5	0.59	-0.25	0.41	1.44	57	6.56	82	83	43	0	3	3	0
	DAYTON	59	35	72	25	47	3	1.25	0.44	0.55	2.91	121	7.40	94	80	44	0	4	3	1
	MANSFIELD	55	32	68	23	44	5	1.04	0.30	0.41	2.28	98	6.85	85	86	48	0	5	4	0

Based on 1991-2020 normals ***** Not Available**

Weather Data for the Week Ending March 22, 2025

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	58	32	72	24	45	5	0.33	-0.24	0.24	1.36	74	4.62	71	81	40	0	5	2	0
	YOUNGSTOWN	59	31	75	22	45	7	0.39	-0.33	0.26	1.54	68	7.16	91	79	38	0	5	3	0
OK	OKLAHOMA CITY	72	42	83	32	57	4	0.00	-0.62	0.00	2.08	120	3.15	70	57	17	0	1	0	0
	TULSA	72	42	82	31	57	4	0.00	-0.74	0.00	2.28	108	4.50	84	59	19	0	1	0	0
OR	ASTORIA	53	42	55	35	47	1	1.84	0.06	0.89	4.15	72	17.41	74	90	64	0	0	7	1
	BURNS	45	29	50	21	37	-3	0.15	-0.07	0.10	0.37	55	4.63	167	95	50	0	6	2	0
	EUGENE	51	41	54	36	46	-1	2.83	1.82	1.59	6.05	181	15.37	109	92	67	0	0	7	1
	MEDFORD	54	39	57	35	46	-2	1.41	1.01	0.87	2.62	202	9.20	153	90	52	0	0	6	1
	PENDLETON	54	38	59	31	46	0	0.51	0.21	0.27	0.84	89	3.96	108	82	41	0	1	4	0
	PORTLAND	53	43	57	40	48	-1	1.22	0.34	0.70	3.81	132	11.79	101	86	58	0	0	7	1
	SALEM	51	41	55	37	46	-2	2.32	1.38	0.93	5.33	167	15.19	110	93	62	0	0	6	2
PA	ALLENTOWN	62	35	70	29	49	7	1.09	0.24	0.58	1.85	71	5.35	61	80	35	0	5	3	1
	ERIE	59	32	77	22	46	9	0.41	-0.30	0.33	1.81	82	8.35	103	74	39	0	5	3	0
	MIDDLETOWN	63	38	71	34	50	8	1.26	0.38	1.04	1.99	76	5.38	65	80	35	0	0	2	1
	PHILADELPHIA	66	40	72	33	53	8	2.02	1.08	0.85	3.72	132	6.93	79	81	33	0	0	3	3
	PITTSBURGH	62	35	81	28	48	8	0.83	0.12	0.54	1.69	75	7.76	99	72	27	0	4	3	1
	WILKES-BARRE	60	33	71	25	47	8	1.17	0.53	0.63	1.84	95	4.43	67	83	38	0	4	4	1
	WILLIAMSPORT	62	34	71	26	48	8	1.22	0.50	1.18	3.07	141	6.10	81	82	37	0	4	2	1
RI	PROVIDENCE	58	38	69	31	48	8	2.63	1.44	2.18	3.66	106	9.04	83	92	46	0	1	4	1
SC	CHARLESTON	73	46	81	40	60	1	0.45	-0.28	0.42	1.86	78	4.40	50	89	31	0	0	2	0
	COLUMBIA	73	44	82	36	58	1	1.10	0.33	0.98	3.13	119	6.85	72	82	25	0	0	2	1
	FLORENCE	73	45	81	38	59	2	1.65	0.95	1.42	4.07	179	7.76	94	84	33	0	0	3	1
	GREENVILLE	71	41	80	33	56	2	0.73	-0.26	0.73	1.93	59	8.23	73	62	18	0	0	1	1
SD	ABERDEEN	52	16	62	9	34	2	0.00	-0.20	0.00	0.00	0	1.05	60	83	29	0	7	0	0
	HURON	57	21	70	11	39	5	0.00	-0.26	0.00	0.32	45	0.80	39	79	26	0	7	0	0
	RAPID CITY	56	27	62	17	41	5	0.93	0.73	0.88	1.29	234	3.48	256	71	23	0	5	2	1
	SIOUX FALLS	55	26	75	18	40	4	0.00	-0.38	0.00	1.38	141	1.93	80	73	33	0	5	0	0
TN	BRISTOL	65	32	78	26	49	0	0.71	-0.17	0.56	1.61	57	8.68	84	90	25	0	4	2	1
	CHATTANOOGA	69	37	75	31	53	-1	0.04	-1.18	0.04	4.03	104	12.08	87	87	27	0	1	1	0
	KNOXVILLE	67	38	77	32	53	1	0.83	-0.24	0.63	2.62	75	10.61	81	77	25	0	1	2	1
	MEMPHIS	67	41	76	34	55	-1	0.04	-1.26	0.04	2.48	60	9.59	75	67	22	0	0	1	0
	NASHVILLE	66	38	77	28	52	0	0.20	-0.81	0.20	3.38	104	12.84	109	76	33	0	2	1	0
TX	ABILENE	80	44	90	30	62	3	0.00	-0.40	0.00	0.62	50	1.52	42	44	12	1	1	0	0
	AMARILLO	71	37	86	25	54	3	0.00	-0.33	0.00	1.20	140	1.88	90	49	12	0	3	0	0
	AUSTIN	81	48	87	41	65	1	0.00	-0.68	0.00	0.37	18	4.09	62	71	19	0	0	0	0
	BEAUMONT	75	47	82	38	61	-3	0.04	-0.80	0.04	0.41	16	9.74	89	87	30	0	0	1	0
	BROWNSVILLE	82	57	86	51	69	-2	0.00	-0.34	0.00	0.00	0	1.53	49	80	39	0	0	0	0
	CORPUS CHRISTI	82	54	87	42	68	0	0.00	-0.55	0.00	0.00	0	1.98	45	78	28	0	0	0	0
	DEL RIO	85	52	95	41	68	2	0.00	-0.29	0.00	0.00	0	0.33	16	45	12	3	0	0	0
	EL PASO	74	42	85	35	58	-2	0.00	-0.05	0.00	0.04	22	0.14	14	27	7	0	0	0	0
	FORT WORTH	76	47	83	41	62	3	0.00	-0.74	0.00	0.99	41	8.29	108	60	20	0	0	0	0
	GALVESTON	75	59	84	54	67	1	0.03	-0.71	0.03	0.16	7	6.05	70	88	42	0	0	1	0
	HOUSTON	79	51	83	41	65	0	0.00	-0.76	0.00	1.02	40	9.85	106	77	25	0	0	0	0
	LUBBOCK	74	37	87	26	56	2	0.00	-0.26	0.00	0.25	33	0.46	22	39	10	0	1	0	0
	MIDLAND	76	43	88	30	59	0	0.00	-0.15	0.00	0.00	0	0.11	6	40	7	0	1	0	0
	SAN ANGELO	81	40	93	28	61	1	0.00	-0.33	0.00	0.12	11	1.11	34	49	9	1	1	0	0
	SAN ANTONIO	82	50	89	42	66	2	0.00	-0.54	0.00	0.09	5	2.03	38	72	20	0	0	0	0
	VICTORIA	80	46	84	36	63	-2	0.00	-0.70	0.00	0.09	4	3.55	52	91	26	0	0	0	0
	WACO	78	44	83	33	61	1	0.98	0.24	0.98	1.44	59	5.23	67	79	24	0	0	1	1
	WICHITA FALLS	77	42	89	34	60	4	0.00	-0.47	0.00	1.74	123	2.63	65	57	15	0	0	0	0
UT	SALT LAKE CITY	51	33	64	25	42	-5	0.76	0.35	0.60	1.36	116	2.45	63	85	35	0	3	3	1
VA	LYNCHBURG	71	39	79	30	55	7	0.08	-0.78	0.08	0.66	24	9.70	107	72	25	0	2	1	0
	NORFOLK	69	46	80	38	57	6	1.28	0.43	0.50	2.00	75	9.33	104	77	34	0	0	4	1
	RICHMOND	70	42	77	33	56	7	0.72	-0.23	0.42	3.50	121	11.93	136	83	33	0	0	3	0
	ROANOKE	69	41	79	38	55	6	0.27	-0.53	0.27	1.49	60	10.31	120	64	23	0	0	1	0
	WASH/DULLES	68	41	77	32	55	10	0.39	-0.43	0.23	0.71	28	5.42	67	71	30	0	1	3	0
VT	BURLINGTON	61	33	72	22	47	14	1.08	0.56	0.35	1.96	124	5.83	106	87	36	0	5	4	0
WA	OLYMPIA	50	34	52	28	42	-2	1.38	0.10	0.66	3.69	88	11.55	67	98	62	0	2	6	1
	QUILLAYUTE	50	37	53	33	44	0	3.43	0.75	1.35	6.65	78	16.61	49	100	73	0	0	7	3
	SEATTLE-TACOMA	51	39	55	34	45	-3	0.98	0.03	0.42	3.13	103	8.93	71	91	52	0	0	5	0
	SPOKANE	47	33	49	29	40	-1	0.53	0.11	0.23	1.74	131	5.57	117	88	44	0	3	3	0
	YAKIMA	53	30	57	25	42	-3	0.07	-0.06	0.04	0.91	188	2.96	119	82	37	0	4	2	0
WI	EAU CLAIRE	47	25	60	16	36	3	0.00	-0.48	0.00	0.91	72	1.66	49	66	32	0	7	0	0
	GREEN BAY	43	29	53	25	36	3	0.59	0.15	0.57	1.92	147	3.41	87	78	48	0	6	2	1
	LA CROSSE	50	27	64	22	38	1	0.41	-0.06	0.41	1.65	127	2.59	69	71	33	0	6	1	0
	MADISON	48	26	63	20	37	2	0.78	0.27	0.76	2.08	142	3.15	70	78	37	0	6	2	1
	MILWAUKEE	46	27	58	14	37	-1	1.10	0.61	0.66	2.37	163	4.07	82	87	51	0	5	2	1
WV	BECKLEY	61	33	79	26	47	4	0.41	-0.50	0.28	1.02	35	14.20	155	74	26	0	4	3	0
	CHARLESTON	67	35	85	28	51	5	0.53	-0.40	0.28	1.27	42	13.00	134	74	22	0	3	2	0
	ELKINS	62	30	81	22	46	5	0.57	-0.31	0.48	1.09	38	10.39	109	91	31	0	5	4	0
	HUNTINGTON	68	37	84	30	52	5	0.36	-0.59	0.24	0.73	24	11.36	119	71	27	0	2	2	0
WY	CASPER	49	23	61	14	36	-1	0.01	-0.19	0.01	0.92	166	1.72	106	85	32	0	7	1	0
	CHEYENNE	51	27	65	22	39	1	0.13	-0.09	0.07	0.59	94	1.69	112	66	23	0	6	2	0
	LANDER	47	24	58	16	36	-2	0.44	0.11	0.44	2.43	309	3.74	187	68	32	0	6	1	0
	SHERIDAN	48	24	61	11	36	-1	1.07	0.82	0.96	1.80	278	4.08	213	78	38	0	6	2	1

Based on 1991-2020 normals ***** Not Available**

International Weather and Crop Summary

March 16 - 22, 2025

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

HIGHLIGHTS

EUROPE: Additional moderate to heavy rain on the Iberian Peninsula exacerbated local flooding, while cooler weather replaced recent anomalous warmth in eastern crop areas.

WESTERN FSU: Somewhat cooler albeit still warmer-than-normal weather promoted winter crop green up and early vegetative development.

MIDDLE EAST: Widespread rain accompanied a slow-moving storm system, though unseasonable warmth lingered in central and eastern portions of the region.

NORTHWESTERN AFRICA: Additional drought-easing showers in Morocco contrasted with increasingly hot and dry weather farther east.

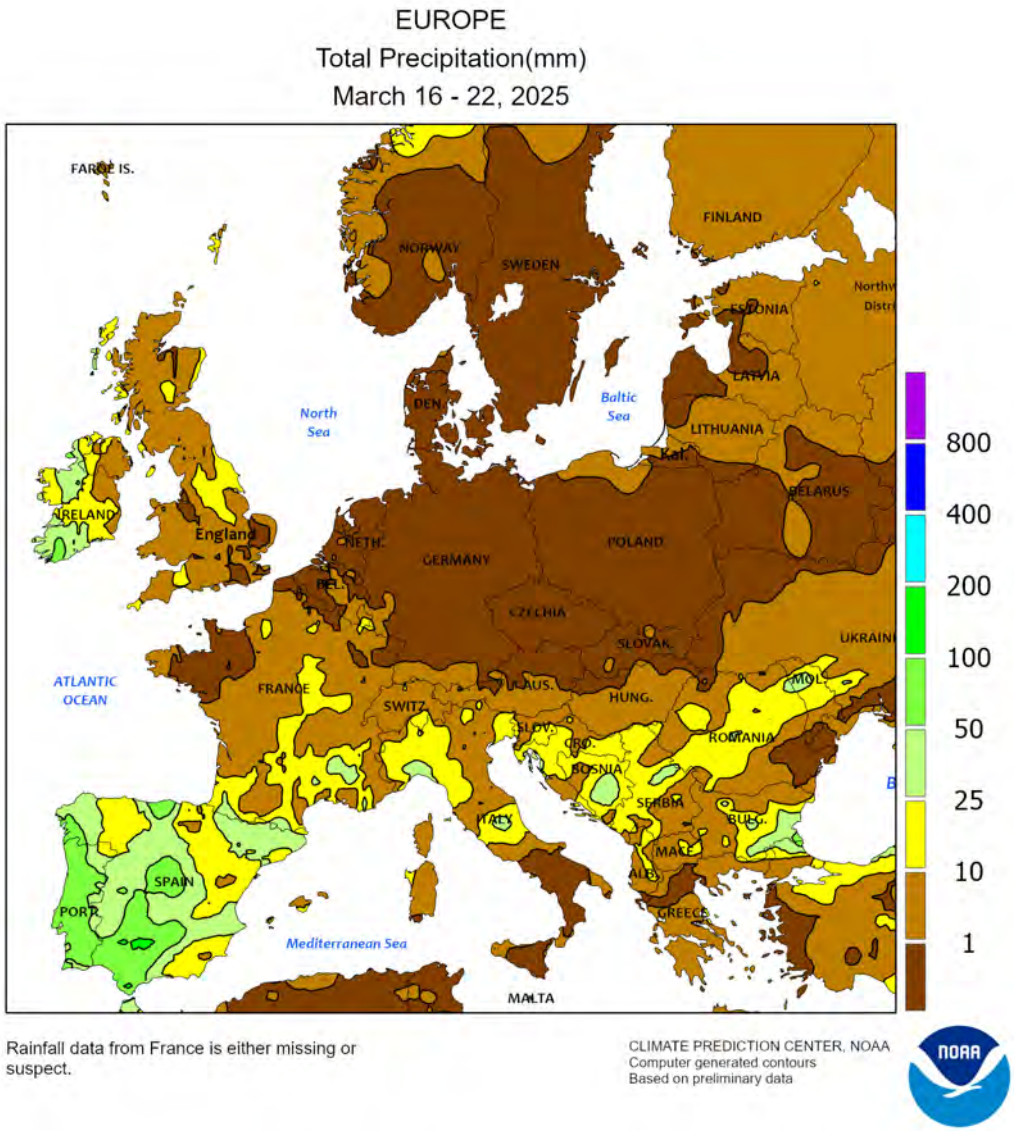
SOUTHEAST ASIA: Showery weather continued in the central and southern Philippines as well as across Malaysia and Indonesia.

AUSTRALIA: Drier weather in western growing areas contrasted with showers and thunderstorms farther east.

SOUTH AFRICA: Warm, mostly sunny weather maintained overall favorable conditions for filling to maturing summer crops.

ARGENTINA: Mostly dry weather and unseasonable warmth promoted crop development but at the expense of soil moisture for immature crops.

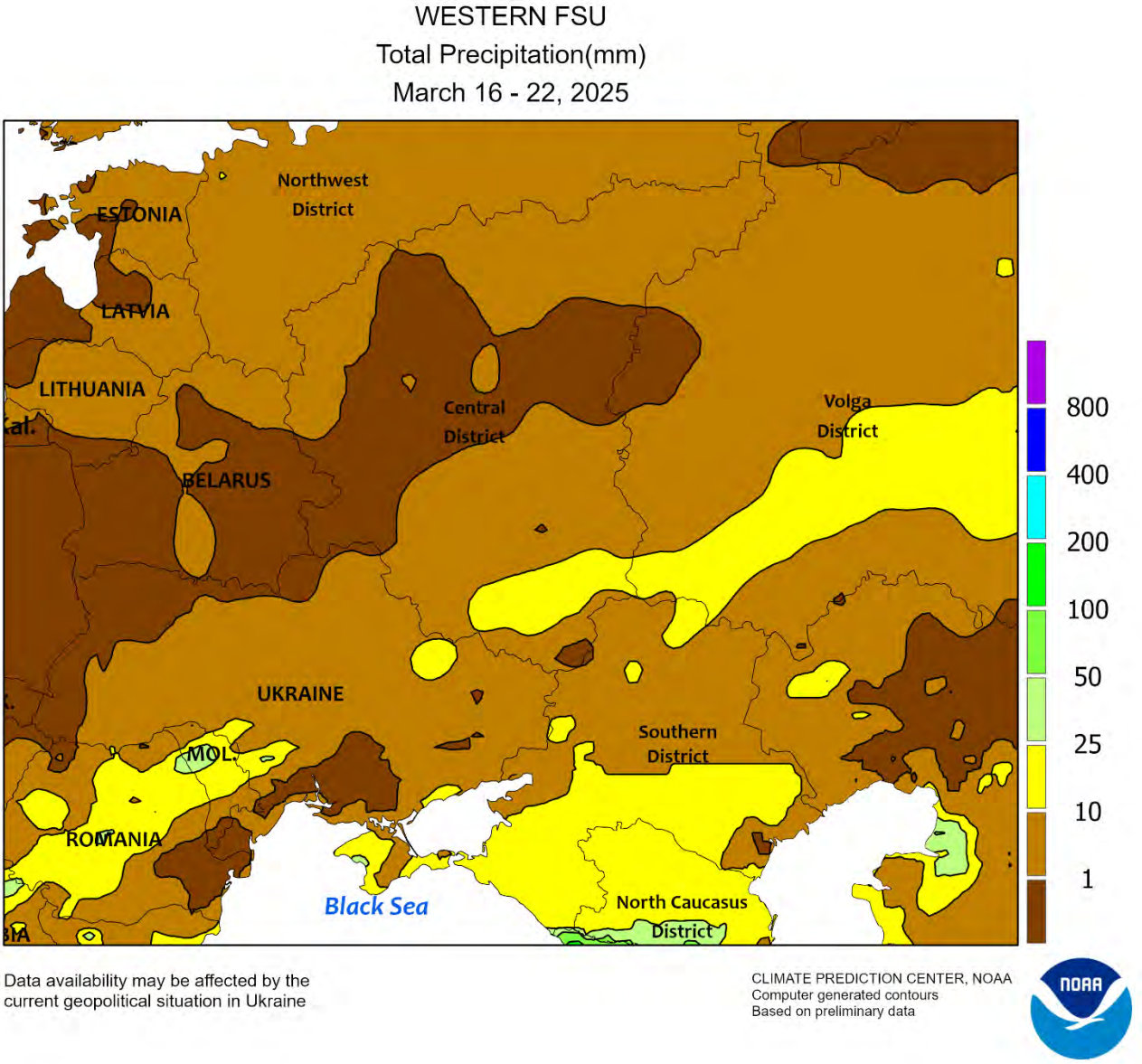
BRAZIL: Increasingly patchy showers limited moisture for second-crop corn and cotton in the Center-West.



EUROPE

A storm system west of the Iberian Peninsula drifted eastward, producing widespread, locally excessive showers across southern and western Europe. Rainfall totaled 25 to 275 mm over Portugal and Spain (heaviest in the south), with numerous reports of flooding in southern portions of the region courtesy of the European Severe Weather Database. Moderate to heavy rain (10-50 mm) was also denoted in central and southern France*, though northwestern portions of the country were mostly dry. Consequently, moisture supplies for vegetative winter crops remained favorable over much of western Europe, while reservoir levels for summer crop irrigation on the Iberian Peninsula continued to recover from multi-year drought following a second consecutive water year (September-August) with near- to above-normal precipitation. Lighter showers (5-30 mm) were reported from Italy into the Balkans, maintaining mostly favorable conditions for vegetative winter crops. Meanwhile, a broad area of high pressure provided mostly dry weather to much of northern and northeastern Europe, promoting fieldwork but reducing topsoil moisture for vegetative winter wheat, barley, and rapeseed. Near- to below-normal temperatures replaced recent anomalous warmth over eastern portions of the continent, while pockets of above-normal temperatures (1-3°C above normal) were reported from Germany and the Low Countries into Scandinavia and the Baltic States.

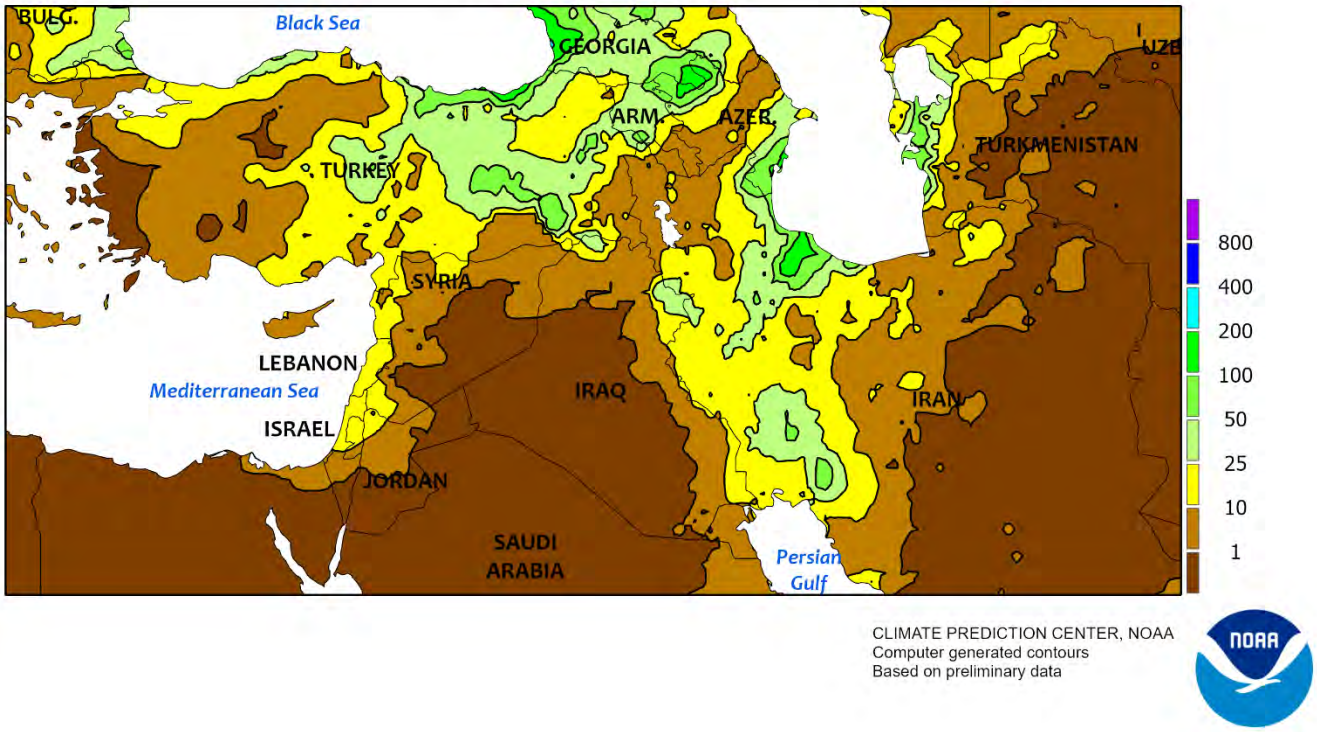
**Surface-based weather station data from France were either missing or suspect; radar and satellite data were used to augment the analysis.*



WESTERN FSU

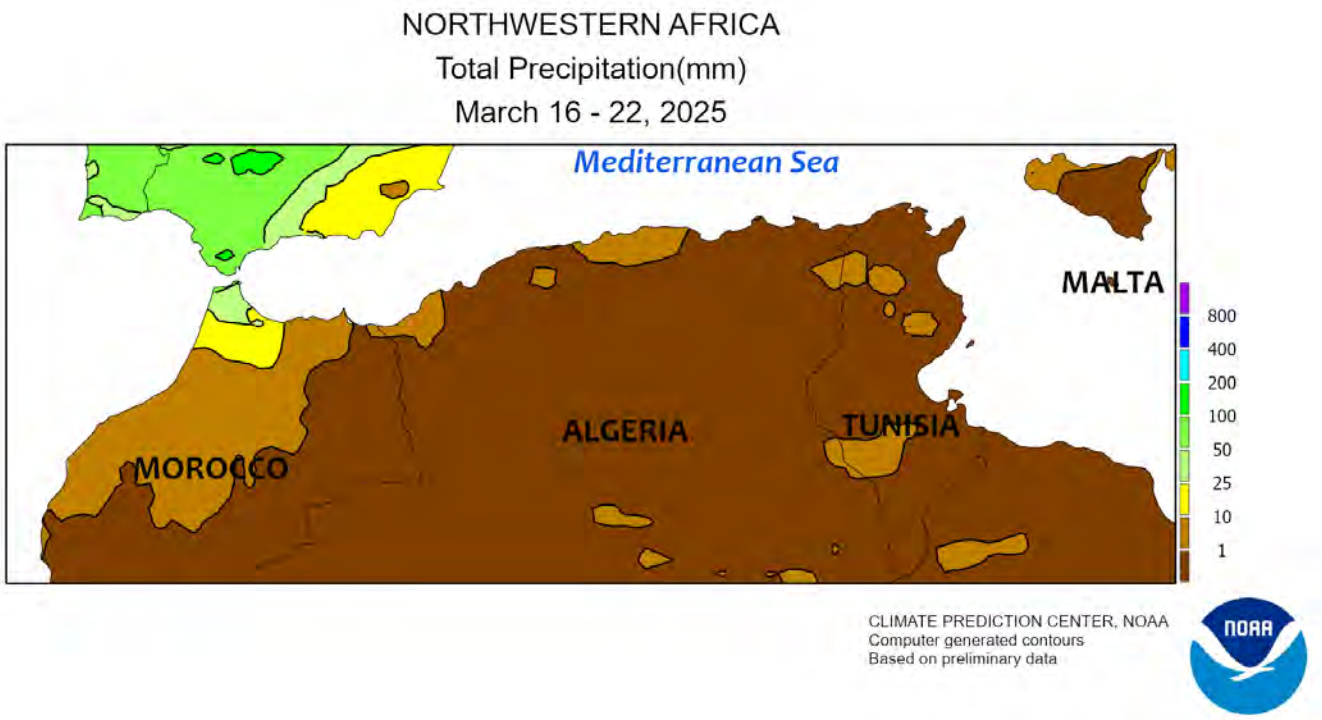
Temperature anomalies diminished from the previous week's unusually high levels, though warmer-than-normal weather continued. Following an extended period of double-digit temperature departures from normal, readings during the monitoring period were 2 to 6°C above normal in western Russia and 1 to 3°C above normal from Belarus southeastward into central and eastern Ukraine. Consequently, vegetative winter crops continued to develop ahead of normal, albeit at a somewhat slower pace than earlier in March. Showers were mostly light (2-15 mm) across key winter crop areas adjacent to the Black Sea Coast, although rainfall totals approached or topped 20 mm in Moldova, southern Russia's North Caucasus District, and from the southern Central District eastward. However, more rain will be needed over the upcoming weeks due to a very dry winter and start to the spring over most of the region.

MIDDLE EAST
Total Precipitation(mm)
March 16 - 22, 2025



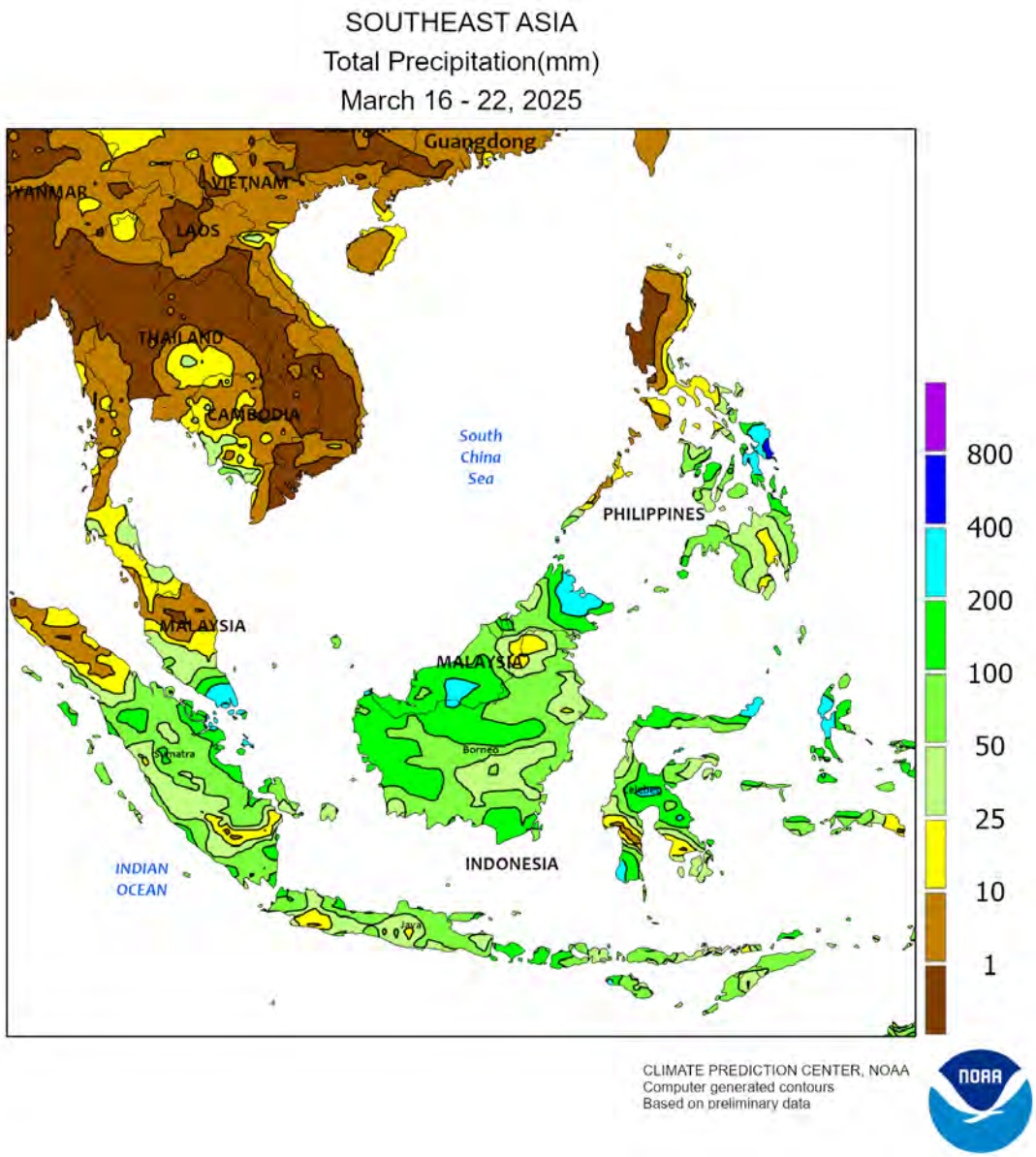
MIDDLE EAST

Widespread rain and above-normal temperatures prevailed over much of the region, though cooler weather returned to parts of Turkey. An upper-air low drifted southeastward from the Balkans before recurving northeastward toward the Caspian Sea. Rainfall totals ranged from 10 to 25 mm in northwestern Turkey's Thrace Region and across the Anatolian Plateau to more than 50 mm in eastern Turkey. Similarly, moderate to heavy rain (10-50 mm, locally more) was reported in northwestern Iran, eastern Iraq, and well as portions of the eastern Mediterranean Coast and environs. The rain improved moisture supplies for vegetative winter wheat and barley, though the satellite-derived Vegetation Health Index continued to depict varying levels of either poor crop establishment or crop stress across central and southeastern Turkey, Syria, northwestern Iraq (Ninawa), as well as northwestern and northeastern Iran. Unusual warmth developed ahead of the slow-moving storm, with temperatures during the monitoring period averaging 3 to 9°C above normal from Syria and eastern Turkey eastward. Conversely, pockets of cooler weather (up to 3°C below normal) trailed the storm system over central Turkey.



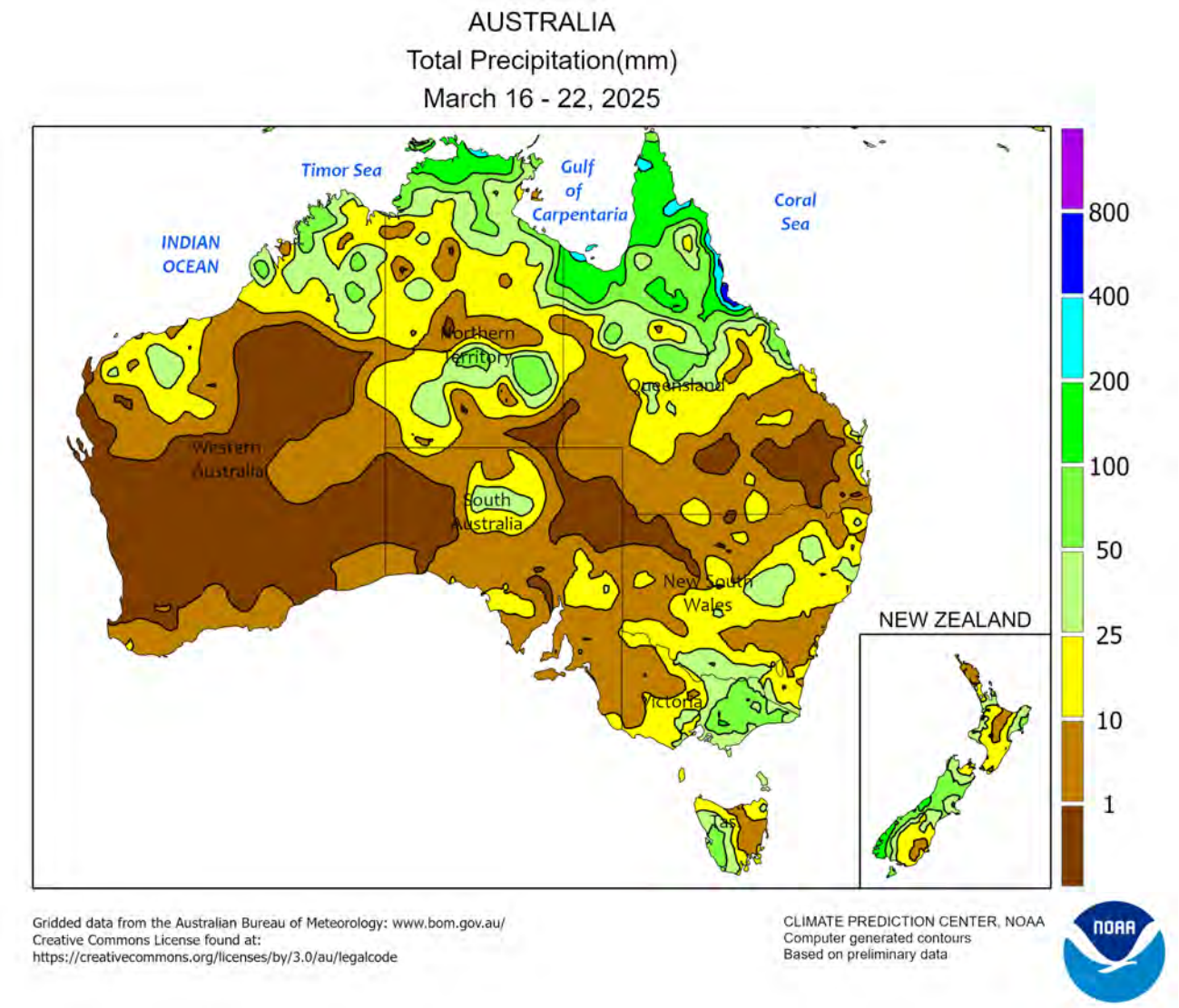
NORTHWESTERN AFRICA

The remarkable recovery from severe early-season drought in Morocco juxtaposed with increasingly dry and hot weather farther east. An upper-air low west of the Iberian Peninsula drifted eastward, producing additional light to moderate showers across much of Morocco (2-25 mm, locally more in the far north). The recent spell of rainy weather continued the pronounced drought recovery — which began in earnest in late February — as Moroccan winter grains progress through the reproductive stages of development. Season-to-date precipitation (since September 1) in Morocco's primary growing areas has jumped from less than 40 percent of normal at the end of January to more than 80 percent of normal as of March 22. Mostly dry weather prevailed across Algeria and Tunisia, with acute short-term dryness (30-day rainfall less than 50 percent of normal) reducing topsoil moisture for reproductive wheat and barley following a favorable start to the 2024-25 Water Year. Furthermore, unusually warm weather (3-6°C above normal, maxima reaching the lower 30s degrees C) accelerated crops through the moisture-sensitive flowering stage of development and increased evapotranspiration rates.



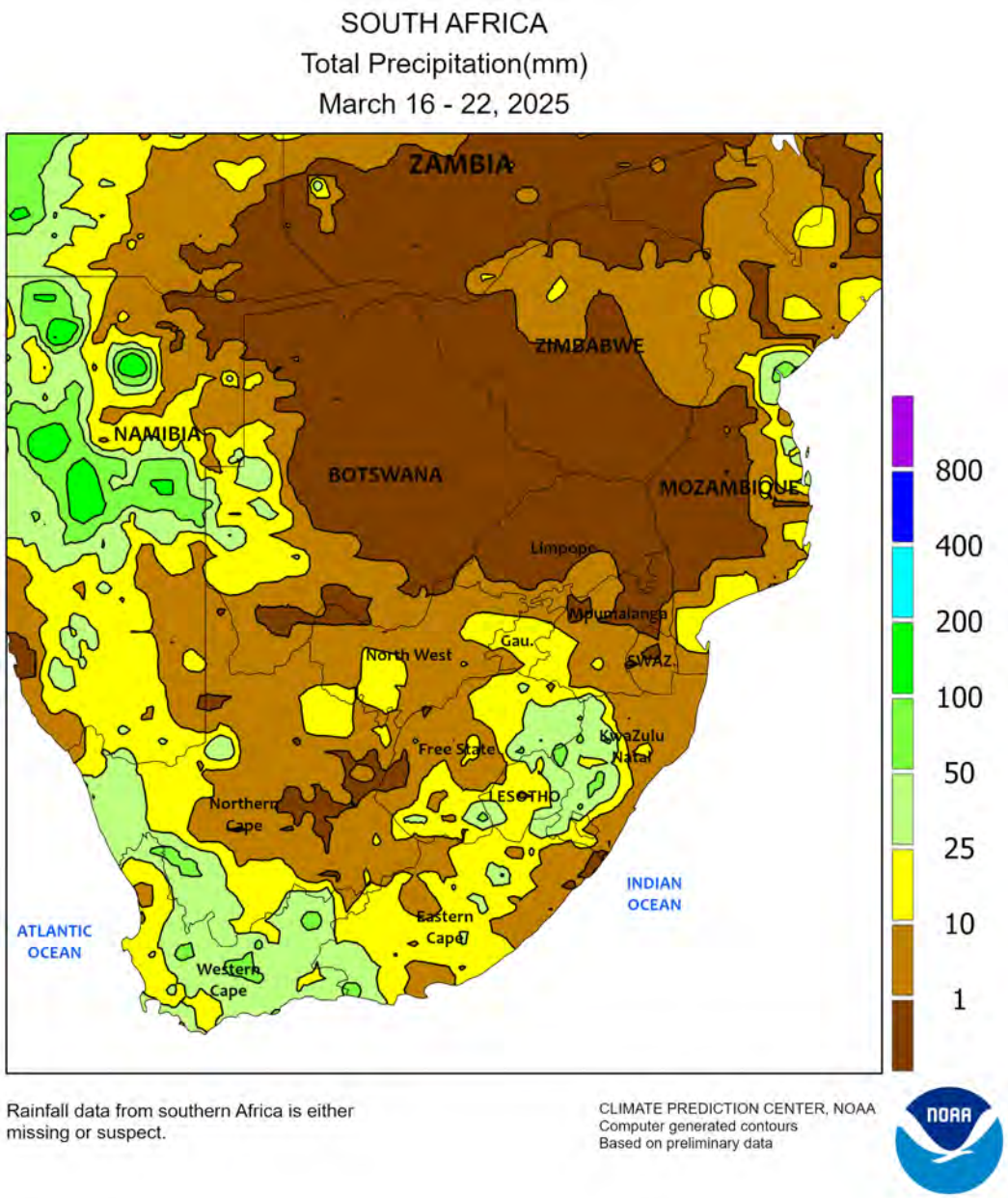
SOUTHEAST ASIA

Excessive rainfall shifted southward in the Philippines, with the highest totals (eclipsing 200 mm) occurring in the eastern Visayas and into nearby portions of Mindanao. The wet weather was unfavorable as most seasonal rice and corn are maturing at this point in the growing campaign. Meanwhile, widespread showers (25-100 mm or more) continued in Malaysia and Indonesia, sustaining ample soil moisture for oil palm. However, the precipitation was more unwelcome in Java, Indonesia, where first-crop rice harvesting was progressing and second-crop rice sowing was underway; Java's wet season (peaking around February 1) was characterized by sustained above-average rainfall, far superior to last year's lackluster performance. Elsewhere, after a bout of early-season heat in Thailand and environs, temperatures moderated a bit into the lower 30s degrees C. Indochina's wet season typically begins in early May and is prefaced by heat.



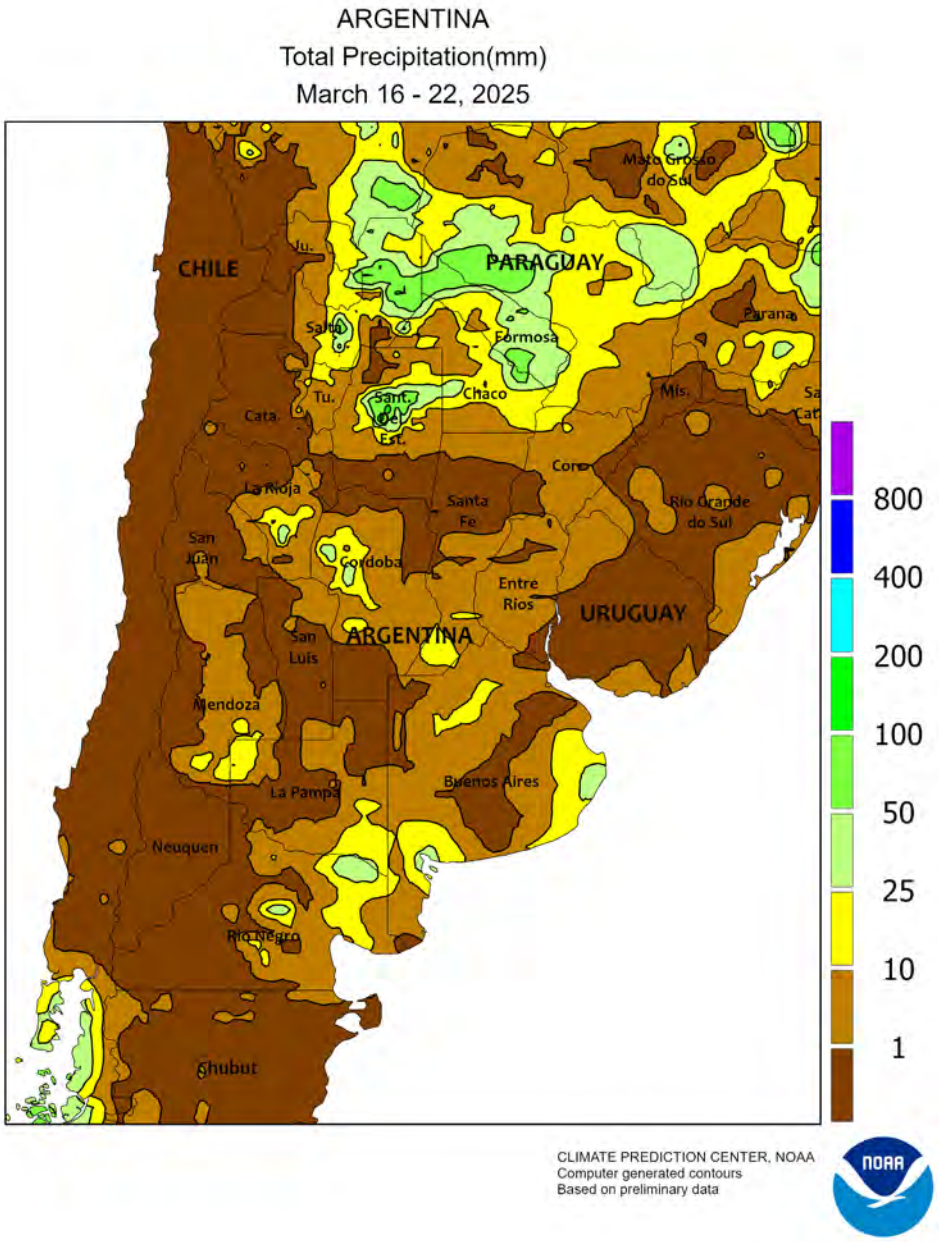
AUSTRALIA

Drier weather in the west contrasted with widespread showers in eastern portions of Australia. After the preceding week's moderate to heavy rain in Western Australia, sunny skies favored seasonal fieldwork and farm maintenance activities. Conversely, highly variable but locally heavy rain (2-50 mm, locally more) across Victoria and New South Wales slowed summer crop harvesting but conditioned soils for upcoming winter grain planting in April and May. Cooler weather prevailed across much of the country, though temperatures still averaged 1 to 3°C above normal in New South Wales and southern Queensland.



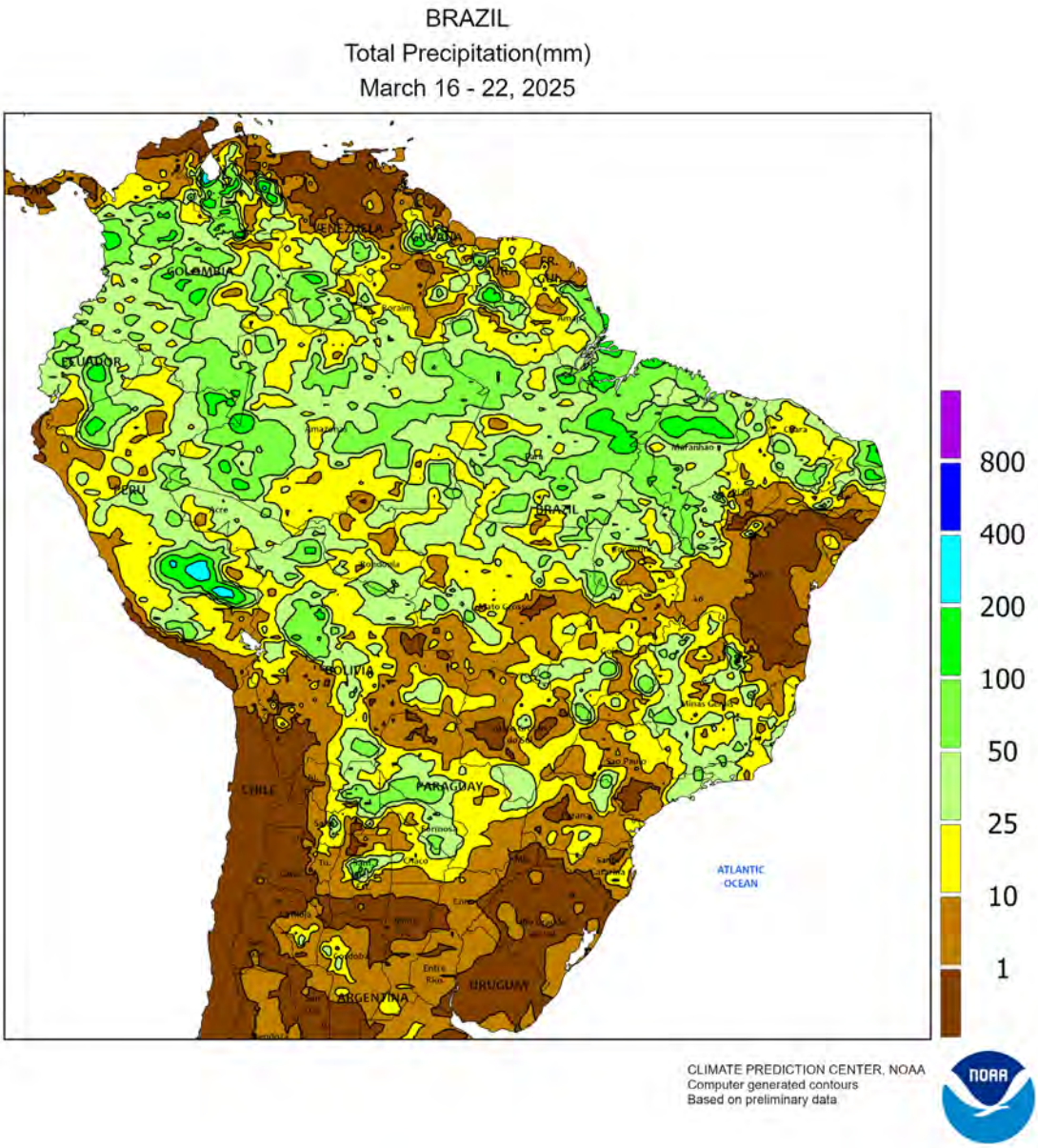
SOUTH AFRICA

Warm, mostly sunny weather promoted development of maturing summer crops. Weekly temperatures averaged near to below normal. Apart from the Cape Provinces where highs ranged from lower 30s to the lower 40s degrees C, daytime highs ranged from the upper 20s to lower 30s degrees C for most of the country. Most of the Maize Triangle remained mostly dry, receiving less than 10 mm of rainfall, except for Gauteng, Free State, and KwaZulu-Natal (amounts totaling 10-50 mm). Farther west, moderate rainfall (10-50 mm) in Western Cape helped to replenish soil moisture for the upcoming wheat crop.



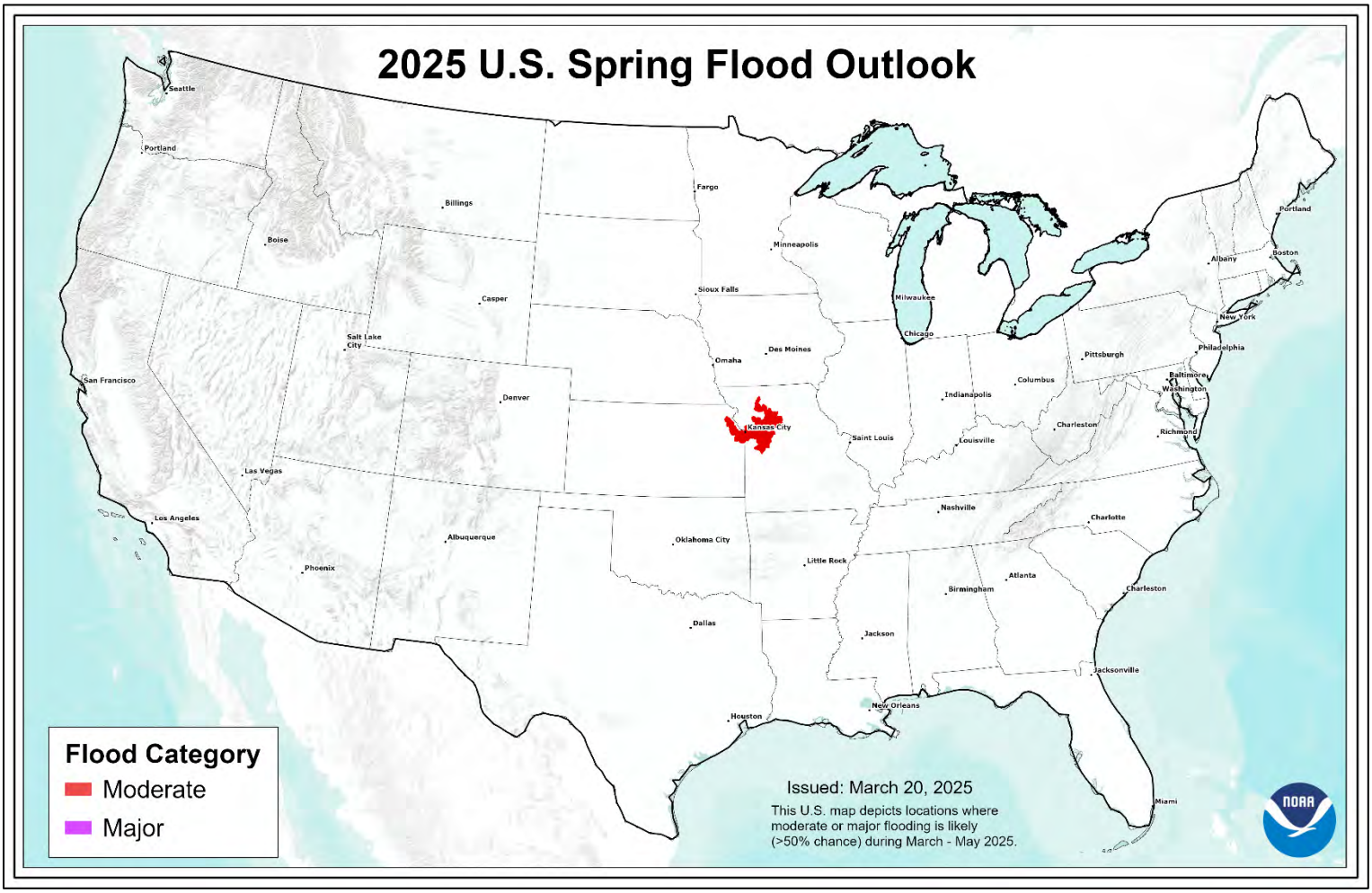
ARGENTINA

Showers were generally light across much of the country with the exception of northern states and portions of Buenos Aires. The drier weather aided maturation and harvesting of summer crops (39 percent of sunflowers were harvested and 9 percent of corn). Nevertheless, the rainfall (10-50 mm) in southern Buenos Aires and neighboring portions of La Pampa helped support the large proportion of immature corn. Additionally, the heavy showers (25-75 mm) in the north benefited cotton, although drier weather would soon be welcome as bolls begin to open. Furthermore, most of the country experienced above-average temperatures (1-4°C above average), with daytime temperatures in the lower 30s degrees C (reaching the upper 30s to the north) promoting crop development but at the expense of soil moisture.



BRAZIL

Rainfall was becoming increasingly patchy across the major growing areas in the Center-West and south. Most municipalities recorded below 25 mm, with dry pockets scattered from Mato Grosso to Paraná and near total dryness in Rio Grande do Sul. While the limited rain was welcome across the Center-West, supporting second-crop corn and cotton, totals since February 1 have been below average and only slightly better compared to last year; second-crop yields are highly dependent on seasonal showers lingering into April. The dryness in Rio Grande do Sul supported maturation and harvesting of soybeans (33 and 5 percent, respectively), however more rain would be welcome for the majority of the crop still in the grain fill stage (48 percent).



The 2025 national hydrologic assessment, issued on March 20 by the National Oceanic and Atmospheric Administration, evaluated current factors such as snowpack, drought, soil moisture, frost depth, streamflow, and precipitation. Many areas of the country have received below-average precipitation in recent months, contributing to an overall low risk of significant spring flooding. However, outside the scope of the hydrologic assessment, episodic or localized heavy rainfall events could still lead to flooding.

The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. The contents may be redistributed freely with proper credit.

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