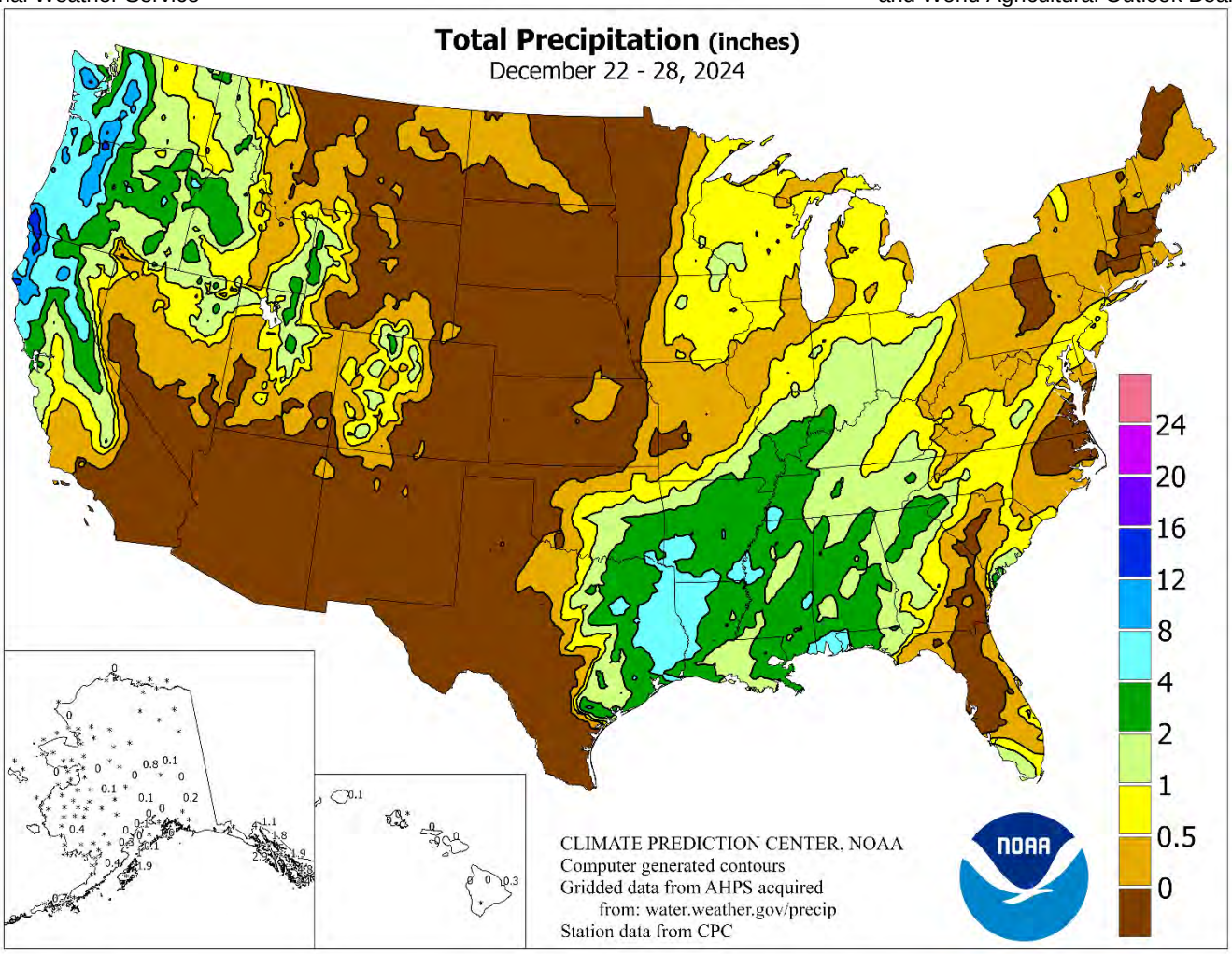
Volume 111, No. 53 www.usda.gov/oce/weather-drought-monitor December 31, 2024

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

December 22 – 28, 2024

Highlights provided by USDA/WAOB

An ongoing **Pacific** storm train kept active weather in place across **northern California** and the **Northwest**, with the average water equivalency of the **Sierra Nevada** snowpack increasing to 10.5 inches, about 115 percent of the late-December average, according to the California Department of Resources. However, the **Sierra Nevada** also served as the dividing line between wet conditions in the **Northwest** and warm, dry weather in the **Southwest**, with the average snow-water equivalency ranging from

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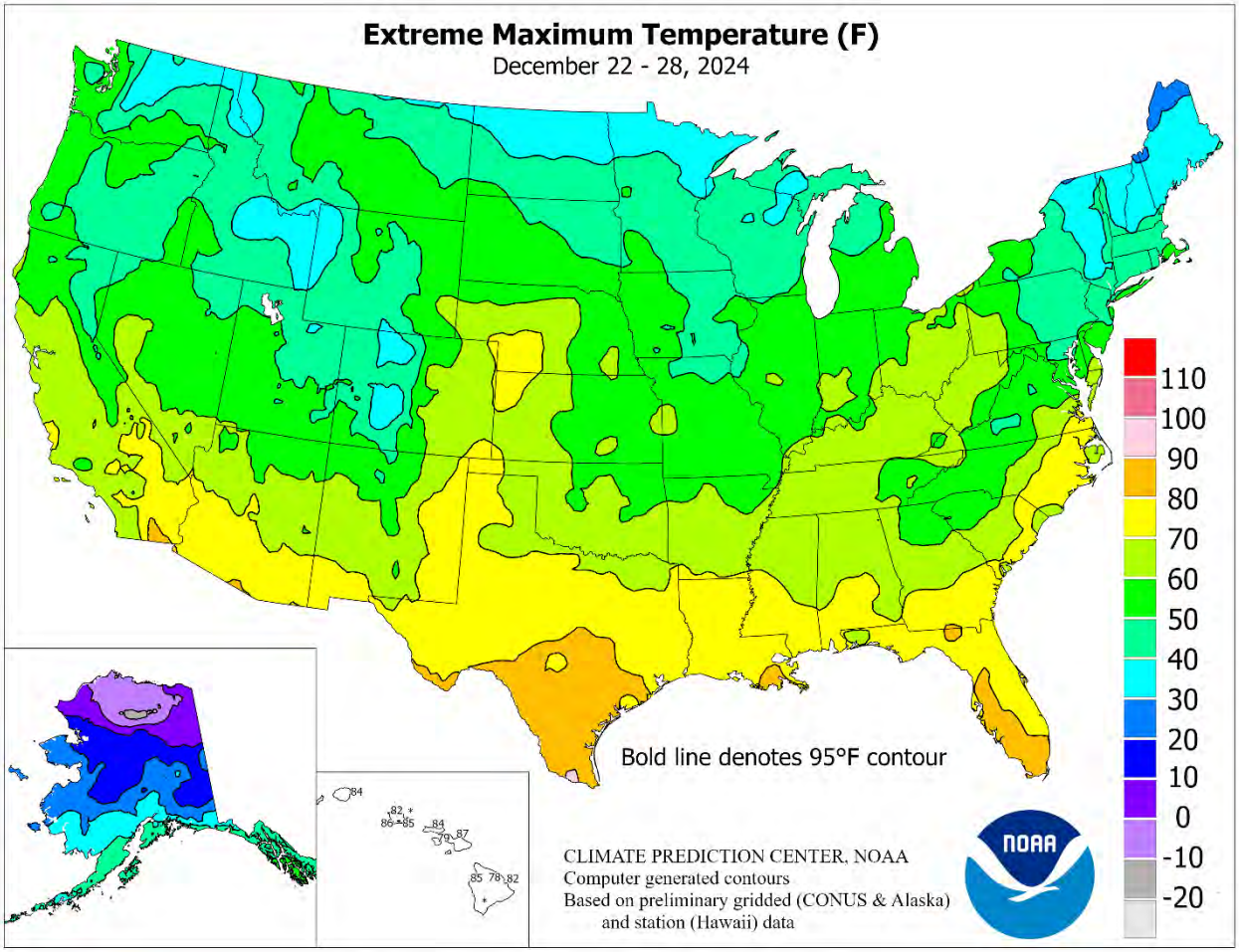
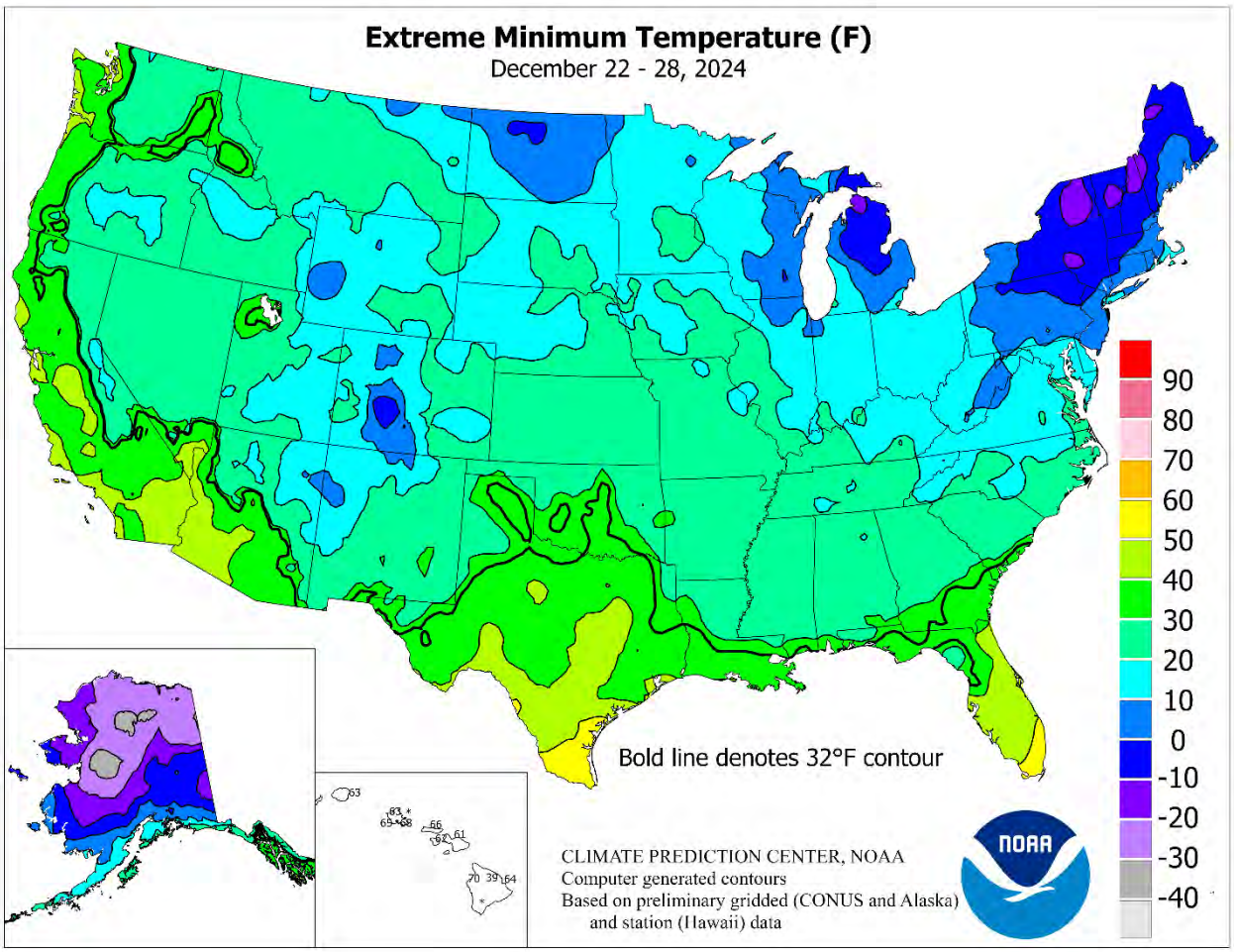
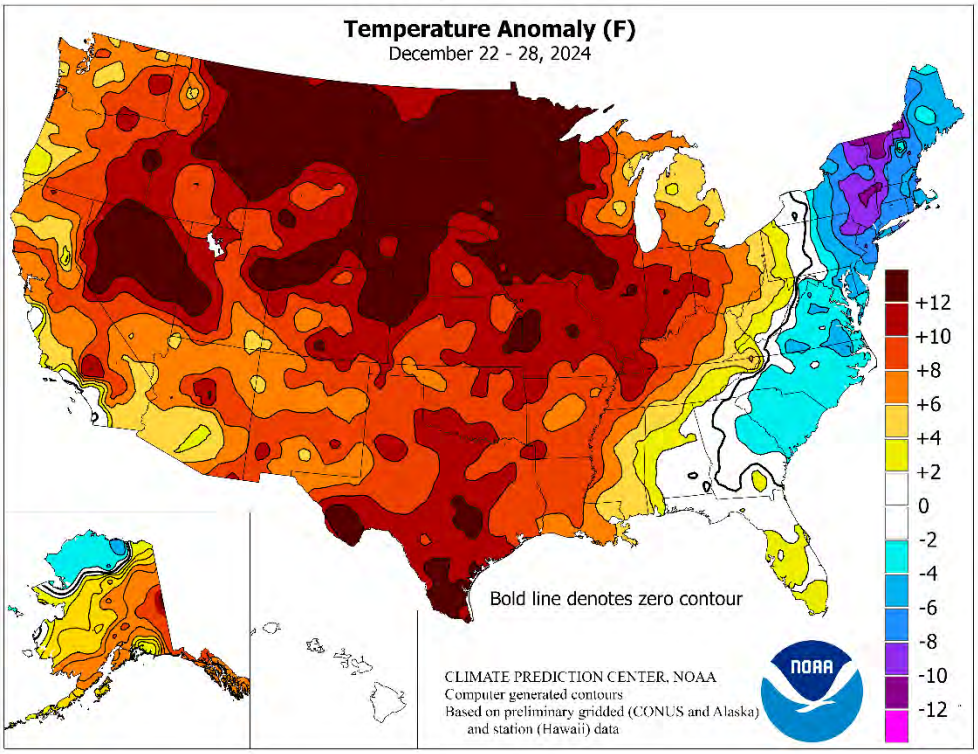

Extreme Maximum Temperature (F)
December 22 - 28, 2024
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS & Alaska)
and station (Hawaii) data
NOAA


Extreme Minimum Temperature (F)
December 22 - 28, 2024
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)

about 6 inches (less than 60 percent of normal) in the south to 16 inches (more than 165 percent) in the north. Meanwhile on the **Plains**, mild, dry weather favored overwintering wheat, despite the lack of a protective snow cover. However, pockets of drought continued to adversely affect a portion of the **Plains'** winter wheat, especially in areas where a lack of autumn moisture hampered crop emergence and establishment. Farther east, several rounds of showers and thunderstorms swept across areas from **eastern Texas into the mid-South, lower Midwest, and Southeast**. Wintry precipitation, such as snow and freezing rain, was scarce and limited to parts of the **Corn Belt** and **Northeast**. From December 26-29, back-to-back outbreaks of severe weather from **eastern Texas into Southeast** spawned several dozen tornadoes and resulted in numerous reports of wind damage. Concurrently, much of the country basked in winter warmth, although chilly conditions lingered along and near the **Atlantic Coast**. Weekly temperatures averaged 10 to 20°F above normal in a vast area stretching from the **northern Great Basin to the northern and central Rockies**, then eastward across large sections of the **Plains** and **Midwest**. A separate area of record-setting warmth covered the **western Gulf Coast region**. In contrast, significantly below-normal temperatures prevailed in the **Atlantic Coast States**, from **Georgia northward**. Weekly readings averaged at least 10°F below normal in parts of **New England** and **eastern New York**.



Consistent warmth nearly nationwide kept snow cover at a minimum, except across the na**tion's northern tier** and higher elevations of the **western U.S.** At daybreak on December 25, barely one-quarter (26 percent) of the **Lower 48 States** had snow on the ground, with that value falling to 19 percent just 4 days later. As the week began, however, frigid air gripped the **Great Lakes and Northeastern States**, with **Gaylord, MI**, posting a daily-record low of -21°F on December 22. The following day, record-setting lows for December 23 in **Pennsylvania** included -9°F in **Mount Pocono** and -2°F in **Scranton**. Farther west, warm weather spanned most areas from the **Pacific Coast to the Plains**. December 22 featured daily-record highs in **Nebraska** locations such as **McCook** (73°F) and **North Platte** (71°F). On the same date, **Nogales, AZ**, notched a daily-record high of 80°F. On December 23 in **California**, daily-record highs surged to 78°F in **Campo** and 74°F in **San Jose**. **Arizona** also remained quite warm, with record-setting highs for December 24 soaring to 79°F in **Tucson** and 78°F in **Douglas**. During the second half of the week, warmth intensified across the **western Gulf Coast region**. In **Deep South Texas**, **McAllen** (89 and 91°F, respectively) and **Brownsville** (85 and 90°F) both logged daily-record highs on December 26 and 28. Other daily-record highs in **Texas** on the 28th included 87°F in **Corpus Christi**, 85°F in **Victoria**, and 83°F in **San Antonio**. Late-week warmth also spread across the **Plains** and **Midwest**, with daily-record highs occurring on December 27 in locations such as **Pierre, SD** (54°F), and **Ashland, WI** (45°F). The next day, record-setting highs for the 28th reached 48°F in **St. Cloud, MN**, and 51°F in **Sisseton, SD**.

The week's first significant rounds of precipitation developed on Christmas Eve across the **mid-South** and **Northwest**, respectively. Record-setting totals for December 24 included 1.96 inches in **Fort Smith, AR**, and 0.92 inch in **Klamath Falls, OR**. For the week, **Fort Smith** measured 3.11 inches of rain—2.07 inches on December 23-24 and 1.04 inches from December 26-28. Rainfall totals for December 22-28 topped the 4-inch mark in several **Southern** locations, including **Memphis, TN** (6.03 inches); **Mobile, AL** (5.90 inches); **El Dorado, AR** (5.78 inches); and **Tyler, TX** (4.51 inches). All those cities reported at least one daily-record sum, with **Memphis** measuring 4.44 inches on the 28th; **Mobile** collecting 3.47 inches on the 27th; **El Dorado** enduring 3.11 inches on the 28th; and **Tyler** tallying 2.51 inches on the 28th. Meanwhile in the **Northwest**, it was the wettest Christmas Day on record in several communities, including **Pendleton, OR** (0.57 inch), and **Ephrata, WA** (0.56 inch). Rainfall records for December 25 were also set in **Texas** locations such as **Palacios** (1.16 inches) and **Victoria** (0.83 inch). Farther north, snow cover **east of the Rockies** on Christmas morning was limited to the **North**, with depths of 4 inches in **Grand Forks, ND**; 3 inches in **Minneapolis-St. Paul, MN**; 2 inches in **La Crosse, Madison, and Wausau, WI**; and 1 inch in **Lansing, MI**. In the **Northeast**, depths on the morning of the 25th included 3 inches in **Burlington, VT**, and 2 inches in **Concord, NH**, and **Buffalo, NY**. Double-digit snow depths on December 25 were limited to a few **Northern** locations, including **International Falls, MN** (10 inches), and **Sault Ste. Marie, MI** (17 inches). Fresh snow fell on December 24 in parts of the **Northeast**, with daily amounts in **Maine**—not records for the date—totaling 3.9 inches in **Bangor** and 2.0 inches in **Caribou**. Elsewhere, lingering **Northwestern** storminess resulted in several additional daily precipitation records, with totals reaching 0.67 inch (on the 26th) in **Omak, WA**: 0.58 inch (on the 28th) in **Burley, ID**; and 0.45 inch (on the 27th) in **Redmond, OR**.

Frigid air settled across **northern Alaska**, while much of the remainder of the state experienced above-normal weekly temperatures. In **southeastern Alaska**, **Yakutat** posted a pair of daily-record highs (49 and 47°F, respectively) on December 21-22. **Southeastern Alaska** also experienced seasonably stormy weather, with frequent precipitation and occasional high winds. **Ketchikan** received more than an inch of rain on December 22, 25, and 27, while Sitka clocked an easterly wind gust to 56 mph on the 22nd. Farther south, **Hawaii** remained locked into a dry pattern, with temperatures rising to record-high levels. Daily-record highs included 87°F (on the 26th) in **Kahului, Maui**; 85°F (on the 28th) in **Honolulu, Oahu**; and 84°F (on the 27th) in **Lihue, Kauai**. **Honolulu** was even warmer (with highs of 86°F), but did not achieve daily records, on December 24 and 25, while **Kahului** logged a non-record high of 88°F on December 24. Through December 28, month-to-date rainfall at **Hawaii's** major airport observation sites ranged from 0.08 inch (4 percent of normal) in **Honolulu** to 2.29 inches (21 percent) in **Hilo**, on the **Big Island**.

National Weather Data for Selected Cities

Weather Data for the Week Ending December 28, 2024

Accessible Data Available from the Climate Prediction Center

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 DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	31	24	39	14	27	9	0.05	-0.19	0.05	0.69	64	21.56	131	93	75	0	7	1	0
	BARROW	-8	-16	-2	-26	-12	0	0.00	-0.04	0.00	0.00	0	0.02	0	82	71	0	7	0	0
	FAIRBANKS	12	-2	22	-9	5	12	0.08	-0.05	0.08	0.87	170	18.96	163	79	69	0	7	1	0
	JUNEAU	43	36	47	33	40	10	1.79	0.44	0.35	8.60	144	77.58	116	95	75	0	0	7	0
	KODIAK	39	31	43	25	35	4	1.93	-0.09	1.14	13.04	164	84.31	108	98	82	0	4	4	2
	NOME	16	7	30	-7	12	5	0.00	-0.22	0.00	0.67	70	25.32	147	66	51	0	7	0	0
AL	BIRMINGHAM	58	40	66	23	49	3	0.89	-0.24	0.50	4.01	91	50.93	90	83	49	0	2	3	1
	HUNTSVILLE	57	39	63	24	48	4	1.83	0.57	1.24	4.43	82	53.61	99	85	46	0	3	2	2
	MOBILE	65	46	73	30	56	4	6.12	4.74	3.45	8.91	183	67.09	100	93	61	0	1	3	2
	MONTGOMERY	60	38	73	25	49	0	1.00	-0.21	0.57	3.93	87	50.79	99	94	53	0	4	3	1
AR	FORT SMITH	56	46	65	31	51	10	3.02	2.24	1.95	4.49	141	57.23	121	94	73	0	1	5	2
	LITTLE ROCK	56	44	62	27	50	8	3.62	2.52	1.46	6.51	140	58.50	116	93	69	0	1	4	3
AZ	FLAGSTAFF	55	22	61	20	38	9	0.00	-0.46	0.00	0.00	0	20.31	99	76	27	0	7	0	0
	PHOENIX	72	49	78	45	60	6	0.00	-0.17	0.00	0.00	0	4.43	61	45	18	0	0	0	0
	PRESCOTT	60	31	66	28	46	8	0.00	-0.24	0.00	0.00	0	11.36	88	65	26	0	5	0	0
	TUCSON	73	43	80	37	58	6	0.00	-0.21	0.00	0.00	0	13.36	126	38	15	0	0	0	0
CA	BAKERSFIELD	62	46	69	41	54	6	0.55	0.26	0.51	0.66	67	7.19	114	95	61	0	0	2	1
	EUREKA	58	48	63	40	53	6	5.06	3.23	1.57	9.12	123	51.53	129	99	71	0	0	7	4
	FRESNO	60	46	69	41	53	6	0.73	0.24	0.33	1.00	62	11.93	110	96	66	0	0	4	0
	LOS ANGELES	62	51	65	49	56	-1	0.01	-0.60	0.01	0.01	0	15.40	127	95	63	0	0	1	0
	REDDING	55	47	60	37	51	5	3.48	2.04	1.21	7.93	138	39.77	120	93	78	0	0	6	4
	SACRAMENTO	59	48	64	39	54	7	1.15	0.33	0.42	3.92	126	19.80	110	96	74	0	0	6	0
	SAN DIEGO	64	51	66	48	58	0	0.00	-0.42	0.00	0.01	0	11.07	114	93	65	0	0	0	0
	SAN FRANCISCO	61	53	65	46	57	6	1.39	0.42	0.54	4.61	123	23.09	119	96	76	0	0	6	1
	STOCKTON	61	48	66	39	55	8	0.95	0.36	0.40	2.38	109	15.02	113	97	68	0	0	5	0
CO	ALAMOSA	46	11	52	5	29	13	0.00	-0.07	0.00	0.14	43	11.18	151	89	34	0	7	0	0
	CO SPRINGS	52	27	63	23	39	8	0.00	-0.05	0.00	0.27	128	19.57	123	73	28	0	6	0	0
	DENVER INTL	52	31	65	22	42	11	0.00	-0.08	0.00	0.00	0	15.54	107	68	31	0	5	0	0
	GRAND JUNCTION	46	30	52	23	38	12	0.28	0.15	0.18	0.28	52	9.73	107	83	55	0	5	3	0
	PUEBLO	57	24	70	19	40	9	0.04	-0.02	0.04	0.16	60	15.24	126	84	27	0	7	1	0
CT	BRIDGEPORT	36	20	45	9	28	-7	0.38	-0.47	0.36	4.33	119	46.63	106	81	54	0	6	2	0
	HARTFORD	35	17	46	5	26	-4	0.12	-0.74	0.08	3.73	100	47.57	101	83	49	0	7	2	0
DC	WASHINGTON	43	31	53	21	37	-2	0.64	-0.08	0.50	2.61	83	36.79	88	78	53	0	3	3	1
DE	WILMINGTON	39	23	49	9	31	-5	0.80	-0.01	0.63	3.07	86	44.17	97	82	55	0	6	3	1
FL	DAYTONA BEACH	69	54	75	45	62	1	0.50	-0.07	0.50	2.24	106	64.30	125	99	77	0	0	1	1
	JACKSONVILLE	64	48	78	36	56	1	0.10	-0.53	0.09	1.09	43	66.39	124	96	71	0	0	2	0
	KEY WEST	76	69	80	61	73	1	1.84	1.38	1.46	2.19	111	50.19	124	95	75	0	0	2	1
	MIAMI	79	66	81	55	73	2	0.01	-0.48	0.01	0.51	22	70.95	105	88	59	0	0	1	0
	ORLANDO	73	55	81	46	64	3	0.00	-0.56	0.00	0.69	30	40.70	79	99	62	0	0	0	0
	PENSACOLA	64	47	71	33	56	1	2.33	1.11	1.57	4.08	83	65.85	96	85	57	0	0	3	1
	TALLAHASSEE	65	46	77	31	55	2	0.08	-0.90	0.08	0.59	15	65.02	111	89	58	0	1	1	0
	TAMPA	75	56	80	46	66	3	0.00	-0.63	0.00	0.08	3	83.20	168	95	59	0	0	0	0
	WEST PALM BEACH	77	62	79	53	69	2	0.60	-0.20	0.42	1.14	35	67.74	110	100	65	0	0	2	0
GA	ATHENS	52	33	59	24	42	-3	0.31	-0.77	0.27	3.39	85	53.42	110	86	51	0	4	2	0
	ATLANTA	55	38	60	30	46	0	1.00	-0.11	0.47	3.17	77	64.46	128	78	50	0	3	3	0
	AUGUSTA	53	34	61	23	44	-5	0.10	-0.87	0.07	1.22	35	48.07	111	91	49	0	4	2	0
	COLUMBUS	58	40	68	31	49	0	0.17	-0.98	0.15	4.26	98	59.91	131	85	52	0	2	2	0
	MACON	56	35	65	24	46	-3	0.00	-1.12	0.00	1.94	47	48.65	104	96	52	0	4	0	0
	SAVANNAH	59	42	74	34	51	-1	1.32	0.60	1.26	1.81	62	58.53	122	93	57	0	0	4	1
HI	HILO	82	67	82	64	74	2	0.34	-2.03	0.20	2.33	21	96.87	80	94	60	0	0	3	0
	HONOLULU	84	70	85	68	77	2	0.00	-0.55	0.00	0.21	10	11.73	72	82	52	0	0	0	0
	KAHULUI	84	66	87	61	75	1	0.00	-0.68	0.00	0.44	17	11.26	70	86	54	0	0	0	0
	LIHUE	82	68	84	63	74	1	0.10	-0.94	0.10	1.21	28	33.00	91	99	67	0	0	1	0
IA	BURLINGTON	44	34	49	23	39	12	0.40	0.02	0.40	0.82	51	35.74	94	96	81	0	3	1	0
	CEDAR RAPIDS	42	34	52	22	38	15	0.57	0.25	0.57	0.58	39	34.02	94	96	81	0	3	1	1
	DES MOINES	43	32	48	20	38	13	0.59	0.26	0.58	1.18	80	39.31	107	96	78	0	4	2	1
	DUBUQUE	40	29	51	16	35	13	0.69	0.33	0.67	1.27	76	36.74	96	93	80	0	5	3	1
	SIOUX CITY	42	26	53	20	34	13	0.19	-0.03	0.19	0.30	33	32.55	111	94	74	0	6	1	0
	WATERLOO	41	33	46	23	37	14	0.91	0.60	0.89	1.55	116	40.15	110	90	78	0	4	3	1
ID	BOISE	47	35	56	30	41	10	1.49	1.14	0.45	2.40	173	15.00	131	94	61	0	2	5	0
	LEWISTON	48	38	54	32	43	9	0.80	0.54	0.38	1.70	166	11.81	92	96	56	0	1	6	0
	POCATELLO	41	30	44	26	35	11	0.80	0.56	0.31	1.94	190	14.47	123	93	70	0	6	5	0
IL	CHICAGO/O_HARE	43	33	52	14	38	10	0.33	-0.11	0.28	1.09	57	35.45	93	91	70	0	4	2	0
	MOLINE	45	35	52	23	40	14	0.26	-0.18	0.26	1.61	86	33.15	86	91	74	0	1	1	0
	PEORIA	46	36	55	21	41	13	0.47	-0.03	0.40	1.63	81	33.88	90	93	75	0	3	3	0
	ROCKFORD	42	30	52	5	36	11	0.45	0.06	0.44	1.38	78	36.06	97	89	70	0	4	2	0
	SPRINGFIELD	48	35	60	22	42	11	0.00	-0.48	0.00	0.09	4	22.72	60	95	74	0	2	0	0
IN	EVANSVILLE	52	41	60	21	47	11	2.41	1.58	1.19	6.24	182	48.83	102	92	62	0	2	6	2
	FORT WAYNE	44	33	56	16	38	10	0.34	-0.23	0.19	2.39	107	34.93	88	89	72	0	2	4	0
	INDIANAPOLIS	48	37	60	20	42	12	0.78	0.08	0.26	3.35	128	42.89	98	93	69	0	2	4	0
	SOUTH BEND	43	32	53	16	37	10	0.17	-0.39	0.11	1.24	57	40.81	104	91	69	0	4	3	0
KS	CONCORDIA	48	33	59	27	41	11	0.13	-0.09	0.13	1.44	150	24.78	88	97	73	0	3	1	0
	DODGE CITY	52	31	62	25	42	9	0.00	-0.24	0.00	0.00	0	32.22	146	98	60	0	5	0	0
	GOODLAND	54	30	73	25	42	12	0.04	-0.07	0.03	0.04	10	15.49	82	83	48	0	6	2	0
	TOPEKA	48	31	55	22	40	8	0.11	-0.18	0.10	0.39	28	27.33	74	94	70	0	4	2	0

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

Weather Data for the Week Ending December 28, 2024

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 DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	53	33	59	25	43	10	0.01	-0.24	0.01	0.03	2	31.65	92	94	63	0	3	1	0
KY	LEXINGTON	52	39	62	17	45	9	0.82	-0.09	0.45	4.65	121	48.23	97	80	57	0	2	4	0
	LOUISVILLE	54	41	61	24	47	10	0.85	-0.06	0.55	3.45	92	51.91	107	78	54	0	2	5	1
	PADUCAH	55	41	63	22	48	10	2.46	1.51	1.35	6.83	175	56.33	112	88	57	0	2	5	2
LA	BATON ROUGE	71	51	80	32	61	8	2.13	0.78	1.68	7.77	164	70.36	114	92	60	0	1	3	1
	LAKE CHARLES	71	51	79	33	61	7	2.84	1.70	1.54	6.15	152	66.98	112	94	66	0	0	5	2
	NEW ORLEANS	69	53	80	37	61	6	3.49	2.24	1.62	6.09	142	83.05	132	96	70	0	0	3	3
	SHREVEPORT	65	48	72	30	56	8	***	***	***	***	***	***	***	96	62	0	1	***	***
MA	BOSTON	34	22	46	10	28	-6	0.00	-0.92	0.00	5.06	128	45.34	104	78	54	0	6	0	0
	WORCESTER	33	19	47	4	26	-2	0.17	-0.74	0.11	4.61	118	51.63	107	75	48	0	6	2	0
MD	BALTIMORE	41	26	49	16	34	-3	0.62	-0.17	0.53	2.67	78	35.86	80	82	56	0	6	3	1
ME	CARIBOU	21	4	27	-1	12	-4	0.29	-0.48	0.24	4.11	125	36.05	89	85	64	0	7	2	0
	PORTLAND	30	13	37	5	22	-6	0.11	-0.86	0.11	4.48	109	44.85	93	88	53	0	7	1	0
MI	ALPENA	35	24	51	-5	30	6	0.50	0.10	0.20	2.17	127	34.76	117	96	75	0	5	4	0
	GRAND RAPIDS	40	29	52	10	35	6	0.43	-0.12	0.16	1.98	88	36.64	93	95	70	0	4	4	0
	HOUGHTON LAKE	34	22	46	-9	28	5	0.60	0.24	0.30	2.65	165	19.94	85	96	80	0	5	3	0
	LANSING	39	28	52	1	33	6	0.23	-0.19	0.13	1.51	88	33.39	100	95	73	0	4	3	0
	MUSKEGON	43	33	53	15	38	8	0.51	0.01	0.27	2.00	91	34.85	99	88	67	0	2	4	0
	TRAVERSE CITY	38	26	50	4	32	6	0.28	-0.09	0.16	2.28	139	25.03	86	86	67	0	5	3	0
MN	DULUTH	30	23	38	15	27	12	0.67	0.36	0.53	1.69	125	29.09	93	91	84	0	6	2	1
	INT_L FALLS	30	23	38	15	26	18	0.00	-0.22	0.00	1.65	185	28.81	113	94	83	0	6	0	0
	MINNEAPOLIS	36	28	47	22	32	13	0.74	0.49	0.62	1.50	139	36.94	117	92	77	0	6	2	1
	ROCHESTER	35	28	41	18	32	14	0.91	0.65	0.70	1.30	109	36.13	104	94	84	0	5	3	1
	ST. CLOUD	35	26	48	21	31	16	0.07	-0.12	0.07	0.50	63	34.99	123	94	79	0	6	1	0
MO	COLUMBIA	50	37	55	24	44	11	0.23	-0.25	0.23	2.23	118	42.11	101	93	74	0	2	1	0
	KANSAS CITY	47	33	51	23	40	9	0.29	-0.04	0.17	0.60	41	35.40	90	95	76	0	3	2	0
	SAINT LOUIS	53	41	59	24	47	12	0.72	0.12	0.23	2.59	115	49.57	119	86	66	0	1	5	0
	SPRINGFIELD	51	39	55	27	45	10	0.39	-0.20	0.24	2.37	100	43.23	97	95	78	0	1	3	0
MS	JACKSON	65	45	73	29	55	7	1.61	0.39	0.98	3.82	82	70.36	123	94	58	0	2	4	2
	MERIDIAN	62	41	68	27	52	3	4.97	3.73	2.73	6.59	138	54.17	96	94	59	0	3	4	2
	TUPELO	60	41	66	25	50	6	1.51	0.29	0.82	6.74	123	53.39	92	89	55	0	2	3	2
MT	BILLINGS	49	29	54	25	39	13	0.00	-0.13	0.00	0.34	67	12.61	88	71	35	0	6	0	0
	BUTTE	38	23	43	18	31	12	0.01	-0.10	0.01	0.13	30	9.90	78	85	52	0	7	1	0
	CUT BANK	45	28	50	26	36	15	0.00	-0.08	0.00	0.00	0	7.41	68	72	40	0	7	0	0
	GLASGOW	40	24	45	17	32	16	0.09	-0.01	0.07	0.38	100	12.16	90	88	61	0	7	2	0
	GREAT FALLS	48	30	53	28	39	15	0.00	-0.13	0.00	0.00	0	15.00	101	71	35	0	6	0	0
	HAVRE	45	25	50	22	35	16	0.07	-0.04	0.07	0.21	60	16.30	138	85	52	0	7	1	0
	MISSOULA	42	28	45	26	35	12	0.13	-0.12	0.07	0.40	40	11.85	84	97	64	0	7	2	0
NC	ASHEVILLE	49	29	55	20	39	-1	1.22	0.29	0.73	4.26	112	65.89	133	92	53	0	5	2	1
	CHARLOTTE	50	33	57	24	41	-2	0.33	-0.53	0.33	3.08	96	52.95	122	80	48	0	4	1	0
	GREENSBORO	48	29	59	21	39	-2	0.67	-0.06	0.58	2.28	79	56.64	129	85	53	0	5	2	1
	HATTERAS	52	43	64	34	47	-3	0.52	-0.54	0.50	2.97	69	51.61	84	92	72	0	0	2	1
	RALEIGH	51	32	66	22	42	-1	0.16	-0.65	0.12	2.64	86	55.92	122	83	48	0	5	2	0
	WILMINGTON	56	35	72	25	46	-3	0.52	-0.34	0.47	1.62	48	55.69	92	87	54	0	2	3	0
ND	BISMARCK	39	18	47	6	28	13	0.04	-0.11	0.03	0.65	120	18.48	97	98	73	0	7	2	0
	DICKINSON	44	26	49	22	35	17	0.02	-0.03	0.02	0.08	50	12.94	82	87	62	0	7	1	0
	FARGO	31	22	41	10	26	14	0.01	-0.20	0.01	1.09	135	22.91	95	97	84	0	7	1	0
	GRAND FORKS	30	21	38	8	25	16	0.02	-0.13	0.01	1.33	224	25.98	119	90	80	0	7	2	0
	JAMESTOWN	31	19	42	7	25	12	0.00	-0.08	0.00	0.38	124	20.38	102	99	83	0	7	0	0
NE	GRAND ISLAND	45	25	58	19	35	8	0.00	-0.19	0.00	0.00	0	27.81	104	96	67	0	7	0	0
	LINCOLN	47	27	61	22	37	11	0.02	-0.24	0.01	1.19	109	27.87	98	94	67	0	5	2	0
	NORFOLK	45	27	56	21	36	13	0.02	-0.15	0.01	0.13	17	26.91	99	93	68	0	6	2	0
	NORTH PLATTE	53	25	71	17	39	13	0.01	-0.10	0.01	0.01	2	21.80	103	85	43	0	6	1	0
	OMAHA	44	31	54	21	38	11	0.02	-0.24	0.01	0.20	18	32.96	103	96	72	0	5	2	0
	SCOTTSBLUFF	55	24	64	19	40	13	0.00	-0.12	0.00	0.00	0	12.96	82	83	31	0	7	0	0
	VALENTINE	53	20	58	16	37	12	0.00	-0.09	0.00	0.06	14	17.01	81	92	36	0	7	0	0
NH	CONCORD	30	7	39	-3	19	-7	0.12	-0.67	0.12	2.87	85	41.30	99	88	52	0	7	1	0
NJ	ATLANTIC_CITY	41	23	58	7	32	-5	0.43	-0.53	0.31	2.82	68	42.70	93	84	57	0	6	2	0
	NEWARK	37	22	48	11	30	-6	0.81	-0.09	0.70	3.39	89	41.26	89	75	49	0	6	2	1
NM	ALBUQUERQUE	55	30	61	25	43	7	0.00	-0.11	0.00	0.00	0	8.72	98	65	28	0	6	0	0
NV	ELY	47	28	52	22	38	12	0.33	0.16	0.23	0.35	58	9.90	105	91	43	0	7	4	0
	LAS VEGAS	61	46	66	43	54	6	0.00	-0.12	0.00	0.00	0	2.15	52	47	25	0	0	0	0
	RENO	54	38	59	27	46	10	0.13	-0.15	0.11	0.67	68	7.58	104	81	41	0	1	2	0
	WINNEMUCCA	51	35	57	25	43	14	0.72	0.48	0.30	0.84	91	10.82	138	88	51	0	2	5	0
NY	ALBANY	25	8	35	-5	16	-12	0.24	-0.45	0.17	3.57	120	44.15	109	89	61	0	7	3	0
	BINGHAMTON	28	13	43	-4	20	-5	0.24	-0.42	0.20	3.69	131	45.81	109	92	71	0	6	3	0
	BUFFALO	36	24	57	3	30	1	0.19	-0.67	0.16	3.15	93	35.33	87	86	63	0	6	2	0
	ROCHESTER	35	20	57	0	28	-2	0.39	-0.20	0.27	3.30	136	37.66	107	86	64	0	6	4	0
	SYRACUSE	32	15	47	-1	24	-4	0.32	-0.42	0.14	3.63	122	45.13	113	82	59	0	6	3	0
OH	AKRON-CANTON	42	30	59	14	36	5	0.12	-0.53	0.07	2.86	109	39.41	95	91	65	0	4	2	0
	CINCINNATI	50	37	61	18	44	10	1.19	0.34	0.60	4.20	124	44.53	98	91	63	0	2	5	1
	CLEVELAND	44	32	60	16	38	6	0.25	-0.43	0.14	2.45	91	34.54	84	86	59	0	4	2	0
	COLUMBUS	47	35	62	16	41	9	0.26	-0.49	0.15	2.37	84	35.14	85	92	63	0	2	4	0
	DAYTON	48	36	61	20	42	10	0.72	-0.01	0.33	3.01	110	40.21	97	92	67	0	2	4	0
	MANSFIELD	43	30	59	11	37	7	0.16	-0.53	0.08	1.96	72	33.16	78	90	67	0	2	3	0

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

Weather Data for the Week Ending December 28, 2024

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 DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	43	30	58	12	37	6	0.31	-0.25	0.17	1.74	79	36.07	103	97	70	0	4	3	0
	YOUNGSTOWN	42	29	61	12	35	5	0.26	-0.47	0.12	3.27	114	46.50	113	89	62	0	3	3	0
OK	OKLAHOMA CITY	55	41	60	30	47	9	0.56	0.17	0.56	0.66	40	38.63	106	97	76	0	1	1	1
	TULSA	54	42	59	29	48	8	0.94	0.41	0.73	1.42	63	49.50	121	96	76	0	1	3	1
OR	ASTORIA	56	48	57	45	52	9	3.53	1.07	1.30	3.53	50	66.11	98	87	71	0	0	5	4
	BURNS	41	28	45	19	35	10	2.43	2.09	1.14	3.78	273	15.55	151	89	68	0	4	6	1
	EUGENE	53	41	54	34	47	7	3.52	1.98	0.81	6.90	105	39.22	97	96	80	0	0	7	3
	MEDFORD	53	42	61	37	47	9	2.93	2.15	1.17	4.80	149	22.78	125	95	64	0	0	6	2
	PENDLETON	52	40	56	34	46	13	2.14	1.79	0.83	3.25	239	15.99	125	89	52	0	0	7	1
	PORTLAND	53	45	55	41	49	8	3.26	2.02	0.95	6.63	126	40.48	110	89	70	0	0	7	2
	SALEM	54	44	56	38	49	8	4.24	2.72	1.31	7.22	113	44.18	111	88	73	0	0	7	3
PA	ALLENTOWN	33	16	42	1	25	-8	0.46	-0.33	0.32	2.81	79	40.72	86	84	55	0	7	3	0
	ERIE	42	29	62	16	35	4	0.15	-0.80	0.08	3.24	85	37.80	88	87	61	0	4	3	0
	MIDDLETOWN	36	23	45	10	30	-4	0.42	-0.31	0.35	3.52	112	45.16	102	86	59	0	6	2	0
	PHILADELPHIA	40	25	53	11	32	-4	0.64	-0.20	0.48	2.97	81	40.57	92	79	53	0	6	3	0
	PITTSBURGH	45	29	64	12	37	6	0.35	-0.30	0.20	2.65	103	43.46	110	87	56	0	2	3	0
	WILKES-BARRE	31	14	44	-2	22	-9	0.14	-0.45	0.07	2.76	108	42.13	109	90	63	0	6	2	0
	WILLIAMSPORT	33	20	44	4	27	-4	0.05	-0.63	0.03	2.74	91	45.44	104	86	62	0	6	2	0
RI	PROVIDENCE	35	19	48	9	27	-6	0.10	-0.85	0.09	7.37	173	60.87	128	88	61	0	7	2	0
SC	CHARLESTON	55	39	73	32	47	-4	1.52	0.75	0.77	1.98	65	54.93	105	93	57	0	1	5	1
	COLUMBIA	53	34	61	27	44	-3	0.30	-0.61	0.28	1.83	55	53.76	119	89	50	0	4	2	0
	FLORENCE	55	35	72	26	45	-3	0.76	-0.09	0.45	1.91	61	49.60	110	85	50	0	2	4	0
	GREENVILLE	49	31	58	21	40	-3	0.61	-0.44	0.59	4.48	108	55.05	111	88	51	0	4	2	1
SD	ABERDEEN	37	21	47	13	29	14	0.03	-0.11	0.03	0.48	87	21.65	99	92	76	0	7	1	0
	HURON	37	23	49	21	30	12	0.00	-0.15	0.00	0.44	73	21.83	93	96	75	0	7	0	0
	RAPID CITY	53	24	59	19	38	14	0.00	-0.09	0.00	0.32	101	14.47	83	77	31	0	7	0	0
	SIOUX FALLS	39	24	52	16	31	12	0.00	-0.18	0.00	0.64	84	31.19	112	94	76	0	6	0	0
TN	BRISTOL	54	29	68	17	41	4	0.29	-0.50	0.23	2.54	73	43.95	100	93	53	0	4	2	0
	CHATTANOOGA	55	35	61	26	45	3	0.80	-0.30	0.74	2.52	52	43.45	79	87	49	0	4	2	1
	KNOXVILLE	55	32	61	22	43	3	0.79	-0.26	0.76	5.01	109	57.22	110	91	51	0	4	2	1
	MEMPHIS	58	45	66	27	52	8	6.01	4.86	4.43	9.74	194	61.67	112	81	54	0	1	3	3
	NASHVILLE	58	41	65	24	50	8	1.17	0.28	0.59	4.51	111	49.05	97	76	44	0	2	2	2
TX	ABILENE	64	46	76	42	55	9	0.01	-0.27	0.01	0.41	35	24.01	95	89	53	0	0	1	0
	AMARILLO	57	36	71	30	47	9	0.00	-0.17	0.00	0.00	0	22.83	116	90	41	0	1	0	0
	AUSTIN	75	52	82	43	64	12	0.09	-0.55	0.04	1.39	57	28.40	78	95	44	0	0	4	0
	BEAUMONT	71	52	79	39	62	7	3.87	2.72	1.39	5.07	113	71.37	115	95	69	0	0	4	3
	BROWNSVILLE	84	65	90	59	75	12	0.00	-0.26	0.00	4.93	455	43.10	161	90	52	1	0	0	0
	CORPUS CHRISTI	82	57	87	53	69	11	0.00	-0.44	0.00	1.61	92	27.60	87	98	52	0	0	0	0
	DEL RIO	77	51	83	45	64	12	0.00	-0.15	0.00	0.24	36	11.36	58	81	33	0	0	0	0
	EL PASO	68	38	72	31	53	8	0.00	-0.14	0.00	0.00	0	6.76	77	43	17	0	1	0	0
	FORT WORTH	64	49	73	38	56	10	1.89	1.24	0.94	4.74	184	39.91	108	91	63	0	0	3	2
	GALVESTON	73	60	77	47	66	9	1.74	0.87	1.41	2.70	69	49.42	105	99	79	0	0	4	1
	HOUSTON	74	52	80	37	63	9	4.07	3.17	1.59	5.26	142	62.26	120	94	62	0	0	4	4
	LUBBOCK	64	41	75	32	52	12	0.00	-0.17	0.00	0.00	0	23.34	127	85	40	0	1	0	0
	MIDLAND	65	42	72	38	53	8	0.00	-0.13	0.00	0.00	0	10.35	77	80	36	0	0	0	0
	SAN ANGELO	68	44	77	40	56	8	0.01	-0.19	0.01	0.24	29	18.21	87	87	43	0	0	1	0
	SAN ANTONIO	75	54	83	45	64	12	0.13	-0.30	0.13	1.36	75	23.39	72	95	47	0	0	1	0
	VICTORIA	80	54	85	40	67	12	1.35	0.83	0.83	2.22	106	34.51	85	95	56	0	0	2	2
	WACO	69	48	78	41	58	11	1.20	0.50	0.66	2.45	95	38.09	105	92	57	0	0	3	1
	WICHITA FALLS	62	44	70	31	53	10	0.30	-0.02	0.30	0.35	24	33.27	119	93	69	0	1	1	0
UT	SALT LAKE CITY	47	33	52	31	40	9	1.04	0.73	0.39	1.19	93	14.78	95	93	60	0	4	5	0
VA	LYNCHBURG	44	26	49	16	35	-3	0.79	0.07	0.70	3.90	122	40.54	95	91	55	0	6	2	1
	NORFOLK	50	38	74	30	44	-1	0.00	-0.76	0.00	3.48	116	52.52	107	81	49	0	2	0	0
	RICHMOND	46	28	57	19	37	-3	0.24	-0.53	0.19	2.28	71	51.59	113	90	53	0	6	2	0
	ROANOKE	43	27	49	17	35	-4	0.45	-0.17	0.41	2.96	105	40.26	94	88	56	0	6	2	0
	WASH/DULLES	42	26	52	14	34	-1	0.67	-0.02	0.49	3.30	109	36.63	85	85	57	0	6	3	0
VT	BURLINGTON	25	5	45	-4	15	-10	0.42	-0.11	0.28	3.44	151	40.46	108	86	64	0	7	4	0
WA	OLYMPIA	50	40	52	37	45	7	3.24	1.42	0.96	9.54	134	49.25	98	98	81	0	0	7	3
	QUILLAYUTE	51	44	55	40	47	7	5.32	2.13	1.49	16.69	133	106.57	106	96	80	0	0	7	5
	SEATTLE-TACOMA	51	43	55	38	47	5	2.41	1.11	0.67	5.94	114	34.25	88	94	68	0	0	7	2
	SPOKANE	42	35	45	33	38	10	1.45	0.93	0.63	3.15	149	16.86	103	100	86	0	0	6	1
	YAKIMA	44	32	54	27	38	9	1.15	0.80	0.35	2.16	165	8.47	107	96	75	0	3	5	0
WI	EAU CLAIRE	35	27	43	17	31	13	0.93	0.65	0.63	1.10	88	36.06	109	89	76	0	6	3	1
	GREEN BAY	37	19	47	3	28	6	0.79	0.41	0.58	1.23	76	34.20	108	90	70	0	5	4	1
	LA CROSSE	37	29	45	18	33	11	0.91	0.60	0.69	1.56	113	35.49	101	86	72	0	5	4	1
	MADISON	39	23	48	7	31	8	0.71	0.39	0.57	1.30	86	48.89	131	93	74	0	6	3	1
	MILWAUKEE	43	33	53	11	38	11	0.28	-0.11	0.20	0.95	55	39.37	114	84	65	0	4	2	0
WV	BECKLEY	45	30	60	9	38	3	0.46	-0.23	0.43	3.35	112	38.83	89	83	55	0	3	2	0
	CHARLESTON	50	31	66	17	41	4	0.55	-0.20	0.42	3.94	121	41.88	90	92	51	0	3	2	0
	ELKINS	48	23	65	7	35	3	0.50	-0.25	0.41	4.23	129	47.46	100	98	51	0	6	3	0
	HUNTINGTON	51	34	64	18	42	6	0.40	-0.35	0.24	3.42	105	43.59	97	86	50	0	2	2	0
WY	CASPER	44	25	48	17	35	11	0.01	-0.13	0.01	0.07	12	10.24	83	90	44	0	7	1	0
	CHEYENNE	47	29	57	22	38	10	0.00	-0.11	0.00	0.00	0	10.50	68	74	32	0	5	0	0
	LANDER	44	23	52	17	33	13	0.00	-0.13	0.00	0.00	0	10.39	78	72	38	0	7	0	0
	SHERIDAN	46	21	52	19	34	11	0.01	-0.11	0.01	0.20	40	11.68	78	82	48	0	7	1	0

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

International Weather and Crop Summary

December 22-28, 2024

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

HIGHLIGHTS

EUROPE: Widespread showers and near- to above-normal temperatures continued over much of Europe, though short-term dryness intensified in Spain and northern Italy.

MIDDLE EAST: Rain and mountain snow expanded from Turkey into western Iran, while easternmost growing areas remained dry.

NORTHWESTERN AFRICA: Extreme drought in Morocco and western Algeria juxtaposed with beneficial rainfall in northeastern portions of the region.

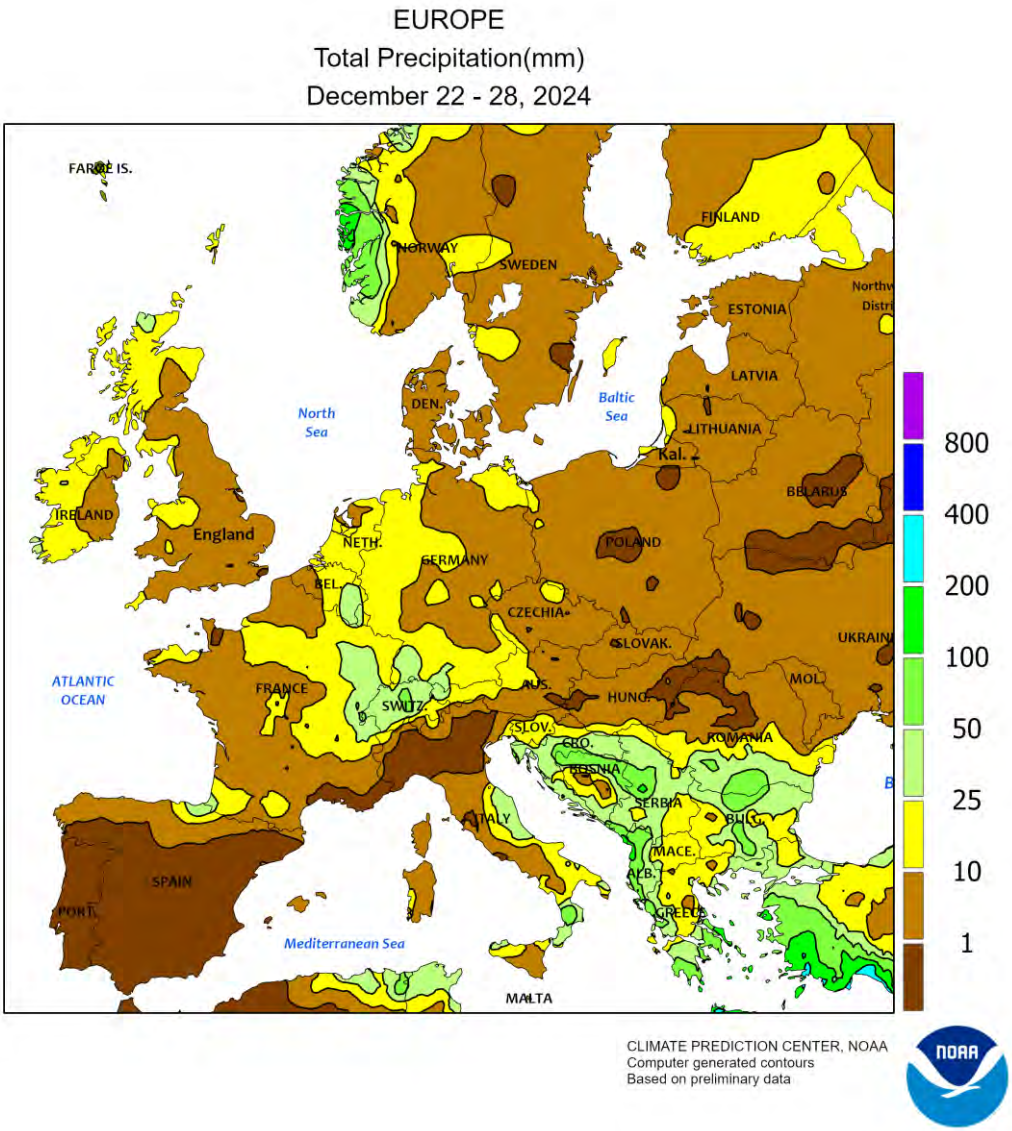
SOUTHEAST ASIA: Showers were more seasonable in southern sections of the region, but downpours continued in eastern areas.

AUSTRALIA: Scattered showers in the east continued to aid local summer crop development.

SOUTH AFRICA: Favorable conditions continued throughout much of the corn belt with warm weather and scattered showers.

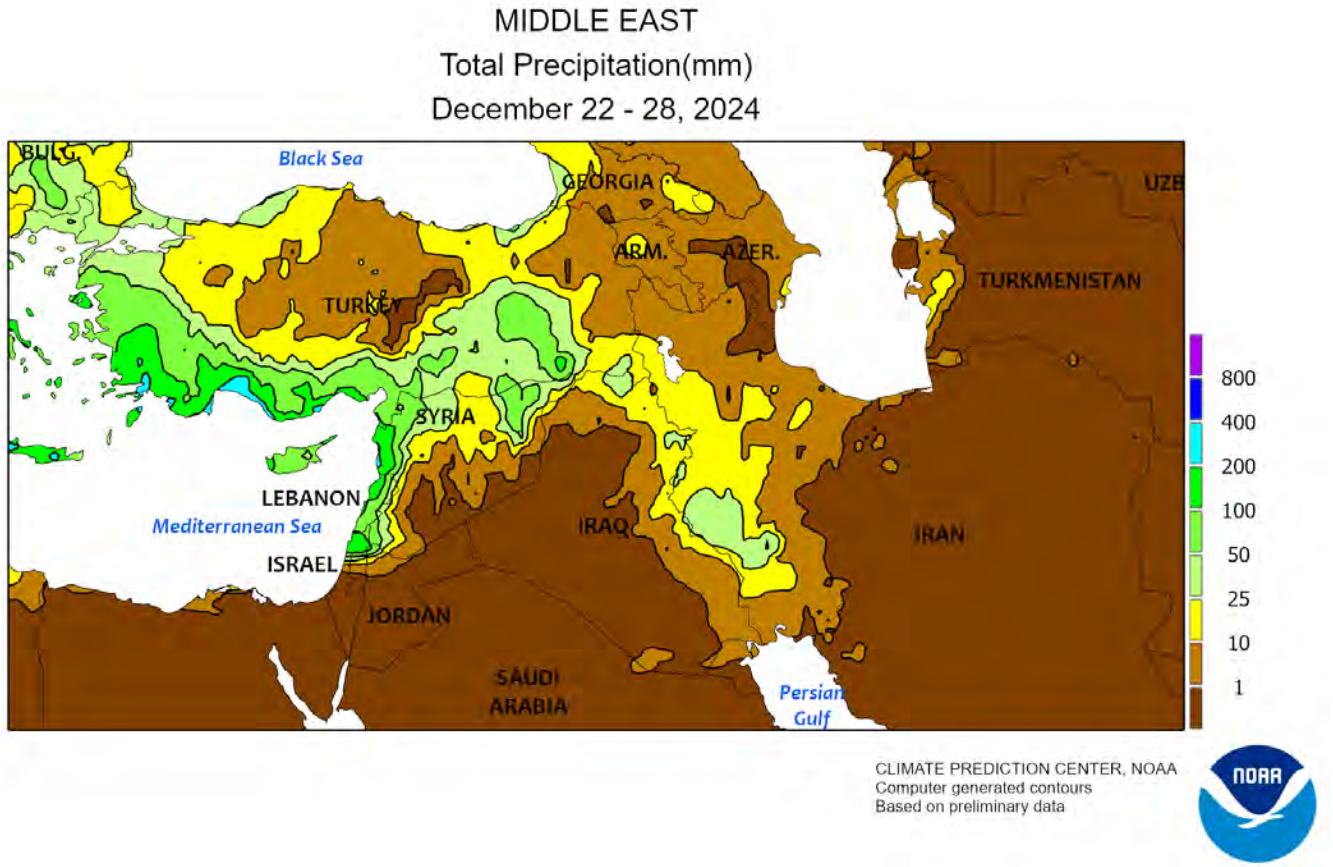
ARGENTINA: Warm, showery weather helped keep summer crops in good to very good condition.

BRAZIL: Showers sustained favorable soil moisture for summer crops, although short-term dryness continued in parts of the south.



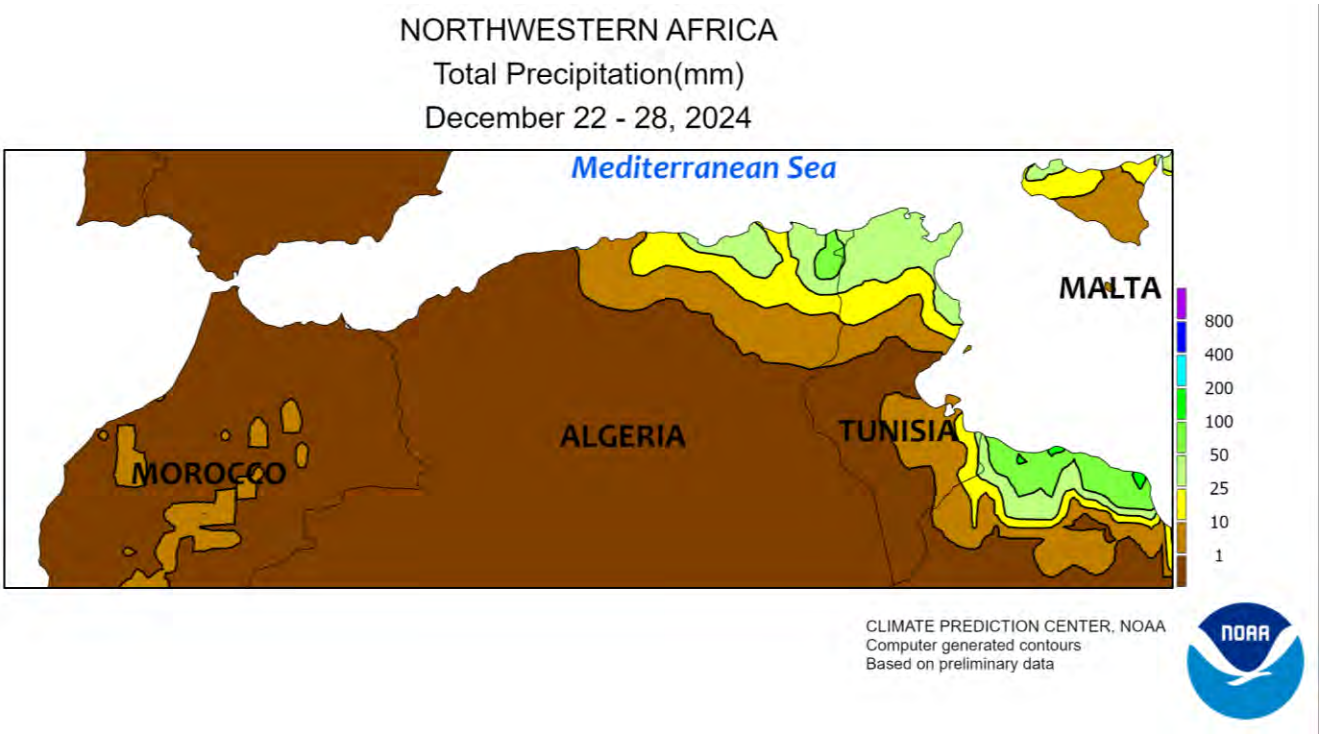
EUROPE

The recent and mostly unsettled weather pattern persisted, with mild and showery conditions over much of Europe contrasting with increasing localized dryness from the Iberian Peninsula into northern Italy. Showers totaled 5 to 35 mm from England and France eastward, though heavier rain (25-100 mm) was noted in Greece and the southern Balkans. Overall, moisture reserves across most of Europe remained favorable for dormant winter crops. However, rain continued to bypass Hungary (3 mm or less); precipitation since October 1 in southwestern Hungary (Transdanubia) slipped below 33 percent of normal and remained the driest of the past 30 years. Likewise, a lack of rain during the monitoring period exacerbated short-term dryness from Spain into northern Italy, though heavy rain in October boosted irrigation supplies and helped growing areas better withstand periods of dryness. Temperatures averaged near normal over much of western Europe but 2 to 6°C above normal over northern and eastern portions of the continent. Consequently, most primary winter crop areas remained devoid of a protective snow cover, though minimum temperatures remained well above the threshold for burnback or winterkill.



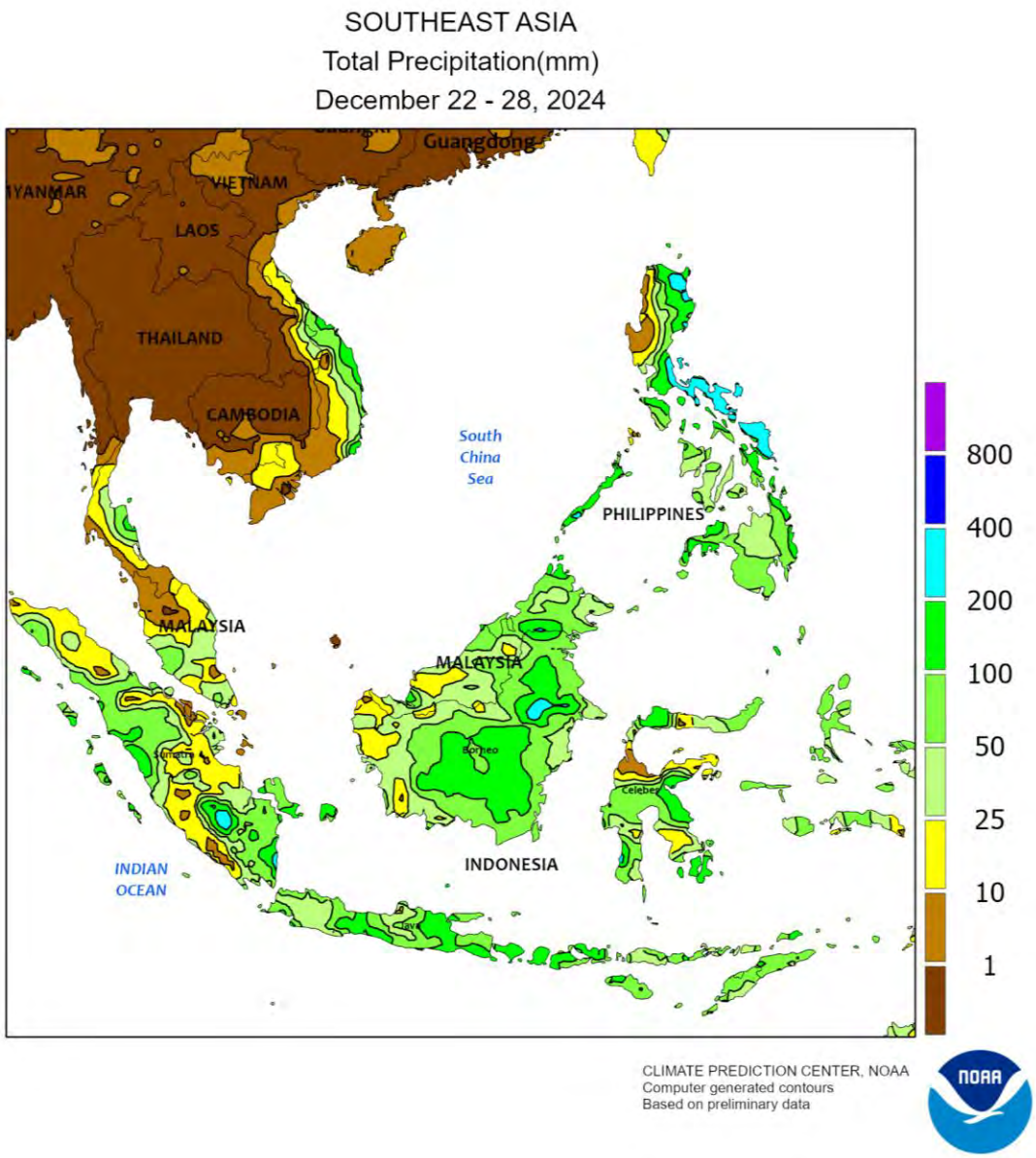
MIDDLE EAST

Unsettled weather expanded across western and central portions of the region, while dry conditions lingered in the east. A pair of upper-air lows — locked in place over the eastern Mediterranean Sea by a broad area of high pressure to the north — produced widespread albeit highly variable rain and high-elevation snow (5-100 mm, liquid equivalent) across much of western, central, and eastern Turkey. Furthermore, another round of heavy to excessive rainfall (100-235 mm) along southwestern Turkey's Mediterranean Coast caused localized flooding but mostly fell outside of primary growing areas. Unlike previous weeks, moderate to heavy rain (25-100 mm) expanded eastward across the eastern Mediterranean Coast and adjacent croplands, easing short-term dryness and improving soil moisture for winter grain establishment. Conversely, dry weather prevailed over central and eastern Iran, with 60-day precipitation in the country's Khorasan Province totaling less than 60 percent of normal. Temperatures averaged 2 to 6°C above normal from Turkey into northwestern Iran, confining snow to the highest elevations of the Armenian Highlands (eastern Turkey) and Zagros Mountains (western Iran). Near-normal temperatures prevailed elsewhere save for chilly conditions in southern Iran (1-3°C below normal).



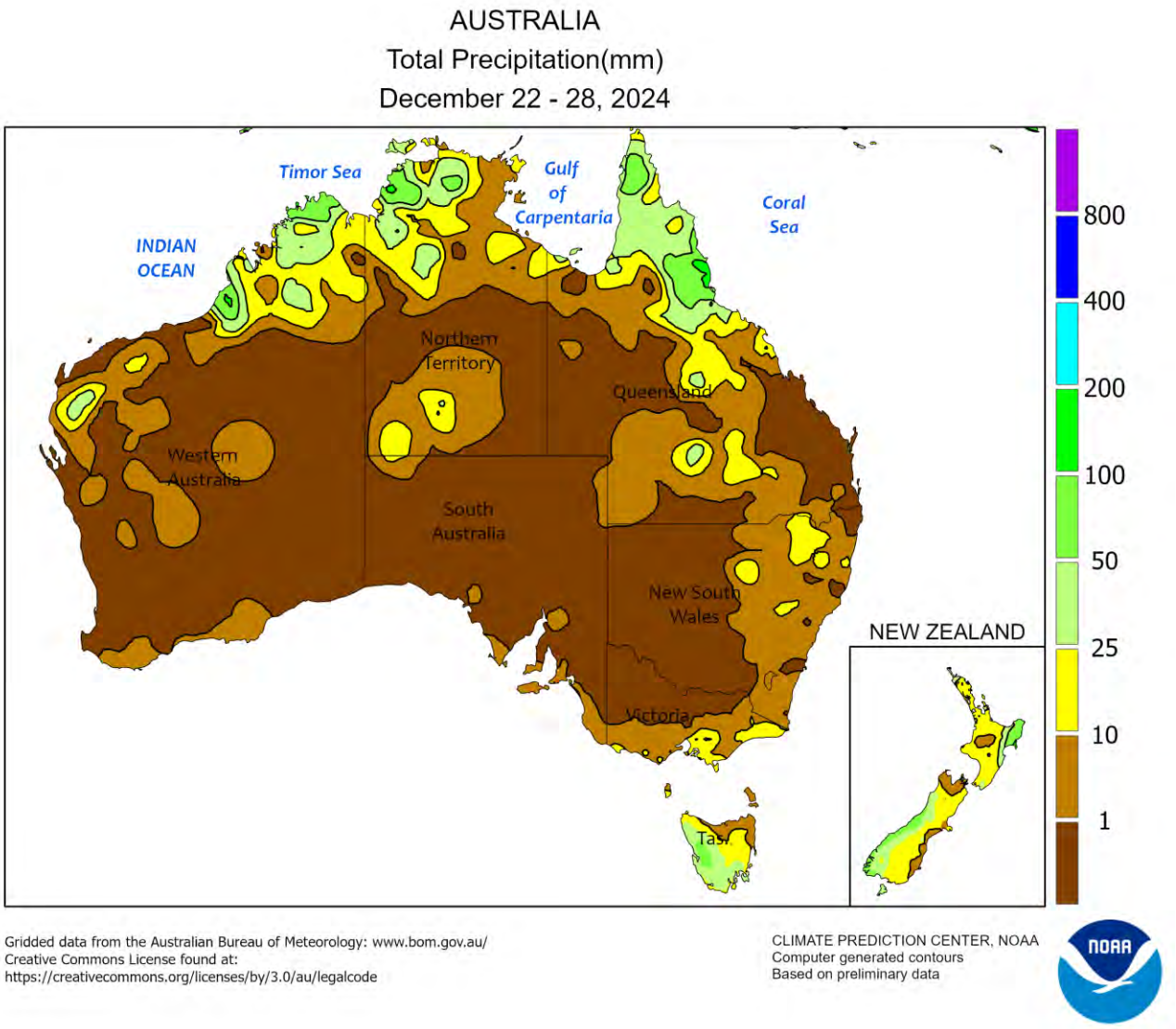
NORTHWESTERN AFRICA

Extreme drought in the west contrasted with additional beneficial rain in the northeast. Virtually no rain fell in Morocco save for isolated very light showers (1-2 mm). Consequently, season-to-date rainfall (since September 1) over Morocco's primary growing areas along the central Atlantic Coast dipped below 40 percent of normal, the second driest start to the growing campaign of the past 30 years. The drought extended into western Algeria, where little to no rain was reported during the past week. Furthermore, temperatures up 2 to 5°C above normal in western Morocco exacerbated soil moisture losses and increased evapotranspiration rates. The satellite-derived Vegetation Health Index (VHI) averaged over Morocco's croplands was the lowest on record for this time of year, dating back to 1982; the very low VHI signal encompassed nearly all of Morocco and most of western Algeria. In sharp contrast, additional moderate to heavy showers (10-100 mm) across northeastern Algeria and northern Tunisia maintained favorable prospects for emerging to vegetative winter grains. Unlike previous weeks, some of the rain also fell over the more inland crop areas of the Hautes Plateau in eastern Algeria and the Steppe Region of northern Tunisia, easing concerns of a return to drought.



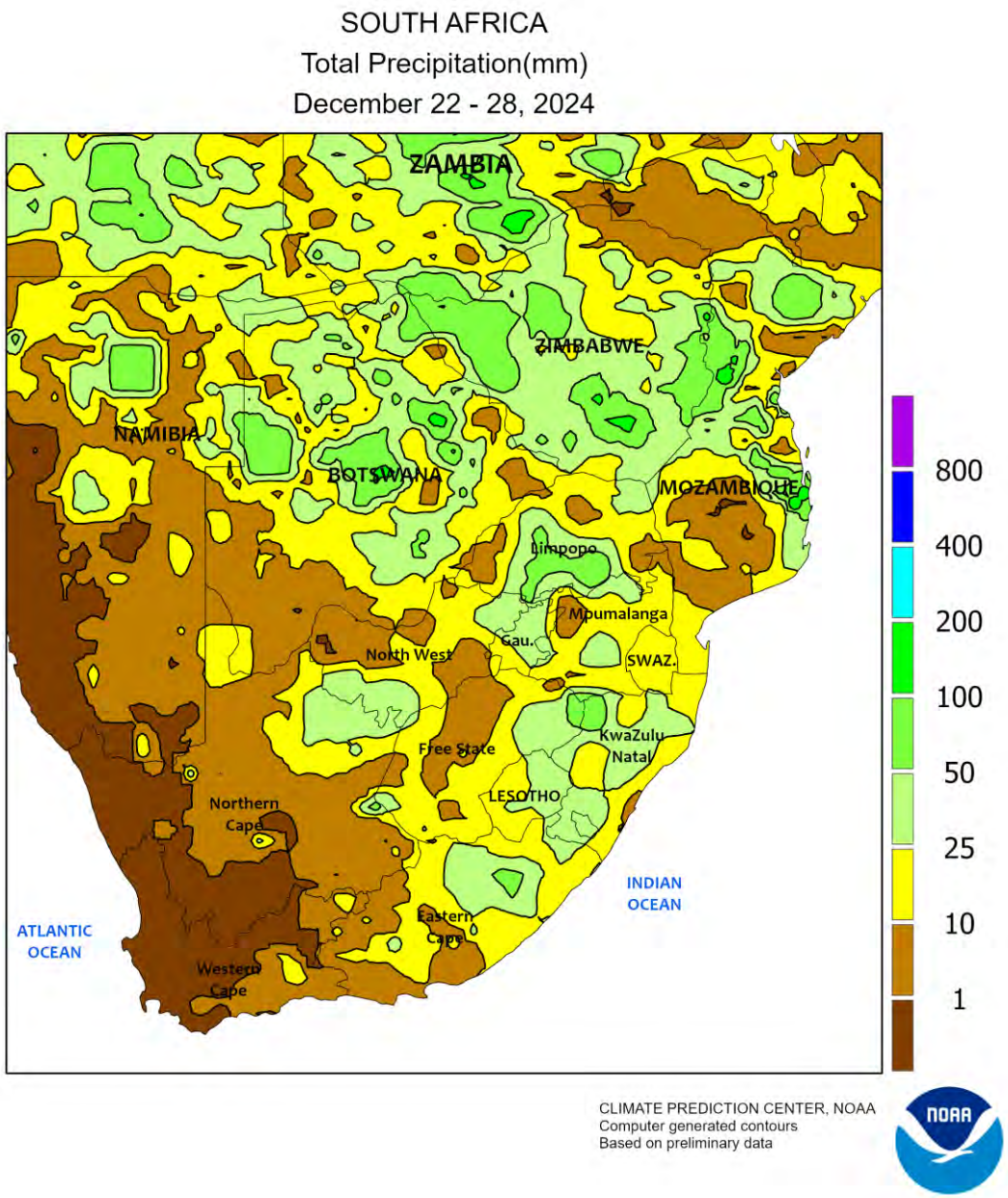
SOUTHEAST ASIA

Showers returned to more seasonable levels across most sections of the region after an extended period of deluges. In particular, rainfall in Malaysia and Indonesia averaged between 25 and 100 mm, maintaining soil moisture for oil palm while also allowing harvesting to progress at a normal pace. Rainfall totals in Java, Indonesia, were slightly higher (topping 100 mm in most locales), supporting seasonal rice. Meanwhile in the Philippines, downpours continued in eastern districts, exceeding 200 mm and sustaining field flooding and excessively high water levels in rice paddies; many eastern areas are experiencing the fourth wettest December in the last 30 years.



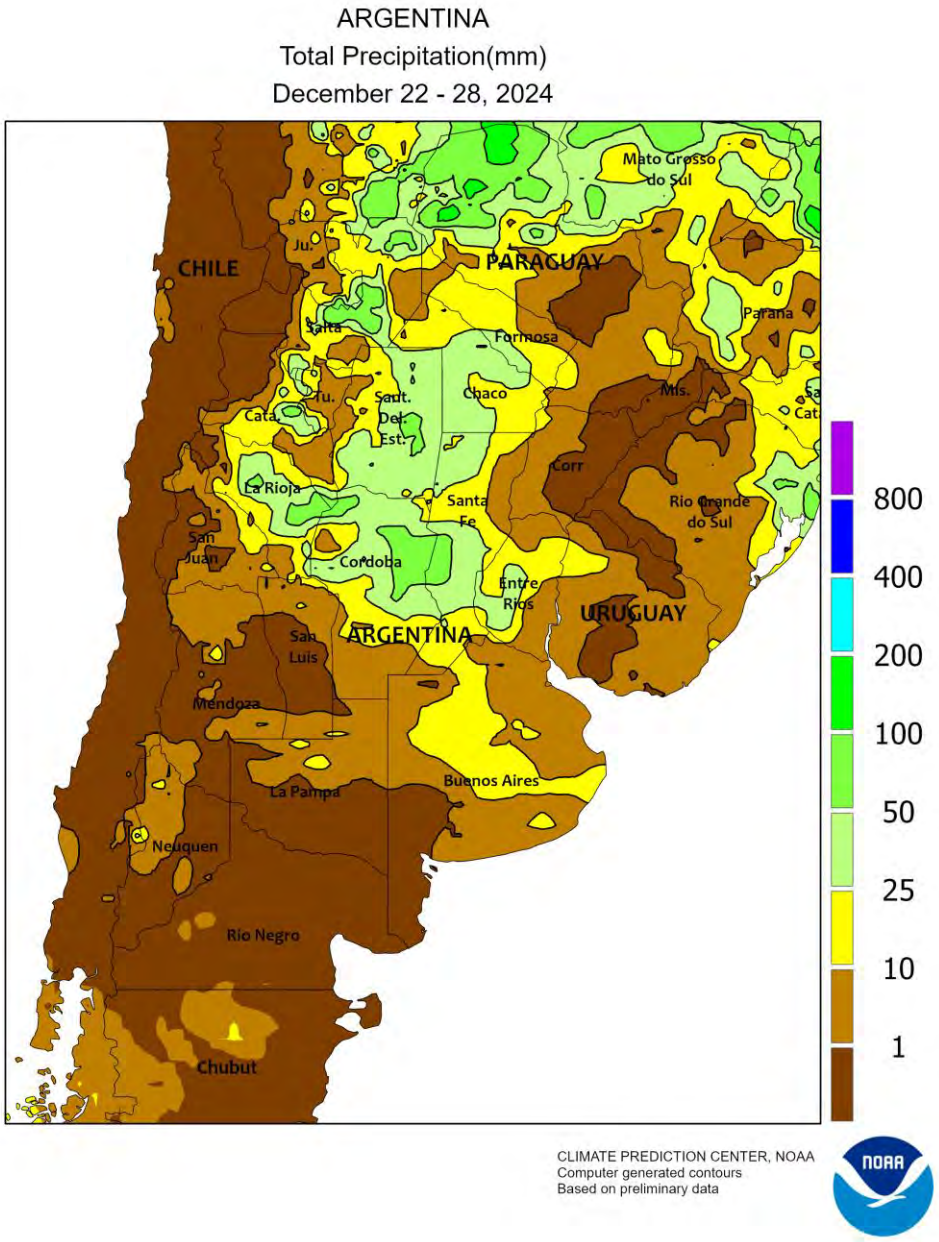
AUSTRALIA

Scattered showers (locally near 10 mm) in southern Queensland and northern and central New South Wales continued to aid cotton, sorghum, and other summer crop development. Pockets of drier weather increased local irrigation demands but allowed fieldwork to proceed, including additional sorghum planting. Elsewhere in the wheat belt, mostly dry weather in southern New South Wales, Victoria, South Australia, and Western Australia favored final winter crop harvests. Temperatures averaged 2 to 3°C below normal across parts of the southeast and near normal in the west and northeast, with maximum temperatures in the middle to upper 30s degrees C throughout most of the wheat belt.



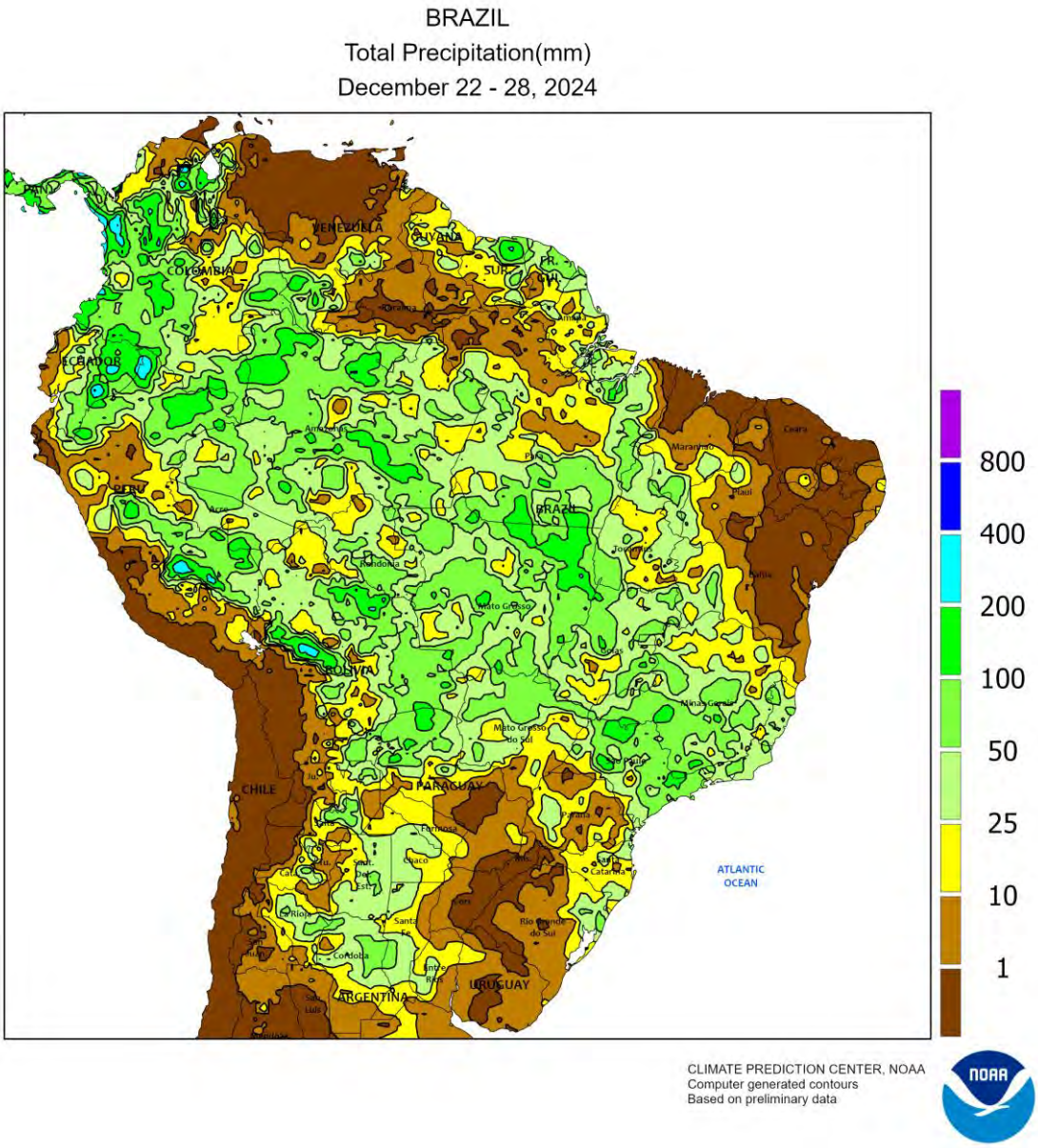
SOUTH AFRICA

Scattered showers fell across much of the corn belt, with totals averaging 10 to 50 mm. The central part of Free State only received 1 to 10 mm of rainfall, but some higher totals of 50 to 100 mm were recorded in parts of Limpopo, Gauteng, Mpumalanga, and KwaZulu-Natal, benefitting germination of corn crops in those regions. The limited amount of rain in parts of the western corn belt could cause some issues as soil moisture was still subpar for that area. Warm weather continued across the region, with temperatures averaging near or just above normal by 1 to 3°C. Daytime highs through most of the corn belt were in the upper 20s to middle 30s degrees C, with upper 30s to lower 40s degrees C for the rest of the country.



ARGENTINA

Scattered showers fell throughout most major agricultural areas, maintaining adequate soil moisture for summer crop development. Many areas received between 10 and 25 mm of rain, with somewhat greater amounts in San Luis, northern Cordoba, and western Santa Fe. Summer crop conditions remained good to very good overall for emerging and vegetative crops in the south and flowering to filling crops farther north. Mostly dry weather prevailed in southern Bueno Aires, however, favoring wheat and barley harvesting. Temperatures averaged near normal in western Argentina and up to 4°C below normal in parts of the east, with maximum temperatures in the lower to middle 30s degrees C in most major crop producing areas.



BRAZIL

Most major crop areas in the west (Mato Grosso and environs) continued to benefit from seasonal rainfall (25-100 mm or more), as did sections of the east and southeast (western Bahia to São Paulo). However, showers became lighter and more spotty toward the south, with mostly dry weather in Rio Grande do Sul limiting soil moisture for summer crops; month-to-date rainfall was still on par with the average, though, thanks to heavy showers earlier in the month. The majority of soybeans and first-crop corn were vegetative to reproductive, although some of the earliest planted crops were beginning to mature.

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*Regular Features**

Text

National Charts

National Tabulations

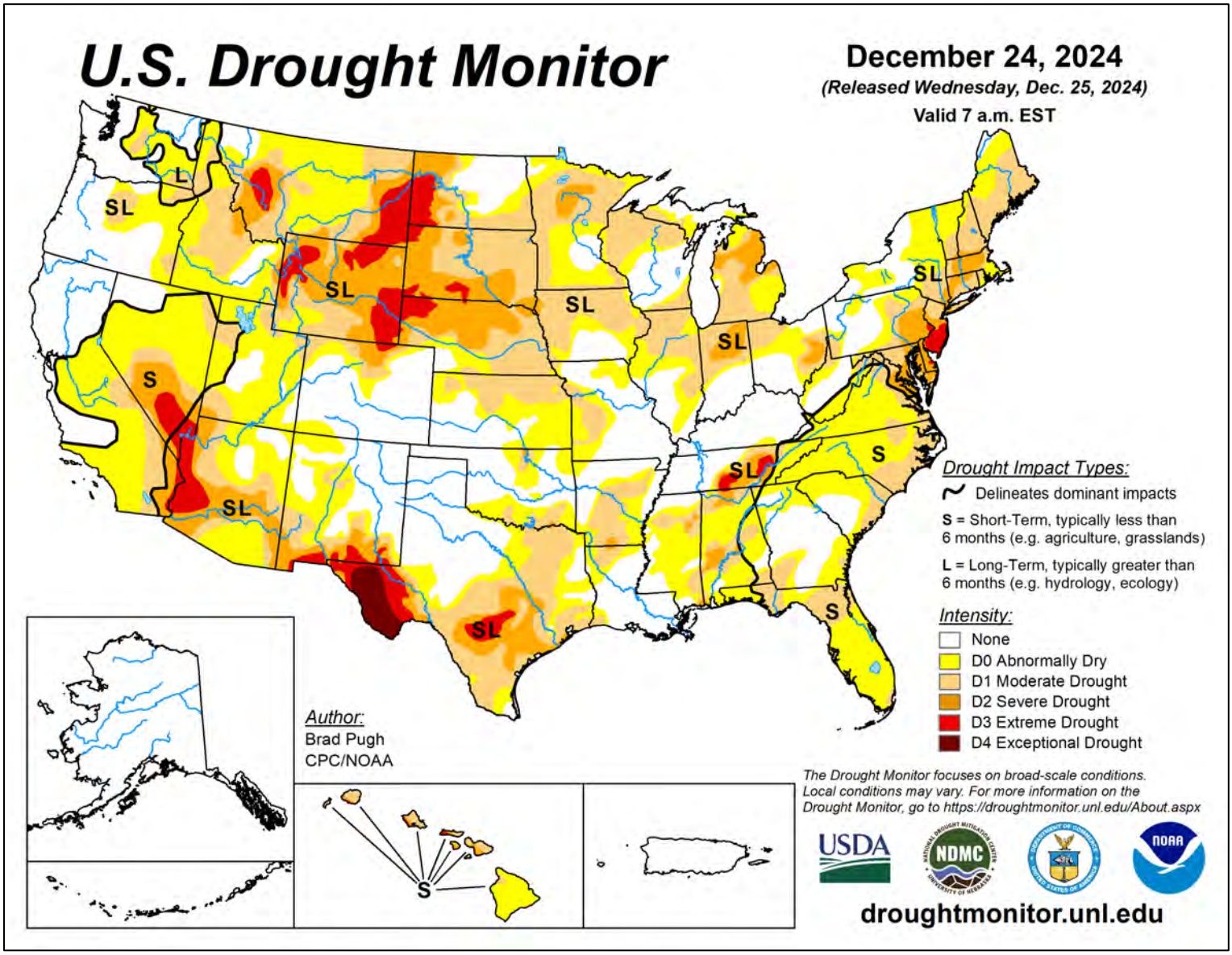
International Charts (major crop areas)

***w** = weekly, **m** = monthly, **s** = seasonal (published every March, June, September, and December for the preceding 3 months)

Special Features

U.S. Satellite Images and Charts/Tabulations:

U.S. and International Summaries:



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