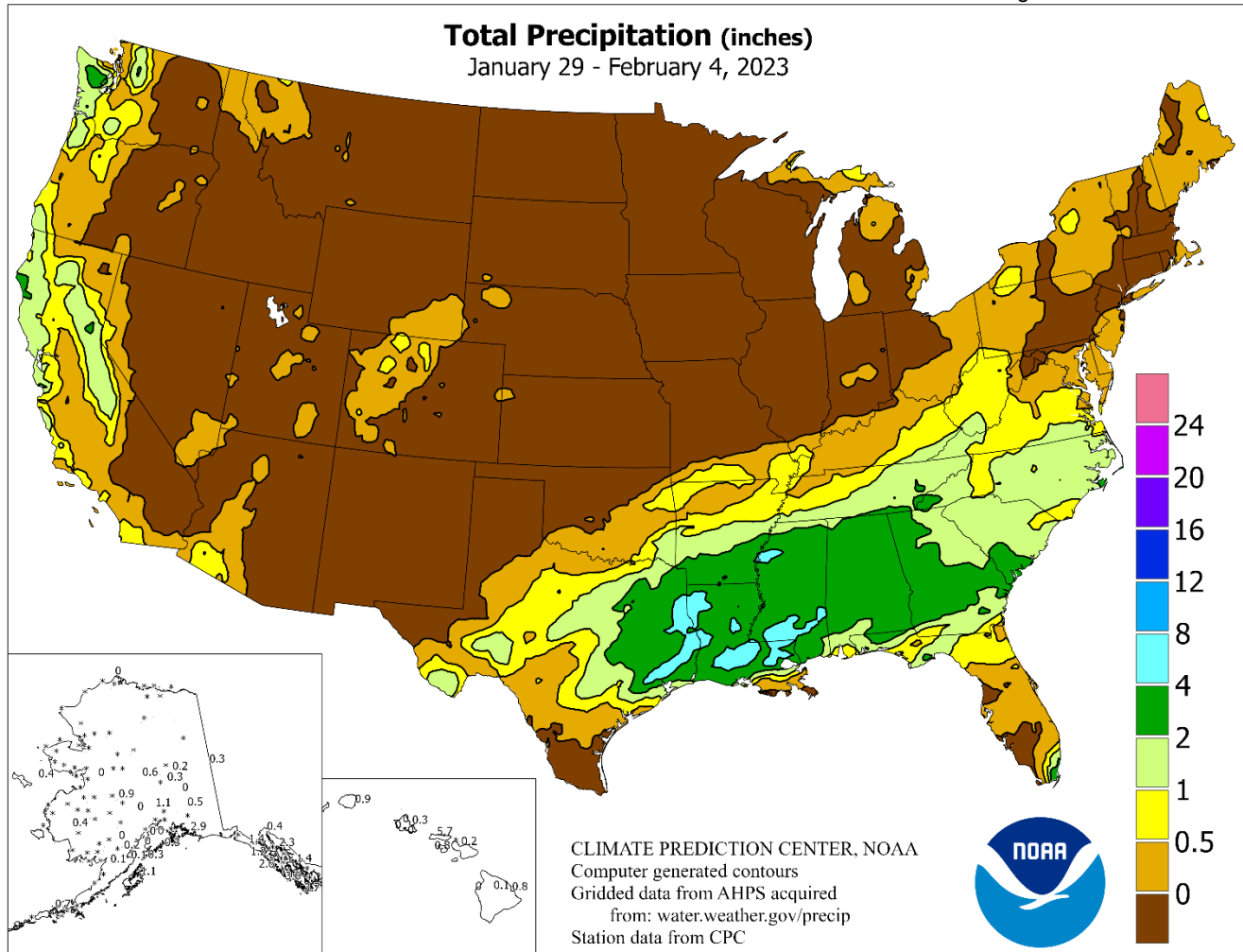


# WEEKLY WEATHER AND CROP BULLETIN

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 29 – February 4, 2023**

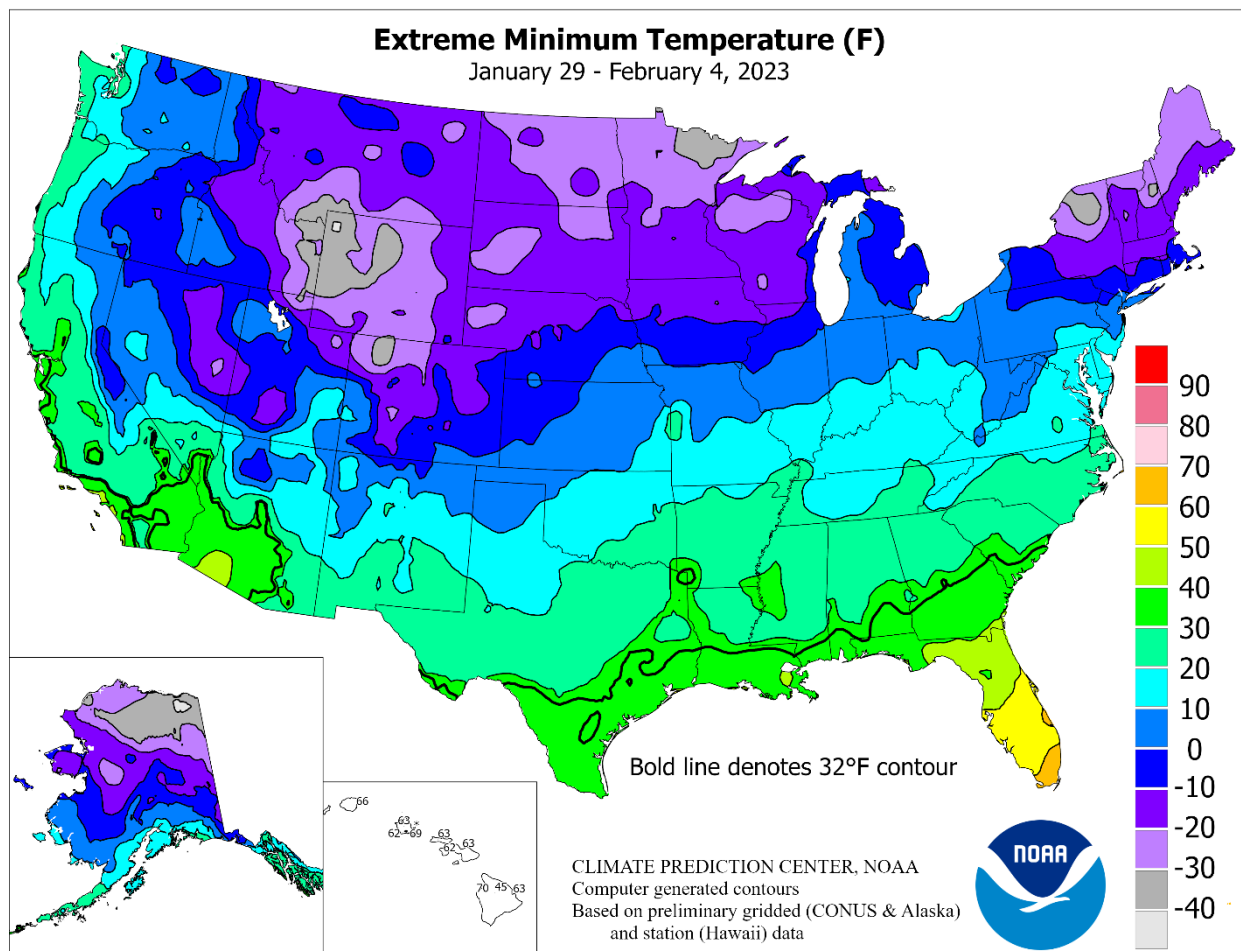
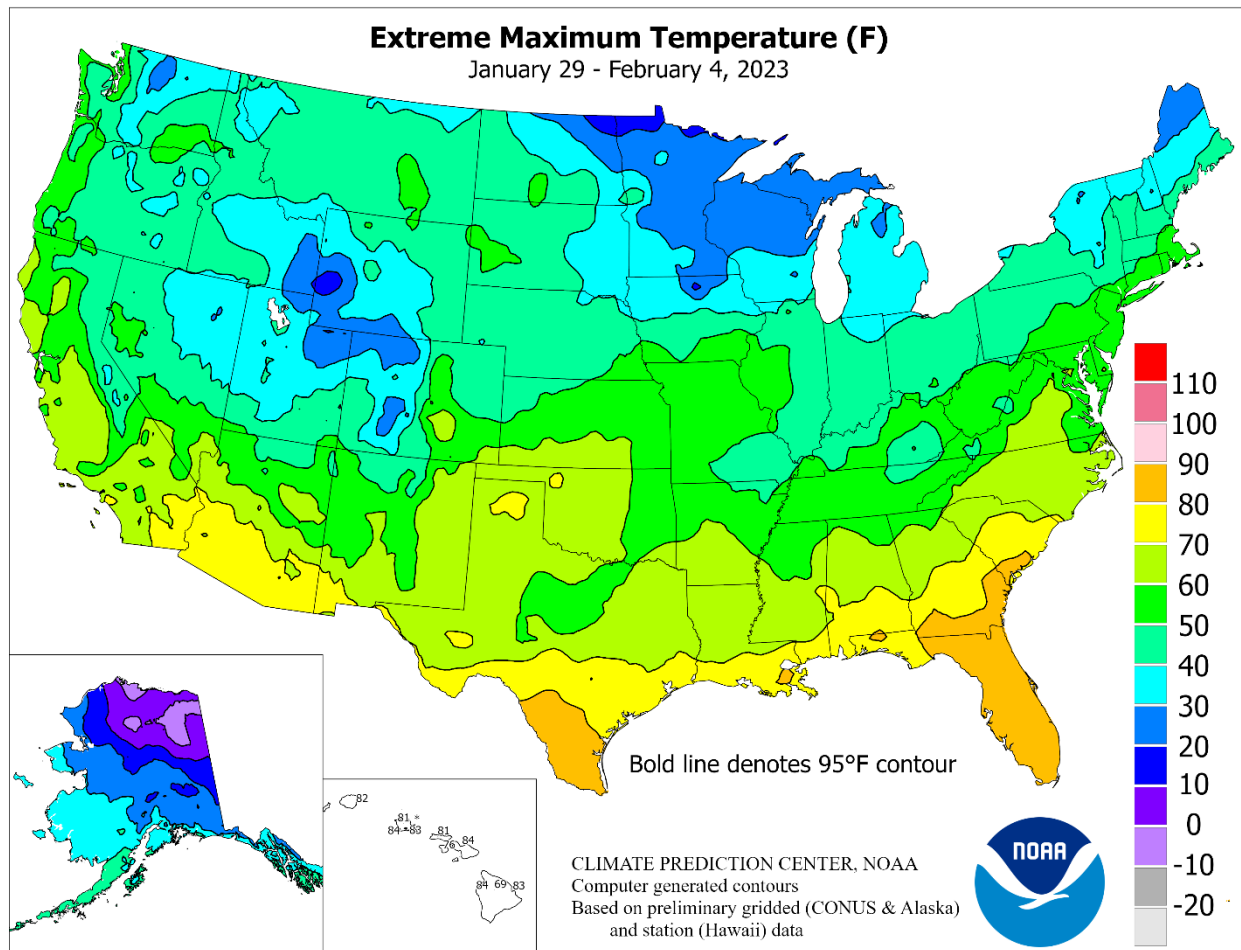
*Highlights provided by USDA/WAOB*

**A** multi-day storm delivered substantial ice accretion (due to freezing rain) from **central Texas to the northern Mississippi Delta**, hampering travel and leading to power outages for hundreds of thousands of customers. The storm was also responsible for sleet accumulations, especially from **northeastern Texas into Arkansas**, as well as heavy rain (locally 2 to 4 inches or more) across the **Deep South**. However, precipitation from the storm mostly bypassed **southern Texas and peninsular Florida**. Meanwhile, much of the remainder of the country

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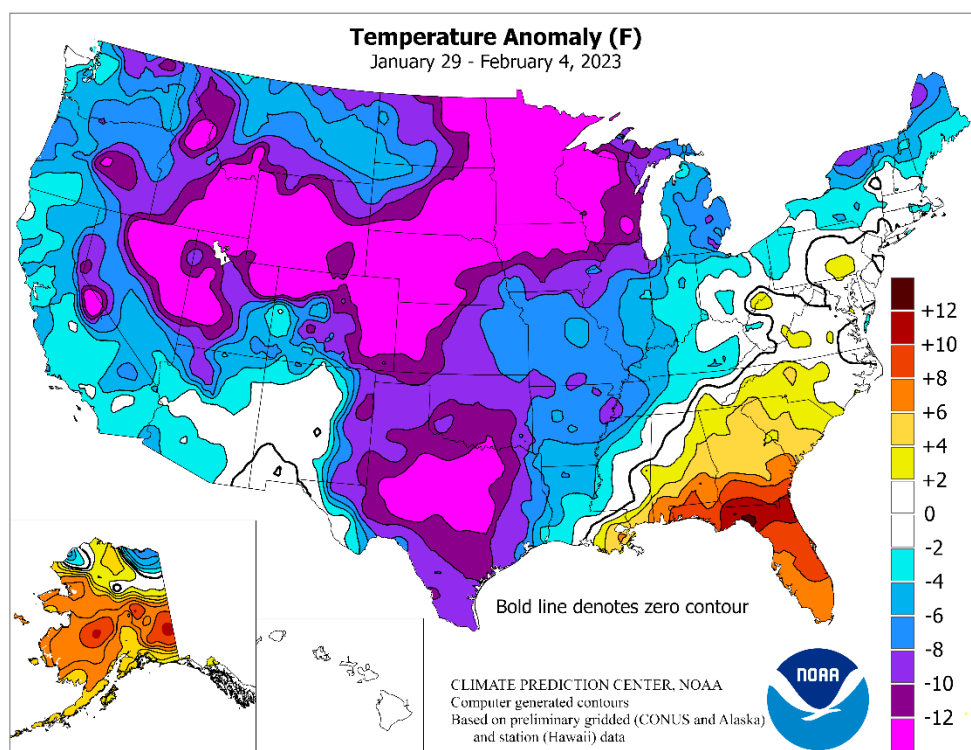


(Continued from front cover)

experienced dry weather, although late-week precipitation overspread the **Far West**. Farther east, cold but dry weather maintained a substantial snow cover across the **northern Corn Belt** and **northwestern half of the Plains**. In the latter region, snow helped to insulate winter grains from sub-zero temperatures. In fact, weekly temperatures averaged at least 10 to 15°F below normal across portions of the **Great Basin** and **northern Intermountain West**, as well as large sections of the **Plains** and **upper Midwest**. In contrast, readings averaged as much as 10°F above normal in **northern Florida** and environs, where record-setting warmth prevailed. Elsewhere, a late-week Arctic blast in the **Midwest** and **Northeast** was preceded by snow showers. Post-outbreak snow squalls lingered downwind of the **Great Lakes**.

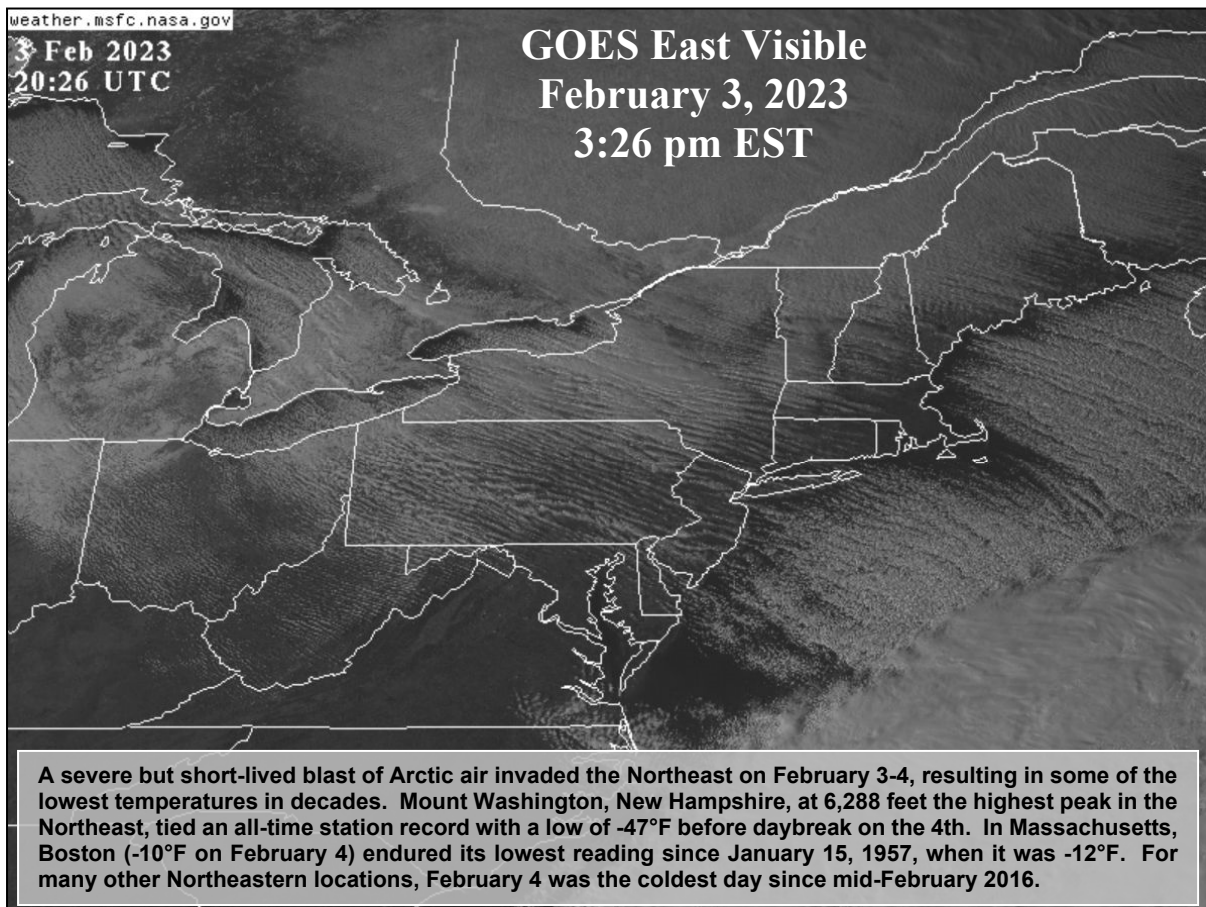
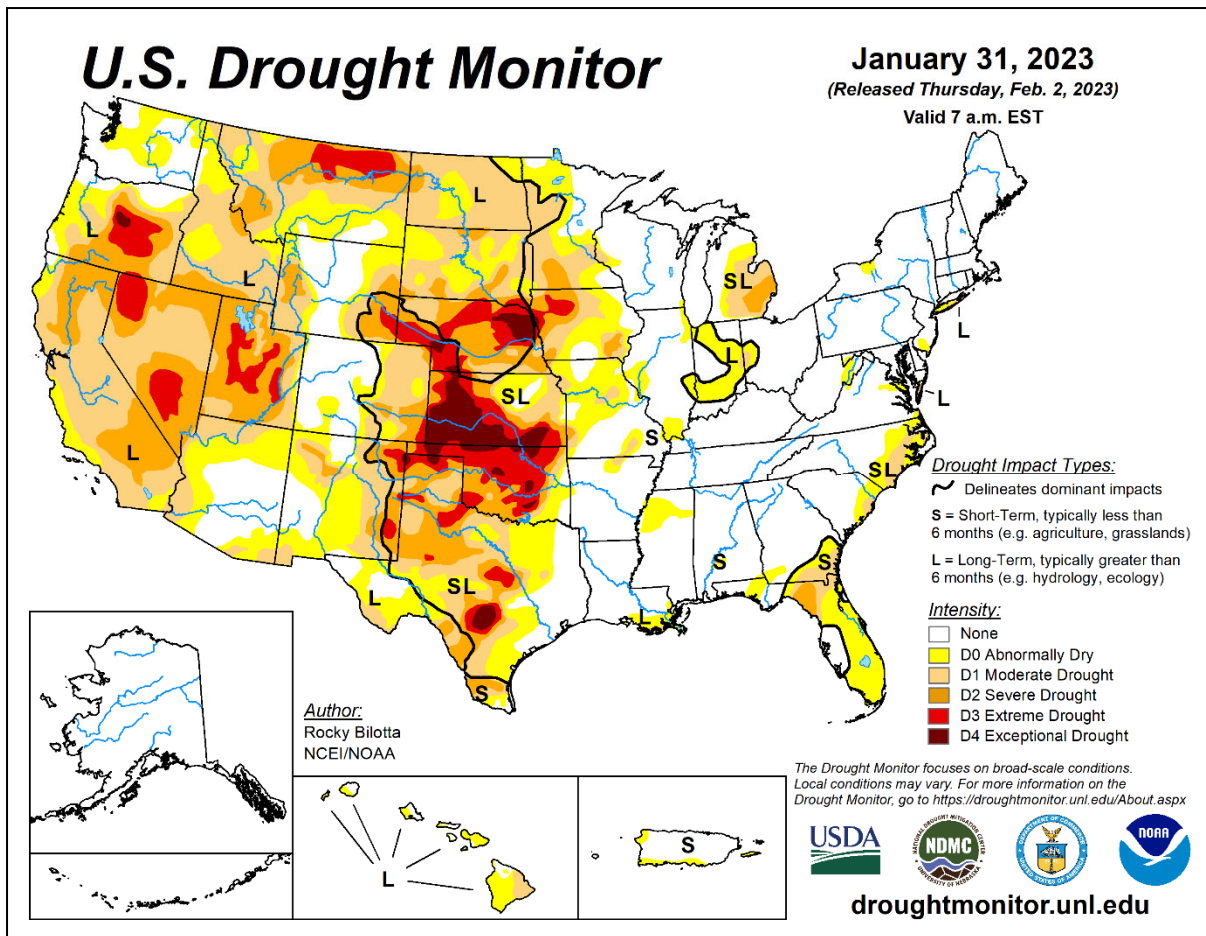
In the **Northeast**, the late-week cold blast delivered some of the coldest air in decades, albeit fleetingly. Consecutive daily record lows were established on February 3-4 in locations such as **Augusta, ME** (-16 and -17°F, respectively); **Worcester, MA** (-10 and -13°F); **Boston, MA** (-8 and -10°F); and **Providence, RI** (-4 and -9°F). **Boston's** minimum temperature of -10°F was the lowest reading in that location since January 15, 1957, when it was -12°F. For many other **Northeastern** towns and cities, including **Worcester** and **Providence**, February 4 was the coldest day since mid-February 2016. In **New York**, record-setting lows for the 4th plummeted to -33°F in **Watertown** and **Saranac Lake**. For **Saranac Lake**, it was the lowest reading since January 24, 2011, when the temperature fell to -37°F. **Mount Washington, NH**, highest peak in the **northeastern U.S.** with an elevation of 6,288 feet, set multiple records, including lowest February temperature at that location (-47°F) and lowest-ever U.S. wind-chill temperature (-108°F). Both records occurred around 4 am EST on February 4, when the temperature was -47°F and northwesterly winds were gusting to 97 mph. Earlier, on the 3rd, **Mount Washington** had clocked a peak gust to 127 mph, as wind-chill temperatures remained below -100°F for more than 15 hours on February 3-4 from 5 pm to 8 am EST. **Mount Washington** also tied its all-time station record of -47°F, originally set in January 1934. Farther south, however, record-setting warmth lingered across the **lower Southeast**. In fact, monthly records were broken on January 30 in locations such as **Jacksonville, FL** (87°F; previously, 85°F on January 30, 2013, and January 3, 2020), and **Saint Simons Island, GA** (84°F; previously, 83°F on January 13, 1972, and January 2, 2022). Elsewhere, **Vero Beach, FL**, opened February with three consecutive daily-record highs (84, 86, and 87°F). In contrast, frigid air settled across the **Plains**, **Rockies**, and **Intermountain West**. Famously cold **Peter Sinks, UT**, reported an unofficial minimum reading of -62°F on January 30, pending verification, while temperatures in **Wyoming** dipped to -42°F in **West Yellowstone**, -36°F in **Worland**, and -34°F in **Greybull**. On the **High Plains**, daily-record lows included -10 (on the 30th) in **Denver, CO**, and -22°F (on the 31st) in **Scottsbluff, NE**. Cold weather was slow to ease across the **Intermountain West**, where **Randolph, UT**, reported minima of -34, -40, -35, and -35°F from January 30 – February 2.

In late January, heavy rain drenched the **central Gulf Coast region**. On January 29 in **Louisiana**, both **Baton Rouge** and **New Iberia**



received daily-record totals of 4.04 inches. Farther north, rain briefly changed to snow in the **middle Atlantic States**, leading to the first official accumulation of the season on February 1 in **Washington, DC** (0.4 inch); **Philadelphia, PA** (0.3 inch); and **New York's Central Park** (0.4 inch). For **Central Park**, it marked a record-late date for the season's first accumulation, previously set with 1.8 inches on January 29, 1973. Meanwhile in the **South**, a 4-day winter weather event began on January 30. **Dallas-Fort Worth, TX**, received precipitation (sleet, freezing rain, and rain) totaling 1.05 inches, including 1.3 inches of sleet on January 31. Similarly, **Waco, TX**, reported 1.24 inches from January 30 – February 2. Both locations noted temperatures ranging from 25 to 35°F during the 4-day period. **Austin, TX**, was hit hard by ice, with a daily-record total of 1.12 inches on February 1 falling mostly as freezing rain. Elsewhere, gusty winds developed across **southern California**, with widespread gusts ranging from 50 to 80 mph reported at higher elevations on the morning of January 31. Some gusts reached coastal communities, where **Camarillo, CA**, clocked a gust to 57 mph on that date.

Mild weather covered much of **Alaska**, although some cold air lurked in northern locations. Snow developed in many areas, especially in early February, with **Fairbanks** receiving 6.5 inches during the first 4 days of the month. Similarly, **Anchorage** netted 8.4 inches of snow from February 1-4. Parts of **southeastern Alaska** also received heavy snow, with **Juneau** measuring 9.6 inches during the first 4 days of February. The bulk of **Juneau's** snow, 6.8 inches, fell on February 2. **Ketchikan** was deluged by exactly 10.00 inches of rain from February 1-5, reporting more than an inch each day. Farther south, parts of **Hawaii** received heavy showers early in the week and again at week's end. On **Kauai**, **Lihue** reported 2.66 inch of rain during the last 3 days of January, followed by 1.96 inches on February 3-4. **Honolulu, Oahu**, also ended the week with heavy rain, with a daily-record sum of 1.20 inches occurring on February 4. In a twist, **Hilo** (on the **Big Island**) was one **Hawaii's** drier spots in January, with monthly rainfall totaling 2.06 inches (26 percent of normal). Elsewhere, **Kahului, Maui**, received a January sum of 4.81 inches (199 percent of normal), while **Lihue** netted 5.05 inches (182 percent).



## National Weather Data for Selected Cities

## Weather Data for the Week Ending February 4, 2023

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AK	ANCHORAGE	28	22	31	10	25	6	0.39	0.19	0.12	4.88	239	0.98	110	99	90	0	7	5	0	
	BARROW	-5	-12	-1	-24	-9	0	0.01	-0.03	0.01	0.79	201	0.17	102	82	72	0	7	1	0	
	FAIRBANKS	18	8	26	-5	13	17	0.35	0.23	0.13	2.00	160	0.83	122	85	74	0	7	7	0	
	JUNEAU	33	29	34	21	31	2	0.78	-0.49	0.28	10.37	78	7.22	107	97	80	0	7	6	0	
	KODIAK	39	30	42	20	35	3	0.57	-1.14	0.31	13.80	76	7.53	80	96	77	0	5	5	0	
AL	NOME	23	4	34	-20	13	6	0.33	0.11	0.23	2.79	131	1.16	108	99	82	0	7	4	0	
	BIRMINGHAM	54	40	64	27	47	1	1.39	0.22	0.99	12.37	117	8.12	142	93	63	0	2	3	1	
	HUNTSVILLE	48	36	60	24	42	-1	1.97	0.84	0.98	12.26	106	6.16	108	95	65	0	2	5	2	
	MOBILE	67	51	78	34	59	7	0.63	-0.52	0.55	8.86	75	4.11	65	91	57	0	0	4	1	
	MONTGOMERY	62	46	73	31	54	5	2.70	1.54	1.13	9.96	96	6.40	120	92	62	0	1	5	2	
AR	FORT SMITH	40	28	57	26	34	-8	0.30	-0.32	0.19	5.86	87	1.94	59	92	70	0	7	3	0	
	LITTLE ROCK	45	32	61	27	38	-4	2.62	1.86	1.45	14.54	160	8.38	211	87	66	0	5	5	2	
AZ	FLAGSTAFF	40	14	50	0	27	-5	0.16	-0.28	0.12	8.10	192	5.79	251	83	42	0	7	2	0	
	PHOENIX	69	44	76	40	56	-2	0.00	-0.18	0.00	3.02	176	1.01	104	64	23	0	0	0	0	
CA	PRESCOTT	53	25	65	20	39	-2	0.04	-0.22	0.04	3.61	153	2.71	200	81	33	0	6	1	0	
	TUCSON	68	37	79	35	53	-2	0.00	-0.20	0.00	2.98	155	1.74	180	67	21	0	0	0	0	
	BAKERSFIELD	59	39	69	34	49	-2	0.31	0.04	0.20	3.61	147	1.99	148	88	45	0	0	2	0	
	EUREKA	56	37	66	33	47	-2	0.57	-0.80	0.28	14.21	91	5.17	69	84	46	0	0	3	0	
	FRESNO	60	38	68	32	49	-1	0.02	-0.44	0.02	8.43	200	3.92	161	91	39	0	1	1	0	
CO	LOS ANGELES	63	46	67	41	55	-3	0.68	0.04	0.66	9.31	169	6.85	211	84	36	0	0	2	1	
	REDDING	55	35	66	29	45	-4	0.79	-0.59	0.59	18.15	137	9.95	145	75	35	0	3	2	1	
	SACRAMENTO	55	35	59	30	45	-4	0.43	-0.42	0.20	13.27	174	5.48	131	83	47	0	3	3	0	
	SAN DIEGO	63	47	68	42	55	-3	0.32	-0.11	0.28	6.67	170	5.12	229	84	41	0	0	2	0	
	SAN FRANCISCO	58	44	62	36	51	-1	1.24	0.32	0.63	20.02	233	10.43	234	82	39	0	0	3	2	
CT	STOCKTON	56	35	61	30	46	-4	0.14	-0.48	0.07	14.28	262	5.75	189	89	47	0	2	3	0	
	ALAMOSA	43	2	49	-3	23	3	0.00	-0.07	0.00	0.41	58	0.39	110	84	23	0	7	0	0	
	CO SPRINGS	39	11	60	-2	25	-7	0.09	0.01	0.04	0.92	162	0.41	123	62	33	0	7	2	0	
	DENVER INTL	30	7	51	-10	19	-13	0.07	-0.02	0.04	2.39	301	1.23	282	75	49	0	7	3	0	
	GRAND JUNCTION	41	19	46	8	30	-1	0.08	-0.05	0.08	2.01	157	0.76	111	83	37	0	7	1	0	
DC	PUEBLO	42	2	68	-12	22	-11	0.01	-0.06	0.01	0.30	48	0.17	50	78	35	0	7	1	0	
	BRIDGEPORT	41	19	51	-4	30	-1	0.02	-0.69	0.02	9.11	120	5.04	140	76	40	0	6	1	0	
	HARTFORD	38	15	51	-9	26	-1	0.00	-0.72	0.00	10.16	130	5.72	154	71	33	0	7	0	0	
	WASHINGTON	45	31	61	16	38	0	0.23	-0.43	0.16	5.43	81	1.67	51	82	41	0	3	3	0	
	WILMINGTON	41	24	53	13	33	-1	0.06	-0.68	0.06	7.66	102	2.47	67	88	45	0	6	1	0	
FL	DAYTONA BEACH	80	59	85	52	70	10	0.17	-0.43	0.17	2.29	42	1.19	38	97	52	0	0	1	0	
	JACKSONVILLE	78	51	87	40	65	9	0.12	-0.63	0.12	2.39	37	2.18	59	97	53	0	0	1	0	
	KEY WEST	80	71	82	67	76	5	0.00	-0.41	0.00	4.13	97	0.09	4	91	72	0	0	0	0	
	MIAMI	83	69	88	64	76	7	0.37	-0.14	0.37	2.15	46	0.43	19	91	59	0	0	1	0	
	ORLANDO	82	59	86	50	71	9	0.21	-0.35	0.21	2.14	40	1.21	43	95	51	0	0	1	0	
GA	PENSACOLA	73	55	81	39	64	9	0.58	-0.58	0.40	9.64	86	4.18	73	95	58	0	0	4	0	
	TALLAHASSEE	75	55	83	41	65	12	0.94	-0.04	0.56	9.06	98	7.00	141	95	60	0	0	4	1	
	TAMPA	79	60	84	51	70	7	0.34	-0.36	0.34	4.25	75	1.87	61	93	57	0	0	1	0	
	WEST PALM BEACH	82	66	87	57	74	7	0.20	-0.56	0.16	3.83	51	0.36	9	93	59	0	0	2	0	
	ATHENS	57	41	67	28	49	4	1.69	0.66	0.91	14.59	155	9.88	198	93	60	0	1	5	1	
HI	ATLANTA	56	43	67	30	50	4	1.63	0.53	0.77	11.44	116	8.03	153	89	61	0	1	5	2	
	AUGUSTA	60	42	74	30	51	3	1.82	0.96	0.68	11.18	136	7.44	171	97	60	0	2	4	1	
	COLUMBUS	61	46	66	33	54	4	2.32	1.31	0.75	9.10	94	7.54	156	92	66	0	0	6	3	
	MACON	61	44	71	30	53	4	2.21	1.17	1.18	11.05	116	9.06	184	94	67	0	1	5	1	
	SAVANNAH	68	48	82	36	58	7	1.78	1.02	0.92	6.38	92	4.66	126	93	58	0	0	4	2	
IA	HILO	79	65	83	63	72	1	1.40	-0.74	0.74	9.93	46	2.46	26	95	65	0	0	5	1	
	HONOLULU	81	70	83	69	75	2	1.56	1.14	1.20	3.86	90	1.64	78	90	67	0	0	4	1	
	KAHULUI	80	66	84	63	73	0	1.18	0.65	1.11	8.62	156	4.82	177	94	63	0	0	4	1	
	LIHUE	78	69	82	66	74	2	4.59	3.86	2.13	11.81	150	6.97	216	94	67	0	0	5	2	
	BURLINGTON	28	6	53	-1	17	-8	0.00	-0.32	0.00	2.41	68	1.61	97	73	48	0	7	0	0	
ID	CEDAR RAPIDS	21	-1	44	-9	10	-10	0.00	-0.23	0.00	1.50	56	1.20	110	81	57	0	7	0	0	
	DES MOINES	24	2	48	-4	13	-10	0.00	-0.27	0.00	3.54	125	1.63	131	74	48	0	7	0	0	
	DUBUQUE	18	-3	37	-14	8	-12	0.00	-0.33	0.00	4.58	138	2.37	157	80	55	0	7	0	0	
	SIOUX CITY	18	-4	40	-14	7	-14	0.00	-0.17	0.00	3.09	173	1.43	180	88	57	0	7	0	0	
	WATERLOO	18	-7	38	-21	5	-15	0.00	-0.25	0.00	3.67	140	2.02	173	80	54	0	7	0	0	
IL	BOISE	35	16	50	9	26	-8	0.00	-0.27	0.00	2.54	82	0.70	44	74	48	0	7	0	0	
	LEWISTON	40	27	54	10	33	-5	0.00	-0.26	0.00	1.54	64	0.37	28	55	31	0	3	0	0	
	POCATELLO	21	-4	33	-16	9	-18	0.03	-0.20	0.03	2.63	111	1.04	84	81	50	0	7	1	0	
	CHICAGO/O_HARE	25	6	42	-1	16	-9	0.02	-0.37	0.02	4.66	107	2.52	113	67	44	0	7	1	0	
	MOLINE	27	6	50	0	16	-7	0.00	-0.35	0.00	3.83	98	2.17	116	68	47	0	7	0	0	
IN	PEORIA	30	8	54	2	19	-7	0.00	-0.39	0.00	4.26	94	1.61	70	74	43	0	7	0	0	
	ROCKFORD	25	1	57	-11	13	-9	0.00	-0.33	0.00	4.40	118	1.87	104	77	50	0	7	0	0	
	SPRINGFIELD	32	11	52	5	22	-7	0.01	-0.38	0.01	3.56	80	1.48	65	78	45	0	7	1	0	
	EVANSVILLE	37	22	48	17	29	-5	0.25	-0.44	0.21	9.01	119	5.47	145	86	55	0	6	3	0	
	FORT WAYNE	30	13	39	4	22	-4	0.14	-0.33	0.14	4.83	91	2.65	94	81	55	0	7	1	0	

Weather Data for the Week Ending February 4, 2023

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY	WICHITA	38	15	62	7	26	-8	0.00	-0.23	0.00	2.00	90	1.21	122	79	39	0	7	0	0
	LEXINGTON	41	27	51	17	34	-1	0.80	0.00	0.53	9.61	118	6.23	160	88	61	0	6	3	1
	LOUISVILLE	40	26	51	20	33	-4	0.33	-0.39	0.14	8.57	108	5.32	139	82	56	0	6	3	0
LA	PADUCAH	37	24	51	20	30	-6	0.75	-0.07	0.38	12.00	139	7.55	174	82	56	0	6	3	0
	BATON ROUGE	62	47	72	34	54	1	5.19	3.93	4.04	18.12	146	10.86	154	97	72	0	0	4	3
	LAKE CHARLES	56	44	70	33	50	-5	2.64	1.65	1.62	15.13	138	5.91	92	98	74	0	0	5	2
MA	NEW ORLEANS	67	54	80	44	60	5	0.50	-0.50	0.38	11.01	104	2.99	52	97	70	0	0	3	0
	SHREVEPORT	50	37	70	34	44	-6	0.00	-0.96	0.00	0.00	0	0.00	0	92	71	0	0	0	0
	BOSTON	37	17	51	-10	27	-3	0.04	-0.70	0.04	8.85	108	5.16	135	71	37	0	5	1	0
MD	WORCESTER	35	14	49	-13	24	-1	0.04	-0.74	0.04	12.20	147	6.11	154	68	36	0	5	1	0
	BALTIMORE	44	27	59	14	35	1	0.10	-0.60	0.09	6.43	89	1.65	47	79	37	0	5	2	0
	CARIBOU	16	-11	24	-22	3	-8	0.49	-0.10	0.40	9.52	138	5.01	152	82	54	0	7	4	0
MI	PORTLAND	31	9	45	-14	20	-4	0.10	-0.70	0.06	11.68	137	7.73	194	74	43	0	7	2	0
	ALPENA	23	3	31	-9	13	-6	0.17	-0.19	0.12	3.54	91	2.08	103	84	49	0	7	4	0
	GRAND RAPIDS	26	10	36	2	18	-6	0.15	-0.33	0.14	3.99	75	2.54	90	79	59	0	7	2	0
MN	HOUGHTON LAKE	21	4	30	-1	13	-5	0.15	-0.17	0.11	3.00	82	1.69	90	82	57	0	7	3	0
	LANSING	26	9	37	0	17	-6	0.09	-0.28	0.08	2.89	69	1.91	84	77	55	0	7	2	0
	MUSKEGON	29	14	40	10	21	-5	0.16	-0.32	0.08	3.94	77	2.76	102	77	55	0	7	3	0
MO	TRAVERSE CITY	23	11	34	7	17	-5	0.02	-0.25	0.02	1.78	49	1.12	62	77	56	0	7	1	0
	DULUTH	7	-14	22	-22	-4	-15	0.00	-0.19	0.00	4.77	188	1.56	147	79	52	0	7	0	0
	INT_L FALLS	4	-25	17	-36	-10	-16	0.02	-0.13	0.02	0.56	29	0.26	29	85	53	0	7	1	0
MS	MINNEAPOLIS	12	-6	28	-13	3	-14	0.00	-0.18	0.00	4.00	185	2.23	225	74	48	0	7	0	0
	ROCHESTER	11	-9	28	-17	1	-14	0.00	-0.22	0.00	3.80	159	2.19	197	84	61	0	7	0	0
	ST. CLOUD	10	-15	24	-18	-3	-15	0.00	-0.14	0.00	3.48	215	1.59	214	83	52	0	7	0	0
MT	COLUMBIA	36	15	56	9	26	-7	0.01	-0.43	0.01	2.43	54	1.22	51	71	41	0	7	1	0
	KANSAS CITY	37	13	56	8	25	-5	0.00	-0.29	0.00	3.04	104	1.85	139	66	33	0	7	0	0
	SAINT LOUIS	37	18	55	11	27	-6	0.08	-0.41	0.07	4.14	77	2.19	76	70	42	0	7	2	0
NC	SPRINGFIELD	36	19	50	12	28	-8	0.09	-0.38	0.08	5.02	92	2.80	99	84	53	0	7	2	0
	JACKSON	54	40	65	30	47	-1	3.15	1.85	1.54	14.25	126	8.63	140	95	70	0	1	5	2
	MERIDIAN	55	41	62	28	48	-1	3.50	2.18	1.46	12.37	106	8.36	131	97	67	0	1	6	2
ND	TUPELO	48	36	60	26	42	-3	2.35	1.21	1.22	13.13	115	5.98	109	89	62	0	2	5	2
	BILLINGS	28	12	49	-11	20	-8	0.01	-0.11	0.01	1.09	91	0.48	77	68	46	0	6	1	0
	BUTTE	23	-10	43	-36	7	-14	0.00	-0.10	0.00	0.94	98	0.46	96	89	53	0	7	0	0
NE	CUT BANK	31	11	50	-11	21	-1	0.00	-0.05	0.00	0.04	7	0.04	16	79	50	0	6	0	0
	GLASGOW	18	-2	43	-16	8	-7	0.00	-0.08	0.00	2.34	261	1.46	300	77	60	0	7	0	0
	GREAT FALLS	29	12	46	-15	21	-5	0.00	-0.14	0.00	1.97	169	1.06	167	81	55	0	6	0	0
NC	HAVRE	24	7	40	-5	15	-4	0.04	-0.05	0.04	1.97	222	0.50	104	84	65	0	7	1	0
	MISSOULA	25	6	47	-11	16	-11	0.06	-0.15	0.06	2.21	102	0.95	87	90	64	0	7	1	0
	ASHEVILLE	50	35	62	20	42	3	0.79	-0.09	0.39	8.92	101	5.35	115	92	54	0	2	5	0
ND	CHARLOTTE	55	39	69	27	47	4	1.19	0.45	0.73	10.98	146	6.44	164	93	59	0	2	5	1
	GREENSBORO	49	34	64	21	42	1	0.87	0.17	0.39	8.55	123	4.80	126	88	60	0	2	5	0
	HATTERAS	51	41	63	29	46	-2	2.27	1.09	1.13	7.86	76	4.58	82	97	73	0	2	5	2
NE	RALEIGH	53	38	67	23	45	3	1.03	0.34	0.43	7.32	101	3.68	96	88	56	0	2	5	0
	WILMINGTON	58	41	69	26	49	2	0.65	-0.26	0.32	5.02	62	2.86	66	97	64	0	1	6	0
	BISMARCK	22	-8	54	-20	7	-7	0.00	-0.10	0.00	2.28	199	0.19	34	83	49	0	7	0	0
ND	DICKINSON	21	1	41	-17	11	-6	0.00	-0.05	0.00	0.14	31	0.00	0	83	59	0	7	0	0
	FARGO	7	-16	31	-22	-4	-14	0.01	-0.13	0.01	2.20	130	0.24	29	87	69	0	7	1	0
	GRAND FORKS	6	-18	24	-26	-6	-13	0.02	-0.08	0.02	1.46	121	0.15	27	80	64	0	7	1	0
NE	JAMESTOWN	13	-11	42	-18	1	-9	0.00	-0.06	0.00	0.56	80	0.13	37	81	61	0	7	0	0
	GRAND ISLAND	27	7	49	0	17	-10	0.00	-0.17	0.00	1.54	99	1.10	154	77	52	0	7	0	0
	LINCOLN	30	5	50	2	18	-8	0.00	-0.20	0.00	1.92	94	1.29	150	76	41	0	7	0	0
NE	NORFOLK	22	-1	43	-8	10	-13	0.00	-0.17	0.00	2.13	136	1.45	202	81	54	0	7	0	0
	NORTH PLATTE	25	-1	44	-11	12	-15	0.05	-0.06	0.03	3.20	353	1.87	412	85	59	0	7	2	0
	OMAHA	28	5	51	0	16	-9	0.00	-0.19	0.00	2.24	107	1.20	139	78	45	0	7	0	0
NH	SCOTTSBLUFF	29	2	47	-22	16	-13	0.15	0.04	0.11	2.12	217	1.47	322	77	49	0	7	2	0
	VALENTINE	23	-3	43	-16	10	-15	0.06	-0.04	0.06	5.42	662	3.20	820	84	64	0	7	1	0
	CONCORD	32	7	45	-15	19	-3	0.04	-0.60	0.02	9.80	142	5.79	181	80	37	0	7	2	0
NJ	ATLANTIC_CITY	43	24	57	12	33	-1	0.18	-0.60	0.15	9.28	111	3.77	98	87	44	0	5	2	0
	NEWARK	43	25	57	5	34	1	0.08	-0.65	0.06	8.73	109	4.25	110	71	31	0	5	2	0
	ALBUQUERQUE	53	25	60	21	39	0	0.00	-0.08	0.00	0.92	97	0.30	71	58	18	0	7	0	0
NV	ELY	28	-1	39	-21	14	-14	0.06	-0.13	0.06	3.68	241	2.19	254	84	57	0	7	1	0
	LAS VEGAS	56	37	61	31	46	-5	0.06	-0.08	0.06	0.76	68	0.69	105	57	25	0	2	1	0
	RENO	40	16	53	4	28	-10	0.26	0.02	0.19	7.68	308	2.61	187	84	37	0	7	2	0
NY	ALBANY	33	11	44	-13	22	-2	0.03	-0.50	0.03	7.02	113	3.25	111	76	46	0	7	1	0
	BINGHAMTON	27	9	40	-13	18	-4	0.17	-0.38	0.14	7.08	117	3.34	113	88	55	0	7	3	0
	BUFFALO	29	13	40	0	21	-3	0.31	-0.31	0.16	13.64	183	3.86	104	79	52	0	7	3	0
OH	ROCHESTER	29	13	42	-8	21	-5	0.16	-0.36	0.05	17.82	323	3.55	125	84	53	0	7	5	0
	SYRACUSE	31	12	45	-13	21	-2	0.21	-0.32	0.07	7.26	117	4.10	141	82	49	0	7	5	0
	AKRON-CANTON	33	17	46	8	25	-3	0.35	-0.22	0.18	6.72	109	4.85	149	78	49	0	7	5	0
OH	CINCINNATI	36	21	48	16	29	-3	0.15	-0.56	0.08	6.56	88	3.91	105	88	56	0	6	3	0

## Weather Data for the Week Ending February 4, 2023

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK	YOUNGSTOWN	31	16	44	5	24	-3	0.22	-0.35	0.13	6.39	97	4.82	143	85	49	0	7	3	0
	OKLAHOMA CITY	38	22	61	16	30	-10	0.04	-0.26	0.02	2.89	88	0.88	59	83	47	0	6	3	0
	TULSA	38	22	58	16	30	-10	0.11	-0.22	0.08	3.89	91	1.34	73	87	48	0	6	2	0
OR	ASTORIA	48	32	54	25	40	-4	0.70	-1.32	0.38	18.85	84	7.30	62	87	48	0	5	2	0
	BURNS	29	5	41	-10	17	-11	0.00	-0.27	0.00	3.73	124	1.36	92	80	49	0	7	0	0
	EUGENE	47	28	55	22	37	-5	0.08	-1.08	0.08	7.80	56	2.80	41	89	52	0	6	1	0
PA	MEDFORD	53	27	60	18	40	-3	0.00	-0.50	0.00	4.78	73	0.78	25	84	22	0	5	0	0
	PENDLETON	40	21	57	10	31	-6	0.00	-0.31	0.00	2.08	65	0.60	35	78	43	0	6	0	0
	PORTLAND	46	31	53	23	38	-5	0.17	-0.82	0.11	11.81	104	3.46	62	76	45	0	5	2	0
	SALEM	46	28	53	22	37	-6	0.18	-1.03	0.18	9.11	66	3.51	52	87	50	0	6	1	0
	ALLENTOWN	39	20	54	4	29	-1	0.06	-0.67	0.04	8.36	110	4.02	108	77	41	0	7	2	0
	ERIE	31	18	46	9	24	-3	0.39	-0.24	0.23	6.69	84	5.64	149	84	52	0	7	4	0
	MIDDLETOWN	42	24	54	14	33	2	0.00	-0.69	0.00	6.88	100	2.52	73	74	41	0	5	0	0
	PHILADELPHIA	42	28	54	15	35	1	0.04	-0.67	0.02	8.16	108	3.35	94	83	40	0	4	2	0
	PITTSBURGH	35	17	46	5	26	-3	0.22	-0.40	0.13	5.26	85	3.60	108	85	50	0	6	3	0
	WILKES-BARRE	36	17	49	-1	26	-1	0.08	-0.44	0.04	6.33	111	2.68	92	80	45	0	7	2	0
RI	WILLIAMSPORT	38	20	49	4	29	1	0.04	-0.55	0.04	8.39	127	3.31	100	79	43	0	6	1	0
	PROVIDENCE	38	16	52	-9	27	-3	0.04	-0.79	0.04	12.65	139	6.66	150	76	38	0	6	1	0
SC	CHARLESTON	64	47	81	33	56	5	1.94	1.15	0.74	5.91	82	4.24	111	95	60	0	6	2	0
	COLUMBIA	59	42	74	31	51	4	1.23	0.44	0.46	9.45	123	6.46	163	97	57	0	2	4	0
	FLORENCE	59	40	69	28	49	2	0.91	0.19	0.34	8.21	117	5.50	157	96	60	0	3	5	0
SD	GREENVILLE	55	39	67	25	47	3	1.09	0.20	0.77	12.78	138	8.34	179	89	54	0	2	4	1
	ABERDEEN	14	-11	41	-24	2	-12	0.00	-0.12	0.00	1.77	142	0.33	52	87	67	0	7	0	0
	HURON	16	-6	38	-15	5	-12	0.01	-0.13	0.01	2.12	159	0.38	57	81	62	0	7	1	0
TN	RAPID CITY	28	1	53	-24	15	-10	0.02	-0.07	0.02	1.41	196	0.72	198	87	55	0	7	1	0
	SIOUX FALLS	16	-7	39	-13	5	-14	0.00	-0.16	0.00	4.15	270	2.53	360	79	55	0	7	0	0
	BRISTOL	46	32	53	18	39	2	1.25	0.37	0.47	8.75	110	4.89	117	88	64	0	3	5	0
TX	CHATTANOOGA	51	39	57	26	45	2	1.89	0.74	0.79	12.36	113	6.30	110	89	59	0	2	5	1
	KNOXVILLE	46	35	53	22	40	0	1.64	0.54	0.58	12.11	116	6.63	122	93	65	0	2	5	1
	MEMPHIS	40	29	58	25	35	-8	1.85	0.89	0.68	14.84	145	8.93	189	97	81	0	6	5	2
	NASHVILLE	43	31	52	19	37	-4	1.34	0.34	0.78	8.30	91	3.90	84	91	69	0	5	4	1
	ABILENE	42	26	59	20	34	-14	0.31	0.04	0.24	1.44	57	0.98	78	92	64	0	6	2	0
	AMARILLO	42	18	69	7	30	-10	0.00	-0.15	0.00	0.40	26	0.25	31	83	44	0	6	0	0
	AUSTIN	47	32	75	29	40	-14	1.51	1.04	1.04	4.36	77	2.48	85	99	75	0	5	5	1
	BEAUMONT	57	44	73	36	51	-5	1.28	0.29	0.73	11.15	103	5.52	94	98	77	0	0	3	1
	BROWNSVILLE	64	46	82	37	55	-10	0.09	-0.19	0.04	0.60	24	0.35	27	99	73	0	0	3	0
	CORPUS CHRISTI	59	41	81	33	50	-10	0.06	-0.23	0.02	1.05	30	0.74	47	99	79	0	0	3	0
UT	DEL RIO	59	39	81	35	49	-6	0.05	-0.10	0.05	0.19	13	0.19	27	87	49	0	0	1	0
	EL PASO	64	34	71	30	49	0	0.00	-0.10	0.00	0.50	45	0.18	38	58	18	0	2	0	0
	FORT WORTH	42	29	59	25	35	-12	0.98	0.44	0.35	4.15	73	1.78	62	94	68	0	7	4	0
	GALVESTON	57	47	75	43	52	-5	1.08	0.33	0.53	6.36	71	3.19	68	94	77	0	0	4	1
	HOUSTON	53	38	74	35	46	-10	2.32	1.55	1.33	11.35	138	7.52	180	100	79	0	0	4	2
	LUBBOCK	44	23	67	17	34	-9	0.04	-0.11	0.04	1.06	70	0.64	86	87	47	0	6	1	0
	MIDLAND	43	25	64	20	34	-14	0.06	-0.09	0.06	0.34	25	0.26	35	97	64	0	7	1	0
	SAN ANGELO	42	27	60	23	35	-14	0.24	0.00	0.18	1.78	91	0.76	72	91	65	0	7	3	0
	SAN ANTONIO	51	35	77	31	43	-11	0.70	0.26	0.61	1.80	42	1.33	60	95	70	0	2	5	1
	VICTORIA	53	38	77	33	46	-10	0.48	-0.03	0.31	7.75	146	6.32	213	100	81	0	0	4	0
VA	WACO	43	28	62	26	36	-14	1.46	0.90	0.92	3.04	52	2.48	85	100	81	0	7	4	1
	WICHITA FALLS	42	25	64	20	33	-10	0.24	-0.04	0.17	3.30	113	1.27	93	88	54	0	7	4	0
	SALT LAKE CITY	33	16	42	9	24	-9	0.06	-0.25	0.06	5.03	167	2.74	171	81	55	0	7	1	0
	LYNCHBURG	46	32	63	16	39	3	0.59	-0.16	0.20	8.89	120	3.31	85	85	53	0	2	4	0
	NORFOLK	47	34	58	22	41	-2	0.63	-0.14	0.41	6.15	86	3.30	86	93	57	0	2	5	0
	RICHMOND	48	30	62	16	39	0	0.42	-0.25	0.25	7.65	107	3.16	87	82	49	0	4	4	0
	ROANOKE	49	32	63	19	40	2	0.58	-0.13	0.20	6.74	101	2.81	78	82	48	0	3	4	0
	WASH/DULLES	44	27	60	12	35	1	0.18	-0.48	0.07	6.32	95	1.41	42	82	42	0	4	3	0
	BURLINGTON	24	3	40	-15	14	-6	0.10	-0.32	0.04	5.90	121	3.33	140	80	46	0	7	3	0
	OLYMPIA	45	26	50	17	36	-5	0.71	-0.76	0.40	11.98	72	4.36	50	95	50	0	6	2	0
WY	QUILLAYUTE	47	35	52	22	41	-1	1.15	-1.76	0.80	25.90	83	11.29	65	95	57	0	2	2	1
	SEATTLE-TACOMA	45	33	52	24	39	-4	0.35	-0.78	0.21	10.85	89	3.36	52	79	45	0	3	2	0
	SPOKANE	33	19	46	5	26	-5	0.05	-0.31	0.05	5.05	112	1.50	69	86	54	0	6	1	0
WI	YAKIMA	37	19	45	9	28	-6	0.06	-0.17	0.06	3.08	111	0.94	71	80	42	0	7	1	0
	EAU CLAIRE	12	-9	27	-19	2	-13	0.00	-0.22	0.00	2.49	99	1.47	127	79	48	0	7	0	0
	GREEN BAY	16	-2	28	-10	7	-11	0.00	-0.27	0.00	2.90	87	1.22	78	70	47	0	7	0	0
WV	LA CROSSE	16	-3	32	-12	7	-13	0.00	-0.27	0.00	4.11	142	2.09	148	76	47	0	7	0	0
	MADISON	18	-2	34	-11	8	-12	0.01	-0.32	0.01	4.14	126	1.80	109	73	46	0	7	1	0
	MILWAUKEE	23	5	40	-3	14	-10	0.08	-0.30	0.08	4.29	110	2.02	101	61	41	0	7	1	0
WY	BECKLEY	40	26	51	10	33	0	0.63	-0.09	0.27	5.37	78	2.59	73	93	61	0	5	4	0
	CHARLESTON	40	25	55	13	33	-3	0.63	-0.12	0.37	4.97	68	3.79	102	92	63	0	5	3	0
	ELKINS	41	21	57	5	31	0	0.41	-0.35	0.26	6.15	83	3.02	79						

## International Weather and Crop Summary

**January 29 - February 4, 2023**

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

**EUROPE:** Dry conditions over western and southern Europe contrasted with rain and snow in eastern portions of the continent.

**MIDDLE EAST:** A pair of strong storms produced widespread rain and snow.

**NORTHWESTERN AFRICA:** Continued cold but drier weather favored fieldwork but further slowed the development of vegetative winter grains.

**SOUTHEAST ASIA:** Wet weather continued in eastern and southern sections of the region.

**AUSTRALIA:** Mid-week showers increased soil moisture for immature summer crops.

**SOUTH AFRICA:** Showers provided timely moisture for corn and other summer crops advancing through reproduction.

**ARGENTINA:** Warm, sunny weather fostered rapid growth of immature summer crops, after several weeks of beneficial rainfall.

**BRAZIL:** Widespread showers maintained overall favorable summer crop prospects, despite local problems with dryness and excessive moisture.

## January 2023

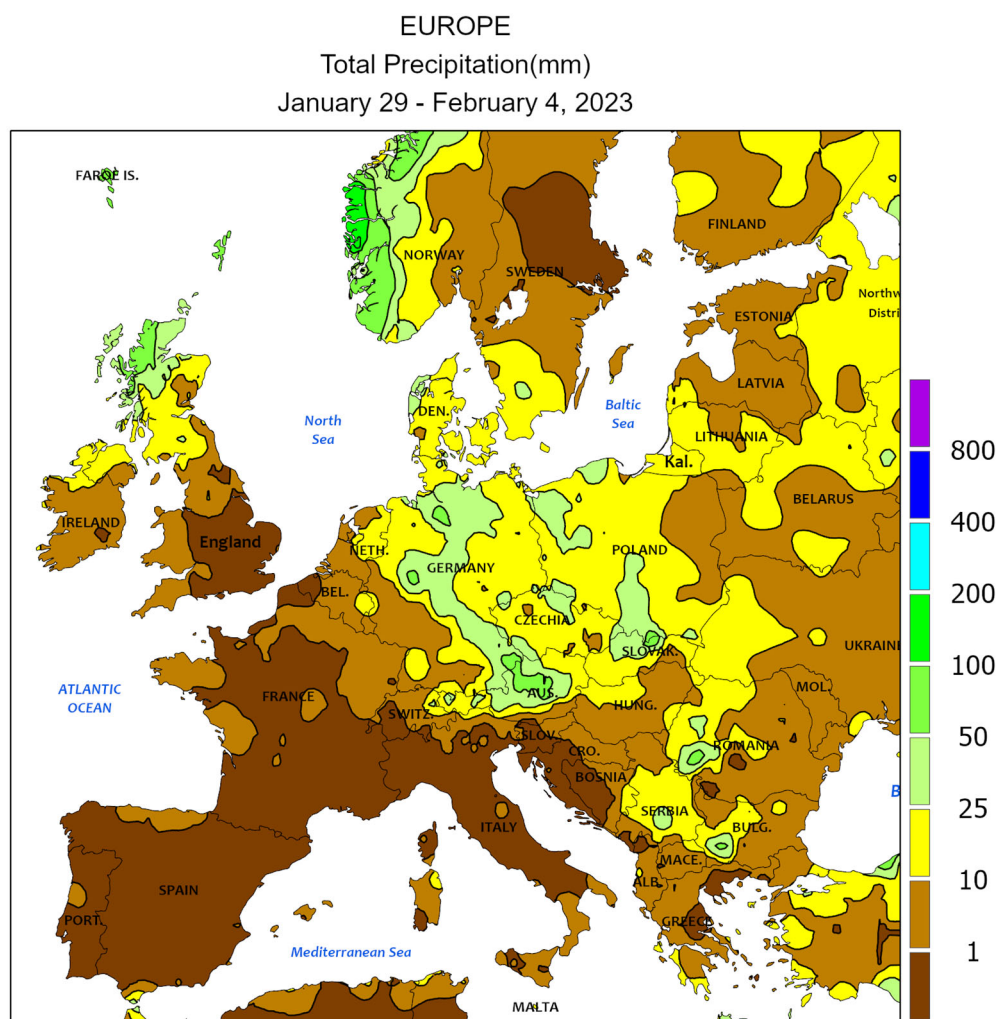
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	17	6	25	2	12	0.5	114	30
	BATNA	12	-2	18	-7	6	-0.7	12	-21
ARGENT	IGUAZU	32	20	37	0	26	-0.5	220	50
	FORMOSA	36	21	42	0	28	0.7	48	-115
	CERES	35	20	40	16	27	1.3	156	11
	CORDOBA	32	17	40	11	25	1.6	146	13
	RIO CUARTO	31	18	38	0	24	1	124	-1
	ROSARIO	34	19	40	11	26	1.6	95	-25
	BUENOS AIRES	33	20	38	12	26	1.9	45	-55
	SANTA ROSA	33	18	40	12	26	1.2	167	70
AUSTRA	TRES ARROYOS	31	17	36	8	24	1.7	95	15
	DARWIN	31	26	34	24	29	0.7	186	*****
	BRISBANE	28	21	31	18	24	-0.8	57	-73
	PERTH	33	18	39	13	26	0.5	0	-20
	CEDUNA	26	16	44	10	21	-1.5	*****	*****
	ADELAIDE	28	17	39	14	23	-0.1	*****	*****
	MELBOURNE	26	16	38	11	21	0.6	11	-32
	WAGGA	31	17	37	11	24	-1.2	106	67
AUSTRI	CANBERRA	27	13	34	6	20	-1.6	83	24
	VIENNA	6	1	14	-10	4	3.3	30	-3
BAHAMA	INNSBRUCK	5	-2	15	-9	2	1.8	22	-28
	NASSAU	28	18	30	0	23	0.7	2	-27
BARBAD	BRIDGETOWN	29	24	30	21	26	0	9	-50
BELARU	MINSK	0	-2	10	-20	-1	3.2	73	27
BERMUD	ST GEORGES	21	16	24	0	19	1.3	61	-67
BOLIVI	LA PAZ	16	4	20	-2	10	0.4	110	-19
BRAZIL	FORTALEZA	30	25	32	23	28	-0.3	257	146
	RECIFE	30	26	30	23	28	-1	63	-10
	CAMPO GRANDE	29	21	32	20	25	-1.6	350	177
	FRANCA	27	18	31	17	23	-0.7	480	146
	RIO DE JANEI	31	23	36	19	27	-0.5	104	-49
	LONDRINA	***	***	***	***	***	*****	*****	*****
	SANTA MARIA	33	20	38	16	27	1.3	75	-87
	SOFIA	7	1	18	-3	4	4.3	56	21
BULGAR	OUAGADOUGOU	34	12	39	0	23	-2.6	0	*****
CANADA	LETHBRIDGE	3	-6	11	-21	-2	*****	4	*****
	REGINA	-8	-16	3	-31	-12	2.6	7	-2
	WINNIPEG	-9	-15	0	-29	-12	3	101	82
	TORONTO	2	-3	5	-14	-1	4.2	77	21
	MONTREAL	-1	-8	4	-20	-4	5.1	105	26
	PRINCE ALBER	-6	-18	4	-32	-12	5.2	9	-10
	CALGARY	2	-9	10	-22	-3	3.6	18	7
	VANCOUVER	8	1	14	-6	5	0.5	123	-45
CANARY	LAS PALMAS	22	17	24	14	19	1.4	17	*****
CHILE	SANTIAGO	30	14	35	11	22	0.3	0	*****
CHINA	HARBIN	-12	-23	4	-33	-17	0.2	2	-3
	HAMI	-3	-15	3	-22	-9	0.2	0	-2
	BEIJING	4	-8	14	-17	-2	0.4	2	-2
	TIENTSIN	4	-7	14	-15	-1	1.2	2	-2
	LHASA	11	-5	18	-10	3	3	0	-2
	KUNMING	16	4	25	0	10	0.7	2	-24
	CHENGCHOW	8	-2	17	-7	3	1.6	12	0
	YEHCHANG	11	3	20	-3	7	2.3	8	-18
COTE D	HANKOW	12	0	22	-6	6	1.9	31	-22
	CHUNGKING	12	6	18	2	9	0.6	11	-10
	CHIHKIANG	13	3	27	-3	8	2.4	13	-34
	WU HU	11	1	22	-8	6	1.9	38	-29
	SHANGHAI	11	1	20	-7	6	1.2	76	6
	NANCHANG	12	5	22	-2	9	2.3	105	21
	TAIPEI	20	15	28	0	17	0.4	20	-73
	CANTON	19	11	28	2	15	1	42	-11
COLOMB	NANNING	18	11	27	5	14	1.1	36	-8
	BOGOTA	20	8	22	2	14	0.3	111	85
COTE D	ABIDJAN	32	25	34	21	28	1.1	20	-12
CUBA	CAMAGUEY	30	18	32	9	24	1.1	*****	*****
CYPRUS	LARNACA	20	10	22	6	15	2.2	123	*****
CZECHR	PRAGUE	5	1	14	-6	3	3.8	11	-10
DENMAR	COPENHAGEN	6	2	11	-5	4	2.9	75	35
EGYPT	CAIRO	20	12	27	10	16	1.8	0	*****
	ASWAN	25	10	31	8	18	1	0	*****

Based on Preliminary Reports

## January 2023

COUNTRY CITY		TEMPERATURE							PRECIP.		COUNTRY CITY		TEMPERATURE							PRECIP.	
		( C )							(MM)				( C )							(MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM		
ESTONI	TALLINN	0	-2	5	-14	-1	2.0	74	18	MOROCC	CASABLANCA	18	10	25	5	14	0.9	33	*****		
ETHIOP	ADDIS ABABA	***	***	28	7	***	*****	*****	*****		MARRAKECH	20	7	25	3	14	0.8	2	*****		
F GUIA	CAYENNE	28	22	30	19	25	-1.0	559	160	MOZAMB	MAPUTO	31	21	34	-25	26	-0.8	36	-104		
FIJI	NAUSORI	32	22	34	0	27	0.7	324	-36	N KORE	PYONGYANG	0	-9	9	-19	-5	0.7	19	8		
FINLAN	HELSINKI	0	-3	4	-12	-2	2.8	103	50	NEW CA	NOUMEA	30	24	33	21	27	0.5	62	-41		
FRANCE	PARIS/ORLY	8	4	14	-4	6	1.5	34	-11	NIGER	NIAMEY	33	9	39	0	21	-3.4	0	*****		
	STRASBOURG	8	3	17	-4	5	2.6	33	-3	NORWAY	OSLO	-1	-4	5	-15	-3	1.7	84	19		
	BOURGES	8	4	17	-3	6	0.9	52	-6	NZEALA	AUCKLAND	24	17	26	14	20	0.5	421	365		
	BORDEAUX	10	5	20	-3	8	0.4	60	-27		WELLINGTON	21	15	25	12	18	0.6	102	45		
	TOULOUSE	9	4	16	-4	6	0.1	28	-24	P RICO	SAN JUAN	29	23	31	21	26	0.5	132	29		
	MARSEILLE	12	4	19	-4	8	0.1	2	-46	PAKIST	KARACHI	26	12	30	0	18	-0.8	0	*****		
GABON	LIBREVILLE	30	24	31	22	27	-0.4	248	-9	PERU	LIMA	25	19	28	16	22	-1.3	0	*****		
GERMAN	HAMBURG	7	3	15	-2	5	3.2	84	17	PHILIP	MANILA	30	24	32	22	27	0.0	108	89		
	BERLIN	6	3	16	-5	5	3.5	59	12	PNEWGU	PORT MORESBY	31	24	34	20	27	-0.4	364	153		
	DUSSELDORF	7	4	15	-6	6	2.3	67	5	POLAND	WARSAW	5	2	19	-3	4	4.8	44	13		
	LEIPZIG	6	3	16	-6	4	3.5	31	-3		LODZ	5	2	17	-4	3	4.7	29	-9		
	DRESDEN	6	3	17	-6	4	3.6	33	-9		KATOWICE	5	1	16	-4	3	4.2	58	10		
	STUTTGART	6	2	17	-8	4	2.7	24	-16	PORTUG	LISBON	15	7	18	0	11	-0.5	53	-39		
	NURNBERG	6	2	15	-6	4	3.3	26	-14	ROMANI	BUCHAREST	9	1	21	-4	5	6.1	86	46		
	AUGSBURG	5	0	18	-8	3	3.1	17	-28	RUSSIA	ST.PETERSBUR	-1	-4	5	-17	-2	2.3	47	0		
GREECE	THESSALONIKA	13	6	20	1	10	3.6	60	22		KAZAN	-10	-14	1	-30	-12	-2.1	19	-27		
	LARISSA	12	3	21	-2	8	2.2	50	13		MOSCOW	-4	-6	5	-24	-5	1.5	30	-23		
	ATHENS	17	10	20	6	13	2.9	55	*****		YEKATERINBUR	-8	-14	21	-28	-11	1.7	16	-9		
GUADEL	RAIZET	28	21	29	17	25	-0.1	126	37		OMSK	-10	-15	0	-32	-12	4.5	26	4		
HONGKO	HONG KONG IN	20	15	27	10	17	0.4	10	-32		BARNAUL	-10	-15	3	-37	-12	3.9	35	12		
HUNGAR	BUDAPEST	7	2	13	-6	5	4.5	114	83		KHABAROVSK	-18	-27	-4	-40	-23	-3.6	2	-12		
ICELAN	REYKJAVIK	0	-4	8	-11	-2	-2.5	104	17		VLADIVOSTOK	-9	-16	4	-28	-12	-0.7	0	-13		
INDIA	AMRITSAR	16	6	22	1	11	0.4	12	-21		VOLGOGRAD	-3	-10	8	-23	-7	-0.5	0	-37		
	NEW DELHI	20	7	26	1	13	-0.5	119	96		ASTRAKHAN	2	-8	21	-21	-3	0.0	3	-11		
	AHMEDABAD	27	13	31	8	20	-0.2	1	*****		ORENBURG	-11	-19	2	-35	-15	-3.0	24	-5		
	INDORE	24	11	29	7	18	-0.3	0	-16	S AFRI	JOHANNESBURG	26	14	30	11	20	0.3	63	*****		
	CALCUTTA	26	15	31	11	20	2.4	0	*****		DURBAN	30	21	36	16	26	0.6	99	-28		
	VERAVAL	28	16	32	12	22	-0.4	0	*****		CAPE TOWN	27	17	32	12	22	0.9	101	90		
	BOMBAY	30	18	34	14	24	-1.0	0	*****	S KORE	SEOUL	3	-5	12	-17	-1	0.6	31	14		
	POONA	31	12	32	0	21	0.6	0	*****	SAMOA	PAGO PAGO	30	26	33	24	28	-0.2	356	-31		
	BEGAMPET	30	17	32	11	24	0.3	0	*****	SENEGA	DAKAR	28	21	37	18	24	2.7	0	*****		
	VISHAKHAPATN	30	22	33	18	26	1.3	0	*****	SPAIN	VALLADOLID	8	2	18	-4	5	0.5	31	-14		
	MADRAS	30	21	32	18	26	0.4	6	-21		MADRID	11	1	16	-5	6	0.5	10	-19		
	MANGALORE	33	22	34	19	27	0.2	0	*****		SEVILLE	16	6	19	0	11	-0.2	18	*****		
INDONE	SERANG	32	24	35	23	28	0.5	152	-138	SWITZE	ZURICH	5	2	16	-7	3	2.1	42	-20		
IRELAN	DUBLIN	8	4	14	-5	6	1.3	42	-21		GENEVA	6	2	17	-6	4	2.1	69	-2		
ITALY	MILAN	9	2	15	-4	6	1.9	61	24	SYRIA	DAMASCUS	15	3	20	-1	9	2.3	4	*****		
	VERONA	10	3	14	-4	6	3.4	71	31	TAHITI	PAPEETE	30	24	32	21	27	-0.8	406	174		
	VENICE	9	4	14	-3	6	2.3	0	-40	TANZAN	DAR ES SALAA	32	25	34	22	29	0.0	94	39		
	GENOA	13	8	18	3	10	1.1	69	*****	THAILA	PHITSANULOK	31	18	34	13	24	-1.0	0	-12		
	ROME	14	5	18	-1	9	0.6	24	-30		BANGKOK	32	23	36	20	28	-0.6	0	-30		
	NAPLES	14	6	19	0	10	0.5	160	73	TOGO	TABLIGBO	36	20	37	0	28	-0.6	*****	*****		
JAMAIC	KINGSTON	31	22	33	19	26	0.1	13	-6	TRINID	PORT OF SPAI	30	21	32	0	26	-0.6	52	-38		
JAPAN	SAPPORO	-1	-7	8	-13	-4	-0.9	74	-34	TUNISI	TUNIS	17	8	22	1	12	0.2	23	-40		
	NAGOYA	10	2	15	-4	6	0.6	27	-24	TURKEY	ISTANBUL	12	7	19	0	10	3.4	12	-53		
	TOKYO	10	2	14	-3	6	0.3	17	-43		ANKARA	9	-5	14	-9	2	2.9	3	-42		
	YOKOHAMA	10	4	15	-2	7	0.6	18	-49	TURKME	ASHKHABAD	6	-5	22	-16	1	-2.5	11	-7		
	KYOTO	10	2	15	-4	6	0.9	40	-13	UKINGD	ABERDEEN	7	2	16	-3	5	0.7	73	13		
	OSAKA	10	4	16	-2	7	0.8	48	1		LONDON	9	3	14	-8	6	0.2	55	-4		
KAZAKH	KUSTANAY	-9	-18	1	-35	-14	1.5	15	-3	UKRAIN	KIEV	1	-2	13	-10	0	2.9	20	-17		
	TSELINOGRAD	-10	-17	2	-33	-13	0.9	26	10		LVOV	4	0	15	-5	2	4.8	49	4		
	KARAGANDA	-9	-16	2	-31	-12	1.3	34	9		KIROVOGRAD	2	-2	13	-12	0	3.6	5	-34		
KENYA	NAIROBI	28	13	30	0	20	-0.5	1	*****		ODESSA	5	2	16	-3	3	3.4	27	-16		
LIBYA	BENGHAZI	19	10	22	7	14	1.3	83	*****		KHARKOV	0	-5	10	-18	-2	2.5	34	-2		
LITHUA	KAUNAS	2	0	14	-12	1	4.0	65	17	UZBEKI	TASHKENT	3	-6	16	-19	-1	-4.2	63	8		
LUXEMB	LUXEMBOURG	5	2	12	-6	3	2.0	159	87	VENEZU	CARACAS	***	***	0	0	***	*****	*****	*****		
MALAYS	KUALA LUMPUR	32	24	34	22	28	-0.4	204	-24	YUGOSL	BELGRADE	9	4	18	0	6	4.2	89	41		
MALI	TIMBUKTU	***	***	***	***	***	*****	*****	*****	ZAMBIA	LUSAKA	***	***	35	17	***	*****	272	*****		
	BAMAKO	34	18	39	11	26	1.6	0	*****	ZIMBAB	KADOMA	***	***	29	***	***	*****	*****	*****		
MARSHA	MAJURO	30	27	39	25	28	0.6	310	101												
MARTIN	LAMENTIN	29	22	30	19	26	-0.4	106	-7												
MAURIT	NOUAKCHOTT	***	***	35	12	***	*****	*****	*****												
MEXICO	GUADALAJARA	25	9	28	4	17	1.6	0	*****												
	TLAXCALA	23	6	33	1	15	1.5	0	*****												
	ORIZABA	23	13	30	0	18	2.2	22	*****												

Based on Preliminary Reports



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

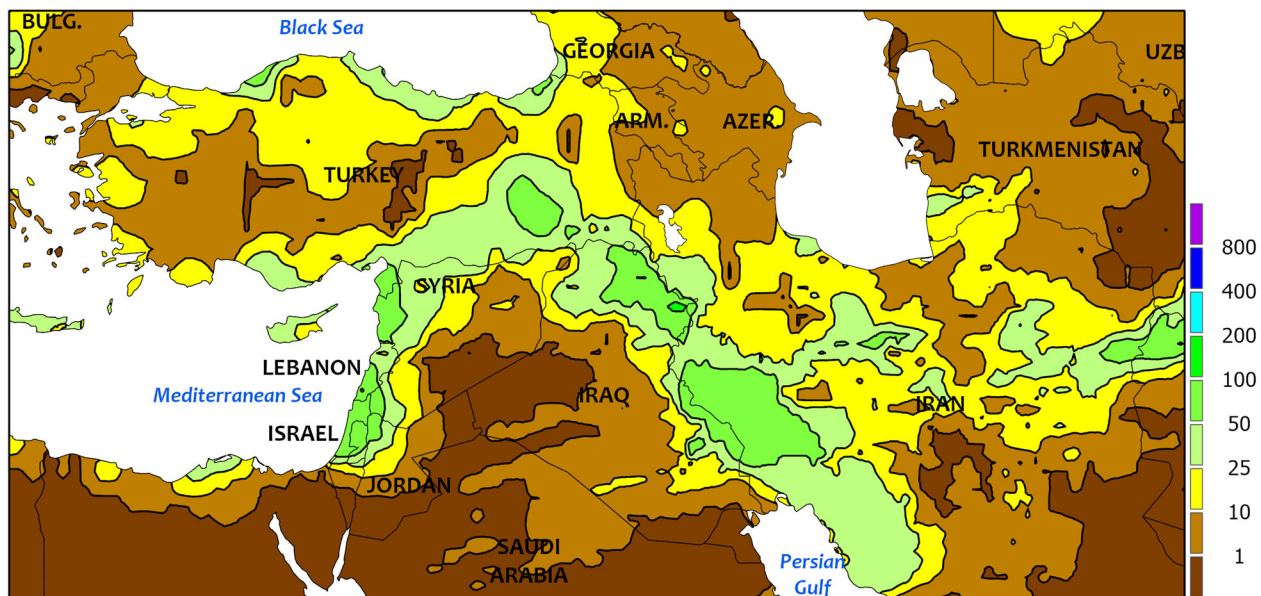


### EUROPE

Rain and snow across central and eastern Europe contrasted with dry weather in the west and south. Little to no precipitation (5 mm or less) was reported over much of western and southern portions of the continent, allowing seasonal fieldwork and winter crop development to progress following moderate to heavy precipitation earlier in the winter. However, long-term drought remained a concern over parts of Portugal, Spain, and Italy, although soil moisture remained overall favorable

for semi-dormant to vegetative winter grains. Meanwhile, rain and snow (10-50 mm liquid equivalent, locally more) overspread central and eastern Europe, with snow depths at week's end averaging 5 to 15 cm from central Poland southward into northern Romania. Temperatures for the week averaged 2 to 4°C above normal across central and northern Europe, while pockets of colder-than-normal weather (up to 3°C below normal) lingered in Greece and on the Iberian Peninsula.

MIDDLE EAST  
Total Precipitation(mm)  
January 29 - February 4, 2023



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

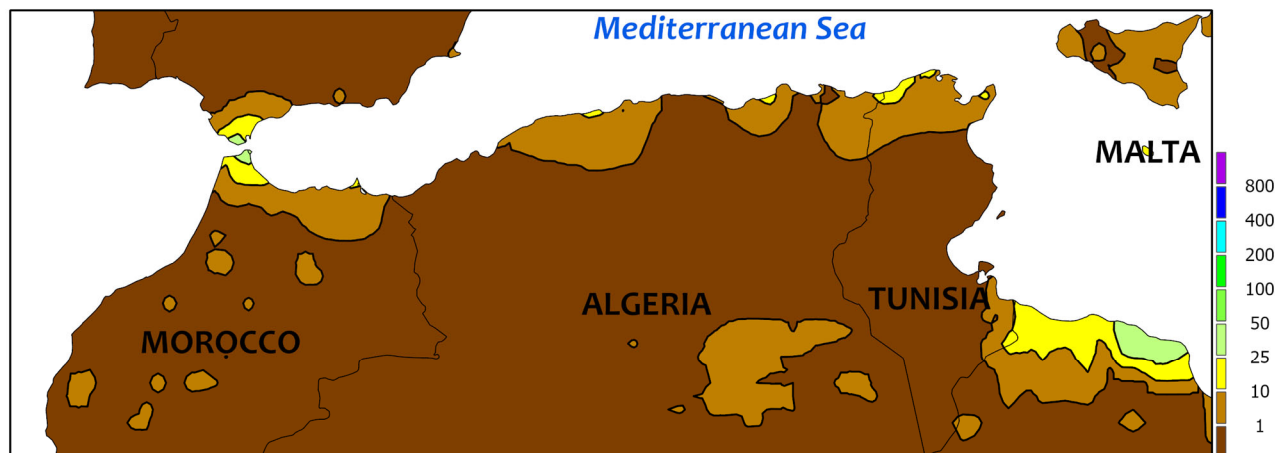


**MIDDLE EAST**

A pair of storms brought widespread precipitation to the region. Early in the period, a storm system produced rain and snow (10-80 mm liquid equivalent) from northern and eastern Iraq into Iran, though northern-most reaches generally missed out (10 mm or less). As a result, moisture supplies remained adequate to abundant — and much improved over last year — for vegetative (south) to dormant (north) winter wheat and barley. At the end of the week, a slow-moving Mediterranean storm and its attendant cold front generated widespread rain and snow in Turkey (5-25

mm liquid equivalent in the west and central, locally more than 100 mm in the east) along with moderate to heavy showers and thunderstorms (30-110 mm) along the eastern Mediterranean Coast. The precipitation from this latter storm benefitted dormant (north) to vegetative (south) winter grains but hampered earthquake recovery efforts in southeastern Turkey and northern Syria. Furthermore, cold weather (2-4°C below normal) accompanied the rain and snow in Turkey and Syria, while temperatures averaged near normal in Iraq and Iran.

NORTHWESTERN AFRICA  
Total Precipitation(mm)  
January 29 - February 4, 2023



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

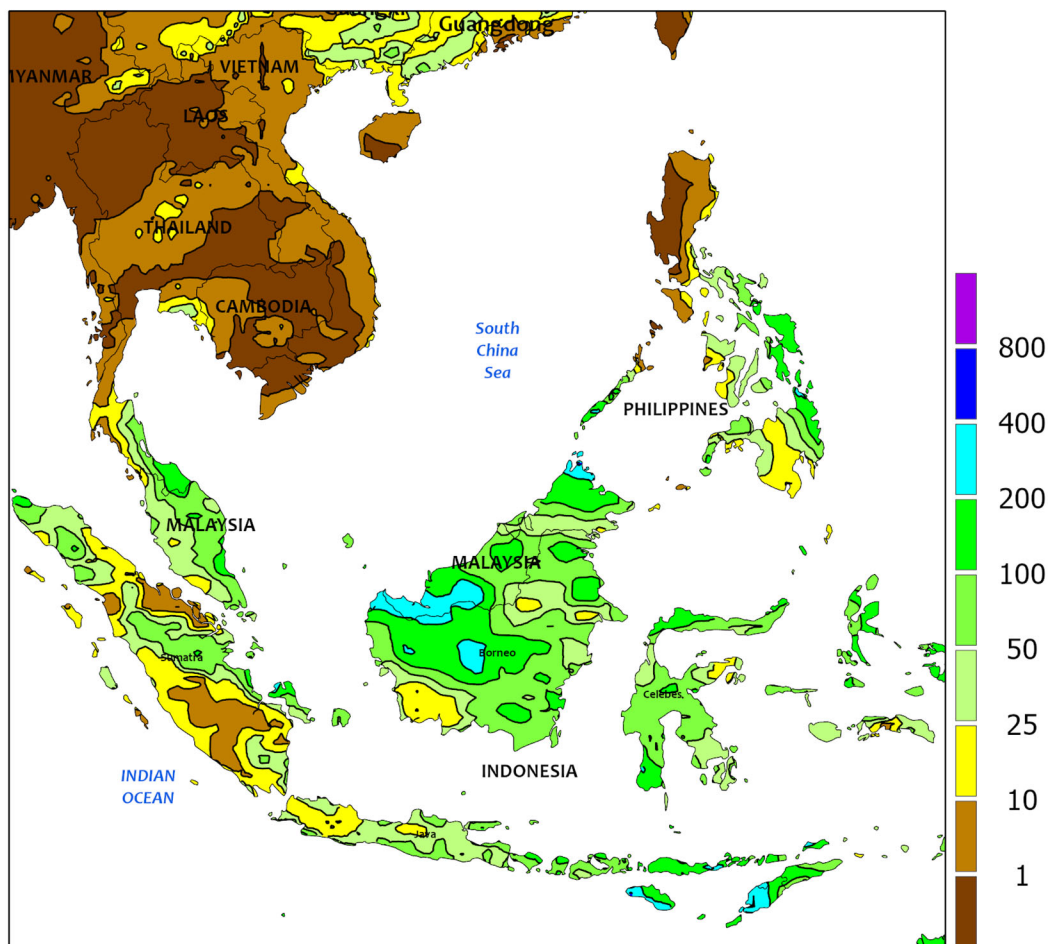


#### NORTHWESTERN AFRICA

Chilly but drier weather further slowed winter grain development but was generally favorable following recent rain. Precipitation during the period was confined to the immediate Mediterranean Coast, with amounts ranging from 1 to 10 mm in northern-most Algeria to locally more than 20 mm in far northern Tunisia. Otherwise, mostly dry albeit cold weather (2-4°C below

normal) prevailed. The recent cold spell, which began in mid-January, has slowed or halted winter grain development but afforded wheat and barley additional time to benefit from the recent moisture improvements brought by January showers. Nevertheless, areas of drought persisted in southwestern Morocco as well as inland locales of Algeria and Tunisia.

SOUTHEAST ASIA  
Total Precipitation(mm)  
January 29 - February 4, 2023



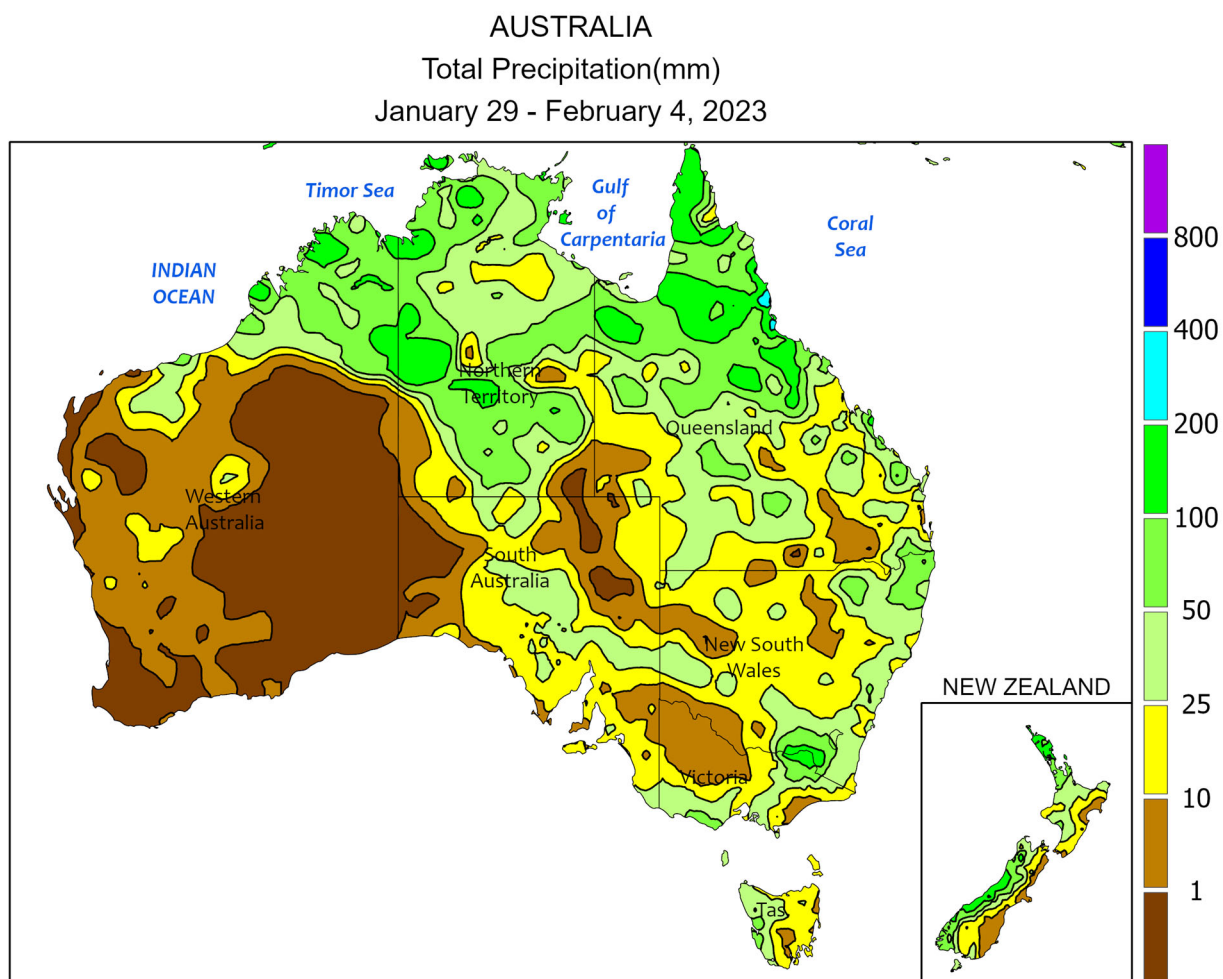
CLIMATE PREDICTION CENTER, NOAA  
Computer generated contours  
Based on preliminary data



#### SOUTHEAST ASIA

Showery weather continued in the traditionally wetter eastern and southern portions of the region, although drier weather encompassed parts of Indonesia. In the Philippines, rainfall (25-100 mm, more in eastern locales) overspread most of the country, supporting rice and corn in various stages of development. While seasonal (since November 1) rainfall totals have trended below average (65 percent of normal) in key northern growing areas,

amounts over the last 30 days have been above average (115 percent of normal). Meanwhile, most of Malaysia and Indonesia recorded 25 to 100 mm of rain (locally more), maintaining ample soil moisture for oil palm with few harvest delays. However, parts of western Indonesia (Sumatra and western-most Java) reported less than 25 mm for the week; rainfall in western Java has consistently been below average since January 1.



### AUSTRALIA

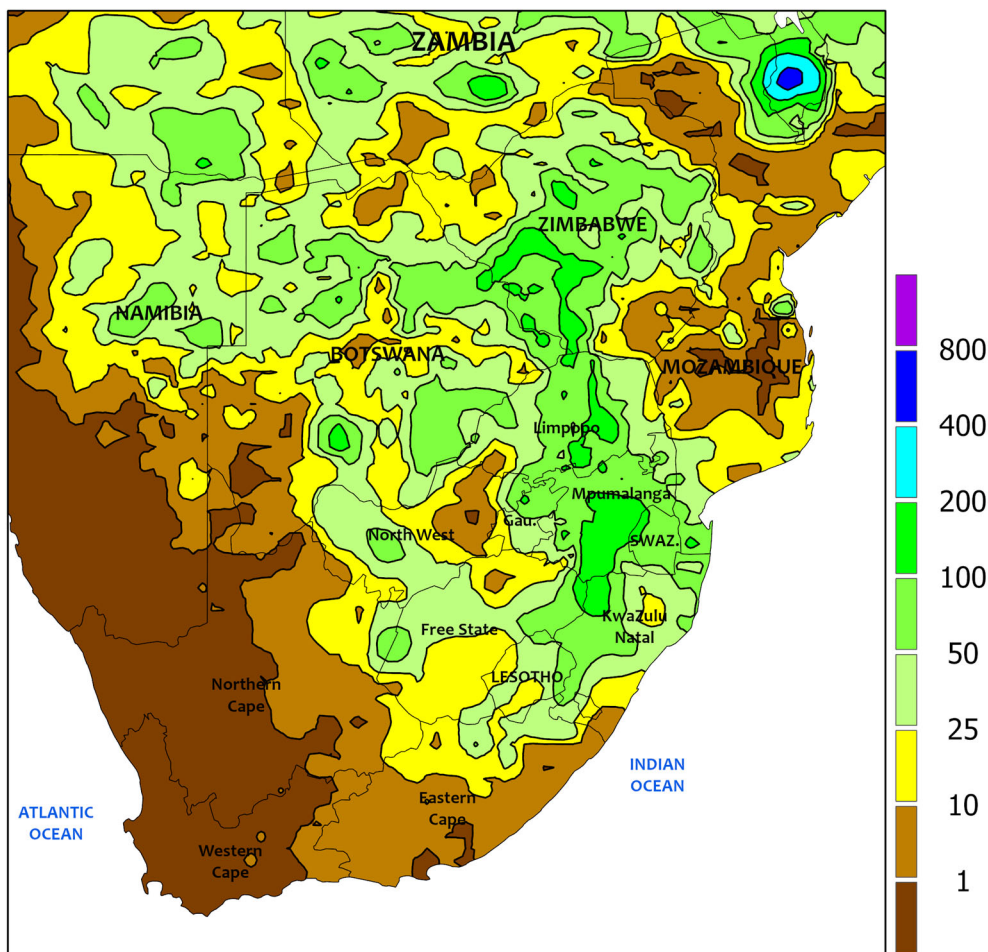
In eastern Australia, mid-week showers (5-25 mm, locally more) increased soil moisture for immature summer crops, including cotton and later-planted sorghum. Relatively dry weather bookended the mid-week rain, however, aiding maturation of sorghum that had been sown at the beginning of the planting window. Temperatures averaged near to above normal (up to 3°C above normal) in

southern Queensland but near to below normal (up to 3°C below normal) in northern New South Wales, with maximum temperatures generally in the 30s (degrees C). Cooler-than-normal weather (temperatures averaging 4-7°C below normal) prevailed across southern New South Wales, likely slowing the pace of rice and other summer crop development.

## SOUTH AFRICA

Total Precipitation(mm)

January 29 - February 4, 2023



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



## SOUTH AFRICA

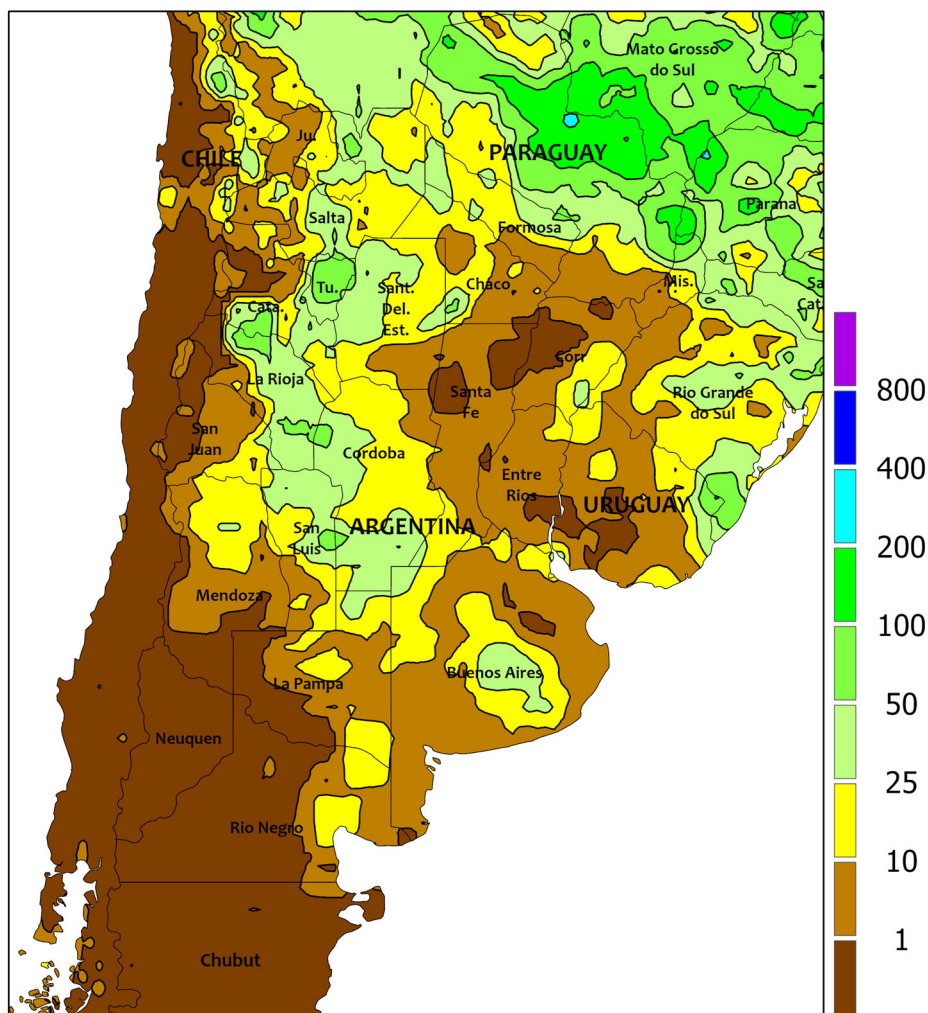
Widespread, locally heavy showers provided timely moisture for corn and other rain-fed summer crops, following an extended period of dryness and increasing temperatures. Rainfall totaled 25 to 100 mm – locally higher – across a broad region spanning the corn belt (North West and Free State eastward) and watersheds in and around Lesotho draining into the Orange River. The heavy rain extended into irrigated sugarcane areas in eastern Mpumalanga and northern Kwazulu-Natal, but lighter

rain (less than 25 mm) fell closer to the coast in rain-fed sugarcane areas of southern KwaZulu-Natal. Cooler weather accompanied the wetter conditions, with weekly average temperatures up to 2°C below normal and highest daytime temperatures limited to the upper 20s and lower 30s (degrees C) in most areas. Elsewhere, warm, sunny weather aided developing tree and vine crops in Western Cape and irrigated corn and cotton grown in most farming areas of northern Cape.

## ARGENTINA

Total Precipitation(mm)

January 29 - February 4, 2023



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



## ARGENTINA

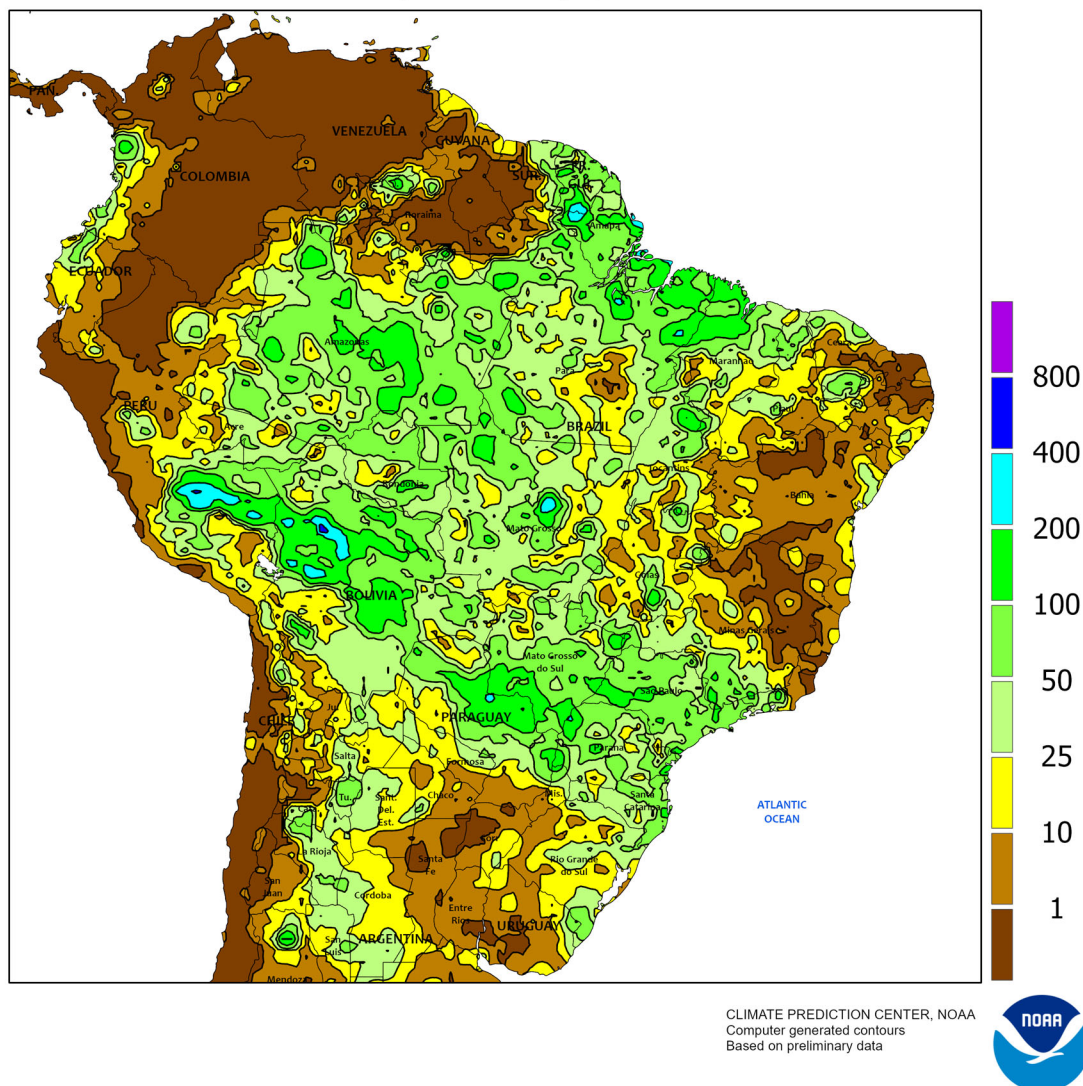
Following several weeks of beneficial rainfall, warm, sunny weather promoted growth of summer grains, oilseeds, and cotton in key farming areas of central and northeastern Argentina. Aside from a few pockets of light showers (5-25 mm, approaching 50 mm in spots), little to no rain fell from La Pampa and Buenos Aires northeastward. Heavier rain (10-50 mm) covered northwestern farming areas centered over Salta and northwestern Santiago del Estero, increasing moisture for

later-planted summer crops, including cotton. Weekly average temperatures ranged from near normal to as much as 3°C above normal throughout the region, with daytime highs reaching the upper 30s (degrees C) in northern farming areas and in extreme southern districts in La Pampa and Buenos Aires. According to the government of Argentina, corn and soybeans were 97 and 98 percent planted, respectively, as of February 2; similarly, cotton was 96 percent planted.

## BRAZIL

Total Precipitation(mm)

January 29 - February 4, 2023



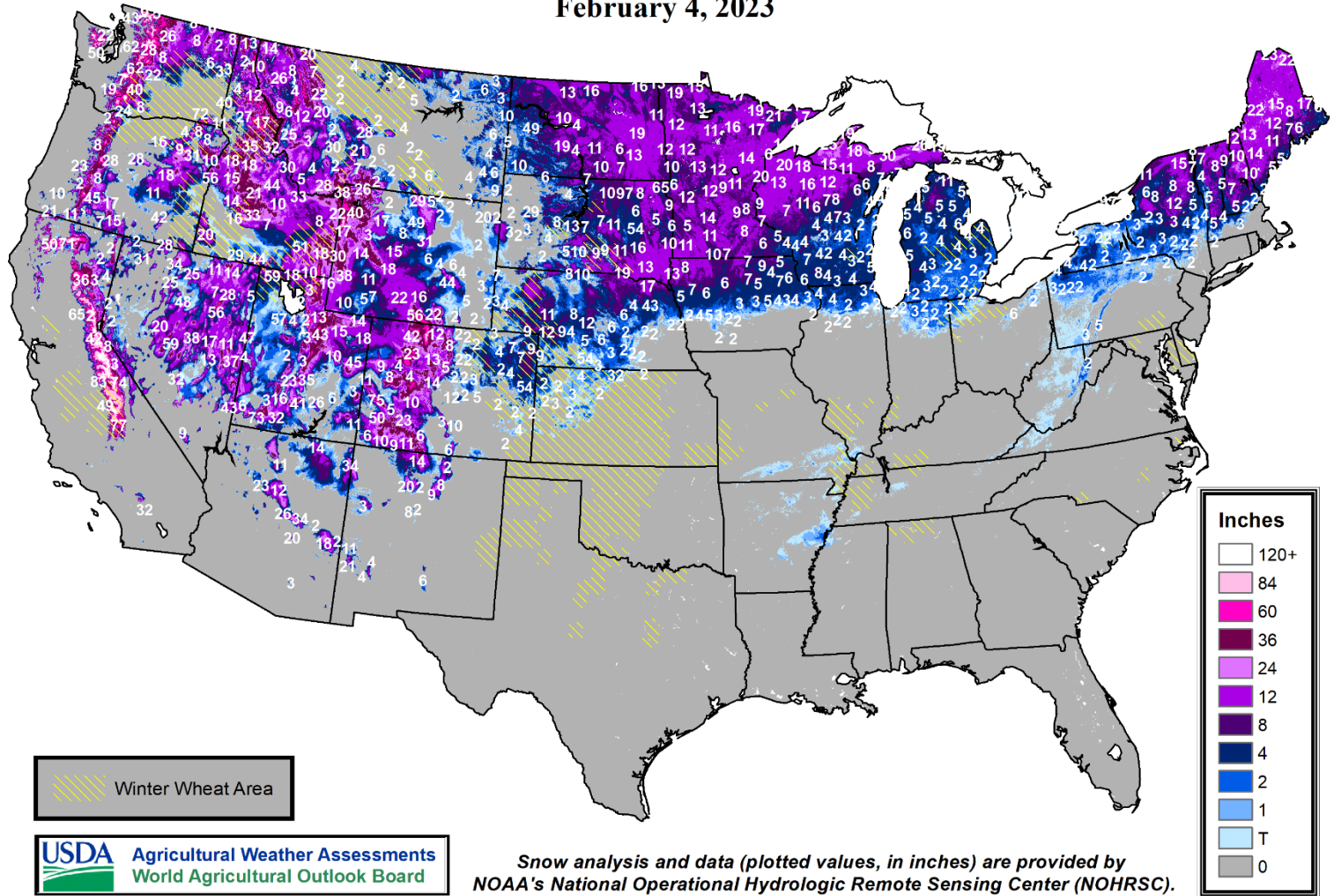
## BRAZIL

Locally heavy showers maintained generally favorable summer crop prospects, although a few locations are struggling with dryness or experiencing fieldwork delays from earlier periods of wetness. In southern Brazil, rainfall continued to be unseasonably light (less than 25 mm) in Rio Grande do Sul, where daytime highs locally reached 35°C. A wetter pattern continued elsewhere in southern Brazil, although a few pockets of dryness were recorded in Mato Grosso do Sul and Paraná. According to the government of Rio Grande do Sul, corn was 97 percent planted as of February 2, with 86 percent of the sown crop having reached reproduction (35 percent harvested); meanwhile, 99 percent of soybeans were planted, and 52 percent of that crop had reportedly flowered. In Paraná, 95 percent of soybeans and first-crop corn had reached reproduction as of January 30, and one percent of both crops had been harvested; planting of second-crop corn was 3

percent complete. Elsewhere, scattered, locally heavy showers (25-100 mm in most areas) overspread key soybean areas in the Center-West and northeastern interior farming areas (Mato Grosso northeastward), although pockets of dryness dominated eastern growing areas in and around western Bahia. Highest daytime temperatures reaching the lower and middle 30s (degrees C) fostered maturation of soybeans as well as rapid development of emerging corn and cotton. The breaks in rainfall supported seasonal fieldwork, although activity continued to lag the usual pace due to earlier periods of wetness. According to the government of Mato Grosso, soybeans were 24 percent harvested as of February 3, lagging both last year's pace (47 percent) and the 5-year average (32 percent); similarly, corn was 16 percent planted versus 42 percent last year, while cotton was 67 percent planted (87 percent last year).

# Snow Depth

February 4, 2023



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