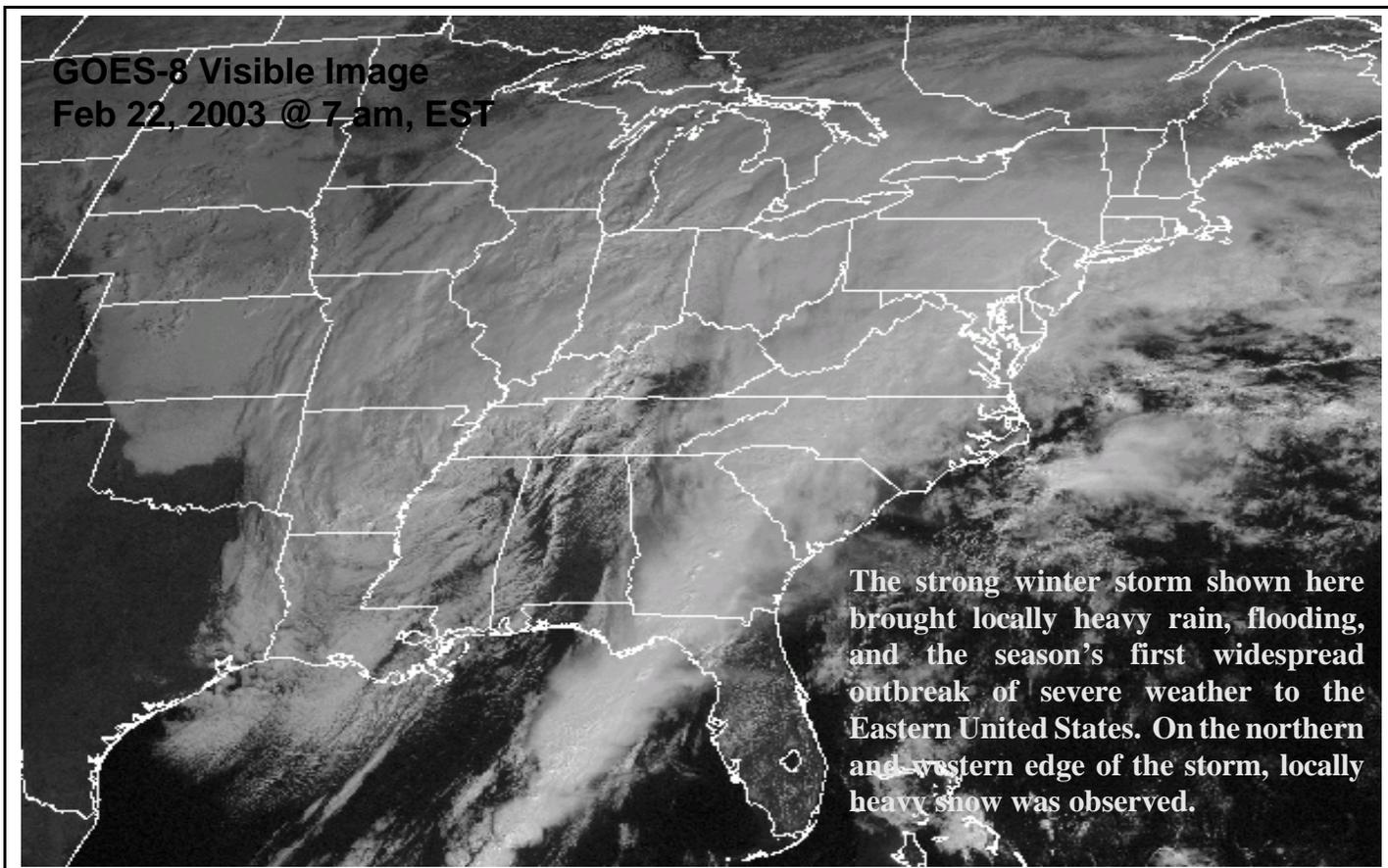


WEEKLY WEATHER AND CROP BULLETIN



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



GOES-8 Visible Image
Feb 22, 2003 @ 7 am, EST

The strong winter storm shown here brought locally heavy rain, flooding, and the season's first widespread outbreak of severe weather to the Eastern United States. On the northern and western edge of the storm, locally heavy snow was observed.

HIGHLIGHTS

February 16 - 22, 2003

Highlights provided by USDA/WAOB

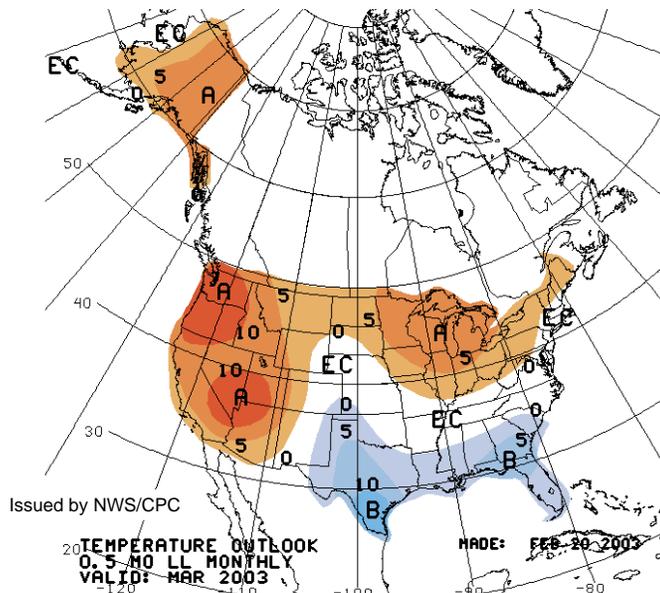
Following last week's beneficial precipitation in **southern California** and **Arizona**, mild, mostly dry weather returned to the **Southwest**. Elsewhere, significant **Western** precipitation was confined to the **Northwest** and parts of the **northern and central Rockies**. Despite recent precipitation, most areas from the **Rockies westward** continue to suffer from below-normal reservoir levels and mountain snowpacks, and face the likelihood of additional water shortages due to forecasts of below-normal spring and summer runoff. Farther east, mild weather prevailed for most of the week across the **Plains** and **Midwest**, but some of the coldest air of the winter began to overspread both
(Continued on page 3)

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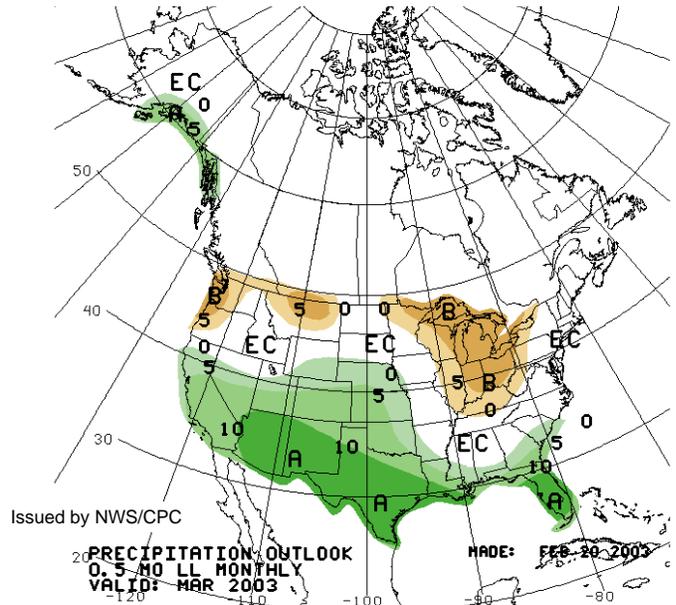
Monthly Temperature & Precipitation Outlook

Temperature Outlook: March 2003



Above-normal temperatures (A) are forecast across the upper Midwest, Rockies, and Pacific Coast States. Conversely, below-normal temperatures (B) are likely in the Gulf Coast States and portions of the southern Plains. For the rest of the Nation, there is an equal chance (EC) for above- or below-normal temperatures.

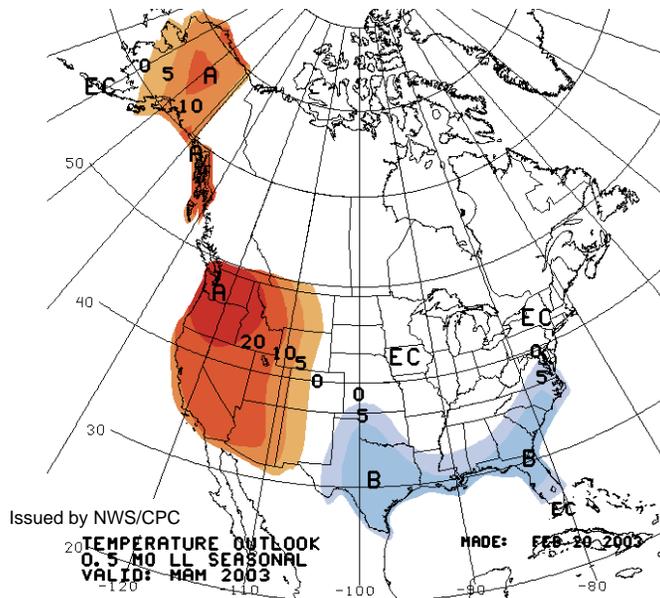
Precipitation Outlook: March 2003



Below-normal precipitation (B) is expected across the upper Midwest and northern portions of the Rockies and Pacific Northwest. Meanwhile, above-normal precipitation (A) is anticipated across the Southwest, central and southern portions of the Rockies and Plains, as well as Florida. Elsewhere, there is an equal chance (EC) for above- or below-normal precipitation.

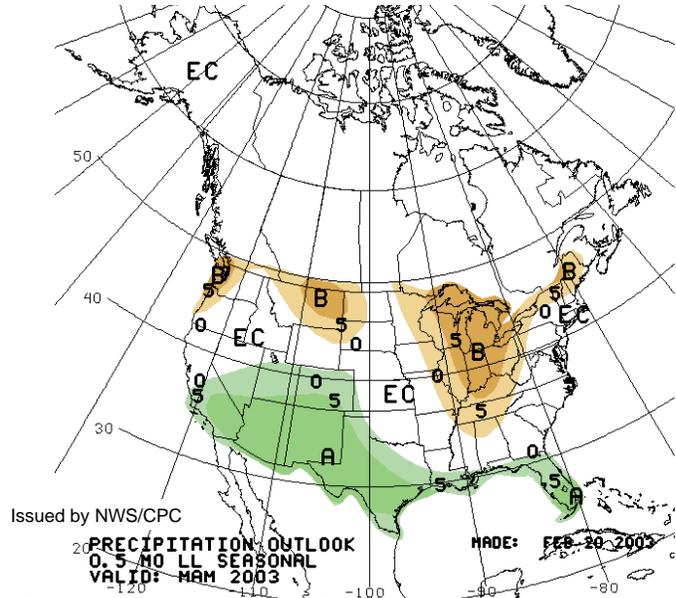
Seasonal Temperature & Precipitation Outlook

Temperature Outlook: March - May 2003



Above-normal (A) temperatures are forecast to persist across the Rockies and Pacific Coast States as well as much of Alaska. Meanwhile, below-normal temperatures (B) will linger in the southern Plains, Gulf Coast, and Southeast. For the rest of the Nation, there is an equal chance (EC) for above- or below-normal temperatures.

Precipitation Outlook: March - May 2003



Below-normal precipitation (B) is expected across the Midwest and northern portions of the Rockies and Pacific Northwest. Meanwhile, above-normal precipitation (A) is anticipated across the Southwest, southern Plains, and Florida. Elsewhere, there is an equal chance (EC) for above- or below-normal precipitation.

(Continued from front cover)

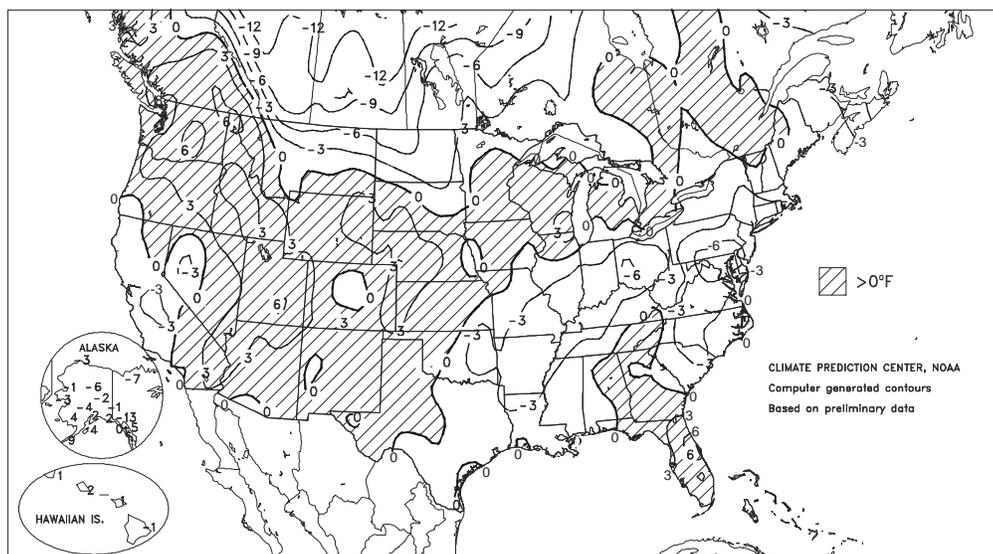
regions on February 22. However, winter wheat areas as far south as **northern Oklahoma** benefited from a substantial, protective snowfall in advance of the cold outbreak. By February 24, minimum temperatures near 5°F were reported as far south as **southern Oklahoma** and **northern Texas**, where cold weather may have burned back emerging winter wheat. Farther north, cold conditions significantly increased livestock stress across the **northern and central Plains** and **upper Midwest**, where February 24 readings ranged from 0 to -30°F. Meanwhile, widespread, late-week snowfall also blanketed the **Ohio Valley** and the **lower Great Lakes region**, insulating winter wheat but hampering rural travel. In the **South**, the return of wet weather after midweek caused additional fieldwork delays and triggered lowland flooding. The **Tennessee Valley**, which received as much as 4 to 8 inches of rain from February 13-16, netted another 1 to 4 inches of rain just 1 week later. During the latter rainfall event, many locations from **eastern Texas to the southern Appalachians** noted at least 4 inches. Farther north, late-week downpours totaled 1 to 3 inches and sparked local flooding from the **Mid-Atlantic States into southern New England**, only days after the record-setting snowstorm of February 15-18.

Snowfall lingered into Tuesday from the **northern Mid-Atlantic States to southern New England**. The February 15-18 storm produced the greatest storm-total snowfall on record in **Baltimore, MD** (28.2 inches), surpassing the 26.5-inch total observed from January 27-29, 1922. **Boston, MA**, received 27.5 inches on February 17-18, breaking their 24-hour and storm-total snowfall records (previously, 25.4 inches on March 31 - April 1, 1997, and 27.1 inches on February 6-7, 1978, respectively). **New York's Central Park** recorded 19.8 inches on February 16-17, the city's fourth-highest storm total behind 26.4 inches on December 26-27, 1947; 21.0 inches on March 12-14, 1888; and 20.2 inches on January 6-8, 1996. Elsewhere in **New York**, **Albany's** February 17-18 total of 13.0 inches boosted their season-to-date snowfall to 94.4 inches, less than 20 inches below their snowiest season on record (112.5 inches in 1970-71).

Bitterly cold weather lingered across **New England** early in the week, but mild conditions prevailed across most of the remainder of the Nation. On February 17, daily-record lows in **Maine** included -22°F in **Caribou** and -24°F in **Houlton**. Three days later, however, record warmth overspread the **Great Lakes region**, where daily records included 44°F in **Marquette, MI**, and 43°F in **Duluth, MN**. Toward week's end, very warm air overspread the **Southeast** in advance of a moisture-laden storm system. On February 22, maxima of 89°F in **Vero Beach, FL**, 78°F in **Wilmington, NC**, and 77°F in **Norfolk, VA**, were among more than a half-dozen daily-record highs. Meanwhile, sharply colder air returned to areas from the **northern Plains to the Great Lakes States**. By Sunday, highs of -5°F in **Glasgow, MT**, and 6°F in **Marquette** were the lowest on record for February 23.

Departure of Average Temperature from Normal (°F)

FEB 16 - 22, 2003

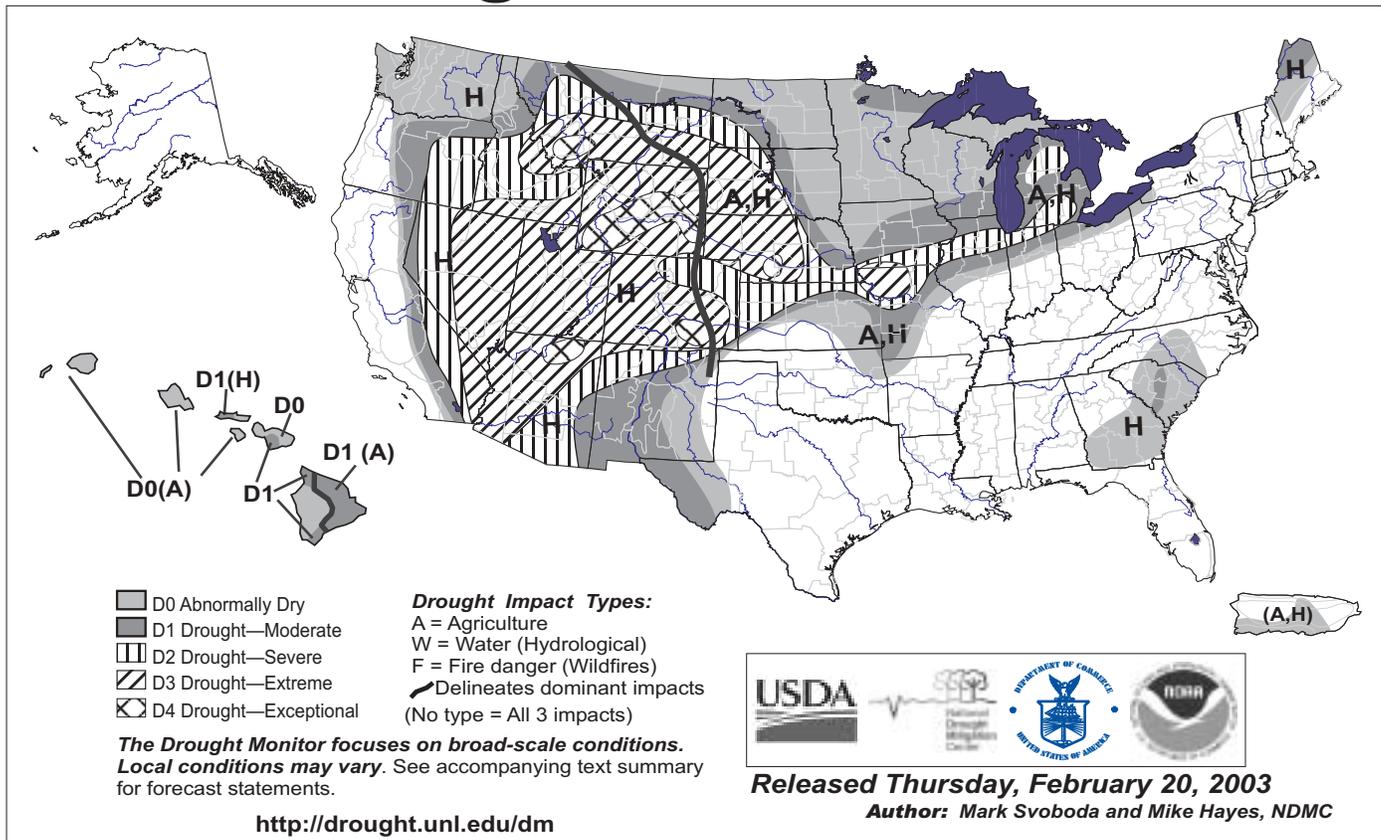


On February 20, heavy rain developed across parts of Texas, resulting in daily-record totals in locations such as **College Station** (4.76 inches), **Lufkin** (3.06 inches), and **El Paso** (0.99 inch). **College Station's** previous highest 1-day total during February was 3.81 inches on February 27, 1927, while **El Paso** last received a higher daily total on July 1, 2000, when 1.36 inches fell. Rain swept into the snow-covered **northern Mid-Atlantic region** on February 22, producing daily-record totals in **Baltimore, MD** (2.30 inches); **Washington, DC** (2.27 inches); **Roanoke, VA** (2.25 inches); and several other locations. **Bridgeport, CT**, netted consecutive daily-record totals on February 22-23, totaling 2.38 inches. Meanwhile, another significant snowfall blanketed much of the **eastern Corn Belt**. **Indianapolis, IN**, measured a daily-record snowfall of 6.3 inches on February 22, helping to boost their February 1-24 total to 21.5 inches. Their previous February record, 21.0 inches, was established in 1910. A February-record snowfall was also attained in **Pittsburgh, PA**, where the month-to-date total of 25.0 inches surpassed their February 1972 record of 24.2 inches. At week's end, more snow developed in advance of an Arctic front across the **Plains** and **Midwest**. The snowfall and the bitterly cold air that trailed it will be covered in more detail in next week's summary.

In **Hawaii**, showers were widespread but mostly light, following last week's brief but soaking rains. A few heavier showers fell across parts of the **Big Island** on February 21-22, when 24-hour totals reached 3.11 inches in **Kamuela** and 1.46 inches in **Honokaa**. Meanwhile, colder air overspread most of **Alaska**, holding weekly temperatures as much as 6°F below normal. Some warmth lingered, however, across **southwestern Alaska**, where weekly temperatures averaged at least 4°F above normal and **King Salmon** posted a daily-record high of 43°F on February 21. **Alaska** was mostly dry during the week, leaving lower elevations in the **southern part of the State** uncharacteristically bare for this time of year. February 1-23 snowfall totaled 0.3 inch in **King Salmon** and **Anchorage**, despite above-normal precipitation. Elsewhere, month-to-date precipitation varied from a February-record total of 3.11 inches in **McGrath** (420 percent of their February normal) to the lowest February total since 1989 in **Juneau** (0.93 inch, or 23 percent of their February normal).

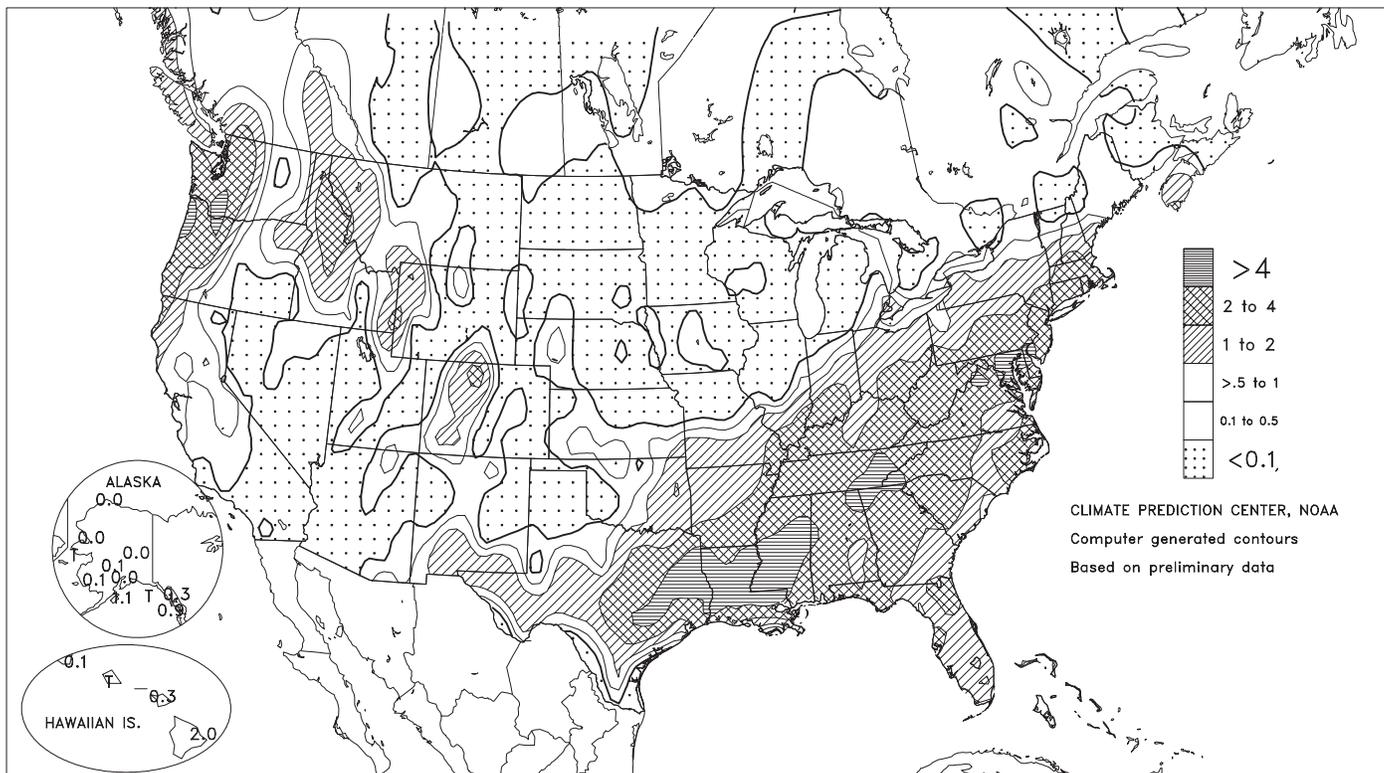
U.S. Drought Monitor

February 18, 2003
Valid 7 a.m. EST



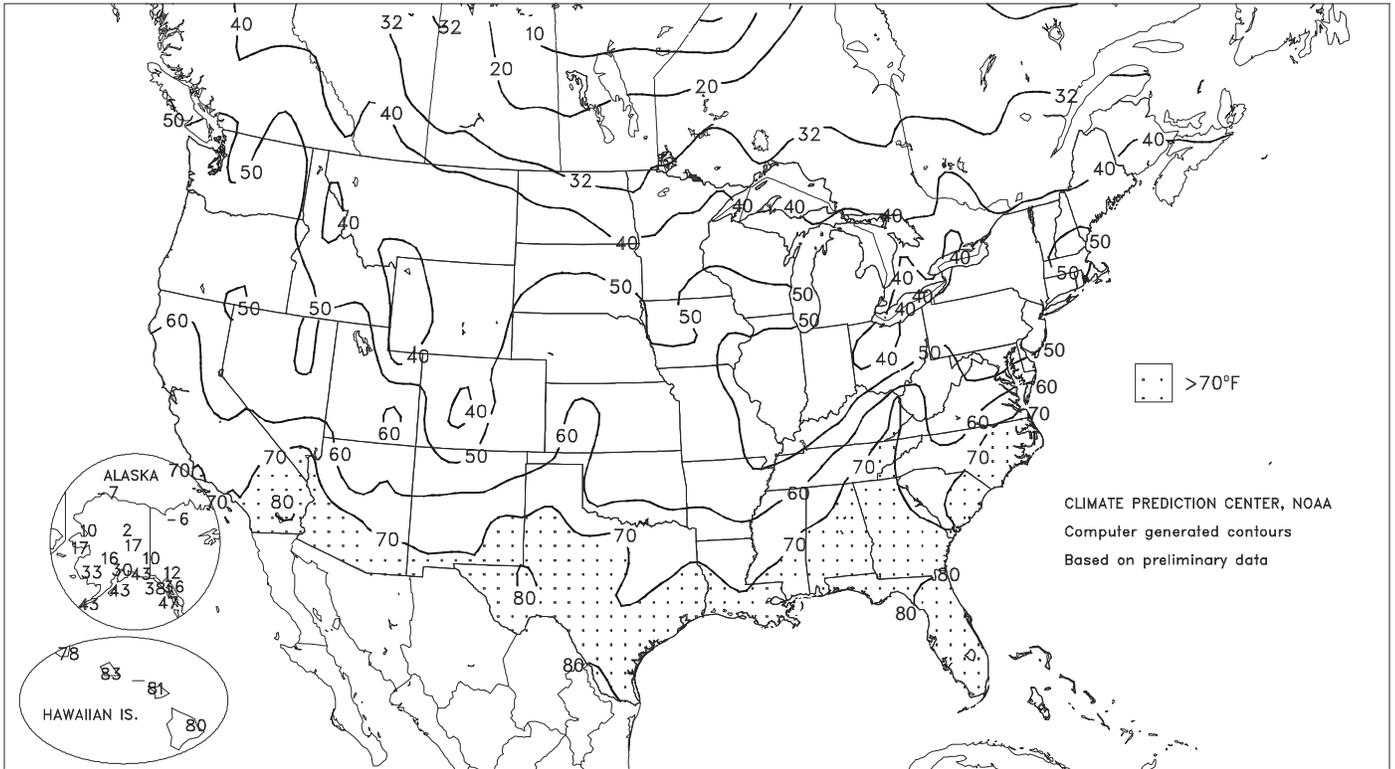
Total Precipitation (Inches)

FEB 16 - 22, 2003



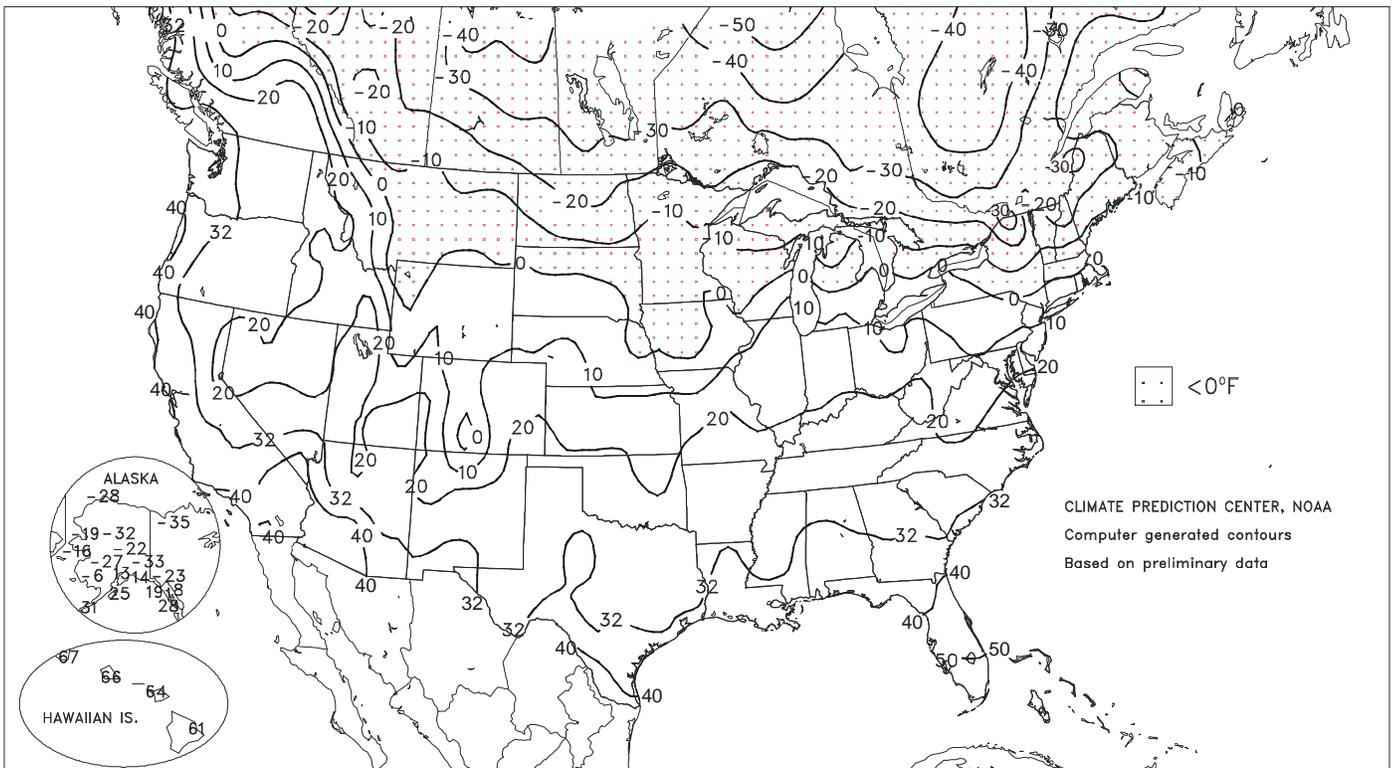
Extreme Maximum Temperature (°F)

FEB 16 - 22, 2003



Extreme Minimum Temperature (°F)

FEB 16 - 22, 2003



Weather Data for Mississippi and the Missouri Bootheel

Weather Data for the Week Ending February 22, 2003

Data provided by the Mississippi State Delta Research and Extension Center (DREC),
the Southern Regional Climate Center (SRCC), and the University of Missouri.

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								4-INCH SOIL TEMP. °F		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F				
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
MS BATESVILLE ^x	50	39	64	27	45	6	3.68	2.63	1.80	17.31	209	8.32	344	-	-	0	2	4	3	
MS BELZONI ^x	57	40	71	31	49	7	4.63	3.30	2.50	8.29	95	8.29	280	-	-	0	2	4	2	
MS CLARKSDALE ^x	50	36	65	28	43	3	2.97	1.78	1.17	15.13	194	7.11	291	-	-	0	2	4	3	
MS CLEVELAND ^x	52	38	64	30	45	3	3.50	2.45	1.67	14.10	192	7.18	312	-	-	0	3	4	3	
MS GREENVILLE ^x	53	38	65	31	46	4	3.38	2.12	2.05	7.66	98	4.10	160	-	-	0	3	5	2	
MS GREENWOOD ^x	56	39	62	29	48	4	2.94	1.75	2.17	14.39	179	6.84	260	-	-	0	3	5	1	
MS INDIANOLA 1S	54	39	61	31	46	-	2.40	-	1.62	12.02	-	5.65	-	51	46	0	3	6	1	
MS INVERNESS 5E	55	40	61	31	48	-	3.15	-	2.30	13.96	-	6.70	-	51	47	0	1	6	1	
MS LYON	49	37	57	29	43	-	2.18	-	1.21	13.61	-	5.08	-	49	42	0	3	5	1	
MS MACON	59	40	71	32	50	-	4.12	-	3.44	15.20	-	9.10	-	55	48	0	1	4	1	
MS MOORHEAD ^x	53	40	63	30	46	3	3.86	2.60	2.28	9.91	115	8.37	310	-	-	0	2	4	2	
MS ONWARD	57	39	65	31	48	-	3.85	-	3.03	14.07	-	7.11	-	52	48	0	1	5	2	
MS PERTHSHIRE	50	37	57	30	43	-	2.98	-	1.47	17.54	-	-	-	50	42	0	3	5	3	
MS ROLLING FORK ^x	56	40	65	31	48	5	4.20	2.87	1.91	11.19	131	7.50	263	-	-	0	2	5	2	
MS SCOTT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MS SIDON	56	40	61	31	48	-	-	-	-	10.09	-	5.73	-	54	45	0	2	7	0	
MS STARKVILLE	58	40	67	30	49	-	3.84	-	3.68	14.83	-	-	-	55	46	0	2	5	1	
MS TUNICA ^x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MS TUNICA 1W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MS VANCE	50	36	57	28	43	-	2.28	-	0.62	15.18	-	5.25	-	47	44	0	3	7	3	
MS VERONA	57	39	64	28	48	-	2.67	-	1.51	13.32	-	6.94	-	54	45	0	2	4	3	
MS VICKSBURG ^x	58	42	67	32	50	3	5.64	4.17	3.39	15.75	179	9.40	302	-	-	0	1	5	3	
MS YAZOO CITY ^x	57	43	66	32	50	5	4.00	2.53	2.47	13.62	145	7.97	253	-	-	0	1	5	2	
MS STONEVILLE ^x	53	38	64	30	46	5	3.46	2.20	1.62	12.82	157	6.81	252	46	38	0	2	4	3	
MO DELTA	41	31	49	21	35	-5	1.62	0.69	0.75	9.27	79	3.58	53	39	35	0	3	4	1	
MO STEELE	43	33	50	25	38	-4	2.82	1.85	1.11	14.70	121	7.22	106	43	38	0	3	5	3	
MO GLENNONVILLE	42	33	49	24	37	-3	2.01	1.21	0.68	11.22	112	4.98	89	42	37	0	3	6	3	
MO PORTAGEVILLE LF	42	32	50	23	37	-4	2.48	1.50	0.97	12.27	106	6.61	102	43	38	0	3	5	3	
MO CLARKTON	41	32	49	23	36	-4	2.36	1.56	0.92	11.80	117	5.78	103	41	36	0	3	6	3	
MO CARDWELL	42	33	49	24	38	-4	2.31	1.39	0.92	13.06	114	6.46	100	44	40	0	3	5	2	
MO CHARLESTON	40	31	48	23	35	-5	2.36	1.54	0.85	11.54	108	5.65	95	41	37	0	3	5	3	
MO PORTAGEVILLE DC	41	32	50	23	37	-4	2.33	1.35	1.00	12.04	104	6.14	95	-	-	0	3	5	3	

Compiled by USDA/OCE/WAOB's Stoneville Field Office. ^x Based on 1971-2000 normals. - Sufficient data not available.

Weather and Crop Summary: Torrential rainfall and high winds across the Delta and Bootheel, especially toward week's end, caused widespread flooding and halted fieldwork, including spring burn-down operations.

Recent Precipitation Highlights in the South and East

Record Storm-Total Snowfall (Inches)

<u>Location</u>	<u>Total/Dates</u>	<u>Previous Record/Dates</u>
Baltimore, MD	28.2 from February 15-18	26.5 on January 27-29, 1922
Boston, MA	27.5 from February 17-18	27.1 on February 6-7, 1978

February-Record Snowfall (Inches)

<u>Location</u>	<u>Total/Dates</u>	<u>Previous Record/Year</u>
Boston, MA	41.6 from February 1-24	41.3 in 1969
Baltimore, MD	36.0 from February 1-24	33.9 in 1899
Dulles Airport, VA	28.5 from February 1-24	27.6 in 1979
Pittsburgh, PA	25.0 from February 1-24	24.2 in 1972
Indianapolis, IN	21.5 from February 1-24	21.0 in 1910

Highest Daily Rainfall (Inches) Since...

<u>Location</u>	<u>Total/Date</u>	<u>Wettest Day Since...</u>
College Station, TX	4.76 on February 20	5.13 on October 17, 1998
San Diego, CA	1.20 on February 12	1.25 on February 21, 2000
Las Vegas, NV	0.74 on February 12	0.77 on February 21, 2000
Phoenix, AZ	1.42 on February 13	1.53 on March 6, 2000
El Paso, TX	0.99 on February 20	1.36 on July 1, 2000

National Weather Data for Selected Cities

Weather Data for the Week Ending February 22, 2003

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	50 INCH OR MORE	01 INCH OR MORE	50 INCH OR MORE
AL	BIRMINGHAM	58	39	70	30	49	1	2.68	1.66	1.99	14.74	113	7.51	87	97	67	0	2	4	1	
	HUNTSVILLE	55	37	68	30	46	1	2.55	1.29	1.30	13.94	94	7.80	85	94	84	0	2	4	2	
	MOBILE	65	44	72	37	54	0	2.97	1.71	2.45	13.46	95	4.49	47	89	68	0	0	3	1	
	MONTGOMERY	62	41	72	34	51	-1	1.79	0.40	1.01	9.43	67	4.26	46	10	78	0	0	3	1	
AK	ANCHORAGE	25	18	30	13	21	1	0.00	-0.19	0.00	1.86	82	1.01	83	80	67	0	7	0	0	
	BARROW	-13	-24	-7	-28	-19	-3	0.00	-0.03	0.00	0.21	64	0.19	90	78	74	0	7	0	0	
	FAIRBANKS	11	-19	17	-22	-4	-2	0.00	-0.08	0.00	1.18	76	0.77	94	79	69	0	7	0	0	
	JUNEAU	30	20	36	8	25	-5	0.28	-0.71	0.19	12.47	93	6.61	83	87	73	0	7	4	0	
	KODIAK	39	29	43	25	34	4	1.12	-0.21	0.55	27.91	137	21.87	171	94	86	0	6	6	1	
	NOME	13	-6	17	-16	3	-3	0.02	-0.15	0.02	1.86	74	0.89	60	71	55	0	7	1	0	
AZ	FLAGSTAFF	49	25	53	19	37	4	0.00	-0.65	0.00	2.84	48	2.15	52	84	30	0	7	0	0	
	PHOENIX	72	52	75	48	62	3	0.00	-0.20	0.00	2.52	112	2.36	176	75	50	0	0	0	0	
	TUCSON	70	44	76	37	57	1	0.04	-0.18	0.04	1.50	56	0.86	53	86	50	0	0	1	0	
	YUMA	76	54	79	51	65	2	0.00	-0.06	0.00	0.86	89	0.83	151	61	43	0	0	0	0	
AR	FORT SMITH	48	33	54	24	41	-4	1.32	0.65	0.78	8.69	114	3.47	82	95	73	0	4	5	1	
	LITTLE ROCK	49	35	57	29	42	-4	1.73	0.90	0.71	13.33	123	5.16	84	95	71	0	3	4	2	
CA	BAKERSFIELD	59	43	64	36	51	-3	0.36	0.06	0.22	2.87	101	1.47	71	92	76	0	0	2	0	
	FRESNO	60	42	64	40	51	-1	0.18	-0.34	0.15	3.57	70	1.13	30	92	77	0	0	3	0	
	LOS ANGELES	65	51	75	49	58	0	0.00	-0.76	0.00	5.84	81	3.03	56	92	75	0	0	0	0	
	REDDING	61	40	69	36	51	1	1.22	-0.10	0.92	23.77	153	9.02	83	92	66	0	0	2	1	
	SACRAMENTO	62	40	66	35	51	-1	0.73	-0.11	0.55	8.94	98	2.65	40	99	50	0	0	3	1	
	SAN DIEGO	65	54	69	51	60	1	0.00	-0.50	0.00	5.03	97	3.05	79	84	64	0	0	0	0	
	SAN FRANCISCO	60	45	65	43	53	0	0.72	-0.24	0.67	14.01	133	3.26	43	90	76	0	0	2	1	
	STOCKTON	62	39	66	35	50	-2	0.38	-0.20	0.30	6.61	103	1.58	34	97	80	0	0	2	0	
CO	ALAMOSA	42	12	51	3	27	3	0.09	0.05	0.09	0.44	65	0.20	57	86	53	0	7	1	0	
	CO SPRINGS	41	22	52	13	32	0	0.26	0.17	0.25	0.52	58	0.44	94	88	41	0	7	2	0	
	DENVER INTL	48	23	51	18	36	4	0.04	-0.03	0.02	0.41	66	0.36	116	82	27	0	7	2	0	
	GRAND JUNCTION	50	27	53	24	39	3	0.06	-0.06	0.03	0.78	55	0.61	68	77	49	0	6	3	0	
	PUEBLO	49	26	64	19	37	1	0.28	0.22	0.27	0.93	111	0.64	142	83	63	0	6	2	0	
CT	BRIDGEPORT	33	20	44	7	27	-6	1.97	1.27	1.45	8.81	94	4.62	78	92	68	0	6	3	1	
	HARTFORD	34	16	50	1	25	-5	1.27	0.57	0.90	7.86	81	4.09	67	81	57	0	6	3	1	
DC	WASHINGTON	38	26	46	15	32	-7	3.89	3.24	2.26	11.95	145	7.50	145	92	71	0	6	5	2	
DE	WILMINGTON	34	20	43	11	27	-8	3.14	2.44	2.09	10.34	116	6.14	111	97	65	0	6	5	1	
FL	DAYTONA BEACH	76	56	84	47	66	5	1.51	0.84	0.90	13.21	167	3.60	69	10	61	0	0	3	1	
	JACKSONVILLE	70	50	82	37	60	4	1.48	0.74	1.27	8.93	102	3.53	58	98	66	0	0	4	1	
	KEY WEST	79	68	81	64	73	2	1.11	0.77	1.02	5.67	103	1.60	47	91	73	0	0	3	1	
	MIAMI	82	67	86	58	75	6	0.15	-0.36	0.08	4.06	72	0.67	19	93	63	0	0	2	0	
	ORLANDO	81	59	88	50	70	7	0.81	0.22	0.51	13.23	205	1.84	44	97	59	0	0	4	1	
	PENSACOLA	64	45	70	37	54	-2	1.96	0.81	0.93	8.56	67	3.66	41	96	69	0	0	5	2	
	TALLAHASSEE	68	46	75	32	57	1	0.79	-0.37	0.38	9.82	76	3.20	36	94	73	0	1	3	0	
	TAMPA	75	58	80	49	67	4	1.99	1.31	1.03	16.82	255	2.69	63	92	65	0	0	2	2	
	WEST PALM	81	64	88	51	72	4	0.60	0.05	0.54	4.51	51	1.92	33	99	71	0	0	4	1	
GA	ATHENS	58	37	73	30	47	0	2.54	1.45	1.57	11.28	96	5.84	73	96	70	0	4	3	2	
	ATLANTA	57	38	74	31	47	-1	1.47	0.32	0.73	10.27	83	5.04	59	95	70	0	3	3	2	
	AUGUSTA	58	38	70	29	48	-1	1.91	0.90	1.00	9.19	85	4.93	64	95	74	0	4	4	2	
	COLUMBUS	61	44	76	34	53	2	2.99	1.86	1.38	11.53	92	7.01	86	95	60	0	0	3	2	
	MACON	61	39	73	30	50	0	2.93	1.82	1.59	11.30	91	5.91	69	95	70	0	2	4	2	
	SAVANNAH	62	44	71	32	53	0	1.72	1.05	0.77	7.14	79	3.26	52	10	76	0	1	6	2	
HI	HILO	77	62	80	61	70	-1	1.99	-0.20	0.73	16.01	59	5.53	34	85	72	0	0	7	2	
	HONOLULU	81	68	83	66	75	2	0.04	-0.54	0.04	2.15	29	2.11	46	71	63	0	0	1	0	
	KAHULUI	79	66	81	64	73	1	0.31	-0.21	0.18	4.18	48	3.63	65	79	72	0	0	4	0	
	LIHUE	77	68	78	67	73	1	0.08	-0.69	0.04	7.14	60	6.06	85	80	74	0	0	4	0	
ID	BOISE	50	35	53	31	43	5	0.24	-0.04	0.14	4.51	124	2.47	109	78	61	0	2	4	0	
	LEWISTON	51	37	57	32	44	5	0.36	0.14	0.15	4.55	157	3.87	209	87	68	0	1	5	0	
	POCATELLO	43	29	48	24	36	5	0.13	-0.12	0.13	1.68	57	1.25	67	84	66	0	6	1	0	
IL	CHICAGO/O'HARE	39	23	50	18	31	3	0.00	-0.39	0.00	2.35	44	0.42	14	84	66	0	7	0	0	
	MOLINE	38	20	49	7	29	0	0.00	-0.38	0.00	1.38	28	0.69	26	86	66	0	7	0	0	
	PEORIA	36	23	45	18	29	-1	0.00	-0.43	0.00	3.64	72	1.43	53	95	68	0	7	0	0	
	ROCKFORD	41	19	51	13	30	4	0.00	-0.33	0.00	1.22	27	0.44	18	85	59	0	7	0	0	
	SPRINGFIELD	36	23	45	16	30	-2	0.00	-0.48	0.00	3.55	65	1.85	64	92	71	0	7	0	0	
IN	EVANSVILLE	37	28	43	21	32	-5	3.09	2.30	1.27	11.31	129	5.66	108	93	85	0	5	5	3	
	FORT WAYNE	33	19	42	11	26	-3	0.60	0.12	0.54	3.92	63	2.31	66	91	71	0	7	2	1	
	INDIANAPOLIS	33	21	42	16	27	-6	0.90	0.29	0.78	6.22	85	3.20	75	95	79	0	7	4	1	
	SOUTH BEND	34	19	45	10	27	-2	0.01	-0.47	0.01	3.34	49	1.54	41	84	68	0	7	1	0	
IA	BURLINGTON	36	22	46	13	29	-1	0.00	-0.41	0.00	2.01	45	1.22	51	92	61	0	7	0	0	
	CEDAR RAPIDS	36	16	48	2	26	0	0.00	-0.26	0.00	0.93	28	0.66	36	86	60	0	7	0	0	
	DES MOINES	38	16	49	-7	27	-1	0.30	0.00	0.18	1.17	36	1.17	62	86	62	0	7	2	0	
	DUBUQUE	37	16	49	5	27	2	0.00	-0.35	0.00	1.24	31	0.51	22	85	64	0	7	0	0	
	SIOUX CITY	36	14	51	-5	25	-2	0.00	-0.16	0.00	1.18	73	1.05	111	87	72	0	7	0	0	
	WATERLOO	40	15	54	-4	28	4	0.00	-0.26	0.00	0.85	31	0.53	33	83	62	0	7	0	0	
KS	CONCORDIA	50	26	60	11	38	4	0.00	-0.20	0.00	1.12	59	1.01	96	83	56	0	5	0	0	
	DODGE CITY	52	27	61	19	40	3	0.31	0.14	0.20	1.20	67	0.59	58	94	44	0	6	3	0	
	GOODLAND	51	23	57	17	37	4	0.02	-0.10	0.02	0.34	31	0.34	50	86	43	0	7	1	0	
	TOPEKA	49	25	57	15	37	2	0.00	-0.31	0.00	1.60	51	1.55	89	89	59	0	7	0	0	

Weather Data for the Week Ending February 22, 2003

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	0.1 INCH OR MORE	5.0 INCH OR MORE
KY WICHITA	49	29	56	20	39	1	0.31	0.02	0.23	2.55	91	1.33	92	93	65	0	4	2	0
KY JACKSON	43	31	70	25	37	-2	3.40	2.46	1.79	13.88	131	9.59	152	99	81	0	4	7	2
KY LEXINGTON	41	29	62	23	35	-2	1.50	0.65	0.79	9.47	97	5.39	94	97	92	0	6	5	2
KY LOUISVILLE	37	29	44	23	33	-6	1.73	0.90	0.95	11.70	125	5.09	89	96	84	0	5	5	1
KY PADUCAH	39	30	47	22	35	-4	2.57	1.58	1.26	13.83	127	6.76	104	97	84	0	3	4	2
LA BATON ROUGE	66	44	71	33	55	1	4.19	2.99	3.67	14.48	93	7.33	71	10	70	0	0	3	2
LA LAKE CHARLES	65	45	73	32	55	0	1.82	1.11	1.19	15.84	124	6.36	78	97	66	0	1	3	2
LA NEW ORLEANS	65	46	71	35	55	-2	2.28	0.98	2.19	8.45	55	3.63	35	93	83	0	0	4	1
LA SHREVEPORT	57	41	69	31	49	-3	4.27	3.24	1.66	15.30	123	6.94	88	95	72	0	1	4	3
ME CARIBOU	21	1	35	-22	11	-3	0.08	-0.40	0.05	11.06	143	8.13	179	83	46	0	7	2	0
ME PORTLAND	32	16	51	-6	24	-2	0.75	0.01	0.69	7.67	71	3.16	49	80	51	0	7	2	1
MD BALTIMORE	37	21	46	13	29	-7	4.07	3.31	2.29	12.84	142	7.88	138	98	79	0	6	5	2
MA BOSTON	36	22	53	0	29	-3	1.08	0.28	0.69	9.08	89	3.78	58	75	50	0	5	3	1
MA WORCESTER	32	18	49	-5	25	-2	1.51	0.77	1.00	9.12	89	4.61	72	82	46	0	7	3	1
MI ALPENA	32	7	50	-13	20	0	0.01	-0.31	0.01	1.01	22	0.49	18	90	62	0	7	1	0
MI GRAND RAPIDS	33	17	44	2	25	-1	0.00	-0.36	0.00	3.15	53	1.19	37	85	60	0	7	0	0
MI HOUGHTON LAKE	33	10	44	-7	21	0	0.00	-0.29	0.00	0.76	18	0.35	14	87	68	0	7	0	0
MI LANSING	34	18	47	3	26	1	0.01	-0.32	0.01	1.35	28	0.56	21	83	62	0	7	1	0
MI MUSKEGON	35	20	43	4	27	1	0.00	-0.36	0.00	1.36	22	0.51	15	82	69	0	7	0	0
MI TRAVERSE CITY	35	9	49	-16	22	-1	0.00	-0.37	0.00	0.92	13	0.66	15	93	55	0	7	0	0
MN DULUTH	28	8	43	-4	18	2	0.00	-0.17	0.00	1.01	38	0.20	12	84	63	0	7	0	0
MN INT'L FALLS	24	1	38	-14	13	0	0.02	-0.12	0.02	0.35	17	0.09	7	76	49	0	7	1	0
MN MINNEAPOLIS	34	15	46	2	24	2	0.00	-0.18	0.00	0.98	38	0.78	49	76	63	0	7	0	0
MN ROCHESTER	34	13	51	-2	24	4	0.01	-0.16	0.01	1.27	51	0.71	48	84	69	0	7	1	0
MS ST. CLOUD	31	8	43	-4	19	1	0.00	-0.12	0.00	0.69	37	0.47	41	93	61	0	7	0	0
MS JACKSON	60	41	71	29	51	1	5.44	4.37	4.62	15.82	109	9.52	104	96	67	0	2	3	2
MS MERIDIAN	61	40	71	32	51	0	3.31	1.98	2.78	15.54	102	7.61	76	94	78	0	1	4	1
MS TUPELO	56	38	63	28	47	1	2.87	1.67	1.74	15.02	102	7.90	92	93	81	0	2	5	2
MO COLUMBIA	41	25	51	20	33	-2	0.05	-0.52	0.05	4.21	72	2.12	63	93	64	0	7	1	0
MO KANSAS CITY	48	24	65	11	36	1	0.00	-0.35	0.00	1.13	31	1.10	54	87	46	0	7	0	0
MO SAINT LOUIS	40	27	49	19	33	-4	0.52	-0.06	0.18	4.56	68	2.54	67	91	72	0	6	4	0
MO SPRINGFIELD	44	27	54	21	36	-2	1.27	0.70	0.68	5.99	86	3.10	82	95	85	0	6	4	1
MT BILLINGS	41	23	49	1	32	1	0.12	-0.01	0.11	1.43	77	1.17	98	77	47	0	7	2	0
MT BUTTE	36	12	40	3	24	1	0.28	0.17	0.24	1.63	121	1.48	180	90	51	0	7	3	0
MT GLASGOW	26	5	40	-9	15	-6	0.03	-0.03	0.01	0.27	30	0.22	42	85	73	0	7	3	0
MT GREAT FALLS	34	20	45	-3	27	-1	0.01	-0.11	0.01	0.84	50	0.47	47	81	48	0	6	1	0
MT HAVRE	27	10	43	-4	19	-5	0.09	0.01	0.04	0.44	37	0.36	54	86	78	0	7	4	0
MT KALISPELL	41	28	44	11	34	6	0.08	-0.19	0.06	2.31	58	1.07	46	89	67	0	5	3	0
MT MISSOULA	42	29	45	22	35	5	0.63	0.46	0.33	3.16	115	2.53	158	92	76	0	5	5	0
NE GRAND ISLAND	46	22	55	6	34	4	0.00	-0.18	0.00	1.17	74	1.15	124	89	59	0	6	0	0
NE LINCOLN	43	18	55	-2	30	0	0.00	-0.17	0.00	1.82	96	1.81	174	87	64	0	7	0	0
NE NORFOLK	41	18	57	-4	30	2	0.00	-0.19	0.00	0.89	52	0.84	80	83	66	0	6	0	0
NE NORTH PLATTE	48	19	56	13	34	3	0.00	-0.13	0.00	0.52	47	0.52	74	96	44	0	7	0	0
NE OMAHA	38	17	51	-2	27	-3	0.00	-0.20	0.00	1.59	72	1.59	124	88	67	0	7	0	0
NE SCOTTSBLUFF	50	19	54	11	34	3	0.00	-0.14	0.00	0.33	23	0.33	37	78	45	0	6	0	0
NE VALENTINE	43	20	58	5	31	3	0.02	-0.10	0.02	0.54	59	0.50	85	89	60	0	7	1	0
NV ELY	45	18	49	14	31	0	0.00	-0.18	0.00	0.56	32	0.42	34	79	46	0	7	0	0
NV LAS VEGAS	66	48	72	44	57	4	0.04	-0.13	0.04	0.96	65	0.89	82	55	29	0	0	1	0
NV RENO	51	28	59	23	39	0	0.07	-0.18	0.07	2.54	93	0.34	18	78	51	0	6	1	0
NH WINNEMUCCA	47	25	53	22	36	-1	0.11	-0.03	0.08	2.28	110	1.89	150	80	56	0	7	2	0
NH CONCORD	32	13	50	-5	23	-2	1.22	0.66	0.64	8.76	113	5.19	109	88	54	0	7	3	1
NJ NEWARK	36	22	49	8	29	-6	2.73	2.03	1.61	10.23	104	6.53	105	88	63	0	6	5	2
NM ALBUQUERQUE	53	34	61	28	44	2	0.17	0.06	0.16	1.17	92	0.81	104	82	39	0	2	2	0
NY ALBANY	31	15	47	-5	23	-3	1.05	0.52	0.62	8.86	130	4.89	118	84	53	0	6	3	1
NY BINGHAMTON	30	18	43	-5	24	-1	0.98	0.37	0.56	7.15	95	4.41	98	81	61	0	6	3	1
NY BUFFALO	29	17	39	1	23	-4	1.30	0.72	1.07	9.03	102	4.67	93	87	56	0	7	3	1
NY ROCHESTER	32	18	45	-1	25	-1	0.68	0.18	0.48	7.58	114	3.81	98	81	58	0	7	2	0
NY SYRACUSE	33	18	49	-6	26	1	0.59	0.09	0.33	6.56	89	3.72	88	79	48	0	7	3	0
NC ASHEVILLE	48	32	61	28	40	0	2.89	1.94	2.28	11.59	112	5.19	74	96	80	0	4	3	1
NC CHARLOTTE	49	33	64	22	41	-5	1.47	0.59	0.97	9.70	98	4.74	71	10	78	0	4	5	1
NC GREENSBORO	46	31	64	20	39	-3	2.69	1.93	2.13	10.67	119	6.24	106	95	72	0	4	5	1
NC HATTERAS	56	40	65	29	48	1	1.08	0.16	0.59	7.19	53	4.86	55	98	79	0	1	4	1
NC RALEIGH	49	32	68	22	40	-4	1.57	0.72	0.84	10.34	107	5.30	80	95	82	0	4	5	1
NC WILMINGTON	56	39	78	31	47	-2	2.03	1.14	1.11	7.15	64	4.62	63	10	77	0	2	3	2
ND BISMARCK	26	5	46	-14	16	-4	0.03	-0.08	0.03	0.62	50	0.31	39	83	70	0	7	1	0
ND DICKINSON	30	10	44	-9	20	-3	0.03	-0.05	0.03	0.50	49	0.15	22	93	63	0	7	1	0
ND FARGO	24	6	37	-13	15	-1	0.01	-0.13	0.01	1.12	65	0.29	25	82	65	0	7	1	0
ND GRAND FORKS	21	2	32	-17	12	-3	0.07	-0.07	0.07	0.60	36	0.28	25	86	65	0	7	1	0
ND JAMESTOWN	23	4	39	-17	14	-4	0.01	-0.10	0.01	0.39	28	0.15	15	89	69	0	7	1	0
ND WILLISTON	21	-2	36	-21	10	-9	0.28	0.20	0.17	1.61	118	0.99	124	93	82	0	7	4	0
OH AKRON-CANTON	32	20	40	13	26	-3	1.13	0.56	0.79	6.46	90	3.55	85	93	72	0	7	5	1
OH CINCINNATI	34	26	41	20	30	-5	1.38	0.69	0.77	9.67	117	4.76	95	96	88	0	6	5	1
OH CLEVELAND	35	22	44	12	28	-1	1.31	0.76	0.84	8.05	110	4.34	103	90	65	0	7	5	1
OH COLUMBUS	34	22	42	17	28	-5	1.83	1.30	0.93	7.31	103	4.53	108	93	82	0	7	5	2
OH DAYTON	32	20	38	15	26	-6	1.10	0.54	0.79	5.92	80	2.71	62	95	76	0	7	5	1
OH MANSFIELD	31	18	39	11	25	-3	1.01	0.49	0.81	5.36	71	2.62	61	97	68	0	7	3	1

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending February 22, 2003

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	0.1 INCH OR MORE	5.0 INCH OR MORE	
OK	TOLEDO	34	20	43	12	27	-1	0.42	-0.05	0.40	4.63	77	1.96	58	89	74	0	7	2	0
	YOUNGSTOWN	33	20	41	13	26	-3	1.17	0.68	0.54	6.50	96	3.59	93	93	67	0	7	5	1
	OKLAHOMA CITY	51	32	57	19	42	-2	0.28	-0.16	0.28	2.63	62	0.79	34	94	59	0	2	1	0
	TULSA	50	30	55	20	40	-3	0.37	-0.15	0.16	4.00	74	1.25	42	91	77	0	5	4	0
OR	ASTORIA	50	42	52	39	46	1	3.50	1.61	0.86	30.16	115	17.39	110	96	86	0	0	7	3
	BURNS	44	27	50	22	35	4	0.05	-0.23	0.02	3.28	100	1.31	66	90	66	0	7	3	0
	EUGENE	52	42	55	38	47	4	1.75	0.23	0.93	21.35	102	9.30	73	94	84	0	0	6	2
	MEDFORD	53	39	55	33	46	2	0.34	-0.16	0.13	11.40	163	4.20	102	94	66	0	0	5	0
	PENDLETON	51	38	55	33	44	4	0.67	0.39	0.24	6.48	168	4.25	179	84	67	0	0	6	0
	PORTLAND	51	43	56	39	47	3	1.71	0.71	0.98	18.34	130	10.34	124	92	82	0	0	7	1
	SALEM	52	42	56	34	47	4	1.77	0.54	1.01	21.23	130	10.03	101	92	82	0	0	6	1
PA	ALLENTOWN	34	16	46	8	25	-6	1.41	0.75	0.89	8.53	95	3.58	64	91	66	0	6	5	1
	ERIE	33	21	44	6	27	-2	0.81	0.25	0.56	8.01	100	4.03	95	86	66	0	7	3	1
	MIDDLETOWN	34	17	43	11	26	-6	2.87	2.13	1.44	10.79	130	6.19	122	99	71	0	6	6	2
	PHILADELPHIA	36	22	46	11	29	-7	3.08	2.42	1.88	10.15	114	6.10	109	91	65	0	6	5	2
	PITTSBURGH	35	22	46	13	29	-3	1.33	0.75	0.58	6.74	92	4.17	93	95	65	0	6	6	1
	WILKES-BARRE	34	20	44	4	27	-3	0.28	-0.22	0.21	6.01	91	2.55	63	88	58	0	6	3	0
	WILLIAMSPORT	35	20	46	7	27	-3	1.32	0.69	1.00	7.35	94	3.99	82	95	72	0	6	4	1
RI	PROVIDENCE	36	19	51	3	28	-4	1.43	0.60	1.10	9.74	87	4.59	65	83	62	0	6	3	1
SC	BEAUFORT	58	43	67	33	51	0	1.84	1.13	1.19	6.77	70	2.97	46	10	74	0	0	3	2
	CHARLESTON	61	41	74	33	51	0	1.05	0.32	0.55	7.00	72	2.77	43	97	70	0	0	3	1
	COLUMBIA	58	39	70	29	48	-1	2.01	1.09	1.33	8.54	78	4.38	57	94	68	0	2	3	1
	GREENVILLE	51	36	66	28	44	-1	1.10	0.02	0.59	10.59	92	4.12	54	99	72	0	3	3	2
SD	ABERDEEN	28	7	43	-6	18	-3	0.00	-0.12	0.00	0.60	52	0.30	38	85	71	0	7	0	0
	HURON	32	13	50	1	23	0	0.00	-0.14	0.00	1.18	98	0.80	98	91	66	0	7	0	0
	RAPID CITY	43	19	52	2	31	2	0.02	-0.09	0.01	0.57	54	0.53	82	84	48	0	7	2	0
	SIoux FALLS	35	13	52	-4	24	1	0.00	-0.12	0.00	1.11	83	0.96	119	84	72	0	6	0	0
TN	BRISTOL	48	36	69	29	42	3	2.45	1.60	1.83	12.19	128	7.81	128	97	72	0	4	6	1
	CHATTANOOGA	54	38	74	31	46	2	4.13	2.93	1.52	16.14	116	9.40	103	94	83	0	2	5	3
	KNOXVILLE	52	38	73	30	45	2	3.50	2.50	1.99	16.34	135	10.99	145	98	76	0	3	6	2
	MEMPHIS	49	36	56	27	43	-3	2.26	1.17	1.07	18.28	139	8.62	115	92	77	0	3	5	2
	NASHVILLE	45	33	63	27	39	-4	2.94	2.00	1.56	15.58	138	9.76	145	98	89	0	5	5	2
TX	ABILENE	60	39	74	30	50	0	0.70	0.40	0.40	2.30	75	0.97	54	83	70	0	2	2	0
	AMARILLO	55	29	68	26	42	0	0.02	-0.11	0.02	1.32	83	0.22	22	88	40	0	6	1	0
	AUSTIN	62	41	70	26	52	-4	3.83	3.31	3.53	10.62	183	6.10	182	86	63	0	2	3	1
	BEAUMONT	65	47	74	32	56	0	2.95	2.21	1.64	15.08	111	6.87	82	97	69	0	1	2	2
	BROWNSVILLE	74	55	78	41	65	1	0.02	-0.23	0.01	2.41	70	1.17	50	91	61	0	0	2	0
	CORPUS CHRISTI	69	51	76	39	60	0	0.00	-0.47	0.00	5.51	116	2.32	77	94	73	0	0	0	0
	DEL RIO	67	47	75	39	57	0	0.10	-0.15	0.09	1.07	53	0.76	59	84	64	0	0	2	0
	EL PASO	65	42	74	36	53	1	1.06	0.98	1.02	2.93	198	1.28	180	79	36	0	0	3	1
	FORT WORTH	57	40	66	27	48	-3	1.78	1.13	1.05	7.02	114	2.89	80	92	71	0	2	3	2
	GALVESTON	63	51	69	38	57	-2	0.70	0.13	0.70	6.32	65	2.68	44	92	68	0	0	1	1
	HOUSTON	65	47	74	32	56	0	0.44	-0.28	0.44	10.20	105	4.55	76	93	70	0	1	1	0
	LUBBOCK	61	34	77	29	47	3	0.06	-0.11	0.05	1.67	100	0.10	10	80	54	0	2	2	0
	MIDLAND	61	39	76	28	50	0	0.71	0.57	0.62	2.05	130	1.00	108	83	62	0	1	2	1
	SAN ANGELO	61	41	73	30	51	0	1.18	0.88	0.82	3.28	125	1.90	112	88	66	0	1	2	1
	SAN ANTONIO	65	46	73	33	55	-1	1.31	0.87	0.80	5.32	108	2.78	93	93	61	0	0	3	1
	VICTORIA	67	48	75	34	57	-1	0.29	-0.21	0.19	6.32	98	3.70	92	96	72	0	0	2	0
	WACO	59	42	68	28	50	-2	0.30	-0.35	0.28	9.49	147	1.86	50	92	81	0	2	2	0
	WICHITA FALLS	57	35	67	24	46	-1	0.45	0.02	0.43	2.76	70	0.88	39	87	74	0	2	2	0
UT	SALT LAKE CITY	49	32	55	26	40	4	0.06	-0.27	0.06	2.13	59	1.59	68	81	42	0	4	1	0
VT	BURLINGTON	27	13	45	-13	20	-1	0.16	-0.23	0.16	2.81	49	1.53	44	85	64	0	7	1	0
VA	LYNCHBURG	41	29	52	18	35	-4	2.66	1.90	1.66	10.45	114	6.40	108	94	79	0	4	5	2
	NORFOLK	51	35	77	30	43	0	2.26	1.45	1.51	10.91	115	6.75	104	97	78	0	3	3	2
	RICHMOND	43	29	62	20	36	-4	1.47	0.73	0.65	8.92	100	5.48	95	96	82	0	4	4	1
	ROANOKE	40	29	49	17	35	-5	3.14	2.38	2.25	10.50	124	6.61	118	92	77	0	4	4	2
WA	WASH/DULLES	36	21	46	13	29	-7	3.50	2.81	1.68	10.98	133	7.37	143	93	74	0	6	5	2
	OLYMPIA	50	39	53	30	44	3	1.77	0.30	0.71	19.08	94	11.69	94	92	84	0	1	6	1
	QUILLAYUTE	49	40	50	36	44	2	3.47	0.42	1.40	32.32	85	17.59	75	96	88	0	0	7	2
	SEATTLE-TACOMA	49	41	50	36	45	1	1.34	0.35	0.80	15.61	111	9.63	114	96	84	0	0	7	1
	SPOKANE	45	32	51	27	38	4	0.41	0.05	0.28	7.33	141	4.06	137	97	65	0	4	6	0
	YAKIMA	54	32	60	29	43	7	0.15	-0.02	0.12	5.97	190	2.48	140	88	58	0	5	2	0
WV	BECKLEY	39	29	56	21	34	-1	1.64	0.90	1.39	8.25	96	5.21	95	95	86	0	5	3	1
	CHARLESTON	42	31	67	27	36	-2	4.62	3.82	2.60	11.75	131	8.81	156	99	81	0	5	4	2
	ELKINS	40	25	57	15	32	-1	2.32	1.52	1.17	8.44	91	5.98	102	96	64	0	6	6	2
	HUNTINGTON	43	31	71	26	37	-1	2.80	2.02	1.63	9.74	110	6.64	120	10	86	0	5	4	2
WI	EAU CLAIRE	34	10	48	-6	22	1	0.00	-0.17	0.00	1.41	54	0.76	48	90	52	0	7	0	0
	GREEN BAY	32	12	45	-1	22	0	0.00	-0.23	0.00	1.55	46	0.82	42	88	65	0	7	0	0
	LA CROSSE	39	15	54	-2	27	3	0.02	-0.20	0.02	1.27	40	0.91	47	89	59	0	7	1	0
	MADISON	37	16	51	3	27	3	0.00	-0.30	0.00	1.20	31	0.53	24	82	63	0	7	0	0
	MILWAUKEE	39	22	52	15	30	3	0.00	-0.39	0.00	1.30	24	0.54	17	82	66	0	7	0	0
WY	CASPER	43	20	48	2	32	4	0.06	-0.10	0.06	0.78	48	0.59	58	71	43	0	6	1	0
	CHEYENNE	43	19	48	7	31	1	0.00	-0.10	0.00	0.12	10	0.01	1	61	32	0	7	0	0
	LANDER	38	17	42	14	27	0	0.14	0.01	0.12	1.76	120	1.57	183	74	57	0	7	2	0
	SHERIDAN	37	19	48	2	28	0	0.07	-0.05	0.07	1.36	74	1.18	101	77	64	0	7	1	0

National Agricultural Summary

February 17 - 23, 2003

Weekly National Agricultural Summary provided by USDA/NASS

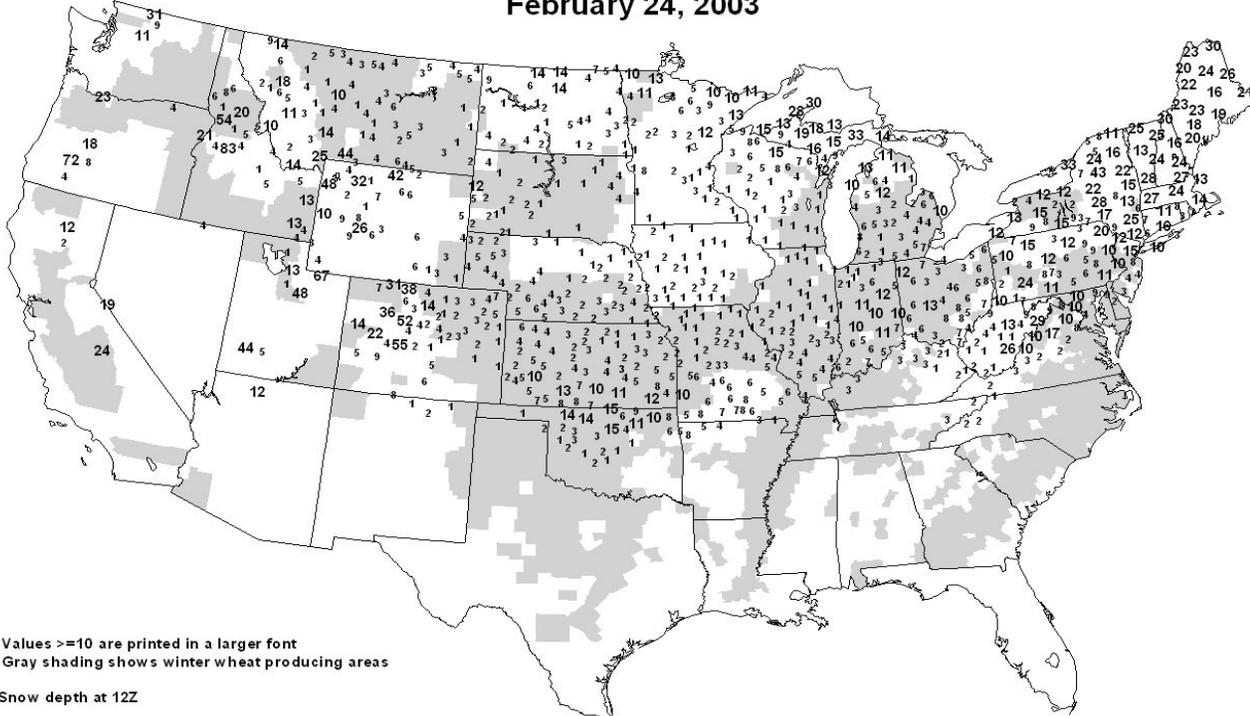
HIGHLIGHTS

Heavy doses of mixed precipitation fell across much of the Nation. Seasonal rains were heavy in the Pacific Northwest, snowfall was heavy in the Northern Rockies, and rain, freezing rain, and snow fell across a wide swath from Texas to New England. In California, wet conditions restricted fieldwork in some areas but were beneficial to dryland grain and hay crops. Many peach, plum, apricot, nectarine, and almond trees were in bloom. Planting preparations continued in melon, pepper, squash, and tomato fields. Dry conditions persisted in a path from New Mexico to the northern Great Plains, Minnesota, and Michigan. Torrential

downpours covered a large part of Texas, as heavy rain spanned from Austin northeast to the Louisiana border. Soil moisture levels improved or remained adequate in areas where light precipitation was received but were at surplus levels over a large part of the State. Where conditions allowed, producers were deep-breaking and fertilizing for summer crops. In Florida, significant rain fell in most areas, except for some west-central and extreme southern peninsula localities, with most areas receiving at least 1 inch of rain. Statewide, soil moisture supplies were mostly adequate to short.

Snow Depth (Inches)

February 24, 2003



Values ≥ 10 are printed in a larger font
 Gray shading shows winter wheat producing areas

Snow depth at 12Z

The NWS cooperative network is the principal
 source of the snow depth reports

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

International Weather and Crop Summary

February 16 - 22, 2003

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

HIGHLIGHTS

EUROPE: Mostly cold, dry weather continued across much of Europe, and ample snow cover protected dormant winter grains fro bitterly cold weather across eastern Europe.

FSU-WESTERN: A moderate to deep snow cover protected winter grains from continued bitterly cold weather.

MIDDLE EAST: Widespread precipitation boosted irrigation supplies across Turkey and parts of the Middle East.

NORTHWESTERN AFRICA: Widespread rain continued to cover the region, including southern Morocco, where light rain eased developing dryness.

SOUTH AFRICA: Widespread rainfall in the corn belt benefited reproductive corn and other summer crops.

EASTERN ASIA: On the North China Plain, showery, warmer-than-normal weather favored overwintering wheat.

SOUTHEAST ASIA: Showers continued to ease short-term dryness in Java, Indonesia.

AUSTRALIA: Much-needed rain fell in summer crop- and winter grain-producing areas.

SOUTH AMERICA: Dry weather returned to central Argentina, but below-normal temperatures reduced the potential for stress on immature summer crops.



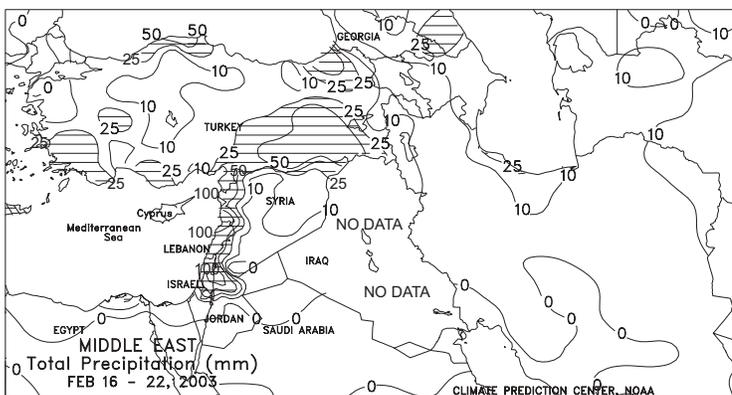
EUROPE

Unseasonably cold air remained entrenched in the east, and dry weather dominated all of northern and central Europe. Only the Iberian peninsula and the southern Balkans received significant precipitation (5-50 mm). The heaviest rain fell in Portugal (25-75 mm), southern Spain (10-40 mm) and Greece (25-60 mm), boosting moisture supplies for winter grains. Early in the week, some of this precipitation fell as snow in the northern Iberian peninsula. Dry weather continued in Italy's Po Valley, increasing short-term moisture deficits, but irrigation supplies remained adequate due to an ample snow pack in the Alps. From Poland to the Balkans, moderate to deep snow cover continued to provide ample protection for dormant winter crops from bitterly cold weather (minimum temperatures less than -17 degrees C). Minimum temperatures fell below freezing across the interior of the Iberian Peninsula and as far south as southern Italy and Greece, but temperatures remained above freezing across the Mediterranean coastal areas, causing no damage to citrus and other tree crops. By the end of the week, however, warmer weather pushed northward into western Europe, with maximum temperatures exceeding 10 degrees C in southern England and 15 degrees C in southwestern France. Winter crops remained dormant across Europe, except across the Mediterranean regions and coastal areas of western France. Temperatures averaged 2 to 4 degrees C below normal across most of Europe.



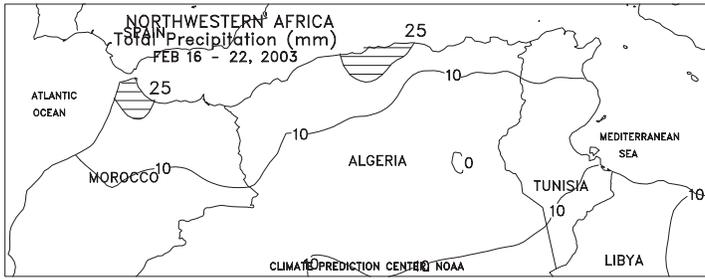
FSU-WESTERN

Bitterly cold weather persisted over most of the region. The lowest temperatures ranged from -28 to -17 degrees C as far south as southern Ukraine and the central portion of the Southern Region in Russia. In most areas, a moderate to deep snow cover protected winter grains from potential winterkill. During midweek, a weak area of low pressure brought light snow (5 mm or less) to the region. Otherwise, dry weather prevailed during the week. Weekly temperatures averaged 3 to 7 degrees C below normal in Ukraine and Southern Region in Russia and 1 to 3 degrees C below normal in most of northern Russia, Belarus, and the Baltics.



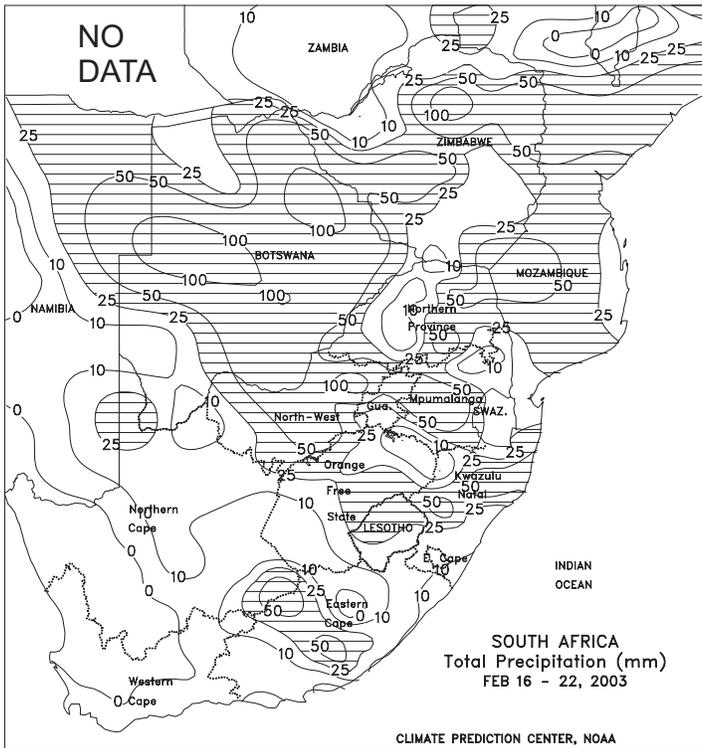
MIDDLE EAST

A persistent upper-air, low-pressure system over the eastern Mediterranean region continued to produce widespread precipitation across Turkey and most of the Middle East. The exception was Iran, where mostly dry weather prevailed. Widespread rain and snow (10-25 mm of water equivalent) continued across the main wheat areas of Turkey, maintaining adequate moisture supplies for overwintering winter crops. The heaviest precipitation (20-70 mm or more of water equivalent) fell across southern and southeastern Turkey, boosting irrigation supplies and snow pack, especially in the Tigris and Euphrates watersheds. The precipitation increased snow cover across central Turkey, protecting dormant winter wheat from moderately cold winter air (minimum temperatures between -14 to -10 degrees C). Moderate to heavy showers (25-100 mm or more) continued across the Mediterranean coast from Syria to northern Israel and Jordan, boosting irrigation supplies. Eastern Syria also received beneficial rain (5-25 mm) for winter crops. In western Iran, light if any precipitation (less than 5 mm) fell across the wheat areas, providing little additional moisture for dormant wheat. Warmer weather by week's end melted most protective snow cover in northwestern Iran. Based on weather reports from neighboring areas of Turkey and Syria, moderate rain probably fell across northwestern Iraq, while drier weather covered northeastern Iraq. Temperatures averaged 3 to 5 degrees C below normal across Turkey, 1 to 2 degrees C below normal in Syria, and near to slightly above normal across the rest of Middle East and Iran.



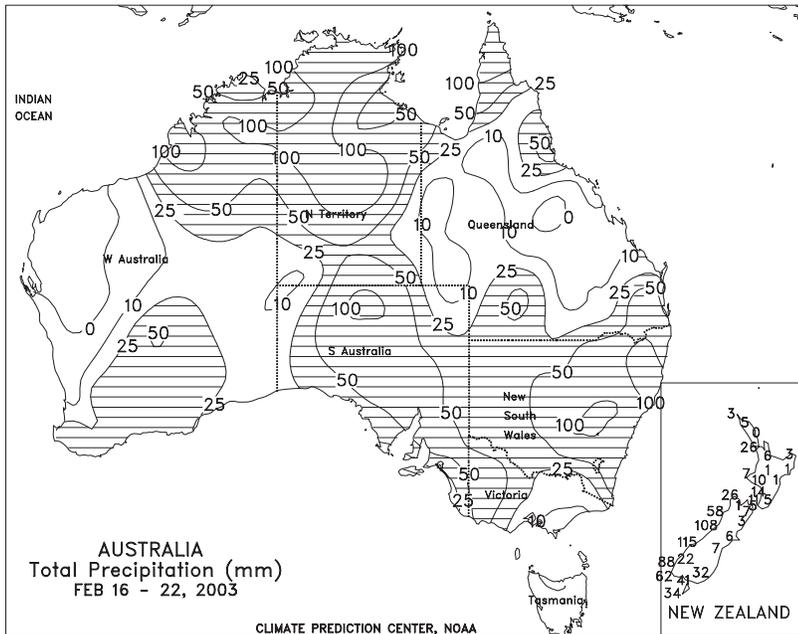
NORTHWESTERN AFRICA

Widespread light to moderate rain (10-40 mm) continued to cover Tunisia, Algeria, and northern Morocco, maintaining adequate to abundant soil moisture for vegetative winter grains. In southern Morocco, light rain (3-14 mm) provided some relief, but more rain was still needed to completely alleviate the short-term dryness. Seasonably cool weather (temperatures averaging 1-3 degrees C below normal with scattered below-freezing, minimum temperatures) slowed winter wheat growth.



SOUTH AFRICA

Following a brief period of drier-than-normal weather, soaking rains (20-50 mm or more) in Northwest and western Free State were very timely, boosting moisture supplies for reproductive summer crops. Similarly, widespread showers (10-40 mm or more) brought drought relief to eastern Free State, KwaZulu Natal, and Mpumalanga, helping to stabilize yield prospects for reproductive to filling corn and other summer crops. Temperatures in the corn belt were generally seasonable and were indicative of favorable warmth for crop development.



AUSTRALIA

Welcomed rain (10-50 mm or more) fell in a wide swath from Western Australia eastward through New South Wales and southern Queensland. In southern Queensland and northern New South Wales, the scattered showers (10-30 mm) boosted topsoil moisture and reservoir levels for immature cotton and sorghum. Although soaking rains must continue to end the extreme drought gripping southern Australia, any rain falling through the end of May would be very helpful for future winter grain development, helping to condition topsoils for planting and to restore moisture supplies for crop development. Temperatures across the continent were generally seasonable.



SOUTH AMERICA

Showers tapered off in primary growing areas of central Argentina (notably Cordoba, Santa Fe, and northern Buenos Aires), with rainfall generally totaling 5-15 mm. The exceptions included southern growing areas of Buenos Aires and La Pampa, which continued to beneficial moderate showers (10-25 mm or more). In addition, locally heavy rain (25-100 mm) continued in cotton areas of Formosa. Temperatures averaged 3 to 5 degrees C below normal, limiting the potential for stress on vegetative to reproductive soybeans, although summer temperatures (highs in the low to middle 30s degrees C) and sunny skies spurred crop development. According to independent sources from within Argentina, corn and sunseed were about 5 and 22 percent harvested, respectively, as of February 22. In Brazil, moderate to heavy rain (25-50 mm, locally exceeding 100 mm) maintained adequate to abundant moisture for reproductive to filling summer crops. Temperatures averaged 2 to 4 degrees C below normal across most of Rio Grande do Sul, with highs in the upper 20s and lower 30s degrees C, slowing crop growth rates. Temperatures averaged 1 to 2 degrees C above normal in the more northerly growing areas, with highs mostly in the lower 30s degrees C, spurring crop growth rates. According to independent sources from within Brazil, soybean harvesting was underway.

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Correspondence to the meteorologists should be directed to: **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250**. Internet URL: <http://www.usda.gov/oce/waob/jawf>; E-mail address: jawfweb@oce.usda.gov

U.S. DEPARTMENT OF COMMERCE

National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor **David Miskus** (202) 720-7919
Meteorologists **Eric Luebehusen,**
..... **Brad Pugh,** and **Chester Schmitt**

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