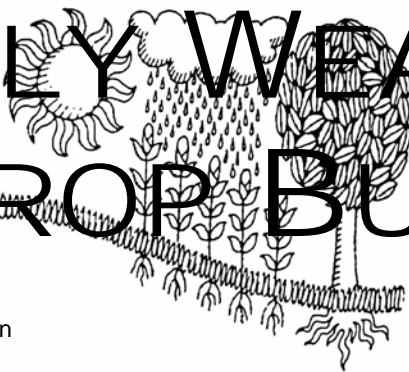
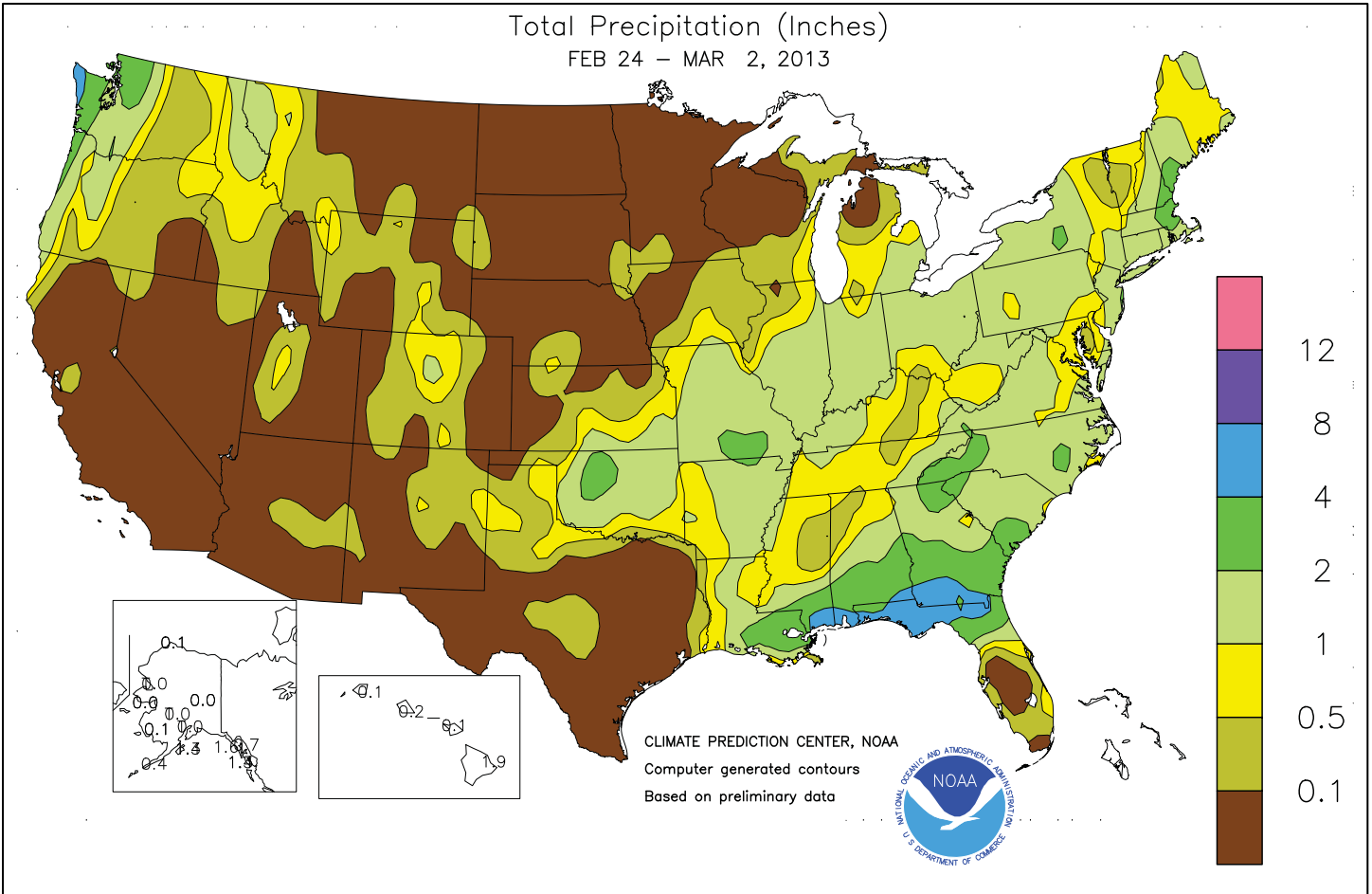


WEEKLY WEATHER AND CROP BULLETIN



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

February 24 – March 2, 2013

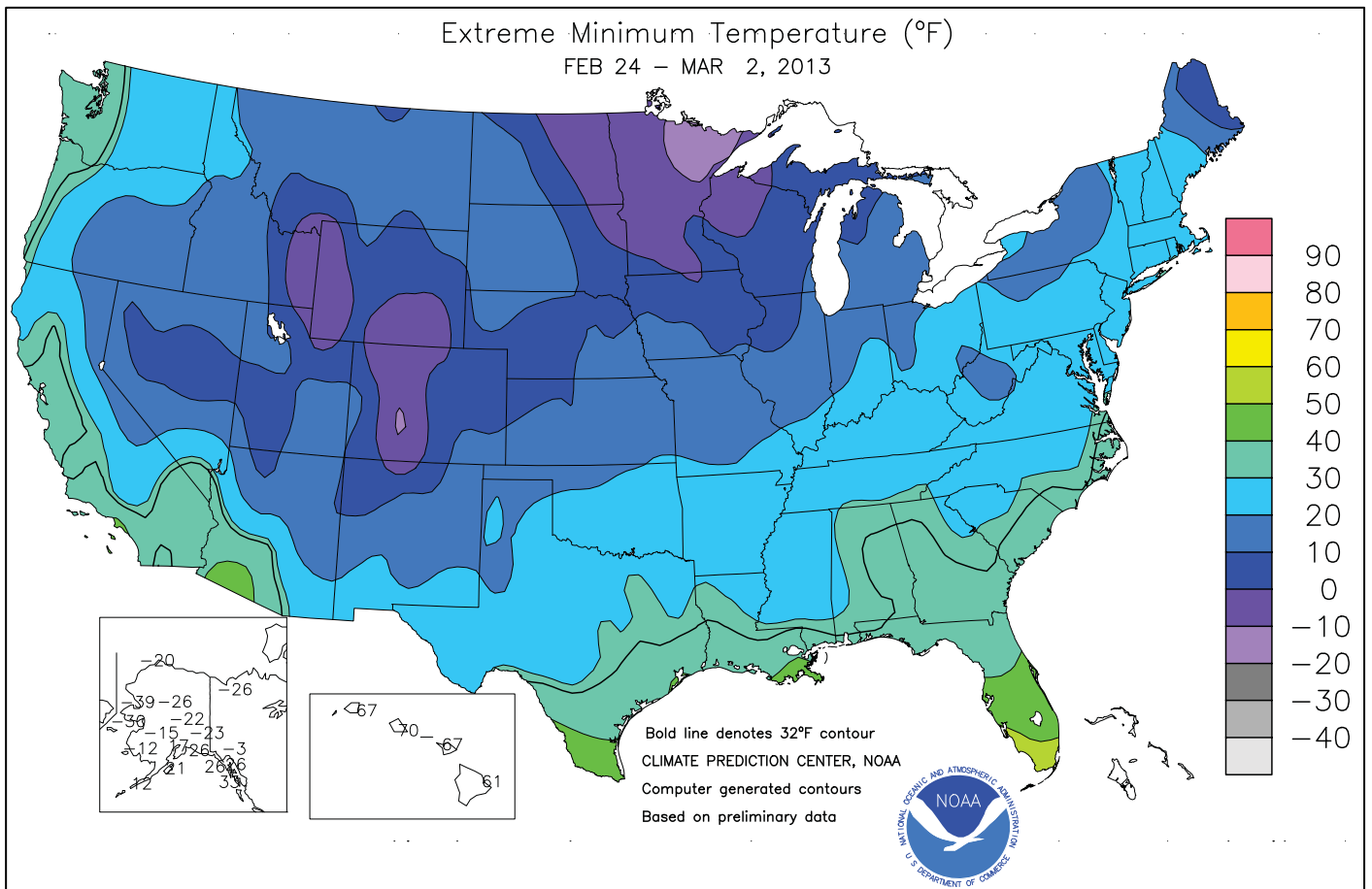
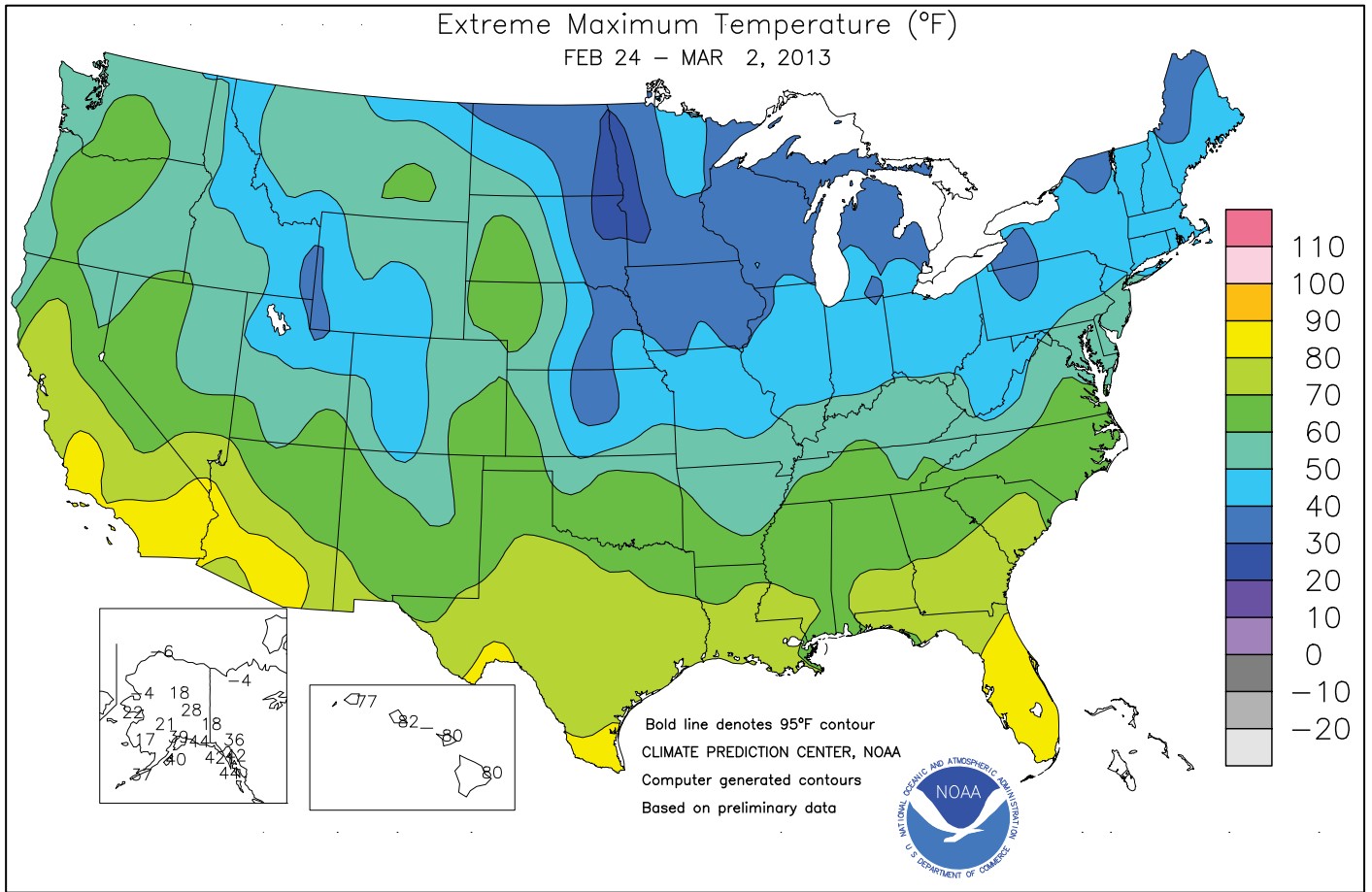
Highlights provided by USDA/WAOB

The second major storm in less than a week produced heavy snow across parts of the **central and southern Plains** and the **Midwest**, providing additional relief for drought-stressed rangeland, pastures, and winter wheat. However, the storm also brought another round of livestock stress and travel disruptions. The two storms, which primarily struck from February 20-22 and 25-27, helped to maintain cold conditions across the majority of the nation. In fact, weekly temperatures averaged as much as 10°F below normal across **central portions of the**

(Continued on page 3)

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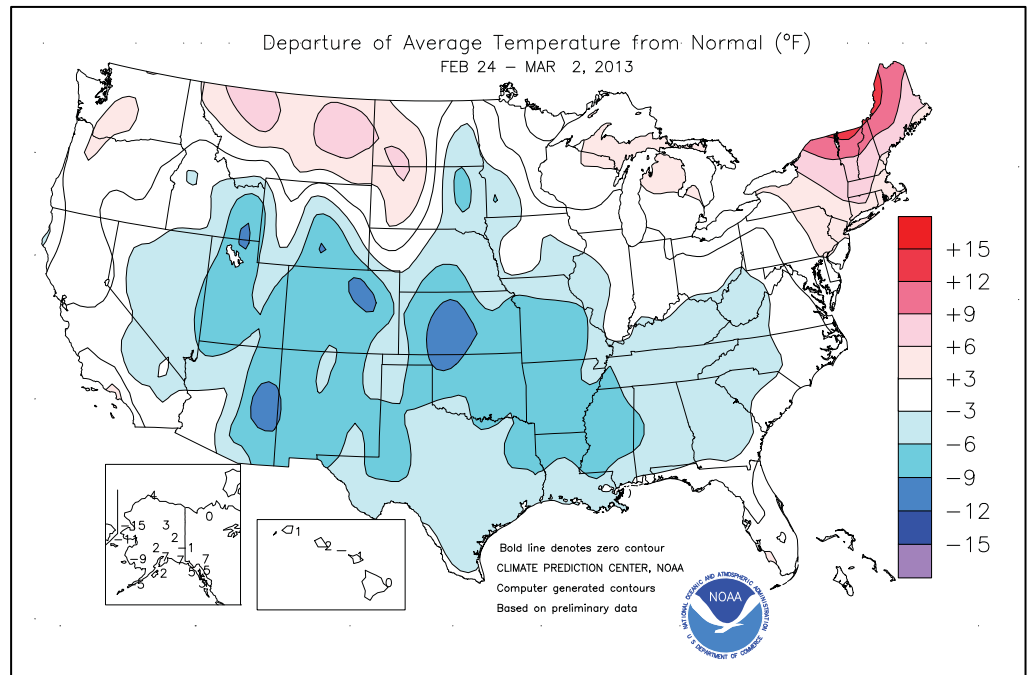
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(Continued from front cover)

Rockies and Plains. Mild weather was mostly confined to the **nation's northern tier**, where readings averaged more than 10°F above normal in **northern New England**. The latest storm also produced downpours across the **lower Southeast**, triggering some additional lowland flooding. Although weekly rainfall totaled 4 inches or more across **northern Florida** and neighboring areas, most of **Florida's citrus belt** remained unfavorably dry and continued to require irrigation. The storm also bypassed the **northern Plains** and **upper Midwest**, although these regions had received some beneficial precipitation earlier in the year. Elsewhere, precipitation was generally light and confined to areas from the **Pacific Northwest to the Rockies**. Little or no precipitation fell from **California into the Southwest**, continuing a disappointingly drier-than-normal trend that developed across much of the **West** as 2013 began.

On February 24, heavy snow blanketed parts of **New England**, where daily-record totals included 13.1 inches in **Concord, NH**, and 10.7 inches in **Portland, ME**. The accumulations boosted February snowfall totals to 43.6 inches in **Concord** and 49.5 inches in **Portland**. Farther west, a new storm took aim on the **nation's mid-section**. On February 25, daily-record snowfall totals reached 19.0 inches in **Amarillo, TX**; 16.0 inches in **Borger, TX**; and 4.8 inches in **Wichita, KS**. It was also Amarillo's snowiest February day on record, surpassing 12.0 inches on February 16, 1893. In addition, **Amarillo** set a record with a 17-inch snow depth on the morning of February 26, exceeding the 15-inch standard set on December 27, 2000. **Wichita**, which received snowfall totals of 14.2 and 7.0 inches from February 20-21 and 25-27, respectively, set a record for any month with 21.2 inches of snow. Previously, **Wichita's** snowiest month had been 20.5 inches in February 1913. On February 25, high winds associated with the storm gusted to 69 mph in **Raton, NM**; 63 mph in **Corpus Christi, TX**; and 62 mph in **Dalhart, TX**. Later, heavy snow overspread the **Midwest**, where record-breaking amounts for February 26 included 8.4 inches in **Kansas City, MO**, and 4.8 inches in **Chicago, IL**. **Waterloo, IA**, set consecutive daily snowfall records on February 26-27, totaling 10.4 inches. As precipitation spread from the **Midwest into the Northeast**, daily-record snowfall totals for February 27 reached 5.4 inches in **Milwaukee, WI**, and 3.6 inches in **Albany, NY**. In **Maine**, **Caribou** collected a daily-record snowfall (13.6 inches) for February 28. Meanwhile, **Northeastern** precipitation totals reached daily-record levels for February 27 in locations such as **New York's Central Park** (1.56 inches) and **Providence, RI** (1.39 inches). Elsewhere, heavy rain returned to the **Deep South**. Record-setting totals for February 25 reached 3.95 inches in **Tallahassee, FL**; 1.88 inches in **Charleston, SC**; and 1.74 inches in **Savannah, GA**. **Tallahassee** (12.36 inches), **Charleston** (10.47 inches), and **Savannah** (9.75 inches) also set records for



February wetness. Previously, records had been 12.22 inches (in 1914) in **Tallahassee**, 10.17 inches (in 1998) in **Charleston**, and 9.71 inches (in 1874) in **Savannah**. Late in the week, precipitation returned to the **Pacific Northwest**, while snow showers developed as far south as the **central Gulf Coast States**. **Astoria, OR**, tallied a daily-record total (1.40 inches) for February 28, followed by a trace of snow on March 2 in **Anniston, AL**, and **Jackson, MS**.

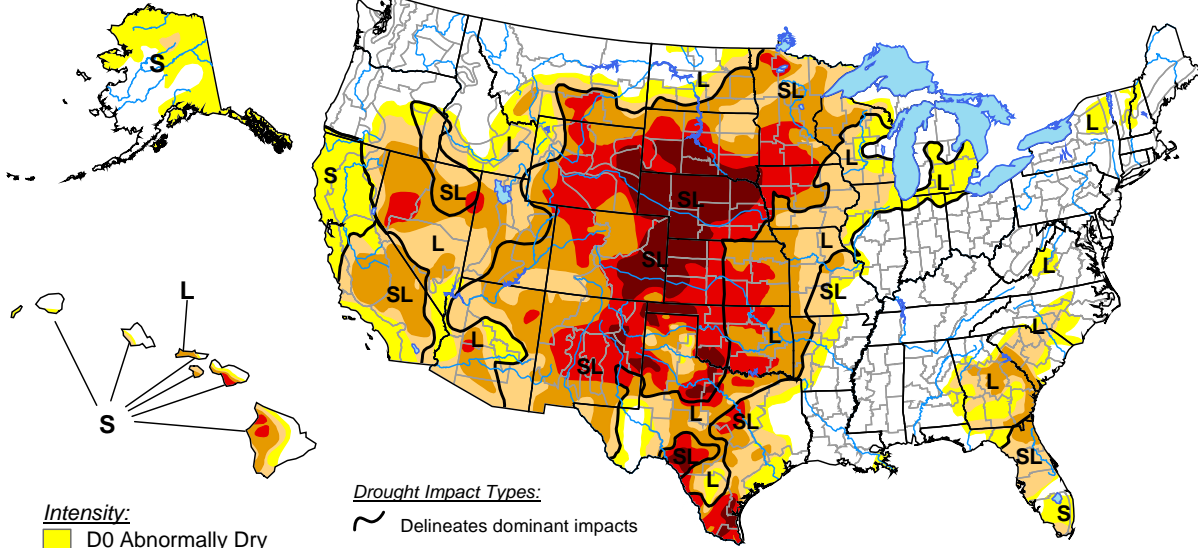
Cold air trailed the late-month storm into the **West**. In **California**, daily-record lows for February 24 included 17°F in **Montague** and 31°F in **Eureka**. The following day, **Western** record lows for February 25 dipped to 3°F in **Cedar City, UT**, and 31°F in **Barstow-Daggett, CA**. With a low of 18°F, **Douglas, AZ**, posted a daily-record low for February 26. In contrast, record-setting warmth prevailed across **Florida's peninsula**, where **West Palm Beach** (88°F) collected a daily-record high for February 24. The following day, additional daily-record highs in **Florida** soared to 87°F in **Melbourne** and 86°F in **Vero Beach**. Toward week's end, record-breaking warmth developed in the **Pacific Coast States**. Daily-record highs for March 1 climbed to 89°F in **Camarillo, CA**, and 68°F in **Yakima, WA**. **Los Angeles (LAX Airport), CA**, opened the new month with consecutive daily-record highs (81 and 82°F, respectively) on March 1-2.

Cold weather persisted across **western Alaska**, but temperatures rebounded to near- or above-normal levels across the remainder of the state. On February 25, **Nome's** low of -30°F represented its lowest temperature since December 19. Meanwhile, significant **Alaskan** precipitation was confined to the southern tier of the state. On **Annette Island**, weekly rainfall totaled 2.67 inches. Farther south, heavy showers subsided across **Hawaii's** windward areas. **Hilo** received 1.41 inches of rain during the last 5 days of February, boosting its monthly total to 23.12 inches (242 percent of normal). Elsewhere, however, February rainfall was below normal in locations such as **Honolulu, Oahu** (0.65 inch, or 33 percent of normal), and **Lihue, Kauai** (1.00 inch, or 32 percent).

U.S. Drought Monitor

February 26, 2013

Valid 8 a.m. EST



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types:

- Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu/>

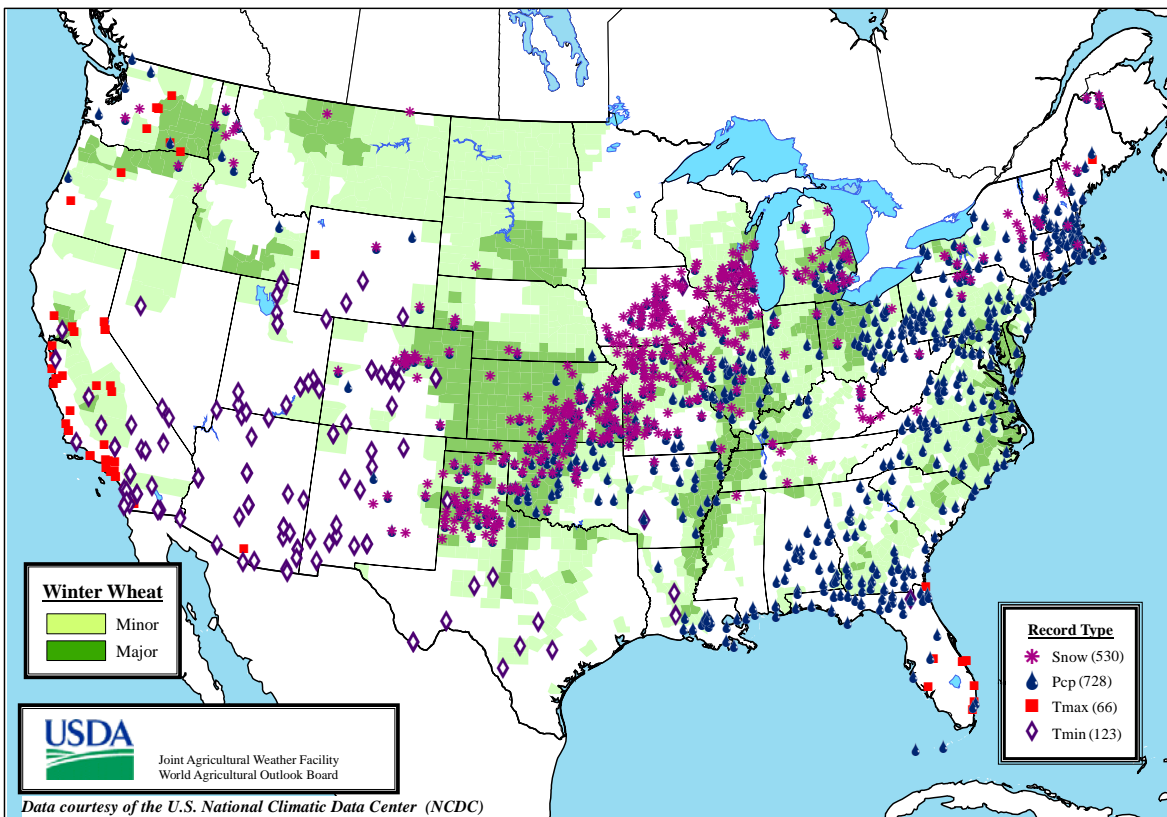


Released Thursday, February 28, 2013

Author: Brian Fuchs, National Drought Mitigation Center

Daily Weather Records (ASOS & COOP)

February 24-March 2, 2013



Data courtesy of the U.S. National Climatic Data Center (NCDC)

National Weather Data for Selected Cities

Weather Data for the Week Ending March 2, 2013

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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F			
																90 AND ABOVE	82 AND BELOW	.01 INCH OF MORE	.50 INCH OF MORE
AL BIRMINGHAM	52	38	65	32	45	-5	1.11	-0.02	0.67	0.00	0	14.59	146	85	45	0	1	2	1
HUNTSVILLE	50	36	61	31	43	-4	0.23	-1.15	0.18	0.00	0	11.89	109	79	61	0	1	2	0
MOBILE	62	43	70	30	52	-4	4.46	3.05	4.13	0.00	0	14.23	126	86	52	0	1	2	1
MONTGOMERY	58	40	72	33	49	-4	2.66	1.20	2.03	0.00	0	16.78	154	81	45	0	0	2	2
AK ANCHORAGE	34	23	39	17	28	7	0.02	-0.16	0.02	0.02	40	2.40	163	81	69	0	7	1	0
BARROW	-9	-16	-6	-20	-13	3	0.05	0.04	0.02	0.00	0	0.13	54	83	70	0	7	3	0
FAIRBANKS	17	-12	28	-22	2	1	0.00	-0.06	0.00	0.00	0	0.79	84	84	75	0	7	0	0
JUNEAU	40	32	42	26	36	5	0.69	-0.27	0.25	0.24	89	14.64	161	90	81	0	3	4	0
KODIAK	38	27	40	21	33	2	1.36	0.11	0.69	0.01	3	16.23	114	90	78	0	6	5	1
NOME	6	-16	22	-30	-5	-12	0.00	-0.14	0.00	0.00	0	1.53	89	77	67	0	7	0	0
AZ FLAGSTAFF	44	17	63	8	31	-2	0.01	-0.67	0.01	0.00	0	3.51	71	70	21	0	7	1	0
PHOENIX	71	44	85	40	58	-2	0.00	-0.23	0.00	0.00	0	1.70	102	38	16	0	0	0	0
PRESCOTT	56	21	72	16	39	-2	0.01	-0.49	0.01	0.00	0	2.17	60	64	12	0	7	1	0
TUCSON	70	34	96	30	52	-4	0.00	-0.22	0.00	0.00	0	1.60	83	54	21	2	3	0	0
AR FORT SMITH	50	34	61	28	42	-5	0.87	0.12	0.85	0.00	0	8.44	163	81	49	0	4	2	1
LITTLE ROCK	49	35	56	27	42	-6	1.46	0.58	1.40	0.00	0	9.57	133	84	47	0	3	2	1
CA BAKERSFIELD	70	39	82	33	55	0	0.00	-0.32	0.00	0.00	0	1.43	58	65	37	0	0	0	0
FRESNO	70	41	81	36	55	2	0.00	-0.53	0.00	0.00	0	1.47	33	75	51	0	0	0	0
LOS ANGELES	73	50	82	44	61	3	0.00	-0.73	0.00	0.00	0	2.24	36	65	27	0	0	0	0
REDDING	67	40	77	31	54	3	0.00	-1.30	0.00	0.00	0	1.46	12	67	43	0	1	0	0
SACRAMENTO	68	39	73	34	53	0	0.00	-0.80	0.00	0.00	0	1.33	18	78	30	0	0	0	0
SAN DIEGO	72	49	80	45	60	1	0.00	-0.51	0.00	0.00	0	1.87	42	52	25	0	0	0	0
SAN FRANCISCO	63	45	71	40	54	1	0.00	-0.91	0.00	0.00	0	0.89	10	84	68	0	0	0	0
STOCKTON	69	38	76	33	54	1	0.00	-0.58	0.00	0.00	0	1.50	28	81	54	0	0	0	0
CO ALAMOSA	40	4	51	-4	22	-5	0.00	-0.06	0.00	0.00	0	0.22	46	80	37	0	7	0	0
CO SPRINGS	38	18	55	11	28	-6	0.05	-0.08	0.04	0.00	0	1.09	163	72	38	0	7	2	0
DENVER INTL	36	14	50	7	25	-9	0.35	0.22	0.25	0.00	0	0.91	182	74	51	0	7	2	0
GRAND JUNCTION	42	21	56	17	32	-6	0.06	-0.09	0.05	0.00	0	1.01	88	83	55	0	7	2	0
PUEBLO	45	16	66	10	31	-6	0.16	0.07	0.15	0.00	0	1.28	206	77	48	0	7	2	0
CT BRIDGEPORT	43	33	47	31	38	4	1.32	0.57	1.06	0.00	0	11.38	166	87	69	0	3	3	1
HARTFORD	42	32	46	28	37	5	1.38	0.65	1.23	0.00	0	5.35	76	84	66	0	3	4	1
DC WASHINGTON	49	36	58	30	43	2	0.64	-0.08	0.62	0.00	0	4.26	70	77	42	0	2	3	1
DE WILMINGTON	48	32	56	26	40	3	0.87	-0.09	0.57	0.00	0	5.89	91	87	46	0	5	2	1
FL DAYTONA BEACH	72	53	81	38	63	1	0.62	0.09	0.57	0.00	0	1.88	31	88	43	0	0	2	1
JACKSONVILLE	67	50	79	34	59	1	3.80	3.03	3.20	0.00	0	5.74	81	91	48	0	0	3	2
KEY WEST	77	69	82	58	73	1	0.46	0.13	0.21	0.02	22	1.56	41	87	69	0	0	4	0
MIAMI	78	65	86	52	71	1	0.11	-0.38	0.10	0.00	0	2.39	59	86	55	0	0	2	0
ORLANDO	75	55	88	41	65	1	0.17	-0.48	0.12	0.00	0	0.91	18	87	56	0	0	2	0
PENSACOLA	63	48	72	34	56	-1	4.95	3.69	3.57	0.00	0	13.95	134	80	49	0	0	3	2
TALLAHASSEE	64	45	76	34	55	-2	0.33	-0.96	0.33	0.00	0	8.17	79	88	47	0	0	1	0
TAMPA	71	59	81	48	65	1	0.16	-0.53	0.16	0.00	0	1.57	31	80	56	0	0	1	0
WEST PALM BEACH	77	63	88	49	70	2	0.44	-0.13	0.44	0.00	0	3.19	49	82	54	0	0	1	0
GA ATHENS	53	35	68	30	44	-4	1.57	0.44	1.42	0.00	0	11.13	118	84	55	0	2	2	1
ATLANTA	52	38	64	34	45	-4	1.53	0.33	1.34	0.00	0	12.41	123	81	60	0	0	2	1
AUGUSTA	58	38	71	31	48	-3	1.10	0.07	1.08	0.00	0	9.69	109	82	61	0	1	2	1
COLUMBUS	59	41	72	37	50	-3	1.97	0.76	1.06	0.00	0	15.52	161	82	38	0	0	2	2
MACON	58	38	71	30	48	-3	2.06	0.93	1.08	0.00	0	14.72	149	90	47	0	2	2	2
SAVANNAH	62	44	77	34	53	-2	2.60	1.93	1.71	0.00	0	10.31	146	83	51	0	0	2	2
HI HILO	78	65	80	61	71	-1	1.91	-0.50	0.81	0.00	0	30.82	160	78	70	0	0	4	2
HONOLULU	81	70	82	70	75	2	0.17	-0.38	0.17	0.00	0	3.09	59	70	61	0	0	1	0
KAHULUI	79	67	80	67	73	1	0.07	-0.43	0.03	0.01	7	5.00	80	80	71	0	0	4	0
LIHUE	77	68	77	67	72	0	0.07	-0.71	0.04	0.01	4	6.83	85	77	68	0	0	4	0
ID BOISE	47	29	60	22	38	-2	0.15	-0.13	0.12	0.00	0	1.93	74	84	64	0	5	2	0
LEWISTON	54	40	61	32	47	6	0.17	-0.02	0.17	0.00	0	1.56	73	66	56	0	1	1	0
POCATELLO	37	15	49	1	26	-7	0.09	-0.18	0.03	0.01	13	1.10	49	90	67	0	7	4	0
IL CHICAGO/O'HARE	35	24	43	17	30	-1	0.67	0.26	0.45	0.02	17	6.78	194	88	69	0	7	4	0
MOLINE	34	21	40	8	28	-3	0.54	0.11	0.36	0.02	15	5.22	162	85	68	0	7	4	0
PEORIA	35	24	45	12	30	-2	0.69	0.20	0.52	0.01	7	6.69	202	88	66	0	7	4	1
ROCKFORD	34	20	47	8	27	-2	0.32	-0.02	0.19	0.00	0	5.82	204	87	69	0	7	3	0
SPRINGFIELD	36	25	45	14	30	-4	1.41	0.86	1.18	0.05	29	5.66	158	96	69	0	7	4	1
IN EVANSVILLE	43	31	52	21	37	-2	1.00	0.15	0.79	0.15	60	9.69	155	84	65	0	4	4	1
FORT WAYNE	35	27	41	20	31	0	1.24	0.74	0.92	0.00	0	5.35	129	92	71	0	7	3	1
INDIANAPOLIS	38	28	44	20	33	-2	1.35	0.70	1.26	0.03	16	7.85	155	89	66	0	6	5	1
SOUTH BEND	36	26	41	18	31	0	0.73	0.23	0.53	0.00	0	7.40	169	84	66	0	7	2	1
IA BURLINGTON	34	23	39	10	28	-4	0.19	-0.29	0.07	0.06	40	4.13	138	93	68	0	7	4	0
CEDAR RAPIDS	32	19	37	6	26	-3	0.13	-0.17	0.08	0.05	56	2.02	90	97	71	0	7	2	0
DES MOINES	34	24	41	16	29	-2	0.73	0.42	0.52	0.01	11	2.92	126	81	67	0	7	3	1
DUBUQUE	32	17	38	2	25	-2	0.39	0.00	0.19	0.00	0	3.69	131	91	74	0	7	3	0
SIOUX CITY	30	17	33	4	24	-5	0.00	-0.23	0.00	0.00	0	0.85	66	89	79	0	7	0	0
WATERLOO	31	15	36	-1	23	-4	0.61	0.32	0.41	0.00	0	3.09	156	88	74	0	7	2	0
KS CONCORDIA	35	22	40	13	29	-7	0.21	-0.10	0.12	0.00	0	1.49	99	86	69	0	7	2	0
DODGE CITY	38	21	56	16	29	-10	0.18	-0.06	0.18	0.00	0	3.53	261	88	67	0	7	1	0
GOODLAND	39	18	59	6	29	-6	0.04	-0.13	0.04	0.00	0	0.85	91	83	64	0	7	1	0
TOPEKA	38	26	45	10	32	-5	0.35	-0.04	0.16	0.00	0	1.63	72	79	66	0	7	3	0

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending March 2, 2013

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 MAR 1	PCT. NORMAL SINCE MAR 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	39	25	45	18	32	-8	0.31	-0.09	0.26	0.00	0	2.64	133	88	69	0	7	2	0
KY JACKSON	43	30	59	24	36	-5	1.10	0.10	0.46	0.47	162	8.07	107	90	61	0	6	5	0
LEXINGTON	42	30	54	24	36	-3	0.46	-0.47	0.38	0.06	21	6.06	88	90	75	0	6	4	0
LOUISVILLE	44	32	53	24	38	-3	0.77	-0.14	0.64	0.09	33	7.12	105	85	59	0	3	3	1
LA PADUCAH	44	32	57	23	38	-3	0.77	-0.21	0.53	0.11	39	11.87	155	91	58	0	3	4	1
LA BATON ROUGE	61	42	72	30	52	-4	1.21	0.08	0.62	0.00	0	22.04	190	87	42	0	1	2	2
LA LAKE CHARLES	65	43	75	35	54	-3	0.26	-0.43	0.23	0.00	0	16.61	185	80	37	0	0	2	0
LA NEW ORLEANS	61	47	69	38	54	-4	2.70	1.49	1.90	0.00	0	13.82	118	79	57	0	0	2	2
LA SHREVEPORT	60	35	69	31	48	-6	0.23	-0.77	0.23	0.00	0	7.48	82	81	35	0	2	1	0
ME CARIBOU	35	17	41	2	26	9	1.62	1.12	1.50	0.11	73	5.76	111	89	57	0	7	4	1
ME PORTLAND	39	30	43	25	35	7	2.36	1.59	1.14	0.10	45	5.78	78	94	71	0	7	5	2
MD BALTIMORE	47	32	56	26	40	2	0.59	-0.23	0.52	0.00	0	5.60	83	81	53	0	5	3	1
MA BOSTON	41	32	44	28	36	2	2.14	1.34	1.37	0.00	0	4.73	63	91	73	0	3	2	2
MA WORCESTER	37	30	41	27	34	5	2.14	1.35	1.24	0.00	0	5.51	74	92	71	0	7	3	2
MI ALPENA	31	23	37	15	27	5	0.49	0.14	0.33	0.00	0	4.55	141	89	70	0	7	3	0
MI GRAND RAPIDS	35	24	43	15	30	2	0.59	0.22	0.39	0.00	0	6.45	176	84	64	0	6	3	0
MI HOUGHTON LAKE	33	19	35	12	26	3	0.18	-0.13	0.12	0.00	0	5.35	181	85	69	0	7	3	0
MI LANSING	33	24	41	18	29	2	0.60	0.26	0.45	0.00	0	5.19	164	82	70	0	7	4	0
MI MUSKEGON	36	23	43	15	30	2	0.74	0.37	0.46	0.00	0	9.09	232	77	64	0	6	2	0
MI TRAVERSE CITY	33	23	37	15	28	4	0.09	-0.24	0.04	0.00	0	5.39	111	86	61	0	6	3	0
MN DULUTH	31	10	37	-9	20	1	0.01	-0.19	0.01	0.00	0	2.58	128	81	60	0	7	1	0
MN INT'L FALLS	31	-4	42	-20	14	-2	0.01	-0.13	0.01	0.00	0	4.07	268	87	47	0	7	1	0
MN MINNEAPOLIS	34	19	38	10	27	3	0.00	-0.21	0.00	0.00	0	2.20	116	82	63	0	7	0	0
MN ROCHESTER	32	17	37	2	25	2	0.02	-0.18	0.01	0.00	0	1.95	111	79	66	0	7	2	0
MN ST. CLOUD	32	7	40	-7	20	-1	0.00	-0.15	0.00	0.00	0	1.77	126	85	56	0	7	0	0
MS JACKSON	57	35	69	27	46	-6	0.77	-0.32	0.77	0.00	0	17.44	166	91	48	0	3	1	1
MS MERIDIAN	57	34	68	28	45	-8	0.21	-1.20	0.21	0.00	0	18.85	161	96	56	0	4	1	0
MS TUPELO	51	35	62	28	43	-5	0.58	-0.73	0.33	0.00	0	12.46	122	79	53	0	3	2	0
MO COLUMBIA	37	25	47	17	31	-6	0.60	-0.01	0.45	0.01	6	5.41	132	86	65	0	6	4	0
MO KANSAS CITY	34	25	41	16	29	-8	0.79	0.38	0.41	0.00	0	2.90	112	85	64	0	7	3	0
MO SAINT LOUIS	38	28	43	18	33	-6	1.20	0.55	0.85	0.08	42	6.48	141	84	69	0	6	5	1
MO SPRINGFIELD	37	28	53	19	32	-8	0.78	0.15	0.45	0.00	0	5.42	118	86	72	0	6	2	0
MT BILLINGS	50	28	62	20	39	6	0.00	-0.15	0.00	0.00	0	0.88	62	60	31	0	6	0	0
MT BUTTE	38	10	50	-7	24	-1	0.00	-0.13	0.00	0.00	0	0.41	39	84	42	0	7	0	0
MT CUT BANK	45	24	57	16	34	8	0.00	-0.06	0.00	0.00	0	0.43	62	77	37	0	6	0	0
MT GLASGOW	41	23	51	20	32	8	0.00	-0.06	0.00	0.00	0	0.67	106	86	69	0	7	0	0
MT GREAT FALLS	49	27	62	20	38	9	0.01	-0.14	0.01	0.00	0	1.04	84	69	32	0	5	1	0
MT HAVRE	45	25	56	15	35	9	0.01	-0.09	0.01	0.00	0	1.55	180	80	63	0	6	1	0
MT MISSOULA	44	28	53	23	36	4	0.07	-0.12	0.03	0.03	50	1.47	78	88	72	0	6	3	0
NE GRAND ISLAND	33	18	37	10	25	-7	0.05	-0.21	0.04	0.00	0	0.77	59	90	80	0	7	2	0
NE LINCOLN	37	21	43	9	29	-3	0.02	-0.24	0.02	0.00	0	1.27	89	85	67	0	7	1	0
NE NORFOLK	32	17	40	9	25	-5	0.00	-0.25	0.00	0.00	0	0.68	48	88	74	0	7	0	0
NE NORTH PLATTE	41	16	62	5	29	-4	0.03	-0.14	0.03	0.03	50	1.20	125	90	56	0	7	1	0
NE OMAHA	34	24	42	17	29	-3	0.01	-0.26	0.01	0.00	0	1.28	77	83	71	0	7	1	0
NE SCOTTSBLUFF	46	19	63	11	33	0	0.05	-0.11	0.05	0.00	0	0.51	44	83	45	0	7	1	0
NE VALENTINE	41	20	60	13	30	0	0.01	-0.14	0.01	0.01	20	1.03	124	88	73	0	7	1	0
NV ELY	43	14	55	5	29	-3	0.00	-0.20	0.00	0.00	0	1.31	85	82	55	0	7	0	0
NV LAS VEGAS	64	40	75	35	52	-2	0.00	-0.17	0.00	0.00	0	0.43	32	31	19	0	0	0	0
NV RENO	58	26	68	19	42	1	0.00	-0.25	0.00	0.00	0	0.12	5	57	33	0	6	0	0
NV WINNEMUCCA	53	19	66	12	36	-2	0.00	-0.15	0.00	0.00	0	0.45	30	76	41	0	7	0	0
NH CONCORD	38	28	43	21	33	7	1.55	0.97	0.97	0.00	0	5.17	94	96	73	0	7	4	2
NJ NEWARK	47	33	51	30	40	4	1.50	0.74	1.15	0.00	0	6.33	88	80	53	0	3	2	1
NM ALBUQUERQUE	51	27	64	18	39	-5	0.02	-0.09	0.02	0.00	0	0.35	36	59	18	0	5	1	0
NY ALBANY	41	28	45	21	35	7	0.96	0.40	0.79	0.03	18	3.17	66	92	63	0	6	5	1
NY BINGHAMTON	33	25	37	20	29	3	1.07	0.46	0.57	0.00	0	4.51	87	89	74	0	7	4	1
NY BUFFALO	34	27	42	21	30	2	1.51	0.93	0.90	0.00	0	5.32	93	88	73	0	6	4	1
NY ROCHESTER	35	28	44	23	32	4	1.54	1.04	0.82	0.08	57	5.76	127	85	72	0	5	6	2
NY SYRACUSE	37	27	44	19	32	5	1.17	0.65	0.60	0.01	7	4.38	90	85	66	0	5	5	1
NC ASHEVILLE	46	31	57	26	38	-3	1.55	0.57	1.52	0.01	3	12.15	149	87	60	0	6	3	1
NC CHARLOTTE	51	34	66	26	42	-6	1.34	0.40	1.16	0.18	64	7.88	101	88	49	0	3	2	1
NC GREENSBORO	48	33	61	30	41	-3	0.87	0.07	0.82	0.00	0	8.67	126	84	44	0	5	2	1
NC HATTERAS	54	42	62	38	48	0	1.00	0.03	0.96	0.00	0	9.74	97	88	60	0	0	2	1
NC RALEIGH	53	34	62	26	43	-2	0.94	0.05	0.86	0.00	0	7.13	92	85	47	0	3	2	1
NC WILMINGTON	58	40	69	33	49	-1	1.64	0.71	1.64	0.00	0	7.31	87	91	48	0	0	1	1
ND BISMARCK	37	19	48	9	28	5	0.01	-0.12	0.01	0.00	0	0.65	65	87	67	0	7	1	0
ND DICKINSON	41	22	51	15	31	6	0.00	-0.06	0.00	0.00	0	0.08	10	90	55	0	7	0	0
ND FARGO	26	8	28	1	17	-2	0.01	-0.15	0.01	0.00	0	1.87	134	88	69	0	7	1	0
ND GRAND FORKS	25	5	28	3	15	-3	0.00	-0.14	0.00	0.00	0	0.80	62	94	73	0	7	0	0
ND JAMESTOWN	28	3	36	-3	15	-5	0.00	-0.12	0.00	0.00	0	0.50	42	91	71	0	7	0	0
ND WILLISTON	34	21	41	17	28	6	0.01	-0.09	0.01	0.00	0	1.06	110	94	80	0	7	1	0
OH AKRON-CANTON	36	27	43	22	32	1	1.20	0.59	0.80	0.07	39	4.11	83	84	72	0	6	5	1
OH CINCINNATI	40	30	50	24	35	-2	1.10	0.36	1.02	0.06	27	5.48	93	84	68	0	5	4	1
OH CLEVELAND	35	26	42	21	31	0	0.97	0.41	0.54	0.10	59	4.52	91	91	71	0	6	5	1
OH COLUMBUS	39	30	46	23	34	-1	0.99	0.43	0.72	0.01	6	4.07	83	84	68	0	5	4	1
OH DAYTON	38	28	44	22	33	-1	0.71	0.13	0.60	0.00	0	4.39	87	90	69	0	6	3	1
OH MANSFIELD	36	26	41	20	31	1	1.20	0.65	0.85	0.05	31	4.59	93	94	71	0	7	4	1

Based on 1971-2000 normals

*** Not Available

Weather Data for the Week Ending March 2, 2013

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 MAR 1	PCT. NORMAL SINCE MAR 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	36	26	41	19	31	1	1.74	1.27	1.33	0.00	0	6.40	162	84	73	0	7	3	1
OK YOUNGSTOWN	35	26	42	21	30	0	1.19	0.66	0.77	0.06	38	4.29	95	84	74	0	7	6	1
OK OKLAHOMA CITY	50	28	64	22	39	-6	0.86	0.32	0.84	0.00	0	3.93	131	85	51	0	6	2	1
OR TULSA	47	29	60	24	38	-7	1.37	0.74	1.21	0.00	0	4.78	128	83	64	0	7	2	1
OR ASTORIA	51	41	55	33	46	1	2.35	0.52	1.35	0.26	50	15.61	87	93	82	0	0	6	1
OR BURNS	45	22	56	15	34	1	0.05	-0.23	0.04	0.00	0	0.74	31	90	68	0	7	2	0
OR EUGENE	55	39	64	27	47	3	0.37	-1.10	0.24	0.00	0	2.85	20	94	81	0	2	3	0
OR MEDFORD	56	35	65	25	46	1	0.15	-0.33	0.07	0.01	8	1.58	34	93	57	0	3	4	0
OR PENDLETON	53	34	62	28	43	2	0.28	0.00	0.21	0.00	0	1.38	50	80	60	0	4	2	0
OR PORTLAND	54	42	61	36	48	3	0.39	-0.57	0.24	0.00	0	4.74	50	89	79	0	0	3	0
OR SALEM	54	40	63	33	47	3	0.27	-0.89	0.21	0.00	0	3.06	27	93	79	0	0	2	0
PA ALLENTOWN	44	28	48	23	36	3	0.58	-0.11	0.34	0.00	0	5.97	93	85	59	0	6	2	0
PA ERIE	35	26	42	21	30	-1	1.03	0.45	0.58	0.01	6	5.90	118	82	73	0	6	4	1
PA MIDDLETOWN	44	31	50	23	37	3	0.75	0.01	0.55	0.00	0	4.96	83	86	50	0	4	2	1
PA PHILADELPHIA	47	34	53	28	41	4	0.52	-0.20	0.45	0.00	0	5.42	84	78	49	0	3	3	0
PA PITTSBURGH	38	28	47	22	33	0	1.11	0.50	0.76	0.01	6	4.35	83	83	59	0	6	4	1
PA WILKES-BARRE	39	29	42	24	34	2	0.63	0.13	0.28	0.00	0	3.40	73	86	61	0	6	3	0
PA WILLIAMSPORT	40	28	46	22	34	2	1.03	0.40	0.51	0.00	0	4.15	74	84	59	0	5	3	2
RI PROVIDENCE	44	33	49	29	38	5	1.73	0.89	1.39	0.00	0	6.46	80	87	67	0	3	3	1
SC BEAUFORT	61	44	73	36	52	-1	3.52	2.82	2.88	0.00	0	11.93	162	85	46	0	0	2	2
SC CHARLESTON	60	43	73	36	52	-1	2.02	1.25	1.88	0.00	0	10.82	146	84	50	0	0	2	1
SC COLUMBIA	57	37	68	31	47	-3	1.21	0.26	1.21	0.00	0	6.72	77	82	50	0	2	1	1
SC GREENVILLE	52	34	65	30	43	-4	1.53	0.36	1.45	0.07	20	9.27	103	86	49	0	2	3	1
SD ABERDEEN	26	3	30	-1	15	-8	0.00	-0.15	0.00	0.00	0	1.68	166	85	78	0	7	0	0
SD HURON	27	9	31	3	18	-7	0.00	-0.19	0.00	0.00	0	1.66	150	92	75	0	7	0	0
SD RAPID CITY	46	17	63	9	32	2	0.01	-0.13	0.01	0.00	0	0.64	74	85	43	0	7	1	0
SD SIOUX FALLS	29	13	35	5	21	-4	0.00	-0.18	0.00	0.00	0	1.34	124	90	79	0	7	0	0
TN BRISTOL	47	32	56	26	39	-2	0.32	-0.57	0.19	0.06	23	11.91	166	86	52	0	5	5	0
TN CHATTANOOGA	50	37	60	32	43	-3	0.90	-0.38	0.81	0.00	0	13.69	129	78	57	0	2	2	1
TN KNOXVILLE	49	34	62	30	42	-2	0.71	-0.37	0.53	0.15	47	15.21	171	84	52	0	2	5	1
TN MEMPHIS	49	36	60	29	42	-6	0.73	-0.41	0.72	0.01	3	13.59	153	77	54	0	2	2	1
TN NASHVILLE	48	34	66	30	41	-3	0.32	-0.69	0.19	0.09	30	9.70	122	83	54	0	2	5	0
TX ABILENE	62	32	74	24	47	-4	0.03	-0.27	0.03	0.00	0	1.89	86	77	44	0	5	1	0
TX AMARILLO	49	26	67	17	37	-6	0.30	0.14	0.30	0.00	0	2.24	182	82	49	0	7	1	0
TX AUSTIN	67	34	75	26	50	-7	0.01	-0.54	0.01	0.00	0	3.39	84	60	29	0	4	1	0
TX BEAUMONT	65	42	74	35	53	-5	0.64	-0.08	0.56	0.00	0	11.52	125	84	32	0	0	2	1
TX BROWNSVILLE	76	50	83	41	63	-2	0.00	-0.20	0.00	0.00	0	1.48	57	80	39	0	0	0	0
TX CORPUS CHRISTI	74	44	81	38	59	-3	0.01	-0.44	0.01	0.00	0	1.70	47	66	32	0	0	1	0
TX DEL RIO	70	40	78	31	55	-4	0.00	-0.23	0.00	0.00	0	1.33	84	46	24	0	1	0	0
TX EL PASO	61	34	70	32	48	-5	0.00	-0.08	0.00	0.00	0	0.71	83	35	13	0	2	0	0
TX FORT WORTH	60	36	70	31	48	-4	0.02	-0.70	0.02	0.00	0	5.74	128	70	32	0	1	1	0
TX GALVESTON	67	50	76	47	58	-2	0.03	-0.52	0.02	0.00	0	9.46	138	77	35	0	0	2	0
TX HOUSTON	66	41	76	36	54	-4	0.01	-0.71	0.01	0.00	0	4.53	66	79	36	0	0	1	0
TX LUBBOCK	55	27	70	20	41	-5	0.31	0.14	0.31	0.00	0	2.20	175	87	48	0	6	1	0
TX MIDLAND	62	28	75	20	45	-6	0.00	-0.14	0.00	0.00	0	1.53	133	64	29	0	6	0	0
TX SAN ANGELO	67	31	79	24	49	-3	0.02	-0.27	0.02	0.00	0	1.83	88	65	33	0	4	1	0
TX SAN ANTONIO	68	40	73	33	54	-3	0.00	-0.44	0.00	0.00	0	2.94	83	71	25	0	0	0	0
TX VICTORIA	68	40	74	34	54	-5	0.02	-0.48	0.02	0.00	0	4.11	89	83	41	0	0	1	0
TX WACO	63	33	73	25	48	-6	0.02	-0.64	0.02	0.00	0	7.16	158	79	37	0	4	1	0
TX WICHITA FALLS	57	31	69	25	44	-5	0.28	-0.18	0.28	0.00	0	2.70	96	84	55	0	5	1	0
UT SALT LAKE CITY	38	22	50	13	30	-8	0.02	-0.34	0.01	0.00	0	2.28	81	83	52	0	6	2	0
VT BURLINGTON	38	30	44	23	34	11	0.48	0.09	0.25	0.11	100	2.57	64	92	69	0	6	5	0
VA LYNCHBURG	46	29	58	26	38	-2	0.71	-0.09	0.71	0.00	0	7.71	112	79	43	0	6	1	1
VA NORFOLK	52	38	63	34	45	1	1.19	0.34	1.16	0.00	0	7.56	101	82	54	0	0	2	1
VA RICHMOND	51	34	60	27	42	0	0.74	-0.08	0.73	0.00	0	7.94	117	79	51	0	2	2	1
VA ROANOKE	44	34	56	30	39	-2	1.27	0.47	1.27	0.00	0	9.33	143	64	46	0	3	1	1
WA WASH/DULLES	46	31	55	22	39	2	0.76	0.03	0.72	0.00	0	5.28	88	78	53	0	4	3	1
WA OLYMPIA	51	40	56	34	46	5	1.77	0.39	1.10	0.18	46	8.10	57	93	82	0	0	6	1
WA QUILLAYUTE	49	41	51	36	45	2	7.52	4.58	2.19	3.41	416	25.03	93	88	80	0	0	7	6
WA SEATTLE-TACOMA	52	42	59	38	47	3	0.80	-0.14	0.28	0.23	88	5.96	62	83	73	0	0	6	0
WA SPOKANE	44	32	53	24	38	3	0.29	-0.07	0.15	0.01	10	2.36	69	91	65	0	4	3	0
WA YAKIMA	55	31	68	22	43	5	0.03	-0.14	0.03	0.00	0	0.13	6	79	54	0	4	1	0
WV BECKLEY	37	26	45	20	32	-5	0.39	-0.39	0.18	0.02	9	6.33	99	86	64	0	7	4	0
WV CHARLESTON	43	30	53	21	36	-4	0.54	-0.31	0.29	0.01	4	5.97	89	88	54	0	4	4	0
WV ELKINS	38	24	48	16	31	-3	0.38	-0.46	0.17	0.02	8	6.56	95	89	55	0	7	5	0
WV HUNTINGTON	43	31	53	24	37	-3	0.82	-0.01	0.66	0.04	17	5.72	87	86	57	0	4	5	1
WI EAU CLAIRE	33	18	37	2	26	3	0.00	-0.20	0.00	0.00	0	2.19	115	85	57	0	7	0	0
WI GREEN BAY	32	17	36	7	24	0	0.15	-0.11	0.11	0.00	0	4.11	179	86	66	0	7	1	0
WI LA CROSSE	34	16	41	1	25	-2	0.03	-0.19	0.03	0.00	0	2.28	101	88	54	0	7	1	0
WI MADISON	33	17	39	4	25	-2	0.43	0.12	0.25	0.01	11	5.32	203	88	70	0	7	3	0
WI MILWAUKEE	33	24	39	18	29	0	1.00	0.61	0.57	0.00	0	6.24	173	87	74	0	7	3	1
WY CASPER	33	14	48	7	24	-6	0.09	-0.08	0.09	0.00	0	0.78	61	75	60	0	7	1	0
WY CHEYENNE	35	16	53	0	26	-5	0.16	0.02	0.08	0.00	0	0.72	77	71	52	0	6	3	0
WY LANDER	38	14	51	4	26	-3	0.14	-0.02	0.14	0.00	0	1.98	178	76	39	0	7	1	0
WY SHERIDAN	41	15	55	2	28	-2	0.00	-0.14	0.00	0.00	0	1.76	128	76	56	0	7	0	0

Based on 1971-2000 normals

*** Not Available

National Agricultural Summary

February 25 – March 3, 2013

Weekly National Agricultural Summary provided by USDA/NASS

Below-normal temperatures were recorded throughout much of the United States during the week. Most notably, weekly temperatures in portions of the central Great Plains and Rocky Mountains, as well as the Delta, were more than 9°F below normal. Much of the West was unfavorably dry, but beneficial moisture was received in most regions east of the Mississippi Valley. Storm systems dumped precipitation totaling more than 4 inches in portions of the eastern Gulf Coast States and Georgia.

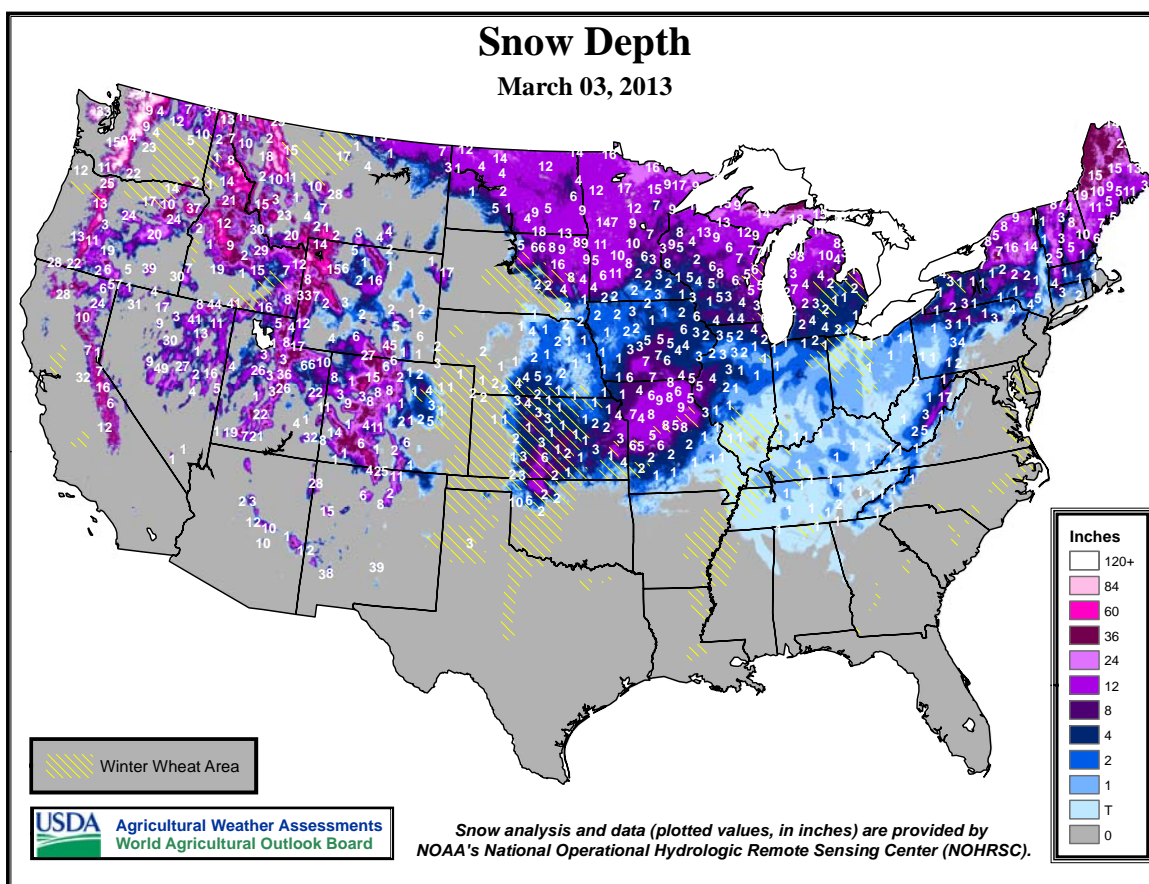
Producers in northern Florida were busy assessing crops for damage following a second week of freezing temperatures and heavy rainfall. Much of the state received minimal to no moisture, but portions of the panhandle accumulated more than 5 inches during the week. Winter wheat benefited from the recent moisture. Rice fields in southern Florida were readied for planting. Sweet corn and watermelon planting, as well as cabbage harvesting, were delayed due to wet fields. Moderate to heavy bloom was observed across the state's citrus region. Valencia harvest was underway.

Although precipitation in the Texas panhandle boosted topsoil moisture levels, subsoil moisture remained well below normal throughout much of the state. Across the remainder of Texas, rainfall totaled less than 0.5 inch, allowing high winds to quickly deplete topsoil moisture. Winter wheat in the panhandle and Blacklands benefited from precipitation, but dryland small grain crops were developing poorly due to a

severe lack of rainfall. Corn and sorghum were planted in the Blacklands and North East Texas regions, while planting in the Lower Valley slowed as producers waited for additional moisture. High winds damaged a portion of the potato crop in South Texas. Bud and shoot development was evident on fruit trees from the Edwards Plateau to East Texas.

Below-average temperatures and dry conditions blanketed Arizona during the week. With over 70 percent of the crop reported in good to excellent condition, producers harvested hay from approximately three-quarters of the state's alfalfa fields. Recently sown barley and Durum wheat were reported in mostly fair to excellent condition. Cooler weather helped to slow the loss of moisture in pastures across the state; however, additional moisture was needed to aid forage growth. Fruit and vegetable growers in central and western portions of Arizona continued to harvest and ship a variety of crops.

In California, mild, dry weather aided small grain crop development during the week; however, dryland fields needed additional moisture to sustain growth. Blooming gained speed on many early variety nectarine, peach, plum, and pluot trees. Producers continued to harvest a variety of citrus crops. Fungicides sprays were made in some nut orchards ahead of forecasted rainfall. Winter vegetables were harvested for farmers' markets, while fields were being prepared for spring and summer crops. In Fresno County, some onion fields were treated for Downy mildew.



International Weather and Crop Summary

February 24 - March 2, 2013

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

EUROPE: Cold, generally dry weather in western Europe contrasted with mild, rainy conditions farther east.

FSU-WESTERN: Unseasonably mild weather kept southern growing areas free of snow cover and encouraged early spring grain planting and winter wheat green up.

MIDDLE EAST: Mild, wet weather continued to benefit winter wheat and barley.

NORTHWEST AFRICA: Showers maintained abundant soil moisture for winter grains.

SOUTHEAST ASIA: Drier conditions in western Java, Indonesia, benefited rice harvesting.

AUSTRALIA: Soaking rains disrupted fieldwork and slowed maturation of the earliest planted summer crops.

SOUTH AFRICA: Scattered showers brought some relief from dryness to major eastern production areas.

ARGENTINA: Widespread, locally heavy rain improved prospects of later-planted corn and soybeans.

BRAZIL: Showers brought some relief to previously dry cotton and soybean areas of the northeast.

February 2013

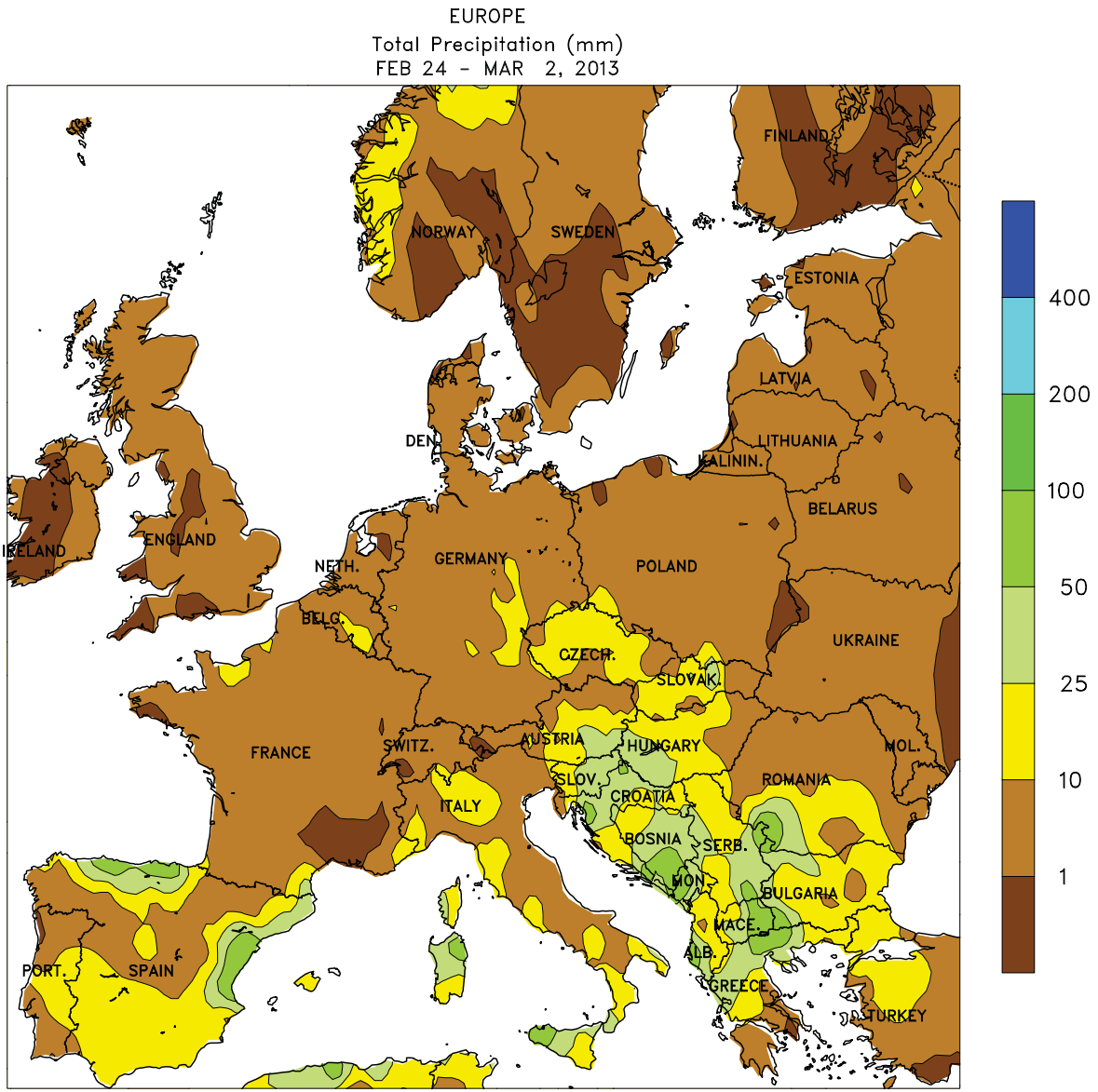
COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DEP NRM	TOT	DEP NRM
ALGERI	ALGER	16	6	23	-1	11	-0.6	102	36
	BATNA	12	0	22	-6	6	-0.5	24	1
ARGENT	IGUAZU	31	20	36	16	26	0.5	239	37
	FORMOSA	34	21	40	16	28	0.8	53	-76
	CERES	30	19	42	13	25	0.3	179	43
	CORDOBA	28	16	36	10	22	-0.2	196	68
	RIO CUARTO	28	17	34	10	22	0.4	60	-43
	ROSARIO	29	18	37	10	23	0.2	98	-27
	BUENOS AIRES	29	18	36	8	23	1	85	-14
	SANTA ROSA	32	15	38	6	23	1.1	25	-54
	TRES ARROYOS	29	19	35	12	24	3.7	46	-35
AUSTRA	DARWIN	32	27	34	22	29	1.2	498	160
	BRISBANE	27	23	30	19	25	-0.2	354	183
	PERTH	35	19	41	10	27	1.7	1	-17
	CEDUNA	27	17	40	10	22	0.1	2	-9
	ADELAIDE	28	17	38	12	23	0.3	11	-29
	MELBOURNE	28	16	37	11	22	2	35	-9
	WAGGA	32	18	39	11	25	1.6	31	-9
	CANBERRA	27	14	35	6	21	0.6	45	-11
AUSTRI	VIENNA	3	-1	11	-9	1	0.1	59	26
	INNSBRUCK	3	-4	11	-12	-1	-1.5	44	1
BAHAMA	NASSAU	27	20	31	15	24	2	21	-21
BARBAD	BRIDGETOWN	29	24	30	21	27	1	25	-16
BELARU	MINSK	0	-4	6	-8	-2	2.8	51	17
BERMUD	ST GEORGES	19	16	23	12	18	-0.8	154	43
BOLIVI	LA PAZ	14	4	18	1	9	0.3	135	33
BRAZIL	FORTALEZA	31	26	32	24	28	0.4	52	-161
	RECIFE	30	26	32	23	28	-1.2	10	-91
	CAMPO GRANDE	30	22	34	20	26	0.5	98	-69
	FRANCA	28	19	31	17	24	0.7	285	57
	RIO DE JANEIRO	33	25	37	21	29	1	119	-6
	LONDRINA	30	20	34	17	25	1	249	65
	SANTA MARIA	30	19	39	10	25	-0.3	98	-33
	TORRES	28	21	31	16	25	-1.9	292	139
BULGAR	SOFIA	6	0	17	-4	3	1.6	51	18
BURKIN	OUGADOUGOU	37	20	42	14	29	0.7	0	-1
CANADA	TORONTO	-1	-8	7	-18	-5	0.8	92	51
	MONTREAL	-4	-10	4	-21	-7	1.4	62	3
	WINNIPEG	-9	-19	-1	-34	-14	-0.5	9	-5
	REGINA	-5	-15	0	-28	-10	1.5	0	-12
	SASKATOON	-6	-16	1	-25	-11	2	0	-10
	LETHBRIDGE	3	-9	12	-40	-3	1.2	11	-2
	CALGARY	4	-6	11	-13	-1	4.7	7	-1
	EDMONTON	1	-9	9	-15	-4	4	10	-4
	VANCOUVER	8	3	10	-1	5	0.6	74	-47
CANARY	LAS PALMAS	21	16	24	14	19	0.6	8	-12
CHILE	SANTIAGO	30	14	35	9	22	2.7	0	-5
CHINA	HARBIN	-11	-23	-2	-32	-17	-4.4	9	5
	HAMI	3	-11	10	-18	-4	-0.1	4	3
	BEIJING	4	-6	16	-13	-1	-1	4	-1
	TIENTSIN	4	-5	13	-13	-1	-0.6	6	2
	LHASA	11	-4	16	-9	3	1.7	0	-1
	KUNMING	23	8	26	2	15	5.2	1	-16
	CHENGCHOW	8	0	16	-5	4	0.6	8	-4
	YEHCHANG	10	4	18	-1	7	0.3	22	-9
	HANKOW	10	3	17	-3	6	-0.4	39	-20
	CHUNGKING	15	10	22	6	13	2.5	29	9
	CHIHKIANG	10	6	22	-1	8	1.2	40	-10
	WU HU	10	4	21	-3	7	2.1	90	29
	SHANGHAI	10	5	18	-2	7	0.9	67	6
	NANCHANG	11	7	19	-2	9	1.3	115	14
	TAIPEI	22	17	28	14	19	2.9	35	-168
	CANTON	22	15	28	7	18	3.8	10	-59
	NANNING	20	13	28	7	17	2.5	29	-14
COLOMB	BOGOTA	19	9	21	6	14	1	191	152
COTE D	ABIDJAN	33	26	36	22	29	1.7	2	-39
CUBA	HAVANA	28	17	31	5	23	0.8	9	-32
CYPRUS	LARNACA	19	9	23	5	14	2.2	35	-9
CZECHR	PRAGUE	1	-3	7	-8	-1	-0.5	30	11
DENMAR	COPENHAGEN	2	-2	7	-8	0	-0.8	16	-8

Based on Preliminary Reports

February 2013

COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)			COUNTRY	CITY	TEMPERATURE (C)					PRECIP. (MM)		
		AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM			AVG MAX	AVG MIN	HI MAX	LO MIN	DEP AVG	NRM	TOT	DEP NRM
EGYPT	CAIRO	21	12	28	8	17	1.5	1	-2			25	8	28	5	17	2.3	0	-5
	ASWAN	28	13	37	9	20	2.6	0	0	MOROCCO	ORIZABA	24	15	32	10	19	3.3	51	18
ESTONI	TALLINN	0	-4	4	-15	-2	2.0	38	2		CASABLANCA	17	10	20	6	13	-0.3	16	-25
ETHIOP	ADDIS ABABA	25	11	28	7	18	1.4	0	-37		MARRAKECH	23	6	28	3	15	0.6	14	-18
F GUIA	CAYENNE	29	24	31	22	26	0.7	625	306	MOZAMB	MAPUTO	30	22	34	20	26	-0.1	64	-51
FIJI	NAUSORI	31	23	32	22	27	0.5	692	431	N KORE	PYONGYANG	0	-7	9	-16	-4	-1.1	25	11
FINLAN	HELSINKI	-1	-5	5	-11	-3	3.0	24	-10	NEW CA	NOUMEA	28	25	32	21	26	0.4	32	-92
FRANCE	PARIS/ORLY	5	0	12	-5	3	-1.7	47	6	NIGER	NIAMEY	37	20	43	15	28	1.2	0	-1
	STRASBOURG	4	-1	9	-9	1	-1.3	42	10	NORWAY	OSLO	-3	-8	9	-17	-5	0.3	19	-26
	BOURGES	6	0	12	-4	3	-1.6	62	6	NZEALA	AUCKLAND	25	16	28	11	20	*****	25	*****
	BORDEAUX	10	3	15	-3	6	-0.9	79	5		WELLINGTON	21	15	25	11	18	*****	54	*****
	TOULOUSE	9	2	17	-6	6	-1.4	62	15	P RICO	SAN JUAN	29	22	32	21	26	0.7	61	2
	MARSEILLE	10	1	15	-4	6	-2.3	8	-34	PAKIST	KARACHI	28	15	32	11	22	1.1	28	18
GABON	LIBREVILLE	31	25	33	23	28	0.9	241	-31	PERU	LIMA	28	21	31	19	24	1.1	6	6
GERMAN	HAMBURG	2	-1	8	-6	1	-1.0	38	-5	PHILIP	MANILA	31	25	33	23	28	0.6	70	57
	BERLIN	2	-1	8	-6	1	-0.7	31	-2	PNEWGU	PORT MORESBY	31	26	34	24	29	2.0	146	-52
	DUSSELDORF	4	-1	10	-5	2	-1.8	40	-11	POLAND	WARSAW	1	-2	6	-9	-1	0.5	30	9
	LEIPZIG	2	-2	8	-7	0	-0.3	31	1		LODZ	1	-2	6	-9	-1	0.1	24	-6
	DRESDEN	1	-2	7	-7	-1	-0.7	43	7		KATOWICE	1	-1	7	-6	0	0.3	40	5
	STUTTGART	2	-3	8	-11	-1	-1.8	56	20	PORTUG	LISBON	15	9	18	5	12	-0.6	50	-34
	NURNBERG	2	-2	7	-10	0	-1.2	41	7	ROMANI	BUCHAREST	6	0	16	-5	3	2.2	45	15
	AUGSBURG	1	-4	7	-14	-2	-1.9	52	14	RUSSIA	ST.PETERSBURG	-1	-4	2	-17	-3	3.3	32	2
GREECE	THESSALONIKA	12	5	20	0	9	1.9	79	39		KAZAN	-5	-9	1	-16	-7	3.5	13	-18
	LARISSA	13	4	22	-1	9	1.9	63	25		MOSCOW	-1	-6	4	-15	-4	3.1	37	1
	ATHENS	***	9	20	3	***	*****	120	85		YEKATERINBURG	-4	-11	4	-22	-7	4.3	10	-9
GUADEL	RAIZET	29	21	30	17	25	0.7	38	-29		OMSK	-9	-16	-3	-26	-13	3.0	11	-5
HONGKO	HONG KONG INT	23	18	28	11	20	3.5	1	-42		BARNAUL	-10	-18	-3	-30	-14	0.1	19	-2
HUNGAR	BUDAPEST	5	0	12	-5	3	1.2	80	55		KHABAROVSK	-13	-23	1	-29	-18	-2.2	7	-4
ICELAN	REYKJAVIK	***	***	9	2	***	*****	*****	*****		VLADIVOSTOK	-8	-14	1	-19	-11	-1.6	26	10
INDIA	AMRITSAR	20	8	23	4	14	0.2	96	62		VOLGOGRAD	-1	-6	4	-14	-3	3.5	13	-10
	NEW DELHI	23	11	28	7	17	0.4	108	87		ASTRAKHAN	4	-3	8	-14	0	4.8	3	-5
	AHMEDABAD	31	16	35	10	23	0.9	1	*****		ORENBURG	-7	-15	0	-25	-11	1.5	9	-11
	INDORE	28	14	32	8	21	0.5	15	12	S AFRI	PRETORIA	33	18	38	15	26	3.3	25	-77
	CALCUTTA	29	16	33	13	23	0.0	11	-14		JOHANNESBURG	27	15	31	11	21	2.2	40	-69
	VERAVAL	29	18	33	12	24	1.0	0	-1		DURBAN	29	21	33	18	25	1.2	52	-80
	BOMBAY	32	18	35	13	25	0.0	0	*****		CAPE TOWN	26	17	32	14	22	1.2	38	24
	POONA	33	14	35	9	23	1.5	0	-2	S KORE	SEOUL	3	-4	14	-16	-1	-1.1	74	48
	BEGAMPET	32	19	35	14	26	0.4	17	8	SAMOA	PAGO PAGO	31	26	33	24	28	0.5	267	-42
	VISHAKHAPATNAM	30	21	32	18	25	-0.8	2	-11	SENEGA	DAKAR	27	19	37	16	23	2.4	0	0
	MADRAS	32	22	34	20	27	0.3	21	6	SPAIN	VALLADOLID	10	1	15	-3	5	-1.1	26	-7
	MANGALORE	34	23	38	20	28	0.5	50	47		MADRID	11	2	16	-2	7	-0.7	9	-15
INDONE	SERANG	32	24	33	22	28	0.6	208	-15		SEVILLE	16	6	22	2	11	-1.4	97	56
IRELAN	DUBLIN	7	2	13	-3	5	-1.1	47	-4	SWITZE	ZURICH	1	-3	8	-10	-1	-2.3	60	-8
ITALY	MILAN	***	***	12	-4	***	*****	*****	*****		GENEVA	3	-2	9	-9	1	-2.0	59	-13
	VERONA	8	1	12	-4	4	-0.1	52	10	SYRIA	DAMASCUS	18	5	26	0	11	3.7	5	-19
	VENICE	7	2	13	-3	4	-0.6	16	-29	TAHITI	PAPEETE	30	25	32	24	28	0.4	180	-36
	GENOA	***	***	13	1	***	*****	*****	*****	TANZAN	DAR ES SALAAM	33	26	35	24	30	1.8	2	-56
	ROME	11	4	14	-1	7	-1.6	10	-56	THAILA	PHITSANULOK	34	23	37	20	29	1.1	0	-10
	NAPLES	11	6	15	2	9	-0.6	58	-28		BANGKOK	35	26	37	24	31	2.2	7	-11
JAMAIC	KINGSTON	31	23	34	22	27	1.2	4	-19	TOGO	LOME	33	26	34	23	30	1.9	0	-32
JAPAN	SAPPORO	-1	-7	8	-11	-4	-0.6	120	24	TRINID	PORT OF SPAIN	31	23	33	20	27	1.3	6	-31
	NAGOYA	9	1	16	-3	5	0.3	72	5	TUNISI	TUNIS	16	8	22	4	12	-0.4	69	11
	TOKYO	10	3	21	-1	7	0.4	31	-30	TURKEY	ISTANBUL	12	6	19	2	9	3.1	51	-8
	YOKOHAMA	10	3	20	0	6	-0.2	59	-10		ANKARA	10	-1	16	-5	5	4.5	30	-2
	KYOTO	9	2	20	-2	5	-0.2	100	18	TURKME	ASHKhabAD	13	4	22	-1	8	3.7	38	9
	OSAKA	9	3	17	-1	6	-0.1	96	36	UKINGD	ABERDEEN	6	1	11	-5	3	-0.3	46	-7
KAZAKH	KUSTANAY	-7	-17	-4	-26	-12	2.7	22	9		LONDON	6	2	12	-2	4	-1.3	38	1
	TSELINOGRAD	-9	-17	-1	-24	-13	1.5	17	4	UKRAIN	KIEV	2	-2	7	-7	0	2.9	78	39
	KARAGANDA	-8	-16	-3	-24	-12	0.9	15	-4		LVOV	1	-3	6	-12	-1	1.3	50	8
KENYA	NAIROBI	28	13	31	10	21	0.5	1	-46		KIROVOGRAD	3	-2	9	-6	1	4.0	34	8
LIBYA	TRIPOLI	19	7	27	3	13	0.1	22	-13		ODESSA	5	1	11	-3	3	3.1	34	-1
	BENGHAZI	18	10	23	4	14	0.6	35	-10		YALTA	***	***	9	2	***	*****	*****	*****
LITHUA	KAUNAS	1	-2	4	-9	-1	2.0	42	11		KHARKOV	1	-3	5	-10	-1	3.4	18	-16
LUXEMB	LUXEMBOURG	2	-2	8	-7	0	-1.8	30	-37	UZBEKI	TASHKENT	10	2	19	-2	6	3.3	45	-10
MALAYS	KUALA LUMPUR	32	24	35	22	28	1.1	335	158	VENEZU	CARACAS	28	23	31	21	25	0.4	0	-12
MALI	BAMAKO	***	***	38	17	***	*****	*****	*****	YUGOSL	BELGRADE	7	2	15	-4	5	1.4	52	14
MARSHA	MAJURO	***	***	31	26	***	*****	263	84	ZIMBAB	KADOMA	28	16	30	13	22	-1.2	194	31
MARTIN	LAMENTIN	29	23	30	18	26	1.3	66	-84										
MAURIT	NOUAKCHOTT	33	19	37	15	26	3.1	0	-3										
MEXICO	GUADALAJARA	27	10	31	8	19	2.2	0	-7										

Based on Preliminary Reports



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

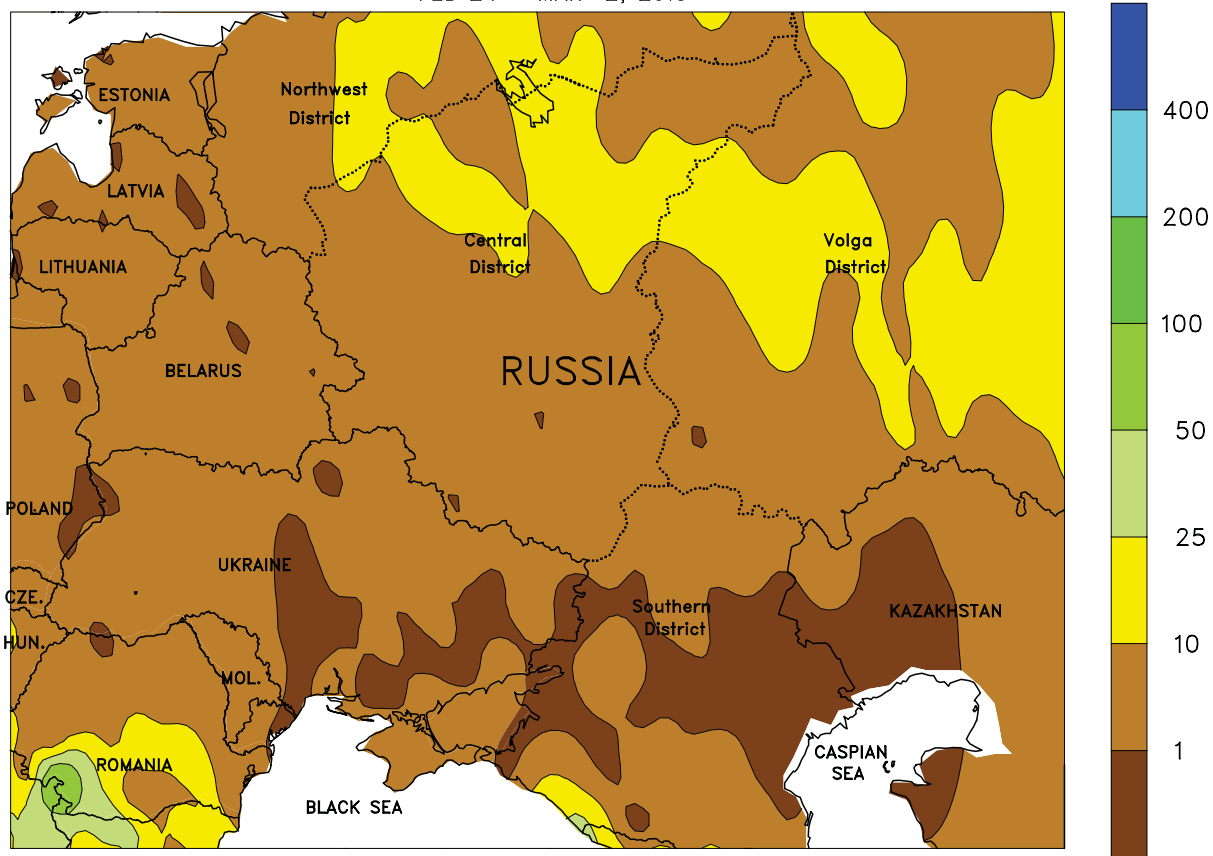


EUROPE

A large, nearly stationary area of high pressure brought cold, mostly dry weather to central and northern Europe. A weakening storm system drifted south across western Europe, with lingering snow and freezing rain changing to rain. Precipitation totals were generally light (mostly less than 5 mm), with somewhat higher amounts (5-20 mm) in southern Germany and north-central France. In the storm's wake, a broad area of high pressure brought dry, cold conditions (2-6°C below normal) to western Europe, keeping winter grains and oilseeds dormant in England,

France, and Germany. However, freezes may have caused some burnback to vegetative winter wheat and barley in Spain, although the cold was not intense enough to cause widespread freeze damage. Meanwhile, a Mediterranean storm was accompanied by widespread rain (10-50 mm) and above-normal temperatures (daytime highs reaching 10-15°C) in the Balkans, promoting early greening of winter grains. Showers (5-15 mm) were also reported in Italy, where winter wheat prospects remained favorable due to abundant winter precipitation.

WESTERN FSU
Total Precipitation (mm)
FEB 24 - MAR 2, 2013



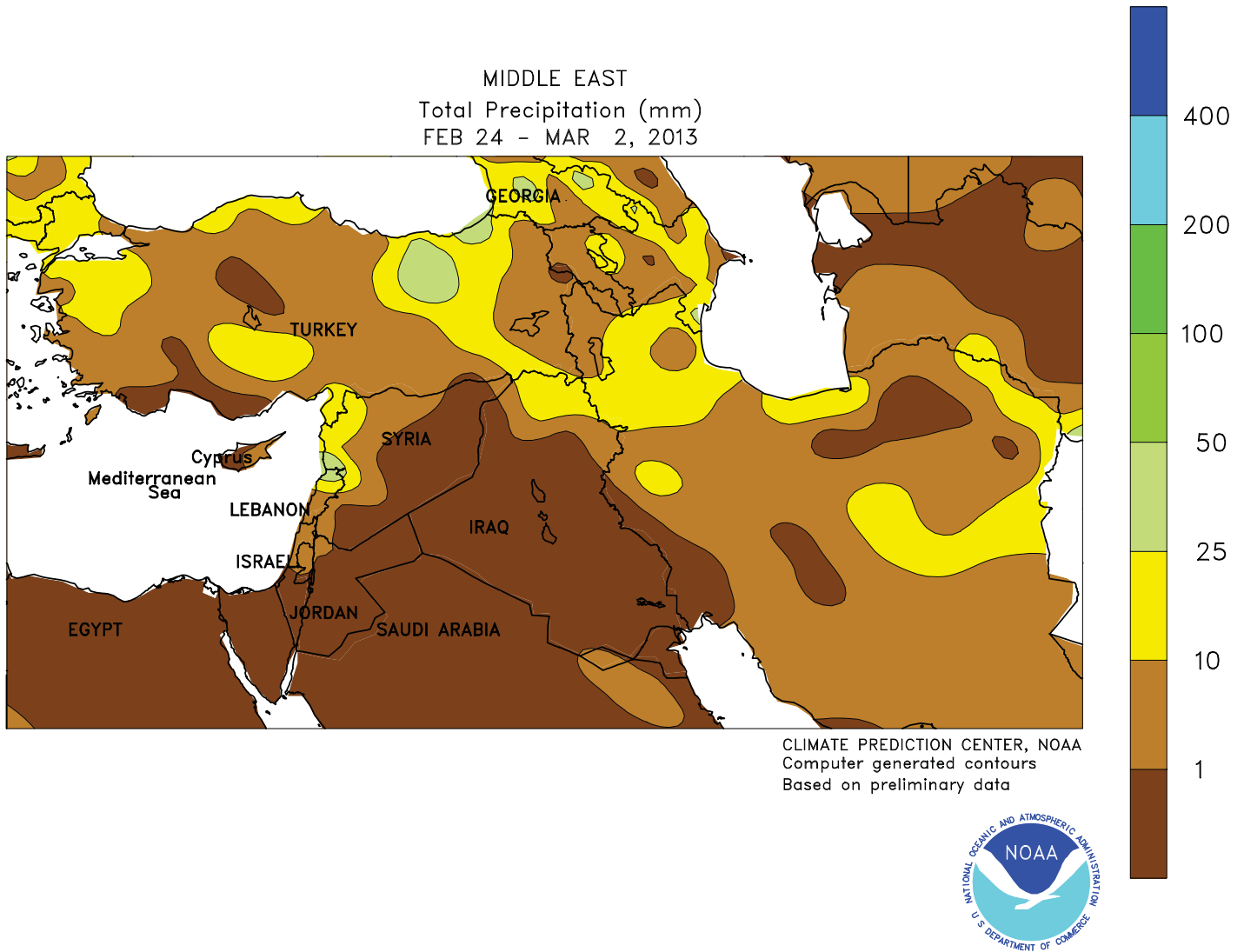
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



WESTERN FSU

Mostly dry, mild weather prevailed, promoting early season fieldwork in southern crop districts. An area of high pressure across the southern half of the region maintained warmer-than-normal weather (3-5°C above normal) in Ukraine and Russia's Southern District, encouraging additional greening of winter grains while encouraging producers to sow spring grains

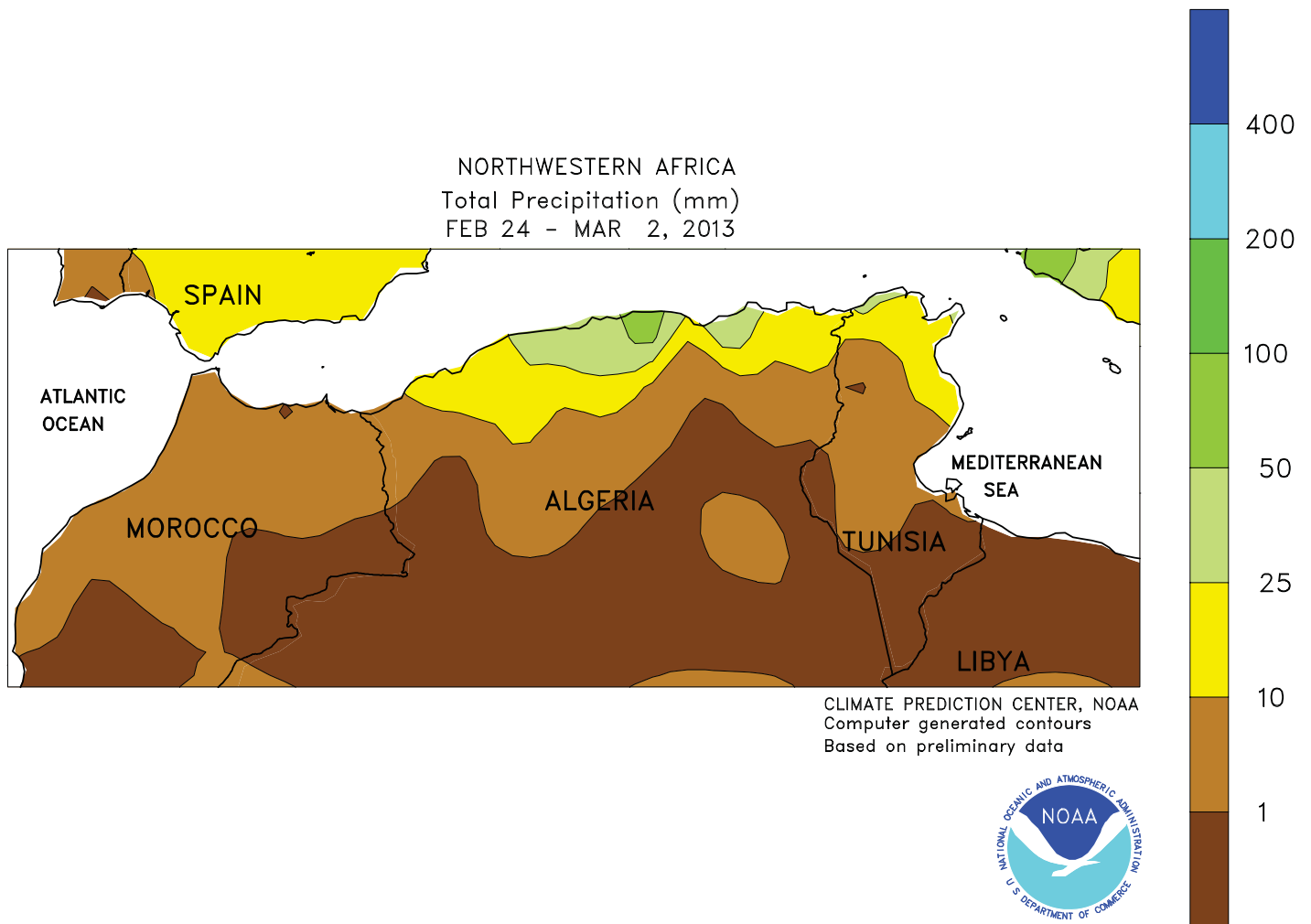
several weeks earlier than normal. Mild weather expanded north, with temperatures up to 5°C above normal in the Volga District causing some snow melt. At week's end, snow depths averaged 10 to 30 cm from Belarus and northern Ukraine into Russia's Volga District, while primary southern winter wheat areas remained snow free.



MIDDLE EAST

A Mediterranean storm maintained wet, mild weather in the region. Rain and high elevation snow totaled 5 to 25 mm (liquid equivalent) from Turkey into northern portions of Iraq and Iran. Temperatures for the week averaged up to 5°C above normal, which coupled with the favorable moisture

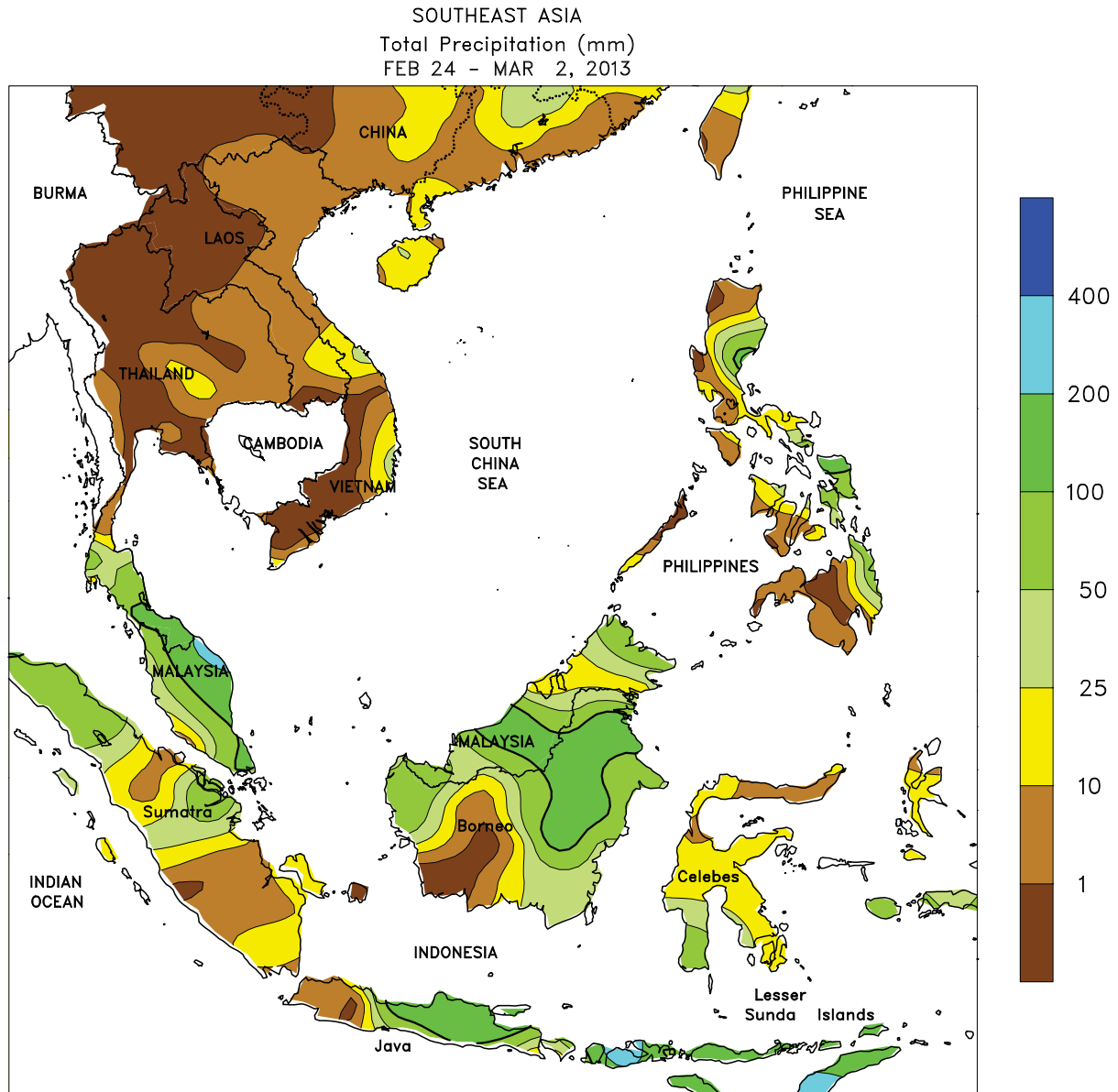
encouraged additional greening of winter grains in the north and promoted winter wheat and barley growth in the south. Conditions so far in the 2012-13 growing season have been excellent, with minimal winterkill and abundant precipitation, even in the typically drier southern irrigated farming areas.



NORTHWEST AFRICA

The favorable growing season continued, as additional rain benefited vegetative winter grains. A slow-moving storm system generated widespread showers (5-50 mm) from northern Morocco into Algeria and Tunisia, maintaining excellent prospects for wheat and barley. However, rain

bypassed southwestern Morocco, limiting soil moisture for winter crops in this relatively small production area. Temperatures averaged up to 4°C below normal, with nighttime freezes raising the possibility of some burnback to vegetative winter crops in Algeria.



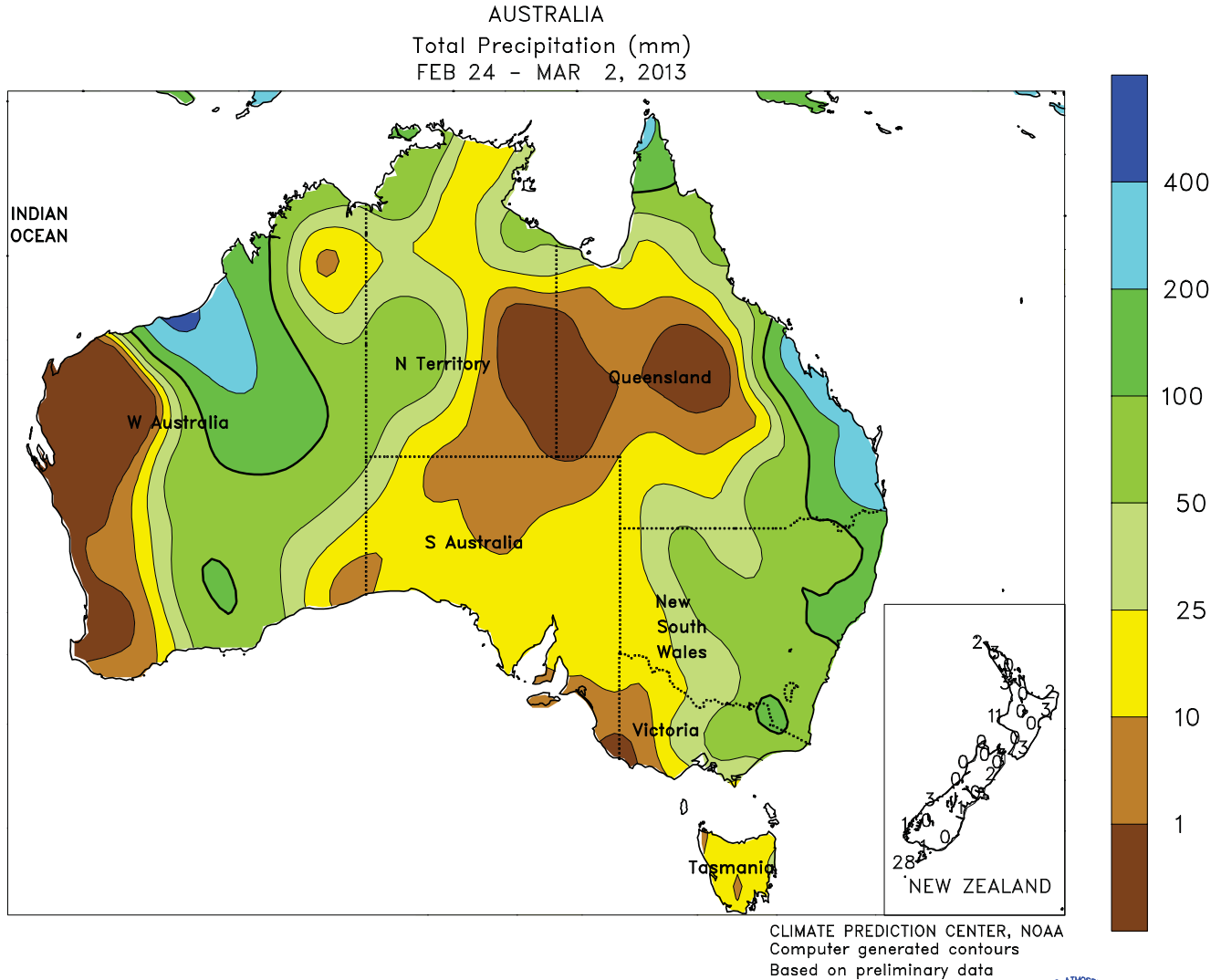
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



SOUTHEAST ASIA

Beneficially drier weather prevailed across western portions of Java, Indonesia, as rice harvesting was underway. Heavy showers (100-200 mm), however, continued in central and eastern Java, slowing rice maturation and harvesting. A similar pattern existed for oil palm, with southern Sumatra and western Kalimantan experiencing drier weather, while

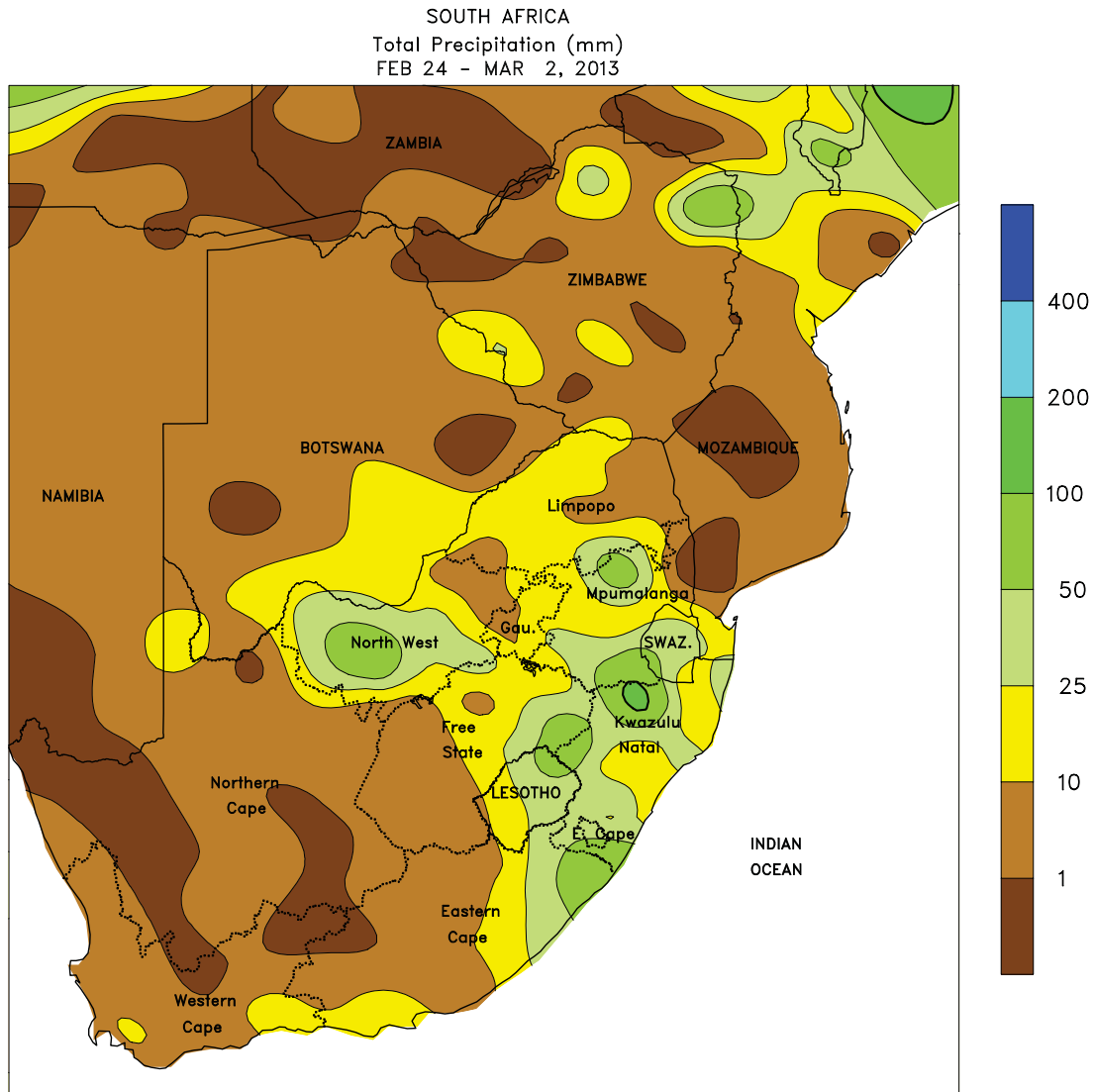
much of Malaysia and eastern Kalimantan continued to receive heavy rainfall (100-200 mm). Meanwhile, more seasonable rainfall (50-150 mm) returned to the Philippines after last week's deluge. In Vietnam, winter-spring rice harvesting was underway in the south, benefited by warm, dry weather.



AUSTRALIA

Widespread, soaking rains (50-100 mm or more) in southern Queensland and northern New South Wales disrupted fieldwork and slowed maturation of the earliest planted summer crops. However, the wet weather benefited crops that were planted later in the growing season, maintaining

yield prospects for immature cotton and sorghum. The weather in major summer crop producing areas was relatively cool; temperatures averaged 1 to 2°C below normal, with maximum temperatures generally in the middle 20s to lower 30s degrees C.



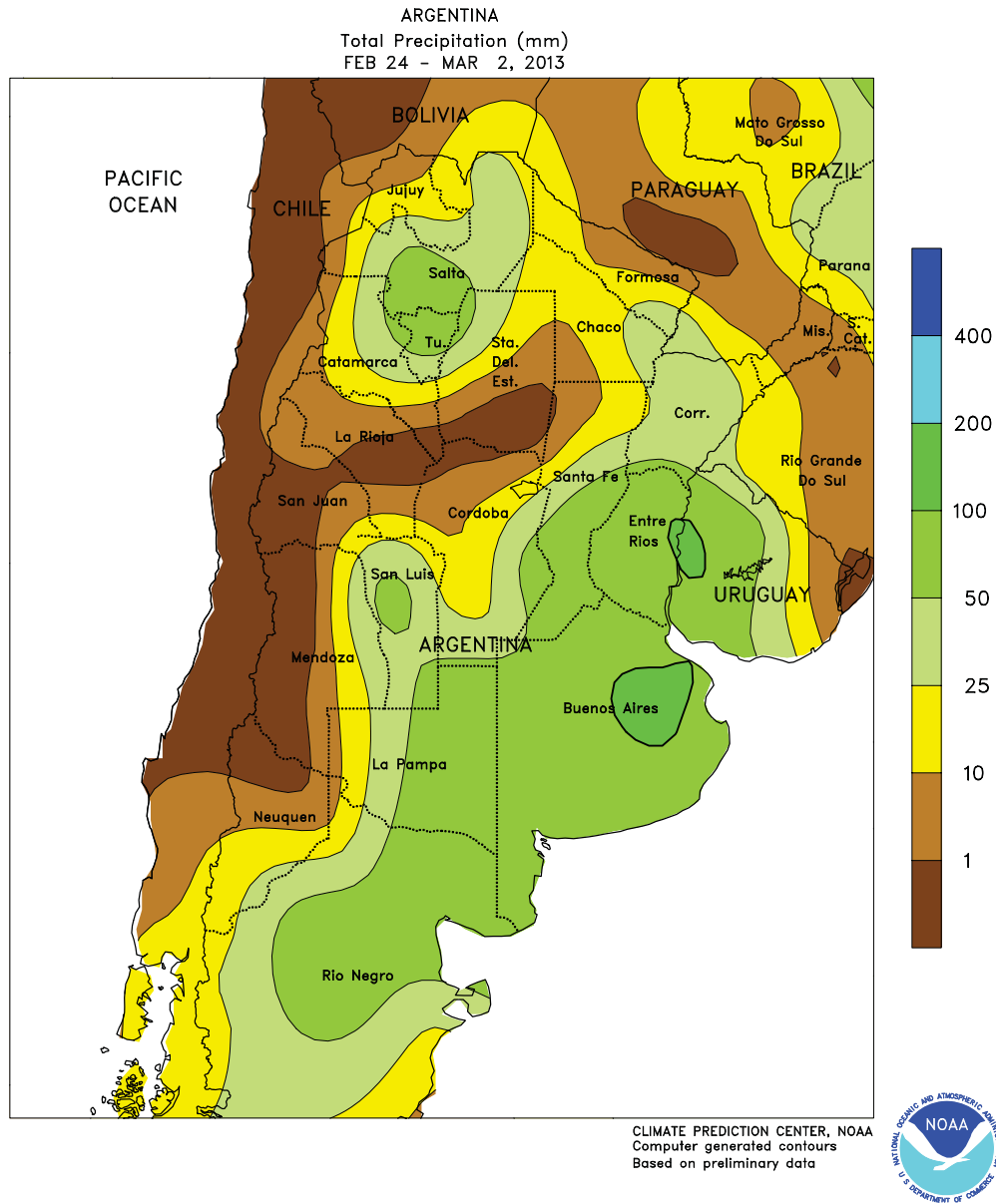
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Computer generated contours
Based on preliminary data



SOUTH AFRICA

Scattered showers brought some relief from several weeks of unseasonable warmth and dryness. Rainfall totaled 10 to 25 mm across most of the corn belt, though a few locations recorded more than 25 mm. These included white corn areas of North West, where daytime highs in the upper 30s (degrees C) stressed reproductive to filling corn prior to the onset of the rain, as well as outlying production areas of Mpumalanga and KwaZulu-Natal. In general, weekly temperatures averaged 1 to 3°C above normal, with daytime highs reaching the lower

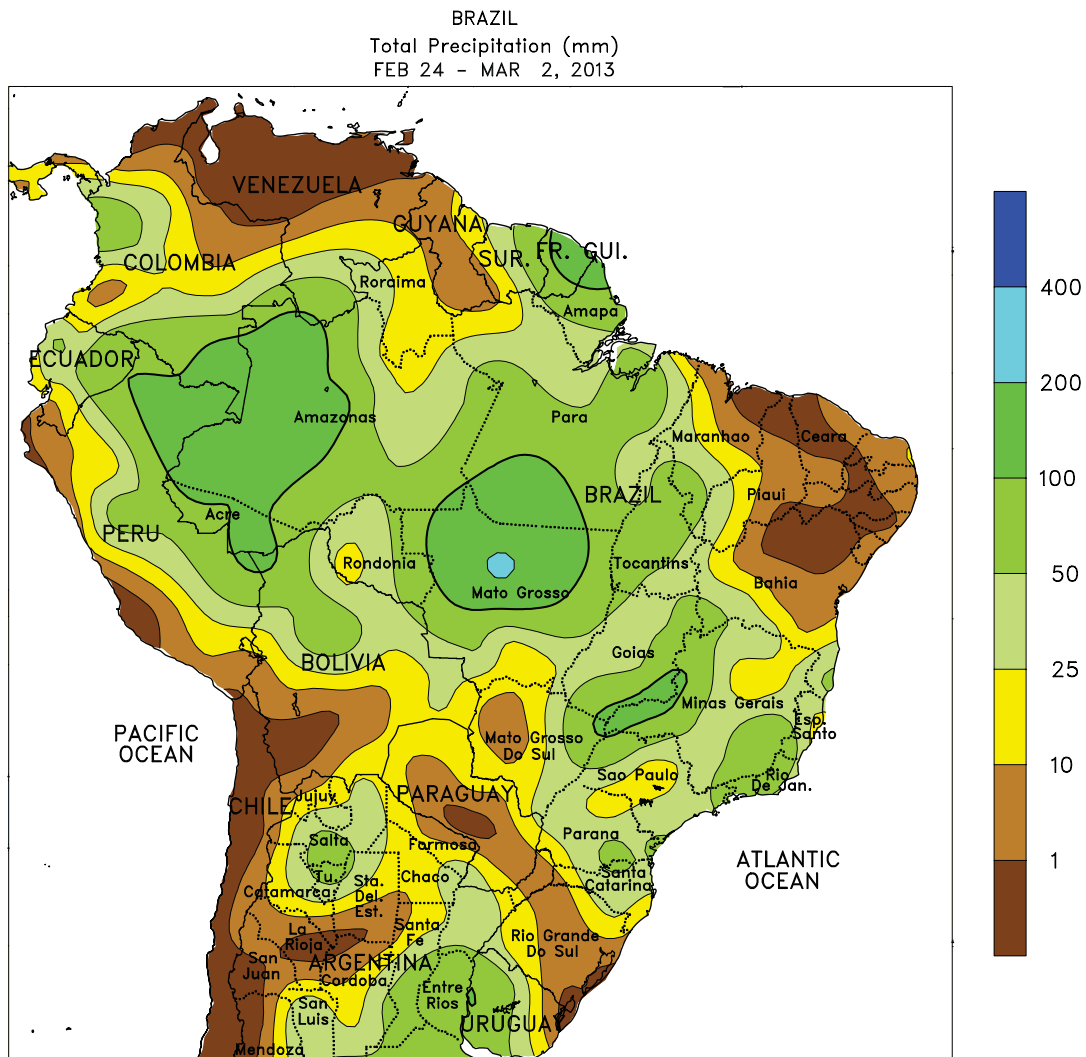
30s even in the traditionally milder eastern sections of the corn belt (in and around southern Mpumalanga). Elsewhere, moderate to heavy rain (15-50 mm) boosted moisture for rain-fed sugarcane in KwaZulu-Natal and nearby locations in Eastern Cape. Warm, mostly dry weather dominated the remainder of the Cape Provinces, aiding rapid development of irrigated summer row crops. Light showers (less than 5 mm) likely had little impact on harvesting of tree and vine crops in Western Cape.



ARGENTINA

Widespread, locally heavy rain improved prospects of later-planted corn and soybeans in key farming areas of central Argentina. Following several weeks of scattered showers that missed some production areas, multiple frontal passages produced rainfall in excess of 50 mm throughout La Pampa, Buenos Aires, Entre Rios, and southern sections of Cordoba and Santa Fe. Weekly average temperatures were 2 to 3°C below normal in the affected area, although daytime highs still reached the upper 20s and lower 30s (degrees C) on several days between the rain events. Nighttime lows fell below 5°C

in some of the traditionally cooler locations of southern Buenos Aires, but no damage from frost was expected. Some of the rainfall reached northern Argentina, but amounts were generally lower than those recorded last week. In fact, little to no rain fell over a broad area stretching from northern Cordoba to western Formosa, including key cotton producing areas of Chaco, northern Santa Fe, and Santiago del Estero, which recorded abundant rainfall last week. Weekly temperatures averaged up to 2°C above normal in some of these drier areas, with daytime highs approaching 40°C.



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

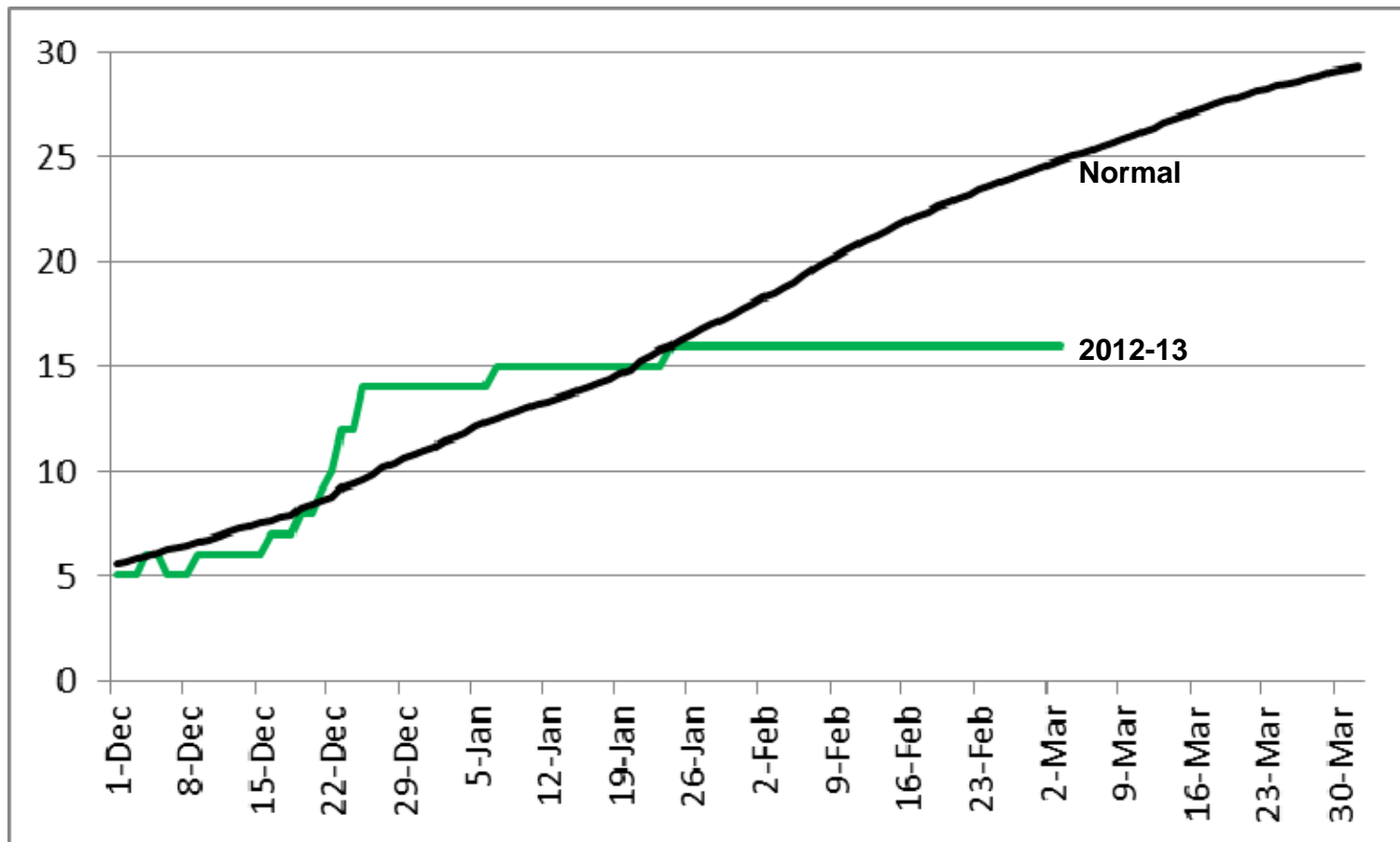


BRAZIL

Beneficial rain covered most major summer grain, oilseed, and cotton areas. Rainfall was highly variable in the south, with most areas recording at least 25 mm; exceptions included Rio Grande do Sul and parts of Parana and Sao Paulo that received heavy rain last week. Weekly temperatures averaged within 1°C of normal, with daytime highs mostly in the lower 30s (degrees C) maintaining seasonable levels of crop growth and evapotranspiration. Elsewhere, heavy rain (50-150 mm) ended a dry spell from northeastern Mato Grosso do Sul to western Bahia, providing timely moisture for the region’s main-season

corn, soybeans, and cotton. Heavy rain (greater than 100 mm) covered a large section of Mato Grosso, slowing soybean harvesting but boosting moisture reserves for planting second-season (safrinha) corn. Weekly average temperatures were 1 to 3°C above normal in central and northeastern Brazil, with daytime highs reaching the middle and upper 30s. Some of the highest temperatures were recorded in far northeastern Brazil, where the dryness aided harvesting of sugarcane and cocoa but further taxed irrigation reserves depleted by an extended period of unseasonable warmth and dryness.

Sierra Nevada Snow Pack (Liquid Equivalent in Inches) 2012-13 vs. Normal



Following a promising start to the 2012-13 wet season, mostly dry weather dominated California's key watershed areas in January-February 2013. As a result, the water equivalency of the Sierra Nevada snow pack increased only 2 inches (from 14 to 16 inches) between late December and early March. Compared to typical values, the water equivalency fell from about 150 percent of normal in late December to less than two-thirds of normal by early March. Source: California Department of Water Resources.

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