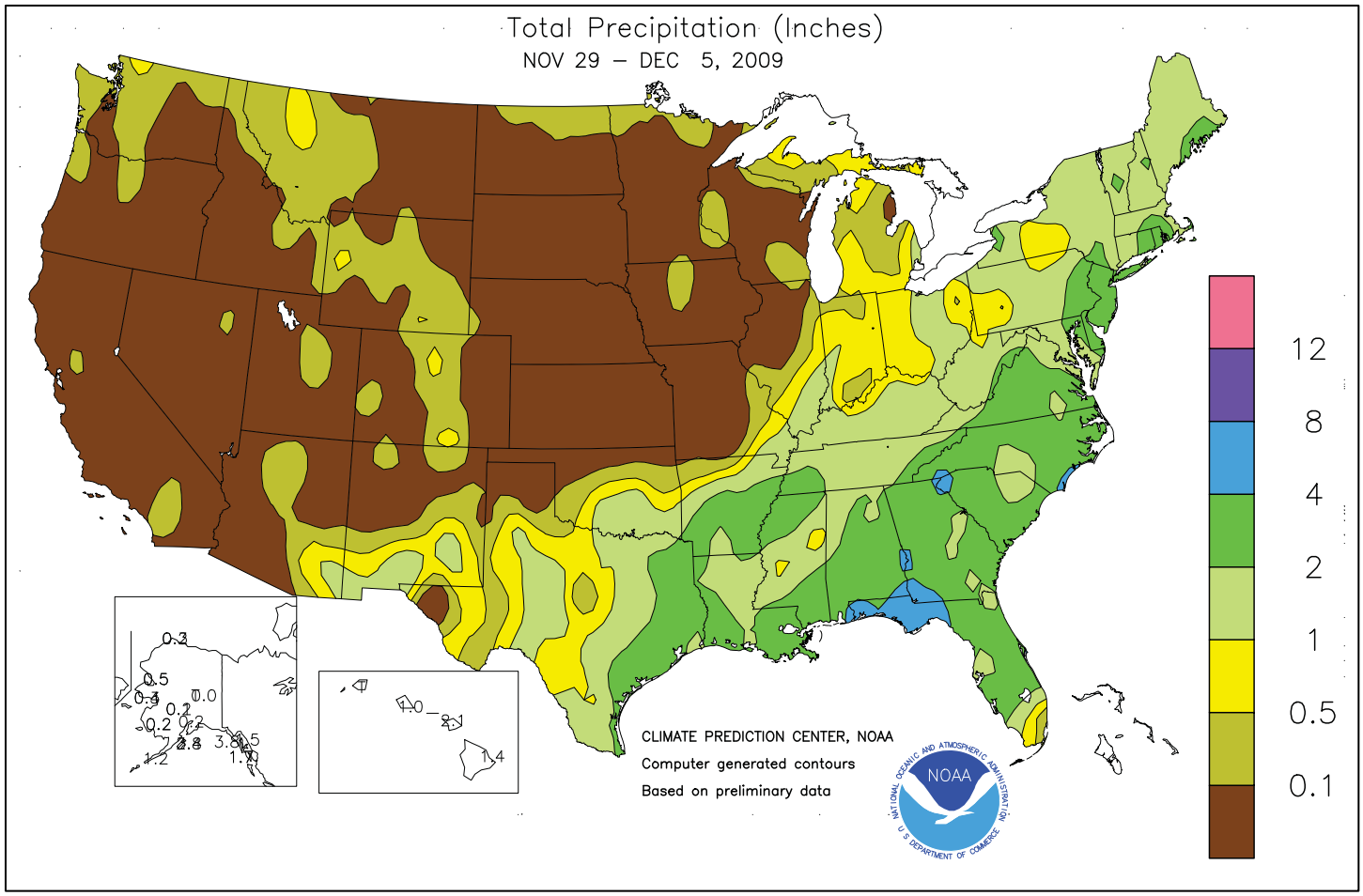
Volume 96, No. 49 http://www.usda.gov/oce/weather December 8, 2009

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

November 29 - December 5, 2009

Highlights provided by USDA/WAOB

A series of storms crossed the **South** and **East**, hampering late-autumn fieldwork and resulting in some early-season snow. Weekly precipitation totaled at least 2 to 4 inches in numerous locations across the **Gulf and Atlantic Coast States**. In the **Southeast**, delayed fieldwork activities included winter wheat planting and cotton, peanut, and soybean harvesting. Wet weather also disrupted fieldwork in the **eastern Corn Belt**, although precipitation totals were generally an inch or less. In contrast, corn and final

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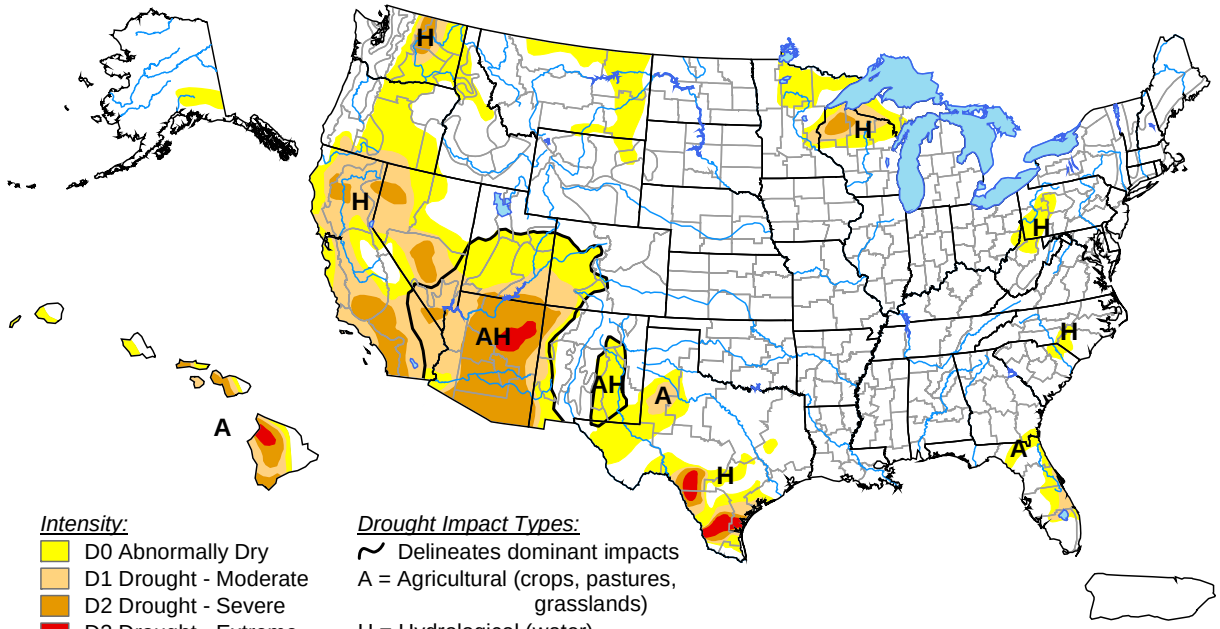
Contents

U.S. Drought Monitor

December 1, 2009
Valid 8 a.m. EDT



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

Drought Impact Types:
- ~ Delineates dominant impacts
- A = Agricultural (crops, pastures, grasslands)
- H = Hydrological (water)

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

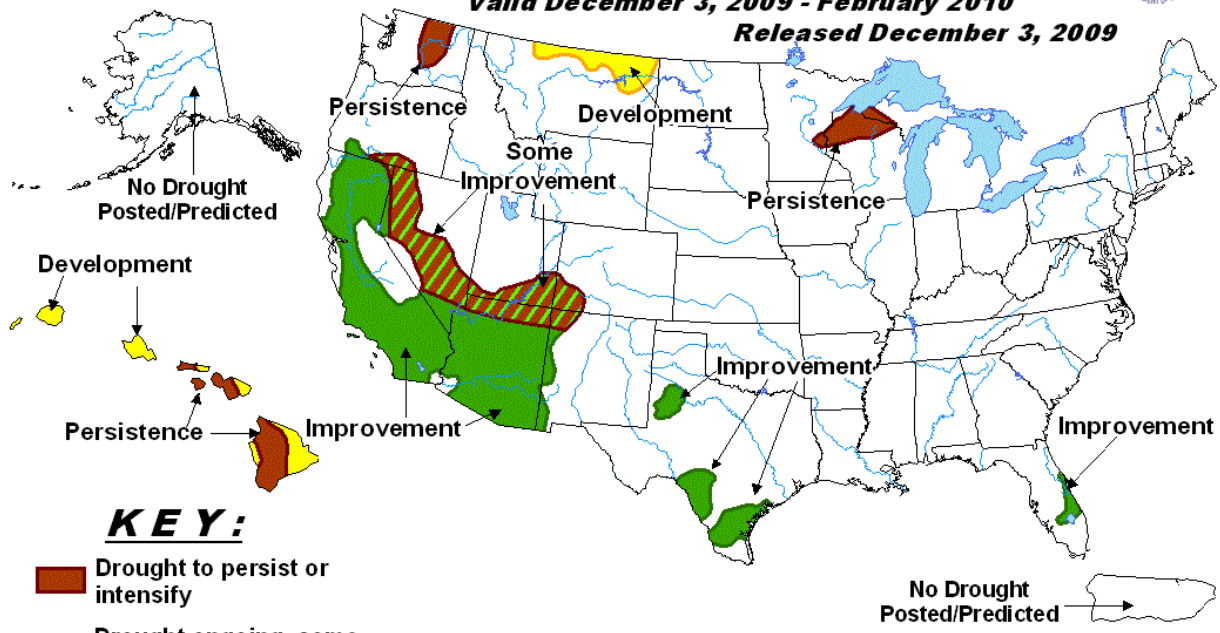
http://drought.unl.edu/dm

USDA National Drought Mitigation Center

Released Thursday, December 3, 2009
Author: Anthony Artusa, NOAA/NWS/NCEP/CPC

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period
Valid December 3, 2009 - February 2010
Released December 3, 2009

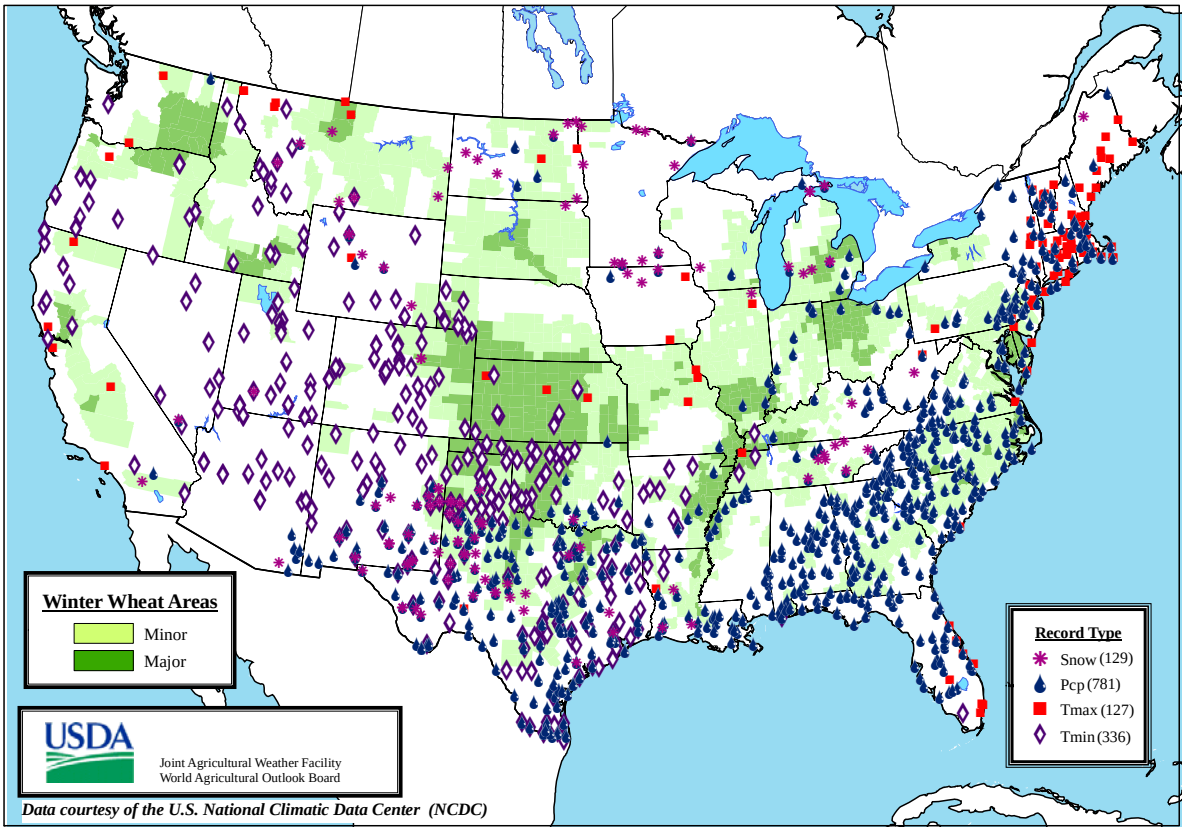


KEY:
- Drought to persist or intensify
- Drought ongoing, some improvement
- Drought likely to improve, impacts ease
- Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.

Daily Weather Records (ASOS & COOP)

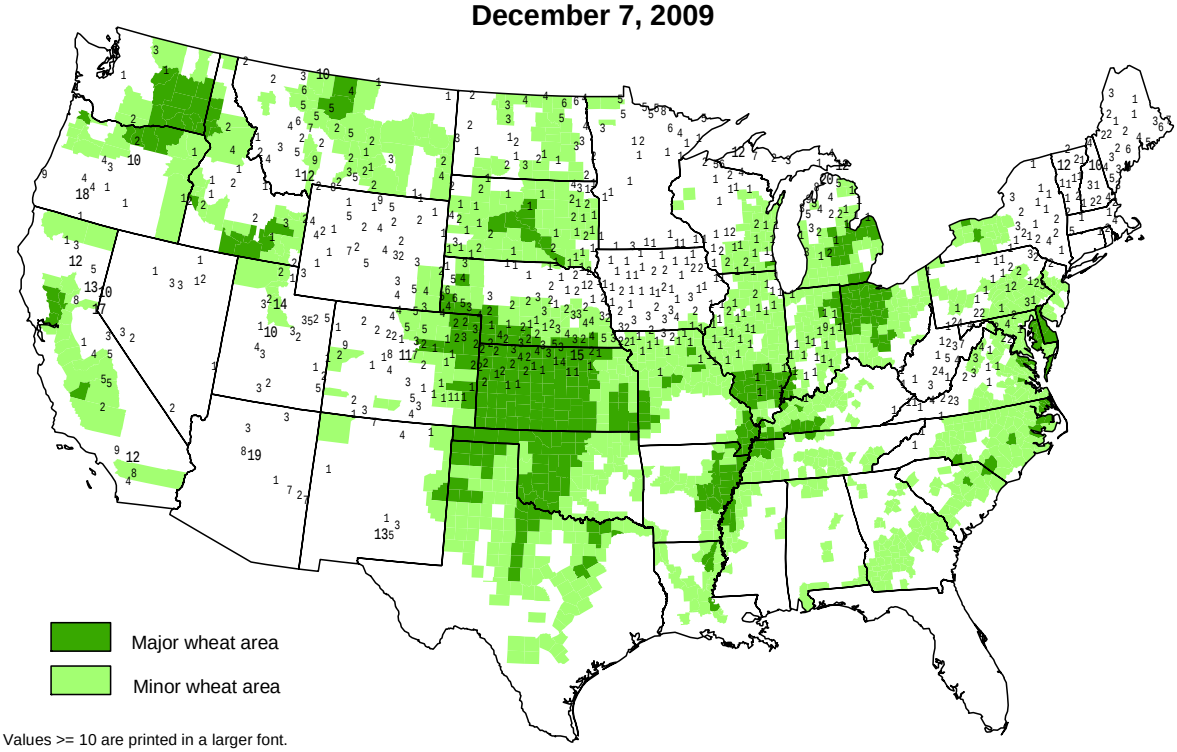
November 29-December 5, 2009



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

Snow Depth (inches)

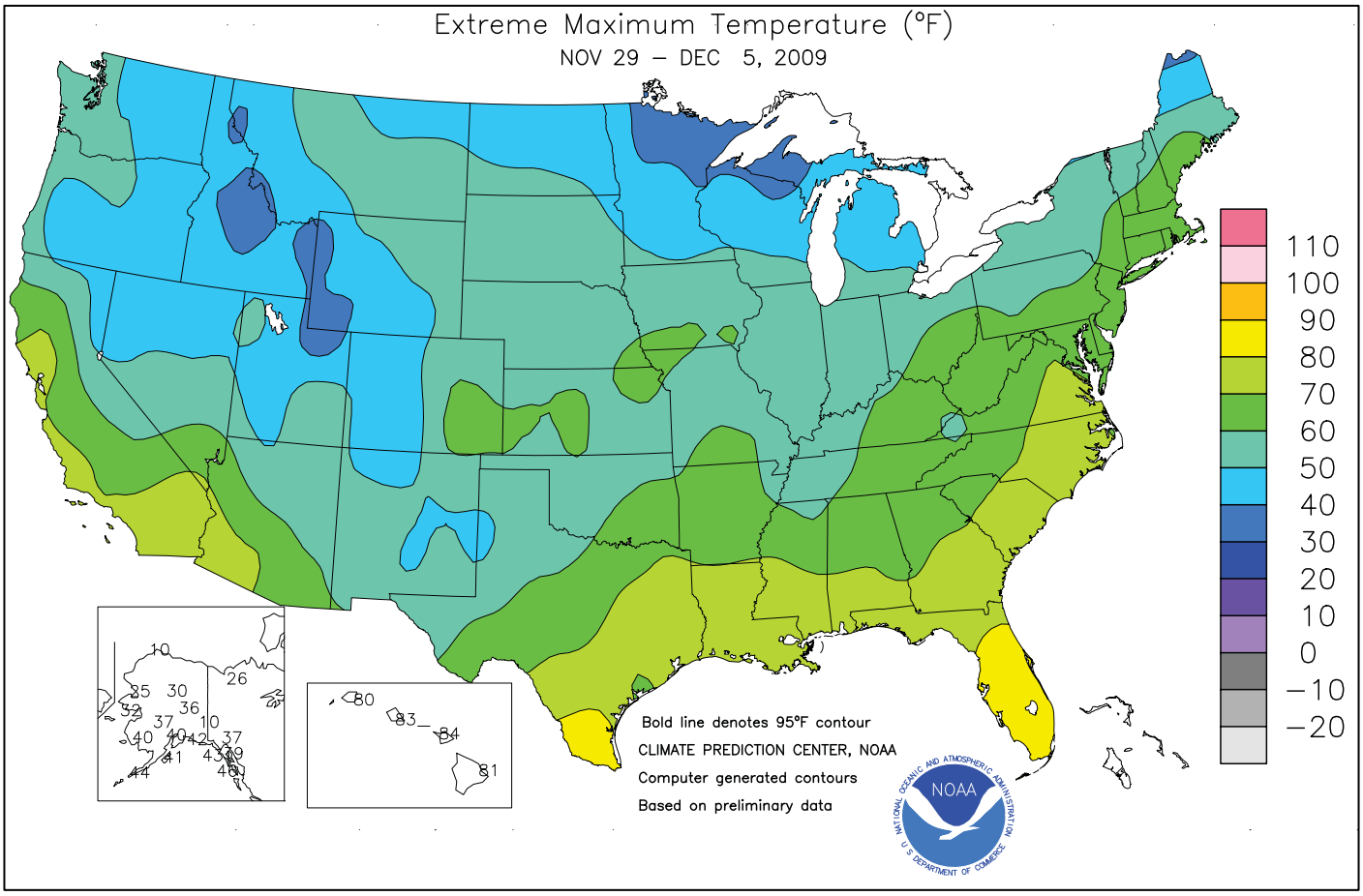
December 7, 2009

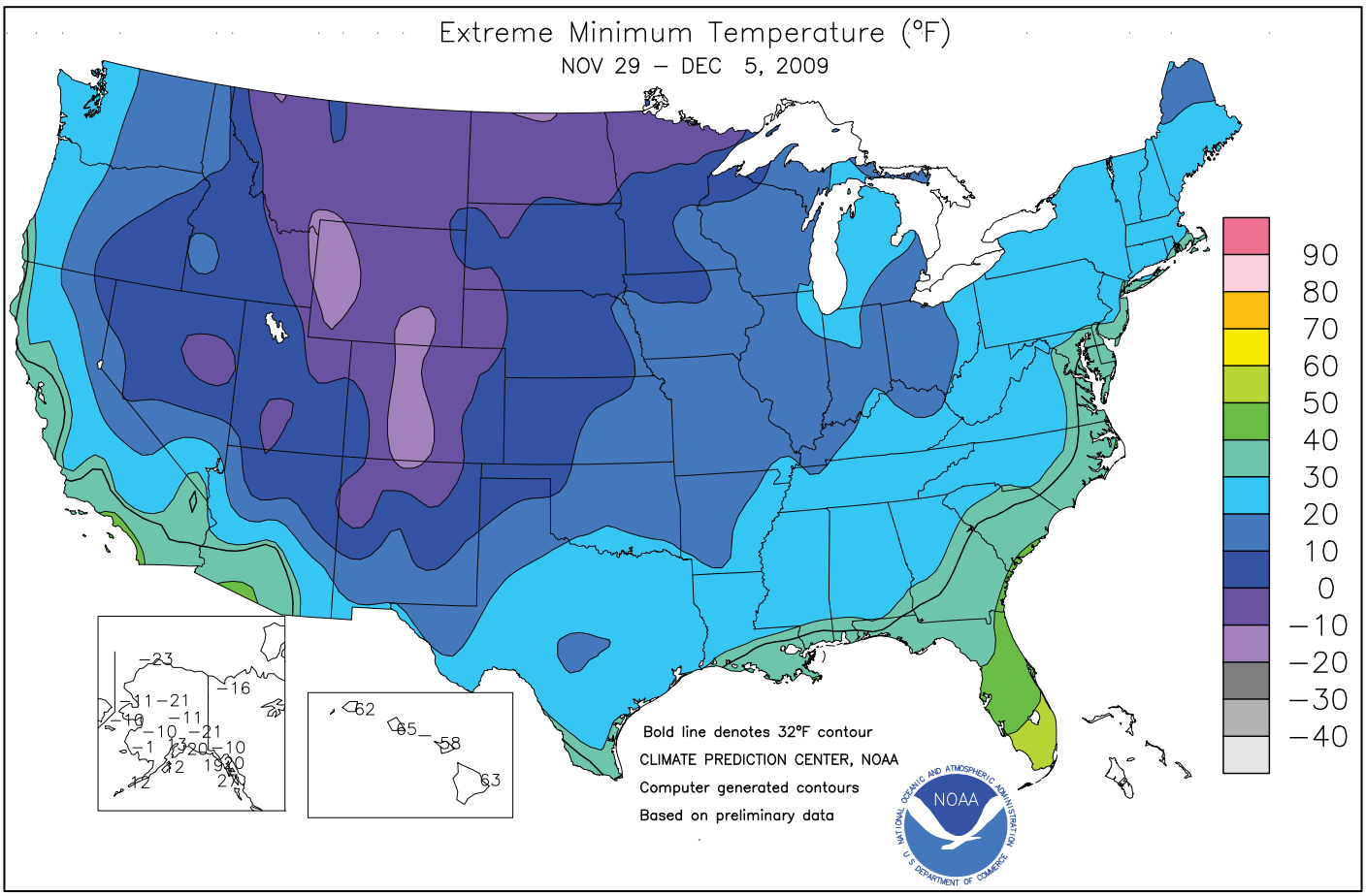


Values >= 10 are printed in a larger font.

Snow depth reports obtained from the NWS Cooperative Observer Network.

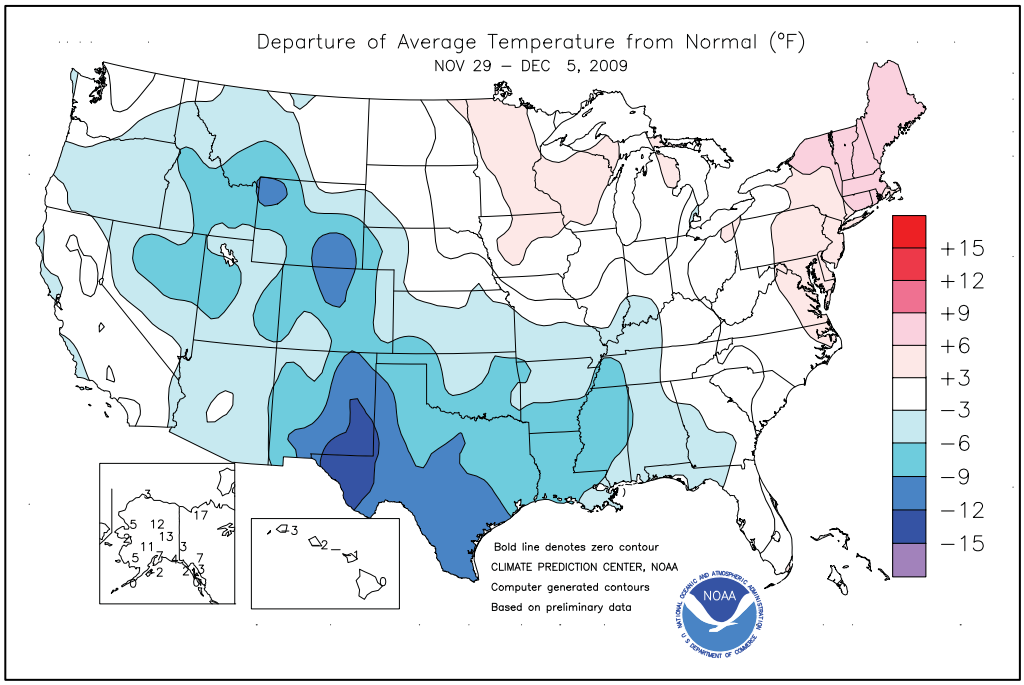
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


Extreme Maximum Temperature (°F)
NOV 29 – DEC 5, 2009
110
100
90
80
70
60
50
40
30
20
10
0
−10
−20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA


Extreme Minimum Temperature (°F)
NOV 29 – DEC 5, 2009
90
80
70
60
50
40
30
20
10
0
−10
−20
−30
−40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA

(Continued from front cover)

soybean harvesting advanced across the **western Corn Belt** under colder but mostly dry conditions. Farther west, cold air invaded the **nation's mid-section**, accompanied by some rain and snow across the **southern Plains**. Fieldwork slowed due to the damp weather in **Texas** and parts of **Oklahoma**, but harvesting of crops such as corn, sorghum, and sunflowers neared completion on the **central Plains**. Cold weather also overspread the **West**, although precipitation was mostly confined to the **Rockies** and the **Desert Southwest**. Significant snow blanketed mountainous areas in **southern portions of Arizona and New Mexico**, where weekly temperatures generally ranged from 5 to 15°F below normal. Elsewhere, readings ranged from as much as 10°F below normal on the **southern Plains** to 10°F above normal in parts of **New England**. Sub-zero temperatures were common across the **Rockies** and the **northern Plains**, while late-week readings dipped to near the freezing mark (32°F) as far south as the **lower Rio Grande Valley in Deep South Texas**. However, temperatures in **southern Texas** were not low enough to cause significant concern for winter crops such as citrus and sugarcane.



Early in the week, warmth lingered across the **North** and **West**. **Santa Rosa, CA** (76°F), posted a daily-record high for November 29, followed the next day by records for November 30 in locations such as **Simpson, MT** (55°F), and **Grand Forks, ND** (49°F). In early December, warmth shifted into the **East**, while markedly colder weather overspread the **South** and **West**. On December 2, **Vero Beach, FL** (87°F), tied a monthly record previously achieved on December 3, 1999, and December 5, 2002. Eastern daily-record highs for December 3 reached 89°F in **Ft. Lauderdale, FL**; 69°F in **Boston, MA**; and 63°F in **Albany, NY.** Farther west, however, **Laramie, WY** (-16 and -19°F), notched consecutive daily-record lows on December 2-3. In **Montana**, **Wisdom** (-29°F) also collected a record low for December 2. The week ended (on December 4-5) with consecutive daily-record lows in numerous **Western** locations, including **Grand Junction, CO** (1 and 2°F); **Roosevelt, UT** (-10 and -9°F); and the **Grand Canyon, South Rim, AZ** (0 and 4°F). In **New Mexico**, lows on December 4 plunged to -21°F in **Eagle Nest** and -10°F in **Chama**. Sub-zero readings were also reported across the **central High Plains** on December 4, when daily-record lows included -7°F in Alliance, NE, and -4°F in **Colorado Springs, CO.** The following day, readings of 20°F in both **Shreveport, LA**, and **Vicksburg, MS**, were among dozens of daily-record lows for December 5 across the **South**. In **Texas**, **Harlingen** (29°F on December 5) registered a daily-record low, while **Houston** (26°F) reported its coldest day since February 16, 2007 (also 26°F).

Early-week rainfall was heaviest across the **Mid-South**, where **Texarkana, AR** (2.15 inches), received a daily-record sum for November 29. Meanwhile, snow developed across portions of the **southern High Plains** and the **Southwest**. In **northern Texas**, **Amarillo** (2.1 inches) received a daily-record snowfall for November 29. The last day of November featured a daily-record snowfall of 2.5 inches in **El Paso, TX.** In fact, **El Paso** received a total of 7.8 inches of snow during two separate storms between November 30 and December 3. In early December, heavy rain erupted in the **western and central Gulf Coast States**, while some snow skirted the **nation's northern tier**. Daily-record rainfall totals for December 1 included 2.71 inches in **Houston (Hobby Airport), TX**, and 2.42 inches in **New Orleans, LA. Harlingen, TX**, netted consecutive daily-record totals on November 30 and December 1, totaling 1.52 inches. Farther north, **International Falls, MN** (5.6 inches), received a daily-record snowfall for December 1. By December 2, torrential rains arrived in the **Southeast**, where record-setting daily totals included 5.34 inches in **Tallahassee, FL**; 3.63 inches in **Columbus, GA**; and 3.11 inches in **Greenville-Spartanburg, SC.** In **Florida**, **Ft. Myers** ended with week with consecutive daily-record totals on December 4-5, totaling 2.99 inches. Meanwhile, snow squalls in the vicinity of the **Great Lakes** resulted in December 1-5 totals of 8.9 inches in **Grand Rapids, MI**, and 6.4 inches in **Buffalo, NY.** On December 4, the earliest measurable snowfall on record arrived in **Houston, TX** (1.0 inch), and **Lake Charles, LA** (0.2 inch). Previous records had been set just last year on December 10 in **Houston** and December 11 in **Lake Charles**. Accumulating snows were also reported on December 4 in **Jackson, MS** (0.7 inch); **Alexandria, LA** (0.2 inch), and **Victoria, TX** (0.2 inch). Unofficial totals reached 4.0 inches in **Bogue Chitto, MS**, and **Lane City and Boling, TX.** Interestingly, the **Deep South** snowfall occurred prior to the season's first accumulation in parts of **New England**. For example, **Burlington, VT**, received its first measurable snow on December 7, tying a 1937 record for its latest first accumulation. At week's end, widespread 4- to 8-inch snowfall totals were reported on December 5 in the **central Appalachians** and **Mid-Atlantic piedmont**, with official amounts reaching 5.7 inches in **Beckley, WV**, and 3.9 inches in **Blacksburg, VA.**

Mild weather prevailed in **Alaska**, where temperatures averaged more than 10°F above normal at some interior locations. **Bettles** (25°F) tallied a daily record-tying high on December 1, followed at week's end by records for December 5 in locations such as **Cold Bay** (46°F) and **McGrath** (37°F). **McGrath's** warmth followed a 3.3-inch snowfall from December 1-3. Meanwhile in **Valdez**, weekly precipitation totaled 3.31 inches, including 12.8 inches of snow. Farther south, cool, occasionally showery conditions covered **Hawaii**. On December 3, **Kahului, Maui**, posted a daily record-tying low of 58°F, along with rainfall totaling 0.94 inch.

Agricultural Weather Data Compiled by USDA's Stoneville Field Office

Weather Data for the Week Ending December 5, 2009

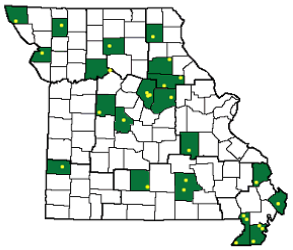
Data Provided by the Mississippi State Delta Research and Extension Center (DREC) and the University of Missouri Commercial Agriculture Program.

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP. °F		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE DEC01	PCT. NORMAL SINCE DEC01	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
MISSISSIPPI																				
ND	TUNICA 1W	48	34	59	25	41	-	3.59	-	2.82	0.65	-	-	-	50	-	0	4	3	2
	LYON	48	35	59	26	41	-	2.27	-	1.47	0.52	-	-	-	51	48	0	4	3	2
	VANCE	48	35	59	27	42	-	2.78	-	1.80	0.46	-	-	-	51	46	0	3	3	2
	PERTHSHIRE	48	36	62	26	42	-	3.19	-	2.20	0.59	-	-	-	49	43	0	2	3	2
	SCOTT	50	36	68	26	43	-	0.69	-	0.53	0.56	-	-	-	52	46	0	2	6	1
	SANDY RIDGE	50	35	64	24	43	-	1.92	-	0.94	0.28	-	-	-	52	-	0	3	3	2
NE	VERONA	49	35	57	26	42	-	1.31	-	0.75	0.04	-	55.23	-	51	44	0	3	3	2
SD	STONEVILLE x	53	36	71	25	45	-4	1.82	0.56	1.55	0.27	30	60.11	124	54	46	0	2	3	1
	INDIANOLA 1S*	50	37	69	28	44	-	1.75	-	1.22	0.29	-	-	-	-	-	0	2	4	1
	INVERNESS 5E	51	37	69	26	44	-	1.60	-	1.21	0.23	-	-	-	52	46	0	2	3	1
	SIDON	52	38	70	30	45	-	1.61	-	1.27	0.20	-	61.27	-	53	49	0	1	3	1
	NORTH ISSAQUENA	51	38	71	28	45	-	1.42	-	1.22	0.20	-	-	-	52	47	0	2	2	1
	SILVER CITY	52	37	71	26	44	-	1.64	-	1.40	0.24	-	-	-	53	50	0	2	2	1
	ONWARD	52	37	72	26	45	-	1.46	-	1.18	0.28	-	-	-	54	49	0	2	2	1
	MAYDAY	52	38	72	25	45	-	1.13	-	0.93	0.20	-	-	-	52	48	0	2	2	1
MISSOURI																				
NW	CORNING	44	23	62	12	34	1	0.00	-0.41	0.00	0.00	0	27.44	82	-	-	0	6	0	0
	ALBANY	43	23	60	14	33	-1	0.00	-0.39	0.00	0.00	0	37.78	110	40	36	0	6	0	0
	ST. JOSEPH	44	25	59	14	34	-1	0.00	-0.44	0.00	0.00	0	37.93	107	-	-	0	6	0	0
NC	LINNEUS	42	25	58	15	34	0	0.00	-0.44	0.00	0.00	0	43.19	118	41	37	0	5	0	0
	BRUNSWICK	43	24	57	16	34	-1	0.00	-0.49	0.00	0.00	0	42.76	116	42	39	0	6	0	0
NE	NOVELTY	43	26	58	16	34	-1	0.00	-0.58	0.00	0.00	0	49.64	141	39	35	0	4	0	0
	MONROE CITY	42	27	58	18	35	0	0.00	-0.64	0.00	0.00	0	44.66	126	40	37	0	5	0	0
WC	GREEN RIDGE	43	25	57	15	34	-3	0.00	-0.81	0.00	0.00	0	44.68	111	41	36	0	6	0	0
C	AUXVASSE	43	27	56	18	35	-1	0.00	-0.67	0.00	0.00	0	48.55	129	41	38	0	5	0	0
	COL-SANBORN FLD	44	30	57	20	37	-1	0.00	-0.75	0.00	0.00	0	50.12	127	43	39	0	3	0	0
	WILLIAMSBURG	44	27	57	15	36	-1	0.01	-0.75	0.01	0.01	2	47.14	117	42	37	0	5	1	0
	COL-JEFFERS F&G	44	28	56	17	35	-3	0.00	-0.73	0.00	0.00	0	48.27	124	41	38	0	3	0	0
	COL SOUTH FARMS	43	28	56	17	35	-3	0.00	-0.73	0.00	0.00	0	52.26	133	-	-	0	4	0	0
	COL-BF	43	27	56	15	34	-4	0.00	-0.73	0.00	0.00	0	-	-	41	36	0	6	0	0
	VERSAILLES	44	26	58	17	35	-4	0.00	-0.67	0.00	0.00	0	49.76	124	43	38	0	5	0	0
EC	VANDALIA	43	28	57	17	35	-2	0.01	-0.68	0.01	0.01	2	46.90	121	41	36	0	5	1	0
SW	LAMAR	44	27	57	18	35	-4	0.00	-0.74	0.00	0.00	0	43.18	95	43	37	0	5	0	0
SC	COOK STATION	47	23	64	12	34	-6	0.00	-0.93	0.00	0.00	0	48.88	118	44	40	0	6	0	0
	MOUNTAIN GROVE	44	26	59	15	34	-4	0.01	-1.09	0.01	0.00	0	41.02	96	43	38	0	6	1	0
SE	DELTA	46	30	59	19	37	-4	1.11	0.19	0.93	0.93	144	42.30	100	44	39	0	4	3	1
	CHARLESTON	45	31	57	21	39	-1	0.96	0.26	0.77	0.77	151	45.29	108	45	38	0	4	2	1
	GLENNONVILLE	47	33	63	23	39	-4	1.64	0.98	1.42	1.42	312	45.61	117	45	40	0	4	2	1
	CLARKTON	46	32	59	21	39	-3	1.62	0.90	1.42	1.42	286	44.10	110	47	40	0	4	2	1
	PORTAGEVILLE DC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	PORTAGEVILLE LF	46	33	58	22	40	-3	1.19	0.29	0.88	0.88	134	49.17	116	48	41	0	3	2	1
	STEELE	46	34	57	24	40	-3	1.27	0.25	0.92	0.92	117	55.53	125	47	41	0	4	3	1
	CARDWELL	46	33	60	23	39	-4	1.40	0.61	1.05	1.05	167	53.33	123	49	41	0	4	2	1

Compiled by USDA/OCE/WAOB's Stoneville Field Office. * Beasley Lake. X Based on 1971-2000 normals. - Sufficient data not available.
Data are preliminary and subject to revision.
Mississippi: ND = Northern Delta; NE = Northeastern Mississippi; EC = East Central Mississippi; SD = Southern Delta
Missouri: NW = Northwest; NC = North Central; NE = Northeast; WC = West Central; C = Central; EC = East Central; SW = Southwest; SE = Southeast; SC = South Central. (Col=Columbia, Col-Jeffers F&G=Columbia Jefferson Farm and Gardens, Col-BF=Bradford Farm)

Weather and Crop Summary for the Mississippi Delta: Wet weather, including some snow, affected the Delta. Precipitation totals ranged from 0.50 to 4.00 inches. On Friday evening, the combination of sub-freezing temperatures and precipitation resulted in 0.5 to 1.0 inch of snow in the south-central and southern Delta. Earlier in the week, rainfall had been heaviest in the far northern Delta.

Missouri Weather Stations



Note: For information on the weather stations in Missouri please visit:
http://agebb.missouri.edu/weather/stations/index.htm

Mississippi Weather Stations

Note: For information on the weather stations in Mississippi please visit:
http://www.deltaweather.msstate.edu/maps/weather_station_map.htm

National Weather Data for Selected Cities

Weather Data for the Week Ending December 5, 2009

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

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	55	36	68	27	46	-3	2.28	1.22	1.13	1.76	235	67.26	134	93	57	0	2	5	3
	HUNTSVILLE	53	35	64	26	44	-3	1.87	0.55	0.91	1.01	107	60.01	114	85	64	0	2	5	2
	MOBILE	60	42	72	31	51	-4	2.84	1.60	1.44	2.16	248	63.46	102	89	66	0	1	5	3
	MONTGOMERY	58	39	71	27	48	-4	1.72	0.48	1.14	1.67	190	52.73	104	89	59	0	1	3	2
AK	ANCHORAGE	32	20	40	13	26	7	0.21	-0.01	0.13	0.15	94	12.82	85	77	70	0	7	4	0
	BARROW	4	-11	10	-23	-4	3	0.15	0.14	0.10	0.11	1100	5.81	144	89	74	0	7	4	0
	FAIRBANKS	22	-2	36	-11	10	13	0.02	-0.12	0.01	0.00	0	8.09	83	84	74	0	7	2	0
	JUNEAU	36	31	39	20	34	3	1.55	0.39	0.94	1.13	136	56.67	105	95	89	0	4	6	1
	KODIAK	38	22	41	12	30	-2	2.76	1.22	1.42	1.73	156	80.75	117	86	78	0	6	5	2
	NOME	21	7	32	-10	14	2	0.35	0.10	0.22	0.35	194	14.09	90	87	76	0	7	5	0
AZ	FLAGSTAFF	41	18	52	12	30	-2	0.02	-0.39	0.01	0.01	3	8.81	41	76	34	0	7	2	0
	PHOENIX	66	45	70	38	56	-1	0.00	-0.17	0.00	0.00	0	2.80	37	50	31	0	0	0	0
	PRESCOTT	52	22	61	12	37	-3	0.01	-0.27	0.01	0.00	0	7.43	41	65	18	0	7	1	0
	TUCSON	63	40	66	32	51	-3	0.16	0.00	0.10	0.03	25	5.88	52	66	40	0	1	4	0
AR	FORT SMITH	50	31	63	20	41	-4	0.26	-0.76	0.26	0.00	0	53.07	129	82	42	0	4	1	0
	LITTLE ROCK	50	34	64	21	42	-5	2.34	1.04	1.38	1.38	150	70.84	150	89	46	0	3	2	2
CA	BAKERSFIELD	62	37	69	35	50	0	0.00	-0.14	0.00	0.00	0	3.59	62	84	62	0	0	0	0
	FRESNO	62	36	66	34	49	1	0.00	-0.25	0.00	0.00	0	6.67	66	89	68	0	0	0	0
	LOS ANGELES	67	50	80	48	59	0	0.00	-0.31	0.00	0.00	0	5.42	47	72	43	0	0	0	0
	REDDING	63	36	69	28	49	2	0.00	-0.94	0.00	0.00	0	18.05	61	74	50	0	3	0	0
	SACRAMENTO	60	37	70	32	48	-1	0.00	-0.52	0.00	0.00	0	15.24	96	92	45	0	1	0	0
	SAN DIEGO	65	51	72	47	58	-1	0.00	-0.23	0.00	0.00	0	3.22	33	74	55	0	0	0	0
	SAN FRANCISCO	58	45	70	40	52	1	0.00	-0.58	0.00	0.00	0	12.59	71	81	70	0	0	0	0
	STOCKTON	59	32	63	29	46	-2	0.01	-0.39	0.01	0.01	4	8.68	71	91	72	0	5	1	0
CO	ALAMOSA	37	1	47	-10	19	-3	0.03	-0.05	0.03	0.00	0	7.16	103	82	52	0	7	1	0
	CO SPRINGS	39	13	58	-4	26	-5	0.04	-0.02	0.03	0.04	100	15.06	89	81	31	0	7	2	0
	DENVER INTL	40	13	62	-2	27	-5	0.02	-0.05	0.02	0.02	40	17.47	131	79	33	0	7	1	0
	GRAND JUNCTION	40	11	52	1	26	-6	0.00	-0.11	0.00	0.00	0	6.70	78	63	38	0	7	0	0
	PUEBLO	43	11	65	-1	27	-6	0.03	-0.05	0.02	0.03	50	15.70	130	72	44	0	7	2	0
CT	BRIDGEPORT	53	36	64	29	44	4	1.73	0.95	0.62	1.48	264	35.78	87	82	56	0	2	4	2
	HARTFORD	54	35	67	28	45	9	1.54	0.69	0.99	1.39	232	44.21	102	81	53	0	2	4	1
DC	WASHINGTON	56	39	65	33	48	4	1.64	0.96	0.68	1.46	304	41.48	113	80	51	0	0	4	2
DE	WILMINGTON	56	35	68	31	45	4	1.64	0.87	0.72	1.43	260	44.92	112	92	52	0	2	4	1
FL	DAYTONA BEACH	73	54	82	47	64	0	2.49	1.89	1.64	2.49	579	48.87	104	99	62	0	0	4	2
	JACKSONVILLE	67	48	78	39	57	-1	1.92	1.37	0.88	1.92	492	55.29	110	94	60	0	0	3	2
	KEY WEST	82	70	84	59	76	2	1.12	0.66	0.70	1.12	339	30.12	81	89	70	0	0	2	1
	MIAMI	83	67	88	59	75	3	0.41	-0.16	0.21	0.41	103	49.50	87	92	64	0	0	2	0
	ORLANDO	74	55	83	46	65	0	2.91	2.36	1.38	2.91	746	49.00	106	94	64	0	0	3	3
	PENSACOLA	62	45	74	35	54	-3	4.30	3.37	3.03	3.89	598	79.42	130	90	67	0	0	6	2
	TALLAHASSEE	64	43	76	37	54	-3	6.19	5.33	4.84	5.99	982	53.26	89	95	55	0	0	5	2
	TAMPA	73	57	81	48	65	-1	1.43	0.93	1.10	1.43	397	45.01	105	90	65	0	0	3	1
	WEST PALM BEACH	81	63	86	55	72	2	0.91	-0.12	0.61	0.91	128	52.60	89	88	65	0	0	3	1
GA	ATHENS	57	37	69	29	47	-2	3.25	2.44	3.20	3.21	563	54.56	122	85	58	0	2	3	1
	ATLANTA	54	38	66	29	46	-3	2.57	1.63	2.40	2.47	374	62.82	134	87	66	0	1	4	1
	AUGUSTA	63	37	72	32	50	0	2.41	1.85	2.39	2.41	603	44.03	105	95	55	0	2	3	1
	COLUMBUS	57	39	66	32	48	-5	4.03	3.01	3.52	4.02	558	70.65	157	92	54	0	1	3	2
	MACON	63	38	72	30	51	0	1.13	0.31	0.68	1.13	192	53.74	129	91	54	0	2	3	1
	SAVANNAH	64	45	72	40	55	0	3.54	3.04	2.70	3.54	1011	54.03	115	91	58	0	0	4	1
HI	HILO	80	66	81	63	73	0	1.44	-1.84	0.86	1.06	46	121.39	103	84	76	0	0	4	1
	HONOLULU	81	67	83	65	74	-2	0.96	0.40	0.75	0.77	193	12.25	77	81	69	0	0	4	1
	KAHULUI	81	65	84	58	73	-2	2.10	1.53	1.46	1.47	359	12.96	80	84	76	0	0	4	1
	LIHUE	78	66	80	62	72	-2	0.04	-1.03	0.03	0.00	0	25.88	73	80	70	0	0	2	0
ID	BOISE	40	22	46	18	31	-3	0.00	-0.33	0.00	0.00	0	9.52	86	75	56	0	7	0	0
	LEWISTON	36	24	43	18	30	-6	0.00	-0.25	0.00	0.00	0	10.41	88	86	78	0	7	0	0
	POCATELLO	33	10	41	-2	22	-7	0.08	-0.17	0.08	0.08	44	14.76	126	85	58	0	7	1	0
IL	CHICAGO/O'HARE	40	29	55	23	35	2	0.02	-0.63	0.02	0.00	0	39.87	116	79	61	0	5	1	0
	MOLINE	41	29	57	19	35	3	0.00	-0.56	0.00	0.00	0	47.77	132	78	62	0	3	0	0
	PEORIA	42	28	56	16	35	1	0.00	-0.68	0.00	0.00	0	50.37	148	80	53	0	5	0	0
	ROCKFORD	39	26	56	17	33	2	0.03	-0.54	0.01	0.02	5	43.16	123	81	62	0	7	3	0
	SPRINGFIELD	44	29	58	17	36	0	0.17	-0.49	0.13	0.13	28	48.33	144	82	51	0	4	2	0
IN	EVANSVILLE	44	30	57	17	37	-4	0.99	0.01	0.87	0.87	126	47.96	116	86	58	0	5	2	1
	FORT WAYNE	42	30	55	20	36	1	0.71	0.02	0.48	0.54	110	38.92	114	84	63	0	4	3	0
	INDIANAPOLIS	43	29	54	21	36	-1	0.66	-0.15	0.58	0.58	102	45.97	119	84	55	0	5	2	1
	SOUTH BEND	40	28	53	21	34	0	0.23	-0.55	0.09	0.14	25	40.18	108	87	66	0	7	3	0
IA	BURLINGTON	43	29	59	17	36	2	0.00	-0.59	0.00	0.00	0	51.49	142	79	50	0	4	0	0
	CEDAR RAPIDS	39	24	58	12	31	1	0.00	-0.45	0.00	0.00	0	47.11	146	88	55	0	5	0	0
	DES MOINES	42	25	62	15	34	3	0.00	-0.37	0.00	0.00	0	35.76	106	71	58	0	5	0	0
	DUBUQUE	37	25	55	13	31	2	0.00	-0.50	0.00	0.00	0	43.77	128	86	67	0	7	0	0
	SIOUX CITY	39	17	58	10	28	0	0.00	-0.20	0.00	0.00	0	30.49	120	81	64	0	7	0	0
	WATERLOO	37	22	55	9	30	2	0.02	-0.34	0.02	0.02	8	36.19	112	86	69	0	7	1	0
KS	CONCORDIA	43	23	60	10	33	-2	0.00	-0.24	0.00	0.00	0	25.30	91	77	50	0	6	0	0
	DODGE CITY	44	19	59	9	31	-6	0.00	-0.17	0.00	0.00	0	30.47	140	77	33	0	7	0	0
	GOODLAND	43	16	59	6	29	-3	0.00	-0.10	0.00	0.00	0	21.83	112	76	38	0	7	0	0
	TOPEKA	46	24	61	14	35	-1	0.00	-0.42	0.00	0.00	0	39.87	115	76	50	0	6	0	0

Based on 1971-2000 normals ***** Not Available**

Weather Data for the Week Ending December 5, 2009

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	45	23	57	12	34	-4	0.00	-0.34	0.00	0.00	0	37.18	127	78	49	0	7	0	0
KY	JACKSON	49	34	62	21	42	-1	1.97	0.92	0.95	1.23	164	51.41	112	87	58	0	3	4	2
	LEXINGTON	47	31	59	19	39	-2	1.18	0.27	0.55	0.63	97	50.29	118	84	65	0	4	7	1
	LOUISVILLE	47	33	60	24	40	-3	0.47	-0.45	0.32	0.32	49	51.39	124	84	53	0	3	3	0
	PADUCAH	45	30	57	17	37	-5	0.93	-0.23	0.74	0.74	89	51.87	114	90	50	0	5	2	1
LA	BATON ROUGE	58	41	76	29	49	-6	2.23	1.07	0.90	1.61	194	51.11	87	93	63	0	1	4	2
	LAKE CHARLES	57	42	77	28	50	-6	2.52	1.46	1.22	1.85	243	66.44	125	93	64	0	1	4	3
	NEW ORLEANS	61	45	74	35	53	-5	3.81	2.53	2.42	3.46	380	56.90	95	84	66	0	0	4	2
	SHREVEPORT	53	37	72	20	45	-7	1.41	0.35	0.56	0.65	87	56.08	118	92	57	0	2	4	1
ME	CARIBOU	36	25	40	18	30	7	0.73	0.01	0.39	0.39	76	35.52	102	92	72	0	7	2	0
	PORTLAND	49	32	68	26	41	8	1.55	0.53	1.25	1.43	199	54.81	130	90	52	0	5	4	1
MD	BALTIMORE	57	33	67	29	45	4	2.19	1.45	0.85	1.97	372	49.51	127	89	54	0	3	4	2
MA	BOSTON	53	39	69	33	46	6	1.38	0.51	0.70	1.17	192	40.91	104	83	50	0	0	4	1
	WORCESTER	48	33	63	27	41	7	1.41	0.53	0.91	1.22	197	46.63	102	91	54	0	4	4	1
MI	ALPENA	38	28	44	23	33	4	0.25	-0.17	0.12	0.19	63	33.48	125	91	66	0	6	4	0
	GRAND RAPIDS	40	30	49	24	35	2	0.50	-0.27	0.20	0.40	74	39.86	114	85	63	0	4	5	0
	HOUGHTON LAKE	36	28	43	22	32	3	0.15	-0.28	0.07	0.06	19	28.99	107	88	72	0	5	4	0
	LANSING	40	29	50	22	35	3	0.28	-0.33	0.12	0.19	44	36.80	124	84	67	0	5	3	0
	MUSKEGON	41	32	50	26	36	3	0.31	-0.39	0.22	0.27	55	34.98	114	80	70	0	4	4	0
	TRAVERSE CITY	37	29	46	23	33	1	0.23	-0.35	0.08	0.16	39	27.00	86	92	66	0	5	5	0
MN	DULUTH	28	19	37	6	23	2	0.05	-0.30	0.04	0.05	21	26.22	87	82	70	0	7	2	0
	INT'L FALLS	25	13	33	-6	19	3	0.42	0.20	0.21	0.29	193	24.33	104	89	77	0	7	5	0
	MINNEAPOLIS	34	24	47	14	29	4	0.03	-0.27	0.03	0.00	0	23.03	80	79	65	0	6	1	0
	ROCHESTER	35	22	48	8	29	5	0.01	-0.33	0.01	0.01	4	28.67	94	80	71	0	7	1	0
	ST. CLOUD	32	21	45	13	27	6	0.00	-0.20	0.00	0.00	0	27.26	103	83	58	0	7	0	0
MS	JACKSON	54	37	72	25	46	-5	0.82	-0.41	0.43	0.39	45	50.64	98	92	60	0	2	4	0
	MERIDIAN	55	36	69	24	45	-7	1.09	-0.15	0.53	0.76	86	51.14	94	96	71	0	2	5	1
	TUPELO	49	34	57	24	42	-5	1.64	0.27	1.02	0.07	7	59.11	117	91	66	0	5	3	2
MO	COLUMBIA	43	27	55	15	35	-2	0.00	-0.74	0.00	0.00	0	47.73	125	78	48	0	6	0	0
	KANSAS CITY	45	25	59	14	35	-1	0.00	-0.48	0.00	0.00	0	43.37	118	81	48	0	5	0	0
	SAINT LOUIS	46	32	58	22	39	0	0.26	-0.57	0.26	0.26	44	46.94	129	70	55	0	3	1	0
	SPRINGFIELD	44	25	61	16	35	-5	0.08	-0.93	0.02	0.06	8	48.41	114	81	53	0	6	5	0
MT	BILLINGS	36	17	53	7	26	-3	0.20	0.07	0.14	0.20	222	10.47	74	78	50	0	7	2	0
	BUTTE	29	1	49	-14	15	-6	0.01	-0.10	0.01	0.01	13	12.52	102	83	47	0	7	1	0
	CUT BANK	32	10	54	-8	21	-3	0.04	-0.03	0.04	0.04	100	4.94	40	83	48	0	6	1	0
	GLASGOW	29	12	49	0	20	-1	0.02	-0.04	0.01	0.02	50	9.59	88	86	69	0	7	2	0
	GREAT FALLS	34	13	54	-3	24	-3	0.35	0.24	0.27	0.35	438	14.28	100	84	44	0	7	3	0
	HAVRE	35	10	56	-3	23	0	0.09	0.01	0.09	0.09	150	8.28	75	75	56	0	7	1	0
	MISSOULA	32	16	45	5	24	-3	0.03	-0.20	0.03	0.03	18	10.71	83	80	69	0	7	1	0
NE	GRAND ISLAND	42	18	58	8	30	0	0.01	-0.22	0.01	0.00	0	23.84	94	77	45	0	7	1	0
	LINCOLN	43	18	59	11	31	0	0.00	-0.27	0.00	0.00	0	20.60	74	75	47	0	6	0	0
	NORFOLK	40	17	59	10	29	1	0.00	-0.23	0.00	0.00	0	23.02	88	81	54	0	7	0	0
	NORTH PLATTE	42	11	57	3	27	-2	0.00	-0.10	0.00	0.00	0	22.56	117	84	31	0	7	0	0
	OMAHA	41	21	58	12	31	0	0.00	-0.32	0.00	0.00	0	25.57	87	82	55	0	7	0	0
	SCOTTSBLUFF	37	10	57	-7	23	-6	0.08	-0.07	0.05	0.08	80	18.49	117	81	56	0	7	3	0
	VALENTINE	38	14	58	4	26	-1	0.00	-0.11	0.00	0.00	0	21.42	111	81	46	0	7	0	0
NV	ELY	39	4	49	-4	22	-7	0.00	-0.08	0.00	0.00	0	9.06	95	76	46	0	7	0	0
	LAS VEGAS	59	39	66	30	49	-1	0.00	-0.06	0.00	0.00	0	1.30	31	29	19	0	1	0	0
	RENO	47	21	51	20	34	-2	0.00	-0.19	0.00	0.00	0	6.48	96	71	53	0	7	0	0
	WINNEMUCCA	43	7	48	1	25	-8	0.03	-0.14	0.01	0.03	25	6.54	86	81	53	0	7	3	0
NH	CONCORD	48	29	65	21	39	7	1.17	0.43	0.52	1.15	221	44.36	126	95	53	0	6	4	1
NJ	NEWARK	55	38	67	33	46	5	1.63	0.76	0.64	1.40	230	42.20	97	71	46	0	0	4	2
NM	ALBUQUERQUE	43	24	56	12	33	-6	0.01	-0.07	0.01	0.01	17	6.54	72	74	39	0	6	1	0
NY	ALBANY	48	32	63	22	40	6	1.19	0.51	0.77	1.18	246	39.02	109	86	56	0	6	4	1
	BINGHAMTON	46	30	54	25	38	6	0.41	-0.37	0.18	0.23	42	35.04	97	83	62	0	6	4	0
	BUFFALO	44	33	52	27	38	3	2.47	1.54	0.96	1.89	282	40.73	109	89	60	0	3	6	2
	ROCHESTER	47	28	55	23	38	3	0.60	-0.06	0.26	0.49	104	31.12	98	89	68	0	5	6	0
	SYRACUSE	50	30	58	27	40	6	0.62	-0.24	0.43	0.19	31	33.41	89	85	57	0	6	4	0
NC	ASHEVILLE	52	34	65	28	43	0	2.12	1.30	1.96	2.02	348	55.08	125	86	63	0	2	3	1
	CHARLOTTE	58	34	68	28	46	-2	1.83	1.14	1.67	1.72	351	42.91	105	87	54	0	3	3	1
	GREENSBORO	57	35	68	29	46	1	1.37	0.68	0.98	1.29	263	42.58	105	85	51	0	2	3	1
	HATTERAS	66	49	73	42	58	4	2.22	1.26	1.08	2.08	306	54.56	101	90	60	0	0	5	2
	RALEIGH	61	36	71	30	49	2	2.89	2.24	2.30	2.71	589	37.09	92	85	58	0	1	3	1
	WILMINGTON	65	43	72	36	54	1	3.60	2.77	2.71	3.56	603	54.88	102	90	54	0	0	5	2
ND	BISMARCK	30	13	51	-2	22	1	0.01	-0.10	0.01	0.01	14	22.28	135	82	73	0	7	1	0
	DICKINSON	30	10	51	-2	20	-3	0.00	-0.08	0.00	0.00	0	15.08	94	85	52	0	7	0	0
	FARGO	28	15	45	0	22	3	0.03	-0.09	0.03	0.03	38	22.91	111	85	70	0	7	1	0
	GRAND FORKS	28	12	49	-6	20	2	0.11	-0.02	0.06	0.11	122	17.35	91	93	70	0	7	2	0
	JAMESTOWN	28	12	48	-4	20	0	0.00	-0.09	0.00	0.00	0	15.69	87	92	68	0	7	0	0
	WILLISTON	27	8	45	-10	17	-1	0.01	-0.13	0.01	0.01	10	13.67	100	87	76	0	7	1	0
OH	AKRON-CANTON	47	29	59	19	38	2	0.83	0.09	0.61	0.62	117	33.29	92	79	67	0	3	4	1
	CINCINNATI	46	31	59	17	39	-1	0.50	-0.28	0.33	0.33	60	40.54	102	87	63	0	5	3	0
	CLEVELAND	47	33	60	23	40	4	1.06	0.24	0.53	0.68	115	33.72	93	84	55	0	2	4	1
	COLUMBUS	48	31	61	19	40	1	0.83	0.07	0.68	0.69	128	32.59	90	84	61	0	3	4	1
	DAYTON	43	29	57	18	36	-1	0.63	-0.13	0.51	0.51	94	33.15	89	86	57	0	5	2	1
	MANSFIELD	45	30	58	18	37	2	1.00	0.14	0.58	0.74	121	34.17	84	89	56	0	5	4	1

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending December 5, 2009

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	42	27	57	14	34	-1	0.85	0.19	0.52	0.65	138	35.65	115	86	62	0	6	3	1
	YOUNGSTOWN	47	31	58	19	39	4	0.58	-0.19	0.33	0.37	67	32.19	90	74	58	0	4	4	0
OK	OKLAHOMA CITY	48	29	58	19	38	-5	0.58	0.15	0.35	0.43	143	34.71	101	76	40	0	5	3	0
	TULSA	49	29	61	18	39	-5	0.14	-0.58	0.11	0.03	6	44.33	109	72	48	0	5	2	0
OR	ASTORIA	50	35	52	25	43	-1	0.04	-2.54	0.03	0.00	0	61.62	105	86	72	0	3	2	0
	BURNS	39	13	45	6	26	-2	0.00	-0.28	0.00	0.00	0	9.64	102	87	75	0	7	0	0
	EUGENE	42	27	45	21	35	-7	0.00	-2.11	0.00	0.00	0	26.69	61	95	89	0	5	0	0
	MEDFORD	38	27	44	26	33	-7	0.00	-0.74	0.00	0.00	0	10.03	63	99	90	0	7	0	0
	PENDLETON	38	24	50	19	31	-6	0.00	-0.36	0.00	0.00	0	11.46	99	91	82	0	7	0	0
	PORTLAND	48	35	53	25	42	0	0.07	-1.34	0.02	0.06	6	27.26	84	86	70	0	3	4	0
	SALEM	48	30	53	23	39	-3	0.01	-1.61	0.01	0.01	1	27.97	81	88	77	0	6	1	0
PA	ALLENTOWN	51	31	63	25	41	4	2.64	1.81	1.28	2.43	412	40.60	96	87	61	0	5	4	2
	ERIE	47	33	58	25	40	2	1.03	0.09	0.32	0.54	81	37.84	95	78	65	0	2	7	0
	MIDDLETOWN	53	34	64	28	44	5	1.36	0.52	0.95	1.28	217	41.58	110	88	54	0	4	4	1
	PHILADELPHIA	56	36	67	33	46	4	1.74	0.98	0.89	1.53	283	45.24	115	80	52	0	0	4	1
	PITTSBURGH	49	31	62	20	40	3	0.81	0.09	0.40	0.56	110	29.87	84	81	51	0	4	5	0
	WILKES-BARRE	49	31	58	28	40	3	0.94	0.25	0.25	0.70	146	33.49	94	90	59	0	6	4	0
	WILLIAMSPORT	50	31	59	27	41	5	1.08	0.27	0.63	1.02	179	36.65	93	82	58	0	6	4	1
RI	PROVIDENCE	54	37	66	31	46	7	2.43	1.45	1.68	2.24	325	50.96	119	82	55	0	2	4	1
SC	BEAUFORT	64	45	72	40	55	1	3.89	3.32	3.04	3.89	949	41.70	89	92	55	0	0	4	1
	CHARLESTON	66	44	74	40	55	1	3.67	3.04	2.74	3.67	816	49.61	102	93	53	0	0	3	2
	COLUMBIA	63	39	72	31	51	0	2.07	1.44	1.99	2.02	449	47.69	105	86	55	0	1	3	1
	GREENVILLE	56	35	68	28	46	-1	3.17	2.34	3.11	3.12	529	47.36	101	87	53	0	2	3	1
SD	ABERDEEN	33	14	52	3	24	2	0.02	-0.05	0.01	0.02	50	23.64	119	86	69	0	7	2	0
	HURON	36	16	57	7	26	2	0.01	-0.09	0.01	0.01	14	21.44	104	84	54	0	7	1	0
	RAPID CITY	37	14	58	-3	25	-3	0.01	-0.05	0.01	0.01	25	18.06	111	75	40	0	7	1	0
	SIOUX FALLS	36	16	54	5	26	2	0.04	-0.15	0.03	0.04	31	21.21	87	82	64	0	7	2	0
TN	BRISTOL	51	32	60	28	42	1	1.63	0.83	0.72	0.96	168	44.00	114	94	57	0	4	3	2
	CHATTANOOGA	53	36	63	28	45	-1	1.57	0.39	1.04	1.13	136	56.30	111	88	64	0	2	5	1
	KNOXVILLE	53	35	66	27	44	-1	1.59	0.57	0.81	0.78	107	55.14	124	88	64	0	2	4	2
	MEMPHIS	49	34	58	23	41	-6	1.70	0.20	0.93	0.68	64	56.38	113	83	54	0	3	3	2
	NASHVILLE	49	33	60	23	41	-4	1.11	-0.01	0.66	0.66	83	54.57	123	91	57	0	4	3	1
TX	ABILENE	46	31	60	24	39	-10	0.98	0.76	0.72	0.98	613	20.71	91	86	53	0	4	2	1
	AMARILLO	41	21	52	10	31	-9	0.13	0.05	0.12	0.01	17	21.99	115	85	44	0	7	2	0
	AUSTIN	53	37	73	19	45	-10	1.36	0.84	0.93	0.93	251	32.71	104	84	54	0	2	3	1
	BEAUMONT	56	41	76	27	49	-8	1.58	0.45	0.99	1.35	167	54.51	98	99	64	0	2	4	1
	BROWNSVILLE	63	47	83	31	55	-9	0.39	0.09	0.19	0.20	95	20.78	78	89	64	0	1	3	0
	CORPUS CHRISTI	59	45	77	32	52	-9	1.59	1.24	1.21	1.36	544	17.98	58	90	75	0	1	3	1
	DEL RIO	52	39	69	27	45	-10	0.81	0.64	0.55	0.55	458	14.69	83	87	69	0	2	3	1
	EL PASO	45	30	54	21	38	-10	1.35	1.22	0.69	0.41	410	8.22	94	93	67	0	5	5	1
	FORT WORTH	51	35	68	24	43	-7	1.10	0.59	0.63	0.98	265	40.09	123	81	47	0	3	3	1
	GALVESTON	59	47	75	35	53	-8	1.93	1.09	1.29	1.74	290	32.26	79	92	71	0	0	3	1
	HOUSTON	58	44	79	26	51	-6	2.03	1.16	1.38	1.60	258	43.33	97	89	63	0	2	3	1
	LUBBOCK	44	27	54	18	35	-8	0.65	0.51	0.46	0.58	580	11.99	66	83	57	0	5	3	0
	MIDLAND	44	30	58	22	37	-11	0.54	0.42	0.35	0.51	567	14.49	102	85	66	0	4	4	0
	SAN ANGELO	50	33	66	22	41	-8	1.06	0.87	0.94	1.06	757	25.00	124	81	63	0	4	3	1
	SAN ANTONIO	52	38	72	23	45	-10	0.79	0.34	0.76	0.76	238	29.52	94	88	52	0	2	2	1
	VICTORIA	56	41	77	26	49	-9	2.92	2.37	1.39	1.74	446	28.81	76	95	70	0	2	3	2
	WACO	52	36	72	23	44	-8	0.96	0.35	0.92	0.94	214	35.29	114	84	57	0	2	3	1
	WICHITA FALLS	49	29	58	21	39	-8	0.68	0.34	0.47	0.63	252	27.74	101	85	52	0	6	3	0
UT	SALT LAKE CITY	38	19	46	11	28	-6	0.05	-0.23	0.05	0.05	25	14.56	94	77	44	0	7	1	0
VT	BURLINGTON	46	33	59	28	40	9	0.29	-0.32	0.12	0.16	37	34.64	101	88	55	0	5	5	0
VA	LYNCHBURG	55	31	70	26	43	1	1.93	1.21	1.25	1.76	345	42.02	104	85	55	0	5	4	2
	NORFOLK	63	44	71	37	54	6	1.93	1.30	0.72	1.51	343	58.60	136	82	50	0	0	5	2
	RICHMOND	61	36	72	30	49	4	3.18	2.52	2.34	2.78	591	43.03	104	84	62	0	1	4	1
	ROANOKE	55	38	71	32	46	3	1.89	1.19	1.21	1.80	360	47.62	119	74	56	0	1	3	2
	WASH/DULLES	57	34	68	30	46	5	1.41	0.69	0.58	1.15	225	43.81	112	84	53	0	3	4	1
WA	OLYMPIA	45	27	53	21	36	-4	0.02	-1.96	0.02	0.02	1	43.25	98	95	86	0	5	1	0
	QUILLAYUTE	49	31	51	23	40	-2	0.49	-3.04	0.26	0.00	0	80.74	90	94	86	0	5	2	0
	SEATTLE-TACOMA	46	36	52	28	41	-1	0.24	-1.18	0.20	0.04	4	35.72	110	88	75	0	3	2	0
	SPOKANE	33	22	43	16	28	-2	0.00	-0.56	0.00	0.00	0	13.59	92	93	67	0	7	0	0
	YAKIMA	39	20	46	14	29	-3	0.00	-0.28	0.00	0.00	0	6.02	85	93	76	0	7	0	0
WV	BECKLEY	47	31	62	22	39	0	0.97	0.28	0.39	0.63	129	40.37	103	79	64	0	4	4	0
	CHARLESTON	52	32	65	26	42	0	1.37	0.52	0.55	0.82	137	41.99	102	87	58	0	5	4	2
	ELKINS	51	28	63	25	40	3	2.05	1.23	0.97	1.70	288	48.98	113	91	53	0	6	5	1
	HUNTINGTON	51	33	65	21	42	1	2.04	1.26	1.39	1.61	293	45.59	115	83	56	0	5	3	1
WI	EAU CLAIRE	35	23	48	16	29	5	0.02	-0.31	0.02	0.00	0	22.65	72	87	57	0	7	1	0
	GREEN BAY	36	27	46	20	31	4	0.02	-0.41	0.02	0.00	0	25.40	90	84	63	0	7	1	0
	LA CROSSE	37	26	49	17	31	3	0.01	-0.38	0.01	0.01	4	27.05	86	86	57	0	7	1	0
	MADISON	38	26	50	18	32	3	0.04	-0.44	0.04	0.04	12	35.20	111	84	62	0	7	1	0
	MILWAUKEE	39	29	51	19	34	2	0.23	-0.36	0.17	0.06	14	33.28	101	77	60	0	4	2	0
WY	CASPER	31	8	51	-6	19	-8	0.13	-0.02	0.06	0.13	130	14.96	120	72	52	0	7	4	0
	CHEYENNE	32	8	53	-4	20	-9	0.06	-0.06	0.03	0.06	75	17.30	115	66	35	0	7	2	0
	LANDER	27	6	45	-9	16	-8	0.36	0.19	0.22	0.36	300	15.83	122	86	51	0	7	3	0
	SHERIDAN	38	11	57	-4	24	-1	0.03	-0.11	0.01	0.03	30	14.03	99	80	58	0	7	2	0

Based on 1971-2000 normals ***** Not Available**

November Weather and Crop Summary

Weather

Weather summary provided by USDA/WAOB

Highlights: In a complete reversal from October, mild, mostly dry weather prevailed across much of the nation during November. In fact, November temperatures averaged more than 10oF above normal at a few locations in the north-central U.S., while near- to slightly below-normal readings were confined to the Deep South and the Pacific Northwest. Warmth was favorable for winter grains, but especially beneficial for the emergence and establishment of late-planted soft red winter wheat from the Delta into the Ohio Valley and the lower Great Lakes region.

Following the nation's wettest October on record, large areas of the country received little precipitation during November. One exception was the Southeast, from Alabama into the southern Mid-Atlantic States, where the remnants of Hurricane Ida and several non-tropical storms disrupted cotton harvesting and other late-autumn fieldwork.

Farther west, however, dry weather for much of November in the lower Mississippi Valley allowed harvest activities to near completion. More than half (55 percent) of the nation's cotton was harvested from November 2-29, compared to the 5-year average of 32 percent, but more than three-quarters of the cotton was baled during November in Mississippi, Tennessee, and Arkansas.

Meanwhile, lingering wetness in the middle Mississippi Valley and the upper Midwest maintained a slow summer crop harvest pace. Nevertheless, more than half (54 percent) of the U.S. corn crop was harvested during the 4 weeks ending November 29, compared to the 5-year average of 26 percent. Still, the national corn harvest was just 79 percent complete by November 29, representing the least amount of progress on that date since 1992 (75 percent).

On the northern and southern Plains, November harvest activities advanced with few delays under mild, dry conditions. Dryness became a concern, however, for a portion of the southern Plains' winter wheat crop. Rain and snow caused some fieldwork delays on the central Plains, although harvest activities for crops such as corn, sorghum, and sunflowers proceeded between storms.

Elsewhere, mild, mostly dry weather promoted cotton harvesting and other autumn fieldwork in California and the Southwest, while stormy conditions affected the Pacific Northwest. At times, precipitation spread far enough inland to benefit Northwestern winter grains.

Summary: In early November, heavy rain lingered across the Mid-Atlantic States, where Danville, VA (1.78 inches), and Greensboro, NC (1.46 inches), netted daily-record totals for November 1. A day later, locally heavy showers in Florida produced a daily-record sum of 2.63 inches in Vero Beach. For the next several day, precipitation highlights were negligible, although showers occasionally overspread the Northwest. On November 7, Portland, OR (1.07 inches), received a daily-record rainfall, while Logan Pass, MT (elevation 6,775 feet), clocked a westerly wind gust to 92 m.p.h. Meanwhile, showers developed in the western Gulf Coast region, well in advance of Hurricane Ida's approach. Harlingen, TX, collected a daily-record rainfall (1.00 inch) on November 7.

Warmth continued for during the early-month period in southern Florida, where daily-record highs included 89oF (on November 3) in Miami and 87oF (on November 1) in Melbourne. Meanwhile, record-setting warmth also developed in the West and gradually spread as far east as the Plains and Midwest. In Arizona, daily-record highs for November 3 included 97oF on Picacho Peak and 96oF in Phoenix. Picacho Peak's reading was a monthly record (previously, 93oF on November 1, 2008, and several earlier dates). Two days later, monthly record highs were also tied or broken in Sidney, NE (81oF; previously, 79oF on November 8, 2006, and November 18, 2008), and Salt Lake City, UT (75oF; previously, 75oF on November 6, 1999, and November 12, 1967). On the High Plains, daily-record highs for November 5 included 80oF in Pueblo, CO, and 78oF in Valentine, MT. The following day, highs soared to 80oF as far north as Yankton, SD, while daily-record highs for November 6 elsewhere on Plains reached 88oF in Liberal, KS; 82oF in Broken Bow, NE; and 76oF in Dickinson, ND. Later, Midwestern records for November 7 included 71oF in Milwaukee, WI, and 65oF in Alpena, MI. In contrast, unusually cool air settled across the East. Daily-record lows were set or tied in a handful of locations, including Allentown, PA (23oF on November 7).

On November 5, Ida became the third hurricane of the Atlantic tropical season, shortly before reaching Nicaragua. After meandering across Nicaragua and Honduras, Ida re-entered the Caribbean Sea and returned to hurricane status by late November 7. While over the Gulf of Mexico, Ida was again downgraded before reaching the U.S. Gulf Coast. Heavy rain developed along the Gulf Coast in advance of Tropical Storm Ida's arrival. Pensacola, FL, netted a daily-record sum of 3.64 inches on November 9. On November 10, Ida reached Dauphin Island, AL, about 5:40 a.m. CST with maximum sustained winds near 45 m.p.h., then arrived on the mainland near Bon Secour, AL, at 7:00 a.m. After moving inland, Ida was quickly downgraded to a tropical depression. Nevertheless, wind gusts in excess of 30 m.p.h. were common across the Southeast, while rainfall records

for November 10 included 5.44 inches in Columbus, GA; 3.52 inches in Pinson, AL; and 2.59 inches in Chattanooga, TN. As Ida's remnants evolved into a strong, non-tropical storm on November 12-13, wind gusts of 30 to 50 m.p.h. were common in the Mid-Atlantic coastal plain. A peak gust to 75 m.p.h. was clocked in Oceana, VA, while a record-setting wave height to 26.7 feet was reported at a buoy 26 miles southeast of Cape May, NJ. Due to tidal flooding, the water level at Sewells Point, VA, peaked on November 12 at 7.74 feet above mean lower low water (MLLW), just 0.20 foot below the level attained in September 2003 during Hurricane Isabel and 1.16 feet below the high-water mark established during an August 1933 hurricane. In southeastern Virginia, storm-total rainfall amounts in excess of 10 inches were reported in locations such as Langley Air Force Base and Oceana Naval Air Station. Daily-record totals were noted on both November 11 and 12 in several locations, including Norfolk, VA (2.31 and 4.90 inches), and New Bern, NC (3.99 and 2.86 inches). By November 14, heavy rain shifted into New England, where record-setting totals for November 14 reached 5.03 inches in Portland, ME, and 2.13 inches in Providence, RI. Portland's total represented its wettest November day on record (previously, 4.70 inches on November 10, 1990).

Record warmth prevailed across the Great Lakes and Eastern States in advance of Ida's arrival. Daily-record highs for November 8 included 72oF in Grand Rapids, MI, and 78oF in both Danville, VA, and Charlotte, NC. A day later, Northeastern records for November 9 included 68oF in Montpelier, VT, and 74oF in Georgetown, DE. Later, warmth briefly shifted into the Southwest, where Phoenix, AZ (91oF), notched a daily-record high for November 10. Western records were also set in locations such as Laramie, WY (67oF on November 11), and Grand Junction, CO (68oF on November 12). Later, unusual warmth returned to the Great Lakes States, where Flint, MI (66oF), collected a record for November 14. Meanwhile, markedly cooler air arrived in the West, resulting in a daily-record low (39oF on November 14) in Camarillo, CA. In parts of the West, snow accompanied the cooler weather. In Montana, Ennis set a record for its snowiest November day, with 9.8 inches falling on November 12 (previously, 7.9 inches on November 12, 1959). Elsewhere in Montana on November 12, Bozeman received 16.2 inches of snow. Farther south, November 14-15 snowfall totaled 20 inches or more at several high-elevation locations in Colorado, including Gothic and Telluride.

In the snow's wake, chilly conditions persisted across the Southwest, where daily-record lows for November 16 included 4oF in Springerville, AZ, and 7oF in Roosevelt, UT. The following day, however, record-setting warmth arrived across the northern High Plains and the Northwest. Records for November 17 reached 71oF in Havre, MT, and 67oF in Walla Walla, WA. Havre posted another daily-record high (65oF) on November 20. Meanwhile, cool conditions returned to the Far West, where the Oakland Airport in central California registered a daily-record low of 38oF on November 21. Farther east, Rochester, MN, experienced its warmest November 1-21 period since 2001.

Meanwhile, heavy precipitation hammered the Pacific Northwest. November 15-21 rainfall totaled 14.91 inches in Quillayute, WA, aided by a daily-record total of 3.31 inches on the 16th. Snow fell at higher elevations, with a depth of 91 inches reported by November 21 at Timberline Lodge on the slopes of Oregon's Mt. Hood. High winds accompanied the precipitation, resulting in a gust to 92 m.p.h. on November 16 on the Oregon coast at Cape Blanco. Two days later, a gust to 107 m.p.h. was clocked at an automated weather station in western Washington's Olympic Mountains on Hurricane Ridge. Meanwhile, a slow-moving storm dropped snow on parts of the central Plains and unwelcome rain in the central Corn Belt. November 13-15 snowfall totals reached 9.3 inches in Denver, CO, and 6.5 inches in Cheyenne, WY. Concordia, KS, received a daily-record snowfall (3.5 inches) on November 16. Daily-record rainfall totals for November 16 included 1.72 inches in St. Louis, MO, and 1.53 inches in Ottumwa, IA. By November 19, heavy rain shifted into the East, where Buffalo, NY (1.49 inches), netted a daily-record sum. Farther south, a separate area of heavy rain developed over the western Gulf Coast region and drifted northeastward. On November 20, daily-record amounts in Texas reached 2.45 inches in both Galveston and Corpus Christi. In Rockport, TX, rainfall totaled 9.94 inches in a 24-hour period on November 19-20.

Late in the month, unsettled weather continued across the Northwest and the Intermountain West. On November 22, snowfall totals included 10.0 inches in Alta, UT, and 3.2 inches in Spokane, WA. A few days later, unfavorable wetness returned to parts of the Midwest. In Iowa, daily-record rainfall totals were established on November 24 in locations such as Dubuque (1.31 inches) and Des Moines (0.91 inch). By November 25, rain swept into the lower Southeast, where daily-record amounts in Florida reached 5.05 inches in Key West and 1.21 inches in Gainesville. On Thanksgiving Day, November 26, another round of heavy precipitation in the Northwest resulted in a daily-record rainfall of 1.34 inches in Seattle, WA. Toward month's end, mild, dry weather prevailed across the nation's mid-section, while stormy weather affected both the East and West Coast States. On November 28, wind gusts to 53 m.p.h. were clocked in Vacaville, CA, and Albany, NY. Late-month snowfall accumulations were reported as far south as southern California, where 4 inches fell in Frazier Park. With a November 28 rainfall total of 0.21 inch, Barstow-Daggett, CA, experienced its first measurable precipitation since July 19 and wettest day since February 7. Meanwhile, at least a foot of snow fell in parts of northern New England, where Diamond Pond, NH, received 13.0 inches. In contrast, November snowfall totaled just 4.6 inches (20 percent of normal) in Marquette, MI.

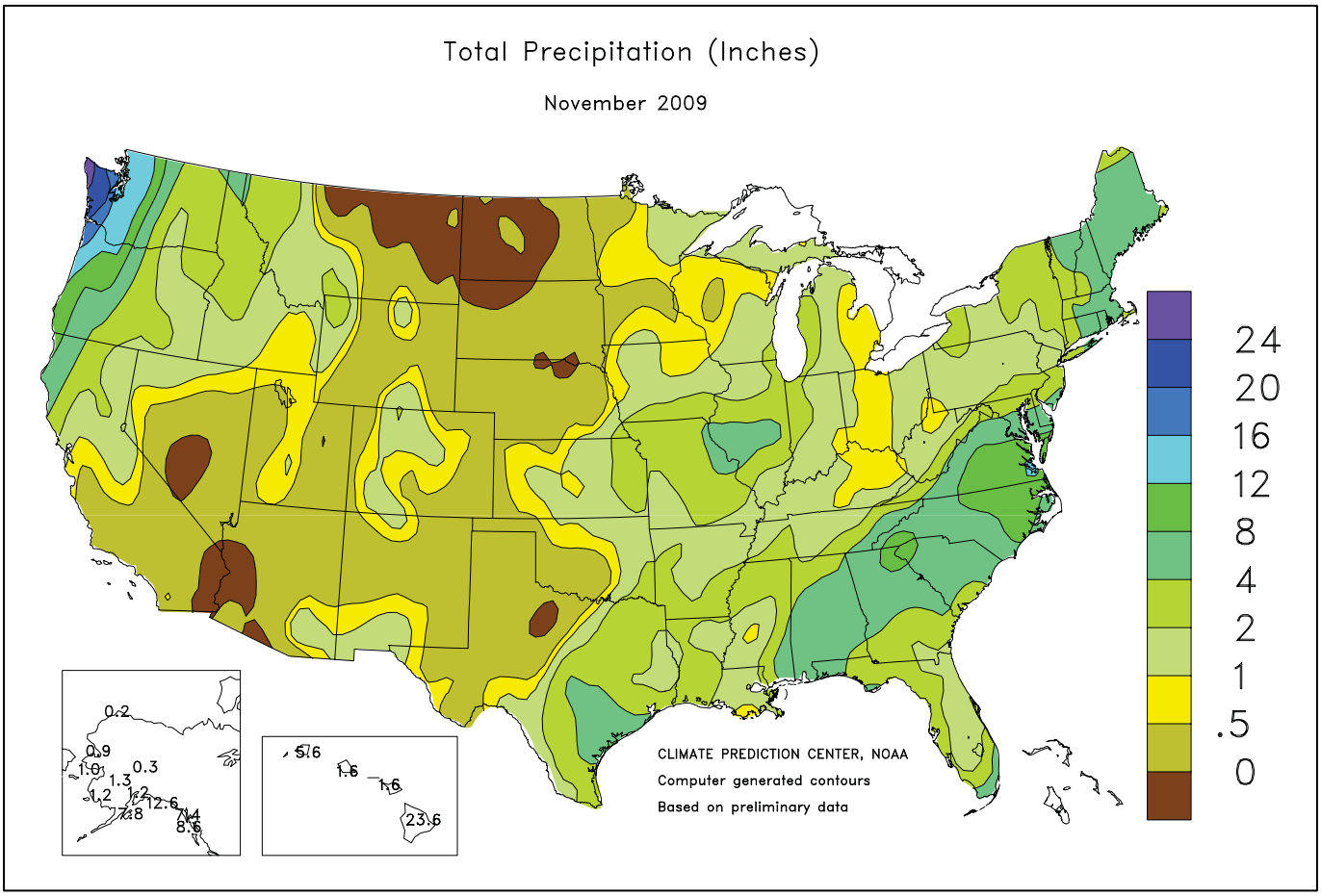
Warmth lingered toward month's end across the lower Southeast, where Miami, FL (87oF), posted a daily record-tying high for November 23. Later, seasonably cold air settled across the Mid-South and the Southeast. Jackson, MS (32oF on November 26), experienced its first autumn freeze 17 days later than the normal date of November 9 and just 11 days earlier than the record-late date of December 7, 1973. St. Louis, MO, having avoided an official freeze during the October cold snap, set a record for its latest first freeze (31oF on November 27). The previous record-late first freeze in St. Louis occurred on November 26, 1902. Similarly, Des Moines, IA (27oF on November 26), set a record for its latest sub-30oF temperature (previously, November 16, 1983) and latest sub-28oF reading (previously, November 24, 1958). Farther west, however, record-setting warmth expanded from the Pacific Northwest to the central Plains. Bellingham, WA (59oF), notched a daily-record high for November 25, followed 2 days later by records in locations such as Hill City, KS (76oF), and Imperial, NE (73oF). At month's end, however, there were signs of a change toward a colder, wetter weather pattern. In western Texas, for example, El Paso received a daily-record snowfall (2.5 inches) on November 30—the start of a 4-day period that featured 7.8 inches of snow.

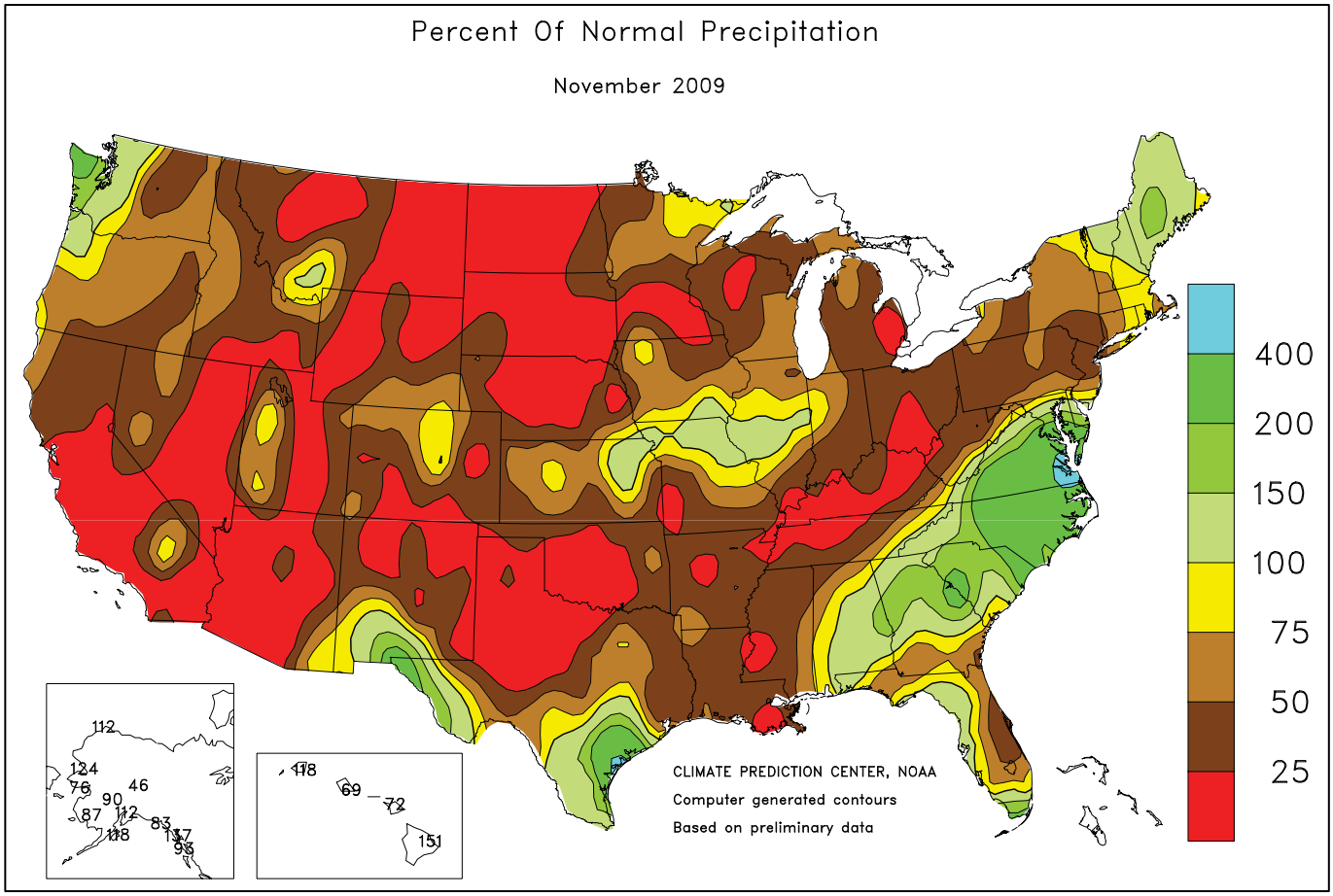
For the month as a whole, there were some interesting contrasts to October. For example, Paducah, KY, followed its wettest October (10.55 inches) with its driest November (0.56 inch; previously, 0.79 inch in 1949). Record November dryness was also noted in Jackson, KY (0.80 inch; previously, 1.45 inches in 1981). Meanwhile in Billings, MT, where it was the seventh-warmest November, the November average temperature of 41.7oF exceeded the October average of 41.2oF. Elsewhere in Montana, Glasgow—with monthly precipitation of a trace—experienced its driest November since 1969 and driest month since August 2001. In Iowa, November snowfall averaged a trace, tying a state record most recently set in 1963. November wetness was mostly confined to the Pacific Northwest and the Southeast, where November rainfall records were established in locations such as Richmond, VA (9.60 inches), and Norfolk, VA (9.20 inches). In western Washington, Quillayute (26.55 inches) observed its second-wettest November behind 1983 (29.14 inches). It was also the second-wettest November in Hoquiam, WA, where 18.53 inches fell. Hoquiam's wettest November, with 21.17 inches, occurred in 2006.

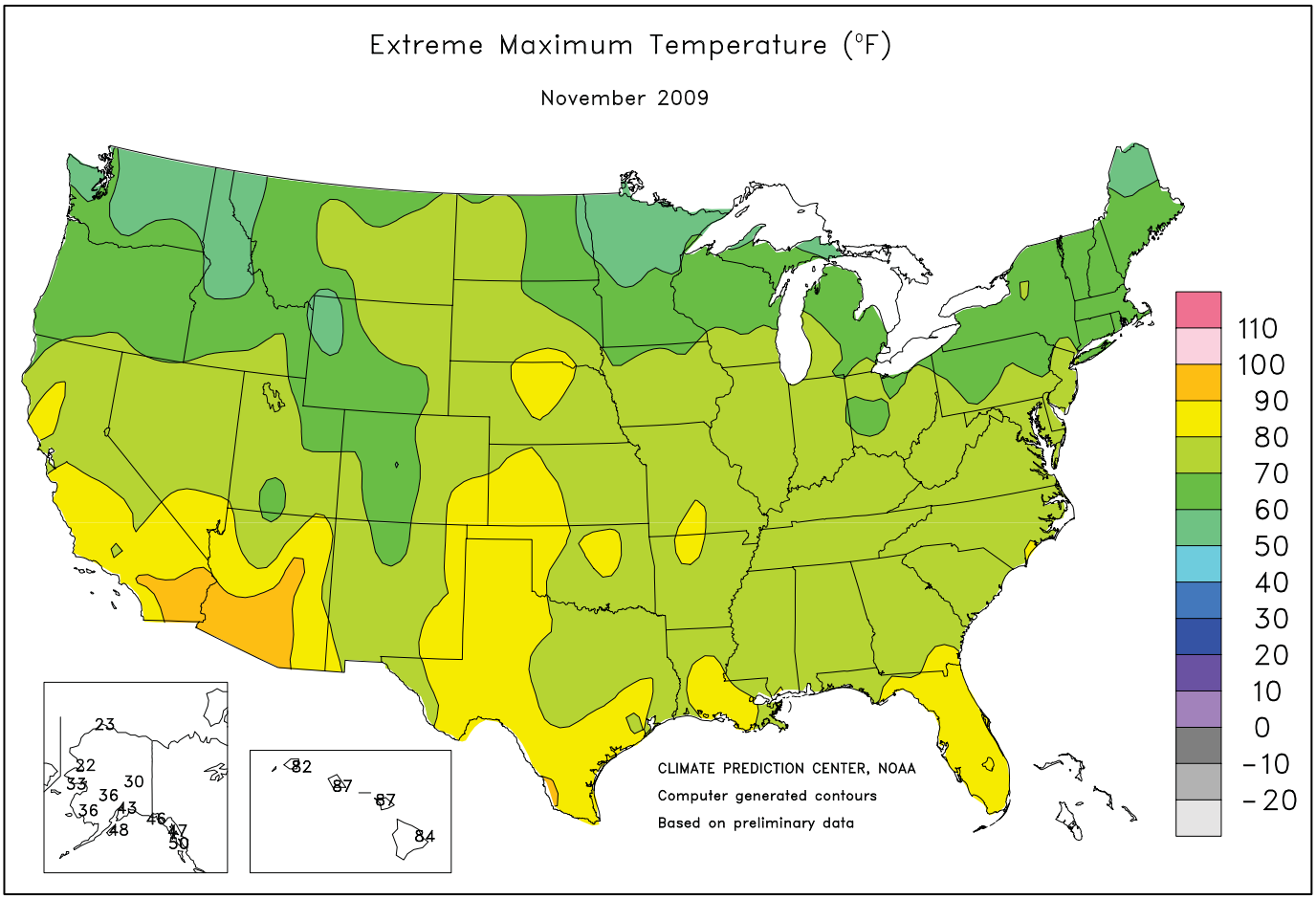
During November, cold, occasionally stormy weather engulfed much of Alaska. Monthly temperatures averaged as much as 8oF below normal across western Alaska, while drier-than-normal conditions were mostly confined to parts of interior Alaska. Fairbanks reported its first sub-zero reading (-1oF) on October 31, three days later than normal, followed by additional sub-zero temperatures on November 1, 2, 3, and 7. Significant early-month precipitation was mainly confined to southern Alaska, where Kodiak received 4.43 inches of rain from November 3-5. Later, Fairbanks received measurable snow on 6 consecutive days from November 10-15, totaling 5.2 inches. Bettles was buried by 23.7 inches of snow on November 11-12. With 14.2 inches on November 12, Bettles experienced its second-earliest daily total in excess of a foot, behind 14.0 inches on November 9, 1992. Mid-November Alaskan daily-snowfall records included 8.2 inches (on November 11) in Kotzebue and 5.3 inches (on November 14) in Juneau. Following that storminess, bitterly cold, dry air settled across the Alaskan mainland, where Bettles notched five daily-record lows during the week of November 15-21. Bettles' lowest reading, -47oF, occurred on November 21. Other daily records included -20oF (on November 17) in King Salmon and -38oF (on November 20) in McGrath. Late in the month, bitterly cold weather persisted across western Alaska. Meanwhile, mild, sometimes stormy conditions returned to parts of the mainland. In Anchorage, the November total climbed to 14.1 inches (124 percent of normal). In Fairbanks, however, where temperatures rebounded from -33 to 30oF between November 22 and 27, November snowfall totaled 7.4 inches (54 percent of normal) and the season-to-date sum stood at just 12.9 inches (45 percent).

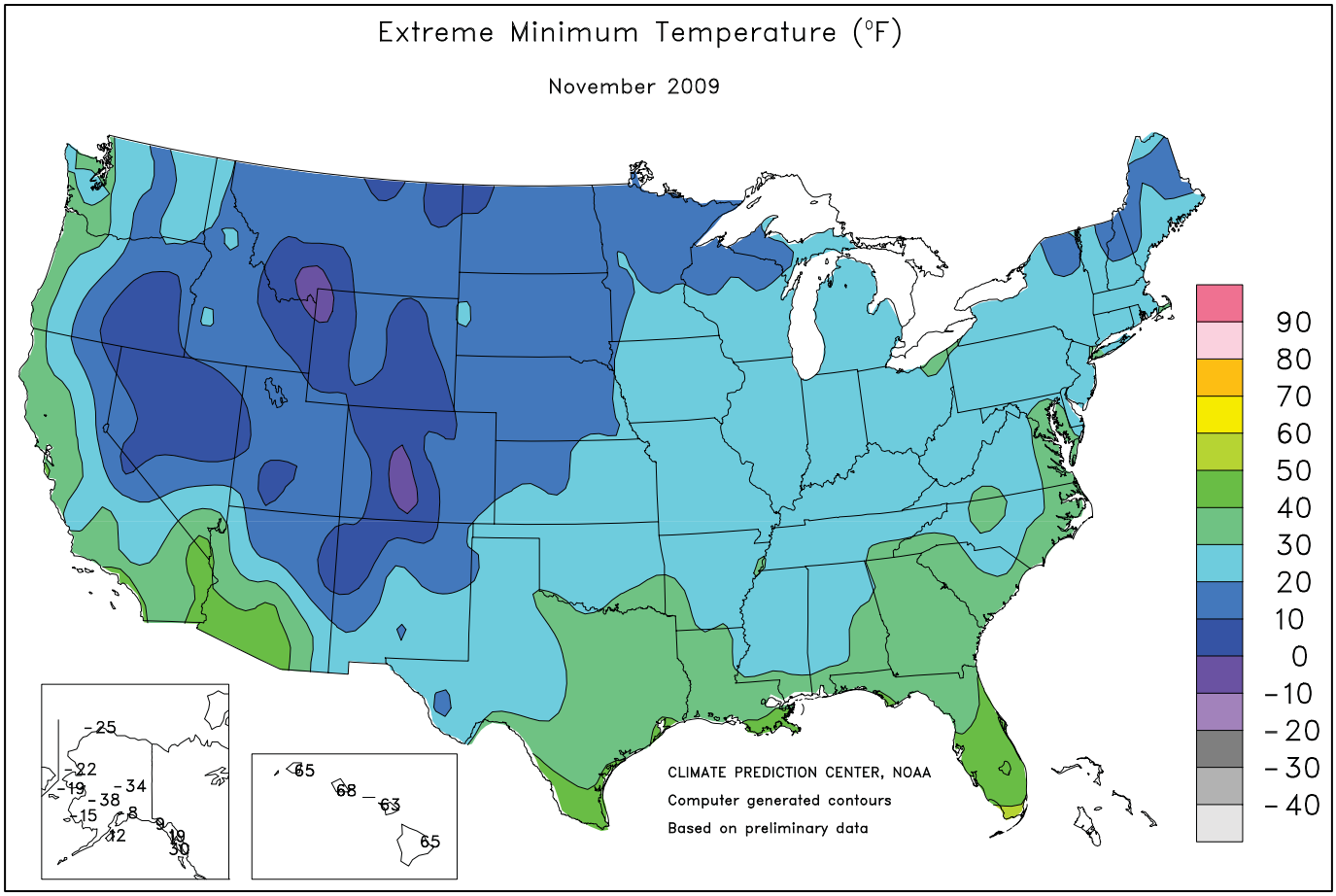
Several episodes of heavy rain affected Hawaii during November. On the Big Island, Hilo netted an 8.63-inch sum on November 13-14. Mid-month rainfall was especially heavy on Kauai. During a 24-hour period on November 14-15, Kauai totals reached 13.49 inches in Kapahi, 13.16 inches at Hanalei River, and 12.24 inches on Mount Waialeale. Locally heavy showers returned toward month's end, when 24-hour totals on November 25-26 topped 6 inches in locations such as Oahu's Manoa Lyon Arboretum (6.85 inches) and Kapahi, Kauai (6.07 inches). On November 26-27, 24-hour totals reached 4.76 inches at West Wailuaiki, Maui, and 4.42 inches on the Big Island at Pahoa. Elsewhere on the Big Island, Hilo's November rainfall totaled 23.60 inches (151 percent of normal). Other monthly totals included 60.67 inches (173 percent of normal) on Mount Waialeale and 37.02 inches (222 percent of normal) at the Oahu Forest National Wildlife Refuge.

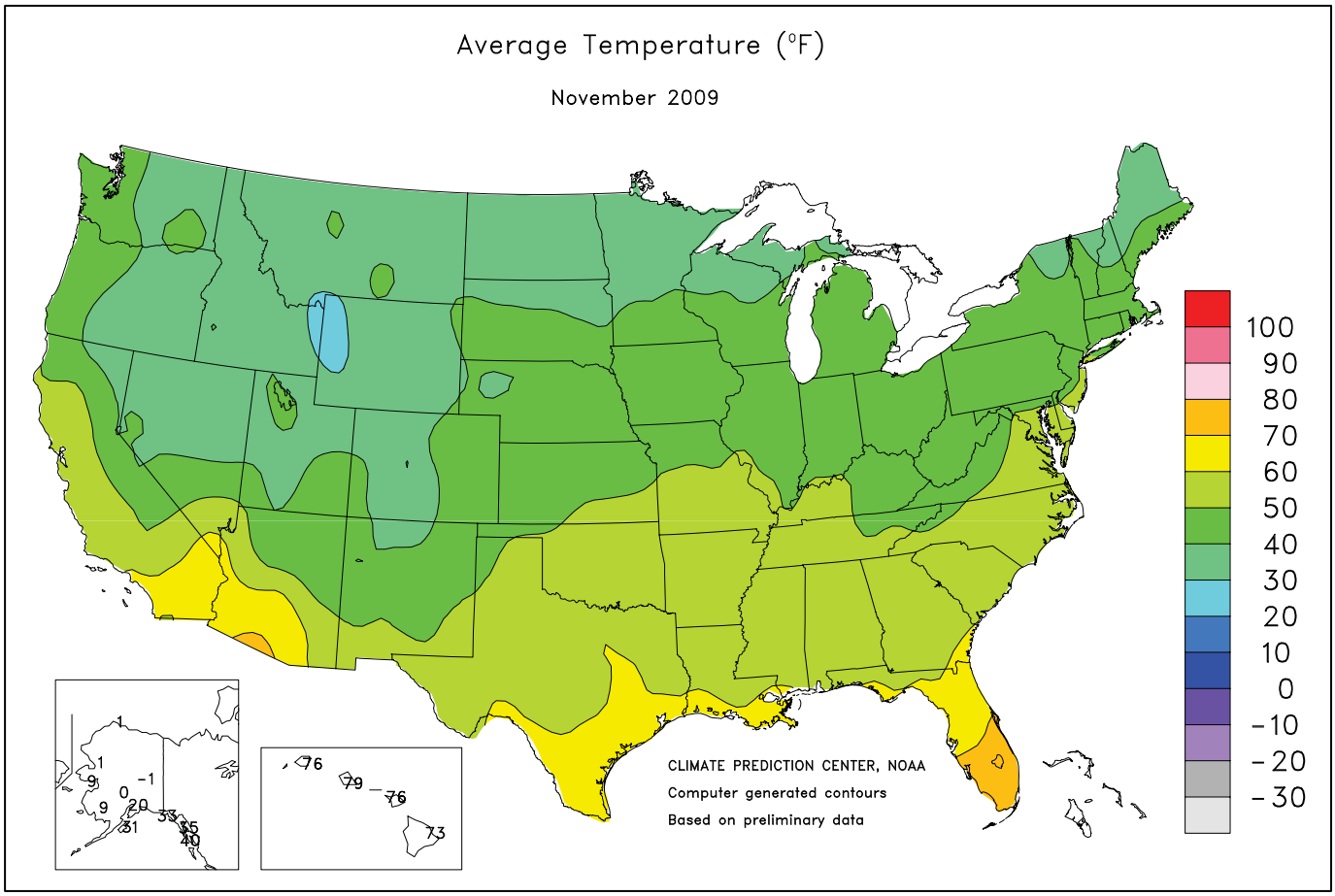
Note: The "Nov. Crop Summary" will appear next week.

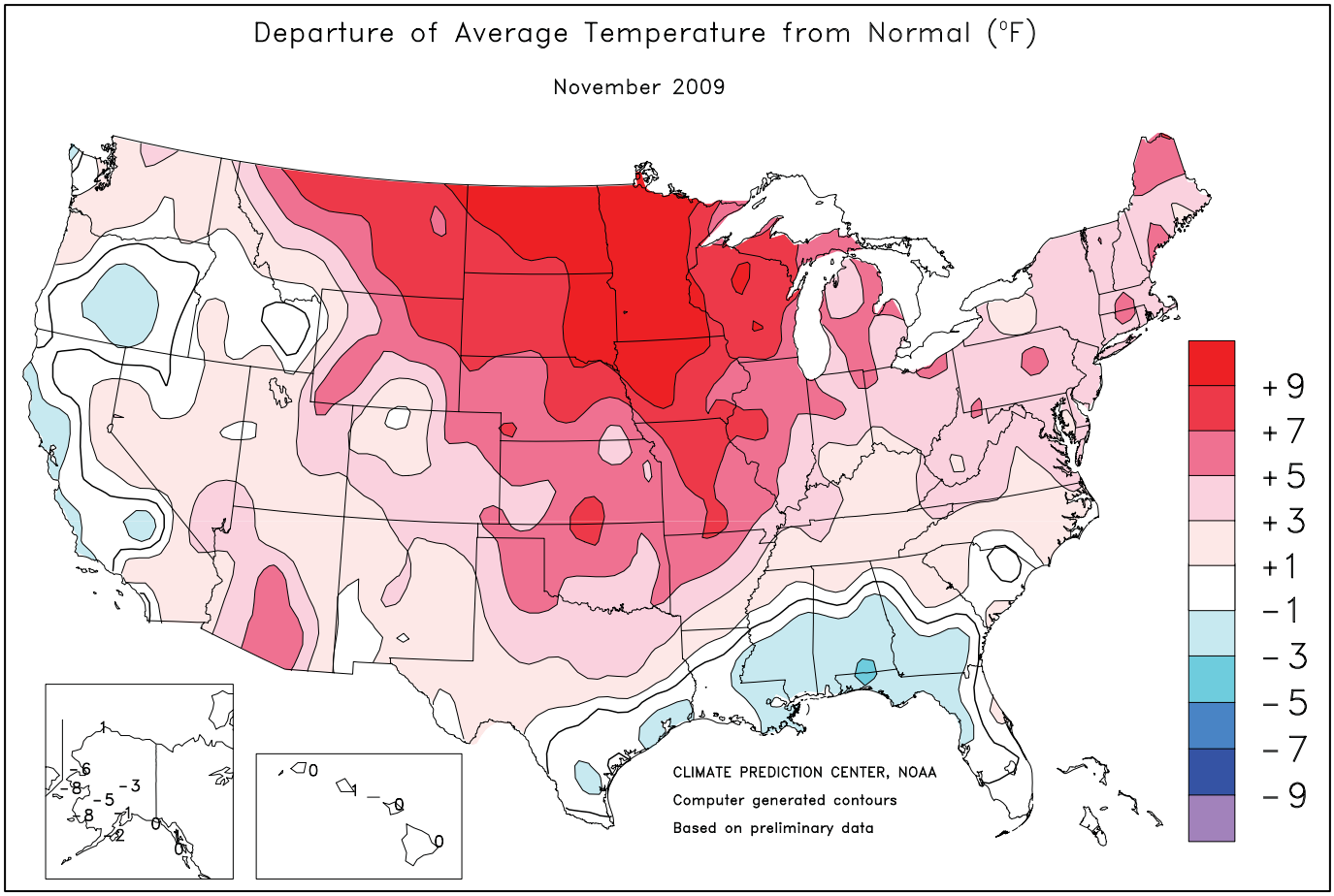

Total Precipitation (Inches)
November 2009
24
20
16
12
8
4
2
1
.5
0
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data


Percent Of Normal Precipitation
November 2009
400
200
150
100
75
50
25
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data


Extreme Maximum Temperature (°F)
November 2009
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
23
22
33
30
36
36
43
46
48
47
50
82
87
87
84
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data


Extreme Minimum Temperature (°F)
November 2009
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-25
22
-19
-34
-38
-15
8
12
9
19
30
65
68
63
65
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data


Average Temperature (°F)
November 2009
100
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data


Departure of Average Temperature from Normal (°F)
November 2009
+9
+7
+5
+3
+1
-1
-3
-5
-7
-9
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

TEMPERATURE AND PRECIPITATION SUMMARY

November 2009

STATES AND STATIONS	TEMP, °F		PRECIP.		STATES AND STATIONS	TEMP, °F		PRECIP.		STATES AND STATIONS	TEMP, °F		PRECIP.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	54	1	5.33	0.70	LEXINGTON	48	2	0.96	-2.48	COLUMBUS	48	4	0.42	-2.77
HUNTSVILLE	53	2	3.01	-2.21	LONDON-CORBIN	48	1	0.62	-3.28	DAYTON	46	4	0.93	-2.37
MOBILE	58	-1	4.48	-0.93	LOUISVILLE	51	3	1.04	-2.76	MANSFIELD	45	5	0.87	-2.89
MONTGOMERY	54	-2	4.08	-0.45	PADUCAH	51	4	0.56	-3.97	TOLEDO	45	5	0.67	-2.11
AK ANCHORAGE	20	-2	1.22	0.13	LA BATON ROUGE	59	0	1.53	-3.23	YOUNGSTOWN	46	5	0.92	-2.15
BARROW	1	2	0.18	0.02	LAKE CHARLES	61	1	2.60	-2.01	OK OKLAHOMA CITY	54	5	0.29	-1.82
COLD BAY	32	-3	4.78	-0.01	NEW ORLEANS	61	0	1.02	-4.07	TULSA	55	5	0.58	-2.89
FAIRBANKS	-1	-3	0.31	-0.37	SHREVEPORT	58	2	1.42	-3.26	OR ASTORIA	49	2	16.70	6.20
JUNEAU	35	2	7.43	2.00	ME BANGOR	40	3	4.23	0.54	BURNS	32	-1	0.52	-0.59
KING SALMON	17	-6	0.97	-0.57	CARIBOU	37	6	3.76	0.64	EUGENE	45	0	5.63	-2.81
KODIAK	31	-3	7.83	1.20	PORTLAND	43	5	7.74	3.02	MEDFORD	43	-1	1.22	-1.71
NOME	9	-8	0.97	-0.31	MD BALTIMORE	49	3	4.94	1.82	PENDLETON	42	1	0.91	-0.72
AZ FLAGSTAFF	39	2	0.88	-0.98	MA BOSTON	49	4	3.34	-0.64	PORTLAND	48	2	5.13	-0.48
PHOENIX	67	5	0.01	-0.72	WORCESTER	44	4	3.41	-0.93	SALEM	47	2	8.02	1.63
TUCSON	65	6	0.13	-0.54	MI ALPENA	40	5	0.82	-1.26	PA ALLENTOWN	47	5	1.12	-2.58
AR FORT SMITH	56	5	1.59	-3.21	DETROIT	45	4	0.62	-2.04	ERIE	46	3	1.35	-2.61
LITTLE ROCK	55	3	1.20	-4.53	FLINT	42	4	0.58	-2.07	MIDDLETOWN	48	4	1.61	-1.91
CA BAKERSFIELD	56	1	0.10	-0.49	GRAND RAPIDS	44	6	1.48	-1.87	PHILADELPHIA	51	4	2.06	-1.10
EUREKA	49	-2	4.15	-1.63	HOUGHTON LAKE	40	5	1.20	-0.94	PITTSBURGH	47	5	0.96	-2.06
FRESNO	54	1	0.20	-0.90	LANSING	43	5	0.99	-1.67	WILKES-BARRE	45	3	1.16	-1.96
LOS ANGELES	62	0	0.00	-1.13	MUSKEGON	44	5	1.47	-1.76	WILLIAMSPORT	47	6	1.85	-1.77
REDDING	51	0	0.67	-3.36	TRAVERSE CITY	42	5	1.30	-1.37	PR SAN JUAN	81	1	12.14	5.97
SACRAMENTO	53	0	0.26	-1.93	MN DULUTH	38	10	1.15	-0.97	RI PROVIDENCE	49	5	4.42	0.02
SAN DIEGO	61	-1	0.12	-0.95	INT'L FALLS	34	10	1.20	-0.16	SC CHARLESTON	59	1	2.25	-0.41
SAN FRANCISCO	57	2	0.20	-2.29	MINNEAPOLIS	43	10	0.38	-1.56	COLUMBIA	55	0	4.25	1.37
STOCKTON	53	0	0.12	-1.65	ROCHESTER	43	12	0.45	-1.56	FLORENCE	55	0	4.75	2.16
CO ALAMOSA	33	5	0.11	-0.37	ST. CLOUD	39	10	0.35	-1.19	GREENVILLE	54	3	5.76	1.97
CO SPRINGS	42	6	0.45	-0.07	MS JACKSON	55	0	0.89	-4.15	MYRTLE BEACH	57	0	6.06	3.09
DENVER	43	6	0.49	-0.11	MERIDIAN	53	-3	2.53	-2.42	SD ABERDEEN	38	9	0.22	-0.53
GRAND JUNCTION	41	3	0.05	-0.66	TUPELO	53	2	2.24	-2.77	HURON	40	9	0.07	-0.82
PUEBLO	43	5	0.07	-0.51	MO COLUMBIA	50	7	1.87	-1.60	RAPID CITY	40	7	0.17	-0.44
CT BRIDGEPORT	48	3	2.51	-1.14	JOPLIN	52	5	0.61	-3.45	SIOUX FALLS	41	10	0.17	-1.19
HARTFORD	46	4	2.27	-1.79	KANSAS CITY	50	7	2.25	-0.05	TN BRISTOL	48	2	3.00	-0.08
DC WASHINGTON	52	3	4.42	1.39	SPRINGFIELD	51	5	1.13	-3.33	CHATTANOOGA	53	3	3.74	-1.14
DE WILMINGTON	49	3	2.32	-0.87	ST JOSEPH	47	5	2.24	0.08	JACKSON	52	2	1.28	-3.79
FL DAYTONA BEACH	68	1	0.60	-2.43	ST LOUIS	52	7	3.11	-0.60	KNOXVILLE	51	2	3.58	-0.40
FT LAUDERDALE	75	1	1.99	-2.58	MT BILLINGS	42	8	0.17	-0.58	MEMPHIS	55	3	1.37	-4.39
FT MYERS	72	0	1.17	-0.54	BUTTE	29	2	0.16	-0.44	NASHVILLE	51	2	0.67	-3.78
JACKSONVILLE	62	0	0.85	-1.49	GLASGOW	37	9	0.00	-0.39	TX ABILENE	57	3	0.02	-1.28
KEY WEST	76	0	6.63	3.99	GREAT FALLS	40	8	0.02	-0.57	AMARILLO	50	5	0.26	-0.42
MELBOURNE	69	0	0.37	-2.75	HELENA	37	6	0.13	-0.35	AUSTIN	58	-2	2.80	0.12
MIAMI	76	2	2.97	-0.46	KALISPELL	***	***	0.37	-1.08	BEAUMONT	61	0	1.16	-3.59
ORLANDO	69	0	1.02	-1.30	MILES CITY	40	8	0.00	-0.52	BROWNSVILLE	68	0	1.46	-0.29
PENSACOLA	60	-1	4.85	0.39	MISSOULA	35	3	0.29	-0.67	COLLEGE STATION	62	2	3.42	0.24
ST PETERSBURG	69	-1	2.80	0.76	NE GRAND ISLAND	44	8	0.17	-1.24	CORPUS CHRISTI	65	0	3.85	2.11
TALLAHASSEE	59	-1	2.27	-1.59	HASTINGS	44	7	0.21	-1.25	DALLAS/FT WORTH	60	5	1.76	-0.81
TAMPA	69	0	2.82	1.20	LINCOLN	44	6	0.06	-1.52	DEL RIO	61	1	0.71	-0.25
WEST PALM BEACH	73	0	3.65	-1.90	MCCOOK	44	6	0.24	-0.85	EL PASO	55	2	0.96	0.54
GA ATHENS	55	2	5.17	1.46	NORFOLK	43	8	0.40	-1.04	GALVESTON	65	0	3.97	0.33
ATLANTA	54	1	5.75	1.65	NORTH PLATTE	40	5	0.08	-0.68	HOUSTON	63	2	1.66	-2.53
AUGUSTA	56	2	5.61	2.93	OMAHA/EPPLEY	46	8	0.36	-1.46	LUBBOCK	53	5	0.13	-0.58
COLUMBUS	55	-2	6.75	2.78	SCOTTSBLUFF	40	6	0.30	-0.50	MIDLAND	54	2	0.04	-0.61
MACON	55	0	3.89	0.67	VALENTINE	40	7	0.05	-0.67	SAN ANGELO	57	3	0.01	-1.09
SAVANNAH	59	0	2.31	-0.09	NV ELKO	35	0	0.01	-1.04	SAN ANTONIO	61	1	2.08	-0.50
HI HILO	73	-1	23.60	8.02	ELY	34	1	0.00	-0.63	VICTORIA	63	0	5.79	3.15
HONOLULU	79	1	1.56	-0.70	LAS VEGAS	59	4	0.02	-0.29	WACO	60	3	1.69	-0.92
KAHULUI	76	0	1.55	-0.62	RENO	44	3	0.24	-0.56	WICHITA FALLS	56	4	0.06	-1.62
LIHUE	76	0	5.55	0.85	WINNEMUCCA	37	0	0.41	-0.39	UT SALT LAKE CITY	41	1	0.20	-1.20
ID BOISE	41	1	0.71	-0.67	NH CONCORD	42	4	3.32	-0.25	VT BURLINGTON	42	5	2.98	-0.08
LEWISTON	42	2	0.71	-0.50	NJ ATLANTIC CITY	51	5	3.12	-0.14	VA LYNCHBURG	49	2	8.18	5.00
POCATELLO	34	-1	0.12	-1.01	NEWARK	51	5	1.20	-2.68	NORFOLK	55	3	9.20	6.22
IL CHICAGO/O'HARE	45	6	1.23	-1.78	NM ALBUQUERQUE	47	3	0.04	-0.58	RICHMOND	53	4	9.60	6.54
MOLINE	46	7	1.60	-1.13	NY ALBANY	43	4	2.17	-1.11	ROANOKE	51	4	7.44	4.23
PEORIA	47	7	2.89	-0.10	BINGHAMTON	43	5	1.63	-1.69	WASH/DULLES	50	5	3.71	0.40
ROCKFORD	44	7	1.44	-1.19	BUFFALO	44	4	2.94	-0.98	WA OLYMPIA	45	3	10.08	1.95
SPRINGFIELD	49	7	3.48	0.61	ROCHESTER	42	2	1.13	-1.71	QUILLAYUTE	45	1	26.55	11.73
IN EVANSVILLE	50	4	1.22	-2.96	SYRACUSE	43	3	2.16	-1.61	SEATTLE-TACOMA	47	2	8.96	3.06
FORT WAYNE	46	5	1.14	-1.84	NC ASHEVILLE	49	3	5.26	1.44	SPOKANE	37	2	1.31	-0.93
INDIANAPOLIS	47	4	1.16	-2.45	CHARLOTTE	53	1	5.08	1.72	YAKIMA	38	1	0.55	-0.50
SOUTH BEND	44	4	1.32	-2.07	GREENSBORO	52	3	7.86	4.90	WV BECKLEY	46	3	1.90	-0.98
IA BURLINGTON	48	7	2.29	-0.43	HATTERAS	58	0	6.51	1.58	CHARLESTON	49	3	0.74	-2.92
CEDAR RAPIDS	44	7	1.61	-0.63	RALEIGH	53	2	6.91	3.94	ELKINS	46	5	0.84	-2.58
DES MOINES	47	9	1.30	-0.80	WILMINGTON	58	2	4.85	1.59	HUNTINGTON	49	3	0.79	-2.53
DUBUQUE	43	7	1.69	-0.80	ND BISMARCK	38	10	0.04	-0.66	WI EAU CLAIRE	40	8	0.56	-1.36
SIOUX CITY	43	8	0.81	-0.59	DICKINSON	37	8	0.02	-0.57	GREEN BAY	42	8	1.38	-0.89
WATERLOO	42	7	0.61	-1.49	FARGO	38	11	0.41	-0.65	LA CROSSE	43	8	0.58	-1.52
KS CONCORDIA	46	5	0.79	-0.66	GRAND FORKS	36	10	0.29	-0.70	MADISON	42	7	1.32	-0.99
DODGE CITY	47	5	0.66	-0.35	JAMESTOWN	36	9	0.15	-0.56	MILWAUKEE	45	7	1.80	-0.90
GOODLAND	43	6	0.58	-0.24	MINOT	38	11	0.00	-0.86	WAUSAU	40	8	0.65	-1.55
HILL CITY	45	5	0.56	-0.18	WILLISTON	36	10	0.02	-0.63	WY CASPER	38	6	0.05	-0.77
TOPEKA	49	6	2.23	-0.08	OH AKRON-CANTON	46	5	1.13	-1.91	CHEYENNE	38	5	0.49	-0.15
WICHITA	50	6	0.56	-1.26	CINCINNATI	47	2	0.92	-2.54	LANDER	36	6	0.01	-0.98
KY JACKSON	51	3	0.80	-3.40	CLEVELAND	48	6	1.45	-1.93	SHERIDAN	38	7	0.26	-0.54

Based on 1971-2000 normals

***** Not Available**

National Agricultural Summary

November 30 – December 6, 2009

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Cool temperatures prevailed across much of the country during the past week, falling to as many as 15 degrees below average in western Texas. In contrast, areas from the Great Lakes eastward to the Atlantic Coast and southward into Florida experienced warmer than normal temperatures, with locations in New England as many as 10 degrees above average. While much of the western half of the Nation was dry, allowing producers to continue their late season crop harvest, regions stretching from Texas through the Delta and Southeast and up the Atlantic Coast received above average precipitation.

Corn: Nationally, corn harvest advanced to 88 percent complete by week's end. Harvest was most active in the Great Lakes, Corn Belt, and northern and central Great Plains. Mostly dry weather promoted fieldwork and allowed producers in the Dakotas to combine 13 percent or more of their crop during the week; however, overall progress in these States remained over 3 weeks behind normal.

Winter Wheat: Emergence advanced 4 points during the week, to 93 percent complete by December 6. Emergence was complete or nearly complete in all estimating States except California, Illinois, Missouri, and North Carolina. Overall, 63 percent of the winter wheat crop was reported in good to excellent condition, unchanged from ratings last week.

Cotton: Producers had harvested 88 percent of the Nation's cotton crop by week's end. Harvest was most active in Kansas during the week, where producers utilized 6 days suitable for fieldwork to harvest 15 percent of their crop.

Sorghum: Harvest advanced 7 points during the week to 94 percent complete by December 6. With the exceptions of Arkansas, Louisiana, and New Mexico where harvest was complete, harvest was active across the major sorghum-producing regions.

Other Crops: Peanut harvest crept forward during the week as producers in Alabama, Florida, Georgia, and Oklahoma continued to slowly harvest their 2009 crop. Nationally, 94 percent of the crop was dug and combined by week's end.

Sunflower producers harvested 4 percent of their crop during the week, leaving overall progress at 94 percent complete by December 6. Harvest was most active in Kansas where dry conditions provided ample time for fieldwork.

Crop Progress and Condition

Week Ending December 6, 2009

Weekly U.S. Progress and Condition Tables provided by USDA/NASS

Corn Percent Harvested

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
CO	88	79	99	97
IL	85	72	100	100
IN	91	84	100	100
IA	94	87	NA	NA
KS	94	89	100	100
KY	99	99	100	100
MI	86	76	99	97
MN	87	78	100	99
MO	92	85	98	99
NE	88	78	NA	NA
NC	100	100	100	100
ND	53	40	79	93
OH	94	85	100	99
PA	82	81	NA	NA
SD	73	58	92	98
TN	99	99	100	100
TX	100	100	100	100
WI	77	67	NA	NA
18 Sts	88	79	NA	NA

These 18 States harvested 94% of last year's corn acreage.

Winter Wheat Percent Emerged

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
AR	90	65	95	91
CA	78	68	44	40
CO	99	99	99	100
ID	100	99	100	100
IL	87	70	100	100
IN	95	78	100	99
KS	94	92	100	100
MI	100	100	100	97
MO	64	53	84	91
MT	93	92	NA	NA
NE	100	100	NA	NA
NC	55	49	70	72
OH	98	95	100	100
OK	97	93	NA	NA
OR	100	100	100	100
SD	100	100	100	100
TX	90	84	90	86
WA	96	96	100	100
18 Sts	93	89	NA	NA

These 18 States planted 87% of last year's winter wheat acreage.

Cotton Percent Harvested

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
AL	77	73	100	96
AZ	83	78	74	81
AR	98	96	100	99
CA	99	95	100	99
GA	76	67	NA	NA
KS	43	28	59	71
LA	100	98	100	100
MS	98	96	100	100
MO	94	86	100	98
NC	91	80	97	96
OK	59	50	NA	NA
SC	93	90	NA	NA
TN	95	92	100	100
TX	87	83	79	77
VA	90	85	94	97
15 Sts	88	83	NA	NA

These 15 States harvested 99% of last year's cotton acreage.

Sorghum Percent Harvested

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	79	70	98	95
IL	95	91	100	100
KS	90	79	97	99
LA	100	100	100	100
MO	94	88	95	98
NE	87	78	NA	NA
NM	100	100	100	88
OK	93	85	NA	NA
SD	98	93	97	99
TX	98	94	98	95
11 Sts	94	87	NA	NA

These 11 States harvested 97% of last year's sorghum acreage.

Sunflower Percent Harvested

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
CO	88	80	98	100
KS	83	71	96	99
ND	97	93	99	99
SD	96	93	89	97
4 Sts	94	90	96	99

These 4 States harvested 86% of last year's sunflower acreage.

Peanuts Percent Harvested

	Dec 6 2009	Prev Week	Prev Year	5-Yr Avg
AL	67	64	100	98
FL	99	98	100	100
GA	97	93	NA	NA
NC	100	100	100	100
OK	96	95	NA	NA
SC	100	100	100	100
TX	100	99	99	97
VA	100	100	100	100
8 Sts	94	92	NA	NA

These 8 States harvested 98% of last year's peanut acreage.

Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	4	13	54	25	4
CA	0	0	5	50	45
CO	0	4	14	53	29
ID	0	0	14	77	9
IL	2	17	39	40	2
IN	2	4	48	42	4
KS	1	4	26	54	15
MI	1	6	35	50	8
MO	0	9	55	35	1
MT	2	6	48	38	6
NE	0	1	29	62	8
NC	3	12	33	49	3
OH	0	2	28	57	13
OK	0	1	18	53	28
OR	0	0	41	51	8
SD	1	3	23	64	9
TX	4	10	41	41	4
WA	4	10	37	37	12
18 Sts	1	5	31	50	13
Prev Wk	1	5	31	50	13
Prev Yr	NA	NA	NA	NA	NA

VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
*** Revised**

National crop conditions for selected States are weighted based on the year 2008 planted acres.

International Weather and Crop Summary

November 29 - December 5, 2009

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

FSU-WESTERN: Unseasonably warm weather promoted additional late winter grain growth but kept most of the region devoid of snow cover.

EUROPE: Unsettled weather prevailed over most of Europe, with much-needed rainfall benefiting winter grains in Spain.

MIDDLE EAST: Mostly sunny skies in central growing areas contrasted with periods of rain in western Turkey and eastern Iran.

NORTHWEST AFRICA: Much-needed rain improved prospects for winter grains in Morocco and western Algeria.

SOUTH ASIA: Seasonably dry weather continued across major winter growing areas.

EAST ASIA: Drier weather prevailed for dormant winter crops in China.

SOUTHEAST ASIA: Sunny, warm weather favored crop development and fieldwork across the Philippines and Vietnam, while flooding rains occurred in Malaysia and parts of Indonesia.

AUSTRALIA: Dry weather overspread southeastern Australia, allowing winter grain harvesting to resume following 2 weeks of wet weather.

ARGENTINA: Wet weather continued, improving conditions for emerging summer crops in most growing areas.

BRAZIL: Excessive rainfall persisted in the south, slowing fieldwork but otherwise keeping crops abundantly watered.

SOUTH AFRICA: Conditions remained overall favorable for emerging summer crops in the eastern half of the corn belt.

November 2009

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA

*** DATA NOT AVAILABLE

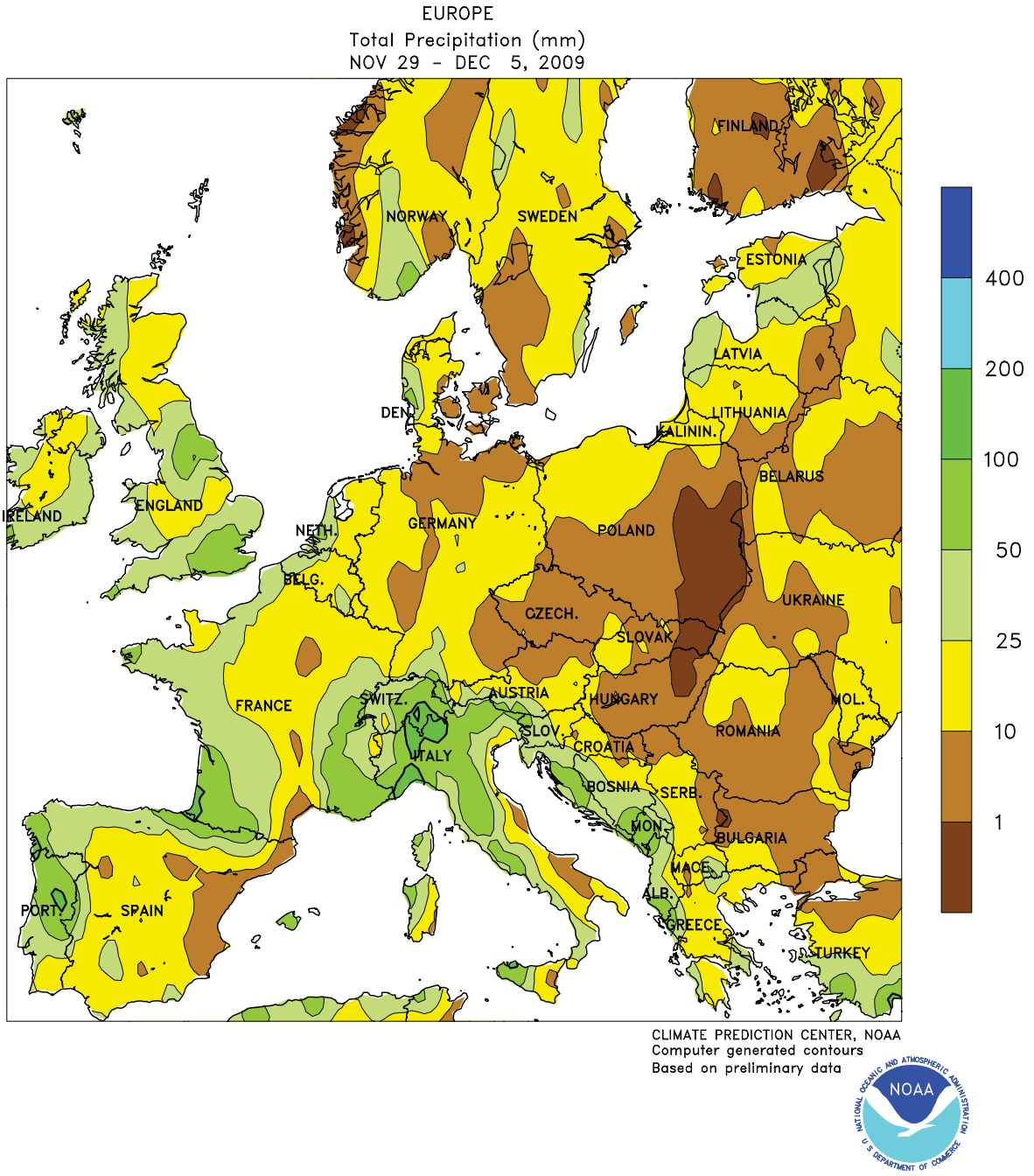
COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY	OSLO	4	1	10	-3	2	2.8	140	52
FINLAN	HELSINKI	4	1	9	-10	2	2.2	38	-33
UKINGD	ABERDEEN	10	4	14	-3	7	1.3	113	30
	LONDON	12	8	17	2	10	2.1	149	99
IRELAN	DUBLIN	10	5	15	-1	8	0.2	174	110
ICELAN	REYKJAVIK	***	***	7	-2	***	***	***	***
DENMAR	COPENHAGEN	9	7	12	2	8	2.8	83	38
LUXEMB	LUXEMBOURG	10	6	15	0	8	4	143	65
SWITZE	ZURICH	10	5	17	1	8	3.6	118	29
	GENEVA	11	5	18	-3	8	2.7	149	64
FRANCE	PARIS/ORLY	13	8	18	2	10	3	67	18
	STRASBOURG	13	6	19	-1	9	3.9	63	15
	BOURGES	13	7	20	2	10	3.6	74	12
	BORDEAUX	15	10	21	2	12	3.3	201	96
	TOULOUSE	15	9	21	3	12	3.3	78	29
	MARSEILLE	17	9	22	2	13	2.8	43	-7
SPAIN	VALLADOLID	14	6	20	0	10	2.4	26	-22
	MADRID	17	7	25	-1	12	1.7	15	-36
	SEVILLE	23	12	31	8	17	2	16	-81
PORTUG	LISBON	18	13	23	8	16	1.9	87	-14
GERMAN	HAMBURG	10	7	16	2	9	3.5	119	50
	BERLIN	11	6	15	-2	8	3.7	90	46
	DUSSELDORF	12	8	18	1	10	3.4	106	44
	LEIPZIG	11	6	16	0	8	3.9	63	27
	DRESDEN	10	5	15	-2	8	3.3	46	3
	STUTTGART	11	4	18	-4	7	3	62	17
	NURNBERG	11	4	16	-3	7	3.1	67	23
	AUGSBURG	11	2	18	-2	6	3	43	-9
AUSTRI	VIENNA	9	3	17	-1	6	1.9	36	-10
	INNSBRUCK	10	2	15	-2	6	3	34	-32
CZECHR	PRAGUE	9	4	15	-1	7	3.9	33	3
POLAND	WARSAW	8	3	13	-3	6	3	53	17
	LODZ	9	3	13	-4	6	3.3	40	-1
	KATOWICE	10	2	15	-5	6	2.9	67	18
HUNGAR	BUDAPEST	10	4	16	-1	7	2.5	91	43
YUGOSL	BELGRADE	14	7	22	0	10	3.8	62	9
ROMANI	BUCHAREST	13	3	21	-3	8	3	23	-16
BULGAR	SOFIA	14	3	20	-3	8	3.8	11	-32
ITALY	MILAN	12	7	16	0	10	2.3	80	4
	VERONA	13	7	15	0	10	2.8	79	14
	VENICE	13	8	17	3	11	2.7	11	-59
	GENOA	19	11	24	7	15	2.8	148	46
	ROME	18	9	22	4	13	1	136	40
	NAPLES	***	***	19	5	***	***	***	***
GREECE	THESSALONIKA	17	8	23	3	12	1.6	14	-45
	LARISSA	18	6	23	1	12	1.5	34	-37
	ATHENS	19	11	23	6	15	0.3	23	-45
TURKEY	ISTANBUL	16	9	24	4	13	1.1	65	-16
	ANKARA	12	0	21	-7	6	1.1	56	16
CYPRUS	LARNACA	23	14	26	9	18	1.4	32	-22
ESTONI	TALLINN	4	2	9	-5	3	1.9	83	15
RUSSIA	ST.PETERSBURG	4	1	8	-5	2	2.4	76	22
LITHUA	KAUNAS	5	3	10	-4	4	2.1	76	29
BELARU	MINSK	5	2	10	-6	4	3.3	59	10
RUSSIA	KAZAN	0	-2	6	-10	-1	2.5	29	-17
	MOSCOW	3	1	8	-6	2	4	71	13
	YEKATERINBURG	-2	-6	4	-14	-4	2.4	34	5
	OMSK	-3	-8	3	-22	-6	1.9	18	-11
KAZAKH	KUSTANAY	0	-7	5	-16	-3	2.8	3	-20
RUSSIA	BARNAUL	-5	-11	6	-25	-8	-1	49	20
	KHABAROVSK	-5	-13	14	-25	-9	-1.3	11	-13
	VLADIVOSTOK	-2	-6	10	-16	-4	-2.8	25	-1
UKRAIN	KIEV	7	3	15	-4	5	3.4	30	-17
	LVOV	8	2	14	-4	5	3.2	55	10
	KIROVOGRAD	7	3	13	-5	5	3.5	17	-17
	ODESSA	10	6	16	-1	8	2.5	12	-30
RUSSIA	YALTA	***	***	11	10	***	***	***	***
RUSSIA	SARATOV	2	-2	8	-7	0	2.4	12	-26
UKRAIN	KHARKOV	6	3	10	-6	5	3.8	47	4
RUSSIA	VOLGOGRAD	5	0	9	-6	3	2.9	22	-9

Based on Preliminary Reports

November 2009

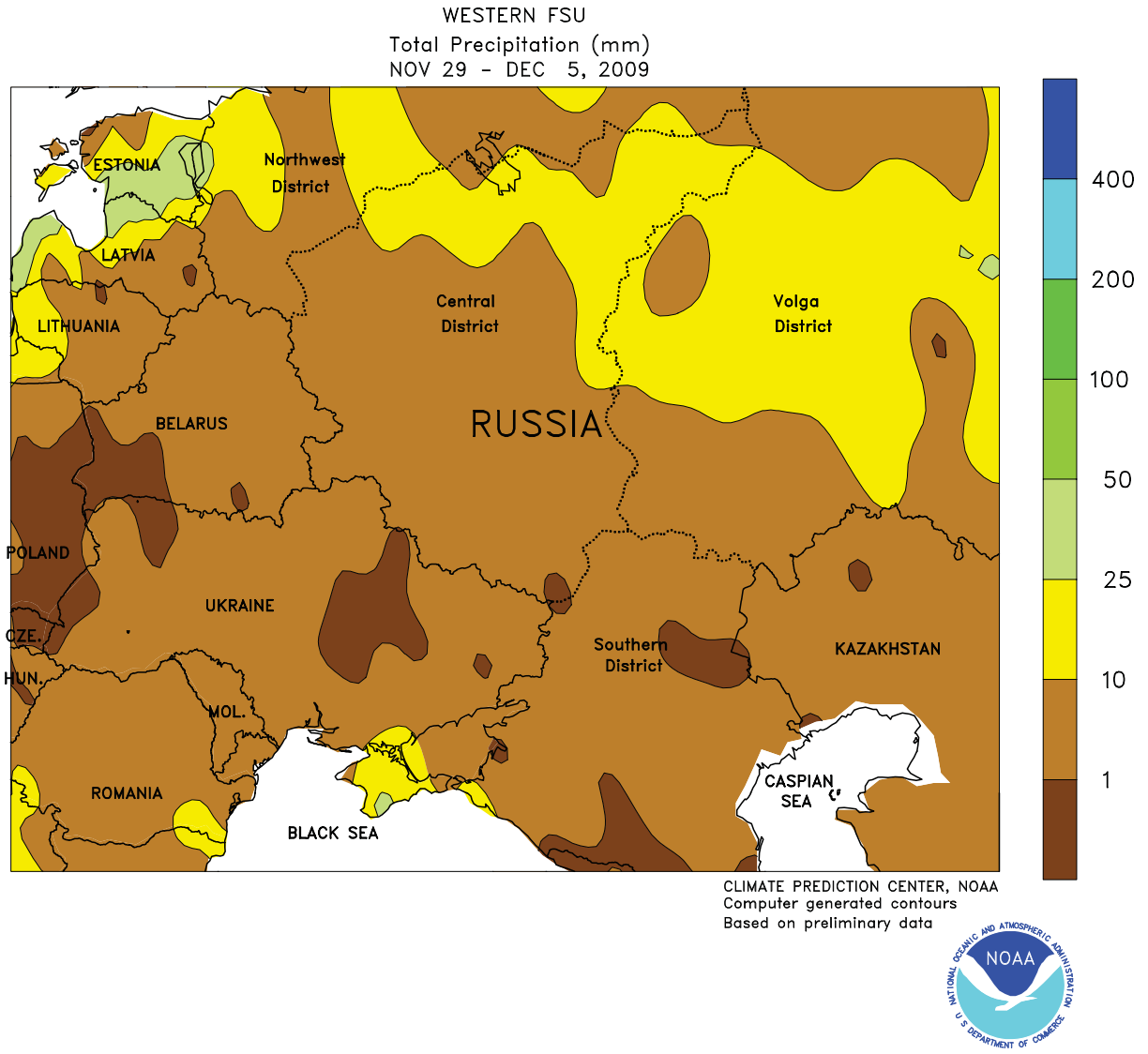
COUNTRY	CITY	TEMPERATURE (C)						PRECIPITATION (MM)	
		AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
	ASTRAKHAN	7	1	11	-5	4	1.4	17	-1
KAZAKH	ORENBURG	2	-4	8	-8	-1	3.2	11	-25
KAZAKH	TSELINOGRAD	-1	-6	12	-19	-4	2.8	43	18
UZBEKI	KARAGANDA	0	-7	18	-20	-4	1.9	38	11
UZBEKI	TASHKENT	14	4	30	-4	9	0.4	28	-20
TURKME	ASHKHABAD	16	4	33	-6	10	0.2	14	-6
SYRIA	DAMASCUS	19	6	27	0	13	0.8	27	4
PAKIST	KARACHI	33	17	38	13	25	0.9	9	***
INDIA	AMRITSAR	25	10	30	4	17	-0.6	16	9
	NEW DELHI	27	14	33	8	20	-0.2	11	3
	AHMEDABAD	33	18	37	14	25	0.8	2	-8
	INDORE	28	16	33	10	22	-0.4	153	138
	CALCUTTA	31	20	35	14	25	1.0	44	6
	VERAVAL	33	21	38	18	27	0.5	24	-1
	BOMBAY	33	22	37	20	28	0.2	78	72
	POONA	30	17	33	12	23	1.1	173	146
	BEGAMPET	31	18	33	13	24	0.9	29	0
	VISHAKHAPATNAM	30	24	32	20	27	0.8	181	79
	MADRAS	30	24	33	22	27	0.8	647	292
HONGKO	MANGALORE	33	23	36	22	28	0.3	168	102
HONGKO	HONG KONG INT	24	18	33	9	21	-0.5	33	-2
N KORE	PYONGYANG	9	1	23	-8	5	0.8	4	-36
S KORE	SEOUL	10	5	22	-4	7	0.0	55	-7
JAPAN	SAPPORO	8	3	19	-2	5	0.7	155	53
	NAGOYA	18	9	26	4	14	1.5	208	128
	TOKYO	17	11	26	6	14	0.7	156	63
	YOKOHAMA	16	11	25	6	13	0.3	183	84
	KYOTO	17	9	24	4	13	0.5	160	97
THAILA	OSAKA	18	11	25	6	14	0.9	134	70
THAILA	PHITSANULOK	32	22	36	18	27	0.5	2	-31
MALAYS	BANGKOK	33	24	39	20	29	1.0	47	-3
MALAYS	KUALA LUMPUR	32	24	35	23	28	1.3	350	61
VIETNA	HANOI	26	19	34	13	23	0.3	1	-45
CHINA	HARBIN	-3	-11	18	-22	-7	-1.8	10	1
	HAMI	6	-6	17	-15	0	-0.3	7	6
	LANCHOW	***	***	15	0	***	***	***	***
	BEIJING	7	-2	17	-6	3	-2.1	17	9
	TIENTSIN	7	-2	16	-8	2	-3.6	6	-3
	LHASA	15	-1	23	-7	7	3.5	0	-1
	KUNMING	18	7	25	0	13	0.7	23	-19
	CHENGCHOW	11	2	27	-8	6	-2.0	47	25
	YEHCHANG	14	7	27	0	11	-2.0	29	-17
	HANKOW	13	6	28	-2	10	-2.7	65	16
	CHUNGKING	16	11	25	4	14	-0.9	19	-29
	CHIHKIANG	15	7	28	-1	11	-1.5	27	-27
	WU HU	13	6	28	-3	10	-2.1	125	66
	SHANGHAI	15	10	29	1	13	-0.8	110	56
	NANCHANG	15	8	30	1	12	-1.5	77	20
	TAIPEI	24	21	30	17	22	0.8	50	-22
	CANTON	23	15	30	6	19	-1.2	103	68
CANARY	NANNING	23	13	33	5	18	-1.1	9	-32
CANARY	LAS PALMAS	25	20	28	16	22	1.7	6	-11
MOROCC	CASABLANCA	22	16	31	12	***	***	17	-35
ALGERI	MARRAKECH	26	12	32	9	19	2.6	1	-23
ALGERI	ALGER	24	10	31	5	17	1.9	56	-25
TUNISI	BATNA	20	3	26	-2	12	0.9	3	-14
TUNISI	TUNIS	23	13	29	9	18	1.6	39	-25
NIGER	NIAMEY	36	22	40	17	29	1.0	0	-1
MALI	TIMBUKTU	34	18	38	13	26	0.4	0	0
MAURIT	BAMAKO	34	17	37	12	26	-1.6	16	11
MAURIT	NOUAKCHOTT	35	22	38	17	28	2.5	0	-3
SENEGA	DAKAR	31	24	38	22	27	1.5	0	-3
LIBYA	TRIPOLI	24	11	31	8	18	0.2	2	-47
EGYPT	BENGHAZI	22	13	29	9	18	-0.1	6	-36
EGYPT	CAIRO	25	16	32	10	20	0.9	3	-2
ETHIOP	ASWAN	30	16	37	12	23	1.2	0	0
ETHIOP	ADDIS ABABA	22	8	25	5	15	-0.2	0	-8
KENYA	NAIROBI	25	15	28	12	20	0.7	68	-46
TANZAN	DAR ES SALAAM	33	24	34	22	28	1.9	17	-99
GABON	LIBREVILLE	29	24	31	22	27	0.7	533	10
TOGO	LOME	33	25	35	22	29	2.0	12	-10
BURKIN	OUAGADOUGOU	36	21	38	18	28	0.4	0	-3
COTE D	ABIDJAN	33	26	34	23	29	1.7	89	-43
MOZAMB	MAPUTO	28	20	36	15	24	-0.1	212	138
ZAMBIA	LUSAKA	28	18	34	15	23	-2.2	218	126
ZIMBAB	KADOMA	29	18	34	15	23	-2.3	154	68
S AFRI	PRETORIA	27	16	33	10	22	0.5	97	-15
	JOHANNESBURG	24	13	29	7	18	0.2	191	74
	BETHAL	***	***	29	7	***	***	***	***
	DURBAN	24	18	30	15	21	-0.4	129	17
CANADA	CAPE TOWN	24	14	33	12	19	1.1	88	71
CANADA	TORONTO	10	2	19	-3	6	2.8	32	-37
	MONTREAL	9	0	19	-5	4	2.8	55	-36
	WINNIPEG	7	-6	14	-12	1	5.9	3	-19
	REGINA	7	-8	19	-15	0	5.2	0	-13
	SASKATOON	6	-7	17	-13	0	6.0	0	-13
	LETHBRIDGE	10	-4	21	-12	3	3.9	16	0
	CALGARY	8	-5	20	-11	2	4.8	5	-7
	EDMONTON	6	-4	18	-10	1	5.1	7	-8
MEXICO	VANCOUVER	10	4	14	0	7	1.1	282	102
MEXICO	GUADALAJARA	24	11	28	6	18	0.1	1	-12
	TLAXCALA	21	7	24	5	14	-0.5	1	-17
BERMUD	ORIZABA	22	13	27	10	18	0.1	117	41
BERMUD	ST GEORGES	24	20	26	16	22	0.3	79	-12
BAHAMA	NASSAU	28	22	32	16	25	0.8	47	-21
CUBA	HAVANA	29	18	32	9	24	-0.4	47	-40
JAMAIC	KINGSTON	32	25	34	23	28	1.0	1	-89
P RICO	SAN JUAN	30	24	33	23	27	1.0	309	153
GUADEL	RAIZET	31	23	31	21	27	0.7	164	-32
MARTIN	LAMENTIN	31	24	33	22	28	1.7	106	-94
BARBAD	BRIDGETOWN	31	25	32	23	28	0.8	114	-18
TRINID	PORT OF SPAIN	33	24	34	22	28	1.9	163	-35
COLOMB	BOGOTA	20	9	22	3	15	1.3	93	6
VENEZU	CARACAS	32	26	35	24	29	1.8	46	-12
F GUIA	CAYENNE	32	23	33	21	27	0.9	96	-58
BRAZIL	FORTALEZA	30	25	32	23	27	-1.0	1	-24
	RECIFE	30	26	30	24	28	-0.9	21	-7
	CAMPO GRANDE	31	23	35	21	27	1.3	166	15
	FRANCA	29	20	32	18	24	1.7	215	62
	RIO DE JANEIRO	33	24	38	20	28	3.4	267	168
	LONDRINA	32	21	36	19	27	3.7	204	35
	SANTA MARIA	28	19	39	13	24	1.9	443	320
PERU	TORRES	26	20	32	17	23	-0.2	148	7
PERU	LIMA	22	18	24	16	20	0.6	1	0
BOLIVI	LA PAZ	18	4	22	1	11	1.3	100	46
CHILE	SANTIAGO	24	9	30	5	17	-0.2	0	-5
ARGENT	IGUAZU	31	21	38	17	26	2.0	309	172
	FORMOSA	33	24	41	18	29	4.0	192	23
	CERES	29	20	42	11	25	2.5	202	100
	CORDOBA	30	17	39	12	24	3.1	118	8
	RIO CUARTO	28	15	34	9	21	1.4	153	21
	ROSARIO	***	***	33	8	***	***	***	***
	BUENOS AIRES	25	15	31	6	20	0.9	166	73
	SANTA ROSA	27	12	33	2	20	0.3	81	-15
MARSHA	TRES ARROYOS	25	11	31	2	18	1.0	81	-5
MARSHA	MAJURO	29	26	32	20	28	0.2	289	-32
NEW CA	NOUMEA	27	21	30	18	24	-0.2	35	-34
FIJI	NAUSORI	27	21	30	17	24	-0.9	115	-128
SAMOA	PAGO PAGO	29	26	31	23	27	0.1	423	140
TAHITI	PAPEETE	31	25	32	23	28	1.6	252	122
PNEWGU	PORT MORESBY	30	26	32	24	28	1.0	110	56
NZEALA	AUCKLAND	19	13	22	9	16	***	18	***
AUSTRA	WELLINGTON	17	11	21	5	14	***	67	***
AUSTRA	DARWIN	33	27	35	24	30	0.6	181	47
	BRISBANE	27	22	31	15	24	2.0	42	-65
	PERTH	27	13	37	7	20	0.8	32	6
	CEDUNA	29	18	46	6	23	4.3	8	-11
	ADELAIDE	28	17	42	10	23	4.6	0	-21
	MELBOURNE	26	14	38	8	20	4.2	79	29
	WAGGA	33	16	42	5	24	6.3	32	-9
INDONE	CANBERRA	29	13	39	7	21	5.2	21	-45
INDONE	SERANG	32	24	35	23	28	0.1	262	112
PHILIP	MANILA	32	25	33	22	28	0.5	55	-87

Based on Preliminary Reports



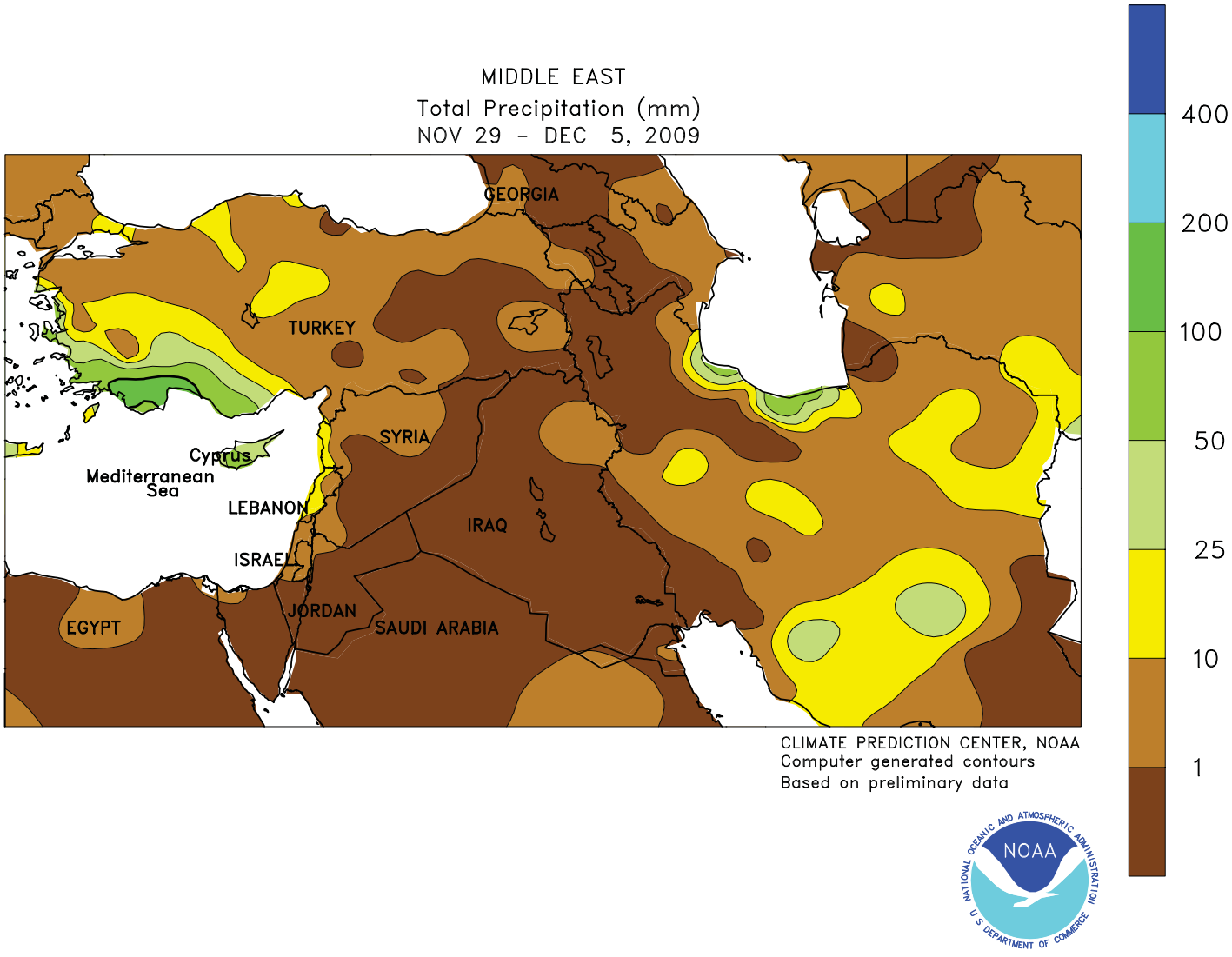
EUROPE

Wet weather continued over much of the region, although drier conditions prevailed in eastern Europe. A series of Atlantic storms generated 10 to more than 60 mm of rain from the Atlantic Coast into western portions of Poland and the Balkans, maintaining adequate to abundant soil moisture for winter crops but hampering any late summer crop harvesting. The showers were especially welcomed in central and southern Spain, where long-term drought has reduced reservoir levels and irrigation reserves. Locally heavy rain and mountain snow (70-120 mm liquid equivalent) in northern Italy boosted topsoil moisture and irrigation reserves for recently planted winter wheat. In contrast, dry conditions and above-normal temperatures (up to 7 degrees C above normal) in eastern Europe reduced winter crop cold hardiness and kept the region devoid of protective snow cover. Most winter grains and oilseeds in Europe still have not gone fully dormant due to an unusually warm period of weather which began in early November.



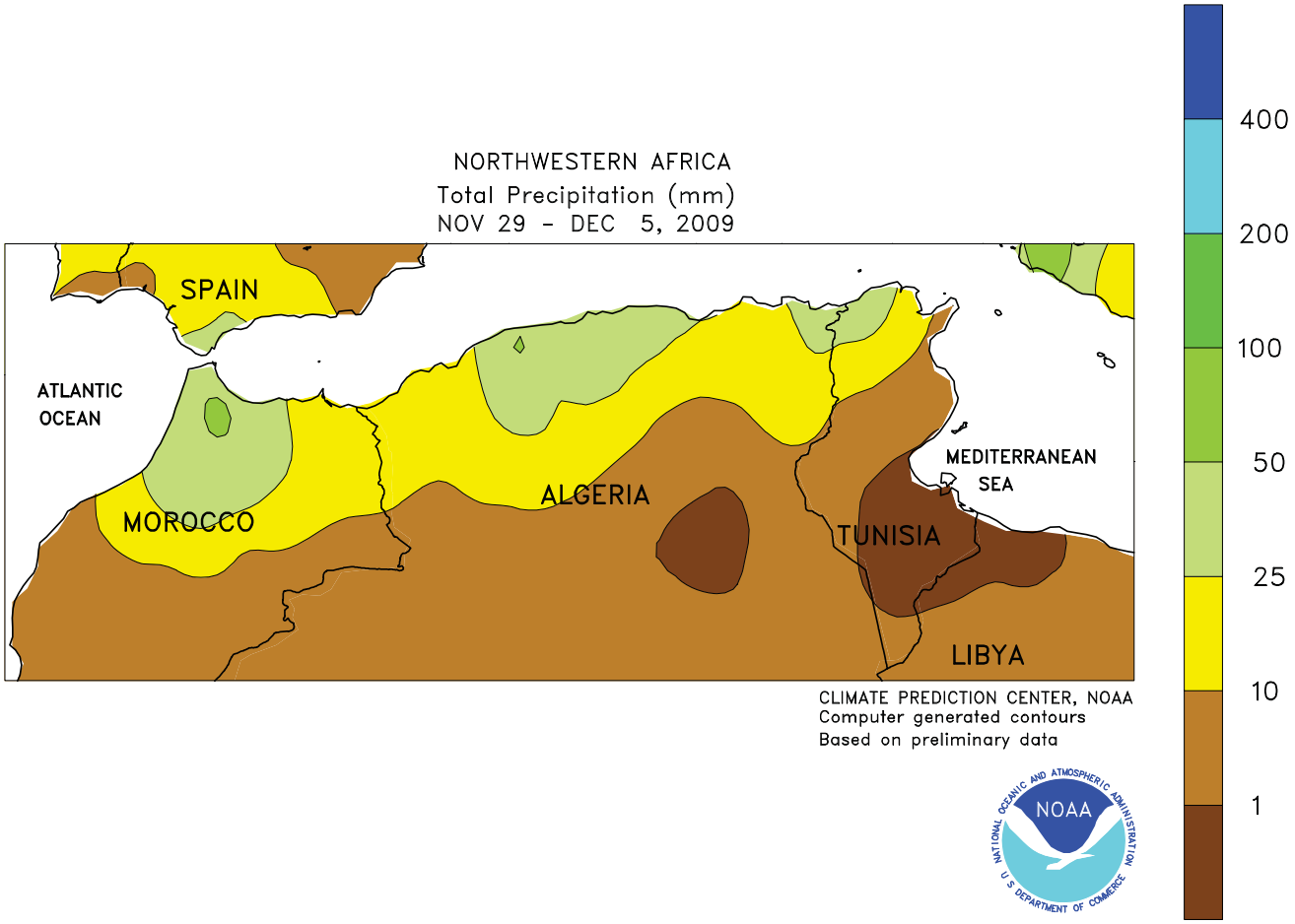
FSU-WESTERN

Unseasonably warm weather continued over the entire region, with rain and wet snow confined to northern- and eastern-most growing areas. For the second consecutive week, average temperatures up to 10 degrees C above normal reduced winter crop cold hardiness, with wheat and barley in Ukraine and Russia's Southern District adding late-season vegetative growth. Snow cover, which typically extends southward into central and southern Ukraine by early December, was confined to northern portions of the Central and Volga Districts in Russia. Consequently, winter crops likely lost cold hardiness and are now exposed to potential incursions of bitter cold. Precipitation was confined to the Volga and northern Central Districts, where 5 to 15 mm of rain and wet snow maintained favorable moisture reserves for dormant grains and oilseeds.



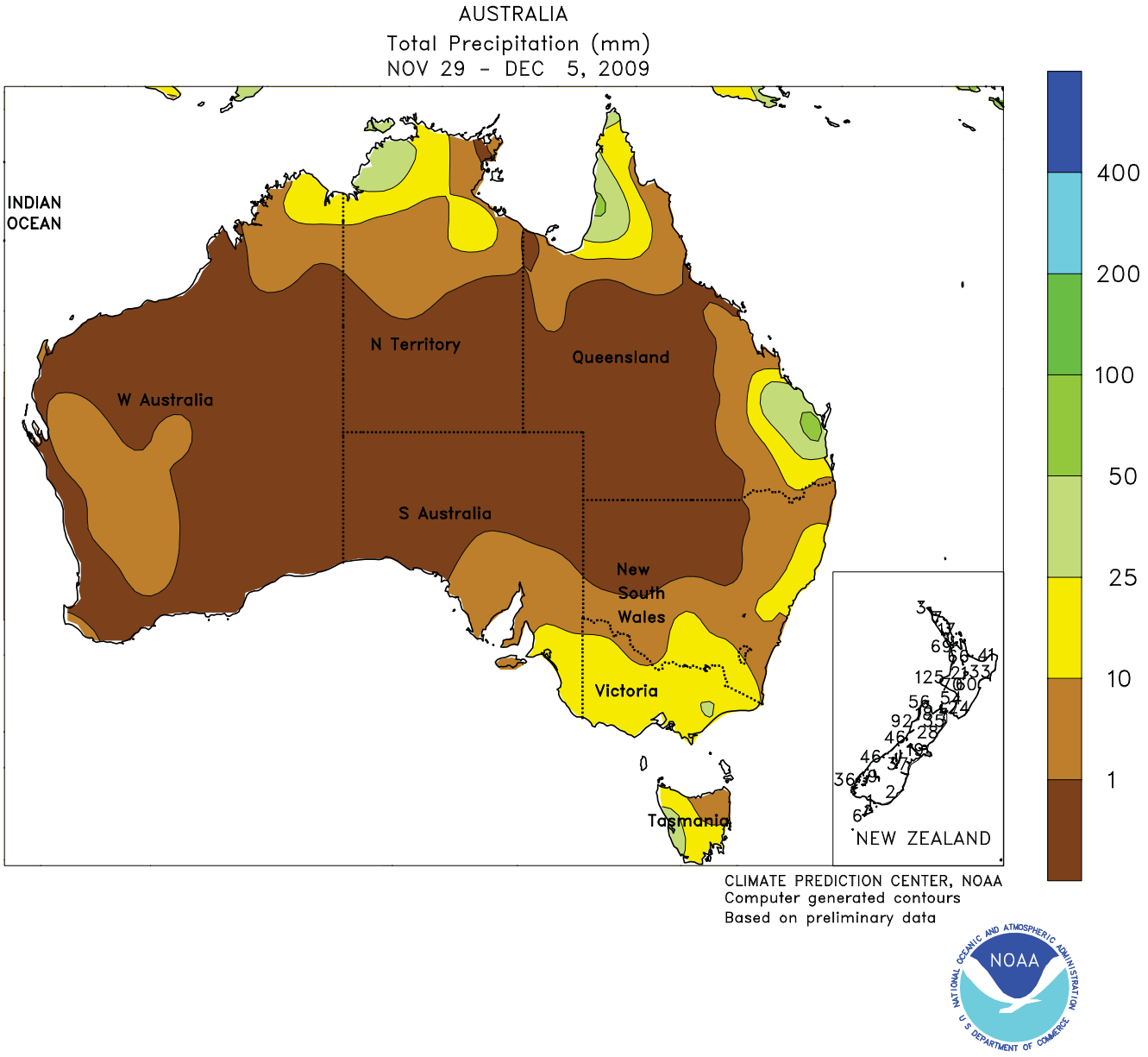
MIDDLE EAST

Dry weather across central growing areas contrasted with wet conditions in western- and eastern-most portions of the region. High pressure maintained sunny skies and near-normal temperatures in Syria and Iraq, promoting additional growth of vegetative winter grains. Meanwhile, a departing upper-air low produced rain and mountain snow (5-40 mm liquid equivalent) across central and eastern Iran; the moisture was beneficial for vegetative winter grains across the south and east, and boosted mountain snowpacks in western Iran where crops are likely now dormant. Farther west, a slow-moving Mediterranean storm produced moderate to heavy rain (10-100 mm, locally more) in southern and western Turkey, maintaining favorable soil moisture for winter wheat and barley. Showers (5-15 mm) from this system also reached the eastern Mediterranean coast, although rain continued to bypass northern Israel, which has reported little if any precipitation since early November, raising concerns over short-term dryness.



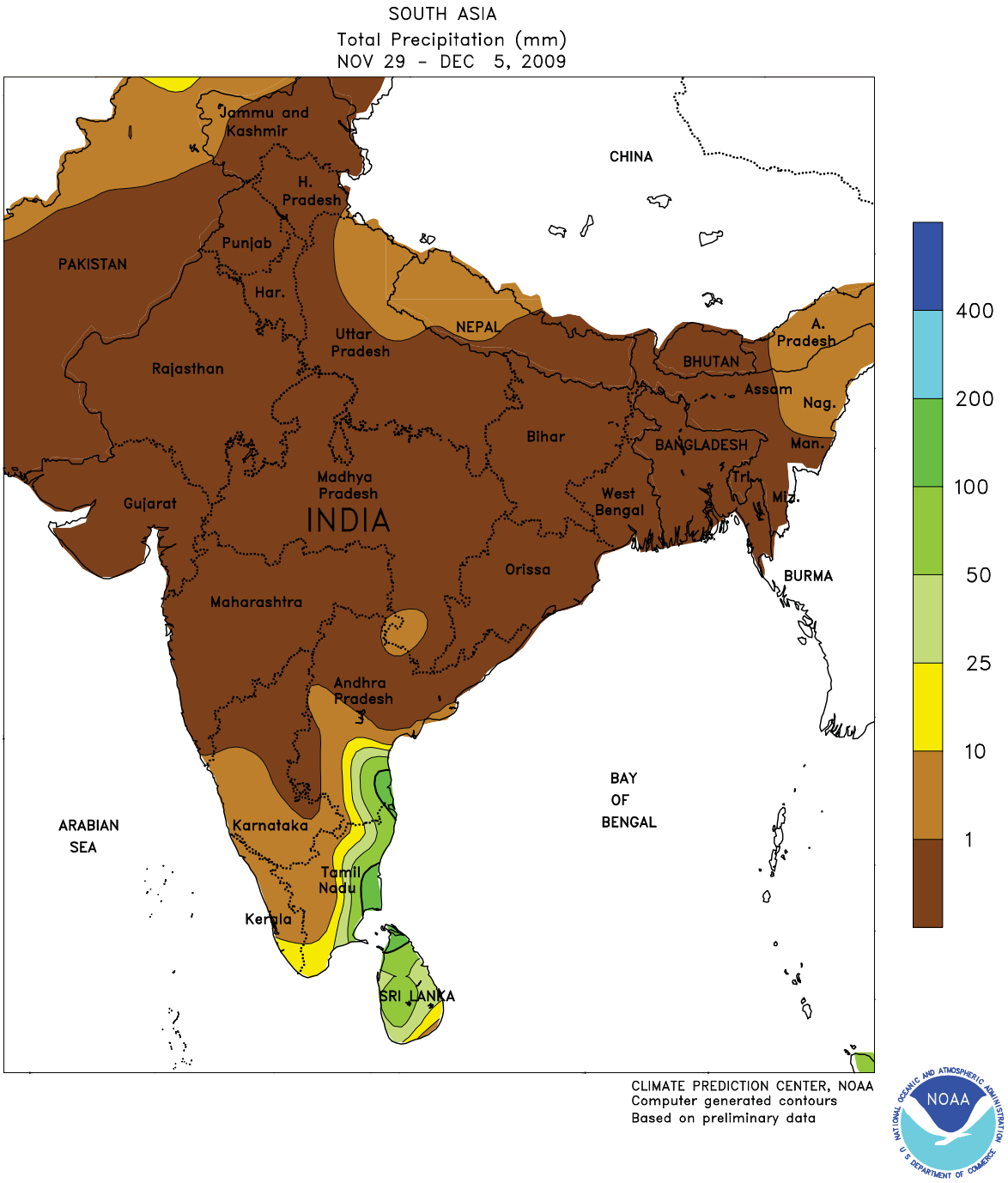
NORTHWEST AFRICA

Wet weather returned, favoring eastern crop development while easing drought concerns in the west. A Mediterranean storm and its attendant cold front triggered showers and thunderstorms (10-55 mm) from northern Morocco eastward into northern Tunisia. The rain broke a 2-month dry spell in northern Morocco and western Algeria, and vastly improved prospects for winter grain planting and establishment. Rain bypassed southern Morocco, however, where soil moisture was insufficient for proper crop establishment. In eastern Algeria and northern Tunisia, the showers maintained favorable soil moisture for vegetative wheat and barley. Temperatures averaged 1 to 2 degrees C above normal, with daytime highs in the 20s degrees C providing optimal conditions for winter grain establishment.



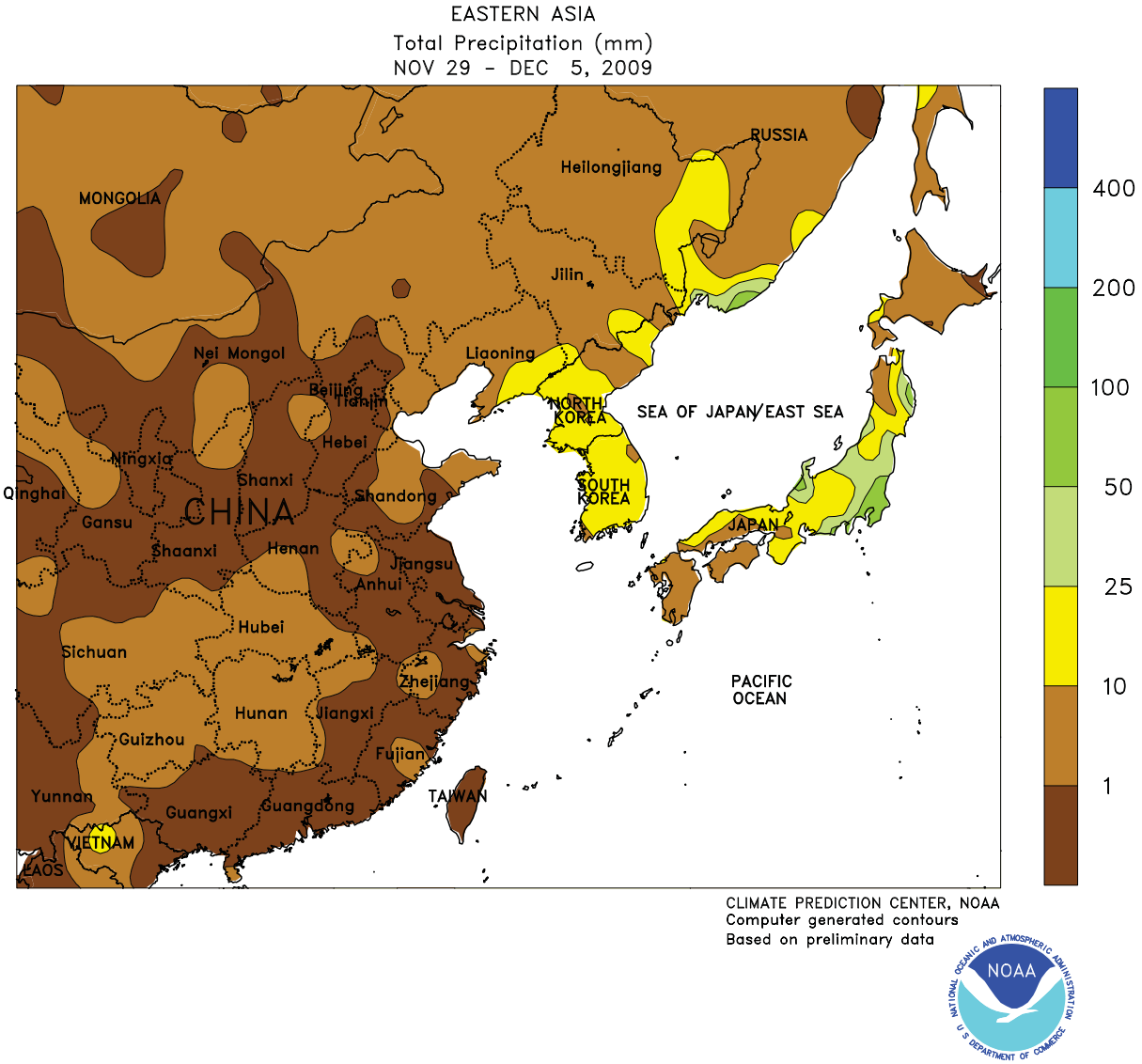
AUSTRALIA

Dry weather overspread South Australia, Victoria, and southern New South Wales by midweek, allowing winter grain harvesting to resume following 2 weeks of wet weather. Farther west, the second consecutive week of dry weather continued to favor winter crop harvesting in Western Australia. In northern New South Wales and southern Queensland, scattered showers (2-8 mm, locally more) in the middle of the week moistened topsoils locally. Much of the week was dry, however, reducing moisture supplies for dryland summer crops and maintaining watering requirements for irrigated crops. Temperatures in Western Australia, northern New South Wales, and southern Queensland averaged about 1 to 2 degrees C above normal. In southeastern Australia, temperatures averaged about 1 to 2 degrees C below normal.



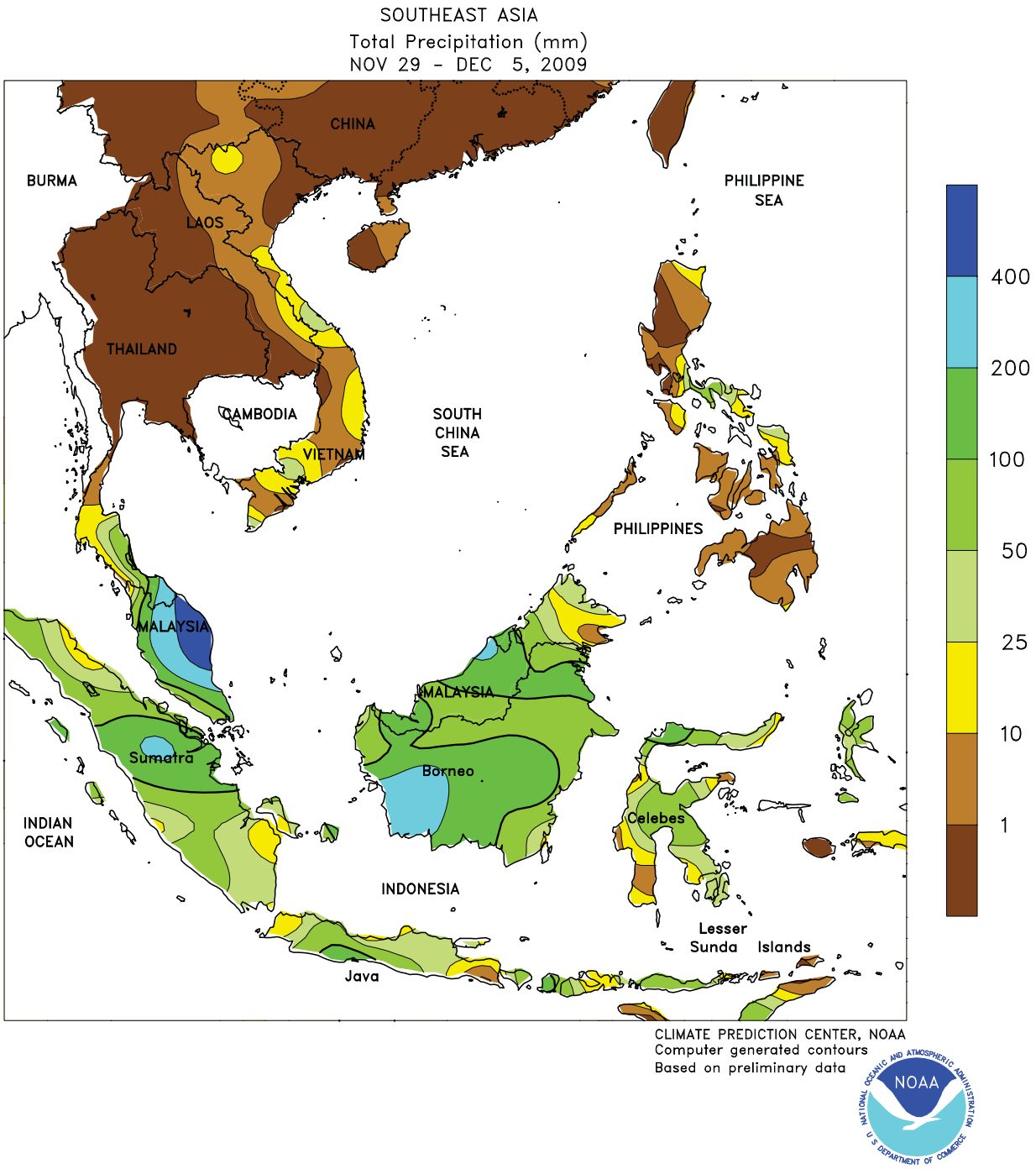
SOUTH ASIA

Seasonably dry weather prevailed across much of India, with heavy showers confined to the southeastern coast. Along coastal Andhra Pradesh and Tamil Nadu, 50 to over 100 mm of rainfall occurred, but was outside major crop producing districts. Elsewhere, sunny, warm weather aided winter crop development but maintained high irrigation requirements, especially in western Rajasthan, where maximum temperatures were over 30 degrees C. Rainfall over the last 30 days for winter crops has been near to above normal. Monthly totals at this time of year tend to be less than 15 mm, explaining the need for supplemental watering.



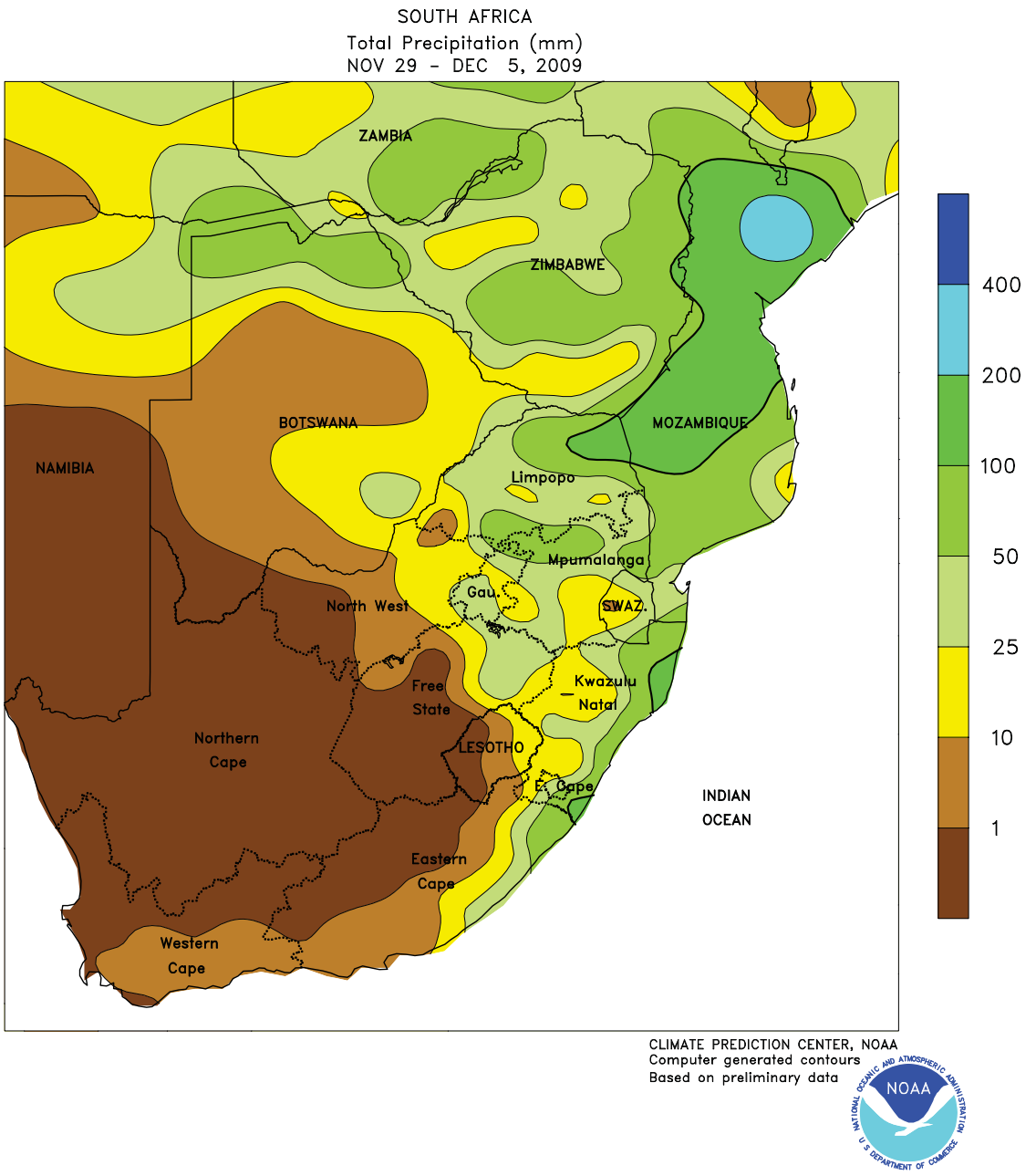
EAST ASIA

The unseasonably heavy rain and snow of the last few weeks abated across China as little if any precipitation occurred for dormant winter wheat and rapeseed. Rainfall for the last 30 days remained near to above normal across major growing areas, ensuring adequate soil moisture for predominantly irrigated crops. Freezing temperatures remained north of the Yangtze River, maintaining favorable weather conditions for winter vegetables in the south. Minimum temperatures across the North China Plain were as low as -10 degrees C where winter wheat was cold-hardened.



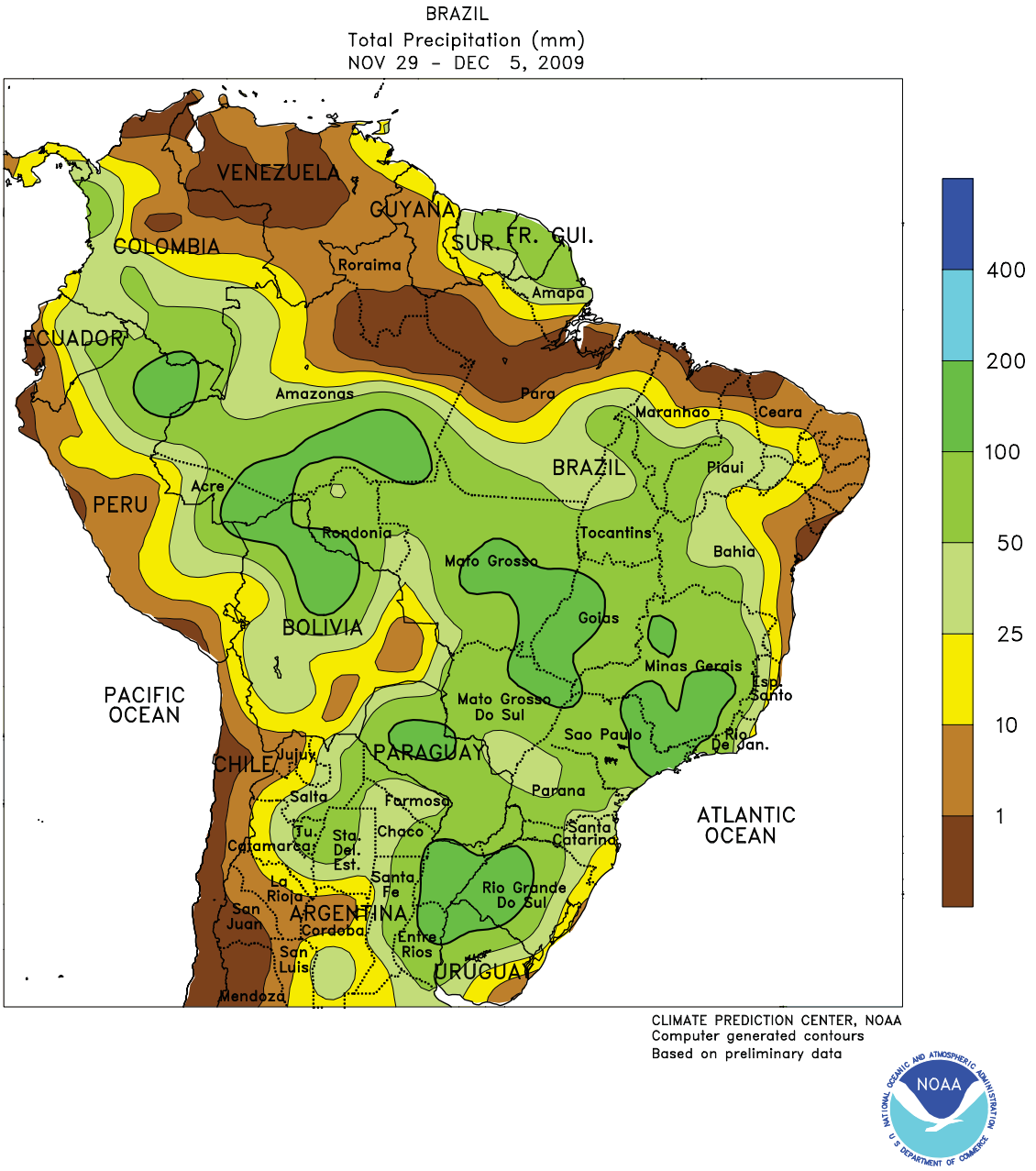
SOUTHEAST ASIA

Dry weather prevailed across the Philippines, while rainfall increased in rice areas of Indonesia. After several weeks of heavy rain in the eastern and southern Philippines, sunny, warm weather eased wetness and aided corn and rice development. Similarly in Vietnam, sunny, warm weather aided winter rice harvesting and transplanting of winter-spring rice in the south. Meanwhile, flooding rains occurred in oil palm areas of Malaysia and Indonesia where weekly totals exceeded 200 mm. The rainfall likely halted harvest activities across peninsular Malaysia and Kalimantan, Indonesia, where amounts were the highest. In Java, Indonesia, more seasonable rainfall (25-100 mm) provided a significant boost to soil moisture for vegetative rice, especially in central and eastern areas.



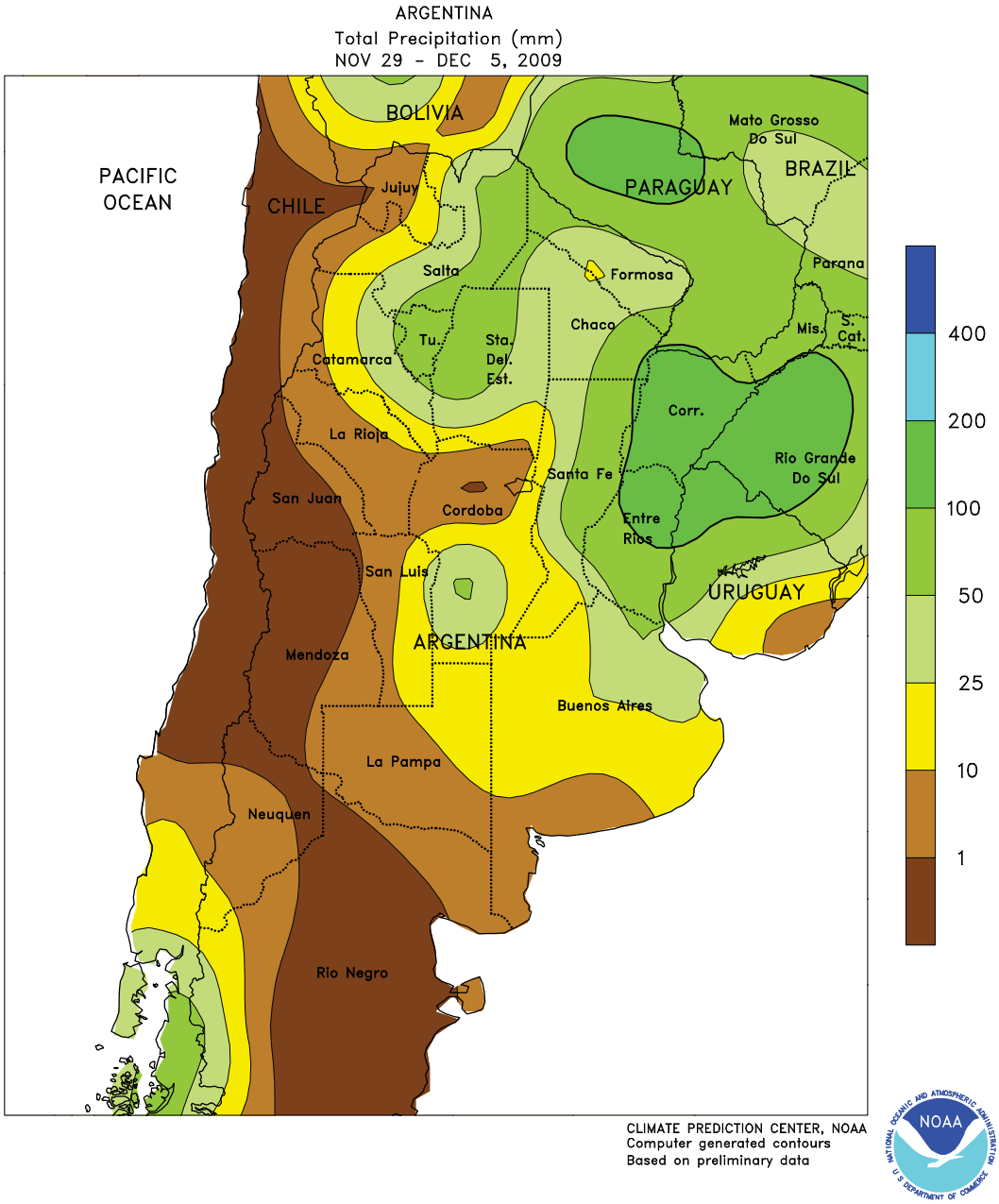
SOUTH AFRICA

Scattered showers maintained generally favorable conditions for emerging to vegetative summer crops across the corn belt. Rainfall exceeded 25 mm in Gauteng and eastern Free State, with somewhat lower amounts elsewhere in the eastern corn belt. Above-normal temperatures (1-2 degrees C above normal, with highs generally in the upper 20s and lower 30s degrees C) promoted rapid summer crop development while keeping evaporative losses and crop moisture requirements high. Warm, mostly dry weather prevailed on the western edge of the corn belt (western farming areas of North West and Free State), with highs reaching the middle 30s degrees C. Rain will be needed soon in these areas for germination and establishment of corn and other rain-fed summer crops, which are typically planted later compared to other parts of the corn belt. Elsewhere, locally heavy rain (25-50 mm or more, locally exceeding 100 mm) covered outlying crop areas of Limpopo and in sugarcane areas along the coast of KwaZulu-Natal. Dry, generally mild weather (near-normal temperatures with highs in the lower and middle 30s degrees C) advanced development of irrigated tree and vine crops in Western Cape.



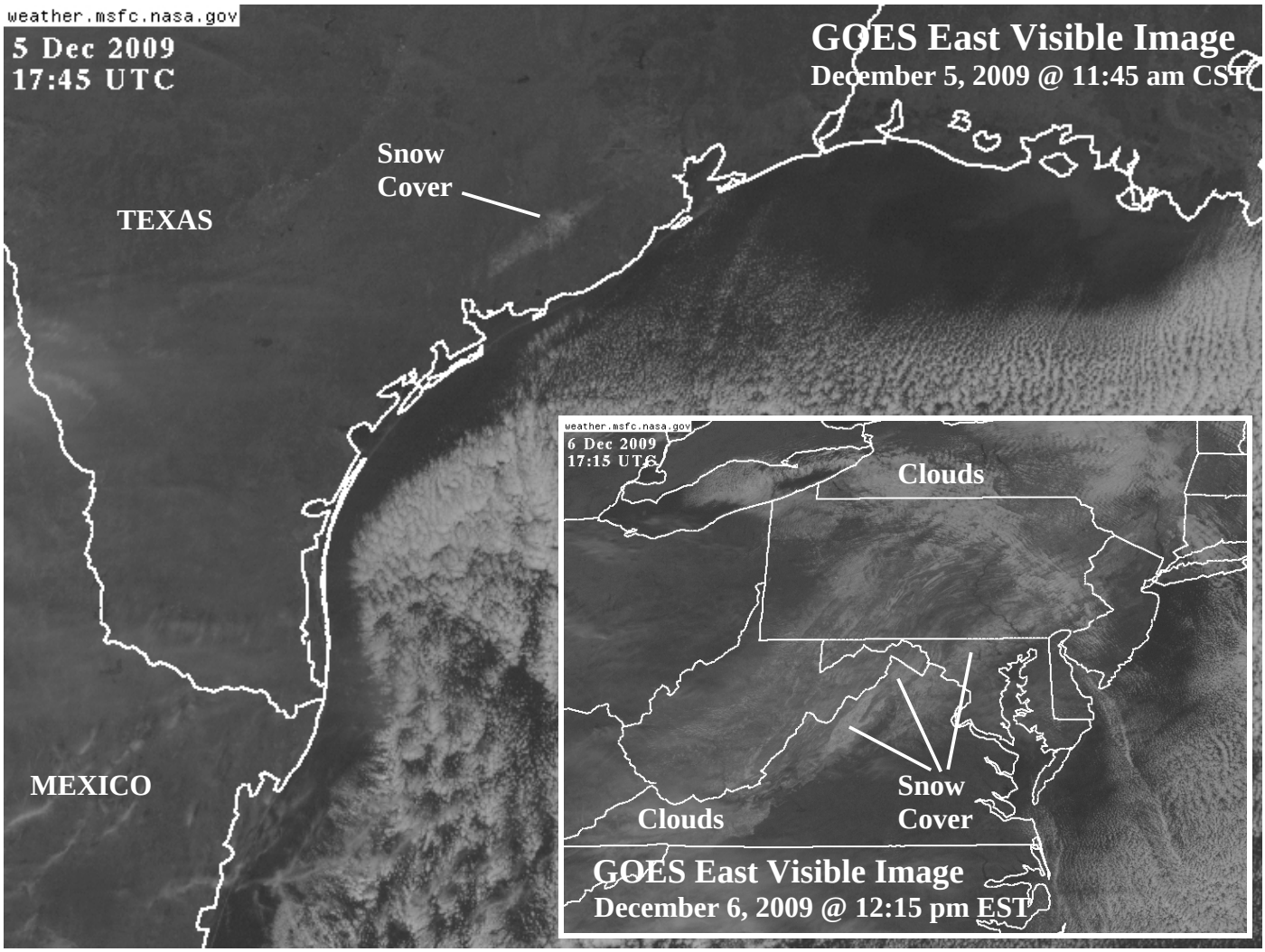
BRAZIL

Above-normal rainfall maintained adequate to abundant moisture for summer crop development, but portions of the south remained too wet for fieldwork. For the fourth week, parts of western Rio Grande do Sul received in excess of 100 mm, compounding problems with excessive wetness for farmers trying to harvest winter wheat and plant soybeans. Wet weather also continued elsewhere in the south, although amounts were somewhat lower (25-50 mm in most areas). However, pockets of heavier rain (50-100 mm or more) were recorded from central Mato Grosso southeastward through Minas Gerais, increasing moisture reserves for summer row crops, coffee, sugarcane, and citrus. Moderate to heavy rain (greater than 50 mm) also returned to soybean and cotton areas of the northeastern interior (western Bahia and Tocantins) that experienced a recent drying trend. Throughout the main growing areas of central and southern Brazil, temperatures averaging near to slightly above normal, with highs mostly in the lower and middle 30s degrees C, promoted growth of the abundantly watered summer grains, oilseeds, and cotton. Seasonably dry weather along the northeastern coast fostered sugarcane harvesting and other seasonal fieldwork.



ARGENTINA

Beneficial rain continued in many farming areas of central and northern Argentina, further improving prospects of summer grains, oilseeds, and cotton. Moderate to heavy showers (10-50 mm or more) developed throughout the week in central Argentina, although pockets of drier weather returned to the southwest (including southern growing areas of La Pampa and Buenos Aires) and northern Cordoba. In northern Argentina, rain (greater than 25 mm) increased moisture for germination and establishment of cotton and other summer row crops, although warmer-than-normal weather (temperatures averaging 1-2 degrees C above normal, with highs reaching the upper 30s and lower 40s degrees C) maintained high evaporative losses. Temperatures averaged 1 to 2 degrees C below normal in much of central Argentina, with highs generally in the upper 20s and lower 30s degrees C. According to Argentina's ministry of agriculture, corn and soybeans were 70 and 53 percent planted, respectively, as of December 3. In addition, wheat was 22 percent harvested. Though overall beneficial, the recent increase in rainfall was reportedly impacting fieldwork.



On December 4, a Southern storm produced the earliest measurable snowfall on record in locations such as Houston, TX (1.0 inch; previously, 1.4 inches on December 10, 2008), and Lake Charles, LA (0.2 inch; previously, 0.4 inch on December 11, 2008). The following day, snow was still on the ground as noon approached between Galveston Bay and Tres Palacios Bay (see satellite image, above), where December 4 accumulations had reached 4 inches in Lane City and Boling, TX. Meanwhile in Deep South Texas, freezes were reported on December 5 in locations such as Harlingen (29°F) and Brownville (31°F). Farther northeast, widespread 4- to 8-inch snowfall totals were observed on December 5 in the Mid-Atlantic piedmont (see inset).

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