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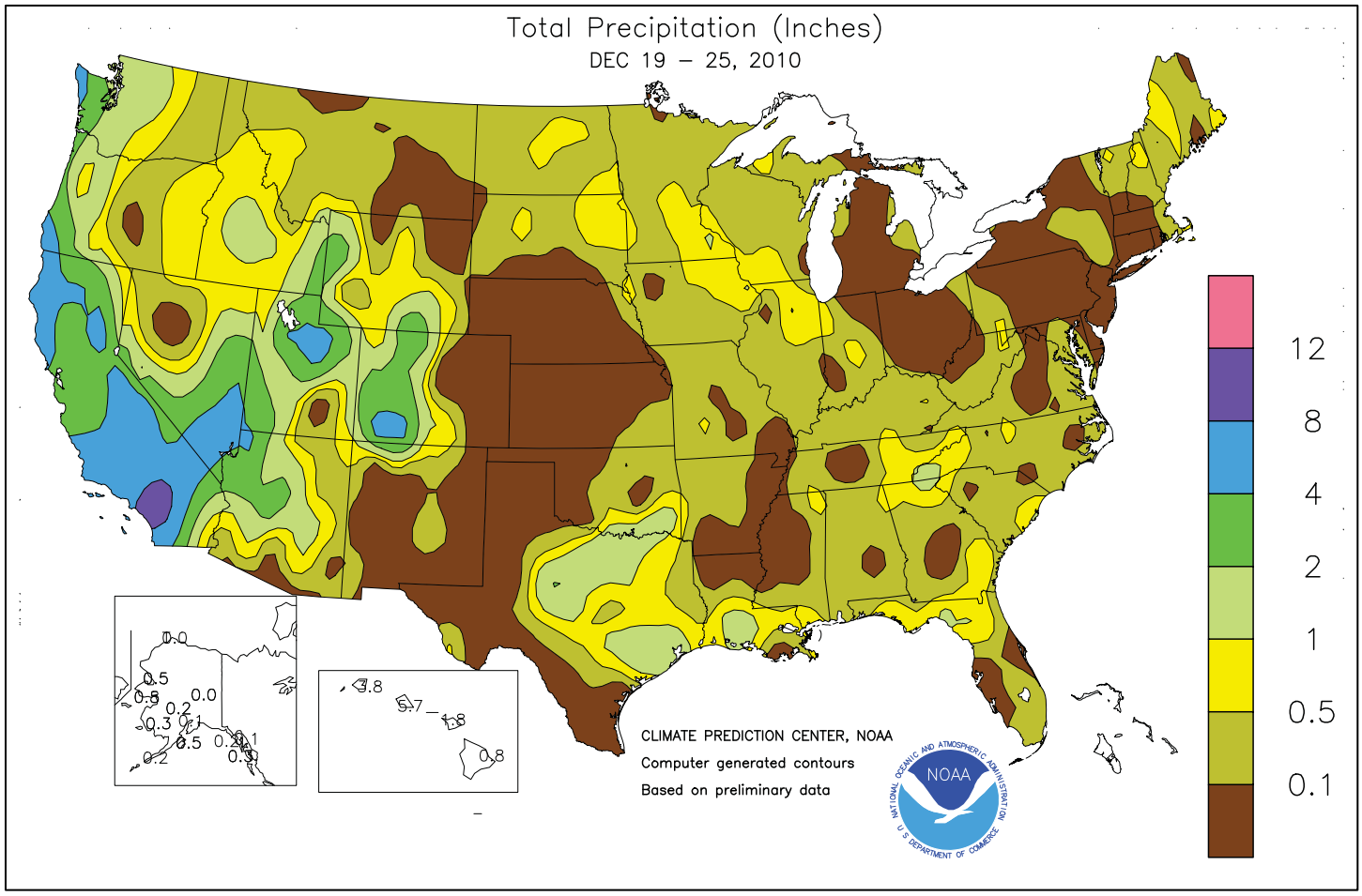
WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS
December 19-25, 2010

Highlights provided by USDA/WAOB

A week-long **Pacific** storm barrage caused flooding and mudslides from **southern California into the southern Great Basin** but maintained overall favorable **Western** water-supply prospects. Storm-total rainfall reached at least 1 to 2 feet at numerous locations in **southern California**. More tranquil weather arrived in the **West** during the second half of the week, although rain and snow returned to the **Pacific Coast States** on Christmas Day. Farther east, the last in a series of **Pacific** storms produced much-needed precipitation on the **central**

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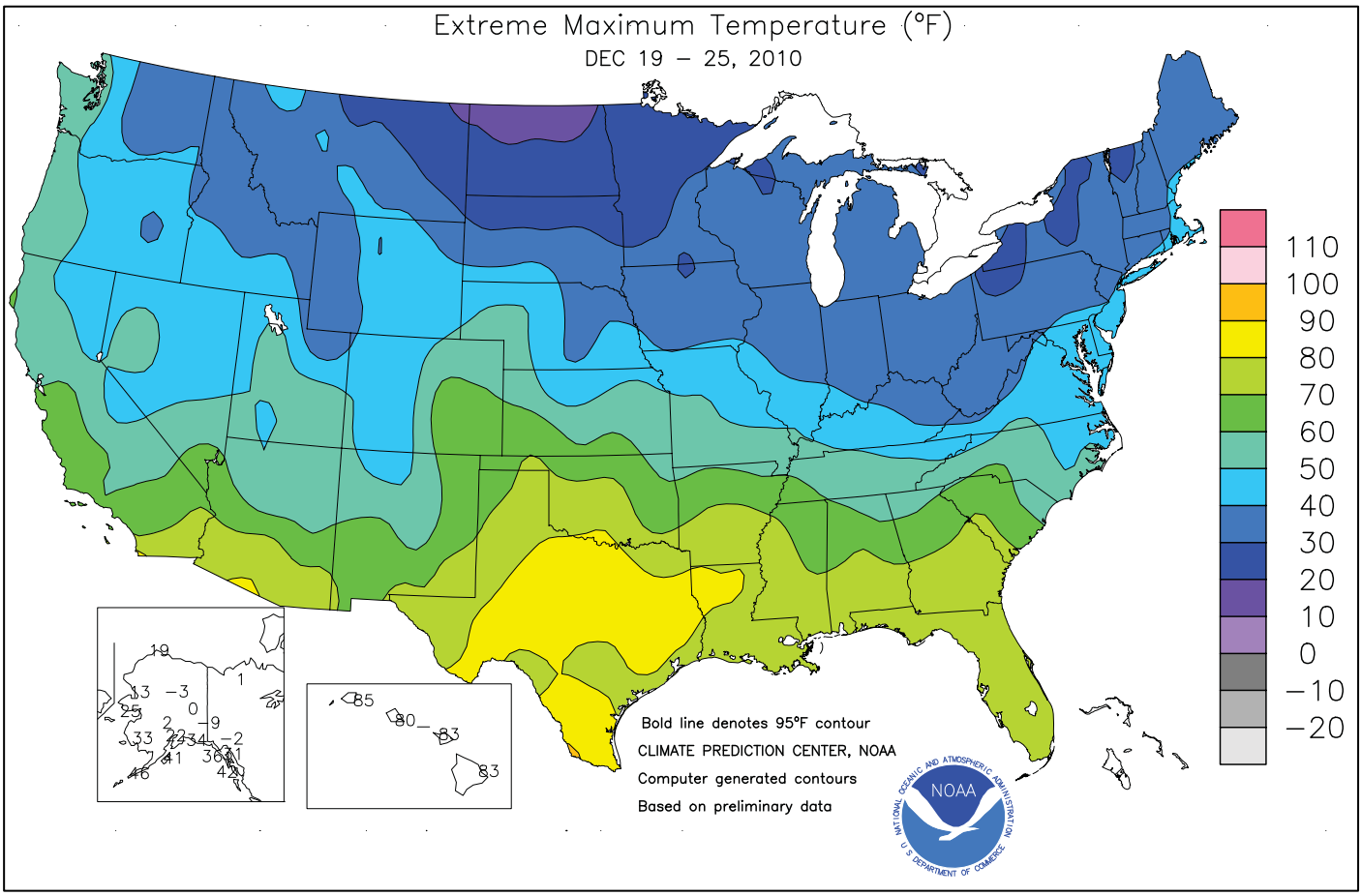
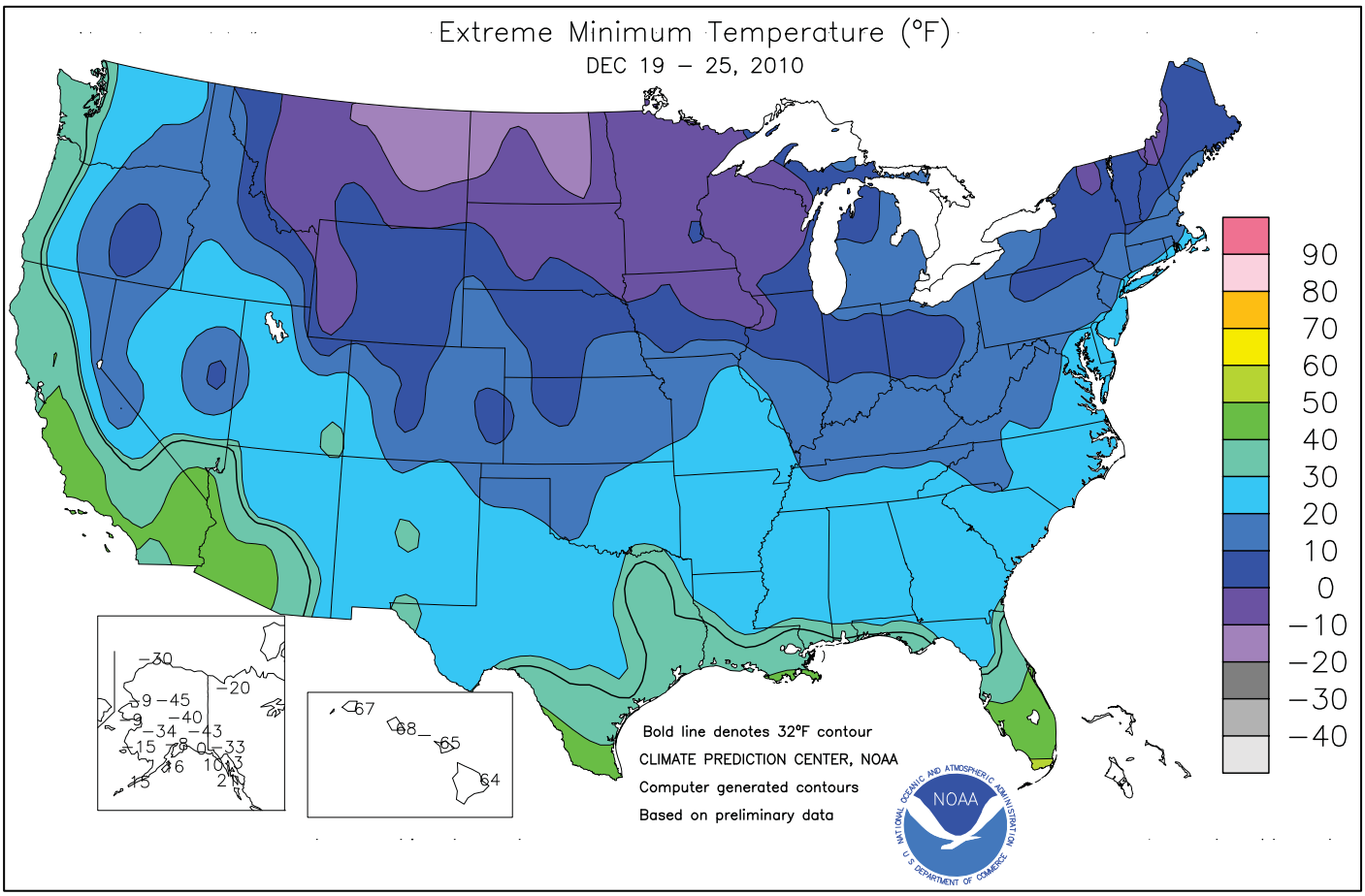
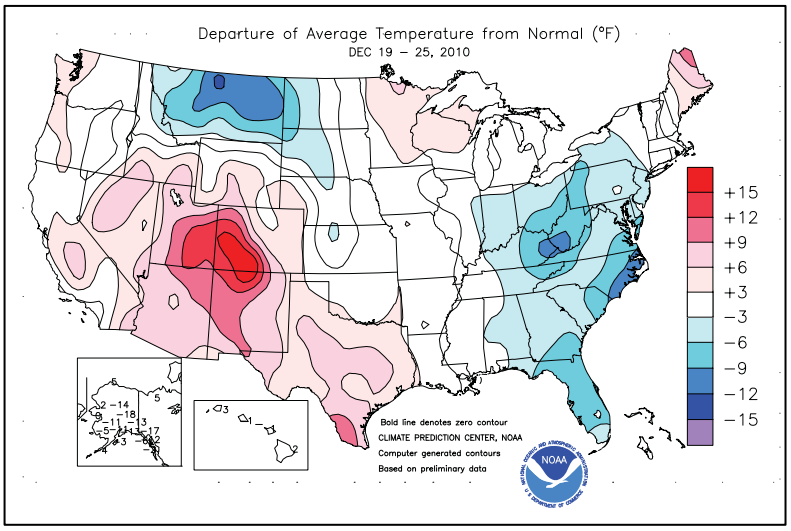

Extreme Maximum Temperature (°F)
DEC 19 – 25, 2010
110
100
90
80
70
60
50
40
30
20
10
0
−10
−20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data
NOAA


Extreme Minimum Temperature (°F)
DEC 19 – 25, 2010
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)

and southern Plains. However, the most significant rain fell east of the primary hard red winter wheat belt, where a portion of the crop remained stressed by developing drought and winter weather extremes. In fact, temperatures topped 80 degrees F in much of the **south-central U.S.** on December 20-21, aggravating the effects of drought on pastures and winter wheat. Meanwhile, a substantial snow cover remained in place across the **northern Plains** and **upper Midwest**, where additional snow fell during the week. Snow depths of 1 to 2 feet in the **upper Mississippi Valley** hampered rural travel. Across the remainder of the **Midwest**, a brief mild spell began to erode the existing snow cover. However, snow returned to parts of the **western and southern Corn Belt** toward week's end. Elsewhere, frigid conditions eased across the **South** and **East**, where precipitation was mostly light and spotty. Developing drought remained a concern with respect to pastures and winter grains across much of the **South**, particularly from **central and eastern Texas into the southern Atlantic States**.



During the first half of the week, heavy precipitation continued to batter **central and southern California** and parts of the **Southwest**. In the **Sierra Nevada**, where mid- to late-month snowfall totaled 100 to 200 inches or more, the average water equivalency of the snow pack climbed from 9 to 18 inches (from 122 to 207 percent of normal) between December 16 and 22. **Southern California's Mt. Palomar** received 18.23 inches of rain from December 16-22. During the same period, snowfall totaled 5 to 7 feet at several locations in the mountains of **Utah** and **Colorado**. For example, **Brighton Crest, UT**, noted 84 inches, while **Gothic, CO**, tallied 82 inches. Winds in excess of 150 mph were noted on the **Sierra Nevada crest**, with a gust to 164 mph clocked on December 19 on **Mammoth Mountain, CA.** December 19 was also the wettest December day on record in **California** locations such as **Bishop** (3.32 inches) and **Bakersfield** (1.53 inches). Previous records had been 2.67 inches (on December 22, 1982) in **Bishop** and 1.37 inches (on December 18, 2010) in **Bakersfield**. In addition, **Bakersfield** experienced its third-wettest 24-hour period on record, with 2.31 inches falling on December 18-19. **Bakersfield's** wetter 24-hour periods were February 9-10, 1978 (3.02 inches), and January 24-25, 1999 (2.32 inches). Daily-record amounts in **California** for December 19 included 2.96 inches in **San Gabriel**, 2.80 inches in **downtown Los Angeles**, and 2.79 inches in **Santa Barbara**. The following day, **Long Beach, CA** (2.03 inches), netted a daily-record amount for December 20. Other **California** daily records in excess of 2 inches were 2.01 inches (on December 21) in **San Diego**, 2.24 inches (on December 22) in **Palm Springs**, and 3.40 inches (on December 22) in **Ramona**. In fact, **Ramona's** December 20-22 sum of 7.20 inches exceeded its December 1984 standard of 5.31 inches. Farther inland, **Ely, NV**, noted its 11th-snowiest, 13th-wettest day on record on December 20, with 11.4 and 1.29 inches, respectively. By week's end, records for December wetness were established in **southern California** locations such as **Santa Barbara** (9.64 inches; previously, 6.78 inches in 1945) and **Long Beach** (9.42 inches; previously, 5.29 inches in 1971). With a December 1-25 total of 5.37 inches, **Bakersfield** registered its wettest month on record (previously, 5.36 inches in February 1998). Similarly, **Mt. Charleston (Kyle Canyon), NV**, received precipitation totaling 17.31 inches during the first 25 days of December, demolishing the monthly mark of 6.65 inches in December 1992 and the all-time record of 15.55 inches in July 1984. Elsewhere in **Nevada**, **Las Vegas'** December 1-25 rainfall of 1.76 inches exceeded its precipitation total of 1.59 inches during all of 2009. Meanwhile, significant snow continued to blanket the **north-central U.S. Minneapolis-St. Paul (MSP), MN**, received 4.6 inches on December 20 and 4.6 inches on December 23-24. As a result, **MSP** set a December snowfall record of 33.4 inches, previously set with a 33.2-inch total in 1969. In **North Dakota**, daily-record snowfall amounts for December 20 reached 10.2 inches in **Williston** and 5.5 inches in **Fargo**. The following day, snowfall records for December 21 included 7.3 inches in **Rhinelander, WI**, and 5.8 inches in **Duluth, MN.** On December 21, **Rochester, MN**, tied its all-time snow depth record of 29 inches (previously set on January 25, 1982). **Rochester** also set a record for its snowiest month (previously, 35.3 inches in December 2000), with 41.3 inches recorded by December 25. Toward week's end, snow spread across the remainder of the **Midwest** and into parts of the **Southeast**. Daily-record snowfall totals for Christmas Eve, December 24, reached 9.5 inches in **Waterloo, IA**; 6.6 inches in **Peoria, IL**; and 3.2 inches in **Paducah, KY.** December 25 featured the first Christmas Day accumulation on record in locations such as **Anniston, AL** (1.0 inch); **Tupelo, MS** (1.4 inches); and **Macon, GA** (0.1 inch). It was the snowiest Christmas Day on record in several other cities, including **Asheville, NC** (6.5 inches); **Huntsville, AL** (4.5 inches); and **Greensboro, NC** (4.2 inches). More details on the snowfall, which overspread other parts of the **South** and **East** on December 26, will appear next week.

In advance of the **Western** storminess, unusual warmth overspread the **southern Plains** and parts of the **Southwest**. On December 20-21, consecutive daily-record highs were established in **Texas** locations such as **San Angelo** (85 and 86 degrees F), **Abilene** (84 and 85 degrees F), and **College Station** (81 and 84 degrees F). **Waco, TX** (86 degrees F on December 21), experienced its third-warmest December day on record, behind 91 degrees F on December 24, 1955, and 87 degrees F on December 3, 2005. Other daily-record highs for December 21 included 82 degrees F in **Shreveport, LA**, and 78 degrees F in **Monticello, AR.** Despite some late-week showers, unfavorable dryness persisted in much of the **south-central and southeastern U.S.** For example, **Alexandria, LA**, remained on a pace for its driest December on record. **Alexandria's** driest December occurred in 1984, when 1.69 inch fell, but only 0.47 inch occurred from December 1-25. In **Kansas**, **Wichita** finally received precipitation (totaling a mere 0.06 inch) on December 23-24, ending a 35-day spell (November 17 - December 22) without a measurable amount. Meanwhile, enough cold air lingered in the **Southeast** to result in five freezes during the week in **Jacksonville, FL.** From December 1-25, **Jacksonville's** 15 calendar-day freezes shattered its December record of 12 days set in 2000.

Bitterly cold air remained entrenched across **interior Alaska**, where weekly temperatures locally averaged more than 20 degrees F below normal. In **Fairbanks**, where the temperature last exceeded 0 degrees F on December 4, readings ranged from 0 to -40 degrees F. Meanwhile, some heavy snow fell across **western Alaska**, where **Nome** received 6.3 inches on December 19 and 5.7 inches from December 22-24. Farther south, heavy rain pounded the **western and central Hawaiian islands**, especially early in the week. General showers expanded to cover all of **Hawaii's** windward locations by week's end. In **Honolulu, Oahu**, where 60 percent (8.50 of 14.19 inches) of the year-to-date precipitation fell from December 1-25, a daily-record rainfall total of 5.41 inches occurred on December 19.

National Weather Data for Selected Cities

Weather Data for the Week Ending December 25, 2010

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		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	53	31	62	24	42	-3	0.32	-0.64	0.32	1.14	32	47.66	90	85	37	0	6	1	0
	HUNTSVILLE	50	31	58	25	41	-1	0.53	-0.68	0.48	1.48	33	45.87	81	86	59	0	6	3	0
	MOBILE	61	39	76	31	50	-2	0.35	-0.61	0.35	0.92	24	59.39	91	84	52	0	1	1	0
	MONTGOMERY	58	34	73	27	46	-2	0.15	-0.91	0.15	0.92	22	38.24	71	85	40	0	4	1	0
AK	ANCHORAGE	15	-2	22	-8	7	-10	0.09	-0.13	0.09	0.31	38	15.90	100	83	72	0	7	1	0
	BARROW	0	-14	19	-30	-7	5	0.02	0.02	0.01	0.14	1400	5.47	136	87	78	0	7	2	0
	FAIRBANKS	-17	-32	0	-40	-24	-17	0.00	-0.17	0.00	0.18	33	10.28	101	***	***	0	7	0	0
	JUNEAU	24	10	31	3	17	-11	0.05	-1.19	0.04	1.15	27	53.13	93	87	71	0	7	2	0
	KODIAK	31	23	41	16	27	-3	0.47	-1.29	0.33	2.00	34	66.19	90	67	55	0	7	4	0
	NOME	14	1	25	-9	8	0	0.78	0.58	0.57	1.46	183	14.11	86	81	68	0	7	5	1
AZ	FLAGSTAFF	40	30	46	19	35	5	1.87	1.48	0.91	2.60	186	26.95	120	97	77	0	3	3	2
	PHOENIX	70	52	76	45	61	7	0.28	0.09	0.14	0.38	58	8.45	105	77	57	0	0	3	0
	PRESCOTT	52	36	57	26	44	7	1.04	0.76	0.65	1.60	163	20.69	110	91	55	0	2	3	1
	TUCSON	70	47	74	37	59	8	0.18	-0.06	0.18	0.26	35	10.92	92	69	41	0	0	1	0
AR	FORT SMITH	51	35	61	30	43	3	0.33	-0.34	0.33	0.33	11	33.46	77	82	50	0	2	1	0
	LITTLE ROCK	51	34	74	25	43	1	0.09	-0.88	0.08	0.24	6	34.67	69	89	49	0	3	2	0
CA	BAKERSFIELD	62	49	70	43	55	9	3.36	3.19	1.54	5.33	1025	12.00	192	92	69	0	0	5	3
	FRESNO	57	47	60	42	52	8	2.46	2.16	0.90	4.35	458	14.94	138	95	84	0	0	5	2
	LOS ANGELES	62	52	66	47	57	0	6.25	5.84	2.39	8.13	635	19.33	153	93	80	0	0	5	4
	REDDING	52	43	54	36	48	3	2.32	1.26	1.00	5.92	176	36.94	115	95	86	0	0	5	2
	SACRAMENTO	55	46	58	40	50	5	2.26	1.72	1.18	5.16	282	22.46	130	97	76	0	0	3	2
	SAN DIEGO	63	55	67	50	59	2	4.29	3.99	2.07	4.34	488	15.61	151	89	76	0	0	5	2
	SAN FRANCISCO	56	47	59	41	52	3	2.49	1.84	1.37	4.99	232	23.14	120	88	77	0	0	4	2
	STOCKTON	57	45	61	39	51	7	1.72	1.33	0.76	3.55	261	18.06	135	98	89	0	0	4	2
CO	ALAMOSA	46	27	52	18	36	20	0.11	0.05	0.09	0.33	150	5.94	83	88	70	0	6	2	0
	CO SPRINGS	49	22	69	14	36	7	0.00	-0.08	0.00	0.01	4	9.31	54	79	41	0	7	0	0
	DENVER INTL	48	18	61	13	33	4	0.00	-0.06	0.00	0.01	5	12.65	94	79	33	0	7	0	0
	GRAND JUNCTION	51	36	54	28	43	16	0.24	0.13	0.17	0.28	80	8.45	96	89	68	0	3	4	0
	PUEBLO	49	20	69	12	34	4	0.00	-0.08	0.00	0.08	30	11.25	92	87	66	0	7	0	0
CT	BRIDGEPORT	36	26	39	22	31	-3	0.00	-0.76	0.00	3.01	111	44.86	103	66	48	0	7	0	0
	HARTFORD	35	23	40	17	29	0	0.00	-0.78	0.00	4.05	142	42.25	93	75	51	0	7	0	0
DC	WASHINGTON	40	30	45	25	35	-3	0.00	-0.67	0.00	1.81	76	34.81	90	63	43	0	6	0	0
DE	WILMINGTON	38	26	41	20	32	-3	0.00	-0.74	0.00	1.95	73	43.50	103	72	46	0	7	0	0
FL	DAYTONA BEACH	65	38	76	35	51	-9	0.02	-0.57	0.02	0.42	20	39.42	81	94	49	0	0	1	0
	JACKSONVILLE	62	32	75	27	47	-7	0.27	-0.31	0.27	0.31	16	33.38	65	95	48	0	6	1	0
	KEY WEST	70	58	74	55	64	-7	0.00	-0.48	0.00	0.18	11	38.92	101	93	67	0	0	0	0
	MIAMI	74	55	76	50	64	-5	0.00	-0.46	0.00	0.81	45	64.69	111	88	49	0	0	0	0
	ORLANDO	67	41	76	38	54	-8	0.08	-0.42	0.08	0.28	15	45.22	94	91	58	0	0	1	0
	PENSACOLA	59	39	75	34	49	-4	0.42	-0.43	0.42	1.40	46	62.88	99	84	55	0	0	1	0
	TALLAHASSEE	63	32	76	27	47	-6	0.36	-0.56	0.36	1.39	45	58.44	94	88	60	0	6	1	0
	TAMPA	66	45	71	38	56	-7	0.03	-0.47	0.03	0.56	31	40.35	91	88	50	0	0	1	0
	WEST PALM BEACH	72	50	76	46	61	-7	0.00	-0.59	0.00	0.78	29	52.87	87	91	58	0	0	0	0
GA	ATHENS	51	28	66	23	40	-4	0.49	-0.33	0.45	1.83	64	47.63	101	87	55	0	5	2	0
	ATLANTA	51	31	65	27	41	-3	0.33	-0.48	0.33	1.62	54	48.14	97	79	51	0	5	1	0
	AUGUSTA	55	27	73	21	41	-5	0.09	-0.65	0.09	0.97	42	28.42	65	87	52	0	6	1	0
	COLUMBUS	56	34	70	30	45	-3	0.22	-0.74	0.22	1.56	45	37.27	78	86	40	0	3	1	0
	MACON	57	30	71	25	44	-3	0.13	-0.75	0.13	1.08	36	44.08	100	87	40	0	5	1	0
	SAVANNAH	58	32	72	25	45	-5	0.52	-0.13	0.52	1.44	71	36.17	74	84	46	0	6	1	1
HI	HILO	80	67	83	64	74	2	0.84	-1.23	0.73	6.04	66	62.00	50	90	86	0	0	4	1
	HONOLULU	78	69	80	68	74	0	5.69	5.03	4.19	8.43	383	14.15	80	95	87	0	0	3	2
	KAHULUI	82	67	83	65	74	1	1.77	1.06	0.76	3.50	154	9.43	52	91	85	0	0	4	1
	LIHUE	82	69	85	67	76	3	3.85	2.78	1.58	8.41	222	23.05	60	94	86	0	0	5	3
ID	BOISE	44	29	49	27	37	7	0.60	0.32	0.60	2.22	204	13.98	117	85	68	0	7	1	1
	LEWISTON	37	27	42	21	32	-1	0.28	0.06	0.27	1.25	154	13.94	112	88	77	0	6	2	0
	POCATELLO	36	26	43	20	31	6	0.76	0.54	0.44	1.76	215	11.02	90	93	82	0	7	3	0
IL	CHICAGO/O'HARE	29	18	35	6	24	-2	0.57	0.07	0.20	1.68	82	36.94	103	90	78	0	7	4	0
	MOLINE	31	16	38	-6	24	-1	0.51	0.05	0.46	1.57	86	45.02	120	87	78	0	7	4	0
	PEORIA	31	20	37	6	26	0	0.45	-0.03	0.40	1.43	69	41.80	117	90	75	0	7	4	0
	ROCKFORD	30	12	36	4	21	-2	0.65	0.23	0.37	1.46	83	36.81	101	81	71	0	7	4	0
	SPRINGFIELD	34	25	42	20	30	1	0.38	-0.16	0.30	0.83	39	46.12	131	92	71	0	7	3	0
IN	EVANSVILLE	38	26	44	16	32	-2	0.21	-0.52	0.20	1.42	47	32.42	74	84	70	0	6	2	0
	FORT WAYNE	29	19	33	3	24	-4	0.05	-0.54	0.04	0.85	37	32.91	91	89	71	0	7	2	0
	INDIANAPOLIS	32	22	34	12	27	-3	0.43	-0.20	0.38	1.59	63	33.56	83	91	75	0	7	3	0
	SOUTH BEND	29	21	34	11	25	-2	0.07	-0.59	0.02	1.26	49	31.70	81	88	76	0	7	4	0
IA	BURLINGTON	32	22	39	12	27	1	0.04	-0.38	0.04	0.60	34	53.25	142	93	75	0	7	1	0
	CEDAR RAPIDS	27	13	33	-4	20	-2	0.15	-0.13	0.08	0.60	47	40.32	121	96	77	0	7	3	0
	DES MOINES	31	20	37	13	26	2	0.35	0.09	0.34	0.68	61	51.70	150	82	73	0	7	2	0
	DUBUQUE	27	11	32	-4	19	-2	0.98	0.65	0.55	2.76	193	46.37	132	91	82	0	7	5	1
	SIOUX CITY	29	15	35	-3	22	1	0.98	0.87	0.45	1.67	321	32.76	127	88	79	0	7	5	0
	WATERLOO	27	12	33	-14	19	-1	0.82	0.62	0.56	1.80	189	42.77	130	92	82	0	7	3	1
KS	CONCORDIA	35	22	47	15	28	-1	0.02	-0.15	0.02	0.05	7	31.86	113	90	72	0	7	1	0
	DODGE CITY	43	21	66	15	32	0	0.00	-0.17	0.00	0.23	39	25.14	113	85	49	0	7	0	0
	GOODLAND	42	17	56	11	30	1	0.00	-0.07	0.00	0.03	11	19.34	99	87	66	0	7	0	0
	TOPEKA	42	25	54	18	34	4	0.07	-0.21	0.07	0.07	6	36.37	103	79	63	0	7	1	0

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending December 25, 2010

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC 1	PCT. NORMAL SINCE DEC 1	TOTAL, IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	42	27	62	20	35	3	0.06	-0.22	0.04	0.06	6	28.11	93	85	63	0	6	2	0
KY	JACKSON	31	24	35	20	27	-10	0.22	-0.70	0.07	2.64	75	44.94	92	89	74	0	7	5	0
	LEXINGTON	32	25	37	19	29	-6	0.29	-0.60	0.12	2.02	63	37.57	83	87	72	0	7	4	0
	LOUISVILLE	36	27	41	21	32	-4	0.13	-0.66	0.06	1.13	37	37.96	87	89	66	0	6	4	0
	PADUCAH	42	28	50	16	35	-1	0.31	-0.61	0.30	1.47	39	35.92	74	89	52	0	6	2	0
LA	BATON ROUGE	64	40	77	31	52	0	0.56	-0.61	0.56	0.80	19	51.46	83	95	49	0	2	1	1
	LAKE CHARLES	66	45	74	34	55	3	0.52	-0.48	0.44	0.76	21	33.33	59	89	55	0	0	2	0
	NEW ORLEANS	64	45	76	37	54	0	0.63	-0.44	0.63	0.85	20	52.60	83	85	55	0	0	1	1
	SHREVEPORT	60	40	82	29	50	3	0.16	-0.84	0.12	0.16	4	30.47	60	82	46	0	1	2	0
ME	CARIBOU	31	22	38	10	27	12	0.04	-0.68	0.04	5.31	211	43.72	119	86	68	0	6	1	0
	PORTLAND	36	25	40	17	30	4	0.40	-0.52	0.17	3.16	93	51.64	115	80	59	0	7	5	0
MD	BALTIMORE	40	27	45	21	33	-2	0.01	-0.73	0.01	1.94	74	43.44	105	65	44	0	7	1	0
MA	BOSTON	37	27	41	23	32	-1	0.04	-0.79	0.03	1.04	35	47.10	113	76	52	0	7	2	0
	WORCESTER	31	22	35	16	27	-1	0.01	-0.82	0.01	3.19	106	49.44	102	82	58	0	7	1	0
MI	ALPENA	29	21	32	13	25	2	0.00	-0.39	0.00	0.63	44	25.68	92	85	72	0	7	0	0
	GRAND RAPIDS	31	24	36	22	28	2	0.06	-0.48	0.05	0.88	38	34.96	95	81	66	0	7	2	0
	HOUGHTON LAKE	27	15	32	5	21	-1	0.04	-0.32	0.03	0.83	59	25.18	90	89	79	0	7	2	0
	LANSING	29	21	32	18	25	-1	0.05	-0.39	0.05	0.58	31	26.66	85	84	75	0	7	1	0
	MUSKEGON	31	27	36	23	29	2	0.10	-0.45	0.07	1.15	53	29.97	92	80	69	0	7	2	0
	TRAVERSE CITY	31	18	36	5	25	0	0.21	-0.37	0.19	0.73	35	29.59	90	94	72	0	7	3	0
MN	DULUTH	22	12	28	-8	17	5	0.75	0.60	0.42	0.96	120	35.26	114	86	81	0	7	2	0
	INT'L FALLS	20	9	29	-12	14	7	0.34	0.22	0.20	0.77	138	31.97	134	89	78	0	7	3	0
	MINNEAPOLIS	25	17	32	3	21	4	0.77	0.58	0.36	2.52	311	32.63	112	86	76	0	7	4	0
	ROCHESTER	25	15	32	-1	20	4	2.65	2.47	2.26	10.12	1177	46.31	148	91	82	0	7	5	1
	ST. CLOUD	23	11	30	-6	17	4	0.82	0.68	0.53	1.62	295	33.01	122	93	77	0	7	4	1
MS	JACKSON	58	36	74	28	47	0	0.10	-1.08	0.10	1.02	24	44.35	81	87	44	0	3	1	0
	MERIDIAN	56	34	69	26	45	-3	0.25	-0.91	0.25	0.89	21	41.34	72	89	60	0	5	1	0
	TUPELO	52	31	63	24	42	0	0.28	-1.09	0.28	1.34	27	47.06	86	86	53	0	5	1	0
MO	COLUMBIA	37	26	47	20	32	1	0.56	0.07	0.56	0.87	40	44.47	111	85	66	0	7	1	1
	KANSAS CITY	38	25	49	13	32	2	0.10	-0.22	0.10	0.14	10	41.54	110	86	64	0	7	1	0
	SAINT LOUIS	38	28	45	23	33	0	0.31	-0.26	0.25	0.75	31	38.49	100	82	68	0	6	3	0
	SPRINGFIELD	42	28	52	21	35	0	0.40	-0.21	0.39	0.44	16	45.85	103	87	69	0	5	2	0
MT	BILLINGS	28	12	40	0	20	-5	0.18	0.04	0.18	0.40	87	18.20	125	90	67	0	7	1	0
	BUTTE	27	0	35	-8	14	-3	0.08	-0.03	0.05	0.58	149	15.32	121	89	59	0	7	2	0
	CUT BANK	21	3	37	-4	12	-9	0.00	-0.06	0.00	0.01	5	7.25	59	88	68	0	7	0	0
	GLASGOW	12	-1	21	-13	6	-8	0.54	0.46	0.51	1.06	461	17.65	159	89	85	0	7	4	1
	GREAT FALLS	26	8	46	-4	17	-7	0.33	0.18	0.27	0.70	156	18.50	126	85	66	0	7	3	0
	HAVRE	6	-8	12	-18	-1	-19	0.18	0.07	0.17	1.62	463	15.39	136	86	79	0	7	2	0
	MISSOULA	20	6	26	-1	13	-10	0.39	0.14	0.37	1.13	130	15.96	118	95	86	0	7	2	0
NE	GRAND ISLAND	30	19	39	11	25	0	0.00	-0.11	0.00	0.07	13	29.11	113	87	74	0	7	0	0
	LINCOLN	34	21	43	14	27	2	0.04	-0.11	0.03	0.16	23	34.33	122	89	71	0	7	2	0
	NORFOLK	30	17	41	7	24	1	0.06	-0.05	0.04	0.19	35	29.07	109	87	77	0	7	2	0
	NORTH PLATTE	34	19	46	10	27	2	0.00	-0.08	0.00	0.01	3	22.75	116	89	66	0	7	0	0
	OMAHA	31	21	41	15	26	2	0.16	0.00	0.08	0.45	57	34.91	116	89	77	0	7	2	0
	SCOTTSBLUFF	40	23	48	18	32	7	0.08	-0.03	0.04	0.28	65	15.54	96	94	73	0	7	3	0
	VALENTINE	32	11	51	-2	21	-2	0.01	-0.05	0.01	0.19	73	17.02	88	90	76	0	7	1	0
NV	ELY	34	18	44	-2	26	1	2.30	2.19	1.10	2.76	863	10.55	108	94	89	0	6	5	1
	LAS VEGAS	58	48	65	41	53	7	1.56	1.48	1.02	1.76	677	5.88	135	86	66	0	0	4	1
	RENO	46	27	51	23	36	3	0.58	0.39	0.57	1.31	190	9.17	126	87	75	0	7	2	1
	WINNEMUCCA	45	29	49	25	37	8	0.10	-0.07	0.10	1.07	181	11.75	145	84	67	0	6	1	0
NH	CONCORD	34	19	39	10	26	2	0.06	-0.57	0.06	2.78	117	37.14	100	83	55	0	7	1	0
NJ	NEWARK	39	27	42	24	33	-2	0.00	-0.76	0.00	2.30	81	41.89	92	64	45	0	7	0	0
NM	ALBUQUERQUE	53	37	58	30	45	10	0.08	-0.03	0.08	0.95	297	8.84	95	86	54	0	2	1	0
NY	ALBANY	29	20	31	12	25	-2	0.00	-0.56	0.00	2.35	108	37.24	99	83	64	0	7	0	0
	BINGHAMTON	25	19	28	12	22	-4	0.05	-0.59	0.02	2.34	93	38.58	101	87	73	0	7	3	0
	BUFFALO	27	22	30	21	25	-4	0.08	-0.73	0.04	2.46	79	36.46	91	87	74	0	7	3	0
	ROCHESTER	27	21	31	19	24	-4	0.02	-0.56	0.01	2.39	107	37.21	111	81	72	0	7	2	0
	SYRACUSE	27	20	30	2	24	-3	0.05	-0.58	0.04	6.79	258	45.83	116	86	71	0	7	2	0
NC	ASHEVILLE	41	26	49	21	33	-5	0.64	-0.08	0.63	1.17	44	44.16	95	78	54	0	7	2	1
	CHARLOTTE	48	27	63	18	37	-6	0.26	-0.45	0.26	1.35	56	36.01	84	83	38	0	5	1	0
	GREENSBORO	44	26	58	19	35	-5	0.56	-0.11	0.56	2.03	85	42.54	100	72	39	0	6	1	1
	HATTERAS	44	32	48	26	38	-11	0.23	-0.80	0.14	2.84	83	60.75	107	78	50	0	3	2	0
	RALEIGH	45	29	52	22	37	-5	0.16	-0.51	0.16	1.90	82	36.46	86	70	43	0	6	1	0
	WILMINGTON	47	28	52	24	37	-11	0.05	-0.78	0.04	2.57	87	57.51	102	90	45	0	6	2	0
ND	BISMARCK	17	7	23	-5	12	-2	0.51	0.43	0.39	2.01	648	23.79	142	90	80	0	7	3	0
	DICKINSON	17	6	23	-6	12	-5	0.08	0.02	0.08	0.23	96	14.90	92	91	79	0	7	1	0
	FARGO	20	8	26	-3	14	3	0.68	0.57	0.47	1.30	325	29.02	138	87	77	0	7	4	0
	GRAND FORKS	17	5	22	-8	11	1	0.54	0.43	0.41	0.62	155	27.67	142	96	81	0	7	2	0
	JAMESTOWN	20	9	22	-10	14	1	0.08	0.00	0.05	0.70	233	24.02	131	92	76	0	7	3	0
	WILLISTON	16	-1	23	-18	7	-5	0.58	0.47	0.58	1.56	371	20.89	149	89	81	0	7	1	1
OH	AKRON-CANTON	28	20	30	10	24	-5	0.09	-0.54	0.06	1.83	75	37.73	99	82	72	0	7	3	0
	CINCINNATI	32	23	34	12	27	-6	0.21	-0.51	0.16	1.27	48	36.18	86	89	72	0	7	3	0
	CLEVELAND	29	23	32	14	26	-4	0.04	-0.61	0.03	1.25	47	35.31	92	81	70	0	7	2	0
	COLUMBUS	30	23	32	9	27	-5	0.02	-0.59	0.01	1.17	48	36.18	95	82	70	0	7	2	0
	DAYTON	29	21	31	14	25	-5	0.10	-0.56	0.02	1.23	49	33.38	86	92	74	0	7	3	0
	MANSFIELD	27	19	30	9	23	-5	0.03	-0.65	0.02	0.81	30	38.04	89	87	71	0	7	2	0

Based on 1971-2000 normals

***** Not Available**

Weather Data for the Week Ending December 25, 2010

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	29	20	32	11	25	-3	0.05	-0.51	0.04	1.09	50	34.25	105	81	73	0	7	2	0
	YOUNGSTOWN	27	21	30	11	24	-5	0.16	-0.45	0.07	3.58	144	38.56	103	88	76	0	7	5	0
OK	OKLAHOMA CITY	50	32	77	21	41	2	0.08	-0.33	0.08	0.11	7	32.51	92	80	50	0	4	1	0
	TULSA	48	32	64	20	40	1	0.16	-0.32	0.16	0.16	8	34.07	81	85	56	0	4	1	0
OR	ASTORIA	49	42	52	38	45	3	1.54	-0.71	0.41	8.92	104	77.22	118	88	75	0	0	7	0
	BURNS	32	12	38	5	22	-2	0.48	0.20	0.39	2.24	229	13.72	134	89	80	0	7	3	0
	EUGENE	48	38	51	35	43	4	0.51	-1.26	0.19	4.71	68	43.41	88	89	83	0	0	3	0
	MEDFORD	51	34	59	27	43	5	0.79	0.18	0.47	3.01	125	20.01	112	96	62	0	2	4	0
	PENDLETON	39	24	49	16	32	-1	0.28	-0.02	0.23	1.63	139	17.30	139	92	80	0	7	2	0
	PORTLAND	43	38	47	33	40	0	0.78	-0.45	0.36	6.11	130	44.05	122	87	73	0	0	6	0
	SALEM	49	38	56	31	43	3	0.69	-0.70	0.40	6.27	117	45.77	118	91	79	0	1	5	0
PA	ALLENTOWN	36	23	40	13	29	-2	0.00	-0.72	0.00	3.31	122	50.99	115	75	51	0	7	0	0
	ERIE	29	24	31	18	27	-4	0.10	-0.70	0.05	1.56	50	39.33	93	79	69	0	7	4	0
	MIDDLETOWN	36	26	40	19	31	-1	0.00	-0.68	0.00	2.01	75	39.47	99	68	45	0	7	0	0
	PHILADELPHIA	38	28	41	25	33	-3	0.00	-0.72	0.00	1.87	72	43.09	104	60	45	0	7	0	0
	PITTSBURGH	29	22	30	12	25	-6	0.09	-0.51	0.06	1.06	45	37.34	100	83	66	0	7	3	0
	WILKES-BARRE	30	20	34	11	25	-5	0.00	-0.52	0.00	0.99	47	30.84	83	83	62	0	7	0	0
	WILLIAMSPORT	34	23	37	11	29	-1	0.00	-0.60	0.00	3.74	152	42.81	104	74	53	0	7	0	0
RI	PROVIDENCE	37	26	42	20	32	0	0.02	-0.89	0.01	2.09	63	51.58	113	74	53	0	7	2	0
SC	BEAUFORT	57	33	72	27	45	-5	0.00	-0.72	0.00	0.82	36	37.15	76	83	38	0	5	0	0
	CHARLESTON	55	32	71	26	44	-6	0.24	-0.50	0.23	1.82	75	56.90	112	87	42	0	5	2	0
	COLUMBIA	53	29	69	22	41	-5	0.13	-0.65	0.12	1.02	41	35.09	74	80	42	0	6	2	0
	GREENVILLE	49	30	65	21	39	-3	0.31	-0.55	0.31	1.13	38	42.70	87	86	40	0	5	1	0
SD	ABERDEEN	22	11	29	-10	17	2	0.74	0.66	0.36	1.19	517	26.64	133	88	80	0	7	3	0
	HURON	24	12	32	-7	18	1	0.60	0.54	0.49	0.84	323	30.34	146	92	81	0	7	3	0
	RAPID CITY	30	13	40	3	21	-3	0.15	0.07	0.13	0.26	104	18.89	115	96	77	0	7	2	0
	SIOUX FALLS	26	10	32	-7	18	1	0.36	0.28	0.20	0.86	205	37.58	153	88	81	0	7	3	0
TN	BRISTOL	38	26	48	15	32	-4	0.19	-0.55	0.15	2.34	86	37.06	91	84	57	0	7	3	0
	CHATTANOOGA	45	30	54	23	38	-3	0.45	-0.57	0.40	1.29	33	41.77	78	84	57	0	6	3	0
	KNOXVILLE	41	27	51	20	34	-6	0.40	-0.59	0.22	2.10	59	45.55	96	86	58	0	6	3	0
	MEMPHIS	51	34	67	27	43	1	0.03	-1.17	0.03	1.07	22	46.45	86	81	47	0	5	1	0
	NASHVILLE	43	28	52	20	36	-3	0.17	-0.81	0.08	1.72	46	58.92	125	87	49	0	6	3	0
TX	ABILENE	63	40	85	27	51	7	1.16	0.86	1.15	1.17	122	27.76	118	70	52	0	1	2	1
	AMARILLO	53	27	71	19	40	4	0.00	-0.14	0.00	0.15	38	26.48	136	88	45	0	6	0	0
	AUSTIN	67	44	77	27	55	4	1.48	0.93	0.70	1.48	77	29.11	88	80	64	0	1	3	1
	BEAUMONT	66	50	79	39	58	5	0.62	-0.56	0.55	0.96	23	42.42	72	91	57	0	0	2	1
	BROWNSVILLE	79	57	83	45	68	8	0.01	-0.21	0.01	0.02	2	36.57	134	88	52	0	0	1	0
	CORPUS CHRISTI	75	53	83	38	64	7	0.18	-0.21	0.18	0.41	31	43.71	137	90	64	0	0	1	0
	DEL RIO	68	44	75	38	56	5	0.01	-0.14	0.01	0.01	2	29.78	165	83	65	0	0	1	0
	EL PASO	67	42	72	35	54	9	0.00	-0.17	0.00	0.00	0	6.51	71	59	28	0	0	0	0
	FORT WORTH	60	42	85	33	51	5	0.99	0.40	0.99	0.99	49	30.64	90	78	38	0	0	1	1
	GALVESTON	65	53	74	39	59	2	0.98	0.22	0.96	1.27	46	32.27	75	95	72	0	0	3	1
	HOUSTON	68	51	82	37	59	6	1.03	0.23	1.03	1.08	37	40.77	87	84	63	0	0	1	1
	LUBBOCK	60	35	77	25	48	9	0.00	-0.14	0.00	0.00	0	26.46	143	75	43	0	2	0	0
	MIDLAND	61	34	81	20	48	4	0.02	-0.12	0.02	0.02	4	16.06	110	72	46	0	2	1	0
	SAN ANGELO	67	40	86	26	54	8	0.99	0.79	0.99	0.99	138	20.12	97	72	51	0	1	1	1
	SAN ANTONIO	68	47	76	32	57	6	0.38	-0.05	0.37	0.38	24	37.11	114	93	55	0	1	2	0
	VICTORIA	73	49	82	29	61	7	0.67	0.12	0.67	0.81	41	46.24	117	98	64	0	1	1	1
	WACO	63	44	86	31	54	7	0.63	0.02	0.63	0.63	28	39.95	122	74	50	0	1	1	1
	WICHITA FALLS	57	34	84	21	46	4	0.13	-0.25	0.13	0.13	10	28.96	102	76	47	0	4	1	0
UT	SALT LAKE CITY	41	32	51	28	37	8	1.96	1.71	0.63	2.56	278	18.24	113	99	83	0	5	5	2
VT	BURLINGTON	26	17	32	7	22	-1	0.38	-0.06	0.24	3.38	186	40.51	114	92	76	0	7	3	0
VA	LYNCHBURG	41	24	50	15	33	-4	0.21	-0.50	0.21	2.09	83	45.61	107	73	46	0	7	1	0
	NORFOLK	41	31	44	28	36	-7	0.09	-0.59	0.09	1.78	78	49.88	111	69	46	0	6	1	0
	RICHMOND	42	27	47	22	34	-5	0.23	-0.47	0.23	3.08	129	35.71	83	67	42	0	7	1	0
	ROANOKE	39	27	45	21	33	-5	0.32	-0.29	0.32	1.68	74	43.17	103	71	55	0	6	1	0
	WASH/DULLES	38	26	43	16	32	-3	0.00	-0.66	0.00	1.47	60	39.02	95	64	49	0	7	0	0
WA	OLYMPIA	47	34	50	28	41	4	0.70	-1.00	0.22	7.99	123	54.08	109	97	86	0	3	6	0
	QUILLAYUTE	48	42	50	37	45	5	5.05	1.88	1.86	16.75	140	115.53	117	97	86	0	0	7	4
	SEATTLE-TACOMA	49	40	54	36	45	5	1.14	-0.06	0.38	7.97	171	46.27	128	77	56	0	0	7	0
	SPOKANE	33	25	37	19	29	2	0.18	-0.30	0.12	2.25	122	18.08	111	95	80	0	7	3	0
	YAKIMA	36	28	38	22	32	4	0.61	0.31	0.25	2.03	190	10.79	136	95	90	0	6	4	0
WV	BECKLEY	27	20	34	15	24	-10	0.15	-0.52	0.12	2.00	82	43.00	105	88	76	0	7	3	0
	CHARLESTON	32	25	35	20	28	-8	0.14	-0.56	0.07	2.12	78	44.40	102	83	64	0	7	4	0
	ELKINS	27	21	32	19	24	-8	0.02	-0.72	0.01	1.74	63	39.34	87	86	64	0	7	2	0
	HUNTINGTON	32	25	34	18	29	-7	0.08	-0.66	0.05	1.22	45	42.33	102	88	65	0	7	2	0
WI	EAU CLAIRE	26	12	33	-8	19	3	0.10	-0.09	0.07	0.75	87	35.60	111	93	73	0	7	2	0
	GREEN BAY	28	16	33	-4	22	2	0.62	0.36	0.52	1.20	101	37.42	129	89	75	0	7	4	1
	LA CROSSE	28	12	32	1	20	0	0.59	0.37	0.35	2.20	210	42.68	133	94	73	0	7	4	0
	MADISON	28	14	33	1	21	-1	0.37	0.04	0.22	1.38	98	37.75	115	89	78	0	7	3	0
	MILWAUKEE	32	23	36	9	27	2	0.17	-0.29	0.07	1.48	80	35.89	104	82	71	0	7	4	0
WY	CASPER	37	21	41	12	29	6	0.02	-0.09	0.01	0.64	139	11.99	93	84	70	0	7	2	0
	CHEYENNE	41	21	50	13	31	4	0.07	-0.01	0.04	0.17	50	15.51	101	85	61	0	7	2	0
	LANDER	35	16	44	8	26	5	0.05	-0.06	0.03	0.11	23	13.80	104	86	48	0	7	2	0
	SHERIDAN	31	10	44	3	20	-2	0.00	-0.14	0.00	0.14	29	14.27	98	84	73	0	7	0	0

Based on 1971-2000 normals

***** Not Available**

National Agricultural Summary

December 20 – 26, 2010

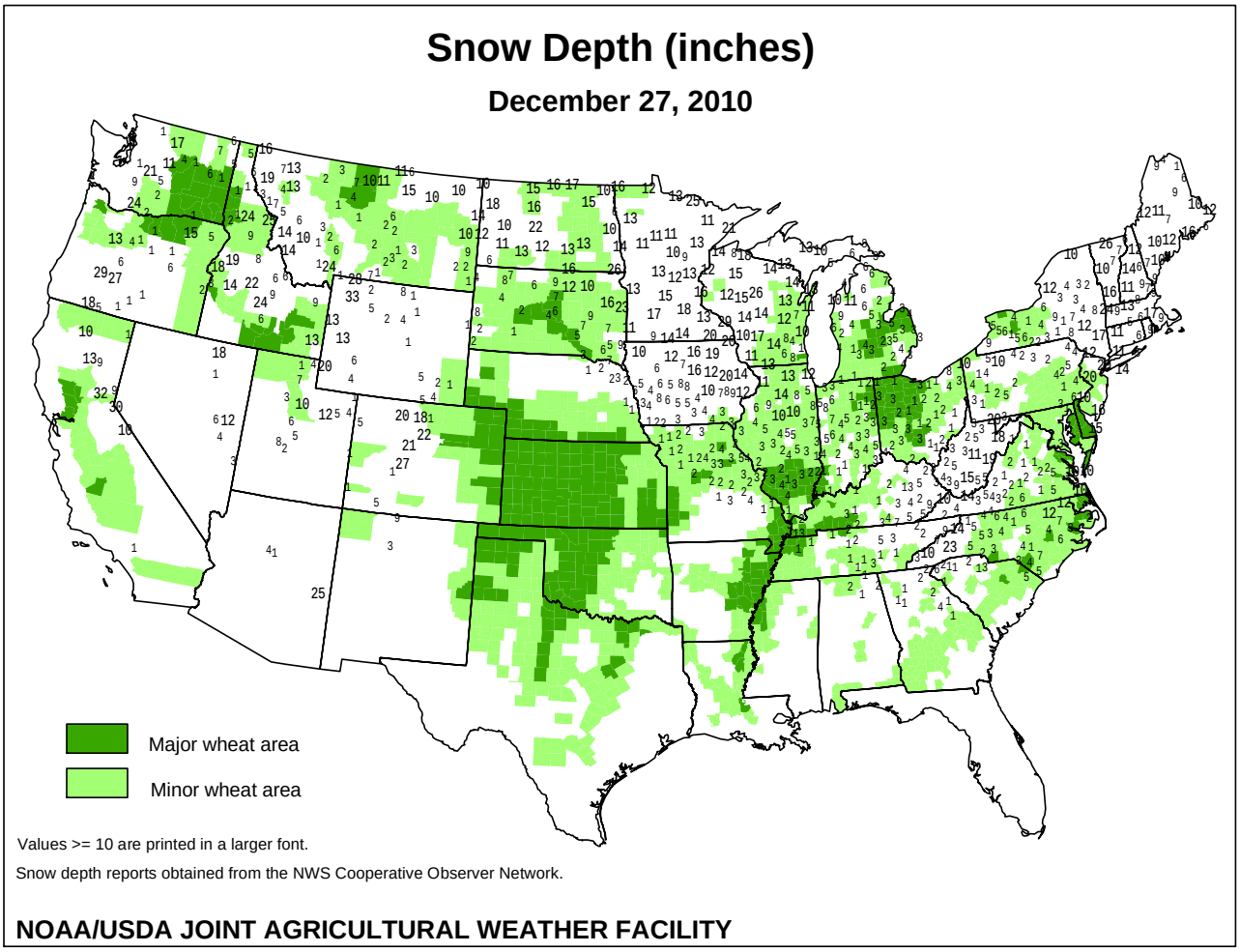
Weekly National Agricultural Summary provided by USDA/NASS

With the exception of portions of the northern Rocky Mountains, much of the country west of the Mississippi River experienced warmer-than-normal temperatures during the week. Conversely, temperatures as many as 10 degrees below normal blanketed much of the Atlantic Coast States. Precipitation was abundant throughout much of California, the Great Basin, and the northern Great Plains, where accumulations totaled 800 percent or more above normal.

Cold, dry weather dominated Florida during the week, with average temperatures falling to as many as 9 degrees below normal. Freeze damage to the newly planted sugarcane crop was being assessed, while producers worried that the cold snap could limit sugar production in the mature crop. Growth of many winter vegetables was slowed by the cold temperatures, as producers continued to utilize preventative measures to protect their crops. Widespread damage was reported in vegetable fields in southern portions of the State. Nursery producers maintained protective measures in both open fields and greenhouses.

Above average temperatures and widespread precipitation were the norms in Arizona during the week. As cotton harvest was winding down, alfalfa hay producers were still actively harvesting in areas of the State. Fruit and vegetable growers shipped a variety of crops including broccoli, cabbage, celery, lettuce, and a selection of citrus.

A low pressure system off of the California coast inundated the State with excessive rainfall early in the week, with the heaviest rains situated over southern locales, but by week's end, dry, seasonably mild conditions had returned. Cotton plowdown was nearly complete, and producers continued fieldwork operations as fields allowed. Orchard growers across the State continued maintenance activities such as pruning and tree removal. Winter vegetables were planted as conditions allowed.



International Weather and Crop Summary

December 19-25, 2010

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

HIGHLIGHTS

EUROPE: Seasonably cold, wet weather over much of the continent maintained favorable conditions for dormant winter crops but caused additional fieldwork delays in the south.

WESTERN FSU: Additional snowfall maintained adequate insulation for dormant winter crops in northern growing areas, while warmer weather reduced crop cold hardiness in the south.

MIDDLE EAST: Dry weather returned to the region on the heels of last week's heavy rain, although pockets of drought persisted from eastern Syria into northwestern and eastern Iran.

NORTHWEST AFRICA: Showers maintained favorable soil moisture for winter grain establishment, though heavy rain likely caused local flooding in Morocco.

SOUTH ASIA: Tropical showers retreated from much of India, while conditions favored winter crop development in the north.

EAST ASIA: Warmer weather returned to eastern China but winter crops remained dormant.

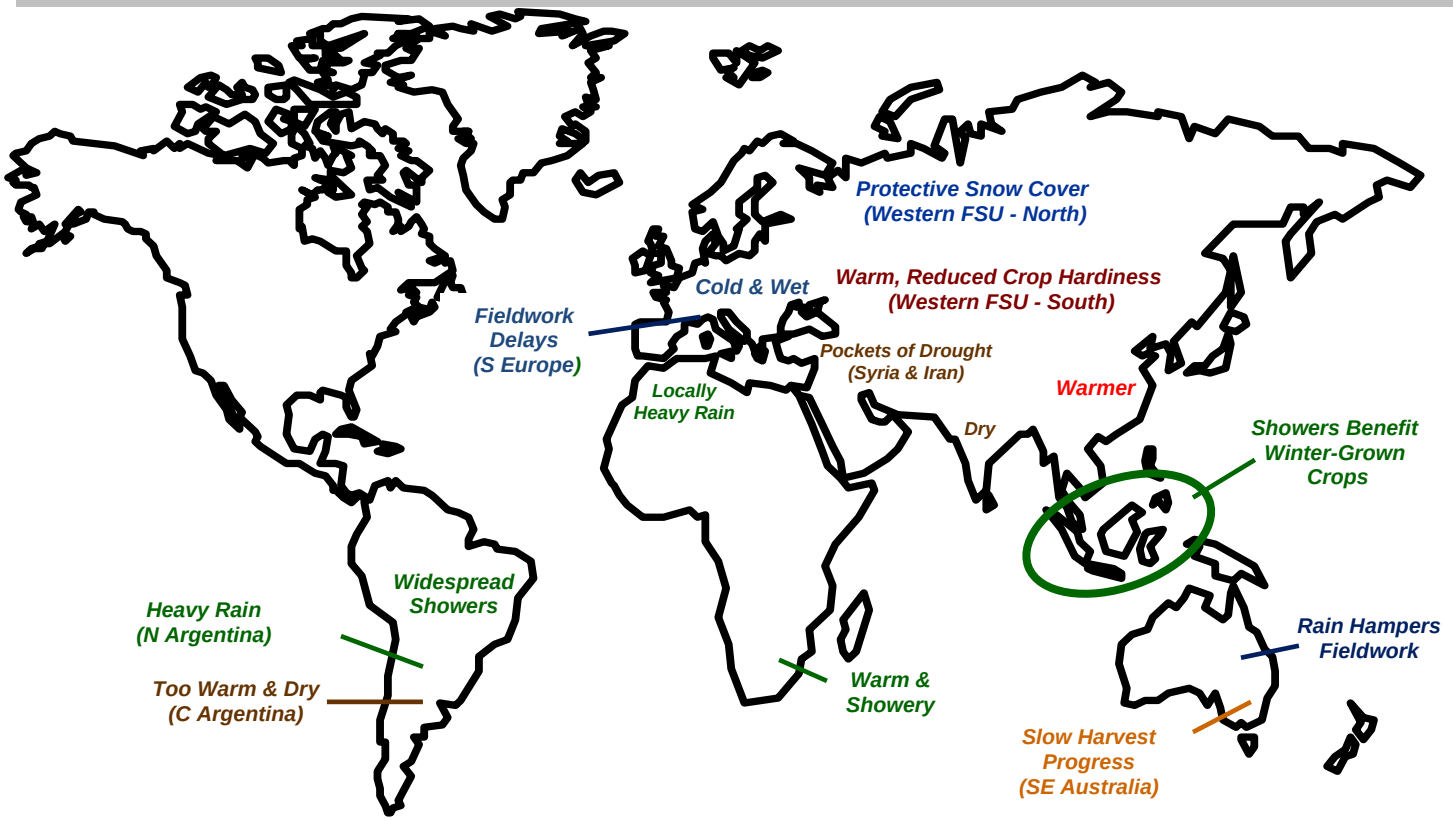
SOUTHEAST ASIA: Showers benefited winter-grown crops across the region.

AUSTRALIA: Winter grain harvesting slowly progressed in southeastern Australia, while rain continued to hamper fieldwork in Queensland.

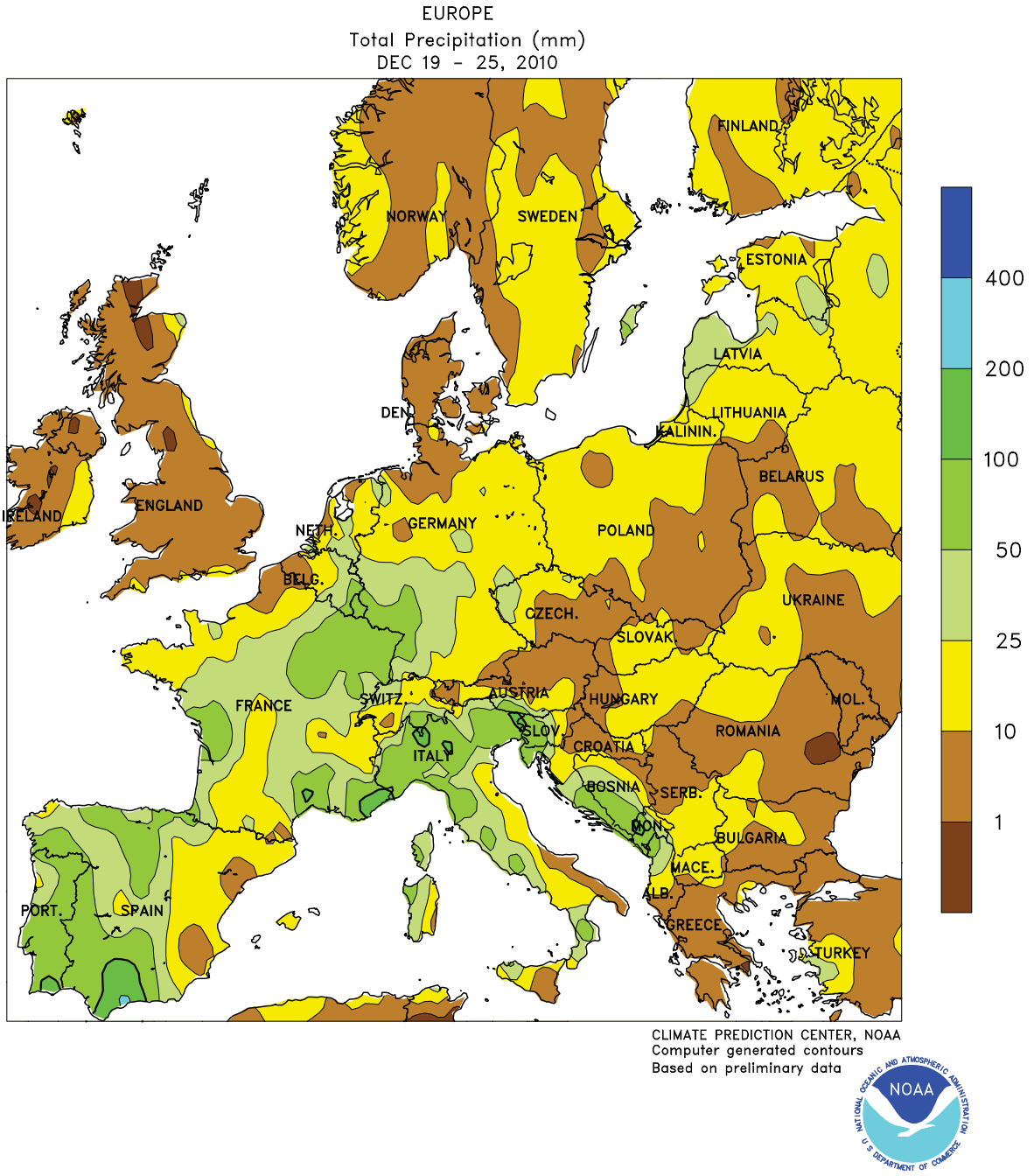
SOUTH AFRICA: Warm, showery weather maintained overall favorable conditions for corn and other summer crops.

ARGENTINA: Rain soaked Argentina's northern farming areas, but heat and dryness stressed summer grains and oilseeds farther south.

BRAZIL: Widespread, locally heavy showers continued across the region, maintaining favorable moisture levels for summer grains, oilseeds, and cotton in most major production areas.

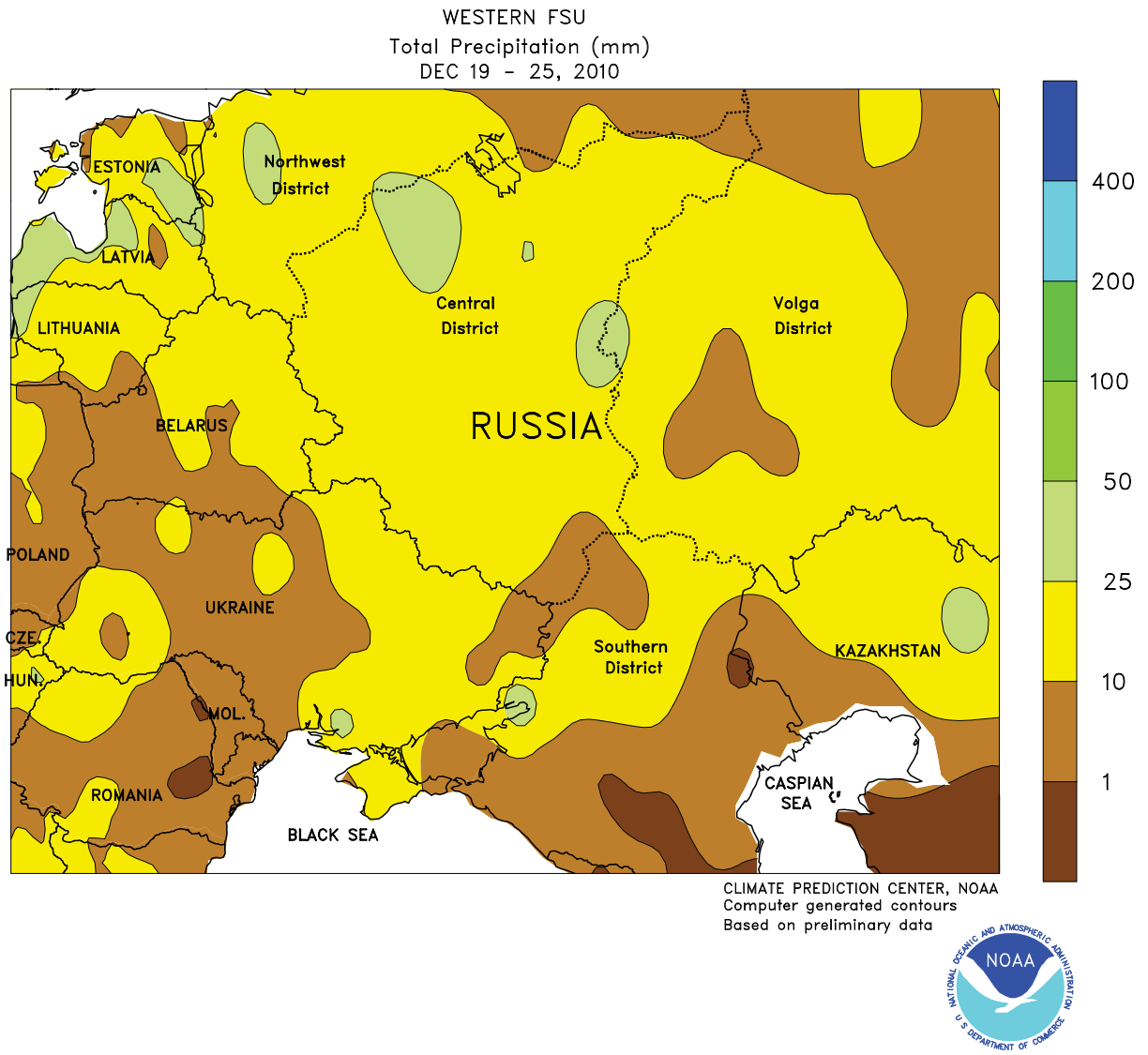


For additional information contact: meteorologists@oce.usda.gov



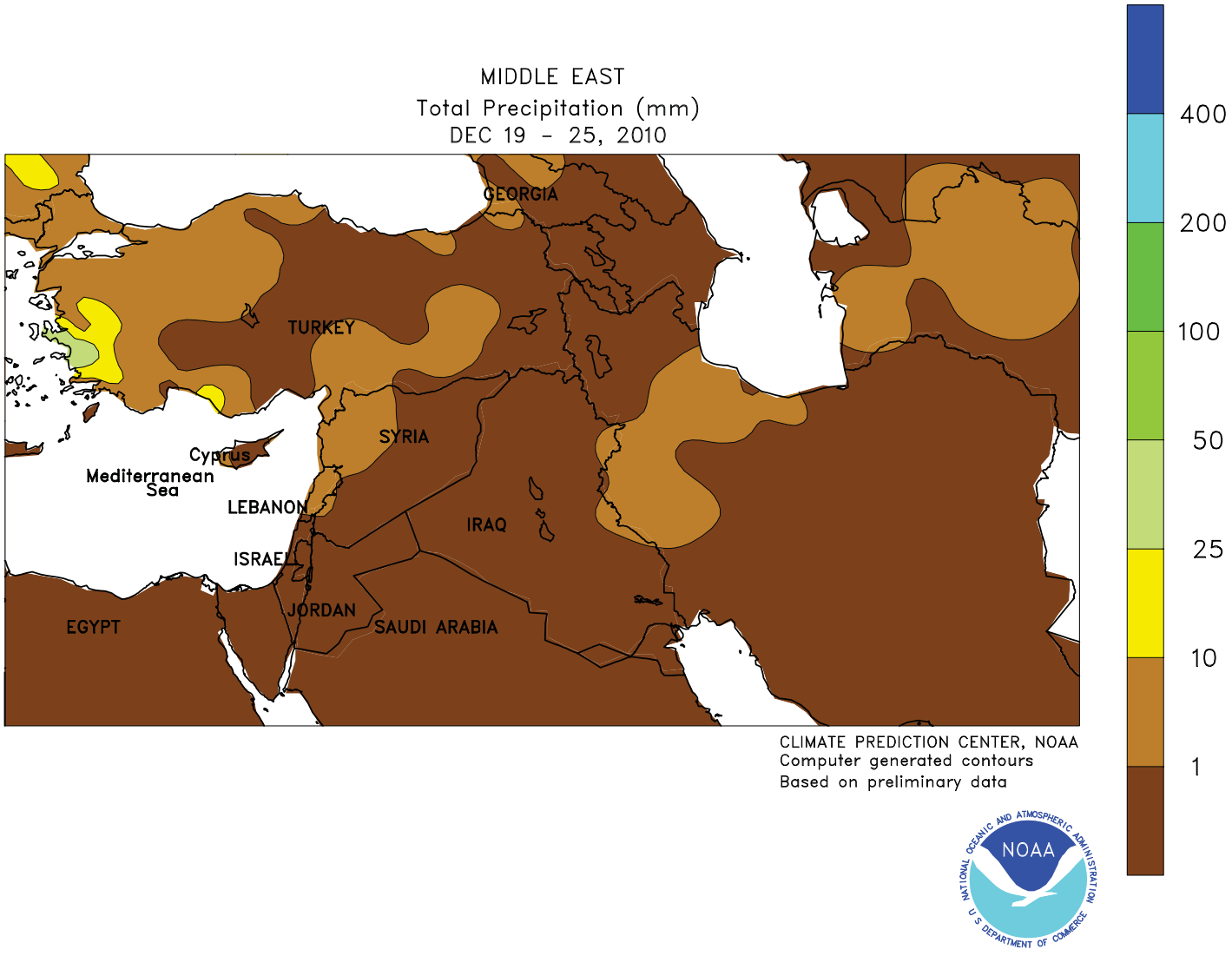
EUROPE

Cold, unsettled weather continued over much of the continent, maintaining favorable overwintering conditions for dormant winter grains. In western Europe, locally heavy rain and late-week snow (10-60 mm liquid equivalent) boosted moisture reserves for dormant winter grains. Notably, moderate to heavy rain (25-100 mm, locally more) in Spain boosted reservoir levels and soil moisture for emerging winter wheat. In Italy, 50 to 100 mm of rain caused additional winter wheat planting delays and may force producers to switch to spring-sown crops. From Germany into Poland and the Baltic States, precipitation (10-50 mm liquid equivalent) fell mostly as snow, with depths in excess of 25 cm (10 inches) by week's end in eastern Germany and northern Poland. Consequently, dormant winter grains and oilseeds are adequately protected from potential incursions of bitter cold. In southeastern Europe, a cold front triggered showers (5-25 mm) as well as late-week snow, maintaining favorable soil moisture reserves for dormant winter crops.



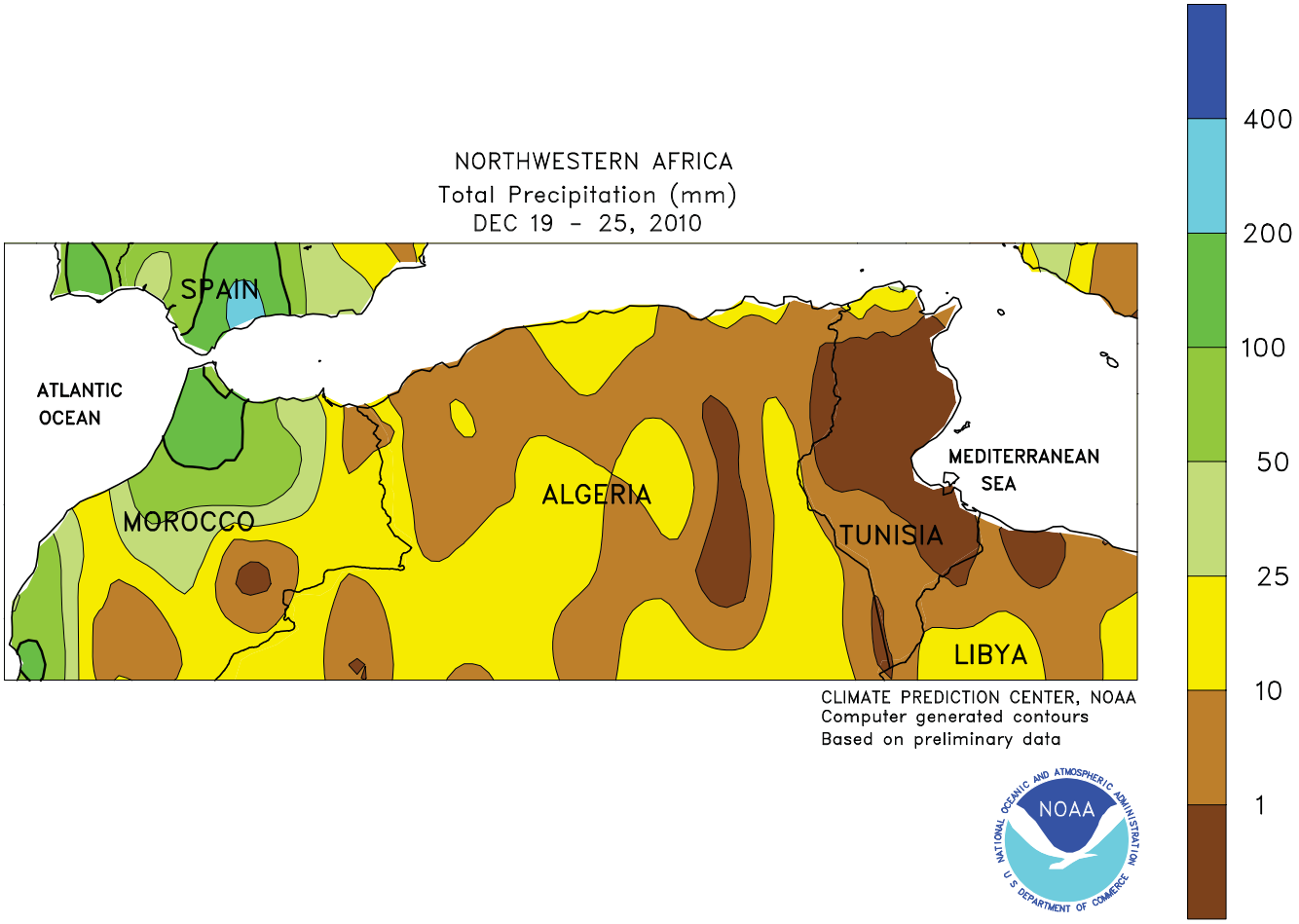
WESTERN FSU

Unsettled, somewhat milder weather persisted over major growing areas, maintaining favorable overwintering conditions for dormant winter grains. Precipitation totaled 5 to 25 mm over most winter crop areas, with snow in the north contrasting with rain or mixed precipitation in Ukraine and Russia's Southern District. A moderate to deep snowpack (5-25 cm) protected dormant winter crops from potential incursions of bitter cold from Belarus into Russia's Volga District. Temperatures averaged up to 8 degrees C above normal in the Southern District, reducing crop cold hardiness. Milder weather (1-4 degrees C above normal) spread northward into southern portions of the Volga and Central Districts, although weekly average temperatures well below 5 degrees C maintained crop dormancy.



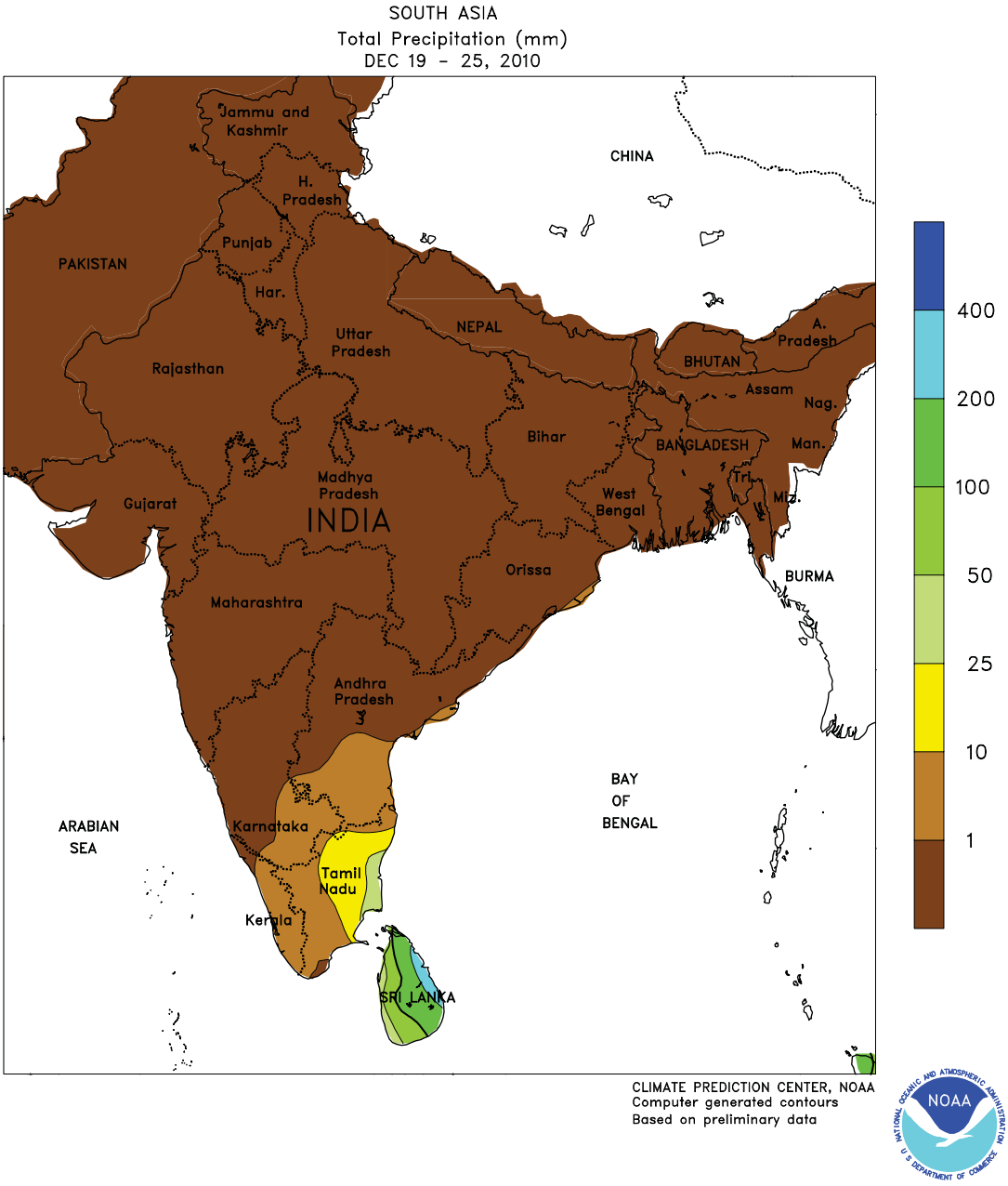
MIDDLE EAST

Dry weather returned to the region on the heels of last week's heavy rain, favoring crop development and late-season fieldwork. Showers (10-35 mm) were confined to western portions of Turkey, with most of the rain falling outside primary growing areas. Sunny, warm weather (2-6 degrees C above normal) promoted crop development across the rest of the region, particularly in areas with adequate soil moisture. However, drought continued to grip wheat districts from eastern Syria into northwestern and eastern Iran, where little if any rain has fallen since early September (the climatological start of the wet season).



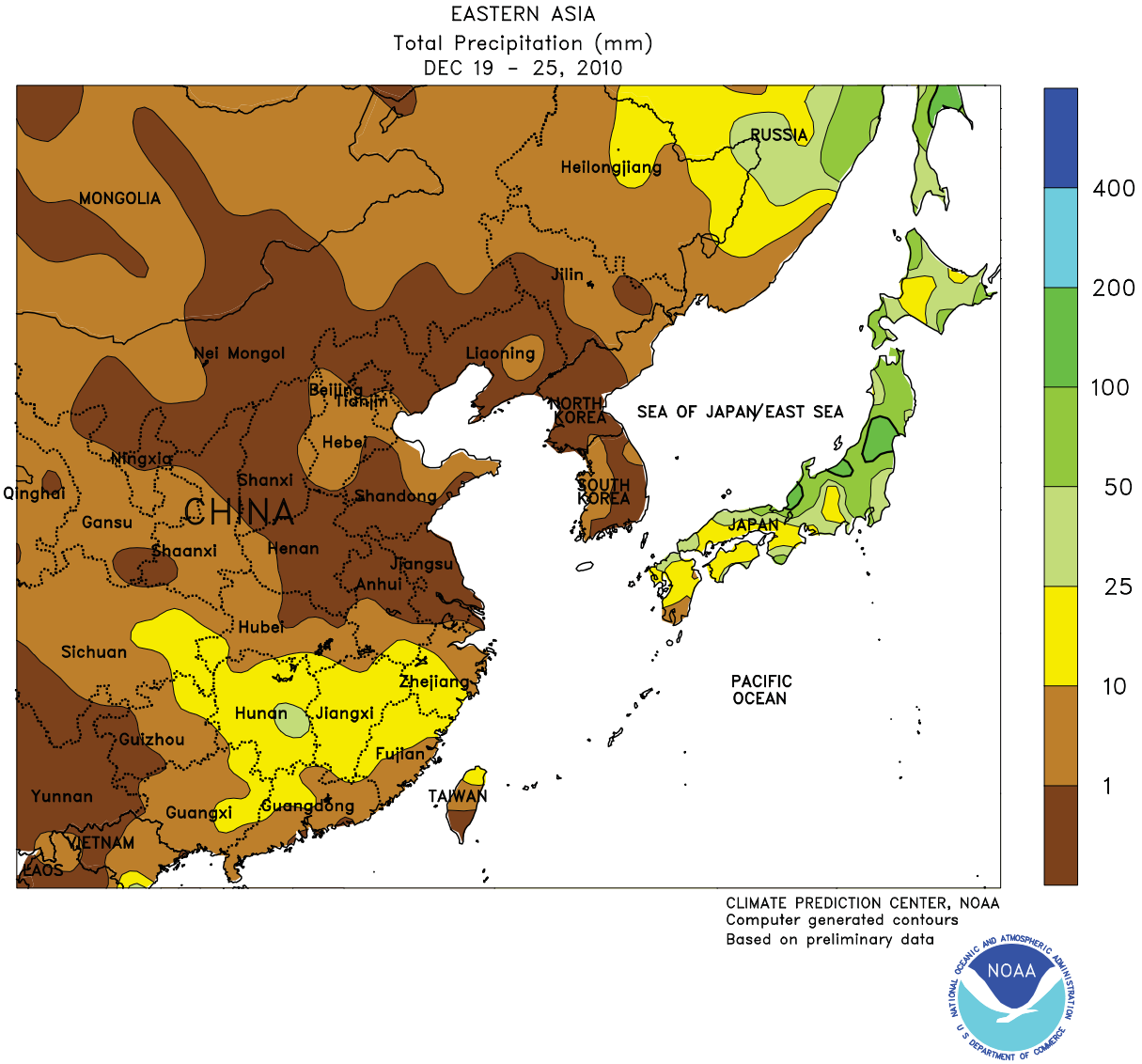
NORTHWESTERN AFRICA

Wet weather persisted across the region, providing additional soil moisture for winter crop establishment. In particular, locally heavy rain (50-190 mm) in Morocco maintained abundant soil moisture for winter grains but caused local flooding. Elsewhere, light showers (2-22 mm) were favorable for vegetative wheat and barley.



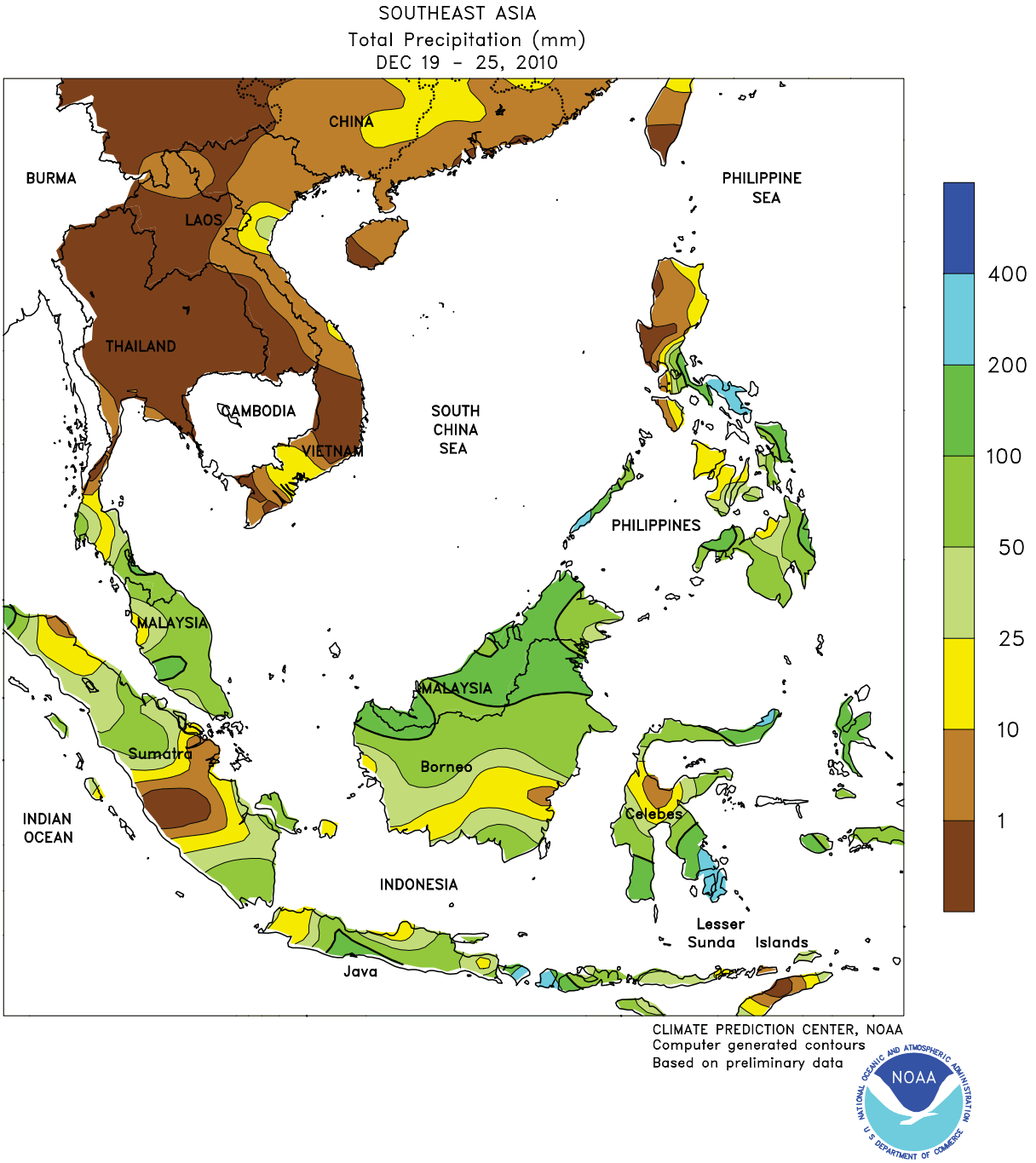
SOUTH ASIA

Seasonably dry weather continued across India as showers (25-100 mm) retreated to Tamil Nadu in the southeast. Despite the lack of rainfall in winter growing areas, moisture supplies remained favorable from abundant summer rains. In addition, mild average temperatures (15-20 degrees C) eased moisture requirements of wheat and rapeseed in northern India.



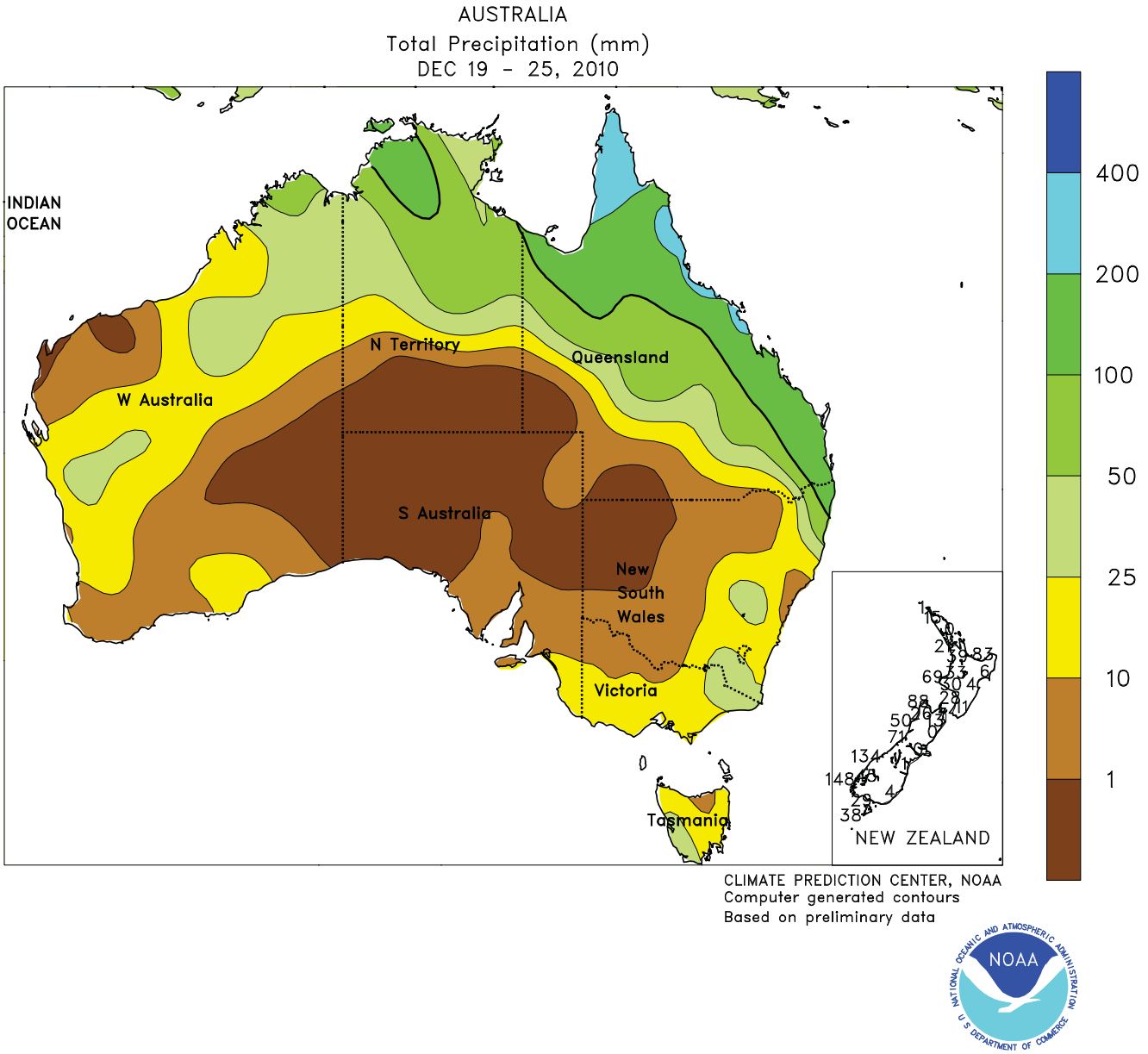
EASTERN ASIA

Warmer weather returned to China's winter cropping areas, raising average temperatures above 5 degrees C as far north as the North China Plain and keeping minimum temperatures above freezing in the more southerly rapeseed areas. Despite the increase in temperatures, however, wheat and rapeseed remained dormant. Dry weather continued across winter growing areas; while typically dry this time of year, a seasonal (since October 1) rainfall deficit of 45 mm existed for wheat on the North China Plain. However, abundant rainfall earlier in the autumn created favorable moisture supplies and, once dormant, winter crop moisture requirements are significantly reduced. Light rain (5-25 mm) fell in southern China, though amounts were much lower than those recorded last week.



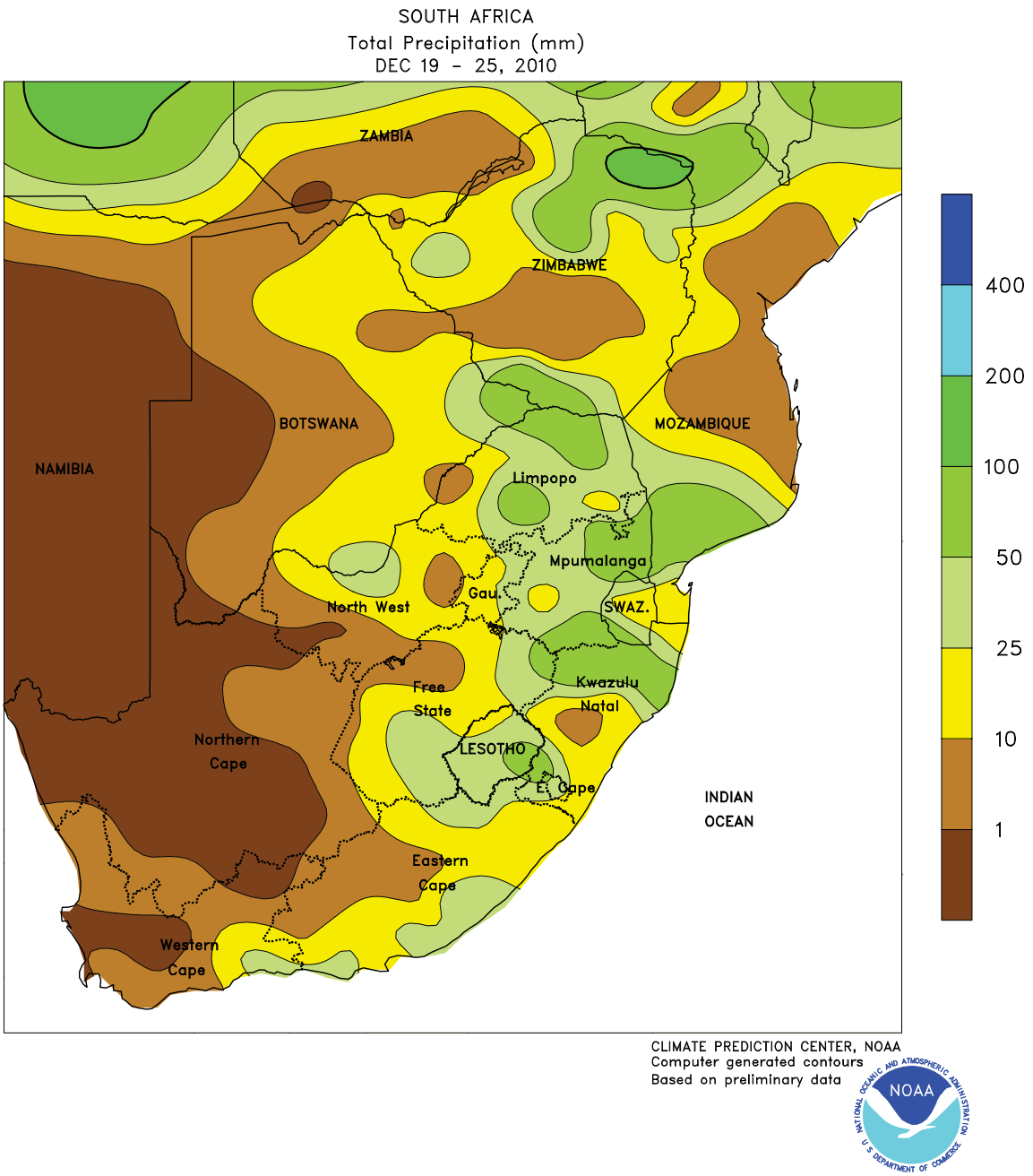
SOUTHEAST ASIA

Showers (25-100 mm) maintained abundant moisture supplies for rice in Indonesia, while somewhat drier conditions favored oil palm harvesting in key growing areas of Sumatra and Kalimantan. In contrast, heavy rainfall (50-100 mm) slowed oil palm harvesting throughout Malaysia. In the Philippines, unseasonably high rainfall totals (50-100 mm, locally more) from southeastern Luzon to Mindanao caused localized flooding, with limited damage to rice and corn. More seasonable amounts (25-50 mm) prevailed elsewhere, benefiting winter-grown rice and corn. Drier conditions prevailed in northern Luzon, but moisture supplies remained adequate to abundant from heavy rainfall in November. In Vietnam, light showers (less than 10 mm) provided some additional moisture to spring rice in the north, while locally higher amounts (greater than 25 mm) benefited rice in the south.



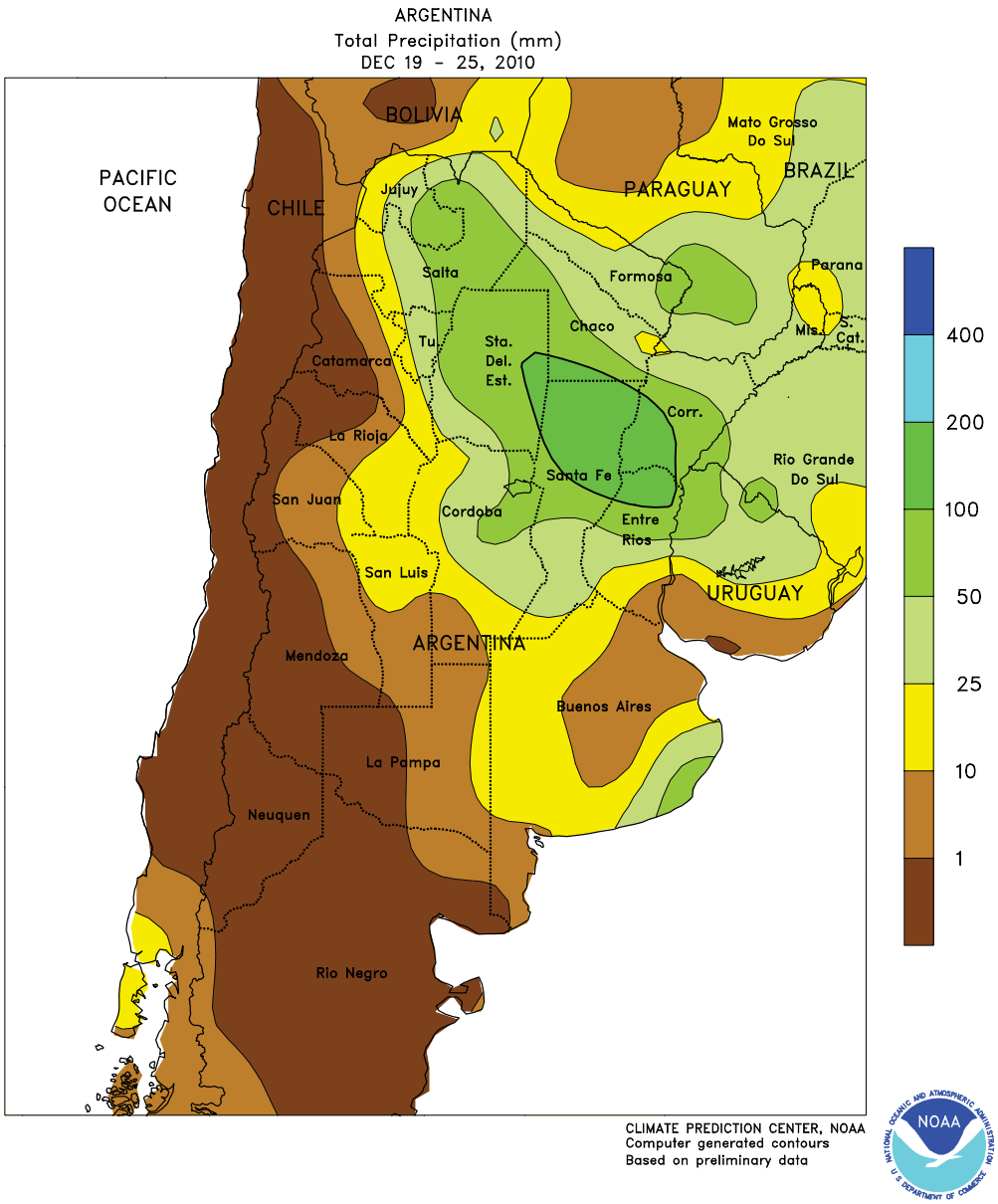
AUSTRALIA

Soaking rains (15-85 mm, locally more) maintained abundant moisture supplies for vegetative summer crops in Queensland but further delayed fieldwork, including winter wheat harvesting. Rain (2-25 mm, locally more) fell throughout much of New South Wales as well, but the heaviest rain was confined to eastern portions of the wheat belt, allowing winter grain harvesting to slowly progress in some areas. Farther south, light showers (1-10 mm) caused only brief harvesting delays in Victoria and South Australia. Following a prolonged dry spell, a tropical disturbance brought welcomed drought relief to Western Australia. The rain (5-25 mm) had little if any negative impact on winter grain harvesting, which is approaching completion. Temperatures in Western Australia averaged about 1 to 3 degrees C above normal, while in southern and eastern Australia, temperatures averaged about 2 to 4 degrees C below normal.



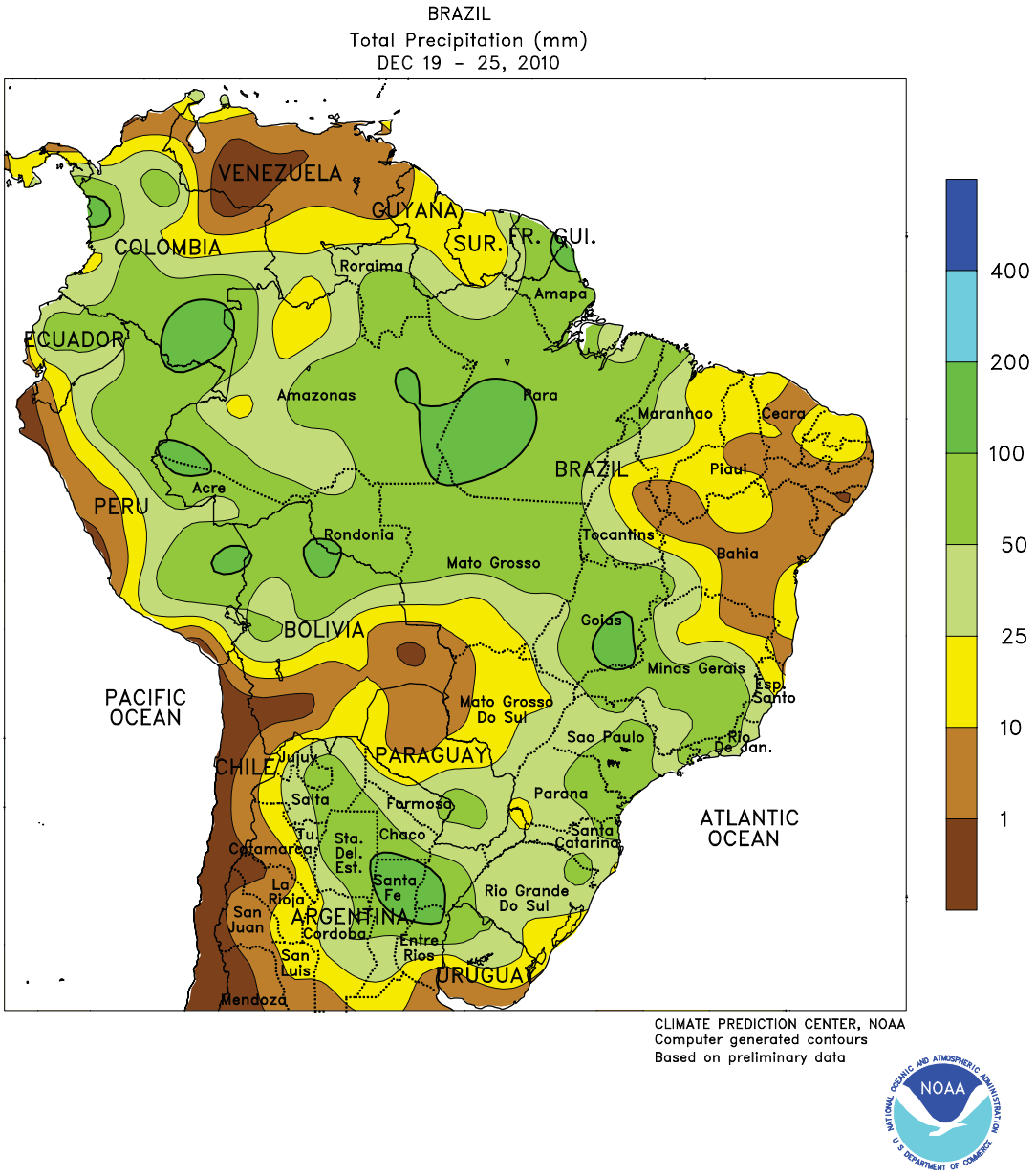
SOUTH AFRICA

Warm, showery weather maintained overall favorable conditions for corn and other summer crops, following last week's soaking rain. Rainfall totaled 5 to 25 mm or more throughout much of the corn belt, with the highest amounts concentrated in the east (southwestern Mpumalanga and nearby locations in Gauteng, Free State, and KwaZulu-Natal). Heavier rain (25-50 mm) fell in outlying production areas of northern Mpumalanga and Limpopo; in contrast, below-normal rainfall (5-25 mm) was recorded in KwaZulu-Natal, increasing irrigation requirements of sugarcane. Light to moderate showers (5-25 mm or more) continued in Eastern Cape but drier conditions prevailed in Western and Northern Cape Provinces. Temperatures averaged near to above normal throughout most major agricultural areas. In the corn belt, highs reached the upper 20s and lower 30s degrees C on several days, although somewhat higher temperatures (35 degrees C or higher) were recorded in KwaZulu-Natal and outlying production areas of Limpopo. In Western Cape, the unseasonable warmth (highs briefly reaching the middle 30s degrees C) spurred growth of tree and vine crops, while in Northern Cape, hot weather (highs in the middle and upper 30s degrees C) early in week spurred growth of irrigated row crops such as corn and cotton.



ARGENTINA

Soaking rain overspread Argentina's northern agricultural districts as heat and dryness intensified in the country's more southerly farming areas. In particular, La Pampa and Buenos Aires recorded their warmest week thus far in the 2010/11 season, with weekly average temperatures about 3 degrees C above normal and highs ranging from the middle 30s to lower 40s degrees C. Scattered showers (5-10 mm or more, with amounts locally exceeding 25 mm as depicted by satellite imagery) accompanied the warmth, but the stressful heat and high evaporative losses combined to limit the benefit of the rain to vegetative summer grains and oilseeds. Temperatures were also unseasonably high (averaging 1 to 2 degrees C above normal with highs reaching the middle 30s degrees C) from southern Cordoba to Entre Rios, an area that contains some of the country's highest yielding farmland. Showers (5-25 mm more) were patchy in this area as well, though summer grains and oilseeds were likely in somewhat better condition due to timely rains over the past few weeks. Nevertheless, a return to a seasonably wetter and milder pattern is needed as early planted summer crops, particularly corn, approach reproduction, though conditions are currently favorable for rapid drydown and harvesting of the region's winter grains. In northern Argentina, moderate to heavy rain (25-50 mm, locally exceeding 100 mm) covered a broad area stretching from Jujuy and Salta south and eastward to northern Uruguay and southern Brazil. The rain was particularly timely for cotton and other summer crops but pastures and fruit crops benefited as well, especially those grown in the drier locations of the northwest. According to Argentina's Ministry of Agriculture, sunflower and corn planting was 98 and 85 percent complete, respectively, as of December 23. In addition, soybeans were 77 percent planted versus 82 percent last year. Wheat harvesting reached 62 percent, compared with 57 percent last year.



BRAZIL

Showers were widespread throughout the country's main agricultural areas, although rainfall amounts were mostly lower than those recorded last week. In southern Brazil, the rainfall (25-50 mm in most areas) was beneficial for soybeans and other summer row crops, particularly earlier planted varieties presently in or nearing reproduction. Farther north, rainfall totaled 25 to 50 mm or more from Mato Grosso eastward through Sao Paulo and southern Minas Gerais, maintaining mostly favorable levels of moisture for summer row crops (soybeans, corn, and cotton) as well as coffee, sugarcane, and citrus. In contrast, dry weather dominated a large section of the northeast, including interior soybean and cotton producing areas in the vicinity of northwestern Bahia. Summer warmth helped to advance crop development, although daytime temperatures (in excess of 35 degrees C) maintained high evaporative losses in the drier parts of the northeastern interior. Planting of the second (safrinha) corn crop is usually underway by now in parts of the Center-West Region (Mato Grosso, Goias, and Mato Grosso do sul); however, this year's late start to the rainy season, which reportedly disrupted soybean planting, may ultimately lead to delays in the planting of winter corn.

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Volume 97

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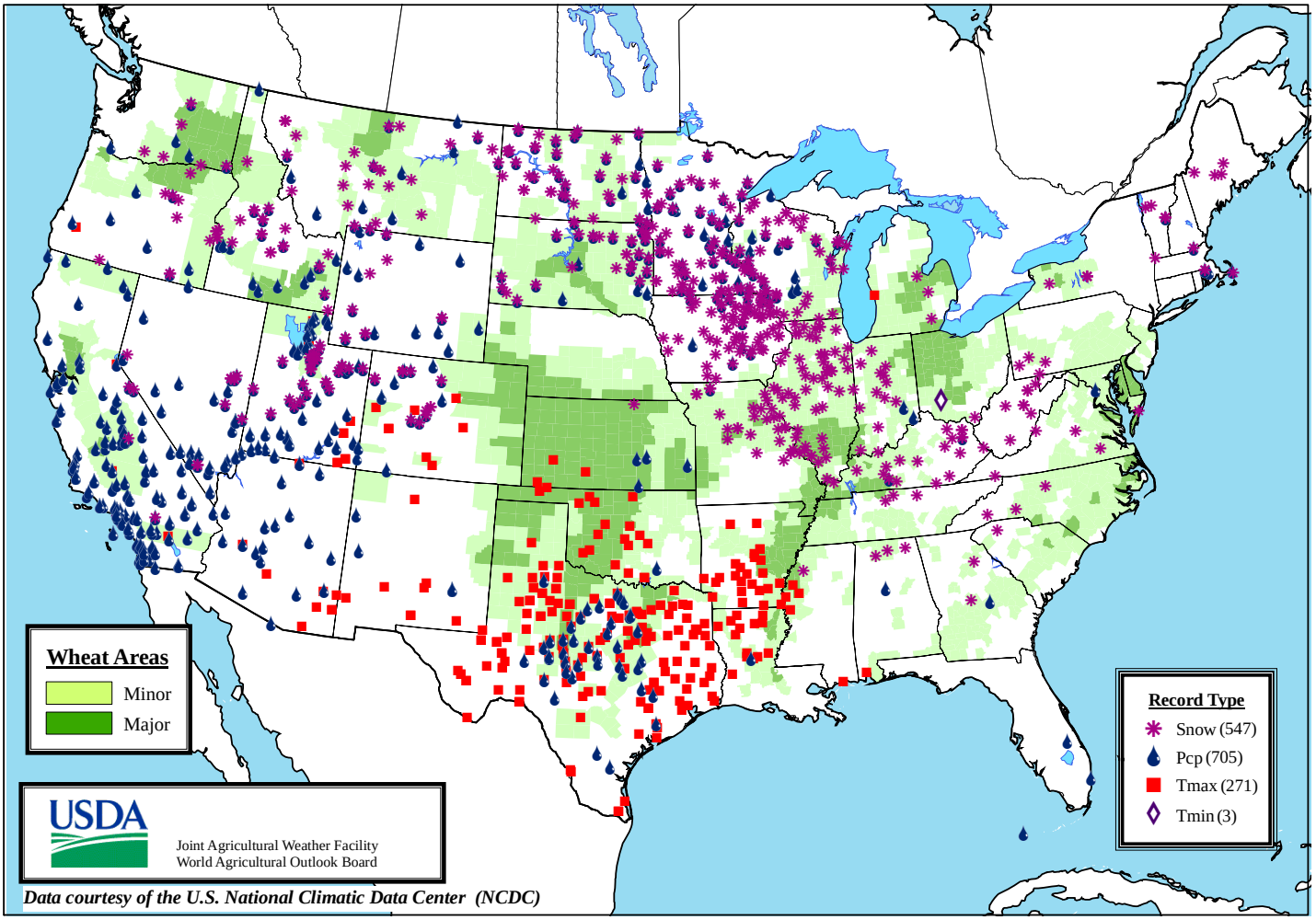
* **w** = weekly, **m** = monthly, **s** = seasonal (published every March, June, September, and December for the preceding 3 months)

Special Features

Daily Weather Records (ASOS & COOP)

December 19-25, 2010



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