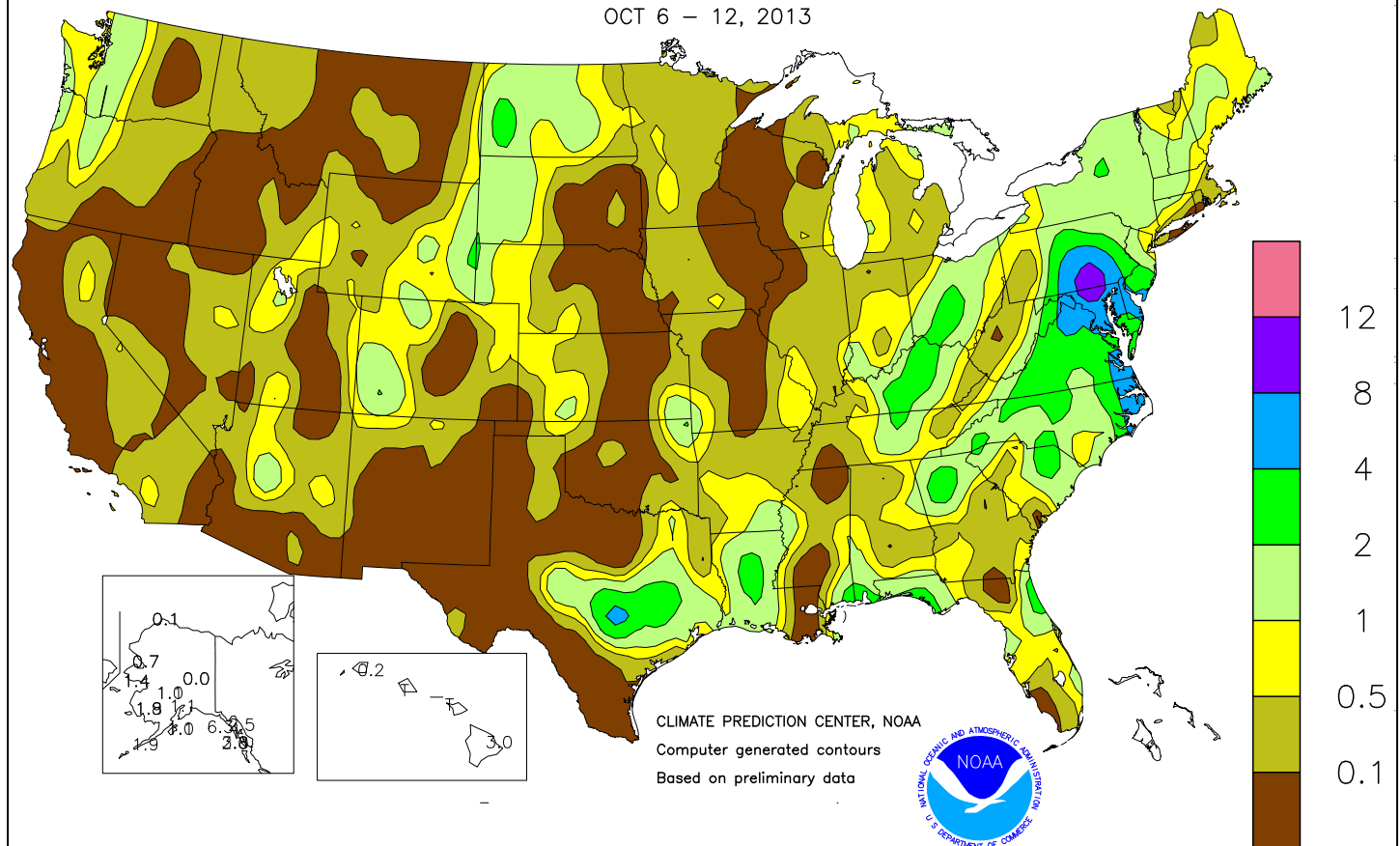


WEEKLY WEATHER AND CROP BULLETIN

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

Total Precipitation (Inches)
OCT 6 – 12, 2013



HIGHLIGHTS

October 6 – 12, 2013

Highlights provided by USDA/WAOB

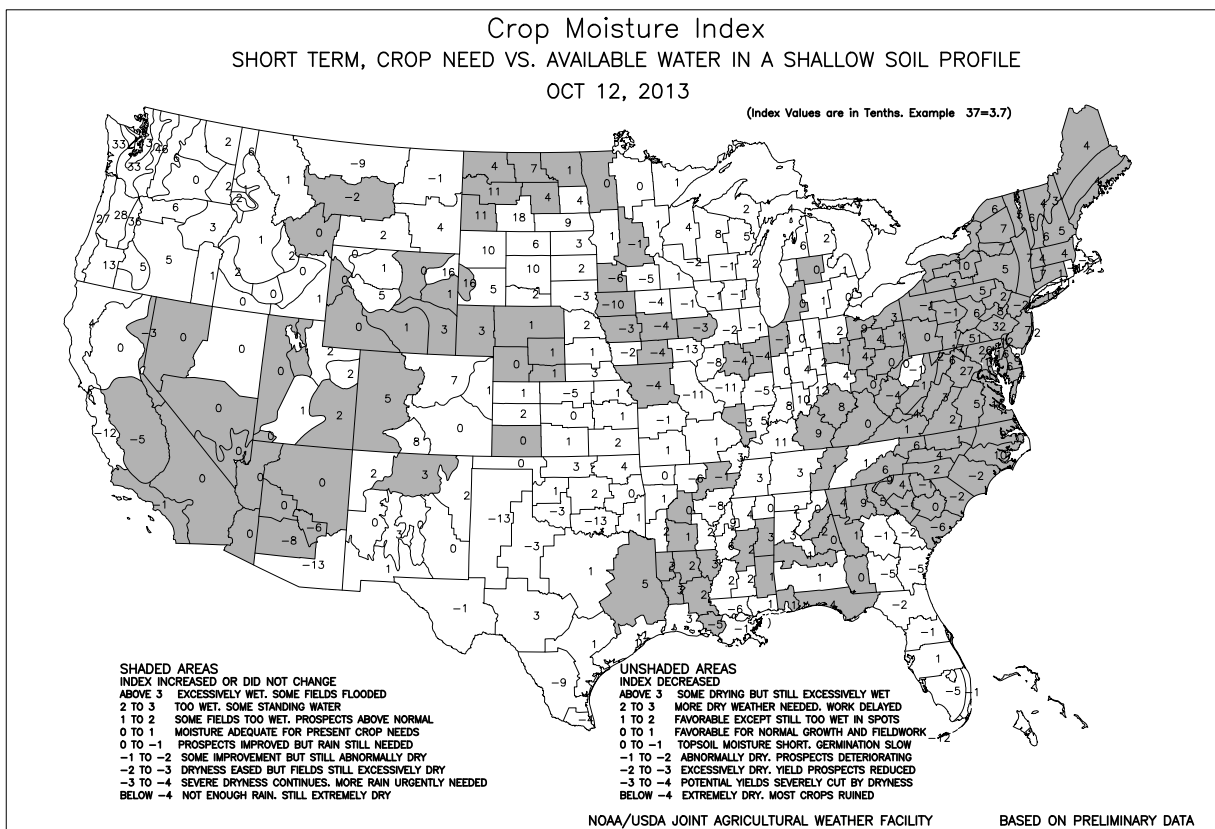
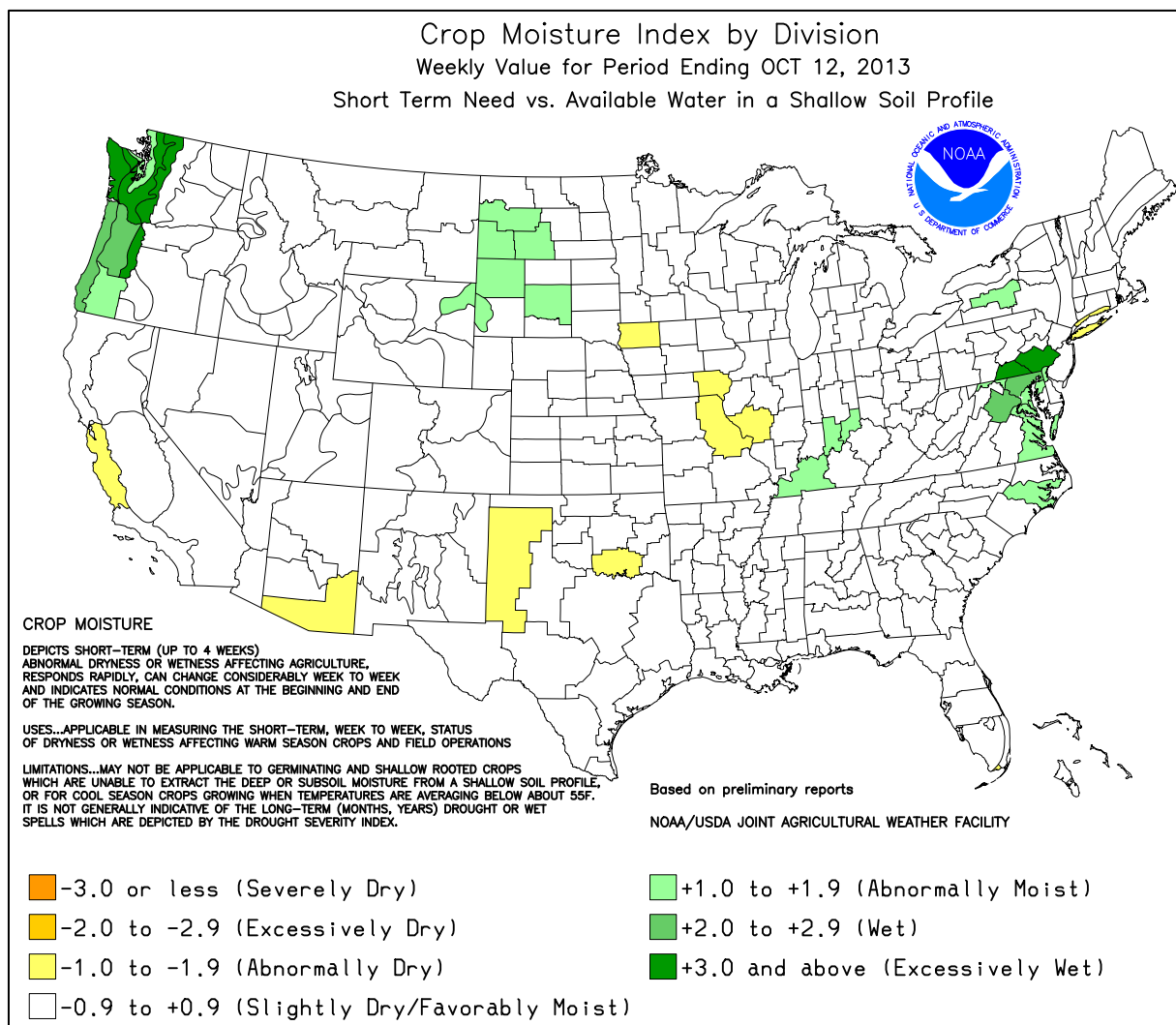
Mild, mostly dry weather prevailed in the **Midwest**, allowing late-planted corn and soybeans to approach maturity and favoring early-season harvest activities. Weekly temperatures averaged more than 5°F above normal in parts of the **upper Midwest**. In contrast, a sustained period of heavy rain affected the **Mid-Atlantic region**, halting fieldwork but eradicating short-term dryness. The **Mid-Atlantic** rainfall was associated with a stalled coastal storm that included remnant moisture and energy associated with former Tropical Storm Karin.

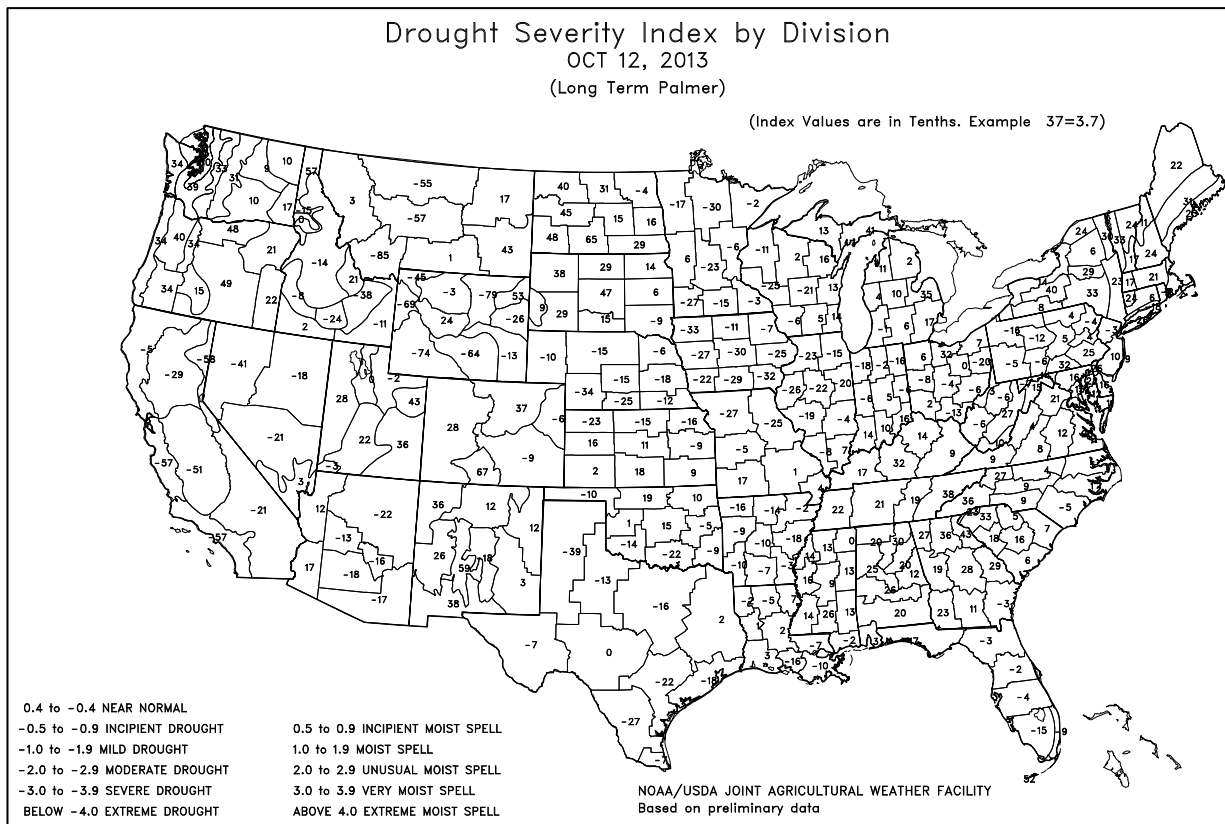
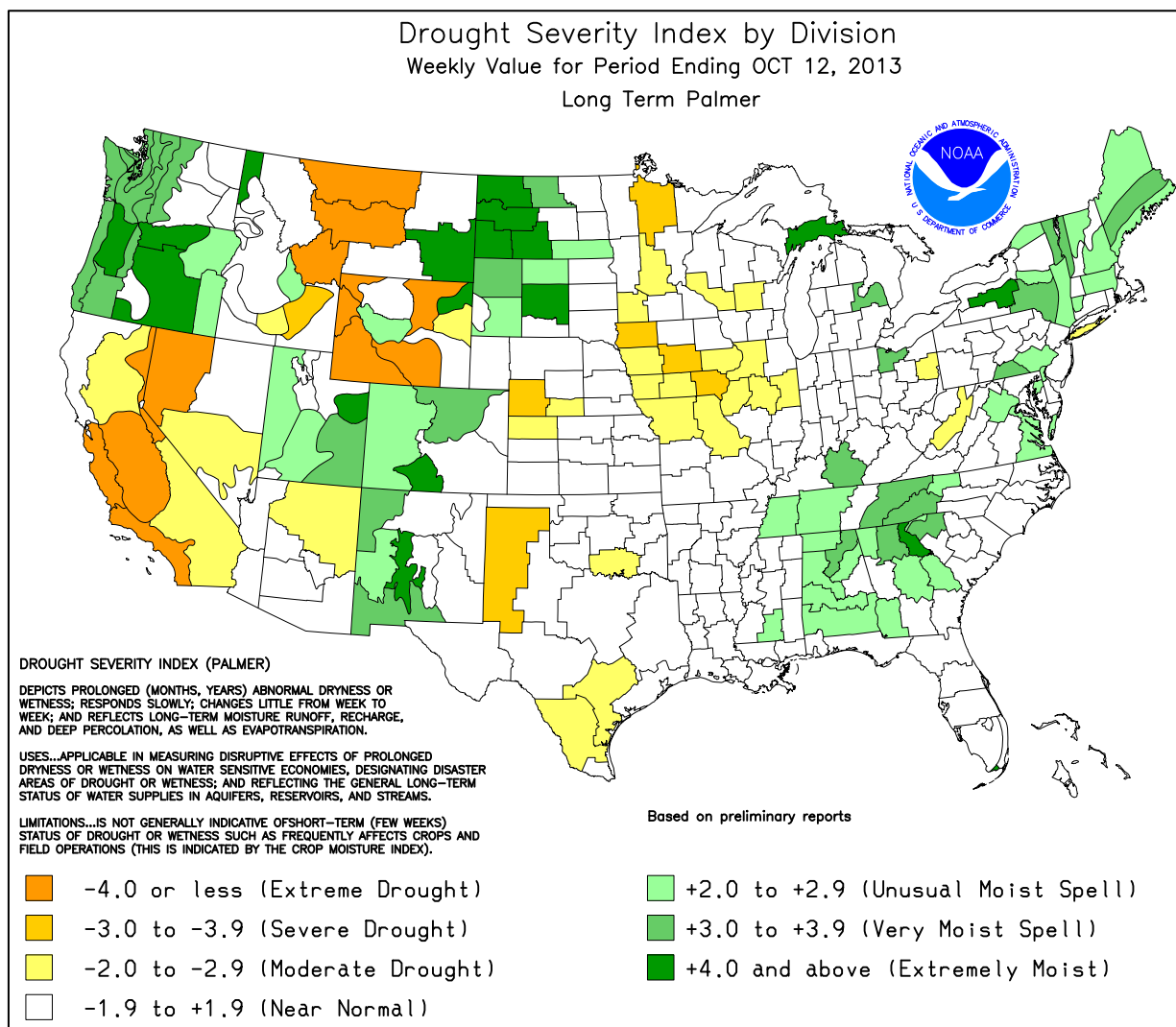
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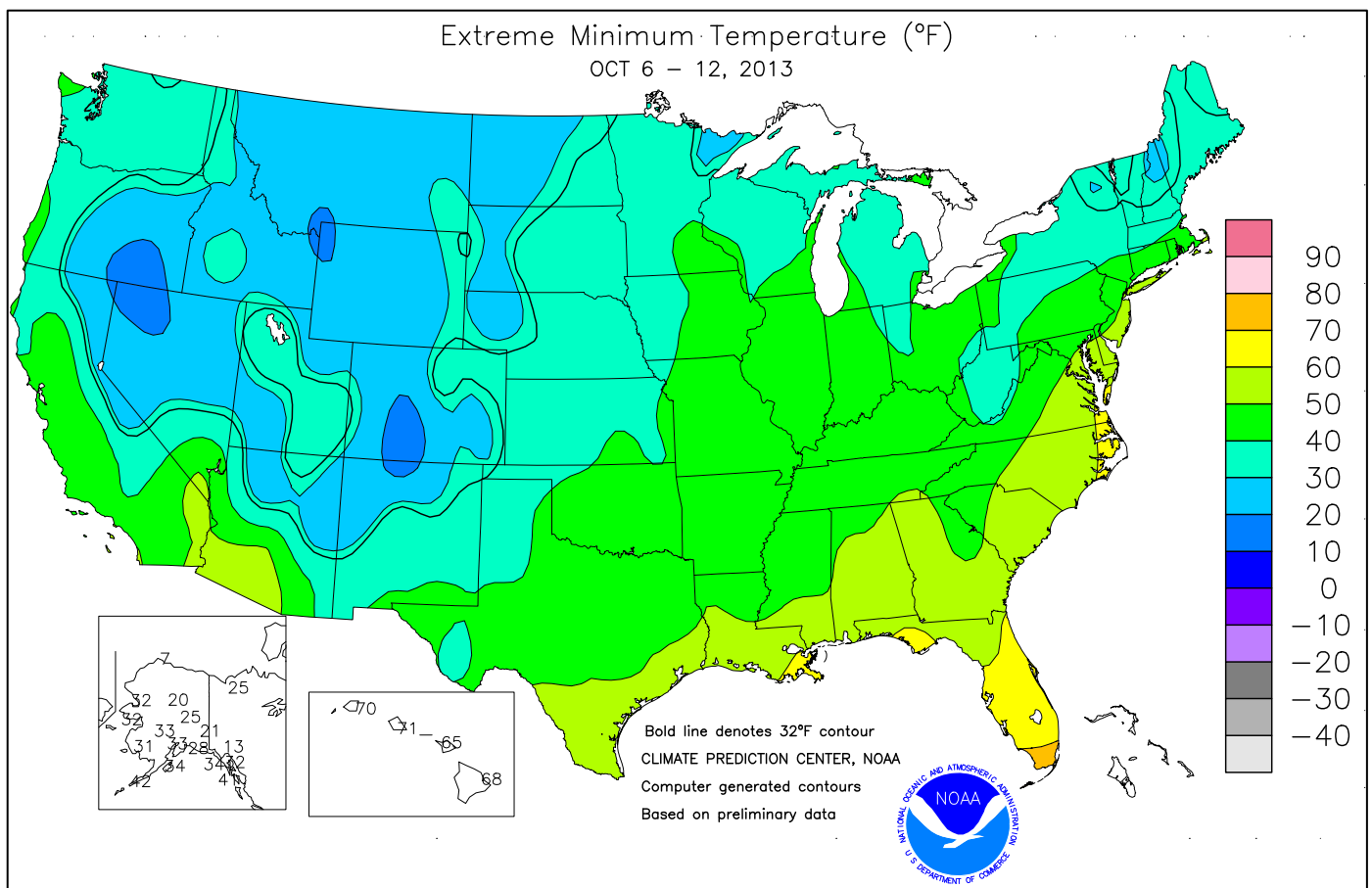
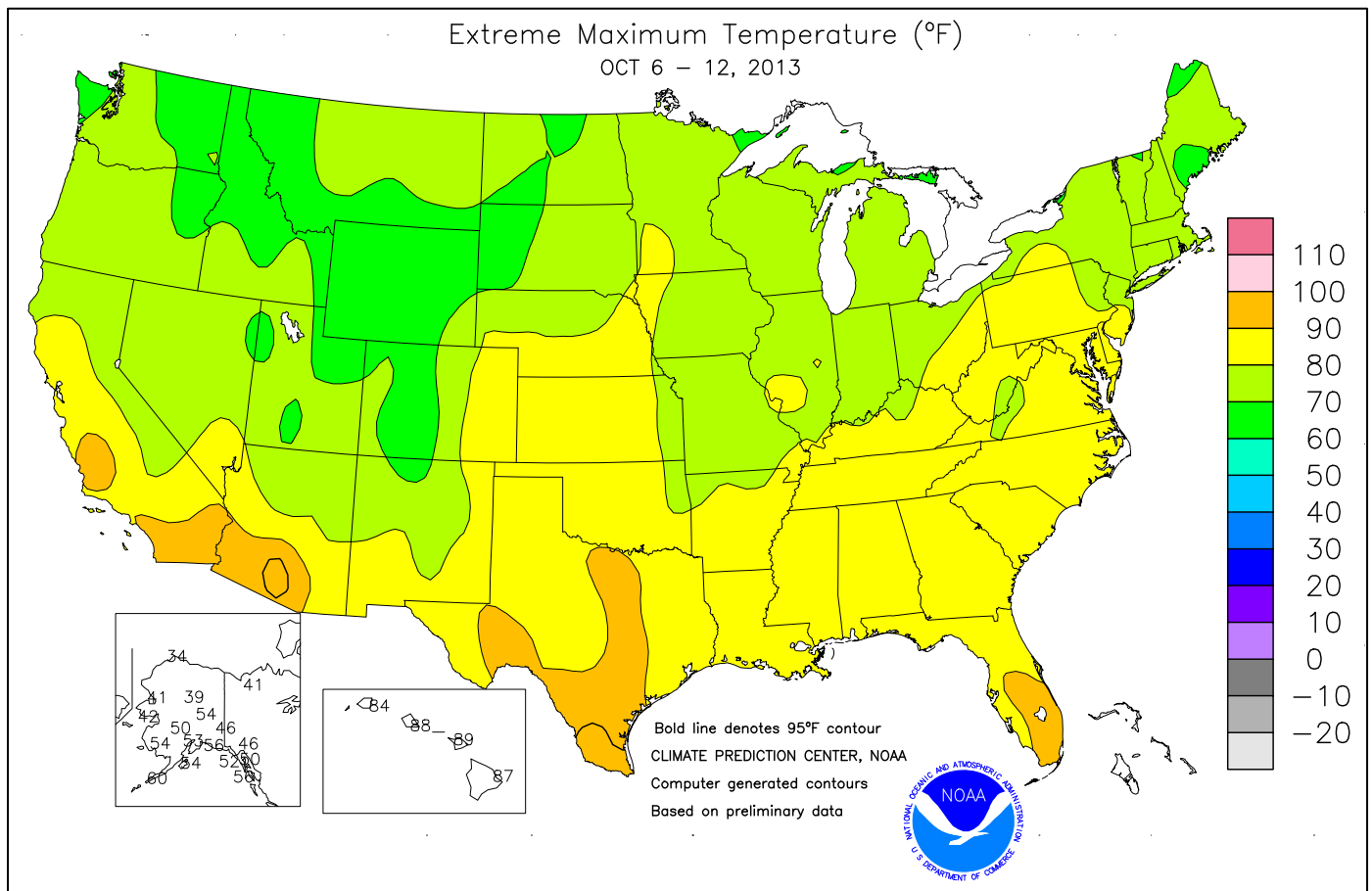
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Due to the federal government shutdown, NASS reports are unavailable for this issue. Publication of the reports will resume with issue 43.

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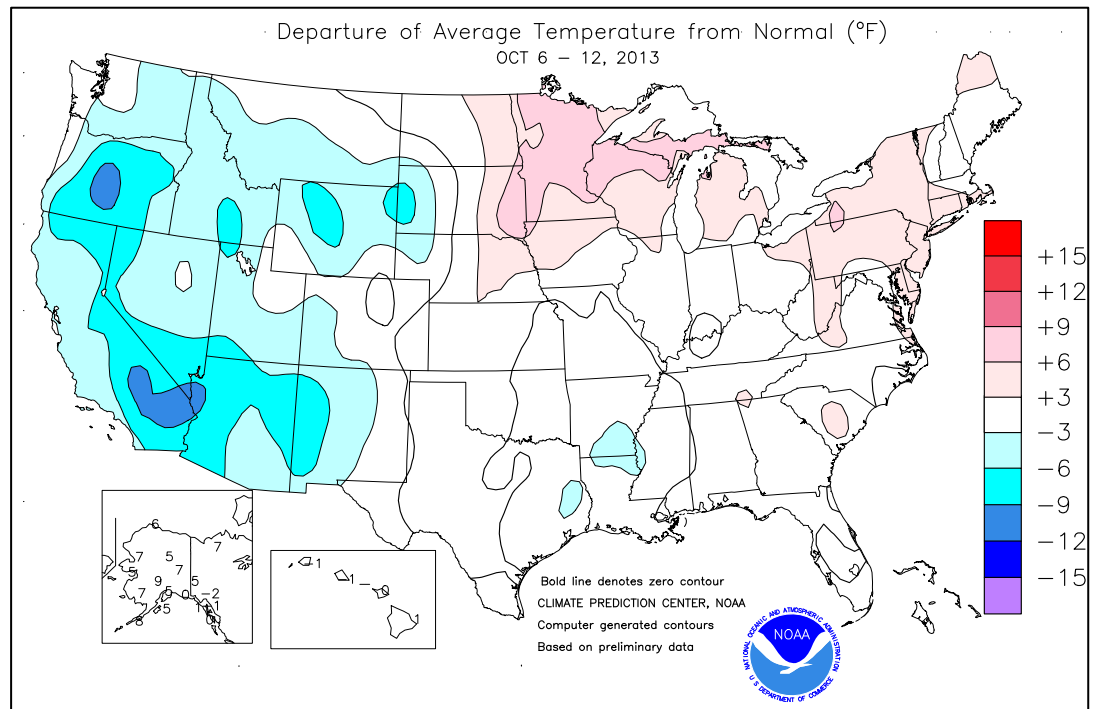


(Continued from front cover)

Meanwhile, another slow-moving storm produced wind, snow, and rain across a broad area of the **West**. **Northwestern** winter wheat continued to receive beneficial moisture for establishment, although cool weather (at least 5°F below normal) slowed crop development. Late in the week, heavy precipitation returned to portions of the **nation's mid-section**, slowing or halting fieldwork but aiding the **Plains'** recently planted hard red winter wheat. Precipitation was especially heavy in the **western Dakotas**, slowing recovery from the recent **Black Hills** blizzard. In addition, high winds caused some lodging of corn and other unharvested summer crops, primarily across the **Plains** and **western Corn Belt**.

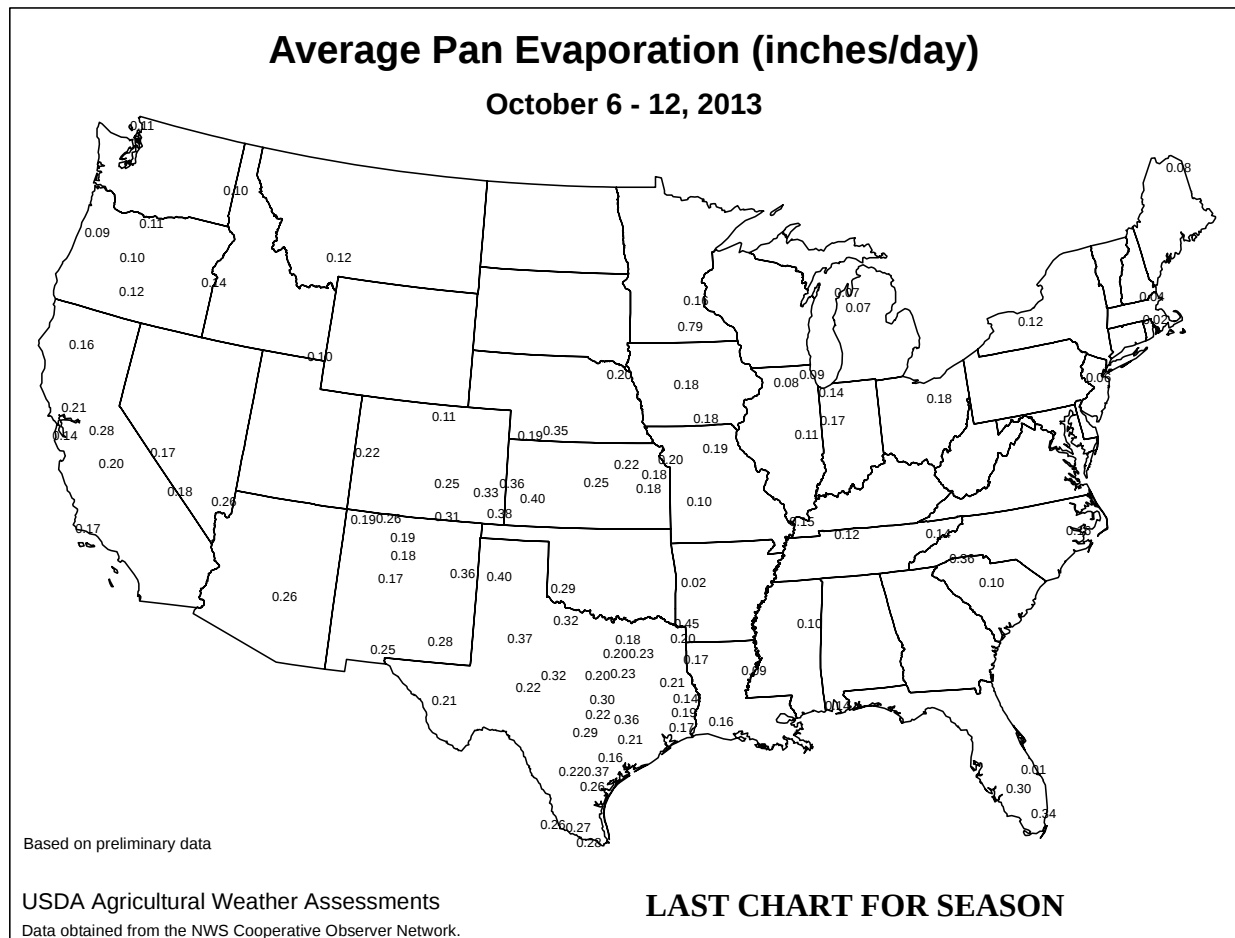
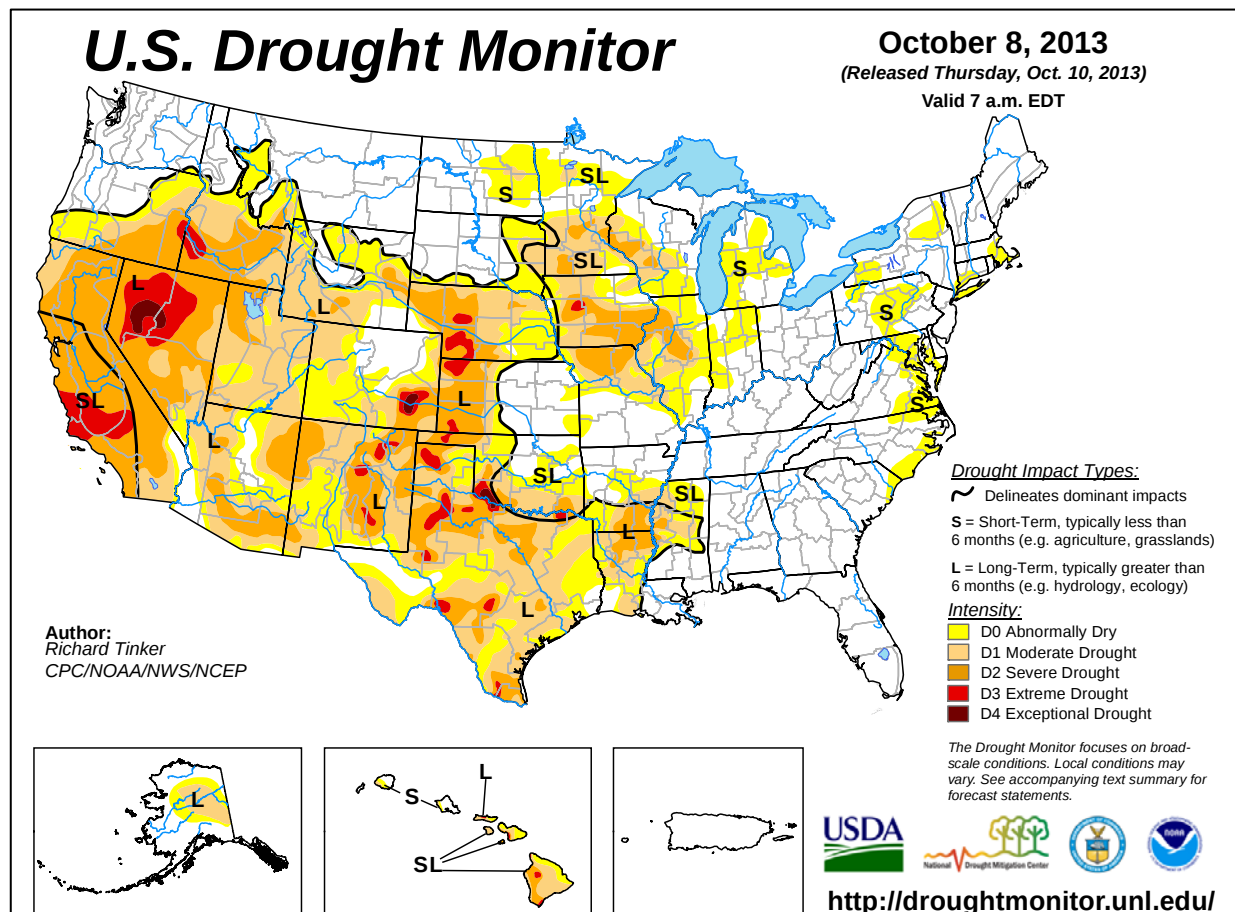
Early in the week, warmth prevailed in both the **Pacific and Atlantic Coast States**. Daily-record highs were established on October 6 in locations such as **Salinas, CA** (92°F), and **Virginia's Dulles Airport** (89°F). In both regions, however, the warmth was soon replaced by unsettled, cooler conditions. Meanwhile, cool conditions lingered across the **southwestern and south-central U.S.** **Gateway, CO**, posted a daily-record low of 29°F on October 6, followed the next day by record-setting lows in **Douglas, AZ** (38°F), and **Harlingen, TX** (54°F). By mid-week, chilly conditions overspread the **Northwest**. On October 9, daily-record lows in **Washington** dipped to 36°F in both **Hoquiam** and **Vancouver**. A day later, records for October 10 in **southern California** included 42°F in **Santa Barbara** and 45°F in **Thermal**. High winds preceded the **Western** cool surge, with October 10 gusts clocked to 67 mph in **Trinidad, CO**, and 60 mph in **Albuquerque, NM**. Strong winds also raked the **Plains** on October 10-11, when gusts reached 68 mph (during a thunderstorm) in **Hayes Center, NE**, and 54 mph in both **Aberdeen, SD**, and **Minot, ND**. At week's end, warmth returned to the **south-central U.S.** in advance of **Western** storminess. On October 12, highs climbed to daily-record levels in locations such as **New Iberia, LA** (89°F), and **Galveston, TX** (86°F). In contrast, late-week record lows in **California** dipped to 34°F (on October 11) in **Lancaster** and 38°F (on October 12) in **Crescent City**.

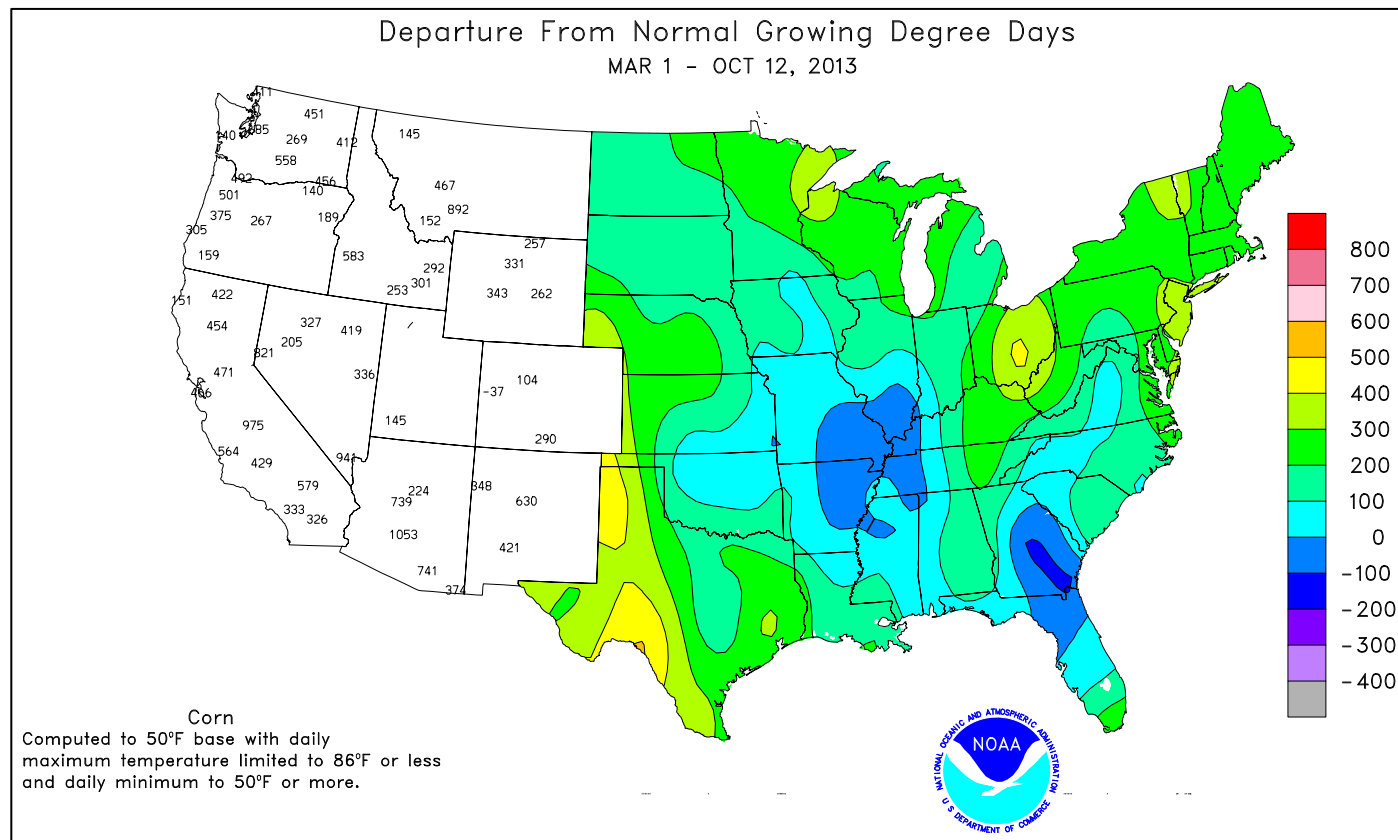
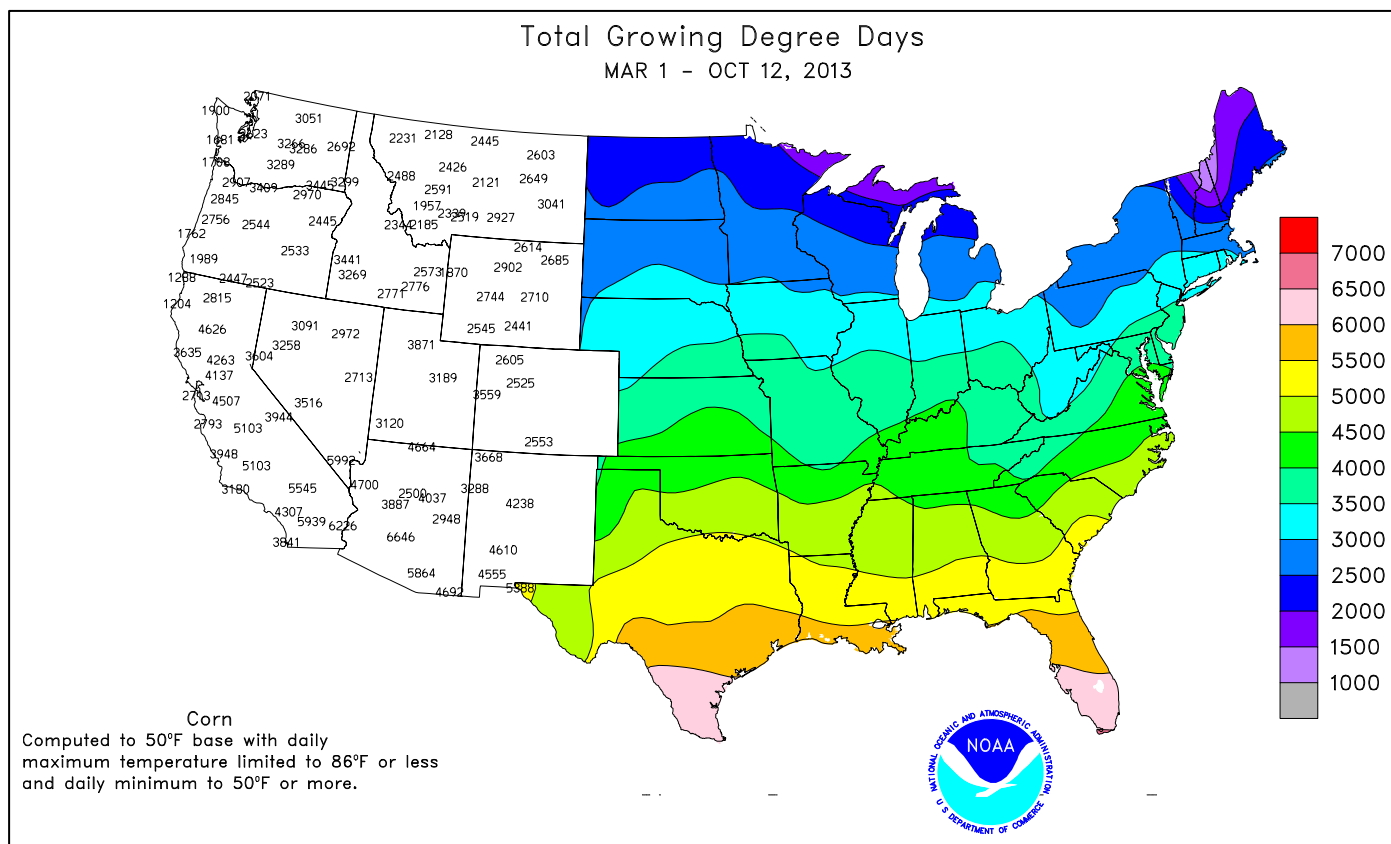
Heavy showers associated with a cold front moved through the **East** on October 6-7. Daily-record totals for October 6 included 3.13 inches in **Greenville, MS**; 2.23 inches in **Columbus, OH**; and 2.18 inches in **Lexington, KY**. The following day, record-setting totals for October 7 reached 1.94 inches in **Columbia, SC**, and 1.88 inches in **Blacksburg, VA**. On the same date,

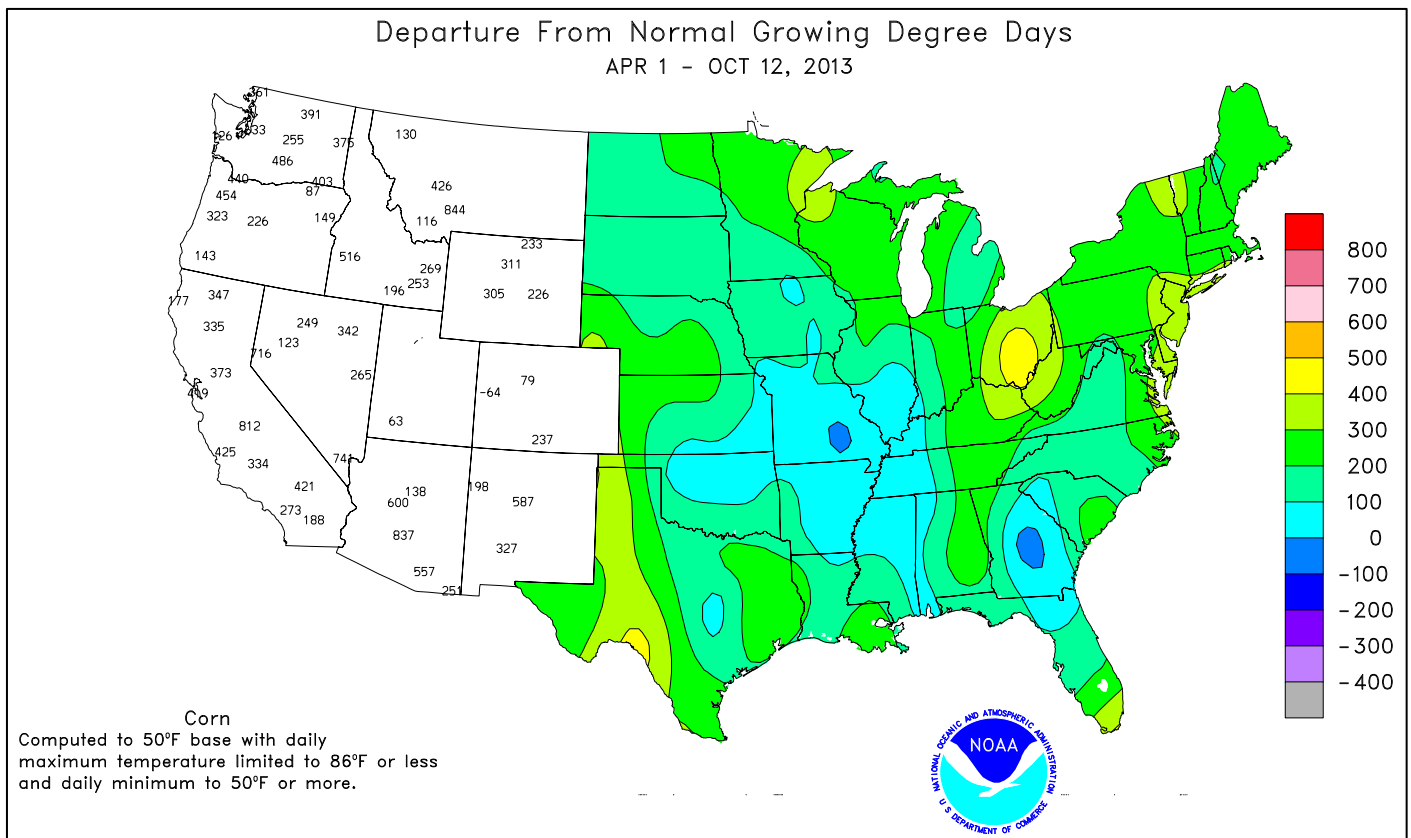
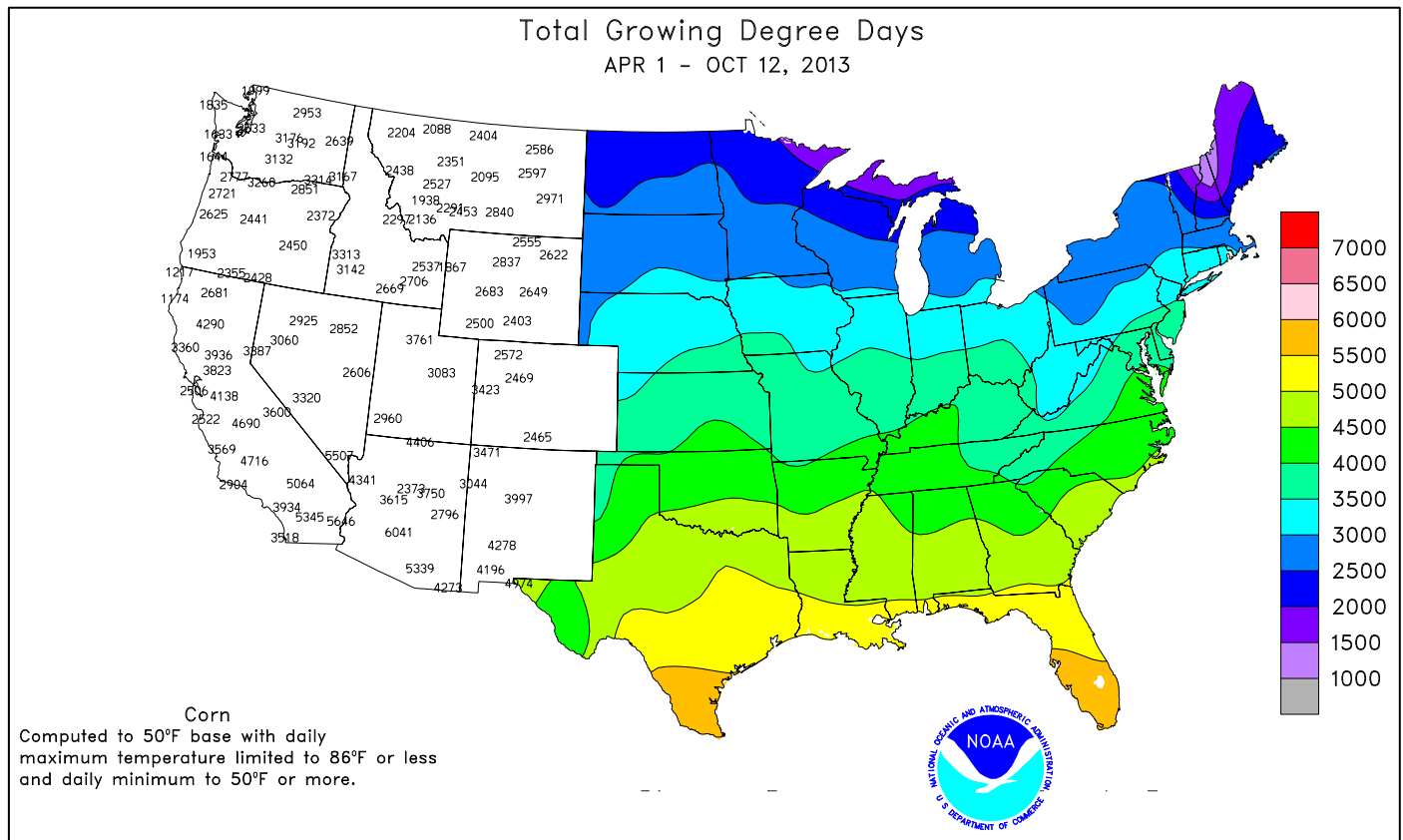


winds accompanying the front gusted to 53 mph in **Syracuse, NY**, and 51 mph in **St. Johnsbury, VT**. By mid-week, a nearly stationary storm brought torrential rain to **eastern North Carolina**, where daily-record totals for October 9 included 6.30 inches at **Cape Hatteras** and 3.33 inches at **Elizabeth City**. Later, **Harrisburg, PA**, netted consecutive daily-record totals on October 10-11, totaling 9.74 inches. In fact, **Harrisburg's** month-to-date rainfall climbed to 10.48 inches by week's end, surpassing its October 1976 standard of 9.87 inches. **Virginia's Dulles Airport** also received daily-record totals on consecutive days, with 5.60 inches falling on October 10-11. Meanwhile, showers and gusty winds swept across the **western and central U.S.** Snow accumulated across portions of the **Rockies and Intermountain West**, with October 10-11 totals reaching 4.5 inches in **Crested Butte, CO**, and 0.6 inch in **Flagstaff, AZ**. Heavy rain accompanied high winds across portions of the **Plains**, including **North Dakota**, where record-setting totals for October 11 reached 2.39 inches in **Dickinson** and 1.74 inches in **Williston**.

Mild weather returned across much of **Alaska**, following an early-season cool spell. However, occasional high winds also raked portions of the state. On October 7, **King Salmon** reported a daily-record wind gust to 56 mph. A day later, gusts of 75 to 85 mph were reported in several **Alaskan** locations, including sites near **Healy** and **Ft. Greely**. Meanwhile, heavy precipitation fell across parts of **southern Alaska**, where the weekly rainfall of 3.50 inches in **Valdez** was aided by a daily-record total of 1.81 inches on October 8. Farther south, **Hawaiian** showers were mainly confined to the state's windward locations. On the **Big Island**, **Hilo's** weekly rainfall totaled 2.73 inches. Through October 12, month-to-date rainfall totaled 3.42 inches (97 percent of normal) in **Hilo**, but was less than 10 percent of normal in **Honolulu, Oahu** (0.04 inch), and **Kahului, Maui** (0.03 inch).







National Weather Data for Selected Cities

Weather Data for the Week Ending October 12, 2013

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL	BIRMINGHAM	80	57	84	49	68	2	0.69	-0.02	0.69	3.16	59	55.42	129	92	47	0	0	1	1	
	HUNTSVILLE	80	54	84	50	67	2	0.03	-0.76	0.02	4.39	77	48.01	108	92	48	0	0	2	0	
	MOBILE	81	61	86	51	71	0	1.32	0.58	1.29	6.27	85	57.96	107	91	58	0	0	3	1	
AK	MONTGOMERY	83	58	87	49	71	2	0.30	-0.32	0.30	1.78	33	44.78	102	93	49	0	0	1	0	
	ANCHORAGE	49	39	53	33	44	5	1.09	0.55	0.48	7.14	187	20.53	161	87	67	0	0	4	0	
	BARROW	31	22	34	7	26	6	0.07	-0.02	0.05	1.56	181	6.60	181	98	85	0	7	3	0	
	FAIRBANKS	45	30	54	25	38	7	0.00	-0.19	0.00	1.74	120	7.54	91	83	75	0	5	0	0	
	JUNEAU	48	39	50	32	43	-2	2.45	0.44	1.42	11.83	108	52.74	124	96	89	0	1	6	1	
	KODIAK	52	42	54	34	47	4	1.06	-0.95	0.85	10.80	96	50.69	90	84	71	0	0	4	1	
AZ	NOME	41	35	42	32	38	5	1.44	1.07	0.42	3.63	114	16.73	125	94	87	0	1	6	0	
	FLAGSTAFF	60	30	70	23	45	-5	0.18	-0.25	0.18	3.43	120	21.12	117	76	29	0	5	1	0	
	PHOENIX	87	62	97	56	75	-4	0.00	-0.17	0.00	0.86	83	5.60	91	33	20	3	0	0	0	
	PRESCOTT	70	38	80	32	54	-5	0.23	-0.08	0.23	2.71	103	11.35	71	70	22	0	1	1	0	
	TUCSON	86	57	95	50	71	-3	0.00	-0.30	0.00	0.63	32	5.48	56	38	22	3	0	0	0	
	FORT SMITH	79	52	83	45	66	0	0.21	-0.62	0.21	2.74	54	37.61	113	91	40	0	0	1	0	
CA	LITTLE ROCK	77	54	81	50	66	-1	0.68	-0.17	0.68	4.46	86	39.06	104	93	43	0	0	1	1	
	BAKERSFIELD	80	53	91	50	66	-5	0.00	-0.03	0.00	0.00	0	2.36	48	49	31	1	0	0	0	
	FRESNO	80	54	90	52	67	-1	0.00	-0.09	0.00	0.01	2	2.29	28	59	34	1	0	0	0	
	LOS ANGELES	74	59	91	53	66	-2	0.02	-0.01	0.02	0.02	6	2.66	27	76	45	1	0	1	0	
	REDDING	76	49	83	43	63	-4	0.01	-0.28	0.01	1.40	154	10.70	46	61	34	0	0	1	0	
	SACRAMENTO	79	49	85	45	64	-3	0.00	-0.09	0.00	0.58	114	4.49	36	78	21	0	0	0	0	
	SAN DIEGO	73	60	88	56	67	-2	0.08	0.05	0.08	0.08	31	3.46	43	69	43	0	0	1	0	
	SAN FRANCISCO	71	53	83	47	62	0	0.01	-0.09	0.01	0.24	71	2.13	15	74	56	0	0	1	0	
	STOCKTON	76	47	85	43	62	-6	0.02	-0.07	0.01	0.31	65	3.22	34	69	48	0	0	2	0	
CO	ALAMOSA	64	25	71	18	44	-3	0.15	0.01	0.15	3.13	272	8.02	133	78	33	0	7	1	0	
	CO SPRINGS	68	40	77	31	54	1	0.11	-0.04	0.06	4.94	334	18.60	117	68	21	0	1	2	0	
	DENVER INTL	68	41	79	32	55	2	0.03	-0.16	0.03	5.90	424	16.65	137	80	35	0	1	1	0	
	GRAND JUNCTION	65	41	72	32	53	-4	0.49	0.27	0.47	3.96	307	9.92	139	82	51	0	1	2	0	
	PUEBLO	74	39	82	28	57	1	0.00	-0.11	0.00	1.27	123	9.07	83	61	23	0	1	0	0	
	BRIDGEPORT	69	55	78	50	62	4	0.24	-0.53	0.21	2.98	61	29.74	85	84	62	0	0	2	0	
CT	HARTFORD	68	48	77	41	58	3	1.67	0.82	1.18	5.55	99	43.55	121	90	69	0	0	2	1	
DC	WASHINGTON	71	59	91	54	65	3	6.09	5.33	2.69	7.31	142	35.65	114	86	65	1	0	5	3	
DE	WILMINGTON	71	56	83	47	64	5	1.90	1.15	0.92	3.82	71	40.16	116	92	63	0	0	4	2	
FL	DAYTONA BEACH	83	68	86	63	76	0	1.60	0.46	1.43	7.37	85	42.59	104	95	61	0	0	3	1	
	JACKSONVILLE	83	63	88	58	73	1	0.90	-0.24	0.62	4.48	45	40.84	90	98	58	0	0	2	1	
	KEY WEST	87	78	87	75	82	1	0.00	-1.04	0.00	4.80	66	40.31	127	83	62	0	0	0	0	
	MIAMI	89	74	91	72	82	2	0.01	-1.51	0.01	16.12	146	58.80	119	85	56	2	0	1	0	
	ORLANDO	87	69	90	62	78	1	0.15	-0.59	0.08	5.93	83	41.52	98	94	59	1	0	2	0	
	PENSACOLA	83	65	87	57	74	2	1.41	0.47	1.41	8.65	116	65.08	122	87	57	0	0	1	1	
	TALLAHASSEE	85	63	88	57	74	2	0.81	0.09	0.81	3.98	63	57.27	107	88	60	0	0	1	1	
	TAMPA	86	71	88	67	78	0	0.70	-0.03	0.70	8.07	101	50.58	126	87	56	0	0	1	1	
	WEST PALM BEACH	88	72	90	69	80	1	1.11	-0.17	0.68	10.21	98	57.82	117	88	56	2	0	2	1	
GA	ATHENS	79	57	86	51	68	3	1.15	0.40	1.09	3.57	74	49.71	130	90	51	0	0	2	1	
	ATLANTA	78	58	84	56	68	2	2.28	1.57	2.15	5.02	93	56.05	139	87	51	0	0	2	1	
	AUGUSTA	81	55	87	49	68	2	0.37	-0.35	0.25	1.62	34	46.93	128	94	53	0	0	4	0	
	COLUMBUS	83	61	87	58	72	3	0.35	-0.14	0.31	1.51	38	51.88	134	87	44	0	0	2	0	
	MACON	82	55	87	50	68	1	0.46	-0.06	0.40	2.26	54	60.40	166	98	49	0	0	4	0	
	SAVANNAH	83	60	88	55	72	2	0.09	-0.65	0.08	1.87	29	49.04	115	90	53	0	0	2	0	
HI	HILO	84	69	87	68	77	1	3.02	1.27	1.69	7.23	60	71.92	77	91	77	0	0	6	2	
	HONOLULU	86	73	88	71	79	-2	0.02	-0.41	0.02	1.80	127	10.88	93	75	66	0	0	1	0	
	KAHULUI	88	69	89	65	78	0	0.02	-0.11	0.01	0.28	47	8.93	70	79	68	0	0	2	0	
	LIHUE	83	73	84	70	78	-1	0.18	-0.69	0.08	3.08	75	20.30	74	79	74	0	0	6	0	
	BOISE	64	38	77	32	51	-5	0.00	-0.14	0.00	1.78	178	6.69	75	72	45	0	1	0	0	
	LEWISTON	61	42	76	37	52	-3	0.05	-0.12	0.05	1.65	151	8.04	82	80	58	0	0	1	0	
ID	POCATELLO	62	31	75	24	47	-4	0.00	-0.19	0.00	0.94	77	4.97	51	79	40	0	4	0	0	
	CHICAGO/O'HARE	72	46	76	43	59	3	0.21	-0.34	0.12	3.72	88	36.09	124	89	51	0	0	2	0	
	MOLINE	72	43	78	41	58	1	0.00	-0.59	0.00	1.79	43	34.40	110	90	50	0	0	0	0	
	PEORIA	72	49	79	45	61	4	0.44	-0.19	0.37	4.15	98	35.99	124	89	42	0	0	2	0	
	ROCKFORD	72	46	77	43	59	4	0.01	-0.56	0.01	2.87	64	34.88	115	89	49	0	0	1	0	
	SPRINGFIELD	73	46	80	43	60	1	0.08	-0.49	0.05	2.02	53	32.70	115	95	40	0	0	2	0	
IN	EVANSVILLE	75	50	80	46	62	1	1.43	0.87	1.43	7.08	179	42.42	122	91	55	0	0	1	1	
	FORT WAYNE	72	42	80	40	57	1	0.54	-0.01	0.54	3.15	84	35.48	122	94	45	0	0	1	1	
	INDIANAPOLIS	71	47	77	44	59	1	0.00	-0.55	0.00	2.86	75	32.81	101	90	49	0	0	0	0	
	SOUTH BEND	71	46	78	44	59	3	0.39	-0.34	0.39	5.27	104	32.25	103	87	56	0	0	1	0	
	BURLINGTON	72	46	78	41	59	0	0.02	-0.67	0.02	1.40	29	28.45	91	95	38	0	0	1	0	
	CEDAR RAPIDS	70	45	7																	

Weather Data for the Week Ending October 12, 2013

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.		
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
KY	WICHITA	78	50	83	41	64	1	0.00	-0.59	0.00	2.33	58	36.84	143	74	40	0	0	0	0	
	JACKSON	74	50	84	46	62	1	0.63	-0.07	0.32	1.90	38	45.11	116	91	44	0	0	2	0	
	LEXINGTON	73	48	80	44	60	0	2.18	1.57	2.18	5.62	135	49.26	134	88	50	0	0	1	1	
	LOUISVILLE	75	51	81	47	63	1	1.20	0.61	1.20	10.27	251	42.09	119	90	46	0	0	1	1	
LA	PADUCAH	76	51	82	44	63	2	0.27	-0.50	0.27	7.69	157	48.45	127	96	51	0	0	1	0	
	BATON ROUGE	81	58	89	53	70	-1	0.33	-0.50	0.33	8.22	130	60.88	120	96	49	0	0	1	0	
	LAKE CHARLES	82	59	89	54	71	-1	0.28	-0.66	0.28	10.22	133	49.22	108	96	46	0	0	1	0	
	NEW ORLEANS	82	65	88	59	74	1	0.08	-0.59	0.08	9.39	138	59.69	114	89	63	0	0	1	0	
ME	SHREVEPORT	81	56	85	51	68	-2	1.74	0.80	0.98	12.57	263	39.54	101	90	42	0	0	2	2	
	CARIBOU	63	37	72	31	50	4	0.90	0.26	0.90	7.91	181	42.65	146	90	53	0	1	1	1	
	PORTLAND	62	43	67	35	52	2	0.51	-0.40	0.41	7.23	148	35.44	104	95	60	0	0	2	0	
	BALTIMORE	68	55	86	47	62	3	7.36	6.60	3.64	9.01	169	34.58	103	92	72	0	0	5	3	
MA	BOSTON	65	53	78	48	59	2	0.40	-0.40	0.30	2.67	55	32.87	101	88	63	0	0	2	0	
	WORCESTER	61	48	73	43	55	2	0.74	-0.28	0.46	4.40	73	37.40	98	94	64	0	0	2	0	
MI	ALPENA	68	39	73	32	53	4	1.08	0.56	1.01	3.95	106	26.03	113	99	57	0	1	2	1	
	GRAND RAPIDS	71	45	78	42	58	5	0.49	-0.17	0.17	3.22	59	35.54	121	87	47	0	0	3	0	
	HOUGHTON LAKE	68	38	76	31	53	4	0.46	-0.04	0.38	3.20	80	23.30	101	99	55	0	2	3	0	
	LANSING	70	44	78	40	57	4	0.31	-0.21	0.26	1.99	45	34.90	138	94	63	0	0	2	0	
MN	MUSKEGON	70	47	76	42	58	5	0.77	0.18	0.28	3.86	85	35.11	139	84	49	0	0	3	0	
	TRAVERSE CITY	71	46	78	43	59	7	0.52	-0.16	0.24	7.03	147	32.93	125	91	45	0	0	3	0	
	DULUTH	66	47	73	41	57	10	0.15	-0.45	0.11	3.06	59	24.65	93	79	56	0	0	3	0	
	INT'L FALLS	67	40	74	33	54	8	0.29	-0.20	0.17	2.80	72	27.91	134	92	55	0	0	3	0	
MS	MINNEAPOLIS	70	49	78	42	60	7	0.09	-0.35	0.05	2.68	78	29.12	116	80	53	0	0	2	0	
	ROCHESTER	68	46	74	40	57	6	0.08	-0.41	0.08	1.66	42	36.36	134	83	56	0	0	1	0	
	ST. CLOUD	67	46	77	41	57	8	0.43	-0.07	0.30	3.70	98	24.03	102	90	51	0	0	3	0	
	JACKSON	80	55	86	50	68	0	0.22	-0.47	0.22	7.65	173	51.43	119	95	51	0	0	1	0	
MO	MERIDIAN	79	56	85	49	68	0	1.34	0.63	1.34	4.08	83	53.61	116	96	69	0	0	1	1	
	TUPELO	77	54	84	49	66	1	0.10	-0.62	0.10	3.19	69	40.47	95	94	60	0	0	1	0	
	COLUMBIA	73	48	80	41	61	2	0.06	-0.63	0.06	3.00	65	36.10	112	90	43	0	0	1	0	
	KANSAS CITY	71	48	77	41	59	-2	0.00	-0.89	0.00	6.89	110	29.55	91	80	44	0	0	0	0	
MT	SAINT LOUIS	75	53	81	49	64	2	0.03	-0.55	0.02	3.31	83	37.91	125	82	47	0	0	2	0	
	SPRINGFIELD	71	49	79	43	60	-2	0.43	-0.37	0.43	5.15	82	43.30	123	86	60	0	0	1	0	
	BILLINGS	57	39	65	31	48	-4	0.02	-0.29	0.02	5.07	270	13.24	105	79	50	0	1	1	0	
	BUTTE	54	25	67	21	40	-4	0.00	-0.18	0.00	3.03	216	10.32	92	87	31	0	7	0	0	
NE	CUT BANK	56	35	71	25	45	-1	0.04	-0.07	0.04	2.72	197	12.47	109	78	39	0	3	1	0	
	GLASGOW	65	36	78	29	50	1	0.00	-0.17	0.00	1.83	143	14.42	143	78	43	0	2	0	0	
	GREAT FALLS	60	33	74	23	47	-2	0.00	-0.22	0.00	0.84	52	9.72	74	78	30	0	5	0	0	
	HAVRE	63	32	75	28	47	-2	0.01	-0.14	0.01	2.06	157	17.16	169	79	44	0	5	1	0	
NV	MISSOULA	58	31	68	28	45	-3	0.01	-0.17	0.01	1.46	105	7.78	70	88	60	0	4	1	0	
	GRAND ISLAND	74	47	81	38	61	5	0.02	-0.32	0.02	4.66	152	24.08	105	81	39	0	0	1	0	
	LINCOLN	75	45	81	37	60	2	0.00	-0.47	0.00	4.05	107	24.47	99	80	44	0	0	0	0	
	NORFOLK	73	47	80	35	60	5	0.01	-0.38	0.01	2.85	97	21.26	90	77	44	0	0	1	0	
NY	NORTH PLATTE	71	37	79	30	54	0	0.34	0.06	0.34	5.45	304	19.81	112	88	35	0	2	1	0	
	OMAHA	73	47	80	40	60	3	0.14	-0.40	0.14	5.31	128	26.54	101	82	52	0	0	1	0	
	SCOTTSBLUFF	67	36	82	30	51	-1	0.39	0.15	0.36	3.53	214	11.84	82	90	54	0	2	2	0	
	VALENTINE	68	40	80	34	54	1	0.41	0.10	0.39	4.14	193	21.77	122	88	52	0	0	2	0	
OH	ELY	63	29	77	22	46	-3	0.11	-0.11	0.08	1.82	138	5.97	73	68	33	0	5	2	0	
	LAS VEGAS	76	54	84	51	65	-8	0.00	-0.05	0.00	0.35	88	1.54	42	43	25	0	0	0	0	
	RENO	68	39	79	33	54	-1	0.01	-0.06	0.01	0.03	5	3.07	56	57	35	0	0	1	0	
	WINNEMUCCA	66	29	77	19	47	-5	0.16	0.05	0.13	0.81	113	3.22	52	70	32	0	4	4	0	
NC	CONCORD	64	40	74	30	52	1	0.97	0.24	0.79	5.78	131	34.08	118	99	55	0	1	2	1	
	NEWARK	70	57	80	51	63	3	0.33	-0.38	0.30	1.92	36	35.22	95	83	64	0	0	3	0	
	ALBUQUERQUE	71	44	78	38	57	-4	0.04	-0.18	0.04	4.01	278	7.90	102	51	21	0	0	1	0	
	ALBANY	67	44	75	38	56	3	1.12	0.43	0.94	6.65	148	38.16	127	93	53	0	0	2	1	
ND	BINGHAMTON	67	47	77	37	57	6	0.99	0.30	0.99	4.56	95	34.85	114	86	55	0	0	1	1	
	BUFFALO	73	48	83	44	60	6	0.89	0.20	0.83	5.81	115	33.44	108	89	44	0	0	2	1	
	ROCHESTER	71	45	83	39	58	5	1.08	0.49	0.56	3.85	86	29.08	108	93	52	0	0	2	2	
	SYRACUSE	69	45	76	39	57	4	1.76	1.02	0.90	5.14	94	31.72	101	93	53	0	0	2	2	
OH	ASHEVILLE	72	49	78	44	61	3	1.62	0.96	0.90	4.67	96	63.46	168	96	52	0	0	3	2	
	CHARLOTTE	77	57	84	51	67	2	0.35	-0.48	0.35	3.41	65	38.73	111	87	52	0	0	1	0	
	GREENSBORO	72	56	84	52	64	2	0.92	0.10	0.86	3.05	53	41.44	117	89	59	0	0	3	1	
	HATTERAS	76	66	85	64	71	3	8.13	6.97	6.68	12.96	169	44.17	98	97	80	0	0	5	2	
OH	RALEIGH	69	59	85	53	64	1	1.22	0.44	0.86	4.13	73	41.60	118	92	78	0	0	4	1	
	WILMINGTON	73	62	84	57	68	0	1.62	0.72	1.21	2.66	31	45.36	93	94	74	0	0	5	1	
	BISMARCK	66	36	71	28	51	2	0.58	0.28	0.50	7.49	348	23.80	159	91	59	0	1	2	1	
	DICKINSON	64	36	75	28	50	1	2.40	2.07	2.40	6.07	277	19.23	131	86	37	0	2	1	1	
OH	FARGO	68	44	75	35	56	6	0.75	0.29	0.37	6.33	212	28.25	154	86	48	0	0	3	0	
	GRAND FORKS	66	40	72	34	53	4	0.53	0.14	0.37	3.27										

Weather Data for the Week Ending October 12, 2013

STATES AND STATIONS		TEMPERATURE °F					PRECIPITATION								RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL IN., SINCE JAN01	PCT. NORMAL SINCE JAN01	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
OK	TOLEDO	70	43	79	38	57	2	0.59	0.09	0.59	3.78	102	30.55	116	97	50	0	0	1	1
	YOUNGSTOWN	70	45	81	39	58	4	0.58	-0.03	0.55	2.98	59	30.20	99	90	52	0	0	2	1
	OKLAHOMA CITY	79	54	86	47	66	0	0.00	-0.94	0.00	2.85	51	48.04	161	76	32	0	0	0	0
OR	TULSA	76	52	83	45	64	-2	0.17	-0.83	0.17	3.75	57	27.12	79	85	50	0	0	1	0
	ASTORIA	60	45	71	36	53	-1	1.04	0.16	0.51	12.64	314	48.98	117	95	77	0	0	5	1
	BURNS	59	25	71	20	42	-6	0.04	-0.09	0.04	2.05	293	5.97	78	89	52	0	7	1	0
PA	EUGENE	63	43	78	39	53	-2	0.09	-0.32	0.06	7.63	350	17.55	56	94	79	0	0	2	0
	MEDFORD	64	39	79	36	52	-7	0.18	0.00	0.18	2.95	273	7.50	65	87	46	0	0	1	0
	PENDLETON	60	41	70	38	51	-5	0.00	-0.15	0.00	2.28	259	7.55	85	82	54	0	0	0	0
RI	PORTLAND	62	46	74	40	54	-3	0.27	-0.19	0.16	6.54	271	21.82	92	92	76	0	0	4	0
	SALEM	63	43	75	38	53	-3	0.17	-0.28	0.09	7.63	355	19.59	79	95	76	0	0	4	0
	ALLENTOWN	67	52	76	45	60	5	2.10	1.33	1.33	4.35	76	39.20	109	83	67	0	0	3	1
SC	ERIE	69	50	82	43	59	3	0.93	0.02	0.92	6.20	98	40.05	122	81	48	0	0	2	1
	MIDDLETOWN	69	54	85	46	62	4	10.48	9.82	5.46	11.64	249	35.91	112	90	54	0	0	3	3
	PHILADELPHIA	71	58	86	52	64	4	2.32	1.66	1.64	5.59	110	47.82	141	82	64	0	0	4	1
SD	PITTSBURGH	72	52	84	42	62	6	0.39	-0.11	0.33	3.42	83	29.18	95	86	49	0	0	3	0
	WILKES-BARRE	70	50	80	41	60	6	0.95	0.23	0.83	2.55	50	20.90	69	90	51	0	0	3	1
	WILLIAMSPORT	71	48	82	41	60	5	1.78	1.05	1.05	3.62	69	25.24	76	90	56	0	0	3	1
TN	PROVIDENCE	68	52	76	48	60	4	0.22	-0.53	0.19	5.06	102	35.87	101	86	60	0	0	2	0
	BEAUFORT	83	61	89	57	72	2	0.00	-0.71	0.00	2.42	37	43.26	102	92	52	0	0	0	0
	CHARLESTON	81	64	86	57	72	3	1.36	0.56	0.97	6.37	85	52.43	119	89	60	0	0	3	1
TX	COLUMBIA	80	61	88	56	70	3	1.95	1.31	1.94	3.99	79	47.50	118	86	56	0	0	2	1
	GREENVILLE	77	55	83	46	66	2	1.61	0.73	1.53	4.11	75	58.45	145	87	46	0	0	2	1
	ABERDEEN	68	38	77	31	53	2	0.03	-0.36	0.02	4.10	166	17.84	98	86	51	0	2	2	0
UT	HURON	70	45	76	36	58	6	0.14	-0.24	0.10	3.10	127	20.31	109	83	41	0	0	3	0
	RAPID CITY	***	***	***	***	***	***	0.74	0.48	0.55	3.91	257	17.97	122	73	50	***	***	2	1
	SIOUX FALLS	72	46	79	34	59	7	0.02	-0.42	0.01	1.02	30	21.44	99	77	51	0	0	2	0
VA	BRISTOL	75	48	85	40	61	3	0.43	-0.11	0.34	2.28	56	47.13	141	95	40	0	0	3	0
	CHATTANOOGA	80	56	84	52	68	4	0.08	-0.64	0.06	2.18	39	56.37	131	90	47	0	0	2	0
	KNOXVILLE	77	52	84	49	64	2	0.34	-0.24	0.28	4.76	117	56.13	147	95	45	0	0	2	0
WV	MEMPHIS	76	57	82	50	66	-1	0.87	0.21	0.44	3.60	81	49.55	121	88	49	0	0	2	0
	NASHVILLE	77	52	82	47	65	2	0.92	0.30	0.92	5.61	119	43.12	115	92	47	0	0	1	1
	ABILENE	83	56	88	44	70	1	0.00	-0.72	0.00	3.58	87	19.91	102	69	37	0	0	0	0
WY	AMARILLO	79	47	84	37	63	1	0.01	-0.32	0.01	1.84	75	14.21	81	55	18	0	0	1	0
	AUSTIN	86	57	92	47	71	-3	1.52	0.62	0.76	6.52	148	25.74	99	83	44	1	0	3	2
	BEAUMONT	82	60	88	55	71	-2	1.41	0.29	1.41	10.88	134	46.08	98	95	48	0	0	1	1
WY	BROWNSVILLE	89	67	102	57	78	1	0.01	-1.02	0.01	12.13	169	22.18	97	92	51	3	0	1	0
	CORPUS CHRISTI	88	66	93	56	77	1	0.28	-0.77	0.14	6.83	99	17.83	67	85	47	3	0	2	0
	DEL RIO	87	61	90	49	74	0	0.00	-0.51	0.00	4.58	156	13.07	85	80	42	2	0	0	0
WY	EL PASO	81	51	86	45	66	-3	0.00	-0.24	0.00	3.85	188	9.15	116	43	18	0	0	0	0
	FORT WORTH	84	59	93	50	72	1	0.00	-0.93	0.00	2.97	75	21.64	80	79	34	1	0	0	0
	GALVESTON	82	70	86	64	76	0	0.38	-0.50	0.38	6.28	85	30.51	88	83	56	0	0	1	0
WY	HOUSTON	84	60	88	53	72	-1	0.23	-0.75	0.20	5.48	91	26.68	72	89	50	0	0	2	0
	LUBBOCK	83	46	85	37	64	0	0.00	-0.46	0.00	0.54	16	10.32	63	59	23	0	0	0	0
	MIDLAND	85	53	88	43	69	1	0.00	-0.49	0.00	0.27	8	4.83	38	52	23	0	0	0	0
WY	SAN ANGELO	85	53	89	42	69	0	0.01	-0.65	0.01	4.65	113	16.41	94	83	40	0	0	1	0
	SAN ANTONIO	87	62	92	51	75	1	0.29	-0.57	0.17	4.04	91	27.48	106	83	37	2	0	2	0
	VICTORIA	88	60	92	51	74	-1	0.37	-0.72	0.37	5.37	77	20.29	62	91	46	3	0	1	0
WY	WACO	84	55	88	44	69	-3	0.57	-0.31	0.54	6.00	137	27.42	106	91	45	0	0	2	1
	WICHITA FALLS	84	54	89	47	69	1	0.00	-0.77	0.00	1.97	44	17.45	74	72	34	0	0	0	0
	SALT LAKE CITY	66	43	76	38	55	-1	0.39	0.03	0.35	1.67	86	9.12	71	70	31	0	0	2	0
WY	BURLINGTON	68	44	80	37	56	5	1.40	0.70	1.12	6.14	121	38.83	134	92	46	0	0	2	1
	LYNCHBURG	70	54	85	47	62	3	1.40	0.59	0.85	1.88	35	35.60	102	90	65	0	0	4	1
	NORFOLK	73	62	88	59	68	4	4.07	3.26	2.30	5.00	91	38.26	102	95	55	0	0	6	3
WY	RICHMOND	70	59	89	55	65	3	3.94	3.10	1.68	5.33	98	44.24	124	88	74	0	0	5	3
	ROANOKE	71	53	84	47	62	2	1.89	1.16	1.69	3.02	59	45.33	131	87	58	0	0	4	1
	WASH/DULLES	68	54	89	46	61	3	7.27	6.51	3.38	8.89	173	36.74	110	90	71	0	0	5	3
WY	OLYMPIA	60	41	74	36	50	-2	0.38	-0.26	0.15	11.44	375	34.70	110	96	81	0	0	4	0
	QUILLAYUTE	62	45	75	39	54	2	1.42	-0.29	0.71	12.32	179	74.14	114	86	73	0	0	4	2
	SEATTLE-TACOMA	60	48	73	42	54	-1	0.89	0.39	0.37	7.61	313	27.01	117	84	74	0	0	5	0
WY	SPOKANE	57	39	67	34	48	-3	0.07	-0.10	0.06	1.64	161	9.11	80	85	52	0	0	2	0
	YAKIMA	65	37	71	34	51	-1	0.01	-0.07	0.01	0.31	60	4.67	86	80	49	0	0	1	0
	BECKLEY	69	48	81	38	59	3	0.45	-0.18	0.40	2.17	50	32.14	94	89	57	0	0	4	0
WY	CHARLESTON	74	49	87	41	61	3	0.22	-0.36	0.22	2.71	60	36.76	104	100	47	0	0	1	0
	ELKINS	71	46	83	37	58	4	0.63	-0.02	0.46	2.99	60	35.90	96	96	48	0	0	4	0
	HUNTINGTON	73	48	86	41	61	2	0.69	0.11	0.36	2.66	70	35.08	104	95	49	0	0	2	0
WY	EAU CLAIRE	70	43	76	39	57	6	0.04	-0.48	0.04	4.00	85	31.64	114	95	41	0	0	1	0
	GREEN BAY	70	44	74	39	57	6	0.												

October 10 ENSO Update

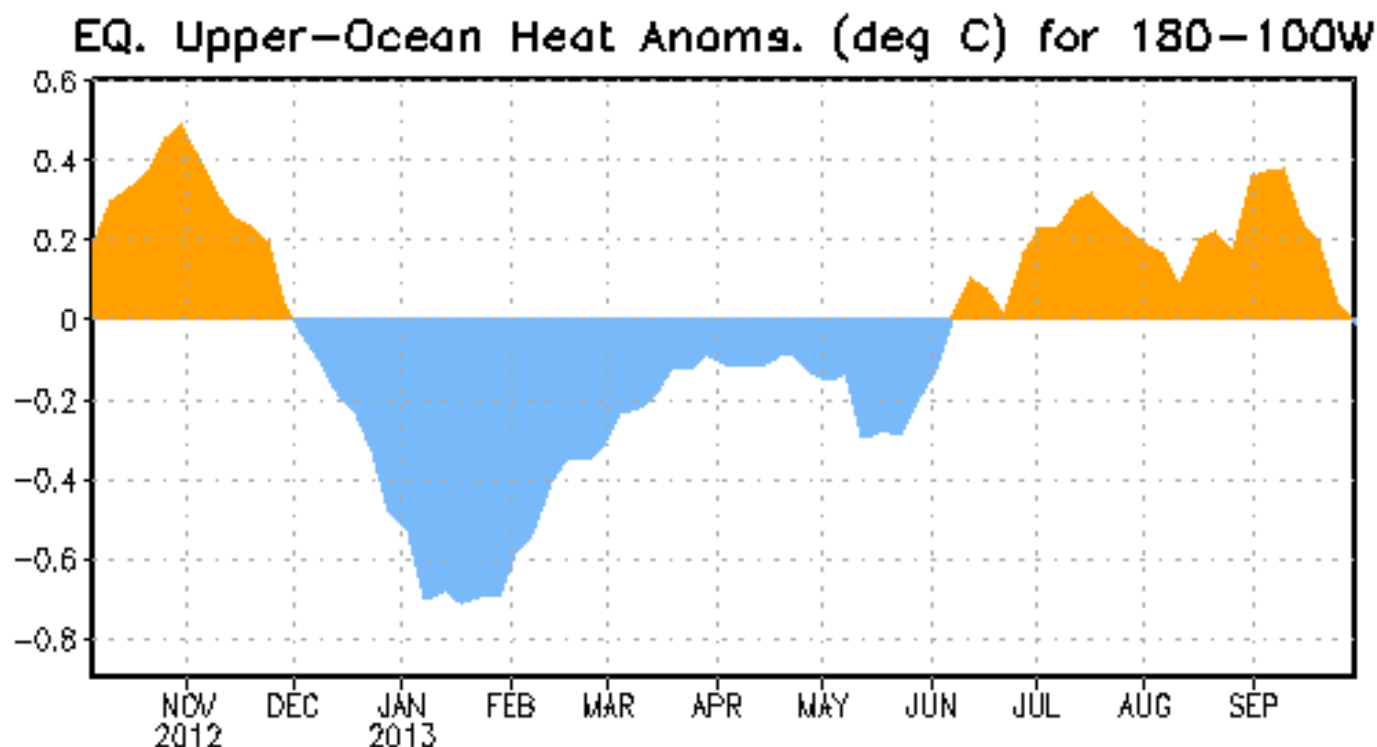


Figure 1: Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1981-2010 base period pentad means.

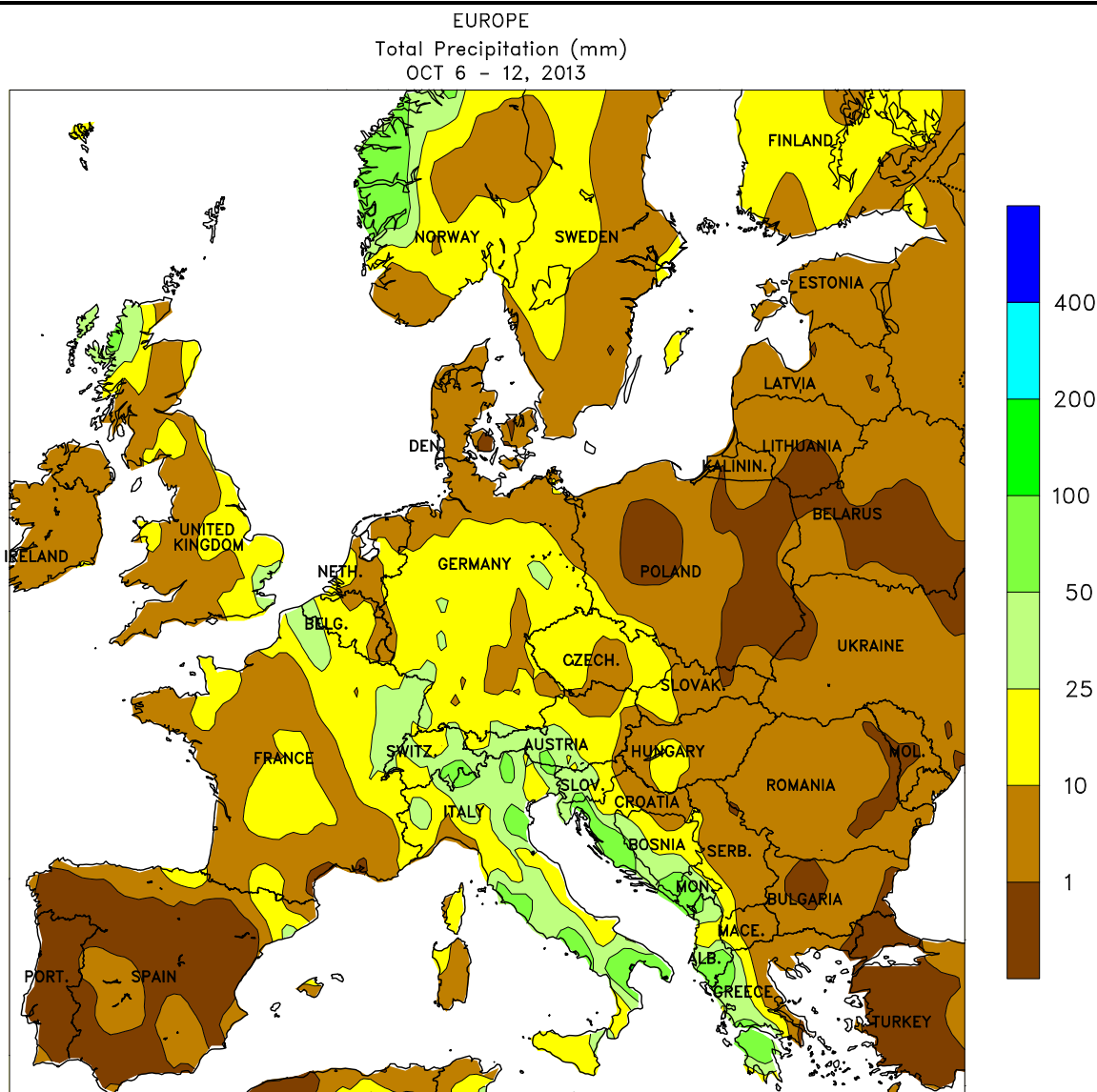
Synopsis: ENSO-neutral is expected into the Northern Hemisphere spring 2014.

ENSO-neutral continued during September 2013, as sea surface temperature (SST) anomalies were near-average across much of the equatorial Pacific Ocean. Except for the Niño-1+2 region, all of the latest weekly Niño index values were between 0°C and -0.5°C. The oceanic heat content (average temperature in the upper 300m of the ocean) weakened (Fig. 1), as a consequence of an upwelling oceanic Kelvin wave contributing to below-average temperatures in the east-central Pacific Ocean. The strength of the tropical atmospheric circulation anomalies, as reflected by convection and winds, also weakened over the last month. Slightly enhanced convection remained over parts of Indonesia, with weakly suppressed convection evident near the Date Line. Low-level winds were near average, while anomalous westerly winds prevailed at upper-levels. Collectively, these atmospheric and oceanic conditions reflect ENSO-neutral.

The majority of model forecasts indicate that ENSO-neutral (Niño-3.4 index between -0.5°C and 0.5°C) will persist into the Northern Hemisphere spring 2014.

Though the forecast favors near-average conditions, many models predict a gradual increase from slightly cooler than average to warmer conditions as the spring approaches. Overall, the consensus forecast is for ENSO-neutral to continue into the Northern Hemisphere spring 2014 (see [CPC/IRI consensus forecast](#)).

This discussion is a consolidated effort of the National Oceanic and Atmospheric Administration (NOAA), NOAA's National Weather Service, and their funded institutions. Oceanic and atmospheric conditions are updated weekly on the Climate Prediction Center web site ([El Niño/La Niña Current Conditions and Expert Discussions](#)). Forecasts for the evolution of El Niño/La Niña are updated monthly in the [Forecast Forum](#) section of CPC's Climate Diagnostics Bulletin. The next ENSO Diagnostics Discussion is scheduled for 7 November 2013. To receive an e-mail notification when the monthly ENSO Diagnostic Discussions are released, please send an e-mail message to: ncep.list.ens-update@noaa.gov.

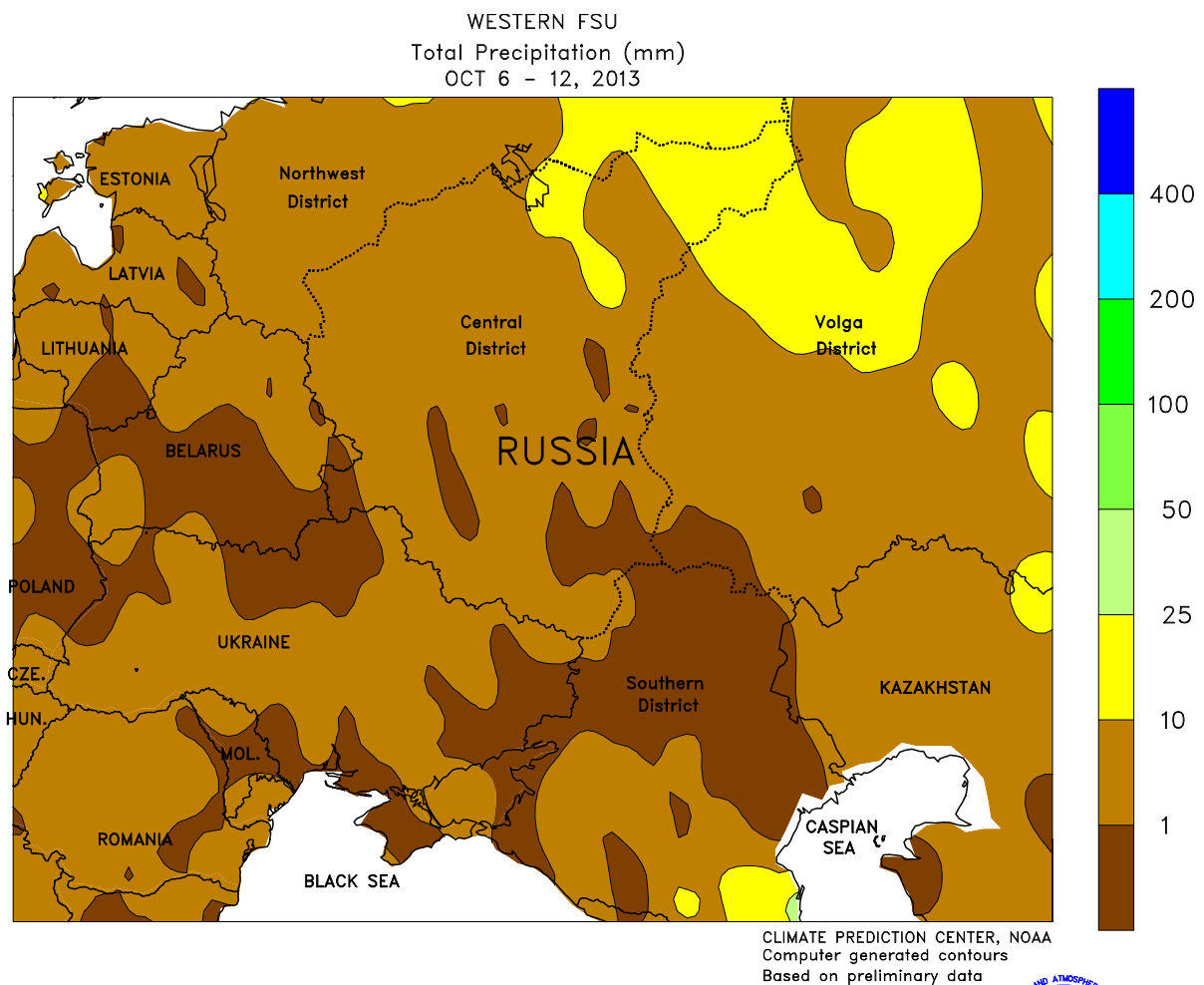


CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



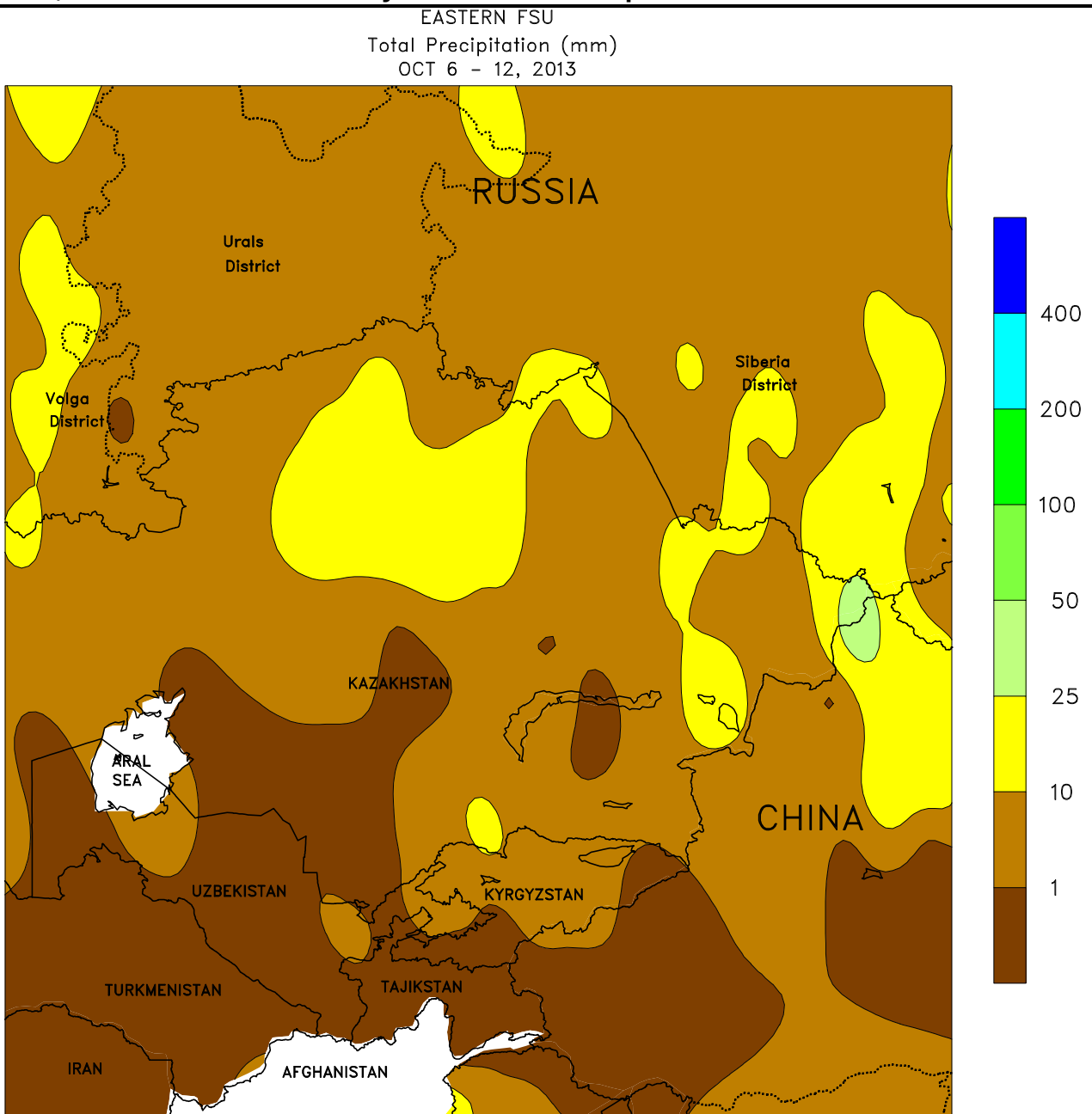
EUROPE

A detailed description of weather events occurring since September 29 will be published in *Weekly Weather and Crop Bulletin* Volume 100, No. 43.



WESTERN FSU

A detailed description of weather events occurring since September 29 will be published in *Weekly Weather and Crop Bulletin* Volume 100, No. 43.

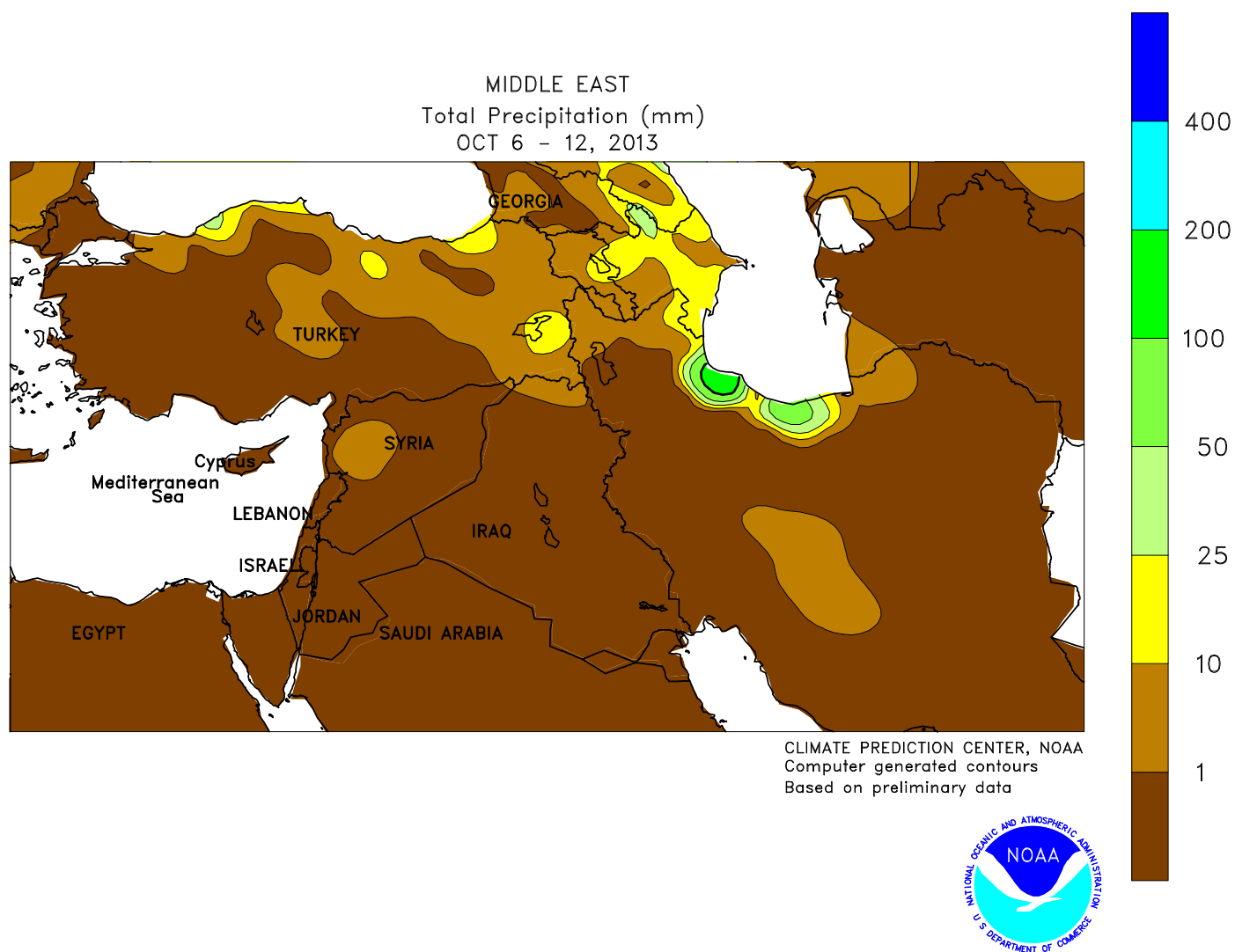


CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

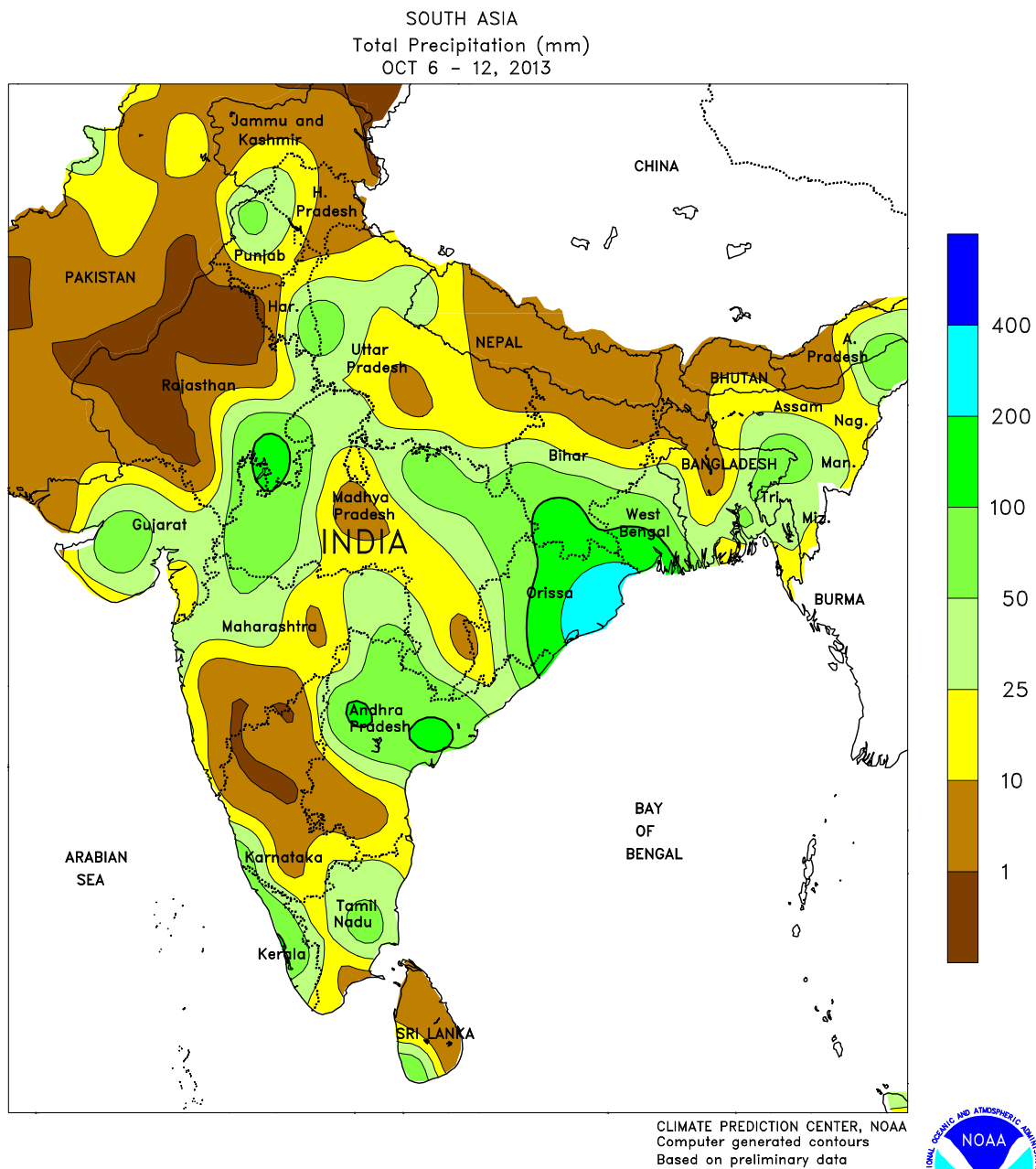


EASTERN FSU

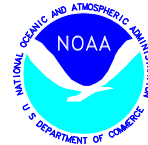
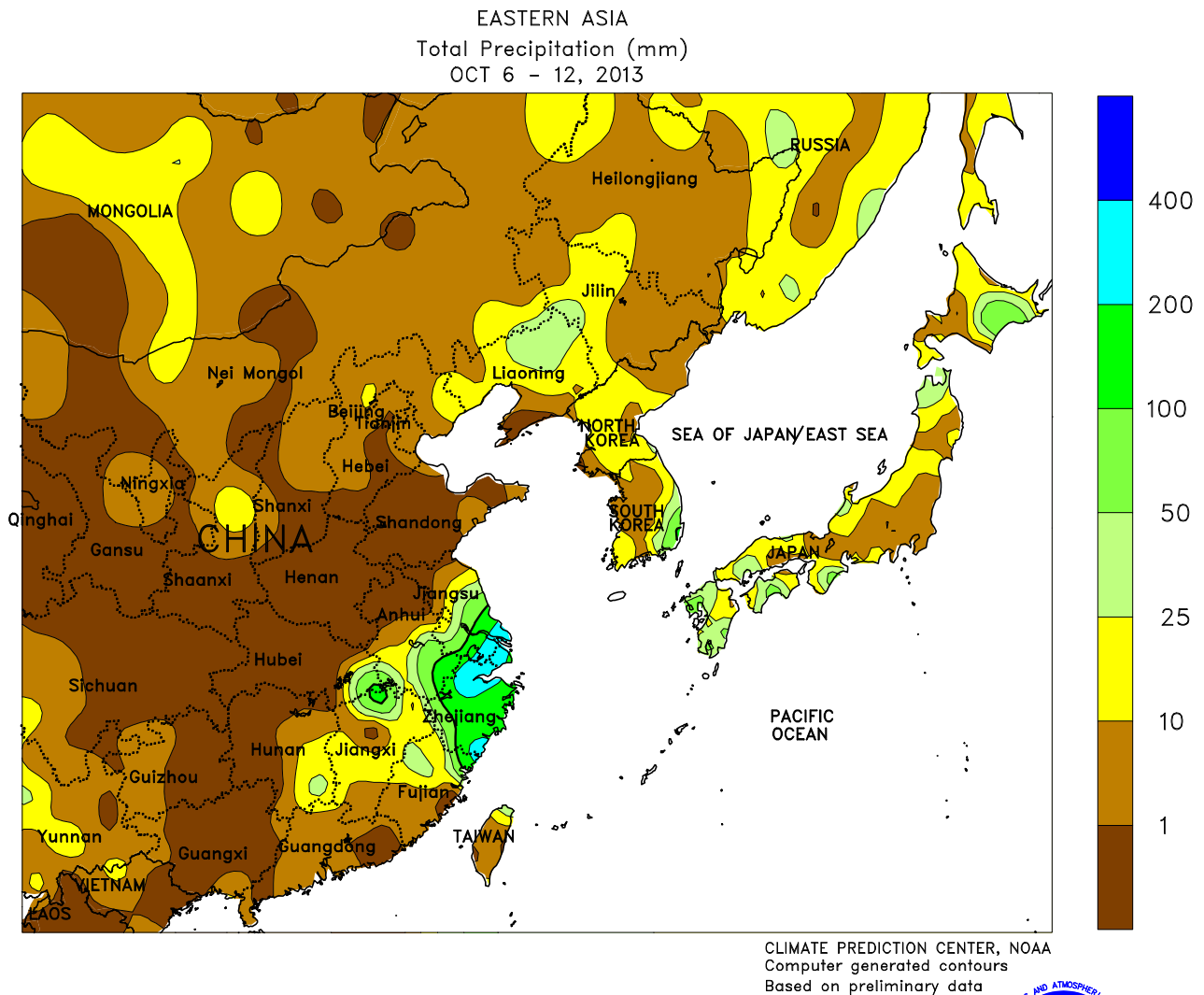
A detailed description of weather events occurring since September 29 will be published in *Weekly Weather and Crop Bulletin* Volume 100, No. 43.

**MIDDLE EAST**

A detailed description of weather events occurring since September 29 will be published in *Weekly Weather and Crop Bulletin* Volume 100, No. 43.

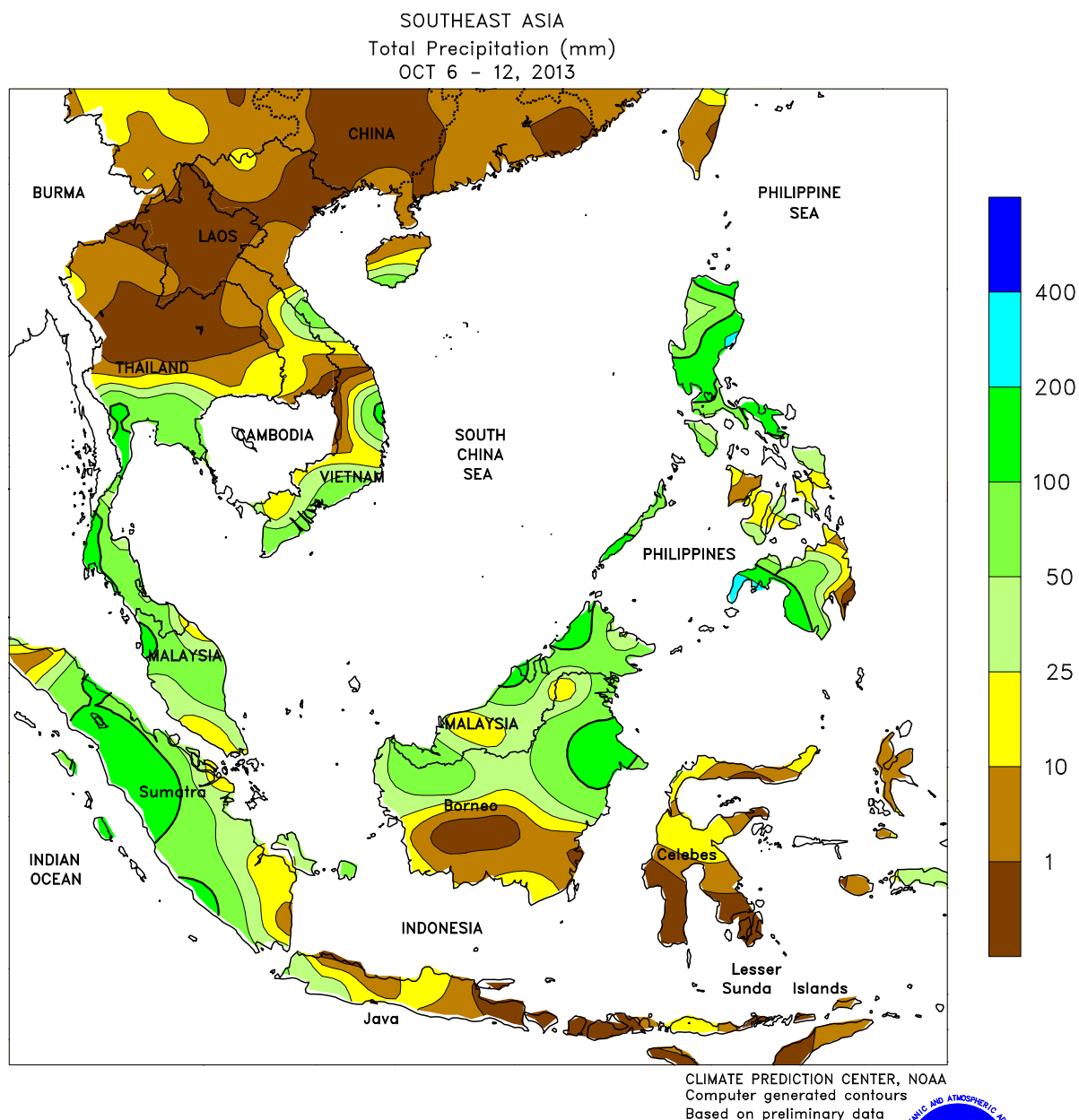
**SOUTH ASIA**

A detailed description of weather events occurring since September 29 will be published in *Weekly Weather and Crop Bulletin* Volume 100, No. 43.



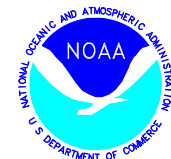
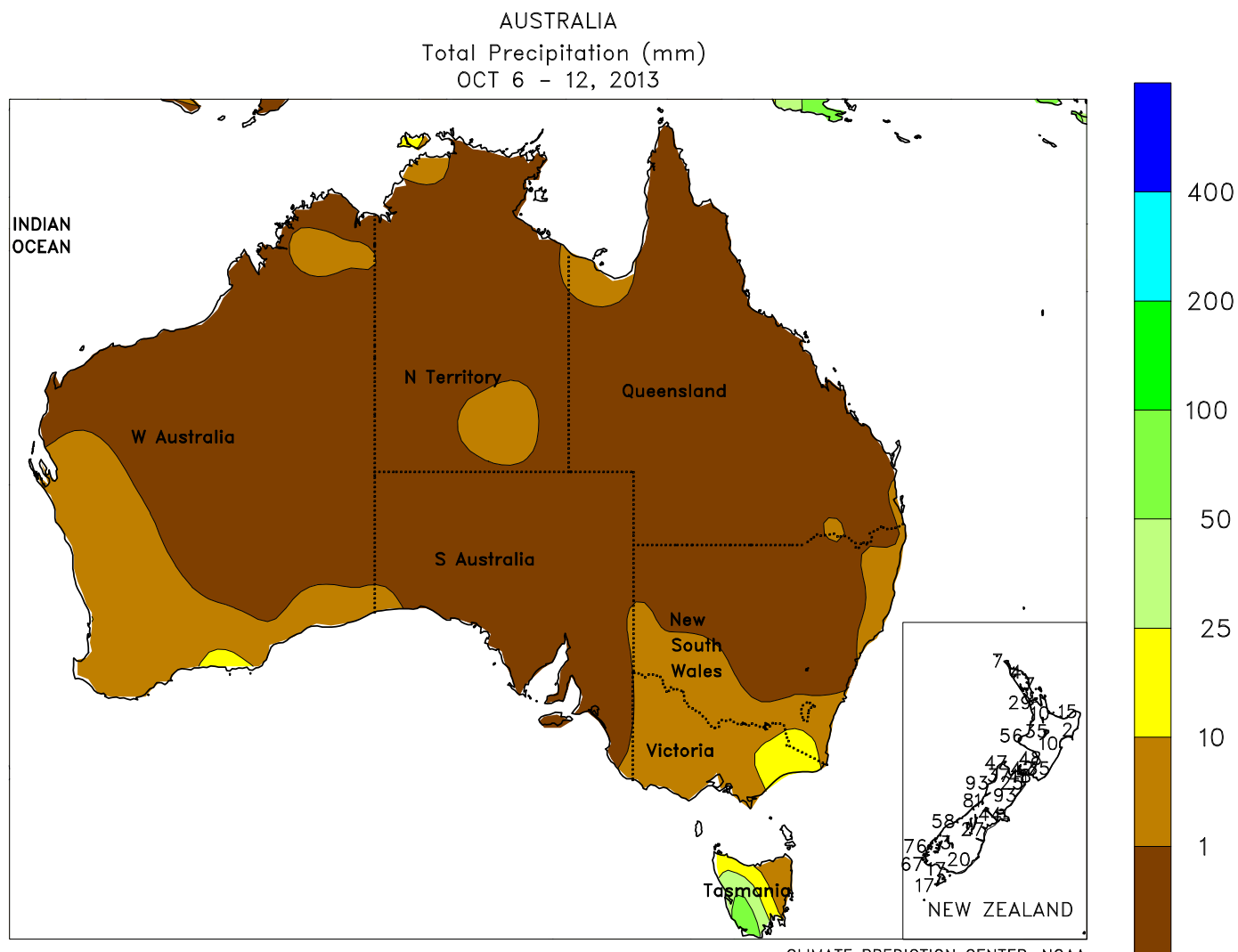
EASTERN ASIA

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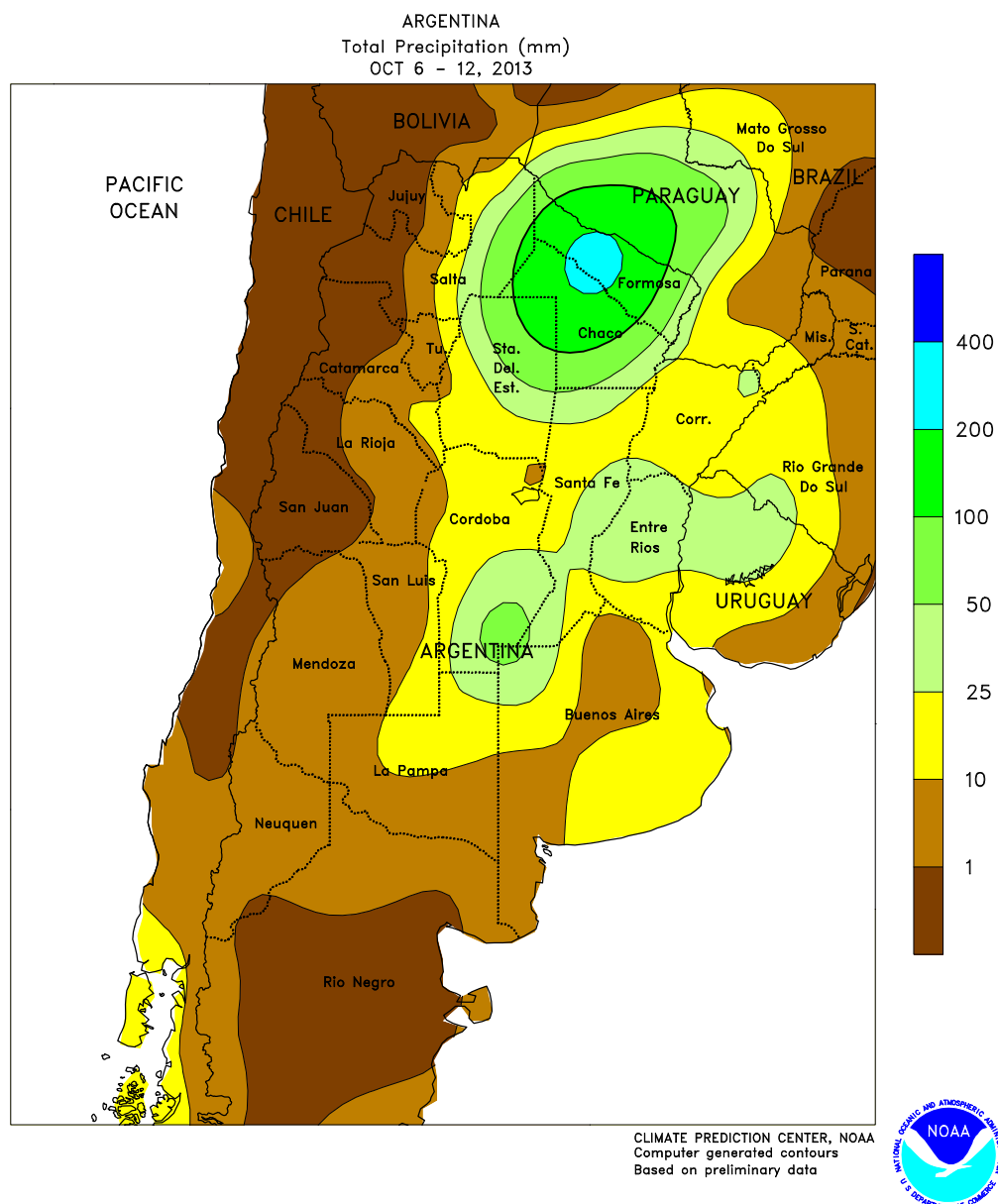
SOUTHEAST ASIA

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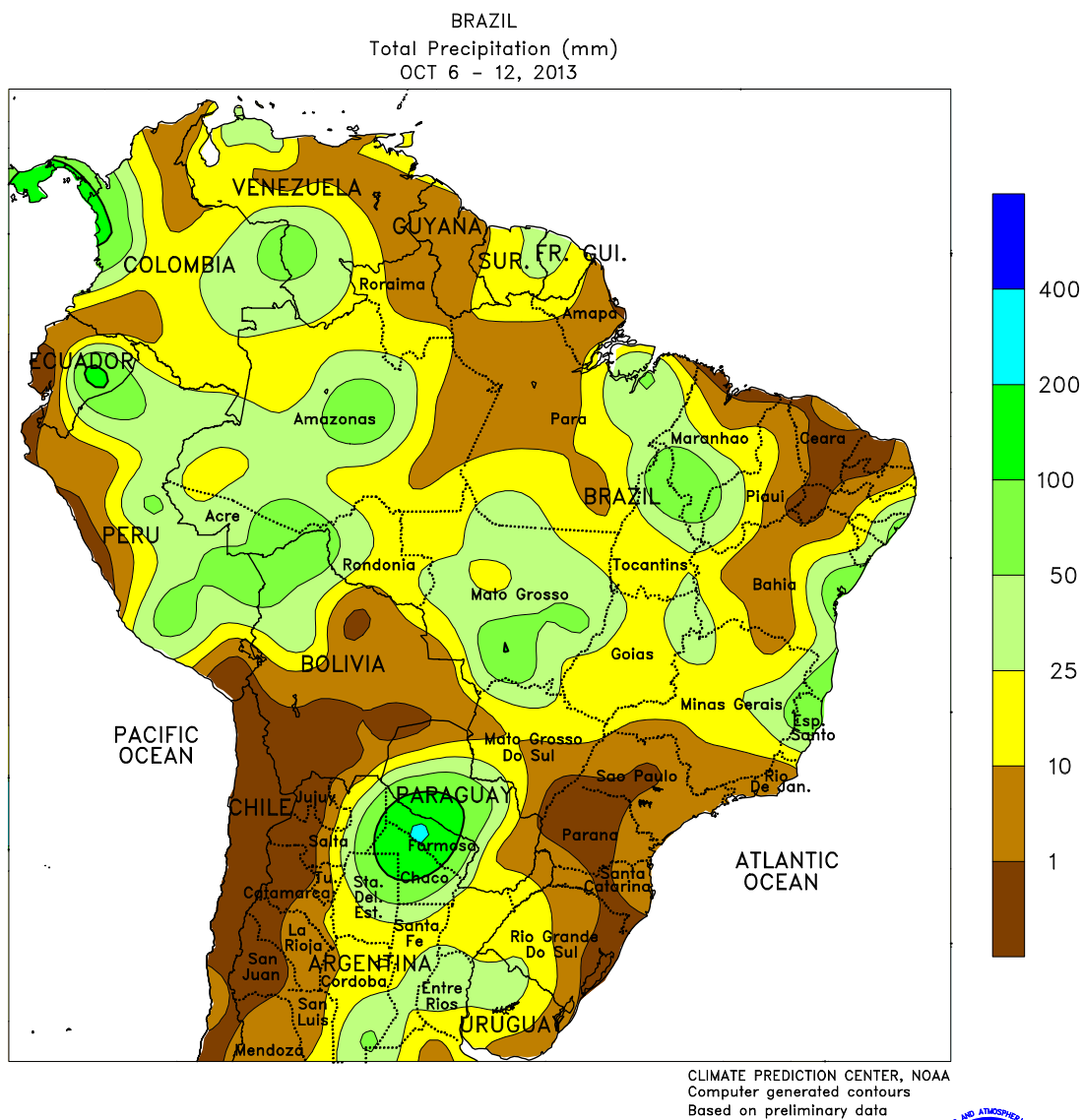
AUSTRALIA

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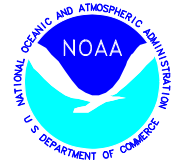
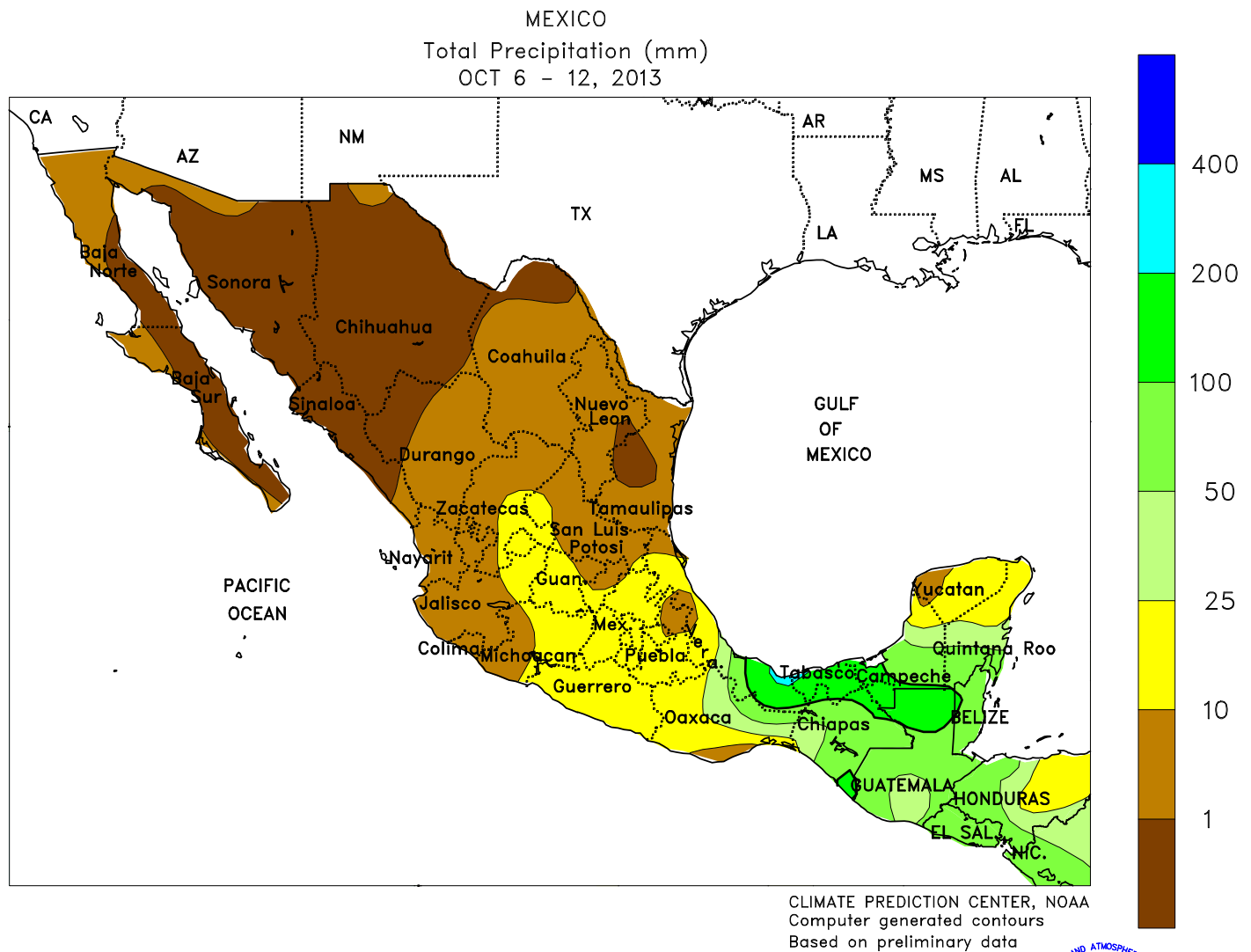
ARGENTINA

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BRAZIL

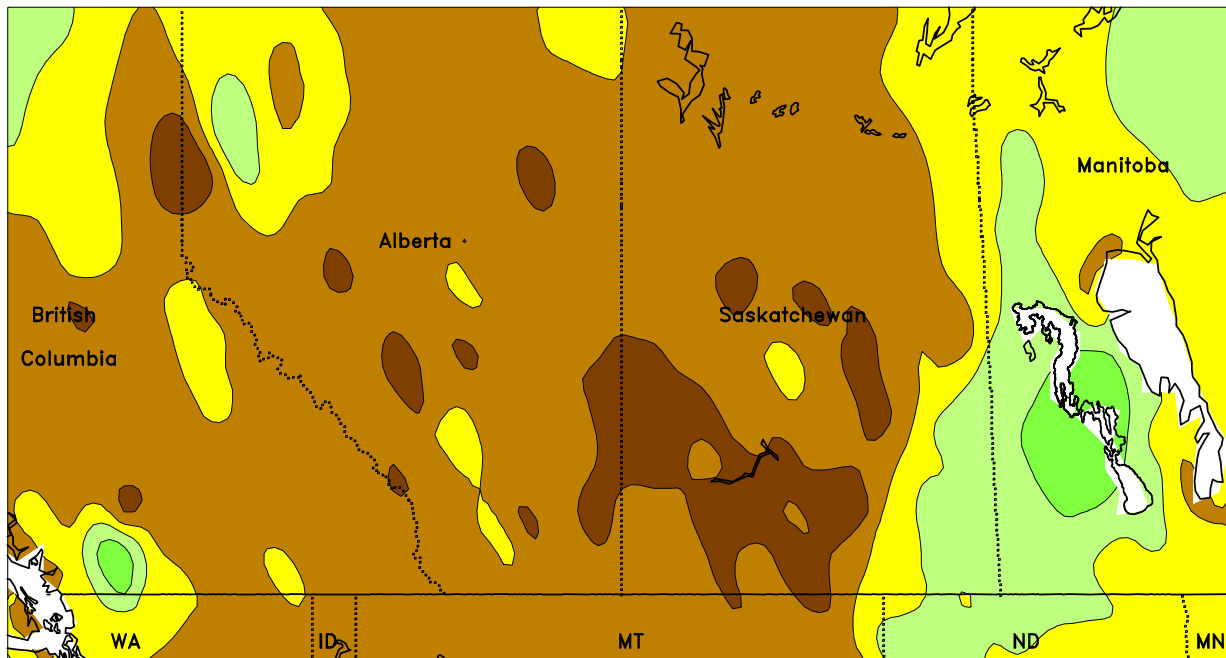
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MEXICO

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CANADIAN PRAIRIES
Total Precipitation (mm)
OCT 6 - 12, 2013



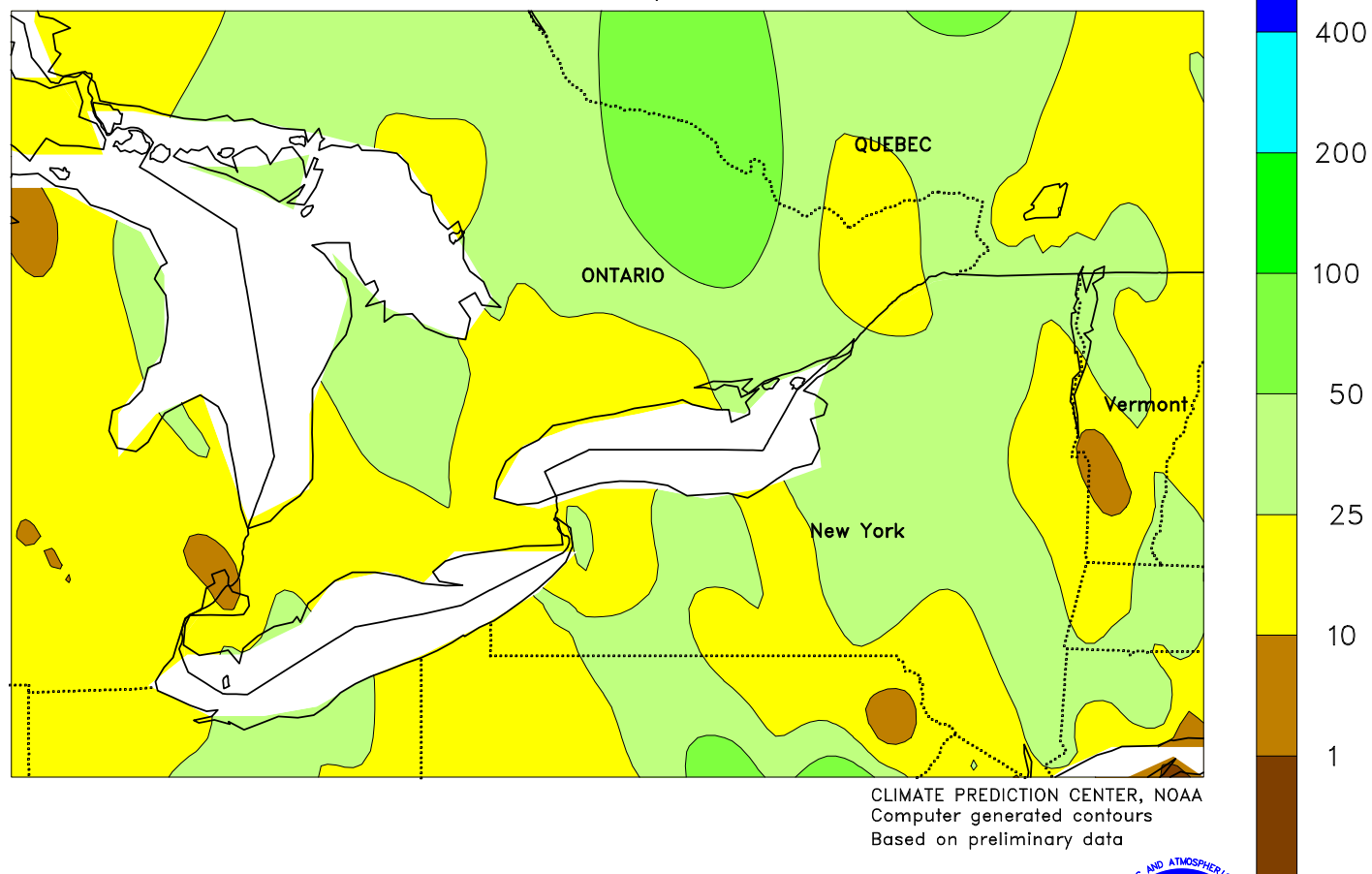
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data



CANADIAN PRAIRIES

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SOUTHEASTERN CANADA
Total Precipitation (mm)
OCT 6 - 12, 2013

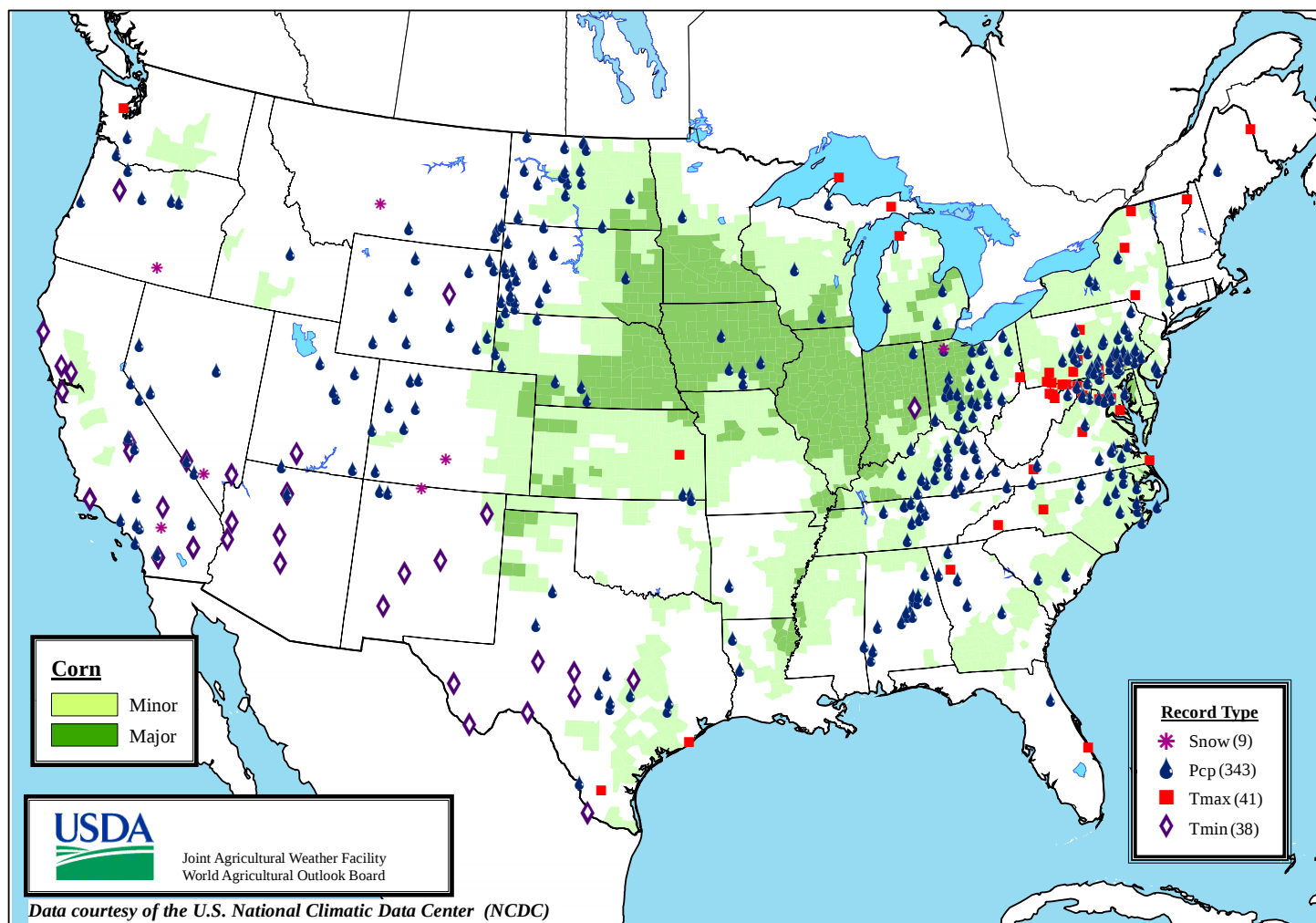


SOUTHEASTERN CANADA

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Daily Weather Records (ASOS & COOP)

October 6-12, 2013



The *Weekly Weather and Crop Bulletin* (ISSN 0043-1974) is jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. The contents may be redistributed freely with proper credit.

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The *Weekly Weather and Crop Bulletin* and archives are maintained on the following USDA Internet URL:

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