WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service and World Agricultural Outlook Board

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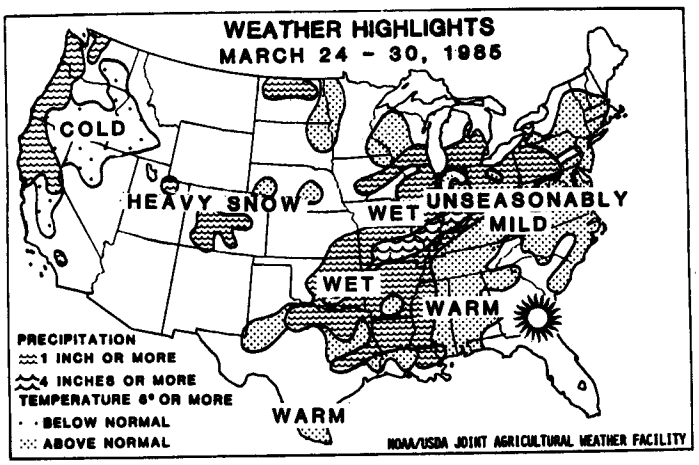
National Weather Summary

March 24 to 30



HIGHLIGHTS: A powerful Pacific storm battered the west coast with high winds, tides, and heavy rain. As the storm moved inland it became a major winter storm and spread snow throughout the western mountains. Meanwhile, showers and thunderstorms, accompanied hail, wind, and tornadoes and spread through most of Texas to the central and lower Mississippi Valley, the Ohio Valley, and across the lower Great Lakes. Rain spread to the mid-Atlantic States and New England. By the end of the week, snow moved into the central Plains. Average temperatures were cool in the West and warm in the East. The east coast and the central Mississippi Valley recorded some record-hot weather.

SUNDAY...Showers and thunderstorms reached from the Ohio and Tennessee Valleys into the Carolinas, while rain extended northward into Pennsylvania and the lower Great Lakes. Snow fell from the upper Lakes to western New York and from West Virginia into Pennsylvania. Rainshowers covered the Washington, Oregon, and northern California Coasts, and snow fell in the higher elevations of the northern Plateau and Rockies.

MONDAY...Snow covered the higher elevations of the central Plateau and northern Rockies, the heaviest amounts fell in western Montana and southeastern Idaho. A few rainshowers developed in the Carolinas. Warm temperatures surged through the central Plains and the northern High Plains into South Dakota.

TUESDAY...A powerful storm began battering the Pacific Coast with wind, tides, and heavy rain, and by evening, covered the coast to southern California. Heavy snow fell in the mountains and reached across the Plateau through the northern Rockies. Showers, thunderstorms, gusty wind, and tornadoes developed through most of Texas and spread through most of Oklahoma and Arkansas to Kansas and Missouri. Lighter showers spread up the Mississippi Valley.

WEDNESDAY...Showers and thunderstorms reached from the central gulf coast through the Tennessee Valley. Light to moderate rain fell across the lower Great Lakes region and into Pennsylvania and New York. Rainshowers and high winds continued all along the Pacific coast, and cold rain or snow covered the central and northern Plateau and Rockies.

THURSDAY...Showers and thunderstorms rumbled across portions of the Great Lakes region from southern Wisconsin into Pennsylvania. Lighter showers fell throughout the Lakes, the Ohio Valley, and from Maryland to New England. Showers and high winds continued through most of the West. Heavy snow covered the higher elevations and moved over the northern Plains and western Great Lakes later in the day. The East and the middle Mississippi Valley measured warmer-than-normal temperatures.

FRIDAY...The winter storm continued spreading heavy snow in the central and southern Rockies. Snow moved over the High Plains of Kansas and Nebraska. Showers and thunderstorms spread from the central and southern Plains through the Ohio Valley to the mid-Atlantic region and New England.

SATURDAY...Snow moved out of the Rockies into Kansas and Nebraska. Showers and thunderstorms reached from eastern Texas, Oklahoma, and southern Kansas through the lower Mississippi and Ohio Valleys. Rain fell from the Ohio Valley to Maryland and northward to southern New England. High temperatures reached into the eighties in the Southeast.

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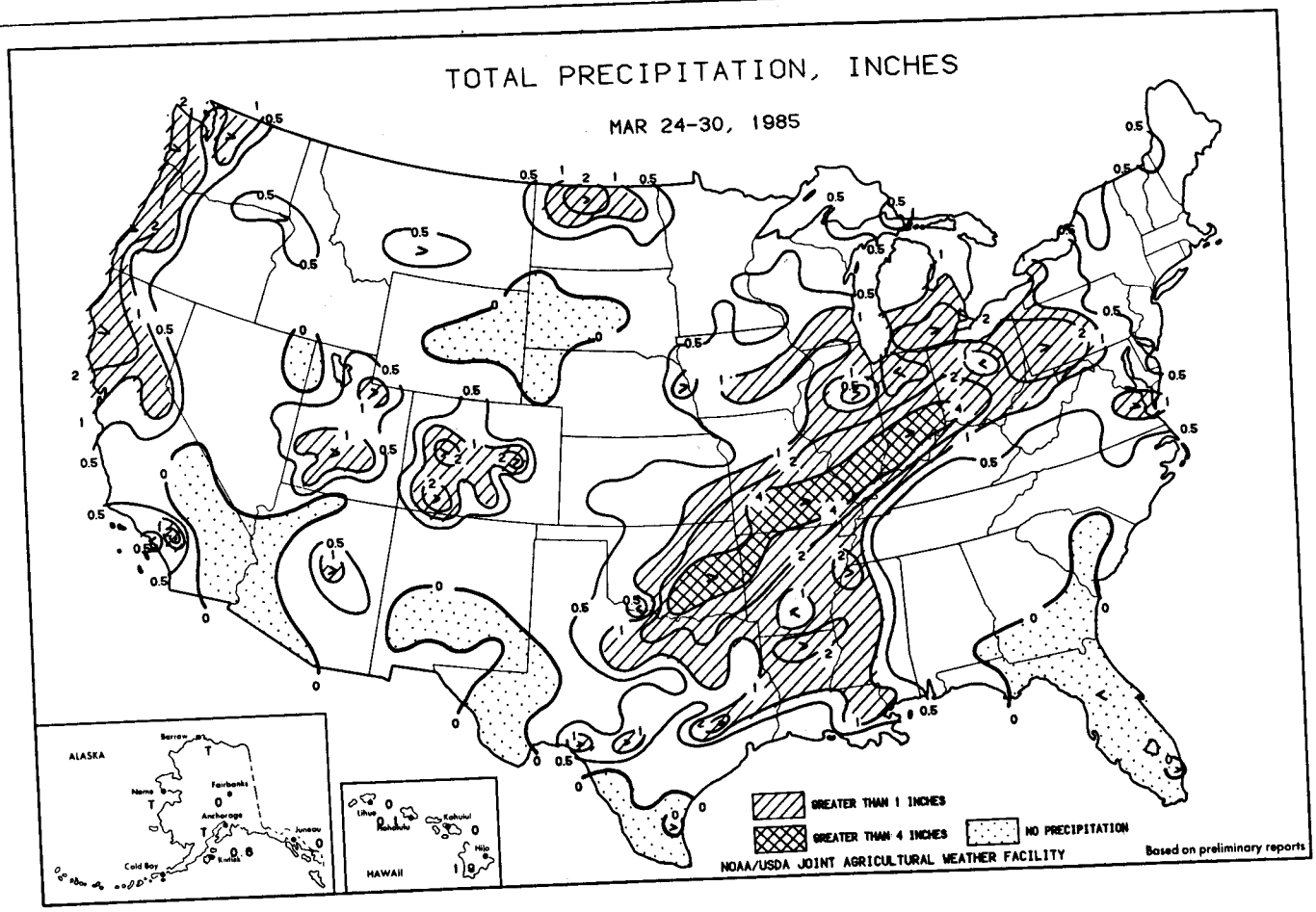
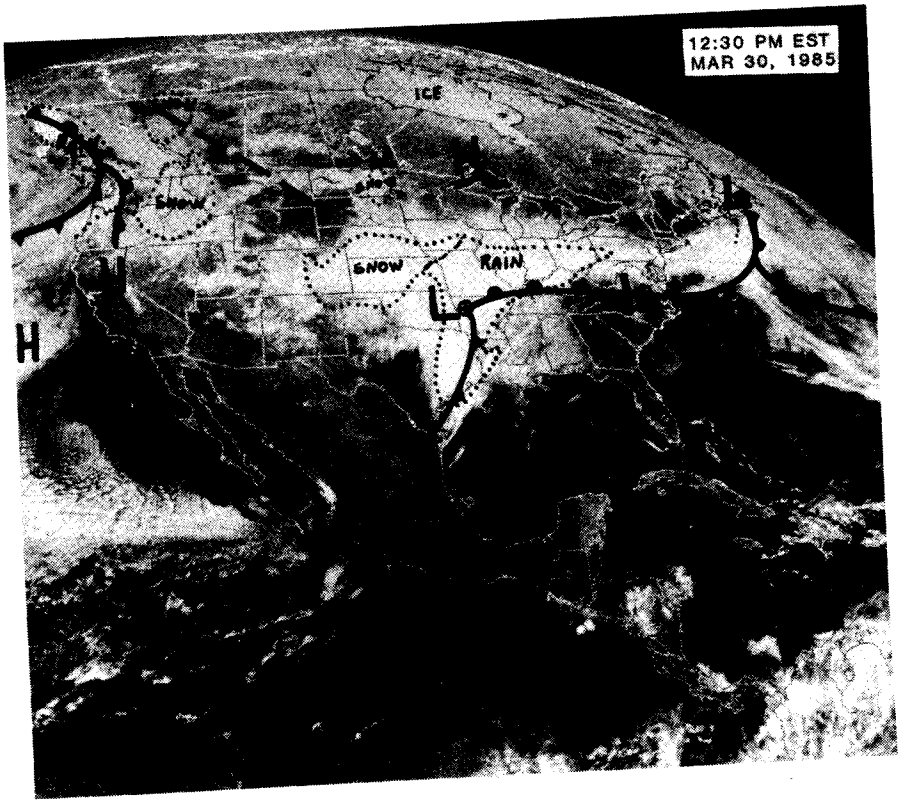


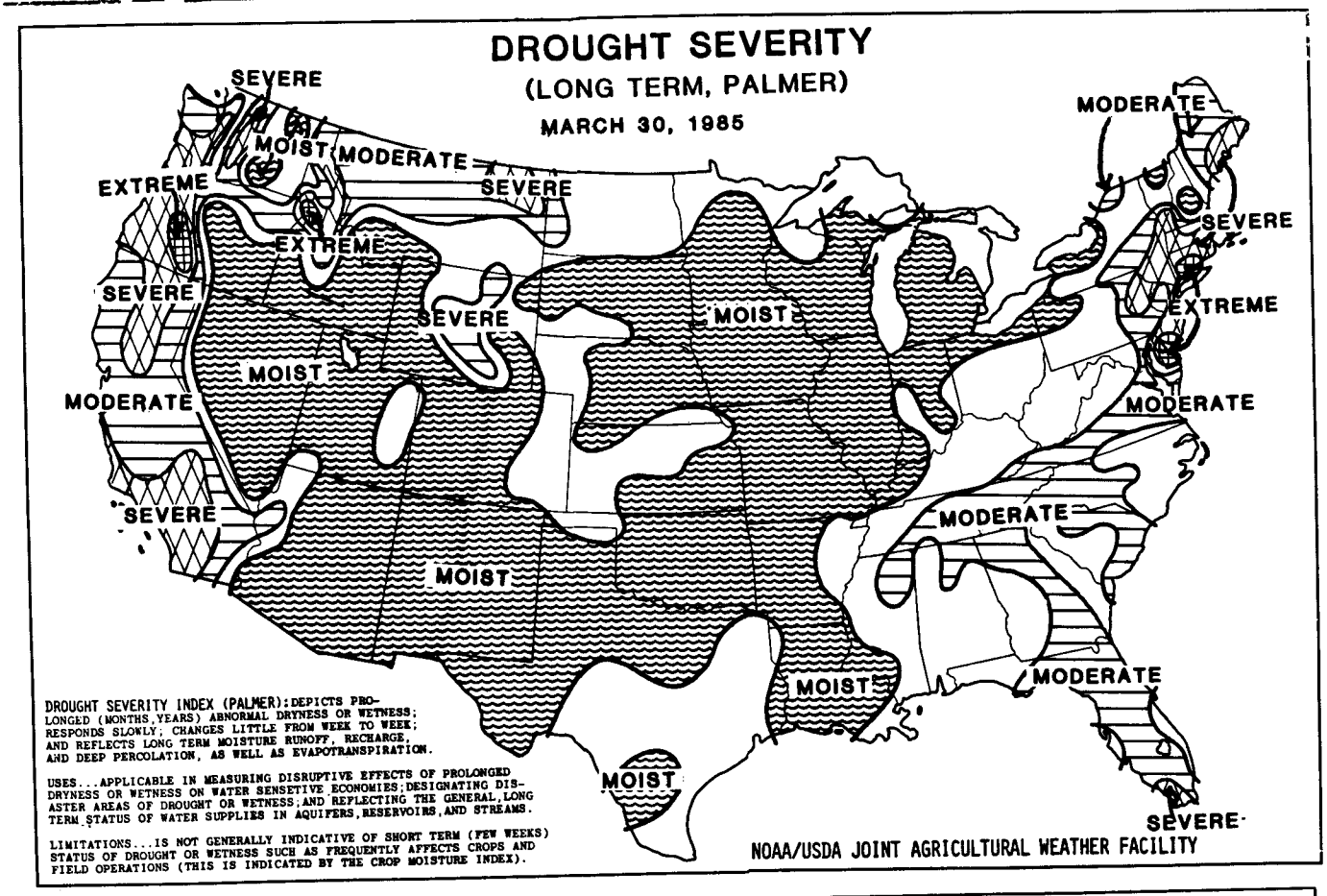


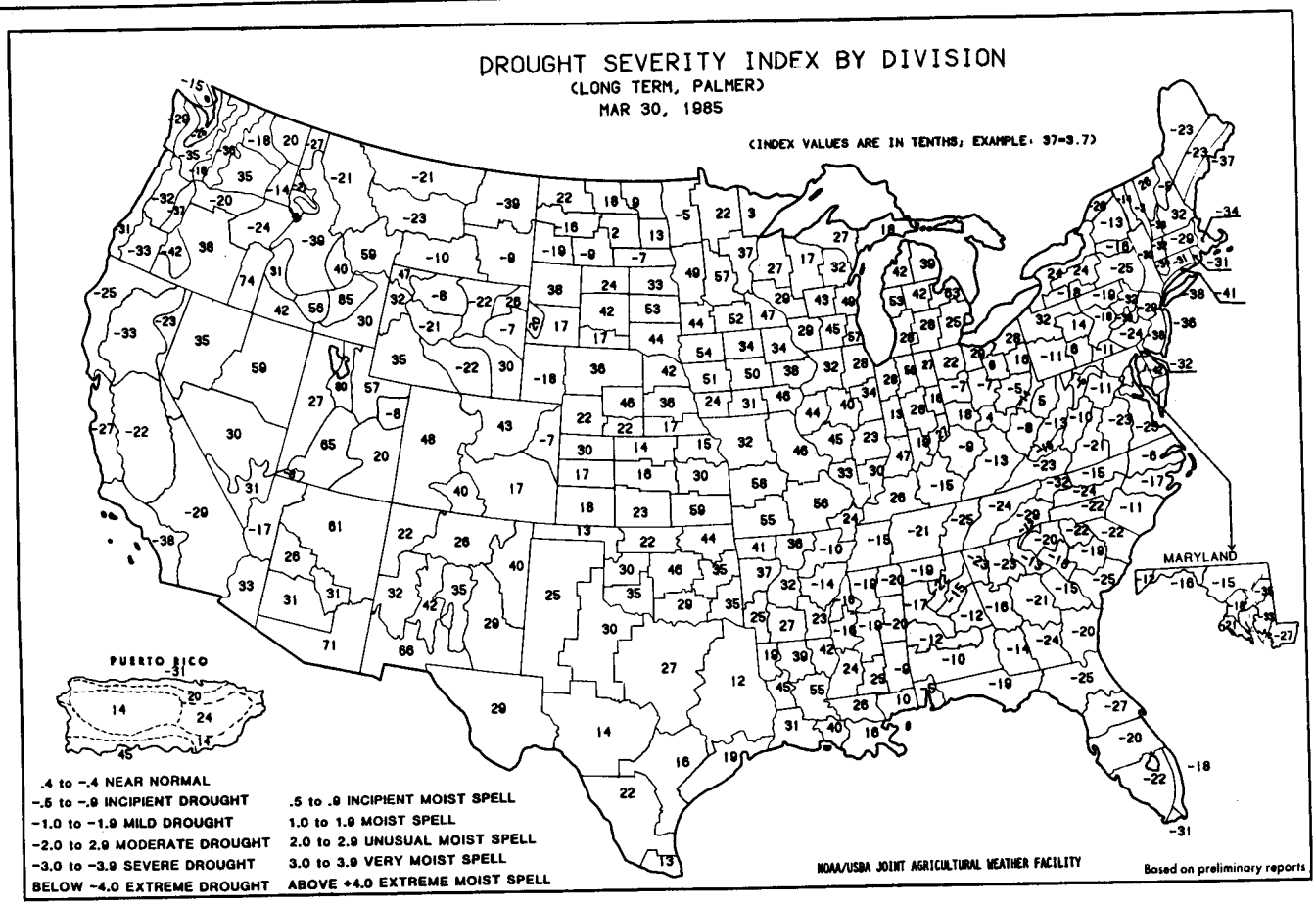
SNOW MOVES OUT OF THE CENTRAL ROCKIES ONTO THE PLAINS AND COVERS MUCH OF THE WESTERN CORN BELT WITH NEW SNOWCOVER.

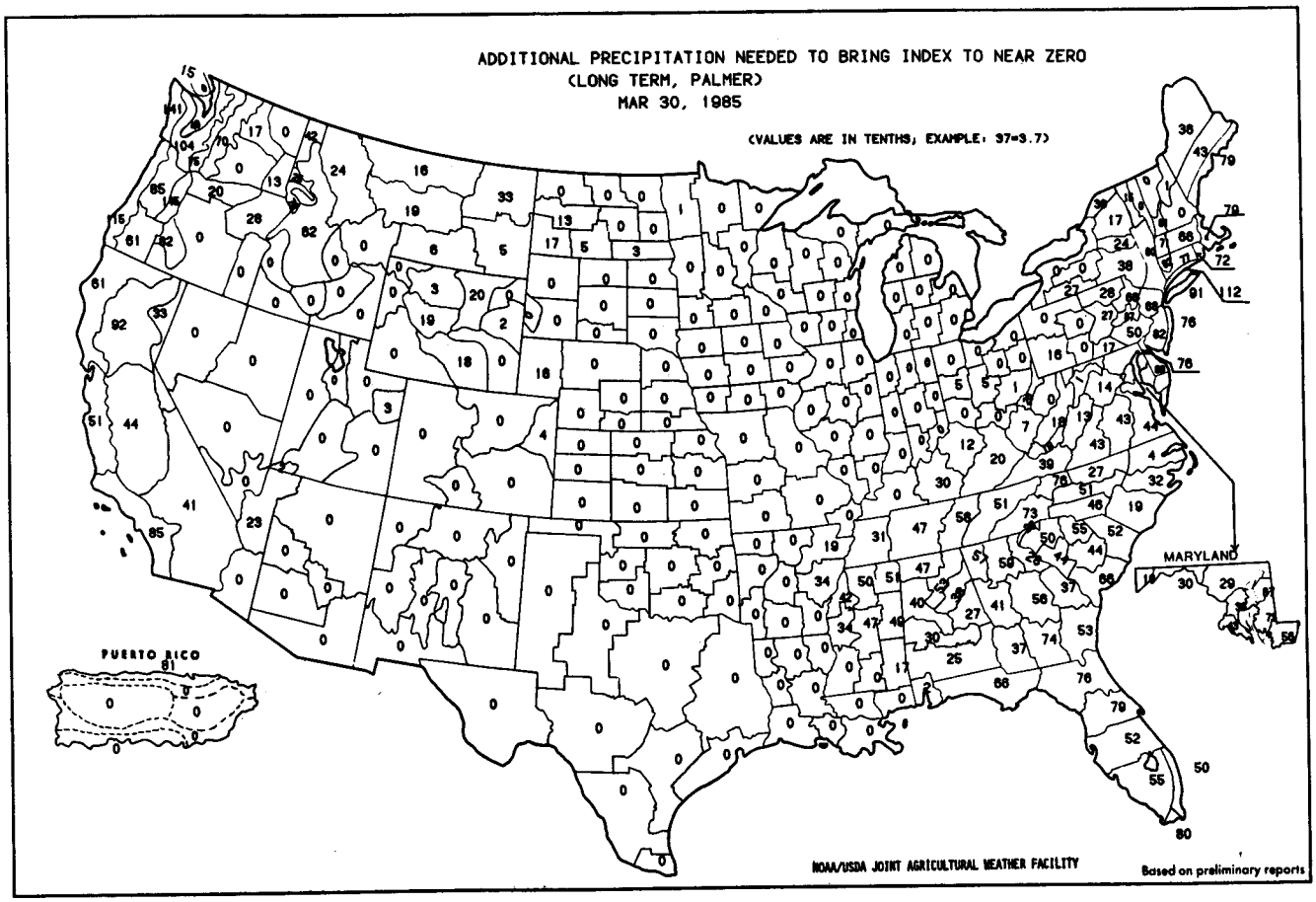
RAIN COVERS THE REST OF THE CORN BELT, AND SOME FLOODING ENSUES.

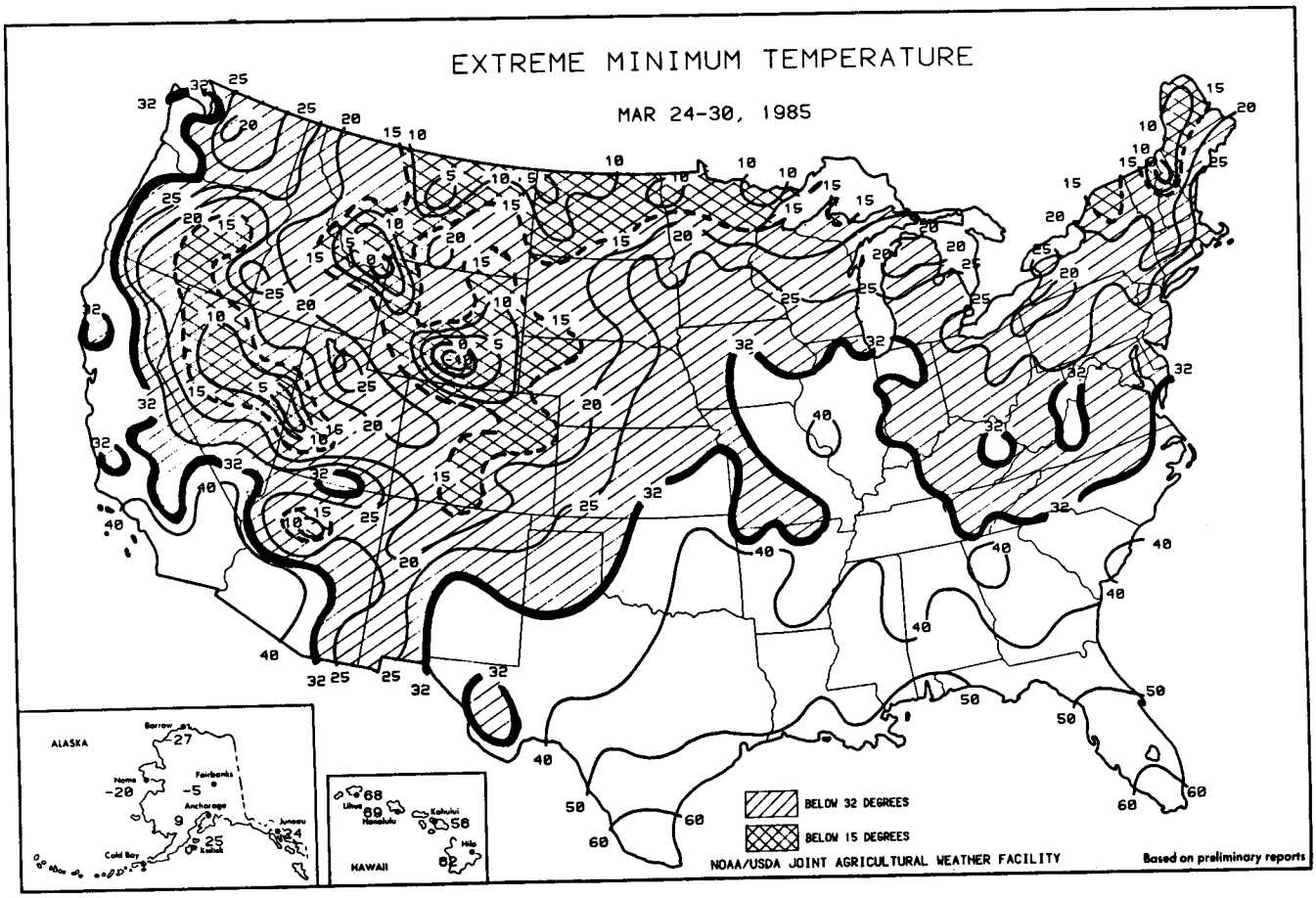
SHOWERS, THUNDERSTORMS, AND A FEW TORNADOES ARE TRIGGERED ALONG A COLD FRONT AS IT MOVES FROM EASTERN TEXAS TOWARD THE LOWER MISSISSIPPI VALLEY.

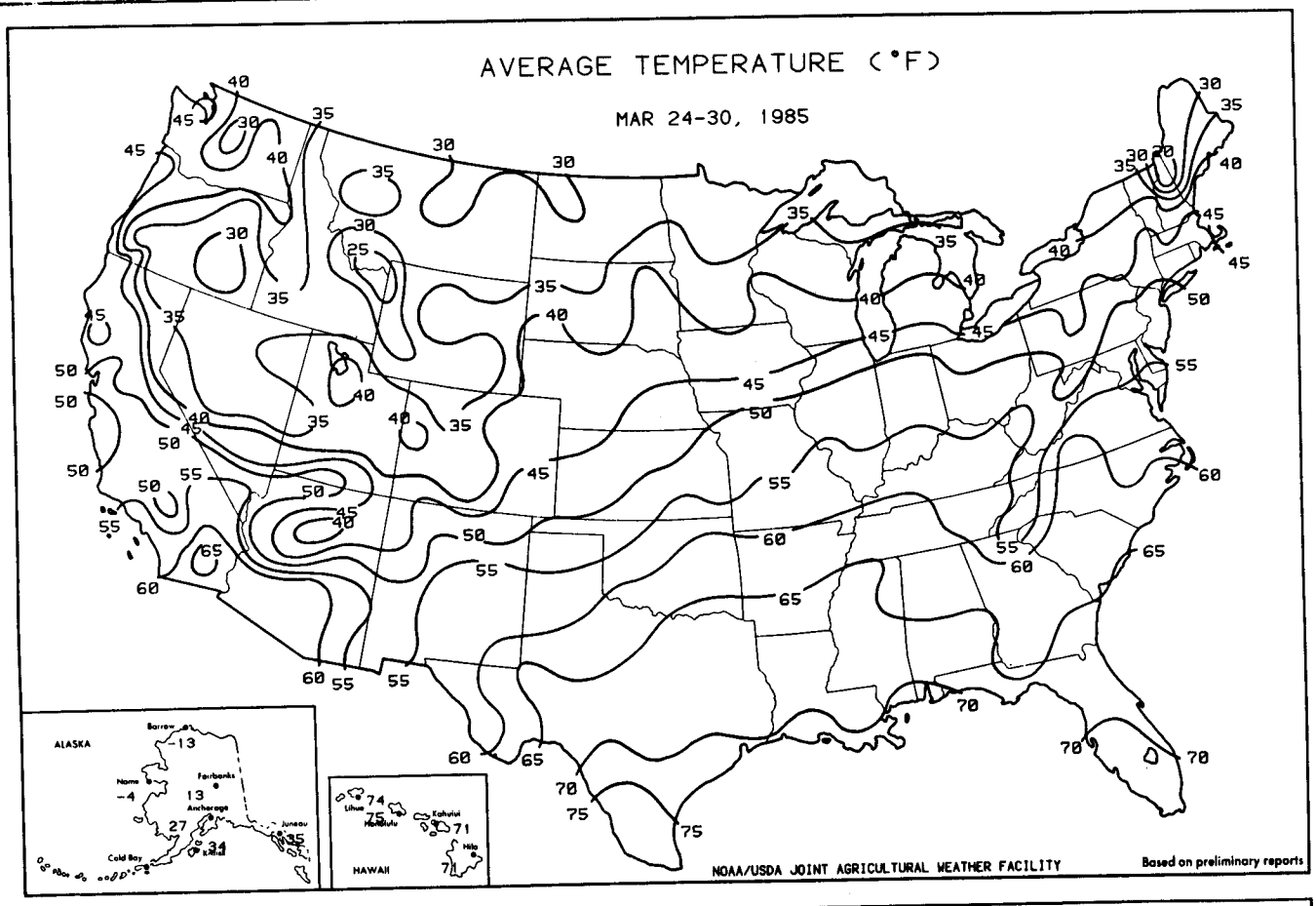
ANOTHER COLD FRONT MOVES ON SHORE AND SPREADS RAIN ALONG THE NORTHWEST COAST AND SNOW ACROSS THE MOUNTAINS.

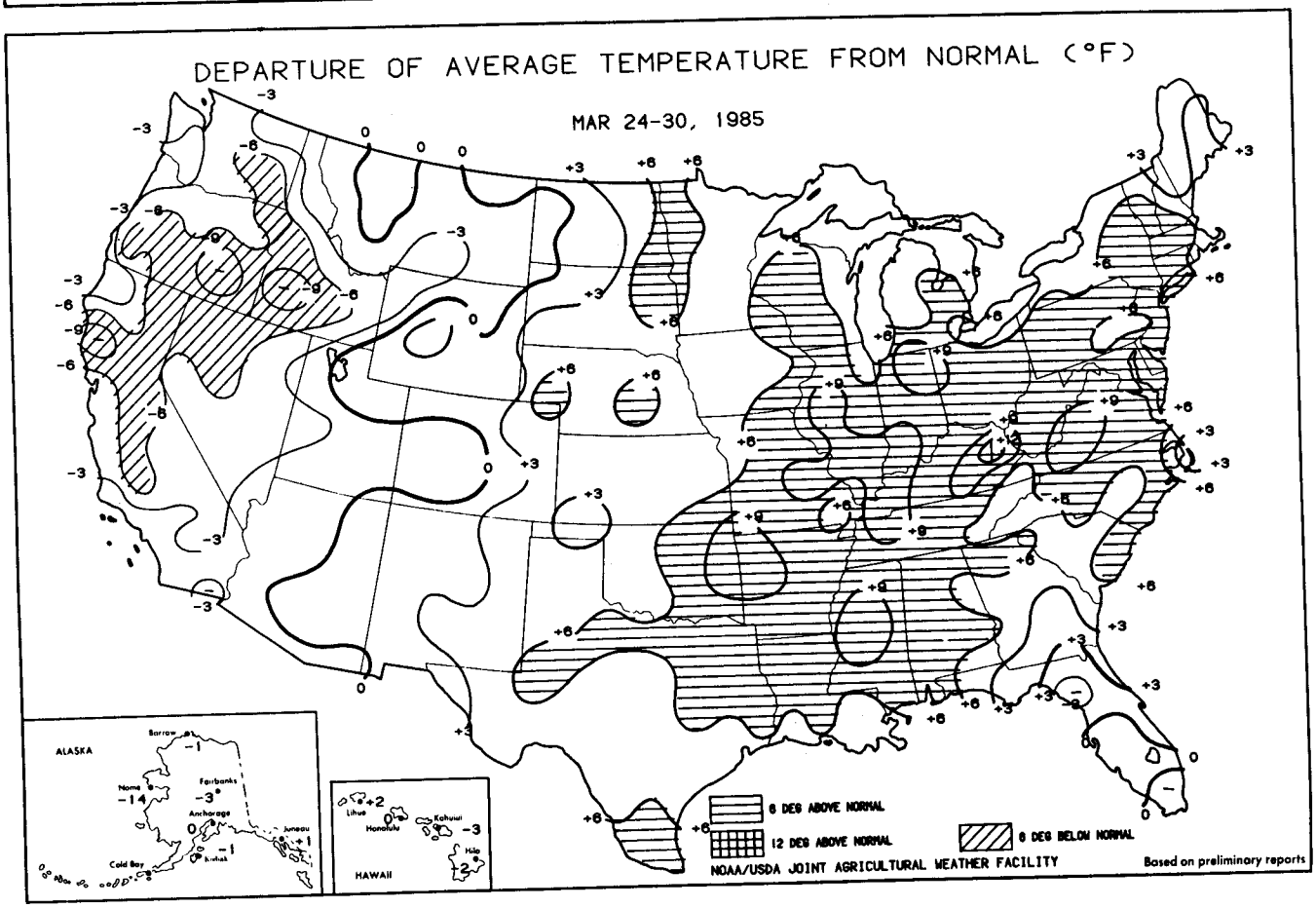

DROUGHT SEVERITY
(LONG TERM, PALMER)
MARCH 30, 1985
SEVERE
MOIST
MODERATE
EXTREME
SEVERE
EXTREME
SEVERE
MOIST
SEVERE
MOIST
MODERATE
SEVERE
MOIST
MODERATE
SEVERE
EXTREME
MODERATE
MODERATE
MOIST
MODERATE
MOIST
SEVERE
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSETIVE ECONOMIES; DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

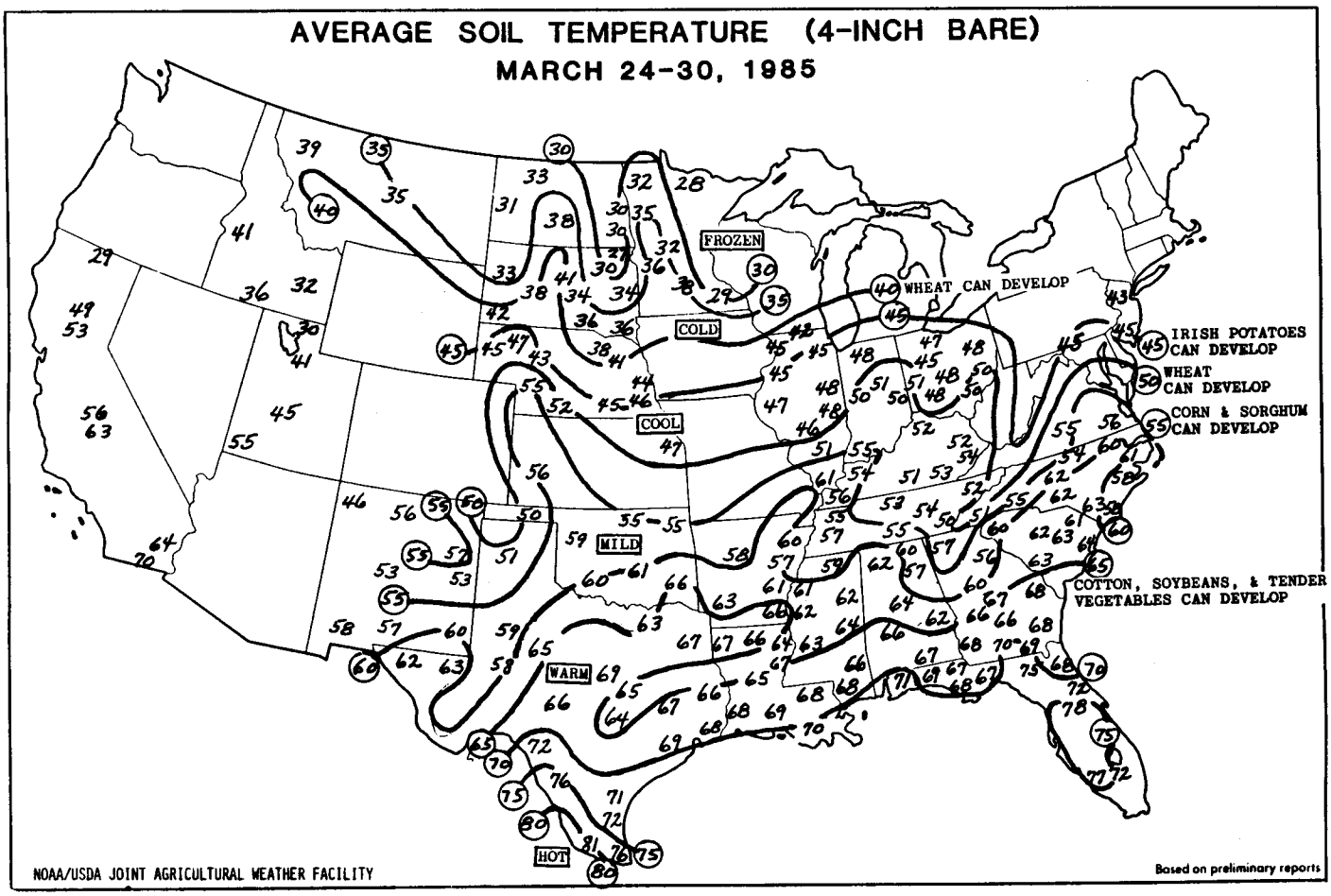

DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
MAR 30, 1985
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
MARYLAND
PUERTO RICO
.4 to -.4 NEAR NORMAL
-.5 to -.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to 2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
.5 to .9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE +4.0 EXTREME MOIST SPELL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

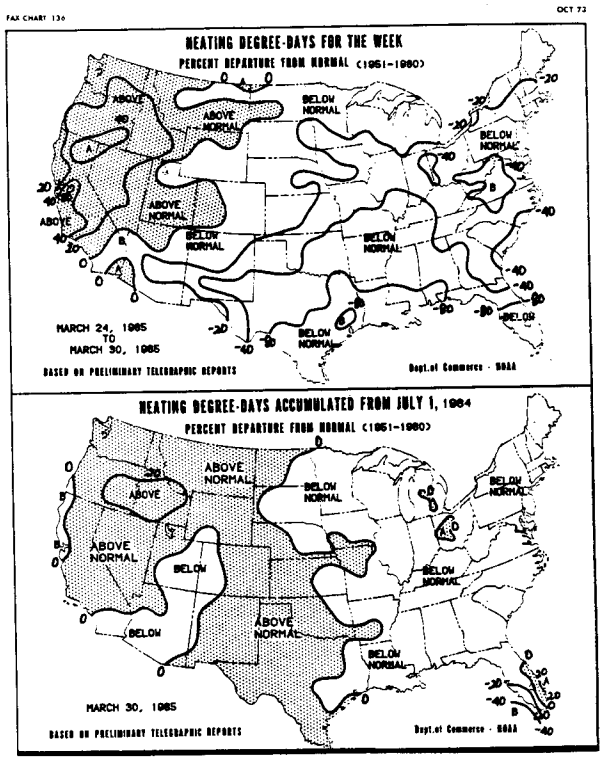

ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX TO NEAR ZERO
(LONG TERM, PALMER)
MAR 30, 1985
(VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
MARYLAND
PUERTO RICO
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

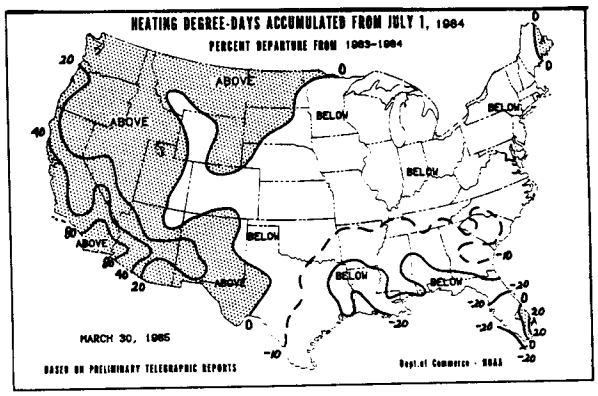

EXTREME MINIMUM TEMPERATURE
MAR 24-30, 1985
ALASKA
HAWAII
BELOW 32 DEGREES
BELOW 15 DEGREES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE TEMPERATURE (°F)
MAR 24-30, 1985
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
MAR 24-30, 1985
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
HAWAII
Lihue
Honolulu
Kahului
Hilo
6 DEG ABOVE NORMAL
12 DEG ABOVE NORMAL
6 DEG BELOW NORMAL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE SOIL TEMPERATURE (4-INCH BARE)
MARCH 24-30, 1985
FROZEN
COLD
COOL
MILD
WARM
HOT
WHEAT CAN DEVELOP
IRISH POTATOES CAN DEVELOP
WHEAT CAN DEVELOP
CORN & SORGHUM CAN DEVELOP
COTTON, SOYBEANS, & TENDER VEGETABLES CAN DEVELOP
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


HEATING DEGREE-DAYS FOR THE WEEK
PERCENT DEPARTURE FROM NORMAL (1951-1980)
MARCH 24, 1985 TO MARCH 30, 1985
BASED ON PRELIMINARY TELEGRAPHIC REPORTS
Dept. of Commerce - NOAA
HEATING DEGREE-DAYS ACCUMULATED FROM JULY 1, 1984
PERCENT DEPARTURE FROM NORMAL (1951-1980)
MARCH 30, 1985
BASED ON PRELIMINARY TELEGRAPHIC REPORTS
Dept. of Commerce - NOAA


HEATING DEGREE-DAYS ACCUMULATED FROM JULY 1, 1984
PERCENT DEPARTURE FROM 1983-1984
MARCH 30, 1985
BASED ON PRELIMINARY TELEGRAPHIC REPORTS
Dept. of Commerce - NOAA

Weather Data for the Week Ending March 30, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	74	53	83	39	64	7	T	-1.4	T	1.6	24	11.4	70	80	31	0	0	1	0
MOBILE	79	60	81	50	70	7	.3	-1.1	.3	5.3	85	16.8	106	90	45	0	0	1	0
MONTGOMERY	80	53	85	42	67	7	.1	-1.2	.1	1.7	29	14.0	97	88	36	0	0	2	0
AK ANCHORAGE	35	19	39	9	27	0	T	-.1	T	.9	128	2.4	100	87	47	0	7	1	0
BARROW	-7	-19	-1	-27	-13	-1	T	0	T	.1	81	.3	60	68	51	0	7	1	0
FAIRBANKS	26	0	31	-5	13	-3	T	-.1	T	.6	146	1.5	115	81	51	0	7	0	0
JUNEAU	40	29	42	24	35	1	T	-.7	T	.3	8	1.2	12	92	55	0	5	0	0
KODIAK	39	29	42	25	34	-1	.6	-.2	.5	5.6	142	21.4	116	80	47	0	6	4	0
NOME	7	-15	11	-20	-4	-14	T	-.1	T	1.5	271	2.6	137	84	61	0	7	1	0
AZ PHOENIX	76	51	86	42	64	1	.1	-.1	.1	.5	58	1.6	76	57	17	0	0	2	0
PRESCOTT	54	34	70	24	44	-1	.2	-.1	.2	1.7	113	4.4	94	69	29	0	3	2	0
TUCSON	74	46	84	33	60	0	T	-.1	T	.2	30	3.0	143	52	13	0	0	1	0
YUMA	78	51	91	45	64	-2	0	0	0	T	0	.2	25	48	18	1	0	0	0
AR FORT SMITH	75	52	86	40	64	9	4.3	3.4	1.9	7.5	200	14.9	184	84	44	0	0	4	3
LITTLE ROCK	75	52	83	34	63	8	1.1	-.1	.8	5.3	113	11.7	97	88	54	0	0	2	1
CA BAKERSFIELD	64	43	71	35	53	-5	.2	0	.1	.5	61	1.4	48	81	30	0	0	3	0
EUREKA	53	39	58	37	46	-2	2.9	1.8	1.1	5.4	110	9.8	57	91	68	0	0	5	4
FRESNO	62	42	71	35	52	-4	.4	.1	.2	1.7	111	2.9	53	81	39	0	0	3	0
LOS ANGELES	63	50	67	47	57	-1	.4	0	.3	.7	42	3.3	45	75	44	0	0	2	0
RED BLUFF	60	40	76	35	50	-5	1.1	.7	1.1	3.1	131	4.6	46	75	35	0	0	2	1
SACRAMENTO	59	38	70	34	49	-6	.7	.2	.6	1.7	85	3.9	44	96	50	0	0	2	1
SAN DIEGO	65	54	72	48	59	0	.3	-.1	.2	.6	37	1.8	35	83	49	0	0	2	0
SAN FRANCISCO	59	42	67	39	51	-2	1.2	.7	1.1	3.3	127	6.4	61	90	54	0	0	4	1
CO DENVER	57	32	74	19	44	4	.4	.1	.3	.7	59	2.0	83	58	21	0	2	2	0
GRAND JUNCTION	53	33	70	24	43	-2	.5	.3	.2	.9	125	1.7	89	73	35	0	4	4	0
PUEBLO	59	28	77	23	44	0	.3	.1	.2	.5	83	1.5	125	70	30	0	6	2	0
CT BRIDGEPORT	59	38	74	30	49	7	T	-.9	T	1.8	46	4.7	47	73	32	0	3	1	0
HARTFORD	60	34	76	19	47	6	T	-1.0	T	1.7	43	4.2	39	58	23	0	4	1	0
DC WASHINGTON	64	43	81	31	54	4	.4	-.4	.3	1.7	50	6.9	79	83	45	0	1	4	0
FL APALACHICOLA	75	57	77	46	66	2	0	-.9	0	2.2	56	9.6	86	87	54	0	0	0	0
DAYTONA BEACH	79	53	85	47	66	0	0	-.6	0	1.5	51	2.8	34	86	37	0	0	0	0
JACKSONVILLE	80	49	86	40	65	1	T	-.8	T	1.4	38	3.9	38	90	33	0	0	0	0
KEY WEST	79	71	81	67	75	-1	0	-.3	0	2.1	167	2.7	55	63	45	0	0	0	0
MIAMI	78	65	80	59	72	-2	T	-.4	T	1.4	74	1.8	30	80	41	0	0	1	0
ORLANDO	81	55	85	52	68	-1	0	-.7	0	4.6	147	6.8	85	95	35	0	0	0	0
TALLAHASSEE	80	49	83	39	65	2	T	-1.2	T	3.2	58	7.8	52	96	36	0	0	0	0
TAMPA	81	58	83	53	70	1	0	-.7	0	1.8	53	5.9	69	82	36	0	0	0	0
WEST PALM BEACH	78	60	83	54	69	-2	0	-.6	0	3.5	134	4.8	61	81	43	0	0	0	0
GA ATLANTA	72	51	83	40	62	6	.1	-1.2	.1	1.5	25	10.6	70	81	35	0	0	1	0
AUGUSTA	78	48	88	35	63	5	T	-1.0	T	1.2	26	11.1	87	89	33	0	0	1	0
MACON	77	49	86	33	63	3	.1	-1.0	.1	1.1	23	9.1	65	93	39	0	0	1	0
SAVANNAH	79	51	88	38	65	4	0	-.8	0	1.6	44	3.5	35	81	30	0	0	0	0
HI HILO	77	64	78	62	71	-2	1.9	-1.1	.5	20.3	155	38.6	107	89	58	0	0	7	1
HONOLULU	81	70	84	69	75	0	.1	-.6	.1	1.1	33	6.4	65	80	55	0	0	1	0
KAHULUI	80	61	83	56	71	-3	T	-.6	T	1.1	38	3.5	34	93	52	0	0	0	0
LIHUE	78	71	79	68	74	2	T	-1.0	T	.3	6	10.2	71	77	61	0	0	0	0
ID BOISE	43	27	48	20	35	-9	.3	0	.1	.9	89	1.6	43	89	46	0	6	4	0
LEWISTON	49	31	52	25	40	-5	.5	.2	.3	.9	89	1.7	53	87	44	0	4	2	0
POCATELLO	41	24	59	19	32	-6	.6	.4	.4	1.5	168	3.1	107	88	54	0	7	4	0
IL CHICAGO	54	37	70	31	45	5	1.5	.8	.9	3.8	153	8.7	161	94	63	0	3	5	1
MOLINE	56	41	75	32	48	8	.9	.2	.6	4.4	165	8.1	145	81	54	0	1	3	1
PEORIA	59	42	83	36	51	8	2.3	1.5	1.3	5.6	205	9.2	159	91	57	0	0	4	2
QUINCY	61	43	84	36	52	8	.8	0	.5	3.0	99	7.2	124	89	56	0	0	4	0
ROCKFORD	51	38	67	32	45	6	.9	.2	.7	3.2	129	6.0	118	94	67	0	2	4	1
SPRINGFIELD	61	44	86	36	53	8	1.5	.7	.8	4.1	136	7.7	120	90	51	0	0	2	2
IN EVANSVILLE	68	49	83	35	59	10	4.2	3.1	2.7	6.0	135	12.0	115	86	52	0	0	3	2
FORT WAYNE	61	41	77	29	51	10	.9	.2	.6	2.9	102	8.5	123	86	51	0	2	4	1
INDIANAPOLIS	62	43	78	31	52	8	2.7	1.9	1.4	4.8	138	9.9	115	89	49	0	2	5	2
SOUTH BEND	56	42	68	33	49	9	.7	-.1	.3	2.5	84	9.3	126	83	54	0	0	5	0
IA DES MOINES	52	37	73	32	45	4	1.4	.8	.8	3.0	141	5.6	133	90	56	0	2	2	2
SIOUX CITY	53	34	77	28	44	4	.7	.2	.5	2.0	122	2.4	75	82	48	0	4	2	0
WATERLOO	51	36	74	31	43	7	.5	-.1	.3	2.5	114	4.3	108	82	57	0	1	3	0
KS CONCORDIA	57	37	69	29	47	3	.5	0	.5	.9	52	2.9	88	95	49	0	3	1	0
DODGE CITY	63	36	83	25	49	3	.5	.2	.5	1.1	76	3.3	138	76	33	0	3	2	1
GOODLAND	58	30	75	17	44	4	.3	0	.2	.3	32	1.0	56	72	27	0	4	2	0
TOPEKA	61	41	76	31	51	5	.4	-.2	.3	2.3	111	5.0	125	85	46	0	1	2	0
WICHITA	63	41	77	32	52	4	.7	.2	.5	1.7	85	4.0	114	85	45	0	1	2	0
KY BOWLING GREEN	67	50	79	32	58	8	.3	-.9	.2	2.2	41	6.5	47	93	53	0	1	3	0
LEXINGTON	64	46	74	32	55	7	.6	-.5	.4	3.4	73	6.4	56	87	56	0	1	4	0
LOUISVILLE	65	48	80	32	56	7	2.0	.9	.8	4.0	86	8.2	73	83	52	0	1	4	2
LA ALEXANDRIA	78	59	80	47	68	6	1.1	-.1	.6	3.2	63	15.2	100	90	57	0	0	2	2
BATON ROUGE	79	59	81	49	69	5	.9	-.2	.5	4.0	91	14.5	104	91	48	0	0	2	0
LAKE CHARLES	78	59	80	49	69	5	.2	-.5	.2	3.6	121	13.8	124	97	59	0	0	2	0
NEW ORLEANS	78	60	80	48	69	5	1.2	.2	1.2	6.9	151	21.0	142	85	48	0	0	1	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending March 30, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	79	55	83	40	67	7	1.3	.4	.8	4.9	135	11.7	105	94	51	0	0	2	1
ME CARIBOU	37	22	47	13	29	0	T	-.5	T	1.4	61	5.1	74	75	48	0	7	1	0
PORTLAND	51	30	63	24	41	5	.1	-.8	.1	3.1	80	5.7	51	80	30	0	4	2	0
MD BALTIMORE	65	41	83	26	53	6	.9	0	.4	2.0	56	7.0	73	72	36	0	2	4	0
SALISBURY	65	45	83	31	55	7	.5	-.4	.5	2.3	58	8.0	75	91	47	0	1	2	0
MA BOSTON	56	37	74	28	46	4	T	-.9	T	2.1	51	5.0	43	70	28	0	2	1	0
CHATHAM	--	--	-999	--	--	--	0	-.9	0	4.1	104	7.7	62	--	--	0	0	0	0
MI ALPENA	43	28	55	18	36	4	.6	.2	.3	2.7	142	7.1	145	93	52	0	5	3	0
DETROIT	52	34	63	24	43	4	2.2	1.5	1.7	3.8	155	10.3	172	95	53	0	2	5	1
FLINT	51	35	59	28	43	6	2.0	1.4	1.4	3.8	185	8.8	173	93	59	0	2	3	2
GRAND RAPIDS	50	35	61	27	43	5	1.9	1.3	1.0	4.1	173	9.3	160	92	56	0	4	3	2
HOUGHTON LAKE	44	29	53	18	37	4	.5	0	.3	1.9	106	5.5	120	90	55	0	5	3	0
LANSING	50	34	60	26	42	5	1.8	1.2	1.2	3.4	152	8.4	153	95	61	0	4	3	2
MARQUETTE	39	23	50	12	31	3	.5	-.2	.2	2.8	104	8.7	132	92	56	0	6	3	0
MUSKEGON	50	34	58	26	42	5	.8	.2	.4	3.9	158	9.2	142	84	52	0	3	3	0
SAULT STE. MARIE	41	24	45	16	33	4	.4	-.1	.2	2.5	125	7.9	134	86	52	0	7	3	0
MN ALEXANDRIA	40	30	58	25	35	5	.1	-.3	.1	2.0	175	2.9	107	96	65	0	5	2	0
DULUTH	37	26	46	15	32	4	.3	-.2	.3	1.7	98	2.7	71	88	64	0	5	2	0
INT'L FALLS	39	24	47	14	31	5	.2	-.1	.1	.7	65	1.8	67	85	54	0	6	4	0
MINNEAPOLIS	48	32	67	27	40	5	.7	.3	.4	3.2	195	4.6	139	79	52	0	4	5	0
ROCHESTER	47	32	67	29	40	6	.3	-.2	.1	2.0	122	3.2	103	88	63	0	4	4	0
MS GREENWOOD	76	57	82	45	67	9	1.9	.5	1.1	2.8	46	9.6	61	88	47	0	0	2	2
JACKSON	79	56	86	42	68	8	1.1	-.3	.7	3.0	53	14.5	96	93	44	0	0	2	1
MERIDIAN	79	55	85	41	67	8	.3	-1.3	.3	2.1	33	11.4	71	94	46	0	0	1	0
MO CAPE GIRARDEAU	69	49	83	36	59	--	5.2	4.0	4.4	7.2	147	13.3	123	96	56	0	0	3	2
COLUMBIA	64	44	85	37	54	8	1.3	.5	.9	3.1	102	10.4	160	86	46	0	0	3	1
KANSAS CITY	60	41	74	29	51	5	.5	-.1	.4	2.0	86	5.6	122	87	46	0	1	3	0
SAINT LOUIS	66	47	89	40	56	9	1.8	1.0	.8	4.0	125	8.3	119	85	48	0	0	3	2
SPRINGFIELD	67	45	80	30	56	8	5.3	4.5	2.5	7.6	228	13.4	191	88	51	0	1	5	2
MT BILLINGS	43	25	68	20	34	-3	.5	.2	.3	2.0	204	2.7	100	88	47	0	7	4	0
GLASGOW	43	22	62	10	32	1	.1	0	.1	.3	71	.4	33	97	51	0	6	2	0
GREAT FALLS	44	26	61	16	35	1	.4	.1	.2	1.0	113	1.6	62	87	41	0	6	3	0
HAVRE	42	22	51	8	32	-1	.2	.1	.2	.3	58	.7	47	95	48	0	7	2	0
HELENA	45	24	62	17	35	0	.1	-.1	.1	.4	55	.9	50	82	31	0	7	3	0
KALISPELL	39	26	42	19	33	-3	.4	.2	.2	.7	88	2.3	66	81	49	0	7	3	0
MILES CITY	45	24	67	16	34	-1	.4	.3	.4	.9	168	1.2	71	91	58	0	7	1	0
MISSOULA	45	27	47	20	36	-1	.2	-.1	.1	.4	54	1.3	43	94	40	0	6	3	0
NE GRAND ISLAND	57	34	81	26	46	5	.2	-.2	.2	1.1	71	1.6	57	78	35	0	4	3	0
LINCOLN	57	35	72	25	46	5	.5	0	.5	1.1	56	1.9	54	90	46	0	3	2	0
NORFOLK	54	33	78	28	43	5	.5	0	.3	1.3	89	1.7	61	89	42	0	5	2	0
NORTH PLATTE	57	29	77	20	43	4	.1	-.2	.1	.4	41	1.1	55	77	29	0	4	1	0
OMAHA	55	36	72	30	45	5	.6	.1	.4	1.4	73	2.5	69	88	58	0	4	3	0
SCOTTSBLUFF	60	24	81	13	42	3	T	-.3	T	.4	40	1.2	71	69	18	0	7	0	0
VALENTINE	53	25	70	18	39	3	0	-.3	0	.3	39	.9	56	73	30	0	5	0	0
NV ELY	44	19	63	2	32	-4	.5	.3	.3	1.1	122	2.0	87	89	41	0	6	4	0
LAS VEGAS	67	45	82	40	56	-1	T	-.1	T	.1	15	.3	21	49	16	0	0	1	0
RENO	46	28	56	19	37	-6	.4	.3	.3	1.1	146	2.0	69	80	35	0	6	3	0
WINNEMUCCA	45	22	61	10	34	-7	.4	.2	.2	.7	114	2.2	100	97	52	0	6	4	0
NH CONCORD	56	30	71	22	43	6	T	-.7	T	2.6	93	5.6	69	77	22	0	4	2	0
NJ ATLANTIC CITY	64	40	79	23	52	7	.3	-.6	.2	2.2	56	5.9	55	83	37	0	2	3	0
NM ALBUQUERQUE	64	37	74	25	51	2	.1	0	0	.7	137	1.7	131	58	15	0	3	2	0
CLOVIS	67	39	75	29	53	3	.1	-.1	.1	2.4	400	3.9	229	65	19	0	2	1	0
ROSWELL	74	45	81	34	59	3	0	-.1	0	.7	262	1.0	125	65	17	0	0	0	0
NY ALBANY	58	34	73	23	46	8	.2	-.6	.1	3.0	104	5.0	66	75	28	0	4	2	0
BINGHAMTON	54	33	75	23	44	8	.3	-.4	.1	2.9	103	5.5	71	88	36	0	3	4	0
BUFFALO	49	34	71	25	41	4	1.3	.6	.7	3.4	118	11.0	133	94	48	0	3	4	1
NEW YORK	62	42	80	32	52	8	.1	-.9	0	1.8	44	4.3	42	70	32	0	2	2	0
ROCHESTER	52	34	74	23	43	5	.6	0	.5	2.4	100	6.7	94	87	49	0	3	3	0
SYRACUSE	52	32	68	23	42	4	.5	-.2	.4	2.1	68	6.1	73	88	48	0	4	3	0
NC ASHEVILLE	68	38	83	26	53	3	.1	-1.0	.1	.7	14	8.4	69	93	38	0	3	1	0
CHARLOTTE	73	48	85	32	61	7	T	-1.0	T	.6	12	9.8	80	82	33	0	1	1	0
GREENSBORO	74	46	86	28	60	8	.1	-.8	.1	.7	17	8.8	82	80	29	0	1	1	0
HATTERAS	63	50	74	36	56	2	.1	-.7	.1	2.4	61	12.3	97	92	59	0	0	1	0
NEW BERN	75	49	90	35	62	6	T	-.7	T	2.7	76	10.2	89	73	38	1	0	1	0
RALEIGH	72	46	87	29	59	6	.5	-.3	.4	1.0	29	10.3	97	80	37	0	1	2	0
WILMINGTON	76	53	88	38	65	7	T	-.8	T	1.7	42	8.7	79	79	35	0	0	1	0
ND BISMARCK	42	20	59	11	31	0	.4	.2	.4	.8	119	1.1	69	90	51	0	7	2	0
FARGO	41	31	55	23	36	6	.3	.1	.2	1.3	168	1.7	94	86	61	0	4	3	0
GRAND FORKS	41	27	51	9	34	6	.6	.4	.6	1.3	169	1.9	95	90	64	0	3	3	1
WILLISTON	42	19	55	1	30	0	1.0	.8	.7	1.1	196	1.4	88	87	46	0	7	3	1
OH AKRON-CANTON	58	38	67	24	48	7	2.2	1.4	1.5	3.8	116	6.9	86	84	46	0	2	5	1
CINCINNATI	63	45	78	32	54	8	4.4	3.5	2.5	6.8	178	10.7	111	85	55	0	1	3	2
CLEVELAND	55	37	69	21	46	5	2.3	1.6	1.7	4.1	142	8.5	112	83	50	0	2	5	1
COLUMBUS	61	41	74	25	51	7	1.5	.8	.8	3.4	110	6.4	79	80	46	0	2	4	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending March 30, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE MAR. 1	PCT. NORMAL SINCE MAR. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	61	42	76	28	51	7	2.4	1.6	1.3	4.6	154	8.4	109	77	46	0	2	5	2
TOLEDO	55	36	64	21	46	6	2.0	1.3	1.8	3.8	149	9.0	143	93	53	0	2	5	1
YOUNGSTOWN	57	36	68	17	46	7	2.4	1.6	1.4	4.7	148	6.7	83	93	51	0	2	4	2
OK OKLAHOMA CITY	70	48	81	35	59	6	1.5	1.1	1.0	6.6	331	11.3	263	87	44	0	0	3	1
TULSA	72	50	86	40	61	8	2.5	1.7	1.2	5.4	178	12.3	202	88	42	0	0	3	3
OR ASTORIA	48	38	51	34	43	-2	3.0	1.5	1.0	6.5	92	11.2	43	87	66	0	0	6	3
BURNS	34	20	42	12	27	-11	.2	.1	.2	.9	212	1.6	123	--	--	0	5	1	0
MEDFORD	50	34	60	30	42	-5	.8	.4	.4	1.2	67	3.0	41	96	54	0	2	4	0
PENDLETON	48	34	56	30	41	-5	.6	.4	.2	1.1	103	2.8	72	81	42	0	3	4	0
PORTLAND	51	39	57	35	45	-2	1.2	.5	.6	3.0	86	4.9	36	91	61	0	0	6	1
SALEM	49	35	53	32	42	-4	1.6	.7	.7	3.7	88	7.4	47	96	66	0	3	6	1
PA ALLENTOWN	61	41	76	29	51	8	.2	-.7	.2	1.1	30	4.3	43	74	33	0	3	2	0
ERIE	53	34	71	22	43	6	1.0	.3	.4	4.0	141	9.3	126	92	54	0	2	5	0
HARRISBURG	60	39	74	29	50	5	1.0	.2	.5	2.2	64	6.1	67	82	42	0	2	5	0
PHILADELPHIA	63	40	78	26	51	6	.3	-.6	.3	1.5	41	5.5	57	83	34	0	1	2	0
PITTSBURGH	60	39	72	22	49	7	1.4	.5	.6	3.1	88	5.9	68	91	47	0	2	5	1
SCRANTON	58	37	75	25	47	7	.3	-.3	.1	1.6	64	3.8	55	83	33	0	3	4	0
RI PROVIDENCE	58	36	76	29	47	6	T	-.9	T	2.9	69	5.7	48	66	22	0	3	1	0
SC CHARLESTON	77	53	87	40	65	6	.1	-.8	.1	1.5	36	5.0	45	75	36	0	0	1	0
COLUMBIA	78	49	90	31	63	5	T	-1.1	T	.5	10	10.9	81	86	31	1	1	0	0
FLORENCE	76	49	89	38	63	5	T	-.9	T	.6	16	7.6	69	89	30	0	0	0	0
GREENVILLE	70	47	82	34	59	4	.2	-1.1	.2	1.0	18	10.3	72	86	38	0	0	1	0
SD ABERDEEN	47	32	61	27	40	6	.1	-.2	.1	1.8	194	2.1	100	93	60	0	4	1	0
HURON	49	33	61	28	41	6	.1	-.3	.1	3.9	329	4.3	179	81	47	0	4	1	0
RAPID CITY	52	25	72	18	39	3	T	-.3	T	1.2	124	1.7	85	75	29	0	6	0	0
SIOUX FALLS	50	33	73	29	41	6	.3	-.2	.1	2.2	145	2.7	90	86	51	0	5	3	0
TN CHATTANOOGA	71	46	82	31	59	5	T	-1.4	T	1.8	30	10.2	64	88	41	0	2	1	0
KNOXVILLE	68	45	81	27	57	4	.1	-1.1	.1	1.6	29	8.9	63	90	49	0	1	2	0
MEMPHIS	74	54	79	39	64	8	2.5	1.2	1.8	5.0	94	12.8	90	92	50	0	0	3	2
NASHVILLE	71	51	81	33	61	8	.1	-1.2	.1	2.2	40	8.6	62	89	46	0	0	2	0
TX ABILENE	75	52	83	37	64	5	1.2	.9	1.0	2.9	278	4.9	163	84	37	0	0	2	1
AMARILLO	68	40	81	26	54	5	T	-.2	T	1.5	173	3.2	168	68	26	0	3	1	0
AUSTIN	78	61	81	47	69	6	.2	-.2	.1	1.9	116	5.3	93	94	58	0	0	3	0
BEAUMONT	79	61	80	50	70	6	.2	-.5	.1	3.9	137	14.2	133	98	69	0	0	2	0
BROWNSVILLE	85	69	89	60	77	6	0	-.1	0	.4	85	2.4	73	88	53	0	0	0	0
CORPUS CHRISTI	80	65	84	58	73	4	0	-.2	0	1.8	228	7.4	185	98	62	0	0	0	0
DEL RIO	80	60	86	47	70	3	T	-.2	T	.1	22	1.8	90	81	44	0	0	1	0
EL PASO	73	45	80	32	59	1	T	-.1	T	.6	190	1.7	155	51	15	0	1	1	0
FORT WORTH	78	57	85	41	68	8	1.2	.5	.9	3.7	159	7.2	122	88	56	0	0	3	1
GALVESTON	72	63	73	56	67	3	T	-.5	T	9.0	442	17.3	237	93	70	0	0	1	0
HOUSTON	78	59	80	45	69	5	.3	-.3	.2	4.5	177	12.0	133	96	57	0	0	4	0
LUBBOCK	73	43	80	30	58	4	.3	.1	.2	1.2	133	1.8	100	77	25	0	1	2	0
MIDLAND	77	50	85	37	64	6	T	-.1	T	.6	129	2.1	140	67	23	0	0	0	0
SAN ANGELO	79	53	86	38	66	5	T	-.2	T	1.7	223	2.8	127	88	33	0	0	1	0
SAN ANTONIO	79	60	83	46	69	5	.2	-.2	.1	2.8	224	7.4	157	93	55	0	0	2	0
VICTORIA	78	64	82	55	71	5	.1	-.2	.1	5.5	427	10.9	202	94	65	0	0	2	0
WACO	77	57	81	42	67	6	.4	-.1	.3	2.6	135	5.2	93	90	62	0	0	3	0
WICHITA FALLS	74	50	87	36	62	5	.5	0	.5	3.7	213	7.4	200	88	46	0	0	1	0
UT BLANDING	50	29	65	20	40	-2	.4	.3	.2	1.6	204	3.2	107	71	40	0	5	3	0
CEDAR CITY	51	28	66	13	40	-2	.9	.6	.4	2.4	234	3.4	136	82	35	0	5	3	0
SALT LAKE CITY	54	35	73	28	45	1	.5	.1	.2	1.7	105	3.5	81	79	32	0	2	5	0
VT BURLINGTON	48	29	65	20	39	4	.1	-.5	.1	2.2	104	4.9	86	76	35	0	5	1	0
VA NORFOLK	69	48	88	38	59	7	.8	-.1	.4	2.1	55	9.6	89	78	40	0	0	2	0
RICHMOND	71	44	91	27	57	6	1.1	.3	1.0	1.8	52	8.6	88	88	41	1	2	2	1
ROANOKE	74	47	84	34	61	11	.1	-.8	.1	1.6	46	7.7	80	73	31	0	0	1	0
WA COLVILLE	46	31	49	25	38	-2	.3	.1	.1	.8	69	3.2	65	91	70	0	3	3	0
QUILLAYUTE	46	33	52	30	40	-3	3.8	1.6	1.9	8.7	79	16.8	44	99	76	0	3	6	3
SEATTLE-TACOMA	49	36	53	34	42	-3	.8	.1	.3	2.4	70	5.6	41	92	60	0	0	6	0
SPOKANE	44	29	51	25	37	-4	.4	.1	.1	1.4	105	2.7	50	97	53	0	6	4	0
YAKIMA	52	27	62	21	39	-5	.3	.2	.3	.6	98	1.4	50	88	39	0	7	1	0
WV BECKLEY	63	42	80	24	53	8	.3	-.6	.2	1.8	45	6.1	58	91	43	0	2	5	0
CHARLESTON	68	46	77	28	57	8	.8	-.1	.6	3.8	98	9.1	87	82	42	0	1	3	1
HUNTINGTON	65	46	75	25	56	7	.8	-.2	.6	3.0	77	9.1	91	91	52	0	1	4	1
PARKERSBURG	64	44	74	27	54	8	1.5	.6	.9	4.2	109	7.7	73	87	44	0	1	3	2
WI GREEN BAY	46	31	59	22	38	4	.3	-.2	.2	2.1	113	5.5	134	87	55	0	5	3	0
LA CROSSE	51	34	68	27	43	6	.3	-.3	.1	1.4	74	3.6	97	88	53	0	2	5	0
MADISON	50	33	66	27	42	5	1.2	.6	.8	2.5	119	5.8	138	92	63	0	4	4	1
MILWAUKEE	49	34	67	29	42	5	1.3	.5	1.0	3.7	149	8.0	148	85	54	0	3	4	1
WAUSAU	48	29	60	22	39	6	.4	-.1	.2	2.4	129	3.6	97	89	46	0	4	4	0
WY CASPER	48	22	65	8	35	0	T	-.3	T	.5	55	1.9	95	84	22	0	7	0	0
CHEYENNE	49	24	69	9	37	2	.1	-.1	.1	.3	31	1.1	61	69	28	0	7	2	0
LANDER	50	27	65	17	39	4	T	-.3	T	.5	42	1.1	50	63	17	0	5	0	0
SHERIDAN	45	21	70	12	33	-2	.2	-.1	.2	.4	43	1.5	60	85	32	0	7	1	0
PR SAN JUAN	83	71	86	69	77	-1	1.0	.4	.8	1.8	79	7.0	96	82	54	0	0	5	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 3-30-1985
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	33	-30	-37	2545	-164	-401	-6	-14
AL MOBILE	MOB	2	-27	-28	1605	-44	-379	-3	-19
AL MONTGOMERY	MGM	13	-30	-25	1843	-347	-414	-16	-18
AK ANCHORAGE	ANC	264	-1	80	8109	-885	-76	-10	-1
AK BARROW	BRW	541	0	-47	15278	-632	-975	-4	-6
AK FAIRBANKS	FAI	363	15	85	11401	-1063	-389	-9	-3
AK JUNEAU	JNU	211	-12	52	6900	-454	161	-6	2
AK KODIAK	ADQ	215	3	37	6021	-841	5	-12	0
AK NOME	OME	479	89	135	10610	-798	-243	-7	-2
AZ FLAGSTAFF	FLG	203	4	15	5984	121	650	2	12
AZ PHOENIX	PHX	22	-12	22	1119	-267	350	-19	46
AZ PRESCOTT	PRC	145	3	27	4113	-35	646	-1	19
AZ TUCSON	TUS	38	-5	12	1618	-16	193	-1	14
AZ WINSLOW	INW	112	-10	-17	4041	-280	77	-6	2
AZ YUMA	YUM	15	1	15	894	-50	408	-5	84
AR FORT SMITH	FSM	30	-52	-63	3201	-86	-459	-3	-13
AR LITTLE ROCK	LRI	32	-39	-44	3005	3	-394	0	-12
CA BAKERSFIELD	BFL	79	29	29	2312	368	515	19	29
CA EUREKA	EKA	129	12	33	3229	-306	664	-9	26
CA FRESNO	FAT	88	22	56	2387	-6	579	0	32
CA LOS ANGELES	LAX	56	7	33	1324	66	472	5	55
CA RED BLUFF	RBL	101	29	56	2533	154	373	6	17
CA SACRAMENTO	SAC	111	37	78	2527	101	673	4	36
CA SAN DIEGO	SAN	39	-1	36	981	-59	493	-6	101
CA SAN FRANCISCO	SFO	100	16	43	2413	-66	733	-3	44
CA STOCKTON	SCK	124	55	84	2761	362	672	15	32
CO DENVER	DEN	141	-29	-59	5475	339	-118	7	-2
CO GRAND JUNCTION	GJT	152	13	7	4789	-306	-76	-6	-2
CO PUEBLO	PUB	147	-2	-25	5019	181	-115	4	-2
CT BRIDGEPORT	BDR	112	-50	-79	4435	-312	-396	-7	-8
CT HARTFORD	BDL	121	-47	-77	5182	-267	-347	-5	-6
DE WILMINGTON	ILG	84	-51	-91	4074	-380	-725	-9	-15
DC WASHINGTON	DCA	83	-24	-63	3614	-170	-220	-4	-6
FL APALACHICOLA	AQQ	13	-9	-12	1220	-155	-386	-11	-24
FL DAYTONA BEACH	DAB	6	-8	-7	734	-150	-322	-17	-30
FL FORT MEYER	FMY	0	-2	0	313	-127	-72	-29	-19
FL JACKSONVILLE	JAX	15	-8	-7	1266	-116	-213	-8	-14
FL KEY WEST	EYW	0	0	0	59	-57	-19	-49	-24
FL MIAMI	MIA	0	0	0	232	34	46	17	25
FL ORLANDO	MCO	0	-7	-7	659	2	-75	0	-10
FL TALLAHASSEE	TLH	14	-16	-13	1309	-291	-408	-18	-24
FL TAMPA	TPA	0	-10	-3	603	-135	-115	-18	-16
FL WEST PALM BEACH	PBI	0	0	-1	318	55	27	21	9
GA ATLANTA	ATL	39	-32	-32	2554	-284	-445	-10	-15
GA AUGUSTA	AGS	34	-20	-12	2100	-353	-345	-14	-14
GA MACON	MCN	28	-16	-13	2058	-146	-152	-7	-7
GA SAVANNAH	SAV	21	-17	-7	1647	-228	-168	-12	-9
HI HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**
HI LIHUE-KAUAI	LIH	0	0	0	1	1	1	**	**
ID BOISE	BOI	208	58	34	6202	1248	716	25	13
ID LEWISTON	LWS	173	32	31	5148	481	618	10	14
ID POCATELLO	PIH	228	41	39	7187	1178	630	20	10
IL CHICAGO	ORD	137	-34	-65	5952	268	-256	5	-4
IL MOLINE	MLI	115	-55	-58	5713	-127	-271	-2	-5
IL PEORIA	PIA	102	-57	-72	5369	-228	-370	-4	-6
IL QUINCY	UIN	95	-54	-67	5112	-131	-318	-2	-6
IL ROCKFORD	RFD	141	-43	-59	6121	-51	-345	-1	-5
IL SPRINGFIELD	SPI	93	-52	-80	5036	-83	-511	-2	-9
IN EVANSVILLE	EVV	56	-56	-71	4139	-202	-452	-5	-10
IN FORT WAYNE	FWA	99	-68	-99	5146	-438	-598	-8	-10
IN INDIANAPOLIS	IND	94	-50	-78	4815	-260	-550	-5	-10
IN SOUTH BEND	SBN	110	-62	-78	5313	-286	-526	-5	-9
IA DES MOINES	DSM	141	-32	-34	5841	-82	-309	-1	-5
IA DUBUQUE	DBQ	146	-48	-37	6236	-306	-453	-5	-7
IA SIOUX CITY	SUX	148	-33	-38	5954	-324	-524	-5	-8
IA WATERLOO	ALO	149	-49	-52	6430	-298	-493	-4	-7
KS CONCORDIA	CNK	125	-20	-41	5206	130	-262	3	-5
KS DODGE CITY	DDC	111	-22	-79	4563	-10	-326	0	-7
KS GOODLAND	GLD	143	-28	-54	5356	27	-364	1	-6
KS TOPEKA	TOP	94	-37	-62	4822	-37	-281	-1	-6
KS WICHITA	ICT	91	-26	-60	4392	-11	-512	0	-10
KY BOWLING GREEN	BWG	55	-49	-62	3875	-104	-418	-3	-10
KY LEXINGTON	LEX	72	-47	-70	4218	-143	-311	-3	-7
KY LOUISVILLE	SDF	68	-42	-59	3966	-179	-452	-4	-10
LA ALEXANDRIA	AEX	4	-32	-37	1705	-205	-430	-11	-20
LA BATON ROUGE	BTR	2	-24	-31	1568	-69	-384	-4	-20
LA LAKE CHARLES	LCH	2	-22	-17	1513	-34	-91	-2	-6
LA NEW ORLEANS	MSY	2	-22	-32	1402	-60	-368	-4	-21
LA SHREVEPORT	SHV	9	-34	-43	1984	-201	-647	-9	-25
ME CARIBOU	CAR	248	-4	-21	7915	-227	-27	-3	0
ME PORTLAND	PWM	170	-33	-48	6039	-283	-57	-4	-1
MD BALTIMORE	BWI	88	-37	-83	3913	-328	-531	-8	-12
MD SALISBURY	SBY	80	-41	-67	3753	-203	176	-5	5
MA BOSTON	BOS	129	-32	-73	4801	-39	-107	-1	-2
MA CHATHAM	CHH	147	-31	-63	4575	-311	-257	-6	-5
MI ALPENA	APN	203	-32	-21	6815	-266	-260	-4	-4
MI DETROIT	DTW	151	-28	-38	5580	-160	-489	-3	-8
MI FLINT	FNT	153	-45	-61	5704	-416	-652	-7	-10
MI GRAND RAPIDS	GRR	154	-37	-42	5822	-199	-372	-3	-6
MI HOUGHTON LAKE	HTL	196	-33	-16	6722	-359	-318	-5	-5
MI LANSING	LAN	157	-34	-51	6081	5	-424	0	-7
MI MARQUETTE	MQT	236	-25	-24	7894	-115	-170	-1	-2
MI MUSKEGON	MKG	162	-33	-33	5878	-67	-311	-1	-5
MI SAULT ST MARIE	SSM	224	-30	6	7704	-70	-121	-1	-2
MN ALEXANDRIA	AXN	207	-38	9	7878	-189	-103	-2	-1
MN DULUTH	DLH	231	-27	-12	8065	-365	-165	-4	-2
MN INT'L FALLS	INL	235	-34	7	9095	-75	123	-1	1
MN MINNEAPOLIS	MSP	173	-37	-30	7003	-125	-377	-2	-5
MN ROCHESTER	RST	176	-45	-40	7089	-213	-516	-3	-7
MN SAINT CLOUD	STC	202	-32	1	7622	-267	-266	-3	-3
MS GREENWOOD	GWO	14	-42	-44	2441	-158	-288	-6	-11
MS JACKSON	JAN	11	-36	-46	2182	-115	-426	-5	-16
MS MERIDIAN	MEI	17	-32	-46	1997	-374	-693	-16	-26
MO CAPE GIRARDEAU	CGI	52	-58	-62	4013	-84	-381	-2	-9
MO COLUMBIA	COU	80	-51	-71	4726	-14	-357	0	-7
MO KANSAS CITY	MCI	97	-36	-61	4985	158	-367	3	-7
MO SAINT LOUIS	STL	72	-49	-76	4355	-168	-408	-4	-9
MO SPRINGFIELD	SGF	64	-51	-63	4167	-78	-249	-2	-6
MT BILLINGS	BIL	214	17	37	6697	551	927	9	16
MT GLASGOW	GGW	229	-6	65	8012	218	843	3	12
MT GREAT FALLS	GTF	209	-6	19	7198	636	829	10	13
MT HAVRE	HVR	231	5	37	8028	532	876	7	12
MT HELENA	HLN	211	-2	21	7544	659	921	10	14
MT KALISPELL	FCA	225	15	36	7761	737	894	10	13
MT MILES CITY	MLS	213	7	45	7542	634	999	9	15
MT MISSOULA	MSO	203	7	21	6815	213	198	3	3
NE GRAND ISLAND	GRI	135	-37	-35	5687	-148	-356	-3	-6
NE LINCOLN	LNK	133	-33	-38	5630	-150	-368	-3	-6
NE NORFOLK	OFK	150	-36	-47	5914	-388	-547	-6	-8
NE NORTH PLATTE	LBF	152	-32	-39	6223	153	-115	3	-2
NE OMAHA	OMA	135	-24	-49	5614	-23	-642	0	-10
NE SCOTTSBLUFF	BFF	160	-24	-25	6029	230	185	4	3
NE VALENTINE	VTN	180	-21	-6	6391	-52	-191	-1	-3
NV ELY	ELY	232	26	8	6719	430	748	7	13
NV LAS VEGAS	LAS	58	0	12	2522	150	544	6	28
NV RENO	RNO	196	36	45	5087	90	738	2	17
NV WINNEMUCCA	WMC	218	45	30	6084	750	827	14	16
NH CONCORD	CON	153	-47	-57	6079	-367	-318	-6	-5
NJ ATLANTIC CITY	ACY	93	-50	-90	4083	-373	-515	-8	-11
NM ALBUQUERQUE	ABQ	98	-13	-29	4194	178	345	4	9
NM CLOVIS	CVS	82	-23	-57	3873	157	169	4	5
NM ROSWELL	ROW	41	-28	-42	3240	269	125	9	4
NY ALBANY	ALB	132	-55	-58	5544	-515	-596	-8	-10
NY BINGHAMTON	BGM	145	-59	-86	5750	-553	-352	-9	-6
NY BUFFALO	BUF	163	-31	-48	5666	-180	-338	-3	-6
NY NEW YORK	LGA	89	-53	-92	3954	-399	-520	-9	-12
NY ROCHESTER	ROC	151	-40	-67	5425	-383	-493	-7	-8
NY SYRACUSE	SYR	161	-30	-65	5713	-165	-597	-3	-9
NC ASHEVILLE	AVL	86	-21	-26	3753	-106	-220	-3	-6
NC CAPE HATTERAS	HAT	66	-12	-9	2215	-234	-319	-10	-13
NC CHARLOTTE	CLT	48	-30	-18	2954	-173	-280	-6	-9
NC GREENSBORO	GSO	53	-40	-46	3356	-218	-383	-6	-10
NC NEW BERN	EWN	47	-26	-4	2345	-346	-211	-13	-8
NC RALEIGH DURHAM	RDU	60	-24	-29	3114	-172	-305	-5	-9
NC WILMINGTON	ILM	33	-23	-16	1933	-425	-479	-18	-20
ND BISMARCK	BIS	237	2	39	8036	93	309	1	4
ND FARGO	FAR	201	-44	11	7972	-259	-82	-3	-1
ND GRAND FORKS	GFK	216	-41	14	8127	-514	-39	-6	0
ND WILLISTON	ISN	240	-1	56	8359	289	745	4	10
OH AKRON-CANTON	CAK	118	-50	-77	5327	-129	-163	-2	-3
OH CLEVELAND	CLE	131	-38	-81	5318	-65	-439	-1	-8
OH COLUMBUS	CMH	99	-46	-79	4948	-113	-401	-2	-7
OH CINCINNATI	CVG	80	-53	-81	4473	-253	-698	-5	-13
OH DAYTON	DAY	99	-49	-89	5112	31	-519	1	-9
OH TOLEDO	TOL	134	-42	-68	5623	-132	-560	-2	-9
OH YOUNGSTOWN	YNG	128	-49	-72	5475	-219	-315	-4	-5
OK OKLAHOMA CITY	OKC	51	-40	-79	3565	67	-265	2	-7
OK TULSA	TUL	45	-44	-58	3462	-50	-144	-1	-4
OR ASTORIA	AST	153	13	29	4392	334	538	8	14
OR BURNS	BNW	244	56	45	7127	1366	393	24	6
OR MEDFORD	MFR	160	32	46	4059	50	394	1	11
OR PENDLETON	PDT	166	30	30	5139	630	527	14	11
OR PORTLAND	PDX	139	13	36	3937	82	509	2	15
OR SALEM	SLE	158	24	31	4354	350	853	9	24
PA ALLENTOWN	ABE	98	-58	-87	4633	-512	-610	-10	-12
PA ERIE	ERI	150	-42	-64	5263	-473	-270	-8	-5
PA HARRISBURG	CXY	107	-34	-84	4295	-477	-923	-10	-18
PA PHILADELPHIA	PHL	93	-42	-85	4171	-268	-515	-6	-11
PA PITTSBURGH	PIT	108	-47	-76	4989	-263	-476	-5	-9
PA SCRANTON	AVP	123	-49	-76	5067	-493	-453	-9	-8
RI PROVIDENCE	PVD	125	-42	-60	4835	-268	-49	-5	-1
SC CHARLESTON	CHS	24	-22	-6	1916	-150	-2	-7	0
SC COLUMBIA	CAE	38	-19	-12	2412	-101	-285	-4	-11
SC FLORENCE	FLO	38	-18	-12	2439	-6	-85	0	-3
SC GREENVILLE	GSP	55	-21	-19	2845	-190	-454	-6	-14
SD ABERDEEN	ABR	177	-44	-4	7364	-212	27	-3	0
SD HURON	HON	168	-43	-7	6778	-404	-149	-6	-2
SD RAPID CITY	RAP	180	-22	-4	6298	31	122	0	2
SD SIOUX FALLS	FSD	164	-40	-40	6608	-395	-578	-6	-8
TN CHATTANOOGA	CHA	58	-23	-34	3192	-148	-377	-4	-11
TN KNOXVILLE	TYS	67	-16	-23	3516	112	-141	3	-4
TN MEMPHIS	MEM	30	-43	-44	2808	-239	-378	-8	-12
TN NASHVILLE	BNA	48	-38	-44	3465	-39	-264	-1	-7
TX ABILENE	ABI	24	-30	-33	2721	221	-27	9	-1
TX AMARILLO	AMA	75	-32	-71	3923	72	-361	2	-8
TX AUSTIN	AUS	4	-27	-19	1658	-58	-199	-3	-11
TX BROWNSVILLE	BRO	0	-4	-2	687	79	-177	13	-20
TX CORPUS CHRISTI	CRP	0	-10	-12	1055	93	-206	10	-16
TX DEL RIO	DRT	3	-17	-13	1621	128	-100	9	-6
TX EL PASO	ELP	47	-9	-7	2715	151	347	6	15
TX FORT WORTH	DFW	10	-37	-52	2370	147	-346	7	-13
TX GALVESTON	GLS	1	-21	-18	1310	78	-92	6	-7
TX HOUSTON	IAH	6	-17	-23	1472	-42	-316	-3	-18
TX LUBBOCK	LBB	51	-35	-48	3294	2	-76	0	-2
TX MIDLAND ODESSA	MAF	27	-27	-35	2825	282	71	11	3
TX BEAUMONT	BPT	0	-26	-25	1199	-254	-357	-17	-23
TX SAN ANGELO	SJT	21	-21	-34	2504	274	-65	12	-3
TX SAN ANTONIO	SAT	4	-23	-19	1599	24	-257	2	-14
TX VICTORIA	VCT	0	-19	-14	1230	-23	-228	-2	-16
TX WACO	ACT	10	-30	-44	2106	56	-293	3	-12
TX WICHITA FALLS	SPS	37	-26	-55	3036	167	-185	6	-6
UT BLANDING	ABL	175	10	-9	5239	-31	268	-1	5
UT CEDAR CITY	CDC	177	12	-7	5215	133	329	3	7
UT SALT LAKE CITY	SLC	141	-10	-6	5381	346	290	7	6
VT BURLINGTON	BTV	183	-33	-58	6385	-480	-279	-7	-4
VA LYNCHBURG	LYH	56	-52	-77	3467	-475	-555	-12	-14
VA NORFOLK	ORF	62	-29	-47	2980	-182	-276	-6	-8
VA RICHMOND	RIC	72	-26	-48	3396	-261	-521	-7	-13
VA ROANOKE	ROA	48	-58	-77	3551	-371	-465	-9	-12
WA COLVILLE	63S	185	10	26	6623	555	731	9	12
WA QUILLAYUTE	UIL	175	19	35	4888	270	464	6	10
WA SEATTLE-TACOMA	SEA	158	19	34	4384	253	578	6	15
WA SPOKANE	GEG	199	24	23	6503	700	910	12	16
WA WALLA WALLA	ALW	151	30	29	4874	695	636	17	15
WA YAKIMA	YKM	180	34	47	5862	682	858	13	17
WV BECKLEY	BKW	91	-50	-56	4546	-363	-552	-7	-11
WV CHARLESTON	CRW	64	-50	-63	3878	-366	-409	-9	-10
WV HUNTINGTON	HTS	71	-41	-52	4097	-130	-303	-3	-7
WV PARKERSBURG	PKB	78	-48	-63	4222	-236	-272	-5	-6
WI GREEN BAY	GRB	186	-32	-26	6730	-330	-362	-5	-5
WI LACROSSE	LSE	153	-47	-30	6694	-37	-288	-1	-4
WI MADISON	MSN	161	-40	-43	6481	-230	-409	-3	-6
WI MILWAUKEE	MKE	161	-39	-45	6040	-235	-204	-4	-3
WI WAUSAU	AUW	184	-44	-19	7082	-390	-281	-5	-4
WY CASPER	CPR	206	-5	-1	7017	609	408	10	6
WY CHEYENNE	CYS	197	-15	-40	6638	588	186	10	3
WY LANDER	LND	182	-28	-33	6842	156	-486	2	-7
WY SHERIDAN	SHR	220	10	44	7503	885	1152	13	18

National Agricultural Summary

March 25 to 31

HIGHLIGHTS: Precipation from the Plains through the Corn Belt and into the Delta delayed seeding and land preparation. However, the additional moisture, along with warm temperatures, promoted wheat growth and disease. Soil moisture was mostly adequate throughout most of the Nation, but was short in Florida and South Carolina. Growers in the South had 4 days available for fieldwork, the extreme Southeastern States had nearly the entire week, and the other States had less than 3 days. Despite the rain, corn planting progressed rapidly in the South ahead of last year and the average pace in all States except Alabama and Texas. Seeding was 41-percent complete in Texas, compared with 54 percent last year, the 42-percent average. Alabama farmers seeded 35 percent of the corn, 7 percentage points behind last year. Missouri farmers planted a few fields of corn. Sorghum planting in Texas, 34-percent seeded, lagged far behind the 44-percent seeded in 1984 and the 51-percent average. Sorghum planting was just underway in Louisiana. Rice seeding was 16-percent finished in Louisiana, and 4-percent seeded in Texas. Cotton planting progressed rapidly in Arizona and began in California. Wetness held cotton planting behind schedule in Texas. Winter wheat continued in mostly good condition, but disease became more noticeable in Nebraska, Kansas, Oklahoma, and Texas. Tobacco plantbed seeding was active from Virginia to Kentucky. Vegetable planting and harvesting continued active in the West and South. Florida's vegetable shipments increased 8 percent from last week. Livestock was mostly good; weather has been ideal for calving and lambing.

SMALL GRAINS: Additional moisture and warm temperatures promoted Winter wheat growth, but also initiated diseases. Growers applied some fertilizers in most areas as weather permitted. Heavy rain in the Corn Belt flooded several wheat fields.

Kansas wheat continued its rapid growth, but it experienced light to moderate wind damage in southwestern Kansas. Spindle-streak and soil-borne Mosaic disease showed in Southeastern and central Kansas. Oats and barley seeding progressed rapidly and neared completion in drier areas of Kansas. Oat planting was 80-percent complete and barley was 85-percent seeded.

Nebraska's wheat was mostly good. Weeds and diseases concerned farmers, but damage and winterkill was light. Winter wheat in North Dakota was still mostly dormant and generally fair, with winterkill about normal.

Texas wheat progressed well despite rust, mildew and some lodging. Wetness stalled producers' efforts to treat disease. Rust is becoming a problem in the Blacklands. Warm temperatures progressed wheat growth in Oklahoma, but cold wet weather later in the week curtailed development. Soil-borne Mosaic disease infected many fields across the State.

Wheat continued to prosper in most other Southern States; growth and development continued slighty ahead of normal. Arizonia wheat was good, progressing to 92-percent jointed and 52-percent headed. Moisture improved wheat, oats and barley in Calfiornia, where wheat and barley began heading.

OTHER CROPS: Corn planting progressed rapidly in the South; ahead of last year and the average in all States except Alabama and Texas. Seeding was 41-percent complete in Texas, compared with 54 percent last year and the 42-percent average. Alabama's seeding lagged 7 percentage points behind last year. More than half the corn was seeded in Georgia, South Carolina, and Louisiana at 73, 55, and 57 percent completion, respectively. Corn was fair to good in Louisiana and South Carolina, and was 38-percent planted and 16-percent emerged in Mississippi.

Sorghum planting was virtually completed in south Texas and the Rio Grande Valley, and most fields are up to good stands. Standing water may cause replanting of sorghum in these areas. Wetness delayed planting in central Texas, the Blacklands and High Plains. Planting is critically behind in these areas. Sorghum planting had just begun in Louisiana.

Cotton planting progressed rapidly in Arizona. Seedbed preparation was 85 percent complete and planting 30% complete. Fields seeded early were up to good stand and plant condition good. California growers began planting cotton in the San Joaquin Valley. Cotton at 6 percent seeded in Texas was slightly behind the average pace of 8 percent seeded. Planting was nearly complete in the South Texas Valley. Plants made good growth. In the Trans-Pecos area, growers pre-watered and applied herbicides. Georgia growers began seeding cotton. Rice planting had not started in Arkansas and California. Texas rice seeding had reached 4 percent while Louisiana had seeded 16 percent of the rice. Over the last five years about 27 percent of Texas rice was seeded and in Lousiana about 20 percent was seeded by this time. In Louisiana about 4 percent of the rice had emerged; condition fair to good.

Tobacco transplanted advanced to 46 percent complete in Georgia and 2 percent complete in South Carolina. Tobacco seedbeds preparation and seeding was active from Virginia to Kentucky.

FRUIT AND NUTS: Florida citrus groves were dry and badly need rain. Caretakers resumed irrigating. The bloom cycle was almost complete. Valencia harvest was slowed while processors await higher maturity ratios. Grapefruit harvest was active.

California cherries actively bloomed. Apples and prunes progressed beyond full blooms. Grapes began leafing. Navel orange harvest neared completion and Valencia harvest started. Arizona's citrus groves were in good condition. Valencia oranges, grapefruit and lemons were packed. Tangerine harvest was complete.

Texas peach trees were in good condition. Petal fall was complete in many areas. Fruit set is expected to be good. Georgia peach trees continued blooming at 92% bloomed. Condition was fair to poor. South Carolina peaches were poor to fair. Peach crop remained very poor in Virginia.

VEGETABLES: Florida vegetable harvest continued, gaining momentum as shipments increased 8 percent from last week: Snap bean, cauliflower, Chinese cabbage, sweet corn, cucumbers, eggplant, peppers, squash, and tomoatoes registered the largest increase.

Light supplies of cabbage, carrots, and broccoli were shipped from the Rio Grande Valley. The onion harvest progressed well. San Antonio-Winter Garden spinach harvest was about complete. Watermelons and other summer vegetables grew well. High Plains onion and potato planting actively continued.

Harvest of mixed vegetables progressed in Arizonia's Salt River Valley. Lettuce harvest peaked in Yuma County and is expected to taper-off in the coming week. California lettuce harvest was active in the Palo Verde Valley, but light in the

(Continued to back cover)

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.07 in. to 1.34 in. Temperature 5 to 8° above normal.

Fieldwork: 5.0 days. Soil moisture adequate. Plowing 62% completed. Corn planted 35%, 42% 1984. Wheat heading 4%. Activities: Care of livestock and poultry; spraying and pruning fruit trees; planting of corn and vegetables; applying nitrogen to wheat; machinery repair; fertilizer and lime application. Fieldwork on schedule. Conditions: Livestock and pastures fair; wheat fair to good pasture; feed mostly short; stored feed short.

ARIZONA: Sunny, unseasonably warm beginning week. Series of disturbances from Pacific began moving in late on 25th. Storms brought cloudy skies, much cooler temperatures. Showers spread over State on 28th. Snow fell as low as 5,000 ft. in northern portions along Grand Canyon, Mogollon Rim, White mountains. Sunny skies, cool temperatures prevailed by week's end. Grand Canyon had most precipitation with 1.32 in.; Harley Lake had 1.10 in. Temperatures remained close to seasonal normals.

Ranges, pastures above average except in northwest. Cattle, sheep fair to good northern areas, good to excellent other areas. Cool temperatures inhibited growth of range feed at higher elevations. Stock water supplies adequate or above. No insect damage reported. Cotton seedbed preparation 85%, planting 30% complete. Early planted fields up to stand; plants good condition. Wheat, barley good condition; 92% jointing, 50% headed out. Alfalfa harvest light. Some growers made first cutting. Rain on some cut hay, very little damage expected. Stands good condition. Lettuce packing Yuma largest volumes of season, expected to taper off by April 6th. Volumes packed Salt River Valley increased as more shippers entered market. Cutting heavy in Parker area, expected to slow down by April 6th. Romaine, Leaf, Boston lettuce moving in seasonal volumes. Cauliflower packing active in Yuma; some asparagus harvested. Harvesting of mixed vegetables continued in Salt River Valley. Valencia packing continued at prorate levels. Grapefruit, lemon packing light by demand only. Tangerine harvest complete. Citrus groves good condition.

ARKANSAS: Seasonable temperatures. Precipitation statewide, heavy rainfall toward end of week through northern portion of State. Precipitation from 1.07 in. to 5.07 in. Lowest temperature 27°, highest 88°.

Soil moisture adequate. Land preparation slowed by rainfall, still ahead of normal. Major activity equipment preparation. Wheat good condition.

CALIFORNIA: Return to some winter-type weather for most of State. Cool, unsettled wheather pattern dominated period, produced below normal temperature and precipitation at most locations. Few locations along south coast only stations to register above normal temperature averages. Southeast interior produced only dry location for week.

Rains slowed fieldwork. Moisture improved wheat, oats, barley. Fields of wheat, barley heading. Green chopping small grains. Planting cotton San Joaquin Valley. Planting corn, sunflower, safflower. First cutting of alfalfa San Joaquin Valley. Preparing fields for rice, dry bean plantings. Apples past full bloom. Some cold damage to apricots. Cherries blooming. Grape vineyards leafing, some freeze damage. Navel harvest near completion. Valencia harvest starting. Prunes past full bloom. Normal to light almond bloom. Walnuts pushing Catkins. Artichokes fairly heavy supply. Asparagus harvest slowing desert, still very light Delta. Broccoli, cauliflower fairly light supply. Celery planting active central coast. Lettuce harvest active Palo Verde Valley, very light San Joaquin Valley. Potato sheds operating full-time Tulelake-Butte Valley. Light digging potatoes Kern, Riverside. Strawberry harvest active south coast, Santa Maria shipments to date well below last year. Planting market tomatoes San Joaquin Valley. Processing tomato planting halted by rain. Range, pasture generally good condition. Few areas rated poor. Recent rains and warmer weather should help. Calving continued northern areas. Bee movement to orchard continued.

COLORADO: Mountains received 1.00 to 3.00 in. of moisture, 0.50 to 1.00 in. common at lower elevations in southern half, 0.25 to 0.50 in. elsewhere. Temperatures 3 to 6° above normal Arkansas Valley, 1 to 3° above normal other areas.

Winter wheat mostly good condition. High winds 26th to 27th caused damage to winter wheat, winter barley on unprotected slopes and areas with poor stands. Barley 32% seeded; 18% in 1984; 21% avg. Oats 22% seeded and spring wheat 6% seeded. Major producing area for spring wheat, oats not yet started. Livestock good condition. Calving 52% completed; lambing 46% completed.

FLORIDA: Mostly warm, dry; except for rainfall of mainly 0.33 in. or less Panhandle on the 31st as cool front pushed into northwest. Only isolated light precipitation elsewhere. Temperatures averaged near normal statewide.

Soil moisture generally short. Corn planting continued in areas delayed by dry weather. Early corn up to good stands. Tobacco transplanting increasing. Land preparation for soybeans, peanuts active. Small grains fair to mostly poor condition; reduction in yields expected. Sugarcane harvest complete. Young cane making good progress. Very light, widely scattered showers beneficial to pastures, most areas remain far below normal moisture levels. Pastures fair to good Panhandle; poor to fair north, central Peninsula; generally fair south. Cattle condition varies from fair to good statewide. Groves dry, rain needed. Caretakers irrigating. Bloom cycle almost complete. Valencia harvest slow, processors waiting for higher maturity ratios. Grapefruit harvest active. Dry weather prevailed in vegetable areas. Irrigation very active. Daytime high temperatures in 70's to 80's. Nighttime lows 50's to 60's. Winds light to moderate. Over-all vegetable shipments increased 8% from previous week. Crops registering increase: Snap beans, cauliflower, Chinese cabbage, sweet corn, cucumbers, eggplant, peppers, squash, tomatoes, potatoes. Crops remaining steady:

Carrots, celery, escarole, lettuce. Radish, strawberry shipments declined. Most spring crops expected to gain sharply next several weeks. Watermelons making good progress. Very light cutting expected next week.

GEORGIA: Temperatures averaged 3 to 7° above normal. Lows mainly 30's maximums 80's nearly statewide. Rain only one or two days, totals under 0.50 in.

Soil moisture 6% very short, 61% short, 32% adequate. Days suitable for fieldwork: 5.6. Main activities: Land preparation; planting corn, watermelons, setting tobacco, orchard spraying. Corn 73% planted, 51% last year, 50% avg.; 3% poor, 25% fair, 62% good, 10% excellent. Tobacco transplanting 46%, 21% last year, 40% avg.; 41% fair, 59% good. Watermelons 78% planted, 55% last year, 50% avg.; 4% poor, 25% fair, 71% good. Cotton 1% planted, less than 1% last year, 1% avg. Wheat 80% jointed, 69% last year; 35% reached boot, 27% last year; 10% headed, 6% last year; 30% fair, 63% good, 5% excellent. Rye 4% poor, 36% fair, 56% good, 4% excellent. Other small grains 9% poor, 37% fair, 51% good. Peaches 92% bloomed, 97% last year; 14% very poor, 16% poor, 29% fair, 39% good, 2% excellent. Apples 4% bloomed, 45% last year; 3% poor, 35% fair, 62% good. Pastures 5% poor, 31% fair, 59% good, 5% excellent. Cattle 26% fair, 70% good. Hogs 18% fair, 77% good, 5% excellent.

HAWAII: Week saw some improvement in weather with winds subsiding to 10 to 20 mph. Rainfall also lighter in most areas, but cloudy conditions slowed crop development. Spraying for disease control increased due to recent wet weather. Supplies of many vine, bush vegetables will continue light as almost constant windy conditions rendered majority fields in poor to fair condition. Harvesting of Chinese cabbage very active with some of production destined for Mainland markets. Head cabbage supplies steady and relatively heavy. Head lettuce production also expected to remain steady through next week. Cool temperatures slowing growth of Head cabbage and lettuce. Banana production low as many farmers just now feeling effects of a January windstorm on production. Papaya production will remain below year ago levels.

IDAHO: Winter returned during week. Pacific storm system brought above normal precipitation, very cool temperatures. Temperature 6 to 13° below normal statewide. Coolest readings few subzero temperatures. Precipitation well above normal Panhandle, southwest. Rest of State amounts up to 0.50 in. above normal. Amounts up to 0.50 in. below normal Lewiston area. Heavy snow cover in east, far north.

Little activity except daily seasonal maintenance. Livestock good. Fruit trees dormant or in stage 1 - stage 2 development. Fieldwork limited to southwestern, northern valleys. Seed potato shipments, cutting common. Calving 50% complete. Lambing 64% complete. Wheat condition fair. Hay supplies fair to good.

ILLINOIS: Mean temperature 7 to 15° above normal. Precipitation heaviest south; southern third 2.00 to 4.00 in. above normal, central 0.10 to 0.9 in. above normal; north 0.10 to 0.70 below normal.

INDIANA: Temperatures averaged 5 to 10° above normal. Lows averaged upper 30's north to 50's south. Highs 70's north to 80's south. Precipitation above normal. Totals over 2.00 in. most of State. Some areas over 4.00 in.

Spring fieldwork well underway including tilling, finishing harvest of corn and soybeans, spreading fertilizer, hauling manure, sowing oats and legumes, putting in tobacco plant beds, caring for livestock and usual chores.

IOWA: Spring-like weather first half week. Temperatures 82° at Burlington on 28th. Strong winter storm on week end.

Days suitable for fieldwork: 2.4. Oat acreage 29% sown; none last year; 12% avg. Condition of winter wheat 12% excellent, 59% good, 23% fair, 6% poor to very poor. Topsoil moisture conditions 1% short, 93% adequate, 6% surplus. Subsoil moisture conditions 4% short, 93% adequate, 3% surplus. Livestock good to excellent condition.

KANSAS: Precipitation 0.20 to 0.30 in. west, north; 1.20 in. southeast. Temperatures averaged 41° northwest to 49° southeast; ranging 1° above normal southwest, south central to 5 to 8° above normal east.

Wheat continued rapid growth. Light to moderate wind damage southwest early in week. Spindle-streak, soil-borne Mosaic showing up central, eastern areas. Topdressing fertilizer, weed control major activities along with tillage to control wind erosion. Oats, barley seeding rapid progress; nearing completion drier areas of State. Wet fields kept seeding behind schedule southeast, east central areas. Seeding 80%, 85% complete oats, barley, respectively. Calving, aided by near ideal weather, excellent progress. Cows, calf crop doing quite well. Feeding tapering off; spring pastures show new growth and furnish adequate grazing.

KENTUCKY: Mild spring-like weather. Mean temperatures averaged from 55 to 60°, 5 to 10° above seasonable normal. Big storm over weekend brought some heavy rainfall north central, northeast. Weekly totals averaged from 3.00 to 4.00 in. over northeast, to 0.50 in. or less over southern two-thirds.

Days favorable fieldwork averaged 3.0. Primary activities preparing and seeding tobacco beds, fertilizing wheat, plowing for corn and soybeans. Soil moisute 2% short, 75% adequate, 23% surplus. Wheat generally good condition. Most wheat for grain fertilized; green, making good growth. Winterkill light on wheat, barley; moderate on alfalfa, red clover. Approximately 30% of roughage requirements of cattle being obtained from pasture feed. However, 80% livestock still on winter feed.

LOUISIANA: Rainfall amounts 0.03 to 2.58 in. Average temperatures 6 to 8° above normal. Low 40°; high 85°.

Soil moisture adequate to surplus, except southeast surplus. Days suitable for fieldwork 2.7. Activities included spring plowing, pasture fertilization; planting corn, rice, gardens, spring vegetables. Spring plowing 50% 1985, 38% 1984, 49% avg. Corn planted 57% 1985, 52% 1984, 45% avg. Corn emreged 42% 1985, 34% 1984, 25% avg.; fair to good condition. Sorghum planted 1% 1985, 2% 1984, 2% avg. Rice planted 16% 1985, 18% 1984, 20% avg. Rice emerged 4% 1985, 10% 1984, 10% avg; fair to good condition. Winter wheat headed 15% 1985, 24% 1984, 16% avg; condition fair to good. Pasture, livestock, vegetables fair to good. Stawberry harvest under way; quality good. Bedding sweet potatoes almost complete. Sugarcane fair condition.

MARYLAND & DELAWARE: Maryland: Weather warm, wet. Temperatures averaged mostly 3 to 5°

above normal. High temperatures were mostly in the low to mid 80's, while lows in mid to upper 20's. Precipitation for State averaged 1.30 in. ranging from 0.74 to 2.04 in.

Tobacco farmers in second week of auction sales. Between rains some plowing done as well as liming for some fields.

Delaware: Weather warm, wet. Temperatures averaged 2° above normal south, 7° above north. High temperatures in high 70's, lows near 30°. Precipitation averaged 1.03 in. ranging from 0.65 in. north to 1.49 in. South.

Farmers plowed, began planting peas.

MICHIGAN: First week of spring mild with temperatures averaging 5° above normal. Precipitation heavy over lower two-thirds of lower Peninsula, moderate across rest of State. Flooding along many rivers, streams in southern portion of lower Peninsula.

Good drying conditions first part of week allowed fertilizer application, sowing of oats. Fruit growers busy pruning trees, tying grape vines. Dormant spray applied to peach trees. Some 1984 corn harvested. Good demand for hay, straw. Heavy rains later part of week stopped most fieldwork. Cows, calves beginning to show up in pastures. Many lambs being born. Feed supplies adequate.

MINNESOTA: Another week of mild temperatures, heavy snow at week's end for southeastern portion of State. Temperatures averaged 3 to 5° above normal. Low: 12°; high: 71°. Precipitation averaged 0.17 to 0.83 in. above normal for south central, southeast, east central; near normal to 0.30 in. below normal elsewhere.

MISSISSIPPI: Unseasonably warm weather, temperature averaging 7 to 12° above normal. Extremes: 32°; 86°. Greatest 24-hour rainfall 1.71 in.

Soil moisture adequate. Fieldwork: 2.9 days suitable, 2.3 1984 and avg. Wheat conditions fair to good; 73% jointing, 55% 1984, 50% avg.; 5% heading, 1% 1984, 2% avg. Corn 38% planted, 16% 1984, 23% avg.; 16% emerged, 7% 1984 and avg. Peanuts 1% planted. Cotton, sweetpotatoes less than 1% planted. Watermelons 22% planted, 10% 1984, 24% avg. Hay, feed grain supplies adequate. Pasture, livestock in fair to good condition.

MISSOURI: Temperatures averaged 6° above normal. Rainfall from 3.00 to 5.00 in. southwest, south central, east central; 0.50 in. in southeast, less than 0.50 in. in north.

Topsoil moisture supply 28% surplus, 69% adequate, 3% short. Wheat condition rated 1% excellent, 25% good, 61% fair, 13% poor. Supply hay, roughage at 23% surplus, 65% adequate, 12% short. Cattle losses 15% moderate, 85% normal. Hog losses 11% moderate, 89% normal for March. General condition of livestock rated at 1% excellent, 50% good, 49% fair. Oats seeding in full swing. Corn planting getting started.

MONTANA: Much needed moisture over nearly all State first of week. Amounts ranged from 0.10 in. to 0.75 in. in parts of north central, northeast, southwest. Temperatures averaged near normal. Lowest 15 below zero; highest readings in 60's.

Topsoil moisture supplies short to adequate. Subsoil moisture mostly short. Winter wheat condition mostly fair. Crop starting to green-up. One day suitable for fieldwork.

Hay, roughage feed supplies mostly short. Galving 65% complete. Lambing 60% complete.

NEBRASKA: Temperatures averaged from 2 to 4° above normal. Precipitation through 29th ranged from 0.50 in. to 1.00 in. statewide. Except in north central, Panhandle only traces recorded. Weekend snow storm passed through State. Dumping 4.00 to 12.00 in. of snow primarily in east.

Winter wheat conditions rated 36% fair, 63% good and 1% excellent. Slight winterkill, weeds and disease reported as concerns, but no extensive damage reported. Conditions close to ideal for calving. Livestock in good condition. Feed grains, forage supplies adequated or above. Hay supplies in surplus over most of State.

NEVADA: Series of storms moved across northern half early in period dropping heavy amounts snow most areas. Storm track shifted south later in week producing light rainfall extreme south. Generally cloudy weather associated with storms; temperatures averaged below normal for week. Extremes: 8° below zero; and 82°.

Fieldwork brought to standstill by snow north, scattered showers south. Gusty winds all areas. Cold, wet weather hard on newborn calves, lambs.

NEW ENGLAND: Temperatures 4 to 10° above normal. Mean temperature ranged from 32° northern Maine; between 40 to 43° across coastal Maine, central and southern New Hampshire, western and southern Vermont; between 45 to 49° across southern areas. Heaviest rainfall averaged 0.20 to 0.30 in. across interior Maine, northern New Hampshire and Vermont. Elsewhere, rainfall averaged only between a trace to 0.15 in.

Maple producers collecting sap, making syrup. Some spring plowing in southern areas.

NEW JERSEY: Temperatures much above normal, averaging 47° north, 52° south, 53° coastal. Extremes: 20°; 82°. Precipitation near normal, averaging 0.66 in. north, 0.65 in. south, 0.44 in. coastal. Heaviest 24-hour total 0.83 in. on 31st to 1st.

Warm temperatures allowed grasses to begin greening. Fieldwork continued at a good pace.

NEW MEXICO: Average temperatures near normal central, west; 5° above normal eastern Plains. Minimum temperature 2° northern mountains; maximum temperature 85° southeastern Plains. Pacific storm crossed State late in week, most precipitation over northern mountains. Precipitation from none to 0.64 in.

Soil moisture adequate to surplus, mostly adequate. Alfalfa hay good to excellent. Barley good to excellent - grazing continued at 30%. Irrigated wheat good to excellent, dryland mostly good - grazing continued at 40%. Chile good - planting continued. Onion, lettuce good, spraying for insects. Cattle fair to good - calving continued. Sheep good to excellent - shearing, lambing continued. Range fair to good mostly good statewide.

NEW YORK : Average temperatures near normal to about 10° above normal. Temperatures averaged in mid 30's to 40's, except in New York City, Long Island region averaged around 50°. Precipitation below normal in eastern, central sections of State, near normal in extreme north and Finger Lakes region, normal over Niagara frontier. Buffalo 1.25 in., southeast part of State less than 0.10 in., other areas ranged from 0.25 in. to 0.75 in.

Farm activities included tending livestock, planning for spring planting, preparing taxes, routine farm chores.

NORTH CAROLINA: Temperatures averaged 3 to 10° above normal across State. Precipitation ranged from none to 1.10 in.

Soil moisture: 18% short, 80% adequate, 2% surplus. Days suitable for fieldwork 5.0 Condition: Pasture 3% poor, 37% fair, 60% good. Wheat 20% fair, 75% good, 5% excellent. Oats 33% fair, 65% good, 2% excellent. Barley 24% fair, 76% good. Rye 24% fair, 76% good. Tobacco beds 4% poor, 37% fair, 57% good, 2% excellent. Farm feed supplies: Hay, roughage 2% short, 95% adequate, 3% surplus. Feed grains 2% short, 97% adequate, 1% surplus. Major farm activities: Plowing, disking, liming, fertilizing, corn planting, tobacco plant bed maintenance, topdressing small grains, tending livestock, planting potatoes and gardens.

NORTH DAKOTA: Average temperatures near normal for week; ranging from 2° below normal west central to 5° above normal southeast. Low 7°; high 70°. Precipitation above average for all but southeast district. Late in week small but intense storm spread snow across State. Snowfall amounts reached up to 12 in. in north central portion of State. Precipitation amounts ranged from 1 in. above normal northwest to 0.12 in. below normal southeast. Late March blizzard brought much needed moisture to western, northern counties; may delay spring seeding.

Topsoil moisture supplies rated adequated for 75% of State, short or very short for 25%. Driest area continued to be western part of State. Subsoil moisture supplies rated adequate or better for just 53% of State. Winter wheat still mostly dormant; generally in fair condition statewide. Winterkill rated normal for 73% of State, 63% last year; above normal in 21%, 31% last year. Livestock mostly good condition; except northwest, where tight feed supplies caused greater stress. Calving at 46% complete; lambing 60% complete, shearing 54% complete. Few weather-related deaths reported among calves. Forty-four percent of State's ranges and pastures were in poor condition, a carryover from last year's drought.

OHIO: Temperatures fluctuated greatly from lows in teens to highs near 80°. Average temperature 5 to 9° above normal. Four in. bare soil temperatures averaged mid 40's to 50's. Precipitation ranged from 1.00 in. to 4.00 in.

Early week activities included spreading fertilizer, plowing, seeding oats. Heavy rains at week's end stopped fieldwork. Winter wheat greening nicely; several fields under water after rains. High winds, tornadoes destroyed few green houses in north.

OKLAHOMA: Temperature averaged 2° above normal west central to 9° above normal southeast. Precipitation averaged 0.17 in. Panhandle to 4.22 in. east central.

Warm, sunny weather early week helped wheat make favorable growth, development. Cool, wet weather during weekend curtailed significant crop progress. Soil-borne Mosaic infected many fields across State. Insect activity intensifying south. Better drying conditions west allowed corn, sorghum seedbed preparation. Livestock marketings; prices mostly average. Wheat good, livestock good to fair, pasture fair condition. Wheat jointing: 35%, 25% 1984, 35% avg.

OREGON: Heavy spring rain left 3.70 in. and 3.20 in. precipitation along coast and Willamette Valley, respectively. Southwestern valleys had 0.90 in. of precipitation; remainder of State receiving less than 0.50 in. Temperatures 4° cooler than normal west of Cascades, 8° cooler than normal eastside.

Soil moisture mostly surplus in west; short to adequate in east. Irrigation water supplies outstanding. Winter grains in mostly good condition statewide; Willamette Valley first fertilizing mostly complete, little weed problem. Spring fieldwork on schedule. Fruit trees blooming delayed by cold; blooms beginning to show in protected areas. Most spraying complete. Most vegetable fields worked; early fresh market crops seeded. Onion, sugarbeet planting started Malheur County. Livestock good condition. Range, pasture growth slow due to cold.

PENNSYLVANIA: Warm, wet week. Average temperature 47°, 4° above normal of 43°. Precipitation heavy in some areas with State average being 1.31 in., normal 0.81 in.

Farming activities: Caring for livestock, routine winter chores. Very little fieldwork due to wet field conditions.

PUERTO RICO: Island average rainfall 0.79 to 1.44 in. above normal. Highest weekly total 3.27 in. Highest 24-hour total 2.86 in. Temperature averaged about 75° on coasts, 72 to 73° interior division. Mean station temperature ranged from 78° to 88°. Extremes: 49°; 92°. Total rainfall 0.84 in., 0.35 in. above normal.

SOUTH CAROLINA: Warmer weather than usual. High pressure along coast, pushed temperatures 15 to 20° above normal. Cold front across State over weekend dropped temperatures. Little rainfall across State.

Soil moisture short. Days available for fieldwork averaged 5.9. Tobacco, wheat conditions fair to good. Corn planted 55%, 19% 1984, 32% avg. Tobacco transplant 2%, slightly behind last year's 4%. Peach condition poor to fair statewide. Tomato condition fair to good; 67% planted, 63% last year, 73% avg. Watermelon condition fair to good; 52% planted, 33% last year, 37% avg. Oats condition fair to good. Small grain, pasture conditions fair to good; some minor nutrient deficiencies reported.

SOUTH DAKOTA: Average temperatures ranged from 7° above normal to 4° below normal. Extreme: 5°; 82°. Precipitation light, well below normal.

Livestock good condition. Lambing, calving continued. Major agricultural activities included early planting, caring for livestock.

TENNESSEE: Generally unstable conditions. Temperatures 5 to 10° above normal statewide. Precipitation midweek through weekend ranged 0.50 in. west, middle to greater than 1.00 elsewhere.

TEXAS: Upper level disturbance moved over State early week, triggering strong thunderstorms, heavy rains northern portions. Strong surface low pressure system gusty winds as eastward moving cold front extended Red River Valley through south Plains on 29th. Light rain, showers developed along front western areas before intensifying into very heavy thunderstorms across north, eastern areas. Temperatures below normal. Rainfall above normal.

Crops: Grain sorghum planting virtually completed south, Rio Grande Valley; only small areas left because wet ground. Fields good stands. Some fields may be replanted; standing water. Delays planting continued Central, Blacklands; some progress past week. Planting critically behind these areas; producer concern growing. Planting Plains begin soon, conditions permitting. Corn up to good stands; showed good growth south, Rio Grande Valley. Planting delays continued Blacklands. Most planting complete east. Plains, most land preparation completed, planting begun small scale some areas. Cotton land preparation continued Plains. Pre-watering, herbicide application continued Trans-Pecos. Planting good progress south valley; operations nearly complete these areas. Good growth reported small grains good progress statewide, despite rust problems. Wheat High Plains jointing, some minor rust infestations reported. Rust becoming bigger problem Blacklands. Producers unable to treat fields because weather conditions. Many fields water-logged; some lodging. Central, south good growth despite rust, mildew. Statewide, wheat conditions 89% of normal, compared with 68% last year. Current reported conditions 1% poor, 16% fair, 62% good; 21% excellent. Corn planted 41% 1985; 54% 1984; 42% avg. Cotton planted 6% 1985; 6% 1984; 8% avg. Rice planted 4% 1985; 31% 1984; 27% avg. Sorghum planted all purposes 34% 1985; 44% 1984; 51% avg. Wheat headed 2% 1985; none 1984; none avg.

Commercial Vegetables: Rio Grande Valley, light supplies cabbage, carrots, broccoli available; harvest winding down. Onions, melons, peppers good growth. Harvest onions good progress. San Antonio-Winter Garden, spinach harvest about completed. Watermelons, other summer vegetables good growth. Cucumbers emerged Coastal Bend. East, wet soil conditions hampered land preparation; some bedding sweetpotatoes. General growing conditions good last week. High Plains onion, potato planting continued. Some land prepared for additional transplants. Trans-Pecos chili planting got underway. Onions good growth. Some watering melons necessary to help emergence. Peach trees good condition most State. Petal fall completed many areas. Good crop set expected, barring late cold temperatures. Some spraying Blacklands. Pecan bud break completed many areas, many trees started leafing. No insect problems at present.

Range and Livestock: Ranges, native pastures continued improving throughout week. Greening increased. Many producers sprigging coastal pastures, soil conditions permitted. Small grains continued providing good grazing. Cattle pulled off field High Plains. Livestock remained good condition, showing good gains.

UTAH: Precipitation generally moderate to heavy except light in Uintah Basin. Temperatures averaged normal, ranging from 4° below to 4° above.

Calving, lambing continued. Fieldwork getting underway as soils dry sufficiently.

VIRGINIA: Warm period. Temperatures reached 80° in most areas. Nighttime lows in 20°, 30°. Frost widespread. Precipitation mostly light except in parts of central, western regions where thunderstorms dropped heavy rain.

Topsoil moisture still on dry side; 39% short, 56% adequate, 5% surplus. Days suitable for fieldwork averaged 4.8. Peach crop remains very poor. Apple crop appears good to excellent. Primary activities include land preparation, liming, fertilizing. Pasture, hay land good to excellent. Reseeding active. Small grains good to excellent condition. Frost caused some strees to barley. Corn planting 2% complete, less than last year, 2% avg. Most fieldwork on schedule. Tobacco plantbeds almost all seeded; condition good to excellent. Livestock condition excellent. Feed adequate.

WASHINGTON: Above normal precipitaion on both sides of Cascades as flow of cool, moist, unstable air continued over State all week. Temperatures statewide 1 to 8° below normal.

Fieldwork picking up in western, central areas of State. West of Cascades growers busy planting vegetable crops, picking daffodils. Central area growers spraying fruit trees, preparing seedbeds for spring wheat, barley, potatoes. Eastern areas of State remained too cold for much field activity. Winter wheat still snow covered in several areas. Winter kill continued to be low.

WEST VIRGINIA: Temperatures averaged nearly 9° above normal. Low 15° in Green Bank, Elkins; high 84° Burlington, Charleston. Precipitation well above normal, except southern division well below normal.

Soil moisture adequate to short. Days suitable for fieldwork averaged 3.9. Feed supplies adequate.

WISCONSIN: Fair, mild weather early in week, stormy weather later in week. Temperatures averaged 5° above normal. Showers, thunderstorms on 27th over most of State with 2 to 3 in. of wet snow in north on 28th. Major storm on 30th, 31st with 6 to 14 in. snow in north; 2 to 6 in. snow in central; moisture rain, sleet, snow in south.

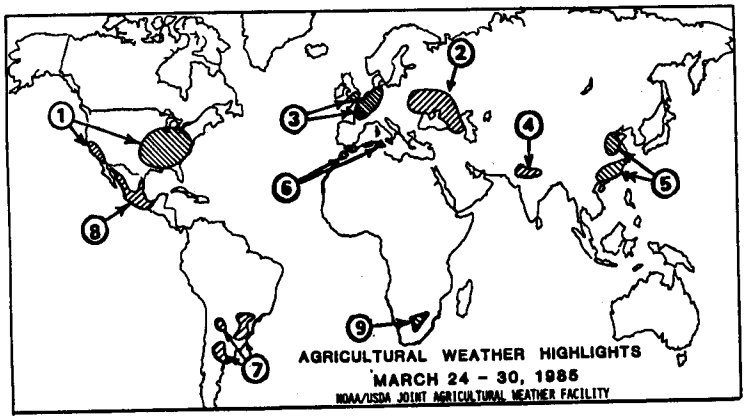
Maple syrup continued to flow good in north. Farmers preparing machinery, hauling manure, chopping stalks, some spring plowing in southern counties. Livestock in good condition. Warming temperatures stimulated dairy output.

WYOMING: Temperatures above normal except Big Horn drainage. Precipitation below normal except northwest.

Topsoil moisture short 55% State. Subsoil moisture adequate 57% State. Days suitable for fieldwork: 4.0. Winter wheat fair to mostly good, additional moisture needed. Light to moderate wind damage, light freeze damage. Small amount sugarbeet planted. Oats, spring wheat 5% planted. Barley, 20% planted. Last year small amount sugarbeets, oats, spring wheat, 5% barley planted. Livestock mostly good condition. Spring calves born, 40%. Death losses light most areas. Farm flock: Ewes lambed, 45%; shorn 45%. Range sheep: Ewes lambed, 15%; shorn 25%. Death losses light most areas. Range condition fair to good most areas.

International Weather and Crop Summary

March 24 - 30



HIGHLIGHTS:

1. UNITED STATES ... Heavy rains from northeast Texas to the Delta and eastern Corn Belt hamper land preparation, fertilizing, and planting. Stromy weather slows California fruit and vegetable harvests and triggers unusally heavy snow over the Intermountains and Rockies. Prolonged excessive moisture initiates some plains wheat diseases. Sunny weather favors Southeastern fieldwork.

2. WESTERN USSR ... Warm, dry weather melts snow in the north and helps dry topsoils in the south, improving conditions for spring planting.

3. EUROPE ... Persistent showers and unseasonably cool weather in the northwest delays early spring seeding. Dry weather in southern Spain stresses winter grains.

4. SOUTH ASIA ... Above-normal temperatures in the north speed wheat maturation.

5. EASTERN ASIA ... Warmer temperatures and additional rain benefit rice planting and early growth.

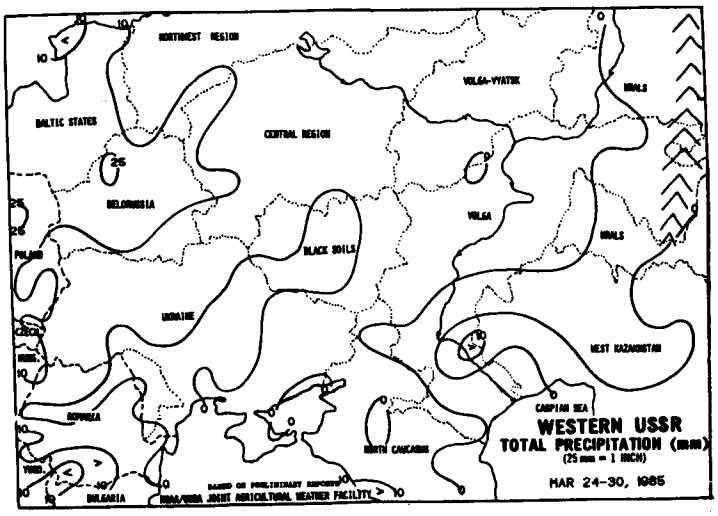
6. NORTHWESTERN AFRICA ... Timely showers in Algeria and Tunisia continue to benefit winter grains. Dry weather continues to stress winter grains in Morocco.

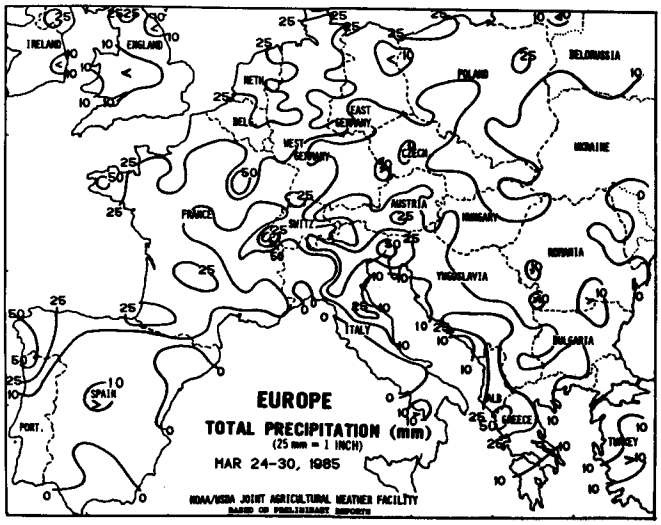
7. SOUTH AMERICA ... Periodic showers slow harvesting in most crop areas of Argentina and Brazil. Inundative rains prevent early soybean harvesting in Rio Grande do Sul.

8. MEXICO ... Unusual warmth speeds crop growth over the northeast.

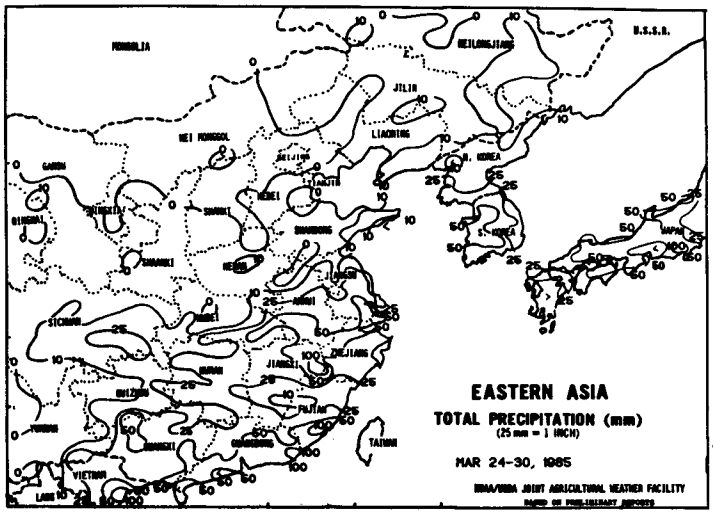
9. SOUTH AFRICA ... Wetness in the east slows corn harvesting.

WESTERN USSR...Warm maritime air spread across the region, further melting the snowcover. By week's end, daily temperatures ranged from -3C to 3C in the Central Region, Volga Vyatsk, upper Volga, and the Urals, where significant snowcover still exists. Daily temperatures ranged from 0C to 10C in regions without snowcover (Baltic States, Belorussia, Ukraine, North Caucasus, and lower Volga). Warm, dry weather in the south helped to dry topsoils, improving conditions for spring planting. Showers (10-25mm) covered winter grains in the Baltic States and Belorussia.

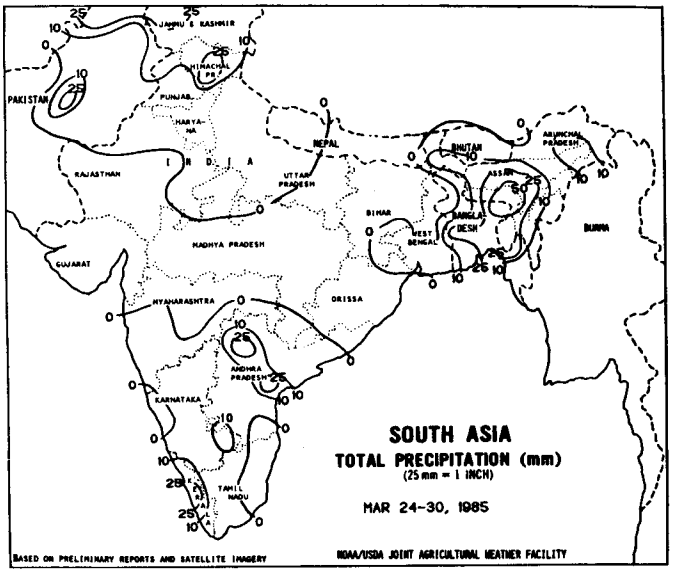




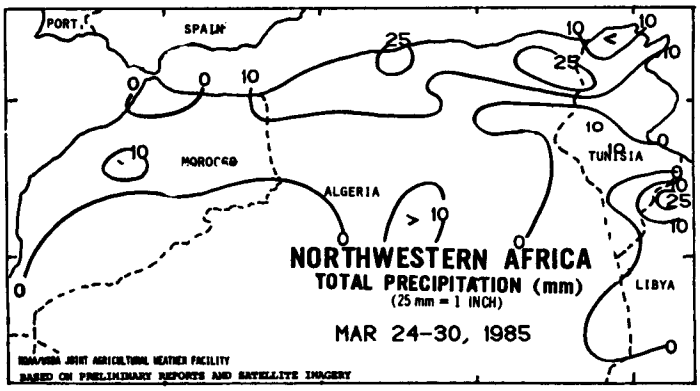
EUROPE...Persistent showers (25mm) fell over crop areas in England, northern France, northern West Germany, and East Germany, likely delaying early spring seeding. Mostly dry weather stressed winter grains in Spain. Winter grains in southern Spain are normally in the heading stage, and rain is needed soon to prevent declines in the yield potential. Light showers (around 10mm) covered crop areas in Poland and Czechoslovakia, increasing moisture supplies. In contrast, crop areas in Hungary, Romania, and Bulgaria were mostly dry. A warming trend late in the week, followed unseasonably cool weather, stimulating early winter grain growth in the northwest.



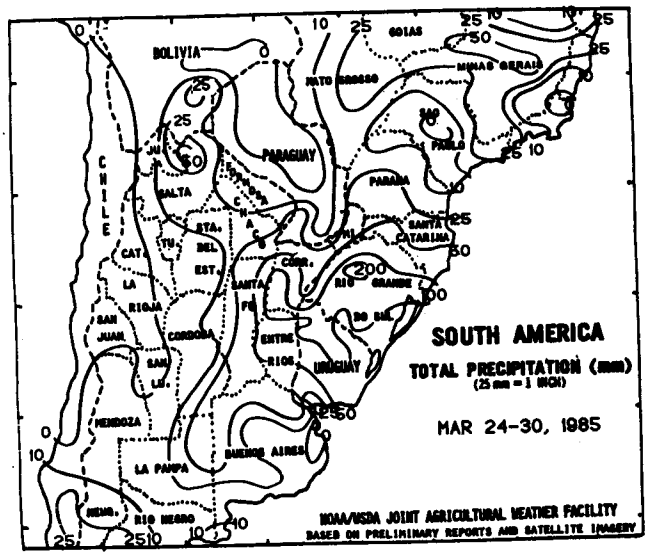
EASTERN ASIA...Moderate to heavy rain (25-100mm) covered most of southern China. A relatively dry pocket extended through northern Fujian and southern Jiangxi. Most areas south of the Yangtze River are adequately moist for early rice planting. Following March's below-normal temperatures, warmer temperatures in the south this week greatly benefited planting and early growth of rice. Light rain, generally less than 10mm, extended into the North China Plain, benefiting winter wheat in the early vegetative stage. Temperatures averaged near to slightly below normal in the winter wheat region, allowing continued slow growth. Moisture is adequate in South Korea, where winter grains have broken dormancy.



SOUTH ASIA...Scattered rain continued in the north, east, and south. The heaviest rain (25-50mm) fell in Assam and Bangladesh. Variable rain (mostly less than 10mm) in Andhra Pradesh did not likely slow summer rice harvesting. Light rain (1-5mm) fell in the major northern wheat belt. However, above-normal temperatures across the north accelerated wheat maturation and harvesting. Isolated moderate rain (25-45mm) in the north fell around the major wheat areas.

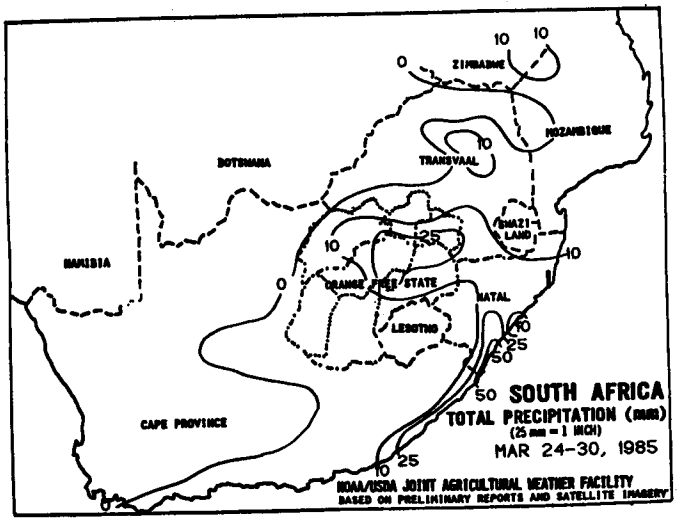


NORTHWESTERN AFRICA...Timely showers (10-25mm) in Algeria and Tunisia continued to benefit winter grains, normally entering the heading stage. Unfavorably dry weather continued to stress winter grains in Morocco. Crop areas in southern Morocco, which account for about 70 percent of total wheat production, have been the driest. Moroccan winter grains are in the moisture-sensitive heading stage, and rain is needed soon to improve yield prospects.



SOUTH AMERICA...Periodic rain slowed harvesting in most crop areas of Argentina and Brazil. Inundative showers (75-200mm) over western Rio Grande do Sul, Brazil, mostly during the first half of the week, continued to delay initial soybean harvesting. Persistent wetness will adversely affect the quality of mature soybeans. Lighter showers (10-50mm) fell elsewhere in Brazil, slowing the harvest. The soybean harvests in Parana and Mato Grosso do Sul are over 40 percent and 15 percent complete, respectively. Harvesting is falling behind the pace of last year and the recent 5-year average. In Argentina, showers covered the major summer crop areas but some harvesting occurred, especially during the latter half of the week. The early week rain helped the decreasing percentage of immature soybeans. Corn, sorghum, and sunflower harvests are over 30 percent, 20 percent, and 50 percent complete, respectively.

MEXICO...Unseasonal warmth over the northeast accelerated crop growth. Temperatures averaging 4-6C warmer than usual favored rapid growth of young corn, grain sorghum, and vegetables in Tamaulipas and adjacent states. Widespread cloudiness with some precipitation moved across west coast vegetables and field crops late in the week; however, the light rainfall only slightly interferred with fieldwork. Most other principal crop areas had seasonal and beneficial sunny, dry weather. Afternoon temperatures soared to 36-38C over parts of the Yucatan Peninsula.



SOUTH AFRICA...Moderate rain (25-40mm) in the eastern Maize Triangle likely slowed harvesting early in the week. However, the moisture will benefit wheat planting. Temperatures were above normal, helping to dry fields and speed corn maturation. Drier weather in the western half of the Maize Triangle and Transvaal favored maturing corn. The southwestern Cape Province had dry weather, but moisture is adequate for wheat planting.

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Managing Editor . . . . . Don Haddock
Meteorologists . . . . . Lyle Denny, Ray McInturff, Jim Williams, Wes Byrd, and Mark Brusberg

Subscriptions (202) 447-7917 . . Cheryl Caleco

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(Continued from p. 11)

San Joaquin Valley. Celery planting was active on the Central Coast. Asparagus harvest slowed in the desert and remained light in the Delta.

PASTURES AND LIVESTOCK: Moisture and warmth continued to improve pastures and ranges. Livestock moved to pastures as feed requirements increased. Livestock was mostly good. Weather was ideal for calving and lambing.

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