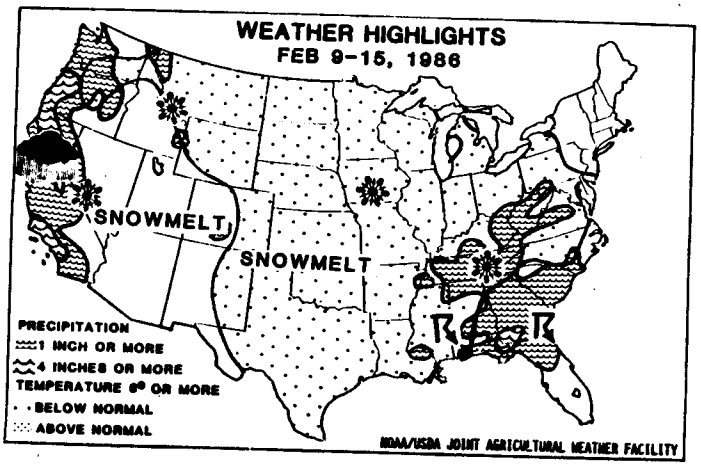
WEEKLY WEATHER AND CROP BULLETIN

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

Volume 73, No. 7 WASHINGTON, D.C. **Feb. 19, 1986**

February 9 to 15, 1986



HIGHLIGHTS: A massive low-pressure system in the Pacific Ocean repeatedly fed bands of weather onto the Pacific Coast battering the area with strong winds, torrential rain, and mountain snows. Further east, snow fell from the southern Rockies through the Texas Panhandle and Oklahoma, to the Ohio Valley and the mid-Atlantic States, and northward through the Great Lakes and Northeast. Rain covered the area from southern Texas to Georgia and the Carolinas. Thunderstorms triggered heavy rain in Georgia and northern Florida. On the first day of the week freezing temperatures reached into the valleys of California and subsequently into northern Florida. Warming began in the West early in the week and spread across the southern half of the Nation.

SUNDAY...Snow fell in the Southwest, the southern Rockies, and from the Texas Panhandle and Oklahoma through the Ohio Valley into New York. Lighter snow fell through the northern and central Plains, and rain showers and thunderstorms covered the gulf coast. Freezing temperatures pushed into the central valleys of California.

MONDAY...Light snow continued through the Rockies and the Plains to northern Texas and northeastward through the Ohio Valley to the mid-Atlantic States and southern New England. A storm centered in Georgia brought a variety of weather to the South and East. A mixture of snow, sleet, and freezing rain fell from northeastern Texas through the Tennessee Valley to northern Virginia. Rain showers covered the gulf coast region, and thunderstorms were heavy in the Southeast. Temperatures were warmer in California, but a few areas were below freezing.

TUESDAY...Snow fell from the Ohio and central Tennessee Valleys to the central Great Lakes and to New England. Heavy amounts accumulated in West Virginia and parts of the mid-Atlantic States. Rain fell in the Carolinas and thundershowers covered Florida. A gigantic storm in the Pacific Ocean pushed the first of a series of weather fronts onto the west coast spreading rain along the coast and snow into the higher elevations.

WEDNESDAY...Light snow continued on the western side of the Appalachians as the snowstorm left through the Northeast. The storm along the west coast intensified and dumped moderate to heavy rain in most of California's lower elevations and heavy snow in the mountains. Snow spread across the northern and central Plateau to the Rockies.

THURSDAY...High pressure centered in eastern Tennessee brought clearing weather to the East Coast States, but the clockwise flow around the high pressure caused moist flow northward through the Plains. Snow fell from eastern Kansas to Tennessee and northeastward through the Great Lakes region. The first storm to bring heavy rain to the west coast region moved through the Rockies and triggered snow over the central and northern Plateau and Rockies and spread to the northern and central Plains. The next Pacific storm just off the coast was bringing more moderate to heavy rain to much of the west coast and heavy snow to the Cascade and Sierra ranges.

FRIDAY...Some form of precipitation covered all of the East. Snow fell from Missouri to the southern Appalachians and northeastward through the Great Lakes and New England and from the mid-Atlantic States northward. Another powerful storm was moving onto the west coast bringing heavy rain and high winds from southern California to western Washington. Heavy snow covered the western mountains.

(Continued to p. 8)

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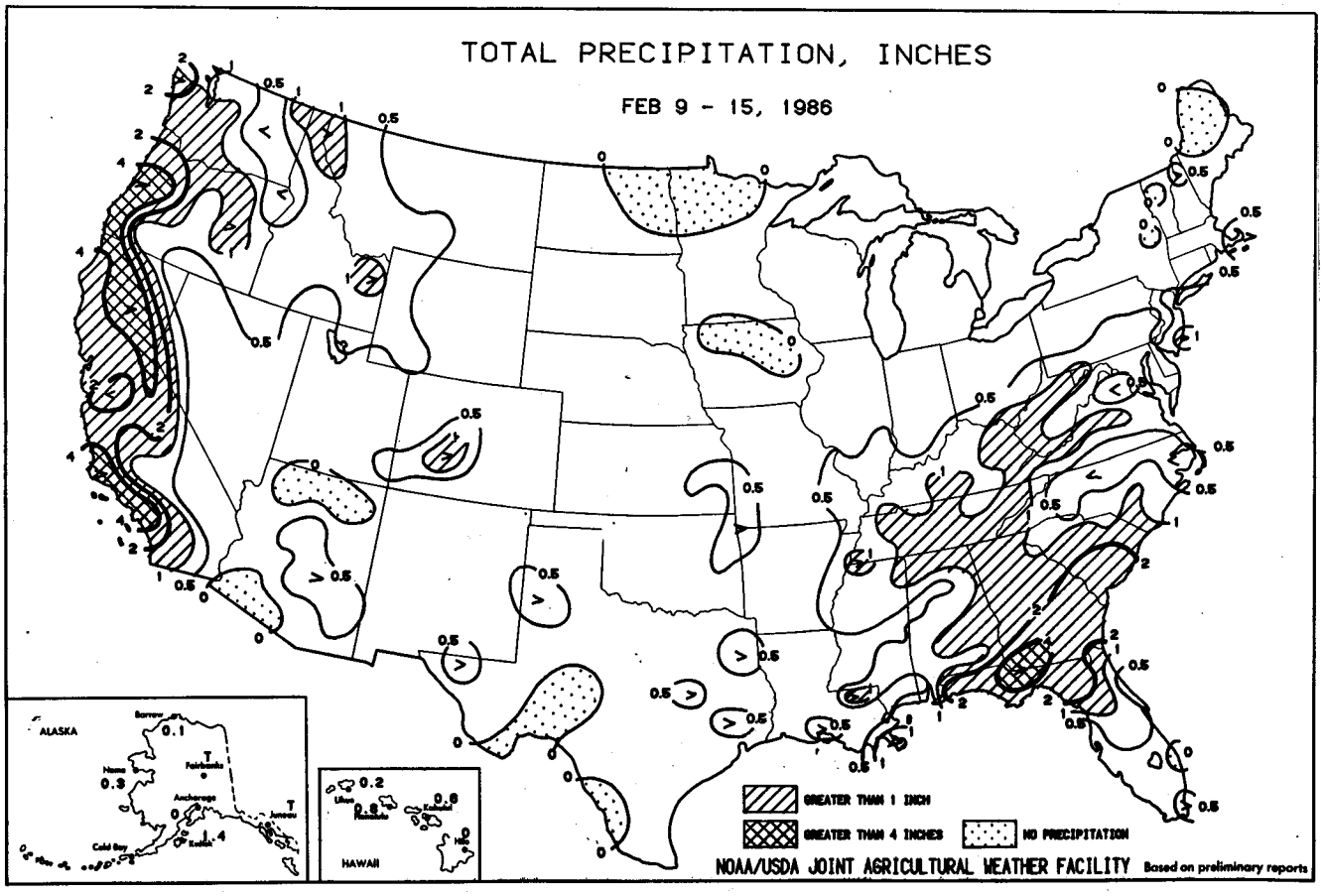
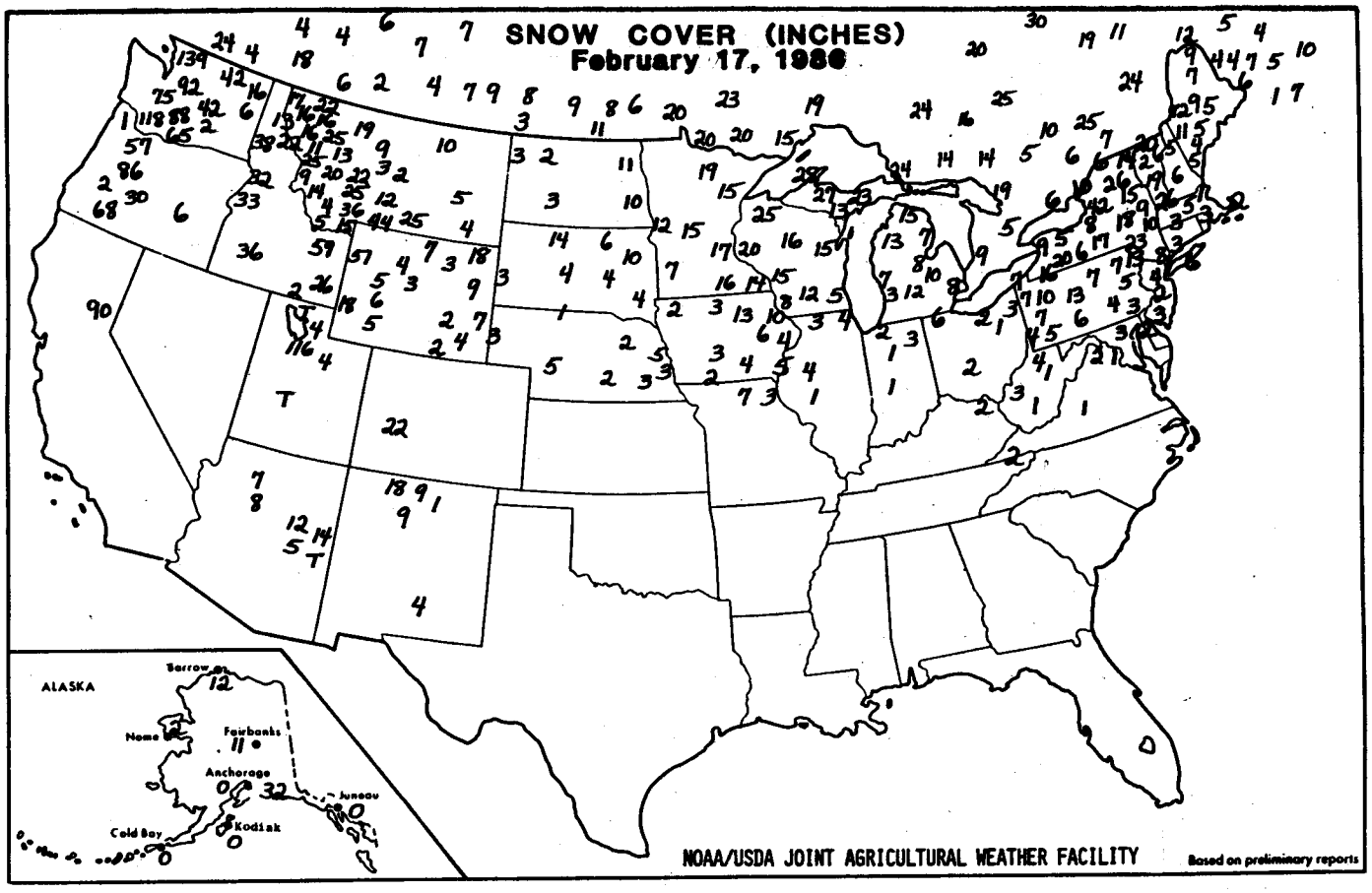
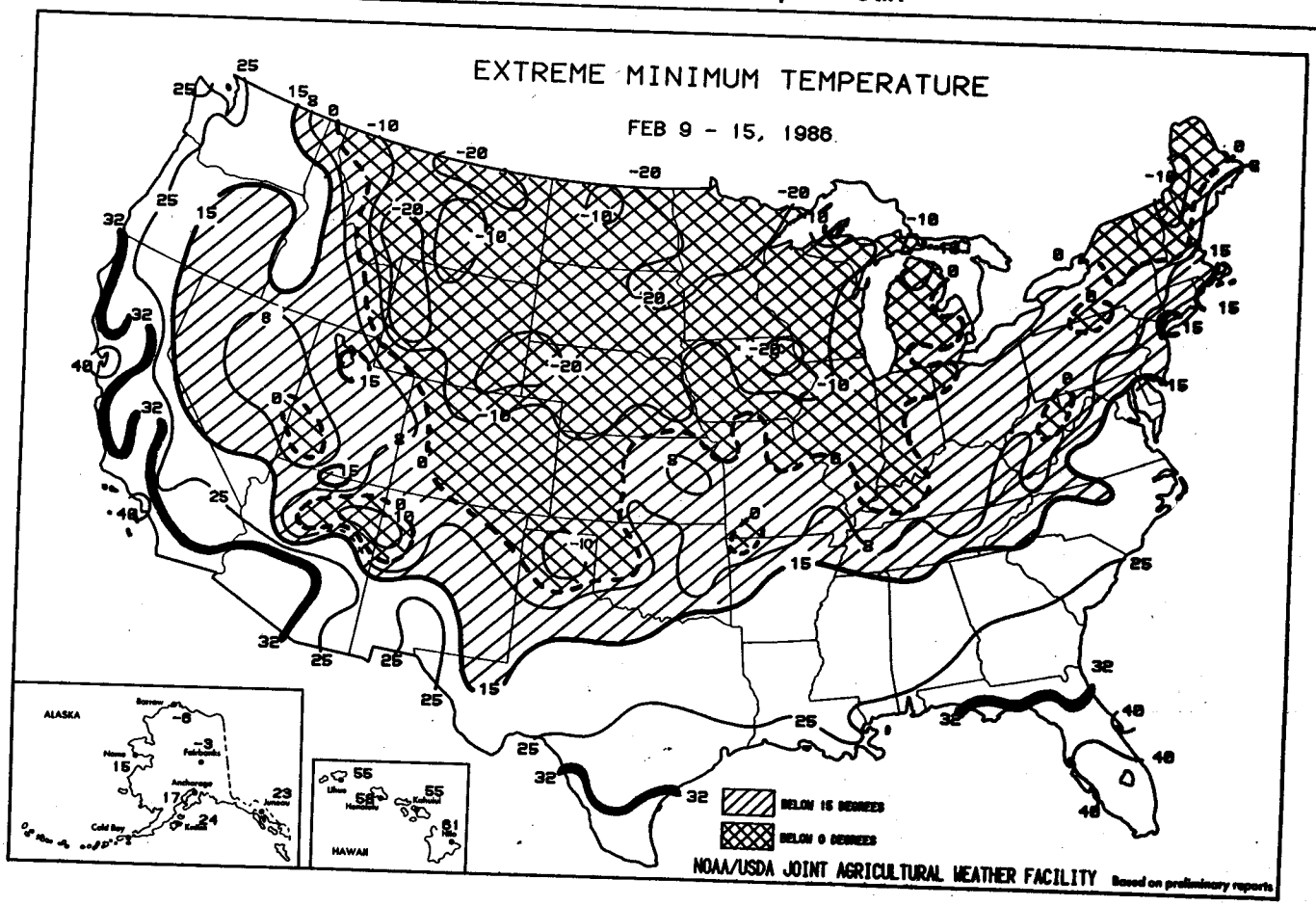
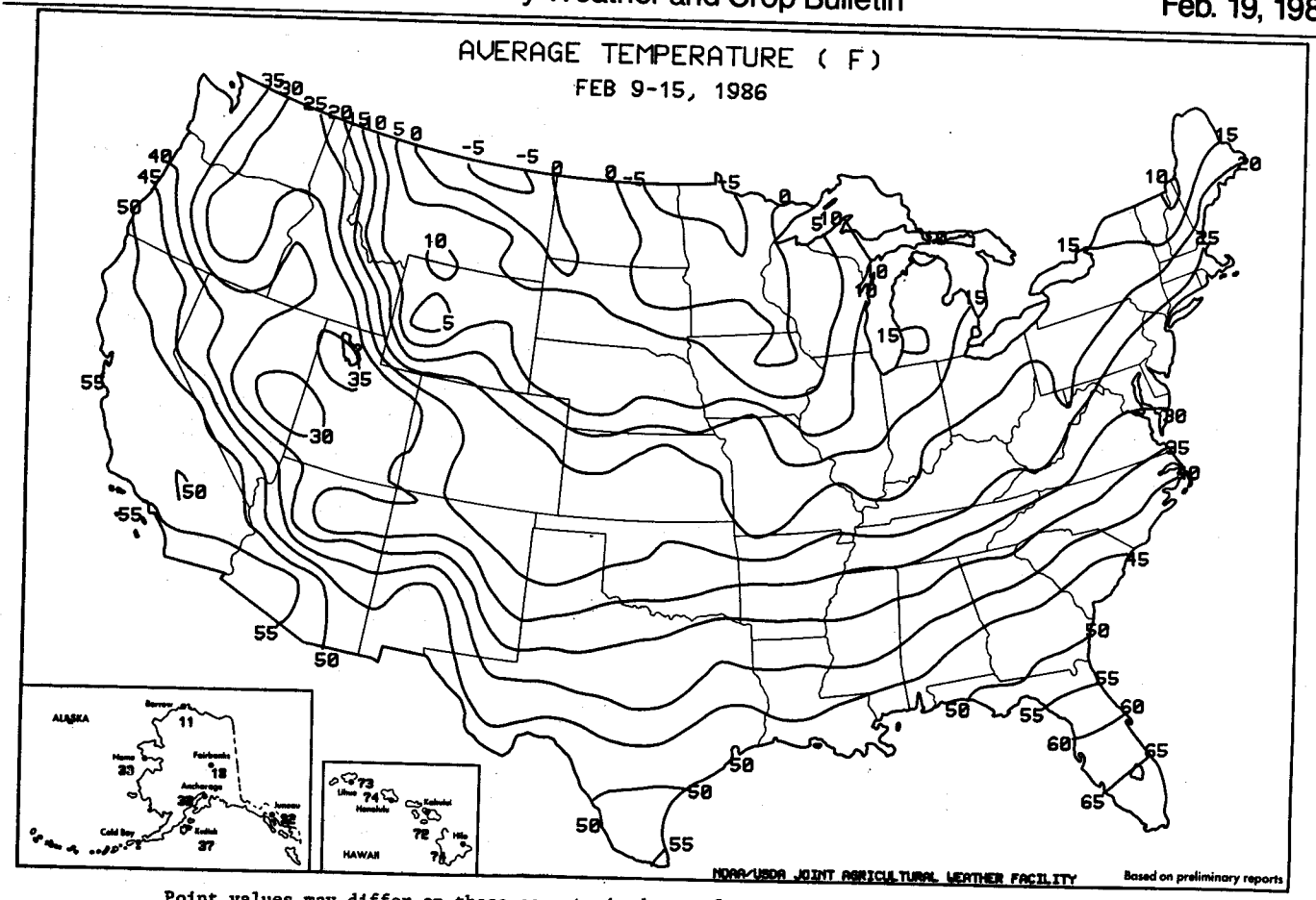

TOTAL PRECIPITATION, INCHES
FEB 9 - 15, 1986
ALASKA
HAWAII
GREATER THAN 1 INCH
GREATER THAN 4 INCHES
NO PRECIPITATION
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

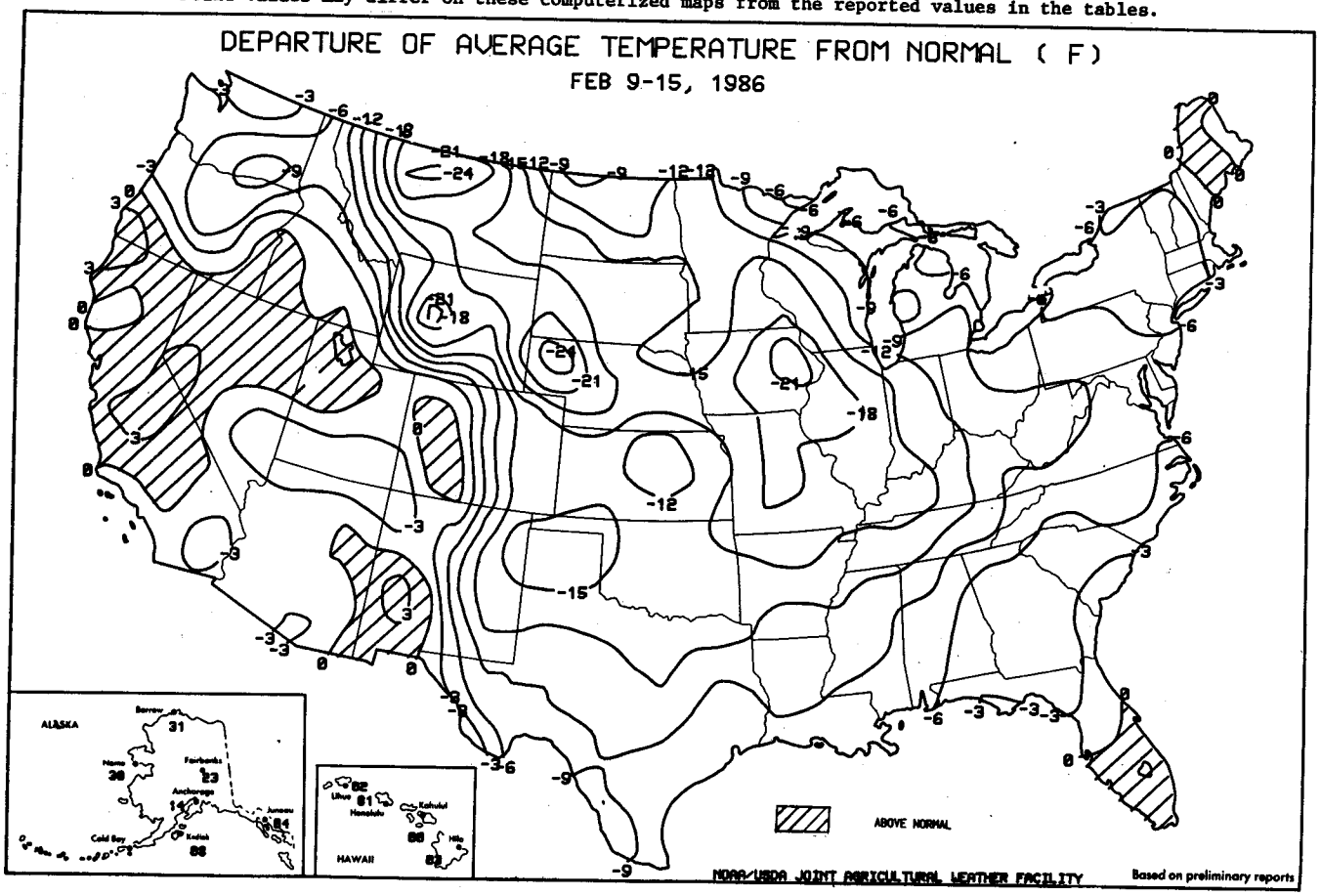

SNOW COVER (INCHES)
February 17, 1986
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

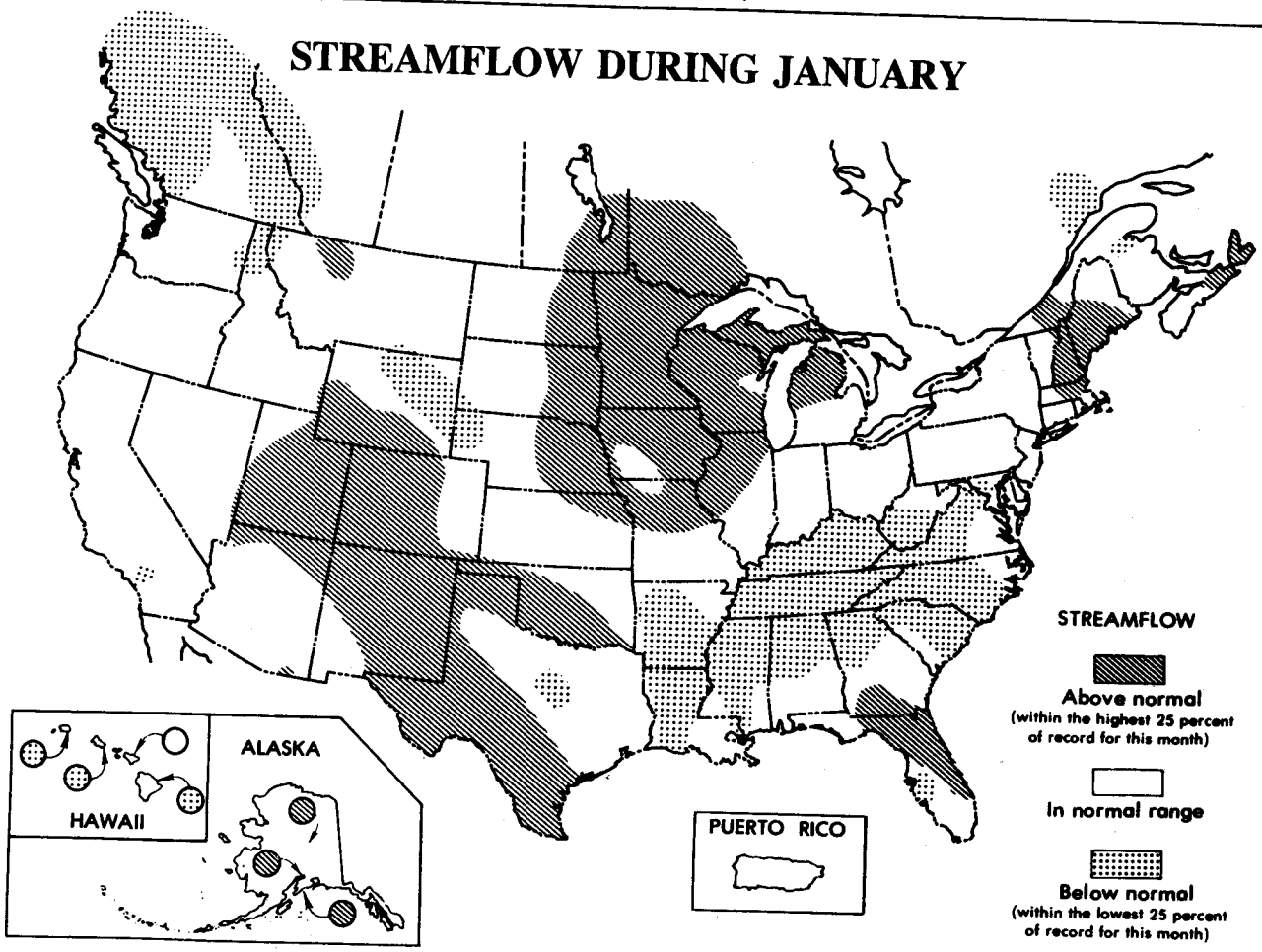


A SERIES OF FRONTAL SYSTEMS MOVE ONTO THE WEST COAST, BATTERING THE AREA WITH STRONG WINDS, TORRENTIAL RAIN, AND MOUNTAIN SNOWS. CLOUDS REPRESENTING THE REMNANTS OF AN EARLIER SYSTEM CAN BE SEEN THROUGH THE ROCKY MOUNTAINS AND EXTENDING OVER BAJA, CALIFORNIA INTO THE PACIFIC OCEAN.



Point values may differ on these computerized maps from the reported values in the tables.





U.S. Geological Survey

JANUARY STREAMFLOW HIGHLIGHTS

January flows were averag to well-above average for about three-fourths o. the Nation's key index streams, but many flows had dropped sharply from the extremely wet conditions in December, according to the U.S. Geological Survey.*

U.S. Geological Survey hydrologists said record-high flows for January were set at four stream sites in Wisconsin, Minnesota, Utah and Alaska.

Of the 174 key index stream-gaging stations across the country, 31 percent (54 stations) reported well-above average flows, 44 percent (76 stations) reported average flows and 25 percent (44 stations) reported well-below average flows. In both November and December, flows were average to well-above average at about 90 percent of the same index stations.

The decline in streamflows during January was apparent in the combined flow of the Nation's three largest rivers--Mississippi, St. Lawrence, and Columbia--which was 519.4 bgd (billion gallons per day), 16 percent below the long-term January average and a 47 percent decline from December's flow. These three rivers account for streamflow runoff from more than half of the conterminous United States and provide a useful check on the status of the Nation's surface-water resources.

A significant factor in the below-average flow of the "Big 3" was the large decline in flow of the Mississippi from December when the flow at Vicksburg, Mississippi was the highest for December in 58 years of record. Flow during January averaged 307.8 bgd, 26 percent below the long-term average and 60 percent less than the December flow.

Below-average flow of the Ohio River, and the below-average flows in the other tributary streams in the lower Mississippi River drainage basin also played a part in the lower-than-normal January flow for the Mississippi. Near its headwaters in Minnesota, however, the Mississippi set a record-high flow for the month.
Above-normal streamflows persisted in much of the upper Midwest and in parts of Florida, Georgia, Oklahoma, Texas, New Mexico, Arizona, Colorado, Utah, Wyoming, Montana, and Alaska.

Contents of 74 percent of 100 key index reservoirs were at or above average at the end of January, and only 22 percent reported significant declines in contents for the month.

*As the Nation's largest water-science and water-information agency, the U.S. Geological Survey routinely gathers data on the quantity and quality of the Nation's surface-and ground-water resources at more than 65,000 sites across the country, in cooperation with other Federal, State and local agencies.

Weather Data for the Week Ending February 15, 1986

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 Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	47	27	65	16	37	-9	.4	-.7	.3	5.1	40	2.2	29	90	44	0	6	2	0
MOBILE	56	35	67	25	45	-8	.3	-.9	.2	10.6	85	6.3	89	90	54	0	3	2	0
MONTGOMERY	52	32	66	23	42	-7	1.7	.6	1.1	10.3	91	5.5	85	90	52	0	4	2	2
AK ANCHORAGE	39	25	41	17	32	14	T	-.3	T	1.9	78	.4	31	89	56	0	7	0	0
BARROW	17	6	25	-6	11	32	.1	0	.1	.4	81	.3	75	93	84	0	7	1	0
FAIRBANKS	30	7	38	-3	19	24	T	-.1	T	.3	17	.2	25	94	68	0	7	1	0
JUNEAU	39	25	44	23	32	4	T	-1.0	T	17.2	166	8.0	140	90	52	0	7	1	0
KODIAK	43	31	45	24	37	8	1.4	-.2	.8	34.6	189	15.8	132	99	73	0	4	2	2
NOME	39	28	48	15	33	30	.3	.2	.2	2.3	128	1.0	91	88	62	0	6	2	0
AZ PHOENIX	64	45	75	37	55	-1	.5	.4	.3	2.0	110	1.2	120	80	30	0	0	2	0
PRESCOTT	49	27	61	13	38	-1	.6	.3	.6	1.2	28	1.1	44	85	43	0	4	1	1
TUCSON	65	40	77	31	52	-1	.2	.1	.2	2.3	107	2.1	175	83	27	0	2	2	0
YUMA	68	47	75	34	58	-2	T	-.1	T	.7	75	.4	80	68	25	0	0	0	0
AR FORT SMITH	39	19	61	11	29	-13	.2	-.4	.1	4.2	70	3.8	123	93	53	0	7	3	0
LITTLE ROCK	36	22	46	13	29	-14	.3	-.6	.1	6.5	68	3.4	61	76	57	0	6	3	0
CA BAKERSFIELD	63	44	74	33	54	1	.7	.4	.3	1.8	82	1.6	100	94	50	0	0	4	0
EUREKA	59	46	67	37	53	4	2.7	1.4	1.2	14.5	90	11.7	118	82	55	0	0	4	3
FRESNO	63	45	74	33	54	4	2.4	1.9	1.6	5.6	118	4.8	155	89	52	0	0	4	1
LOS ANGELES	61	48	64	41	55	-2	4.8	4.2	2.0	7.9	128	7.4	164	87	61	0	0	3	3
RED BLUFF	56	42	62	30	49	-1	5.3	4.5	2.6	14.0	140	11.6	181	94	64	0	1	4	3
SACRAMENTO	60	46	67	36	53	3	2.4	1.7	.8	8.8	102	6.5	114	91	62	0	0	4	3
SAN DIEGO	62	49	64	43	56	-2	1.6	1.2	1.6	4.4	102	3.3	114	86	54	0	0	2	1
SAN FRANCISCO	60	49	64	41	55	3	2.9	2.1	1.5	9.3	92	7.7	118	92	62	0	0	5	3
CO DENVER	37	10	66	-5	24	-10	.1	-.1	.1	1.1	83	.5	63	81	40	0	6	1	0
GRAND JUNCTION	40	23	54	9	32	-1	.2	.1	.1	1.2	79	.5	56	88	50	0	6	2	0
PUEBLO	41	11	69	-4	26	-9	.1	0	0	.6	86	.3	75	89	44	0	6	2	0
CT BRIDGEPORT	32	18	38	14	25	-5	.1	-.7	.1	5.2	61	3.9	81	78	44	0	7	2	0
HARTFORD	30	13	37	8	22	-5	.3	-.4	.3	8.0	86	6.7	129	86	43	0	7	2	0
DC WASHINGTON	33	25	37	17	29	-8	.6	0	.4	4.8	66	4.1	100	86	57	0	5	3	0
FL APALACHICOLA	63	43	75	32	53	-1	2.0	1.1	1.2	12.6	141	8.3	154	89	54	0	1	4	1
DAYTONA BEACH	70	49	84	35	59	1	T	-.7	T	9.8	159	7.8	195	91	49	0	0	1	0
JACKSONVILLE	63	42	75	30	52	-2	1.0	.2	.4	12.3	165	8.7	178	92	51	0	2	4	0
KEY WEST	77	66	83	58	72	2	.4	-.1	.3	4.0	89	1.7	61	91	64	0	0	3	0
MIAMI	78	59	85	48	68	1	.1	-.5	.1	9.4	184	5.9	184	90	45	0	0	1	0
ORLANDO	71	50	86	39	61	-1	.7	0	.6	12.2	228	8.7	249	92	44	0	0	2	1
TALLAHASSEE	60	36	78	24	48	-5	4.1	2.8	2.0	18.3	155	11.1	154	94	51	0	4	4	2
TAMPA	70	51	81	39	61	1	.4	-.4	.3	4.5	78	3.4	92	93	52	0	0	3	0
WEST PALM BEACH	78	57	88	46	68	2	T	-.7	T	7.8	121	6.4	152	92	47	0	0	0	0
GA ATLANTA	48	29	64	17	38	-6	1.4	.3	.7	5.4	47	3.1	43	87	48	0	5	2	2
AUGUSTA	54	32	65	21	43	-4	1.6	.6	1.6	5.4	59	3.8	62	91	46	0	4	2	1
MACON	54	34	61	23	44	-5	1.4	.2	1.2	8.0	76	5.1	77	93	51	0	5	2	1
SAVANNAH	56	39	66	27	4[illegible]	-3	2.1	1.4	1.7	9.0	119	6.9	147	88	54	0	3	5	1
HI HILO	84	64	87	61	74	3	T	-3.4	T	7.3	25	4.8	29	87	48	0	0	0	0
HONOLULU	83	65	85	58	74	1	.8	.1	.7	1.4	16	1.4	27	89	51	0	0	3	1
KAHULUI	81	63	85	55	72	1	.6	-.3	.5	2.5	29	1.7	28	93	57	0	0	2	1
LIHUE	81	64	85	55	73	2	.2	-.7	.1	1.1	8	.6	7	89	50	0	0	2	0
ID BOISE	42	30	55	17	36	0	.8	.5	.5	3.4	94	2.2	96	90	59	0	4	3	1
LEWISTON	35	26	39	21	31	-8	.1	-.1	.1	1.8	55	1.4	74	89	65	0	7	1	0
POCATELLO	34	22	50	8	28	-1	.8	.6	.3	3.4	133	2.2	138	90	63	0	4	6	0
IL CHICAGO	19	-1	27	-6	9	-16	.1	-.3	.1	3.2	74	1.7	77	83	50	0	7	1	0
MOLINE	16	-6	28	-11	5	-19	T	-.3	T	4.6	110	2.3	100	80	56	0	7	1	0
PEORIA	17	-3	26	-6	7	-19	.2	-.1	.2	3.7	86	1.4	61	89	62	0	7	1	0
QUINCY	20	-2	29	-5	9	-19	.3	0	.3	4.1	110	1.7	85	87	57	0	7	1	0
ROCKFORD	17	-3	25	-7	7	-16	T	-.3	T	4.6	117	2.3	115	89	62	0	7	1	0
SPRINGFIELD	20	1	28	-9	11	-18	.3	-.1	.3	3.6	81	1.2	50	83	56	0	7	2	0
IN EVANSVILLE	26	10	33	-2	18	-16	.5	-.2	.3	8.1	102	6.4	142	90	58	0	7	4	0
FORT WAYNE	20	5	26	-4	13	-13	.2	-.3	.2	5.2	94	2.5	81	90	64	0	7	1	0
INDIANAPOLIS	24	9	29	1	16	-13	.2	-.4	.2	6.2	91	2.9	74	82	57	0	7	1	0
SOUTH BEND	21	4	28	-4	13	-13	.1	-.4	.1	5.1	78	2.5	71	87	58	0	7	2	0
IA DES MOINES	15	-6	26	-10	5	-19	T	-.3	T	3.2	123	1.9	119	82	58	0	7	2	0
SIOUX CITY	18	-1	29	-7	8	-14	T	-.2	T	1.3	75	.8	80	83	62	0	7	1	0
WATERLOO	12	-17	24	-22	-2	-23	T	-.2	T	3.9	162	2.7	208	88	62	0	7	0	0
KS CONCORDIA	28	11	42	3	19	-11	.1	-.1	.1	1.7	99	1.2	120	87	56	0	7	2	0
DODGE CITY	28	12	57	-2	20	-15	.1	0	.1	.6	45	.4	57	90	63	0	7	2	0
GOODLAND	30	7	66	-7	19	-13	.1	0	.1	.8	81	.3	60	91	57	0	7	2	0
TOPEKA	27	11	40	5	19	-13	T	-.2	T	2.3	85	1.6	114	85	52	0	7	1	0
WICHITA	29	13	47	4	21	-14	.4	.2	.3	1.9	93	1.3	130	89	58	0	7	2	0
KY BOWLING GREEN	29	13	35	0	21	-16	1.1	.1	.6	5.7	51	4.0	61	95	58	0	7	3	1
LEXINGTON	27	14	34	0	20	-13	.6	-.2	.3	3.8	43	2.7	52	90	58	0	7	3	0
LOUISVILLE	28	16	34	4	22	-13	.6	-.2	.3	5.5	65	4.6	92	86	52	0	7	3	0
LA ALEXANDRIA	51	34	73	24	42	-12	.1	-1.3	.1	8.9	71	3.3	43	72	48	0	4	3	0
BATON ROUGE	57	34	69	22	45	-8	.4	-.9	.3	9.9	80	5.2	71	86	46	0	4	3	0
LAKE CHARLES	54	37	75	25	45	-9	.1	-.9	.1	7.4	64	3.6	56	88	55	0	2	3	0
NEW ORLEANS	56	38	71	29	47	-7	.3	-1.0	.2	11.2	86	6.4	82	90	53	0	3	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

(Continued from p. 1)

SATURDAY...The massive Pacific storm continued to batter the Western States with strong winds, heavy rain, and mountain snows. Precipitation fell throughout the Plateau region and some heavy snow fell in the northern Rockies. The precipitation was about over in the east, but light snow continued to fall through the Great Lakes and to the central and northern Appalachians.

Weather Data for the Week Ending February 15, 1986

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 Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	48	29	66	20	38	-11	.2	-.7	.2	7.3	75	3.9	66	91	51	0	5	2	0
ME CARIBOU	23	2	26	-8	13	1	T	-.5	T	7.7	116	5.5	157	83	50	0	7	1	0
PORTLAND	32	9	38	4	21	-1	T	-.9	T	10.1	99	7.7	135	84	37	0	7	1	0
MD BALTIMORE	32	21	37	11	26	-7	.8	.1	.6	5.1	64	4.3	96	88	57	0	7	3	1
SALISBURY	34	24	44	15	29	-7	1.0	.1	.5	8.2	94	7.3	143	90	54	0	6	4	0
MA BOSTON	33	21	38	18	27	-3	.2	-.7	.2	5.6	53	4.3	73	76	42	0	7	2	0
CHATHAM	41	21	55	16	31	0	.6	-.5	.4	5.4	47	3.9	59	—	—	0	7	3	0
MI ALPENA	24	2	29	-6	13	-4	T	-.3	T	4.3	99	1.7	74	92	47	0	7	2	0
DETROIT	23	8	29	0	15	-10	.1	-.3	.1	4.5	85	2.9	107	88	59	0	7	3	0
FLINT	21	3	28	-7	12	-11	.1	-.3	.1	3.9	89	2.5	109	92	62	0	7	1	0
GRAND RAPIDS	21	8	27	-3	15	-8	.3	-.1	.1	5.4	103	3.4	126	90	64	0	7	5	0
HOUGHTON LAKE	21	1	22	-10	11	-6	T	-.3	T	4.0	98	1.9	90	87	53	0	7	1	0
LANSING	21	1	27	-13	11	-12	.1	-.3	.1	3.6	77	2.3	92	94	67	0	7	2	0
MARQUETTE	19	-4	24	-10	7	-6	T	-.5	T	7.0	130	3.0	100	94	62	0	7	0	0
MUSKEGON	24	12	29	-2	18	-5	.2	-.2	.1	5.5	94	2.5	76	88	61	0	7	6	0
SAULT STE. MARIE	20	0	24	-13	10	-4	.2	-.3	.1	5.6	98	2.1	68	93	60	0	7	4	0
MN ALEXANDRIA	7	-12	16	-18	-3	-15	.3	.1	.2	2.6	134	1.3	108	87	68	0	7	2	0
DULUTH	10	-11	14	-18	0	-13	T	-.2	T	1.6	54	.8	47	82	51	0	7	1	0
INT'L FALLS	9	-14	15	-23	-2	-10	T	-.1	T	1.2	56	.7	58	88	56	0	7	0	0
MINNEAPOLIS	9	-9	17	-13	0	-16	.5	.3	.3	2.6	125	1.4	117	86	60	0	7	2	0
ROCHESTER	8	-10	18	-14	-1	-18	.2	.1	.2	2.1	109	.9	90	86	68	0	7	2	0
MS GREENWOOD	45	26	58	15	36	-11	.8	-.3	.4	5.9	46	2.0	27	88	51	0	5	3	0
JACKSON	49	27	67	17	38	-11	.3	-.9	.1	5.8	45	2.2	30	91	49	0	5	3	0
MERIDIAN	50	29	63	19	39	-9	.3	-.8	.2	7.5	58	3.2	44	92	47	0	5	3	0
MO CAPE GIRARDEAU	30	12	35	4	21	—	.6	-.2	.4	5.4	67	3.7	86	86	60	0	7	2	0
COLUMBIA	24	4	33	0	14	-18	.2	-.3	.2	7.0	159	3.6	144	86	56	0	7	1	0
KANSAS CITY	24	6	36	-1	15	-16	.2	-.1	.1	2.4	80	1.2	75	85	57	0	7	3	0
SAINT LOUIS	26	8	31	3	17	-16	.5	-.1	.5	8.4	169	4.8	171	82	50	0	7	1	0
SPRINGFIELD	28	7	42	2	18	-18	.3	-.2	.3	5.0	96	1.9	73	89	57	0	7	3	0
MT BILLINGS	16	2	23	-9	9	-19	.6	.4	.4	2.0	89	1.8	129	84	61	0	7	4	0
GLASGOW	5	-15	14	-23	-5	-21	.1	0	.1	1.1	97	.6	86	86	70	0	7	2	0
GREAT FALLS	12	-8	21	-17	2	-24	.4	.2	.3	1.6	73	1.2	80	89	68	0	7	4	0
HAVRE	7	-16	15	-27	-5	-25	T	-.1	T	.5	34	.4	44	86	51	0	7	1	0
HELENA	17	-2	25	-11	8	-18	.7	.6	.4	1.4	91	1.0	111	97	65	0	7	6	0
KALISPELL	24	2	32	-8	13	-13	.7	.4	.6	4.0	103	3.3	143	84	50	0	7	4	1
MILES CITY	17	-5	28	-14	6	-15	T	-.1	T	1.2	79	.7	78	82	45	0	7	1	0
MISSOULA	25	14	30	6	20	-8	.9	.7	.4	2.5	80	2.1	111	88	63	0	7	4	0
NE GRAND ISLAND	21	1	32	-9	11	-16	.1	-.1	.1	.8	48	.5	56	87	63	0	7	2	0
LINCOLN	21	-2	31	-11	9	-17	.1	-.1	.1	.9	49	.5	45	86	58	0	7	3	0
NORFOLK	18	-2	29	-11	8	-15	.2	0	.1	1.7	109	1.2	133	87	63	0	7	4	0
NORTH PLATTE	18	-4	32	-17	7	-20	.1	0	.1	1.8	165	1.0	143	88	54	0	7	1	0
OMAHA	17	0	28	-9	9	-16	.1	-.1	.1	1.2	62	.8	73	70	52	0	7	3	0
SCOTTSBLUFF	19	-9	45	-23	5	-25	.2	.1	.2	2.8	257	1.7	283	88	66	0	7	1	0
VALENTINE	17	-3	24	-13	7	-16	T	-.1	T	.8	93	.5	100	80	59	0	7	1	0
NV ELY	40	19	47	4	29	1	.4	.3	.1	1.4	81	.8	80	86	49	0	6	4	0
LAS VEGAS	58	39	69	25	49	-1	.1	0	.1	.4	38	.4	50	60	27	0	2	2	0
RENO	52	28	65	14	40	3	1.5	1.2	.7	2.7	88	2.1	117	83	34	0	4	3	2
WINNEMUCCA	49	26	61	9	38	2	.4	.2	.1	1.5	71	.7	54	88	33	0	5	4	0
NH CONCORD	31	5	36	-1	18	-4	T	-.6	T	7.4	99	5.8	141	92	39	0	7	1	0
NJ ATLANTIC CITY	32	19	38	7	26	-7	1.1	.3	.9	7.0	80	6.1	117	89	51	0	7	3	1
NM ALBUQUERQUE	46	26	60	11	36	-3	.3	.3	.2	1.4	127	1.2	200	86	42	0	4	3	0
CLOVIS	37	18	65	8	28	-13	.6	.4	.5	1.4	99	1.2	150	96	61	0	5	2	1
ROSWELL	43	25	78	14	34	-12	.4	.3	.3	1.2	188	1.2	300	96	61	0	5	2	0
NY ALBANY	28	10	33	4	19	-3	T	-.6	T	6.4	97	4.3	119	94	52	0	7	0	0
BINGHAMTON	21	10	25	4	16	-6	.2	-.4	.2	6.3	94	4.1	111	92	53	0	7	4	0
BUFFALO	24	13	29	8	19	-5	.2	-.4	.1	9.0	116	4.1	95	93	63	0	7	6	0
NEW YORK	33	23	39	18	28	-5	.4	-.4	.4	6.4	77	5.8	123	76	49	0	7	2	0
ROCHESTER	24	11	29	7	18	-6	T	-.5	T	4.7	76	2.6	74	89	55	0	7	1	0
SYRACUSE	26	12	28	6	19	-4	.3	-.3	.1	5.2	72	3.4	85	95	57	0	7	6	0
NC ASHEVILLE	40	22	59	10	31	-7	.6	-.3	.3	2.8	31	2.1	40	92	50	0	6	3	0
CHARLOTTE	44	29	53	19	37	-6	.4	-.5	.2	2.6	28	1.6	28	81	48	0	4	3	0
GREENSBORO	40	25	51	16	32	-7	.4	-.5	.2	3.2	36	1.7	32	90	50	0	6	3	0
HATTERAS	50	34	63	19	42	-3	.5	-.6	.3	6.9	60	6.2	89	94	60	0	3	4	0
NEW BERN	47	30	55	17	39	-7	.4	-.7	.2	4.8	49	4.2	68	92	54	0	4	3	0
RALEIGH	42	27	50	14	34	-7	.3	-.6	.1	3.9	46	3.1	57	88	51	0	5	3	0
WILMINGTON	53	32	71	20	43	-4	.8	0	.5	4.5	51	3.1	57	90	53	0	4	3	0
ND BISMARCK	10	-8	16	-19	1	-13	T	-.1	T	.7	55	.4	50	84	65	0	7	1	0
FARGO	6	-12	12	-18	-3	-14	T	-.1	T	1.5	104	.9	113	80	65	0	7	0	0
GRAND FORKS	5	-15	12	-23	-5	-14	T	-.1	T	.9	54	.6	55	84	68	0	7	0	0
WILLISTON	10	-8	15	-14	1	-13	.1	-.1	.1	1.2	84	.5	56	86	67	0	7	2	0
OH AKRON-CANTON	24	14	29	4	19	-8	.2	-.4	.1	6.2	98	3.4	92	88	59	0	7	5	0
CINCINNATI	25	12	32	1	19	-13	.5	-.1	.4	5.0	68	3.5	80	88	56	0	7	3	0
CLEVELAND	25	14	31	5	20	-7	.1	-.4	.1	6.5	101	3.8	106	90	57	0	7	3	0
COLUMBUS	25	14	31	3	20	-9	.3	-.2	.2	5.5	84	3.6	92	85	56	0	7	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending February 15, 1986

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 Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	22	11	28	2	17	-12	.2	-.3	.2	6.3	102	4.1	111	86	59	0	7	3	0
TOLEDO	22	8	28	-2	15	-10	.1	-.3	.1	3.7	67	2.1	72	92	63	0	7	1	0
YOUNGSTOWN	23	13	29	3	18	-7	.1	-.4	.1	4.2	64	2.2	56	90	56	0	7	1	0
OK OKLAHOMA CITY	35	17	58	7	26	-14	.2	-.2	.1	.9	32	.6	38	88	62	0	7	2	0
TULSA	33	17	54	6	25	-15	.2	-.2	.2	2.6	65	1.2	55	91	54	0	7	2	0
OR ASTORIA	46	32	55	27	39	-5	1.8	-.2	.9	16.8	62	14.2	90	95	67	0	4	3	2
BURNS	38	20	46	4	29	-4	1.1	1.1	.5	2.9	183	2.2	314	88	65	0	6	4	1
MEDFORD	55	35	61	22	45	3	.5	0	.3	3.9	47	3.1	67	95	46	0	2	4	0
PENDLETON	35	23	46	15	29	-10	.9	.6	.3	3.9	98	2.7	113	94	69	0	7	4	0
PORTLAND	45	31	54	25	38	-5	1.6	.6	.6	9.0	61	6.8	81	97	60	0	3	5	1
SALEM	45	30	56	22	38	-5	3.2	2.0	1.3	12.6	75	10.1	105	98	76	0	4	5	3
PA ALLENTOWN	30	16	36	6	23	-6	.5	-.3	.4	7.6	87	5.9	120	81	47	0	7	2	0
ERIE	24	13	32	8	18	-6	.1	-.4	0	6.7	98	3.8	106	90	62	0	7	4	0
HARRISBURG	30	18	35	9	24	-7	1.0	.3	.7	5.8	76	4.4	100	83	51	0	7	3	1
PHILADELPHIA	32	20	38	11	26	-6	.5	-.2	.4	7.2	89	6.2	135	82	51	0	7	2	0
PITTSBURGH	27	15	36	4	21	-7	.5	-.1	.2	6.6	99	4.3	105	83	49	0	7	5	0
SCRANTON	27	15	32	5	21	-5	.2	-.3	.2	5.4	92	3.5	106	87	48	0	7	3	0
RI PROVIDENCE	33	18	37	13	25	-3	.4	-.6	.3	9.0	86	7.6	127	82	42	0	7	2	0
SC CHARLESTON	57	39	70	27	48	-1	2.1	1.3	1.8	7.0	86	5.8	116	85	50	0	2	3	1
COLUMBIA	51	31	58	19	41	-5	1.1	.1	1.0	3.3	33	2.4	37	93	49	0	4	3	1
FLORENCE	52	34	58	22	43	-4	1.0	.1	.9	3.1	38	2.2	42	90	50	0	2	3	1
GREENVILLE	45	28	55	20	36	-7	.6	-.5	.4	3.3	32	1.9	30	92	50	0	6	3	0
SD ABERDEEN	8	-11	13	-21	-2	-17	.1	0	.1	1.1	87	.5	63	88	68	0	7	2	0
HURON	10	-8	19	-18	1	-16	.1	-.1	.1	1.2	90	.6	75	79	61	0	7	1	0
RAPID CITY	13	-2	24	-13	6	-20	.1	-.1	0	1.7	144	.9	129	87	68	0	7	3	0
SIOUX FALLS	13	-6	26	-13	3	-15	T	-.2	T	1.2	73	.7	78	82	65	0	7	1	0
TN CHATTANOOGA	42	27	60	16	35	-7	1.3	.2	.9	4.9	39	2.6	34	90	48	0	5	3	1
KNOXVILLE	38	22	53	9	30	-11	1.3	.2	.8	4.9	43	2.5	37	95	56	0	6	3	1
MEMPHIS	37	23	49	16	30	-13	1.1	.1	.6	6.5	55	3.2	46	91	56	0	6	3	1
NASHVILLE	32	20	39	12	26	-13	1.1	.1	.8	4.2	37	3.2	48	88	58	0	7	2	1
TX ABILENE	45	26	79	18	36	-12	T	-.3	T	1.6	65	1.5	100	87	53	0	5	2	0
AMARILLO	34	12	68	-12	23	-16	.2	.1	.2	1.3	101	1.0	125	95	63	0	6	2	0
AUSTIN	51	35	71	27	43	-10	.1	-.6	.1	2.7	53	1.6	53	91	54	0	3	2	0
BEAUMONT	58	39	75	26	48	-6	.1	-.9	.1	5.7	52	2.8	44	89	54	0	2	2	0
BROWNSVILLE	62	48	81	39	55	-7	.1	-.3	.1	1.7	51	1.3	59	98	72	0	0	3	0
CORPUS CHRISTI	58	43	75	35	51	-8	T	-.4	T	4.4	111	2.8	112	94	60	0	0	2	0
DEL RIO	58	38	77	30	48	-7	.1	-.2	0	1.8	116	1.8	180	81	40	0	2	2	0
EL PASO	61	35	74	29	48	0	.2	.1	.1	.5	44	.4	67	78	29	0	4	2	0
FORT WORTH	42	28	64	20	35	-13	.2	-.3	.2	3.1	71	2.5	93	86	57	0	6	1	0
GALVESTON	55	42	71	32	49	-7	.1	-.6	0	5.0	63	2.4	56	91	61	0	1	2	0
HOUSTON	55	39	75	28	47	-7	.8	-.1	.8	7.3	85	3.5	70	86	54	0	2	2	1
LUBBOCK	39	19	74	6	29	-13	.5	.4	.5	1.1	102	.9	129	99	69	0	6	2	0
MIDLAND	51	26	83	17	38	-9	T	-.1	T	.5	38	.4	57	93	48	0	5	1	0
SAN ANGELO	49	28	81	21	38	-11	T	-.2	T	.9	53	.9	82	93	54	0	5	0	0
SAN ANTONIO	54	36	76	27	45	-9	.1	-.4	0	3.4	85	3.3	127	87	49	0	3	2	0
VICTORIA	57	39	77	30	48	-8	.1	-.6	.1	4.2	80	1.8	58	94	55	0	2	2	0
WACO	46	30	68	24	38	-12	.2	-.3	.2	6.6	140	4.6	164	94	59	0	5	1	0
WICHITA FALLS	41	22	68	9	31	-13	.1	-.1	.1	1.2	46	1.1	79	85	55	0	7	2	0
UT BLANDING	38	19	45	4	28	-4	.7	.5	.5	1.5	48	1.5	79	89	67	0	6	2	1
CEDAR CITY	39	18	50	-7	29	-5	T	-.2	T	1.1	63	.7	64	90	56	0	4	1	0
SALT LAKE CITY	41	29	55	16	35	1	.2	-.2	.1	2.9	86	1.5	75	82	49	0	4	4	0
VT BURLINGTON	26	3	31	-8	15	-3	T	-.4	T	6.2	119	4.6	164	91	47	0	7	1	0
VA NORFOLK	39	28	45	17	33	-7	.8	0	.4	4.3	50	3.4	63	86	55	0	5	4	0
RICHMOND	37	24	44	16	31	-8	1.0	.2	.6	4.9	59	4.3	88	93	58	0	5	3	1
ROANOKE	35	23	48	15	29	-9	1.1	.3	.5	3.9	53	3.1	69	90	57	0	6	3	0
WA COLVILLE	33	18	36	7	26	-5	1.3	.9	1.2	5.7	102	4.9	158	94	78	0	7	2	1
QUILLAYUTE	45	31	49	23	38	-4	2.2	-.8	2.1	24.4	64	20.8	96	92	64	0	4	3	1
SEATTLE-TACOMA	45	32	53	29	39	-4	1.1	0	.9	12.4	84	10.6	125	87	52	0	4	3	1
SPOKANE	31	19	40	13	25	-7	.8	.4	.5	5.2	88	4.5	132	94	62	0	7	3	1
YAKIMA	36	22	39	19	29	-7	.6	.4	.2	3.6	112	2.6	137	95	61	0	7	4	0
WV BECKLEY	26	17	35	5	21	-10	.6	-.2	.3	5.0	59	3.2	63	96	67	0	7	6	0
CHARLESTON	32	19	39	10	25	-9	1.4	.6	.6	7.3	87	4.6	90	83	57	0	7	5	1
HUNTINGTON	29	18	37	7	23	-12	1.7	1.0	1.0	6.1	78	4.0	85	90	58	0	7	4	1
PARKERSBURG	27	17	34	3	22	-10	.9	.2	.3	6.0	74	4.2	79	92	60	0	7	3	0
WI GREEN BAY	16	-5	20	-8	5	-11	.1	-.1	.1	2.7	86	.9	53	84	55	0	7	3	0
LA CROSSE	12	-7	17	-14	2	-17	.4	.2	.2	2.2	89	1.0	71	85	56	0	7	2	0
MADISON	16	-3	22	-9	7	-13	.1	-.2	0	5.2	166	2.8	175	96	69	0	7	2	0
MILWAUKEE	20	2	25	-2	11	-11	.1	-.3	0	6.1	141	3.5	152	80	54	0	7	3	0
WAUSAU	15	-8	20	-11	3	-12	.2	0	.2	2.1	79	.9	64	79	49	0	7	2	0
WY CASPER	25	-1	47	-18	12	-14	T	-.1	T	2.0	156	1.0	125	81	58	0	6	2	0
CHEYENNE	30	1	56	-11	15	-14	.1	.1	.1	1.3	142	.5	83	82	49	0	6	2	0
LANDER	14	-9	47	-19	2	-23	.1	-.1	0	2.3	178	.7	88	87	66	0	7	2	0
SHERIDAN	15	-7	28	-19	4	-22	.1	-.2	.1	1.1	60	.7	64	89	62	0	7	1	0
PR SAN JUAN	84	68	85	66	76	0	T	-.5	T	4.3	51	2.3	58	92	52	0	0	0	0

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 2-15-1986
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	196	61	2	1980	-137	-158	-6	-7
AL MOBILE	MOB	136	46	-10	1232	-89	-218	-7	-15
AL MONTGOMERY	MGM	158	46	1	1612	-107	-29	-6	-2
AK ANCHORAGE	ANC	230	-102	-184	6441	-713	138	-10	2
AK BARROW	BRW	374	-220	-218	11832	-538	46	-4	0
AK FAIRBANKS	FAI	323	-166	-264	8995	-902	136	-9	2
AK JUNEAU	JNU	228	-33	-114	5605	-267	17	-5	0
AK KODIAK	ADQ	196	-56	-116	5167	-259	480	-5	10
AK NOME	OME	221	-213	-268	7723	-1123	-165	-13	-2
AZ FLAGSTAFF	FLG	260	18	29	4263	-246	-470	-5	-10
AZ PHOENIX	PHX	70	0	47	675	-414	-305	-38	-31
AZ PRESCOTT	PRC	185	3	22	2778	-377	-464	-12	-14
AZ TUCSON	TUS	89	5	40	985	-265	-360	-21	-27
AZ WINSLOW	INW	179	-11	1	3093	-298	-147	-9	-5
AZ YUMA	YUM	51	7	34	448	-321	-342	-42	-43
AR FORT SMITH	FSM	250	88	36	2531	-34	-202	-1	-7
AR LITTLE ROCK	IMI	247	96	56	2258	-87	-296	-4	-12
CA BAKERSFIELD	BFL	77	-9	-18	1665	110	-227	7	-12
CA EUREKA	EKA	86	-26	-23	2548	-277	18	-10	1
CA FRESNO	FAT	75	-28	-23	1603	-289	-330	-15	-17
CA LOS ANGELES	LAX	72	15	44	640	-281	-306	-31	-32
CA RED BLUFF	RBL	111	8	27	1926	76	-156	4	-7
CA SACRAMENTO	SAC	83	-21	-26	1848	-45	-150	-2	-8
CA SAN DIEGO	SAN	63	14	31	591	-170	-122	-22	-17
CA SAN FRANCISCO	SFO	71	-22	-28	1743	-201	-133	-10	-7
CA STOCKTON	SCK	94	-10	-18	1957	75	-218	4	-10
CO DENVER	DEN	287	66	68	4118	190	-283	5	-6
CO GRAND JUNCTION	GJT	231	7	1	3707	-311	-131	-8	-3
CO PUEBLO	PUB	271	61	72	4044	311	11	8	0
CT BRIDGEPORT	BDR	277	32	40	3528	21	107	1	3
CT HARTFORD	BDL	301	33	46	4120	-10	34	0	1
DE WILMINGTON	ILG	274	46	60	3147	-212	-129	-6	-4
DC WASHINGTON	DCA	252	54	30	2739	-125	-105	-4	-4
FL APALACHICOLA	APQ	84	1	-48	969	-114	-108	-11	-10
FL DAYTONA BEACH	DAB	49	-7	-52	642	-34	-11	-5	-2
FL FORT MEYER	FMY	22	-9	-34	237	-116	-57	-33	-19
FL JACKSONVILLE	JAX	89	10	-44	991	-101	-108	-9	-10
FL KEY WEST	EYW	2	-6	-11	69	-27	13	**	**
FL MIAMI	MIA	12	-6	-32	171	7	-44	4	-20
FL ORLANDO	MCO	43	-3	-45	473	-47	-130	-9	-22
FL TALLAHASSEE	TLH	120	35	-20	1257	-10	81	-1	7
FL TAMPA	TPA	44	-5	-33	487	-84	-74	-15	-13
FL WEST PALM BEACH	PBI	18	-3	-43	224	13	-68	6	-23
GA ATLANTA	ATL	187	42	-11	1875	-329	-246	-15	-12
GA AUGUSTA	AGS	154	27	-20	1683	-228	-61	-12	-3
GA MACON	MCN	147	31	-29	1616	-109	-100	-6	-6
GA SAVANNAH	SAV	120	22	-33	1272	-194	-119	-13	-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	0	0	-1	**	**
ID BOISE	BOI	204	-1	-38	5039	1150	144	30	3
ID LEWISTON	LWS	238	51	32	4347	670	214	18	5
ID POCATELLO	PIH	258	7	-12	5571	891	36	19	1
IL CHICAGO	ORD	388	109	50	4767	439	2	10	0
IL MOLINE	MLI	416	131	80	4829	364	158	8	3
IL PEORIA	PIA	404	131	73	4458	167	91	4	2
IL QUINCY	UIN	390	133	66	4213	200	26	5	1
IL ROCKFORD	RFD	408	111	68	5068	351	140	7	3
IL SPRINGFIELD	SPI	378	124	68	4048	131	-53	3	-1
IN EVANSVILLE	EVV	327	111	39	3295	-54	-157	-2	-5
IN FORT WAYNE	FWA	366	89	59	4290	41	190	1	5
IN INDIANAPOLIS	IND	338	87	32	3891	3	44	0	1
IN SOUTH BEND	SBN	365	89	53	4390	146	189	3	4
IA DES MOINES	DSM	420	131	79	5072	549	282	12	6
IA DUBUQUE	DBQ	438	127	97	5683	676	623	14	12
IA SIOUX CITY	SUX	396	98	71	5221	397	310	8	6
IA WATERLOO	ALO	468	148	102	5690	530	446	10	9
KS CONCORDIA	CNK	318	75	10	4098	196	-169	5	-4
KS DODGE CITY	DDC	312	99	79	3761	249	52	7	1
KS GOODLAND	GLD	324	90	79	4270	193	-82	5	-2
KS TOPEKA	TOP	320	88	19	3909	146	-102	4	-3
KS WICHITA	ICT	307	93	66	3547	147	-80	4	-2
KY BOWLING GREEN	BWG	307	108	51	2892	-175	-294	-6	-9
KY LEXINGTON	LEX	312	93	29	3133	-210	-285	-6	-8
KY LOUISVILLE	SDF	298	90	32	3024	-155	-218	-5	-7
LA ALEXANDRIA	AEX	158	55	33	1384	-123	-130	-8	-9
LA BATON ROUGE	BTR	136	49	10	1163	-147	-270	-11	-19
LA LAKE CHARLES	LCH	137	54	23	1144	-88	-211	-7	-16
LA NEW ORLEANS	MSY	123	40	0	1059	-103	-223	-9	-17
LA SHREVEPORT	SHV	185	74	47	1606	-115	-120	-7	-7
ME CARIBOU	CAR	366	-5	102	6241	-20	157	0	3
ME PORTLAND	PWM	308	9	58	4546	-257	-165	-5	-4
MD BALTIMORE	BWI	269	51	54	3063	-147	-43	-5	-1
MD SALISBURY	SBY	250	47	23	2764	-211	-179	-7	-6
MA BOSTON	BOS	265	20	37	3617	10	-123	0	-3
MA CHATHAM	CHH	236	-3	18	3350	-256	-104	-7	-3
MI ALPENA	APN	361	27	31	5358	25	88	0	2
MI DETROIT	DTW	346	66	44	4399	54	27	1	1
MI FLINT	FNT	371	74	68	4725	123	281	3	6
MI GRAND RAPIDS	GRR	351	56	27	4709	169	191	4	4
MI HOUGHTON LAKE	HTL	377	43	46	5395	42	182	1	3
MI LANSING	LAN	378	80	47	4817	230	45	5	1
MI MARQUETTE	MQT	401	41	23	6471	363	309	6	5
MI MUSKEGON	MKG	326	34	6	4549	91	3	2	0
MI SAULT ST MARIE	SSM	384	23	20	6015	123	45	2	1
MN ALEXANDRIA	AXN	471	95	56	6576	393	187	6	3
MN DULUTH	DLH	453	77	61	7041	540	531	8	8
MN INT'L FALLS	INL	467	57	20	7467	353	113	5	2
MN MINNEAPOLIS	MSP	449	111	84	6013	552	333	10	6
MN ROCHESTER	RST	456	115	74	6266	676	505	12	9
MN SAINT CLOUD	STC	475	111	84	6583	514	383	8	6
MS GREENWOOD	GWO	205	75	42	1839	-201	-294	-10	-14
MS JACKSON	JAN	189	70	24	1738	-62	-175	-3	-9
MS MERIDIAN	MEI	179	62	22	1778	-85	11	-5	1
MO CAPE GIRARDEAU	CGI	307	103	57	3003	-164	-342	-5	-10
MO COLUMBIA	COU	356	124	64	3744	106	-172	3	-4
MO KANSAS CITY	MCI	345	110	39	4051	335	-77	9	-2
MO SAINT LOUIS	STL	335	112	55	3350	-132	-255	-4	-7
MO SPRINGFIELD	SGF	329	123	61	3337	67	-125	2	-4
MT BILLINGS	BIL	391	133	114	5096	341	-313	7	-6
MT GLASGOW	GGW	485	136	101	6593	575	-52	10	-1
MT GREAT FALLS	GTF	438	169	139	5665	589	-211	12	-4
MT HAVRE	HVR	481	159	98	6164	330	-500	6	-8
MT HELENA	HLN	399	124	66	6255	857	91	16	1
MT KALISPELL	FCA	363	90	39	6224	678	83	12	1
MT MILES CITY	MLS	410	105	61	5694	328	-481	6	-8
MT MISSOULA	MSO	315	54	47	5928	714	412	14	7
NE GRAND ISLAND	GRI	376	108	59	4699	207	-9	5	0
NE LINCOLN	LNK	388	114	59	4631	186	16	4	0
NE NORFOLK	OFK	398	104	74	5077	235	222	5	5
NE NORTH PLATTE	LBF	405	138	98	5115	427	-15	9	0
NE OMAHA	ONA	394	125	63	4826	487	186	11	4
NE SCOTTSBLUFF	BFF	417	171	152	5181	702	282	16	6
NE VALENTINE	VTN	402	113	89	5499	565	285	11	5
NV ELY	ELY	248	-8	-33	4902	20	-417	0	-8
NV LAS VEGAS	LAS	113	6	6	1559	-332	-534	-18	-26
NV RENO	RNO	174	-20	-3	3749	-170	-244	-4	-6
NV WINNEMUCCA+	WMC	190	-16	-57	4451	274	-421	7	-9
NH CONCORD	CON	328	23	67	4817	-101	32	-2	1
NJ ATLANTIC CITY	ACY	275	47	39	3138	-195	-59	-6	-2
NM ALBUQUERQUE	ABQ	203	19	27	2857	-278	-580	-9	-17
NM CLOVIS	CVS	259	86	88	2880	10	-266	0	-8
NM ROSWELL	ROW	216	79	77	2303	-62	-426	-3	-16
NY ALBANY	ALB	319	22	42	4557	-35	219	-1	5
NY BINGHAMTON	BGM	343	39	53	4723	-28	260	-1	6
NY BUFFALO	BUF	324	36	39	4260	-110	-113	-3	-3
NY NEW YORK	LGA	257	30	30	3048	-183	-23	-6	-1
NY ROCHESTER	ROC	331	42	57	4420	81	259	2	6
NY SYRACUSE	SYR	320	28	62	4383	-23	-86	-1	-2
NC ASHEVILLE	AVL	236	50	-3	2788	-189	-200	-6	-7
NC CAPE HATTERAS	HAT	159	19	-26	1454	-325	-268	-18	-16
NC CHARLOTTE	CLT	198	39	-2	2208	-200	-191	-8	-8
NC GREENSBORO	GSO	225	45	11	2551	-194	-165	-7	-6
NC NEW BERN	EWN	182	41	7	1686	-368	-221	-18	-12
NC RALEIGH DURHAM	RDU	214	46	10	2276	-238	-233	-9	-9
NC WILMINGTON	ILM	155	28	2	1486	-310	-84	-17	-5
ND BISMARCK	BIS	444	85	53	6506	361	-82	6	-1
ND FARGO	FAR	472	87	32	6813	487	286	8	4
ND GRAND FORKS	GFK	486	90	48	7239	582	539	9	8
ND WILLISTON	ISN	445	88	55	6509	258	-423	4	-6
OH AKRON-CANTON	CAK	324	54	19	4059	-72	-133	-2	-3
OH CLEVELAND	CLE	315	46	7	4046	-12	-137	0	-3
OH COLUMBUS	CMH	316	63	10	3647	-225	-277	-6	-7
OH CINCINNATI	CVG	323	88	35	3508	-112	-114	-3	-3
OH DAYTON	DAY	336	82	27	3819	-54	-279	-1	-7
OH TOLEDO	TOL	350	70	30	4315	-57	-122	-1	-3
OH YOUNGSTOWN	YNG	328	49	19	4153	-156	-131	-4	-3
OK OKLAHOMA CITY	OKC	271	97	77	2745	33	-235	1	-8
OK TULSA	TUL	277	103	68	2699	-34	-218	-1	-7
OR ASTORIA	AST	179	32	23	3400	232	-38	7	-1
OR BURNS	4BW	267	46	3	5918	1410	213	31	4
OR MEDFORD	MFR	136	-23	-14	3149	6	-30	0	-1
OR PENDLETON	PDT	249	68	41	4615	1053	452	30	11
OR PORTLAND	PDX	187	33	31	3328	317	222	11	7
OR SALEM	SLE	189	32	23	3447	329	52	11	2
PA ALLENTOWN	ABE	293	37	40	3750	-150	105	-4	3
PA ERIE	ERI	325	39	42	3897	-383	-120	-9	-3
PA HARRISBURG	CXY	285	45	41	3490	-129	149	-4	4
PA PHILADELPHIA	PHL	269	41	42	3134	-208	-129	-6	-4
PA PITTSBURGH	PIT	304	44	12	3788	-213	-145	-5	-4
PA SCRANTON	AVP	307	35	38	4090	-119	135	-3	3
RI PROVIDENCE	PVD	276	21	42	3664	-156	-110	-4	-3
SC CHARLESTON	CHS	118	7	-42	1366	-231	-245	-14	-15
SC COLUMBIA	CAE	165	35	-21	1836	-116	-159	-6	-8
SC FLORENCE	FLO	153	24	-20	1577	-311	-446	-16	-22
SC GREENVILLE	GSP	198	44	8	2217	-124	-111	-5	-5
SD ABERDEEN	ABR	462	111	81	6448	604	355	10	6
SD HURON	HON	445	111	87	6187	657	616	12	11
SD RAPID CITY	RAP	411	135	126	5535	731	472	15	9
SD SIOUX FALLS	FSD	428	101	74	6037	643	619	12	11
TN CHATTANOOGA	CHA	213	48	-10	2313	-279	-291	-11	-11
TN KNOXVILLE	TYS	242	72	-8	2588	-59	-218	-2	-8
TN MEMPHIS	MEM	244	89	58	2202	-163	-189	-7	-8
TN NASHVILLE	BNA	269	91	40	2530	-177	-325	-7	-11
TX ABILENE	ABI	202	79	70	1986	0	-333	0	-14
TX AMARILLO	AMA	290	109	108	3164	186	-66	6	-2
TX AUSTIN	AUS	154	63	58	1181	-190	-313	-14	-21
TX BROWNSVILLE	BRO	70	35	25	432	-70	-220	-14	-34
TX CORPUS CHRISTI	CRP	99	43	26	707	-77	-254	-10	-26
TX DEL RIO	DRT	116	40	30	1140	-98	-295	-8	-21
TX EL PASO	ELP	117	-3	-18	2035	-21	-232	-1	-10
TX FORT WORTH	DFW	206	92	64	1850	101	-242	6	-12
TX GALVESTON	GLS	113	43	12	847	-110	-272	-11	-24
TX HOUSTON	IAH	124	45	12	1017	-193	-282	-16	-22
TX LUBBOCK	LBB	249	88	90	2528	-34	-191	-1	-7
TX MIDLAND ODESSA	MAF	184	60	42	2039	23	-363	1	-15
TX BEAUMONT	BPT	116	39	29	985	-177	-119	-15	-11
TX SAN ANGELO	SJT	187	76	55	1737	-47	-435	-3	-20
TX SAN ANTONIO	SAT	138	54	42	1136	-133	-288	-10	-20
TX VICTORIA	VCT	116	46	36	881	-125	-236	-12	-21
TX WACO	ACT	189	83	60	1580	-42	-266	-3	-14
TX WICHITA FALLS	SPS	236	93	85	2310	53	-265	2	-10
UT BLANDING	4BL	254	27	30	3862	-226	-313	-6	-7
UT CEDAR CITY	CDC	252	33	33	3926	5	-182	0	-4
UT SALT LAKE CITY	SLC	209	-11	-60	4035	112	-152	3	-4
VT BURLINGTON	BTV	351	17	54	5122	-75	178	-1	4
VA LYNCHBURG	LYH	248	50	17	2862	-155	90	-5	3
VA NORFOLK	ORF	220	48	16	2140	-225	-195	-10	-8
VA RICHMOND	RIC	239	52	31	2552	-244	-141	-9	-5
VA ROANOKE	ROA	251	57	23	2783	-233	-73	-8	-3
WA COLVILLE	63S	275	34	22	5199	384	-141	8	-3
WA QUILLAYUTE	UIL	186	25	11	3809	175	-55	5	-1
WA SEATTLE-TACOMA	SEA	183	27	11	3376	149	-66	5	-2
WA SPOKANE	GEG	278	48	32	5382	806	190	18	4
WA WALLA WALLA	ALW	256	84	60	4361	1054	366	32	9
WA YAKIMA	YKM	249	44	4	5089	954	287	23	6
WV BECKLEY	BKW	304	70	13	3456	-322	-125	-9	-3
WV CHARLESTON	CRW	276	64	9	2789	-484	-329	-15	-11
WV HUNTINGTON	HTS	289	79	9	2963	-304	-333	-9	-10
WV PARKERSBURG	PKB	297	74	17	3307	-105	-48	-3	-1
WI GREEN BAY	GRB	415	78	72	5692	319	342	6	6
WI LACROSSE	LSE	435	113	72	5712	571	281	11	5
WI MADISON	MSN	408	91	67	5534	394	292	8	6
WI MILWAUKEE	MKE	375	76	47	4934	173	132	4	3
WI WAUSAU	AUW	431	82	75	6075	361	391	6	7
WY CASPER	CPR	367	98	87	5397	464	-206	9	-4
WY CHEYENNE	CYS	345	95	98	4887	283	-423	6	-8
WY LANDER	LND	434	157	187	6029	823	459	16	8
WY SHERIDAN	SHR	424	149	98	5488	349	-544	7	-9

National Agricultural Summary

FEBRUARY 10-16, 1986

HIGHLIGHTS: Snow protected wheat from cold temperatures early in the week. However, warm temperatures melted most of the snow cover from Kansas southward and through the lower Corn Belt, leaving wheat and other small grains vulnerable to cold weather. Heavy rain saturated much of the west coast, especially California. Fruit growers were concerned about the affect of the rain on pollination and the increased potential for disease. Peaches, plums, nectarines, and almonds were in bloom. Soil moisture was adequate in most areas of the Nation, but precipitation hindered field activity. Livestock was mostly good. The cold weather stress livestock and increased supplemental feeding.

SMALL GRAINS: Winter wheat and small grains were mostly good to fair. Wheat in the northern third of the Nation was protected from cold temperatures. During the low temperatures, wheat in the central Plains, lower Corn Belt, and in Texas was under snow and received minimal damage. However, most of the snow melted in these areas later in the week, leaving wheat and other small grains unprotected from the cold weather. As weather permitted, topdressing was active in the southeast and reached as far north as Kansas.

In Kansas, wheat remained susceptible to freeze damage with wide variations in temperatures. Most of the snow melted, but the moisture should help prevent soil blowing. Additional snow served as protection and provided needed moisture for wheat in Nebraska. Crop condition was good. Oklahoma's wheat was good to fair. Early-week snow improved moisture and protected wheat from low temperatures. Wheat growth resumed as warm temperatures returned late in the week. Wheat was fair to good in Texas. Moisture and warmer temperatures promoted growth in most areas of the State. The cold temperatures reduced greenbug pressures but caused some losses to oats. Arizona wheat was jointing, and crop condition was good. In California, rain impeded small grain herbicide application. Some small grains showed excess moisture stress.

OTHER CROPS: Precipitation slowed fieldwork in most areas of the Nation. Farmers tilled light soils in Kansas. California and Arizona cotton growers continued seedbed preparation for the 1986 cotton. A few fields of cotton and corn were planted in western Arizona. Many producers in Texas, completed land preparation for grain sorghum planting. Early planted corn was emerging and planting should increase as the ground dries. California rice growers flooded fields with seeding expected within a few weeks.

Tobacco bed seeding continued in North Carolina. Georgia's tobacco plants were good. Tobacco plants grew well in Florida.

Florida's sugarcane harvest was well advanced. Young cane frozen back by January cold temperatures was growing-out. Planting continued for next season's crop.

FRUIT AND NUTS: Rain delayed orchard and vineyard work in California's northern and central areas. The rain came during bloom of plums, peaches, nectarines, and almonds. Almonds were in peak bloom. Growers were concerned about pollination and the potential for disease. The north coast and Sacramento Valley areas were hit the hardest. Citrus harvest advanced with some weather delays. Navel orange grade-out remained higher than normal. Lemons and tangelos were harvested in Fresno and Tulare Counties. Arizona's citrus growers shipped lemons, Valencia and sweet oranges, grapefruit, and tangerines. Some apple orchards were pruned and pecans were shipped. Citrus trees bloomed in Texas. The colder weather held back early blooming peaches in the Hill country, but cold temperatures damaged early bloomers in east Texas. Florida's citrus groves were good. Moisture was adequate in most northern growing areas, but southern localities were dry and under irrigation. New growth and bloom buds were abundant in well-cared for groves. Orange harvest was active, and grapefruit movement increased. Temple orange harvest was steady but lagged behind normal.

VEGETABLES: Florida vegetable harvest continued at reduced levels. Shipment increased for cabbage, carrots, cauliflower, Chinese cabbage, sweet corn, escarole, lettuce, potatoes, radishes, and tomatoes. Beans, celery, cucumbers, eggplant, peppers, squash, and strawberries were down or held steady. Spring planting was ending in the southeast but was active in the southwest and west central. In Texas, cold weather slowed vegetable harvest in the Rio Grande Valley. Rain alleviated the need for irrigation in the San Antonio-Winter Garden area. Harvest progress was normal with slight delay because of weather. In Arizona, spring lettuce was planted and thinned in Pima and Cochise Counties. Potatoes, watermelons, and cantaloups were seeded in Maricopa County and melons in La Paz County. Seedbeds were prepared for spring crops in Yuma. Vegetable harvest was seasonally active. California broccoli harvest decreased in the desert as a few shippers were finished. Broccoli was fairly light from Salinas and Santa Maria with variable quality. Carrot marketing slowed slightly but digging was active in the Imperial and Coachella Valleys. Celery harvest was very light in Santa Maria, active in the Imperial Valley, and finished in the Coachella Valley.

PASTURES AND LIVESTOCK: Pastures were mostly fair. Cold temperatures slowed growth in most areas. Livestock was mostly good. The cold weather stressed livestock and increased supplemental feeding. In some areas, the cold weather added additional pressure on already short hay supplies.

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 totals 1.00 to 2.00 in. Temperatures average 5 to 10° below normal.
Soil moisture adequate. Livestock, poultry generally good.

ARKANSAS: Cold air over State most of week. Snow, sleet, freezing rain blanketed State on 10th. By end of week rapid warm-up set in. Temperature extremes -1°; 79°. Rainfall 0.10 to 0.96 in.
Land preparation slowed slightly. Wheat, oats good. Livestock on supplemental feeding.

ARIZONA: Partly cloudy skies, slow warming trend 10th to 14th. Pacific storm moved into State 15th, 16th. Snow level dropped from 8,000 to 6,000 ft. Snowfall amounts varied from 4 to 12 in. Flagstaff, Grand Canyon to 1 to 5 in. White Mountains. Moisture amounts ranged from 0.10 in. extreme south to 0.50 to 1.00 in. over Central Basins, mountains. Average temperatures varied from 4° below to 2° above seasonal normals.
Wheat, barley seeding virtually completed, stands established on 98% of acreage. Crops good, began jointing. Seedbed preparation for 1986 cotton continued. Pre-irrigation, herbicide application took place. Few fields planted west. Southeast 1985 crop plowdown activities winding down. Alfalfa fair to good; harvest light, sheep grazing slowed considerably, except west. Weed, insect problems rated light to moderate. Corn planted west. Safflower stands good. Spring lettuce planted, thinned Pima, Cochise Counties. Maricopa County potatoes, watermelons, cantaloups planted. Spring melons planted La Paz County. Vegetable harvest seasonally active. Seedbed preparation for spring crops continued Yuma County. Citrus shipping from Phoenix, Yuma consisted of lemons, Valencia oranges, sweet oranges, grapefruit, tangerines. Apple pruning, pecan shipping took place.

CALIFORNIA: Week started off dry and cool, ended wet, windy, mild. By end of week storms moved into State. Few locations recorded over 5.00 in. of rain with many over 1.00 in. Temperatures near normal for State.
Rains impeded fieldwork; herbicide application, small grains. Some stress from excess moisture. Pre-irrigation drier areas. Rice fields flooded with seeding next few weeks. Sugarbeets progressed with warmer temperatures. Orchard, vineyard work delayed by presistent rain central, northern areas. North coast, Sacramento Valley hardest hit. Rains, came during bloom of plums, peaches, nectarines. Growers concerned about pollination, disease potential. Almond pollination Sacramento, northern San Joaquin Valleys hindered by rain during peak blossom. Southern San Joaquin Valley escaped much of adverse weather. Citrus harvest continued, some weather delays. Navel orange grade out higher than normal. Lemon, tangelo harvests continue Fresno, Tulare Counties. Asparagus desert high volume fair demand. Broccoli desert decreased as few shippers finished. Supplies fairly light Salinas, light Santa Maria variable quality. Carrot digging active Imperial-Coachella Valley area while marketings slowed slightly. Cauliflower harvest light Salinas, Santa Maria variable quality; volume decreased desert. Celery very light Santa Maria, while fairly active Imperial Valley. Harvest Coachella Valley finished. Lettuce active Imperial Valley with range quality. Palo Verde light supply, demand. Spring plantings San Joaquin doing very well. Fall potato movement below last year. Prices low, demand moderate. Harvested White Rose and Red varieties, Riverside County good quality and demand. Fresh market, processing tomato planting continued San Joaquin. Range, pasture saturated as result of recent rains. Stock ponds overflowing many areas. Warmer temperatures gave grass boost. Calving, lambing active northern districts.

COLORADO: Series of storms brought large amounts of new snow mountains, varied precipitation amounts western valley and only trace of new snow east. Eastern Foothills experienced winds over 75 mph. Average temperatures near normal west, 10° below normal eastern part of State. Strong downslope winds near Foothills brought warmer temperatures that area latter part of week.
Wheat remains mostly good although high winds, especially along front range reduced topsoil moisture and caused some soil erosion. Major activities care, feeding of livestock.

FLORIDA: Heavy rains north on 10th moved to central area, 11th, then dissipated with only spotty light rains south. Rain amounts averaged 2.00 to 3.00 in. north, 1.00 to 2.00 in. central, with less than 0.10 in. south. Dry, colder weather followed. Strong cold front 11th with freezing, frost, north 13th, 14th. Scattered frost central 14th, again north, 16th. Few light showers north, mostly, seasonal weather 15th, 16th. Soils continued very wet most of Panhandle, north. Moisture supplies some higher ground Peninsula areas, mostly south becoming short, elsewhere mostly adequate.
North fieldwork topdressing of small grains, land preparation for spring planting sharply curtailed because of wet soils. Fertilizer leaching small grains, some of which topdressed before heavy rains. Most tobacco plants in beds growing well. Sugarcane harvest well advanced. Young cane frozen back by late January cold growing out. Planting continued for next season's crop. Pasture conditions improved due to warmer temperatures, adequate rainfall, conditions fair statewide. Growth continued limited some small grain pastures because of disease problems. Cattle varied fair to good. Citrus groves good. Moisture adequate most northern growing areas; southern localities dry; irrigation underway. New growth, bloom buds abundant in well cared for groves. Orange harvest continued active. Grapefruit movement increasing. Temple harvest steady but lagging. Picking of tangelos virtually finished. Mild temperatures vegetable areas early week followed by cold front midweek with lows in 30s west central, southwest to 40s southeast. Rain with front moderate west central, light to very light southeast. Winds light to moderate with front, warming by end of period. Harvest continued at reduced levels, however, shipments increased over previous week. Higher volume of cabbage, carrots, cauliflower, Chinese cabbage, sweet corn, escarole, lettuce, potatoes, radishes, tomatoes offset lower to steady supply beans, celery, cucumbers, eggplant, peppers, squash, strawberries. Spring planting ending southeast; active southwest, west central.

GEORGIA: Temperatures 5 to 10° below normal north and central, 2 to 5° below normal south. Coldest mid and late week. Lowest temperature teens north to near 30° along coast. Temperatures 60s and 70s central and south on 16th. Rain 1.00 in. or less north and central,

1.00 to 3.00 south, over 6.00 in. Tifton Experiment Station on 10th. Frozen precipitation northern mountains 14th.

Soil moisture short north central; adequate central, north; surplus southwest, southeast. Land preparation delayed southwest and southeast due to moisture, elsewhere active. Small grain topdressing well underway most areas. Wheat, rye, other small grains mostly fair to good. Tobacco plants good. Pasture poor to fair. Cattle fair to good. Hogs mostly good.

HAWAII: No Data Available

IDAHO Cold temperatures early week kept averages below normal. Readings from 2 to 5° below normal southwest to 5 to 9° below normal north, east. Wet last half of week brought averages above normal southern two-thirds. Dry week north kept averages below normal.

Weather conditions kept farm activity at minimum during week. General maintenance, livestock care continued with livestock good. Feed supplies short many areas but have not reached critical levels. Potato producers continued to sort through cellars for damaged tubers, shipping some seed stock.

ILLINOIS: Temperatures 14 to 25° below normal. Precipitation none to 0.50 in.; mostly 0.10 to 0.30 in. Statewide precipitation 0.30 in. below normal.

Soil moisture 38% short, 61% adequate, 1% surplus. Winter wheat 2% poor, 47% fair, 49% good, 2% excellent; very little snow cover. Livestock mostly good. Hay supplies adequate.

INDIANA: Unusually cold until weekend. Subzero readings with average temperatures 10 to 15° below normal. Precipitation below normal, totals averaged 0.10 to 0.30 in. north to 0.30 to 0.50 in. south.

Snow cover offered protection from below normal temperatures early period. Warmer weather later week returned soils to muddy condition. Activities: Topdressing wheat, hauling manure, seeding clover and grass, caring for livestock, usual chores. Wheat looking good most areas, but concern about condition continued in places that lacked snow cover earlier this winter.

IOWA: Cold dry week. Temperatures averaged 15 to 20° subnormal, precipitation negligible. Snow cover end of week 10 to 15 in. northeast to 1 to 5 in. south, west.

Cold temperatures stressful on livestock. Farmers busy with general livestock care, grain movement, other normal winter chores.

KANSAS: Precipitation averaged 0.05 in. northwest quarter to 0.30 in. southeast quarter. Temperatures averaged 21° northeast, 27° southeast, 22 to 25° elsewhere.

Wheat remains susceptible to freeze damage with wide swings in temperature. Snow received mostly melted. Precipitation will help to prevent soil blowing. Some topdressing wheat, some field tillage on lighter soils. Calving, lambing underway under favorable weather conditions. Livestock in feedlots making good gains.

KENTUCKY: Very cold, temperatures averaged 10 to 15° below normal. Significant warming arrived on 16th. Two snow storms, one storm early, second brought several inches snow on 14th. Precipitation amounts mostly 0.50 to 1.00 in., heavier totals extreme east. Cumberland Gap along Virginia border recorded 1.70 in.

Most snow cover of year, but rain and warm temperatures melted most accumulations. Little or no agricultural activitiy. February precipitation brought soil moisture to ample most areas. Current warm weather could cause a dangerous break in dormancy. Livestock satisfactory, feed supplies adequate.

LOUISIANA: Extremely cold temperatures prevailed across State most of week with temperatures 8 to 12° below normal. Temperature extremes 17° Calhoun; 79° Natchitoches. Precipitation amounts averaged less than 0.50 in., heaviest southeast part of State. Bogalusa reported 1.52 in. as heaviest weekly amount.

Main activities: Routine chores, caring for livestock, preparing for spring planting.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 6° below normal over State; lowest temperature -5° Oakland; highest temperature 47° Salisbury. Precipitation averaged 0.56 in., ranging from 0.29 to 1.19 in.

Fieldwork no days suitable. Topsoil moisture surplus, subsoil moisture adequate. Small grains fair to good. Farmers' main activities: Equipment maintenance, attending trade meetings, stripping tobacco.

Delaware: Temperatures averaged 5° below normal over State; lowest temperature 11° Wilmington, Milford, Dover; highest temperature 45° Georgetown. Precipitation averaged 0.46 in., ranging from 0.45 to 0.46 in.

Fieldwork no days suitable. Topsoil moisture surplus, subsoil moisture adequate. Small grains fair to good. Farmer's main activities: Equipment maintenance, attending trade meetings.

MICHIGAN: Temperatures averaged 7° below normal across State. Highs ranged from mid 20s to lower 30s, lows from 2° above to 13° below zero. Precipitation light statewide.

Major farm activities include marketing grain, hauling manure, attending farm meetings, pruning fruit trees, plowing snow, equipment repair. Livestock good. Feed supplies adequate. Calving underway. Snow covers entire State. Small grain fields good condition.

MINNESOTA: Very cold entire State; snowy last half week, southern portion. Temperatures averaged 8 to 15° below normal. Temperature extremes -30°; 26°. Precipitation averaged 0.18 in. below normal to 0.16 in. above normal, greatest weekly total 0.78 in. Snow depth, weeks end averaged 7 to 17 in.

Thick snow cover kept some standing corn unharvested, given good protection to winter dormant crops. Livestock generally good.

MISSISSIPPI: Average temperature 10° below normal. Extremes 8°; 76°. Snow, ice north early week. Thundershowers late week. Greatest 24-hour rainfall 1.72 in.

Fieldwork 3.0 days suitable. Soil moisture short to surplus. Equipment maintenance and farm planning main activities. Livestock fair to good. Wheat, pasture fair. Supplies of hay and feed grains adequate.

MISSOURI: Temperatures averaged 16° below normal, ranging 14° below normal southeast to 19° below normal northeast. Precipitation ranged 0.25 to 0.50 in. as snow. Snow 4 to 6 in. between Springfield and St. Louis.

Recent precipitation will help restore topsoil moisture. Activities limited to livestock care, planning for spring fieldwork.

MONTANA: Very cold week. Temperatures 10 to 15° below normal west and southwest; 15 to 25° below elsewhere. Average temperature north central and northeast 3° below zero. Moderate to heavy precipitation west for first time in over two months. Precipitation west ranged from 0.50

in. to nearly 2.00 in. Southwest, central received 0.25 to 1.00 in. Eastern areas had from 0.20 to less than 0.05 in.

Snow cover protection restored to major winter wheat areas. Winter wheat 7% poor, 51% fair, 42% good. Calving, lambing difficult because of rain, snow, cold temperatures. Grazing closed or difficult most areas. Feed demand increasing.

NEBRASKA: Week cold, warming end of week. Temperatures averaged 12 to 19° below normal. Precipitation ranged from 0.10 to 0.20 in.

Added snow cover served as protection and needed moisture for winter wheat, still good condition. Financial planning, tax preparation among main activities along with livestock care, general chores.

NEVADA: Week began with above normal temperatures and mostly sunny skies. Major tropical storms moved into western and northern areas on 14th followed by torrential rains valley floors snow high elevations on 15th, 16th, 17th. Mud slides, flooding, road washouts common west and north. Storm fronts worst on record since 1963.

Flooding agricultural areas endangered livestock. Soggy, mud fields made livestock feeding operations extremely difficult.

NEW ENGLAND: Temperatures averaged 1 to 3° below normal across northern areas and 3 to 5° below normal southern areas. Average temperatures ranged from lower teens northern parts of Maine, New Hampshire, Vermont to mid 20s south coast. Most of precipitation as light snow. Precipitation (water equivalent) less than 0.10 in. northern areas, 0.10 to 0.30 in. elsewhere.

Farmers shipping fruit and potatoes, tending to routine winter chores and livestock.

NEW JERSEY: Temperatures below normal, averaging 19° north, 24° south, 27° coastal. Extremes -10°; 45°. Precipitation below normal north and south, near normal coastal, averaging 0.43 in. north, 0.58 in. south, 0.72 in. coastal. Heaviest 24-hour total, 0.85 in. on 14th, 15th. Heaviest 24-hour snowfall 6 in. on 11th, 12th. Depth of snow on ground 17th ranged from 1 to 7 in.

Several light snows limited outside work except for snow plowing, shoveling. Main activities consisted of caring for livestock, repairing machinery.

NEW MEXICO: Average weekly temperatures from 12° below normal, northeastern Plains, to few degrees above normal, southwest. Light precipitation statewide. Some northern mountainous areas received heavy snow.

Days suitable for fieldwork 4.1. Soil moisture 36% short, 56% adequate, 8% surplus. Barley 20% poor, 30% fair, 50% good. Irrigated wheat 21% poor, 43% fair, 36% good. Dryland wheat 43% poor, 57% fair. Lettuce 100% good. Onions 100% good. Cattle 58% fair, 42% good. Sheep 50% fair, 50% good. Range 4% very poor, 20% poor, 68% fair, 8% good.

NEW YORK: Temperatures generally well below average, temperatures did not vary much in most places. Warmest daytime highs beginning of week, while lowest minimum readings midweek. Precipitation generally below normal to well below normal. Precipitation spread out through week so that no one period stood out as being wettest or driest.

Farm activities included tending livestock, chopping wood, routine farm chores.

NORTH CAROLINA: Temperatures averaged 3 to 4° below normal along coast, up to 8° below normal inland. Precipitation as rain and snow, ranged from 0.32 to 1.00 in.

Days suitable for fieldwork 3.3. Soil moisture 29% short, 66% adequate, 5% surplus. Wheat 47% fair, 53% good. Oats 48% fair, 52% good. Barley 2% poor, 51% fair, 47% good. Rye 56% fair, 44% good. Pasture 13% poor, 54% fair, 33% good. Supplies: Feed grains 96% adequate, 4% surplus. Hay, roughage 2% short, 96% adequate, 2% surplus. Activities: Topdressing small grains, preparing and seeding tobacco beds, applying herbicides, spreading lime, testing soils, discing and plowing fields, pruning fruit trees, tending livestock, cutting firewood, mowing, tax preparation, conservation work, machinery repair, other farm maintenance.

NORTH DAKOTA: Temperatures averaged near zero. Readings ranged from 11 to 18° below normal. Extremes 25° below zero northeast and south central; 24° above southwest. Precipitation light with near zero east to 0.07 in. northwest.

Many areas received additional snow late week. Snow cover for fall seeded crops generally looks good. Cold temperatures continued to stress livestock, feed supplies.

OHIO: Temperature highs averaged 20s to 30s, 11 to 15° subnormal; lows averaged teens to single digits, 3 to 10° below normal. Precipitation 0.08 to 0.67 in. water equivalent.

Snow cover increased early week to protect wheat during coldest period.

OKLAHOMA: Temperatures averaged 8° below normal Panhandle to 18° below normal central. Precipitation averaged 0.04 in. Panhandle to 0.30 in. east central.

Early week snow cover improved moisture, protected wheat from low temperatures. Late week warmth good for wheat growth. Wheat good to fair. Pastures greening. Cattle good. Cattle prices down slightly from last week.

OREGON: Temperatures averaged 4° cooler than normal all areas, except extreme south readings generally 3° above normal. Rainfall amounts ranged from 0.02 in. Madras to 5.13 in. Eugene. Coast rainfall measured from 1.27 in. Astoria to 4.55 in. Brookings; from 1.00 to 2.00 in. Willamette Valley, along Columbia Gorge; less than 1.00 in. recorded elsewhere in State.

Soil moisture supplies mostly surplus. Streamflow forecast near average for most of State. Snowpack near normal western areas, somewhat above normal east. Snow cover continued to melt. Fieldwork halted by rains, snows midweek. Western grains, clovers, grass seeds growing. Tree fruit, caneberry pruning continued between storms. Livestock mostly good. Feed supplies remain short.

PENNSYLVANIA: One of coldest weeks this season. State average temperature 20°, 6° below normal. Precipitation during week frozen type. State average precipitation 0.41 in., 0.22 in. below normal.

Activities for week: Caring for livestock, normal winter chores. Monitoring of poultry flocks central areas for Avian Influenza continued.

PUERTO RICO: Island average rainfall 0.05 in., 0.52 in. below normal. Highest weekly total 0.42 in. Highest 24-hour total 0.15 in. Temperature averaged about 74 to 75° on coasts, 68 to 71° interior divisions. Mean station temperature ranged from 62 to 78°. Extremes 50°; 90°. Total rainfall 0.01 in., minus 0.48 in.

SOUTH CAROLINA: High pressure area with cold air kept temperatures below normal until weekend, warmer then normal over weekend. Snow over northwestern areas on 14th. Mostly less than 1 in. Precipitation totals lagging behind normal,

no immediate soil moisture problems.

Farmers mostly busy with routine winter chores. Some land preparation underway. Fruit tree pruning appears completed.

SOUTH DAKOTA Average temperatures ranged 15 to 35° below normal. Extremes -29°; 38°. Black Hills low -32°. Precipitation below normal; 0.5 to 3 in. snow. Snow depths ranged from a trace southeast corner to 12 in. Hills, north central, parts of east central.

Livestock remained mostly good. Feed supplies remained short west. Main agricultural activities included caring for livestock, attending farm meetings.

TENNESSEE: Temperatures below normal, 9 to 14° most of week. Warmed into 60s on 16th. Precipitation, snow and freezing rain, beginning and latter part of week. Water equivalent generally between 1.00 to 2.00 in. Northeast and northwest precipitation amounts 0.50 in. above normal, remainder of State normal to slightly below normal.

TEXAS: Early week, Arctic air chilled State. Snow Panhandle, freezing precipitation north. Temperatures began moderate midweek. Drizzel, light rain dampened Lower Valley on 12th, 13th; rest State drier weather. Weak Arctic front to coast on 14th, few showers developed, cooling limited. Over weekend, drier air across most region, allowing temperatures into 70s, 80s. Precipitation below normal across all districts. No rair over Trans-Pecos, Edwards Plateau. Temperatures below normal across all districts, except Trans-Pecos slightly above normal.

Crops: Wheat 12% poor, 42% fair, 42% good, 4% excellent. Heavy, moist snowfall over High Plains benefitted small grain conditions. Moisture allow wheat make good growth as warmer temperatures return. Greenbug pressures across Plains, Cross Timbers reduced by colder weather. Colder temperatures caused some losses to oats Cross Timbers. Blacklands, central recent rainfall improve wheat, oat growth. Warmer temperatures late week also helped. Fields other areas State responding well recent moisture warmer weather. Grazing should increase statewide. Many producers completed land preparation for planting grain sorghum. Corn should begin planting as ground dries. Early planting corn completed these fields emerging. Early planting restricted Coastal Bend, south areas.

Commercial Vegetables: Rio Grande Valley, early melons begun to emerge. Planting continued as conditions allow. Harvest carrots remains strong. Cabbage harvest slowing due market demand. Cooler temperatures slowed onion progress. Harvest all vegetables slow due coldest weather. Some citrus trees begun blooming. San Antonio - Winter Garden, recent rains alleviated irrigation needs. Normal progress reported harvesting activites, slight delays due weather. East, early vegetable planting continued. Bedding sweetpotato land underway. Colder weather helped hold back early blooming peach trees Hill Country. Some damage occur, early bloomers east.

Range and Livestock: Ranges, pastures benefitted from moisture. Cold weather held back growth somewhat. Livestock conditions extremely stressed over Plains, losses minimum. Supplemental feeding heavy Plains. Feeding reduced most other areas due better grazing. Goat shearing slowed Hill Country. Cold hard on new lambs.

UTAH: Storm system latter part of week dumped heavy precipitation on some mountain stations; otherwise, very light. Maximum temperatures averaged 8 to 9° below normal, ranged from 2 to 13° below normal. Minimums averaged 5° below normal, ranging from 15° below normal to 5° above normal.

Excessive wind, rain stopped farm activities. Fall seeded grains not affected much by recent rains. Pruning beginning commercial orchards. Wind, rain causing some stress livestock but most good condition. Feed supplies adequate.

VIRGINIA: Cloudy, cold. Temperatures averaged 7 to 9° below normal. Precipitation mid period brought 0.50 in. rain south and east, snow moisture, mostly snow except coastal areas.

Days suitable for fieldwork limited by snow, rain, averaged 1.1 day. Topsoil moisture 50% adequate, 50% surplus. Small grains topdressing hampered by wet weather. Small grains improved after slow fall growth, good to excellent most areas. Livestock good. Lambing, calving winding down. Feed supplies adequate. Major farm activities: Livestock care, tax preparation, meetings, spring production planning, supply purchasing.

WASHINGTON: Cold, dry beginning of week. Precipitation beginning 13th in form of snow east of Cascades; snow rain west of Cascades.

Days suitable for fieldwork 1.8. Soil moisture 25% short, 75% adequate. Range and pasture 82% short, 18% adequate. Hay supplies 58% short, 42% adequate. Snow and cold weather returned to State late week. More moisture still needed. Calving, lambing still underway. Pruning continued as weather allowed.

WEST VIRGINIA: Temperatures averaged 8 to 10° below normal. High 66° Williamson, low -5° Elkins. Average temperatures 23°. Precipitation averaged 0.10 to 0.60 in. above normal except near normal northeast division. Average precipitation 0.91 in. Precipitation in form of snow during week, rain by week's end.

Days worked 0.4. Soil moisture adequate to surplus. Feed supplies adequate to short.

WISCONSIN: Temperatures below normal through midweek, warming to normal on weekend. Snow 5 in. west central and parts of southwest, 1 to 2 in. elsewhere on 13th. Snow depths averaged 13 in., deepest north central with 25 to 36 in. Frost depths averaged 5 in., deepest southeast along Lake Michigan 13 to 24 in.

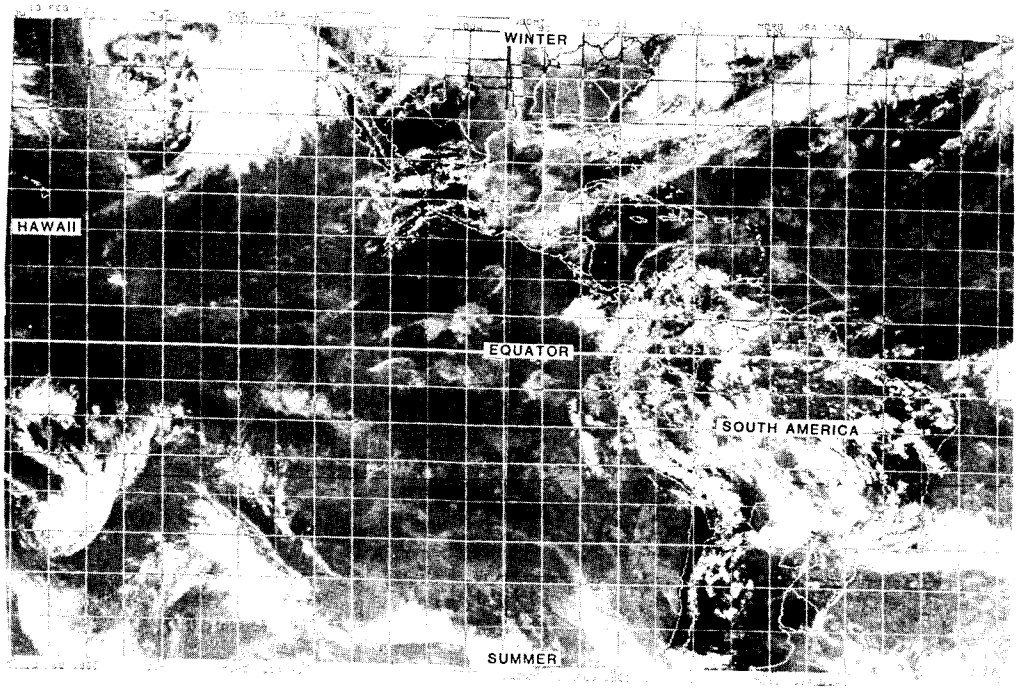
Corn harvest 80%, 100% 1984, 96% avg.; standing well in fields. Other activities feeding, livestock spreading manure.

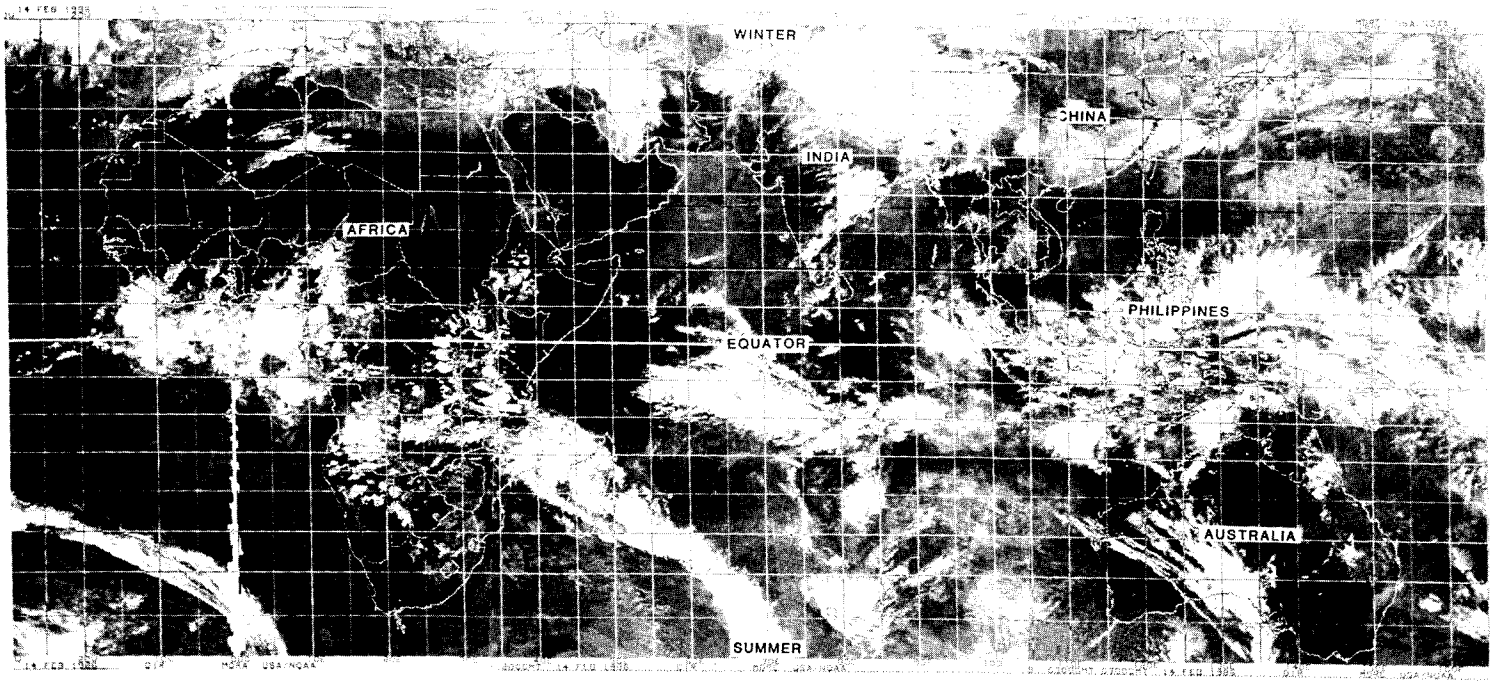
WYOMING: Very cold week. Temperatures well below normal. Precipitation near normal.

Winter wheat good. Cold temperatures slowed premature growth. Range livestock good, supplemental feeding continued. Calving, lambing underway, losses light. Producers preparing for spring planting.

GLOBAL WEATHER SATELLITE IMAGE

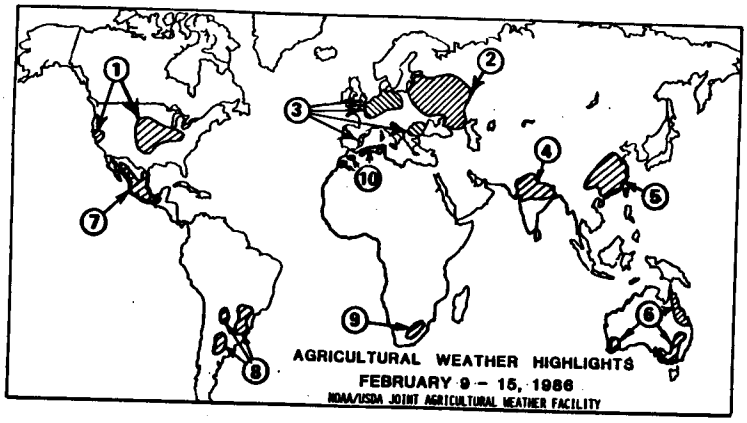
February 13–14, 1986





International Weather and Crop Summary

February 9 to 15, 1986



HIGHLIGHTS:

1. UNITED STATES ... Snow protects wheat from low temperatures early in the week. Heavy rain saturates northern and central California causing concern about pollination of early blooming fruit.

2. WESTERN USSR ... Light snow covers winter grains over much of the region.

3. EUROPE ... Light snow covers northern winter grain areas, and heavy snow covers the southeast. Subfreezing temperatures cover citrus, vegetable, and almond areas around Valencia, Spain.

4. SOUTH ASIA ... Widespread rain across the north benefits wheat in the grain filling stage.

5. EASTERN ASIA ... Mild winter weather returns while showers increase preplanting moisture in the south.

6. AUSTRALIA ... Light showers benefit summer crops in Queensland, but dry weather continues in the southeast.

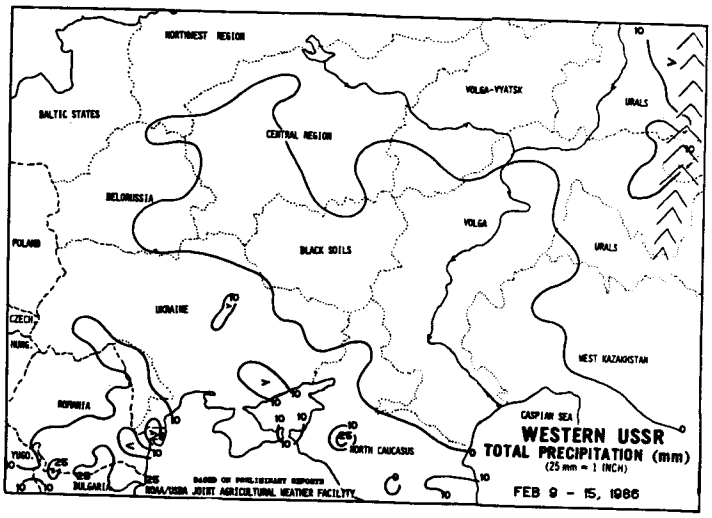
7. MEXICO ... Light showers benefit wheat in the northwest while cool weather covers the northeast.

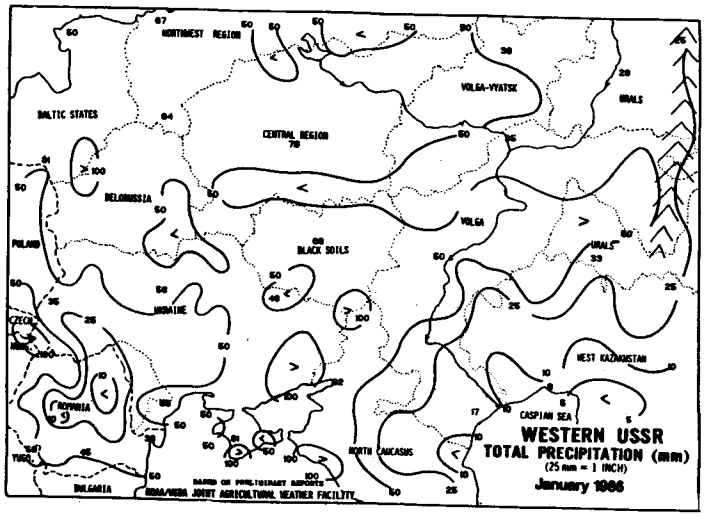
8. SOUTH AMERICA ... Widespread rain over Brazil's center-south improves moisture supplies for the drought-affected crops. Showers maintain generally favorable moisture for Argentina's crops.

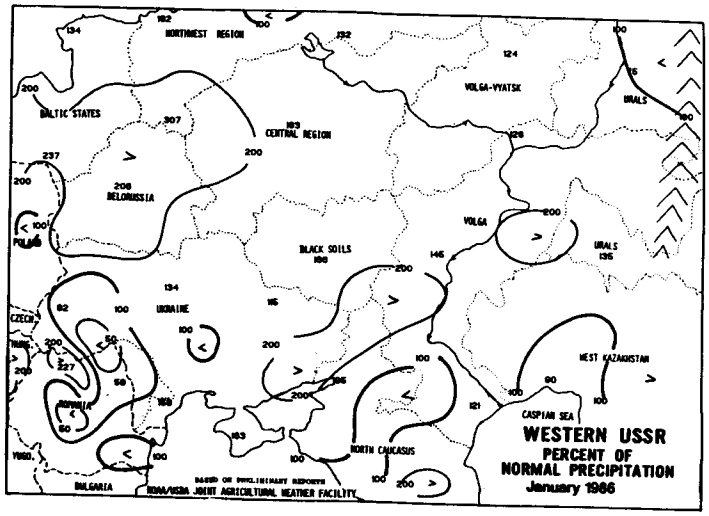
9. SOUTH AFRICA ... Drier, warmer weather covers most major corn areas. Moisture is likely adequate but was depleted somewhat.

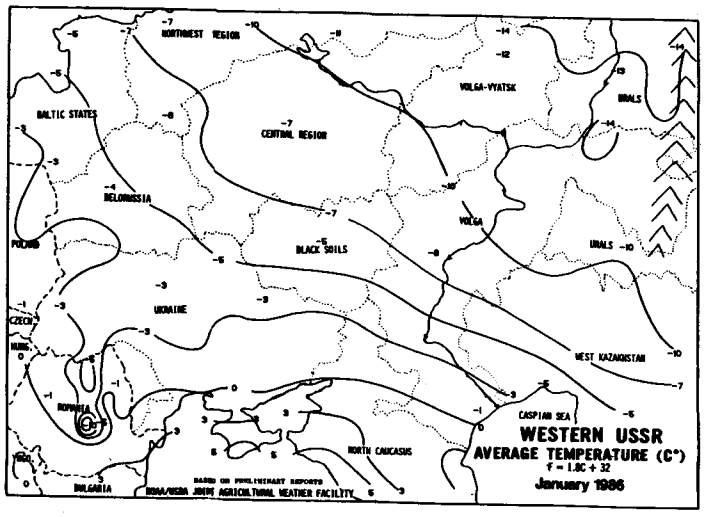
10. NORTHWESTERN AFRICA ... Widespread showers in Morocco and Algeria benefit winter grains in the vegetative stage. Light rain eases drought in Tunisia.

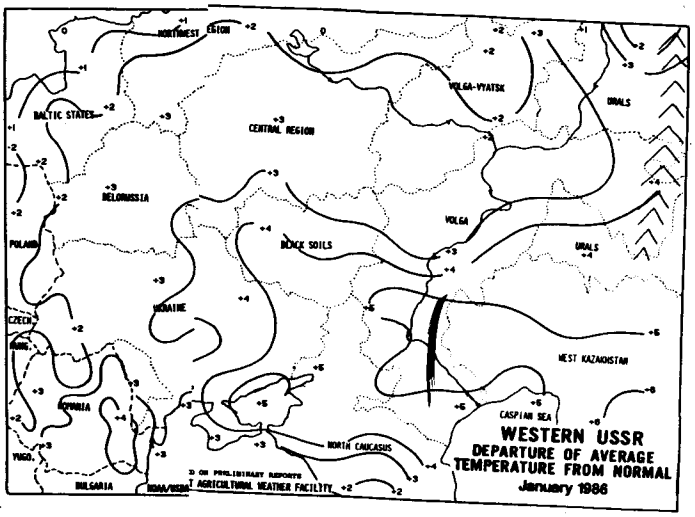
WESTERN U.S.S.R...Above-normal January precipitation covered most winter grain areas, increasing moisture supplies. However, precipitation continued below normal in the southwestern Ukraine, Moldavia and parts of the central North Caucasus. Temperatures during January were 2 to 5 degrees C above normal over much of Western U.S.S.R. Warmest weather occurred during the last 10 days of the month, and snow cover diminished over much of the Ukraine and North Caucasus. Temperatures this past week were 1 to 3 degrees C below normal, and snow cover generally increased in the south.

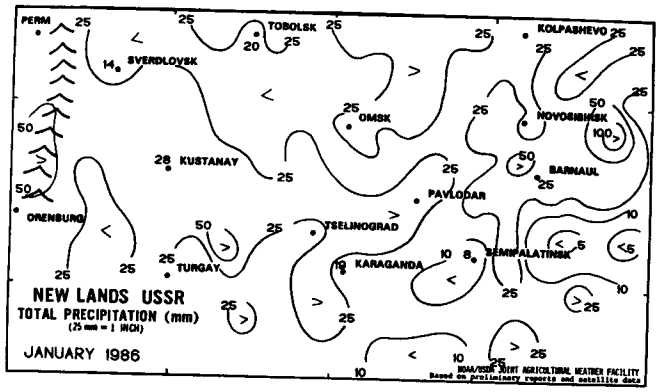








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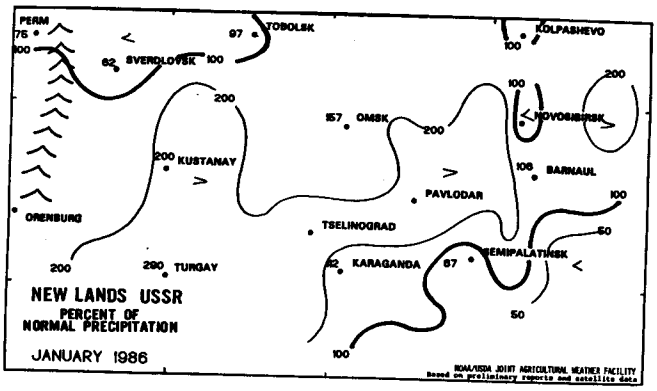
TURGAY
KARAGANDA
SEMIPALATINSK
NEW LANDS USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports and satellite data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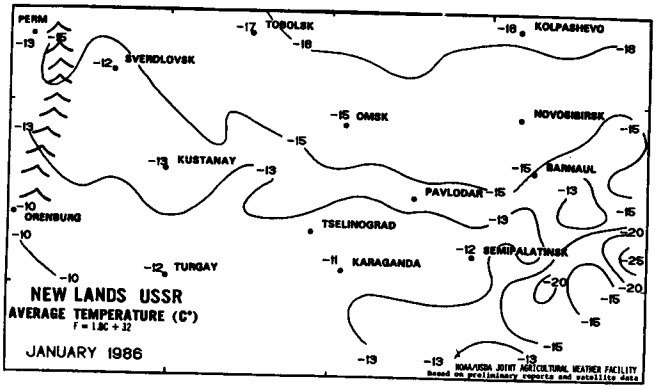
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports and satellite data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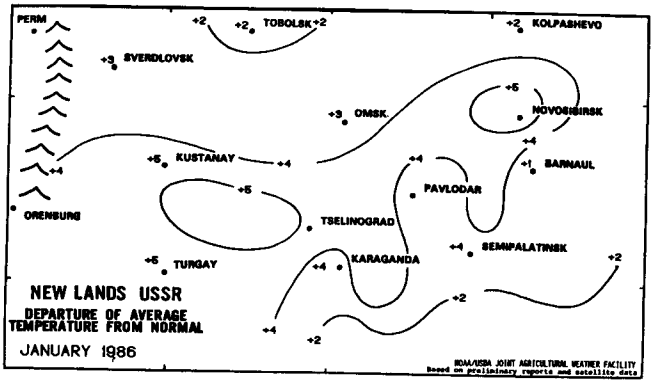
TURGAY
KARAGANDA
SEMIPALATINSK
NEW LANDS USSR
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports and satellite data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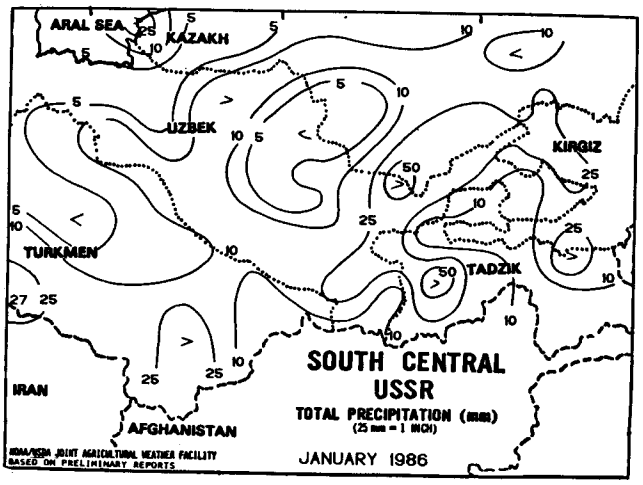
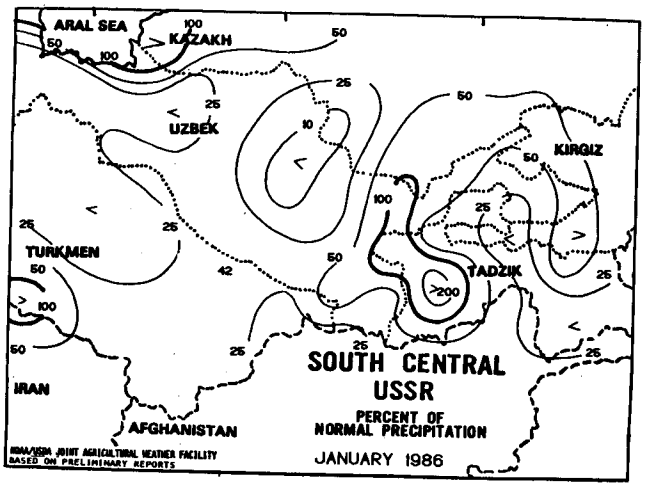
TSELINOGRAD
TURGAY
KARAGANDA
SEMIPALATINSK
NEW LANDS USSR
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports and satellite data


ARAL SEA
KAZAKH
UZBEK
KIRGIZ
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS


ARAL SEA
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UZBEK
KIRGIZ
TURKMEN
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IRAN
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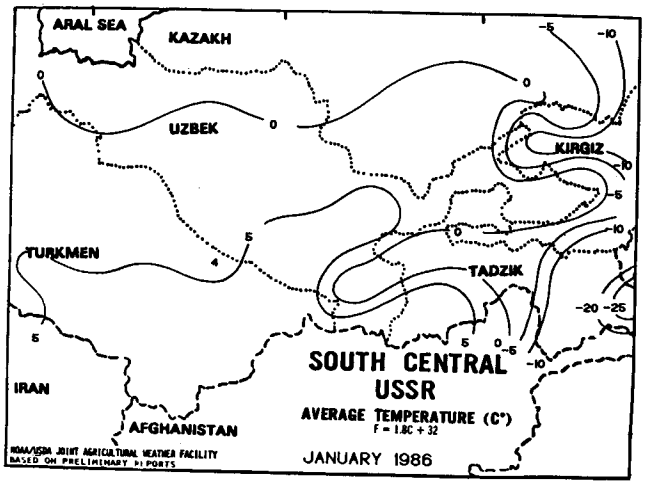
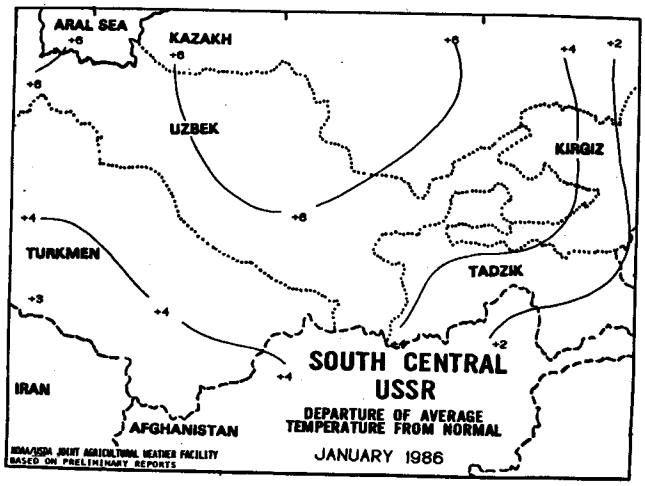
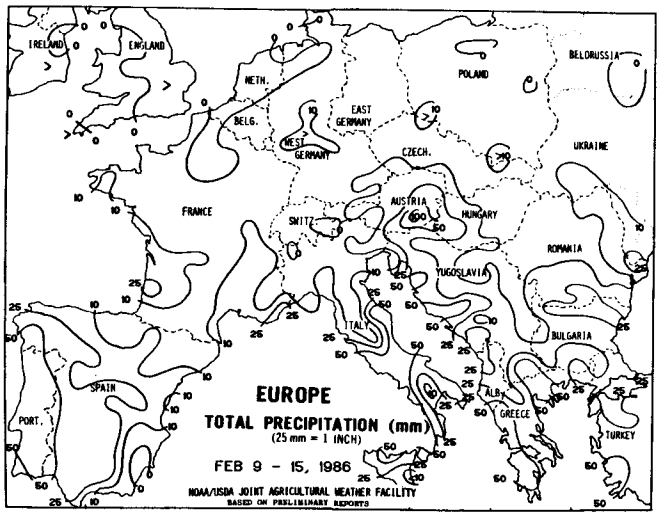
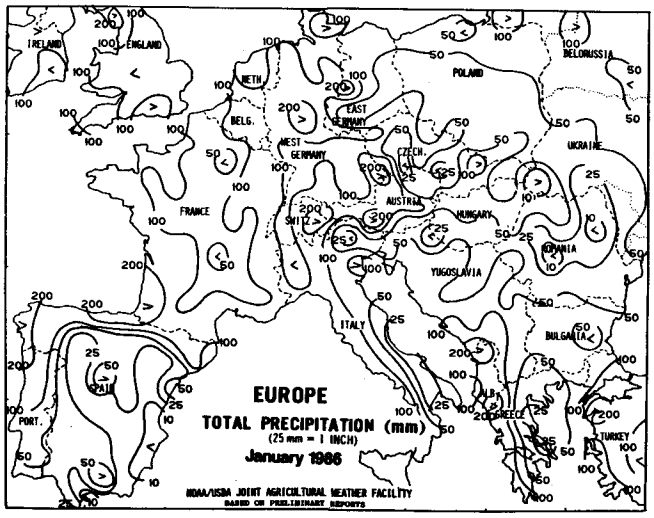
SOUTH CENTRAL
USSR
PERCENT OF
NORMAL PRECIPITATION
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

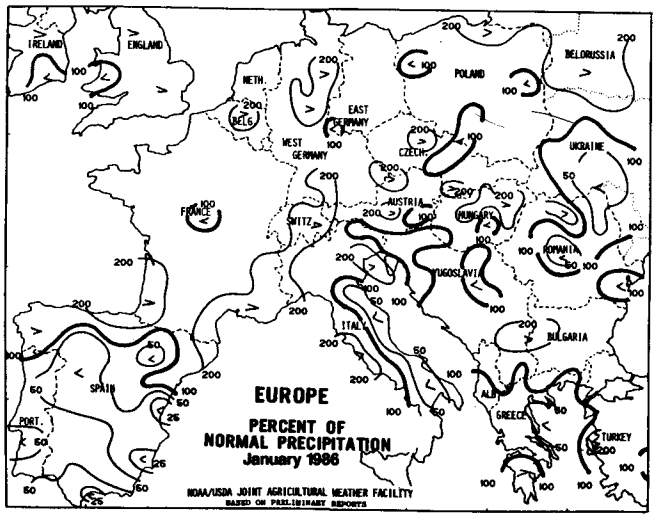

ARAL SEA
KAZAKH
UZBEK
KIRGIZ
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
USSR
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

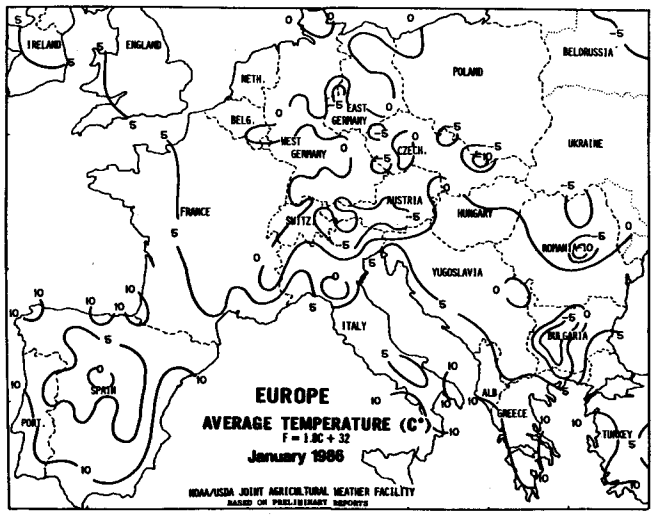

ARAL SEA
KAZAKH
UZBEK
KIRGIZ
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
USSR
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

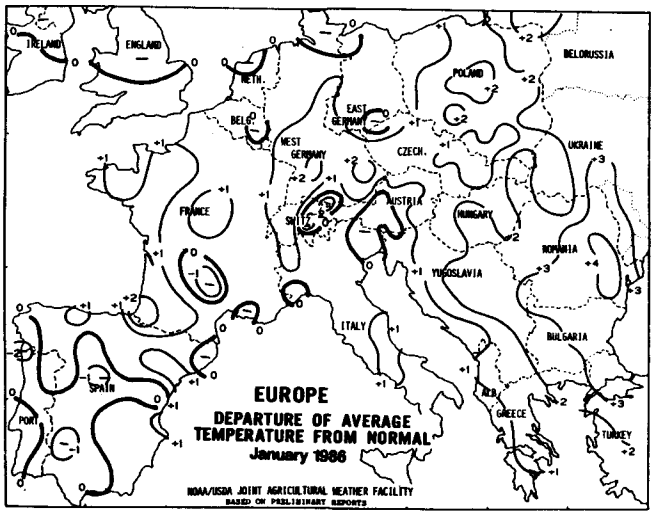
EUROPE...In January, warm, wet weather covered most of the region. Warmest weather occurred in the southeast where temperatures were 2 to 4 degrees C above normal. Winter grains were dormant during the month in most areas except those adjacent to the Mediterranean Sea where vegetative growth occurred. By early February, the weather turned unseasonably cold, a pattern which continued through this past week. In addition, light snow covered much of northern Europe, while heavy snow covered winter grains in southern Romania and northern Bulgaria. Spain received widespread beneficial showers, but subfreezing nighttime temperatures slowed winter grain growth. A minimum temperature of -3 degrees C occurred in citrus, almond, and vegetable areas around Valencia. The impact of the cold weather on citrus fruit was probably minimal, due to the short duration of subfreezing temperatures. Vegetables and flowering almond trees were more vulnerable.



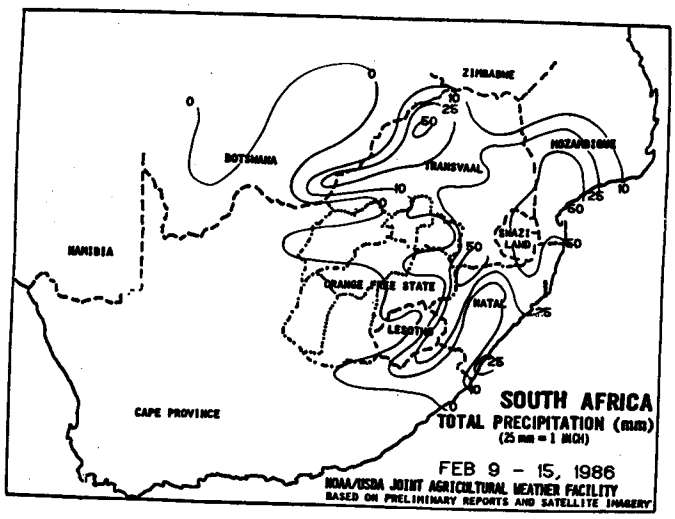


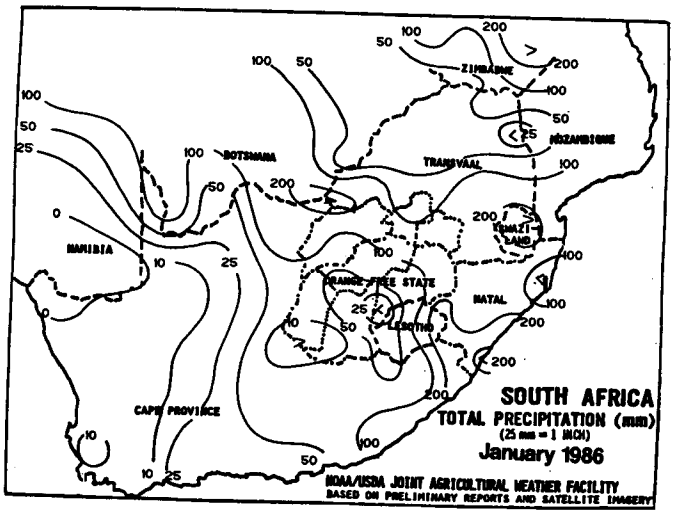


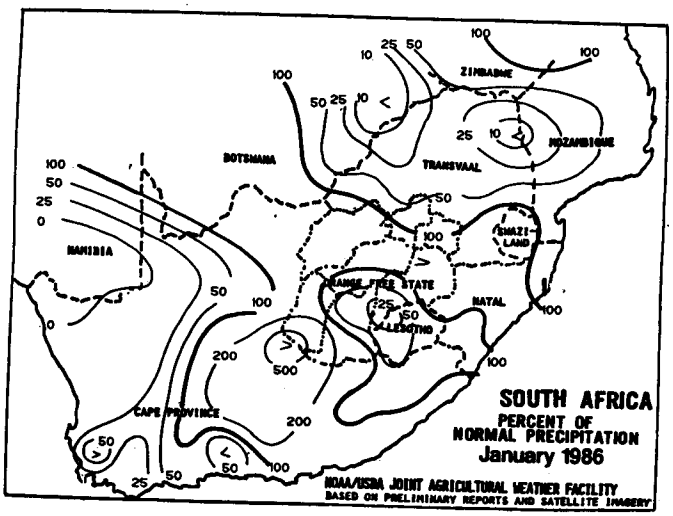


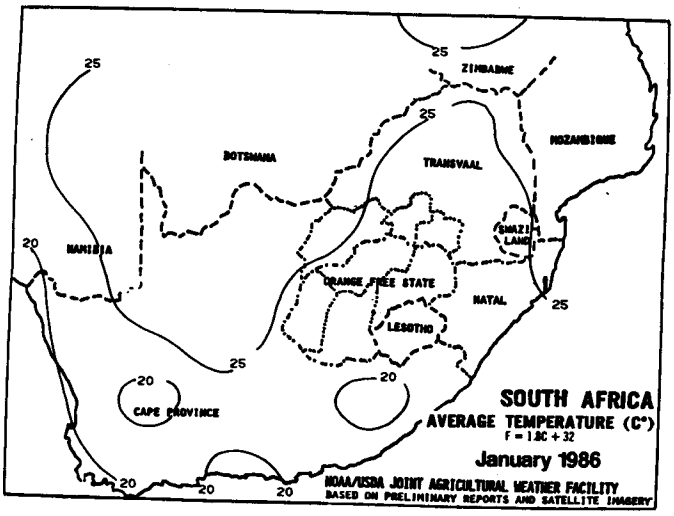


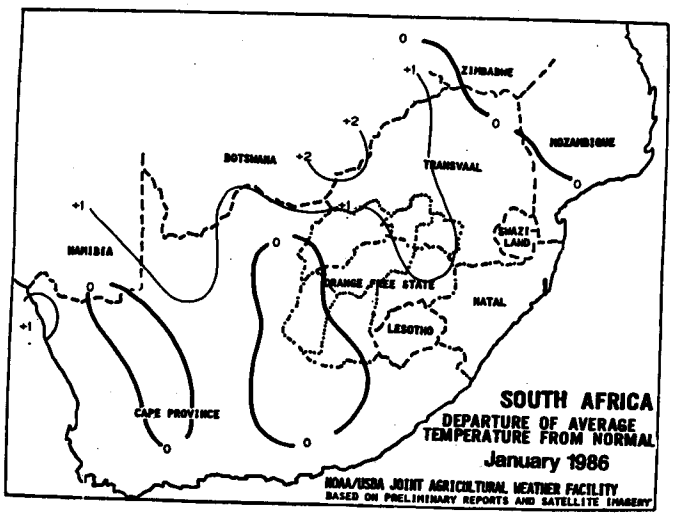
SOUTH AFRICA...Significant rainfall was confined to eastern and northern areas. Minor corn producing areas in the northern and eastern Transvaal benefited from 25 to 50mm of rain. Most of the major corn areas received little or no rain this week. Moisture likely remains adequate in most of the Maize Triangle; however, the recent hot weather increased corn's moisture requirements. In the West Transvaal, temperatures reached 33 degrees C for the first time since mid-January. January rainfall was near to above normal, benefiting corn in the West Transvaal and Orange Free State; however, hot and dry weather covered the region for the first half of January.



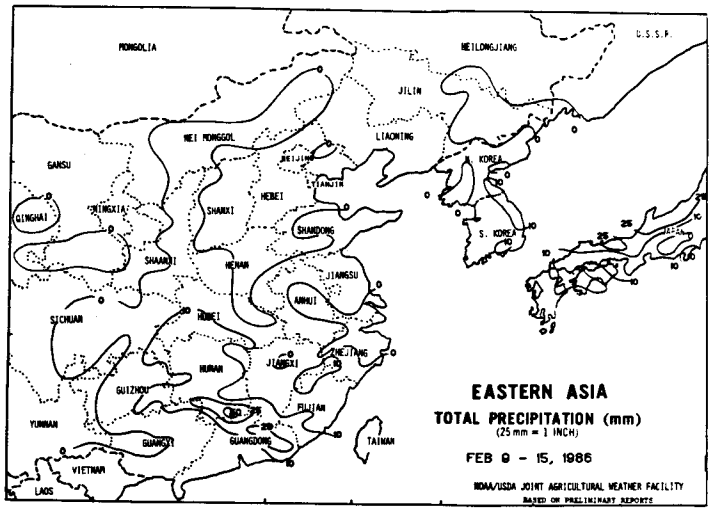


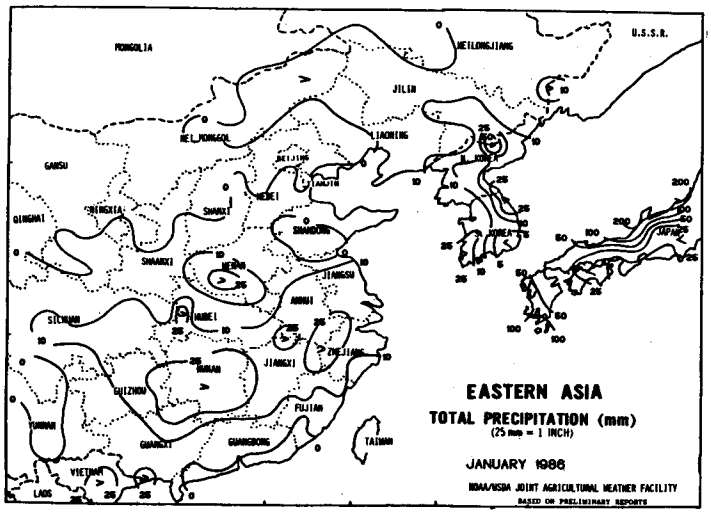


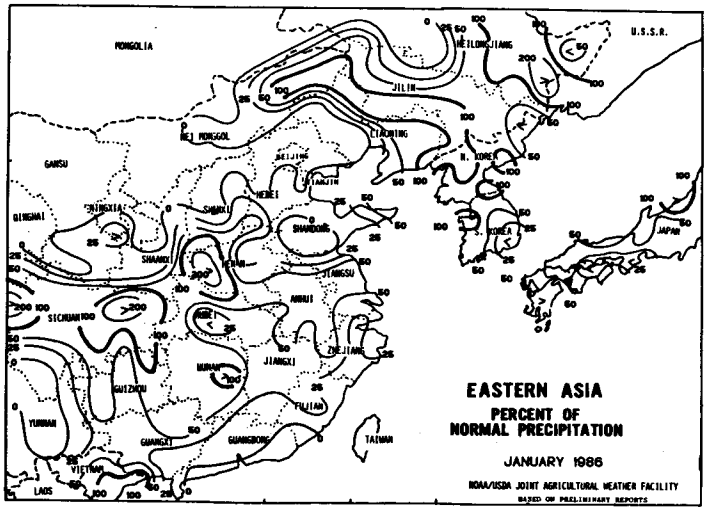


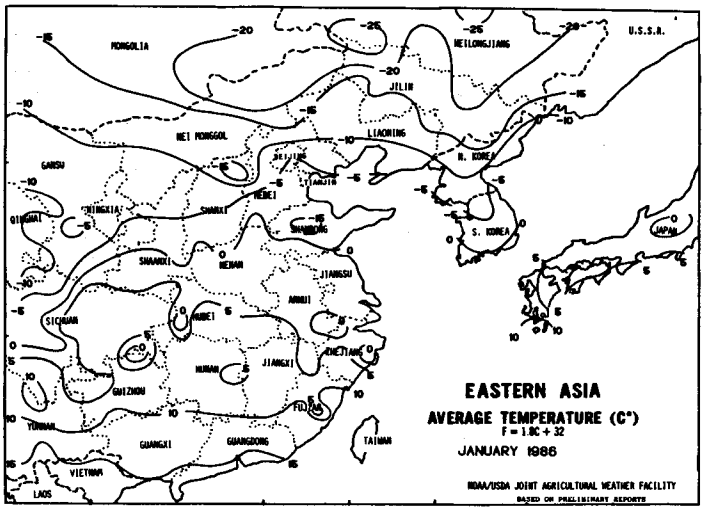


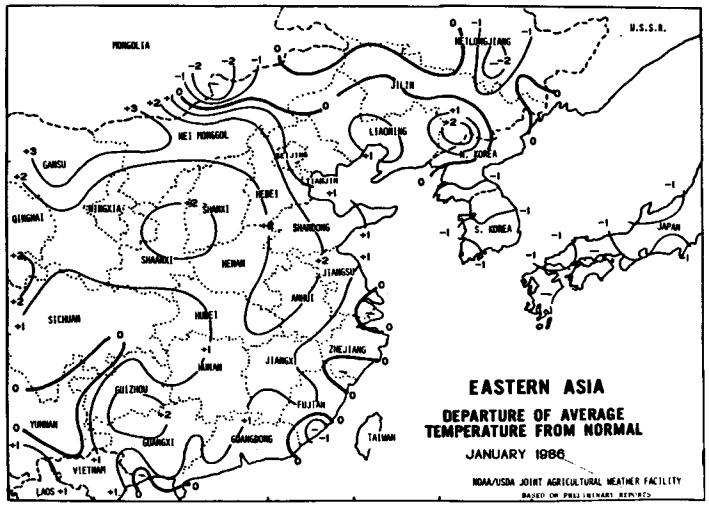
EASTERN ASIA...Above-normal temperatures returned following a brief cold period last week. Temperatures averaged 2 to 4 degrees C above normal throughout eastern China. Mostly dry weather continued in the North China Plain, where winter wheat remains dormant. Showers in the south continued to improve moisture supplies for rice planting. More rain is needed to establish favorable planting conditions, but 15 to 35mm of rain benefited southern Hunan and eastern Guangdong this week. January rainfall was below normal in most areas, most notably in the south-coastal provinces where drier-than-normal conditions have persisted since October.



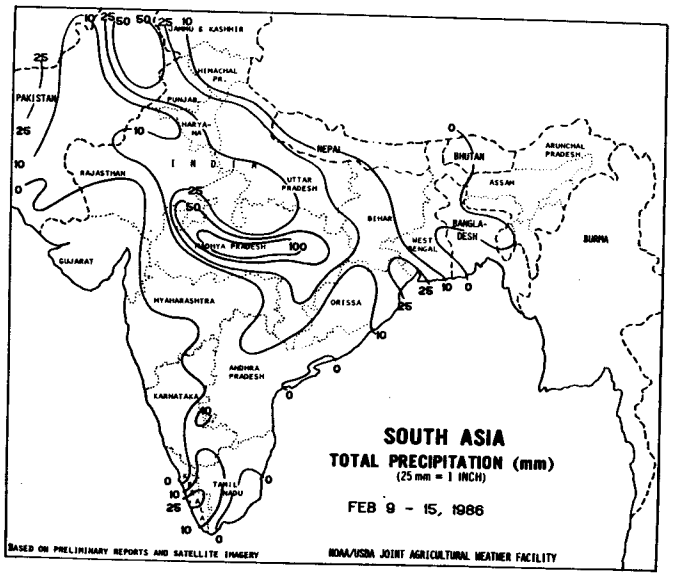


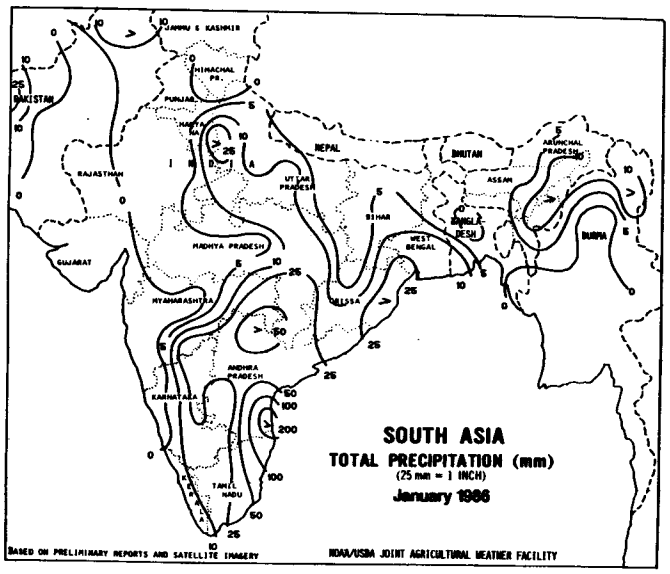


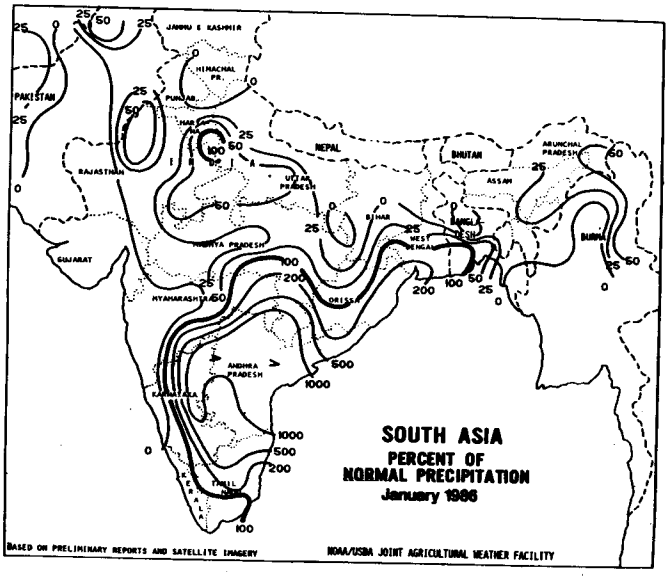


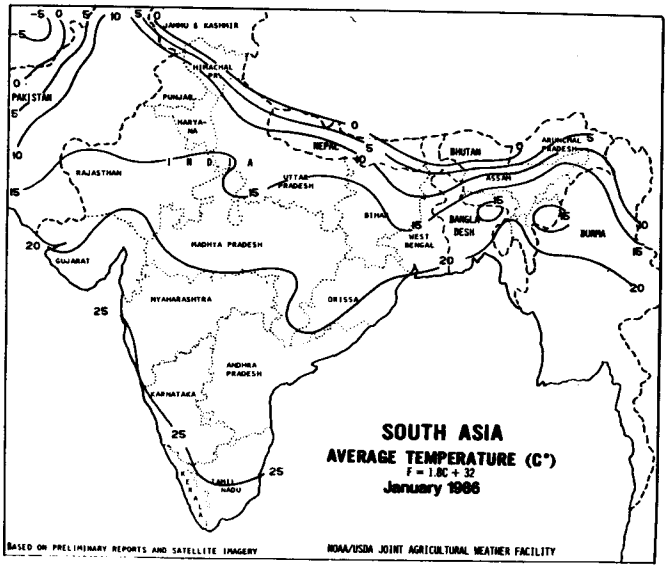


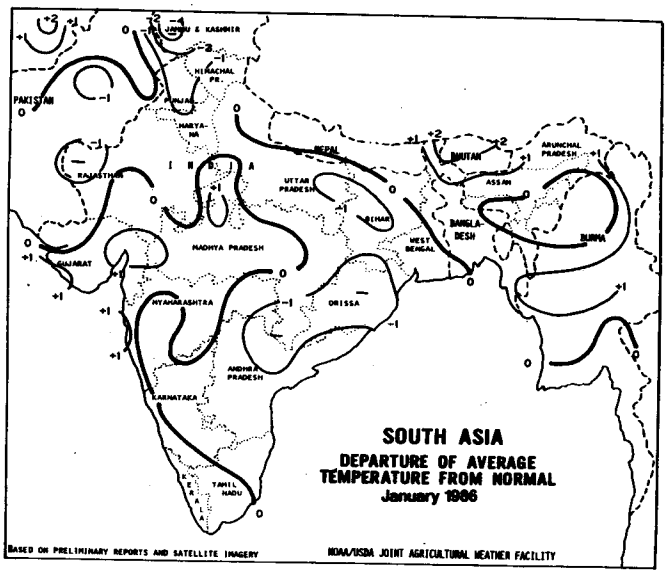
SOUTH ASIA ...Early this week, moderate to heavy rain covered most of the major wheat areas in northern Pakistan and India. Moderate rain (25 to 50mm) benefited wheat in the grain filling stage from Punjab, Pakistan through Uttar Pradesh, India. Locally heavy rain, as much as 155mm, fell in central Madhya Pradesh, likely producing localized flooding. January's rainfall was below normal over most of the northern India and Pakistan forcing wheat to rely heavily on irrigation. Above-normal January rainfall in southeastern India resulted from an unseasonable tropical cyclone which may have damaged some summer rice in Tamil Nadu and Andhra Pradesh.



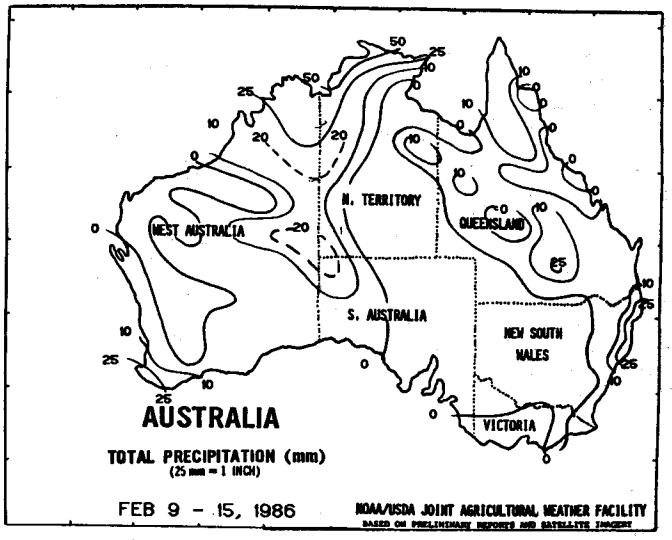


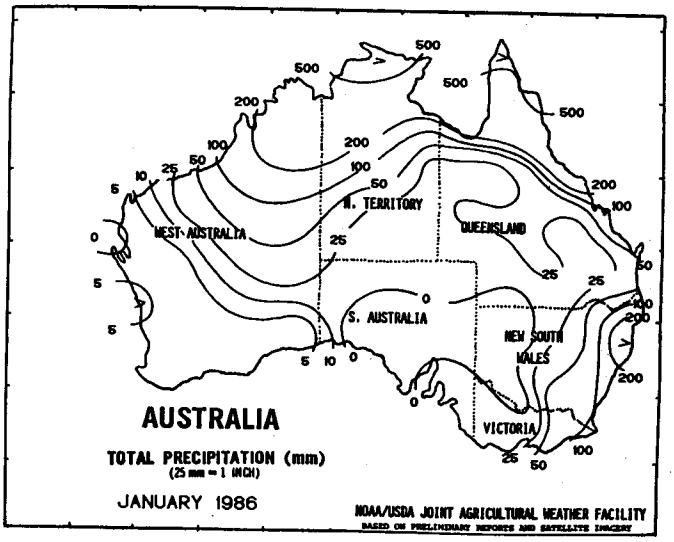


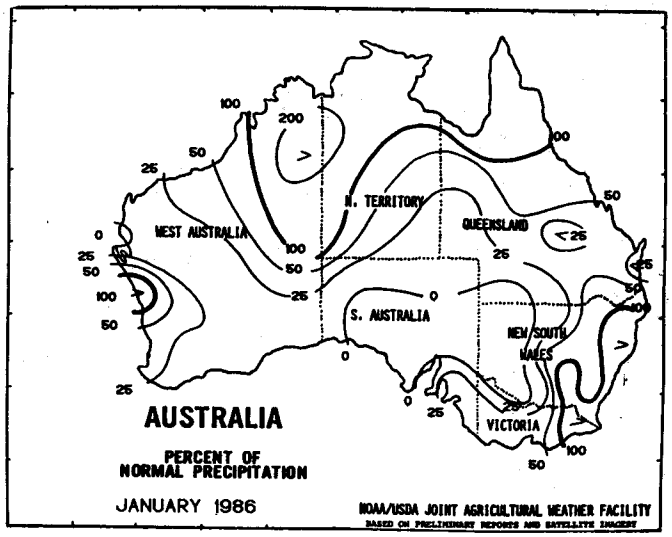


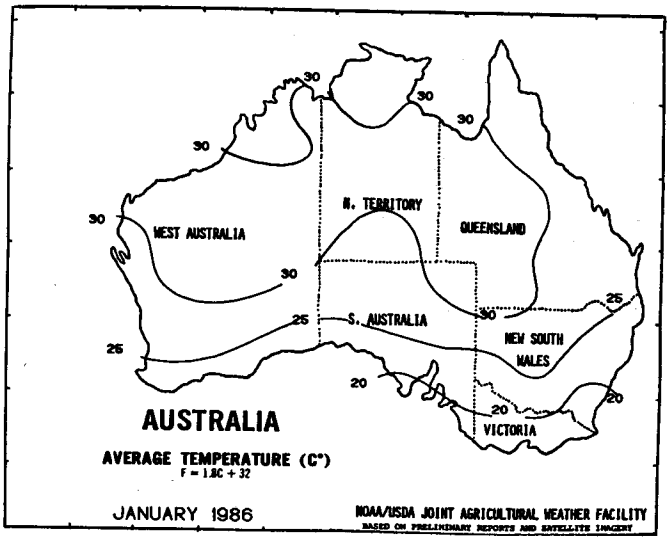


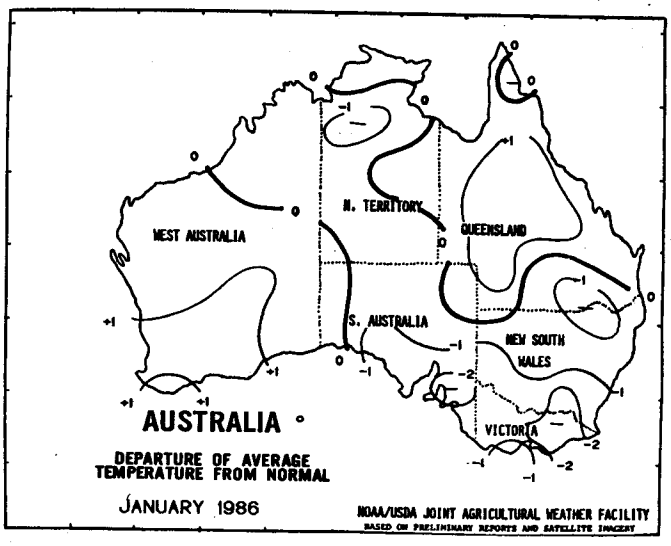
AUSTRALIA...Variable rain fell in much of Western Australia, the Northern Territory, and Queensland. Light showers (2 to 10mm) in southeastern Queensland benefited cotton and sorghum. Mostly dry weather covered crop areas in New South Wales, Victoria, and South Australia. Hot weather (35 to 39 degrees C) early in the week in the southeast was replaced by cooler weather, helping to reduce evaporation rates. January rainfall was below normal in the southeastern summer crop areas, limiting moisture in nonirrigated areas. Weekly summaries will be discontinued until May when wheat planting normally begins.



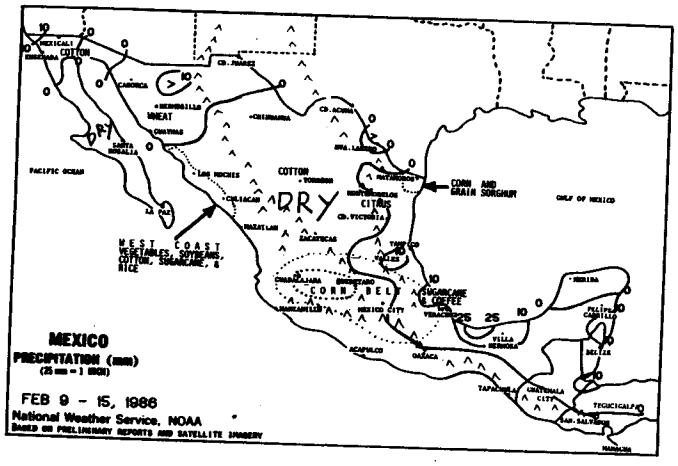


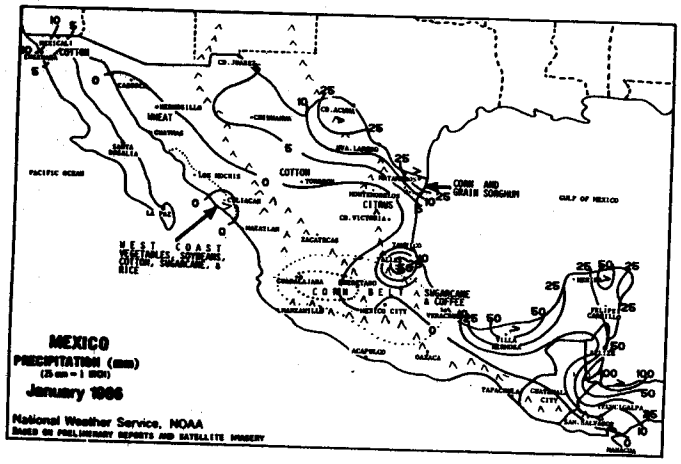


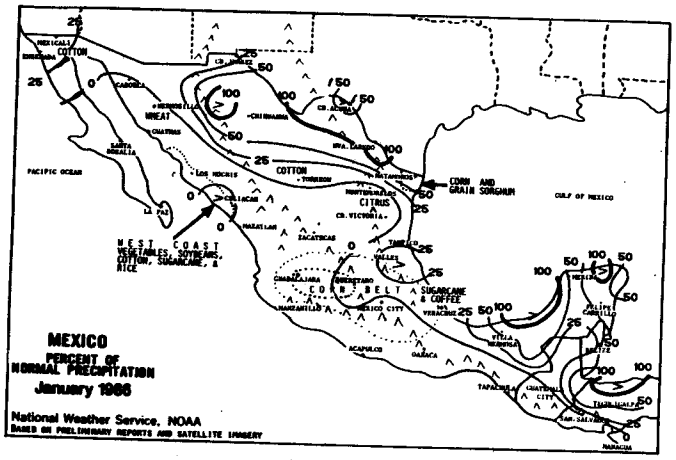


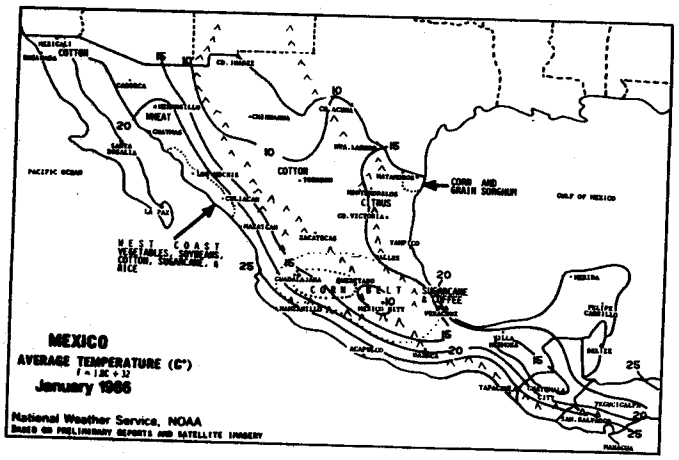


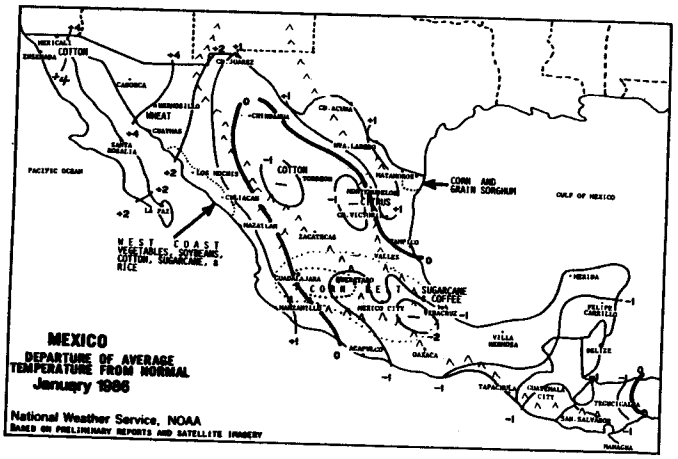
MEXICO...Light rain fell in the northwest, where wheat is mostly in vegetative growth. Cotton planting normally begins in February. Light showers also occurred along the east coast, extending from Matamoros to the Yucatan Peninsula. The moisture benefited vegetable planting and growth, but caused some delays in the sugarcane harvest near Veracruz. Cold weather dipped into the northeast, pushing weekly average temperatures 3 to 6 degrees C below normal. Temperatures remained above freezing in most all areas. Citrus and winter vegetables were likely unharmed by the cold weather. During January, mostly dry weather prevailed in the west and occasional light showers occurred elsewhere.



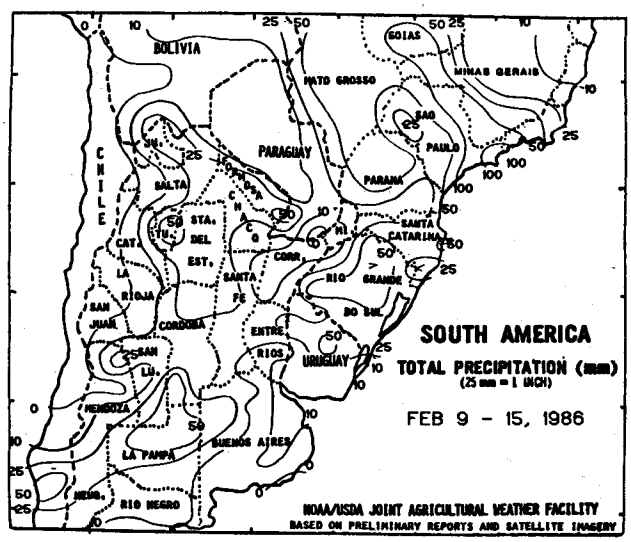


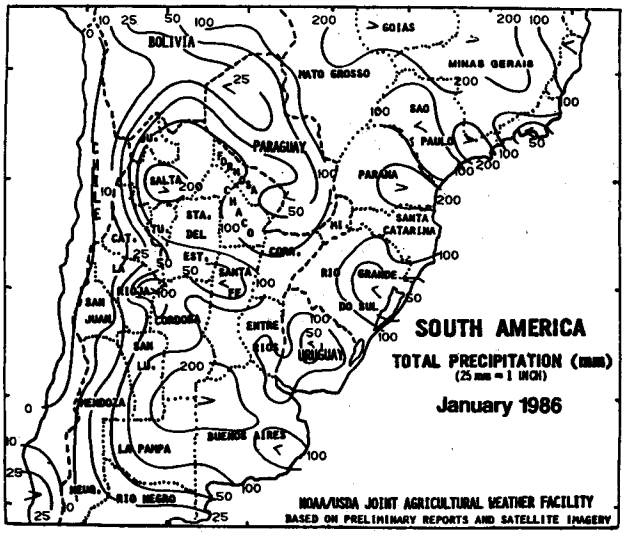


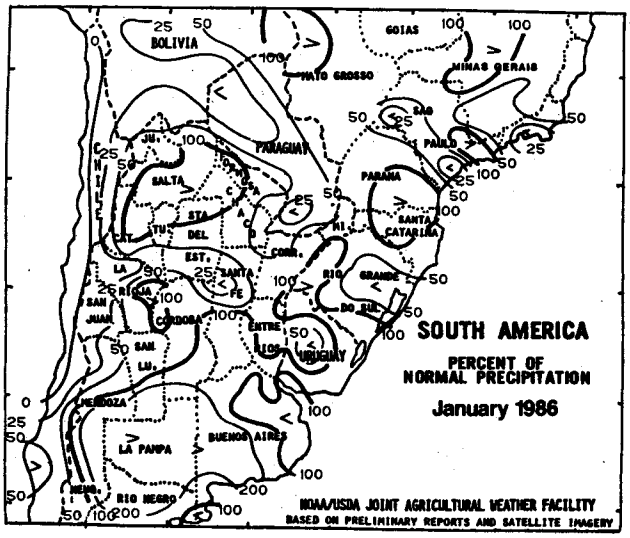


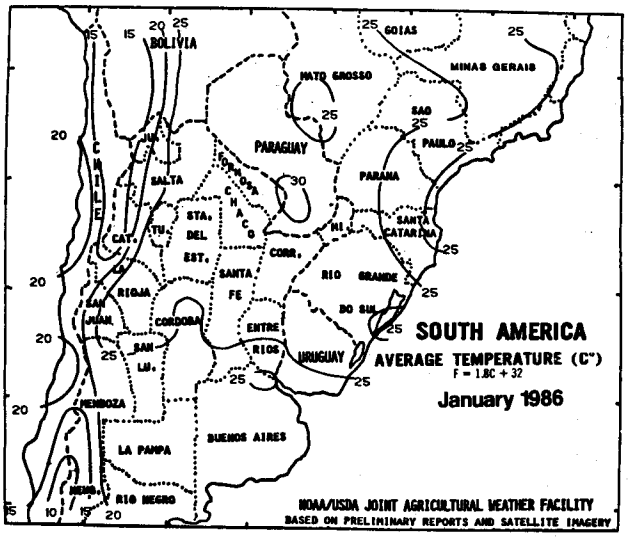


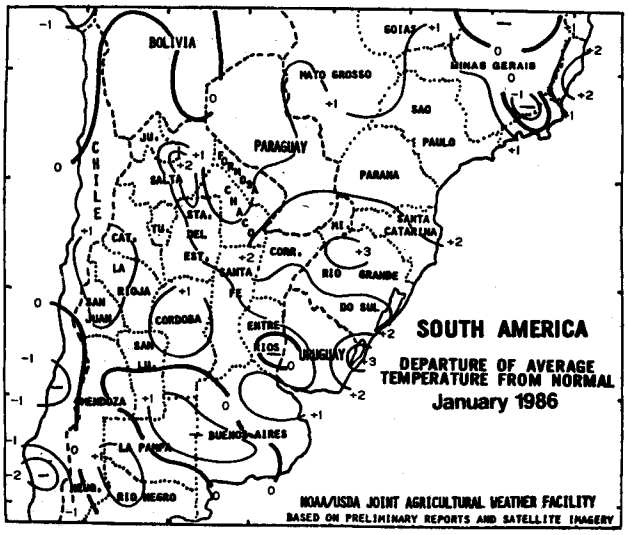
SOUTH AMERICA...Widespread rain fell over Brazil's center-south crop areas, continuing the recent improvement in moisture supplies for corn and soybean development. The deteriorating condition of summer crops was eased in mid-January when significant rain and cooler weather broke the drought in southern Brazil. Subsequent rain in early February helped to alleviate the severe moisture deficiency for soybeans ranging from vegetative growth in the very late plantings to filling pods in the earlier planted, drought-affected crop. In Argentina, locally heavy showers (40 to 70mm) fell over western corn and sorghum areas, maintaining the moist conditions following above-average January rainfall. Light showers fell in eastern summer crop areas where seasonal January rains occurred. Showers also benefited northern cotton areas where January rainfall was below average.



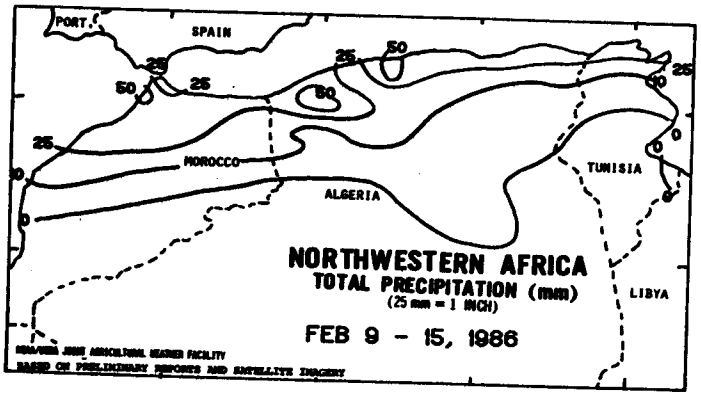


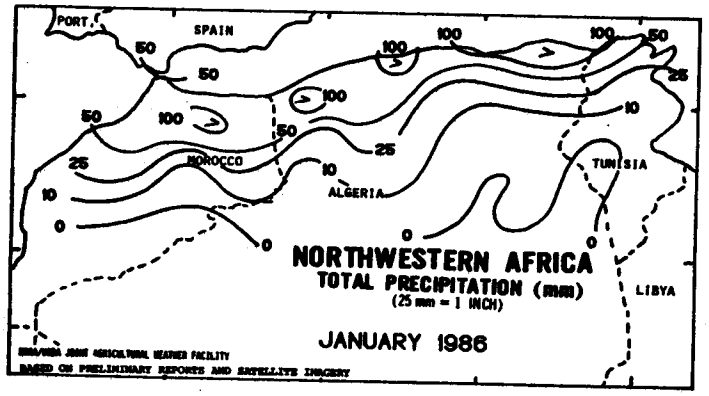


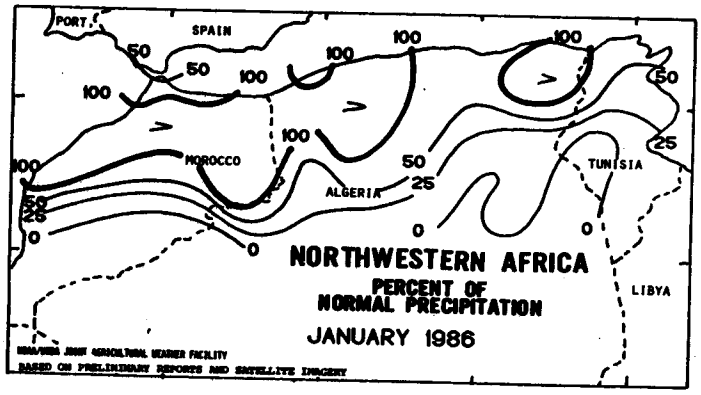


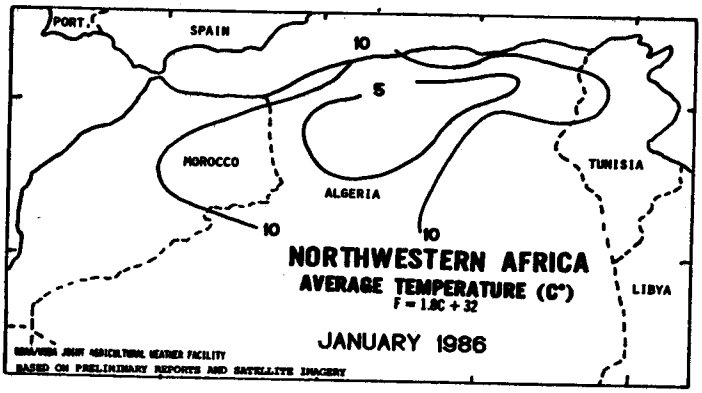


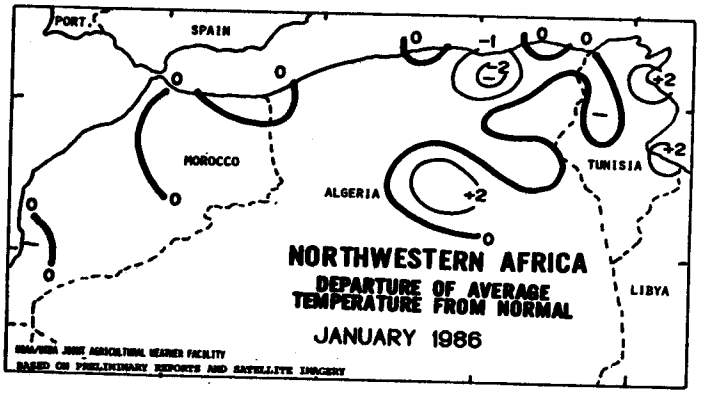
NORTHWESTERN AFRICA...Widespread rains continued to benefit winter grains in Morocco and western Algeria. Rainfall amounts around 25mm continued January's above-normal precipitation pattern, maintaining favorable crop prospects for winter grains in the vegetative stage. Crop areas in central and eastern Algeria received near-normal January precipitation which fell mainly during the last 2 weeks of the month. Light showers (10 to 25mm) continued over these areas this past week. In Tunisia, below-normal January rainfall continued a drought which has covered winter grain areas since the start of the growing season. This past week, light showers moistened topsoils over the areas.

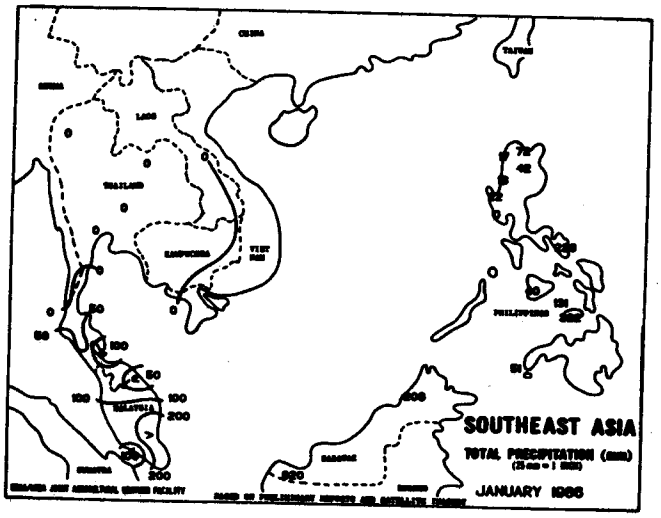


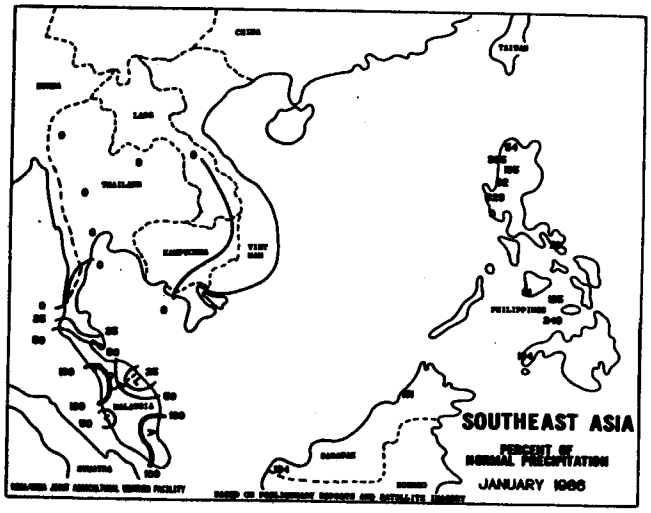


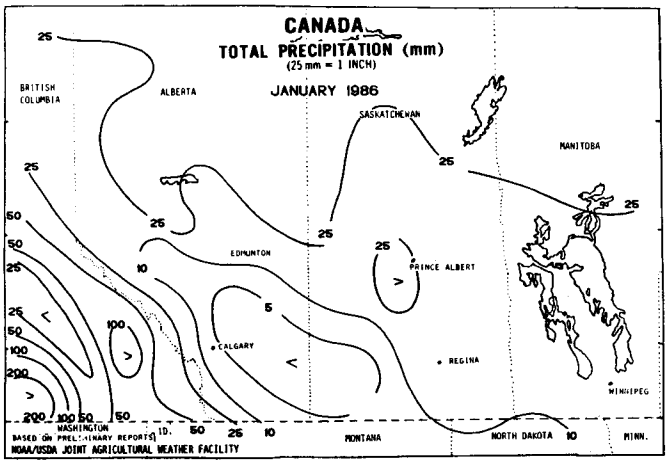


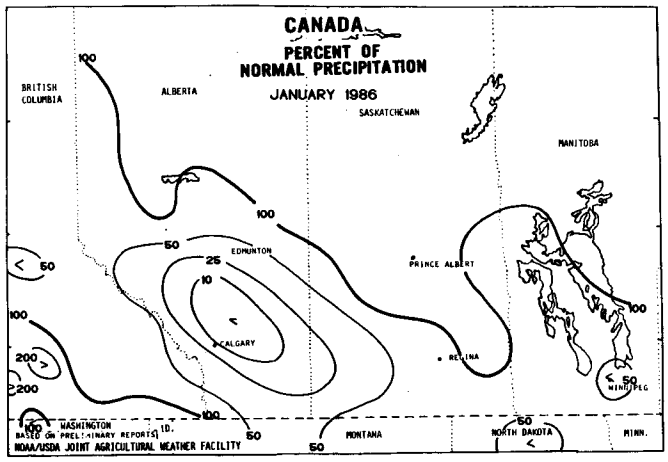









CANADA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
JANUARY 1986
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
EDMONTON
PRINCE ALBERT
CALGARY
REGINA
WINNIPEG
WASHINGTON
ID.
MONTANA
NORTH DAKOTA
MINN.
BASED ON PRELIMINARY REPORTS
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY


CANADA
PERCENT OF NORMAL PRECIPITATION
JANUARY 1986
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
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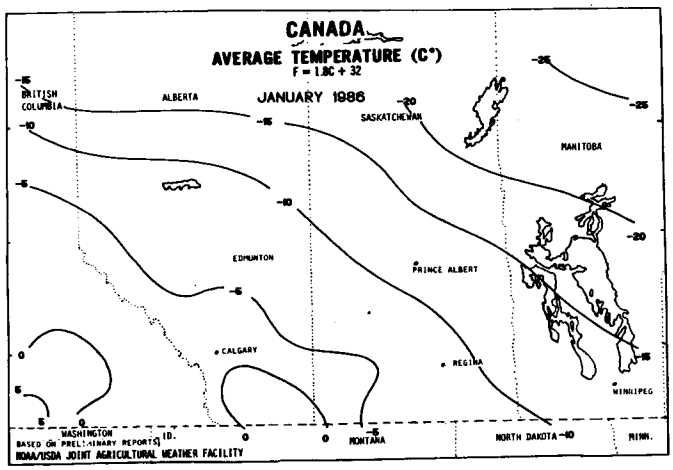
CANADA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
JANUARY 1986
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
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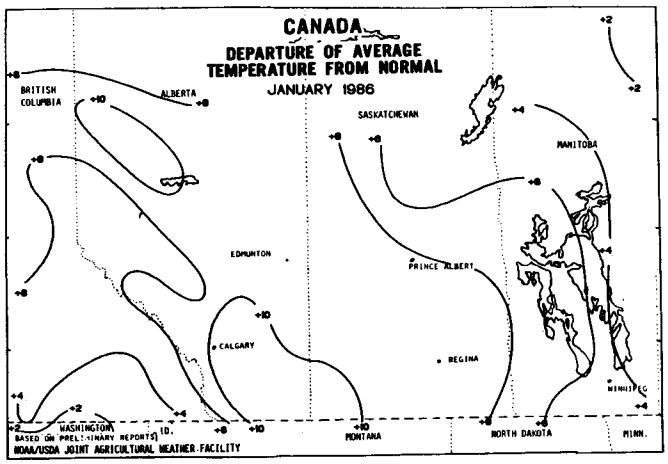
CANADA
DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL
JANUARY 1986
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
EDMONTON
PRINCE ALBERT
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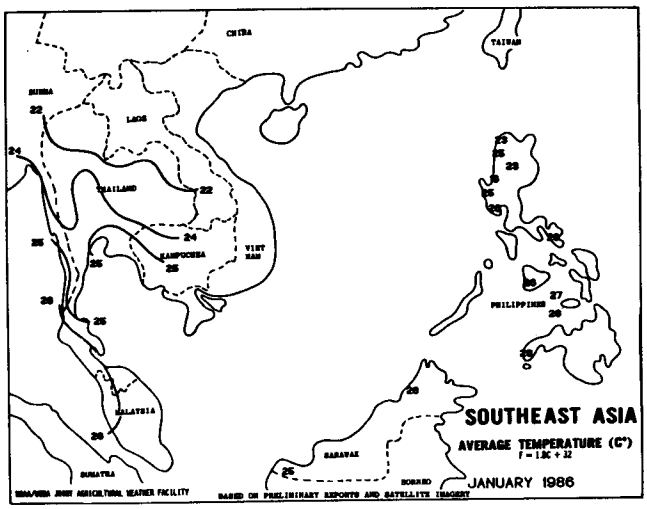
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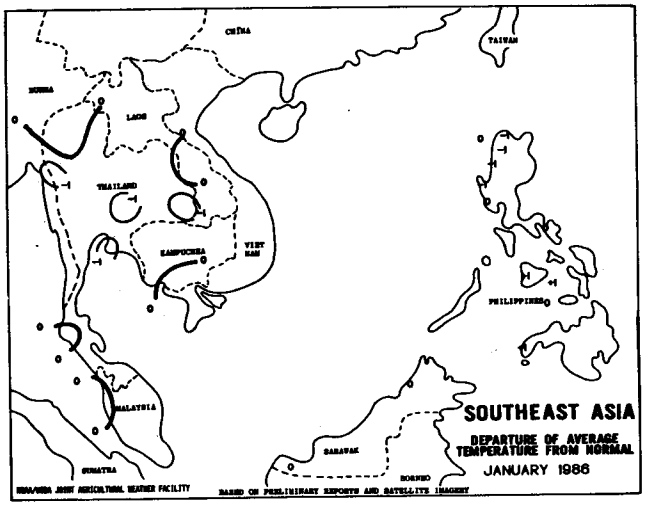
SUMATRA
SARAWAK
BORNEO
SOUTHEAST ASIA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
JANUARY 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY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The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and 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 Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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