WEEKLY WEATHER AND CROP BULLETIN

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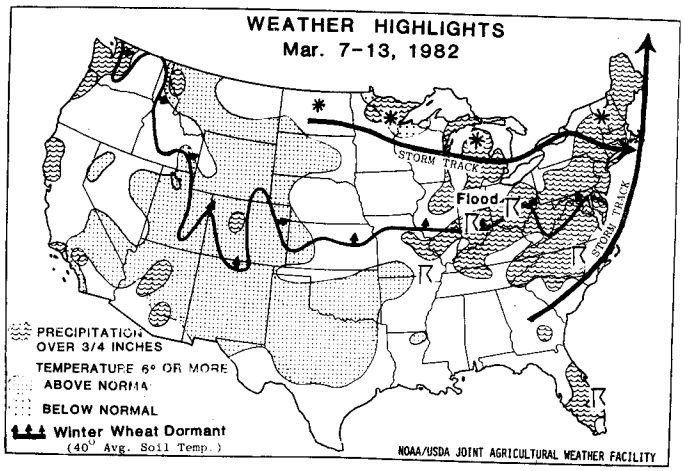
National Weather Summary

March 7-13, 1982



HIGHLIGHTS: Warmer temperatures over nearly all of the Nation melted snow and brought a hint of springtime to most areas. Only parts of the Great Lakes region and the Northeast averaged below normal. Melting snow coupled with moderate rain caused rivers to rise and extensive flooding occurred from northern Illinois through Ohio and in southern Michigan. Heavier rain through the Ohio Valley also flooded lowlands.

SUNDAY...A series of storms moved northeastward out of the Gulf of Mexico and continued the variety of weather over the Eastern States. Snow spread from northern Alabama to Maine and was heavy from the central Appalachians to western Maine. Mixed snow and rain fell early in the day from the eastern portion of the mid-Atlantic States through New England and changed to rain before ending later in the day. Rain with some thunderstorms, covered the area from Florida to Virginia.

MONDAY...Cold air spread over much of the Nation, and freezing temperatures reached the central gulf coast. Snow spread from the northern Plains through the Great Lakes region. A cold front approaching the west coast spread rain from northern California to Washington and snow over the northern Plateau and Rockies.

TUESDAY...Snow fell through the Great Lakes region and extended into the Northeast from the central Appalachians northward. Later, snow and freezing rain spread southward from the Lakes to the mid-Mississippi Valley and changed to rain in the mid-Mississippi and lower Ohio Valley. Out West, rain began in the Northwest and spread to south-central California and across the northern Plateau and Rockies with snow at higher elevations. Strong winds buffeted the eastern slopes of the Rockies and the western Plains from Nebraska northward.

WEDNESDAY...Rain continued over the west coast and extended into parts of southern California, the central and northern Plateau, and the northern Rockies. Snow spread across Montana and North Dakota. Freezing rain began in parts of the upper Mississippi Valley with snow across the lower Great Lakes region and through the Northeast. The snow changed to rain in the southern part of this area, and rain fell from the central Mississippi and Tennessee Valleys, through the Ohio Valley to the mid-Atlantic coast. Thunderstorms were reported in the central Mississippi Valley. Strong winds continued over the western Plains, and temperatures warmed through the South and East.

THURSDAY...Rainshowers covered the West into the Rockies. Warming temperatures caused snowshowers to be confined to only the higher elevations. Light snow fell across the northern Plains. A cold front brought showers to the Northeast from the central Mississippi Valley to the mid-Atlantic States northward. Thunderstorms developed along the cold front from Arkansas through the Ohio Valley. The cold air behind the front was only slightly cooler, and warmer air melted snow over much of the North.

FRIDAY...Showers and a few thunderstorms were scattered from the southern Plateau to Wyoming and Montana. Some heavy showers produced flooding in parts of Arizona, and snow piled up in the central Rockies. Blizzard conditions existed in parts of Colorado and Wyoming. A wedge of cool air over the North Central States was overrun by warm, moist air from the Gulf of Mexico. Showers fell from the eastern Dakotas to the central Mississippi Valley and through the Great Lakes and Ohio Valley. Thunderstorms were occasionally heavy from northern

(Continued on page 19.)

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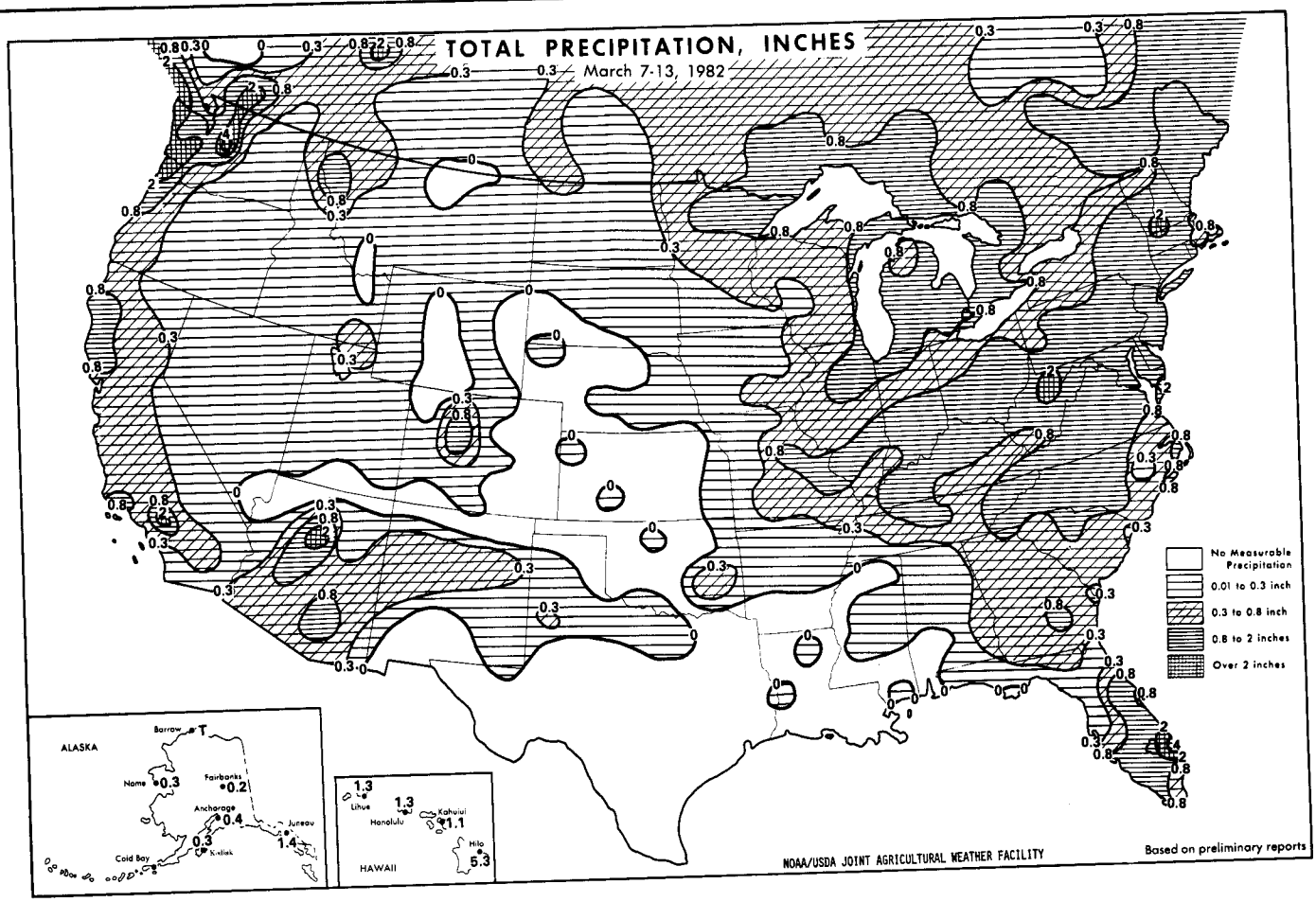
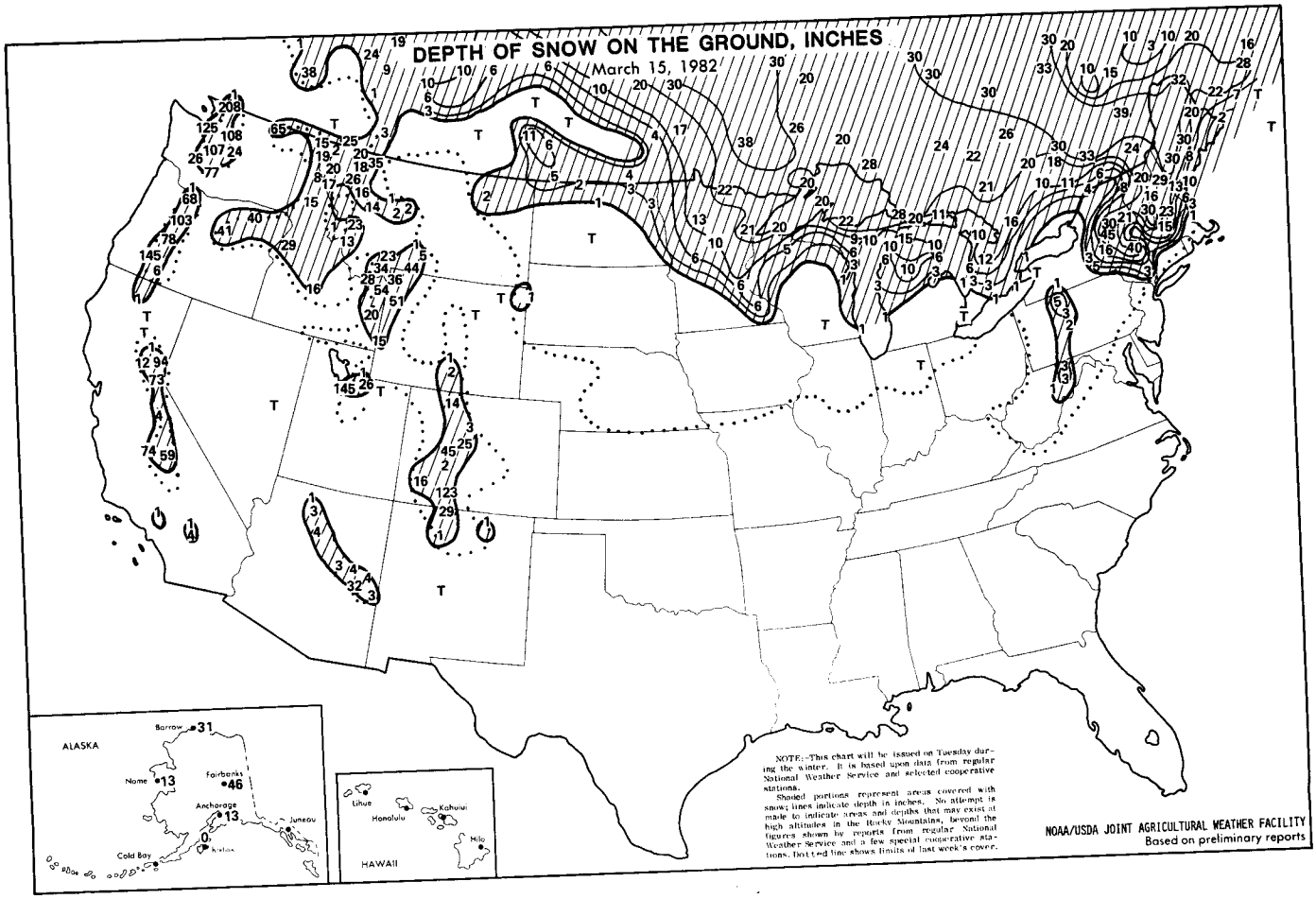
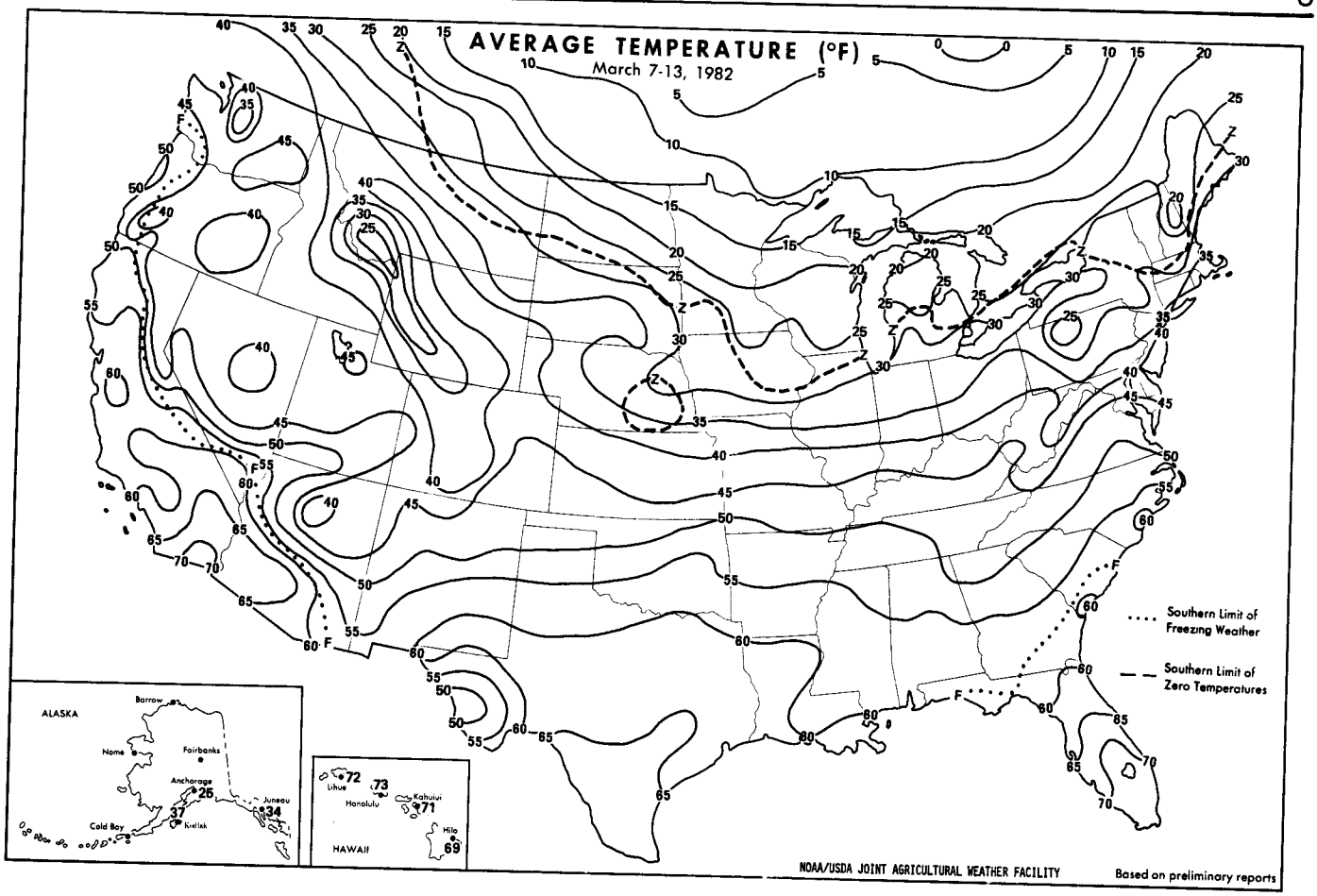
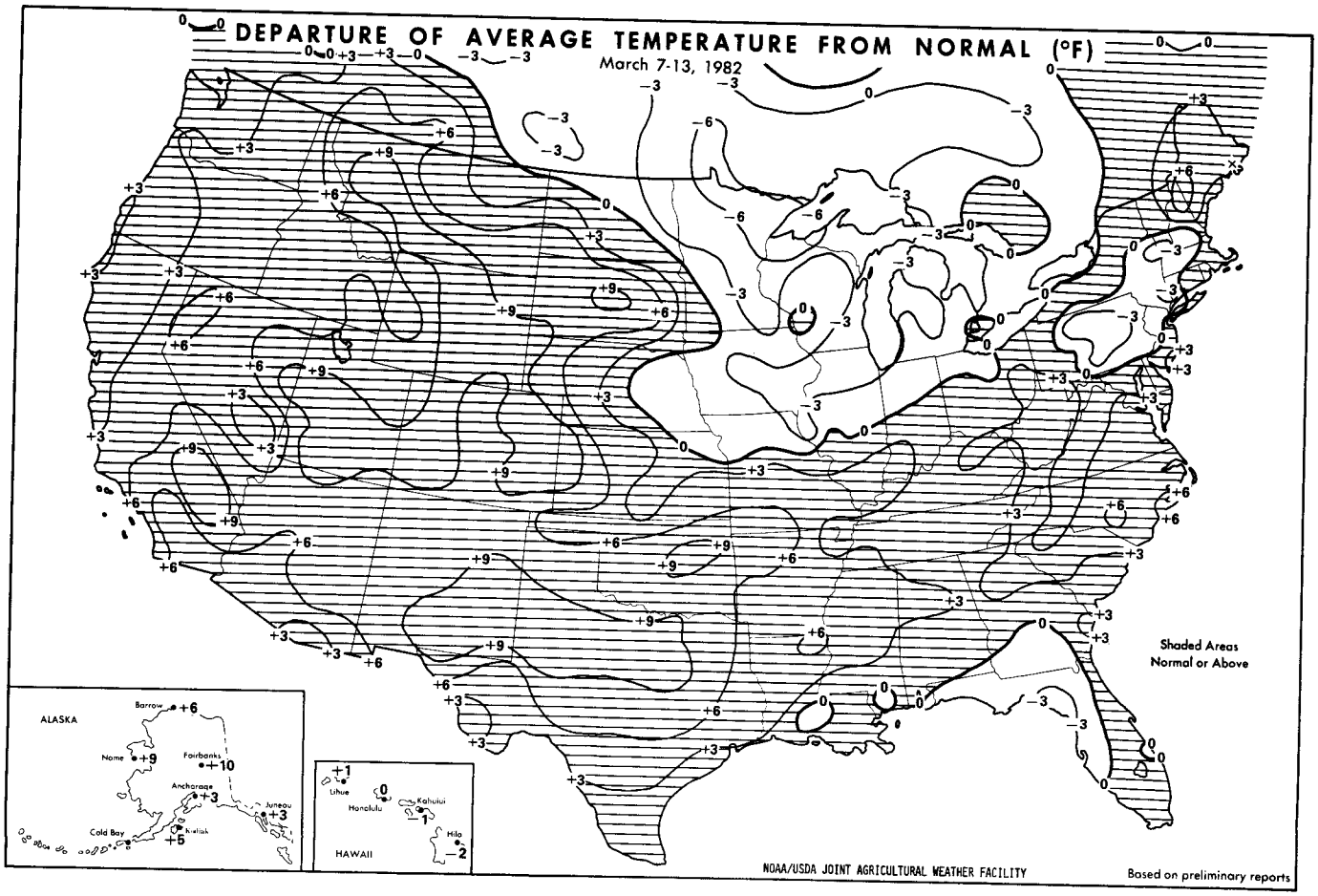

TOTAL PRECIPITATION, INCHES
March 7-13, 1982
No Measurable Precipitation
0.01 to 0.3 inch
0.3 to 0.8 inch
0.8 to 2 inches
Over 2 inches
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPTH OF SNOW ON THE GROUND, INCHES
March 15, 1982
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOTE:—This chart will be issued on Tuesday during the winter. It is based upon data from regular National Weather Service and selected cooperative stations.
Shaded portions represent areas covered with snow; lines indicate depth in inches. No attempt is made to indicate areas and depths that may exist at high altitudes in the Rocky Mountains, beyond the figures shown by reports from regular National Weather Service and a few special cooperative stations. Dotted line shows limits of last week's cover.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


AVERAGE TEMPERATURE (°F)
March 7-13, 1982
Southern Limit of Freezing Weather
Southern Limit of Zero Temperatures
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (°F)
March 7-13, 1982
Shaded Areas Normal or Above
ALASKA
Barrow
Nome
Fairbanks
Anchorage
Juneau
Cold Bay
Kodiak
HAWAII
Lihue
Honolulu
Kahului
Hilo
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Weather Data for the Week Ending Mar. 13, 1982

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 Feb. 28	PCT. NORMAL SINCE Feb. 28	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	68	41	78	23	55	3	.2	- 1.3	.1	1.7	57	15.4	124	89	36	0	3	2	0
MOBILE	71	47	83	28	59	1	T	- 1.6	T	1.3	42	12.3	103	96	41	0	1	0	0
MONTGOMERY	68	44	78	31	56	1	.2	- 1.2	.2	2.7	100	17.5	168	86	42	0	1	1	0
AK ANCHORAGE	32	18	36	8	25	3	.4	.2	.2	.4	133	1.0	56	75	54	0	7	3	0
BARROW	-7	-16	-3	-24	-12	6	T	0	T	0	+100	.6	100	75	61	0	7	0	0
FAIRBANKS	24	7	28	-13	16	10	.2	.1	.1	.2	100	.9	82	82	57	0	7	5	0
JUNEAU	36	31	39	27	34	3	1.4	.6	.6	1.8	113	6.1	71	93	67	0	5	5	1
KODIAK	42	32	48	27	37	5	.3	- .6	.2	.3	17	11.6	103	86	42	0	4	2	0
NOME	22	8	34	-12	15	9	.3	.1	.1	.5	100	3.6	171	81	58	0	7	4	0
AZ PHOENIX	76	55	83	43	65	7	.7	.5	.4	.7	175	2.2	138	59	28	0	0	2	0
PRESCOTT	61	36	71	19	49	6	1.0	.6	.7	1.0	143	4.0	105	84	40	0	2	3	1
TUCSON	75	46	81	35	61	4	1.0	.8	1.0	1.0	250	2.7	135	60	26	0	0	2	1
YUMA	80	55	90	45	67	4	.4	.3	.3	.4	200	.7	88	52	26	1	0	2	0
AR FORT SMITH	65	43	77	26	54	6	.2	- .6	.2	1.0	59	6.5	90	87	46	0	2	1	0
LITTLE ROCK	64	45	76	28	54	5	.1	- 1.0	.1	.5	23	10.3	99	83	55	0	2	2	0
CA BAKERSFIELD	71	54	77	49	62	6	.6	.4	.5	.7	175	1.9	83	77	47	0	0	2	1
EUREKA	59	46	68	39	53	5	.5	- .7	.3	2.9	121	13.0	91	85	61	0	0	5	0
FRESNO	65	47	69	42	56	3	.7	.4	.4	1.1	138	3.7	93	96	56	0	0	4	0
LOS ANGELES	68	56	74	52	62	6	.4	- .1	.4	.8	80	4.2	76	80	50	0	0	2	0
RED BLUFF	61	47	68	40	54	2	.7	.1	.6	2.4	135	7.9	93	93	58	0	0	3	1
SACRAMENTO	63	48	66	43	56	2	.5	- .2	.3	2.0	143	8.9	124	93	65	0	0	4	0
SAN DIEGO	72	58	80	51	65	7	.1	- .2	.1	.1	17	3.5	88	78	41	0	0	3	0
SAN FRANCISCO	60	50	65	45	55	2	.5	- .1	.4	1.6	133	13.3	162	91	70	0	0	5	0
CO DENVER	59	29	68	17	44	9	0	- .2	0	.2	50	.6	40	75	23	0	5	0	0
GRAND JUNCTION	60	37	64	32	48	9	.1	- .1	.1	.5	167	1.3	81	76	29	0	3	2	0
PUEBLO	64	31	74	23	48	10	T	- .1	T	.1	33	.7	70	77	24	0	5	0	0
CT BRIDGEPORT	42	29	54	18	36	0	.8	0	.5	1.1	69	8.5	123	93	63	0	5	4	0
HARTFORD	43	26	54	11	34	1	.9	.1	.4	1.2	75	8.3	109	78	54	0	4	5	0
DC WASHINGTON	56	36	70	26	46	3	1.3	.5	.7	1.4	88	7.0	109	89	40	0	3	4	1
FL APALACHICOLA	68	47	74	38	57	-2	T	- 1.1	T	3.7	176	10.5	121	94	56	0	0	0	0
DAYTONA BEACH	74	51	82	39	63	0	.8	0	.8	2.5	156	6.9	108	91	54	0	0	1	1
JACKSONVILLE	76	44	88	34	60	0	T	- .8	T	2.4	141	7.1	89	99	46	0	0	1	0
KEY WEST	80	69	84	62	74	0	1.2	.8	1.2	2.2	275	4.3	102	89	63	0	0	1	1
MIAMI	80	63	84	54	72	1	.7	.2	.6	1.8	130	3.1	62	93	56	0	0	3	1
ORLANDO	79	53	89	40	66	1	.9	.1	.8	2.0	125	4.8	74	94	43	0	0	2	1
TALLAHASSEE	74	40	87	32	57	-2	.2	- 1.2	.2	2.1	75	11.3	104	97	38	0	1	1	0
TAMPA	75	52	83	40	64	-1	.1	- .8	.1	1.6	39	5.6	81	93	48	0	0	1	0
WEST PALM BEACH	78	62	83	54	70	1	4.1	3.3	3.6	6.4	427	10.0	154	94	59	0	0	2	1
GA ATLANTA	66	42	76	25	54	4	.4	- 1.0	.4	1.0	37	12.7	114	77	39	0	2	1	0
AUGUSTA	69	37	82	25	53	0	.5	- .7	.5	.7	30	8.3	92	97	39	0	2	1	0
MACON	70	42	80	28	56	1	.4	- .8	.4	1.1	46	11.2	113	95	45	0	2	1	0
SAVANNAH	73	45	88	33	59	3	.3	- .7	.3	1.0	50	7.5	100	91	37	0	0	1	0
HI HILO	73	64	78	63	69	-2	5.3	2.1	2.2	10.6	163	24.9	92	95	69	0	0	7	3
HONOLULU	77	68	82	67	73	0	1.3	.6	.8	1.3	93	16.1	206	72	55	0	0	3	2
KAHULUI	77	65	85	64	71	-1	1.1	.4	.7	1.1	79	11.5	158	80	62	0	0	4	1
LIHUE	77	67	80	63	72	1	1.3	.2	.5	2.5	114	21.5	178	88	63	0	0	5	1
ID BOISE	55	31	61	21	43	3	.1	- .2	.1	.5	83	3.8	115	82	40	0	4	1	0
LEWISTON	56	37	63	32	47	5	T	- .2	T	.2	50	2.5	104	80	44	0	2	1	0
POCATELLO	51	28	58	24	40	6	.3	0	.3	.7	140	3.1	124	85	45	0	6	1	0
IL CHICAGO	39	20	60	-1	29	-4	.9	.3	.6	2.0	200	5.3	133	90	53	0	5	4	1
MOLINE	39	18	57	3	29	-4	.5	0	.3	1.2	133	3.7	109	86	53	0	5	3	0
PEORIA	44	22	61	4	33	-1	.9	.3	.3	2.3	203	6.4	145	87	58	0	4	5	0
QUINCY	46	24	67	10	35	-4	.4	- .2	.4	.8	73	5.3	--	91	60	0	4	1	0
ROCKFORD	36	18	57	-2	27	-4	.6	0	.3	1.7	155	3.5	88	85	54	0	5	4	0
SPRINGFIELD	47	26	64	13	37	0	.6	.1	.4	1.5	150	8.0	190	88	60	0	3	5	0
IN EVANSVILLE	56	35	73	21	46	4	.6	- .4	.4	1.3	65	12.3	145	91	47	0	3	4	0
FORT WAYNE	41	22	55	8	32	-2	.6	- .1	.2	2.2	169	9.1	160	92	63	0	6	5	0
INDIANAPOLIS	50	28	68	9	39	2	1.6	.8	1.0	2.3	153	9.7	149	85	55	0	3	5	1
SOUTH BEND	41	22	55	6	32	-1	1.0	.5	.6	1.9	190	6.2	127	89	58	0	6	6	1
IA DES MOINES	41	18	62	2	30	-1	.3	- .2	.2	1.3	144	4.7	157	75	45	0	6	4	0
SIOUX CITY	38	18	58	2	28	-2	.1	- .2	.1	.4	30	2.5	109	88	56	0	5	3	0
WATERLOO	34	17	51	-3	26	-3	.1	- .3	.1	.3	43	2.2	88	83	53	0	6	3	0
KS CONCORDIA	55	26	77	13	41	4	T	- .3	T	.2	33	1.4	70	81	39	0	5	0	0
DODGE CITY	63	29	77	16	46	7	T	- .2	T	0	0	1.5	115	82	25	0	5	1	0
GOODLAND	61	27	74	19	44	9	T	- .2	T	.1	25	.9	90	74	20	0	6	1	0
TOPEKA	56	28	75	18	42	3	T	- .4	T	.1	13	2.5	89	87	43	0	5	0	0
WICHITA	60	31	73	20	45	4	T	- .3	T	0	0	2.5	114	84	34	0	5	0	0
KY BOWLING GREEN	56	37	73	19	46	0	.8	- .4	.5	1.5	55	10.2	86	91	50	0	3	3	0
LEXINGTON	54	35	72	21	44	3	1.1	0	.7	1.5	71	9.2	101	88	42	0	3	3	1
LOUISVILLE	54	32	72	18	43	2	.9	- .3	.5	1.8	78	8.3	90	85	41	0	3	3	1
LA ALEXANDRIA	72	51	83	35	62	7	T	- 1.1	T	.8	36	10.1	--	71	46	0	0	0	0
BATON ROUGE	71	46	82	31	58	0	T	- 1.2	T	1.7	71	11.9	105	97	47	0	1	0	0
LAKE CHARLES	72	50	81	35	61	2	T	- .9	T	.2	11	4.8	48	97	54	0	0	0	0
NEW ORLEANS	74	51	85	36	62	3	T	- 1.3	T	.9	35	11.6	100	83	45	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Mar. 13, 1982

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 Feb. 28	PCT. NORMAL SINCE Feb. 28	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	72	49	83	28	60	5	T	- .9	T	.6	33	7.4	80	89	49	0	1	0	0
ME CARIBOU	33	18	43	-4	25	4	1.0	.5	.8	1.7	170	6.5	130	92	59	0	5	5	1
PORTLAND	36	24	41	8	30	1	1.3	.4	.5	2.0	111	9.7	117	94	68	0	5	6	0
MD BALTIMORE	52	33	67	23	43	2	1.0	.1	.8	1.1	65	8.4	118	87	43	0	4	3	1
SALISBURY	56	34	70	24	45	1	.9	0	.7	2.8	156	11.3	138	95	57	0	3	3	1
MA BOSTON	44	29	63	19	37	1	.7	- .3	.4	1.5	79	8.9	99	96	70	0	4	4	0
CHATHAM	44	25	48	18	34	--	1.1	--	.7	2.7	--	10.8	--	94	57	0	6	5	1
MI ALPENA	31	13	45	-10	22	-2	.8	.4	.3	1.3	163	3.4	97	91	54	0	6	6	0
DETROIT	41	22	57	4	32	-1	.8	.3	.4	1.7	170	6.2	138	95	53	0	4	5	0
FLINT	37	22	52	-3	29	-1	.8	.4	.4	1.2	133	3.3	83	99	68	0	4	6	0
GRAND RAPIDS	39	22	53	4	31	0	1.5	1.0	1.0	1.8	180	5.1	121	88	56	0	5	6	1
HOUGHTON LAKE	31	11	37	-17	21	-3	1.1	.8	.7	1.6	257	4.3	134	87	59	0	6	6	1
LANSING	38	18	52	-2	28	-2	1.0	.5	.4	1.3	130	3.5	80	96	64	0	6	5	0
MARQUETTE	25	5	36	-24	15	-5	.7	.3	.3	.9	113	5.1	128	97	65	0	7	6	0
MUSKEGON	36	19	46	6	28	-2	1.1	.6	.8	1.5	150	6.5	135	90	61	0	6	4	1
SAULT STE. MARIE	27	4	40	-19	16	-6	1.4	1.0	.8	1.8	225	6.8	166	91	57	0	7	5	1
MN ALEXANDRIA	30	8	44	-9	19	-1	.4	.2	.2	.5	125	2.9	193	87	50	0	7	3	0
DULUTH	24	4	35	-19	14	-7	.8	.4	.5	.8	114	3.2	128	81	51	0	7	5	0
INT'L FALLS	22	-1	38	-26	11	-6	.8	.6	.5	.9	225	2.6	130	88	51	0	7	4	0
MINNEAPOLIS	31	14	42	-3	22	-3	.6	.3	.4	.6	100	3.6	171	78	54	0	7	2	0
ROCHESTER	29	14	41	-4	22	-3	.3	- .1	.2	.3	50	2.1	117	90	63	0	7	3	0
MS GREENWOOD	66	45	78	27	56	3	.1	- 1.3	.1	1.0	37	11.9	--	89	52	0	2	1	0
JACKSON	71	45	82	25	58	4	T	- 1.3	T	1.6	62	11.3	103	93	44	0	2	1	0
MERIDIAN	73	43	83	27	58	3	T	- 1.4	T	.9	32	10.7	94	88	42	0	3	1	0
MO CAPE GIRARDEAU	58	39	71	24	48	4	.5	- .3	.3	.7	44	14.1	176	93	49	0	3	3	0
COLUMBIA	56	31	77	19	43	4	.8	.3	.7	1.2	120	5.7	139	81	41	0	3	2	1
KANSAS CITY	54	26	74	14	40	2	.1	- .4	.1	.3	30	4.2	127	85	41	0	5	1	0
SAINT LOUIS	55	31	71	18	43	2	.6	- .1	.5	.7	54	7.0	137	92	43	0	3	2	0
SPRINGFIELD	63	36	79	22	49	8	.3	- .4	.3	.5	38	5.3	113	84	36	0	3	1	0
MT BILLINGS	50	28	65	11	39	8	.1	- .2	T	.3	60	1.3	76	77	35	0	5	2	0
GLASGOW	35	12	43	-14	24	2	.1	.1	.1	.3	+100	1.6	267	78	54	0	7	2	0
GREAT FALLS	46	24	57	5	35	6	.1	- .1	T	.3	75	2.4	114	80	43	0	6	3	0
HAVRE	40	19	57	-2	29	6	T	- .1	T	.2	100	1.5	125	79	50	0	6	0	0
HELENA	52	28	63	19	40	12	T	- .1	T	.1	33	1.5	136	71	31	0	5	1	0
KALISPELL	46	28	49	24	37	8	.3	.1	.1	.6	150	4.8	178	87	46	0	6	4	0
MILES CITY	44	24	58	4	34	6	T	- .1	T	.2	67	1.4	117	84	54	0	7	1	0
MISSOULA	49	32	55	25	41	9	.3	.2	.2	.5	157	3.9	195	91	45	0	4	5	0
NE GRAND ISLAND	45	17	62	-3	31	-2	T	- .2	T	.6	150	1.9	106	85	50	0	7	1	0
LINCOLN	47	17	67	-1	32	-2	.1	- .2	.1	.6	100	1.8	75	86	50	0	6	1	0
NORFOLK	43	15	61	0	29	-1	T	- .2	T	.4	100	2.4	133	85	47	0	7	2	0
NORTH PLATTE	53	20	68	9	36	4	.1	- .1	.1	.7	233	1.0	91	92	38	0	7	1	0
OMAHA	44	18	63	4	31	0	T	- .3	T	.3	50	1.8	78	85	60	0	6	1	0
SCOTTSBLUFF	56	26	70	16	41	7	T	- .1	T	.1	50	.6	60	74	25	0	7	1	0
VALENTINE	48	20	64	5	34	5	T	- .1	T	.3	100	.8	80	72	38	0	7	0	0
NV ELY	54	26	60	18	40	9	.2	0	.2	.4	100	1.9	127	82	33	0	5	1	0
LAS VEGAS	71	49	75	38	60	7	0	- .1	0	0	0	1.2	120	55	22	0	0	0	0
RENO	59	33	65	27	46	7	.1	- .1	.1	.5	125	2.1	88	84	32	0	4	2	0
WINNEMUCCA	57	27	62	20	42	6	.1	- .1	.1	.2	50	.7	32	82	31	0	5	1	0
NH CONCORD	38	20	46	-3	29	-1	1.1	.5	.7	1.4	117	8.4	135	90	67	0	5	5	1
NJ ATLANTIC CITY	54	30	69	20	42	3	.9	- .1	.8	1.9	95	7.9	92	96	53	0	3	2	1
NM ALBUQUERQUE	66	35	72	20	50	6	.5	.3	.4	.7	233	1.2	133	70	25	0	3	2	0
CLOVIS	70	40	77	23	55	10	T	- .1	T	0	0	.7	--	54	21	0	1	1	0
ROSWELL	75	42	82	22	59	9	.1	- .1	.1	.2	50	1.0	77	55	18	0	1	1	0
NY ALBANY	39	21	50	0	30	-1	1.3	.8	1.2	1.6	145	6.8	133	90	56	0	6	5	1
BINGHAMTON	38	21	53	7	29	1	1.0	.4	.7	1.2	100	6.9	123	88	52	0	4	5	1
BUFFALO	39	23	57	10	31	1	.6	- .1	.3	1.2	92	9.4	147	92	57	0	4	5	0
NEW YORK	46	33	59	25	39	1	.8	- .1	.6	1.6	89	8.4	114	86	51	0	3	5	1
ROCHESTER	39	25	53	14	32	2	.3	- .3	.1	.6	50	5.9	100	94	59	0	4	4	0
SYRACUSE	40	24	54	7	32	1	.6	- .1	.3	1.5	107	6.4	96	94	62	0	4	6	0
NC ASHEVILLE	62	33	75	26	47	3	.8	- .3	.6	1.2	57	11.6	132	97	46	0	5	2	1
CHARLOTTE	65	39	80	24	52	3	.9	- .1	.8	1.0	50	10.3	114	92	47	0	3	2	1
GREENSBORO	61	37	77	26	49	3	.9	.1	.9	1.3	81	9.0	113	87	48	0	3	1	1
HATTERAS	63	43	74	27	53	4	1.3	.4	1.3	4.3	239	17.1	174	93	57	0	1	1	1
NEW BERN	70	47	83	35	58	6	.6	- .3	.6	2.4	133	13.8	150	90	46	0	0	2	1
RALEIGH	64	40	80	26	52	5	1.1	.3	1.0	1.8	113	12.0	150	95	43	0	3	2	1
WILMINGTON	69	44	82	33	57	4	.7	- .3	.7	1.2	50	13.4	163	91	42	0	0	2	1
ND BISMARCK	35	10	42	-8	23	1	.1	0	T	.2	100	1.2	109	99	61	0	7	4	0
FARGO	30	6	37	-10	18	-2	.3	.1	.2	.3	100	2.2	200	88	63	0	7	5	0
GRAND FORKS	26	6	36	-7	16	-3	.4	.2	.3	.4	133	2.3	209	96	68	0	7	3	0
WILLISTON	37	11	49	-10	24	3	.2	0	.1	.6	300	2.4	160	88	59	0	7	2	0
OH AKRON-CANTON	45	28	62	16	37	3	.8	.1	.4	1.8	138	7.8	134	86	49	0	4	6	0
CINCINNATI	52	30	70	18	41	2	1.1	.1	.6	2.0	105	10.1	126	85	47	0	4	3	1
CLEVELAND	46	26	62	15	36	2	.8	.1	.5	1.9	146	7.3	124	86	50	0	4	5	0
COLUMBUS	48	27	66	15	38	1	1.2	.4	1.0	1.9	127	8.0	127	83	46	0	5	5	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Mar. 13, 1982

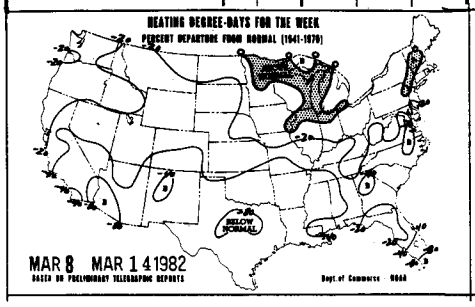
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Feb. 28	PCT. NORMAL SINCE Feb. 28	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	48	25	64	11	36	0	1.0	.3	.5	1.9	136	10.0	156	91	61	0	5	3	0
TOLEDO	41	22	54	7	32	-2	.5	0	.2	1.8	180	6.5	141	98	66	0	4	5	0
YOUNGSTOWN	43	26	59	15	34	2	.5	-.2	.2	1.4	100	7.0	108	91	52	0	4	6	0
OK OKLAHOMA CITY	68	42	79	25	55	9	0	-.4	0	0	0	4.7	162	75	35	0	1	0	0
TULSA	68	42	80	24	55	9	0	-.5	0	0	0	4.3	108	85	41	0	1	0	0
OR ASTORIA	54	41	64	35	47	3	2.8	1.2	.6	5.0	152	29.6	149	90	67	0	0	6	1
BURNS	49	28	53	20	38	4	.1	-.1	.1	.3	60	2.9	88	87	48	0	7	2	0
MEDFORD	56	37	64	27	46	2	.4	0	.2	.8	100	5.6	89	92	51	0	2	3	0
PENDLETON	56	38	64	32	47	4	T	-.2	T	.6	120	2.8	93	77	46	0	1	2	0
PORTLAND	58	42	66	32	50	5	.7	-.2	.2	1.4	78	13.6	123	96	63	0	1	5	0
SALEM	56	38	63	26	47	2	.7	-.4	.3	1.7	77	13.5	102	93	64	0	3	6	0
PA ALLENTOWN	43	24	58	9	34	-2	.9	.1	.6	1.1	59	6.9	97	95	58	0	5	5	1
ERIE	43	25	57	14	34	3	.7	.1	.4	1.3	118	6.3	115	79	42	0	4	5	0
HARRISBURG	44	29	63	20	37	-2	1.1	.3	.7	1.6	107	7.1	113	95	52	0	4	5	1
PHILADELPHIA	51	31	68	23	41	1	1.1	.3	1.0	1.9	119	9.4	145	81	45	0	4	4	1
PITTSBURGH	48	29	63	15	38	2	.6	-.2	.3	1.4	93	7.7	122	74	38	0	4	5	0
SCRANTON	41	24	53	10	32	-2	1.0	.5	.7	1.3	130	6.4	136	84	56	0	5	5	1
RI PROVIDENCE	45	30	60	16	38	3	.7	-.2	.4	2.3	128	11.5	139	96	65	0	3	4	0
SC CHARLESTON	70	43	85	29	56	1	.4	-.7	.4	1.1	52	6.9	88	96	40	0	1	1	0
COLUMBIA	69	40	86	25	55	2	.8	-.3	.8	.9	41	9.0	100	99	36	0	2	1	1
FLORENCE	68	42	85	30	55	3	.3	-.7	.3	.5	28	9.7	128	94	37	0	2	1	0
GREENVILLE	64	38	79	21	51	2	.5	-.8	.5	.6	24	12.1	113	86	40	0	2	1	0
SD ABERDEEN	38	21	55	0	30	6	--	--	--	--	--	--	--	84	47	0	6	0	0
HURON	44	22	61	6	33	7	T	-.2	T	.1	25	1.6	107	93	57	0	5	1	0
RAPID CITY	51	20	67	11	35	6	T	-.2	T	.2	50	1.0	71	85	39	0	7	0	0
SIOUX FALLS	40	17	60	2	29	2	.1	-.2	T	.2	33	1.1	50	87	46	0	6	3	0
TN CHATTANOOGA	62	34	75	24	48	0	.4	-.9	.3	1.3	50	15.6	121	87	42	0	4	2	0
KNOXVILLE	62	38	75	27	50	2	1.0	-.2	.6	2.2	92	13.8	121	88	47	0	2	2	1
MEMPHIS	61	44	71	27	53	4	.1	-1.0	.1	.7	30	11.5	100	89	50	0	2	2	0
NASHVILLE	58	36	71	16	47	1	1.2	.1	.6	1.5	68	12.9	117	92	50	0	2	4	1
TX ABILENE	77	48	90	26	62	10	T	-.2	T	0	0	2.2	96	70	25	1	1	0	0
AMARILLO	69	32	78	20	51	7	T	-.1	T	.1	50	.7	64	75	17	0	3	1	0
AUSTIN	77	54	86	34	65	8	T	-.4	T	.1	10	1.7	30	87	46	0	0	0	0
BEAUMONT	72	54	80	33	63	4	T	-.7	T	.3	20	5.7	60	91	57	0	0	0	0
BROWNSVILLE	80	55	88	37	68	1	0	-.1	0	0	0	.8	27	90	45	0	0	0	0
CORPUS CHRISTI	76	54	83	32	65	1	0	-.2	0	0	0	6.3	158	97	56	0	1	0	0
DEL RIO	80	52	92	30	66	5	0	-.1	0	0	0	2.6	130	84	38	1	1	0	0
EL PASO	77	47	84	25	62	9	T	-.1	T	0	0	.8	80	40	17	0	2	0	0
FORT WORTH	73	51	82	33	62	9	T	-.5	T	.3	30	4.7	96	87	47	0	0	1	0
GALVESTON	68	55	73	39	62	2	T	-.6	T	.5	38	8.1	127	88	62	0	0	0	0
HOUSTON	74	51	82	30	63	3	T	-.6	T	.3	23	3.7	46	97	51	0	1	0	0
LUBBOCK	75	41	83	23	58	11	.2	-.1	.2	.2	40	.7	50	56	16	0	1	1	0
MIDLAND	80	42	88	24	61	8	0	-.1	0	0	0	.6	50	71	14	0	2	0	0
SAN ANGELO	79	47	89	24	63	8	0	-.2	0	0	0	2.7	129	84	27	0	1	0	0
SAN ANTONIO	76	51	87	27	63	4	T	-.3	T	0	0	1.9	45	92	44	0	1	0	0
VICTORIA	74	52	82	30	63	3	T	-.4	T	0	0	5.8	123	95	55	0	1	0	0
WACO	75	53	84	27	64	9	0	-.5	0	.1	9	3.4	65	89	45	0	1	0	0
WICHITA FALLS	75	42	91	24	58	8	T	-.3	T	0	0	2.2	85	87	34	1	1	1	0
UT BLANDING	56	31	60	28	43	7	.2	0	.2	--	--	--	--	--	--	0	4	2	0
CEDAR CITY	59	35	64	28	47	10	T	-.2	T	.3	75	3.9	205	65	26	0	3	1	0
SALT LAKE CITY	56	35	64	27	46	8	.2	-.1	.2	1.1	183	2.8	93	77	34	0	2	2	0
VT BURLINGTON	36	20	46	-2	28	2	.7	.3	.5	.9	113	5.2	124	96	66	0	4	5	1
VA NORFOLK	60	39	80	27	50	3	.4	-.4	.3	1.8	113	10.9	138	87	45	0	2	2	0
RICHMOND	61	39	74	32	50	5	1.3	.5	1.2	1.8	113	9.1	126	89	46	0	2	2	1
ROANOKE	57	33	72	21	45	1	.9	.1	.7	1.0	63	9.6	135	83	38	0	5	3	1
WA COLVILLE	50	33	56	24	42	6	.2	-.1	.2	1.4	233	5.5	138	--	--	0	4	4	0
QUILLAYUTE	51	34	60	25	43	0	3.0	.4	1.2	6.8	128	45.8	150	99	62	0	2	6	2
SEATTLE-TACOMA	51	38	57	35	44	1	1.4	.5	.4	2.7	150	15.1	131	90	57	0	0	6	0
SPOKANE	50	32	55	28	41	5	.2	-.1	.2	.8	133	4.1	89	85	51	0	5	3	0
YAKIMA	57	31	64	27	44	4	T	-.1	T	.3	150	2.1	91	80	41	0	4	1	0
WV BECKLEY	52	32	66	19	42	4	.7	-.3	.4	.9	47	6.7	78	90	47	0	3	3	0
CHARLESTON	57	36	73	25	46	4	1.8	.9	.8	2.3	128	9.3	115	86	39	0	4	3	2
HUNTINGTON	55	34	71	23	45	2	1.4	.5	.6	1.9	106	8.8	116	81	38	0	5	4	1
PARKERSBURG	52	33	66	24	43	2	1.3	.4	.7	2.1	117	6.1	72	80	41	0	4	3	1
WI GREEN BAY	31	14	43	-4	23	-3	.7	.4	.6	.7	140	2.2	81	92	57	0	6	4	1
LA CROSSE	33	19	45	0	26	-2	.2	-.2	.2	.2	29	1.7	68	86	57	0	5	2	0
MADISON	34	14	51	-4	24	-3	.5	.1	.3	1.0	143	2.6	96	89	57	0	6	5	0
MILWAUKEE	35	17	51	-4	26	-3	.8	.3	.5	1.8	225	4.9	140	84	52	0	6	4	1
WAUSAU	31	13	41	-4	22	-1	.5	.2	.5	.5	33	2.4	83	91	49	0	7	3	1
WY CASPER	54	26	62	17	40	11	T	-.2	T	.1	33	1.3	108	76	21	0	6	3	0
CHEYENNE	51	27	62	21	39	9	T	-.2	T	.1	25	.7	54	78	29	0	7	1	0
LANDER	51	25	58	18	38	9	T	-.2	T	.2	50	.9	56	67	24	0	6	0	0
SHERIDAN	53	25	67	19	39	10	.2	0	.1	.4	100	1.3	72	78	30	0	7	3	0
PR SAN JUAN	83	72	84	70	78	2	.1	-.3	.1	1.0	111	9.7	143	88	61	0	0	4	0

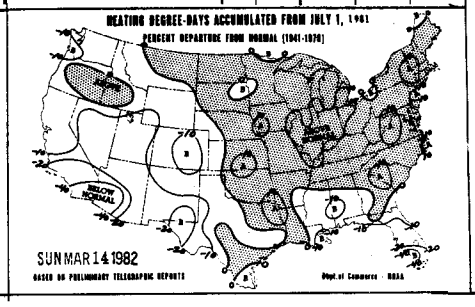
BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

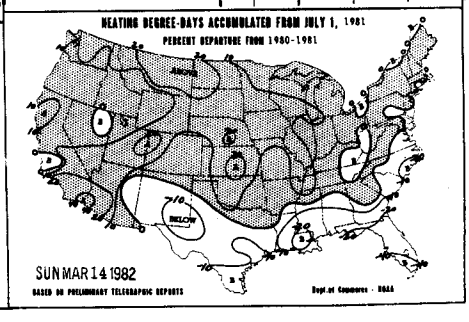
HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING MAR. 14, 1982.

BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1981.

STATES AND STATIONS	WEEKLY TOTAL	WEEKLY DEPARTURE*	SEASONAL ACCUMULATION + TOTAL	SEASONAL ACCUMULATION + DEPARTURE*	SEASONAL ACCUMULATION + DEPARTURE FROM 1980-81
ALA. BIRMINGHAM	60	-39	2515	-12	-168
MOBILE	38	-20	1483	-64	-225
MONTGOMERY	46	-30	2008	-40	-258
ARIZ. FLAGSTAFF	174	-49	4765	-688	490
PHOENIX	10	-37	787	-621	176
TUCSON	34	-27	1255	-302	101
WINSLOW	91	-60	3424	-507	-76
YUMA	0	-25	558	-382	189
ARK. FORT SMITH	68	-51	3239	274	236
LITTLE ROCK	61	-58	2982	8	107
CALIF. BAKERSFIELD	19	-45	1509	-382	-31
EUREKA	101	-18	3071	-187	168
FRESNO	63	-20	2168	-69	189
LOS ANGELES	25	-38	863	-433	185
RED BLUFF	75	-14	2096	-116	328
SAN DIEGO	31	-19	602	-517	108
SAN FRANCISCO	71	-13	2196	-28	191
STOCKTON	53	-38	2155	-162	113
COLO. DENVER	132	-75	4193	-518	299
GRAND JUNCTION	109	-69	4503	-175	759
PUEBLO	87	-100	3922	-499	168
CONN. BRIDGEPORT	193	-8	4727	436	133
HARTFORD	201	-18	5162	36	-127
DEL. WILMINGTON	139	-38	4299	225	-22
D.C. WASHINGTON	112	-40	3630	53	324
FLA. APALACHICOLA	42	-4	1095	-161	-440
DAYTONA BEACH	23	-9	761	-70	347
FORT MYERS	8	-6	225	-218	-262
JACKSONVILLE	37	-9	1123	-105	-360
KEY WEST	0	0	50	-12	-122
LAKELAND	19	-3	566	-72	-313
MIAMI	1	-6	151	-54	-108
ORLANDO	16	-9	550	-133	-260
TALLAHASSEE	41	-8	1493	-42	-254
TAMPA	19	-5	584	-90	-324
WEST PALM BEACH	2	-5	253	-42	-85
GA. ATLANTA	54	-57	2753	39	78
AUGUSTA	67	-21	2719	430	178
MACON	48	-28	2035	2	34
SAVANNAH	41	-25	1676	-98	-280
IDAHO. BOISE	151	-25	4705	83	377
LEWISTON	121	-41	4137	-215	385
POCATELLO	182	-35	5470	-54	240
ILL. CAIRO	98	-40	3857	497	416
CHICAGO	224	3	5809	528	545
MOLINE	227	4	5939	629	651
PEORIA	199	-11	5295	230	191
ROCKFORD	240	7	6066	460	519
SPRINGFIELD	172	-24	5175	510	549
IND. EVANSVILLE	123	-39	4115	163	98
FORT WAYNE	215	0	5696	635	476
INDIANAPOLIS	158	-33	5082	445	255
SOUTH BEND	219	-4	5670	451	812
IOWA. BURLINGTON	217	4	5734	616	631
DES MOINES	215	-20	5759	202	735
DUBUQUE	240	-7	6444	492	848
SIOUX CITY	229	-12	6235	465	909
KANS. CONCORDIA	150	-46	4883	211	751
DODGE CITY	125	-54	4218	20	572
GOODLAND	143	-71	4665	-240	285
TOPEKA	142	-41	4672	255	473
WICHITA	123	-43	4375	387	760
KY. LEXINGTON	129	-37	4215	228	-1
LOUISVILLE	130	-33	4094	164	267
LA. BATON ROUGE	40	-14	1411	-136	-418
LAKE CHARLES	27	-25	1444	-60	-276
NEW ORLEANS	28	-21	1104	-161	-243
SHREVEPORT	24	-50	2199	235	40
MAINE. CARIBOU	267	-38	7452	-34	-10
PORTLAND	234	-11	5939	118	41
MD. BALTIMORE	136	-32	4259	316	174
MASS. BOSTON	189	-12	4824	358	6
MICH. ALPENA	284	-3	6724	171	236
DETROIT	222	0	5834	667	247
FLINT	228	-14	6179	585	343
GRAND RAPIDS	227	-11	5778	341	213
HOUGHTON LAKE	285	-1	6721	175	151
LANSING	226	-14	6113	586	288
MARQUETTE	308	-8	7703	293	347
MUSKEGON	241	1	5913	498	261
S. STE. MARIE	339	36	7765	720	127
MINN. DULUTH	327	19	8109	472	557
INTERNATL FALLS	350	19	8435	10	352
MINNEAPOLIS	270	-7	6953	290	822
ROCHESTER	271	-8	7102	434	850
ST. CLOUD	299	6	7343	149	681
MISS. JACKSON	38	-42	2035	-43	-394
MERIDIAN	40	-40	1909	-252	-321
MO. COLUMBIA	131	-49	4604	325	216
KANSAS CITY	152	-33	4894	383	558
ST. LOUIS	131	-39	4528	492	596
SPRINGFIELD	92	-71	4033	161	282
MONT. BILLINGS	173	-67	5643	-28	1101
GLASGOW	270	-28	7456	269	1634
GREAT FALLS	194	-60	6399	481	1233
HAVRE	235	-53	7291	315	1505
HELENA	166	-88	5996	-377	486
KALISPELL	194	-60	6586	-38	901
MILES CITY	208	-51	6537	190	1348
MISSOULA	172	-62	6101	-92	710
NEBR. GRAND ISLAND	209	-13	5746	469	1030
LINCOLN	194	-23	5513	339	783
NORFOLK	225	-18	6020	281	931
NORTH PLATTE	181	-47	5474	-40	563
OMAHA	202	-10	5812	747	576
VALENTINE	172	-80	5977	131	773
NEV. ELY	168	-66	5206	-664	17
LAS VEGAS	30	-51	1879	-432	233
RENO	126	-54	4186	-413	113
WINNEMUCCA	151	-48	4504	-573	52
N.H. CONCORD	248	6	6378	525	112
N.J. ATLANTIC CITY	146	-34	4265	226	-490
TRENTON	158	-22	4473	409	185
N.MEX. ALBUQUERQUE	86	-58	3404	-252	-52
ROSWELL	34	-88	2617	-641	-395
N.Y. ALBANY	237	0	6166	593	272
BINGHAMTON	237	-15	6038	282	-11
BUFFALO	222	-23	5726	299	332
NEW YORK	164	-20	4249	258	-106
ROCHESTER	229	-10	5830	505	297
SYRACUSE	223	-15	5729	422	131
N.C. ASHEVILLE	112	-33	3700	145	72
CHARLOTTE	78	-38	3075	252	-64
GREENSBORO	97	-38	3566	262	68
HATTERAS	77	-36	2518	245	-246
RALEIGH	75	-51	3161	112	-136
WILMINGTON	58	-32	2263	97	-449
N.DAK. BISMARCK	268	-31	7512	206	1300
FARGO	297	-9	7976	444	983
WILLISTON	262	-40	7489	113	1286
OHIO. AKRON-CANTON	183	-33	5155	137	-3
CINCINNATI	152	-25	4803	572	83
CLEVELAND	189	-28	5322	393	42
COLUMBUS	176	-19	5115	413	364
DAYTON	179	-17	5073	421	125
TOLEDO	214	-5	5949	782	315
YOUNGSTOWN	202	-21	5519	367	-124
OKLA. OKLAHOMA CITY	54	-79	3321	97	317
TULSA	53	-79	3304	80	302
OREG. ASTORIA	132	-15	3366	-419	310
BURNS	189	-22	5971	457	464
MEDFORD	129	-18	3609	-206	161
PENDLETON	127	-29	4024	-163	79
PORTLAND	109	-31	3196	-457	218
SALEM	135	-7	3649	6	246
PA. ALLENTOWN	206	4	5102	352	436
ERIE	206	-32	5296	-30	-142
HARRISBURG	175	-7	4678	316	-165
PHILADELPHIA	153	-22	4418	394	78
PITTSBURGH	170	-33	5298	449	96
SCRANTON	212	-5	5391	297	137
R.I. PROVIDENCE	179	-29	5030	323	60
S.C. CHARLESTON	53	-24	2081	145	-79
COLUMBIA	58	-34	2490	151	-237
GREENVILLE	86	-27	3101	323	41
S.DAK. ABERDEEN	223	-62	7009	-7	916
HURON	195	-76	6500	-81	695
RAPID CITY	179	-72	5829	108	951
SIOUX FALLS	228	-36	6498	90	683
TENN. CHATTANOOGA	102	-19	3218	157	-9
KNOXVILLE	97	-24	3259	229	-237
MEMPHIS	62	-54	2676	115	445
NASHVILLE	106	-26	3396	169	76
TEXAS. ABILENE	17	-72	2152	-177	-91
AMARILLO	87	-60	3457	-64	3
AUSTIN	14	-44	1381	-213	-221
BEAUMONT	18	-34	1393	-2	100
BROWNSVILLE	8	-16	547	-68	-106
CORPUS CHRISTI	11	-21	871	-8	195
DEL RIO	13	-30	1310	-128	-112
EL PASO	25	-58	2145	-293	187
FORT WORTH	17	-69	2199	60	26
GALVESTON	13	-36	1150	-28	-196
HOUSTON	19	-31	1315	-14	-119
LUBBOCK	40	-86	2766	-314	-116
MIDLAND	25	-63	2168	-193	-467
SAN ANGELO	14	-59	2135	101	3
SAN ANTONIO	18	-33	1492	-37	-8
VICTORIA	16	-26	1187	-43	-110
WACO	12	-60	1922	-47	-59
WICHITA FALLS	36	-67	2732	145	278
UTAH. SALT LAKE CITY	135	-53	4274	-509	105
VT. BURLINGTON	244	-24	6509	244	1
VA. LYNCHBURG	134	-15	3974	377	206
NORFOLK	96	-36	3143	190	-102
RICHMOND	84	-58	3510	133	-127
ROANOKE	126	-24	4138	512	323
WASH. QUILLAYUTE	158	-3	4183	-76	474
SEATTLE-TACOMA	145	-4	3611	-260	323
SPOKANE	167	-34	5120	-234	242
WALLA WALLA	112	-31	3579	-354	0
YAKIMA	149	-21	4745	-95	749
W.VA. BECKLEY	146	-41	4794	-229	-9
CHARLESTON	117	-42	4129	-258	-81
HUNTINGTON	133	-28	4236	-343	80
PARKERSBURG	139	-29	4356	-320	-101
WIS. GREEN BAY	275	3	6841	-371	480
LACROSSE	255	-2	6529	-420	622
MADISON	257	-3	6619	-388	655
MILWAUKEE	254	3	6447	-573	651
WYO. CASPER	161	-89	5580	-224	504
CHEYENNE	169	-76	5188	-303	477
LANDER	180	-68	5599	-537	349
SHERIDAN	178	-73	5657	-322	489







Heating Degree Days (Base 65° F.)

February 1982

ALA. Birmingham	503
Mobile	323
Montgomery	436
ALASKA, Anchorage	1382
Barrow	2002
Fairbanks	1920
Juneau	--
Nome	--
ARIZ. Flagstaff	963
Phoenix	151
Tucson	291
Winslow	690
Yuma	108
ARK. Fort Smith	706
Little Rock	696
CALIF. Bakersfield	262
Eureka	430
Fresno	403
Los Angeles	165
Red Bluff	418
Stockton	396
San Diego	119
San Francisco	364
COLO. Denver	918
Grand Junction	841
Pueblo	--
CONN. Bridgeport	897
Hartford	996
D.C. Washington	743
FLA. Apalachicola	162
Ft. Myers	5
Jacksonville	126
Key West	0
Lakeland	--
Miami	1
Orlando	21
W. Palm Beach	2
Tallahassee	204
Tampa	24
GA. Atlanta	486
Augusta	446
Macon	344
Savannah	358
IDAHO, Boise	974
Lewiston	787
Pocatello	1161
ILL. Cairo	787
Chicago	1213
Moline	1214
Peoria	1119
Rockford	1268
Springfield	1139
IND. Evansville	914
Fort Wayne	1216
Indianapolis	1075
South Bend	1178
IOWA, Burlington	--
Des Moines	1175
Dubuque	--
Sioux City	1245
KANS. Concordia	1050
Dodge City	979
Goodland	1019
Topeka	1014
Wichita	1033
KY. Lexington	840
Louisville	837
LA. Baton Rouge	336
Lake Charles	368
New Orleans	206
Shreveport	537
MAINE, Caribou	1499
Portland	1161
MD. Baltimore	808
MASS. Boston	948
Chatham	911
MICH. Alpena	1331
Detroit	1237
Flint	1246
Grand Rapids	1196
Houghton Lake	1315
Lansing	1259
Marquette	1480
S. Ste. Marie	1495
MINN. Duluth	1523
Internatl Falls	1638
Minneapolis	1374
Rochester	1363
St. Cloud	1479
MISS. Jackson	450
Meridian	381
MO. Columbia	955
Kansas City	1037
St. Louis	1015
Springfield	850
MONT. Billings	1028
Glasgow	1558
Great Falls	1271
Havre	1475
Helena	1153
Kalispell	1226
Miles City	--
Missoula	1182
NEBR. Grand Island	1148
Lincoln	1159
Norfolk	1188
North Platte	1030
Omaha	1143
Valentine	1100
NEV. Ely	960
Las Vegas	398
Reno	687
Winnemucca	811
N.H. Concord	1233
N.J. Atlantic City	787
Trenton	848
N.MEX. Albuquerque	709
Roswell	616
N.Y. Albany	1160
Binghamton	1135
Buffalo	1163
New York	832
Rochester	1171
Syracuse	1114
N.C. Asheville	656
Charlotte	544
Greensboro	616
Hatteras	482
Raleigh	538
Wilmington	396
N.DAK. Bismarck	1577
Fargo	1570
Williston	1485
OHIO. Akron-Canton	1037
Cincinnati	956
Cleveland	1109
Columbus	997
Dayton	1039
Toledo	1250
Youngstown	1098
OKLA. Okla. City	759
Tulsa	747
OREG. Astoria	581
Burns	1123
Medford	660
Pendleton	747
Portland	596
Salem	649
PA. Allentown	976
Erie	1159
Harrisburg	948
Philadelphia	850
Pittsburgh	1017
Scranton	1034
R.I. Providence	932
S.C. Charleston	372
Columbia	425
Greenville	533
S.DAK. Aberdeen	--
Huron	1319
Rapid City	1146
Sioux Falls	1247
TENN. Chattanooga	597
Knoxville	606
Memphis	680
Nashville	707
TEX. Abilene	570
Amarillo	809
Austin	400
Beaumont	357
Brownsville	187
Corpus Christi	275
Dallas	--
Del Rio	353
El Paso	449
Fort Worth	569
Galveston	333
Houston	363
Lubbock	635
Midland	535
San Angelo	532
San Antonio	430
Victoria	275
Waco	486
Wichita Falls	689
UTAH, Milford	965
Salt Lake City	909
VT. Burlington	1277
VA. Lynchburg	731
Norfolk	636
Richmond	645
Roanoke	746
WASH. Colville	--
Omak	--
Quillayute	678
Seattle-Tacoma	636
Spokane	912
Walla Walla	672
Yakima	783
W.VA. Beckley	856
Charleston	801
Huntington	845
Parkersburg	849
WIS. Green Bay	1372
Madison	1279
Milwaukee	1272
WYO. Casper	1097
Cheyenne	1025
Lander	1100
Sheridan	1087

FEBRUARY STREAMFLOW SHOWS SHARP UPTURN

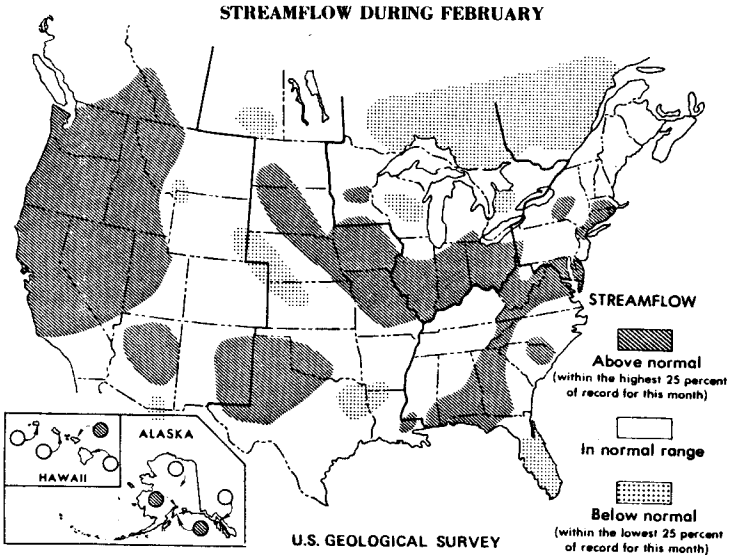
U.S. GEOLOGICAL SURVEY - Dep't. of the Interior

Streamflow conditions across the country took a strong upturn during February, with many streams in a broad band from Maryland through the Ohio Valley and into the Midwest and the Dakotas and much of the Far West reporting well-above normal streamflows according to a month-end check of water resources conditions by the U.S. Geological Survey, Department of the Interior.

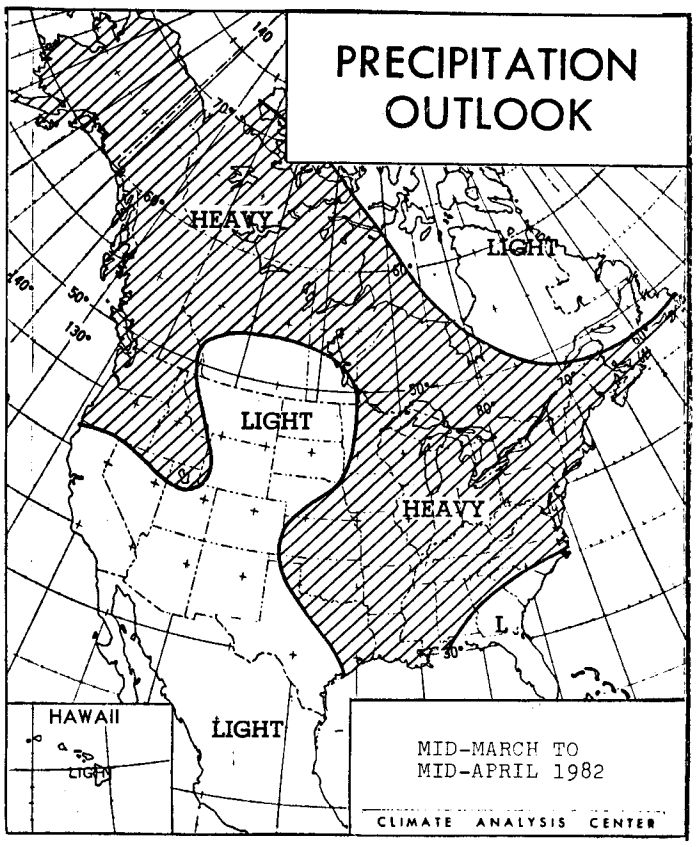
USGS hydrologists said that the strong February upturn was reflected in the combined flow or the nation's "Big Five" rivers--Mississippi, Ohio, St. Lawrence, Missouri and Columbia--which averaged 1,180 billion gallons a day (bgd) during February, 47 percent above normal and the highest flow above the monthly average in more than two years. Hydrologists use the Big Five, which together drain more than half of the conterminou United States, as a quick check on the status of the nation's water resources.

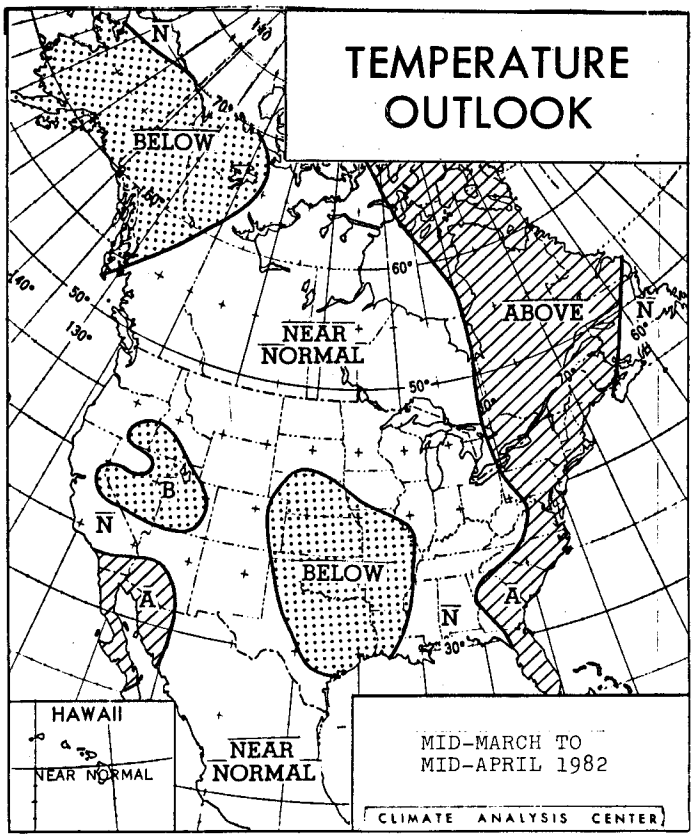
As a further indication of the improved water situation, many of the smaller streams and rivers across the country also reflected the general upturn. Nearly one-half of the 163 key index gaging stations across the country reporting during February showed streamflow in the excessive range--within the highest 25 percent of record. In contrast, during February 1981, nearly one-half of those same gaging stations were reporting deficient streamflow--within the lowest 25 percent of record.

Streamflow in the Southeast, which began to show signs of improvement last month after being well-below normal during most of 1981, also made major gains during February. From Virginia south to the Florida panhandle and west to Louisiana, 90 percent of the key index gaging stations reported normal to above-normal flows for February. Much of the Florida peninsula, however, remain dry, with many streams still reporting well-below normal flows.



Individual flows of the Big Five for February: Mississippi River near Vicksburg, Miss., 645 billion gallons a day (bgd), 47 percent above normal and 80 percent above January's flow; St. Lawrence River near Massena, N.Y., 162 bgd, 8 percent above normal and 4 percent above last month; Ohio River at Louisville, Ky., 164 bgd, 45 percent above normal and 56 percent above January; Columbia River at The Dalles, Ore., 127 bgd, 89 percent above normal and 41 percent above last month; and Missouri River at Hermann, Mo., 83 bgd, 161 percent above normal and 114 percent above January.





National Agricultural Summary

MARCH 8-14, 1982

HIGHTLIGHTS: Snow melt and heavy rain caused floods throughout the Midwest, damaging winter grain fields. Many fields remained too wet for spring fieldwork. Unseasonably mild weather over the Great Plains promoted growth of winter wheat and pastures. Farmers across the South had 2 to 5 days suitable for fieldwork. Field preparations in this area continued to lag behind schedule because of wet conditions during the spring. Soil moisture supplies are still rated adequate to surplus. Corn planting became more widespread in the South. Sorghum planting centered in Texas. Cotton planting gained momentum in Arizona and Texas. Tobacco growers prepared plantbeds and seeded the new crop. Deciduous fruit growers pruned and sprayed trees in northern areas. Vegetable harvesting and planting was confined to southern areas. Pastures were in fair to good condition and were improving due to milder weather and good moisture supplies. Calving and lambing continued active.

SMALL GRAINS: Winter wheat was greening as far north as Nebraska and in southern areas of the Corn Belt. The crop was in fair to mostly good condition. Topdressing and weed control became more widespread.

Kansas fields made excellent growth as mild weather and generally favorable moisture conditions prevailed. Wheat pastures were in good to excellent condition, but livestock were being moved off fields intended for grain. Spring seeding of oats and barley gained momentum. Early seeded fields began emerging. Oklahoma wheat was in good condition; 15% of the acreage was jointing compared to an average for this date of 10%. Wheat fields in Texas responded to warmer temperatures, but most areas need more rain for good growth. Growers were spraying for greenbugs and topdressing the crop in the Cross-Timbers area. Scattered fields in south central Texas and the Coastal Bend areas were beginning to boot. Growers in the Corn Belt topdressed fields wherever conditions permitted. Flooding damaged some fields in parts of Ohio. Montana winter wheat was in fair to good condition with very little wind damage reported.

OTHER CROPS: Corn planting became widespread throughout the South, reaching 17% completion in Alabama, 11% in Louisiana, 10% in Georgia, and 12% in Texas. Wet fields slowed progress in some areas.

Louisiana rice planting was 3% complete, compared to last year's 9% and the average of 6%.

Tobacco growers continued preparing plantbeds and, in many areas, seeded the crop. Transplanting remained active in Florida and Georgia.

In Arizona, cotton field preparation and planting accelerated as field conditions allowed. Planting in western areas of the State neared 30% completion. Stands were good due to favorable soil temperatures. In Texas, 3% of the acreage was planted, about on schedule. Planting gained momentum in the Lower Valley and Coastal Bend areas. Some replanting was necessary due to fields being washed out by heavy rains. Preirrigation of cotton fields was active in the San Joaquin Valley of California.

In Texas, sorghum planting reached 13%, lagging last year's 24% and the 21% average. Planting was in full swing in south central areas of the State.

FRUITS AND NUTS: Deciduous fruit growers pruned and sprayed trees in northern areas. As far north as Virginia, buds began to crack and show color on early varieties of peach and apple trees.

Florida's citrus groves were in very good condition. Soil moisture was adequate causing abundant new growth. Early and midseason orange harvests were virtually finished. Picking of Valencia oranges was slow, but grapefruit harvest was very active.

Arizona's lemon, grapefruit, and Valencia orange harvests made good progress. Groves were flushed with new growth and blooming increased.

California's avacado harvest continued active. Early varieties of grapes were budding. The Navel orange harvest was at peak activity with excellent quality fruit being picked. The lemon harvest was slowed by a pickers strike in Ventura County. Walnut pruning neared completion.

VEGETABLES: Growers in some northern areas began preparing land for planting and, in a few areas, seeded early season crops such as peas, onions, carrots, and potatoes.

Florida's vegetable shipments increased 22% from the previous week. The only crops registering declines were carrots, cauliflower, lettuce, okra, and radishes. The strawberry harvest remained very active; quality and size were reported good. Watermelon planting continued in the north; crop conditions were good in the south.

Unusually warm temperatures in Arizona accelerated the growth of most vegetable crops. The lettuce harvest in the Yuma area slowed due to poor market conditions. Limited harvesting started in central areas. Harvests of other crops made seasonal progress.

In the Rio Grande Valley of Texas, harvesting of spring onions and carrots continued, but spinach and cabbage harvests neared completion. Planting of spring vegetables was getting into full swing in the San Antonio-Winter Garden area. Preplanting activities continued in the Coastal Bend area, and some planting had started on a limited bases. In East Texas, watermelon and tomato planting was underway. Onion planting began in North Texas. In the Trans Pecos region, potato planting was expected to start soon.

California growers harvested asparagus in Desert areas, but cool, wet weather hampered cutting in the Delta and Salinas Valley regions. Broccoli harvests increased on the Central Coast. The lettuce harvest was virtually complete in the Imperial Valley but was still active in the Blyth area. Spring potato planting neared completion, but sweetpotato beds were still being prepared. Strawberries were harvested in southern areas. Processing tomatoes were being planted; early-planted fields had emerged. Transplanting of market tomato plants was active in southern areas.

PASTURES AND LIVESTOCK: Pastures in the South were in fair to good condition and generally improving due to plentiful soil moisture and warmer temperatures. However, additional moisture is needed in Texas to sustain growth. Ranchers stepped up the movement of cattle from winter wheat pastures earmarked for grain harvest.

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 Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 5 to 10° above normal. Rainfall less than 1.00 in. extreme north.

Fieldwork: 3.6 days. Soil moisture mostly adequate. Activities: Corn planted 17%, 1981 15%; Rountine farm chores, planning for this year's crops, pruning fruit and pecan trees, early planting of corn and some vegetables, applying nitrogen to wheat. Conditions: Livestock, pastures fair; pasture feed mostly short; stored feed mostly adequate; wheat fair to good; plowing 35%; fieldwork behind.

ARIZONA: Storm latter part week produced moderate, heavy precipitation most areas. Amounts mostly 1.00 to 3.00 in. central basins, central mountains, 0.50 to 1.00 in. lower elevations. Flash flooding creeks entering Upper Verde River Valley. Snow level around 7,500 ft, snowfall mostly confined White Mountains 1 to 7 in. Another storm rapidly crossed State 14th, 0.25 to 1.50 in. of moisture. Average temperatures 2 to 9° above normal.

Rain late week halted virtually all field activities. Hail fell some parts State, too early to assess crop damage. Wheat, barley excellent progress, majority crop ranged stem elongation to heading. Land preparations, planting cotton accelerated as field conditions allowed, planting western areas approaching 30% complete, stand establishment good due favorable soil temperatures. Sugarbeets continued excellent progress. Alfalfa hay very rapid growth, cutting, baling new crop accelerating. Land preparations, planting safflower, corn for silage central areas active. Safflower planting virtually complete. Growth lettuce, other mixed vegetables accelerated by unusually warm temperatures. Lettuce harvest Yuma area slow due poor market conditions. Warmer weather rapidly maturing remaining crop, harvest will be completed sooner than expected. Harvest broccoli, carrots, cauliflower, cabbage, greens, green onions seasonal progress. Limited harvest lettuce central areas. Potatoes, dry onions good growth. Land preparations, planting cantaloups, watermelons good progress, earlier plantings good stand, growing well. Harvest lemons, grapefruit, Valencia oranges good progress. Bloom increasing, groves flushed new growth. Ranges mostly fair condition. Some poor conditions southwest. Livestock remained fair to good condition, mostly adequate water. Rains will increase water supplies. Mild weather, rains and prospects of early range grass, some grass already reported spotty locations southeast.

ARKANSAS: Week began cold and ended warm averaging well above normal. Rainfall light and in the north. The southern third received no rain. Highest temperature 82°, lowest 17°. All departures from normal ranged from 2 to 10°. Most rainfall 1.58 in., least 0 in.

Applications of nitrogen on wheat were virtually completed. Wheat remained in good condition. Some field preparation continued the first of the week but was halted by rain on 13th. Soil moisture adequate. More cattle were beginning to graze on rye grass and fescue. Livestock in good condition.

CALIFORNIA: All areas were 3 to 5° above normal. Precipitation was ample with Sacramento and San Joaquin Valleys averaging about 1.00 in. Huntington Lake reported 3.60 and Blue Canyon 2.38. All zones reported some rain.

Ground preparations for spring crops picking up, San Joaquin Valley. Some northern areas still too wet to work. Small grains growing well with good moisture and temperatures. Pesticides being applied on grains and alfalfa fields. Pre-irrigation on cotton fields in San Joaquin Valley. Alfalfa and sugarbeets growing well. Weed and fungicide treatment, weather permitting. Avocado harvest continues. Early grapes budding. Kiwifruit leafing out. Early varieties of deciduous trees leafing out. Navel orange harvest at peak, excellent quality. Lemon harvest slowed by Ventura County picker strike. Almond trees leafing out, walnut pruning nearly complete. Artichoke harvest active Central Coast. Asparagus harvest in Desert. Cool, wet weather hampered harvest Delta, Salinas Valley. Broccoli harvest increasing, Central Coast. Carrot active, Desert. Cauliflower increasing, Central Coast. Celery harvest active Palo Verde Valley, South Coast. Lettuce harvest, Imperial Valley virtually complete. Harvest active, Blythe area. Spring potato planting almost complete. Sweetpotato beds being prepared. Strawberry harvest southern areas, moderate with quality fair. Processing tomatoes being planted; earlier fields emerging. Transplanting market tomatoes under hot caps active, southern areas. Poling active. Market (bush type) tomato planting active throughout State. Range feed northern central district making excellent growth. Southern ranges need more rain. Calving, lambing continue active Sacramento Valley, northern mountain districts. Bee activity heavy blooming orchards.

COLORADO: The only significant precipitation was on 11th and 12th when a widespread storm brought an average of 0.50 in. of moisture west of the Continental Divide and 0.10 to 0.20 in. elsewhere. Temperatures averaged 4 to 9° above normal in the east and 2 to 7° above normal in the San Luis Valley and west of the Continental Divide.

FLORIDA: Cool, dry early week; light freeze and scattered frost Panhandle, extreme north, mornings of 8th and 9th modifying temperatures midweek, then averaging unseasonably warm by late week into the weekend with maximums in the 80's and a few 90° readings interior Peninsula, 13th. No precipitation Panhandle and north through the week but scattered thundershowers averaging 0.50 to 1.00 in. central, south on 11th with isolated heavier amounts.

Soil moisture mostly adequate. Corn planting active all areas. Tobacco transplanting in full swing. Land preparation underway for planting early soybeans, sorghum. Small grains mostly good condition. Wheat, oats growing rapidly. Sugarcane harvest nearing completion. Young cane good progress. Panhandle and Lower Peninsula pastures good to excellent condition. Poor to fair elsewhere. Cattle fair to good condition. Citrus grove condition very good all areas, adequate soil moisture. New growth abundant, large quantities open bloom. Early and mid orange harvest all but over. Picking of Valencias slow. Movement of grapefruit very active. An early week cold front brought lower temperatures to vegetable areas. A warming trend at midweek with above normal temperatures by late week. Skies were partly cloudy with isolated heavy showers. Winds light to moderate but gusty during showers. Total shipments increased 22% from previous week. Harvest gained snap beans, cabbage, celery, sweet corn, cucumbers,

peppers, potatoes, strawberries, tomatoes. Supplies about steady Chinese cabbage, eggplant, escarole, parsley and squash. Volume declined carrots, cauliflower, lettuce, okra and radishes. Strawberry harvest continues very active. Quality, size mostly good. Watermelon planting continues active northern areas. Crop condition in south mostly good. First harvest expected late March. Showers beneficial.

GEORGIA: Rainfall early part of week from 0.67 in. east central to 2.00 in. extreme south; dry late in week. Temperatures nearly 4° below normal southwest and extreme northwest to 2 to 5° above normal north central. Weekend of 13th and 14th dominated by cloudy skies associated with cold front that went as far south as central areas before tracking north again as a warm front. Scattered thundershowers over north averaging greater than 0.25 in.

Soil moisture mostly adequate to surplus. Land preparation moderate progress. Tobacco transplanting good progress. Corn planting active south. Small grains fair to mostly good, wet soils causing problems in wheat some areas. Pastures mostly fair to good. Tobacco plants good. Cattle fair to mostly good and hogs good.

HAWAII: Weather cool. Cloudy to partly cloudy skies with some moderate to heavy showers. Wet weather slowed crop progress some sections. Spoilage losses reported for few leafy crops. Spraying continues for diseases and insects. Vegetables: Supplies steady most crops. Light spoilage losses for head cabbage and Chinese cabbage. Bananas: Harvesting light. Papayas: Production continues heavy. However, diseases were increasing because of the wet weather. Pineapples: Light harvest. Rains hampering harvesting. Sugar: Some mills closed for economic reasons for two weeks commencing this week. Another two-week shutdown likely during the year unless price improves. Pastures: Generally fair to good.

IDAHO: Temperatures ranged from near normal to 7° above normal. High of 66° at Grandview, low of -3° at Stanley. Most localities reported that precipitation was below normal.

Fieldwork has begun in the southwest and farmers in other localities except to start working their fields in a week to 10 days. There was still snow on the ground in eastern areas. Seed potatoes were moving, though soft roads did cause some problems. Some winterkill was reported in winter wheat but overall condition was good. Lambing was nearing completion and calving was well underway.

ILLINOIS: Temperatures 3 to 4° below normal north, normal to 6° above south. Precipication 0.40 to 0.85 in. most areas, heaviest south. 1.00 to 2.00 in.

Activities: Livestock feeding and care, general farmwork, ordering seed and supplies.

INDIANA: Warm and wet. Temperatures of 4° above normal averaged 36 to 48° and ranged from 9 to 73°. Rainfall 0.80 in. north, 1.40 central, 1.80 south. Moderate to severe flooding from rains and frozen soils in north and west central. Sunshine 54% of possible.

Field activities limited by wet topsoils or snow cover. Chemicals or manure spread on few fields dry enough to support equipment. Some wheat topdressed. Other activities: Making plans, buying chemicals and seed, readying equipment, hauling grain, caring for livestock, and chores.

IOWA: Temperatures averaged near 4° above normal with subnormal precipitation except moderate to heavy south central and southeast and a few adjacent counties. Week began cold with a few inches snow cover. Turned much warmer 10th with temperatures from 40's north to lower 60's southwest to melt snow cover rapidly. Mild remainder of week with occasional rain or drizzle primarily 12th and 14th. Coldest morning 9th with subzero central to northeast.

KANSAS: Temperatures averaged 44° north central and 46 to 51° elsewhere, 10 to 13° above normal west and 7 to 9° above normal east and central. Some precipitation, 0.50 in. to over 1.00 in. east 13th and 14th. Very windy over on 12th, blowing dust west.

Spring seeding oats, barley gaining momentum, first fields emerging. Wet fields restrict seeding some counties. Wheat excellent growth with mild weather and generally favorably moisture. Wheat pastures good to excellent but livestock being moved off fields where grain crop expected. Nitrogen topdressing and weed control widespread. Little or insect or disease damage noted.

KENTUCKY: Seasonably mild and wet for late winter. Temperatures averaged mid to upper 40's or 3 to 4° above normal. Rainfall was observed most areas with precipitation amounts ranging from 0.25 to slightly more than 1.00 in.

Fall seeded grains have greened, and beginning to grow. Limited fieldwork underway on well drained soils. Tobacco beds being prepared. Spring in air but farmer optimism still at a low ebb because of commodity prices.

LOUISIANA: Rainfall mostly traces. Temperatures 6 to 8° above normal north, 2 to 3° above normal south.

Soil moisture adequate. Days suitable: 4.8. Spring plowing 24%, 44% 1981, 28% 1980. Corn planted 11%, 13% 1981, 10% average. Rice planting 3%, 9% 1981, 6% average. Winter wheat rated fair to good. Just beginning to head in the south. Sugarcane rated fair to good. Strawberry harvest has just begun. Pepper plants will be set up in 2 to 3 weeks Vegetables rated fair. Both pastures and livestock rated fair to good. Crawfish harvest in full-swing.

MARYLAND AND DELWARE: Temperatures averaged 2° below normal. Highs averaged upper 40's to low 50's and lows averaged low to mid 30's. The greatest reported precipitation was at Salisbury with 2.63 in. The least reported precipitation was at Hancock with 0.96 in. The remaining 12 stations reported an average 1.41 in. The 13th was mostly cloudy with highs in the mid 60's and lows in the mid 40's. Light precipitation fell, except at Waldorf reported 1.10 in. The 14th continued cloudy and breezy with highs in the low 60's and low temperatures in the mid 40's with no precipitation.

MICHIGAN: Temperatures averaged from 2° below to 2° above normal. The week began with many stations recording subzero morning temperatures but as the week progressed, temperatures worked up into the mid 30's in the morning and mid to upper 40's for daytime highs. Precipitation ranged from 0.25 in. in the west Upper Peninsula to 2.25 in. in the east central Lower Peninsula. Monthly totals so far are ranging from near to slightly above normal.

MINNESOTA: Temperatures averaged 1 to 5° above normal south to 1 to 6° below normal north. Average temperatures ranged from 30° southwest to 15° north central. Warmest 55° Lamberton. Coldest -22° Hibbing.

Precipitation heavy, except only 0.10 in. or less southwest and south central. Most of the State received 0.20 to 0.50 in. with up to 0.84 in. northeast. Precipitation mainly rain southern two thirds of the State with up to 7 in. snowfall north. Snow depth at weeks end was a trace southwest and generally 2 to 6 in. elsewhere, except 10 to 22 in. north central and northeast.

MISSISSIPPI: Temperatures about 3° above normal. Extremes: 17 and 85°. Over the weekend scattered showers occurred in the central sections of the State with heavier thunderstorms across the extreme northern area. Greatest 24-hour precipitation 1.13 in.

Soil moisture adequate to surplus. Fieldwork: 3.9 days suitable. Fertilizing wheat and winter pastures, liming, feeding livestock, equipment maintenance and farm planting were the main farm activities. Plowing 23% completed, 52% last year, 33% average. Corn 10% planted, 12% last year. Winter wheat 15% jointing, 15% last year; condition good to fair. Hay and roughage and grain supplies adequate. Pasture condition fair, livestock condition fair to good.

MISSOURI: Temperatures ranged from 3° below normal in the north, to 4° above normal in the southwest to normal temperatures in the Bootheel.

Precipitation averaged less than 0.25 in. in the western half of the State, near 0.50 in. in the east and 1.00 in. in the Bootheel.

MONTANA: Precipitation varied a great deal; 2.00 in. some areas west of Divide to less than 0.01 in. most other areas. Temperatures mild and averaged 2° above normal northeast to 10° above southwest. Highest 67° at Hardin, lowest -14° at Glasgow.

Winter wheat condition fair to good, wind damage light, snow cover protection poor to fair. Topsoil moisture supply adequate, subsoil short to adequate. Calving 35% complete, lambing 30%. Stock water supply mostly adequate.

NEBRASKA: Precipitation: Trace amounts only. Temperatures: West averaged 8° above normal east about 2° above normal.

NEVADA: Above normal temperatures and light amounts precipitation. Cold front early in week brought trace amounts precipitation west. Light precipitation south midweek. Skies cleared and temperatures climbed end of period. Extremes: 75 and 8°.

Seedbed preparation hampered by scattered showers and gusty winds. Calving, lambing progressing well.

NEW ENGLAND: Temperatures: Below normal early and mid-week, above normal 12th, 13th, 14th. Temperatures exceeded 60° at Providence and Boston on the 12th.

Precipitation: Most precipitation averaged 1.00 to 1.25 in. over north and central, and about 0.75 in. south. Frequent periods of light precipitation continued through the week.

NEW JERSEY: Temperatures averaged near normal. Extremes 3° at Newton on 10th and 69° at Pomona 13th. Rainfall averaged 0.29 in. north, 0.06 in. central and 0.13 in. south. Heaviest 24 hour total 0.18 in. at Charlotteburg on 10th. Estimated soil moisture, in percent of field capacity, averaged; 98 north, 94 central and 94 south.

Warmer weather increasing farm activities. Fruit pruning underway. Some peas planted. Preparations underway for onion planting. Plants in greenhouses doing well.

NEW MEXICO: Temperatures averaged 5 to 6° warmer than normal. Some precipitation received late in the week.

Soil moisture remains in short to adequate supply. Acitivites included irrigating, seedbed preparation, supplemental feeding, and calving and lambing. Winter wheat in fair to good condition. Alfalfa fields beginning to show good growth. Transplanting of onions and seeding of chile peppers continuing. Lettuce in good condition with thinning of fields underway. Planting of Irish potatoes underway. Sugarbeet planting expected to get underway soon. Ranges in fair to good condition with additional moisture needed. Livestock in good flesh going into spring. Calving and lambing continuing. Livestock gradully being moved off of grain fields.

NEW YORK: A series of rapidly developing storms moved through area very early in the week and again on 9th, 11th and during the weekend. For the most part, precipitation was less than 0.25 in. though the storm on 13th did produce as much as 0.50 to 0.75 in. of precipitation in central portions. Temperatures were quite cool in the early part of the week but a gradual warming trend occurred by the end of the week into the weekend when temperatures rose to above normal readings.

NORTH CAROLINA: Temperatures near normal in the mountains and northwest Piedmont, but 5 to 8° above normal across the rest of the State. Precipitation mostly light across the entire State with the heaviest amount being 0.88 inches at Jackson Springs in the sandhills.

Soil moisture: 60% adequate and 40% surplus. Fieldwork: 3.3 days suitable. Condition: wheat, oats, barley and rye mostly fair to good; pasture fair to good; tobacco plant beds fair to mostly good; Irish potatoes fair to mostly good. Plantings: Irish potatoes 10%, 1981 54%, 19% average. Supplies: Hay and roughage 8% short, 86% adequate, 6% surplus; feed grain 6% short, 86% adequate, 8% surplus. Farm activities: Topdressing small grains, caring for tobacco plant beds, and land preparation.

NORTH DAKOTA: Week was slightly colder than normal with near normal precipitation. Temperatures warmed considerably during the middle and end of the week but still averaged about 1° below normal. Average temperatures ranged from 29° southwest, which was 6° above normal, to 12° north central, which was 7° below normal. Precipitation averaged above normal in the north and east but was about equally below normal south and west. Average precipitation ranged from 0.03 in. southwest, which was 0.10 in. below normal, to 0.28 in. central, which was 0.13 in. above normal.

Warmer weather as week progressed began melting snow leaving conditions wet and muddy. Rising temperatures were beneficial for calving and lambing which were well underway. Farmers continued to secure seed and prepare for the coming crop year, but fieldwork was still at least several weeks away in most areas.

OHIO: Temperatures averaged 6° above normal. Highest was 70° at Cincinnati, lows from mid 20's northwest to mid 30's south. Daytime soil temperatures averaged above freezing. Precipitation generally greater than 0.50 in. with several areas reporting in excess of 1.00 in.

Rain fall, coupled with a rapid melting of snow cover caused significant flooding. Flooding will cause loss and damage to winter wheat in the northwest. Wet fields have delayed the setting of cabbage in the south, prevented topdressing of wheat and detained the turn-out of livestock.

OKLAHOMA: Precipitation varied from 0.25 in. Panhandle to 1.42 in. north central. Most of State received nearly 1.00 in. or more. Temperatures averaged from 11° above normal in southeast to 5° above normal in west central and north central divisions.

Above normal temperatures coupled with widespread precipitation over weekend improved wheat prospects. Wheat good condition with 15% acreage jointing compared to 10% 1981 and average. Days suitable for fieldwork: 5.4.

OREGON: Warm weather along the coast on 8th took temperatures in the mid to high 60's; by 11th the 60° temperatures reached the Willamette Valley and spread east of the Cascades. The 12th cooled down 10° in all areas. The beginning of the week was dry, but by 10th all areas had reported some precipitation. By the end of the week coastal stations measured weekly totals of 1.00 to 2.00 in.; the Willamette Valley had amounts varying from 0.40 to 0.75 in.; less than 0.10 in. reported from all stations east of the Cascades. Rain continued through the weekend.

Soil moisture supplies mostly surplus to adequate. Winter wheat condition good. Spring fertilization continues. Spraying for weeds as conditions permit. Delayed dormant applications on pears in full swing. Pear Psylla numbers low but eggs present in most Jackson County orchards. Early potatoes in the Hermiston-Boardman area going in as field and weather conditions allow. Livestock condition mostly good. Range and pastures fair to good; need warmer weather for good forage growth. Calving continues.

PENNSYLVANIA: Warming trend after a very cold beginning with weekly temperatures averaging 3° to 3° above normal and about 6° higher than previous week. Extremes -5 and 69°. Three to ten in. of snow early in week plus up to 0.50 in. rainfall last half provided totals of 0.50 to 1.10 in. precipitation for second consecutive week. Mild temperatures depleting snow cover rapidly.

PUERTO RICO: Island average rainfall 0.35 in. or 0.15 in. below normal. Highest weekly total 1.44 in. Temperatures averaged about 77 to 76° on Coasts and 71° Interior Divisions. Extremes: 92 and 48°.

SOUTH CAROLINA: Temperatures averaged above normal due to southerly wind flow and sunshine on most days. Highest readings were in the 80's on 13th. Lowest temperatures for the week in the mid 20's to low 30's. Rainfall below normal with all sections averaging below 0.50 in.

SOUTH DAKOTA: Average temperatures above normal. East River counties were 1 to 4° above normal, West River counties 7 to 11° above normal. Extremes: -7 and 70°. Relatively dry week with precipitation ranging from a trace to 0.10 in. Since January 1, moisture generally 0.80 to 1.50 in. Above normal amounts received in an area from the north central to the central district, and in the extreme southeast.

TENNESSEE: Temperatures averaged 3 to 7° above normal. Precipitation totals ranged from 0.10 in. in the northeast corner to above 2.00 in. in the southwest.

Only 2 days were suitable for farmwork. Land preparation was 35% complete compared to the average of only 30%. Topdressing wheat, renewing pastures, and preparing tobacco seedbeds ranked with livestock feeding as major farm activities. A few farmers were preparing home gardens.

TEXAS: Weather: Partly cloudy skies, warm temperatures, strong southerly flow dominated weather. Weak frontal system northwest late 12th, central 13th. Frontal system spawned thunderstorms north, west 17th, 14th. Temperatures near normal. Rainfall near, about normal northwest, north central while remainder State received below normal rainfall.

Commercial vegetables: Rio Grande Valley harvest spring onions, carrots continued. Spinach, cabbage harvest winding down. Watermelons up to good stands, progressing well. Citrus harvest continues active. San Antonio-Winter Garden area harvest of carrots, spinach continued. Planting spring vegetables getting into full swing, some preplant irrigation continuing. Coastal Bend, preplant activities continued, some planting onions, potatoes making good progress. North Texas, onion planting getting underway. Some potato planting soon. Trans-Pecos region, potato planting expected to begin soon. Onions, cabbage making good progress. High Plains, land preparation for onions, potatoes wrapping up, planting just getting underway.

Range and livestock: Warm temperatures, some rainfall helped improve range, pasture conditions. Additional moisture needed to sustain growth. Livestock in good condition. Supplemental feeding continues. Movement of cattle from wheat fields stepped up. Newborn calves, lambs progressing well.

Crops: Open weather provided ideal conditions most field operations. High winds across High and Low Plains deplete surface moisture, caused erosion some areas. Scattered showers improved moisture conditions Cross-Timbers, Blacklands. Cotton planting gaining momentum Lower Valley, Coastal Bend. Some replanting necessary fields wash out by heavy rains. Land preparation active across High, Low Plains. Corn, sorghum planting making good progress, Blacklands to Lower Valley. Planting full swing South Central Texas. Some areas too wet for planting Lower Valley. Blacklands, dry soil slowed germination. Small grain fields greening up with warmer temperatures; most small grains use more moisture. Some oat fields failed to recover from severe cold weather January. Wheat fields respond warmer weather; however, lack of moisture, yield prospects declining. Scattered fields beginning to boot South Central Texas, Coastal Bend. Spraying greenbugs Low Plains; topdressing operations active Cross-Timbers. Reported condition Statewide 75% of normal with 5% excellent; 45% good; 47% fair; and 3% poor. This compares with 68% of normal last year. Sugarbeet planting underway Panhandle. Cotton planted 3%, 4% 1981, 4% average. Rice planted 0%, 3% 1981, 2% average. Sorghum planted 13%, 24% 1981, 21% average. Corn planted 12%, 15% 1981, 12% average.

UTAH: Generally fair and mild forepart period. Recurring periods rain in valleys, snow at higher elevations latter part. Accumulated amounts moisture variable ranging from little or none to locally heavy. Average temperatures continued generally above normal ranging between normal and 9° above.

Few apples and potatoes still in storage. Turkey placements continue. Spring lambing and calving on western ranges in progress. Some land preparation began in south.

VIRGINIA: Rain, mixed with up to 2.00 in. of snow in western areas first part of period. Rain Statewide again 13th. Total rainfall equivalent averages ranged from 0.75 to 1.50 in. Temperatures below normal first of week but increasing to the 70's over the weekend.

Fields generally remained to wet for machinery. Topsoil moisture rated 67% adequate, 33% surplus. Clearing weather increased days suitable for field-

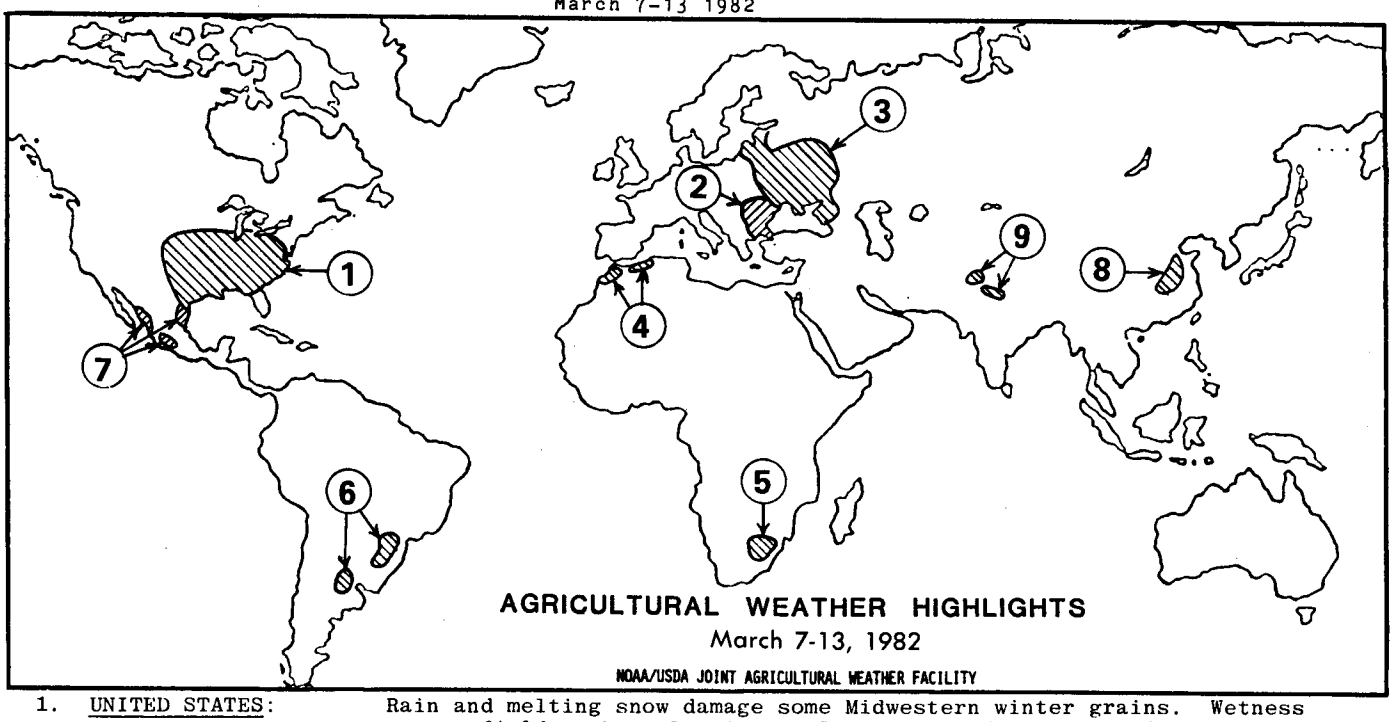
work to 2.2. Where land was dry enough to support machinery, land preparation resumed. Nitrogen was being applied to wheat and barley, with some aerial applications where soils were too wet for machinery. Preparation and seeding of tobacco beds was more active and a few more potato fields were planted on the eastern shore. Warmer temperatures increased growth of pastures and small grains. Buds on early varieties of peach and apple trees began to crack and show color. Some freeze damage was reported in Wise and Patrick Counties. Livestock continued in good to excellent condition. Feed generally adequate but some spot shortages reported in south-central areas. Pastures, alfalfa fields, peaches, barley, and wheat in good to excellent condition. However, tobacco plant beds rated only good.

WASHINGTON: West: Average temperatures were near normal except on the coast where they were 2 to 3° above normals. Precipitation on the coast was near normal, 0.10 to 0.20 in. above in the interior, and nearly 1.00 in. above normal over the Cascades. Conditions still too wet and cold for sustained field activity. Harvests in progress include daffodils and forced rhubarb. Pruning and tying of caneberries continued. Limited amounts of berry planting also took place. Pastures growing very well. Livestock in good condition. Hay supplies adequate.

East: Average temperatures were 3 to 5° above normal. Precipitation totals were down 0.10 to 0.20 in. Significant high winds occurred across the Basin area on 11th. Working summerfallow, planting spring wheat, barley, peas, stringing hops, and planting mint main activities. Seedbed preparation and fertilizing of field corn, potatoes, and other crops in progress. Dormant spraying of tree fruits begun. Cleaning up orchards and vineyards continued. Winter wheat and barley in average condition. Erosion a problem in some areas.

International Weather and Crop Summary

March 7-13 1982



1. UNITED STATES: Rain and melting snow damage some Midwestern winter grains. Wetness causes field work to lag in the Southeast and slows California vegetable harvest. Unseasonable warmth spurs wheat development in Great Plains; however, southern section remains too dry.

2. EUROPE: Soil moisture shortage in some southeastern winter grain areas.

3. WESTERN USSR: Overwintering conditions for winter grains continue favorable in most areas.

4. NORTHWESTERN AFRICA: Dry weather continues in the west; some Moroccan winter grain areas may be too dry.

5. SOUTH AFRICA: Dry weather; most corn is nearly mature.

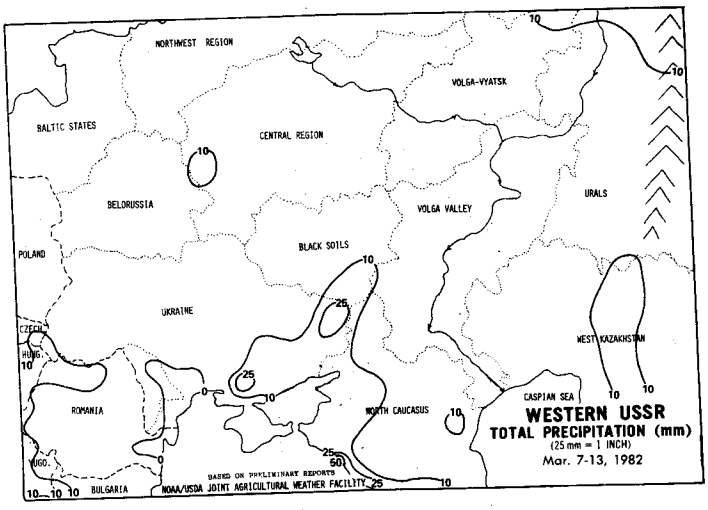
6. SOUTH AMERICA: Dry weather for Brazil's soybean harvest; favorable weather for maturing crops in Argentina.

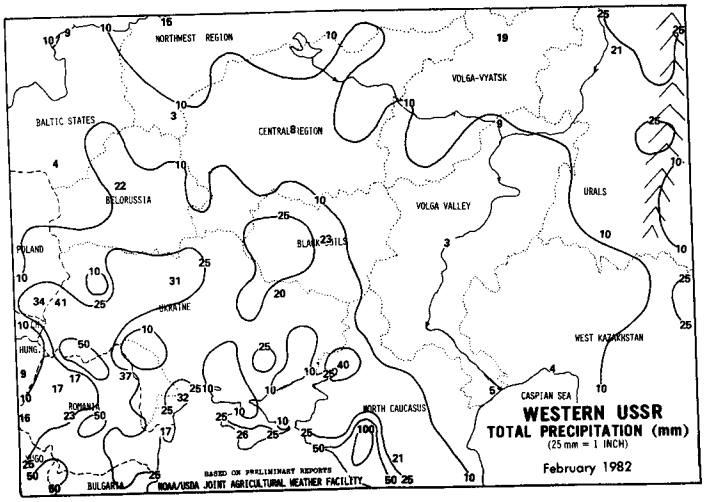
7. MEXICO: Dryness over several areas may be slowing development of corn, grain sorghum, and citrus. Warm weather is generally favoring cotton planting and citrus blooming.

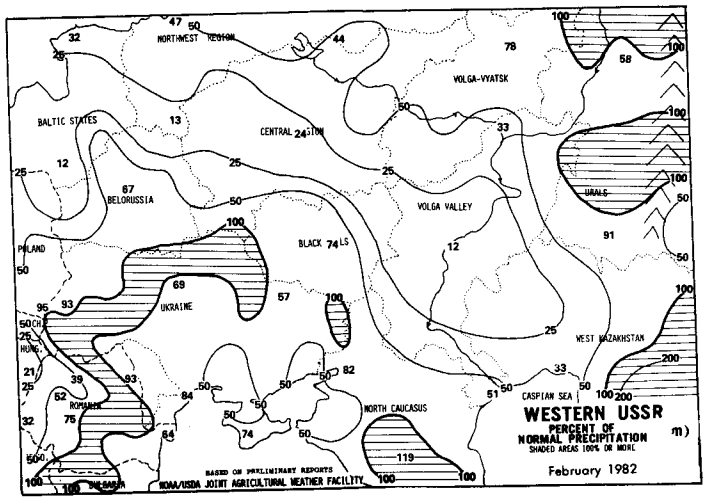
8. EASTERN ASIA: Warm, dry weather stresses winter grains on parts of the North China Plain.

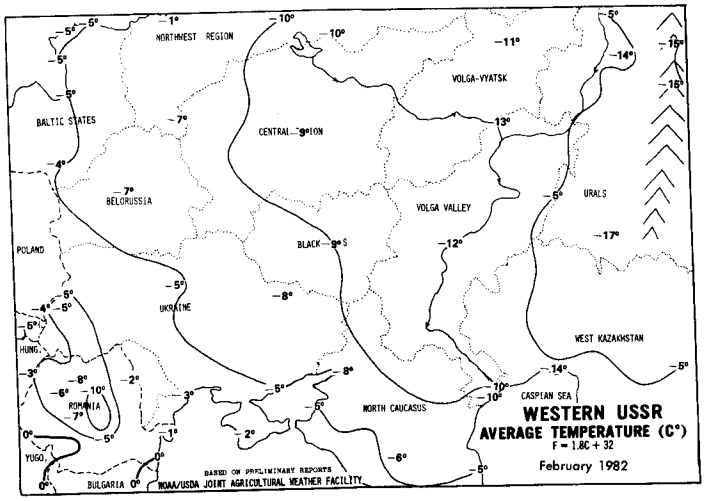
9. SOUTH ASIA: Some winter grain areas of Pakistan and India remain detrimentally cool and wet.

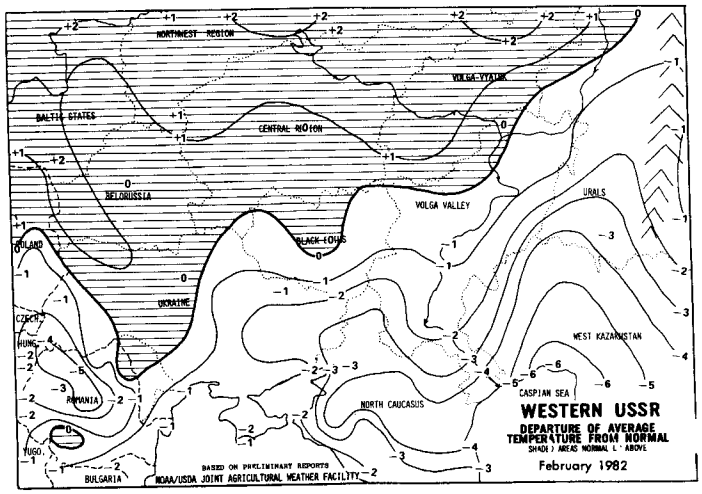
WESTERN USSR: Generally light precipitation occurred over most of the region except the southeast Ukraine and Western North Caucasus which received 10 to 25 mm of rainfall. In February, below-normal precipitation fell over most winter grains, except for a narrow band of normal rainfall streching northeast from the southwest Ukraine to the Western Black Soils. Temperatures in February were much below normal in the southeast and above normal in the north and west. In addition, overwintering conditions remained favorable for winter grains throughout the month. Recently, temperatures over the region averaged mostly above normal with winter grains remaining dormant.

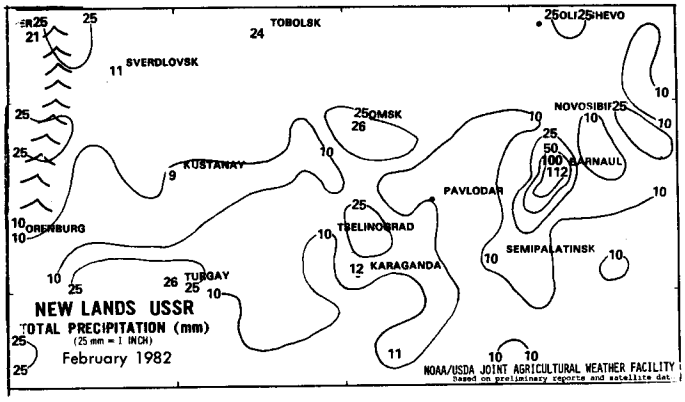








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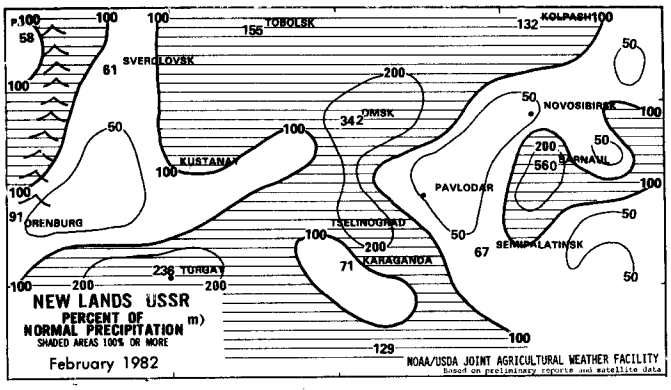
KUSTANAY
BARNAUL
PAVLODAR
ORENBURG
TSELINOGRAD
SEMIPALATINSK
KARAGANDA
TURGAY
NEW LANDS USSR
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
February 1982
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports and satellite data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SHADED AREAS 100% OR MORE
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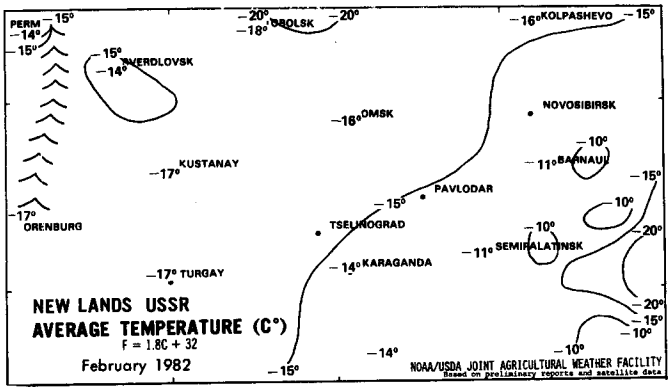
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AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
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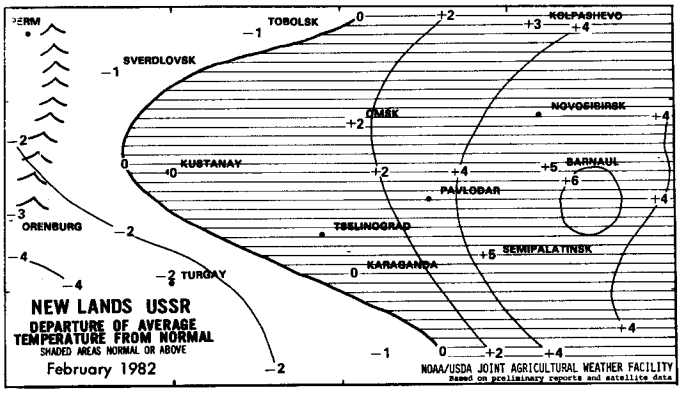
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DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL
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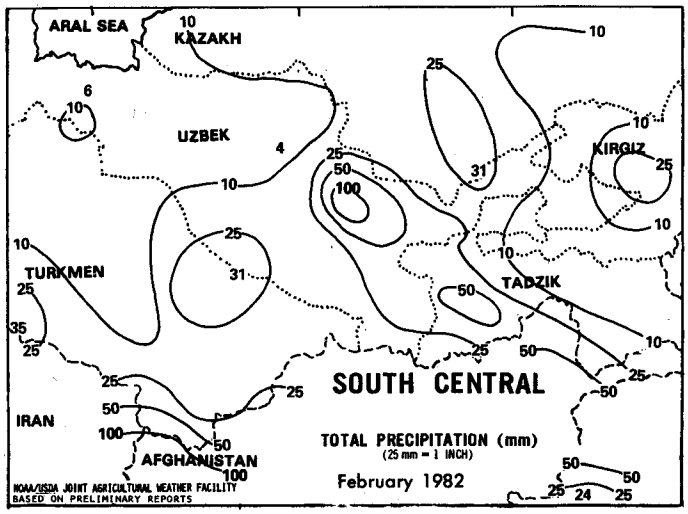
ARAL SEA
KAZAKH
UZBEK
KIRGIZ
TURKMEN
TADZIK
IRAN
AFGHANISTAN
SOUTH CENTRAL
TOTAL PRECIPITATION (mm)
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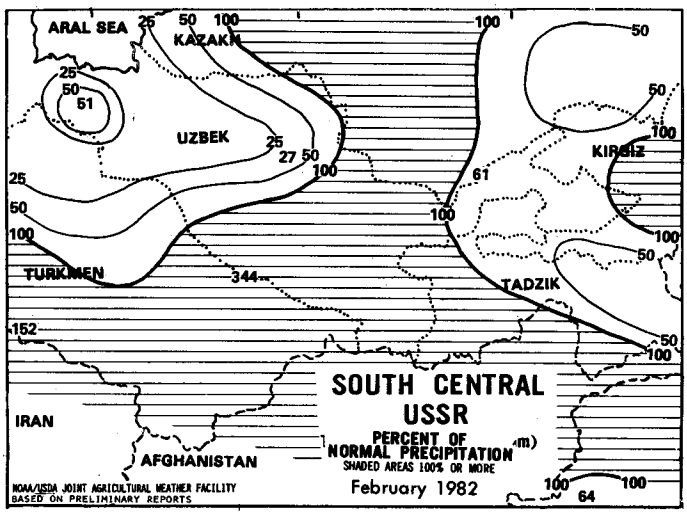
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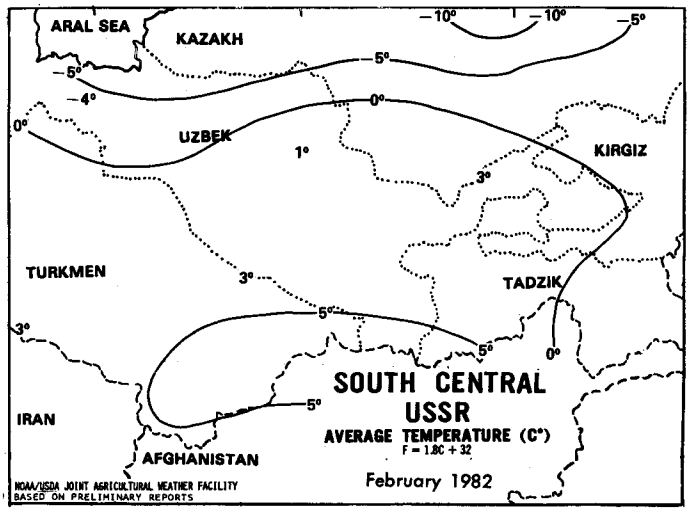
ARAL SEA
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AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
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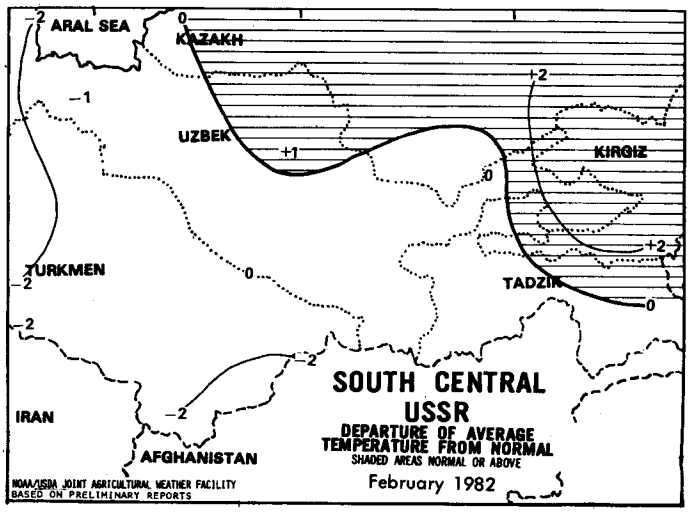
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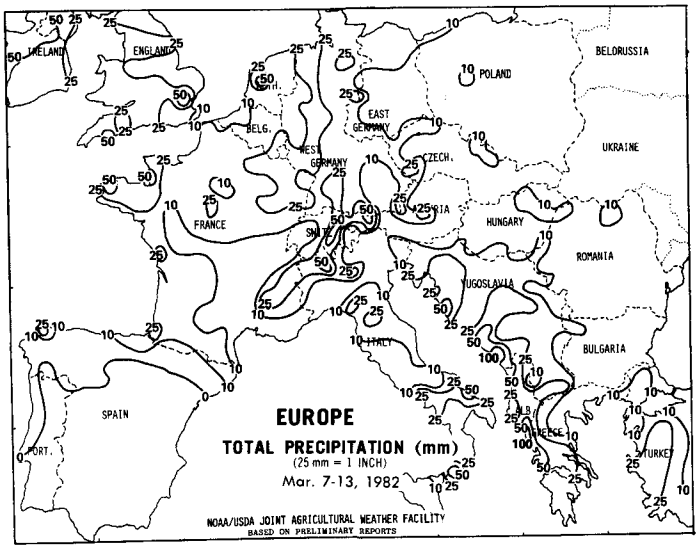
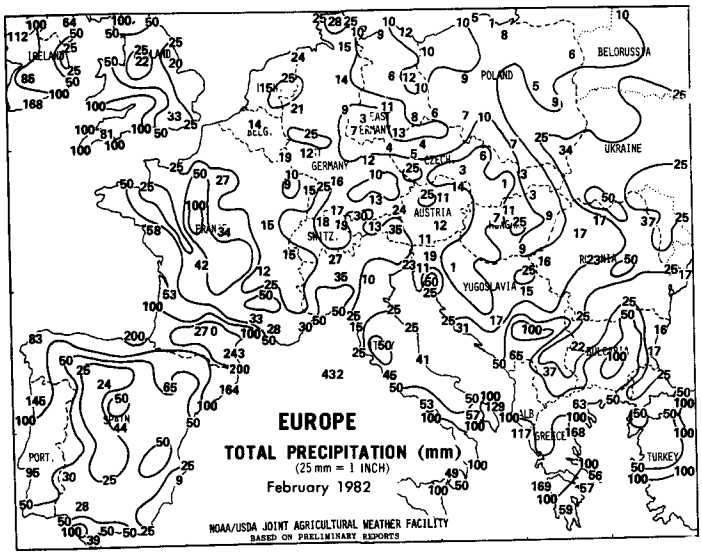
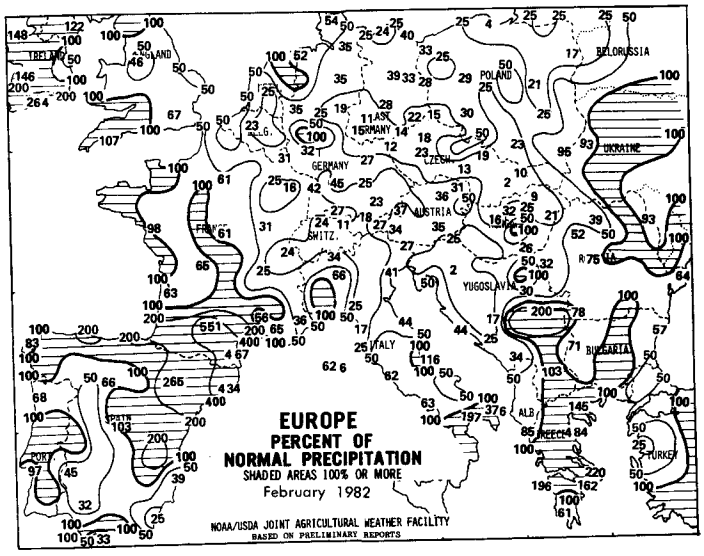
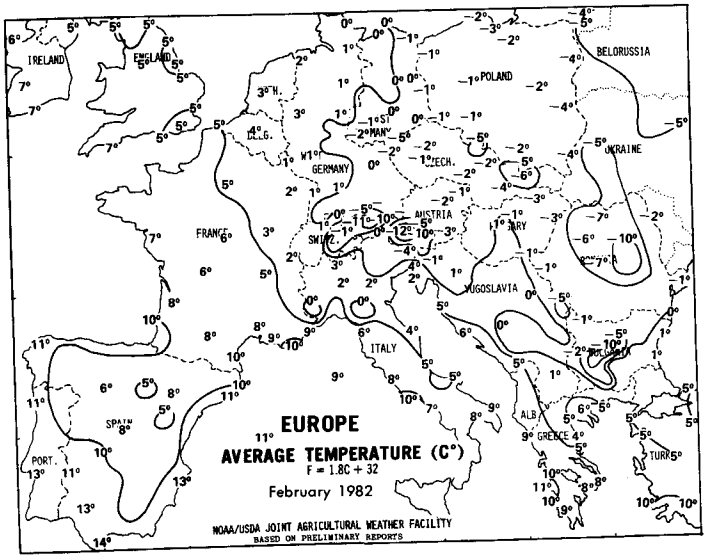
February 1982
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

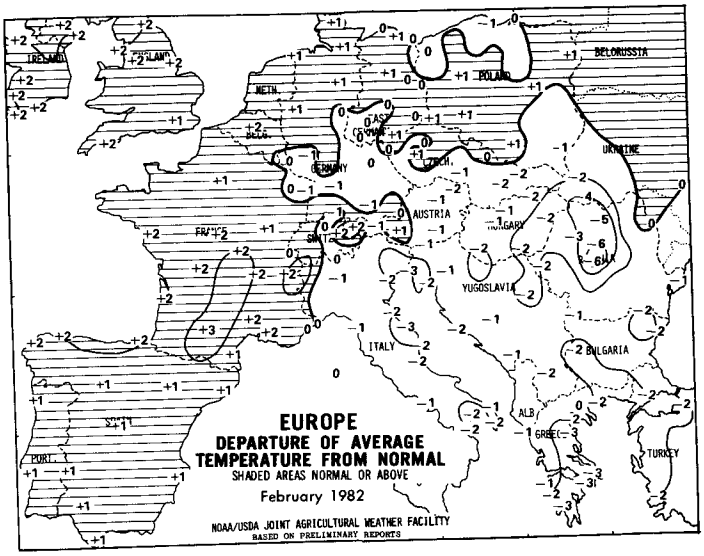
EUROPE: The precipitation pattern followed that of last week but slackened somewhat. Wet weather occurred from the northwest south into France and Italy, reversing a pattern of below-normal rainfall in February. Dry weather persisted over Spanish winter grains only in their vegetative stage due to late plantings resulting from insufficient topsoil moisture. In southeast Europe, dry weather over many winter grain areas of Romania and Bulgaria continued to limit normal soil moisture and water reservoir replenishment. In February, below-normal percipitation also fell on most of these areas. Temperatures this week were near normal over most of the region. In contrast, temperatures for February were below normal in the southeast and above normal in the north and west.



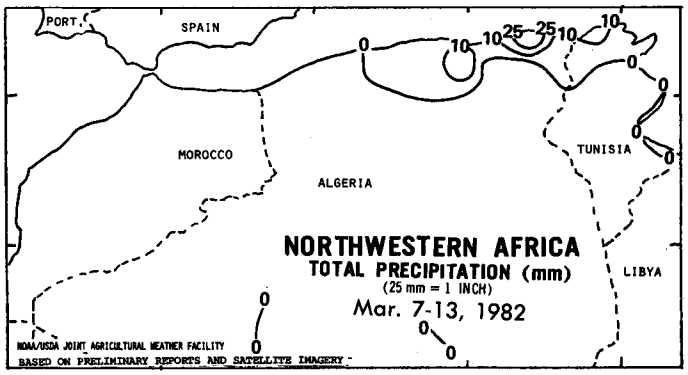


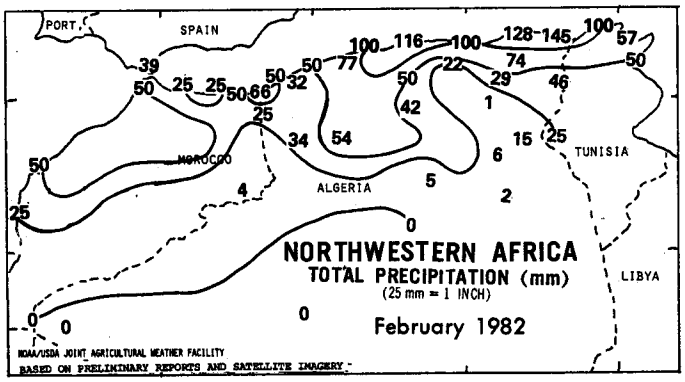


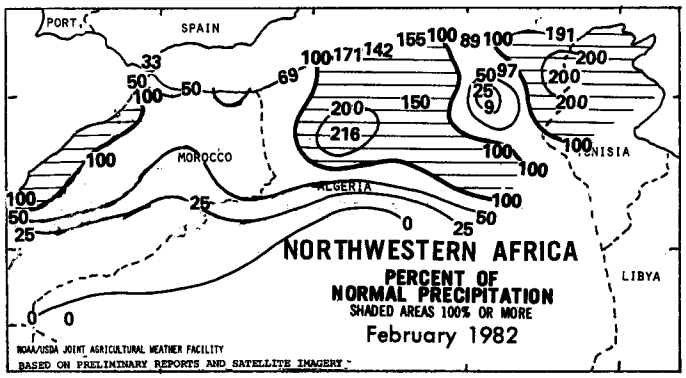


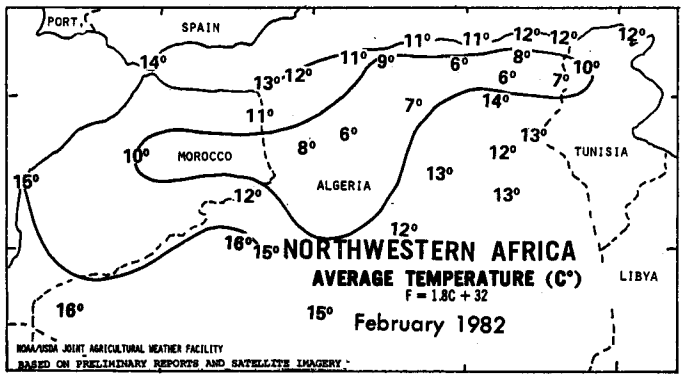


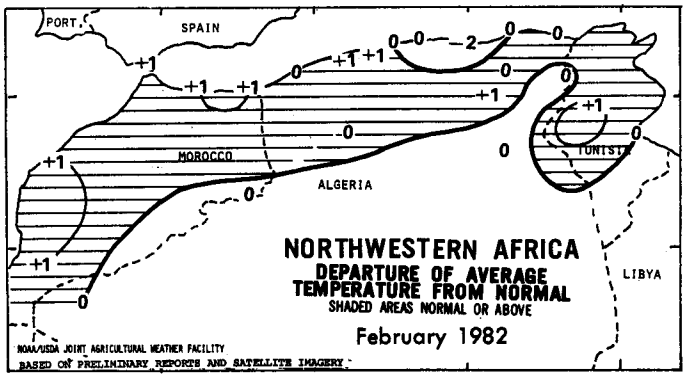
NORTHWESTERN AFRICA: Some showers lingered early in the week over winter grain areas of Tunisia and eastern Algeria, but dry weather persisted to the west. February precipitation was normal or greater over most crop areas, with the exception of western Algeria and some parts of Morocco. Winter grains in Algeria and Tunisia should have adequate moisture, but some inland areas of Morocco are perhaps becoming too dry as winter grains approach the heading stage. Temperatures during the week stayed near normal in the west and slightly below normal in the east.











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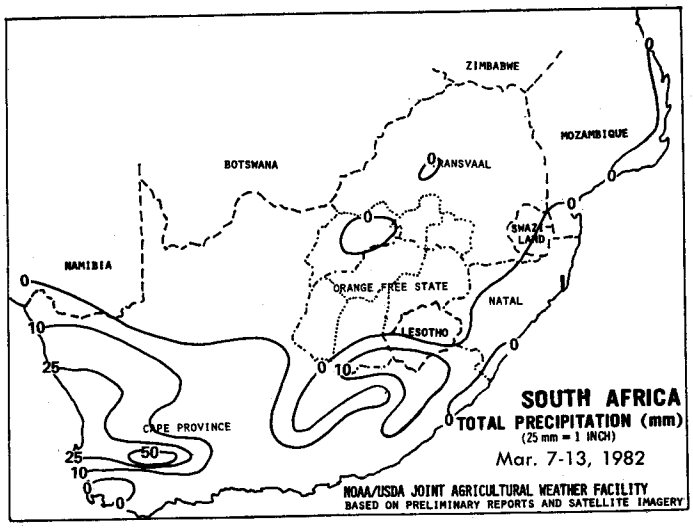
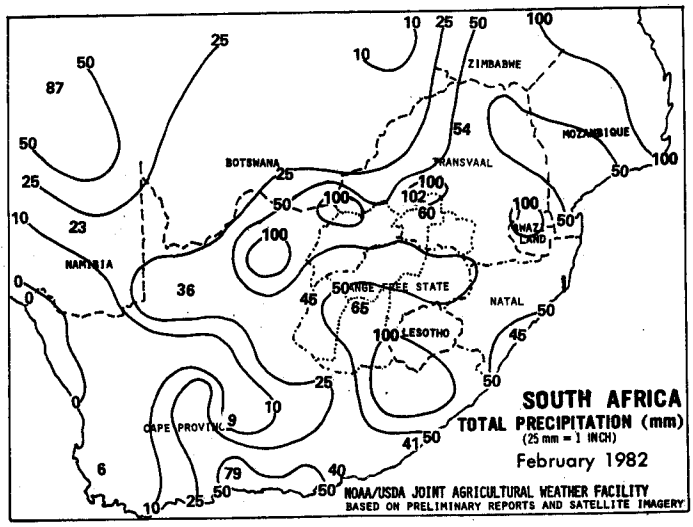
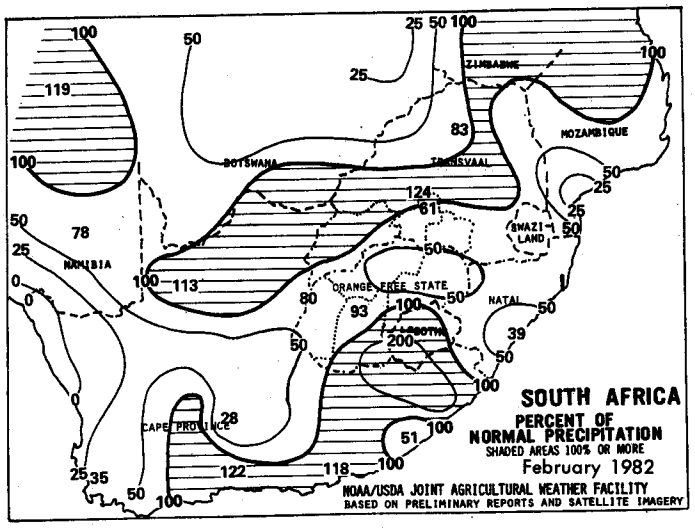
Arkansas into Michigan and Ohio. Melting snow and moderate rain caused extensive flooding from northern Illinois to Ohio and into Michigan.

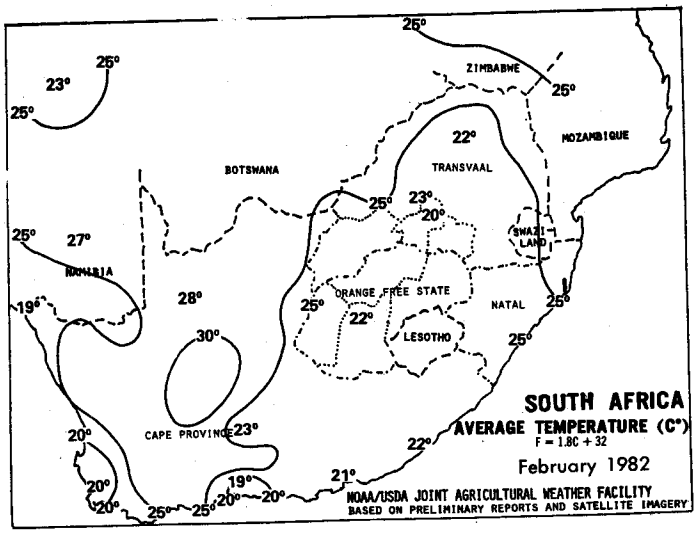
SATURDAY...A cold front moved through the Northeast and into the South and Southwest. Showers and some thunderstorms reached from Arizona through the southern Rockies, the central and southern Plains to northern Alabama and the Tennessee Valley, northward through the Appalachians, and from North Carolina to New England. Another cold front moved into the West and spread rain and showers through all of the coastal States and across the northern Plateau to the Rockies.

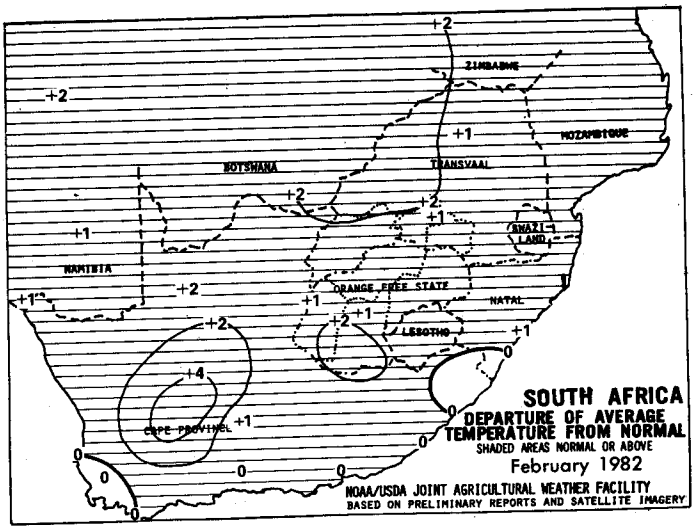
SOUTH AFRICA: Virtually no rain fell in the Maize Triangle during the week; the summer rainy season appears to be ending prematurely. Even in February, rainfall had declined substantially below normal in some important growing areas. The dryness allowed temperatures to stay above normal during most of the month as filling of kernels progressed, but readings have returned to near normal in recent weeks. Weather this season has not been favorable for the corn crop, with the more moisture-sensitive varieties being hit especially hard.



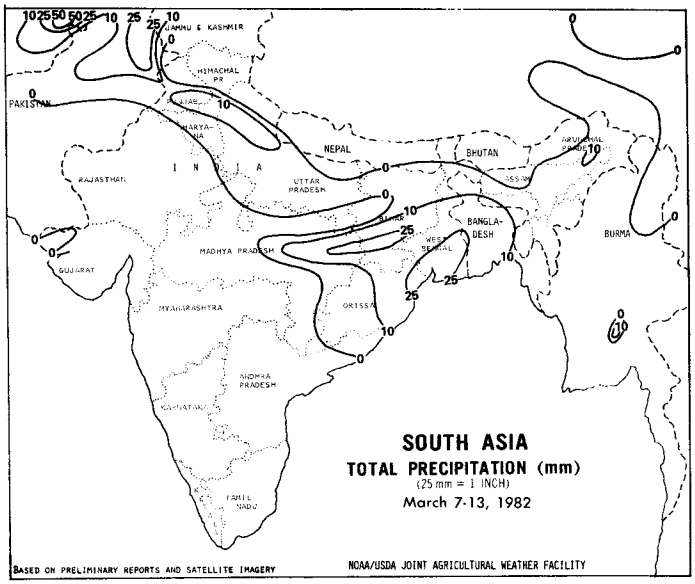


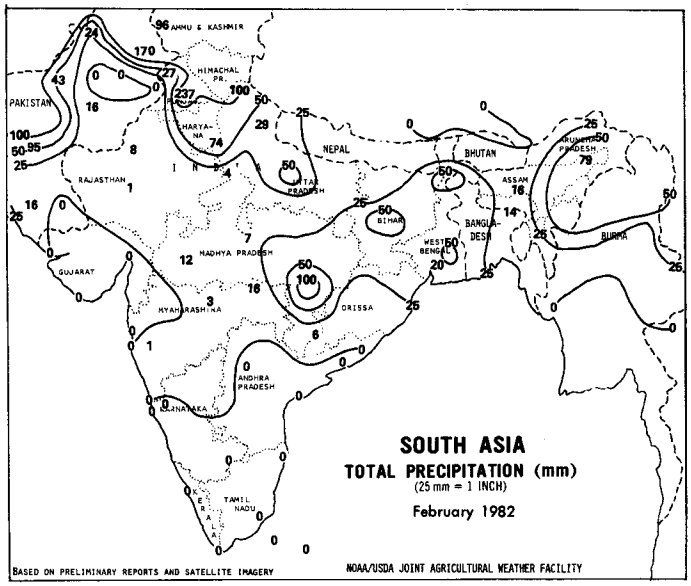


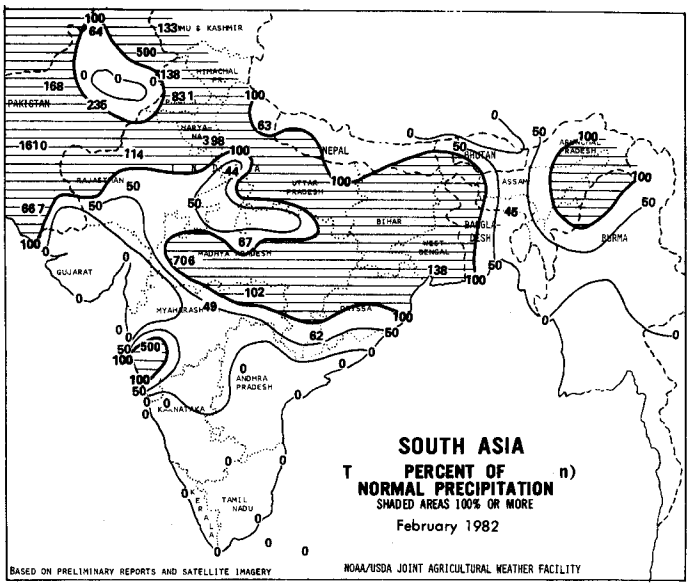


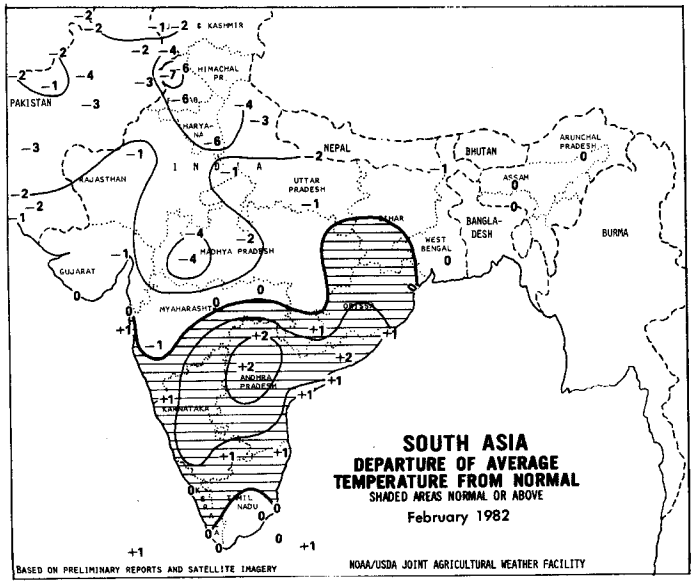


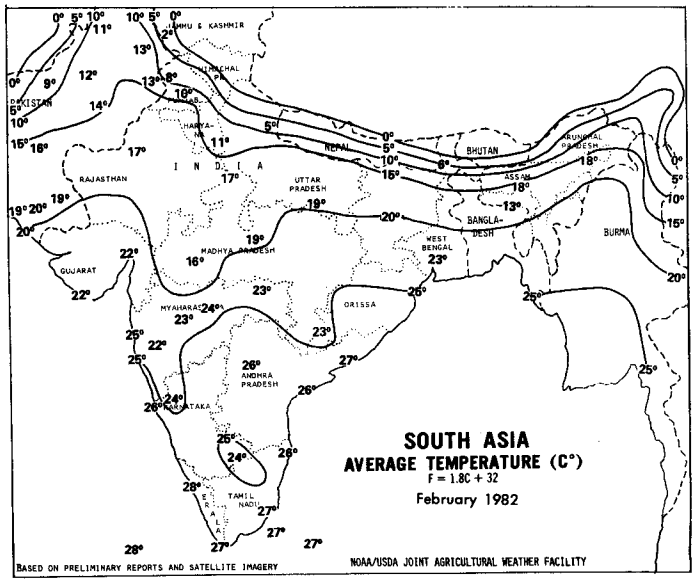
SOUTH ASIA: Precipitation slackened somewhat in northern Pakistan and northern India but remained above normal in many winter grain areas there. Temperatures remained substantially below normal. These conditions are a continuation of a pattern which characterized February's weather--favorable for winter grains early in the month but becoming unfavorable in recent weeks. Grain quality will likely suffer, and some yield losses may be incurred if lodged grain cannot be recouped. Eastern India and much of Bangladesh benefited from above-normal rainfall, as they did through most of February. Winter crop prospects should be mostly good.



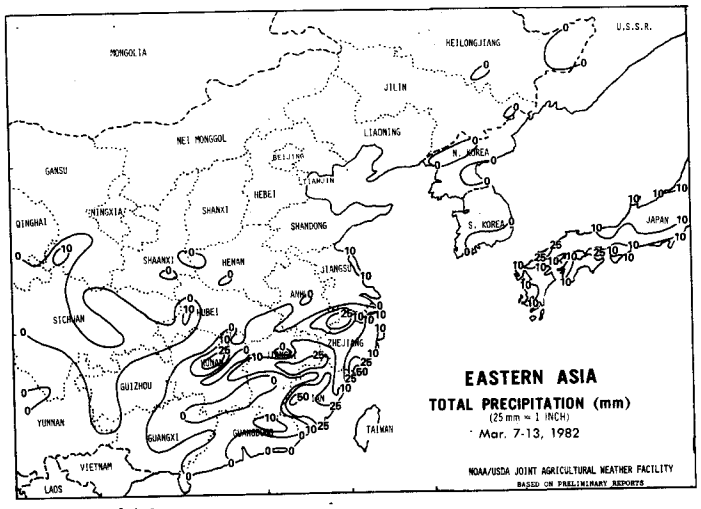


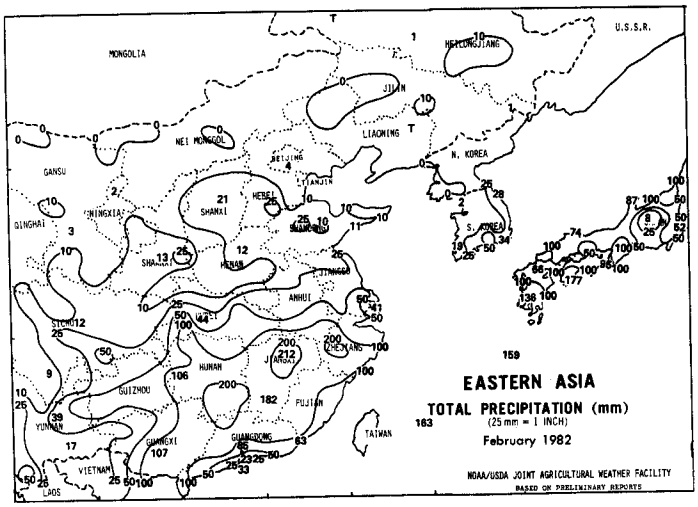


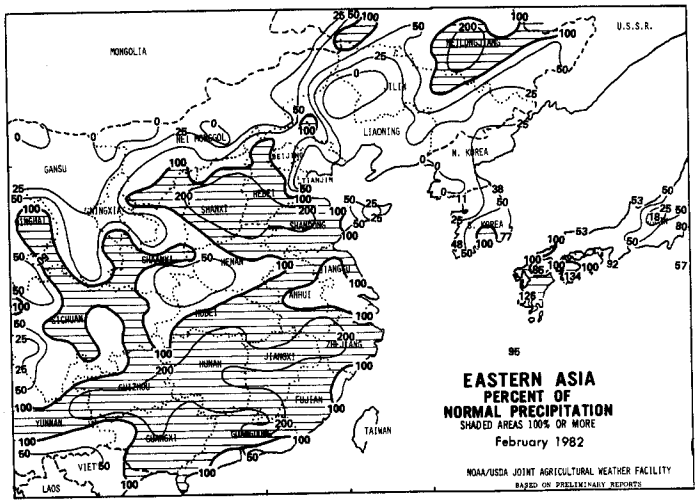


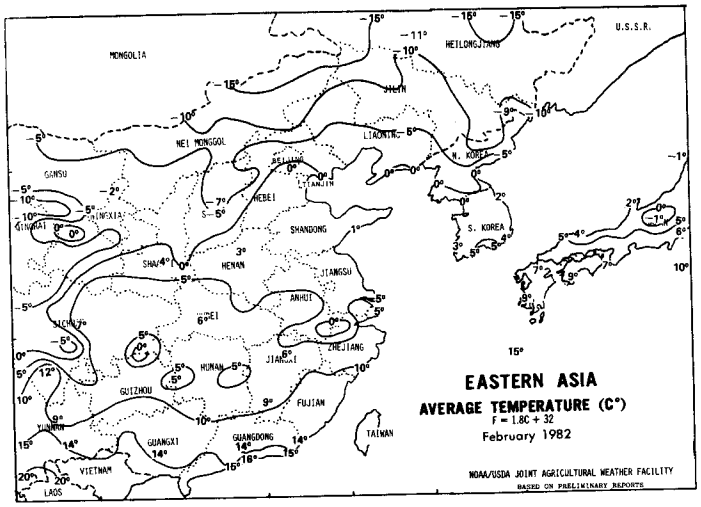


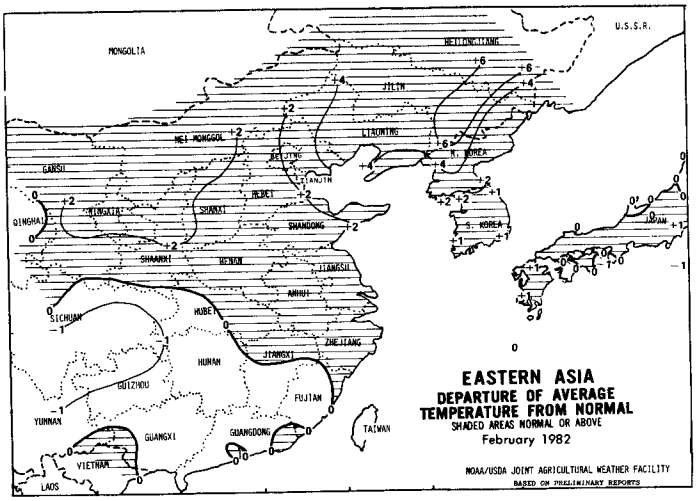
EASTERN ASIA: Virtually no precipitation fell on the North China Plain, and temperatures rose much above normal during the week. Although February weather was wetter than normal over much of the Plain, precipitation was barely enough to moisten soils as winter grains broke dormancy late in the month. The recent warm, dry weather stressed nonirrigated winter grains in the vegetative stage of development, and furthermore, irrigation water was reportedly in short supply. Henan and southern Hebei were the worst hit areas. Showers south of the Yangtze River became more scattered during the week, but conditions remained favorable for planting of early rice. February rainfall in this region was much above normal. In South Korea, precipitation was limited to southern winter grain areas as above-normal temperatures accelerated growth in all areas. February precipitation occurred mostly in the latter half of the month as winter grains broke dormancy;. the crop should be in good condition.

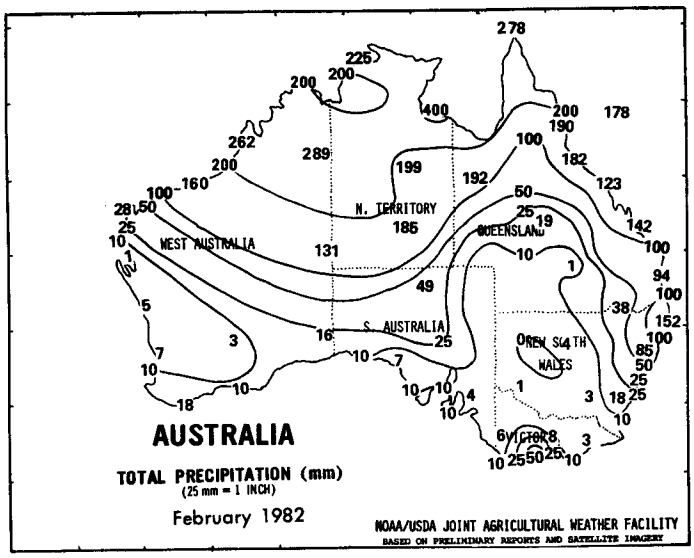


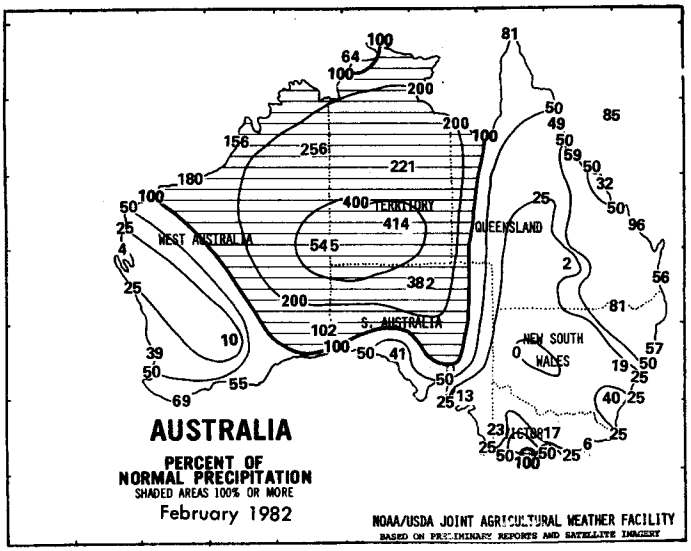


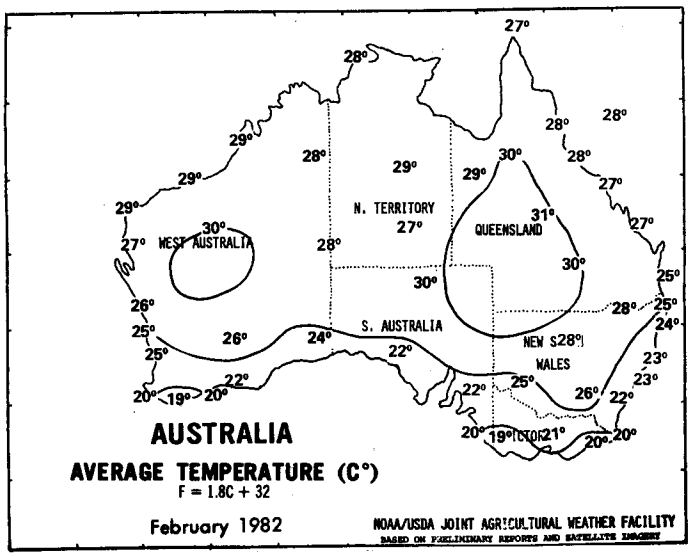


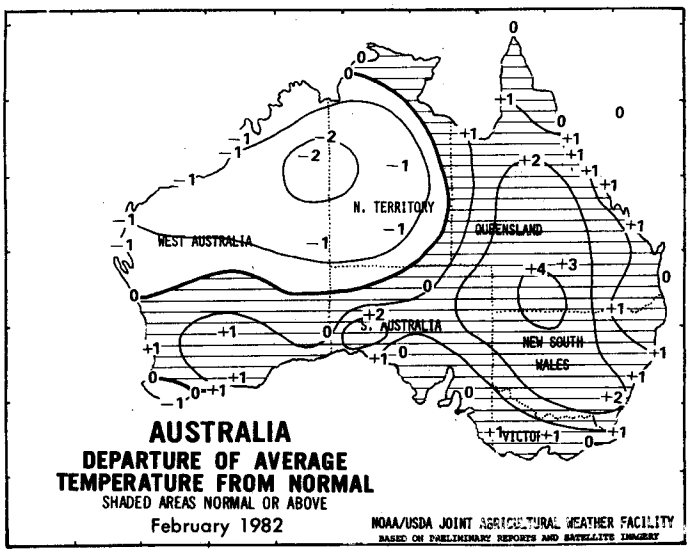












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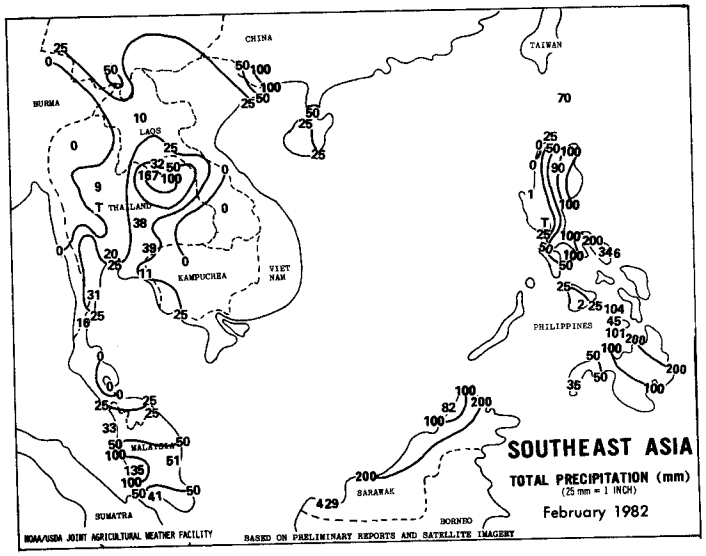
WEST VIRGINIA: Temperatures averaged above normal. High 73°, low 14°. Precipitation averaged above normal.

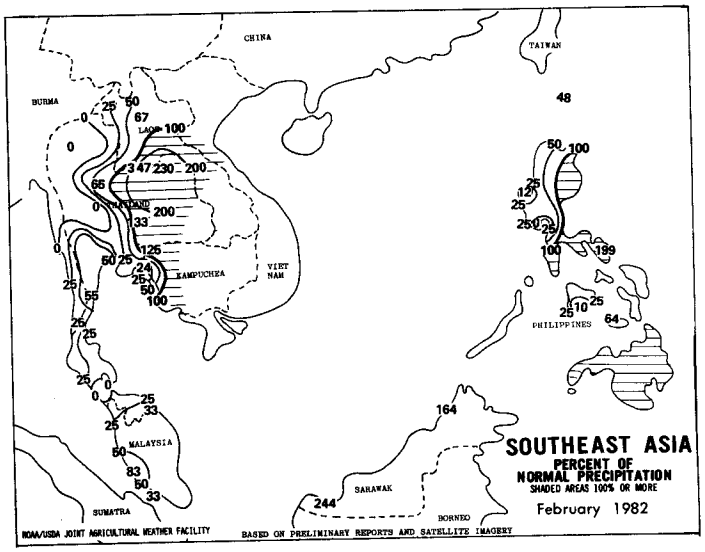
Soil moisture adequate to surplus. Days worked averaged 2.5. Hay short to adequate. Grain and other feed supplies adequate.

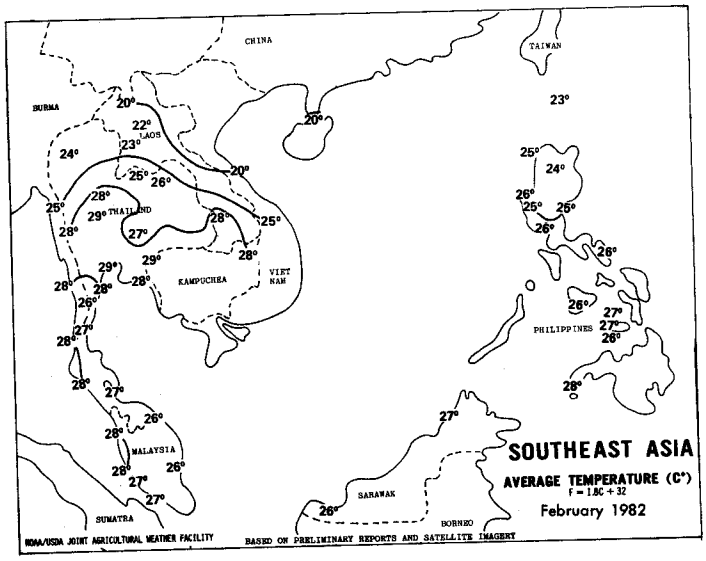
WISCONSIN: Week started out cold with below zero readings being reported on the 8th and 9th. Much warmer weather developed by mid to late week. Readings increased to the 40's on the 12th and 13th. Temperatures peaked in the low 50's on the 12th. Light to moderate snow occurred on the 9th. The heaviest snowfall was reported in Hudson where 4.5 in. were recorded. Widespread rain fell across much of the State on the 12th. The week's warmest temperature, 54°, was recorded in Racine on the 12th. The cool spot was Morse, which recorded -24° on the 9th.

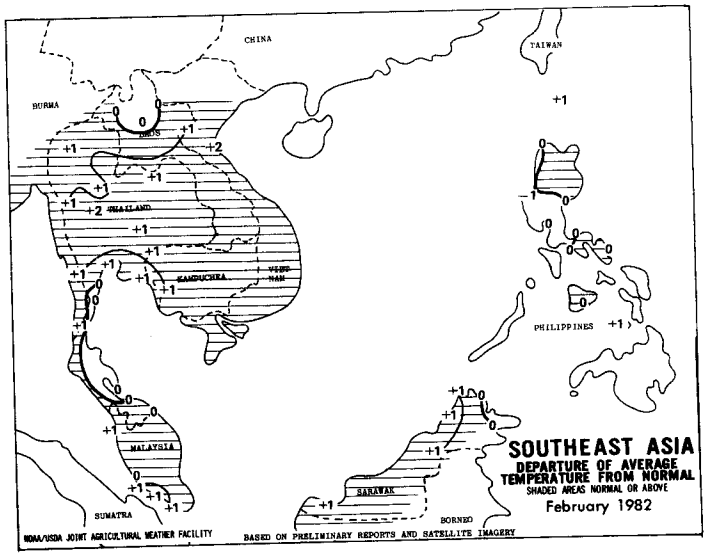
WYOMING: Well above seasonal temperatures with averages ranging 5 to 10° above normal. Maximums in 50's and 60's with high of 70°. Minimums mostly in teens except for some single digits in north. Lowest 1°. Precipitation amounts generally below normal except in extreme west and areas in Upper Platte Drainage. Maximum precipitation 0.75 in.

Winter wheat mostly good condition, little wind damage thus far. Barley planting underway Big Horn Basin. Livestock mostly good condition, lambing, calving increasing.

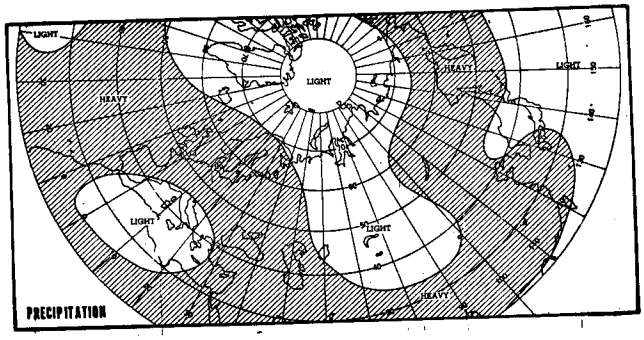


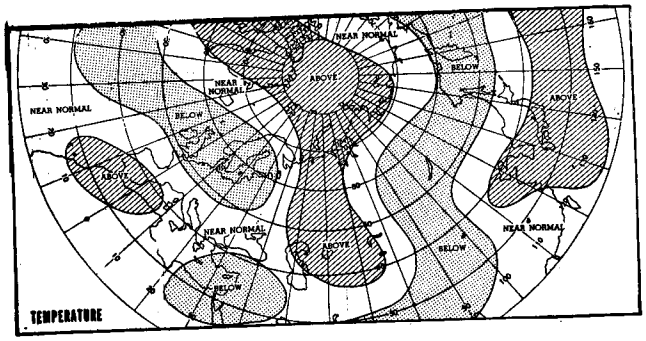




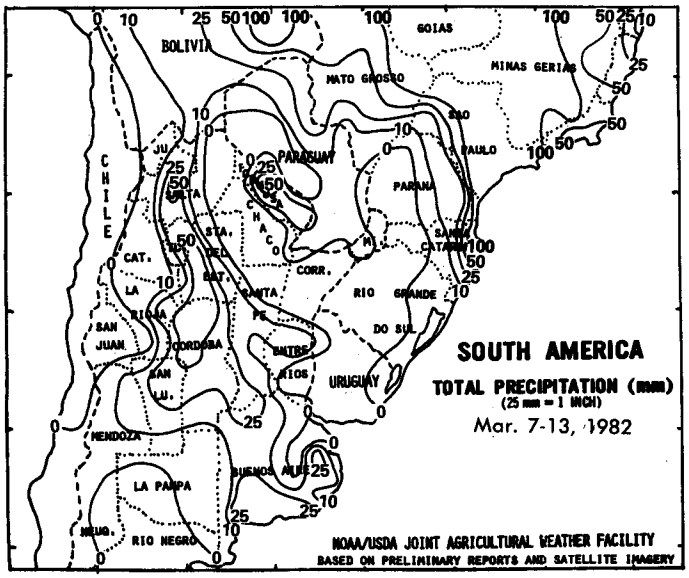


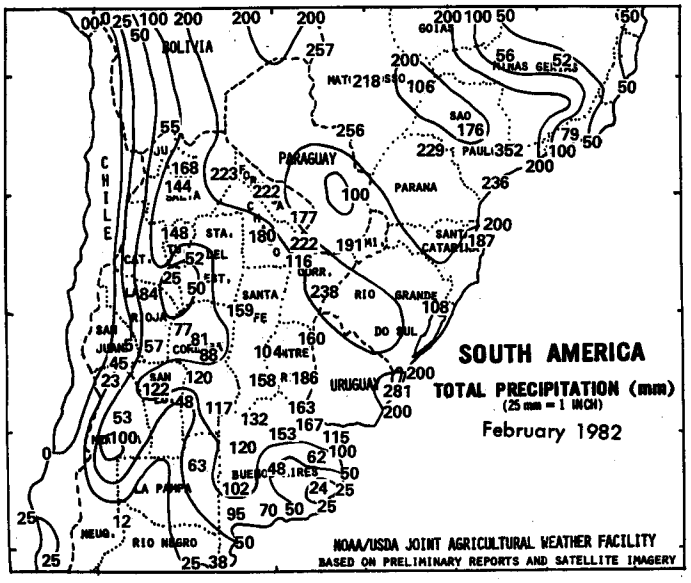
EURASIA OUTLOOK FOR MID-MARCH TO MID-APRIL

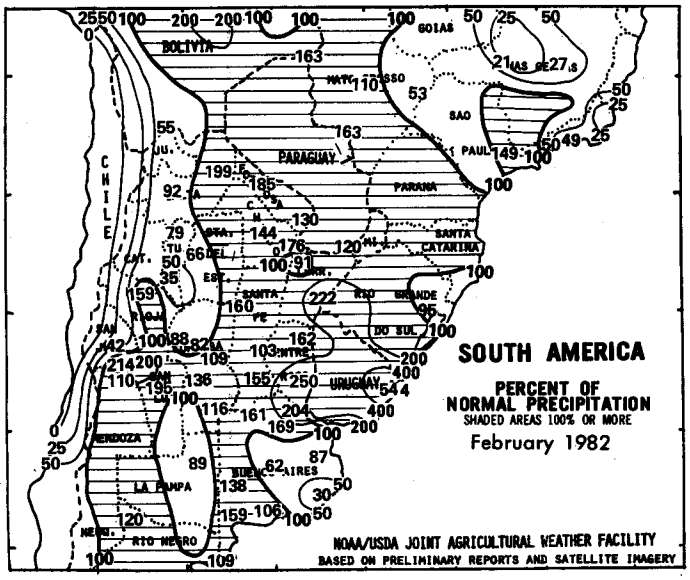


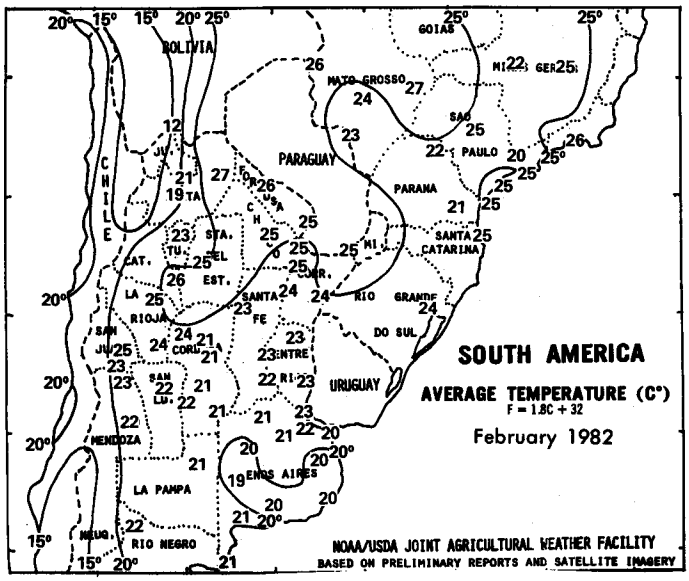


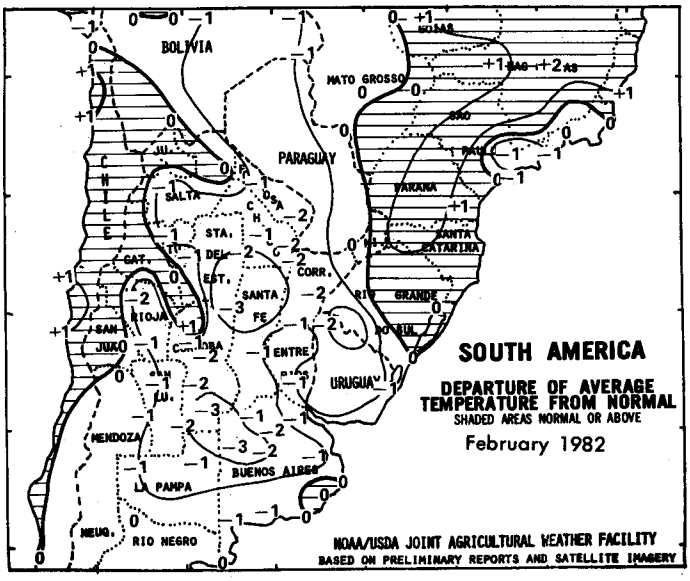
SOUTH AMERICA: Mostly dry weather during the week in southern Brazil favored harvesting of soybeans in Parana and crop maturation in Rio Grande do Sul while heavy rains further north soaked the citrus and coffee areas of Sao Paulo and vicinity. This weather pattern reversed the trend exhibited in February when abundant rains in southern Brazil improved growth conditions considerably following the long dry spell. Late maturing soybeans in southern crop areas would benefit from additional moisture. The northern subtropical crop areas received somewhat less than average monthly rainfall. In Argentina, scattered showers fell during the week over most corn/soybean areas. The recent moisture especially benefited second-crop soybeans as other crops are approaching maturity. Above-average February rainfall maintained favorable growth conditions for cotton, corn, sorghum, and soybeans. In southern Buenos Aires, recent preseason showers moistened topsoils in areas where wheat is to be planted in May.



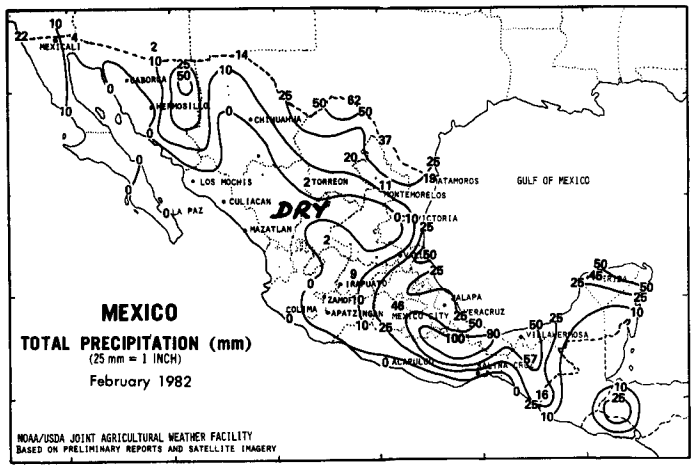


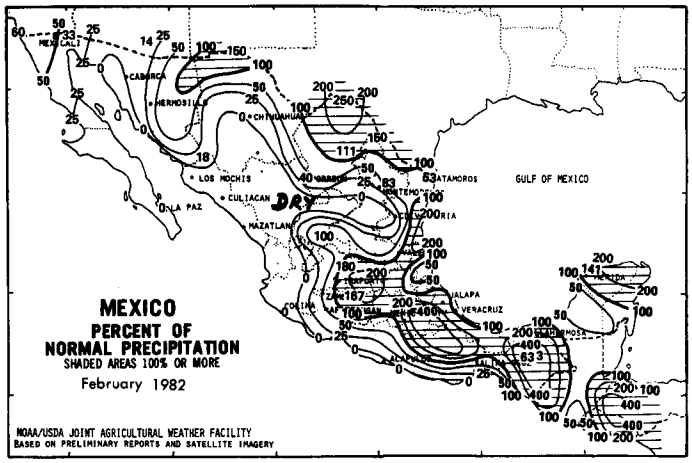


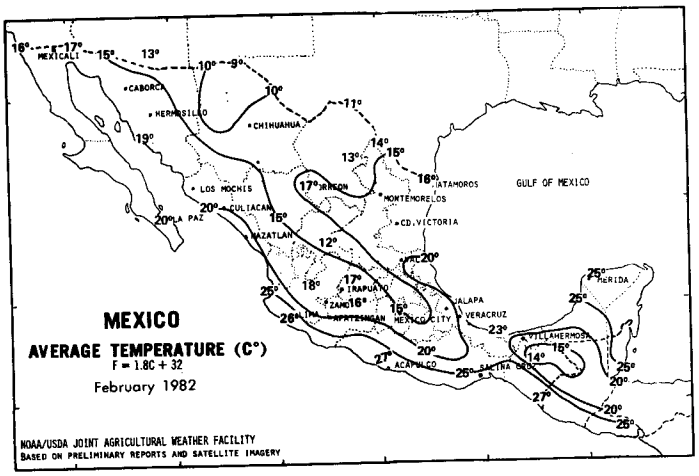


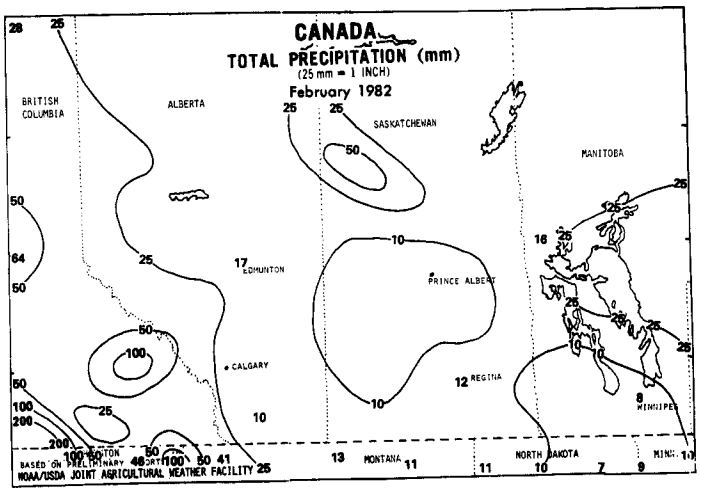


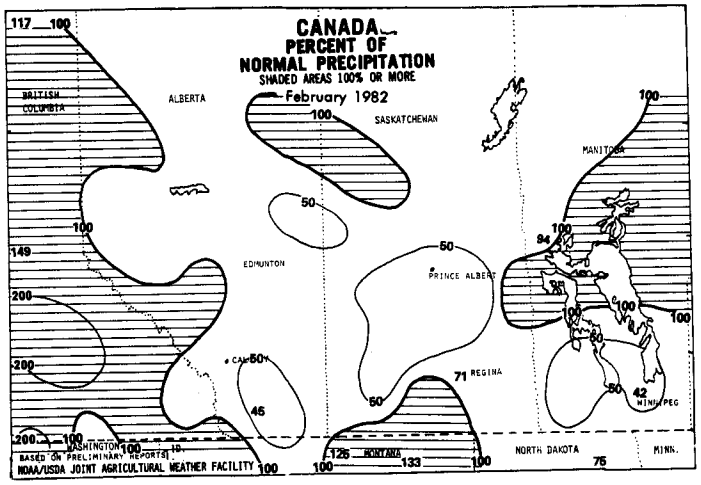
MEXICO: Corn and grain sorghum seedling development may be slowed by dry weather in several areas. The upper northeast has been dry for the past 2 weeks even though rains aided germination in mid-February. The western section of the southern Plateau's corn belt has remained dry throughout the winter. In contrast, the sunny, dry pattern has favored the irrigated West Coast vegetables; the tomato harvest is quite heavy and to date is averaging about a third greater than the 1981 season. The seasonal temperature rise in March has been favorable for planting cotton over most districts, except in the higher, cooler fields around Chihauhua. Citrus, in peak bloom around Montemorelos, needs more rain as the winter has generally been dry. Frequent, light rains throughout the winter has plagued the sugarcane harvest along the east central coast.

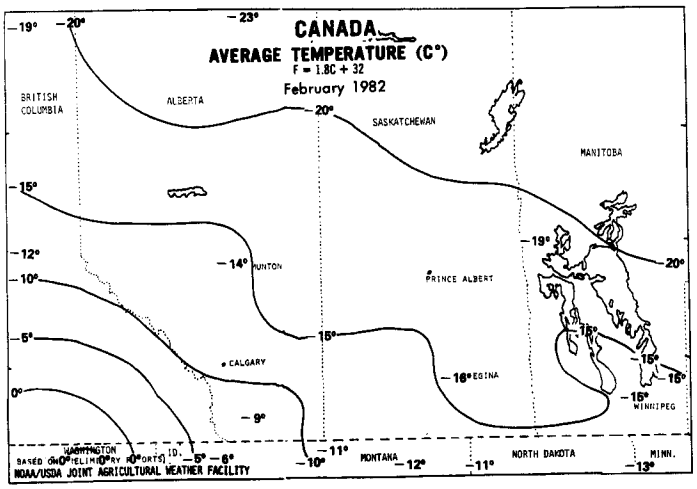


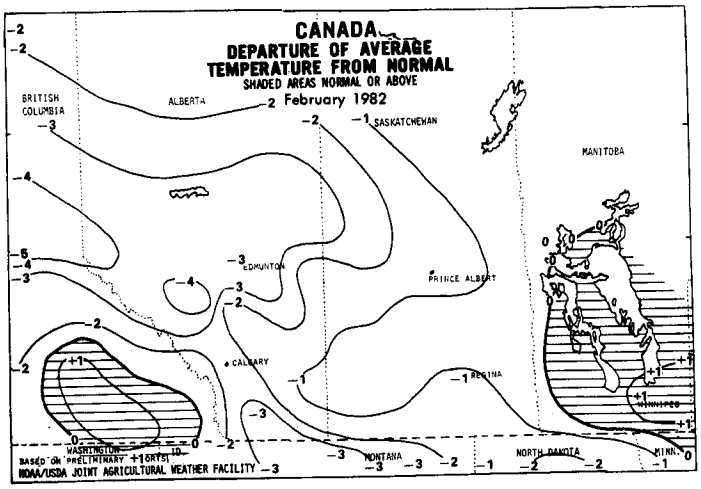












MARCH CROP PRODUCTION HIGHLIGHTS

ORANGE production is estimated at 189 million boxes (7.34 million metric tons), down 3 percent from the February 1 forecast and 23 percent below last season.

CITRUS production is forecast at 12.4 million tons (11.3 million metric tons), 18 percent below the 1980-81 season.

GRAPEFRUIT production (excluding California's "Other Areas") is expected to total 66.8 million boxes (2.48 million metric tons), 1 percent above the February 1 forecast and 4 percent more than 1980-81.

LEMON production to be utilized is estimated at 26.8 million boxes (924 thousand metric tons), down 3 percent from last month's forecast and 16 percent less than last season's record high crop.

WINTER POTATO production is forecast at 2.32 million cwt (105 thousand metric tons), up 2 percent from last month and 6 percent greater than last year's record low crop.

SPRING POTATO area for harvest is expected to total 77.8 thousand acres (31.5 thousand hectares), down fractionally from last year and the second smallest acreage of record.

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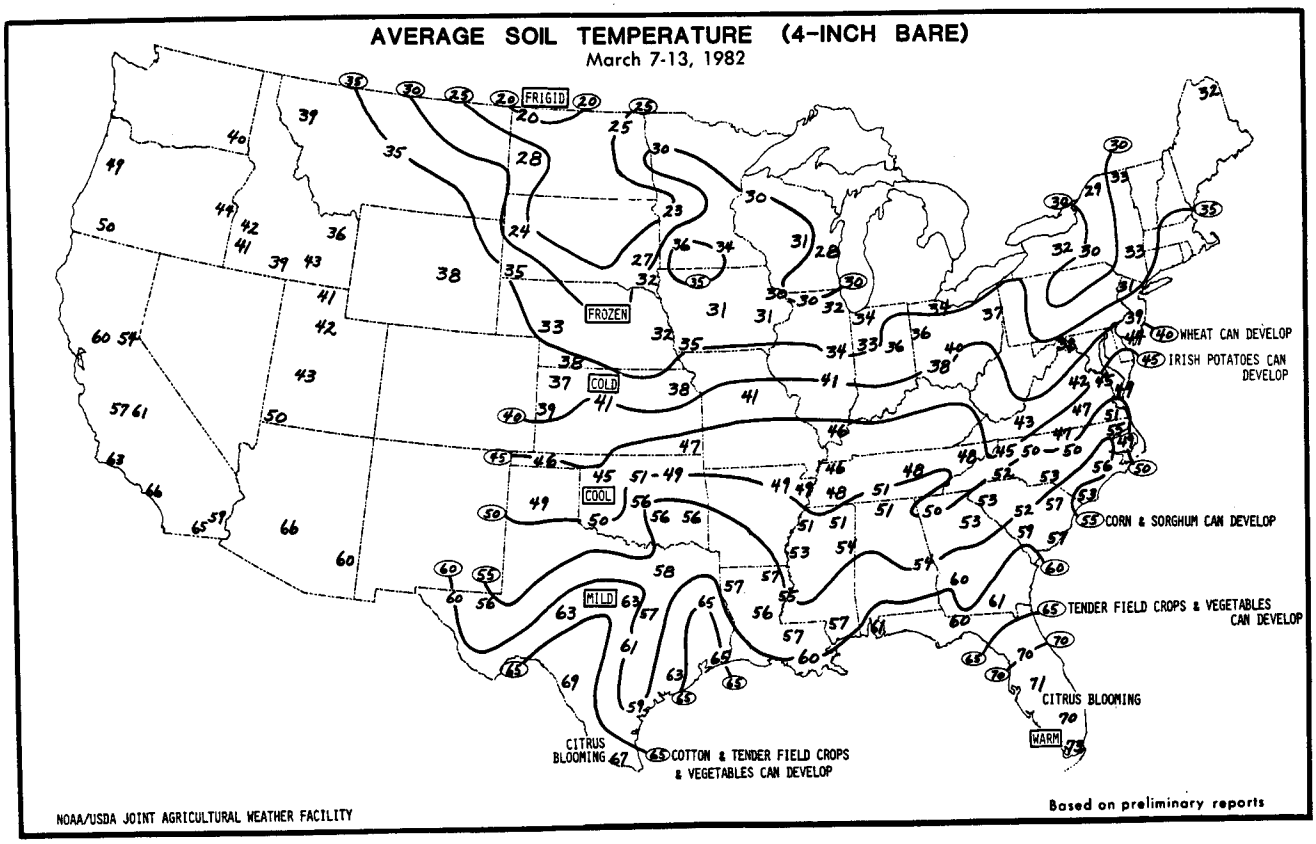

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