WEEKLY WEATHER AND CROP BULLETIN

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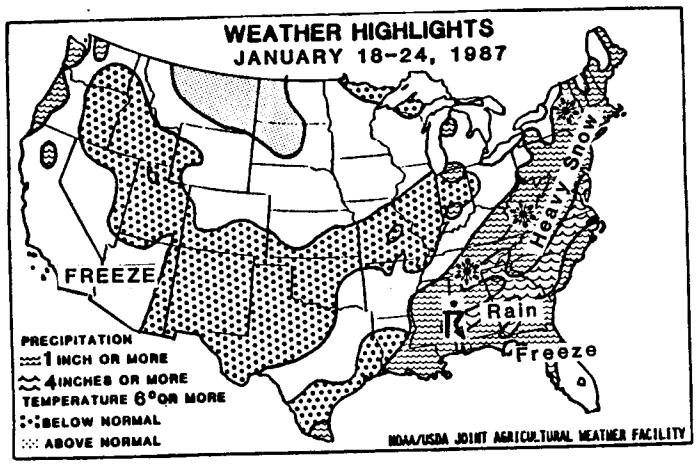
National Weather Summary

January 18 to 24, 1987



HIGHLIGHTS: On the first day, temperatures dropped well below freezing in the southern California valleys. This was the second morning in a row of freezing temperatures. Two major storms affected the South and the East Coast States during the week. The first dropped moderate to heavy rain from the Southeast to the Mid-Atlantic States and moderate snow or freezing rain northward to New England. The second storm, after midweek, spread snow from the Tennessee Valley and southern Appalachians, through the western Carolinas and most of Virginia and through New England. Heavy snow covered western North Carolina and Virginia and northward. As the week ended, another threatening storm developed in Arkansas and spread snow, sleet, or freezing rain from Arkansas to the Ohio Valley, and thunderstorms from the lower Mississippi Valley into Georgia.

SUNDAY...Low temperatures again dropped to below freezing in southern California but rose to the sixties in the afternoon. Light rain fell along the Northwest coast with snow covering the Intermountain region, the Rockies, Great Plains, and Midwest. A storm developing off the Carolina coast and another in the Southeast triggered moderate to heavy rain from the lower Mississippi Valley to the Mid-Atlantic coast. Freezing rain covered the northern part of the Mid-Atlantic, and snow fell to southern New England. Snow also fell from western Texas through the Ohio Valley and the Great Lakes.

MONDAY...Temperatures again dropped to freezing and below in some of the valleys of southern California, but there it was not as cold nor as far south. The storm moving up the east coast spread rain from Florida through eastern Maryland and snow northward to New England. Snow continued in the Rockies, western Texas, and the Midwest, and from the northern Great Plains to the Appalachians.

TUESDAY...The severe storm moved out of the Northeast, but light snow continued from the northern Plains to the central and northern Appalachians. Another storm, brewing in the western Gulf of Mexico, spread rain along the gulf coast and over the Southeast. Snow continued to fall in the southern Rockies and western Texas.

WEDNESDAY...Freezing temperatures again reached into some of the valleys of southern California after a warmer day on Tuesday. The storm in the Gulf of Mexico continued to develop and spread its influence northward. Rain covered the gulf coast and northward into southern Virginia. Freezing rain developed in parts of West Virginia. Light snow fell from the central and northern Plains through the Great Lakes.

THURSDAY...The storm in the Gulf of Mexico developed into a major storm and moved into the Southeast and northward along the east coast. Snow fell through the Tennessee Valley, the Appalachians, western Carolinas, most of Virginia, and northeastward. Heavy snow covered the area from southwestern Virginia, through all of Maryland and Delaware, and northward through New England. Snow also fell through the Ohio Valley and the Great Lakes region. Rain fell along the west coast to central California as temperatures warmed.

FRIDAY...The Mid-Atlantic States cleared as the storm moved northeastward, but snow fell from Pennsylvania and New Jersey through New England. Light snow fell from the Ohio Valley through the eastern Great Lakes. Much warmer weather covered the west coast as rain spread along the coast. Snow fell in the inland mountains.

(Continued to p. 4)

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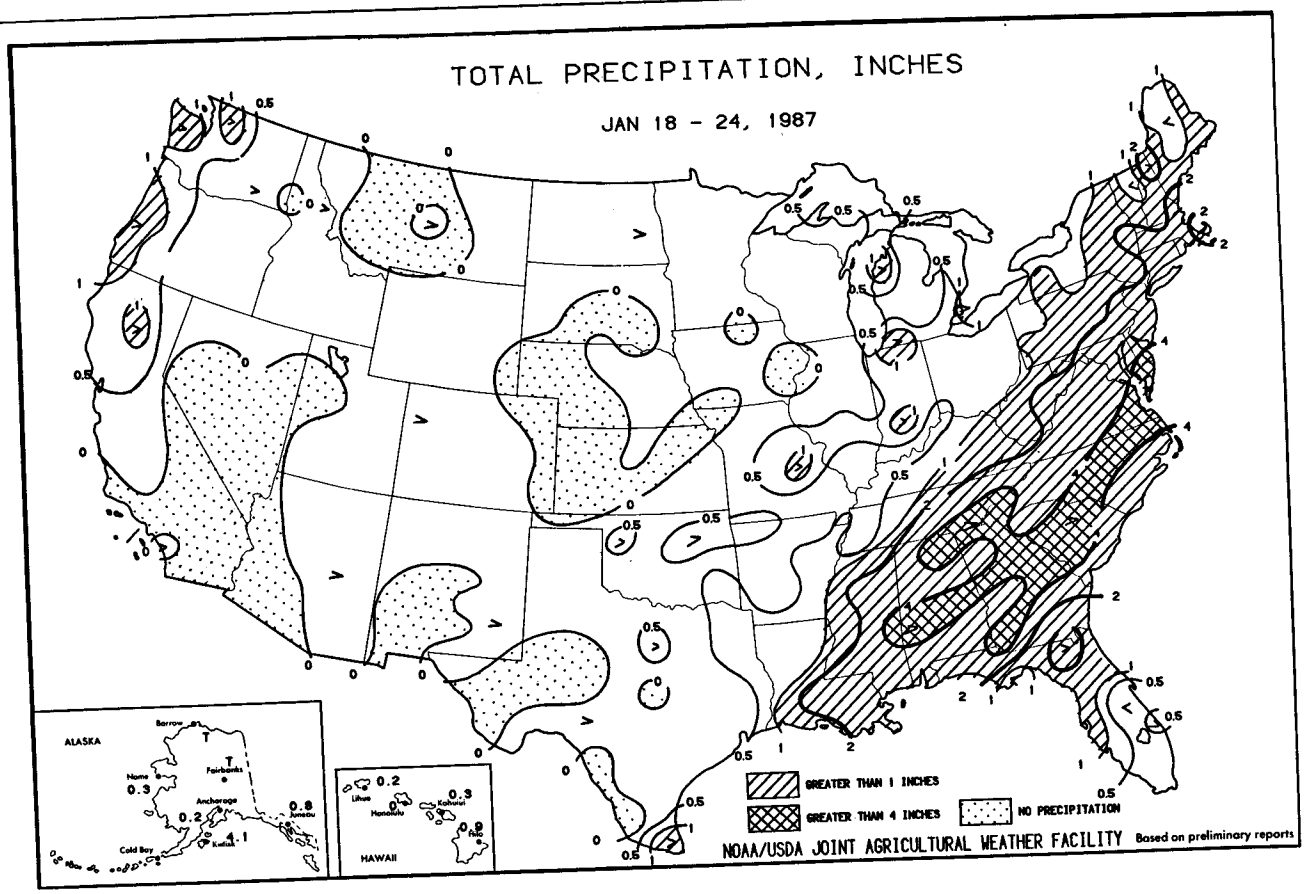
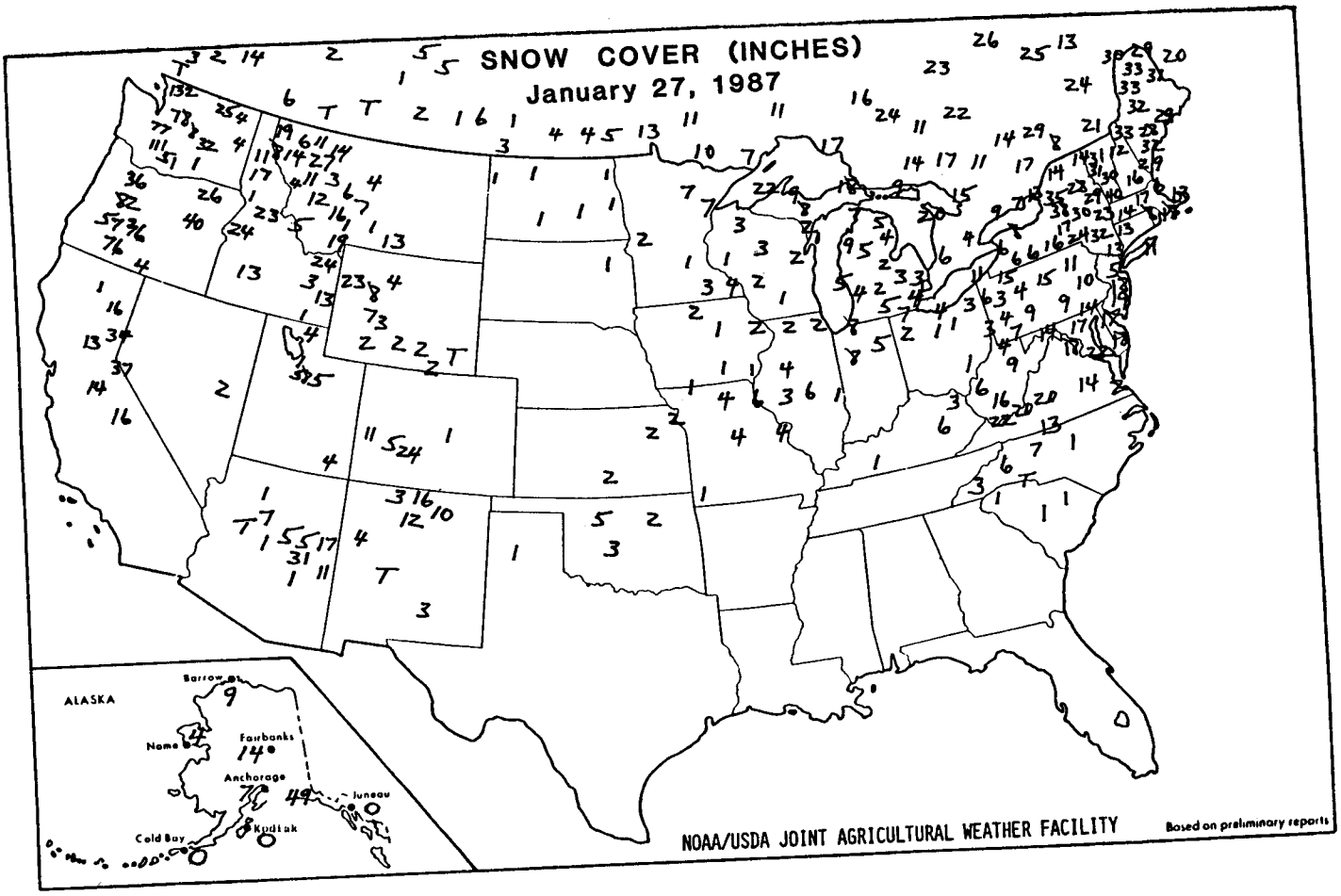
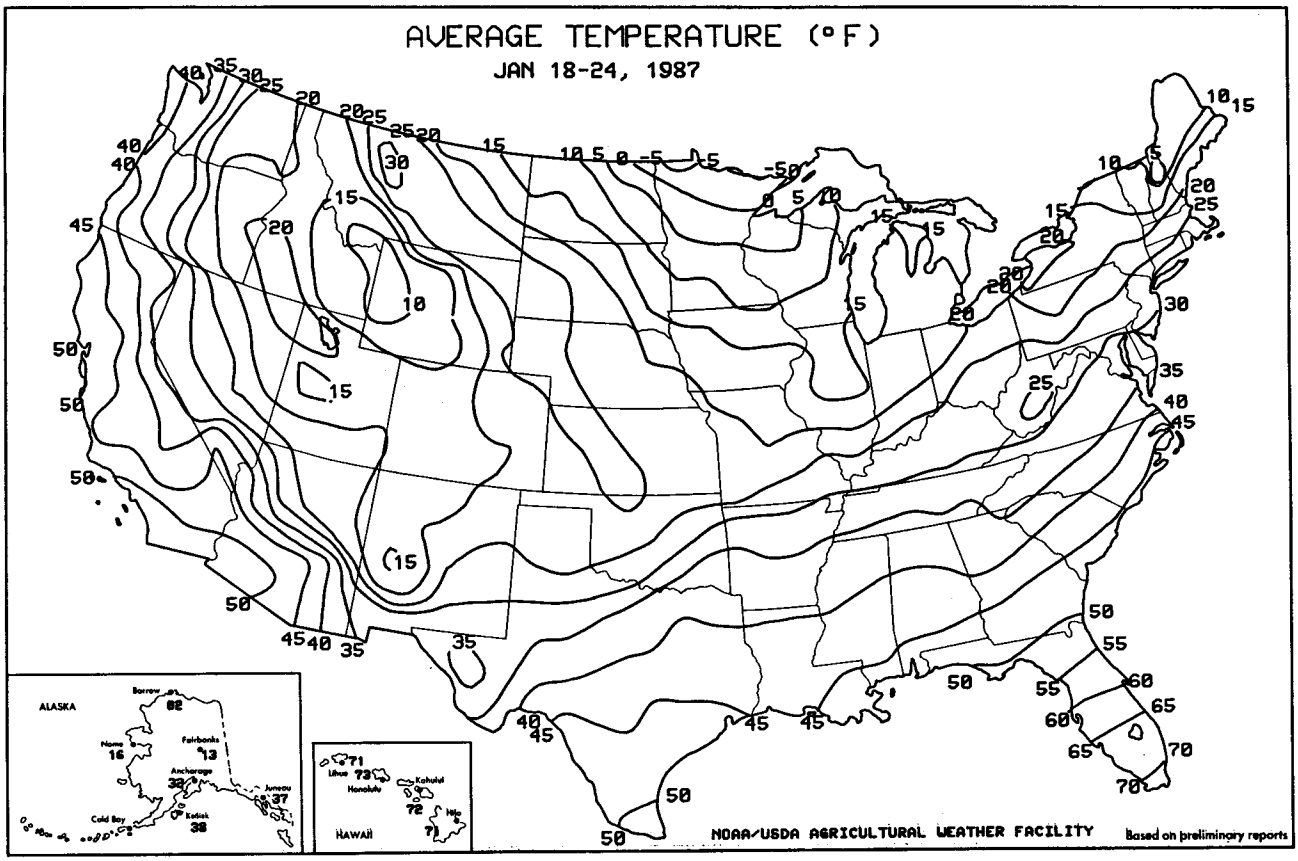
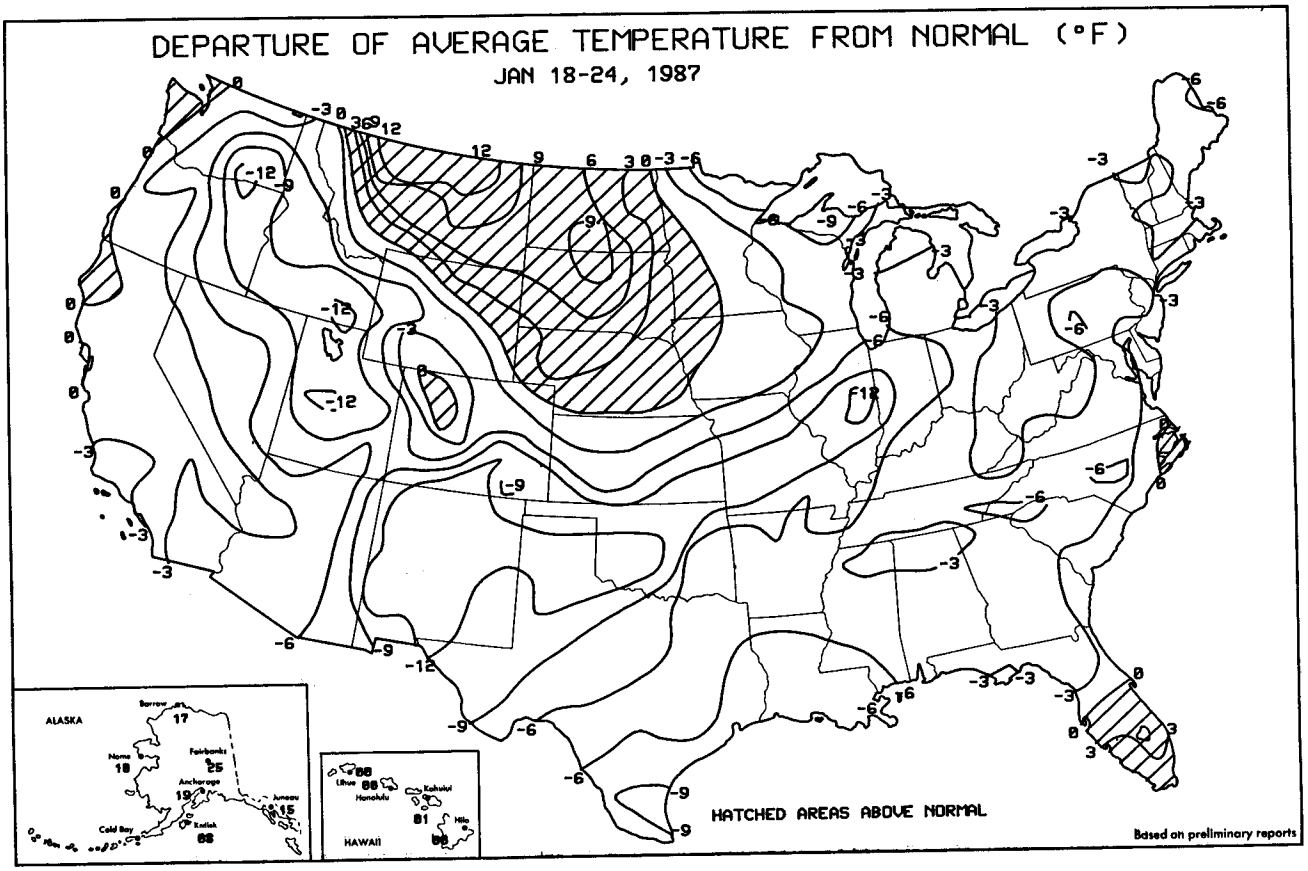

TOTAL PRECIPITATION, INCHES
JAN 18 - 24, 1987
GREATER THAN 1 INCHES
GREATER THAN 4 INCHES
NO PRECIPITATION
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports
ALASKA
HAWAII


SNOW COVER (INCHES)
January 27, 1987
ALASKA
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports



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



National Weather Data for Selected Cities

Weather Data for the Week Ending January 24, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	48	32	60	23	40	-3	3.1	1.9	2.7	8.0	88	4.6	112	89	50	0	5	3	1
MOBILE	54	37	75	25	46	-5	2.0	1.1	1.5	8.4	93	4.7	134	94	57	0	3	3	1
MONTGOMERY	52	35	69	24	43	-4	4.1	3.1	2.0	9.9	123	6.9	216	90	54	0	3	5	2
AK ANCHORAGE	36	28	40	23	32	19	.2	.1	.1	2.9	173	1.5	250	93	71	0	7	4	0
BARROW	9	-5	22	-22	2	18	T	0	T	.2	69	.1	100	89	69	0	7	2	0
FAIRBANKS	22	4	31	-6	13	26	T	-.1	T	.9	77	.6	120	96	78	0	7	1	0
JUNEAU	39	34	43	33	36	15	.8	0	.6	10.6	142	4.0	138	97	81	0	0	3	1
KODIAK	41	34	42	31	38	5	4.1	2.1	.9	19.8	156	8.5	133	95	70	0	2	7	4
NOME	24	8	27	-1	16	10	.3	.1	.2	2.1	156	.9	129	90	68	0	7	3	0
AZ PHOENIX	61	37	70	31	49	-3	T	-.1	T	1.6	111	.2	33	63	20	0	2	0	0
PRESCOTT	48	19	55	12	33	-3	.1	-.2	.1	1.4	47	.6	43	86	34	0	7	2	0
TUCSON	59	31	72	23	45	-6	.1	-.1	.1	1.8	110	.5	71	78	21	0	4	1	0
YUMA	65	40	73	31	53	-4	0	-.1	0	.2	37	T	0	41	16	0	1	0	0
AR FORT SMITH	43	24	51	18	34	-4	.2	-.2	.2	3.6	85	2.4	171	88	50	0	7	1	0
LITTLE ROCK	42	28	52	24	35	-5	.4	-.4	.4	4.9	70	1.5	52	82	55	0	6	2	0
CA BAKERSFIELD	58	32	63	27	45	-4	T	-.2	T	2.3	169	1.3	186	83	36	0	5	1	0
EUREKA	57	41	62	36	49	2	.9	-.7	.4	8.7	75	4.9	89	90	59	0	0	3	0
FRESNO	57	33	60	28	45	-1	.1	-.4	.1	4.1	128	1.8	113	86	42	0	5	1	0
LOS ANGELES	62	43	66	40	52	-4	T	-.8	T	1.6	40	1.3	57	79	37	0	0	0	0
REDDING	53	33	64	25	43	***	1.9	***	1.5	7.3	***	5.4	***	83	44	0	4	3	1
SACRAMENTO	55	34	64	28	45	-1	.6	-.4	.3	2.0	33	1.3	42	85	42	0	4	2	0
SAN DIEGO	63	45	67	39	54	-3	0	-.5	0	2.6	86	1.6	100	82	37	0	0	0	0
SAN FRANCISCO	57	43	63	38	50	2	.5	-.6	.4	3.9	54	2.2	61	84	43	0	0	2	0
CO DENVER	40	11	50	-1	25	-4	.1	0	.1	1.0	110	.7	175	80	37	0	7	1	0
GRAND JUNCTION	31	6	37	0	19	-7	.1	-.1	.1	.6	55	.1	20	84	48	0	7	2	0
PUEBLO	33	1	44	-11	17	-13	.1	.1	.1	1.2	209	.7	350	94	54	0	7	2	0
CT BRIDGEPORT	34	23	37	12	28	-1	2.3	1.6	1.0	8.2	131	3.8	146	88	57	0	7	4	3
HARTFORD	30	13	35	7	22	-3	2.8	2.1	1.6	11.7	170	5.6	200	89	61	0	7	4	3
DC WASHINGTON	37	26	42	11	31	-4	3.0	2.4	1.5	8.8	164	3.8	173	87	48	0	5	3	3
FL APALACHICOLA	59	44	71	33	51	-1	.9	.1	.3	15.2	247	5.6	207	95	60	0	0	4	0
DAYTONA BEACH	67	46	84	29	57	-1	1.4	.8	.9	4.5	114	1.8	106	98	56	0	2	4	1
JACKSONVILLE	61	42	78	26	51	-2	1.4	.7	.7	8.3	169	3.6	157	94	52	0	2	3	2
KEY WEST	78	67	82	53	72	4	.2	-.2	.2	11.9	393	.7	54	89	65	0	0	1	0
MIAMI	80	60	88	44	70	3	.1	-.4	.1	3.0	88	.8	50	90	52	0	0	1	0
ORLANDO	70	50	85	32	60	0	.4	-.1	.4	4.8	140	1.2	75	95	56	0	1	3	0
TALLAHASSEE	58	38	72	24	48	-4	1.2	.1	.5	13.6	167	5.6	156	95	54	0	2	3	1
TAMPA	69	52	79	34	60	0	1.9	1.4	.8	5.1	136	3.1	194	96	63	0	0	5	2
WEST PALM BEACH	78	57	86	41	68	3	.2	-.4	.2	11.2	259	1.1	52	92	53	0	0	3	0
GA ATLANTA	43	31	53	22	37	-5	3.5	2.3	2.1	7.6	95	4.6	121	89	57	0	4	4	2
AUGUSTA	50	34	68	23	42	-3	5.3	4.4	2.2	12.5	200	8.3	268	94	54	0	2	4	4
MACON	49	35	68	28	42	-4	3.0	2.0	1.1	9.9	135	6.2	188	89	54	0	2	5	3
SAVANNAH	56	39	70	30	48	-2	2.3	1.6	1.1	13.2	256	8.1	338	89	52	0	2	4	2
HI HILO	77	65	79	63	71	0	.9	-1.2	.8	13.7	69	8.0	116	87	56	0	0	2	1
HONOLULU	80	66	83	63	73	1	T	-.8	T	.7	11	.1	3	75	43	0	0	0	0
KAHULUI	78	66	80	59	72	1	.3	-.7	.3	4.3	70	1.4	42	75	48	0	0	1	0
LIHUE	75	66	78	62	71	0	.2	-1.2	.1	1.5	14	.2	4	79	55	0	0	2	0
ID BOISE	33	12	40	5	22	-8	.1	-.3	.1	.5	17	.3	23	90	51	0	7	1	0
LEWISTON	32	16	41	10	24	-8	T	-.3	T	.6	27	.1	9	89	68	0	7	0	0
POCATELLO	24	0	37	-13	12	-12	.2	-.1	.2	1.0	55	.8	89	88	64	0	7	2	0
IL CHICAGO	22	7	29	-5	15	-7	.1	-.3	.1	2.3	67	1.2	92	83	55	0	7	2	0
MOLINE	26	9	31	-3	17	-2	T	-.4	T	2.7	82	.7	54	83	48	0	7	0	0
PEORIA	22	6	31	-7	14	-7	.3	-.1	.3	4.0	120	1.4	108	89	62	0	7	1	0
QUINCY	25	8	33	-8	17	-6	.5	.2	.5	3.3	119	1.5	136	82	53	0	7	1	0
ROCKFORD	22	3	30	-7	13	-5	T	-.3	T	1.2	40	.6	55	83	55	0	7	0	0
SPRINGFIELD	24	4	32	-10	14	-10	.5	.1	.4	2.8	87	1.4	117	83	56	0	7	3	0
IN EVANSVILLE	31	18	38	6	25	-5	.4	-.3	.2	2.9	50	.7	30	92	60	0	6	4	0
FORT WAYNE	24	7	34	-9	15	-8	.9	.5	.8	3.1	76	1.5	88	90	69	0	7	4	1
INDIANAPOLIS	25	11	33	-3	18	-8	.7	.1	.6	3.1	62	1.4	67	87	66	0	7	3	1
SOUTH BEND	24	8	31	-5	16	-7	1.1	.5	.5	3.6	73	1.9	95	90	66	0	7	5	0
IA DES MOINES	27	6	38	-10	17	-1	.1	-.2	0	1.4	78	.4	57	86	51	0	7	2	0
SIOUX CITY	30	5	38	-9	17	1	.1	0	.1	.4	34	.2	40	90	47	0	7	2	0
WATERLOO	21	1	32	-10	11	-2	T	-.1	T	1.2	67	.4	67	88	60	0	7	1	0
KS CONCORDIA	34	12	45	4	23	-1	T	-.1	T	2.0	168	.5	100	82	43	0	7	0	0
DODGE CITY	34	16	42	9	25	-4	T	-.1	T	1.5	171	.6	150	87	53	0	7	0	0
GOODLAND	36	13	43	9	25	-2	T	-.1	T	.5	63	.3	100	84	49	0	7	0	0
TOPEKA	30	12	42	9	21	-5	T	-.1	T	2.3	116	1.1	157	82	52	0	7	2	0
WICHITA	31	11	41	1	21	-9	.2	.1	.2	2.6	172	1.4	280	87	59	0	7	-1	0
KY BOWLING GREEN	35	24	44	17	29	-4	.8	-.2	.5	5.8	71	1.1	31	99	63	0	6	4	1
LEXINGTON	32	20	47	5	26	-5	.8	.1	.4	4.3	65	1.0	36	90	54	0	6	4	0
LOUISVILLE	33	21	42	11	27	-5	.5	-.3	.4	3.4	55	.7	27	84	55	0	6	3	0
LA ALEXANDRIA	50	34	63	27	42	-10	.5	-.5	.4	9.3	109	4.4	122	82	50	0	2	3	0
BATON ROUGE	53	35	70	26	44	-7	2.1	1.0	1.6	13.2	157	7.0	200	92	52	0	1	4	1
LAKE CHARLES	51	35	65	27	43	-8	1.3	.4	.9	16.6	198	6.8	206	93	57	0	2	3	1
NEW ORLEANS	54	38	75	28	46	-6	3.5	2.4	1.9	13.3	147	8.3	218	90	58	0	1	4	2

Based on 1951-80 normals.

(Continued from front cover)

SATURDAY...Very cold weather covered the East and freezing temperatures dipped into northern Florida. Another storm, this time developing in Arkansas, spread snow, sleet, and freezing rain from northern Arkansas to the lower and middle Ohio Valley. Showers and thunderstorms developed from the lower Mississippi Valley into western Georgia. Another storm in the West spread rain along the coast to central California and snow across the intermountain region and central Plateau to the Rockies.

Weather Data for the Week Ending January 24, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	50	29	68	22	40	-6	.6	-.3	.6	7.0	100	2.3	74	91	43	0	5	2	1
ME CARIBOU	15	-4	33	-16	6	-4	1.1	.6	.6	3.8	76	2.2	116	92	60	0	7	4	1
PORTLAND	28	8	35	-1	18	-3	1.6	.7	.5	10.6	142	4.7	162	90	55	0	7	5	1
MD BALTIMORE	35	24	40	4	29	-3	3.4	2.8	1.8	10.2	179	4.7	204	88	51	0	5	3	3
SALISBURY	40	27	44	9	33	-2	4.1	3.4	2.5	12.8	203	6.0	231	95	58	0	4	3	3
MA BOSTON	32	17	42	11	25	-5	2.3	1.4	.9	12.0	159	5.7	184	90	56	0	7	4	3
CHATHAM	39	25	49	13	32	1	1.4	.4	.6	11.9	143	4.4	129	92	67	0	7	5	1
MI ALPENA	24	6	30	-3	15	-2	.2	-.2	.1	1.4	43	.5	38	87	58	0	7	2	0
DETROIT	24	11	33	-5	18	-6	.6	.2	.4	4.1	102	1.8	120	92	64	0	7	4	0
FLINT	24	8	31	-6	16	-5	.3	-.1	.2	2.7	82	.9	75	88	63	0	7	5	0
GRAND RAPIDS	24	10	31	0	17	-5	.2	-.2	.1	1.6	39	.5	33	85	57	0	7	5	0
HOUGHTON LAKE	20	7	28	-7	13	-3	.2	-.2	.1	1.3	41	.4	33	88	65	0	7	4	0
LANSING	24	9	32	-9	16	-5	.1	-.2	.1	1.8	51	.8	57	88	62	0	7	2	0
MARQUETTE	16	-4	22	-16	6	-6	.3	-.1	.2	1.5	37	1.0	63	97	66	0	7	4	0
MUSKEGON	25	12	32	3	18	-5	.4	-.2	.1	2.4	53	1.0	53	91	66	0	7	5	0
SAULT STE. MARIE	19	1	27	-21	10	-3	.9	.4	.3	3.5	82	1.3	76	89	60	0	7	7	0
MN ALEXANDRIA	16	-6	31	-24	5	0	T	-.2	T	.4	31	.3	43	86	59	0	7	1	0
DULUTH	10	-8	21	-27	1	-5	.1	-.2	.1	.6	28	.2	20	81	50	0	7	2	0
INT'L FALLS	6	-13	17	-35	-4	-3	.2	0	.2	.5	29	.2	29	85	56	0	7	1	0
MINNEAPOLIS	18	-1	34	-14	8	-2	.1	-.1	.1	.5	34	.2	29	84	52	0	7	3	0
ROCHESTER	16	-2	30	-17	7	-3	.1	-.1	.1	.7	47	.4	67	91	62	0	7	1	0
MS GREENWOOD	47	32	58	24	39	-4	1.2	0	1.1	5.4	57	2.9	73	94	56	0	4	2	1
JACKSON	49	32	60	22	41	-5	1.8	.7	1.4	9.2	99	4.3	110	93	55	0	4	3	1
MERIDIAN	50	32	67	22	41	-4	4.9	3.9	4.5	12.2	127	8.1	208	94	54	0	5	4	1
MO CAPE GIRARDEAU	35	21	41	14	28	--	.2	-.4	.1	3.0	50	.7	30	94	59	0	7	3	0
COLUMBIA	27	11	34	-3	19	-8	.5	.2	.5	4.1	130	2.1	175	96	64	0	7	3	0
KANSAS CITY	28	11	37	5	20	-6	T	-.2	T	2.0	90	.8	89	83	54	0	7	2	0
SAINT LOUIS	27	14	40	2	21	-8	.6	.2	.5	3.0	86	2.0	154	86	51	0	7	4	0
SPRINGFIELD	30	14	36	8	22	-9	.3	-.1	.2	3.4	89	2.1	175	89	62	0	7	2	0
MT BILLINGS	39	20	47	13	29	9	T	-.2	T	.2	11	.1	13	65	35	0	7	0	0
GLASGOW	28	11	36	4	20	12	.1	-.1	0	.2	25	.1	33	93	68	0	7	3	0
GREAT FALLS	42	21	49	15	31	13	T	-.2	T	.3	18	.1	13	67	34	0	7	0	0
HAVRE	36	11	48	6	24	13	T	-.1	T	.1	7	.1	20	90	51	0	7	0	0
HELENA	34	10	40	6	22	4	T	-.1	T	.4	34	T	0	83	48	0	7	0	0
KALISPELL	28	7	31	2	17	-2	.1	-.2	.1	.8	29	.3	23	98	71	0	7	1	0
MILES CITY	33	12	38	5	23	9	T	-.1	T	.2	17	0	0	84	50	0	7	1	0
MISSOULA	28	7	31	1	18	-4	T	-.3	T	.7	28	.2	18	90	60	0	7	1	0
NE GRAND ISLAND	34	9	40	4	22	2	T	-.1	T	.3	32	.1	25	86	39	0	7	1	0
LINCOLN	33	9	44	3	21	2	T	-.1	T	1.4	120	0	0	82	39	0	7	1	0
NORFOLK	31	7	38	-2	19	2	.1	0	.1	.7	64	.3	75	87	42	0	7	2	0
NORTH PLATTE	36	11	42	5	23	2	T	-.1	T	.4	62	.2	67	85	42	0	7	0	0
OMAHA	31	8	40	-5	19	1	T	-.1	T	.7	57	0	0	65	45	0	7	1	0
SCOTTSBLUFF	38	12	50	7	25	1	T	-.1	T	.6	64	.3	75	83	33	0	7	0	0
VALENTINE	36	10	47	4	23	5	T	-.1	T	.1	11	.1	50	77	39	0	7	1	0
NV ELY	37	2	46	-11	19	-5	T	-.1	T	.7	53	.6	100	84	46	0	7	0	0
LAS VEGAS	55	31	62	26	43	-2	0	-.1	0	1.6	240	1.2	300	57	20	0	3	0	0
RENO	45	18	53	10	32	-1	T	-.3	T	.6	29	.4	40	87	34	0	7	0	0
WINNEMUCCA	39	9	47	-3	24	-6	.1	-.2	.1	.6	35	.5	71	88	41	0	7	1	0
NH CONCORD	27	3	35	-7	15	-5	1.1	.5	.5	7.0	125	2.5	114	88	52	0	7	4	1
NJ ATLANTIC CITY	37	24	44	6	30	-1	2.6	1.8	1.0	9.1	146	4.3	165	93	60	0	6	3	3
NM ALBUQUERQUE	32	10	44	0	21	-14	.1	0	.1	.9	108	.5	167	88	47	0	7	1	0
CLOVIS	35	18	46	12	27	-10	.1	0	.1	1.8	168	.4	100	77	55	0	7	2	0
ROSWELL	42	15	54	8	29	-13	T	0	T	1.1	243	.3	150	89	50	0	7	1	0
NY ALBANY	28	10	34	0	19	-2	2.0	1.5	1.2	7.8	160	3.9	205	95	54	0	7	4	2
BINGHAMTON	24	14	32	-1	19	-2	1.2	.6	.7	5.6	113	3.1	155	88	57	0	7	5	1
BUFFALO	27	16	35	1	21	-2	1.0	.3	.5	6.3	108	2.2	92	89	57	0	7	5	0
NEW YORK	33	25	40	12	29	-2	1.6	.9	.6	9.2	150	4.0	167	83	50	0	7	3	2
ROCHESTER	27	15	36	3	21	-2	.7	.2	.3	5.1	118	1.6	94	91	54	0	7	3	0
SYRACUSE	26	14	35	6	20	-2	.7	.2	.4	5.8	112	2.5	125	85	54	0	7	5	0
NC ASHEVILLE	41	23	55	7	32	-5	2.5	1.7	1.5	7.2	118	3.0	115	94	54	0	6	4	2
CHARLOTTE	43	29	54	19	36	-5	2.2	1.3	1.0	7.1	113	3.9	134	92	57	0	5	4	3
GREENSBORO	40	26	45	10	33	-5	2.3	1.5	1.1	6.9	115	3.3	122	91	55	0	6	3	2
HATTERAS	57	40	74	26	48	3	2.4	1.3	1.2	14.3	176	7.7	208	91	59	0	2	4	2
NEW BERN	52	35	73	20	43	-1	2.9	2.0	1.7	9.8	146	6.3	203	97	55	0	2	4	2
RALEIGH	42	29	52	17	36	-4	4.1	3.2	1.7	9.0	154	6.1	226	91	55	0	4	3	3
WILMINGTON	54	36	73	25	45	0	2.4	1.5	1.3	12.1	195	5.9	211	92	53	0	2	4	1
ND BISMARCK	27	2	35	-10	15	9	.1	0	0	.1	15	.1	25	88	63	0	7	3	0
FARGO	17	-7	32	-22	5	2	.1	-.1	.1	.4	32	.1	20	83	60	0	7	3	0
GRAND FORKS	14	-7	26	-20	3	2	.2	0	.2	.5	41	.2	33	85	62	0	7	1	0
WILLISTON	24	1	35	-6	13	7	.4	.2	.2	.6	61	.5	125	91	71	0	7	4	0
OH AKRON-CANTON	28	16	38	-2	22	-2	.6	.1	.4	4.2	90	1.4	70	89	62	0	7	4	0
CINCINNATI	30	17	39	-1	23	-6	.4	-.3	.2	3.3	62	.8	33	83	56	0	7	3	0
CLEVELAND	27	15	37	-2	21	-4	.8	.2	.5	4.4	93	1.5	79	90	63	0	7	4	0
COLUMBUS	31	18	39	2	25	-2	.6	-.1	.4	3.7	77	.8	36	84	58	0	7	2	0

Based on 1951-80 normals.

Weather Data for the Week Ending January 24, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	27	14	34	-2	21	-6	.5	0	.4	3.7	81	.8	40	91	69	0	7	4	0
TOLEDO	25	11	36	-7	18	-5	.7	.3	.4	3.5	83	1.6	100	88	65	0	7	3	0
YOUNGSTOWN	27	15	37	-4	21	-3	.8	.2	.4	4.9	100	1.5	71	94	68	0	7	4	0
OK OKLAHOMA CITY	32	16	40	6	24	-12	.5	.3	.5	3.7	191	2.5	357	91	62	0	7	1	0
TULSA	33	19	38	13	26	-9	.8	.6	.8	3.2	113	2.2	220	89	61	0	7	1	1
OR ASTORIA	49	36	52	30	42	1	.9	-1.6	.3	12.2	60	4.9	55	97	68	0	2	4	0
BURNS	31	3	39	-8	17	-11	.5	.4	.4	1.4	107	1.2	240	--	--	0	7	2	0
MEDFORD	46	26	54	19	36	-2	.9	.2	.8	2.9	47	2.2	81	96	60	0	5	3	1
PENDLETON	26	12	41	2	19	-14	.3	-.1	.2	1.7	55	.9	64	100	86	0	7	3	0
PORTLAND	41	29	45	24	35	-4	.7	-.7	.3	7.5	66	3.2	65	93	64	0	5	3	0
SALEM	44	28	50	21	36	-3	.9	-.6	.5	7.7	61	3.8	68	98	69	0	5	3	1
PA ALLENTOWN	30	18	35	2	24	-3	2.2	1.4	1.1	8.2	128	3.8	146	93	57	0	7	3	2
ERIE	28	17	38	1	23	-1	.9	.3	.3	5.7	109	1.7	85	91	62	0	7	5	0
HARRISBURG	30	22	37	2	26	-3	1.8	1.2	.9	8.1	146	3.2	139	90	58	0	7	4	2
PHILADELPHIA	35	24	44	9	30	-1	2.6	1.9	1.0	10.1	170	4.1	164	87	52	0	5	3	3
PITTSBURGH	31	19	45	-2	25	-1	1.1	.4	.6	5.3	111	1.8	82	76	50	0	7	4	1
SCRANTON	27	16	33	0	21	-4	1.4	.9	.7	4.6	106	2.5	139	89	53	0	7	4	2
RI PROVIDENCE	34	18	45	9	26	-2	2.2	1.3	1.1	12.1	159	4.0	125	86	55	0	7	3	2
SC CHARLESTON	54	38	70	28	46	-2	2.9	2.1	1.6	12.1	213	6.9	265	90	49	0	2	4	2
COLUMBIA	48	34	60	22	41	-4	5.2	4.2	1.7	10.1	146	7.5	221	89	50	0	2	4	4
FLORENCE	50	33	66	25	42	-4	3.5	2.6	1.9	8.4	147	5.1	189	94	52	0	3	4	3
GREENVILLE	42	29	54	19	35	-6	2.9	1.9	1.6	8.3	116	4.2	131	97	60	0	4	4	2
SD ABERDEEN	28	1	36	-16	14	7	T	-.1	T	.1	9	.1	25	88	57	0	7	1	0
HURON	31	1	37	-16	16	5	T	-.1	T	.2	21	.2	67	87	48	0	7	0	0
RAPID CITY	38	15	48	10	26	6	T	-.1	T	T	5	0	0	80	40	0	7	1	0
SIOUX FALLS	26	-1	36	-18	13	1	.1	-.1	0	.2	14	.2	50	87	53	0	7	3	0
TN CHATTANOOGA	42	30	51	20	36	-3	4.4	3.2	3.4	10.0	108	5.2	127	94	57	0	5	5	1
KNOXVILLE	41	28	55	14	34	-4	3.5	2.4	1.6	8.2	100	4.1	114	95	61	0	5	4	3
MEMPHIS	42	29	46	24	36	-4	.5	-.5	.4	5.2	62	1.3	36	91	58	0	6	2	0
NASHVILLE	39	26	50	17	33	-4	.8	-.2	.8	4.4	54	1.1	31	90	58	0	6	4	1
TX ABILENE	47	25	64	18	36	-7	T	-.2	T	2.6	164	.5	71	83	46	0	7	1	0
AMARILLO	33	11	38	8	22	-13	.3	.2	.2	1.9	230	1.2	400	92	59	0	7	2	0
AUSTIN	55	34	76	28	45	-4	T	-.4	T	6.7	209	.9	82	85	39	0	3	0	0
BEAUMONT	54	34	69	25	44	-8	.9	-.1	.8	17.4	225	7.8	244	89	48	0	3	2	1
BROWNSVILLE	62	41	75	34	51	-9	1.2	.9	.6	4.9	238	2.5	278	98	51	0	0	3	2
CORPUS CHRISTI	57	38	72	32	47	-9	.3	-.1	.2	6.8	259	2.2	183	94	46	0	1	2	0
DEL RIO	57	34	76	24	46	-6	T	-.1	T	2.5	282	.2	67	--	--	0	3	1	0
EL PASO	46	18	60	9	32	-12	T	-.1	T	1.7	273	.3	150	91	36	0	7	1	0
FORT WORTH	50	26	65	22	38	-6	T	-.4	T	3.5	122	1.1	92	86	41	0	7	1	0
GALVESTON	54	40	65	35	47	-6	T	-.6	T	5.2	87	1.1	48	85	52	0	0	2	0
HOUSTON	55	34	72	26	45	-6	T	-.7	T	8.0	131	2.3	96	89	43	0	3	2	0
LUBBOCK	36	16	46	5	26	-13	.1	0	.1	1.8	275	.5	250	90	57	0	7	1	0
MIDLAND	48	21	64	12	35	-9	T	-.1	T	3.4	459	.1	33	85	37	0	6	0	0
SAN ANGELO	50	25	68	19	38	-8	0	-.1	0	3.1	274	.6	120	88	39	0	6	0	0
SAN ANTONIO	55	32	73	23	44	-7	.3	-.1	.3	8.2	325	1.1	100	86	36	0	4	1	0
VICTORIA	57	37	72	31	47	-6	.2	-.3	.2	6.7	189	2.4	171	92	43	0	2	1	0
WACO	51	29	72	25	40	-6	T	-.4	T	4.8	150	1.3	100	91	43	0	6	1	0
WICHITA FALLS	37	21	47	13	29	-11	.1	-.1	.1	2.7	138	1.8	257	91	64	0	7	1	0
UT BLANDING	35	8	43	3	22	-6	T	-.3	T	1.5	64	.8	73	84	55	0	7	0	0
CEDAR CITY	36	9	45	0	22	-8	.1	-.1	.1	.9	76	.4	80	83	44	0	7	1	0
SALT LAKE CITY	31	10	39	1	20	-8	.1	-.2	.1	1.3	54	1.2	120	84	50	0	7	1	0
VT BURLINGTON	25	5	31	-3	15	-1	.5	.1	.3	3.1	80	1.8	129	88	50	0	7	2	0
VA NORFOLK	44	33	47	19	38	-2	5.9	5.1	2.3	12.8	212	9.1	314	90	62	0	2	3	3
RICHMOND	38	26	44	7	32	-4	3.4	2.7	1.5	10.1	173	5.0	200	92	57	0	5	3	3
ROANOKE	37	26	44	11	32	-3	2.8	2.2	1.2	9.1	180	3.7	168	82	51	0	6	3	3
WA COLVILLE	30	18	35	8	24	0	.2	-.3	.2	2.4	56	.9	50	94	84	0	7	1	0
QUILLAYUTE	49	35	52	31	42	3	2.0	-1.3	.8	22.9	81	10.5	89	99	68	0	4	4	2
SEATTLE-TACOMA	44	33	47	30	39	0	.8	-.6	.6	6.4	58	2.8	58	95	66	0	3	3	1
SPOKANE	28	10	34	2	19	-6	.2	-.3	.2	1.8	40	.8	42	97	74	0	7	2	0
YAKIMA	28	16	35	8	22	-7	.2	-.1	.2	1.4	57	.5	42	95	76	0	7	2	0
WV BECKLEY	33	20	53	3	26	-4	1.9	1.1	1.0	5.2	88	2.5	93	93	67	0	7	5	2
CHARLESTON	36	25	58	8	31	-2	1.8	1.0	1.1	6.5	109	2.6	96	91	58	0	6	5	1
HUNTINGTON	36	24	53	9	30	-3	1.5	.8	.9	5.6	99	2.0	80	87	56	0	6	4	1
PARKERSBURG	34	21	48	1	28	-2	.9	0	.6	5.4	96	1.4	50	87	54	0	6	3	1
WI GREEN BAY	19	2	29	-13	11	-3	.1	-.2	0	.8	32	.3	30	88	58	0	7	2	0
LA CROSSE	19	0	31	-15	10	-4	T	-.2	T	.9	52	.6	86	84	51	0	7	1	0
MADISON	21	3	32	-12	12	-3	T	-.2	T	1.1	43	.4	44	84	49	0	7	2	0
MILWAUKEE	22	5	32	-7	14	-4	T	-.3	T	2.0	60	.9	69	80	50	0	7	2	0
WAUSAU	16	-3	26	-19	6	-4	.1	-.2	0	.6	30	.2	29	79	47	0	7	2	0
WY CASPER	27	12	37	-1	20	-2	.1	0	.1	1.5	168	1.2	300	79	55	0	7	2	0
CHEYENNE	35	15	47	-1	25	-1	T	-.1	T	.3	38	.1	33	69	36	0	7	0	0
LANDER	23	2	38	-7	13	-7	.1	-.1	.1	.9	105	.7	233	77	49	0	7	1	0
SHERIDAN	35	16	45	9	25	6	.1	-.1	.1	.6	48	.5	100	83	50	0	7	1	0
PR SAN JUAN	84	70	87	68	77	1	.1	-.5	.1	3.8	55	.8	33	--	--	0	0	2	0

Based on 1951-80 normals.

Heating Degree Day Summary Table

CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 1-24-1987
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	171	17	48	1525	-139	-8	-8	-1
AL MOBILE	MOB	138	32	70	986	-28	45	-3	5
AL MONTGOMERY	MGM	152	19	58	1229	-111	0	-8	0
AK ANCHORAGE	ANC	227	-135	-64	5069	-1009	-576	-17	-10
AK BARROW	BRW	436	-120	-107	9680	-861	-637	-8	-6
AK FAIRBANKS	FAI	362	-181	-128	7316	-983	-461	-12	-6
AK JUNEAU	JNU	198	-107	-30	4213	-788	-697	-16	-14
AK KODIAK	ADQ	192	-38	-29	4216	-443	-330	-10	-7
AK NOME	OME	343	-69	-125	6783	-725	-20	-10	0
AZ FLAGSTAFF	FLG	283	24	97	3903	172	387	5	11
AZ PHOENIX	PHX	109	20	98	598	-254	76	-30	15
AZ PRESCOTT	PRC	220	17	92	2565	5	315	0	14
AZ TUCSON	TUS	139	41	114	924	-50	159	-5	21
AZ WINSLOW	INW	282	53	132	2784	33	260	1	10
AZ YUMA	YUM	84	21	79	473	-132	130	-22	38
AR FORT SMITH	FSM	217	23	93	1970	-46	-25	-2	-1
AR LITTLE ROCK	1M1	210	35	89	1866	28	110	2	6
CA BAKERSFIELD	BFL	140	25	48	1371	117	-31	9	-2
CA EUREKA	EKA	110	-14	19	2138	-320	-137	-13	-6
CA FRESNO	FAT	137	4	58	1313	-223	-38	-15	-3
CA LOS ANGELES	LAX	86	23	53	529	-200	49	-27	10
CA SACRAMENTO	SAC	139	4	48	1471	-61	-94	-4	-6
CA SAN DIEGO	SAN	73	17	30	531	-69	87	-12	20
CA SAN FRANCISCO	SFO	101	-13	25	1440	-188	-69	-12	-5
CA STOCKTON	SCK	144	8	52	1485	-35	-164	-2	-10
CO DENVER	DEN	276	26	119	3275	75	-119	2	-4
CO GRAND JUNCTION	GJT	324	48	121	3207	-48	151	-1	5
CO PUEBLO	PUB	332	86	162	3223	192	-138	6	-4
CT BRIDGEPORT	BDR	256	4	70	2741	18	27	1	1
CT HARTFORD	BDL	301	21	102	3301	30	61	1	2
DE WILMINGTON	ILG	249	11	91	2514	-111	148	-4	6
DC WASHINGTON	DCA	233	23	94	2209	-14	191	-1	9
FL APALACHICOLA	AQQ	94	0	31	556	-252	-174	-31	-24
FL DAYTONA BEACH	DAB	67	4	25	298	-195	-173	-40	-37
FL FORT MEYER	FMY	26	-9	18	99	-148	-67	-60	-40
FL JACKSONVILLE	JAX	96	5	33	640	-192	-95	-23	-13
FL KEY WEST	EYW	6	-8	2	15	-43	-32	**	**
FL MIAMI	MIA	18	-3	14	62	-39	-50	-39	-45
FL ORLANDO	MCO	46	-3	25	192	-177	-145	-48	-43
FL TALLAHASSEE	TLH	118	19	40	820	-153	-116	-16	-12
FL TAMPA	TPA	44	-9	19	198	-212	-159	-52	-45
FL WEST PALM BEACH	PBI	23	2	13	82	-50	-67	-38	-45
GA ATLANTA	ATL	195	34	87	1519	-204	104	-12	7
GA AUGUSTA	AGS	158	15	49	1264	-228	11	-15	1
GA MACON	MCN	157	21	56	1228	-115	5	-9	0
GA SAVANNAH	SAV	121	5	38	891	-252	-54	-22	-6
HI HILO-HAWAII	ITO	0	0	0	0	0	0	**	**
HI HONOLULU-OAHU	HNL	0	0	0	0	0	0	**	**
HI KAHULUI-MAUI	OGG	0	0	0	0	0	0	**	**
HI LIHUE-KAUAI	LIH	0	0	0	0	0	0	**	**
ID BOISE	BOI	298	54	84	3486	286	-905	9	-21
ID LEWISTON	LWS	285	55	118	3029	-11	-701	0	-19
ID POCATELLO	PIH	369	81	106	4191	343	-585	9	-12
IL CHICAGO	ORD	352	44	133	3264	-148	-492	-4	-13
IL MOLINE	MLI	334	12	126	3359	-163	-441	-5	-12
IL PEORIA	PIA	353	45	149	3208	-180	-253	-5	-7
IL QUINCY	UIN	336	42	133	3052	-108	-221	-3	-7
IL ROCKFORD	RFD	364	35	132	3611	-128	-415	-3	-10
IL SPRINGFIELD	SPI	353	66	156	3040	-38	-89	-1	-3
IN EVANSVILLE	EVV	280	35	108	2561	-74	4	-3	0
IN FORT WAYNE	FWA	347	53	123	3272	-79	-67	-2	-2
IN INDIANAPOLIS	IND	328	51	122	3007	-57	-30	-2	-1
IN SOUTH BEND	SBN	343	48	119	3323	-25	-110	-1	-3
IA DES MOINES	DSM	335	6	117	3439	-126	-624	-4	-15
IA DUBUQUE	DBQ	362	12	112	3841	-139	-719	-3	-16
IA SIOUX CITY	SUX	332	-13	105	3619	-212	-622	-6	-15
IA WATERLOO	ALO	374	13	132	3959	-143	-588	-3	-13
KS CONCORDIA	CNK	290	6	121	2929	-159	-377	-5	-11
KS DODGE CITY	DDC	279	28	130	2787	-11	-260	0	-9
KS GOODLAND	GLD	280	14	104	3071	-235	-437	-7	-12
KS TOPEKA	TOP	306	32	131	2889	-93	-245	-3	-8
KS WICHITA	ICT	310	60	151	2778	95	-78	4	-3
KY BOWLING GREEN	BWG	246	26	98	2323	-90	106	-4	5
KY LEXINGTON	LEX	272	34	100	2540	-90	121	-3	5
KY LOUISVILLE	SDF	261	30	94	2400	-94	67	-4	3
LA ALEXANDRIA	AEX	157	32	84	1193	30	93	3	8
LA BATON ROUGE	BTR	145	39	84	953	-53	31	-5	3
LA LAKE CHARLES	LCH	151	47	98	967	23	67	2	7
LA NEW ORLEANS	MSY	130	32	74	861	-21	36	-2	4
LA SHREVEPORT	SHV	175	40	102	1474	136	211	10	17
ME CARIBOU	CAR	412	27	111	5310	234	267	5	5
ME PORTLAND	PWM	329	21	99	3821	-25	205	-1	6
MD BALTIMORE	BWI	248	17	99	2440	-71	143	-3	6
MD SALISBURY	SBY	221	11	79	2201	-121	141	-5	7
MA BOSTON	BOS	280	30	95	2897	72	76	3	3
MA CHATHAM	CHH	228	-10	51	2718	-125	92	-4	4
MI ALPENA	APN	347	11	67	4017	-255	-284	-6	-7
MI DETROIT	DTW	330	36	109	3251	-191	-181	-6	-5
MI FLINT	FNT	340	32	105	3528	-122	-169	-3	-5
MI GRAND RAPIDS	GRR	337	32	101	3541	-56	-167	-2	-5
MI HOUGHTON LAKE	HTL	359	19	84	4037	-250	-268	-6	-6
MI LANSING	LAN	338	30	102	3581	-52	-201	-1	-5
MI MARQUETTE	MQT	411	37	76	4926	-31	-365	-1	-7
MI MUSKEGON	MKG	326	32	90	3480	-47	-120	-1	-3
MI SAULT ST MARIE	SSM	380	16	62	4459	-285	-374	-6	-8
MN ALEXANDRIA	AXN	417	-4	108	4511	-433	-807	-9	-15
MN DULUTH	DLH	446	32	107	5069	-199	-724	-4	-12
MN INT'L FALLS	INL	477	19	130	5414	-352	-760	-6	-12
MN MINNEAPOLIS	MSP	395	14	118	4085	-259	-748	-6	-15
MN ROCHESTER	RST	403	19	126	4363	-102	-712	-2	-14
MN SAINT CLOUD	STC	413	2	113	4567	-298	-757	-6	-14
MS GREENWOOD	GWO	179	20	79	1518	-87	64	-5	4
MS JACKSON	JAN	169	28	71	1335	-64	-32	-5	-2
MS MERIDIAN	MEI	165	21	55	1370	-96	-22	-7	-2
MO CAPE GIRARDEAU	CGI	260	29	102	2394	-90	55	-4	2
MO COLUMBIA	COU	323	57	144	2826	-41	-121	-1	-4
MO KANSAS CITY	MCI	316	40	136	2899	-28	-339	-1	-10
MO SAINT LOUIS	STL	307	51	143	2665	-74	85	-3	3
MO SPRINGFIELD	SGF	299	61	133	2643	58	16	2	1
MT BILLINGS	BIL	248	-64	44	3660	-223	-567	-6	-13
MT GLASGOW	GGW	314	-89	37	4353	-503	-1108	-10	-20
MT GREAT FALLS	GTF	233	-94	28	3715	-449	-1011	-11	-21
MT HAVRE	HVR	290	-93	88	4252	-500	-825	-11	-16
MT HELENA	HLN	299	-32	59	4655	184	-643	4	-12
MT KALISPELL	FCA	331	10	94	4630	-3	-622	0	-12
MT MILES CITY	MLS	296	-65	53	3953	-389	-791	-9	-17
MT MISSOULA	MSO	331	25	91	4537	195	-522	4	-10
NE GRAND ISLAND	GRI	300	-14	108	3276	-318	-528	-9	-14
NE LINCOLN	LNK	306	-15	117	3217	-310	-503	-9	-14
NE NORFOLK	OFK	319	-17	112	3528	-340	-584	-9	-14
NE NORTH PLATTE	LBF	290	-18	82	3405	-396	-810	-10	-19
NE OMAHA	ON4	318	1	116	3338	-97	-532	-3	-14
NE SCOTTSBLUFF	BFF	279	-7	80	3563	-97	-725	-3	-17
NE VALENTINE	VTN	291	-36	38	3709	-272	-841	-7	-18
NV ELY	ELY	318	33	100	4189	143	27	4	1
NV LAS VEGAS	LAS	152	11	73	1449	-69	200	-5	16
NV RENO	RNO	231	4	62	3108	-165	-75	-5	-2
NV WINNEMUCCA	WMC	283	39	96	3705	215	-148	6	-4
NH CONCORD	CON	349	30	111	3956	16	112	0	3
NJ ATLANTIC CITY	ACY	240	6	81	2542	-63	182	-2	8
NM ALBUQUERQUE	ABQ	306	96	165	2737	208	442	8	19
NM CLOVIS	CVS	266	70	145	2401	104	125	5	5
NM ROSWELL	ROW	253	87	144	2183	282	417	15	24
NY ALBANY	ALB	319	9	97	3645	7	71	0	2
NY BINGHAMTON	BGM	321	13	105	3610	-177	-102	-5	-3
NY BUFFALO	BUF	305	11	93	3325	-127	-1	-4	0
NY NEW YORK	LGA	249	13	86	2358	-148	71	-6	3
NY ROCHESTER	ROC	309	15	94	3514	94	46	3	1
NY SYRACUSE	SYR	311	12	99	3521	50	102	1	3
NC ASHEVILLE	AVL	230	32	62	2198	-177	32	-7	1
NC CAPE HATTERAS	HAT	117	-23	25	996	-340	-48	-25	-5
NC CHARLOTTE	CLT	201	30	66	1726	-165	48	-9	3
NC GREENSBORO	GSO	225	30	76	2036	-125	90	-6	5
NC NEW BERN	EWN	150	-4	42	1315	-273	80	-17	6
NC RALEIGH DURHAM	RDU	204	24	74	1829	-142	116	-7	7
NC WILMINGTON	ILM	139	-7	41	1178	-206	74	-15	7
ND BISMARCK	BIS	350	-63	71	4565	-385	-796	-8	-15
ND FARGO	FAR	416	-13	97	4695	-364	-856	-7	-15
ND GRAND FORKS	GFK	429	-16	92	4981	-370	-944	-7	-16
ND WILLISTON	ISN	365	-48	92	4751	-308	-647	-6	-12
OH AKRON-CANTON	CAK	298	15	94	3162	-101	-23	-3	-1
OH CLEVELAND	CLE	303	23	97	3036	-157	-134	-5	-4
OH COLUMBUS	CMH	281	13	93	2853	-200	3	-7	0
OH CINCINNATI	CVG	289	32	86	2761	-90	34	-3	1
OH DAYTON	DAY	310	37	105	2969	-80	-1	-3	0
OH TOLEDO	TOL	330	35	114	3276	-192	-75	-6	-2
OH YOUNGSTOWN	YNG	306	19	102	3277	-137	18	-4	1
OK OKLAHOMA CITY	OKC	287	83	173	2226	99	30	5	1
OK TULSA	TUL	270	60	151	2276	136	160	6	8
OR ASTORIA	AST	158	-10	27	2518	-166	-428	-6	-15
OR BURNS	4BW	319	60	77	4165	392	-985	10	-19
OR MEDFORD	MFR	202	12	38	2596	-13	-99	0	-4
OR PENDLETON	PDT	321	94	171	3161	219	-793	7	-20
OR PORTLAND	PDX	206	24	69	2311	-184	-508	-7	-18
OR SALEM	SLE	201	20	61	2587	-12	-358	0	-12
PA ALLENTOWN	ABE	286	20	108	3064	-14	178	0	6
PA ERIE	ERI	295	8	94	3072	-304	79	-9	3
PA HARRISBURG	CXY	271	19	99	2908	63	262	2	10
PA PHILADELPHIA	PHL	245	7	85	2487	-120	135	-5	6
PA PITTSBURGH	PIT	277	4	83	3024	-142	66	-4	2
PA SCRANTON	AVP	304	24	110	3376	39	197	1	6
RI PROVIDENCE	PVD	273	14	86	2969	-41	104	-1	4
SC CHARLESTON	CHS	130	7	40	983	-250	-33	-20	-3
SC COLUMBIA	CAE	168	23	49	1405	-121	21	-8	2
SC FLORENCE	FLO	162	19	64	1336	-127	153	-9	13
SC GREENVILLE	GSP	207	39	75	1807	-31	104	-2	6
SD ABERDEEN	ABR	352	-49	62	4292	-386	-962	-8	-18
SD HURON	HON	341	-40	62	4017	-406	-1025	-9	-20
SD RAPID CITY	RAP	269	-43	40	3720	-174	-839	-4	-18
SD SIOUX FALLS	FSD	365	-6	83	4069	-240	-854	-6	-17
TN CHATTANOOGA	CHA	201	18	61	1780	-266	14	-13	1
TN KNOXVILLE	TYS	213	24	45	2009	-79	33	-4	2
TN MEMPHIS	MEM	204	25	87	1810	-37	96	-2	6
TN NASHVILLE	BNA	222	26	86	2049	-71	113	-3	6
TX ABILENE	ABI	203	49	117	1741	181	178	12	11
TX AMARILLO	AMA	302	93	170	2631	256	113	11	4
TX AUSTIN	AUS	140	21	103	1049	-10	137	-1	15
TX BROWNSVILLE	BRO	93	38	90	486	110	157	29	48
TX CORPUS CHRISTI	CRP	121	49	104	711	126	155	22	28
TX DEL RIO	DRT	147	42	100	1016	41	100	4	11
TX EL PASO	ELP	228	84	122	1869	218	225	13	14
TX FORT WORTH	DFW	187	42	111	1549	194	106	14	7
TX GALVESTON	GLS	126	35	91	776	68	117	10	18
TX HOUSTON	IAH	141	36	101	979	49	177	5	22
TX LUBBOCK	LBB	270	87	154	2185	158	208	8	11
TX MIDLAND ODESSA	MAF	211	63	120	1834	241	219	15	14
TX BEAUMONT	BPT	145	47	103	931	46	146	5	19
TX SAN ANGELO	SJT	191	54	116	1591	189	235	13	17
TX SAN ANTONIO	SAT	149	44	108	1024	48	137	5	15
TX VICTORIA	VCT	126	36	96	840	77	150	10	22
TX WACO	ACT	171	36	106	1392	137	162	11	13
TX WICHITA FALLS	SPS	252	77	149	1903	134	73	8	4
UT BLANDING	4BL	299	36	110	3387	55	208	2	7
UT CEDAR CITY	CDC	298	52	118	3497	294	273	9	8
UT SALT LAKE CITY	SLC	310	56	73	3400	208	39	7	1
VT BURLINGTON	BTV	349	6	102	4011	-117	29	-3	1
VA LYNCHBURG	LYH	233	23	93	2346	-29	165	-1	8
VA NORFOLK	ORF	185	9	65	1601	-212	57	-12	4
VA RICHMOND	RIC	230	27	94	2106	-84	229	-4	12
VA ROANOKE	ROA	231	21	74	2307	-81	211	-3	10
WA COLVILLE	63S	287	2	77	3681	-326	-755	-8	-17
WA QUILLAYUTE	UIL	158	-24	4	2887	-216	-414	-7	-13
WA SEATTLE-TACOMA	SEA	181	-1	38	2516	-192	-386	-7	-13
WA SPOKANE	GEG	320	43	99	3929	128	-677	3	-15
WA WALLA WALLA	ALW	318	103	172	2963	248	-736	9	-20
WA YAKIMA	YKM	300	43	85	3546	115	-830	3	-19
WV BECKLEY	BKW	268	23	69	2805	-218	111	-7	4
WV CHARLESTON	CRW	239	11	74	2464	-122	327	-5	15
WV HUNTINGTON	HTS	247	18	75	2458	-124	168	-5	7
WV PARKERSBURG	PKB	260	22	88	2680	-6	117	0	5
WI GREEN BAY	GRB	378	16	98	4091	-191	-472	-4	-10
WI LACROSSE	LSE	386	25	120	3880	-199	-703	-5	-15
WI MADISON	MSN	368	18	102	3899	-202	-555	-5	-12
WI MILWAUKEE	MKE	358	29	125	3514	-271	-411	-7	-10
WI WAUSAU	AUW	408	28	111	4328	-246	-585	-5	-12
WY CASPER	CPR	313	12	86	4112	61	-408	2	-9
WY CHEYENNE	CYS	281	8	97	3856	66	-202	2	-5
WY LANDER	LND	364	45	84	4561	276	-417	6	-8
WY SHERIDAN	SHR	274	-47	30	4028	-194	-497	-5	-11

National Agricultural Summary

January 19 to 25, 1987

HIGHLIGHTS: Heavy snowfall from Oklahoma, through the Corn Belt, and along the northeast coast virtually halted fieldwork and stressed livestock. Below-freezing temperatures swept across Florida, slightly damaging vegetables but caused little damage to citrus fruit. In California, freeze damage from the previous week's cold spell was minor except for avocados, which suffered the heaviest loss. Snow halted cotton harvest in Oklahoma and virtually stopped harvest in Texas. A few soybean fields were harvested in Arkansas and Georgia. Small grains were mostly good to fair. Cold weather slowed growth in most areas. Additional moisture is needed in some areas. Winter grains still lacked proper snow cover in parts of the central and northern Great Plains and Montana. Livestock was mostly good. Below-normal temperatures stressed livestock.

SMALL GRAINS: Winter wheat was mostly good to fair. Snow protected wheat and small grains from cold temperatures, from Oklahoma through the Corn Belt and the northeastern section of the Nation. Winter wheat seeding continued in the Southeast and Southwest, mostly in Georgia and Arizona. Arizona's wheat seeding was 90 percent (%) finished, compared with the 85% 5-year average. Cooler temperatures and the lack of rainfall hampered small grain growth in California. Wildlife damaged some wheat in Arkansas. Snow cover aided wheat in Illinois, and the condition was mostly good to fair. Colorado's wheat was mostly good. Snow cover receded in central and western Kansas, leaving wheat vulnerable to freeze damage. Snow protection continued poor in Montana, but winter damage has been light. The lack of proper snow protection concerned Nebraska's wheat growers, but mild conditions limited winterkill. Below-normal temperatures were detrimental to fall sown grains in Nevada. North Dakota's small grains lacked protection from the cold temperatures. Small grains grew slowly in Texas. Snow halted grazing but provided some protection from cold temperatures. The colder weather decreased the greenbug population.

COTTON: Snow cover limited cotton harvest in Texas, but a few fields were picked in the High and Low Plains. Harvest delays continued to hurt unharvested cotton. Harvest reached 89% completion, up 3 percentage points from the previous week but 9 points below the average. In Oklahoma, cotton harvest remained at 70% completion. Cotton pickers were unable to move because of the snow depth. Cotton seedbed preparation continued in California.

OTHER CROP: Snow and inclement weather virtually halted fieldwork across much of the eastern half of the Nation. A few soybean fields were harvested in Arkansas, but their quality was poor. Farmers plowed and spread fertilizer and manure in the Corn Belt as the weather permitted. Tobacco bed preparation continued in the Southeast. Kentucky's burley tobacco markets closed for the season, except for a few cleanup sales.

FRUIT AND NUTS: In California, navel oranges and lemons received minor damage. Damage to other citrus crops was marginal. The avocado crop suffered the heaviest loss. The cold weather extended grapevine dormancy. In Arizona, the extent of fruit damage caused by the January 15 winter storm was still unknown. Citrus harvest advanced. The first boxes of valencia oranges were packed, but their volume was very light because of cold temperatures. Apple pruning gained momentum. Wet, windy, and cold weather covered Florida's citrus areas without causing frost damage to fruit or trees but slowed harvest.

VEGETABLES: Florida's vegetable producing areas escaped the late-week low temperatures with only minor frost burn. The strong winds did little damage. Harvest continued active. Volume leaders were tomatoes, cabbage, celery, and peppers. Good quantities of snap beans, carrots, squash, lettuce, strawberries, sweet corn, cucumber, radishes, eggplant, and escasole were available. Wet fields limited vegetable harvest in the Rio Grande Valley. Spinach, cabbage, and carrot harvest continued in the San Antonio-Winter Garden area. Land preparation was underway for planting melons. In California, freeze damage to strawberries varied. The damage is expected to have little effect on overall production. The wet weather slowed vegetable harvest in the Blythe area. In Santa Maria, cauliflower harvest was light, but its quality was good. Broccoli supplies from Salinas were light. Asparagus was harvested in the Riverside area.

PASTURES AND LIVESTOCK: Livestock was mostly good. Supplemental feeding increased in most areas, especially in the eastern half of the Nation. The cold temperatures stressed livestock in some areas. Farmers air lifted hay and grain to New Mexico snowbound livestock. Pastures were mostly fair. Cold temperatures restricted growth in the Southeast.

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 NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Precipitation totals 1.00 to 2.00 in. most areas; 3.00 to 4.00 in. extreme southwest. Temperatures averaged 4 to 8° below normal north, east; 6 to 10° below normal west.

Soil moisture adequate statewide. Livestock, poultry mostly good.

ARIZONA: Strong weather disturbance 19th lowered snow level to 3,500 ft. New snow accumulations 1 to 6 in. central mountains, basins. Strong gusty winds caused blowing snow. Lower deserts received light rain showers. By 20th, precipitation limited to White Mountains, southeast. Mostly clear 21st, temperatures below zero high country, northeast plateau, teens at 5,000 ft., upper 20s and 30s lower southwest deserts. By afternoon of 21st, upper level high pressure ridge warmed temperatures above 5,000 ft. Warming lower elevations less pronounced. Under high pressure, considerable sunshine, near normal temperatures prevailed remainder of week. Average temperatures 3 to 8° below normal, except 15° below at Winslow.

Wheat, barley 90% planted, 85% 1986, 88% avg. Stands established 80%. Both crops good to excellent. Plant growth temporarily slowed by cold temperatures. Citrus harvests advanced. First boxes of Valencia oranges packed, volume very light due to cold temperatures early in week. Extent of fruit damage caused by 15th winter storm still unknown. Pecan harvest completed, shipping continued. Apple pruning gained momentum. Winter vegetable harvest continued although slowed by low temperatures, ice. Crops shipped included lettuce, cauliflower, broccoli, mixed vegetables. Spring vegetable planting moved ahead. Spring cropland preparation advanced west. Cotton stalk shredding, plowdown continued. Light alfalfa cutting performed, green chopping continued. Sheep grazing moderate, established hay stands good.

ARKANSAS: Cold week statewide except for a brief warming spell south weekend. Precipitation primarily beginning, end of week, amounts light. Temperature extremes 12°; 65°. Rainfall 0.04 to 0.89 in.

Soil moisture supplies adequate. Approximately 2 to 3% percent of soybean crop left to be harvested. Some soybeans harvested last week but quality poor. Wheat normal condition. Cold weather may offer some help in disease control. Some wheat fields damaged by geese landing, feeding. Livestock normal condition. Adequate feed supplies.

CALIFORNIA: High pressure predominate pattern over State beginning of week with cool, dry north winds blowing many areas. By end of week high broke down, replaced by a low pressure trough along west coast. Brought rain over northern half of State with snow mountains. Temperatures near to below normal over most sections.

Cooler temperatures, lack of rainfall hampered small grains. Seedbed preparation for cotton, sugarbeet fields active. Rice stubble burned. Alfalfa fields sheeped-off with new fields planted. Avocado crop lost suffered heaviest from freeze 15th to 18th. Grapevine dormancy extended. Kiwi exports increased. Almonds irrigated. Freeze damage to Navel oranges and lemons minor. Other citrus damage marginal. Artichokes moderate supply variable quality Salinas. Asparagus harvest Riverside area. Broccoli light supply Salinas, Santa Maria variable quality. Santa Maria cauliflower light supply generally good quality. Vegetables harvested carrots, greens, cabbage, green onions. Cold weather slowed blythe lettuce harvest. Strawberry freeze damage spotty, varied. Ventura, Orange, San Diego, Santa Maria early start lots fruit, blooms. Plants fine, producers set-back 4 to 5 weeks. Volume low next 2 weeks expected to pick-up. Damage little effect overall production. Westside processing tomato growers planted 1987 crop. Range, pasture remained poor. Soil moisture below normal most areas. Light rains contributed little to alleviate situation. Supplemental feeding heavy most districts. Producers concerned about weight gains. Stock ponds low, empty. Calving, lambing continued northern areas.

COLORADO: Temperatures below normal over entire State. Southeast, south central areas 10 to 15° below while rest of State 3 to 6° lower than normal. Precipitation amounts light; amounts ranged from 0.10 to 0.30 in., confined mainly to mountains, foothills.

Supplemental feed, available grazing adequate to keep livestock good condition. Winter wheat remained good condition.

FLORIDA: Above normal temperatures early week dropped below normal north, central; low pressure system spread rain over these areas midweek. Morning of 24th coldest of season; hard freeze north, heavy freeze well into central area with scattered frost into northern Everglades. Strong winds, rain returned, 25th. Rainfall for period averaged 1.50 to 2.00 in. north, central. South's only measurable rain on 25th, averaging less than 0.10 in.

Soil moisture adequate central, southern areas, surplus north, Panhandle; land preparation for spring planting delayed. Sugarcane harvest active. Flooded pastures very poor, Panhandle, upper Peninsula, some too wet to graze; elsewhere, mostly fair to good. Cattle mostly good except fair some central, northern areas. Wet, windy, cold, citrus areas, however, no frost damage to fruit or trees. Freezing temperatures of short duration. Inclement weather slowed harvest. Vegetable producing areas escaped late week's low temperatures with only scattered frost burn. Strong winds accompanying front did little damage. Harvest continued active. Volume leaders: Tomatoes, cabbage, celery, peppers. Also available in good quantities: Snap beans, carrots, squash, lettuce, strawberries, sweet corn, cucumbers, radishes, eggplant, escarole-endive. Lighter supplies Chinese cabbage, cauliflower. Land preparation, planting spring crops active southern areas.

GEORGIA: Temperatures 4° below normal. Maximums low 70s. Minimums into 20s most of State 24th, 25th. Lowest reading 10° Blairsville morning 24th. Most locations recorded precipitation 2.00 in. with few 3.00 in. Some precipitation snow, sleet. Snowfall totals 4.00 to 8.00 in. north. Snow observed as far south as Macon.

Soil moisture surplus. Main activities harvesting cotton, pecans, soybeans; land preparation, tobacco bed preparation; small grain seeding, small grain topdressing, routine farm chores. Small grains poor to good, mostly fair. Pastures poor to fair. Cattle fair to good, mostly fair. Tobacco plants good. Hogs fair to good, mostly good.

HAWAII: Conditions variable. Shower bands passed through islands causing sporadic light rainfall. Northeasterly winds 5 to 15 mph. Temperatures ranged low 60s to mid 80s. Rainfall ranged none to 3.90 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. Banana harvesting active, orchards fair to good. Papaya harvesting down slightly, spray programs controlling insects, diseases. Vegetables fair to good.

IDAHO: Light precipitation amounts in central, southern State. Temperatures 5 to 15° below normal. Below normal precipitation overall.

Limited farm activity consists of livestock management, farm planning, shop work. Livestock good. Hay, roughage supplies adequate to surplus.

ILLINOIS: Temperatures averaged 4 to 9° below normal north, 9 to 12° below normal south. Precipitation none to 0.58 in.

Winter wheat mostly good to fair aided by snow cover. Livestock mostly good.

INDIANA: Temperatures 8 to 15° below normal. Lows range from -18 to 6°. Highs from upper 20s to mid 30s. Water equivalent precipitation ranged from 0.10 in. south to 0.90 in. north, mostly as snow.

Snow covering limited field activities but protected over-wintering crops from cold temperatures. Plowing, spreading fertilizer, manure where conditions permitted. Other activities included caring for livestock, moving grain, equipment repair, preparing taxes.

IOWA: Dry week, seasonal temperatures. Temperatures varied from 1° above normal northwest to about 4° subnormal northeast. Temperature extremes warmest upper 30s west, central; coldest -15° Spencer, sub-zero statewide. Little snow; snow cover limited to about 1 in. over some north, east counties.

Farm activities include bookkeeping, tax preparation, grain handling. Livestock mostly good; cattle grazing corn stalks, bean stubble.

KANSAS: Temperatures averaged 21 to 28°, ranged 1° above normal to 10° below normal. Precipitation trace northwest and west central, 0.25 to 0.50 in. east central and southeast.

Snow cover receded many central, western counties. Wheat vulnerable to possible freeze damage. Livestock good. Feed, roughage ample. Caring for newborn calves, lambs.

KENTUCKY: Average daily high temperatures 30s, lows 20s. Mean temperatures 3 to 5° below normal. Two major storms threatened during period. Weekend snow storm produced 2 to 5 in. south, east. Precipitation averaged 0.50 to 1.50 in., locally approached 2.00 in. with heaviest amounts extreme south, southeast.

Coldest temperatures of season put some stress on fall seeded crops, livestock. Most burley markets closed for season, few major markets will have clean-up sales. Winter chores primary farm activity.

LOUISIANA: Temperature 5 to 8° below normal. Temperature extremes 19°; 76°. Significant rainfall averaged 0.50 in. to 4.00 in.

Activities: Winter chores, caring for livestock.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 32°, normal 32°. Lowest temperature 5°; highest temperature 45°. Precipitation mostly form of snow averaged 3 in. Additional significant snow weekend 24th, 25th. Main farm activity caring for livestock.

Delaware: Temperatures averaged 33°, normal 33°. Precipitation mostly form of snow averaged 2 in. Additional significant snow weekend 24th, 25th. Main farm activity caring for livestock.

MICHIGAN: Temperatures ranged 1 to 7° below normal. Temperature extremes -20°; 31°. Precipitation ranged from 0.11 to 0.92 in. across State.

Entire State snow covered. Bitter cold late week. Forage, small grain protected by snow cover. Activities: Spreading manure, general indoor farm and equipment maintenance, farmers signing up for federal, State crop disaster relief at ASCS offices, plowing snow, preparing taxes, attending meetings, caring for livestock, marketing grain, livestock. Livestock good; lambing, calving, farrowing continued. Feed supplies adequate.

MINNESOTA: Temperatures averaged near normal to 7° below normal. Temperature extremes -43°; 38°. Precipitation averaged near normal to 0.14 in. below normal. Snowfall averaged 2 to 4 in. northern third, trace elsewhere. Snow depth weekend averaged 7 to 13 in. for north central and northeast, trace to 3 in. elsewhere.

Cold arctic air hit State end of week, livestock may need additional feed. Little active fieldwork took place.

MISSISSIPPI: Temperatures 6° below normal; extremes 16°; 64°. Southward dip in jet stream caused cold weather to enter State, low pressure system from Texas and Gulf of Mexico brought precipitation. Greatest 24-hour total rainfall 4.00 in.

Days suitable for fieldwork 0.6, 5.7 1986, 2.4 avg. Soil moisture surplus. Wheat fair.

MISSOURI: Temperatures ranged 5 to 10° below normal with many first sub-zero readings 23rd to 24th. Snow cover quite general from 6 to 10 in.

Livestock requiring extra care in cold weather. Good hay supply available.

MONTANA: Temperatures west of divide, southwest near normal. Other temperatures much above normal; 15° warmer than normal Cutbank, Havre. West Yellowstone coldest temperature 26° below zero, also national low for that day. Most places precipitation light amounts. Exceptions Red Lodge 0.38 in., Lewistown 0.28 in.

Wheat 17% poor, 58% fair, 25% good. Snow cover protection 81% poor, 19% fair. Wind damage to winter wheat 66% light, 30% moderate, 4% heavy. Crop vulnerable to severe freeze, wind. Cattle, sheep 86% good, 14% excellent. Calving, lambing started. Grain, concentrate supply for balance of winter 33% adequate, 67% surplus. Hay, roughage supply 2% short, 27% adequate, 71% surplus.

NEBRASKA: Mild weather continued across State. Some light snowfall midweek with only few hundredths recorded east, traces west. Average temperatures ranged from 2 to 5° above normal. Temperature extremes -9°; 51°.

Lack of adequate snow cover still concerns State's winter wheat growers, but mild conditions have limited winterkill. Conditions for early calving, lambing favorable.

NEVADA: Cold air continued to dominate weather system through midweek. Precipitation spotty; limited mostly to light snow Sierras, northern mountains. High pressure system weakened end of period allowing series weak storms to pass through most areas. Precipitation limited to northern areas, generally light. Some new snow accumulations reported Sierras, northern mountains. Temperatures averaged much below normal.

Cold weather hard on newborn calves, lambs. Snow cover melt plus below normal temperatures detrimental fall sown grains.

NEW ENGLAND: Precipitation averaged 0.50 to 1.00 in. northern Maine, northern New Hampshire, northeastern Vermont; 1.00 to 1.50 in. southern interior Maine, western Vermont; 1.50 to 2.00 in. coastal Maine, southern New Hampshire, southeastern Vermont, western Massachusetts; 2.00 to 2.50 in. central and coastal Massachusetts, Rhode Island, Connecticut. Temperatures averaged below normal ranging from single digits north to upper 20s along south coast.

Major farm activities: Machinery repair, tending livestock, clearing snow.

NEW JERSEY: Temperatures below normal, averaging 21° north, 25° south, 30° coastal. Extremes -16°; 43°. Precipitation much above normal, averaging 2.03 in. north, 2.30 in. south, 3.20 in. coastal. Heaviest 24-hour total rainfall 1.55 in. on 22nd, 23rd. Heaviest 24-hour total snowfall 12 in. on 22nd, 23rd. Depth of snow on ground 26th exceeded 12 in. over most of State.

Farmers plowed snow, cared for livestock, tended normal winter chores.

NEW MEXICO: Average weekly temperatures from 5 to 16° below normal. Temperatures from -17° northwestern plateau to 70° south eastern plains. Meager amounts of snowfall during week. Precipitation from none southern desert, southeastern plains to 0.28 in. northern mountains.

Days suitable for fieldwork 3.1. Soil moisture 57% adequate, 43% surplus. Cotton 96% harvested, 100% 1985, 100% avg. Barley 14% fair, 86% good. Irrigated wheat 13% fair, 87% good. Dryland wheat 42% poor, 29% fair, 29% good. Cattle trampling grain due to muddy fields. Pecans 17% fair, 83% good. Cattle 50% fair, 50% good. Sheep 40% fair, 60% good. Range snow covered from major storms previous weekend. Four to fifty inches with 10-foot drifts. Many livestock snow bound; airlifts of hay, grain necessary during entire week to keep livestock from starving.

NEW YORK: Temperature early, midweek rather typical. Sharply colder weather settled in toward end of week. Many locations recorded lowest temperatures of season. Central, eastern areas received 4 to 8 in. of snow 19th, another 8 to 15 in. 22nd. Lake effect snows common 16th, 17th over western, central parts of State.

Farmers spent most of their time digging out from heavy snowfall.

NORTH CAROLINA: Temperatures 10° below normal across State. Temperature extremes 4°; 74°. Precipitation ranged from 2.07 to 5.68 in. across State. One station reported 12.01 in.

Days suitable for fieldwork 1.7. Soil moisture 2% short, 50% adequate, 48% surplus. Soybean harvest virtually complete. Small grains fair to mostly good. Pasture 7% very poor, 9% poor, 53% fair, 29% good, 2% excellent. Hay, roughage supplies 20% short, 80% adequate. Feed grain supplies 15% short, 81% adequate, 4% surplus. Major farm activities: Finish harvesting soybeans; tending livestock; preparing tobacco plantbeds; cutting firewood; repairing equipment; pruning fruit trees; attending meetings; snow removal; tax preparation; applying winter herbicides; general farm maintenance.

NORTH DAKOTA: Temperatures averaged 2 to 8° above normal with cold at weekend. Extremes 38° below northeast 24th to 40° above south central 18th. Below zero temperatures end of week. Light snow, high winds with cold front, 0.62 in. of precipitation southwest.

Some fall seeded crops little snow cover protection from cold. Livestock stressed by cold; feed supplies good.

OHIO: Sub-zero temperatures weekend dropped averages 5 to 12° subnormal. Early week readings 30s to 40s; weekend minimums single digits to below zero. Precipitation statewide ranged from 0.20 to 0.80 in., mostly as snow. Soil temperatures under snow mid 30s, bare soils low 30s.

Bitter cold stressed unsheltered livestock. Snow cover protected winter wheat from cold, wind northern half of State.

OKLAHOMA: Temperatures averaged 15° below normal north central to 6° below normal southeast. Precipitation averaged 0.03 in. southwest to 0.42 in. northeast.

Emerged wheat good. Snow cover stopped cotton harvest, livestock grazing. Supplemental feeding active across State. Cotton 70% harvested, 100% 1986, 100% avg.

OREGON: Temperatures 1 to 4° above normal coast, averaged 3° below normal western interior. East ranged from normal Redmond to 15° below normal Pendleton. Minimum temperatures sub-zero midweek northeast. Precipitation ranged from 0.50 to 1.50 in. west, except coast up to 2.00 in. Precipitation ranged from 0.10 to 0.25 in. east of Cascades, except far eastern areas dry. Mountain snowpack much below normal lower elevations, near normal higher elevations. Stream flow forecasts below normal to much below normal throughout State.

Soil moisture mostly adequate. Mild winter good for winter wheat, other field crops. Winter pruning continued on fruit trees. Livestock, range, pasture mostly good. Winter cattle feeding continued. Calving well underway.

PENNSYLVANIA: Week started mild; heavy snow midweek, arctic air end of week. Average temperature 21°, 5° below normal. Temperature extremes -14°; 49°. Average precipitation 1.48 in., 0.84 in. above normal.

Activities grading potatoes; hauling manure; cutting firewood; machinery maintenance; caring for livestock.

PUERTO RICO: Island average rainfall 0.23 in., 0.40 in. below normal. Highest weekly total rainfall 2.23 in. at Pico, Del Este-Luquillo followed by 0.81 in. at San Lorenzo, 0.51 in. Rio Blanco LWR. Highest 24-hour total 1.15 in. at Pico, Del Este-Luquillo. Accumulated total rainfall since January 1st to January 23rd 2.15 in., 22% below normal. Divisional temperature averaged about 77 to 78° on coasts, 70° interior with mean station temperature ranging from 67° Adjuntas to 79° Roosevelt Roads. Highest maximum temperature 90° several places. Lowest minimum temperature 47° Adjuntas.

SOUTH CAROLINA: Temperatures averaged 3 to 5° cooler than normal. Rainfall heavy, 2.50 in. mountains, more than 4.00 in. south central State. Midweek storm dumped 23 in. snow in mountains, more than 1 in., Piedmont.

Farm activities include caring for livestock, equipment maintenance. Outside farm activities limited due to adverse weather.

SOUTH DAKOTA: Average temperatures normal to 7° above normal. Extremes -26°; 49°. Melted precipitation 0.50 in. or less. Strong winds midweek; up to 70 mph.

Winter grains good. Some blowing but no major problems reported. Livestock good; grazing stalks, grass; supplemental feeding when needed. Main agricultural activities producer meetings, early fertilizing, tending livestock.

TENNESSEE: Temperatures averaged 5 to 9° below normal. Lows 20s. Highs averaged mid 30s, lower 40s. Coldest 10°, warmest 55°. Precipitation above normal Plateau, east caused stream flooding; elsewhere below normal. Heavy snows east midweek. Weekend freezing rain, snow most of State.

Livestock chores, meetings main activities. Weather caused increased supplemental hay feeding. Tobacco sales continued.

TEXAS: Week started nice under fair skies, but upper air disturbance in northern Mexico returned moisture to High Plains, Lower Valley, Coastal Plains. Disturbance brought snow High Plains, widespread showers Coastal Plains, Lower Valley, freezing rain and snow many areas south. Ridge high pressure built across State provided fair skies, kept temperatures on cool side. Spring-like weather weekend. Precipitation totals below normal most State, except Lower Valley. Cooler weather brought below normal temperatures across entire State.

Crops: Snow cover limited cotton harvest, few fields picked High, Low Plains. Delays hurt remaining cotton. Cotton 89% harvested, 100% 1985, 98% avg. Small grains growth slow across State. Grazing virtually halted by snow cover Plains. Snow provided some protection from cold temperatures. Greenbugs decreased with colder weather. Wheat, oats little growth Blacklands, central. Sunshine, warmer weather needed to further progress. Sugarbeet harvest virtually completed High Plains. Sugarcane harvest slowed last week. Some burning of fields. Other crops: Sugarbeets 100% harvested, 100% 1985, 100% avg. Pecans 99% harvested, 99% 1985, 100% avg. Oats 100% planted, 100% 1985, 100% avg.

Commercial Vegetables: Wet fields limited harvest Rio Grande Valley. Cabbage, lettuce, carrot harvest made some progress. Tomato, pepper harvest virtually finished. Onion harvest good progress. Spinach, cabbage, carrot harvest continued San Antonio-Winter Garden. Land preparation underway melons. Onion transplants dug for High Plains.

Range and Pasture: Progress winter ranges, pastures continued good because adequate moisture. Ample forage available most areas. Small grain pastures provided limited grazing many areas. Cold temperatures northern areas slowed regrowth. Excessive wetness problem eastern parts State. Feeding increased with colder temperatures. Colder weather didn't adversely affect livestock body condition.

UTAH: Precipitation none to light. Temperature maximums 9 to 13° above, minimums 4 to 13° below normal.

Winter wheat generally good. Livestock feed adequate. Livestock wintering well, generally good. Light snow cover. Concern about spring water supply. Major farm activities: Livestock care, repair equipment, farm accounts, tax records, attending workshops, shipping onions.

VIRGINIA: Temperatures below normal, precipitation above normal. Precipitation averaged 3.00 in., range 1.70 to 6.44 in. Rain beginning period, heavy snow on 22nd. Snow averaged 1 ft. north, west. More heavy snow 25th, 26th. Temperatures averaged 34°.

Days suitable for fieldwork 0.9. Topsoil moisture 14% adequate, 86% surplus. Rain, heavy snow limited all fieldwork. Livestock feeding increased quickly, feed tight many areas. Calving, lambing continued. Snow caused some stress, few deaths. Winter grains good. Taxes, meetings, equipment repair main chores.

WASHINGTON: Light to moderate precipitation, west; little precipitation, east. Statewide dry and cool, temperatures generally below normal.

Days suitable for fieldwork 5.0. Soil moisture 70% short, 15% adequate, 15% surplus. Hay, other feed 80% adequate, 20% surplus. More snow cover needed, east, for soil moisture level, for winter crop protection. Pruning continued as weather permits. Forest tree seedling nurseries operating at capacity.

WEST VIRGINIA: Temperatures 7° below normal. Extremes 61° Creston and Williamson; -12° Greenbank, average 25°. Precipitation well above normal, average 1.50 in.

Soil moisture 75% adequate, 25% surplus. Feed supplies 100% adequate.

WISCONSIN: Temperatures colder, averaged 10°; low -27°, high 34°. Precipitation trace to 0.10 in. Snowfall trace to 1 in. Frost penetration deeper.

WYOMING: Temperatures below normal. Precipitation below normal except south central.

Winter wheat mostly good, some wind damage, additional moisture needed for good development. Livestock good, supplemental feeding most areas. Early lambing, shearing starting. Hay supplies adequate.

International Weather and Crop Summary

January 18-24, 1987

HIGHLIGHTS:

UNITED STATES ... Heavy snowfall from Oklahoma, through the Corn Belt, and along the northeast coast virtually halted fieldwork and stressed livestock. Below-freezing temperatures swept across Florida, slightly damaging vegetables but causing little damage to citrus fruit. In California, freeze damage from the previous week's cold spell was minor except for avocados, which suffered the heaviest loss.

WESTERN U.S.S.R. ... Below-normal temperatures and light snow cover winter grain areas.

EUROPE ... Gradual warming occurs over the region, but temperatures remain below normal.

SOUTH ASIA ... Dry weather covers most grain areas in India and Pakistan.

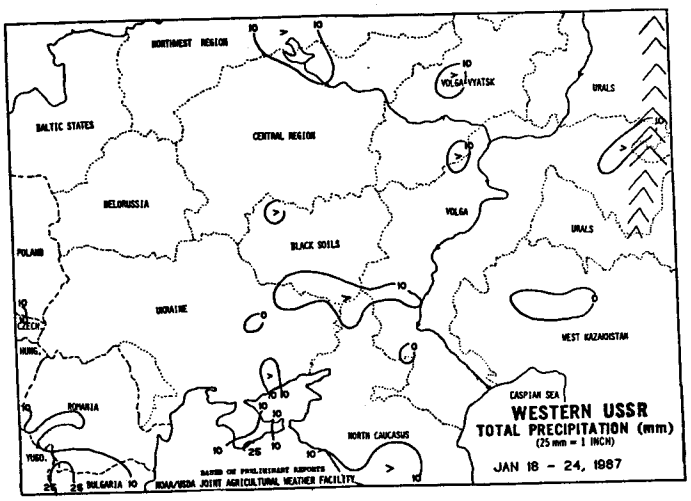
EASTERN ASIA ... Mild, dry weather continues over winter grain areas in the North China Plain.

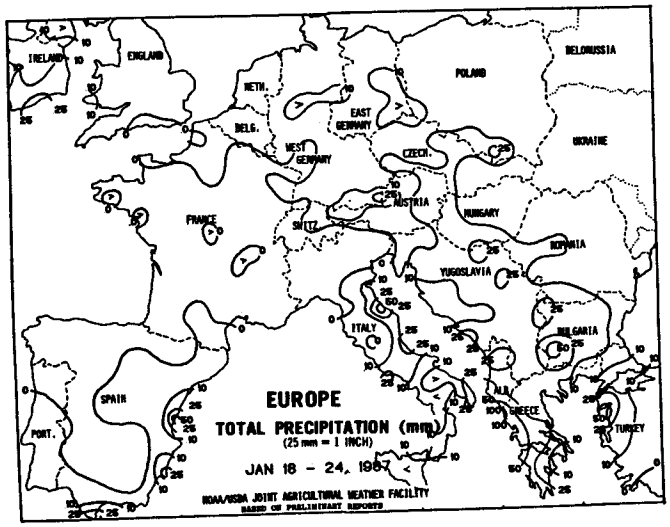
SOUTH AMERICA ... Generally favorable weather prevails for flowering soybeans in Argentina and south-central Brazil.

AUSTRALIA ... Generally favorable harvest weather continues in southernmost wheat areas. Hot weather in eastern Australia likely stresses reproductive summer grains.

SOUTH AFRICA ... Light to moderate showers benefit tasseling corn in the primary grain regions. Hot, dry weather persists in the western Maize Triangle.

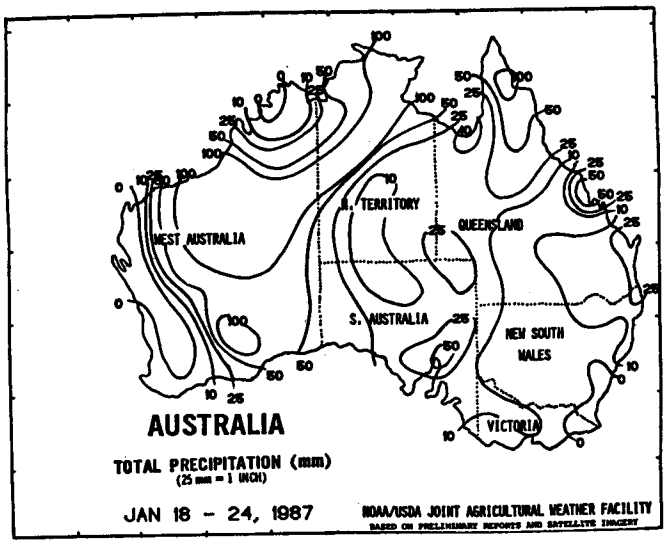
NORTHWESTERN AFRICA ...Dry weather returns to Moroccan winter grain areas, while light showers continue to favor crop growth in Algeria and Tunisia.



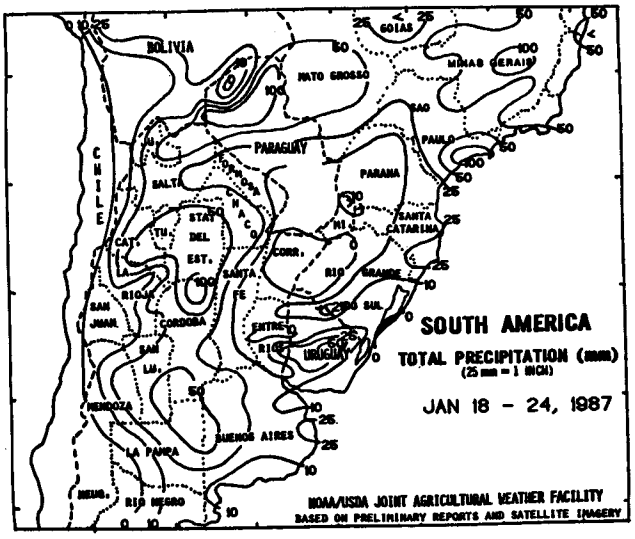


WESTERN U.S.S.R. ... Temperatures continued below normal but were above last week's near-record low levels. Light snowfall continued over winter grain areas as far south as the Black Sea coast. Minimum temperatures on most days in the Baltic States, Belorussia, the Central Region, Black Soils Region, and the middle Volga ranged from -15 to -20 degrees C. Minimum temperatures further south in the Ukraine and North Caucasus ranged from -10 to -15 degrees C. Daily maximum temperatures in all areas were 5 to 10 degrees C higher than daily minimums.

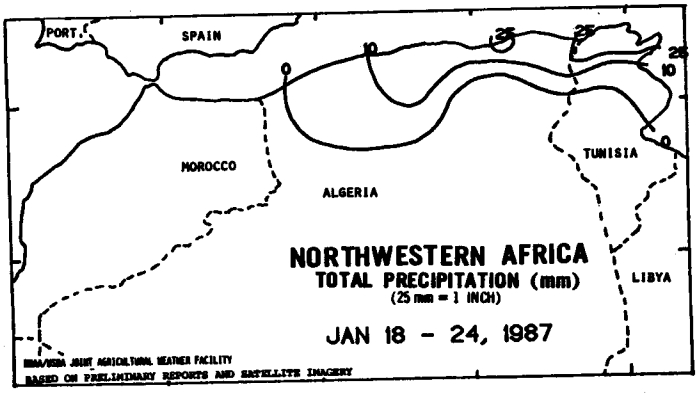
EUROPE ... Gradual warming continued during the week, but temperatures remained below normal. Precipitation, in the form of snow, was mostly light over most winter grain areas. However, moderate to heavy rain covered the eastern Mediterranean Basin. In Spain, dry weather returned to southern winter grain areas. Periods of dryness in southern Spain have likely limited subsoil moisture recharge, and timely rains are needed during the remainder of the growing season to boost winter grain yield prospects.



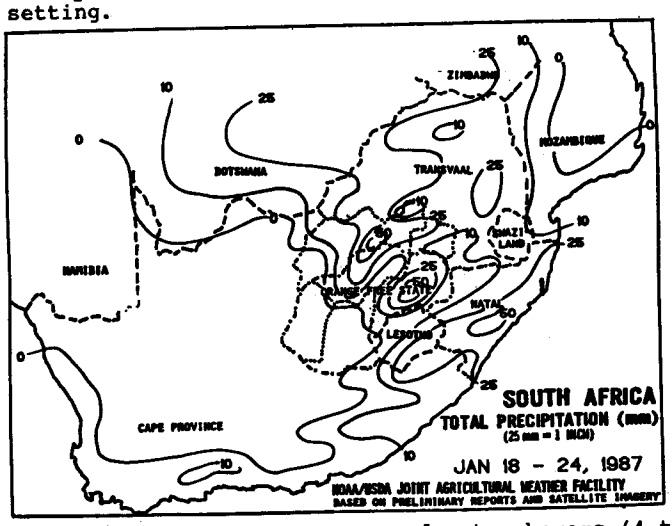
AUSTRALIA ... Favorable harvest weather continued in wheat areas of Western Australia, Victoria, and New South Wales as early-week rainfall averaged only 2mm. However, late-week showers (10 to 25mm) from the remnants of Tropical Cyclone Connie moved into the grain areas of South Australia and Victoria, further delaying the wheat harvest. Light to moderate showers (1 to 18mm) continued in southeast Queensland and northern New South Wales, but temperatures reached 40 degrees C over much of the area, stressing reproductive summer grains and depleting moisture supplies. Scattered showers (generally more than 25mm) brought relief to sugarcane areas along the Queensland coast. Rainfall, since early-December, had been insufficient for the crops' normal vegetative development.



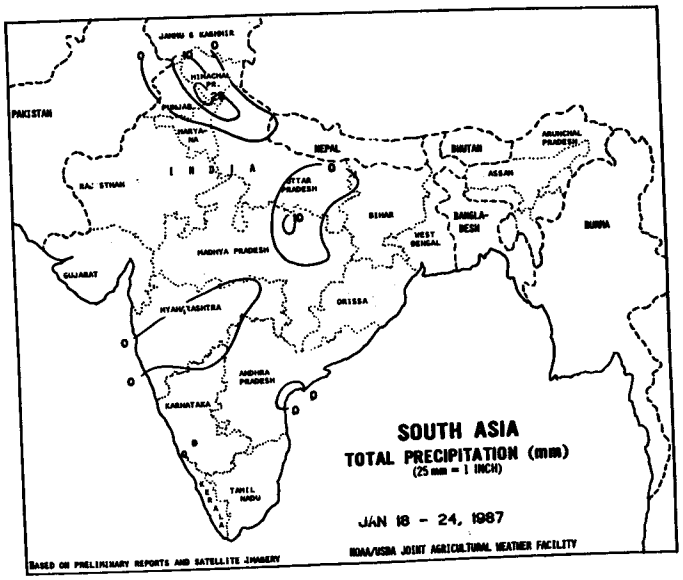
SOUTH AMERICA ... Weather conditions remain generally favorable for summer crops, which have advanced into the weather-sensitive reproductive phases of development. In Argentina, periodic showers have benefited crops in the major growing areas of southern Cordoba, southern Santa Fe, and northern Buenos Aires. The wheat harvest is nearly complete. Early planted soybeans are flowering to pod setting, while second crop soybeans are emerging into vegetative growth. Beneficial dry weather eased persistent wetness in the northeast. In Brazil, generally dry weather promoted soybean flowering in the south, where moisture is adequate for crop development. Rain in recent weeks has improved growing conditions in northern Parana, western Sao Paulo, and the northernmost soybean areas. Earlier dryness and hot weather had limited moisture supplies for soybeans in vegetative growth. The timely rain has favored soybean flowering and pod setting.



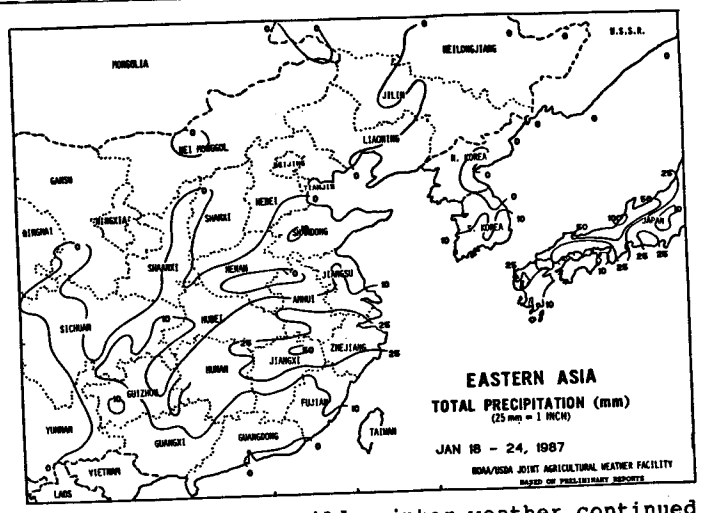
NORTHWESTERN AFRICA ... Dry weather returned to Moroccan winter grain areas, following last week's moderate rainfall. Since November, Moroccan crop areas have had only 1 week with significant rainfall. As a result, subsoil moisture is limited and timely rains are needed during the remainder of the growing season to boost yield prospects. Throughout most of Algeria and Tunisia, moisture conditions, since the start of the growing season, have been adequate for uniform crop emergence and good early plant establishment. Widespread, light showers continued over these areas.



SOUTH AFRICA ... Light to moderate showers (4 to 35mm) maintained favorable moisture conditions for tasseling corn in the Transvaal, northern Orange Free State, Natal, and southern Cape Province. Temperatures reached 35 degrees C in those parts of the northern Transvaal receiving moderate rainfall, increasing the moisture demand of the mostly vegetative corn. Hot, dry weather persisted in the western Maize Triangle as maximum temperatures averaged 37 degrees C. Soil moisture is limited in the western grain areas but adequate to abundant in the primary corn areas of the Maize Triangle.



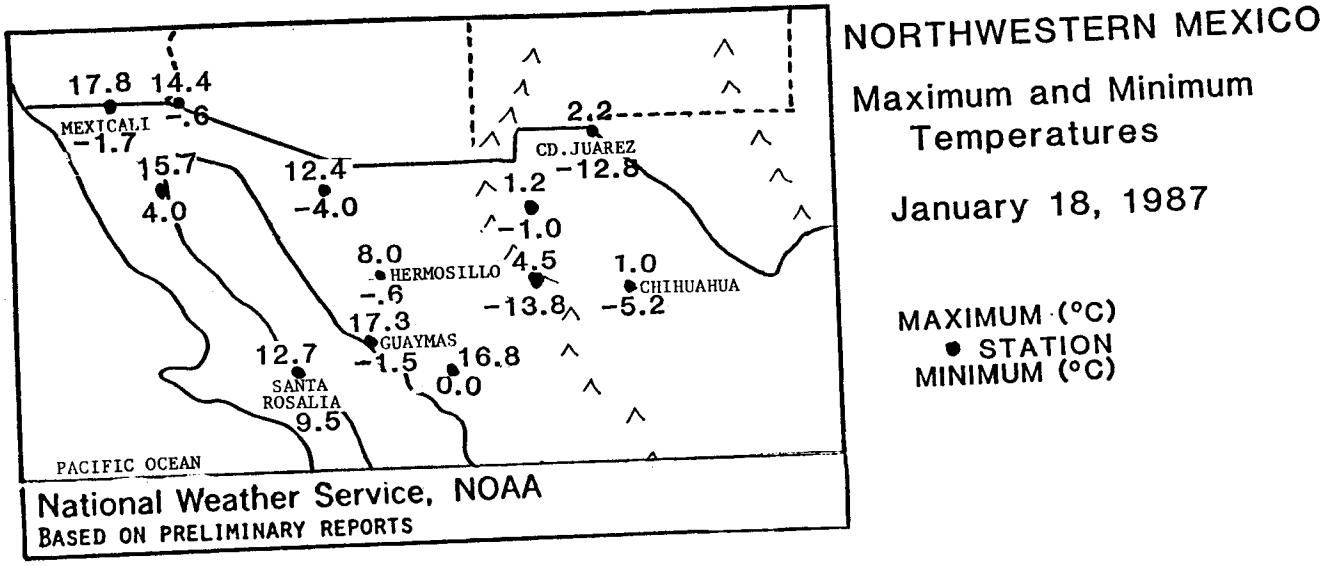
SOUTH ASIA ... Dry weather returned to most winter grain areas of Pakistan and India. Wheat in central India is normally in the heading to grain filling stages of development, while further north, wheat is in the vegetative stage. Early-week dry weather in southern India favored cotton harvesting and summer rice planting. Cotton harvesting usually lasts through February in central India.



EASTERN ASIA ... Mild winter weather continued over much of the region. Seasonable dry weather accompanied above-normal temperatures in North China Plain winter grain areas. Rain (11 to 50mm) occurred along the Yangtze River, where additional precipitation is needed to increase soil moisture for early rice planting that usually begins in late February and early March.

Freezing Temperatures in Northwestern Mexico

Freezing temperatures penetrated into northwestern Mexico south of Guaymas from January 17th to 19th. The lowest temperatures occurred on January 18. Some tender vegetables and fruit may have been damaged by temperatures just below freezing.



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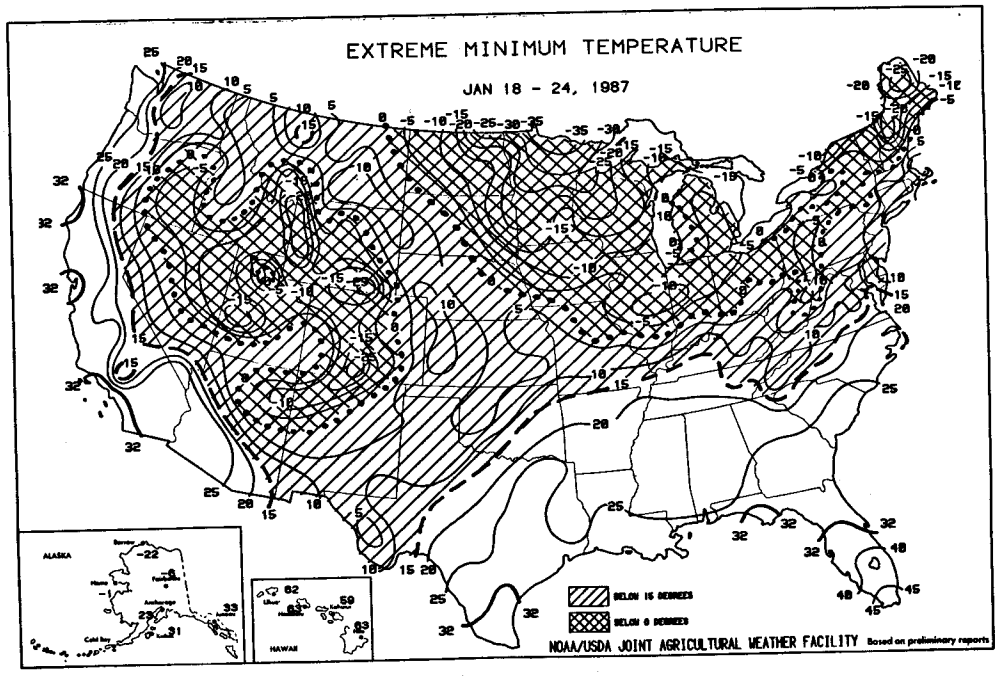

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