

WEEKLY WEATHER AND CROP BULLETIN

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

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

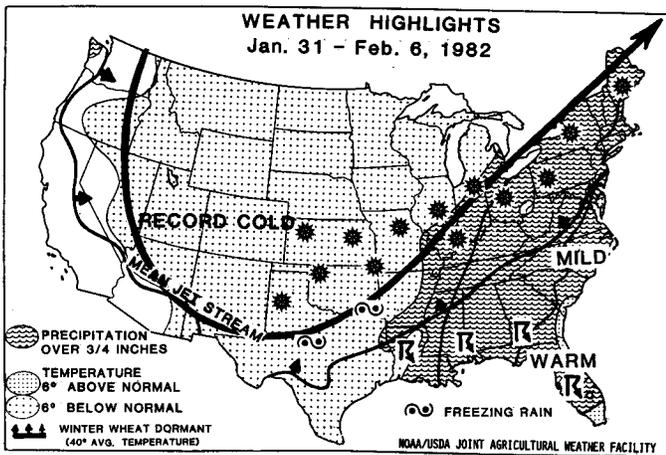
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Feb. 9, 1982

National Weather Summary

January 31-February 6, 1982



HIGHLIGHTS: Cold air poured continuously into central and western United States while warmer air flowed from the Gulf of Mexico up the east coast. Record low temperatures were reported through parts of the central and southern Plains and the western portion of the midwest. Record high temperatures were recorded through Florida. Precipitation was very light in the West and moderate to heavy in the East. Snow covered the Plains from the Texas Panhandle and western Oklahoma northward and through the Ohio Valley to the central Appalachians and west of the mountains through New England.

SUNDAY...A storm center in western Tennessee early in the day moved to southern New England and spread snow to the north of the storm and rain to its south. Precipitation was widespread from the Mississippi River eastward. Heavy snow accumulated in southeastern Missouri, southern Illinois, and along the lakeshores in the Northeast. Rain was moderate to heavy from Kentucky to eastern New England. Snow spread from the central and northern Rockies into the northern Plains.

MONDAY...Rain, freezing rain, and snow continued over New England while another storm made its presence felt through the Rockies as snow spread into New Mexico and over the northern Plains. Late in the day, snow spread through eastern Colorado to Kansas, Oklahoma, and northwestern Texas. Showers and a few thunderstorms were widely scattered along the gulf coast and through Florida.

TUESDAY...The new storm moved out of the southern Rockies and intensified in the Gulf of Mexico as a new cold outbreak moved over the northern and central Rockies and Plains. Snow spread through the

central Plains, giving winter grain in that area protection from cold temperatures. Warmer, moist air from the gulf spread over the South and then the East, bringing moderate to heavy rain to those areas. Freezing rain or snow covered much of the Northeast and snow changed to rain through the Ohio Valley. Snow was occasionally heavy over the northern Rockies.

WEDNESDAY...Snow continued from the central Plateau across the central Rockies and through the central Plains to the eastern Great Lakes. Rain continued over the Southeast and the East. Another day of moderate to heavy rain in the Southeast kept farmers out of the fields and the ground too wet to plow. Snow or freezing rain fell over the Northeast before changing to rain by midday.

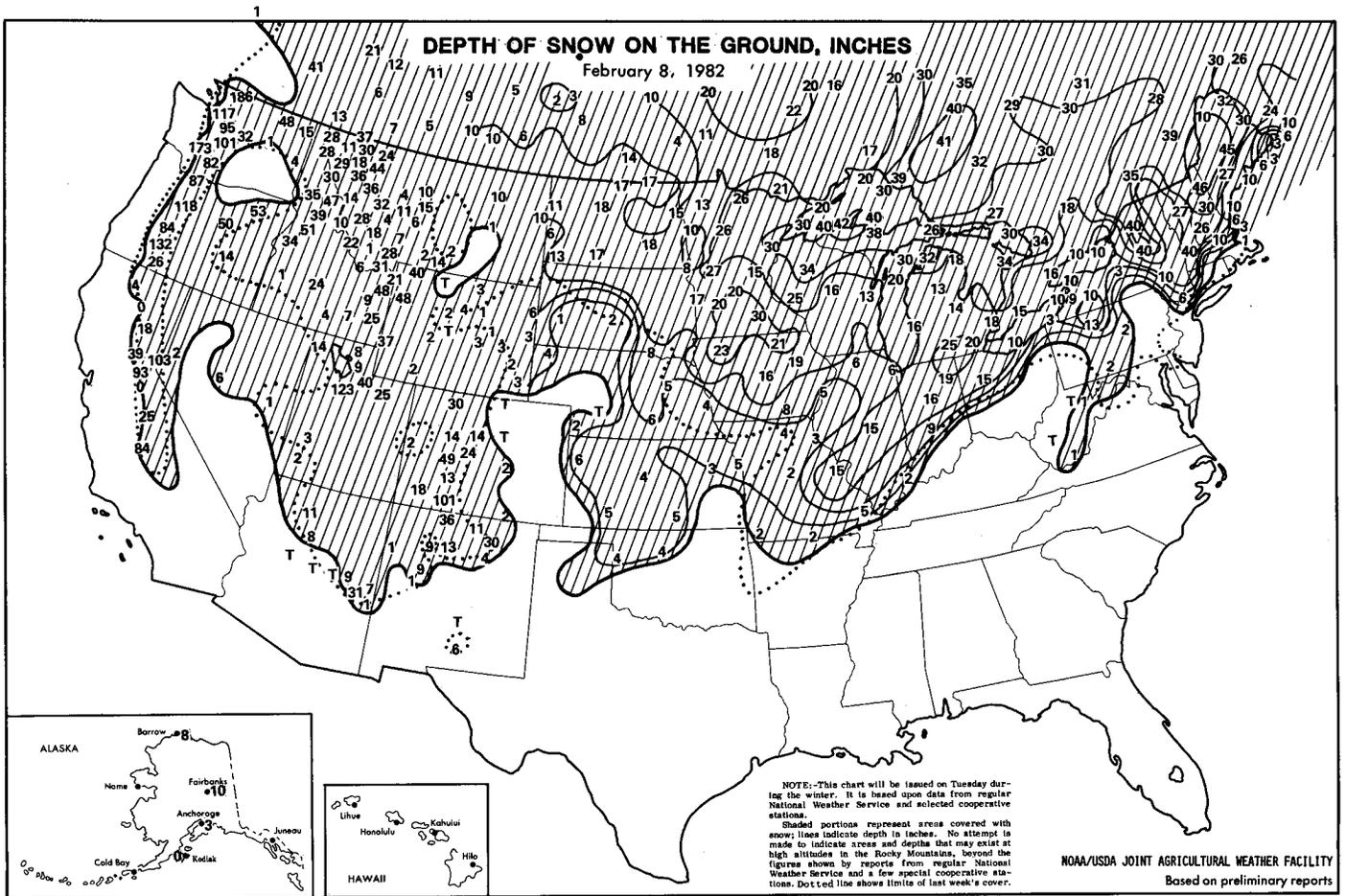
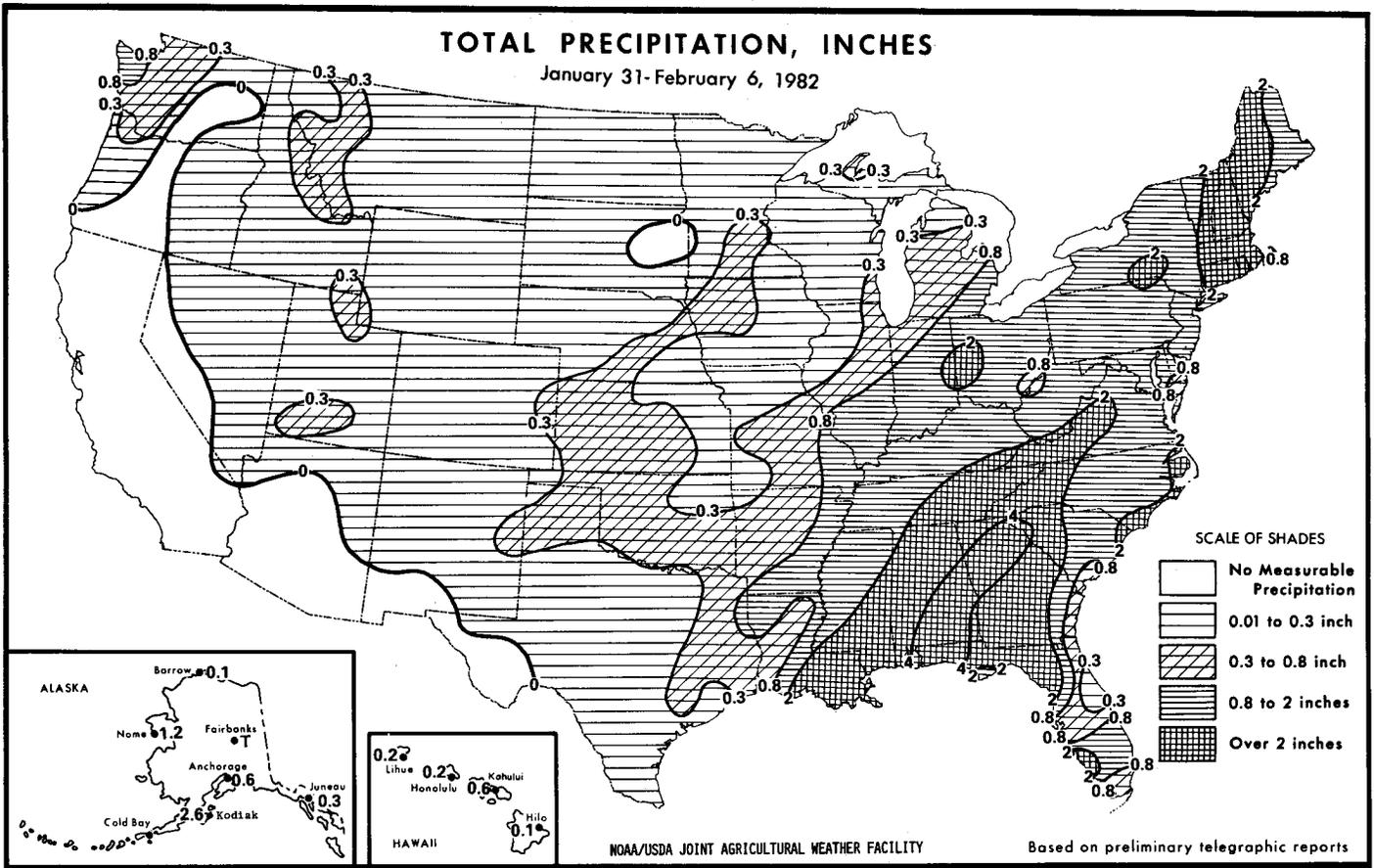
THURSDAY...Cold arctic air moved southward into central Texas and spread over the Rockies and Plateau. Record low temperatures were read in parts of the Plains and central Rockies. Snow developed in the central Rockies late in the day and spread eastward through the Plains to the Great Lakes region. Snow covered northwestern Texas but freezing rain glazed the ground in northern Texas and southeastern Oklahoma.

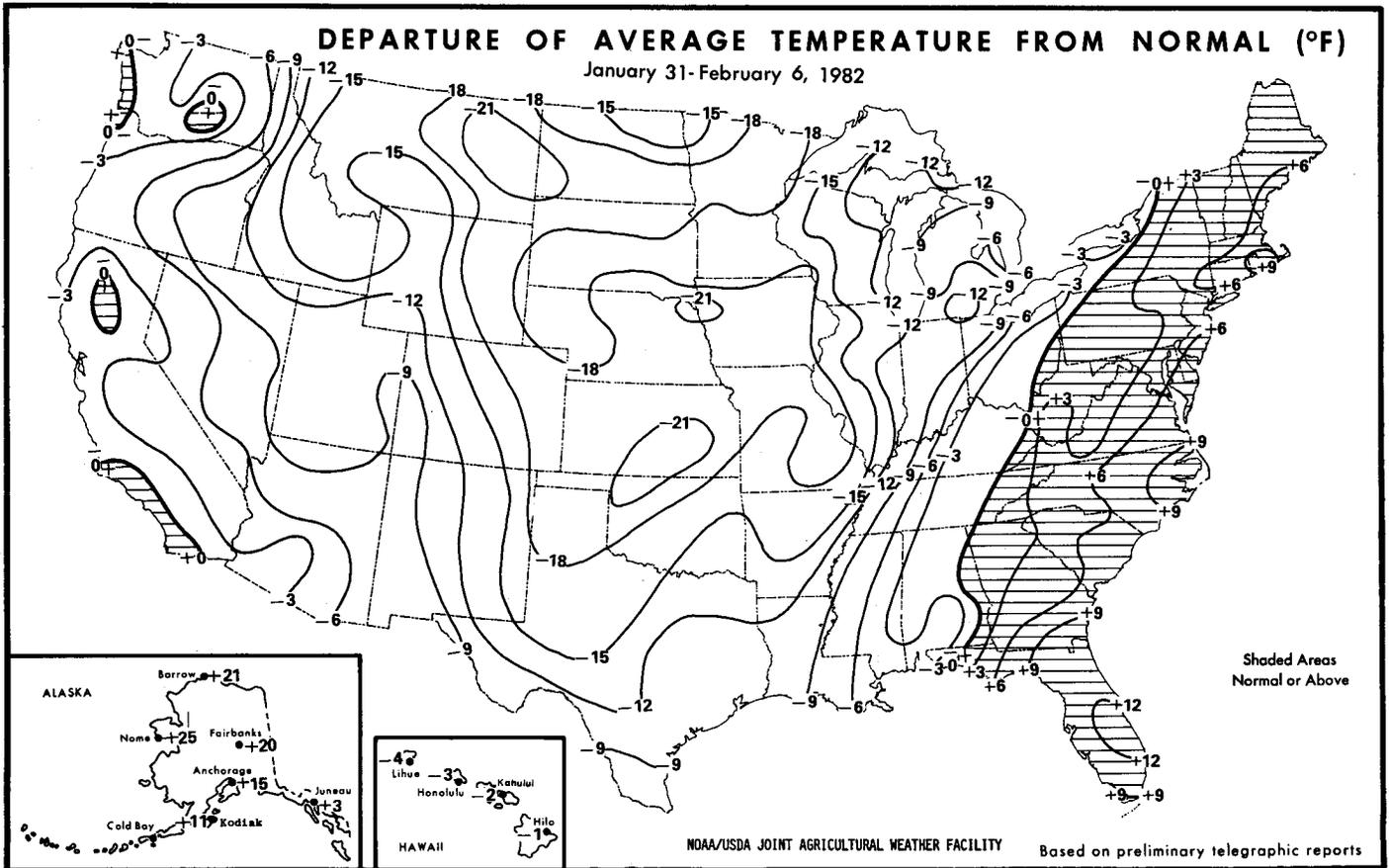
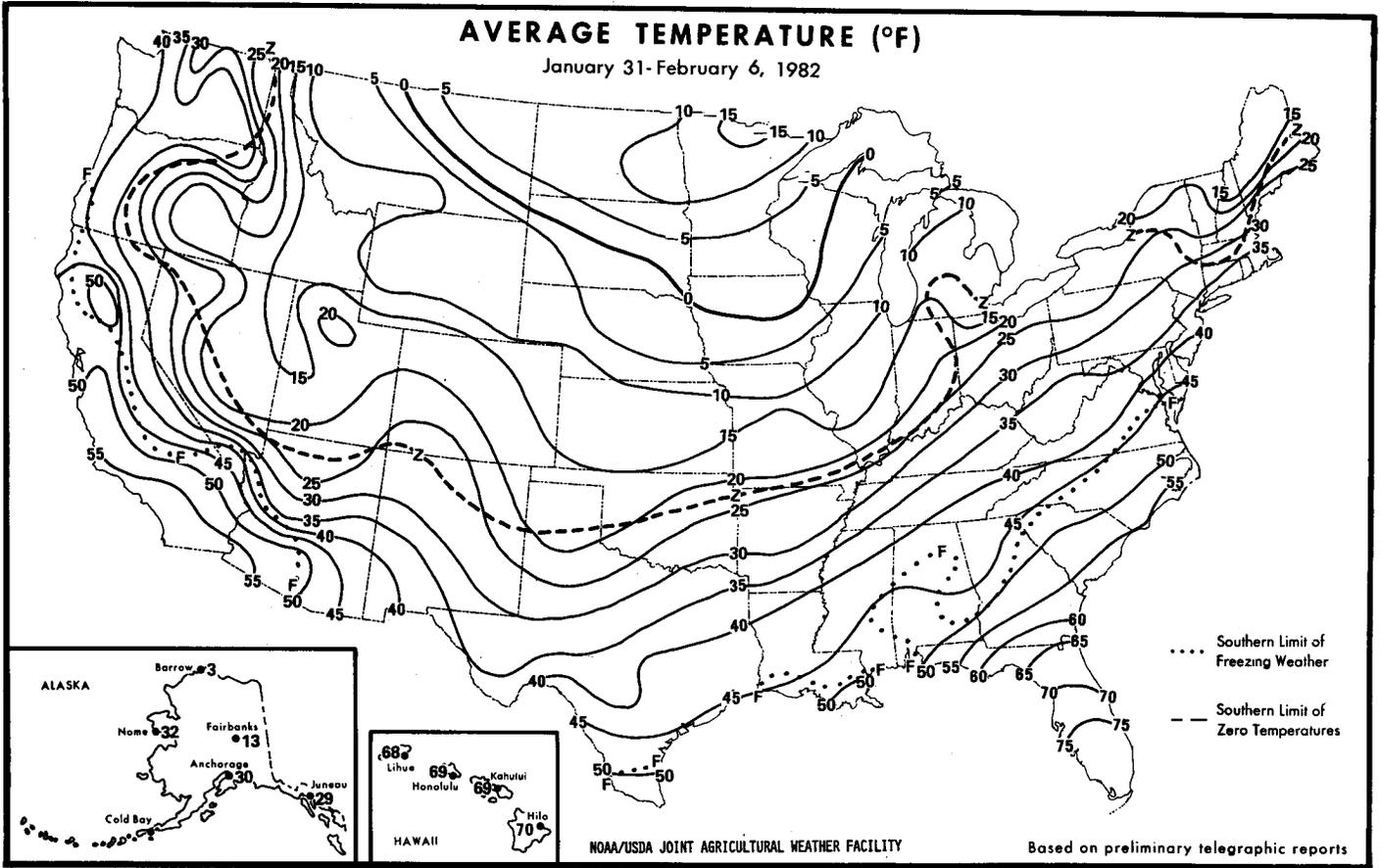
FRIDAY...Record cold weather continued to pour over the Plains and much of the West. Goodland, Kansas reported a record low temperature of -22° . Two or more inches of snow covering the area protected winter grains. A warm front through the Gulf of Mexico bounded the cold air and moist air from the gulf moved northward over the colder air to produce rain along the coast and in the Southeast and snow through the middle Mississippi Valley, the Great Lakes region, and the Northeast.

SATURDAY...Northerly winds into western United States kept the West very cold with little precipitation while a southerly flow over the East produced...
(Continued on page 8.)

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Weather Data for the Week Ending Feb. 6, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Nov. 29	PCT. NORMAL SINCE Nov. 29	TOTAL, IN., SINCE Jan. 3	PCT. NORMAL SINCE Jan. 3	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	53	35	64	23	44	-1	2.9	1.7	2.0	15.7	140	8.7	161	87	56	0	2	4	2
MOBILE	58	38	67	29	48	-4	3.8	2.8	3.6	14.1	121	6.7	131	90	58	0	2	4	1
MONTGOMERY	52	38	63	30	45	-4	6.9	6.0	5.3	19.5	197	10.9	248	94	65	0	2	5	3
AK ANCHORAGE	33	27	39	19	30	15	.6	.4	.4	.9	43	.6	67	89	73	0	5	4	0
BARROW	11	-5	36	-15	3	21	.1	.1	.1	.4	67	.3	75	83	56	0	7	1	0
FAIRBANKS	21	5	36	-16	13	20	T	-1	T	1.3	108	.7	140	87	64	0	7	1	0
JUNEAU	32	25	34	21	29	3	.3	-.6	.2	6.0	62	3.3	73	100	83	0	7	3	0
KODIAK	46	38	50	34	42	11	2.6	1.4	1.4	18.3	161	11.3	195	100	88	0	0	5	2
NOME	35	28	39	24	32	25	1.2	1.0	.5	3.8	211	2.6	260	85	69	0	6	4	1
AZ PHOENIX	63	41	65	37	52	-1	0	-.1	0	1.5	83	.7	88	57	19	0	0	0	0
PRESCOTT	44	22	51	16	33	-6	0	-.4	0	-.1	-.1	-.8	40	85	33	0	7	0	0
TUCSON	59	34	63	29	46	-5	0	-.2	0	2.3	115	1.2	120	73	23	0	2	0	0
YUMA	66	45	72	41	56	-2	0	-.1	0	.3	33	.2	50	45	15	0	0	0	0
AR FORT SMITH	34	21	39	12	27	-14	.4	-.3	.3	6.5	103	4.2	140	88	61	0	7	4	0
LITTLE ROCK	34	22	43	13	28	-15	.6	-.5	.3	7.4	79	5.6	114	90	71	0	7	4	0
CA BAKERSFIELD	61	39	66	35	50	0	0	-.3	0	.6	32	.4	36	79	38	0	0	0	0
EUREKA	55	33	57	16	44	-4	0	-1.5	0	14.4	32	4.0	49	88	54	0	2	0	0
FRESNO	55	33	59	30	44	-4	0	-.4	0	2.9	73	1.8	90	100	55	0	3	0	0
LOS ANGELES	66	48	74	43	57	2	0	-.6	0	4.3	38	1.8	62	82	36	0	0	0	0
RED BLUFF	63	38	72	30	51	3	0	-.9	0	7.3	78	3.4	68	61	22	0	3	0	0
SACRAMENTO	57	36	64	31	47	-2	0	-.8	0	-.1	-.1	5.8	138	90	48	0	2	0	0
SAN DIEGO	65	49	72	45	57	1	0	-.4	0	3.8	90	1.6	73	76	37	0	0	0	0
SAN FRANCISCO	58	40	64	37	49	-1	T	-.9	T	12.6	135	8.1	169	85	39	0	0	0	0
CO DENVER	27	4	48	-15	16	-16	.1	.1	T	1.2	109	.3	50	81	41	0	7	3	0
GRAND JUNCTION	33	15	40	-1	24	-6	.2	0	T	1.2	100	.3	43	79	42	0	7	3	0
PUEBLO	25	8	45	-10	17	-16	.1	0	T	1.1	138	.5	125	86	53	0	7	3	0
CT BRIDGEPORT	42	29	49	24	36	5	1.8	1.1	1.2	8.4	122	4.3	139	94	52	0	5	4	1
HARTFORD	39	25	45	17	32	7	2.2	1.5	1.4	9.7	118	5.1	142	83	52	0	6	6	2
DC WASHINGTON	49	32	61	25	40	4	1.2	.6	.6	6.4	102	3.5	121	97	60	0	3	3	1
FL APALACHICOLA	68	53	74	44	61	6	1.5	.7	1.1	9.3	127	3.7	103	94	76	0	0	2	1
DAYTONA BEACH	78	60	84	55	69	10	.2	-.4	.1	5.8	126	1.6	64	90	63	0	0	4	0
JACKSONVILLE	74	57	84	54	66	11	.7	-.2	.4	7.2	114	3.8	109	97	70	0	0	3	0
KEY WEST	83	73	84	71	78	7	T	-.4	T	.4	11	.4	20	95	74	0	0	1	0
MIAMI	81	71	84	69	76	9	.3	-.2	.2	.7	16	.6	24	89	65	0	0	4	0
ORLANDO	83	63	87	58	73	12	.1	-.5	.1	3.4	72	.5	19	96	55	0	0	3	0
TALLAHASSEE	69	51	77	39	60	7	2.5	1.5	2.0	11.0	120	5.8	129	100	71	0	0	3	1
TAMPA	80	63	84	61	72	11	.5	-.1	.5	5.9	109	2.2	76	98	63	0	0	1	0
WEST PALM BEACH	82	73	84	69	77	12	1.0	.4	.9	5.0	88	2.3	77	83	65	0	0	3	1
GA ATLANTA	54	35	63	27	44	1	4.3	3.3	1.8	16.2	165	8.4	168	96	63	0	2	4	3
AUGUSTA	61	39	76	35	50	3	2.7	1.8	2.3	14.4	185	5.3	136	100	57	0	0	3	1
MACON	62	42	71	35	52	3	3.8	2.9	3.0	16.3	183	7.2	176	100	69	0	0	6	2
SAVANNAH	68	50	75	47	59	8	.3	-.3	.2	6.9	101	3.7	116	92	62	0	0	4	0
HI HILO	77	62	80	60	70	-1	.1	-2.6	.1	34.8	124	13.7	130	86	59	0	0	2	0
HONOLULU	76	62	78	58	69	-3	.2	-.5	.1	18.1	206	13.0	283	87	56	0	0	2	0
KAHULUI	78	59	80	55	69	-2	.6	-.2	.4	10.0	133	7.2	176	88	57	0	0	2	0
LIHUE	76	59	79	56	68	-4	.2	-.9	.1	20.8	130	11.8	179	97	62	0	0	2	0
ID BOISE	28	13	38	0	21	-12	.1	-.3	.1	4.3	123	1.4	78	81	54	0	7	1	0
LEWISTON	36	22	47	4	29	-6	T	-.2	T	3.0	107	1.7	121	77	44	0	4	1	0
POCATELLO	19	2	34	-20	11	-16	.2	-.1	.1	3.8	152	1.4	100	84	63	0	7	3	0
IL CHICAGO	20	2	32	-14	11	-13	.5	-.2	.3	4.6	115	2.9	145	86	58	0	7	3	0
MOLINE	16	-3	26	-16	7	-16	.2	-.1	.2	2.9	78	1.3	81	76	55	0	7	2	0
PEORIA	22	4	31	-15	13	-13	.3	-.1	.2	4.8	114	2.7	129	77	53	0	7	3	0
QUINCY	18	0	27	-15	9	-.1	.2	-.1	.1	-.1	-.1	3.5	-.1	88	60	0	7	3	0
ROCKFORD	16	-3	24	-20	6	-15	.2	-.2	.2	2.8	70	1.5	75	79	55	0	7	2	0
SPRINGFIELD	20	3	29	-16	12	-17	.7	.3	.3	7.6	195	4.1	228	84	63	0	7	4	0
IN EVANSVILLE	31	18	41	-4	24	-9	1.3	.5	.9	12.6	155	6.2	236	95	68	0	7	3	1
FORT WAYNE	22	8	32	-11	15	-11	1.8	1.3	1.1	9.5	176	9.1	210	92	71	0	7	3	2
INDIANAPOLIS	27	12	36	-10	20	-9	1.8	1.2	1.2	11.8	187	6.4	200	87	64	0	7	3	2
SOUTH BEND	23	10	30	-9	17	-8	.4	-.1	.2	4.9	92	2.7	113	88	59	0	7	3	0
IA DES MOINES	11	-6	25	-13	3	-19	.3	.1	.1	3.6	157	1.9	158	63	43	0	7	3	0
SIoux CITY	8	-9	22	-17	0	-21	.3	0	.2	3.5	194	1.9	190	82	58	0	7	4	0
WATERLOO	8	-12	21	-20	-2	-20	.1	-.1	.1	-.1	-.1	1.1	100	76	55	0	7	3	0
KS CONCORDIA	19	3	40	-7	11	-18	.1	-.1	.1	2.6	163	.8	114	77	51	0	7	3	0
DODGE CITY	23	5	47	-13	14	-19	.7	.6	.3	1.5	150	.9	180	83	50	0	6	4	0
GOODLAND	22	0	52	-22	11	-19	.5	.5	.4	1.6	178	.7	233	80	51	0	7	3	0
TOPEKA	21	4	35	-21	13	-18	.2	-.1	.1	2.9	104	1.8	150	72	46	0	7	3	0
WICHITA	20	4	42	-21	12	-22	.4	.2	.2	3.4	142	2.1	263	88	59	0	7	3	0
KY BOWLING GREEN	41	24	61	11	32	-5	1.8	.6	1.0	-.1	-.1	4.8	77	94	66	0	7	5	1
LEXINGTON	40	24	58	10	32	-2	1.7	.9	1.4	9.2	111	5.4	123	93	68	0	7	4	1
LOUISVILLE	38	23	56	10	30	-4	1.5	.7	1.0	9.4	107	5.4	129	86	62	0	7	4	1
LA ALEXANDRIA	51	38	59	30	44	-.1	.6	-.1	.3	-.1	-.1	2.7	-.1	65	49	0	1	4	0
BATON ROUGE	53	37	59	30	45	-7	2.2	1.0	1.9	11.1	101	5.0	94	88	55	0	2	4	1
LAKE CHARLES	50	38	57	34	44	-10	.6	-.5	.5	5.4	49	2.7	57	96	62	0	0	2	1
NEW ORLEANS	57	43	70	36	50	-4	4.0	2.9	3.8	12.3	110	6.6	127	89	64	0	0	3	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Feb. 6, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Nov. 29	PCT. NORMAL SINCE Nov. 29	TOTAL, IN., SINCE Jan. 3	PCT. NORMAL SINCE Jan. 3	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	42	31	50	21	37	-12	1.0	.1	.7	6.2	61	4.3	93	94	68	0	4	4	1
ME CARIBOU	24	4	36	-9	14	3	1.8	1.4	.7	7.9	149	3.2	133	84	52	0	7	5	2
ME PORTLAND	36	19	47	8	27	6	2.0	1.2	.9	89.0	1060	6.0	158	91	47	0	7	6	2
MD BALTIMORE	46	30	57	24	38	5	1.4	.8	1.0	7.4	106	3.7	116	93	57	0	5	3	1
MD SALISBURY	56	35	68	28	45	8	.3	.5	.2	--	--	4.2	105	100	63	0	3	3	0
MA BOSTON	43	27	54	20	35	6	2.1	1.2	.9	12.9	142	4.9	114	90	51	0	6	5	2
MA CHATHAM	45	30	53	24	38	1	.9	--	.3	13.0	--	4.4	--	97	67	0	4	6	0
MI ALPENA	19	3	28	-3	11	-6	.2	.1	.2	3.2	78	1.9	106	87	50	0	7	4	0
MI DETROIT	24	5	34	-6	15	-10	1.5	1.1	.9	6.4	142	4.1	195	93	61	0	7	3	1
MI FLINT	21	3	28	-3	12	-10	.7	.4	.4	3.0	77	1.8	95	96	67	0	7	3	0
MI GRAND RAPIDS	22	9	29	2	15	-8	.4	0	.2	4.5	94	3.1	141	82	57	0	7	4	0
MI HOUGHTON LAKE	19	3	28	-4	11	-6	.3	0	.1	3.3	89	2.2	138	79	56	0	7	4	0
MI LANSING	20	1	28	-7	10	-12	.5	.1	.3	2.9	--	1.8	86	93	65	0	7	4	0
MI MARQUETTE	12	-9	20	-25	2	-11	.2	.2	.1	8.5	189	3.6	180	97	59	0	7	4	0
MI MUSKEGON	20	8	25	-4	14	-9	.4	.1	.2	6.5	120	4.0	154	85	65	0	7	4	0
MI SAULT STE. MARIE	15	-10	25	-23	3	-12	.2	.3	.1	7.2	141	4.2	183	81	48	0	7	2	0
MN ALEXANDRIA	3	-21	21	-27	-9	-18	.1	0	.1	--	--	2.0	400	72	32	0	7	2	0
MN DULUTH	5	-24	16	-33	-9	-19	.1	.1	.1	3.4	126	2.1	175	76	47	0	7	1	0
MN INT'L FALLS	0	-30	10	-40	-15	-18	.1	.1	.1	2.2	100	1.1	110	79	46	0	7	2	0
MN MINNEAPOLIS	7	-15	17	-22	-4	-17	.3	.2	.2	3.8	211	2.5	313	78	48	0	7	3	0
MN ROCHESTER	8	-14	21	-20	-3	-17	.1	.1	.1	2.7	130	1.5	214	78	58	0	7	1	0
MS GREENWOOD	48	33	68	24	41	--	.9	--	.4	--	--	6.2	--	87	63	0	3	5	0
MS JACKSON	51	34	69	26	43	-6	1.4	.3	.6	11.4	108	5.2	106	94	70	0	3	4	2
MS MERIDIAN	56	38	71	29	47	-1	3.0	2.0	2.6	12.8	114	5.4	113	85	58	0	1	4	1
MO CAPE GIRARDEAU	30	15	38	2	22	-15	1.7	.9	1.2	--	--	11.8	268	94	68	0	7	2	1
MO COLUMBIA	25	6	32	-7	16	-16	.3	.1	.2	5.3	139	3.2	168	83	56	0	7	4	0
MO KANSAS CITY	20	1	35	-19	11	-19	.3	0	.1	5.8	187	2.8	215	70	44	0	7	2	0
MO SAINT LOUIS	22	4	30	-6	13	-20	.9	.4	.6	8.4	183	4.5	205	99	73	0	7	3	1
MO SPRINGFIELD	29	8	41	0	18	-16	.2	.2	.2	9.2	200	4.3	239	95	65	0	7	2	0
MT BILLINGS	20	1	42	-17	11	-14	.2	.1	.2	1.8	129	1.3	163	75	45	0	7	3	0
MT GLASGOW	4	-23	29	-37	-9	-21	.2	.1	.2	1.3	144	1.1	275	72	44	0	7	3	0
MT GREAT FALLS	16	-2	37	-21	7	-17	.3	.1	.2	1.8	95	1.3	118	84	56	0	7	5	0
MT HAVRE	10	-15	27	-34	-2	-17	.1	.1	.1	.5	42	.5	63	79	41	0	7	1	0
MT HELENA	19	-3	42	-18	8	-14	.2	.1	.1	1.2	120	.9	180	74	44	0	7	3	0
MT KALISPELL	19	-2	36	-30	8	-14	.1	.2	.1	3.7	106	1.5	94	86	57	0	7	3	0
MT MILES CITY	12	-17	33	-36	-3	-21	.2	.1	.1	1.2	120	.9	180	84	50	0	7	4	0
MT MISSOULA	17	1	39	-27	9	-15	.5	.3	.4	4.5	188	2.5	208	78	48	0	7	4	0
NE GRAND ISLAND	12	-3	23	-16	5	-20	.6	.4	.4	3.8	292	1.2	150	75	52	0	7	4	0
NE LINCOLN	13	-3	33	-14	5	-19	.2	0	.1	3.3	183	1.0	111	77	51	0	7	4	0
NE NORFOLK	11	-7	25	-24	2	-19	.3	.2	.2	4.1	315	1.9	271	75	49	0	7	2	0
NE NORTH PLATTE	21	0	37	-19	10	-16	.1	0	.1	2.4	267	.8	160	90	63	0	7	2	0
NE OMAHA	11	-6	25	-13	2	-20	.2	0	.1	3.8	211	1.6	160	81	55	0	7	4	0
NE SCOTTSBLUFF	22	-4	48	-27	9	-17	.1	.1	.1	--	--	.3	75	71	39	0	7	2	0
NE VALENTINE	14	-7	29	-22	4	-19	.1	.1	.1	1.5	188	.1	25	82	63	0	7	2	0
NV ELY	31	4	41	-15	17	-8	.1	.1	.1	1.7	121	1.2	200	81	39	0	7	1	0
NV LAS VEGAS	53	32	65	19	42	-5	.2	.1	.2	.3	30	.3	50	53	18	0	3	1	0
NV RENO	44	21	53	14	33	-2	.1	.2	.1	2.4	30	1.2	86	73	36	0	7	0	0
NV WINNEMUCCA	35	18	43	4	27	-5	.1	.2	.1	1.9	86	.2	18	79	44	0	7	1	0
NH CONCORD	37	15	48	-2	26	5	2.7	2.1	1.7	10.6	158	5.4	180	96	57	0	7	5	1
NJ ATLANTIC CITY	51	31	60	25	41	8	.8	0	.4	8.8	104	4.1	103	97	61	0	5	3	0
NM ALBUQUERQUE	38	17	46	8	28	-10	.1	0	.1	.5	63	.3	100	87	40	0	7	1	0
NM CLOVIS	31	14	52	5	23	--	.3	--	.3	--	--	.5	--	85	57	0	7	3	0
NM ROSWELL	36	18	58	8	27	-14	.1	.1	.1	.7	70	.6	120	91	53	0	7	1	0
NY ALBANY	37	15	44	1	26	4	1.9	1.4	1.1	8.1	145	4.3	187	92	59	0	7	4	2
NY BINGHAMTON	39	16	47	8	28	6	2.1	1.5	.9	7.4	125	4.5	167	88	62	0	7	4	2
NY BUFFALO	30	12	37	5	21	-2	2.0	1.3	1.3	10.5	154	7.4	224	91	60	0	7	6	1
NY NEW YORK	44	29	56	22	36	4	1.8	1.1	.9	11.2	153	5.5	167	95	57	0	6	5	1
NY ROCHESTER	30	10	36	1	20	-3	1.0	.4	.7	7.0	130	4.0	148	96	64	0	7	4	1
NY SYRACUSE	34	17	36	8	25	2	1.4	.7	.7	7.8	115	4.4	142	97	64	0	7	6	1
NC ASHEVILLE	50	33	57	21	42	4	2.4	1.6	1.0	11.3	143	6.0	154	97	69	0	3	4	2
NC CHARLOTTE	54	39	72	33	46	3	1.8	.9	1.2	12.3	154	5.6	137	99	63	0	0	3	1
NC GREENSBORO	53	37	70	29	45	6	1.3	.5	.8	10.8	146	4.0	105	95	58	0	2	3	1
NC HATTERAS	63	48	69	42	55	10	2.3	1.3	1.1	15.4	154	8.2	167	99	75	0	0	6	1
NC NEW BERN	66	48	74	39	57	11	1.8	.8	1.3	--	--	7.3	170	92	61	0	0	4	2
NC RALEIGH	57	41	71	35	49	8	1.8	1.0	.7	10.1	138	5.2	137	94	53	0	0	4	2
NC WILMINGTON	67	49	77	40	58	11	2.0	1.3	1.6	13.0	173	7.2	200	96	60	0	0	5	1
ND BISMARCK	6	-25	24	-39	-9	-20	.2	.1	.2	1.4	127	.8	133	87	60	0	7	2	0
ND FARGO	-1	-24	21	-30	-13	-20	.1	0	.1	2.2	244	1.2	300	76	56	0	7	1	0
ND GRAND FORKS	2	-22	22	-28	-10	-14	.1	.1	.1	--	--	1.1	220	77	60	0	7	2	0
ND WILLISTON	6	-22	30	-32	-8	-18	.2	0	.1	2.0	143	1.4	156	72	50	0	7	3	0
OH AKRON-CANTON	34	19	44	5	27	0	1.2	.6	.8	7.7	131	4.3	143	85	62	0	7	4	1
OH CINCINNATI	36	22	53	7	29	-3	1.8	1.0	1.3	10.3	149	6.9	182	85	62	0	7	3	1
OH CLEVELAND	31	14	43	0	22	-5	1.5	1.0	.9	8.1	145	4.6	159	81	57	0	7	3	2
OH COLUMBUS	34	20	47	7	27	-2	1.4	.8	1.2	7.9	139	4.9	158	90	67	0	7	2	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

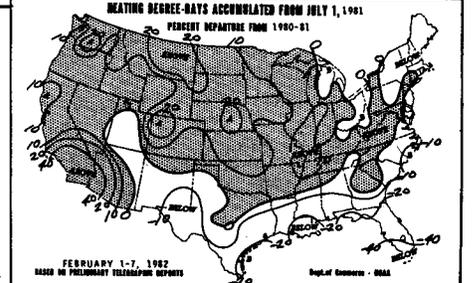
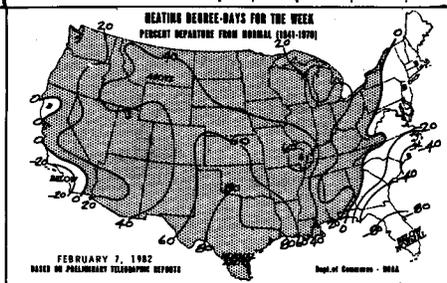
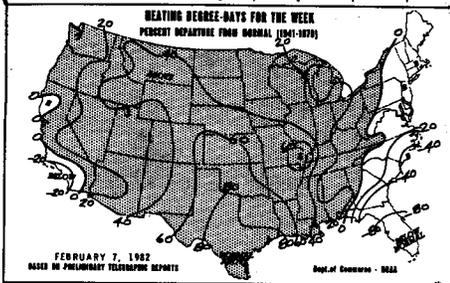
Weather Data for the Week Ending Feb. 6, 1982

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Nov. 29	PCT. NORMAL SINCE Nov. 29	TOTAL, IN., SINCE Jan. 3	PCT. NORMAL SINCE Jan. 3	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	31	17	42	1	24	-5	2.2	1.6	1.7	10.2	173	6.4	194	92	74	0	7	4	1
TOLEDO	22	6	30	-6	14	-11	1.2	.8	.7	6.6	138	3.6	164	93	68	0	7	4	1
YOUNGSTOWN	33	17	45	6	25	0	1.6	1.0	1.3	7.2	113	4.2	127	89	64	0	7	4	1
OK OKLAHOMA CITY	31	17	49	7	24	-15	.5	.2	.5	4.9	175	4.2	323	85	59	0	7	2	0
TULSA	30	17	40	5	24	-15	.1	.3	.1	3.8	106	2.8	175	89	62	0	7	2	0
OR ASTORIA	48	37	51	28	43	0	.3	1.8	.3	28.6	126	14.1	132	82	51	0	3	1	0
BURNS	27	9	39	-10	18	-10	.1	.3	T	4.5	115	.7	37	66	51	0	7	1	0
MEDFORD	44	25	51	18	35	-4	T	.6	T	9.9	125	1.3	33	93	55	0	7	0	0
PENDLETON	39	27	48	13	33	-3	.1	.3	.1	3.8	106	1.6	89	80	52	0	4	1	0
PORTLAND	45	35	50	25	40	0	.4	.8	.3	16.3	123	6.3	98	82	52	0	3	3	0
SALEM	46	31	53	22	38	-3	T	1.3	T	16.0	106	5.7	76	82	49	0	3	1	0
PA ALLENTOWN	38	24	49	18	31	3	1.9	1.2	1.3	8.4	111	5.1	150	95	60	0	6	3	1
ERIE	29	11	37	1	20	-4	1.6	1.2	1.3	6.9	113	4.2	150	87	61	0	7	3	1
HARRISBURG	39	26	52	19	33	2	1.2	.6	.7	7.0	108	4.3	143	97	64	0	6	3	1
PHILADELPHIA	45	29	56	23	37	4	1.8	1.2	.8	11.1	163	6.4	213	93	56	0	5	5	2
PITTSBURGH	38	21	51	8	29	1	1.2	.6	.9	7.7	126	4.6	148	78	55	0	7	5	1
SCRANTON	41	22	55	15	31	5	1.7	1.2	.9	5.7	112	3.1	141	91	63	0	6	5	1
RI PROVIDENCE	47	28	58	22	38	10	2.9	2.1	1.5	13.3	156	6.1	156	95	51	0	5	5	3
SC CHARLESTON	65	47	73	42	56	7	.8	.1	.4	8.6	126	2.7	87	100	64	0	0	3	0
COLUMBIA	63	43	77	39	53	7	1.7	.9	1.2	14.4	182	5.1	128	98	59	0	0	3	1
FLORENCE	61	43	72	38	52	6	1.1	.3	.7	--	--	5.3	161	95	59	0	0	4	1
GREENVILLE	53	39	69	32	46	3	3.2	2.2	1.7	14.0	151	5.6	119	93	62	0	1	4	3
SD ABERDEEN	3	-20	21	-32	-8	-20	--	--	--	--	--	--	84	63	0	7	0	0	0
HURON	9	-15	26	-25	-3	-17	T	.1	T	2.7	270	1.1	220	77	51	0	7	0	0
RAPID CITY	19	-6	41	-21	6	-17	T	.1	T	.8	73	.2	67	80	51	0	7	2	0
SIOUX FALLS	11	-10	23	-17	0	-16	T	.2	T	1.5	107	.6	86	72	47	0	7	1	0
TN CHATTANOOGA	49	33	62	21	41	0	2.4	1.1	1.3	16.3	134	9.8	156	86	61	0	2	4	2
KNOXVILLE	50	34	66	22	42	1	2.1	1.0	1.4	12.5	119	7.3	135	91	65	0	3	4	1
MEMPHIS	41	26	63	15	34	-9	1.5	.3	.9	10.1	94	5.6	100	91	69	0	7	4	1
NASHVILLE	45	27	63	14	36	-3	1.9	.8	1.0	16.0	152	7.1	129	92	63	0	7	5	2
TX ABILENE	38	23	56	12	31	-15	.2	.1	.1	1.9	79	1.2	100	88	52	0	6	4	0
AMARILLO	28	6	55	-5	17	-20	.4	.2	.2	.7	50	.5	83	87	49	0	7	4	0
AUSTIN	50	33	64	22	42	-10	.1	.6	.1	1.5	31	.9	39	79	49	0	3	2	0
BEAUMONT	50	38	56	30	44	-10	.4	.7	.2	6.2	61	2.0	43	93	61	0	1	2	0
BROWNSVILLE	63	44	83	31	53	-8	.1	.3	.1	.8	26	.1	6	88	54	0	1	2	0
CORPUS CHRISTI	57	40	71	28	49	-9	.2	.3	.2	1.6	42	.3	15	88	53	0	2	2	0
DEL RIO	52	35	65	24	44	-10	T	.2	T	.3	21	.2	25	81	68	0	4	1	0
EL PASO	54	22	61	15	38	-8	0	.1	0	.5	50	.3	60	72	24	0	7	0	0
FORT WORTH	39	27	55	14	33	-14	.2	.3	.1	3.2	76	2.4	114	86	61	0	6	2	0
GALVESTON	51	41	57	31	46	-9	.3	.4	.3	3.9	53	1.3	41	87	66	0	1	1	0
HOUSTON	49	36	58	28	43	-11	.2	.7	.1	7.7	90	2.0	49	94	61	0	2	2	0
LUBBOCK	35	14	55	3	24	-16	.1	0	.1	.9	75	.2	33	90	47	0	7	1	0
MIDLAND	41	21	60	11	31	-15	T	.1	T	.2	18	.1	20	80	44	0	6	1	0
SAN ANGELO	42	25	59	13	34	-15	.1	.2	T	1.2	63	1.2	100	90	51	0	6	3	0
SAN ANTONIO	50	30	66	21	40	-12	.1	.4	.1	1.9	53	1.0	50	89	48	0	5	2	0
VICTORIA	53	34	66	26	43	-11	.2	.3	.2	2.0	45	.6	27	86	54	0	2	2	0
WACO	45	29	62	17	37	-11	.1	.4	.1	2.4	52	1.4	61	88	58	0	5	1	0
WICHITA FALLS	35	20	51	10	27	-16	.1	.2	.1	2.7	194	1.7	155	93	59	0	7	2	0
UT BLANDING	30	12	40	-2	21	-10	.3	0	.2	1.3	50	.8	67	85	59	0	7	2	0
CEDAR CITY	32	9	46	-8	20	-11	.6	.4	.6	--	--	2.6	325	68	40	0	7	2	1
SALT LAKE CITY	29	14	41	1	22	-9	.1	.2	.1	3.0	100	.5	64	82	50	0	7	3	0
VT BURLINGTON	32	10	39	-5	21	4	1.8	1.3	.8	5.9	128	3.5	175	96	59	0	7	6	2
VA NORFOLK	58	38	74	34	48	8	1.1	.3	.6	10.5	142	4.5	126	92	53	0	0	5	1
RICHMOND	53	36	67	31	44	6	1.0	.3	.5	8.8	128	3.6	113	99	65	0	2	3	1
ROANOKE	45	30	61	20	38	1	2.2	1.5	1.4	9.6	148	5.8	187	95	60	0	4	3	2
WA COLVILLE	31	18	43	5	25	-3	.1	.3	.1	5.2	108	2.3	96	88	64	0	7	2	0
QUILLAYUTE	47	34	50	25	40	0	1.0	.2	.8	37.1	110	19.1	118	95	64	0	3	3	1
SEATTLE-TACOMA	44	35	46	28	40	-1	.7	.5	.4	11.3	36	5.6	85	72	49	0	2	2	0
SPOKANE	30	18	41	2	24	-5	T	.5	T	3.9	71	1.4	52	87	60	0	7	0	0
WYAKIMA	42	23	58	11	33	1	T	.3	T	3.4	113	.5	31	79	37	0	6	0	0
WV BECKLEY	46	27	61	12	37	5	1.4	.6	.6	6.6	85	3.2	78	95	68	0	5	4	1
CHARLESTON	48	28	72	13	38	3	.9	.1	.4	7.1	95	4.3	110	90	63	0	6	4	0
HUNTINGTON	42	26	58	13	34	-1	1.1	.4	.8	7.6	106	4.7	131	92	69	0	6	4	1
PARKERSBURG	41	25	53	9	33	2	.8	.1	.5	5.0	67	3.2	74	91	63	0	7	2	1
WI GREEN BAY	12	-5	23	-20	4	-12	.1	.2	.1	2.7	93	1.3	93	91	57	0	7	1	0
LA CROSSE	11	-12	23	-22	-1	-18	.1	.1	.1	2.5	109	1.1	100	84	57	0	7	2	0
MADISON	14	-7	26	-17	4	-14	.1	.1	.1	2.5	89	1.4	108	87	58	0	7	3	0
MILWAUKEE	17	1	27	-14	9	-11	.3	.1	.2	4.4	116	2.8	156	86	52	0	7	2	0
WAUSAU	14	-11	24	-22	2	-12	.1	.2	.1	--	--	1.3	93	88	58	0	7	2	0
WY CASPER	16	-5	40	-27	6	-20	.3	.2	.1	1.0	100	.6	100	71	46	0	7	4	0
CHEYENNE	21	-1	44	-25	10	-18	.1	.1	.1	1.1	100	.5	100	77	45	0	7	3	0
LANDER	21	-2	43	-21	9	-13	.2	0	.1	.5	45	.5	83	79	40	0	7	4	0
PR SHERIDAN	22	-4	42	-22	9	-15	.1	0	.1	1.1	69	.5	63	73	37	0	7	2	0
SAN JUAN	83	72	84	71	78	2	4.7	4.0	1.4	20.1	218	6.1	153	90	65	0	0	7	4

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING FEB. 7, 1982.
BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JULY 1, 1981.

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE*, SEASONAL ACCUMULATION +, and DEPARTURE FROM 1980-81. Rows list various cities across the United States.



January Weather and Crop Summary

WEATHER

HIGHLIGHTS: Arctic air dominated most of the Nation. Average temperatures for the month were 12 to 16° colder than normal across the northern Plains. Arctic outbreaks brought freezing temperatures to the Valleys of California, lower Rio Grande Valley in southern Texas, and Florida. Damage to vegetables in the first two areas was slight but a hard freeze through most of Florida caused severe damage to citrus and vegetables. Freezing rain and very cold weather across the South caused severe hardships and property damage. Precipitation was above normal in most of the Nation. Snow piled to record depths in parts of the northern Mississippi Valley and unusually heavy rain in central California caused loss of life and property.

January began with very cold weather through the central and northern Plains, northern Rockies, and Plateau. A warming trend followed during the first 3 days as a storm system moved from the west coast to the Southeast and spread rain or snow across the land.

FIRST WEEK...Another Pacific storm brought rain to the west coast. Some very heavy rain fell in parts of central California where flooding resulted in loss of life and property. Cold air followed the storm and covered the Plains and the West. Freezing temperatures spread through the valleys of California. Another surge of cold air brought freezes to southern Texas and across the South. Moderate to heavy precipitation in the mid-South and along the east coast was beneficial.

SECOND WEEK...The cold air persisted in the West with freezing temperatures reaching parts of the valleys in central California. Another blast of arctic air spread over the eastern two-thirds of the Nation and caused some of the coldest weather of recent years in much of the East. Freezing temperatures spread into the lower Rio Grande Valley in Texas and then through Florida where a hard freeze reached southward into the Everglades. Damage to Florida's citrus and vegetables was severe. Ice storms and temperatures much colder than normal caused property damage from central Texas to the Carolinas.

THIRD WEEK...Temperatures moderated across the South but some freezing rain persisted through the central Mississippi and Ohio Valleys. The cold weather persisted from the northern Plains through New England and heavy snow piled up in the northern Mississippi Valley while moderate amounts covered much of the northern Plains. Some precipitation fell over nearly all of the Nation. Only western Texas, the southern Rockies, and southern Florida were excluded. Moderate to heavy rain fell along the west coast with snow through the mountains. Rains was also moderate through the Tennessee and Ohio Valleys. As the week ended, freezing temperatures reached into central California and south central Texas.

FOURTH WEEK...Moderate to heavy precipitation from west central Texas to the southern Great Lakes region began as rain through much of the area but ended as snow from Missouri northeastward. Local flooding occurred in the Ohio Valley as rain combined with melting snow. Colder weather at the end of the month slowed the runoff. Some freezing mornings persisted in central California but the West was generally warmer than normal and the East colder.

WINTER WHEAT

Winter wheat rated mostly good to excellent in the Pacific Northwest, fair to good from the Delta States eastward to the Coast and in the Corn Belt, and good in the Southwest at the beginning of the year. In the Great Plains, winter wheat was in mostly good condition. Snow provided a protective cover in northern areas against the month-long frigid temperatures. More snow would have been desirable in other areas to provide insulation from cold and protection from wind damage. At the end of January, winter wheat rated good to excellent in most of the Pacific Northwest and Kansas and fair to mostly good in other producing regions. Some winterkill is expected in late-planted fields in southeastern Kansas. Light to moderate wind damage was evident.

During January, below normal temperatures may have caused some winterkill in late-planted Southeastern Kansas wheat fields. Winds across the southern and eastern parts of the State caused light to moderate wind damage. Cold temperatures and poor soil moisture supplies limited plant growth in Oklahoma. However, at month's end the crop was still in fair to good condition. Winter wheat in Texas was in fair to good condition. Many fields showed signs of moisture stress. Wheat pasture condition declined because of the dry weather. Wind damage in Montana has been light; the crop was in fair to good condition. In the Pacific Northwest, winter wheat was in good to excellent condition.

National Weather Summary

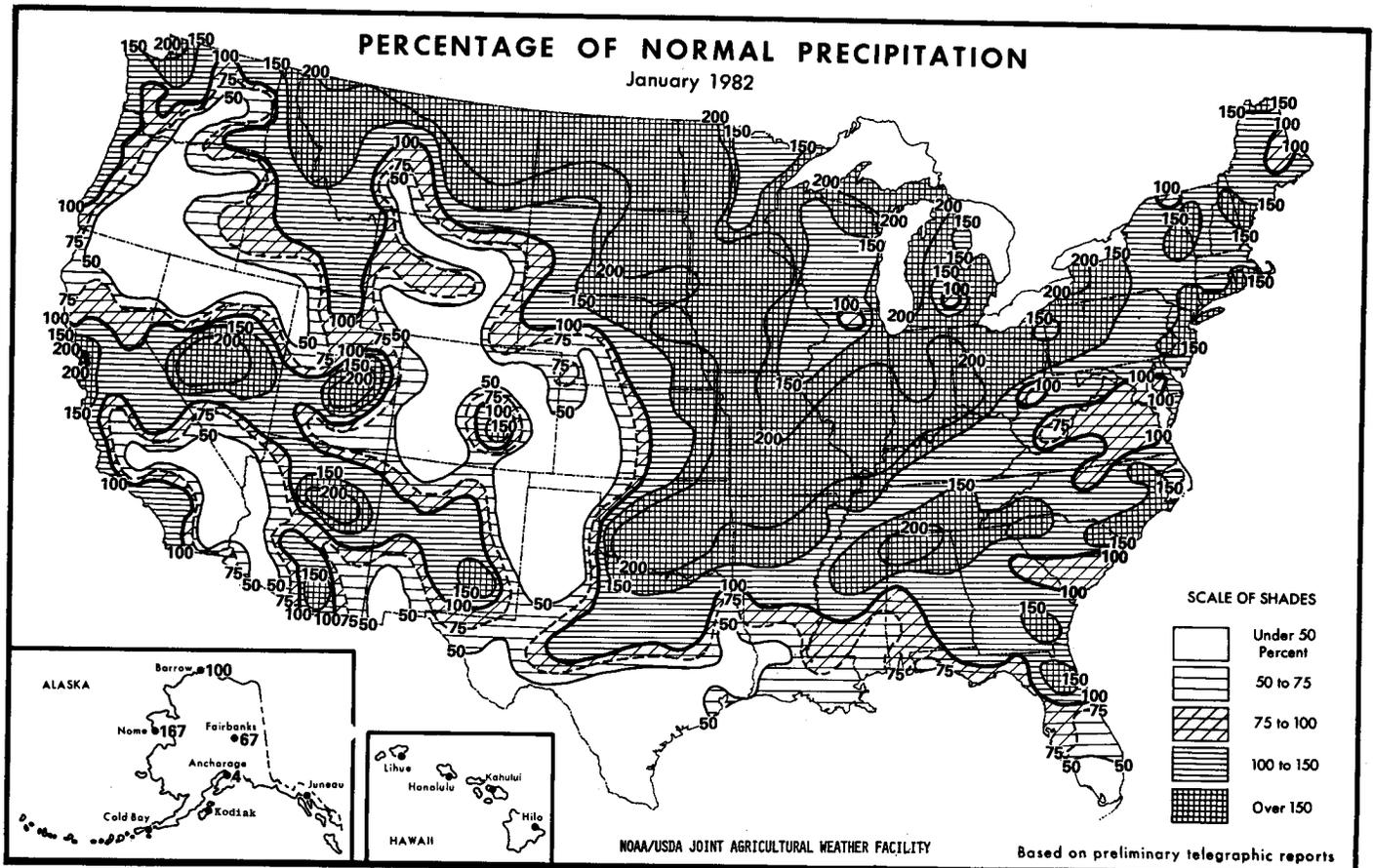
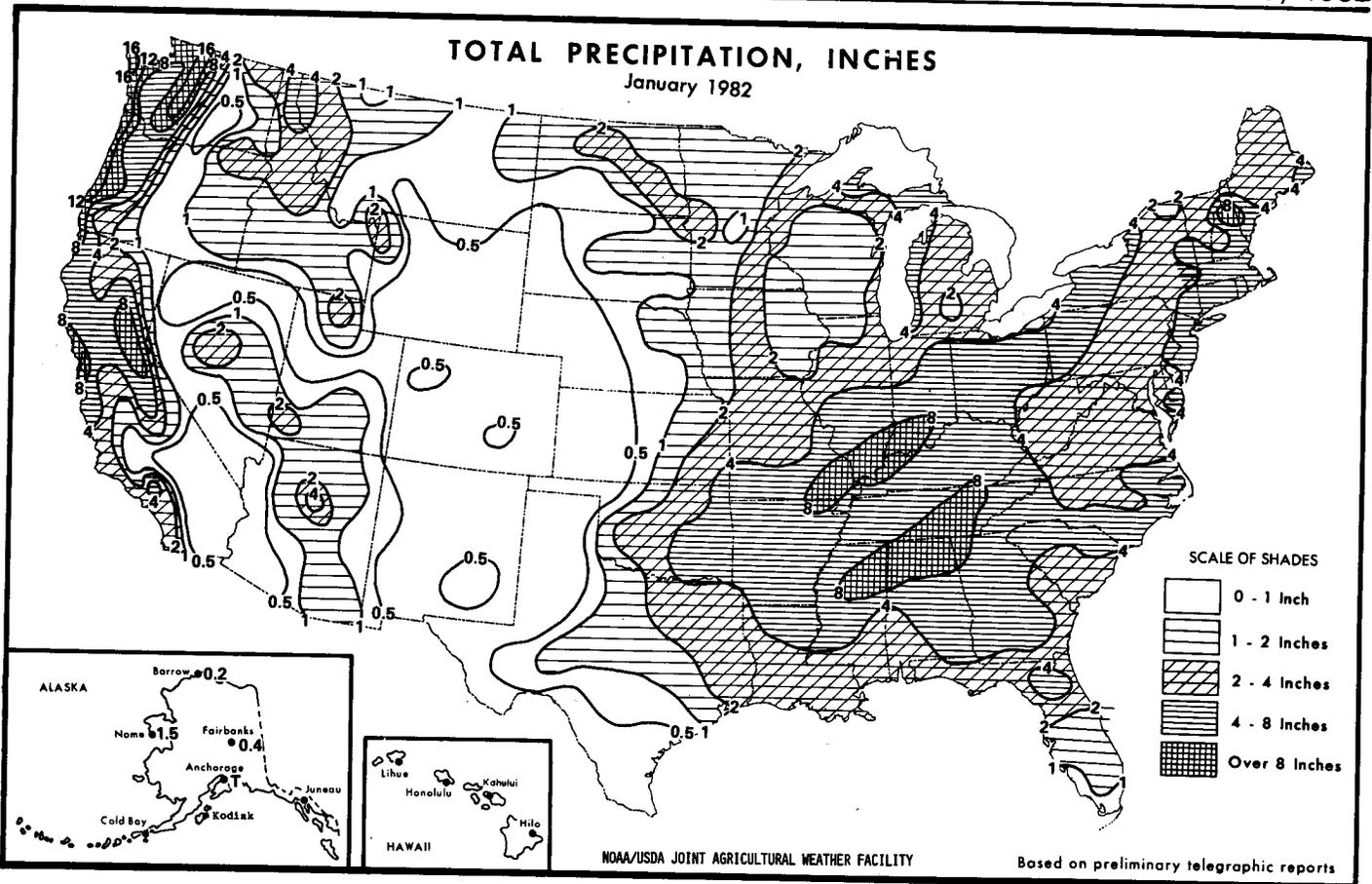
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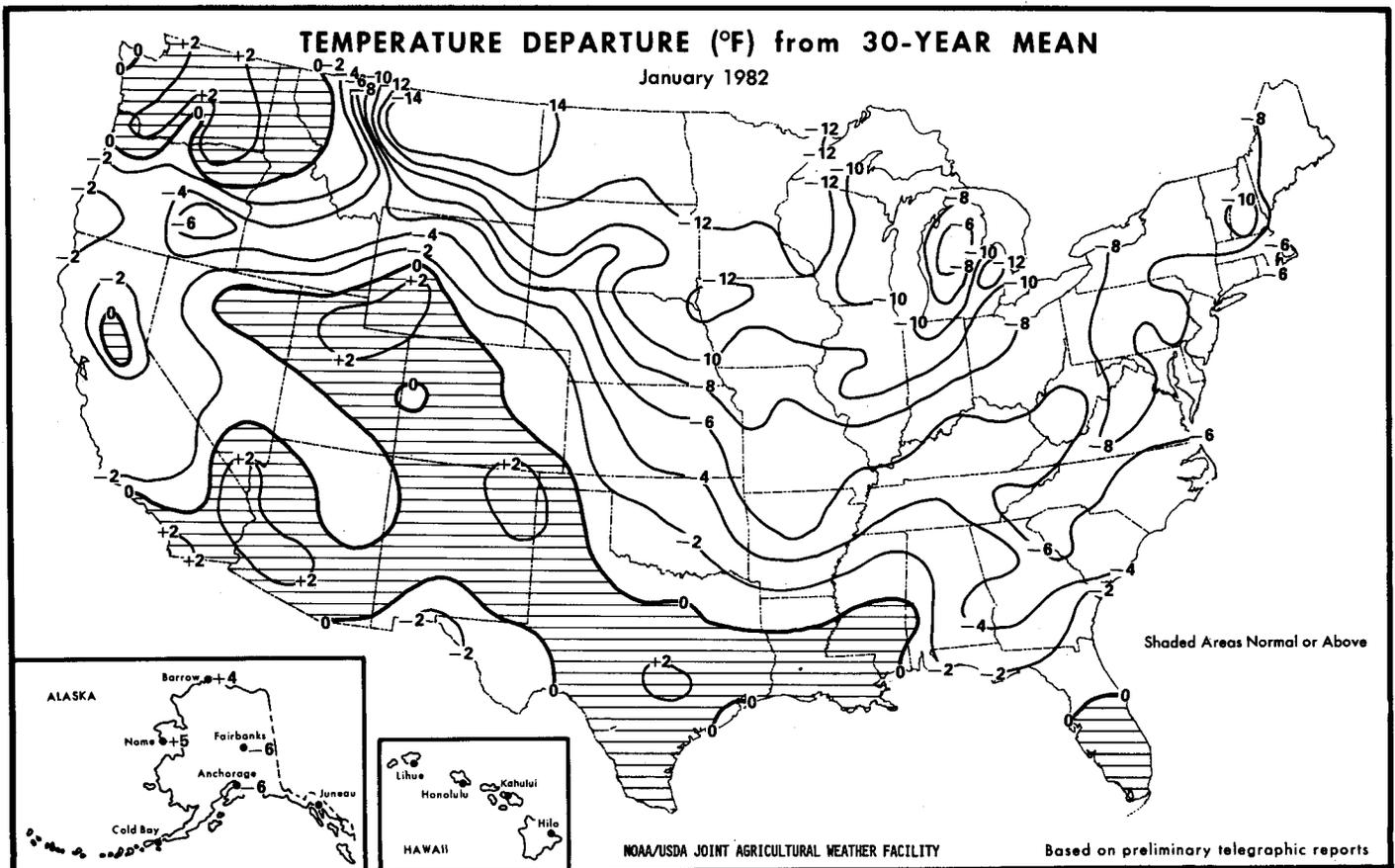
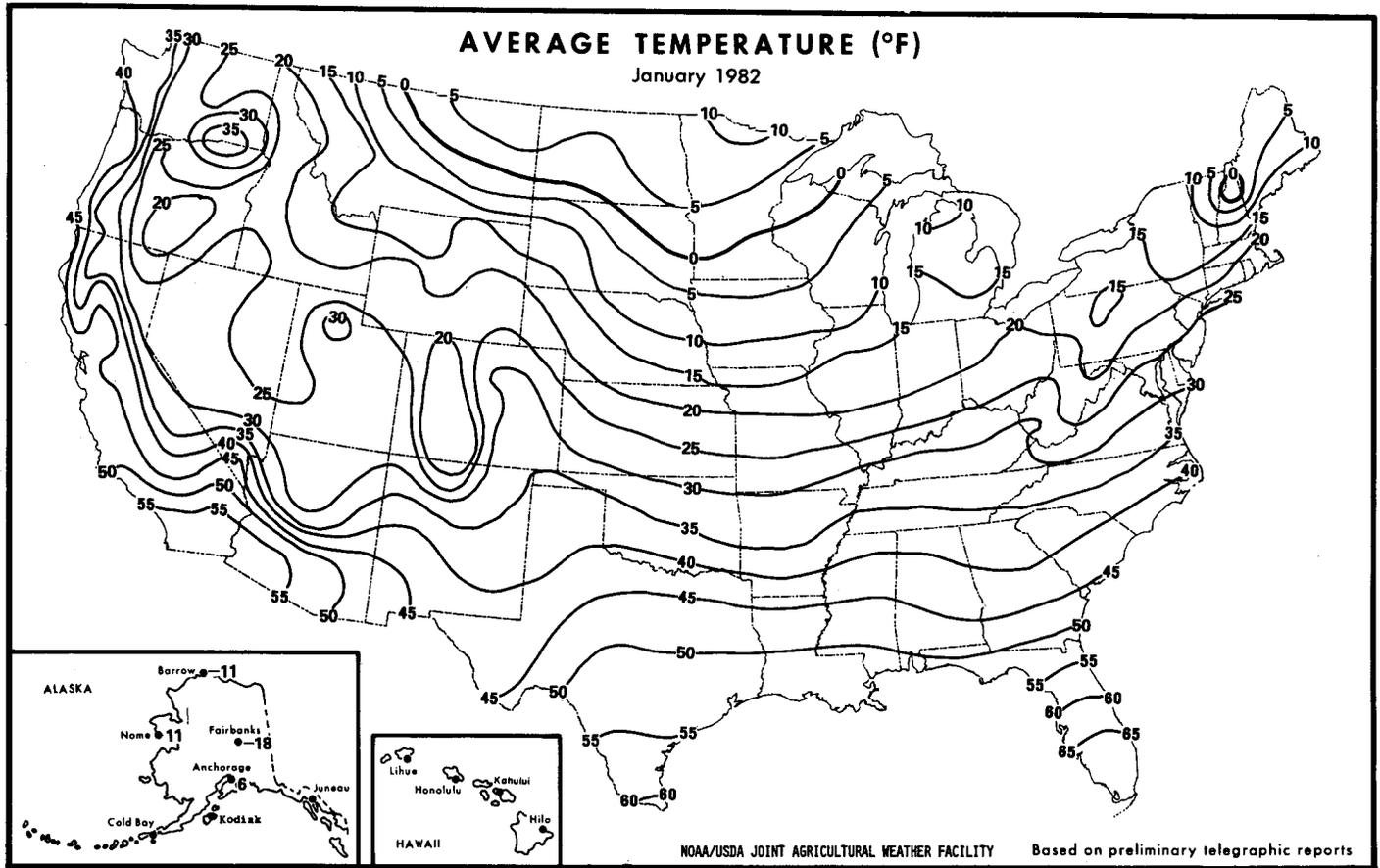
duced moderate temperatures and precipitation. Snow fell from Arkansas and southern Missouri to the southern Appalachians and northward west of the mountains to the central Great Lakes. Rain fell across the South and up the east coast to southern New England. Light snow covered the central and northern Rockies and spread into the northern Plains.

Temperature and Precipitation Data for January 1982

States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	42	-2	6.5	1.7	LA BATON ROUGE	52	1	3.4	-1.0	IOLEDO	16	-9	3.6	1.5
MOBILE	50	-1	3.6	-1.1	LAKE CHARLES	52	0	2.1	-1.9	YOUNGSTOWN	19	-7	4.3	1.4
MONTGOMERY	44	-4	4.7	.7	NEW ORLEANS	55	2	2.8	-1.7	OK OKLAHOMA CITY	35	-2	3.7	2.6
AK ANCHORAGE	6	-6	.7	-.8	SHREVEPORT	46	-1	3.6	-.4	TULSA	34	-3	3.6	2.2
BARROW	11	4	.2	.0	ME CARIBOU	4	-7	2.5	.5	OR ASTORIA	42	1	14.0	4.3
FAIRBANKS	18	-6	.4	-.2	PORTLAND	15	-7	5.2	1.8	BURNS	18	-7	1.2	-.6
JUNEAU	---	---	---	---	MD BALTIMORE	26	-7	3.4	.5	MEDFORD	35	-2	1.4	-2.1
KODIAK	---	---	---	---	MA BOSTON	23	-6	4.7	1.0	PENDLETON	35	3	1.5	-.1
WOME	11	5	1.5	.6	MI CHATHAM	26	-5	4.3	.5	PORTLAND	40	2	6.3	.4
AZ FLAGSTAFF	28	0	4.6	2.7	MI ALPENA	11	-7	2.1	.4	SALEM	39	0	6.1	-.8
PHOENIX	54	3	.8	.1	DETROIT	17	-8	3.4	1.6	PA ALLENTOWN	20	-8	3.5	.5
TUCSON	51	0	1.6	.8	FLINT	10	-12	2.9	1.2	ERIE	19	-6	3.9	1.4
WINSLOW	32	-1	1.2	.8	GRAND RAPIDS	17	-6	3.0	1.1	HARRISBURG	23	-7	3.6	1.0
YUMA	56	1	.3	-.1	Houghton Lake	12	-5	2.4	.9	PHILADELPHIA	25	-7	4.5	1.7
AR FORT SMITH	34	-5	4.2	1.8	LANSING	15	-8	1.6	-.3	PITTSBURGH	21	-7	4.4	1.6
LITTLE ROCK	35	-6	6.7	2.0	MARQUETTE	5	-8	3.8	1.1	SCRANTON	19	-8	2.7	.6
CA BAKERSFIELD	46	-2	.5	-.5	MUSKOGON	16	-8	4.6	2.3	RI PROVIDENCE	22	-6	6.1	2.6
EUREKA	45	-2	4.8	-2.6	SAULT STE. MARIE	5	-9	4.5	2.6	SC CHARLESTON	45	-4	2.2	-.7
FRESNO	42	-3	2.1	.3	MN DULUTH	3	-12	2.0	.8	COLUMBIA	41	-4	3.7	.3
LOS ANGELES	55	0	2.8	.3	INT'L FALLS	-11	-13	1.2	.3	GREENVILLE	36	-6	6.3	2.2
RED BLUFF	44	-1	3.6	-.9	MINNEAPOLIS	2	-10	2.5	1.8	SD ABERDEEN	---	---	---	---
SAN DIEGO	57	2	2.7	.8	ROCHESTER	3	-10	1.7	1.0	HURON	4	-9	1.4	1.0
SAN FRANCISCO	45	-3	8.8	4.4	SAINT CLOUD	-3	-12	1.0	.2	RAPID CITY	12	-10	.4	-.1
STOCKTON	42	-3	3.9	1.0	MS JACKSON	47	0	4.5	.0	SIoux FALLS	4	-10	.8	.2
CO DENVER	30	0	.3	-.3	MERIDIAN	48	1	3.2	-1.1	TN CHATTANOOGA	36	-4	8.3	2.9
GRAND JUNCTION	26	-1	.3	-.3	MO COLUMBIA	22	-7	3.2	1.5	KNOXVILLE	34	-7	6.0	1.3
PUEBLO	31	1	.5	.2	KANSAS CITY	19	-8	2.7	1.4	MEMPHIS	37	-4	6.6	1.7
CT BRIDGEPORT	23	-7	5.5	2.8	SAINT LOUIS	23	-8	4.9	3.0	NASHVILLE	34	-4	6.5	1.7
HARTFORD	19	-6	4.8	1.5	SPRINGFIELD	26	-7	4.5	2.8	TX ABILENE	45	1	1.0	.0
DC WASHINGTON	28	-8	2.3	-.3	MT BILLINGS	13	-9	.7	.0	AMARILLO	37	1	.2	-.3
FL APALACHICOLA	53	-1	2.6	.5	GLASGOW	-5	-14	.8	.4	AUSTIN	52	2	.9	-1.0
DAYTONA BEACH	57	-1	2.5	.4	GREAT FALLS	6	-15	1.1	.2	BEAUMONT	53	1	2.0	-2.1
FORT MYERS	65	1	.4	-1.2	HAVRE	-3	-15	1.3	.8	BROWNSVILLE	60	0	T	-1.4
JACKSONVILLE	54	-1	3.0	.2	HELENA	17	-1	.8	-.2	CORPUS CHRISTI	57	1	.1	-1.5
KEY WEST	71	0	.4	-1.3	KALISPELL	19	0	2.7	1.2	DEL RIO	51	0	.1	-.5
MIAAMI	68	1	.4	-1.8	MILES CITY	2	-13	1.0	.5	EJ. PASO	42	-2	.3	-.1
ORLANDO	60	0	1.7	-.6	MISSOULA	21	0	2.1	.9	FORT WORTH	45	0	2.3	.5
TALLAHASSEE	51	-2	3.7	.0	NE GRAND ISLAND	13	-9	.7	.2	GALVESTON	53	-1	1.8	-.1
TAMPA	60	0	1.9	-.4	LINCOLN	12	-10	.9	.3	HOUSTON	53	1	1.8	-1.8
WEST PALM BEACH	66	0	1.3	-1.3	NORFOLK	9	-10	1.6	1.0	LUBBOCK	40	1	.1	-.5
GA ATLANTA	39	-3	4.8	.5	NORTH PLATTE	17	-6	.2	-.3	MIDLAND	44	0	.4	-.2
AUGUSTA	40	-6	3.0	-.4	OMAHA	10	-10	1.3	.6	SAN ANGELO	46	0	1.1	.3
MACON	44	-4	4.3	.6	VALENTINE	10	-10	.5	.2	SAN ANTONIO	51	0	.7	-1.0
SAVANNAH	49	-1	3.5	.6	NV ELY	23	-1	1.1	.5	VICTORIA	54	0	.4	-1.4
HI HILO	---	---	---	---	LAS VEGAS	46	2	.1	-.4	WACO	47	0	1.9	.0
HONOLULU	---	---	---	---	RENO	29	-3	1.2	.0	WICHITA FALLS	41	-1	1.7	.6
KAHULUI	---	---	---	---	WINNEMUCCA	28	0	.3	-.7	UT BLANDING	28	0	.8	-.3
LINUHE	---	---	---	---	NH CONCORD	10	-11	4.0	1.3	SALT LAKE CITY	30	2	1.1	-.2
ID BOISE	25	-4	1.4	-.1	NJ ATLANTIC CITY	27	-6	4.1	.5	VT BURLINGTON	10	-7	2.7	1.0
LEWISTON	32	1	1.6	.3	TRENTON	25	-7	4.5	1.7	VA LYNCHBURG	28	-9	3.6	.8
POCATELLO	20	-3	1.4	.3	NM ALBUQUERQUE	36	1	.3	.0	NORFOLK	35	-6	3.4	.0
IL CAIRO	31	-5	7.9	3.9	ROSWELL	39	1	.7	.3	RICHMOND	32	-6	2.8	-.1
CHICAGO	12	-11	2.9	1.2	NY ALBANY	14	-8	3.2	1.0	ROANOKE	29	-7	3.8	1.1
MOLINE	11	-11	2.1	.4	PINGHAMTON	15	-7	3.4	1.1	WA COLVILLE	25	1	2.5	.4
PEORIA	16	-8	2.9	1.1	BUFFALO	17	-7	6.9	4.0	CMK	25	4	.9	-.3
ROCKFORD	9	-11	1.6	-.2	NEW YORK	25	-7	4.8	1.9	QUILLAYUTE	38	-1	19.3	4.7
SPRINGFIELD	17	-10	4.5	2.7	ROCHESTER	16	-8	4.2	1.9	SEATTLE-TACOMA	39	1	9.4	3.6
IN EVANSVILLE	27	-6	9.2	5.8	SYRACUSE	15	-9	3.6	.9	SPOKANE	26	1	1.6	-.9
FORT WAYNE	15	-10	5.4	2.9	NC ASHEVILLE	32	-6	5.4	2.0	WALLA-WALLA	36	3	2.4	.3
INDIANAPOLIS	20	-8	5.6	2.7	CHARLOTTE	36	-6	4.3	.8	YAKIMA	26	-2	.6	-.7
SOUTH BEND	16	-8	3.0	.6	GREENSBORO	33	-6	2.9	-.3	WV BECKLEY	26	-5	2.1	-1.4
BURLINGTON	14	-9	1.9	.3	WATERAS	41	-4	5.9	1.6	CHARLESTON	30	-5	3.7	.3
DES MOINES	10	-9	2.6	1.5	RALEIGH	36	-5	3.4	.2	HUNTINGTON	28	-6	4.5	1.3
DUBUQUE	---	---	---	---	WILMINGTON	42	-4	5.5	2.3	PARKERSBURG	27	-6	2.7	-.4
SIoux CITY	6	-12	1.6	-.9	ND BISMARCK	-4	-12	.8	.3	WI GREEN BAY	7	-8	1.3	.2
CONCORDIA	19	-7	.8	.1	FARGO	-7	-13	1.3	.8	LA CROSSE	4	-12	1.3	.3
DODGE CITY	28	-3	.2	-.3	WILLISTON	-6	-14	1.3	.7	MADISON	8	-9	1.4	.1
GOODLAND	26	-2	.2	-.2	OH AKRON-CANTON	20	-6	4.7	2.0	MILWAUKEE	10	-9	2.9	1.3
TOPEKA	22	-6	1.7	.7	CINCINNATI	24	-7	7.2	3.9	WY CASPER	20	-3	.4	-.1
WICHITA	26	-5	1.7	.8	CLEVELAND	20	-7	4.0	1.4	CHEYENNE	26	-1	.4	-.1
KY LEXINGTON	28	-5	5.5	1.5	COLUMBUS	21	-7	4.8	1.9	LANDER	22	2	.4	-.1
LOUISVILLE	29	-4	5.3	1.8	DAYTON	21	-7	6.0	3.2	SHERIDAN	16	-5	.7	.0
										PR SAN JUAN	78	-3	2.5	-1.2

Based on 1941-70 normals





National Agricultural Summary

February 1-7, 1982

HIGHLIGHTS: Frigid weather plunged southward, bringing many record low temperatures to the Great Plains. However, a mantle of snow from the Texas Panhandle and Western Oklahoma northward protected the winter wheat crop from damage. The cold weather stressed livestock and kept outside activities to a minimum. Wet conditions in the Southeast again delayed preparation of land for spring planting and topdressing of small grains. Less than 2 days were suitable for fieldwork in this region. Winter wheat was in good to excellent condition in most of Kansas and fair to good condition in other major producing States, although some stands in Texas were showing signs of stress from lack of moisture. Pruning of orchards, farm maintenance operations, and livestock care were the major farm activities. Supplemental feeding requirements for livestock remained high. Calving and lambing picked up momentum.

SMALL GRAINS: Winter wheat condition ranged from fair to excellent in most major producing States. Snow protected the crop from frigid temperatures in northern areas. Wet conditions limited topdressing across the South.

Kansas wheat continued in good to excellent condition in most areas of the State as a 4 to 6 inch snow cover provided protection from subzero temperatures. However, lack of January snow cover and frigid temperatures may have caused some freeze damage to late planted fields in southeastern Kansas. Oklahoma fields were in fair to good condition. Soil moisture is sufficient for good growth when the crop breaks dormancy. Winter wheat in Texas was in fair to good condition although many fields were suffering from lack of moisture. In some areas of the Northern High Plains, producers were taking cattle off wheat pastures. Recent showers in the Cross-Timbers and Blacklands caused fields to begin to turn green. Cold weather in Ohio may cause some winterkill in fields lacking snow cover. Montana wheat rated fair to good condition with most fields having good snow cover.

OTHER CROPS: Wet fields delayed land preparation for 1982 crops in the Southeast while snow, ice, and subfreezing temperatures halted most fieldwork in the Northern High Plains of Texas. On the Low Plains of Texas, winter wheat fields were topdressed with nitrogen. Cotton gins on the Texas High and Low Plains were busy working on modules. Land preparations and pre-irrigation for the new cotton crop was active in Arizona. Florida's sugarcane harvest continued. Tobacco plants in Georgia were in fair to good condition. Most burley markets in Kentucky were closed, but Virginia growers continued marketing fire-cured tobacco. Christmas trees were planted in Washington.

FRUITS AND NUTS: Leaves have dropped from freeze-damaged citrus trees in Florida. New growth and bloom buds are progressing well. However, the new, tender growth is very vulnerable to a freeze should it occur. The early and mid-season orange harvest was active in all areas of the State.

Arizona's citrus groves remained in mostly good condition with no reports of freeze damage. The lemon harvest was active in central and western growing areas. The grapefruit harvest was steady, but seasonally slow. Valencia oranges sized and colored well.

The Texas citrus harvest gained momentum in the Rio Grande Valley. Demand was good and prices were steady.

Early varieties of almonds neared bloom in the Sacramento Valley of California. Navel oranges and lemons were picked in the San Joaquin Valley. Desert lemon picking was virtually finished; many lemons were left unpicked because of low prices. Lemons moved in heavy volume in southern coastal counties; some were downgraded due to wind scar.

Apple and peach producers pruned trees as weather permitted. Some spraying was underway.

VEGETABLES: Warm days and mild nights prevailed in Florida's vegetable growing areas. Total vegetable shipments increased 16% from the previous week. Harvests gained for most crops, but declined for snap beans, carrots, cauliflower, celery, sweet corn, eggplant, and potatoes. The strawberry harvest was active with increased supplies expected soon. Watermelon planting neared completion in southern areas, but continued in west central areas. Early-planted fields made good growth.

Producers in the Rio Grande Valley of Texas harvested cabbage, lettuce, carrots, and broccoli and planted watermelons and green peppers. Many onion fields neared maturity. Irrigation continued in the San Antonio-Winter Garden area despite some rain. Cabbage, lettuce, carrots, and spinach were harvested. In the Trans-Pecos region, onions progressed well despite drying conditions. Land preparation for spring planting continued as weather permitted.

The asparagus harvest was slow but steady and broccoli was 70% harvested in the Imperial and Coachella Valleys of California. Growers in these areas also harvested cabbage and carrots. Cauliflower harvests were in progress along the South Coast. The lettuce harvest in the Imperial Valley passed the half-way mark. Spring melon planting was underway in the El Centro and Riverside areas. Strawberry picking began in Orange and San Diego Counties.

Lettuce harvest made steady progress in the Yuma area of Arizona. Late winter and early spring plantings were completed and were growing well. Vegetable harvests made very good progress.

PASTURES AND LIVESTOCK: Pastures generally rated poor to fair across the South. Supplemental Feeding remained high in most areas of the Nation. Heavy snow in northern areas limited access to feed supplies and frigid temperatures iced water supplies. Herdsmen were forced to feed large amounts of hay, forage, and grain and continually break ice on water sources. Cold weather stressed livestock and slowed weight gains. Calving and lambing continued; low temperatures were hard on the newborn.

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° below normal. Rainfall heavy except in extreme north, amounts from 3.00 to 6.00 in. common in south and central.

Fieldwork less than 1 day. Soil moisture surplus. Activities: Routine farm chores, winter maintenance, planning for this year's crops, pruning fruit and pecan trees. Livestock, wheat fair. Pasture feed short. Stored feed adequate. Pastures poor to fair.

ARIZONA: Fair to partly cloudy skies, cold air over State past week. Snow over northern half 4th where snow level reached 4,500 ft. Another storm 7th with snow levels again down to 4,500 ft. Average temperatures varied from 1 to 11° below normal.

Small grains, primarily wheat, barley, very good progress, planting rapidly winding down. Crop ranges mostly from just emerging, establishing stands to well past jointing, stem elongation stages. Land preparations, pre-irrigation new cotton crop active, mostly warmer western areas. Alfalfa growth seasonally slow, new, renovated fields growing well. Many being used sheep winter pasture. Sugarbeets continued good top, tap root development, some areas crop progress slightly ahead normal. Lettuce harvest steady progress Yuma area, plantings late winter, early spring Yuma area complete, growing well. Mixed vegetable harvest very good progress. Lettuce planting for harvest central areas still active. Earliest plantings good stand, growing very well. Lemon harvest active central, western areas. Grapefruit harvest steady, slow. Valencia oranges later variety tangerines sizing, coloring well. Groves remained mostly good condition, no reports freeze damage. Ranges fair condition throughout most of State. Extreme southwest Deserts mostly poor to fair. Livestock fair to good condition with adequate water supplies. Some northern areas requiring supplemental feeding.

ARKANSAS: Very cold with some record low temperatures established. Rainfall was light and scattered. Highest temperature 53°, lowest -3°. All departures from normal ranged from -11 to -22°. Most rainfall 0.81 in., least trace.

Little fieldwork took place due to adverse weather conditions. Wheat remained in good condition. Pastures showed no growth and livestock required more feed than usual as a result of the cold weather.

CALIFORNIA: A strong high pressure area over the Pacific Ocean produced dry weather. Mean temperatures were mixed; no trend evident in any region. All regions, however, did show lowest temperatures freezing or colder at a majority of stations. A strong and gusty north wind pushed through the Sacramento Valley late in the week.

Warm, dry weather aided in small grain growth. Additional planting of grain resumed after improved conditions. Some frost damage. Alfalfa being sheeped-off. Herbicide application active. Oats and sugarbeets in good condition. Early variety almonds about a week away from general bloom in the Sacramento Valley. Clear, dry week in lower San Joaquin citrus areas except for 2 nights of fog. Good pick week for Navels and lemons. California Desert lemons virtually done with as much as half the crop left on tree. Heavy lemon picking in southern coastal counties with downgrading due to wind scar. Artichoke light supply on Central Coast. Asparagus harvest slow and steady in Imperial, Coachella Valleys. Broccoli harvest 70% complete in Imperial, Coachella Valleys. Harvest

on Central Coast remains light. Cabbage and carrot harvest active Imperial, Coachella Valleys. Cauliflower harvest in progress along South Coast. Lettuce harvest 60% complete Imperial Valley. Spring crop looks good San Joaquin Valley. Spring melon planting underway in El Centro and Riverside. Tomato pre-plant activities progressing. Some processing tomato fields being planted. Strawberry picking began in Orange, San Diego Counties. Warmer weather improved grass growth. Winds dried muddy ranges. Supplemental feeding continues many northern areas. Movement bee colonies almond orchards starting.

COLORADO: Near normal temperatures and dry for last two days of January. Temperatures became progressively colder rest of week especially in eastern areas. Readings of 15 to 30° below zero were recorded in most areas of the State and many locations reached their lowest levels in several years. Occasional light snow fell during the last five days of the week.

FLORIDA: Mild temperatures prevailed with some rains at most places. The Panhandle had significant rain with 2.00 in. most places. Most of central, south had less than 0.50 in. Low temperatures were mostly 30's and 40's. Panhandle to 40's and 50's, north and mainly 60's, central, south. Highs were mostly 60's, 70's, north to 70's, low 80's central, south.

Soil moisture adequate to excessive Panhandle, adequate along eastern seaboard, short elsewhere. Fieldwork increasing but delayed by rain in Panhandle. Sugarcane harvest active. Wheat good condition. Other small grains improving. Both winter, permanent pastures responding to warmer temperatures. Peninsula pastures need additional rain to further stimulate growth. Condition of cattle, calves varies, but mostly fair to good. Damaged citrus trees have dropped their leaves, new growth and bloom buds progressing. New, tender growth vulnerable to frost or freeze should they arrive. Soil moisture less than adequate. Early and mid orange harvest active all areas. Warm days, mild nights prevailed in vegetable areas. Daytime highs in 70's, 80's; nighttime lows, 60's and 70's. Skies cloudy to partly cloudy with light to moderate showers. Winds light to moderate but gusty during showers. Total shipments increased 16% from previous week. Harvest gained Chinese cabbage, cucumbers, escarole, lettuce, okra, parsley, radishes, southern peas, squash, strawberries and tomatoes. Supplies about steady cabbage and peppers. Volume declined snap beans, carrots, cauliflower, celery, sweet corn, eggplant and potatoes. Strawberry harvest active. Increased supplies expected. Watermelon planting nearing completion in south, active in west central area. Early fields making good growth.

GEORGIA: Temperatures averaged 6 to 8° above normal extreme south and southeast, 2 to 4° above normal elsewhere. Rain light extreme southeast averaging 0.50 in. Heavy rain fell north and west with totals generally 3.00 to 5.00 in. Weekend of the 7th and 8th, rainfall light averaged less than 0.10 in. Temperatures near normal south and 5 to 10° below normal north.

Soil moisture mostly surplus. Light field activity again due to wet conditions. Spring land preparation only slight progress south little to none north. Small grains in fair condition, some stress due to cold weather. Tobacco plants in fair to mostly good condition. Pasture conditions fair. Cattle fair, hogs fair to mostly good.

HAWAII: Weather improved. More field activities throughout the crop areas. However, cool nights some higher elevations slowed crop progress. Rains light and scattered. Most spray programs back to normal. Vegetables: Heavy supply of head and Chinese cabbage will continue. Others generally light to moderate. Bananas: Supplies light. Papayas: Fair weather returning. Reduced disease incidence. Harvesting increasing. Pineapples: Light harvesting of fresh pine. Sugar: Very light harvest. Only few mills grinding. Pastures: Generally good.

IDAHO: Weather conditions for the first part of the week were generally mild, but the second half of the week saw temperatures plummet to record breaking lows. Lows of 20 to 30° below zero were common in the east while lows hovered near the zero mark in the north and southwest. Along with the low temperatures came a drying spell. Most precipitation was confined to the north.

Farm activities remained slow, but lambing and calving continued.

ILLINOIS: Temperatures 14 to 18° below normal throughout State; many new record lows set. Precipitation 0.11 to 0.55 in. most of State, heaviest eastern sections.

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

INDIANA: Severe winter storm early and at mid-period closed many highways and schools in central and north. Heavy rains on frozen soils flooded low lands in central and south. Temperatures averaged 12° below normal and ranged from 14° below to 41° above zero. Precipitation 0.20 to 0.70 in. Snow cover none to 2 in. south, 16 to 19 in. north.

Activities: Snow removal, hauling grain, clearing water lines, caring for livestock, and usual chores.

IOWA: Very cold with light to moderate precipitation that fell as snow on the 1st, 2nd and 4th, 5th. Temperatures averaged 15° or more subnormal, -25° at Cresco and -21° at Sibley the 4th. Snow depths 5 in. south to near 20 in. north central. Soil frost penetration 4 to 12 in. south and 1 to 2 ft. north but much deeper in snow bare and snow packed areas.

KANSAS: Temperatures averaged 21° southeast and 10 to 15° elsewhere, 10 to 20° below normal. Near record lows include 22° below zero at Goodland, 21° below zero at Topeka and Wichita. Snowfall 4 to 8 in. over State with water equivalents 0.50 in. to 1.00 in. northwest, 0.25 to 0.50 in. elsewhere.

Wheat condition good to excellent most areas, 4 to 6 in. snow cover provides protection from subzero temperatures. Soil moisture generally adequate. Snow-covered pastures and range necessitate increase supplemental feeding. Feed and forage supplies adequate. Bitter cold causing calving and lambing difficulty, losses up most areas.

KENTUCKY: High temperatures ranged from 66 to 40° with highs in most locations averaging mid-40's. Lows were below normal and ranged from mid-teens in southeast to near zero over northwest. Precipitation was widespread with amounts ranging from less than 0.20 to more than 0.66 in.

Soil mostly wet. Concern that extreme cold has damaged peach prospects. Concern for newborn calves in damp, cold. Most burley markets closed.

LOUISIANA: Rainfall 0.75 to 1.00 in. north and west. Near 2.00 in. south central and up 3.00 in. or more in east central and southeast. Temperatures 5 to 8° below normal south, 8 to 11° below normal north. Extremes: 21 and 65°.

Activities: Routine chores and caring for livestock. Severe damage reported on citrus crop as result of January freeze.

MARYLAND AND DELAWARE: Temperatures averaged 3° above normal. Highs averaged in the upper 40's to low 50's. Lows averaged in the mid 20's to low 30's. Woodstock received the greatest amount of precipitation at 1.97 in. and Snowhill received the least at 0.27 in. The remaining stations reported 1.06 in. Cloudy on 6th with a trace of precipitation. Highs in the low 40's with lows in the mid 20's. Sunny and clear on 7th with high temperatures in the upper 30's and lows in the teens.

MICHIGAN: Week started with a chill as temperatures averaged 3° below normal in the northwest Lower Peninsula to 11° below normal in the south central and southeast portions of the Lower Peninsula. Precipitation amounts were mostly light. The western Upper Peninsula received slightly over 1.00 in. of precipitation mostly from snow showers. By midweek about 5 in. of snow accumulated over the southeast Lower Peninsula which accounted for 1.00 in. of water equivalent moisture.

MINNESOTA: Another cold week. Temperatures averaged from 1° southeast to -13° north and were generally 13 to 18° below normal. Extremes: 24° at St. Cloud and -40° at International Falls. Precipitation generally less than 0.20 in., except 0.25 to 0.55 in. south central through east central. Snowfall generally less than 3 in., 3 to 7 in. south central to east central. Snow depth was 9 in. extreme west and generally 10 to 20 in. elsewhere, except 25 to 33 in. in portions of south central and east central and up to around 30 in. most of north central and northeast.

MISSISSIPPI: A relatively wet week with precipitation of some sort falling at one location or another every day of the week and temperatures were a little on the cool side as a result of cold Canadian air mass from the north. Temperatures ranged from 10° in Iuka to 69° in Jackson. The heavier rainfall amounts were 5.13 in. Poplarville, 4.25 in. Wiggins, 4.15 in. Hattiesburg, 3.81 in. Stoneville and 3.48 in. Biloxi.

Soil moisture adequate to surplus. Days suitable for fieldwork: 1.0. Hay and roughage supplies and grain supplies adequate. Wheat, pasture and livestock condition fair. Main farm activity was feeding livestock and farm machinery repair and maintenance.

MISSOURI: Temperatures remained on the cold side with all reporting stations below normal. Temperatures ranged from 4 to 20° below normal. Precipitation ranged up to 2.00 in. mainly in the form of snow. Precipitation was light over the northern half of the State and heavier in the southern half.

MONTANA: Precipitation light to moderate with most falling first of week. Temperatures fell well below zero both east and west of Divide. Most areas west of the Divide had coldest temperatures of the season. Minimums in some areas west of Divide fell as low as 48° below zero. Average temperatures ranged 13° below normal west of Divide to 22° below normal in the northeast. Highest 44° at Hardin, lowest 49° below zero at West Yellowstone.

Winter wheat condition fair to good. Snow cover generally good. Livestock condition generally good, grazing difficult. Extensive supplemental feeding of livestock with cold weather.

NEBRASKA: Temperatures: Bitterly cold, averaged 16 to 21° below normal. Precipitation: Widespread but light. Accumulative amounts ranged from traces to 0.75 in.

NEVADA: Mostly dry northerly air with temperatures cooling significantly latter part of week. What little precipitation fell occurred midweek. Temperatures for entire week well below normal all areas. Extremes: 65 and 28° below zero.

Caring for livestock major ranch activity. Colder weather hard on newborn calves and lambs.

NEW ENGLAND: Precipitation occurred across northern New England 5 out of 7 days, elsewhere 4 days. Mostly snow early then changeover to snow and mixtures with rain and sleet. Many reporting stations measured well over an inch of melted (or liquid) precipitation especially north and central portions. Few stations exceeded 2 in: 2.09 at Greenfield, MA; 2.36 at Peterboro, NH; 2.48 at Wilmington, VT; and 3.03 at Eastport, ME. Temperatures: Averaged about 4° above normal. Warmest days: 2nd, 4th with 57° at Providence, RI, and the 5th. Coldest nights 2nd, 5th and 6th with 9° below zero at Houlton, ME, and St. Johnsbury, VT on the 2nd and at Caribou on the 5th.

NEW JERSEY: Temperatures were near normal averaging 29° north, 34° south and 36° coastal. Extremes: 8° at Charlotteburg and Newton and 58° at Toms River, Hammonton and Pomona. Precipitation was above normal averaging 1.61 in. north, 1.26 in. south and 0.98 in. coastal. Heaviest 24-hour total: 1.53 in. at Canoe Brook.

Farmers caring for livestock and tending to other normal winter chores.

NEW MEXICO: Farm ranch activity interrupted midweek by snow storm throughout state except southwest quarter. Main activity supplemental livestock feeding and land preparation. Most crop conditions unchanged from last week. Lettuce in Mesilla Valley coming up to stand. Planting mid-season onions continuing. Pruning fruit and pecan trees active. Ranges remain fair to good condition. Covered by snow north. Calving and lambing continuing.

NEW YORK: Precipitation generally light except midweek. Freezing rain followed by warmer temperatures on 3rd produced some flooding in southeast. Temperatures generally subnormal west, slightly above normal east.

NORTH CAROLINA: Temperatures: Near normal in the west to 5° above normal in the east. Precipitation: Above normal in all localities.

Soil moisture: 46% adequate and 54% surplus. Fieldwork: 1.1 days suitable. Conditions: Wheat 4% poor, 47% fair, 49% good; oats 5% poor, 49% fair, 46% good; barley 3% poor, 45% fair, 52% good; rye 4% poor, 49% fair, 47% good. Supplies: Hay and roughage 10% short, 82% adequate, and 8% surplus; feed grains 6% short, 83% adequate, 11% surplus. Major farm activities: Cutting firewood, repairing equipment, and tending livestock.

NORTH DAKOTA: Weather continued unseasonably cold. Average temperatures ranged from 14 to 22° below normal. Extremes from -39° south central on 5th to 30° southwest on 1st and west central 7th. Precipitation varied from above normal southwest to below normal northeast. The north central division fell 0.90 in. below normal, while south central was 1.30 in. above normal. At week's end the greatest snow depth was 24 in. west central.

Extreme cold continued to limit farm activities. Care of livestock was the major chore. Demands on livestock feed supplies continue to be high. Snowfall was generally light, and most roads remained open. Movement of grain continues to be slow but increase in activity was seen. Farmers preparing tax returns, evaluating farm program and planning 1982 crops.

OHIO: Temperatures averaged 12 to 24° below normal northwest. Deviations less extreme elsewhere but lows into single digits almost everywhere. Snow cover sparse southeast. Snow depths of up to 15 in. northwest. Precipitation fairly light; averaged below normal except northwest received 0.25 to 0.50 in.

Winter wheat lacks snow cover except northwest; low temperatures and ice in low spots may cause some winterkill.

OKLAHOMA: Temperatures averaged from 14° below normal in the southeast to 23° below normal Pan-

handle. Precipitation varied from 0.04 in. north-east to 0.61 in. north central.

Scattered light rain continued improve topsoil moisture conditions. Wheat remains good to fair condition but should have sufficient moisture to make excellent growth when breaks dormancy. Cattle good condition.

OREGON: The wet mild weather of the previous week gave way to dryer, colder weather. Areas east of the Cascades began the week with highs of 40 to 50° and lows in the teens and low 20's, but by the weekend had dropped to below zero in several locations. The Willamette Valley and coastal regions had maximum temperatures in the low 50's and minimums in the 20's and low 30's. Precipitation ranged from 0.40 to 1.38 in. at the northern coast and northern Willamette Valley to 0.24 in. in the northeast. All southern areas recorded rainfall ranging from traces to less than 0.10 in.

Soil moisture supplies mostly adequate to surplus. Winter wheat condition mostly good. Fields in western portion of State in much better shape than last year, although growth behind; less disease expected due to colder weather. Some herbicide and fungicide being applied as weather permits. Grass seed fields mostly in good shape. Pruning in fruit orchards and trailing berries continuing. Livestock condition mostly good. Range and pastures fair to good. Feed supplies adequate to surplus.

PENNSYLVANIA: Generally fair but cold after freezing rain and rain 2nd and 3rd. Temperatures averaged near to several degrees below normal except extreme northwest where it was up to 7° below normal, but this was the mildest week Statewide since the end of December. Extremes: 51 and -3°. Precipitation totaled from 0.25 in. extreme west to 1.75 in. southeast where some small stream flooding resulted. Ice broke and started moving on the Susquehanna River 4th and 5th.

PUERTO RICO: Island average rainfall 1.60 in. or 0.90 in. above normal. Highest weekly total 5.51 in. Temperatures averaged about 77 to 76° on Coasts and 72 to 71° Interior Divisions. Extremes: 89 and 49°.

SOUTH CAROLINA: Rainfall above normal, highest amounts 2.00 to 4.00 in. fell in the northwest and mountains. Temperatures average above normal, highest readings were in the southern zone.

Farm activities were testing soils, applying lime, pruning trees, caring for livestock and repairing farm equipment.

SOUTH DAKOTA: Cold weather continues. Average temperatures ranged from 12 to 23° below normal. Extremes: -33 and 39°. Precipitation mostly below normal. Up to 0.22 in. in the southwest with only traces elsewhere. Total precipitation for the year varies from 0.79 in. above normal east central to 0.21 in. below normal northwest.

TENNESSEE: Most areas received rain or a mixture of rain, sleet and snow 5th and 6th. Amounts ranged between 0.50 and 2.00 in. with greater amounts falling in the east. Temperatures were well below normal in the west, near normal in central areas, and above normal in the east.

Farm chores and caring for livestock were the main farm activities.

TEXAS: Weather: Strong cold front early week brought colder weather which persisted 3rd, 4th, 5th with snow across Panhandle, freezing drizzle many areas even far south as Brownsville. Sunshine 6th, but clouds increased from south 7th. Temperatures much below normal. Rainfall below normal.

Crops: Land preparation spring planting continued where weather conditions permitted. Snow, ice, subfreezing temperatures halted most fieldwork Northern High Plains. Cotton gins High, Low

Plains work on modules. Many small grain fields suffer lack of moisture. Stands North, Central Texas improving after recent showers; warmer weather welcomed continued growth. Dryland wheat fields Northern High Plains deteriorate lack of moisture. Some fields turning yellow, brown, showing effects both moisture stress, rust damage. Scattered areas, producers taking cattle off wheat pastures. Subfreezing temperatures halted growth most wheat stands, many fields protected by layer ice, snow. Low Plains, fields top-dressed with nitrogen. Cross-Timbers, Blacklands, fields greening-up following recent showers. Reported wheat condition across State 68% of normal: 5% excellent; 30% good; 57% fair; and 8% poor.

Commercial vegetables: Rio Grande Valley harvest of cabbage, lettuce, carrots, broccoli, continued with good volumes. Onions progressing well, many fields nearing maturity. Planting of water-melons, green peppers getting underway. Citrus harvest picked up pace, demand good, prices steady. San Antonio-Winter Garden area harvesting activity good, cabbage, lettuce, carrots, spinach moving well. Irrigation continued despite some rain. Uvalde, spinach harvesting continued. Trans-Pecos region onions progressing well despite drying conditions. Land preparation continued as weather permitted.

Range and livestock: Range, pasture conditions decline, some relief received as snow, rain fell. Native pastures, small grains providing limited grazing. Supplemental feeding picked up. Hay supplies good, livestock condition generally good.

UTAH: A storm of light to moderate intensity moved across much of State mid-portion last week with another lighter storm over weekend. Accumulated amounts moisture variable ranging from little or none to nearly an inch. Average temperatures variable ranging from 2° above to 12° below normal.

Severe cold and continued snowfall causing livestock stress in northern areas. Some early lambings on small farm flocks. Marketing of apples, onions, and potatoes as needed.

VIRGINIA: A mild week with temperatures averaging in the 40's with departures up to 10° above normal. Extremes from the low teens in the north to around 70° in the southeast. Rainfall averaged about 1.50 in., falling mostly in last half of week.

Milder weather and rain produced some flooding in low-lying fields and caused some erosion in sloping fields. Fields remained soft most of the week and farmers were restricted to mainly indoor work. Topsoil moisture judged 38% adequate, 62% surplus. There was less than 1 day suitable for

fieldwork. Many farmers were working late in the week clearing mud from barns. Livestock mostly in good condition, some pigs, calves and lambs were lost but fewer than expected. Feed supplies generally adequate but usage was high during January. Some preparing to tap trees for maple syrup. Record keeping, tax preparation, planning and ordering supplies and attending educational meetings continued. Marketing of fire-cured tobacco continued in central areas.

WASHINGTON: West: Temperatures averaged from normal to 4° above. Colder temperatures arrived at week's end and through the weekend. Generally, precipitation was below normal except in Everett, Sequim, Coupeville, Bellingham, and Stampede which were above normal. Harvest of forced rhubarb continues. Pruning and tying of caneberrries ongoing. Christmas tree planting was also done. Growers readying themselves for spring planting activities. Hay supplies remain adequate.

East: Temperatures were normal to 3° above normal. Precipitation was below normal. The only precipitation was reported in Bickleton, Colville, and the southeast portion of State. Orchard and vineyard pruning continued. Some spring planting fertilization was done on a limited basis. Fall seeded grains continue in average condition although stands remain unprotected, increasing the chance of winter injury. Calving and lambing continues. Hay supplies remain adequate.

WEST VIRGINIA: Temperatures averaged above normal except in the northeast where they averaged near normal. High 72°, low 15°. Precipitation above normal especially in southern area.

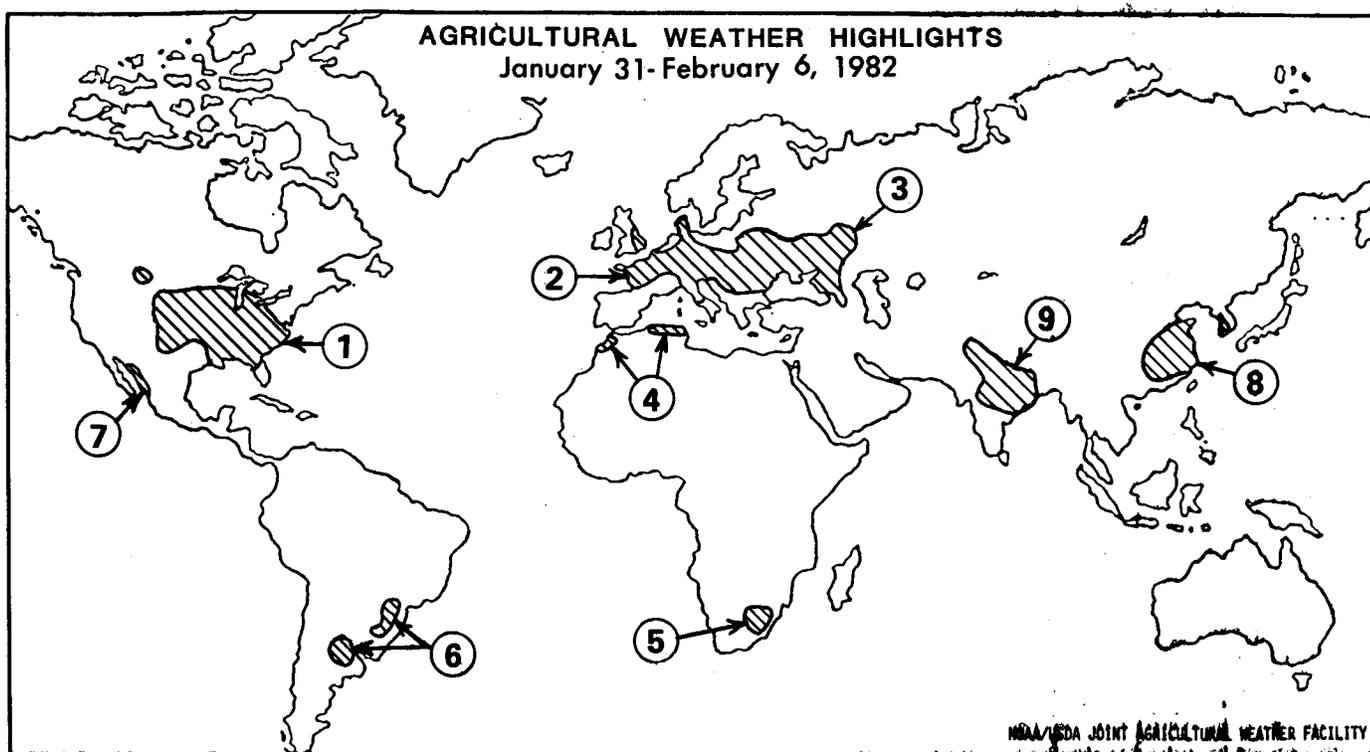
Soil moisture adequate. Days worked averaged 1.7. Hay short to adequate. Grain and other feeds adequate.

WISCONSIN: Week began with normal temperatures. Temperatures turned cooler by midweek and persisted through the weekend. The week's coldest temperature, a polar-like -42°, was recorded in Morse on the 3rd. Warm temperature, 33°, was recorded in Two Rivers on the 2nd. Northwestern areas received from 1 to 3 in. of snow early in the week while 1 to 2 in. fell in the southeast on the 5th.

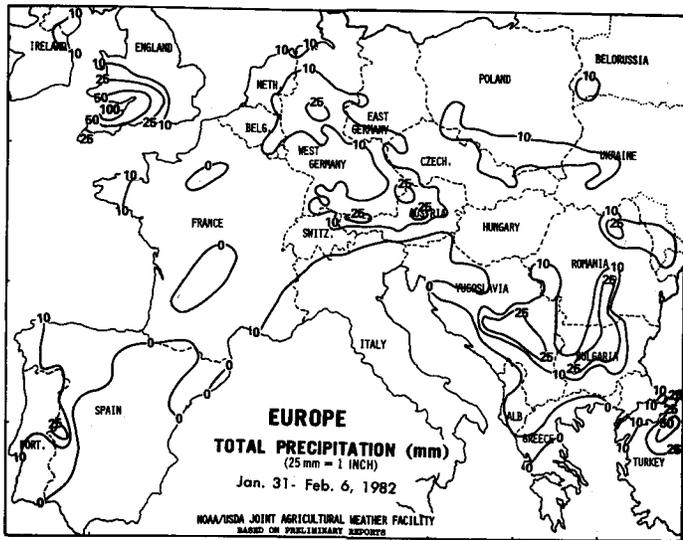
WYOMING: Cold week with average precipitation. All temperatures averaged below normal, large variation in temperatures; 43° below zero in Snake Drainage and 59° in Big Horn Drainage. All basins near normal moisture. Greatest amount 0.42 in.

Winter wheat mostly good condition. Livestock mostly good condition. Below normal temperatures, snow cover increased supplemental feeding. Hay supplies adequate most areas.

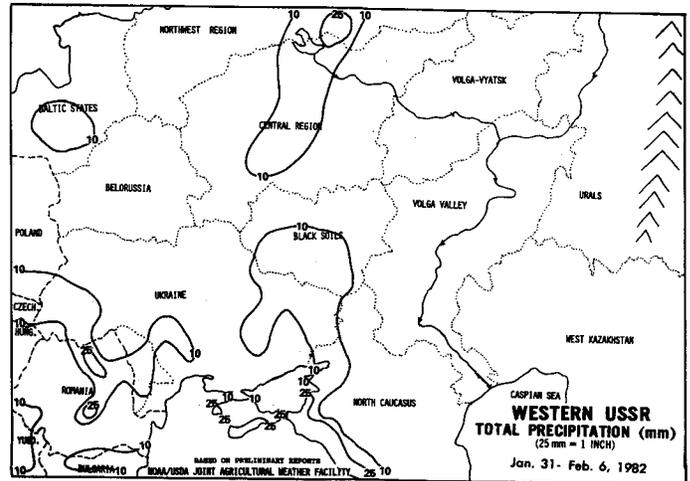
International Weather and Crop Summary



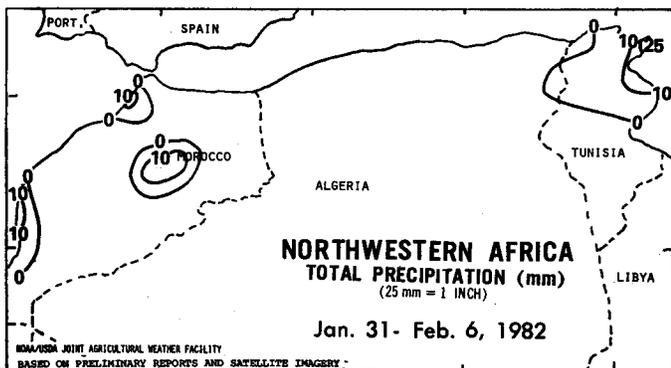
1. UNITED STATES: Snow, including new coverage over central Plains, protects most winter wheat against record cold but hampers livestock care. Wetness in Southeast delays fertilizing winter grains and preparing land for spring crops.
2. EUROPE: Generally drier weather over most winter grains.
3. WESTERN USSR: Continued dry and cold over major southern winter grain areas.
4. NORTHWESTERN AFRICA: Warm and dry weather favors winter grains in most areas.
5. SOUTH AFRICA: Slightly drier weather in the Maize Triangle; conditions unfavorably hot in the southwestern part.
6. SOUTH AMERICA: Widespread rains relieve crop stress and parched soils in southern Brazil; conditions generally favorable in Argentina.
7. MEXICO: Seasonably mild weather promotes winter vegetables and wheat along the West Coast.
8. EASTERN ASIA: Increasing precipitation; winter grains still dormant.
9. SOUTH ASIA: Continued widespread rains benefit winter grains in Pakistan and India.



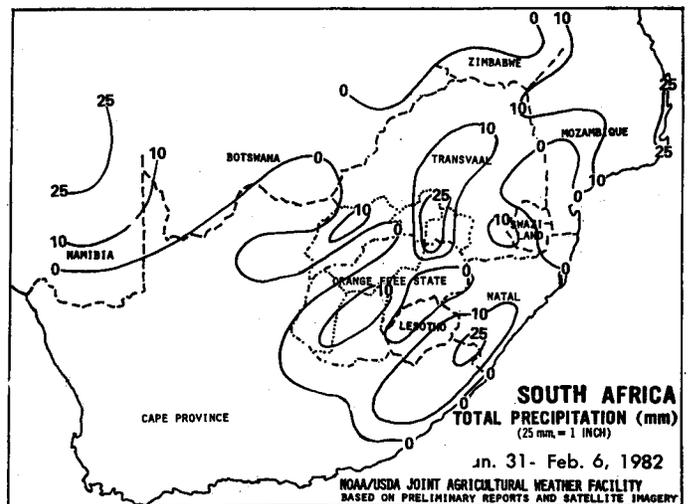
EUROPE: A drier weather pattern prevailed as high pressure dominated most of the region. The drier weather benefitted winter grains in France and central Europe. In contrast, additional moisture in Spain and Italy would be highly beneficial to the winter grain crop. Timely precipitation from 10 to 25 mm did occur over some southeastern winter grain areas increasing soil moisture. Temperatures were generally above normal in the west and below normal in the east.



WESTERN USSR: Only light precipitation continued to fall on southern winter grain areas of the Ukraine, southern Volga Valley, and North Caucasus. Generally drier weather occurred over the northern half of the region. Temperatures at week's end dropped to well below normal over the major winter grain areas of the Ukraine and North Caucasus. However, lowest temperatures were not sufficiently cold to produce winterkill.



NORTHWESTERN AFRICA: Mostly fair weather returned to the region. Some light rain persisted in northern Tunisia, but warmer-than-normal weather provided favorable growing conditions for winter grains there and in central and eastern Algeria. Most Moroccan winter grain areas had dry weather with temperatures just above normal. At week's end, a storm was approaching from the Atlantic, causing some rain along the coast.



SOUTH AFRICA: Rainfall generally decreased over the Maize Triangle. Most northern and eastern crop areas remained adequately moist, but dryness increased in the southwestern parts. Temperatures for the most part were only slightly above normal, but unfavorably hot weather continued in the southwest. Much of the corn should still be in the flowering stage, and was likely to be adversely affected in these minor production areas. Overall, conditions deteriorated slightly from the previous week.

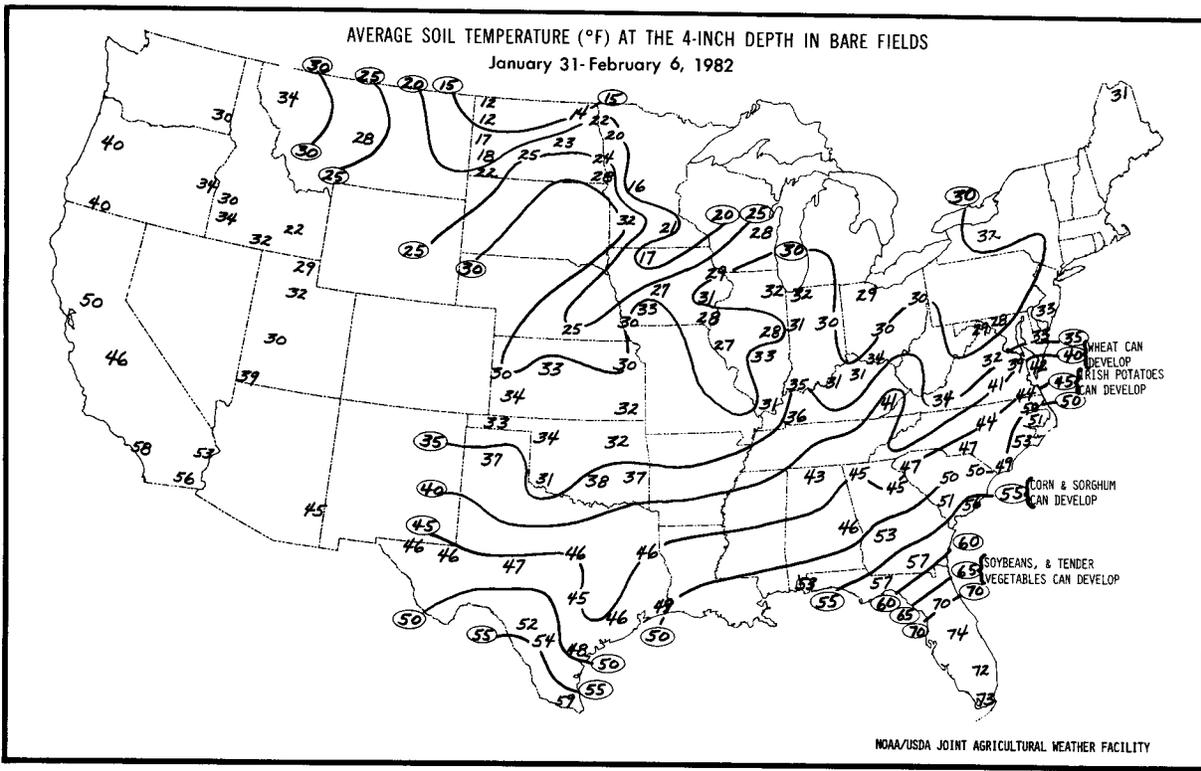
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