

WEEKLY WEATHER AND CROP BULLETIN

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

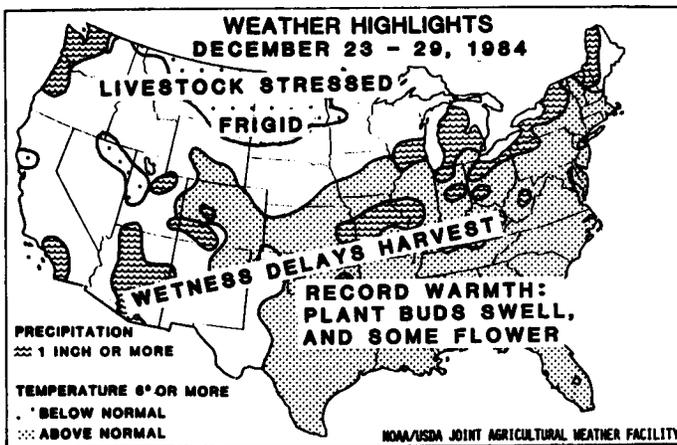
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National Weather Summary December 23 to 29



HIGHLIGHTS: Record-warm temperatures through the Midwest and the East Coast States brought many plants out of dormancy. Well over 100 cities reported record-high temperatures. In contrast, minimum temperatures dropped below zero from the northern Plains to Nebraska, the central Great Lakes, and through the Rockies. Precipitation covered the Southwest, the central Rockies, and from Texas through New England. There was no precipitation over much of the Southeast, the central Plains, and the central Plateau.

SUNDAY...Snow fell in the northern Rockies and from the southern part of the northern Plains into the central Great Lakes. Very light rain reached from southeastern Texas into the Tennessee Valley. Very cold air remained over the northern Plains, but warmer weather reached from the southern Plains through the Southeast.

MONDAY...Snow fell from the central Plains to the central Great Lakes region and rainshowers covered the area from the Mississippi Delta through the Ohio Valley to southern New England. The cold air pushed southward through the central Plains, but the warm air reached record heights in the Southeast.

TUESDAY...Christmas morning was white from the central and northern Plateau across the northern Plains, including Nebraska and Iowa, to the Great Lakes, northern New York, and New England. Freezing temperatures pushed southward into Texas, the Tennessee Valley, and to the Appalachians. Subzero temperatures covered the northern Plains and the

western Great Lakes region including Iowa. Light rain covered southern Texas and snowshowers fell in parts of Kansas, Missouri, and Iowa.

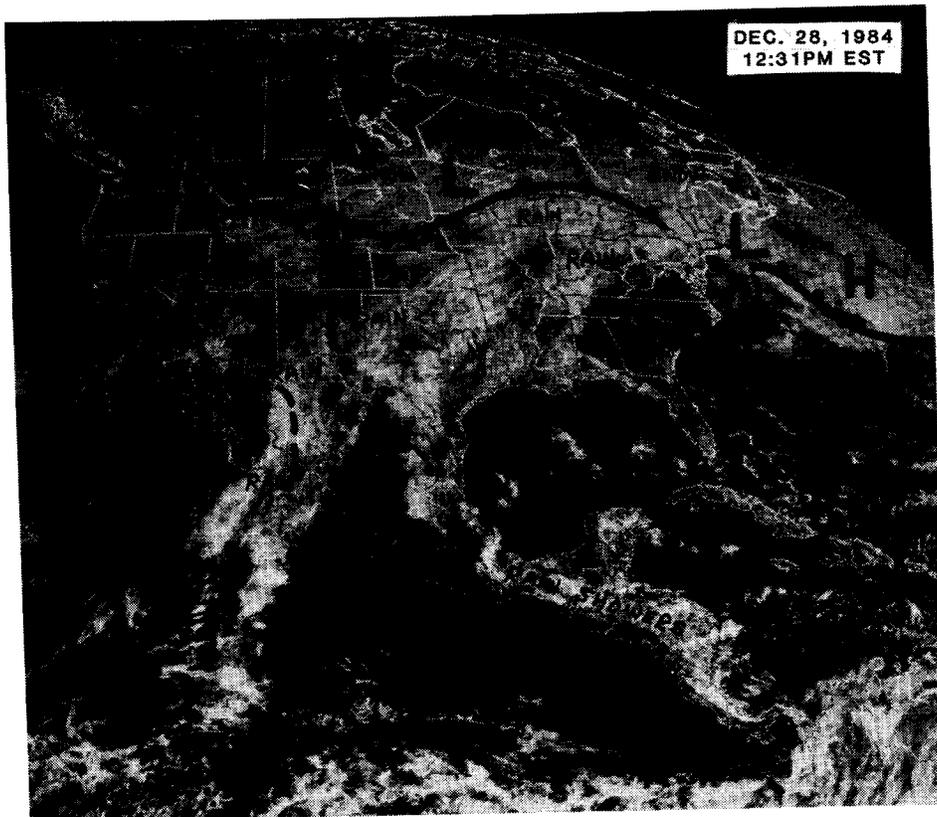
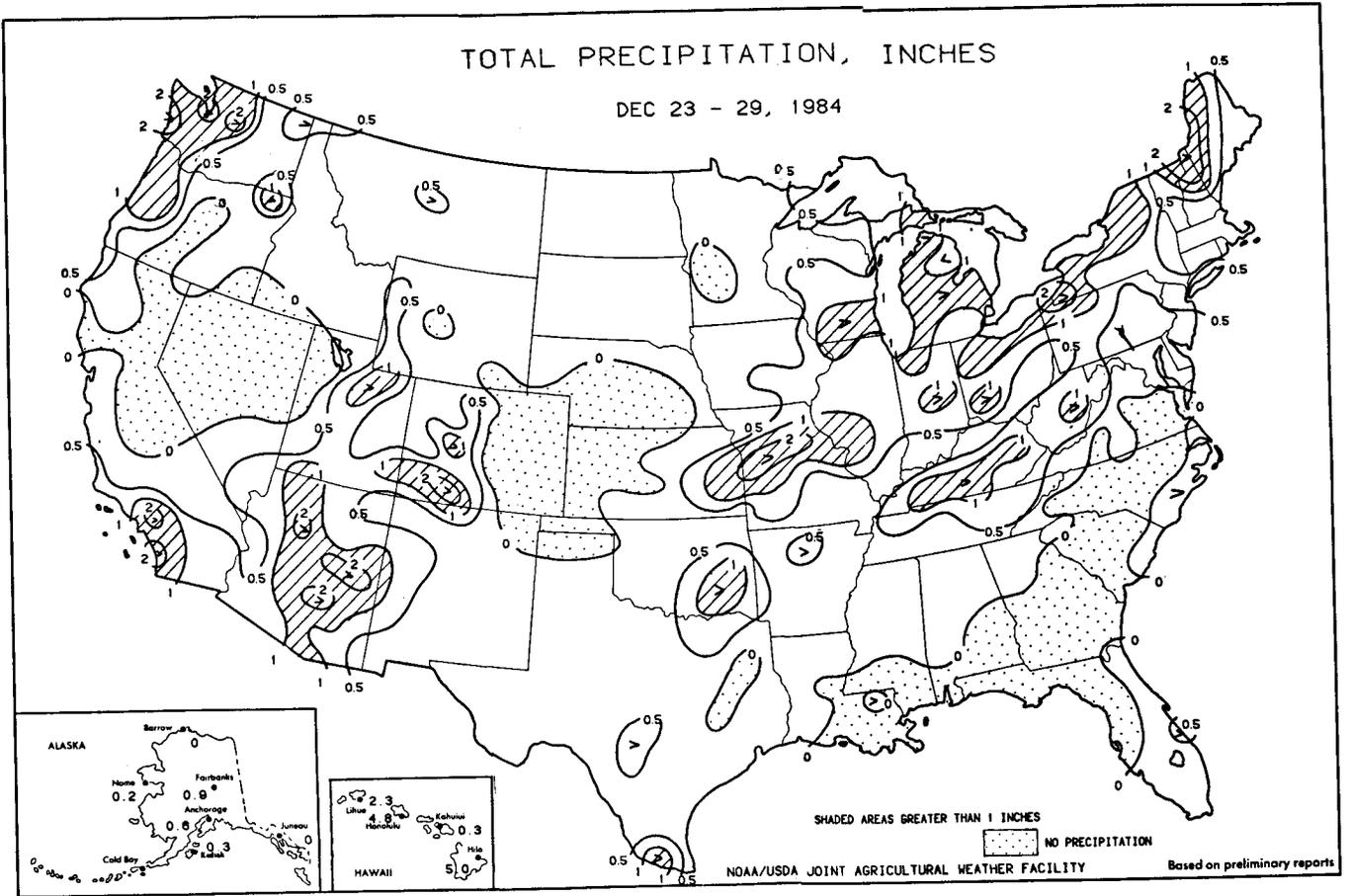
WEDNESDAY...Rain fell along much of the Pacific coast; snow covered the mountain areas. Rain also pushed into the Southwest with extensive snow at the higher elevations. Drizzle fell in much of Texas, while a mixture of snow and freezing drizzle fell from Iowa into the Lakes and snow covered much of the Northeast. After a freezing night as far south as Texas, northern Mississippi, Alabama, and North Carolina, warm air began to push northward through the South and up the East Coast.

THURSDAY...Showers covered the Southwest and heavy snow covered the higher elevation there and in the central Rockies. Light precipitation fell from Texas to the western Great Lakes, through the Ohio Valley to the mid-Atlantic States, and the Northeast. Snow covered the ground from Pennsylvania to New England. Much warmer air pushed to the central Plains, the central Great Lakes, and the mid-Atlantic area.

FRIDAY...Record-warm temperatures reached from the southern Plains to the Great Lakes and to the mid-Atlantic area while subzero temperatures covered parts of the northern Plains. Rainshowers covered Arizona and New Mexico, from Texas to the Great Lakes, and the Northeast. Snow fell across the northern Plains and parts of the Northeast.

SATURDAY...Very warm weather continued from Texas to the southern Great Lakes and much of New England. Over 100 cities had record-high temperatures. In contrast, subzero temperatures covered most of the northern Plains and pushed into the western Great Lakes. Rainshowers fell from Texas to the Great Lakes and into New England.

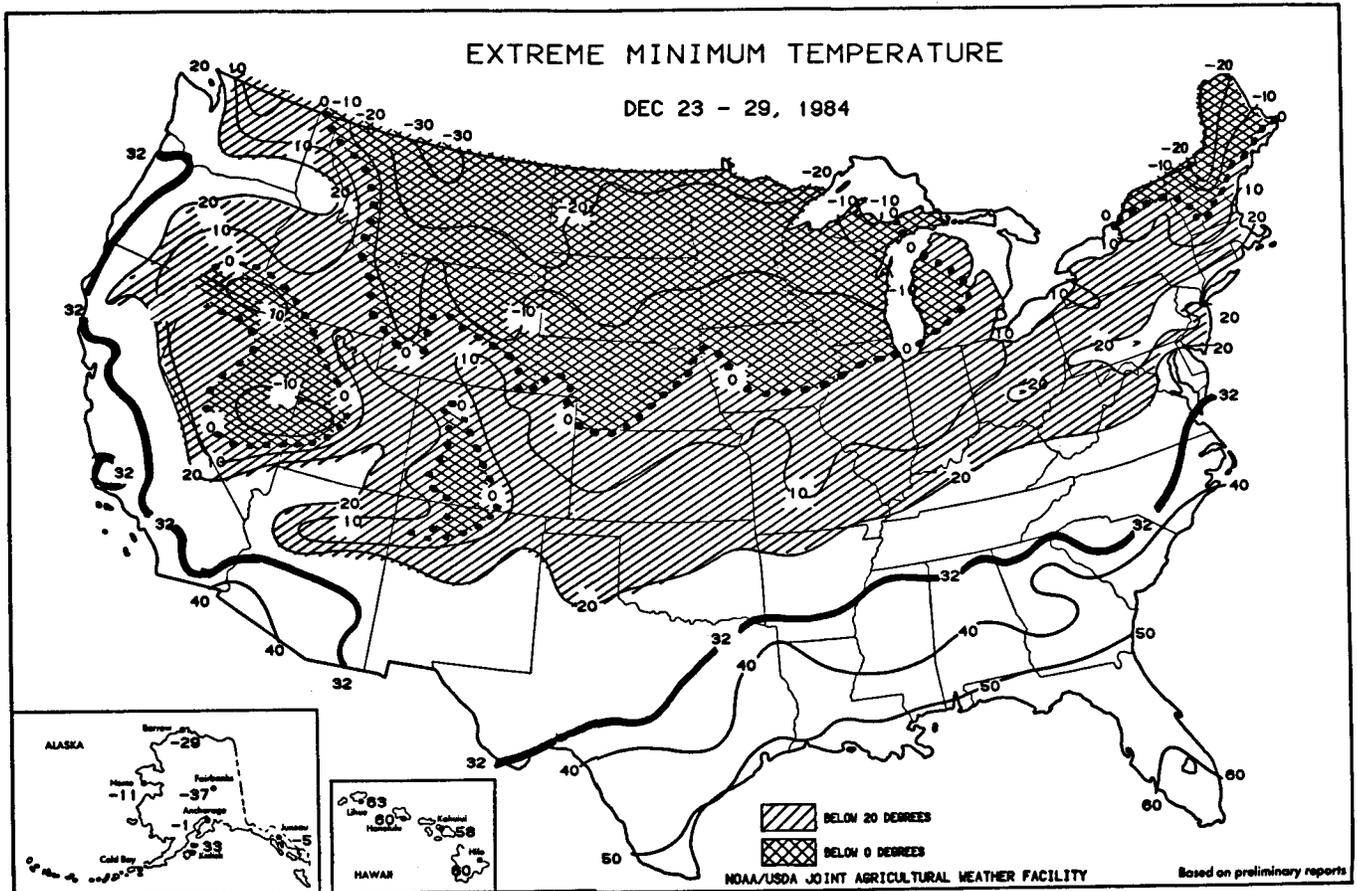
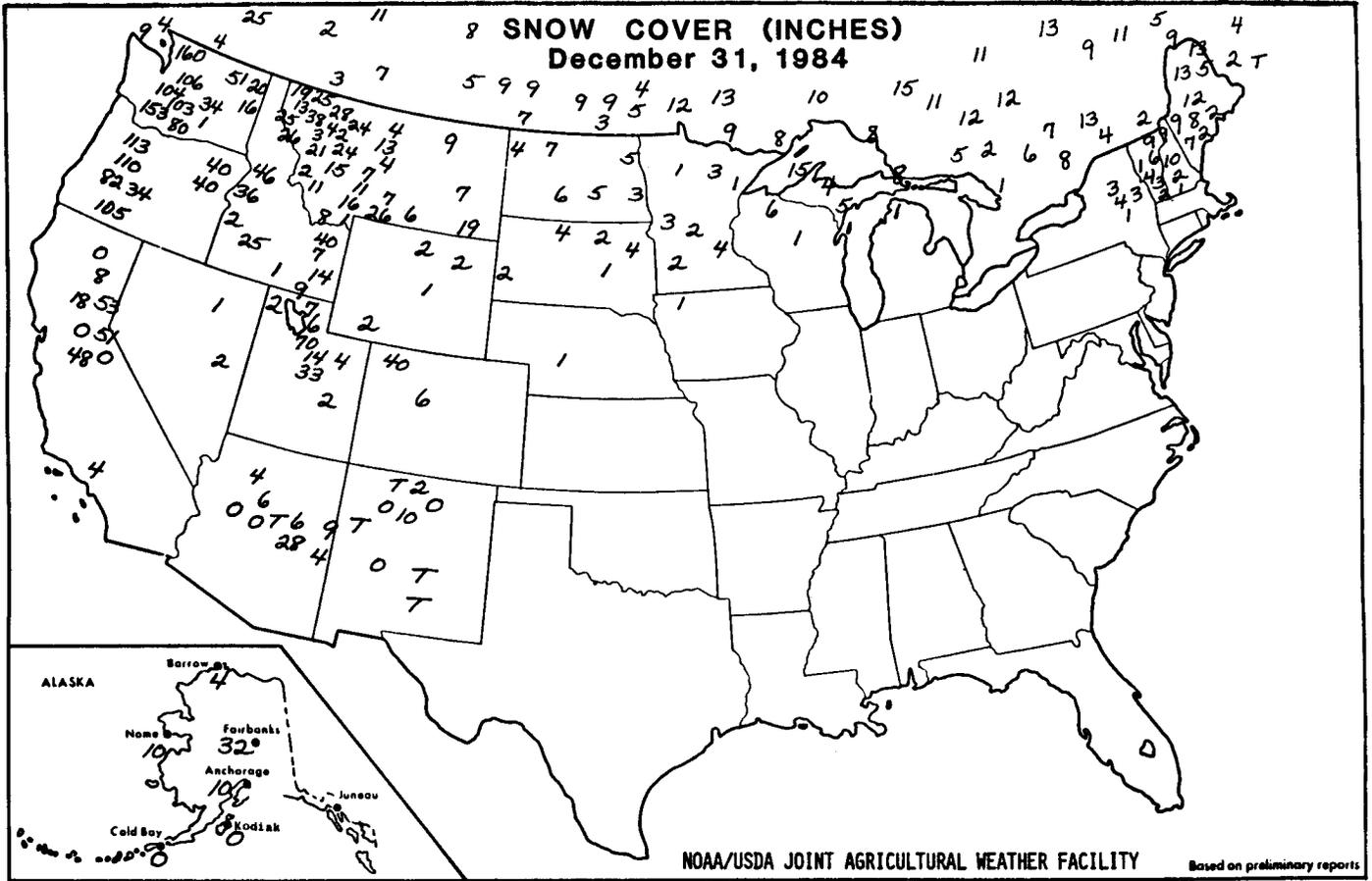
Contents	Page
National Weather Summary	1
Precipitation & North America Satellite Photo.	2
Snow Cover & Extreme Minimum Temperature	3
Average Temperature & Departure	4
Weather Data for Selected Cities	5
Heating Degree Days Table	8
Heating Degree Days Maps	9
National Agricultural Summary	10
State Summaries of Weather & Agriculture	11
Global Weather Satellite Photo	15
International Weather & Crop Summary	16
1984 Index of Regular Features	19
Subscription & Mailing Permit Information	20

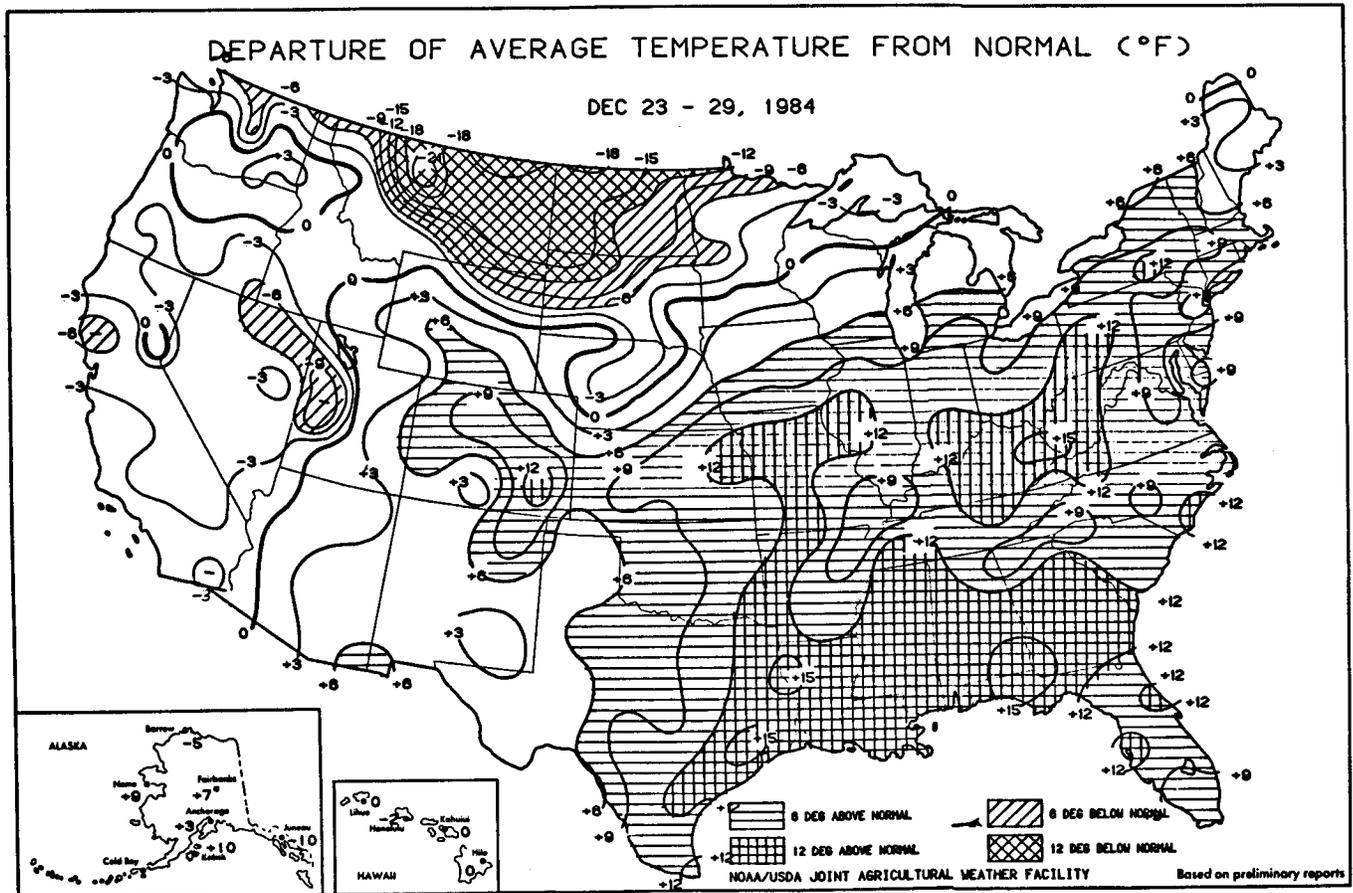
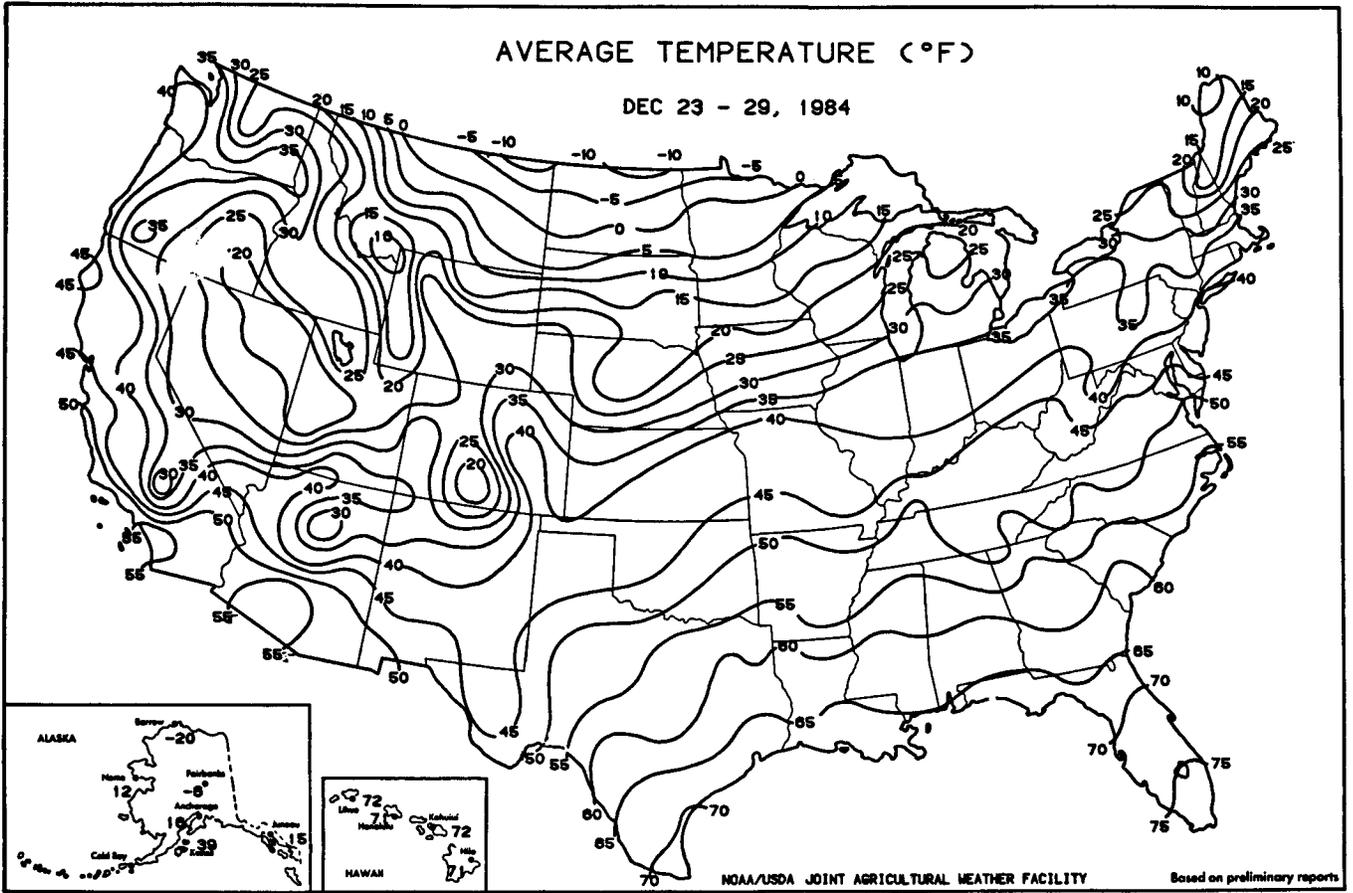


RAIN WETS A LARGE AREA FROM THE SOUTHWEST TO NEW ENGLAND, WHILE SNOW AND FRIGID AIR COVER THE NORTHERN TIER OF STATES.

RECORD WARMTH AND ABUNDANT SUNSHINE BLANKET MOST OF THE SOUTHEASTERN THIRD OF THE NATION.

RAINSHOWERS DOT CENTRAL AMERICA AND WESTERN PARTS OF MEXICO.





Weather Data for the Week Ending December 29, 1984

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 DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	70	44	75	33	57	13	.1	-1.1	.1	2.5	54	46.0	85	89	52	0	0	3	0	
MOBILE	72	55	76	48	63	12	T	-1.2	T	2.1	41	53.7	83	89	52	0	0	0	0	
MONTGOMERY	73	49	82	41	61	13	T	-1.1	T	4.5	101	53.6	109	87	50	0	0	0	0	
AK ANCHORAGE	22	9	38	-1	16	3	.6	.4	.4	1.1	104	14.9	98	99	79	0	0	3	0	
BARRON	-15	-24	-7	-29	-20	-5	T	-1	T	.1	50	4.0	85	86	71	0	0	7	0	
FAIRBANKS	1	-14	16	-37	-6	7	.9	.8	.5	3.2	468	12.3	118	84	73	0	0	4	1	
JUNEAU	21	9	32	-5	15	-10	T	-1.0	T	0	45.0	86	91	57	0	0	7	0		
KODIAK	43	36	46	33	39	10	.3	-1.3	.3	3.6	61	66.3	90	70	46	0	0	1	0	
NOME	20	5	28	-11	12	9	.2	0	.1	.8	138	14.4	97	84	62	0	0	7	0	
AZ PHOENIX	63	46	70	38	55	3	1.5	1.2	1.1	2.9	376	14.9	210	89	46	0	0	3	1	
PRESCOTT	47	29	52	19	38	2	1.4	1.0	1.0	3.1	198	16.4	87	90	59	0	0	5	1	
TUCSON	64	43	74	35	54	3	.9	.7	.8	3.3	370	15.5	140	85	37	0	0	2	3	
YUMA	60	47	68	44	54	-1	.6	.5	.5	1.4	448	6.1	234	73	50	0	0	0	3	
AR FORT SMITH	62	40	77	25	51	12	.4	-2	.4	5.5	205	52.3	131	88	55	0	0	1	0	
LITTLE ROCK	60	40	75	23	50	10	T	-1.8	T	4.3	114	58.1	126	89	69	0	0	2	0	
CA BAKERSFIELD	48	38	57	34	43	-4	T	-2	T	.7	108	2.9	51	95	70	0	0	0	0	
EUREKA	53	39	55	35	46	-1	.5	-1	.2	4.2	72	40.4	105	93	70	0	0	4	0	
FRESNO	46	38	52	32	42	-2	0	-4	0	2.0	132	6.8	65	90	73	0	0	1	0	
LOS ANGELES	63	48	70	42	55	-1	.8	.4	.5	4.2	280	7.8	65	89	48	0	0	3	0	
RED BLUFF	50	34	61	28	42	-3	T	-1	T	2.0	59	15.4	72	94	52	0	0	2	0	
SACRAMENTO	45	35	54	30	40	-4	0	-8	0	1.2	44	8.8	52	94	75	0	0	1	0	
SAN DIEGO	62	49	65	44	55	-1	1.7	1.3	1.6	4.6	363	8.6	92	88	60	0	0	2	1	
SAN FRANCISCO	49	38	52	34	43	-5	.2	-1	.2	1.9	56	14.1	72	96	77	0	0	1	0	
CO DENVER	52	24	61	13	38	7	T	-1	T	.4	67	16.4	107	79	25	0	0	5	0	
GRAND JUNCTION	40	25	48	17	33	7	.1	0	.1	.4	74	11.4	143	85	57	0	0	5	0	
PUEBLO	56	25	67	15	41	10	T	-1	T	.4	131	16.0	147	80	30	0	0	6	0	
CT BRIDGEPORT	44	31	58	23	37	6	.1	-1	.1	2.4	69	42.5	103	82	59	0	0	5	0	
HARTFORD	47	24	74	15	36	10	.2	-1	.1	2.5	64	42.6	96	80	48	0	0	6	0	
DC WASHINGTON	57	35	75	26	46	10	T	-1	T	1.2	39	38.0	98	81	40	0	0	3	0	
FL APALACHICOLA	74	58	79	53	66	12	0	-1	0	.3	9	55.7	102	92	66	0	0	0	0	
DAYTONA BEACH	80	59	83	53	70	12	.1	-1	.1	.2	9	46.8	97	90	58	0	0	2	1	
JACKSONVILLE	77	55	81	53	66	12	T	-1	T	.1	5	48.9	93	99	60	0	0	0	0	
KEY WEST	79	73	80	68	76	6	T	-1	T	.1	6	39.4	100	75	62	0	0	1	0	
MIAMI	82	68	92	61	75	8	.5	0	.2	.7	40	60.1	105	88	52	1	0	3	0	
ORLANDO	81	60	84	54	71	10	T	-1	T	.2	10	44.3	93	100	53	0	0	1	0	
TALLAHASSEE	79	55	80	52	67	15	T	-1	T	1.4	33	56.4	88	98	53	0	0	0	0	
TAMPA	83	62	85	55	72	12	T	-1	T	.1	3	32.3	69	95	46	0	0	0	0	
WEST PALM BEACH	80	70	81	58	75	9	T	-1	T	.1	5	69.0	116	82	60	0	0	1	0	
GA ATLANTA	66	44	74	40	55	12	T	-1	T	3.7	92	55.4	114	84	49	0	0	1	0	
AUGUSTA	72	45	80	39	59	13	0	-1	0	1.3	42	44.3	103	92	45	0	0	0	0	
MACON	71	46	80	38	59	11	0	-1	0	2.0	53	44.0	99	95	51	0	0	0	0	
SAVANNAH	75	52	81	49	63	14	0	-1	0	.1	5	50.4	102	92	47	0	0	0	0	
HI HILO	78	65	81	60	71	0	5.0	2.6	2.0	11.5	96	98.6	77	90	68	0	0	7	3	
HONOLULU	79	64	82	60	71	-2	4.8	4.1	4.3	5.5	171	17.2	73	91	62	0	0	4	1	
KAHULUI	80	64	85	58	72	0	.3	-1	.2	.3	13	8.3	42	88	57	0	0	2	0	
LIHUE	77	66	80	63	72	0	2.3	1.0	1.1	4.1	80	27.5	63	85	60	0	0	4	2	
ID BOISE	36	19	40	11	27	-3	.1	-1	0	.6	44	13.0	111	86	54	0	0	7	0	
LEMISTON	41	31	46	27	36	3	.1	-1	.1	.5	40	10.7	84	80	53	0	0	5	0	
POCATELLO	35	19	41	2	27	3	T	-1	T	.5	58	13.1	121	80	59	0	0	7	2	
IL CHICAGO	43	20	69	-3	32	8	.6	.2	.2	2.2	110	32.9	99	93	63	0	0	6	0	
MOLINE	45	22	67	-1	34	11	.7	.3	.3	2.8	156	38.7	104	85	62	0	0	5	0	
PEORIA	47	25	70	2	36	12	.7	.3	.6	2.9	153	39.8	114	92	64	0	0	5	1	
QUINCY	50	28	70	7	35	13	1.0	.7	1.0	3.3	202	39.5	105	89	61	0	0	5	2	
ROCKFORD	41	16	66	-7	29	6	.9	.5	.5	2.6	142	32.7	88	94	69	0	0	6	4	
SPRINGFIELD	50	28	74	4	39	12	1.2	.8	1.2	2.7	141	41.4	123	88	61	0	0	4	1	
IN EVANSVILLE	54	34	70	15	44	11	.1	-1	.1	4.1	125	47.8	115	84	54	0	0	4	1	
FORT WAYNE	45	27	65	6	36	10	.9	.4	.6	2.9	124	31.1	91	86	65	0	0	5	1	
INDIANAPOLIS	49	29	65	7	39	11	1.4	.7	1.3	3.8	136	41.7	107	85	55	0	0	4	3	
SOUTH BEND	46	25	66	4	35	10	1.1	.5	.8	3.9	141	34.0	89	86	63	0	0	4	1	
IA DES MOINES	41	17	69	-5	29	7	.7	.4	.5	2.2	222	41.0	133	94	66	0	0	5	3	
SIoux CITY	32	14	51	1	23	4	T	-1	T	1.4	197	34.0	134	83	65	0	0	7	0	
WATERLOO	35	15	62	-3	25	8	.2	0	.2	1.1	101	33.4	101	89	71	0	0	6	1	
KS CONCORDIA	48	28	68	9	38	10	T	-1	T	3.0	457	28.1	104	97	71	0	0	5	0	
DODGE CITY	52	29	68	12	40	9	T	-1	T	2.4	492	18.9	91	88	60	0	0	5	1	
GOODLAND	44	21	65	2	33	4	T	-1	T	.6	161	21.1	129	91	57	0	0	6	0	
TOPEKA	53	33	73	13	43	14	.3	0	.2	1.8	150	37.6	113	86	62	0	0	4	2	
WICHITA	52	33	70	15	42	11	.2	0	.2	3.9	414	27.8	97	94	69	0	0	4	1	
KY BOWLING GREEN	58	38	68	22	48	12	1.2	.1	1.2	4.1	98	59.4	121	94	61	0	0	4	1	
LEXINGTON	54	37	68	19	46	12	.3	-1	.3	4.2	119	41.7	91	85	56	0	0	4	1	
LOUISVILLE	55	38	69	17	47	12	.1	-1	.1	4.6	142	46.6	107	85	50	0	0	4	0	
LA ALEXANDRIA	71	54	78	43	63	12	T	-1	T	1.8	38	64.5	118	89	63	0	0	1	0	
BATON ROUGE	73	57	79	48	65	13	T	-1	T	2.3	48	49.7	89	91	58	0	0	1	0	
LAKE CHARLES	73	58	79	47	65	13	.1	-1	.1	3.9	81	61.8	117	99	72	0	0	0	0	
NEW ORLEANS	74	58	80	52	66	13	0	-1	0	1.8	36	51.2	86	94	62	0	0	0	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending December 29, 1984

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 DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	70	53	80	42	62	15	.1	-.8	.4	2.3	63	47.8	109	89	57	0	0	1	0
ME CARIBOU	21	0	35	-21	11	-1	.5	-.2	.4	2.7	93	34.9	96	90	55	0	7	2	0
PORTLAND	39	16	56	-1	28	5	.2	-.8	.1	3.4	82	48.1	111	83	48	0	7	2	0
MD BALTIMORE	56	32	77	19	44	10	T	-.8	T	1.2	39	36.3	87	72	35	0	4	1	0
SALISBURY	57	30	73	17	43	7	T	-.8	T	1.5	42	41.5	92	92	45	0	5	3	0
MA BOSTON	47	27	73	13	37	6	T	-.8	T	2.9	70	50.2	115	84	43	0	5	3	0
CHATHAM	46	31	53	22	39	6	T	-.9	.1	3.1	66	49.1	105	81	41	0	3	3	0
MI ALPENA	33	15	57	1	24	4	T	.4	.4	2.0	111	30.3	106	98	77	0	5	5	0
DETROIT	44	22	64	3	33	8	T	.8	.3	2.4	101	26.1	85	86	56	0	5	5	0
FLINT	42	22	63	1	32	8	1.4	1.0	.7	3.2	170	29.5	101	86	68	0	5	5	1
GRAND RAPIDS	42	23	65	7	32	8	1.6	1.1	.6	4.0	165	28.3	83	97	74	0	5	6	1
HOUGHTON LAKE	31	15	56	-2	23	3	.8	.4	.4	1.9	108	27.3	98	89	66	0	7	5	0
LANSING	40	19	62	-2	30	6	1.6	1.2	1.0	3.5	167	28.7	97	94	70	0	5	5	1
MARQUETTE	21	4	38	-13	12	-2	.3	-.2	.2	2.6	112	32.3	87	96	71	0	7	4	0
MUSKEGON	38	24	55	10	31	6	1.6	1.0	.8	4.2	172	29.6	95	89	73	0	6	7	1
SAULT STE. MARIE	21	5	39	-7	13	-3	1.2	.7	.9	5.0	206	34.7	104	93	61	0	7	6	1
MN ALEXANDRIA	13	-4	32	-11	5	-5	T	-.2	T	.8	120	31.9	130	87	54	0	7	0	0
DULUTH	16	-1	33	-12	8	-2	.2	-.1	.2	1.9	158	27.1	92	81	53	0	7	2	0
INT'L FALLS	5	-15	24	-28	-5	-10	.3	.1	.3	1.3	149	20.9	86	82	61	0	7	1	0
MINNEAPOLIS	23	5	42	-9	14	-1	.2	0	.1	1.9	238	36.4	138	81	55	0	7	4	0
ROCHESTER	27	10	51	-5	18	4	.3	.2	.2	1.7	219	28.0	99	93	75	0	7	4	0
MS GREENWOOD	68	48	77	36	58	13	T	1.2	T	.5	9	50.4	95	96	55	0	0	1	0
JACKSON	72	50	79	36	61	14	T	1.2	T	1.5	29	49.0	93	99	58	0	0	0	0
MERIDIAN	71	50	77	36	60	14	.1	-.1	.1	2.8	52	52.7	99	95	57	0	0	2	0
MO CAPE GIRARDEAU	54	35	70	18	45	13	.1	-.7	.1	4.9	139	47.6	107	96	69	0	4	1	0
COLUMBIA	54	31	71	9	42	13	1.9	1.5	1.9	3.2	172	48.8	136	90	57	0	5	2	1
KANSAS CITY	51	31	69	9	41	12	.3	0	.2	2.7	212	37.8	108	96	67	0	5	3	0
SAINT LOUIS	55	32	73	12	44	12	1.4	1.0	1.4	3.0	143	49.8	147	88	49	0	4	1	0
SPRINGFIELD	57	34	69	13	46	12	1.0	.5	1.0	5.1	212	43.8	111	85	56	0	4	1	1
MT BILLINGS	28	-2	39	-14	13	-11	.4	.2	.4	.8	112	10.4	69	93	53	0	7	2	0
GLASGOW	2	-13	11	-23	-6	-19	.3	.2	.2	.5	141	6.6	57	75	59	0	7	5	0
GREAT FALLS	11	-9	35	-25	1	-21	.5	.3	.4	1.1	148	12.0	79	84	55	0	7	4	0
HAVRE	5	-10	26	-32	-2	-18	.1	-.1	0	.2	35	6.4	57	76	57	0	7	3	0
HELENA	17	-6	37	-16	6	-15	.2	-.1	.1	.4	65	9.1	80	98	73	0	7	3	0
KALISPELL	26	7	34	-12	17	-5	.3	-.1	.2	1.1	71	16.0	101	82	64	0	7	6	0
MILES CITY	-9	-8	17	-20	1	-17	.2	-.1	.2	.5	89	8.3	59	85	61	0	7	2	0
MISSOULA	31	17	37	13	24	2	.2	-.1	.1	.6	56	13.2	100	94	68	0	7	4	0
NE GRAND ISLAND	37	17	60	2	27	4	T	-.1	T	1.3	215	31.6	136	82	61	0	7	0	0
LINCOLN	41	17	66	4	29	6	T	-.1	T	3.4	547	36.5	157	93	63	0	7	0	0
NORFOLK	32	12	52	-2	22	2	.1	-.1	.1	1.1	190	33.8	142	93	73	0	7	1	0
NORTH PLATTE	31	8	43	-3	19	-4	T	-.1	T	.7	180	21.1	108	93	60	0	7	0	0
OMAHA	38	18	65	1	28	6	T	-.1	T	4.4	621	37.9	127	85	69	0	6	2	0
SCOTTSSBLUFF	45	10	60	-1	27	2	.1	0	.1	.4	77	12.8	88	84	39	0	7	1	0
VALENTINE	35	6	55	-9	21	0	T	-.1	T	0	19.0	111	81	50	0	7	0	0	
NV ELY	38	8	41	-10	23	-1	T	-.2	T	.8	107	14.8	164	90	60	0	7	0	0
LAS VEGAS	53	35	57	28	44	0	.7	.6	.6	1.7	583	6.9	164	91	51	0	4	2	1
RENO	43	13	47	10	28	-3	0	-.3	0	.1	6	4.3	57	98	44	0	7	0	0
WINNEMUCCA	39	10	45	5	25	-4	T	-.2	T	.3	41	12.7	163	99	51	0	7	0	0
NH CONCORD	38	15	65	4	27	6	.1	-.6	0	2.7	83	42.3	117	93	51	0	6	2	0
NJ ATLANTIC CITY	55	31	75	19	43	10	.1	-.7	.1	1.7	51	39.5	94	81	38	0	4	3	0
NM ALBUQUERQUE	49	30	54	19	39	5	.4	.2	.2	1.4	272	12.3	152	96	50	0	4	3	0
CLOVIS	51	33	61	25	42	4	.3	.1	.3	1.3	222	25.2	147	88	55	0	4	1	0
ROSWELL	53	33	63	26	43	2	T	0	T	.8	311	18.2	188	92	53	0	3	1	0
NY ALBANY	43	23	71	9	33	10	.1	-.5	.1	2.5	88	36.8	103	87	53	0	6	4	0
BINGHAMTON	44	25	65	15	35	11	.9	.3	.4	2.9	104	39.4	107	87	53	0	5	4	0
BUFFALO	44	26	61	13	35	9	1.7	.9	1.1	3.4	107	37.1	100	84	57	0	5	5	1
NEW YORK	49	34	68	26	41	8	.5	-.2	.4	2.4	70	50.4	118	81	47	0	4	4	0
ROCHESTER	45	26	63	16	35	9	1.4	.8	1.0	3.2	131	33.6	108	83	55	0	5	5	1
SYRACUSE	43	23	65	13	33	8	1.7	1.0	1.2	4.3	142	37.6	96	93	58	0	6	6	1
NC ASHEVILLE	61	31	74	24	46	8	T	-.8	T	1.3	41	45.7	96	98	40	0	4	0	0
CHARLOTTE	63	39	74	29	51	10	0	-.8	0	2.4	75	45.0	105	83	44	0	2	0	0
GREENSBORO	60	35	74	26	48	10	T	-.8	T	1.9	60	50.4	119	78	37	0	4	0	0
HATTERAS	64	52	71	48	58	11	.4	-.4	.4	1.5	37	45.0	81	95	62	0	0	1	0
NEW BERN	65	44	77	37	54	9	.1	-.8	.1	1.2	36	59.4	112	84	51	0	0	1	0
RALEIGH	63	37	76	26	50	10	0	-.7	0	2.3	79	46.2	111	84	38	0	3	0	0
WILMINGTON	68	50	80	42	59	13	.3	-.5	.3	1.3	41	57.6	108	89	45	0	0	1	0
ND BISMARCK	8	-7	19	-16	0	-11	.1	0	.1	.4	83	14.7	96	83	57	0	7	3	0
FARGO	10	-3	29	-11	3	-5	.1	-.1	0	.9	150	20.1	103	78	54	0	7	2	0
GRAND FORKS	7	-7	25	-13	0	-6	.2	0	.2	1.2	202	20.7	113	71	50	0	7	2	0
WILLISTON	1	-13	8	-24	-6	-18	.1	0	.1	.3	52	10.6	76	82	55	0	7	3	0
OH AKRON-CANTON	46	28	65	12	37	10	.7	.1	.6	2.5	99	35.2	98	86	55	0	5	5	1
CINCINNATI	52	34	67	13	43	12	.7	0	.6	3.7	131	41.3	103	83	52	0	4	2	1
CLEVELAND	46	28	66	14	37	9	1.5	.9	1.1	3.0	118	40.9	116	82	53	0	5	4	1
COLUMBUS	49	31	68	15	40	10	.5	-.1	.5	2.6	105	33.0	89	82	49	0	4	2	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending December 29, 1984

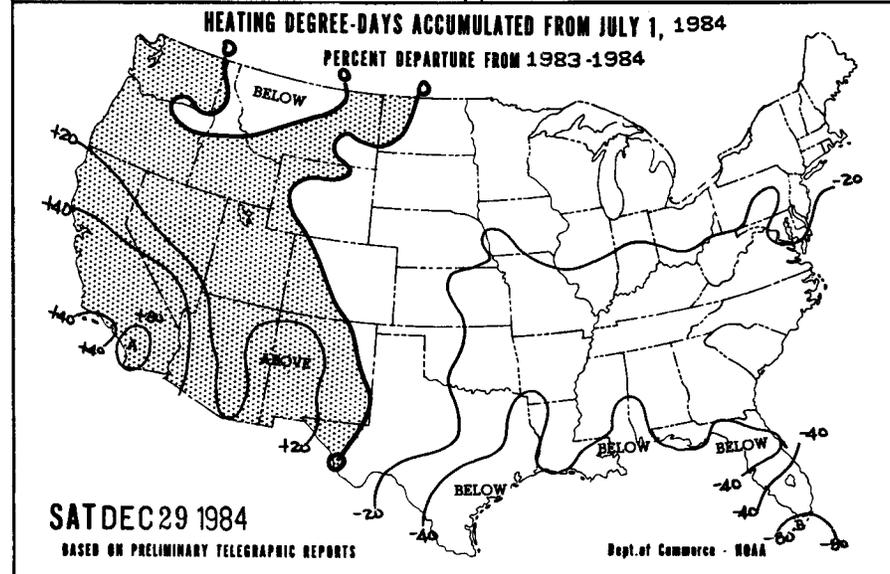
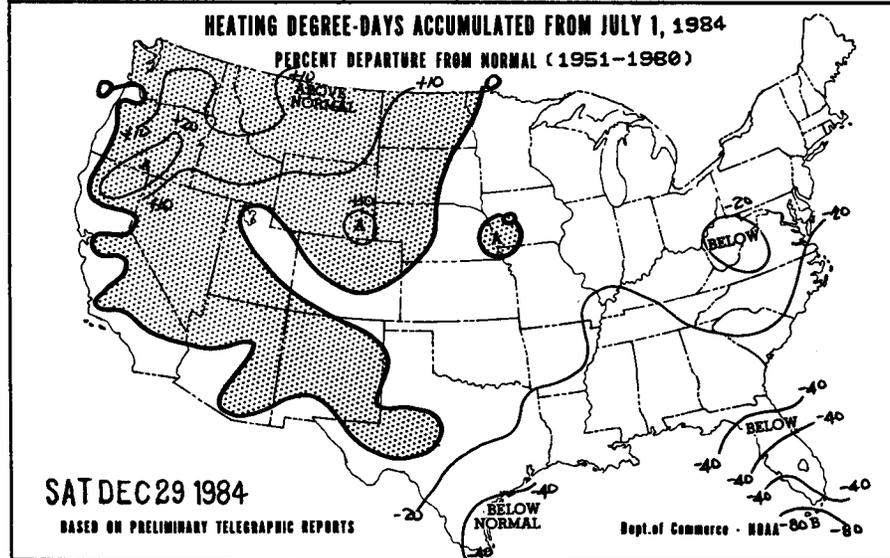
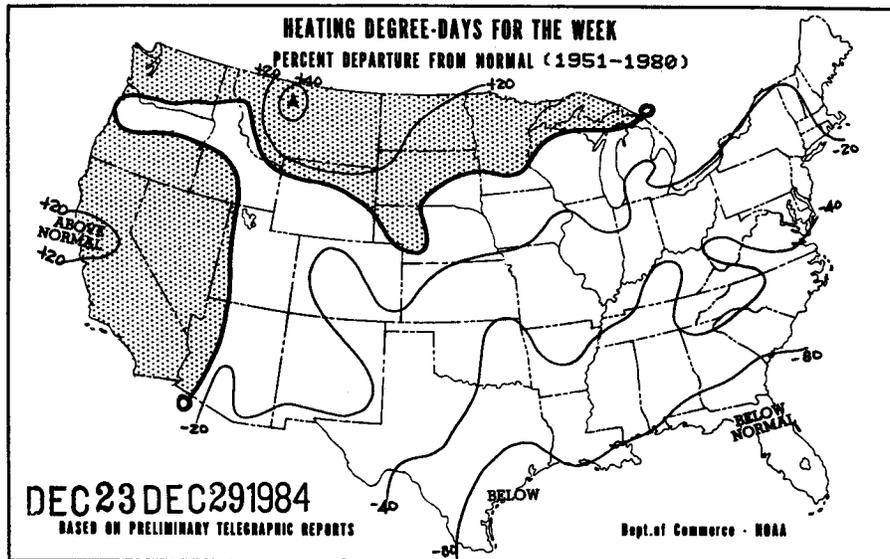
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	48	30	64	9	39	10	.9	.3	.9	3.4	144	35.3	102	78	51	0	4	3	1
TOLEDO	43	26	64	9	35	9	.9	.4	.3	2.9	120	31.0	98	91	68	0	5	5	0
YOUNGSTOWN	45	29	63	16	37	11	1.1	.5	.8	2.8	110	37.3	101	88	59	0	5	3	1
OK OKLAHOMA CITY	57	36	70	18	46	9	.4	.2	.2	5.5	487	31.1	101	92	68	0	3	3	0
TULSA	59	37	72	19	48	11	.4	.0	.4	5.4	319	45.5	118	90	57	0	3	1	0
OR ASTORIA	45	35	50	31	40	-2	2.0	-.7	1.3	6.4	59	68.4	99	92	77	0	3	5	0
BURNS	32	12	38	6	22	-4	.1	-.1	.1	1.0	117	11.8	153	99	75	0	7	1	0
MELFORD	41	30	46	28	36	-1	T	-.8	T	1.6	50	18.2	92	98	75	0	7	2	0
PENDLETON	44	32	48	30	38	4	.1	-.3	.1	.9	59	13.0	107	84	56	0	4	4	0
PORTLAND	44	37	50	33	41	1	1.5	-.7	.4	2.5	41	37.3	100	95	82	0	0	0	0
SALEM	45	36	52	33	40	1	1.5	-.2	.9	3.6	55	45.1	112	96	80	0	0	0	1
PA ALLENTOWN	46	27	72	20	37	8	.5	-.3	.5	2.9	82	52.1	118	84	47	0	6	5	2
ERIE	46	27	65	16	37	10	2.0	1.4	.8	3.8	126	37.4	95	92	59	0	5	5	2
HARRISBURG	50	33	75	23	42	11	.1	-.6	.1	2.3	76	43.4	112	81	42	0	5	3	0
PHILADELPHIA	51	30	72	21	41	8	.2	-.6	.1	2.1	66	43.5	105	86	42	0	4	3	0
PITTSBURGH	49	33	66	19	41	12	.5	-.2	.3	2.7	112	35.0	97	84	51	0	5	4	0
SCRANTON	45	29	67	20	37	10	.7	.2	.6	2.3	97	38.7	111	91	56	0	5	5	1
RI PROVIDENCE	47	25	70	16	36	6	.2	-.8	.1	3.1	73	48.5	107	82	46	0	6	4	0
SC CHARLESTON	71	49	79	44	60	12	1.1	-.7	0	.7	23	46.2	90	99	58	0	0	2	0
COLUMBIA	70	42	79	31	56	11	0	-.9	0	1.8	54	44.5	91	91	41	0	2	0	0
FLORENCE	67	44	78	34	56	10	0	-.7	0	.9	33	39.8	91	87	38	0	0	0	0
GREENVILLE	60	40	72	31	50	8	T	-.9	T	2.2	60	58.3	116	83	44	0	2	1	0
SD ABERDEEN	14	-1	31	-15	7	-6	T	-.1	T	.5	120	21.4	120	82	55	0	7	1	0
HURON	22	7	35	-9	15	0	.1	0	0	.5	102	29.7	159	78	46	0	7	2	0
RAPID CITY	29	2	50	-11	16	-8	.2	.2	.2	.4	88	15.3	94	79	51	0	7	3	0
SIoux FALLS	28	9	42	-1	18	3	T	-.1	T	1.0	149	28.8	120	85	59	0	7	1	0
TN CHATTANOOGA	62	36	72	29	49	9	.3	-.9	.3	1.8	38	47.8	91	90	53	0	4	2	0
KNOXVILLE	61	35	71	23	48	9	.7	-.4	.5	2.4	57	48.5	103	96	58	0	1	2	0
MEMPHIS	64	44	74	28	54	13	.1	-1.0	.1	4.0	88	56.7	110	90	58	0	2	4	0
NASHVILLE	61	38	70	25	50	11	.4	-.7	.4	2.1	49	56.3	117	92	54	0	3	1	0
TX ABILENE	61	41	74	25	51	7	T	-.2	T	1.2	148	20.4	88	92	63	0	3	1	0
AMARILLO	55	31	67	15	43	7	.1	0	.1	.9	189	19.1	100	90	53	0	4	2	0
AUSTIN	66	53	76	37	59	9	.2	-.2	.2	2.5	127	25.5	81	96	74	0	0	3	0
BEAUMONT	73	60	79	50	67	14	T	-1.0	T	1.4	32	58.6	112	97	66	0	0	1	0
BROWNSVILLE	81	65	85	56	73	12	.3	.1	.2	1.8	169	40.3	159	100	69	0	0	3	0
CORPUS CHRISTI	76	61	81	50	68	11	T	-.3	T	.5	35	21.2	70	100	66	0	0	2	0
DEL RIO	64	53	71	40	58	7	T	0	T	.9	163	13.6	79	97	69	0	0	3	0
EL PASO	59	37	66	26	48	5	.2	.1	.2	1.2	316	16.7	214	91	37	0	1	1	0
FORT WORTH	65	46	76	29	55	10	.3	-.1	.3	4.5	290	31.4	107	93	66	0	2	1	0
GALVESTON	69	61	73	53	65	10	T	-.7	T	2.4	71	35.2	88	95	78	0	0	0	0
HOUSTON	74	59	81	49	67	14	.1	-.7	.1	1.4	39	46.7	105	90	61	0	0	3	0
LUBBOCK	56	36	66	21	46	6	.1	0	0	1.0	239	14.4	81	93	58	0	3	1	0
MIDLAND	60	41	70	28	50	6	T	-.1	0	.5	112	16.1	117	85	51	0	3	1	0
SAN ANGELO	63	43	73	29	53	6	.1	-.1	0	.8	131	16.3	90	96	68	0	2	4	0
SAN ANTONIO	67	54	77	42	61	10	.2	-.1	.1	1.9	148	24.4	84	97	71	0	0	4	0
VICTORIA	76	60	80	47	68	13	.2	-.2	.2	1.7	83	31.6	86	94	66	0	0	0	0
WACO	65	49	76	35	57	10	T	-.4	T	4.0	221	33.3	108	91	70	0	0	2	0
WICHITA FALLS	60	38	73	24	49	7	.2	-.1	.1	2.6	229	22.8	85	92	66	0	3	3	0
UT BLANDING	41	24	46	13	33	5	1.1	.8	1.0	2.3	188	11.2	97	92	68	0	5	5	1
CEDAR CITY	40	19	47	1	29	0	.1	0	.1	.8	127	12.6	124	95	65	0	5	1	0
SALT LAKE CITY	39	20	45	11	29	1	T	-.3	T	.8	65	21.7	142	86	61	0	6	1	0
VT BURLINGTON	38	18	58	-1	28	9	.7	.2	.5	3.2	141	36.3	108	73	50	0	5	3	0
VA NORFOLK	61	42	76	35	52	10	0	-.8	0	2.2	74	44.8	99	78	43	0	0	0	0
RICHMOND	61	32	78	21	47	9	T	-.8	T	1.4	44	46.0	105	88	35	0	5	0	0
ROANOKE	61	34	76	21	48	12	T	-.7	T	1.2	45	43.0	110	79	36	0	4	0	0
WA COLVILLE	28	17	32	7	23	-3	.6	.1	.3	2.0	88	26.0	149	95	90	0	7	3	0
QUILLAYUTE	41	32	48	29	37	-3	1.2	-2.5	.4	12.6	82	111.0	107	100	83	0	4	0	0
SEATTLE-TACOMA	44	34	56	30	39	-1	2.1	.7	1.7	5.4	90	37.2	97	97	75	0	1	5	1
SPOKANE	33	19	36	10	26	-2	.4	-.2	.3	2.0	88	18.1	109	96	75	0	7	3	0
YAKIMA	36	21	46	15	29	-1	T	-.3	T	.5	41	9.0	114	51	70	0	6	2	0
WV BECKLEY	58	35	70	18	46	15	.7	-.1	.7	2.7	90	40.7	97	90	43	0	3	2	1
CHARLESTON	59	35	75	19	47	13	.9	.2	.9	3.2	105	40.4	95	82	42	0	4	2	1
HUNTINGTON	58	36	74	19	47	12	.7	0	.7	3.7	126	40.1	99	88	45	0	3	2	1
PARKERSBURG	54	35	71	19	44	12	.3	-.4	.2	3.0	117	33.0	80	91	48	0	3	2	0
WI GREEN BAY	31	12	52	-15	21	4	.4	.2	.2	1.5	115	36.4	130	92	61	0	6	4	0
LA CROSSE	31	10	60	-5	20	3	.4	.2	.3	1.7	167	32.2	107	91	66	0	6	4	0
MADISON	36	14	62	-4	25	6	1.1	.8	.5	2.2	157	33.2	108	90	65	0	6	5	1
MILWAUKEE	39	16	62	-5	27	6	1.7	1.3	.8	3.5	184	39.5	128	94	65	0	6	5	2
WAUSAU	27	6	48	-13	16	2	.7	.4	.3	2.3	196	40.8	129	87	61	0	6	4	0
WY CASPER	40	15	45	-19	27	4	.1	0	.1	.5	104	13.1	115	80	47	0	6	2	0
CHEYENNE	44	20	51	-2	32	5	T	-.1	T	.2	71	17.4	131	80	36	0	7	0	0
LANDER	39	16	44	4	27	6	T	-.1	T	T	8	12.9	98	70	33	0	7	0	0
SHERIDAN	25	-6	50	-16	10	-12	.1	-.1	.1	.2	29	13.8	92	83	46	0	7	1	0
PR SAN JUAN	82	73	83	68	78	1	1.3	.4	.7	3.7	88	43.8	82	79	60	0	0	0	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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

LAST DATE OF DATA COLLECTION PERIOD IS 12-29-1984
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK WEEK, CUM CUM CUM CUM, WEEK WEEK, CUM CUM CUM CUM, WEEK WEEK, CUM CUM CUM CUM. Rows list various cities and their corresponding weather data.



National Agricultural Summary

December 24 to 30

HIGHLIGHTS: Record-breaking warm temperatures across the southeastern half of the Nation stimulated pasture and fall-seeded small grain growth, and caused premature bud swelling of fruit trees. Wet fields from the Southwest through the Delta States generally slowed completion of cotton and soybean harvesting. Protective snow cover was needed for winter wheat across the central Plains and Corn Belt, while additional precipitation would benefit southern Plains small grains. Warm, dry weather provided 3-6 days suitable for fieldwork across the South. Soil moisture supplies continued mostly adequate to surplus throughout the Nation, except adequate to short in the Southeast. Some areas experienced flooding from the rapid snow melt caused by abnormally warm temperatures.

Winter wheat was in generally fair to good condition. Warm weather stimulated growth but eliminated protective snow cover except in the northern Plains. Wet soils from the Southwest through much of the Delta region limited cotton harvesting. Picking in most States crept forward by no more than 1% during the week. Citrus and vegetable harvesting advanced and seasonal volumes were shipped from most southern producing areas. Cold temperatures stressed livestock across the northern Plains; snow made grazing difficult and caused increased supplemental feeding. Mild weather in the East benefited calving and lambing. Feed supplies were generally adequate. Warm temperatures aided continued pasture growth across the South, where conditions were fair to good.

SMALL GRAINS: Winter wheat development continued to lag normal in portions of the Northwest, with some fields still not emerged. Snow cover protected most northern Plains wheat stands from freezing temperatures, but mild weather eliminated snow cover from the central Plains through much of the Corn Belt, leaving the crop vulnerable to possible winterkill. Kansas wheat benefited from light precipitation but muddy conditions limited topdressing. Oklahoma stands showed good growth and rated mostly good. Texas High Plains wheat fields showed little progress because of cooler temperatures, but stands rated good. Elsewhere in the State, fields experienced good growth because of milder temperatures. Greenbug and rust problems were limited. Many Corn Belt wheat fields were too wet for topdressing. Montana's winter wheat rated mostly fair with fair to good snowcover.

COTTON: Cotton harvesting made little or no progress in the major producing States because of wet soils. Picking was virtually complete except in Missouri, New Mexico, Oklahoma, Tennessee, and Texas. Producers were 95% finished in Missouri, 91% complete in New Mexico, 85% finished in Oklahoma, and 71% complete in Texas. Progress lagged normal by 10 points in Oklahoma and 23 points in Texas. Rain delayed second picking in Arizona. Stalk shredding and plowdown continued as weather and soil conditions permitted. Wet grounds delayed the Oklahoma harvest and caused some losses. Wet field conditions allowed little progress in Texas. Quality of the remaining cotton continues to suffer. Picking will resume with drier weather.

OTHER CROPS: Frozen soils early in the week across the Corn Belt allowed some combining of the remaining corn and soybeans fields. However, soils were too wet to support harvesting equipment southward into the Delta, limiting completion of the soybean harvest.

Tobacco growers actively prepared and fumigated plantbeds in most areas. Producers prepared for the reopening of markets after the holidays.

Scattered fields of Texas peanuts remain for harvest. Producers were unable to enter fields to finish digging.

FRUITS AND NUTS: Abnormally high temperatures stimulated premature bud swelling of fruit trees in the Southeast. Florida's citrus groves continued in good condition despite the increasing dry soils. Some irrigation began in very dry areas. Early and midseason fruits developed good color. Picking slowed for Christmas but rose later in the week. Citrus harvesting continued with normal volumes in Arizona's Central Valley and western area. Cold California weather caused tree dormancy in some areas but caused insignificant citrus freeze damage. Wind increased avocado and grapefruit droppage. Navel orange harvesting was slow and lemon shipments were only moderate. The mandarin orange harvest neared completion while the tangerine harvest continued active.

VEGETABLES: California growers shipped fairly light supplies of artichokes. Broccoli supplies were light along the central coast and moderate from the San Joaquin Valley and southern California. Carrot harvesting neared completion in the Salinas Valley, but continued active in the desert and San Joaquin Valley. Light cauliflower supplies were harvested in the San Joaquin Valley. Celery cutting was virtually complete along the central coast and continued active along the South Coast. The desert lettuce harvest was sporadic with low yields reported for early fields. Arizona lettuce packing increased from the Yuma and Parker areas, while winding down in the Salt River Valley. Producers harvested a wide variety of vegetables in the Salt River Valley and Yuma area. Texas Rio Grande Valley growers harvested good supplies of lettuce, cabbage, cauliflower, and broccoli. Wet weather slowed the San Antonio-Winter Garden cabbage, carrot, cauliflower, and broccoli harvests. Warm Florida weather accelerated maturity of some vegetables. However, shipments of nearly all crops were at reduced levels during the holidays, with only cabbage, cauliflower, and strawberries showing increases. Warm weather hastened strawberry maturity. Harvesting was very active in the Hillsborough-Manatee and Bradford County areas.

PASTURES AND LIVESTOCK: Abnormally cold temperatures stressed livestock across the northern Plains. Snow limited grazing and caused increased supplemental feeding in that region. Mild weather across the southeastern half of the Nation benefited calving and lambing in most areas. Warm, wet conditions encouraged pasture growth across much of the South. Pastures and livestock rated fair to good.

State Summaries of Weather and Agriculture

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

ALABAMA: Temperatures averaged 15 to 20° above normal. Rainfall 1.00 in. north and less than 0.25 in. south.

Soil moisture adequate. Tending livestock.

ARIZONA: A slow moving storm system dumped large amounts of moisture over all sections 27th, 28th. Snow levels were 8,000 to 9,000 ft. Moisture amounts were between 1.00 and 2.50 in. with the heaviest over central basins, Mogollon Rim, White Mountains. Heavy rains, melting snow produced considerable runoff. New snowfall amounts were between 1 and 8 in. Average temperatures range from 8° above normal in southeast to 2° below normal along Colorado River.

Abundant rainfall benefited ranges and pastures. Stock water supplies, soil moisture levels at or above seasonal averages. Cattle and sheep in good to excellent condition. Range feed growth above average. Barley, wheat seeding delayed by rain. Excessive moisture kept farmers out of fields. Seedbed preparation, seeding made some progress with 50% seeded. Plants emerging, some stands established. Weed insect controls in use. Cotton picking nearly complete, 99% picked at least once. Rain delayed second picking. Stalk shredding, plowdown continued as weather, soil conditions allowed. Lettuce packing increased Yuma, Parker areas; market higher. Winding down Salt River Valley. Harvest of mixed winter vegetables active in both Yuma and Salt River Valley. Citrus harvest continued with normal volumes in central valley and west.

ARKANSAS: A brief cold spell early in the week was followed by unseasonably warm weather with temperatures 7 to 15° above normal. Rain fell late in the week. High 81°, low 13°. Precipitation ranged from none to 1.45 in.

Moisture adequate to surplus. Pasture good condition. Most farmers feeding hay. Winter wheat fair to good.

CALIFORNIA: Temperatures and rainfall mostly below normal for the week as high pressure remained over the State. A weather system dropped down the Pacific coast and turned eastward into southern California at midweek and brought some rain to that area.

Field activity slow in central valley. Shredding and plowing last cotton fields in the San Joaquin Valley. Imperial Valley harvest winding up. Small grains planting active in desert areas. Some herbicides being applied to small grain and alfalfa fields. Pruning, weed control, dormant spraying and brush and tree removal activities in orchards and vineyards. Cold weather causing tree dormancy. No significant citrus freeze damage. Some windfall in avocados. Pruning table grapes. Cold storage shipments to markets. Some windfall in desert grapefruit. Moderate lemon shipments. Slowed navel orange harvest. Tangerine harvest continues. Mandarin harvest near completion. Artichokes fairly light supply. Cutting and burning asparagus fern. Broccoli fairly light supply central coast; harvest moderate San Joaquin Valley, southern California. Carrot harvest nearly complete Salinas Valley, continues desert, San Joaquin Valley.

Cauliflower light supply. Celery harvest virtually complete central coast, active south coast. Desert lettuce harvest erratic with low yields early fields. Fall potato movement seasonally slow, digging winter potatoes Riverside County. Range, pasture moisture conditions excellent, however, warmer temperatures needed for growth. Sheep continue graze alfalfa fields. Water supplies ample.

COLORADO: Varied weather throughout the week. Dry, mild, and windy in east with temperatures averaging 7° above normal. Mostly cold and dry elsewhere until a subtropical air mass warmed the lower elevations on 27th. The southern mountains received 2 feet of snow on 27th and 28th, but only slight snow and rain occurred in the valley and the northern mountains.

Producers mostly feeding livestock and preparing for the 1985 planting season.

FLORIDA: Temperatures generally above 80° with little or no precipitation. Light to moderate winds under high pressure prevailed.

Soil moisture short nearly all areas with only parts of upper east coast, lower southern tip of peninsula showing adequate to nearly adequate moisture. Wheat seeding virtually complete. Small grains good progress, but need rain. Fair, warm weather encouraged field activities; preparation of land underway for planting of early crops. Pastures poor to fair statewide. Nearly all areas need moisture. Cattle good condition south, mostly fair elsewhere. Citrus growing areas warm, dry but groves in good condition. Some irrigation in very dry areas. Early mid-season fruit showing good color. Harvest slowed for Christmas but increased last of week. Warm, mostly dry weather prevailed in vegetable growing areas. Daytime highs mid 80's; nighttime lows in 60's. Skies mostly clear. Irrigation very active. Warm temperatures accelerated maturity of some crops; however, shipments of nearly all crops at reduced level during the holidays, with only cabbage, cauliflower and strawberries increasing; carrots about steady. Condition of most crops generally good with rapid growth. Strawberry maturity hastened by warm temperatures. Harvest very active Hillsborough-Manatee, Bradford County areas.

GEORGIA: Precipitation none to a trace. Temperatures continued unseasonably warm, averaging 8 to 12° above normal.

Soil moisture short to mostly adequate. Main activities: Livestock and poultry care, planting small grains. Tobacco bed preparation and holiday celebration. Some soybean harvest.

HAWAII: A band of heavy showers moved east across the State bringing heavy rains and cool temperatures to most farming areas. The rains caused some flooding in low-lying fields, but damage was minor overall. Cool temperatures slowed crop development, particularly at higher elevations, and wet conditions have contributed to increased disease incidence of vegetables in certain areas of Hawaii Island. Production of Cavendish bananas should remain heavy. Cabbage supplies will be steady while lettuce supplies

are decreasing. Cool, wet weather has been unfavorable for papayas, but production should be steady. Rains benefitted next year's sugarcane crop but interrupted a few end of the year harvesting operations.

IDAHO: A high pressure system brought variable temperatures and light precipitation to the State. Temperatures in the southwestern valleys were well below normal due to inversions. The remainder of the State recorded near normal temperatures. Precipitation amounts were generally light, with the exception of the Moscow area which received 1.50 in.

Farm activity was minimal due to frozen ground and snow covered fields. Farmers kept busy with general chores, livestock milking and feeding. Livestock were reported in good condition with adequate supplies of feed on hand.

ILLINOIS: Temperatures 6 to 17° above normal. Precipitation 0.32 to 2.28 in., heaviest central.

Tending livestock and repairing equipment.

INDIANA: Temperatures averaged 3 to 5° above normal north and 8° above south. Precipitation from 0.57 in. northwest to 1.38 in. southeast. Generally less than 1.00 in. northern third to over 1.00 in. elsewhere. Soil temperatures in 30's but in 40's over weekend.

Soils frozen briefly early in period permitting some harvesting of remaining corn and soybean fields. Activities: Marketing grain, cleaning fence rows, processing tobacco, cutting wood, hauling manure, doing shop work, caring for livestock and usual chores.

IOWA: A warm wet week. Warmest the 28th with temperatures in the 60's setting daily high records. Precipitation light northwest, and moderate to heavy elsewhere.

Most farm activities limited to caring for livestock. Livestock in mostly good condition despite fluctuations in temperatures and humidity causing some stress and pneumonia. Cattle movement has been normal to light with replacements slow. Tge and Pseudorabies showing up in some hog herds.

KANSAS: Cool temperatures and windy conditions prevailed first of week. Temperatures moderated through the week and by 28th, several record highs were set with temperatures in 70's recorded at several stations. Night of 28th and 29th saw the return of much cooler air. Rainfall accompanied the cool air and turned to ice and snow many areas with temperatures dropping below freezing.

Livestock care major farm activity during past week. Wet weather prevailed most areas resulting in little field activity, muddy feedlots and barnyards. Precipitation beneficial to fall sown grains.

KENTUCKY: Temperatures began near normal then warmed significantly. By 28th temperatures had reached lower 70's some areas. Temperatures averaged above normal. Soil temperatures at 4 in. level averaged in 40's. Precipitation amounts varied from around 1.00 in. to near 2.50 in.

Field activity minimal. Hard freeze needed before remaining soybean fields can support harvesting equipment. Livestock in good condition.

LOUISIANA: Rainfall none to 0.25 in. Temperatures ranged from 40° to near 80° with averages from 10 to 15° above normal.

Main activities included harvesting remaining cotton, soybeans and sugarcane, and caring for livestock. Some fields still too wet to enter. Topdressing of winter pastures continued with warm weather beneficial to late planted wheat and ryegrass.

MARYLAND AND DELAWARE: Maryland: The week was very warm with scattered precipitations. High temperatures ranged from 64 to 77° in the eastern part of the State and 59 to 64° in the western part. Lows ranged from 13 to 26°. Precipitation ranged from a trace to 1.05 in.

Farmers still busy stripping tobacco in south along with repairing farm machinery.

Delaware: The week was warm with light precipitation. High temperatures were in the mid 60's and lows wars in the high teens. The average precipitation received was 0.25 in.

Farmers repairing machinery. Winter wheat in good condition.

MICHIGAN: Temperatures across the State averaged 9° below normal. Precipitation moderate. High's ranged from mid 30's to mid 60's. Low's ranged from -11 to 48°.

Farm activities limited to caring for livestock and routine chores.

MINNESOTA: The week began and ended with cold temperatures but rainfall and warm temperatures at midweek reduced or eliminated the snow pack in south. Temperatures averaged 3° above normal to 6° below normal. High: 51°; low: -25°. Precipitation averaged 0.31 in. above normal for the southeast and near normal to 0.11 in. below normal elsewhere. Snowfall for the week averaged 1 to 3 in. Snow depths at week's end averaged a trace for the southern third, 6 in. for the north central, and 2 to 3 in. elsewhere.

MISSISSIPPI: Temperatures averaged 14° above normal for the week. Extremes 26 and 81°. Greatest daily rainfall 0.41 in.

All harvesting virtually complete.

MISSOURI: Temperatures remained well above normal for 3rd consecutive week. Averaged 11 to 12° above normal. Rainfall about 0.50 in. average, slightly more in southeast, causing moderate flooding of low lands.

Cattle and other livestock doing well as pastures continue to provide good forage. Cotton harvested 95%, 100% last year and normal.

MONTANA: Heavy snow over parts of central, south central and southeast early in week, and northwest portion west of Divide late in week. Between 6 to 18 in. common in early storm and a foot or two in the west late in week. Precipitation moderate to heavy except north central and northeast where only light amounts fell. Very cold across plains as temperatures averaged 4 to 20° below normal. Over southwest and most of west temperatures averaged a few degrees above normal.

Winter wheat condition mostly fair, snowcover fair to good. Wind damage light. Grazing difficult, stockwater adequate. Livestock condition good.

NEBRASKA: Precipitation light across State. Roller coaster week of temperatures with 68° variation from high to low, particularly in north central.

Unusually warm temperatures during week melted the little snow cover that existed. Additional snow cover needed for protection of fall planted crops.

NEVADA: Southern storm track past week kept cold air in north and rain southern area of State. Generally the entire State had below normal temperatures on the average with precipitation from 0.50 in. to nearly 1.00 in. in the south. Only trace amounts reported in north. Highest temperature for week, 61° at Logandale, lowest was 11 below zero at Battle Mountain. Generally north and central were around 5° below normal while south was only about 1° below normal.

Caring and feeding of livestock main ranch and farm activities.

NEW ENGLAND: Average temperatures near normal across northern Maine and extreme north portions of New Hampshire and Vermont; elsewhere, 5 to 10° above. Coldest temperatures occurred midweek; Clayton Lake, Maine hit 27° below zero overnight the 26th. The 29th was warmest, breaking many all-time records over central and southern sections; Woonsocket, Rhode Island reached 75°. Precipitation fell as snow and freezing rain. Northern areas averaged 0.25 in., with some extreme northern regions receiving over 2.00 in. Above average temperatures accelerated the snow melt, creating flood problems in Vermont over the weekend with the added precipitation.

Farm activities included tending livestock, machinery maintenance, and general farm chores.

NEW JERSEY: Temperatures were well above normal, averaging 34° north, 43° south and 47° coastal. Extremes were 10 and 76°. Precipitation was below normal, averaging 0.59 in. north, 0.49 in. south and 0.19 in. coastal. The heaviest 24-hour total reported was 0.55 in. on the 27th to 28th. The heaviest 24-hour snowfall was 6 in. on the 26th to 27th.

Fieldwork: Farmers tending to livestock and other normal winter chores. Record high temperatures were experienced on 29th. Small grains continue in good condition.

NEW MEXICO: Average temperatures 4 to 8° above normal except for near normal in extreme southeast. Maximum temperature: 68° southern desert. Minimum temperature: 6° northern mountains. Snow level remained high. Precipitation totals between none and 1.35 in.

Soil moisture supplies mostly adequate; flooding in southwestern mountains. Cotton fair to good; soil moisture slowed harvest. Barley good to excellent. Irrigated wheat good to excellent. Dryland wheat fair to good. Pecans fair to good; harvest continued. Red chile fair to good; picking slowed by moisture. Cattle good. Sheep good to excellent. Range fair to good; some grass growth reported in southeast. Cotton harvested 91%, last year 95%, average 96%.

NEW YORK: A cold period during midweek was followed by record breaking warm temperatures. Sub-zero weather was recorded in north on 27th. On 29th readings were as high as the 60's and low 70's. Light snow and a little rain fell the first half of the week and much heavier mixed precipitation the later half. Freezing rain plagued north on 28th and very heavy rain combined with snow melt produced widespread flooding in the Adirondacks and other northern areas. Better than 6.00 in. of rain fell at the Stillwater reservoir in the Adirondacks.

Farming activities were limited to routine chores and feeding and caring for livestock.

NORTH CAROLINA: Temperature average 8 to 12° above normal. Precipitation was light along the coast. Soil moisture: 15% short, 83% adequate, and 2% surplus. Days suitable for fieldwork: 5.6. Condition: Pasture 8% poor, 29% fair, 61% good, 2% excellent. Wheat 24% fair, 74% good, 2% excellent. Oats 27% fair, 71% good, 2% excellent. Barley 3% poor, 20% fair, 74% good, 3% excellent. Rye 28% fair, 69% good, 3% excellent. Harvest: Soybeans 98%, 1983 90% average 95%. Cotton 99%, 1983 100%, average 99%. Farm feed supplies: Hay and roughage 96% adequate, 4% surplus. Feed grains 98% adequate, 2% surplus. Major farm activities: Plowing and land preparation, harvesting soybeans, equipment maintenance, tending livestock, cutting firewood, and planning for 1985.

NORTH DAKOTA: Winter weather continued with most reporting points receiving measureable snowfall. Most fell and weeks end. Snow depths ranged from 3 to 8 in. Precipitation was near normal with the exception of southeast where precipitation was slightly below normal.

Temperatures continued below normal. Average temperatures ranged from near zero across south to 6° below across north. Highest temperature reported was 34° on 27th while coldest was 29° below zero on 29th.

Additional light snow late 30th. This added snow cover was beneficial for winter wheat and rye. Cold temperatures continue.

OHIO: Temperatures averaged 5 to 8° above normal. Range from single digits north, morning 25th to 70's south, 29th and 30th. Precipitation totals 1.50 to 2.00 were common.

Soil temperatures 4 inch bare 30's to 40's, near 50 on 29th and 30th. Fieldwork limited due to rain, mud.

OKLAHOMA: Temperatures above normal statewide 5 to 13°. Precipitation none Panhandle to 0.87 in southwest. Heaviest 2.39 in. Oklahoma City.

Limited wheat pasture. Wet ground delayed cotton harvest and causing some loss. Wheat condition and growth good. Cotton and livestock fair condition. Supplemental feeding: Cotton harvested: 85%; 95%; 95%, average.

OREGON: A gradual warming brought west side temperatures to near normal; east side temperatures were 6° below normal. Coastal precipitation measured 1.20 in. The Willamette Valley had 0.70 in. and the northeastern corner of the State had 0.20 in. Remaining areas had less than 0.10 in.

Development of the 1985 winter wheat crop continues behind normal, with many fields not emerged. In the west, surplus soil moisture may cause some loss in stands; little fertilizer has been applied. Most eastern fields had adequate snow cover during recent cold spell. Moisture supplies in that region mostly adequate. Livestock in mostly good condition. The snow in the east has increased hay feeding. Fall range growth mostly halted. Some lambing underway.

PENNSYLVANIA: The week continued the unseasonably warm trend. Record high temperatures were set throughout the State. Counties in the central and eastern sections had readings in the 70's on the 30th. The statewide average temperature was 38°, 11° above normal. Average precipitation was 0.82 in., 0.15 in. more than normal.

Farming activities included hauling manure and normal winter chores.

PUERTO RICO: Island average rainfall 1.11 in. or 0.17 in. above normal. Highest weekly total 2.58 in. Highest 24-hour total 0.91 in. Temperatures averaged about 77 to 75° on coasts and 71 to 70° interior divisions. Mean station temperatures ranged from 80.0 to 52.0°. Extremes 89 and 52°.

SOUTH CAROLINA: The warm spell pulled daily temperatures to more than 20° above normal over most of the State in the last three days of the week. The week was practically rainless, although a few light showers fell early in the week in connection with a weak funnel passage. This will be the warmest December since 1971.

SOUTH DAKOTA: Average temperatures ranged from 5 to 15° below normal across the north and 3 above to 5° below normal in the south. Extremes: 53 and -25°. Precipitation was light.

Snow cover ranged from 1 in. in the central and northeast to 8 in. in the northwest and north central. Major agricultural activities include hauling hay and feeding livestock.

TENNESSEE: A mild cold front moved through the State on 24th. High pressure dominated during midweek with a weak frontal system lying across the State over the weekend. Temperatures continued well above normal and precipitation was widespread on 24th and light in the west over the weekend.

Major farm activities include general farm chores and harvesting of remaining crops.

TEXAS: Christmas Eve cold polar front pushed across all but extreme South Texas, Christmas day cloudy, cold drizzle, some patchy freezing drizzle north, light showers extreme south. Moist gulf air midweek, warmer air riding over shallow polar dome of polar air, combination low clouds, fog, some patchy drizzle south central sections. Unseasonably warm temperatures dominated early weekend before second cold snap hit northern half Texas on 30th. Temperatures above normal statewide. Precipitation below normal East, South Central Texas, above normal elsewhere.

Crops: Clouds, cold, drizzle hamper field operations Plains. Cooler temperatures slowed growth small grains, many native grasses. Temperatures Central, South Texas remained mild; damp weather also hampered most activities these areas. Rio Grande Valley remained fair, vegetable harvesting activities some progress. Growth small grains Central, South Texas good; sunshine benefit growth. Feeding livestock picked up areas where grazing limited. Cotton harvesting little progress throughout week because continued wet field conditions. Quality remaining cotton suffer. Drier, open weather for harvest to resume. Statewide, cotton 65% of normal. Current reported conditions 39% good; 44% fair; 16% poor; and 1% failure. Scattered fields of peanuts remain harvest; producers unable enter fields to finish operations. Small grain fields High Plains showed little progress because cooler temperatures. Good stands remain; additional sunshine to promote better growth. Elsewhere, fields wheat, oats showing good growth because milder temperatures. Some necessary topdressing nitrogen. Greenbug, rust problems low, no treatment has been necessary. Many fields too wet for grazing. Statewide, wheat condition 82% of normal, compared with 66% a year ago. Current reported conditions 14% excellent; 54% good; 28% fair; and 4% poor.

Cotton harvested 71% 1984, 97% 1983, 94% average. Wheat emerged 99% 1984, 99% 1983, 98%

average. Peanuts harvested 98% 1984, 99% 1983, 99% average. Pecans harvested 91% 1984, 91% 1983, 91% average. Sunflowers harvested 100% 1984, 100% 1983, 99% average.

Commercial Vegetables: Rio Grande Valley, onions good progress. Harvest, supplies good on lettuce, cabbage, cauliflower, broccoli. Good quality. San Antonio-Winter Garden, harvest cabbage, carrots, cauliflower, broccoli slowed because wet weather. White rust, blue mold problems some spinach fields. Pecan harvest little progress statewide, because inclement conditions.

Range and Livestock: Growth winter grasses picked up Central Texas because milder temperatures. Many ranges northern sections State weakened by cold temperatures. Supplemental feeding increased because lack native grasses some areas. Wheat, oat pastures too wet to graze areas Central Texas. Cattle, sheep fair condition. Lice, ear ticks increasing untreated herds.

UTAH: Precipitation none to light western and north central division, light to moderate with isolated heavy accumulation rest of State. Temperatures averaged 3° below normal most of State but 12° below normal in Uintah Basin and southern part of western division.

Cold temperatures stressed livestock locally in southwestern areas. Stockmen providing water and feed. Sorting, marketing of onions, potatoes and apples continued as orders received.

VIRGINIA: The week began cool but ended warm. Above normal averages for the week. Highs near 80, lows in the single digits. Rainfall very light.

Moisture ratings were mostly adequate. Days suitable for fieldwork averaged 4.6. Harvest of corn complete, and combining of soybeans and sorghum for grain winding down. Small grains in good condition. Some farmers pruning apple orchards in north, but most are feeding livestock and doing other chores. Grazing still good in most areas for this time of year. The mild weather has helped calving and lambing.

WASHINGTON: Temperatures averaged 3° below normal. Precipitation ranged from a trace in the east to 2.00 in. in the west.

Fall seeded grains protected from cold weather by snow cover. Pruning of grapes and fruit trees increasing in pace as temperatures rise. Snow cover forcing additional hay feeding for livestock.

WEST VIRGINIA: Temperatures averaged 12° above normal. Low 8° at Green Bank, high 77° at Martinsburg. Rainfall above normal central and southwestern sections, below normal elsewhere. Range 0.14 in. at Martinsburg, 1.50 in. at Clay.

Soil moisture adequate. Days suitable for fieldwork averaged 3.0. Feed supplies adequate.

WISCONSIN: The week was marked by extremes in temperature and snow. From 1 to 4 in. of snow fell on the 23rd and 24th. A further 1 to 9 in. on the 26th. Temperatures rose to the 40's and 60's on the 27th melting virtually all snow in the south. The week ended on a cold note as temperatures returned to seasonal levels.

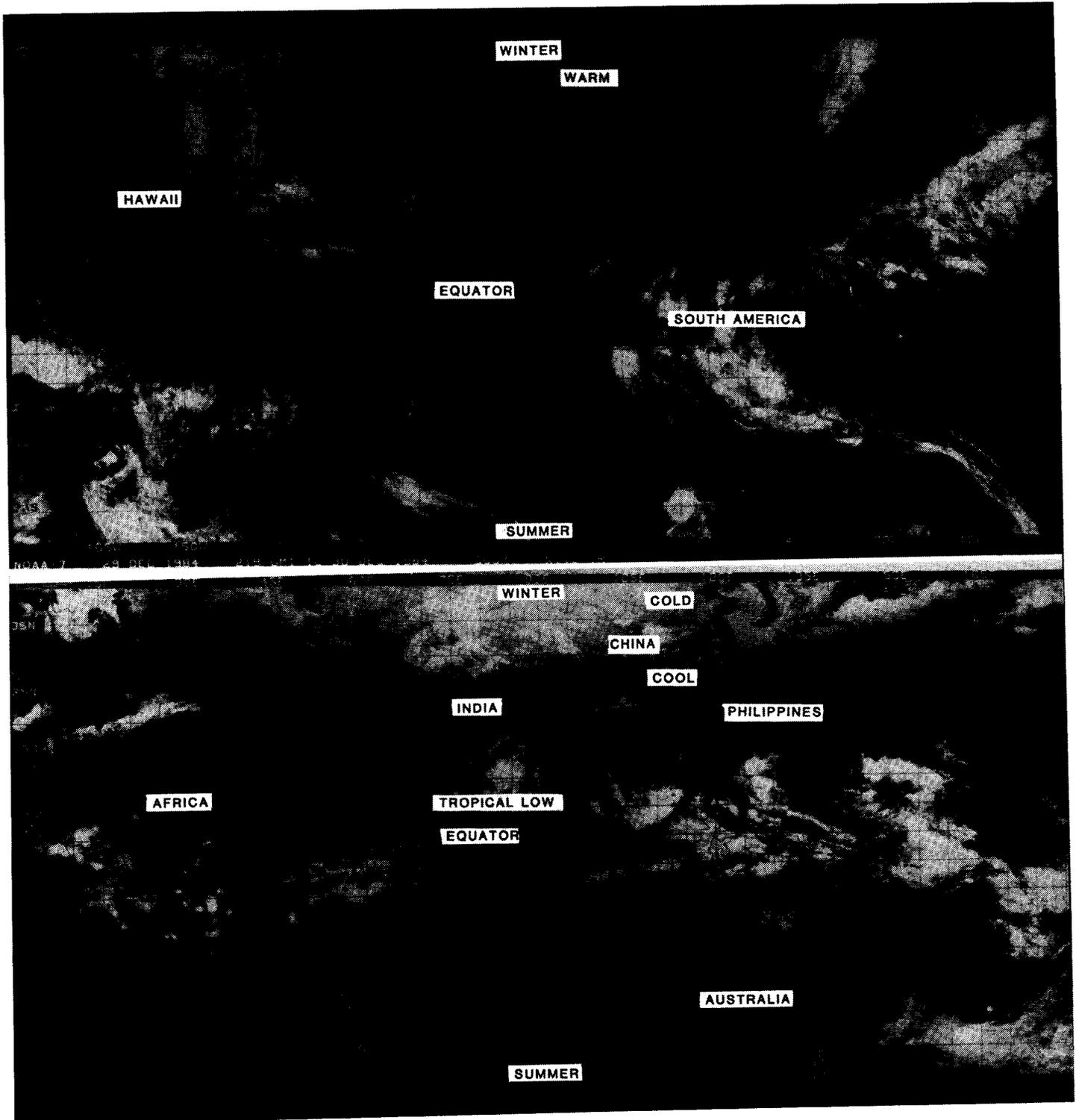
Farmer repairing machinery and tending livestock.

WYOMING: Temperatures and precipitation near normal.

Winter wheat mostly good condition. Livestock mostly good condition with supplemental feeding in areas with snow cover. Hay supplies adequate.

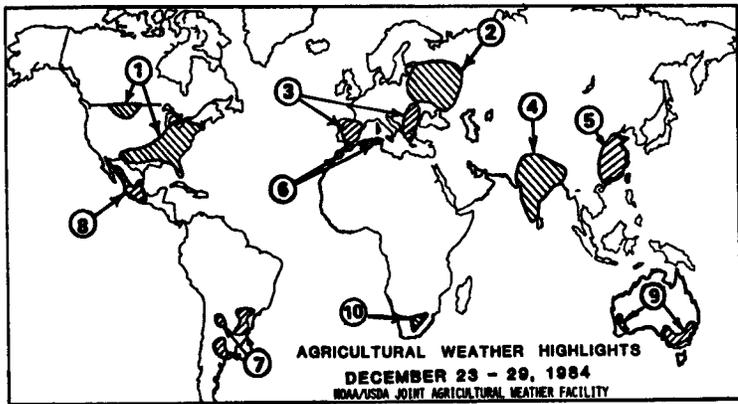
GLOBAL WEATHER SATELLITE PHOTO

December 29 - 30



International Weather and Crop Summary

December 23 - 29

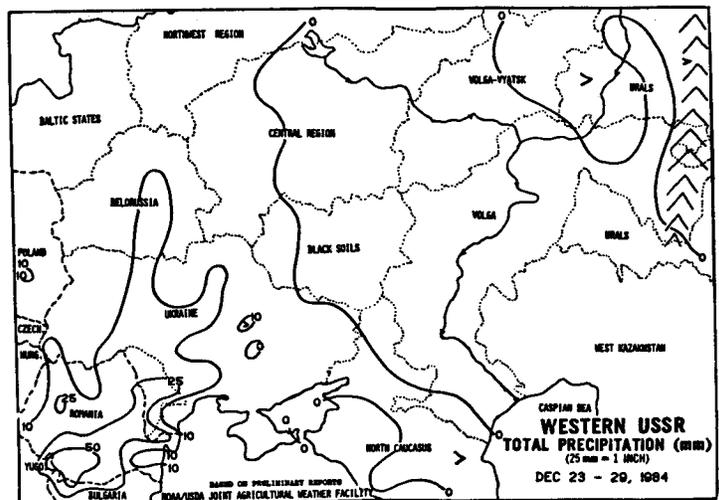


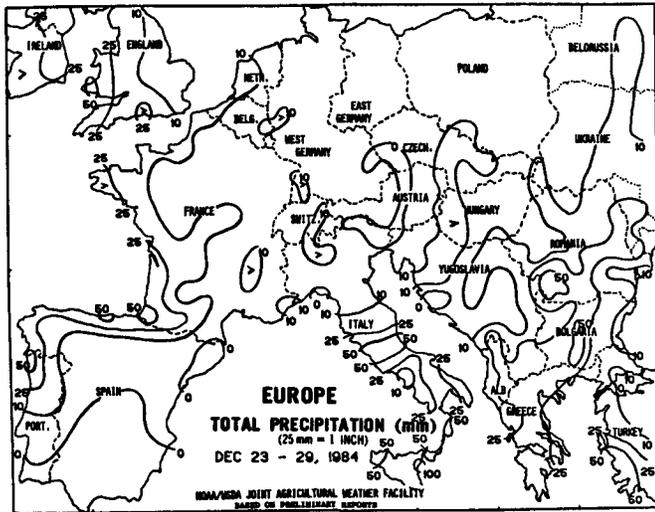
HIGHLIGHTS

1. UNITED STATES ... Record warmth over the southeastern third of Nation for the past few weeks prematurely swells tree and flower buds and stimulates pasture and small grain development. Muddy fields delay harvest completion from the Southwest through the Ohio Valley. Snow and unusual cold stresses northern Plains livestock.
2. WESTERN USSR ... Below-normal temperatures cover winter grain areas. Most winter grains have a protective snow cover.
3. EUROPE ... Substantial showers increase low soil moisture in Greece and in the southeast.
4. SOUTH ASIA ... Dry weather continues to favor winter rice and cotton harvesting. Showers are needed for winter wheat growth.
5. EASTERN ASIA ... Unseasonably cold and dry weather continues to cover dormant winter wheat.
6. NORTHWESTERN AFRICA ... Widespread showers benefit winter grains in Algeria and Tunisia. Unfavorably dry weather covers Moroccan winter grains.
7. SOUTH AMERICA ... Dry weather is unfavorable for southern Brazil's soybeans but aids Argentina's wheat harvest. Summer crop planting continues in Argentina with favorable moisture.
8. MEXICO ... Rains over a third of the country slow harvesting and fieldwork.
9. AUSTRALIA ... Favorable harvest weather covered most wheat areas for several days.
10. SOUTH AFRICA ... Warm, dry weather in the Maize Triangle stresses corn, particularly in the west where soil moisture is limited.

SUMMARY

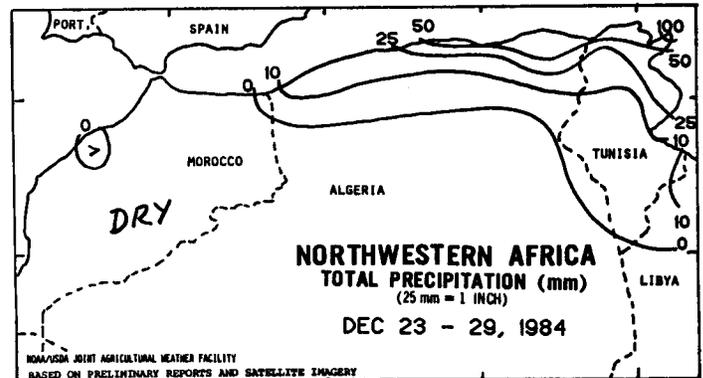
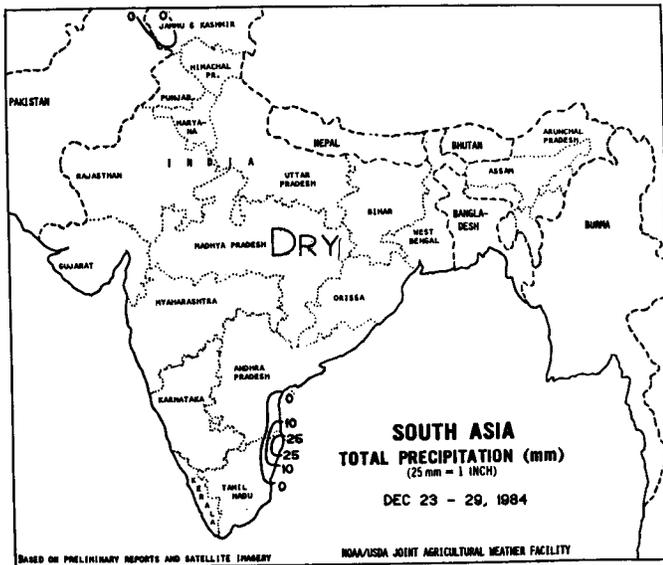
WESTERN USSR...Light precipitation covered the west while much below normal temperatures and dry weather covered the east. Rain fell on Moldavia, the Crimea, and the coastal areas of the North Caucasus, and snow fell elsewhere. Most crop areas have a protective snow cover except those areas adjacent to the Black Sea coast. Although minimum temperatures around -20°C were common over the eastern half of the region, a sufficient snow cover protected winter grains.





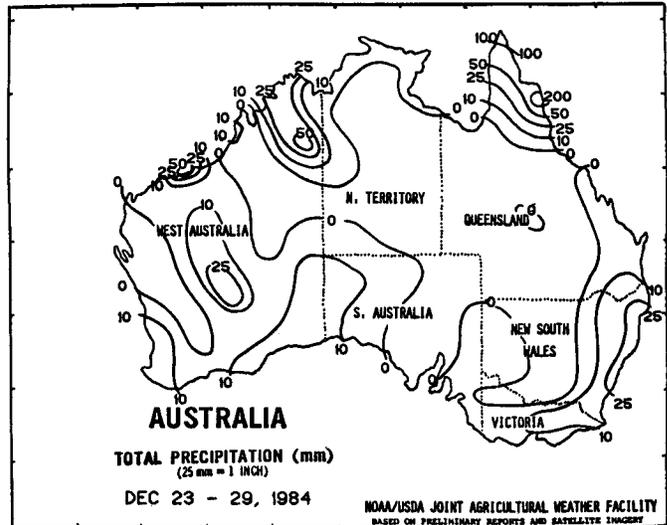
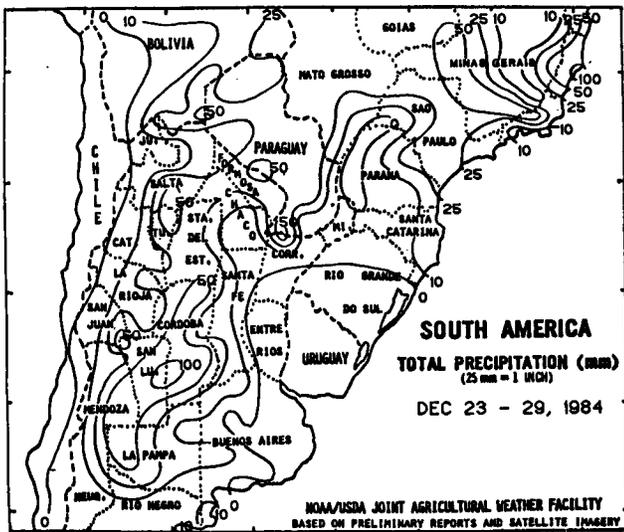
EUROPE...Cold weather covered much of the region. Most crop areas received light precipitation (less than 10 mm), but those in the central Mediterranean and the southeast received substantial rain (25-50 mm). The first significant amount of precipitation since mid-August fell in Greece. The precipitation in Romania and Bulgaria was also highly beneficial, increasing low subsoil moisture. Generally dry weather continued for winter grains in the Iberian Peninsula; fieldwork for winter grain planting likely continued. However, weekly temperatures were well-below normal, with late-week minimum temperatures below freezing. The cold weather in Spain probably inhibited both winter grain emergence and early plant growth.

EASTERN ASIA...Unseasonably cold and dry weather continued to cover dormant winter wheat. Minimum temperatures around -2°C were reported as far south as southern Gizhou, Hunan, and southern Jiangxi. In the North China Plain, nighttime lows around -14°C were common but the winter wheat was sufficiently hardened to withstand these extreme temperatures. The coldest nightly temperatures (around -25°C) covered minor wheat areas around Beijing; the temperatures were low enough to possibly cause winterkill in those crop areas that did not have a protective snow cover.



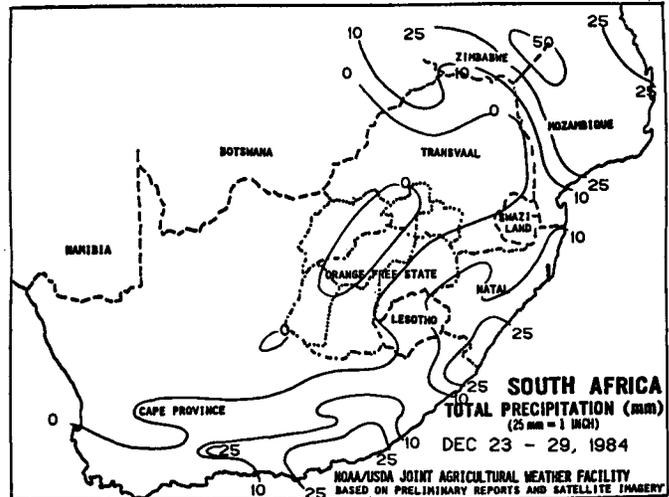
SOUTH ASIA...Mostly dry weather continued in Pakistan, India, Bangladesh, and Burma. The dry weather aided the cotton and winter rice harvests. Winter wheat in northern India is in the vegetative stage, and rain is needed in the upcoming weeks as the crop enters the critical reproductive stage. Winter wheat planting is nearly complete in Pakistan, and showers are needed for emergence and early growth. Summer rice planting normally begins in December in south peninsular India.

NORTHWESTERN AFRICA...Widespread showers benefited winter grains in Algeria and northern Tunisia. Precipitation ranged from 10-25 mm in northwestern Algeria, while heavier rain (25-50 mm) was reported in northeastern Algeria and northern Tunisia. Unfavorably dry weather covered winter grains in Morocco. Showers are needed in these areas for uniform crop emergence and early growth.



SOUTH AMERICA...Mostly dry weather covered Brazil's soybean and corn areas in Parana, Santa Catarina, and Rio Grande do Sul. Southernmost crop areas in Rio Grande do Sul have been generally dry for the past 3 weeks, and moisture supplies are limited. Tropical showers continued to benefit corn and soybeans in Mato Grosso, Sao Paulo, and Minas Gerais. In Argentina, the heaviest precipitation (50-100 mm) fell to the west of the major crop areas. Wheat areas in Buenos Aires were favorably dry for harvesting; reports indicate Argentina's wheat harvest is about 60-percent complete. Wheat remains to be harvested in southern Buenos Aires and La Pampa. Elsewhere, light showers (10-25 mm) maintained ideal conditions for late summer crop sowing in Cordoba, Santa Fe, and northern Buenos Aires. Reports indicate sunflowers and sorghum planting is virtually complete, while soybean planting reached about 60-percent completion.

AUSTRALIA...Late-week showers covered crop areas in New South Wales, Victoria, and South Australia, following several days of favorable wheat harvest weather. Light showers (10-25 mm) in Western Australia may have caused some delays in wheat harvesting. The precipitation benefited summer crops in the vegetative stage. Elsewhere, tropical showers continued over the extreme north.



MEXICO...Rain returned to about a third of the country, slowing harvesting and other fieldwork. Light to heavy rain dampened most of the east coast and delayed some harvesting of sugarcane, citrus, vegetables, and coffee. Light to moderate rain on the west coast north of Culiacan hampered tomato and other vegetable production activities. But on the positive side, some watersheds in the northwestern mountains received heavy downpours which will increase irrigation water for next summer's crops. The central region and southern and southwestern coasts were sunny and dry, favoring crops and agricultural operations.

SOUTH AFRICA...Dry weather covered most of the Maize Triangle. Moisture is adequate for vegetative growth in the major corn areas of the central and eastern portion of the Triangle. However, marginal corn growing areas further west have limited moisture for growth. In addition, above-normal temperatures in the west have increased the rate of evaporation, further stressing the crop. Frequent widespread rains will be needed throughout the Maize Triangle in the upcoming weeks to meet the increasing moisture demands as the crop enters reproduction growth.

1984
 Bulletin Index
 Volume 71
 Regular Features

Weather Summaries:
 Weekly.....Weekly
 Monthly.....First issue of following month
 Seasonal.....As Available

National Agricultural Summary
 Small Grains.....Weekly
 Corn.....April to December
 Soybeans.....April to December
 Cotton.....April to January
 Other Crops.....Weekly
 Fruits and Nuts.....Weekly
 Vegetables.....Weekly
 Pastures and Livestock.....Weekly

State Summaries of Weather and Agriculture.....Weekly

World Weather and Crops.....Weekly

Charts:

Weekly:
 Weather Highlights.....Weekly
 Precipitation.....Weekly
 Average Temperature.....Weekly
 Departure of Average Temperature from Normal.....Weekly
 Depth of Snow on Ground.....December to March
 Total Growing Degree-Days.....April to November
 Growing Degree-Day Departures from Normal...Periodically, Apr. to Nov.
 Average Soil Temperature 4 in. Bare Soil..... March to May
 Crop Moisture Index.....April to October
 Pan Evaporation.....April to October
 Heating Degree-Days:
 Departure of Week from Normal.....November to March
 Departure of Seasonal Accumulation from Normal.....November to March
 Departure of Seasonal Accumulation from Last Year...November to March
 World Weather: Precipitation.....Weekly

Monthly:
 Precipitation.....First issue of following month
 Average Temperature.....First issue of following month
 Departure of Average Temperature
 from Normal.....First issue of following month
 Percent of Normal Precipitation.....First issue of following month
 Drought Severity
 (Palmer Index).....First issue of each month, April to October

Seasonal:
 Weather Highlights..... Mar, June, Sept, Dec.
 Average Temperature..... Mar, June, Sept, Dec.
 Departure of Average Temperature from
 Normal..... Mar, June, Sept, Dec.
 Precipitation..... Mar, June, Sept, Dec.
 Percent of Normal Precipitation..... Mar, June, Sept, Dec.

World Weather:
 Average Temperature.....Third issue of following month
 Departure of Average Temperature
 from Normal.....Third issue of following month
 Precipitation.....Third issue of following month
 Percent of Normal Precipitation.....Third issue of following month

Tabulations:
 Weather Data for the Week.....Weekly
 Temperature and Precipitation
 Data for the Month.....First issue of following month
 Heating Degree-Days for Month.....First issue of following month
 Heating Degree-Day Statistics
 for Week and Season.....Each issue, Nov. to March
 Planting, Seeding, Harvesting Progress.....As Available

Special Articles: Bulletin
No.
 "Severe Freeze of Florida and Texas Citrus and Vegetables, December
 25-26, 1983 " Don Haddock 3
 "Picking a Safe Planting Date." Don Haddock 11
 "Dry Conditions in Africa " Paul Sabol, Jim Fleming, Tom Puterbaugh,
 and Ron Lundine 19

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210



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