

WEEKLY WEATHER AND CROP BULLETIN

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

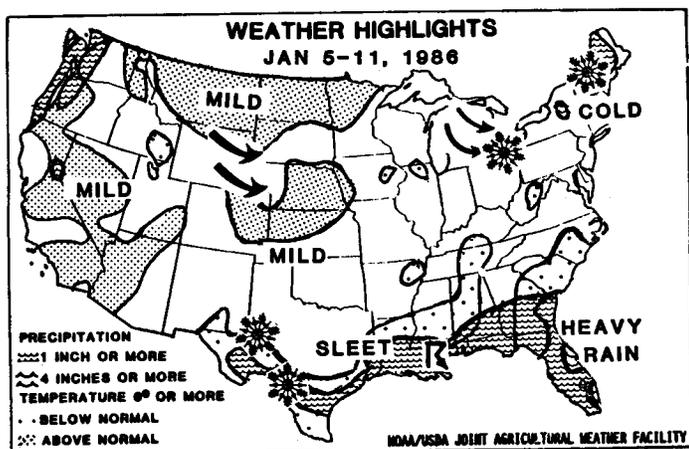
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JANUARY 5 to 11, 1986



TUESDAY...Subzero temperatures spread over the northern Plains, and down the Mississippi Valley, and into Illinois. Bitter-cold temperatures reached the central Plains, the Ohio Valley, and the Northeast. However, warming began across the South. Light snow fell on the lee side of the Great Lakes and in parts of the mid-Atlantic States. Showers fell across southern Texas, along the gulf coast, and in all of Florida. The showers changed to snow in southwestern Texas.

WEDNESDAY...The cold air spread southward to southwestern Texas and into the Southeast. Snow, sleet, and freezing rain covered parts of western and central Texas. Rainshowers were occasionally heavy along the east coast of Florida. Rain fell along the northwest coast, and snow covered the Cascade mountains.

THURSDAY...Snow lingered in west-central Texas, and sleet and freezing rain spread eastward to northern Louisiana and Arkansas. Moderate to heavy rainshowers fell along the gulf coast and through Florida. Rain was scattered along the northwest coast and was mixed with snow inland to the northern Rockies. Much warmer weather covered most of the West and pushed into the northern Plains.

FRIDAY...A Pacific storm brought strong, gusty winds to the Northwest and rain along the coast. The strong winds blew through the Rockies, and brought much warmer temperatures to the northern Plains and Great Lakes region. Rain extended from the central gulf coast to the south Atlantic Coast. A few snow showers lingered east of the Great Lakes.

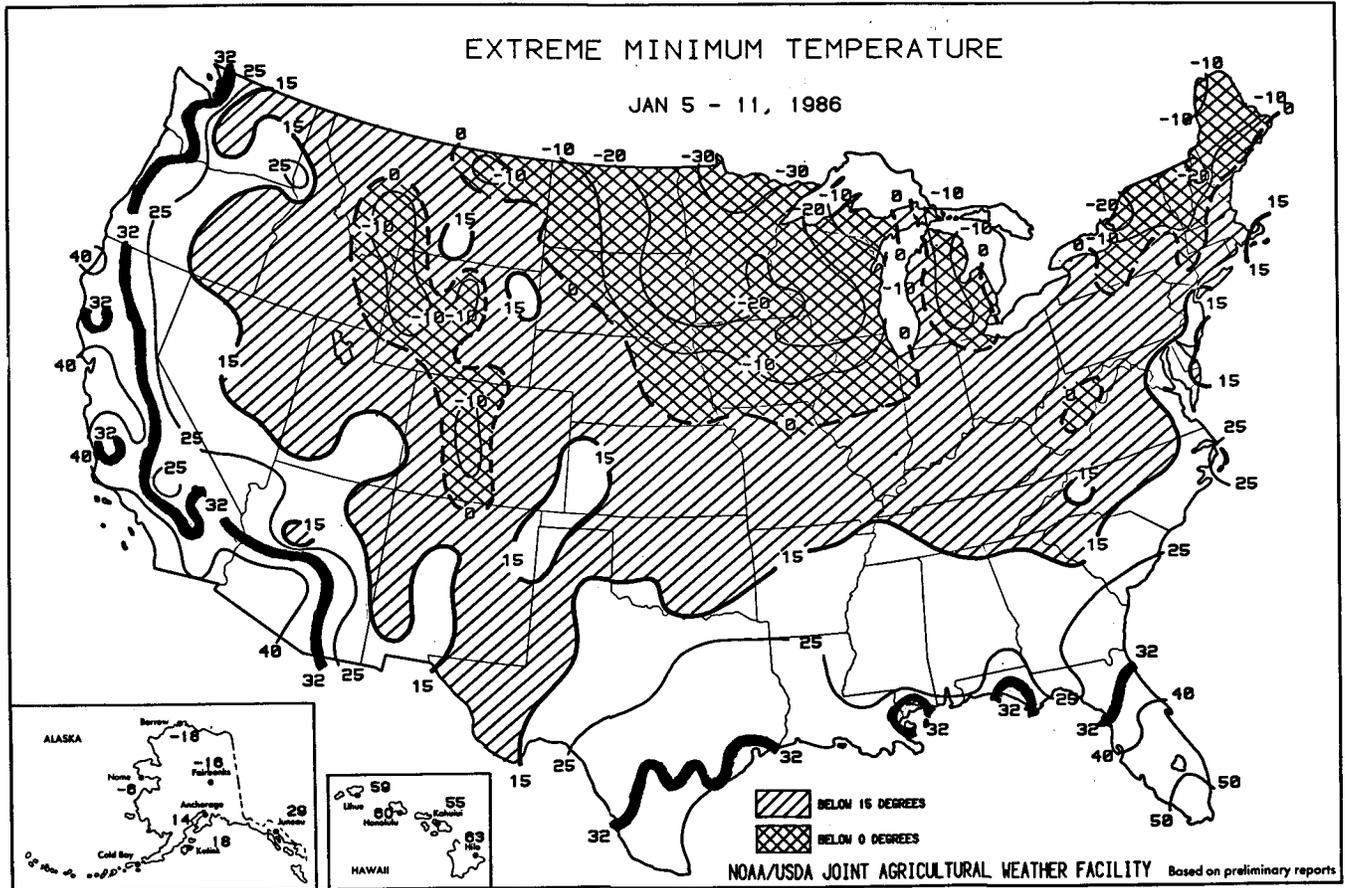
SATURDAY...Mild, dry weather prevailed over most of the Nation. Strong winds howled through the Rockies and across the Plains bringing much warmer temperatures. A few snowshowers lingered in the upper Great Lakes region and light rain was in central Florida.

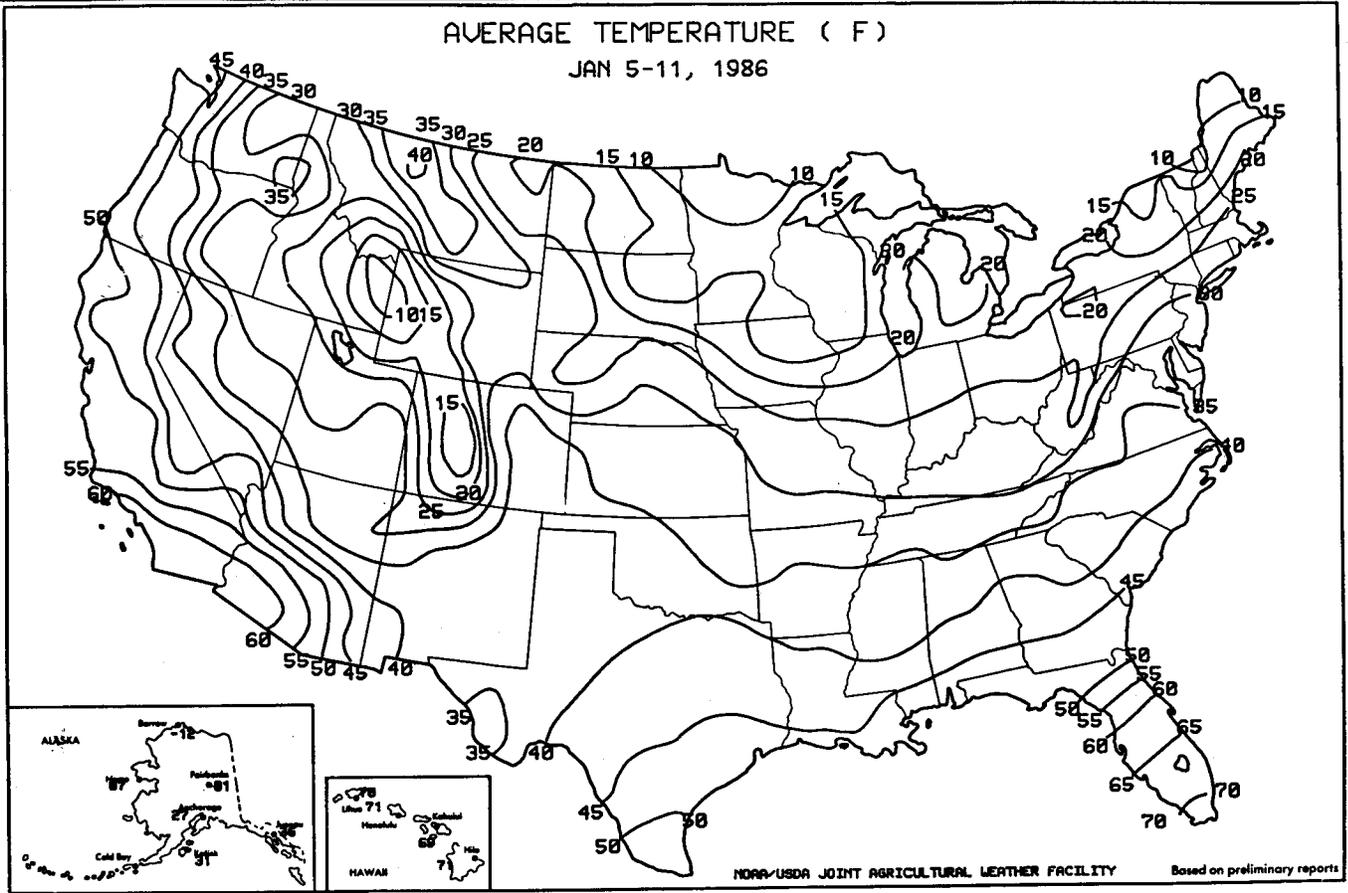
HIGHLIGHTS: Mild weather covered most of the Nation by the end of the week. Temperatures soared into the forties in the northern Plains and upper Mississippi Valley. Earlier in the week heavy snow moved through the Northeast and strong, gusty winds brought blowing snow and snowshowers to the Great Lakes region. At midweek, subzero temperatures covered the northern Plains and upper Mississippi Valley, and then moved southward and eastward. Snow fell in parts of southwestern Texas. A storm in the Gulf of Mexico brought light to moderate rain to the gulf coast, and some heavy amounts fell in central Florida. A Pacific storm brought moderate rain to the Pacific Northwest coast and lighter amounts through California.

SUNDAY...Snowshowers fell from the Great Lakes through New England and from the central Appalachians northward. Heavy snow covered the northern Appalachians and New England. Snow also fell in the northern Plateau and Rockies. Rain covered the west coast, most of California, and Florida. Very cold weather remained in the northern Plains and upper Mississippi Valley, but freezing weather pushed southeastward.

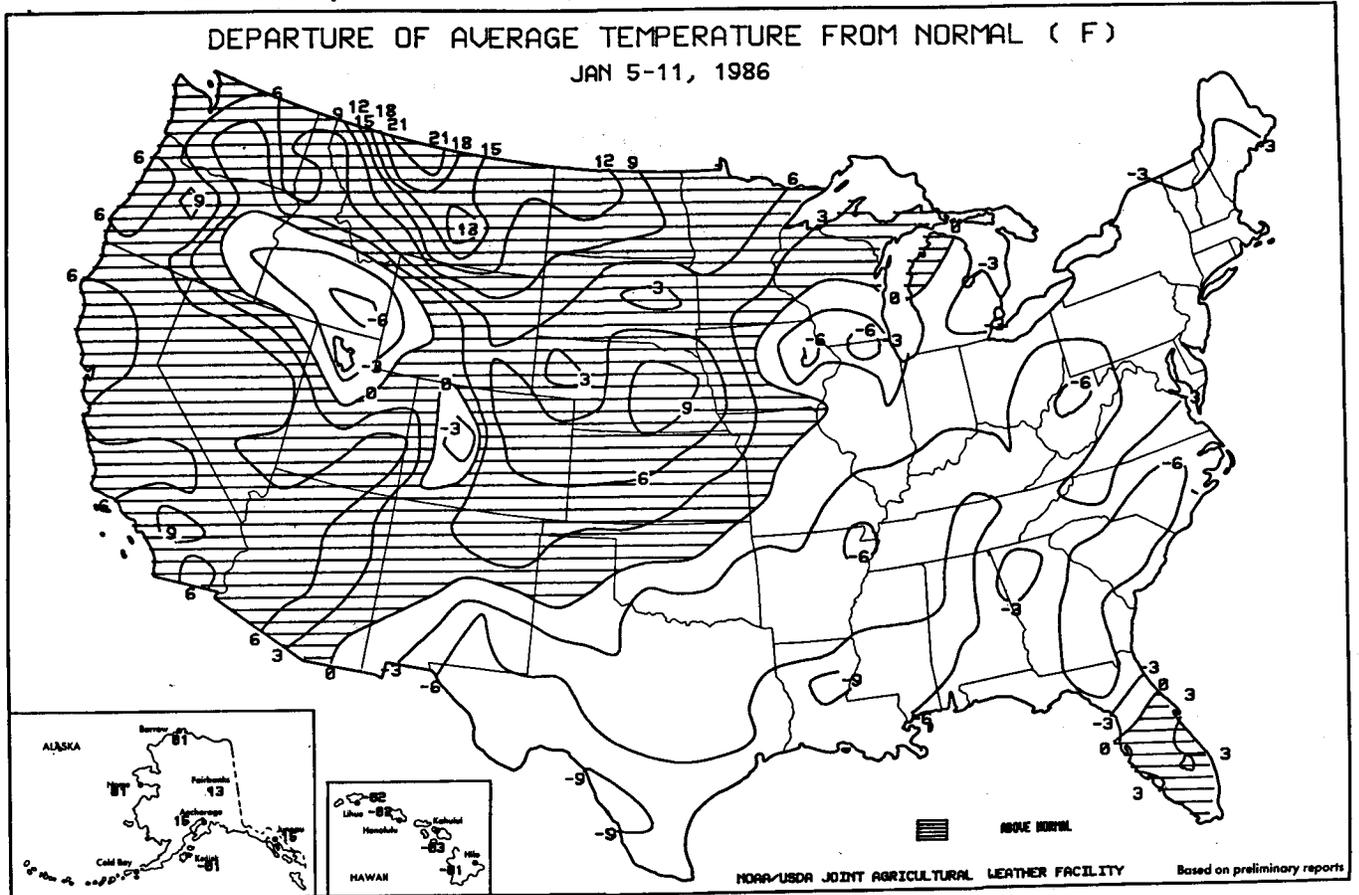
MONDAY...Strong, gusty winds blowing through the eastern Great Lakes region produced snow and blowing snow through New England. Another blast of cold air brought subzero temperatures to the northern Plains and upper Mississippi Valley. Light rainshowers covered the gulf coast region from eastern Texas through Florida. Snow fell through the Rockies with the heaviest amount in central areas. Freezing temperatures reached into northern Florida.

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



Weather Data for the Week Ending January 11, 1986

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	50	24	59	17	37	-6	T	-1.2	T	2.9	43	0	0	79	26	0	0	6	1	0
MOBILE	53	35	59	23	44	-7	1.4	-1.3	T	5.8	81	1.5	88	87	42	0	0	3	4	0
MONTGOMERY	52	30	61	17	41	-6	1.5	-1.5	T	5.2	82	1.5	31	83	33	0	0	3	3	0
AK ANCHORAGE	33	21	39	14	27	15	T	-1.2	T	1.6	115	1.2	67	88	65	0	0	2	3	0
BARROW	-9	-15	0	-18	-12	1	T	0	T	.2	84	0	0	80	73	0	0	7	7	0
FAIRBANKS	8	-10	23	-16	-1	13	T	-1.1	T	.1	13	0	0	87	75	0	0	7	7	0
JUNEAU	39	34	42	29	36	15	2.3	1.5	1.0	11.7	194	2.4	171	88	67	0	0	1	1	1
KODIAK	37	25	41	18	31	-1	1.8	0	0	22.0	242	3.2	114	91	66	0	0	6	5	2
NOME	14	-1	29	-6	7	1	1.1	-1.1	0	1.4	151	1.1	33	86	69	0	0	7	3	0
AZ PHOENIX	71	46	77	44	59	7	0	-1.2	0	.8	70	0	0	57	18	0	0	0	0	0
PRESCOTT	59	24	66	15	42	6	0	-1.4	0	1	1	0	0	74	25	0	0	7	7	0
TUCSON	68	41	74	36	54	4	0	-1.2	0	.2	12	0	0	50	18	0	0	0	0	0
YUMA	75	51	79	46	63	8	0	-1.1	0	.2	42	0	0	44	20	0	0	7	7	0
AR FORT SMITH	47	19	62	14	33	-4	0	-1.4	0	.4	11	0	0	88	29	0	0	0	0	0
LITTLE ROCK	47	25	60	16	36	-3	T	-1.8	0	3.2	61	0	0	63	35	0	0	6	1	0
CA BAKERSFIELD	57	43	68	34	50	3	1.5	-1.1	1.1	.5	52	1.3	100	98	70	0	0	0	0	0
EUREKA	61	47	67	40	54	7	1.1	-1.1	1.2	4.6	52	1.8	72	85	55	0	0	0	3	0
FRESNO	58	46	69	41	52	8	1.1	-1.3	1.1	1.3	56	.5	71	95	69	0	0	0	0	0
LOS ANGELES	75	52	88	48	63	7	1.4	-1.3	1.4	1.0	38	.6	60	70	34	0	0	0	1	1
RED BLUFF	61	40	66	32	51	6	T	-1.0	0	3.1	60	.7	44	97	50	0	0	1	1	0
SACRAMENTO	57	43	65	38	50	6	1.1	-1.9	1.1	3.1	73	.8	57	100	71	0	0	0	0	0
SAN DIEGO	74	50	79	45	62	6	T	-1.5	0	1.1	51	T	0	73	27	0	0	0	0	0
SAN FRANCISCO	60	47	65	42	53	5	1.1	-1.0	1.1	3.0	59	1.4	88	99	63	0	0	0	0	0
CO DENVER	51	23	65	12	37	8	1.2	1.2	1.2	.9	133	1.2	200	64	28	0	0	7	2	0
GRAND JUNCTION	39	20	50	13	30	6	1.1	0	1.1	.9	106	1.1	50	88	48	0	0	7	1	0
PUEBLO	51	17	68	8	34	5	1.3	1.2	1.3	.5	124	1.3	300	90	38	0	0	7	1	0
CT BRIDGEPORT	35	22	43	9	29	-1	1.4	-1.4	1.4	2.3	47	1.0	83	62	34	0	0	6	6	0
HARTFORD	31	15	40	1	23	-2	1.4	-1.4	1.4	2.4	43	1.1	85	77	42	0	0	7	1	0
DC WASHINGTON	42	23	54	18	33	-3	0	-1.6	0	7	17	0	0	68	30	0	0	7	1	0
FL APALACHICOLA	57	40	64	32	48	-5	1.6	1.9	1.3	7.2	153	3.0	250	89	51	0	0	1	3	1
DAYTONA BEACH	67	49	72	36	58	0	7.7	7.3	6.0	10.6	355	8.5	98	98	59	0	0	0	6	2
JACKSONVILLE	56	39	63	30	48	-5	2.7	2.1	2.0	7.4	207	3.8	380	96	63	0	0	1	5	1
KEY WEST	76	66	80	60	71	2	1.9	.6	1.3	3.2	141	.9	150	98	75	0	0	0	5	0
MIAMI	76	62	81	50	69	2	4.8	4.3	2.4	8.2	324	4.8	686	91	67	0	0	0	5	2
ORLANDO	70	52	78	41	61	1	4.9	4.5	4.2	10.4	413	7.0	96	93	63	0	0	0	6	1
TALLAHASSEE	57	35	62	20	46	-5	1.7	.7	1.6	9.4	152	2.2	138	93	42	0	0	3	4	1
TAMPA	69	50	71	37	60	0	1.8	.4	1.5	3.1	111	2.0	286	93	60	0	0	0	6	1
WEST PALM BEACH	76	60	83	47	68	3	5.5	4.9	2.4	6.9	217	5.5	611	97	65	0	0	0	5	3
GA ATLANTA	51	29	59	21	40	-2	1.4	-1.1	T	2.3	38	T	0	60	21	0	0	5	0	0
AUGUSTA	51	25	59	15	38	-7	1.4	-1.5	1.4	2.1	46	.5	36	87	26	0	0	6	1	0
MACON	52	29	59	20	41	-6	1.4	-1.3	1.6	3.7	67	.7	47	80	27	0	0	5	1	1
SAVANNAH	55	33	64	25	44	-5	1.9	1.2	1.8	3.0	79	1.0	91	85	35	0	0	5	2	1
HI HILO	77	66	80	63	71	-1	3.3	1.4	2.0	6.4	40	3.9	122	95	71	0	0	0	6	2
HONOLULU	81	62	83	60	71	-2	0	-1.9	0	1	1	0	0	87	49	0	0	0	0	0
KAHULUI	76	61	79	55	69	-3	1.6	-1.4	1.4	1.4	35	.6	43	96	67	0	0	0	2	0
LIHUE	77	64	80	59	70	-1	1.1	-1.4	1.1	1.6	7	.1	4	83	58	0	0	0	0	0
ID BOISE	34	16	37	10	25	-4	1.3	-1.1	1.3	1.8	93	.5	83	97	68	0	0	7	1	0
LEWISTON	46	34	52	26	40	9	1.1	-1.3	1.1	.4	23	1	20	80	50	0	0	2	2	0
POCATELLO	28	4	36	-3	16	-7	1.3	1.1	1.2	1.5	111	.3	75	92	72	0	0	7	2	0
IL CHICAGO	25	6	40	-9	16	-6	T	-1.4	T	1.7	63	.2	33	80	50	0	0	7	0	0
MOLINE	29	10	44	-6	19	0	T	-1.4	T	2.4	93	.2	29	84	52	0	0	7	0	0
PEORIA	32	10	49	-2	21	0	T	-1.4	T	2.4	92	.2	33	87	45	0	0	7	0	0
QUINCY	37	11	56	-1	24	0	T	-1.4	T	2.5	108	.1	17	84	36	0	0	7	0	0
ROCKFORD	24	2	39	-19	13	-5	T	-1.4	T	2.9	118	.6	100	96	66	0	0	7	0	0
SPRINGFIELD	36	11	55	0	23	-1	T	-1.4	T	2.5	94	0	0	81	37	0	0	7	0	0
IN EVANSVILLE	38	17	51	8	28	-3	T	-1.7	T	1.7	37	T	0	84	38	0	0	7	0	0
FORT WAYNE	30	14	41	1	22	-2	T	-1.5	T	2.8	87	.1	13	88	58	0	0	7	0	0
INDIANAPOLIS	33	14	46	5	24	-3	T	-1.6	T	3.4	85	.1	10	85	43	0	0	7	1	0
SOUTH BEND	29	13	40	1	21	-2	T	-1.6	T	2.7	69	.2	20	88	61	0	0	7	2	0
IA DES MOINES	30	9	50	-10	20	1	T	-1.2	T	1.4	103	.1	33	79	52	0	0	7	0	0
SIoux CITY	36	11	56	-9	23	7	T	-1.1	T	.6	63	.1	50	84	52	0	0	7	0	0
WATERLOO	23	0	42	-22	11	-3	T	-1.2	T	1.5	102	.3	100	86	61	0	0	7	0	0
KS CONCORDIA	45	19	63	2	32	7	T	0	T	.4	46	0	0	71	31	0	0	6	0	0
DODGE CITY	49	20	70	14	34	5	0	0	0	.1	15	0	0	68	26	0	0	7	0	0
GOODLAND	51	21	69	15	36	9	0	0	0	.5	78	0	0	83	32	0	0	7	0	0
TOPEKA	43	17	65	5	30	5	0	0	0	.7	43	0	0	83	33	0	0	7	0	0
WICHITA	45	18	59	10	32	2	T	-1.2	T	.6	48	T	0	78	33	0	0	7	0	0
KY BOWLING GREEN	41	18	49	10	29	-5	T	-1.1	T	1.7	27	T	0	79	37	0	0	7	0	0
LEXINGTON	37	18	48	8	28	-4	T	-1.8	T	1.1	22	T	0	78	34	0	0	7	0	0
LOUISVILLE	39	20	50	11	29	-3	T	-1.8	T	1.0	20	T	0	79	36	0	0	7	0	0
LA ALEXANDRIA	50	34	59	28	42	-10	1.1	1.1	.5	6.7	102	1.1	65	75	39	0	0	2	4	1
BATON ROUGE	52	36	61	26	44	-7	1.1	1.1	.5	5.9	89	1.2	75	93	46	0	0	1	4	1
LAKE CHARLES	51	35	61	29	43	-9	1.1	1.1	.4	4.8	73	1.1	69	87	45	0	0	1	4	0
NEW ORLEANS	51	38	58	28	45	-8	1.4	1.4	.5	6.9	99	2.1	124	85	48	0	0	2	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

CORRECTION: FOR DECEMBER MONTHLY TABLE IN VOLUME 73, ISSUE #1, DATED JAN. 7, 1986. ANCHORAGE, AK. AVERAGE TEMPERATURE SHOULD BE 27° AND THE DEPARTURE FROM NORMAL +14.

Weather Data for the Week Ending January 11, 1986

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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	51	30	62	27	41															
ME CARIBOU	16	-3	31	-16	41	-5	.1	-1.1	.5	4.2	66	.1	7	84	31	0	5	3	0	0
PORTLAND	29	13	41	1	21	-1	.5	-1.1	.5	4.2	104	2.0	222	84	64	0	7	1	0	0
MD BALTIMORE	41	21	53	11	31	-2	.8	0	.8	4.3	72	1.9	136	73	41	0	7	2	0	1
SALISBURY	42	23	51	14	33	-2	.1	-1.7	.1	1.0	21	.1	9	67	29	0	7	1	0	0
MA BOSTON	34	20	42	8	27	-3	.3	-1.6	.3	2.1	40	.9	83	64	34	0	6	1	1	0
CHATHAM	36	23	45	17	30	-3	.3	-1.7	.3	2.4	36	.8	50	66	33	0	6	1	0	0
MI ALPENA	27	14	41	-2	20	-2	.2	-1.4	.3	3.2	122	.6	86	84	61	0	7	1	1	0
DETROIT	29	12	38	-3	20	-4	.1	-1.3	.1	1.8	57	.3	43	86	54	0	7	2	0	0
FLINT	27	9	39	-10	18	-4	.1	-1.3	.1	1.7	65	.3	50	87	60	0	7	1	0	0
GRAND RAPIDS	28	12	40	-9	20	-4	.1	-1.3	.1	2.6	78	.6	86	89	61	0	7	3	0	0
HOUGHTON LAKE	25	7	35	-10	16	-6	.1	-1.3	.1	2.6	108	.6	100	88	65	0	7	3	2	0
LANSING	27	9	38	-12	18	-4	.1	-1.4	.1	1.8	63	.5	71	88	60	0	7	1	0	0
MARQUETTE	24	7	43	-14	16	-3	.2	-1.3	.1	4.4	136	.4	50	93	66	0	7	3	0	0
MUSKEGON	30	20	38	12	25	-3	.1	-1.5	.1	3.6	104	.6	67	87	66	0	7	1	0	0
SAULT STE. MARIE	24	6	36	-12	15	-3	.3	-1.2	.2	4.0	118	.5	63	91	65	0	7	4	0	0
MN ALEXANDRIA	24	1	44	-25	13	1	.7	-1.2	.0	1.4	138	.1	33	90	64	0	7	0	0	0
DULUTH	21	0	42	-24	11	1	.7	-1.3	.0	.9	49	.1	25	87	60	0	7	0	0	0
INT'L FALLS	21	-4	45	-38	8	5	.9	-1.2	.0	.6	50	.1	33	88	58	0	7	1	0	0
MINNEAPOLIS	24	7	44	-15	15	4	.4	-1.2	.0	1.4	116	.1	33	84	60	0	7	0	0	0
ROCHESTER	21	2	39	-19	12	4	.4	-1.2	.0	1.3	115	.2	67	87	67	0	7	0	0	0
MS GREENWOOD	50	26	57	20	38	-5	.5	-1.2	.1	3.9	54	.4	0	76	29	0	7	0	0	0
JACKSON	49	28	59	20	38	-7	.2	-1.0	.1	3.8	52	.2	11	86	36	0	6	3	0	0
MERIDIAN	49	28	61	18	38	-7	.3	-1.8	.2	4.7	62	.3	16	88	35	0	5	3	0	0
MO CAPE GIRARDEAU	41	16	53	8	29	-1	.1	-1.7	.0	1.7	34	.0	0	86	47	0	7	0	0	0
COLUMBIA	40	13	61	1	26	-1	.1	-1.4	.0	3.4	135	.0	0	82	30	0	7	0	0	0
KANSAS CITY	41	16	59	3	29	-3	.0	-1.3	.0	1.2	68	.0	0	78	36	0	6	0	0	0
SAINT LOUIS	41	16	61	6	29	-3	.0	-1.4	.0	3.7	130	.0	0	76	30	0	7	0	0	0
SPRINGFIELD	43	17	59	5	30	-1	.0	-1.4	.0	3.1	97	.0	0	77	28	0	7	0	0	0
MT BILLINGS	49	28	61	22	39	19	.0	-1.2	.0	.2	19	.0	0	59	25	0	6	0	0	0
GLASGOW	30	11	46	-10	20	12	.1	0	.1	.6	133	.1	100	88	65	0	7	0	0	0
GREAT FALLS	47	33	55	24	40	22	.1	-1.2	.0	.5	44	.1	33	67	38	0	4	0	0	0
HAVRE	38	23	47	0	30	20	.0	-1.1	.0	.2	22	.0	0	97	63	0	6	0	0	0
HELENA	38	12	48	-14	25	7	.2	-1.2	.1	.5	61	.2	67	83	57	0	7	0	0	0
KALISPELL	35	17	46	8	26	7	.2	-1.3	.1	1.3	57	.6	100	96	70	0	6	2	0	0
MILES CITY	34	16	45	3	25	11	.1	0	.1	.8	98	.3	150	87	62	0	7	1	0	0
MISSOULA	35	17	46	4	26	5	.1	-1.2	.1	.7	41	.3	50	97	71	0	6	3	0	0
NE GRAND ISLAND	45	16	66	-2	31	11	.0	-1.1	.0	.3	32	.0	0	81	31	0	7	0	0	0
LINCOLN	43	13	65	-2	28	10	.0	-1.1	.0	.4	43	.0	0	80	32	0	7	0	0	0
NORFOLK	40	14	59	-6	27	9	.0	-1.1	.0	.5	59	.0	0	81	39	0	7	0	0	0
NORTH PLATTE	38	14	49	5	26	5	.0	-1.1	.0	.8	146	.0	0	83	55	0	7	0	0	0
OMAHA	39	14	61	-7	26	8	.0	-1.1	.0	.4	36	.0	0	71	43	0	7	0	0	0
SCOTTSBLUFF	39	14	46	4	27	3	.0	-1.1	.0	1.1	156	.0	0	88	57	0	7	0	0	0
VALENTINE	34	15	51	4	25	6	.0	-1.1	.0	.3	66	.0	0	77	60	0	7	0	0	0
NV ELY	48	18	58	9	33	9	.0	-1.2	.0	.6	58	.0	0	87	39	0	7	2	0	0
LAS VEGAS	64	37	70	30	51	7	.0	-1.1	.0	.9	9	.0	0	58	19	0	2	0	0	0
RENO	52	26	57	21	39	8	.1	-1.2	.1	.9	52	.3	75	94	35	0	7	1	0	0
WINNEMUCCA	46	25	52	22	36	7	.1	-1.2	.1	1.0	82	.1	33	93	45	0	7	1	0	0
NH CONCORD	29	9	40	1	19	-1	.4	-1.3	.4	3.0	67	1.3	130	81	43	0	7	1	0	0
NJ ATLANTIC CITY	40	20	52	14	30	-2	.2	-1.6	.2	1.7	35	.7	58	76	33	0	7	1	0	0
NM ALBUQUERQUE	49	23	55	19	36	2	.2	-1.1	.2	.4	51	.2	100	84	36	0	7	2	0	0
CLOVIS	51	22	62	15	37	0	.0	-1.1	.0	.2	20	.0	0	63	26	0	6	0	0	0
ROSWELL	49	21	67	13	35	-4	.3	-1.3	.3	.4	106	.3	300	85	43	0	7	1	0	0
NY ALBANY	28	12	39	1	20	-1	.3	-1.3	.2	2.5	63	.4	44	83	49	0	7	2	0	0
BINGHAMTON	25	13	33	1	19	-2	.1	-1.5	.1	2.4	61	.2	22	86	46	0	7	5	0	0
BUFFALO	29	16	37	1	22	-2	.7	0	.6	5.7	127	.8	73	88	60	0	7	4	1	1
NEW YORK	37	25	45	16	31	-1	.5	-1.2	.5	1.5	32	.9	82	57	30	0	6	1	1	0
ROCHESTER	29	15	39	0	22	-2	.4	-1.1	.2	2.5	74	.5	63	86	53	0	7	3	0	0
SYRACUSE	30	14	39	-1	22	-1	.4	-1.3	.2	2.3	55	.5	50	86	57	0	7	4	0	0
NC ASHEVILLE	46	18	53	8	32	-5	.3	-1.8	.7	.7	15	.0	0	73	23	0	7	0	0	0
CHARLOTTE	49	24	55	13	36	-4	.0	-1.8	.9	.9	19	.0	0	68	22	0	6	0	0	0
GREENSBORO	47	22	59	11	35	-3	.0	-1.8	.5	3.2	0	.0	0	65	23	0	6	0	0	0
HATTERAS	49	35	58	27	42	-4	.1	-1.0	.0	1.2	19	.5	29	86	43	0	3	2	0	0
NEW BERN	51	26	58	16	38	-6	.0	-1.9	.7	.7	14	.2	14	81	28	0	7	0	0	0
RALEIGH	47	23	55	11	35	-5	.0	-1.8	.0	1.0	22	.2	17	75	26	0	7	0	0	0
WILMINGTON	52	27	61	17	40	-6	.1	-1.8	.1	1.6	35	.3	25	84	27	0	6	0	0	0
ND BISMARCK	28	4	46	-16	16	10	.0	-1.1	.0	.5	63	.1	50	91	62	0	7	1	0	0
FARGO	22	1	44	-24	11	7	.0	-1.1	.0	.7	76	.1	50	86	67	0	7	0	0	0
GRAND FORKS	23	-5	43	-30	9	7	.0	-1.2	.0	.4	48	.1	33	89	67	0	7	0	0	0
WILLISTON	29	12	43	-4	21	-4	.0	-1.1	.9	124	.2	100	91	67	0	7	0	0	0	0
OH AKRON-CANTON	29	15	39	1	22	13	.0	-1.6	.0	3.0	83	.2	20	85	51	0	7	3	0	0
CINCINNATI	36	16	48	5	26	-4	.1	-1.7	.0	1.5	38	.0	0	83	37	0	7	1	0	0
CLEVELAND	30	16	41	1	23	-3	.0	-1.5	.1	2.8	77	.2	22	84	49	0	7	1	0	0
COLUMBUS	34	16	46	5	25	-2	.0	-1.6	.0	1.9	51	.0	0	82	42	0	7	1	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending January 11, 1986

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
DAYTON	34	16	46	5	25	-2	T	-1.6	T	2.2	65	T	0	83	41	0	7	0	0
TOLEDO	30	12	41	-3	21	-2	T	-1.5	T	1.8	53	.2	25	86	52	0	7	1	0
YOUNGSTOWN	29	15	39	2	22	-2	T	-1.6	T	2.2	57	.1	10	83	50	0	7	1	0
OK OKLAHOMA CITY	48	24	64	13	36	0	0	0	0	.3	17	0	0	68	25	0	7	0	0
TULSA	47	22	67	12	35	0	0	0	0	-3	1.4	60	0	76	27	0	7	0	0
OR ASTORIA	57	41	67	36	49	8	1.8	.6	1.8	6.0	38	3.4	81	95	61	0	0	4	2
BURNS	36	15	40	7	26	0	.1	-1	0	.9	84	.2	100	11	1	0	7	2	0
MEDFORD	53	34	57	25	44	7	.2	.6	.1	1.2	25	.4	31	99	65	0	3	3	0
PENDLETON	40	26	46	21	33	1	.3	-1	.2	1.8	78	.6	86	96	67	0	7	2	0
PORTLAND	51	37	54	34	44	5	1.0	-5	4.0	4.5	45	1.8	78	96	69	0	7	0	1
SALEM	52	36	57	29	44	5	1.0	-7	4.6	4.7	47	2.1	81	99	76	0	2	4	1
PA ALLENTOWN	35	19	41	12	27	0	.2	-6	2.0	4.0	40	.3	25	72	33	0	7	1	0
ERIE	31	19	40	10	25	0	.2	-4	3.1	74	.3	33	82	47	0	7	1	0	0
HARRISBURG	37	21	43	14	29	-1	T	-7	1.4	31	0	0	66	34	0	7	1	1	0
PHILADELPHIA	40	23	51	14	31	0	.2	-6	2.2	1.7	37	.7	58	70	32	0	7	1	0
PITTSBURGH	32	17	41	6	25	-3	.1	-6	2.4	68	.2	20	73	40	0	7	2	0	0
SCRANTON	31	19	37	9	25	-1	T	-5	2.0	58	0	0	76	40	0	7	2	0	0
RI PROVIDENCE	35	19	44	9	27	-1	.4	-5	2.6	43	1.2	80	69	32	0	7	1	1	0
SC CHARLESTON	53	32	62	25	42	-6	.8	.1	2.2	50	.9	75	85	26	0	5	2	1	0
COLUMBIA	51	22	60	10	37	-8	T	-1.0	.9	18	0	0	85	21	0	6	1	0	0
FLORENCE	52	28	61	16	40	-5	T	-8	.9	22	T	0	76	23	0	5	0	0	0
GREENVILLE	50	23	58	12	37	-4	0	-9	1.5	27	0	0	63	18	0	6	0	0	0
SD ABERDEEN	24	2	45	-24	13	5	T	-1	.6	110	.1	100	90	70	0	7	0	0	0
HURON	25	1	43	-21	13	2	T	-1	.9	135	.2	200	80	60	0	7	0	0	0
RAPID CITY	39	17	51	4	28	7	T	0	.9	166	.2	200	83	51	0	7	2	0	0
STOUX FALLS	27	6	42	-20	17	4	T	-1	.7	82	.3	150	85	61	0	7	0	0	0
TN CHATTANOOGA	48	22	56	13	35	-4	T	-2	2.4	34	T	0	80	27	0	6	0	0	0
KNOXVILLE	46	19	54	9	33	-5	0	-1	2.4	38	0	0	80	27	0	7	0	0	0
MEMPHIS	46	23	55	18	35	-5	T	-1	3.3	50	T	0	75	29	0	7	0	0	0
NASHVILLE	43	19	53	12	31	-6	0	0	.9	15	0	0	75	29	0	7	0	0	0
TX ABILENE	52	27	67	20	40	-4	0	0	T	3	0	0	63	27	0	6	0	0	0
AMARILLO	51	20	65	12	36	1	0	0	.3	40	0	0	74	23	0	7	0	0	0
AUSTIN	54	35	66	33	45	-4	.3	0	1.4	55	.4	80	80	39	0	3	3	0	1
BEAUMONT	56	36	63	28	46	-6	.9	-1	3.7	61	.9	60	91	42	0	2	4	1	0
BROWNSVILLE	63	41	76	37	52	-8	.9	.7	1.9	86	.9	225	94	60	0	0	2	1	1
CORPUS CHRISTI	57	38	68	34	48	-8	1.5	1.2	3.1	161	1.5	250	90	56	0	0	2	1	1
DEL RIO	53	31	63	25	42	-8	1.6	1.5	.9	1.6	237	1.6	78	41	0	4	2	2	0
EL PASO	54	22	62	15	38	-6	T	-1	.1	12	0	0	72	28	0	7	0	0	0
FORT WORTH	53	28	66	24	40	-4	T	-1	.6	26	T	0	75	28	0	6	0	0	0
GALVESTON	54	41	60	36	48	-6	.8	.1	.5	72	.8	73	88	50	0	6	0	5	0
HOUSTON	55	36	65	31	45	-6	.7	-1	.4	94	.7	64	85	45	0	1	5	0	0
LUBBOCK	53	22	66	14	38	-1	0	-1	.2	33	0	0	67	21	0	6	0	0	0
MIDLAND	52	22	68	12	37	-6	.2	.1	.2	.3	.2	200	78	28	0	7	1	0	0
SAN ANGELO	53	27	67	22	40	-5	.3	.1	.2	.3	.3	150	83	31	0	6	2	0	0
SAN ANTONIO	55	33	66	28	44	-6	.6	.3	.3	.7	.4	140	84	44	0	0	1	0	0
VICTORIA	56	37	66	33	46	-7	.9	.5	.7	3.2	117	.9	91	52	0	0	3	1	0
WACO	55	31	66	26	43	-3	T	-3	2.0	82	0	0	79	32	0	5	1	0	0
WICHITA FALLS	52	22	68	15	37	-3	0	0	.1	7	0	0	70	28	0	6	0	0	0
UT BLANDING	45	21	52	17	33	7	T	-3	T	1	T	0	85	48	0	7	0	0	0
CEDAR CITY	47	21	55	14	34	5	.1	0	.1	.5	52	.1	50	93	41	0	7	1	0
SALT LAKE CITY	31	17	40	6	24	-4	.2	-1	.2	1.7	90	.2	40	91	73	0	7	2	0
VT BURLINGTON	25	6	37	-12	15	-2	.1	-3	.1	1.9	62	.3	43	77	48	0	7	1	0
VA NORFOLK	45	27	54	19	36	-4	0	0	1.4	30	.5	38	69	32	0	5	0	0	0
RICHMOND	45	23	58	13	34	-3	T	-7	.9	15	.1	8	73	27	0	7	0	0	0
ROANOKE	45	21	55	9	33	-3	T	-6	.9	22	T	0	66	23	0	7	0	0	0
WA COLVILLE	36	25	43	10	31	7	.3	-3	.1	1.6	46	.8	89	98	86	0	6	4	0
QUILLAYUTE	53	39	60	33	46	7	4.7	1.2	1.6	10.2	46	6.5	116	99	66	0	0	6	5
SEATTLE-TACOMA	51	41	55	35	46	7	1.1	-3	.5	4.2	49	2.4	109	91	57	0	0	5	1
SPOKANE	37	22	41	12	29	4	.4	-2	.3	1.5	44	.8	89	99	77	0	6	3	0
YAKIMA	37	21	44	9	29	2	.4	0	.2	1.6	86	.6	100	98	74	0	7	3	0
WV BECKLEY	36	14	43	0	25	-5	T	-7	T	1.8	39	0	0	82	37	0	7	1	0
CHARLESTON	41	18	48	6	29	-4	T	-7	T	2.7	61	0	0	75	33	0	7	1	0
HUNTINGTON	39	18	48	8	29	-4	T	-8	T	2.1	49	0	0	79	35	0	7	1	0
PARKERSBURG	36	16	44	3	26	-5	.1	-8	.1	1.9	48	.1	8	87	42	0	7	1	0
WI GREEN BAY	24	4	39	-17	14	-1	T	-3	T	2.2	119	.4	100	85	60	0	7	0	0
LA CROSSE	23	1	43	-19	12	-2	T	-2	T	1.2	82	T	0	81	57	0	7	0	0
MADISON	24	3	39	-21	13	-2	T	-3	T	2.9	149	.6	150	88	59	0	7	0	0
MILWAUKEE	24	9	37	-8	17	-2	T	-4	T	3.2	120	.6	86	81	58	0	7	0	0
WAUSAU	23	1	39	-20	12	-1	T	-2	T	1.3	83	.1	33	84	50	0	7	0	0
WY CASPER	35	20	43	10	28	6	.2	.1	.2	1.3	208	.2	200	80	54	0	7	1	0
CHEYENNE	45	24	56	16	35	9	.1	0	.1	.9	184	.1	100	72	37	0	6	1	0
LANDER	27	4	36	-6	16	-3	.2	-2	.2	1.9	288	.2	200	93	66	0	7	1	0
SHERIDAN	45	21	55	4	33	14	T	-1	T	.4	44	.1	50	85	43	0	7	1	0
PR SAN JUAN	82	68	86	66	75	-2	1.2	.5	1.1	4.2	75	2.2	183	97	65	0	0	5	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 1-11-1986
ACCUMULATIONS ARE FROM JULY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

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

National Agricultural Summary

January 6 to 12, 1986

HIGHLIGHTS: Open weather allowed cotton harvest to progress in the Southeast. Corn and soybean harvest made good progress and neared completion in most areas. The cold weather slowed small grain development in Texas, but warm temperatures induced growth as far north as Kansas. The lack of moisture and snow cover concerned wheat producers in the central Plains. Soil moisture was generally adequate but was short in the Central Plains and in some Western States.

Snow adequately protected wheat from cold weather in the northern half of the Nation. The crop was fair to mostly good. Cotton harvest was active in Texas, Oklahoma, and in the Southeast. Cotton harvest was nearing completion in all three areas. Corn and soybean harvest increased during the week. Although harvest was near completion in most areas, a few fields remained to be harvested in the Southeast, Corn Belt, and northern Plains. Snow depth hampered harvest progress in some areas. Livestock was mostly good. Supplemental feeding and stress lessened in most areas as temperatures increased.

SMALL GRAINS: Winter wheat was fair to mostly good. Snow cover protected stands from freezing temperatures across the northern half of the Nation. Warm temperatures melted snow in Nebraska, but the wheat was generally good. More snow will be needed for protection and moisture through the rest of winter. In Kansas, abnormally high temperatures caused growth and melted snow, which left wheat vulnerable to freeze damage. The warm weather induced wheat growth in Oklahoma. The crop was mostly good, but needs moisture. Winter wheat in Oregon is expected to show some winterkill. Cold temperatures slowed small grain growth in Texas. In the Plains and Cross-Timbers, wheat was virtually dormant. The lack of moisture was becoming a problem in these areas. Greenbugs and grain mites increased in many fields. Wheat was in good condition in Colorado with adequate snow cover.

OTHER CROPS: Cotton harvest was active in Texas, Oklahoma, and in the Southeast. Texas cotton harvest was 97 percent (%) complete, 2 points ahead of normal. Harvest made good progress across the Plains and in the Cross-Timbers area. Rain delayed cotton harvest in Georgia. A few fields of cotton was picked in the Western States, but mostly harvest is finished.

Corn and soybean harvest continued in the Corn Belt, the Southeast, and the northern Plains. Clear weather allowed farmers to nearly complete row crop harvest in Missouri. Michigan's corn and soybean harvests were 95 and 97% complete, respectively. Snow depth hampered harvest in some

areas of the Corn Belt and northern Plains. North Carolina farmers pushed soybean harvest to 96% completion, just 2 points behind normal.

Kentucky tobacco producers removed the remaining burley out of case, but it was too dry and brittle to strip. Farmers continued preparing seedbeds. In Georgia tobacco plants were in good condition. Florida tobacco growers began preparing land for transplanting.

VEGETABLES: Rain slowed land preparation and planting of spring vegetables in Florida's southern areas. Shipments of winter vegetables increased to near pre-holiday levels. Early-crop strawberries passed peak production, but quality and size remained good. Despite wet conditions, carrots, broccoli, and cabbage were harvested in Texas' Rio Grande Valley. Spinach, broccoli, carrots, lettuce, and cabbage harvests continued in the San Antonio-Winter Garden area. In Arizona, Iceberg lettuce harvest was completed in the Central Valley, but harvest was active at Yuma. Cauliflower, broccoli, asparagus, and mixed vegetables were picked in Yuma and in the Central Valley. Potato planting gained momentum. California broccoli harvest was light in Salinas but was heavy in other areas. Carrot harvest increased at Coachella and in the Imperial Valley. Lettuce harvest was very heavy in the Imperial Valley with better quality and more weight. In the San Joaquin Valley, processing tomatoes were planted as soil condition permitted.

FRUIT AND NUTS: Florida's citrus groves were in very good condition. Rain eased the need for irrigation in most areas. The cool weather discouraged new growth. Damage fruit from the Christmas-week freeze was rapidly picked to minimize loss. Grapefruit movement was active and Temple orange harvest gained momentum. Lemons, tangerines, grapefruit, and Navel oranges were picked in Arizona. California citrus harvest continued. Fruit droppage and high cull rate was noted in San Joaquin Valley Navel oranges. Buds swelled in early apricot varieties in the San Joaquin Valley but growers were concerned about low temperatures. Sacramento and San Joaquin Valley producers pruned and sprayed orchards. Grape and kiwifruit were pruned and canes were tied. Wet soil delayed pruning and spraying in almond orchards.

PASTURES AND LIVESTOCK: Warm temperatures improved pastures in the southern half of the Nation and allowed some grazing. The warm weather lessened the need for supplemental feeding and eased livestock stress. Livestock were generally good. Hay supplies remained short in some areas.

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall totals mostly less than 0.10 in. northern half State and 0.50 to 0.75 in. central and south. Temperatures averaged 1 to 5° below normal most locations north, 1 to 6° below normal central and south.

Soil moisture normal statewide. Livestock and poultry conditions generally good.

ARIZONA: Very light rain, snow early week. Remainder of week sunny, mild days and clear cold nights dominated. By 10th highs reached middle 50s high country, 60s at 5,000 ft. level and upper 70s and lower 80s southwest deserts. Averages varied from near normal southeast to 3 to 8° above normal remainder of State.

Cotton harvested 99%, 94% of Upland crop ginned. Shredding, plowdown light. Alfalfa fair to good condition. Harvest light, sheep grazing continued. Late corn drying out. Wheat, barley seedings 75%, 70% 1984, 80% avg. Crops emerging, stands good to excellent condition. Lemons, tangerines, grapefruit, Navel oranges picked. January 1 citrus harvested percentages as follows: Lemons 80%, grapefruit 21%; Navel, sweet oranges 60%; tangerines 67%. Groves good condition. Pecan harvest advanced. Iceberg lettuce harvest completed central Valley. Harvest active Yuma. Cauliflower, broccoli, asparagus, mixed vegetable harvests continued at Yuma, Central Valley. Rapini shipped from Eloy-Marana district. Dry onion crop made good progress. Potato planting gained momentum.

ARKANSAS: Consistent dry air; considerable variation in temperature with extremes none to 73°. Rainfall none to 0.22 in.

Wheat and oats fair; rain needed. Pasture rated average. Livestock good, warm weather deferred hay feeding.

CALIFORNIA: Ridge of high pressure that has dominated State's weather since mid-December gave way early week and light rain fell throughout State. By 7th ridge re-established itself and same persistent conditions returned. Temperatures 80s southern areas; fog San Joaquin, Sacramento Valleys; sunshine Sierra Nevada.

Seeding small grains active weather permitting. Fog slowed growth. Dryland grain needs moisture desert and north. Weed control alfalfa, small grains, next years corn and cotton weather allowing. Few cotton fields not plowed due soggy soil. Buds swelled early apricot varieties, San Joaquin Valley; growers concerned by low temperatures. Avocado harvest active, southern areas. Pruning, spraying continued Sacramento, San Joaquin Valleys. Some older orchards, vineyards removed. Pruning, cane tying continued grapes, kiwifruit. Citrus harvest continued. Fruit droppage and high cull rate noted San Joaquin Valley Navel oranges. Pruning, spraying continued almond orchards, some delays from wet soil. Bare root nursery digging continued. Artichokes light Salinas area good quality, but frosted appearance. Asparagus light but increasing desert area benefiting from warm weather and excellent demand. Broccoli fairly light Salinas, fairly heavy Santa Maria variable quality. Harvest active San Joaquin Valley, Palo Verde Valley, and south coast. Broccoli heavy desert areas. Carrot harvesting increased primarily Coachella and also Imperial Valleys. Cauliflower fairly heavy Coachella and Imperial

Valleys. Harvesting continued San Joaquin Valley good quality. Cauliflower Salinas very light most shippers finished. Quality poor to variable. Santa Maria heavy variable quality. Celery light Santa Maria, Imperial, Coachella Valleys; variable quality. Lettuce very heavy Imperial Valley quality and weight improving. Light supplies Blythe. Fall potato movement Tulelake-Butte Valley continued steady. Harvesting White Rose and Red varieties continued Hemet-San Jacinto. Processing tomatoes being planted as soil conditions permitted west San Joaquin Valley. Ranges fair condition. Northern districts needed rain. Stock ponds reservoirs low or empty. Central districts grass growth slow due fog, overcast skies. Bee colonies continued to be moved San Joaquin Valley overwintering. Some losses lambs due to coyotes reported.

COLORADO: Up to 5 in. of new snow received northern one-half State 13th. Precipitation amounts at lower elevations 0.10 to 0.20 in. range. Little or no moisture remainder week. Average temperatures mostly within 2° of normal except eastern Foothills and southeast generally 3 to 5° above normal.

Wheat good condition with adequate snow cover most areas. Feeding and caring for livestock major farm activities.

FLORIDA: Cold morning 6th with freezing north, frost central. Wet, cloudy late 6th through morning 10th. Record January rains around 4.00 in. or more portions central, east. Cold again morning 12th north with freezing temperatures northwest. Readings averaged 5 to 8° below normal northwest to 5° above normal south. Rainfall averaged 2.00 to 4.00 in. statewide.

Heavy late week rains over most State replenished topsoil moisture and resulted in surplus supplies along some east coast, upper northern Peninsula areas. Winter wheat making good progress. Tobacco planted preparation, seeding continued; some tobacco land being prepared. Land preparation, field activities for spring planting slowed by rains but will resume as soils dry. Most pastures benefited from recent rains. Some rye pastures north areas recovering from fungal disease, heat stress brought on by high fall temperatures. Pastures mostly fair condition. Supplemental feeding active. Cattle condition good lower Peninsula, continued mostly fair elsewhere. Citrus very good condition. Rain most areas this week, irrigation generally discontinued. Cool weather discouraged new growth. Damage fruit from Christmas week freeze rapidly being picked to minimize loss. Orange harvest for processing increased, grapefruit movement active, Temple harvest gaining. Moderate to heavy rains over most vegetable producing areas. Some locally heavier rain central, southeast areas. Temperature mostly mild with daytime highs in 70s to 80s, overnight lows in 50s to 60s. During much of week strong, gusty winds accompanied showers. Shipments of nearly all crops increased to near pre-holiday levels. Supplies of most crops steady. Early crop strawberries past peak production; quality, size continue very good. Land preparation, planting spring vegetables, watermelon active southern areas, but slowed by late week rains.

GEORGIA: Cool week temperatures near normal over north, 4 to 6° below normal central and south. Highs low 60s north and low to mid 60s central and south. Lows in teens north to low and mid 20s central and south. Rainfall mostly under 0.10 in. northern half of State, 0.50 to 0.75 in. central counties, and 1.00 to 2.00 in. south.

Soil moisture mostly adequate. Land preparation active many areas before rains. Soybean and cotton harvesting active but delayed by rain late week. Small grains poor to mostly good. Pastures poor to fair. Cattle fair to mostly good. Hogs good. Tobacco plants good.

HAWAII: Weather conditions remained generally fair for most crop growing areas. Northerly winds 15 to 25 mph brought light showers and cold temperatures to island chain early week. Harvesting of bananas steady. Papaya supplies light. Orchards good condition with regular spraying programs. Vegetable supplies continue light due to cool and wet weather.

IDAHO: Light precipitation over north central prairies and central mountains beginning of week. Spread over State by midweek; then dry conditions returned during last part of week. Temperatures few degrees above normal north and few degrees below normal across rest of State.

Minimal farm activity due to cold, wintery weather. Livestock care and maintenance primary activities. Despite cold weather, livestock remained good condition with feed supplies adequate most areas.

ILLINOIS: Temperatures 3 to 6° below normal. No significant precipitation.

Winter wheat mostly good condition, benefiting from mild temperatures. Livestock mostly good.

INDIANA: Temperatures 1 to 5° below normal. Lows single digit below zero north to single digit above zero south. Highs upper 30s north to near 50° south. No precipitation south to less than 0.10 in. north.

Harvesting continued on frozen ground, but was limited depending on depth of snow. Corn 98% harvested, 100% 1984, 100% avg. Soybeans over 99% combined, 100% 1984, 100% avg. Snow cover heavier north, but very light elsewhere offering only limited protection for wheat and other overwintering crops. Winter temperatures caused only limited damage to overwintering crops and minimum stress to livestock. Other activities: Spreading lime and fertilizer, hauling manure, cutting wood, attending meetings, caring for livestock and usual chores.

IOWA: Dry week with seasonal temperatures east to mild west. Cold early week becoming warm late week. Coldest morning 7th or 8th with -20° Mason City, Dubuque and -22° Waterloo. Warmest 11th with 56° Sioux City, 60° at Shenandoah. Snow cover diminished to about 10 in. northeast and with mostly bare ground southwest and south.

With snow cover diminishing across State it has given farmers a chance to harvest some late row crops, improved corn stock grazing for livestock. Late week warming reduced strain on livestock increasing gains.

KANSAS: No precipitation. Temperatures averaged 32° northeast, 33 to 36° elsewhere, 3° above normal southeast, 5 to 8° above normal rest of State.

Soil surface loose and dry, some soil blowing west. Potential for freeze damage to wheat with absence of snow cover for abnormally high temperatures. Mild temperatures favorable for livestock. Fewer death losses of young stock and good gains in feedlots.

KENTUCKY: High pressure dominated weather. Cold first half gave way to unseasonably mild temperatures. Average high temperatures near normal, lows averaged as much as 10° below normal. No measurable precipitation.

Soil have dried considerably, some plowing. Winter weather favorable for late row crop harvesting, now mostly finished. Remaining burley out of case, too dry and brittle to strip. Concern over winter small grains, some damage and possible loss reported. Livestock generally good.

LOUISIANA: Temperatures averaged 5 to 9° below normal. Temperature extremes 21°; 64°. Rain totals averaged 0.10 to 0.20 in. over north; 1.00 to 1.50 in. across south.

Main activities: Winter chores, caring for livestock.

MARYLAND & DELAWARE: Maryland: Temperatures normal to 2° below normal except far west, 3° below; lows mostly teens; highs mostly upper 40s to mid 50s. Precipitation averaged 0.03 in., range none to 0.25 in.

Fieldwork 6.2 days suitable. Topsoil, subsoil moisture adequate. Soybeans 100% harvested, 100% 1984, 100% avg. Small grains good condition. Tobacco stripping continued as long as weather is not too cold for outside work.

Delaware: Temperatures 1° above north to 2° below south; lows 12 to 16°; highs mid 50s. Precipitation averaged 0.08 in., range 0.03 to 0.14 in.

Fieldwork 7.0 days suitable. Topsoil, subsoil moisture adequate. Soybeans 100% harvested, 100% 1984, 100% avg. Small grains good condition.

MICHIGAN: Winter continued its cold grip on State for another week. Temperatures averaged 1° above normal. Only southern zones reported below normal temperature. Moderate amounts of snow across upper Peninsula and northwest lower Peninsula and areas adjacent to Lake Michigan. Rest of State received light amounts of snow.

Fieldwork limited to 4.4 days. Corn 95% harvested, 100% 1984, 100% avg. Soybeans 97% harvested, 100% 1984, 100% avg. Corn and soybean harvest inched towards completion. Other major farm activities include manure hauling, attending farm meetings, snow plowing and pruning of grape vines and apple trees. Livestock remained in good condition. Winter wheat remains dormant with adequate snow cover over most of State. Concerns mounting over unharvested soybeans. Snow, wind and mold are affecting remaining soybeans. Unharvested corn holding up surprisingly well.

MINNESOTA: Week began very cold, but quickly became very warm and dry. Temperatures averaged from 3° above normal southeast to 9° above normal northwest. Temperature extremes -38°; 48°. Precipitation averaged 0.10 to 0.20 in. below normal. All sections except a few far north recorded no precipitation. Snow depth weekend 4 to 20 in.

Thawing temperatures thinned snow cover, but bare spots in fields still small. Continued good cover from legume hay and winter grains. Some harvesting of corn. Livestock condition good.

MISSISSIPPI: Average temperatures 5 to 10° below normal. Extremes 13°; 68°. Average rainfall southern part 0.90 to 1.30 in. Little or no rainfall northern part of State.

Fieldwork 4.7 days suitable. Soil moisture adequate. Main activities: Marketing and maintenance. Wheat and pasture fair. Livestock good. Supplies of hay and feed grains adequate.

MISSOURI: Temperatures ranged from 7° below normal extreme southeast to 4° above normal northwest. No precipitation.

Clear weather allowed farmers to nearly complete row crop harvesting. Warmer weather kept supplemental feeding to a minimum.

MONTANA: Mild and dry. Temperatures 5 to 10° above normal west and southwest, 15 to 25° above normal central and around 12° above normal east. Light precipitation west and mountains of southwest, none elsewhere.

Mild weather reduced livestock feed requirements and opened some areas for grazing. Protectiveness of snow cover reduced on winter wheat fields. Snow cover protection 36% poor, 14% fair, 45% good, 5% excellent. Wind damage to winter wheat 10% none, 78% light, 12% moderate. Winter wheat 66% fair, 34% good. Cattle 43% fair, 57% good; sheep 25% fair, 75% good. Cattle losses compared with average, 5% lighter, 85% same, 10% heavier; sheep 5% lighter, 91% same, 4% heavier. Hay, roughage supplies 80% short, 20% adequate.

NEBRASKA: Rapid warming by midweek made average temperatures ranged from 5 to 11° above normal. Little or no precipitation.

Warmer temperatures continued snow melt. Wheat generally good condition. More snow will be needed for protection and moisture through rest of winter. Farmers busy with livestock care; grain drying, moving and storing; bookkeeping.

NEVADA: Week started with a relatively warm but wet storm which brought rain to northern and central valleys and snow to higher elevations north. Under high pressure systems warmer temperatures common all areas averaging 6 to 7° above normal.

Mild temperatures easy on fall sown grains and newborn calves and lambs. Livestock feeding operations made easier with mild temperatures and lack of snow.

NEW ENGLAND: Average precipitation ranged from 1.00 in. Maine and northern New Hampshire, 0.50 in. Vermont, southern New Hampshire and northern Massachusetts. Nearly 0.25 in. southeast Massachusetts and Rhode Island, Connecticut; less than 0.10 in. Precipitation fell mainly 5th in form of snow except for rain Connecticut, Rhode Island and southeast Massachusetts. Temperatures very near normal except for southeast Massachusetts averaged about 3 to 5° below normal.

Heavy snowfall providing good cover for crops.

NEW JERSEY: Temperatures slightly below normal, averaging 27° north, 30° south, 33° coastal. Extremes 6°; 55°. Precipitation below normal with no rainfall reported.

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

NEW MEXICO: Average temperatures little above north, little below normal south.

Normal wheat 20% poor, 60% fair, 20% good. Pecans 33% fair, 67% good. Cattle 25% fair, 75% good. Sheep 11% fair, 89% good.

NEW YORK: Temperatures averaged near or a few degrees below normal; low to mid 20s central and southern sections, teens north, higher elsewhere. Extremes 23° below Watertown; 47° above Bridgehampton, Long Island precipitation below normal. Less than 0.25 in. most areas, 0.25 to 0.75 in. downwind of Great Lakes. Exceptions localized snow squall areas with up to 1.50 in.

Bitter cold and snow made farm chores difficult. Dairyman drying up cows that will calve in spring.

NORTH CAROLINA: Temperatures averaged 3 to 4° below normal statewide. Rainfall ranged from none to 0.42 in. across State.

Days suitable for fieldwork 5.2. Soil moisture 2% very short, 24% short, 73% adequate, 1% surplus. Condition: Pasture 17% poor, 51% fair, 32% good. Wheat 3% poor, 44% fair, 53% good. Oats 1% poor, 50% fair, 49% good. Barley 5% poor, 39% fair, 56% good. Rye 2% poor, 41% fair, 57% good. Harvest: Soybeans 96%, 100% 1984, 98% avg. Farm feed supplies: Hay and roughage 2% short, 90% adequate, 8% surplus. Feed grains 4% short, 89% adequate, 7% surplus. Major farm activities: Harvesting soybeans, preparing tobacco plantbeds, tending livestock, tillage operations, cutting firewood, machinery repair, cleaning ditch banks, pruning fruit trees, conservation work, mowing, and general farm maintenance.

NORTH DAKOTA: Dry, moderating weather prevailed. Temperatures cold during first part of week, warmed considerably later part of week to near record and record levels. Lowest temperature -32° 7th; highest temperature reported 51° 9th, 11th. Little or no precipitation throughout State. Trotters, Ashley received greatest amount with 0.04 in. water equivalent each.

Moderating temperatures will alleviate feed needs for livestock. Warm temperatures melted some snow cover and left some spots on winter wheat fields open.

OHIO: Lows from single digits to 20s, highs from low 40s to 50s. Precipitation light, totals under 0.10 in.

Soil temperatures 4 in. under bare ground averaged upper 20s to low 30s. No snow cover on winter wheat. Few fields of row crops still standing.

OKLAHOMA: Temperatures averaged 4° below normal south central to 3° above normal Panhandle. No precipitation reported.

Warm weekend weather induced some wheat growth. Moisture needed but not critical. Winter mostly good. Cotton harvest nearly complete. Cattle good. Pastures still sufficient for grazing. Cattle prices steady to slightly lower.

OREGON: Temperatures 1 to 11° above normal all areas, except Columbia Gorge 1° below normal. Greatest departure from normal south central area. Heaviest precipitation along coast, amounts ranged from 1.50 to 4.25 in. Western interior received about 0.50 in. southern areas to 1.50 in. northern section. Eastside precipitation 0.10 to 0.40 in. except at Columbia Gorge and eastward amounts ranged from 0.75 to 1.50 in.

Most of State east of Cascades remained under snow cover. Winter wheat and barley expected to show little winter kill. Some low elevation ranges opened with warmer weather, however hay supplies still running short. Livestock condition fair to good.

PENNSYLVANIA: Quiet dry week across State with temperatures just slightly below normal. Average weekly precipitation only 0.70 in., 0.60 in. below normal. Average weekly temperature 24°, 2° below normal. Lowest -10° Emporium on 4th; high 51° at Philadelphia 6th. Activities included hauling manure, cutting firewood and routine winter chores. Two broiler flocks located central areas tested positive for Avian Influenza and were destroyed.

PUERTO RICO: Island average rainfall 1.07 in. or 0.38 in. above normal. Highest weekly total 3.45 in. Highest 24-hour total 1.90 in. Temperatures average about 74 to 75° on coasts and 70 to

710 Interior Divisions. Mean station temperatures ranged from 65 to 79°. Extremes 48°; 91°. Total rainfall 1.28 in., plus 0.53 in.

SOUTH CAROLINA: Temperatures averaged 1 to 20 cooler than normal. Very cold early week with readings in teens - above normal reading over weekend. Light rain over south coastal Plains on 10th - remainder of State mostly rainless since January 1st.

Late soybean harvest nearing completion - remaining acreage mostly lowlying areas. Farmers continue routine chores, pruning trees, caring for livestock and repairing farm equipment.

SOUTH DAKOTA: Average temperatures ranged 5 to 10° above normal. Extremes -26°; 54°. Black Hills high 62°. Very little precipitation. Occasional light snow. Spearfish 0.20 in. snow. Snow depths 1 to 18 in.

Corn harvest progress very slow. Corn good condition; 90% harvested, 100% 1984, 100% avg. Last weeks warm weather and snow melt will make some fields southeast accessible for harvest. Winter wheat good with several inches of snow insulation on most fields. Feed supplies short west, mostly adequate elsewhere. Livestock good except areas west with no feed.

TENNESSEE: Average lows well below normal; range 15 to 25°. Average high temperatures slightly above normal; range 44 to 50°. Precipitation limited, mainly in east, amounts less than 0.10 in.

Tobacco markets reopened January 6th. Supplemental feeding of livestock, general farm chores main farm work.

TEXAS: Heavy snows from Permian Basin into southwest midweek as upper level disturbance stalled south Big Bend Country. System kept State cloudy, cold until 9th, when pleasant warmup under sunny skies, -light breezes through 12th, Panhandle, much north escaped harsh weather with only light precipitation, weak chill. Few snow flurries, brief sleet, freezing rain eastward to Bryan, College Station, Houston; main snowfalls confined to Permian Basin, Edwards Plateau, Winter Garden around Del Rio. Temperatures colder than normal.

Crops: Cotton 97% harvested, 83% 1984, 95% avg. Harvest progress last week Plains, Cross-Timbers. Good amount cotton now in modules. Ginning active these areas. Final harvest operations winding down soon. Wheat 100% emerged, 100% 1984, 100% avg. Wheat 3% poor, 37% fair, 53% good, 7% excellent. Growth small grain slowed many areas after cold temperatures returned to State during week. Wheat Plains, Cross-Timbers virtually dormant because cold weather. Lack of moisture becoming problem these areas. Greenbugs, grain mites increasing many fields. Blacklands moisture short, causing slow growth wheat, oats. Greenbugs, grain mites remain light this area. Small amounts moisture last week, form of rain, sleet, not much help. Central, east wheat fields received larger amounts moisture, benefiting growing conditions. Some early fields oats frozen back, some fields turning yellow from cold weather. Most fields east, central providing good grazing. Peanuts 100% harvested, 100% 1984, 100% avg. Soybeans 100% harvested, 100% 1984, 100% avg. **Other Field Crops:** Sugarbeets 100% harvested, 100% 1984, 100% avg. Pecans 95% harvested, 100% 1984, 100% avg. Pecan harvest moved slow pace last week. Quality remaining nuts below average many areas. Sunflowers, oats 99% planted, 100% 1984, 100% avg.

Commercial Vegetables: Rio Grande Valley, harvest active broccoli, cabbage, carrots despite wet conditions. Onions making good progress.

Prices good most fresh market vegetables. San Antonio-Winter Garden, harvest spinach, broccoli, carrots, cabbage, lettuce continued.

Range and Livestock: Pasture, range conditions decreased many areas last week because lack of moisture, cold temperatures. Only pastures east, portions central good condition. Small grain fields providing limited grazing Plains, Cross-Timbers because slow growth. Some producers moving livestock off pastures last week because limited grazing. Supplemental feeding increased with colder weather. Livestock remained fair to good condition. Winter calving, lambing some areas.

UTAH: Precipitation reported by most stations - light southern half and Uinta Basin, moderate northern valleys, heavy northern mountains. Temperatures average 4° below normal northern half of State, 3° above southern half.

Snow cover adequate for fall seeded grains. Livestock generally good shape, few feed storages possible later on if cold persists. Early spring control of grasshoppers planned, both on federal and private lands. Early start essential to avoid last years disaster in north, western areas. Above average water supplies projected for spring 1986.

VIRGINIA: Cold first half, moderating last half of week. Overall temperatures slightly below normal. Low 20; high 62°. Precipitation very sparse, maximum received 0.03 in. but most areas had only a trace.

Days suitable for fieldwork averaged 3.3. Topsoil moisture 12% short, 78% adequate, 10% surplus. Some areas still harvesting corn, soybeans. Marketing burley, fire-cured, sun-cured tobacco. Pruning orchards. Winter grains good to excellent. Livestock good to excellent. Calving, lambing progressing well. Feed supplies mostly adequate. Common winter chores active - taxes, records, meetings, machine repair, firewood cutting, livestock feeding, and spring planning.

WASHINGTON: Mild temperatures throughout State with measurable rain almost every day west and 3 to 4 days east of Cascades.

Days suitable for fieldwork less than 1.0. Soil moisture 90% adequate, 10% good. Range and pasture 65% short, 35% adequate. Hay supplies 45% short, 55% adequate. Blueberry growers continued pruning. Some Christmas tree growers started planting. Lambing continued.

WEST VIRGINIA: Temperatures averaged 1 to 13° below normal except eastern Panhandle normal. Low -30° Elkins; high 65° at Moorefield; Statewide average temperature 28°. Precipitation averaged 0.61 to 0.75 in. below normal. Average precipitation 0.02 in.

Days worked 3.5. Soil moisture adequate. Feed supplies adequate to short.

WISCONSIN: Bitter cold temperatures first half of week, mild temperatures above normal second half. Light snow fall Lake Superior snowbelt 6th; snow flurries statewide 12th.

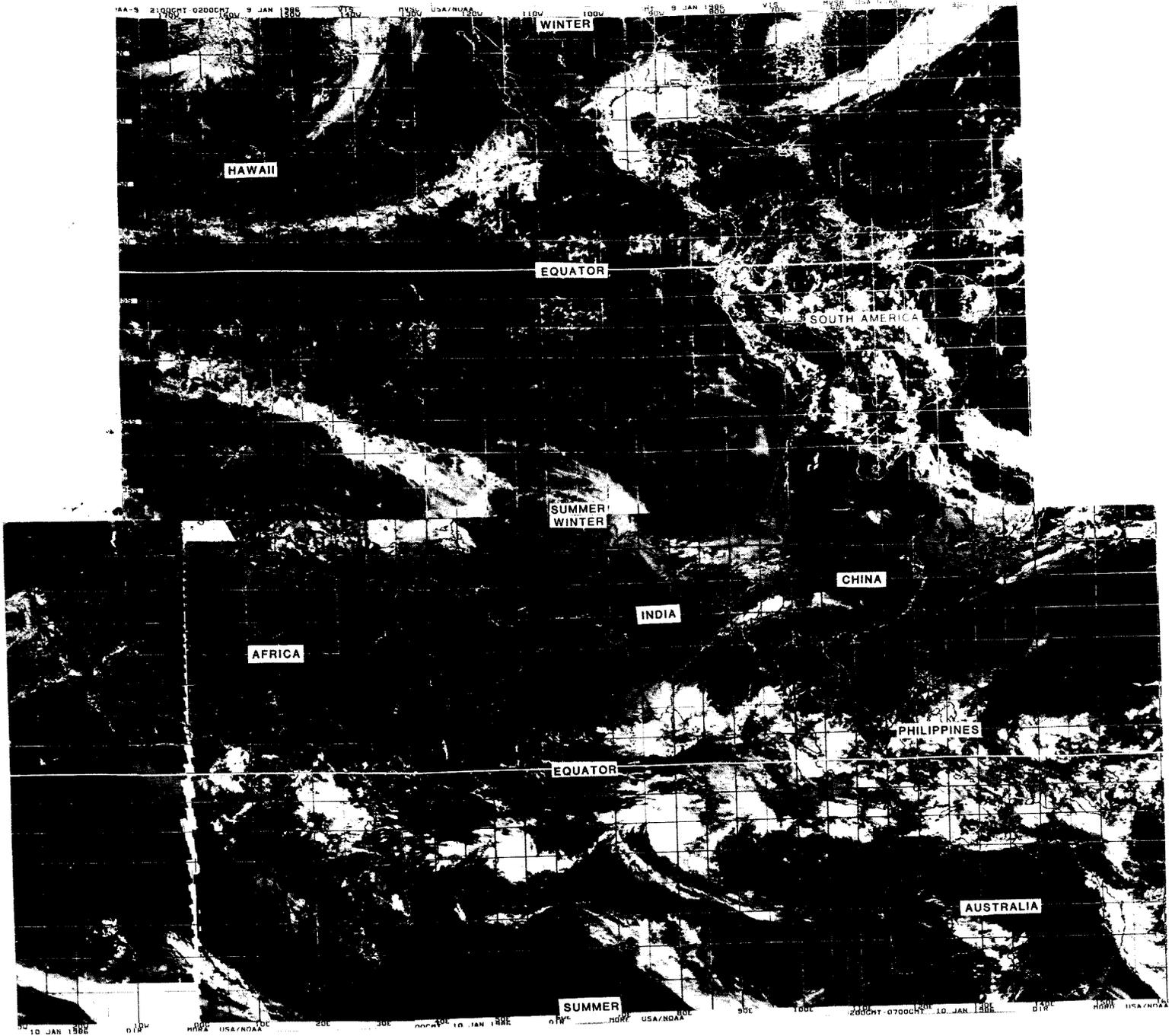
Farm activity limited to feeding, manure spreading. Some corn being harvested deep snow standing well in fields.

WYOMING: Mostly fair weather and above normal temperatures. Precipitation below normal except for scattered locations.

Warmer temperatures melting snow cover from pastures and crop areas. Some wind erosion on wheat. Supplemental feeding continued. Livestock good condition. Local hay shortages with much being shipped in, prices rising.

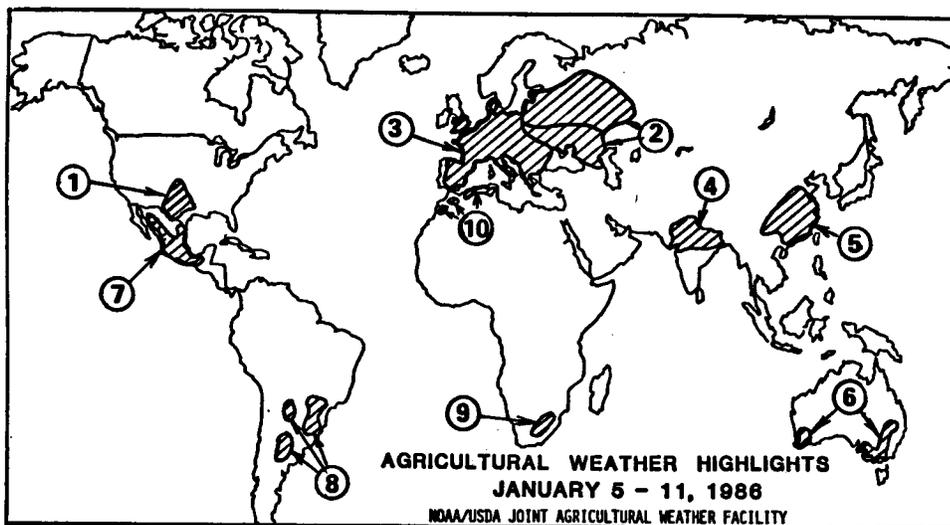
GLOBAL WEATHER SATELLITE IMAGE

January 9-10, 1986



International Weather and Crop Summary

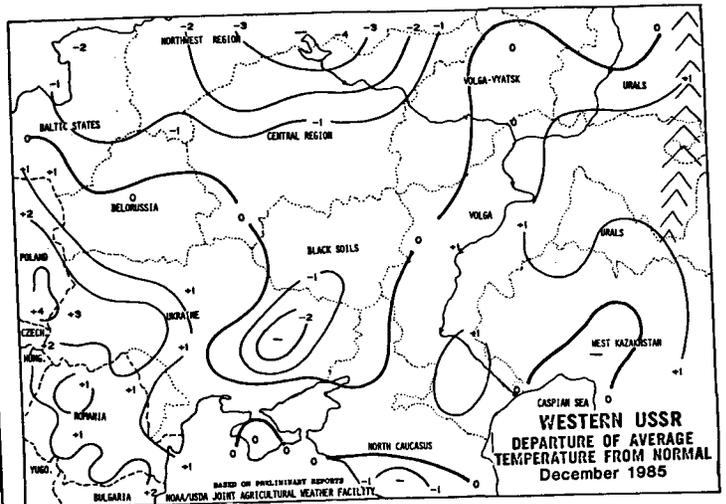
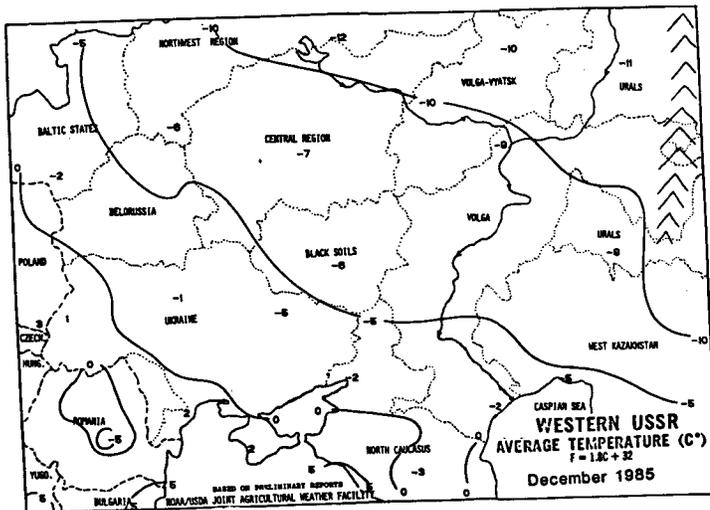
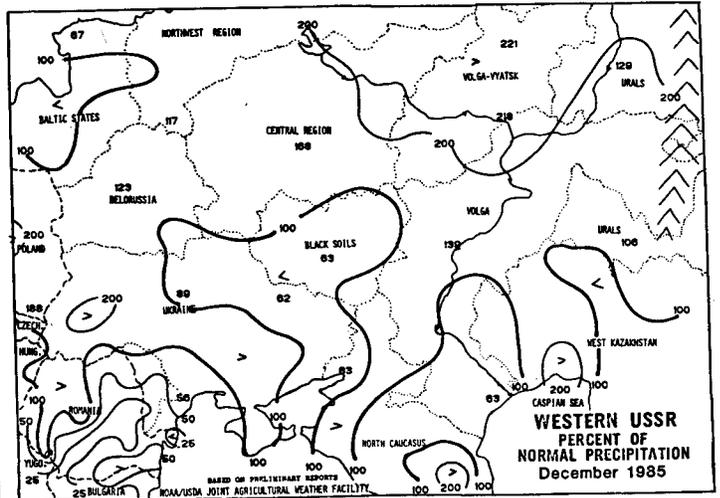
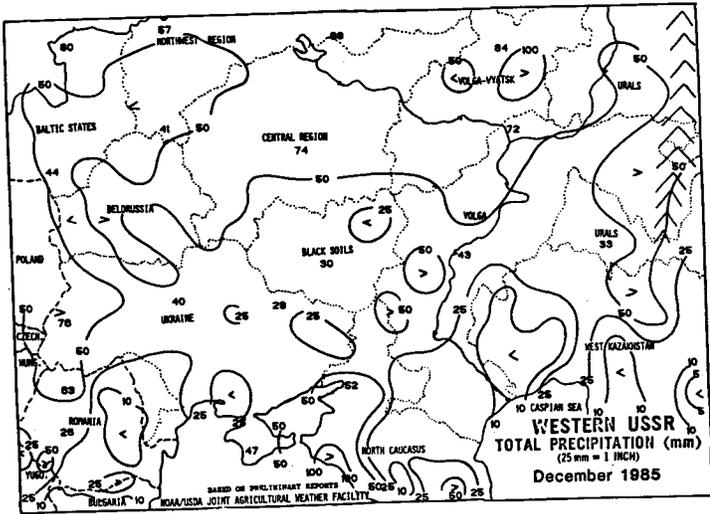
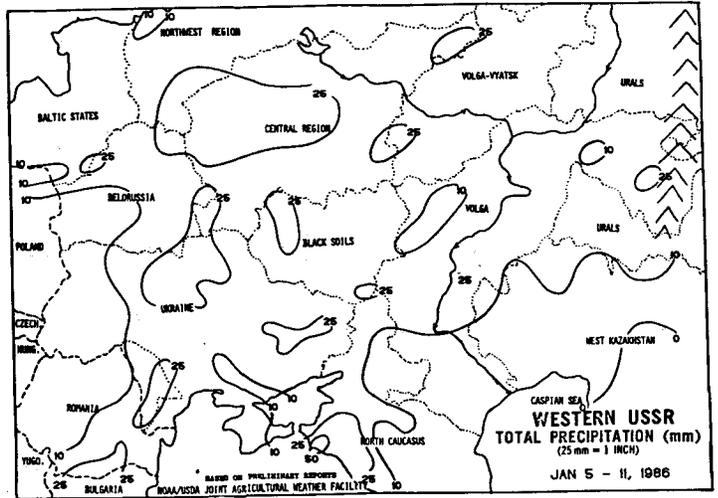
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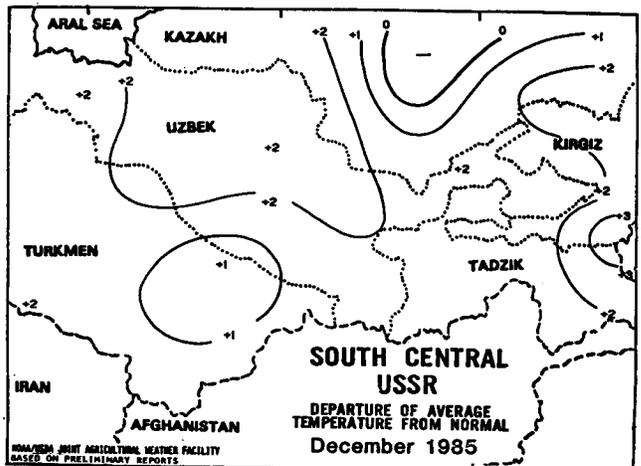
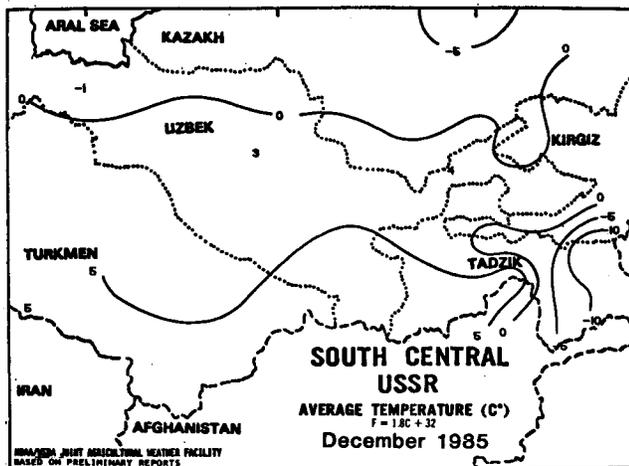
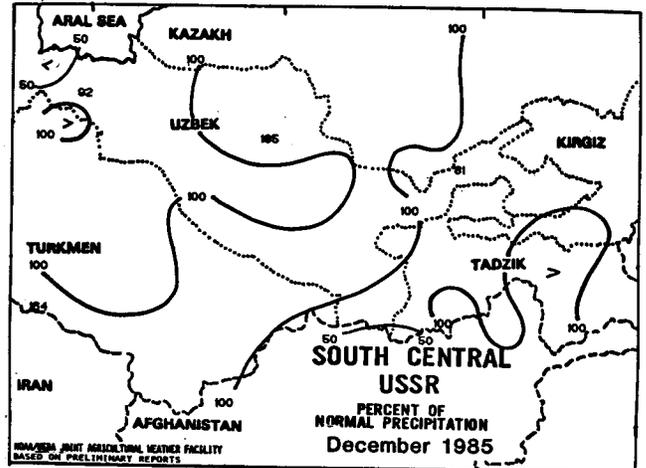
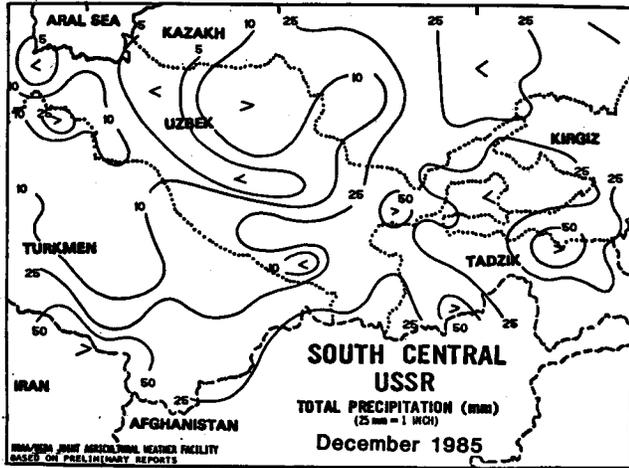
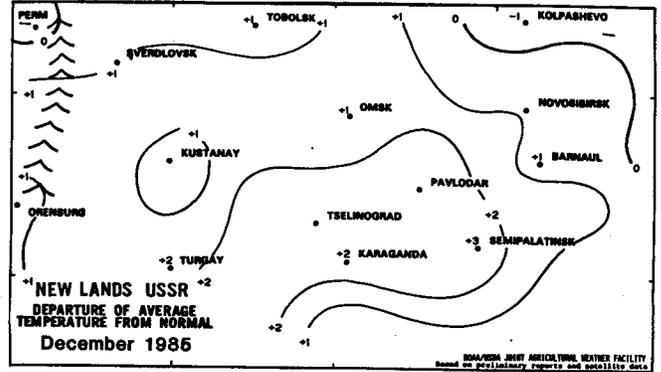
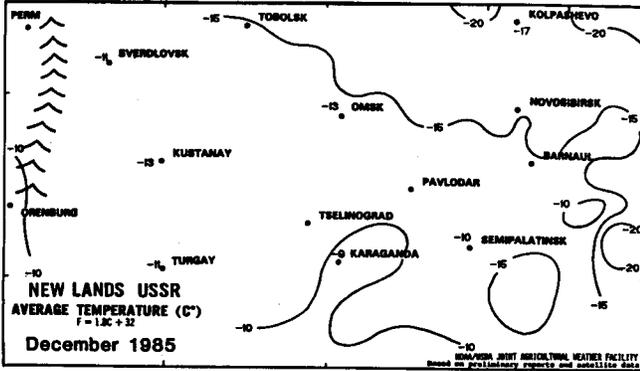
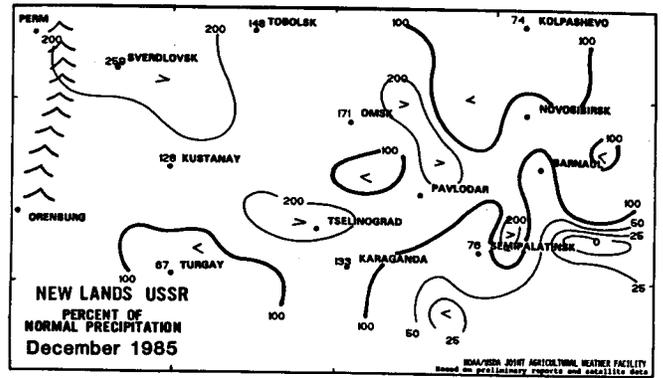
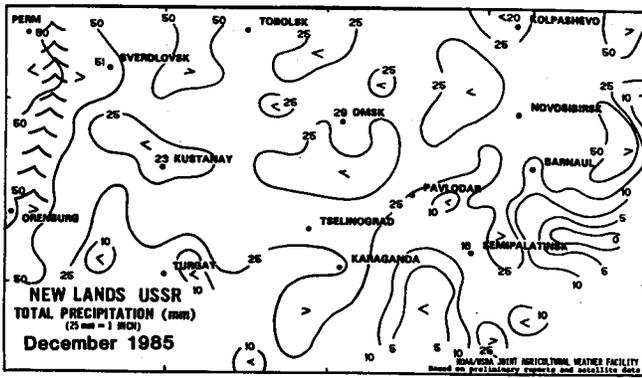


HIGHLIGHTS:

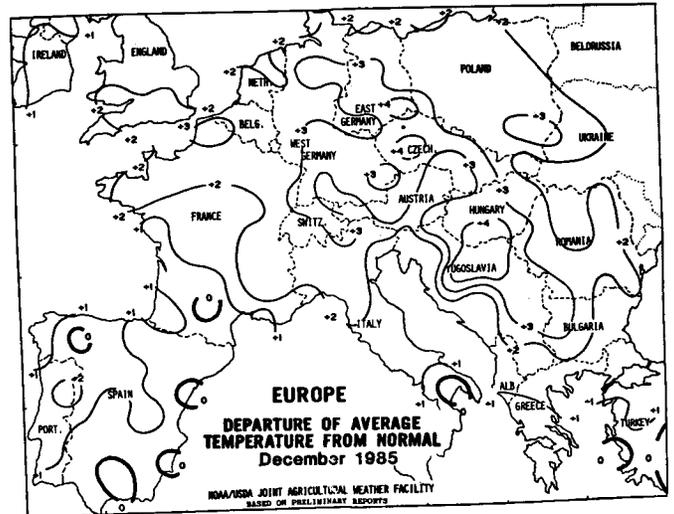
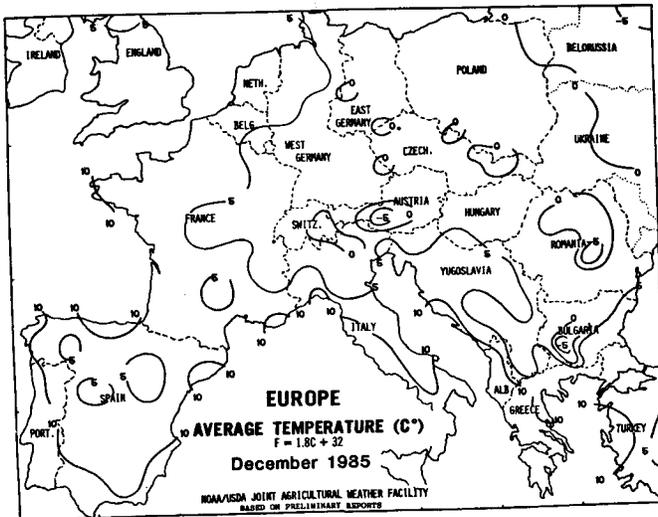
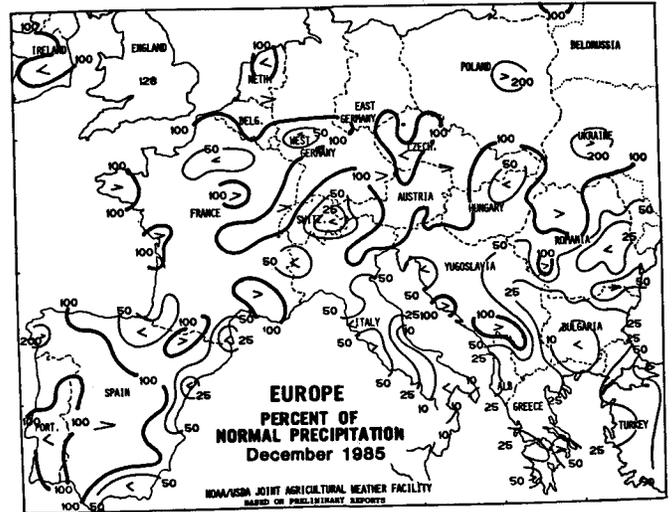
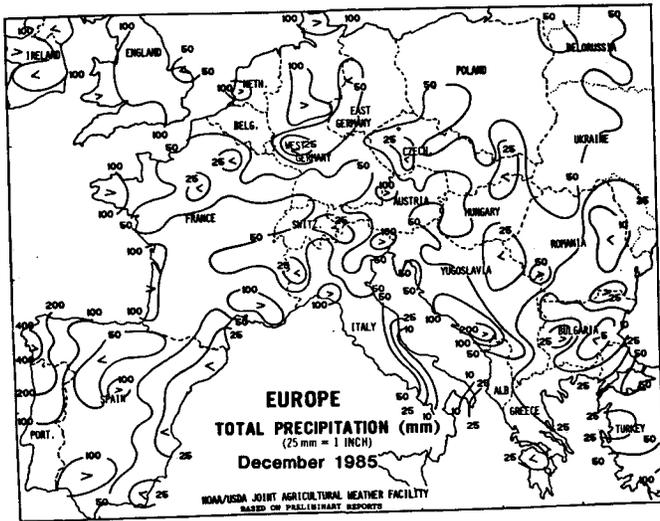
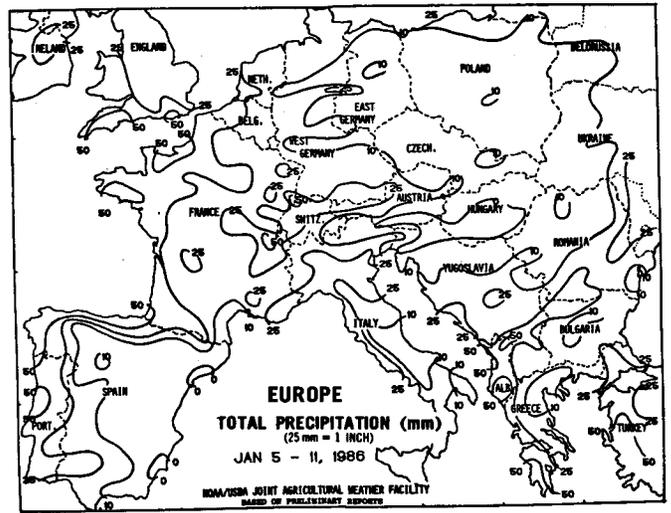
1. UNITED STATES ... Cold weather slows small grain development in southern Texas, but warmer weather induces growth as far north as Kansas.
2. WESTERN USSR ... Substantial amounts of snow cover winter grains over the northern two-thirds of the region. In the south, more seasonable temperatures and snow replace early-week above-normal temperatures and rain.
3. EUROPE ... Moderate rain increases soil moisture in the west and south. Snow falls over winter grains in the north and east.
4. SOUTH ASIA ... Dry weather covers most of the region. Moisture is adequate for wheat entering reproduction.
5. EASTERN ASIA ... Dry, cold weather covers most of the North China Plain while winter wheat remains dormant.
6. AUSTRALIA ... Dry weather favors wheat harvesting while light showers benefit summer crops.
7. MEXICO ... Cold weather pushes into north-central and northeastern Mexico. Mostly dry weather favors harvesting.
8. SOUTH AMERICA ... Recent showers provide some relief to southern Brazil's drought-stricken soybeans. Dryness favors fieldwork in Argentina.
9. SOUTH AFRICA ... Dry, warm weather reduces soil moisture while corn is entering a very critical reproductive stage.
10. NORTHWESTERN AFRICA ... Widespread showers favor wheat emergence and benefit early plant growth.

WESTERN USSR... Substantial amounts of snow covered winter grains over the northern two-thirds of the region. In the south, early-week rain turned to snow flurries by week's end. In December, a brief cold outbreak covered major winter wheat areas in southern European USSR around December 20. In parts of southern Belorussia, the northcentral Ukraine, and the eastern Ukraine, nighttime lows ranged from -15C to -20C with isolated temperatures below -20C. The damage to winter wheat and barley in these areas was likely minimal, as lowest temperatures did not cover the same areas for more than 1 day and a protective snow cover likely existed in coldest areas. A warming trend in late December in the south continued through much of this past week. The warm weather caused wheat to lose hardiness in the southern Ukraine and North Caucasus with some growth reported in the Crimea, making the crop more susceptible to sudden temperature falls. By late-week, temperatures dropped to more seasonable readings in the south.

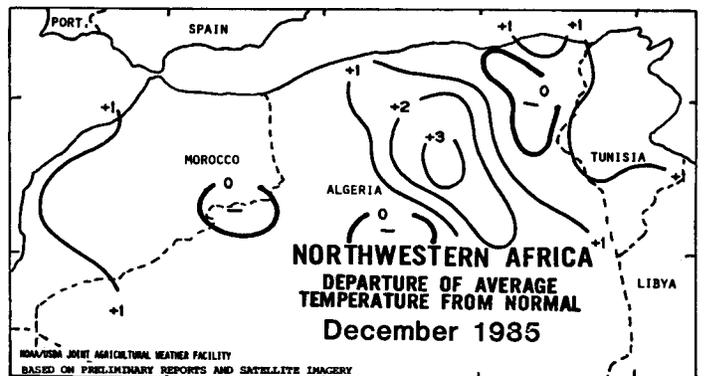
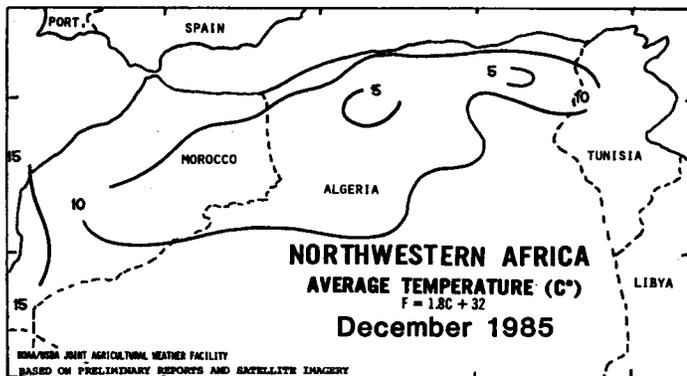
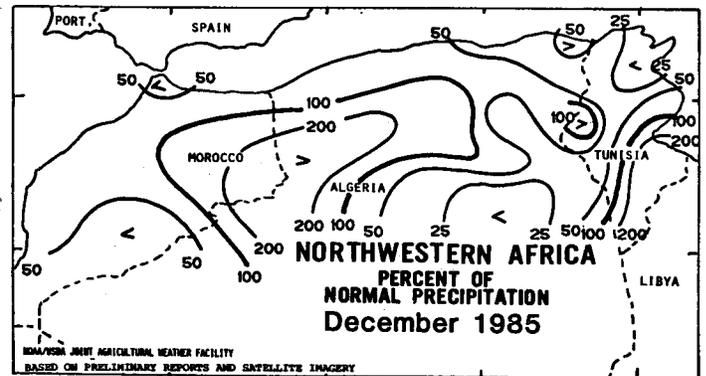
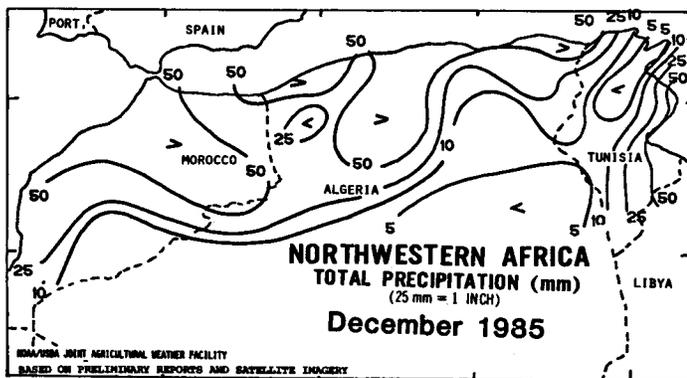
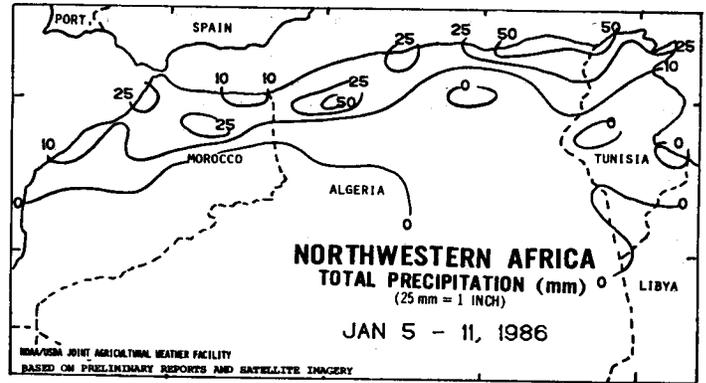




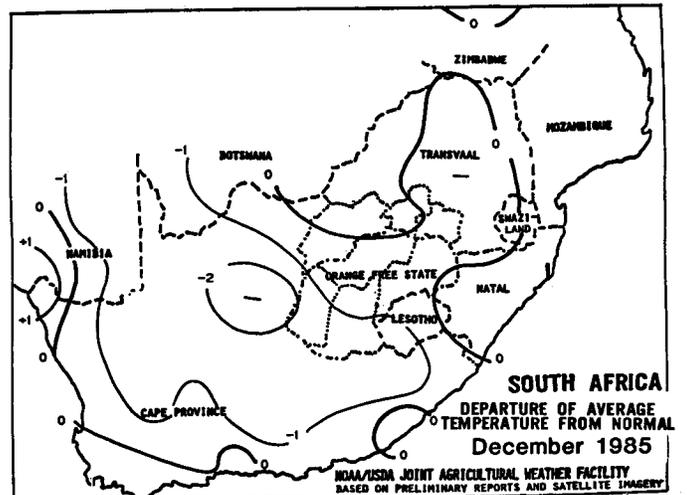
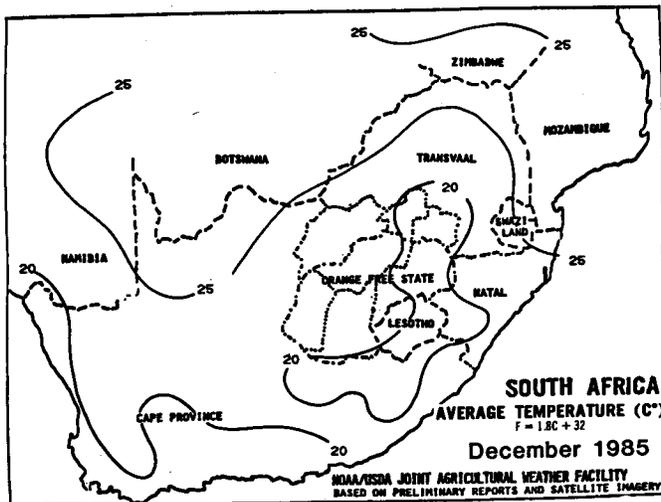
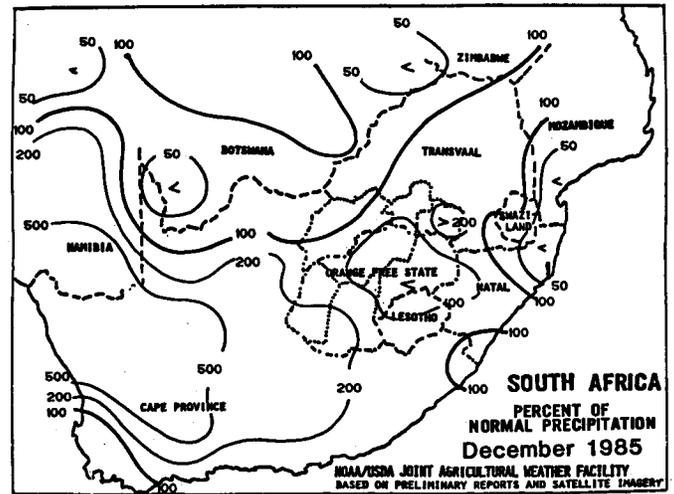
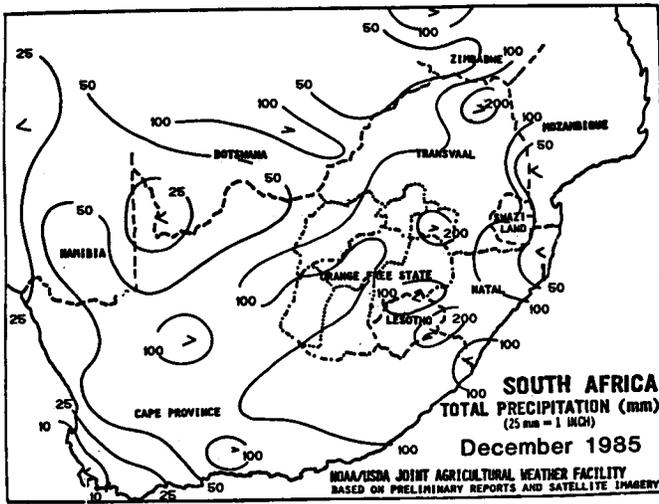
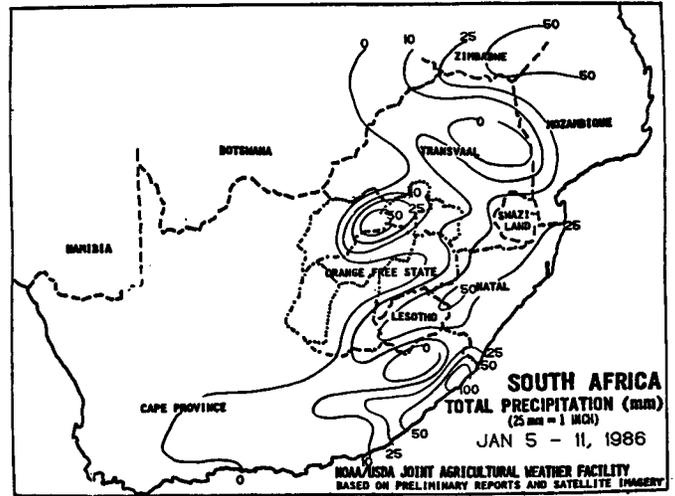
EUROPE...Moderate rain (25 to 50mm) covered crop areas in England, France, Portugal, northern Italy, southern Yugoslavia, northern Bulgaria, and southern Romania, increasing soil moisture. Snow fell over winter grains in West Germany, East Germany, Poland, Czechoslovakia, and Hungary. In December, above-normal precipitation covered western and northern Europe, increasing soil moisture. December's temperatures were above normal over much of the region. Some wheat growth may have occurred in England and France, but in most other areas temperatures were cold enough to keep winter grains dormant. In Mediterranean areas, mild weather and above-normal precipitation in the Iberian Peninsula favored wheat emergence and benefited early plant establishment. December's precipitation was below normal in wheat areas of Italy, Bulgaria, and Greece.



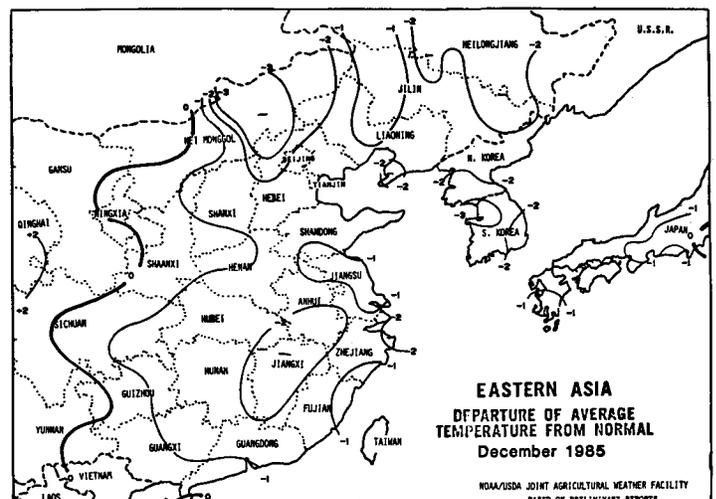
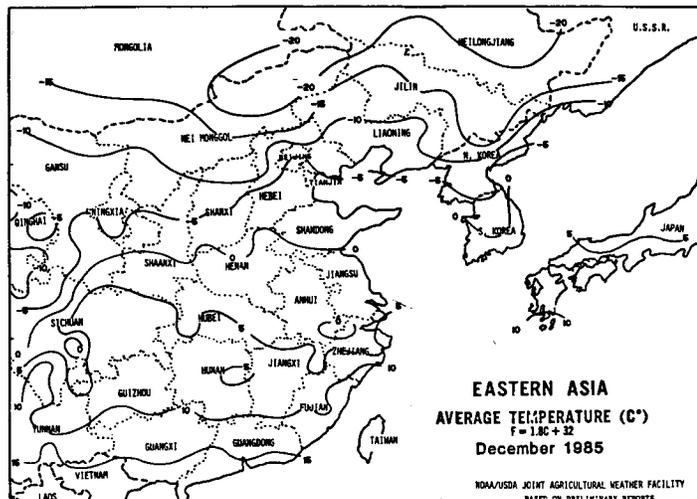
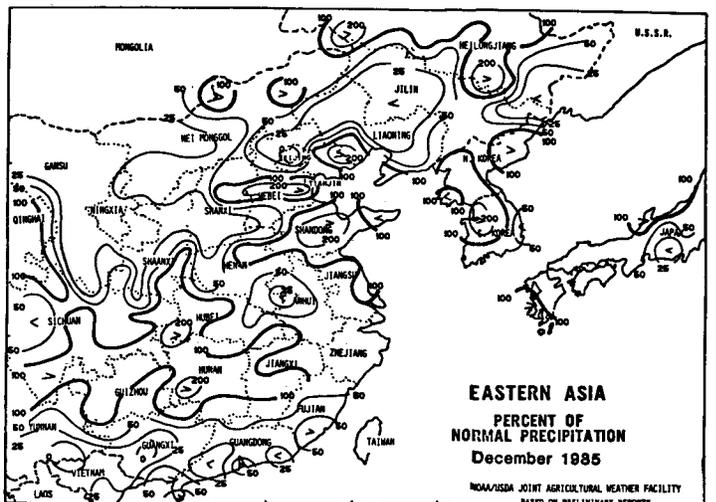
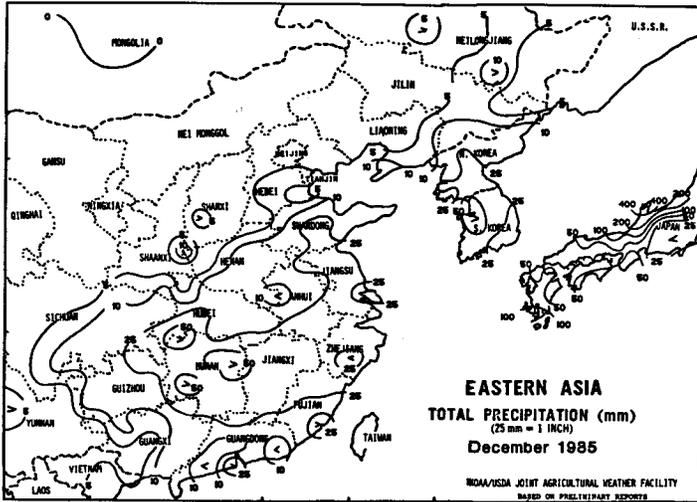
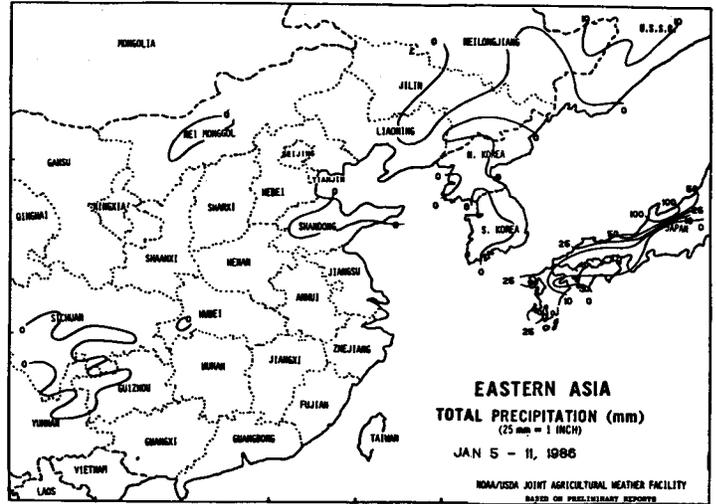
NORTHWESTERN AFRICA...Widespread showers (10 to 25mm) covered wheat areas over much of the region, favoring wheat emergence and benefiting early growth. The second consecutive week of substantial rain over Tunisian wheat areas improved moisture conditions for planting and emergence. Much-below-normal precipitation in Tunisia in November and December likely delayed wheat planting beyond the normal December planting date. Wheat areas in southern Morocco were mostly dry, continuing December's below-normal precipitation pattern. In northeastern Algeria, moderate rain (25 to 50mm) reversed a drying trend which had covered crop areas in December. Although recent rain has improved topsoil moisture conditions, moisture is still limited for early wheat growth in most areas, particularly southern crop areas of Morocco and Tunisia.



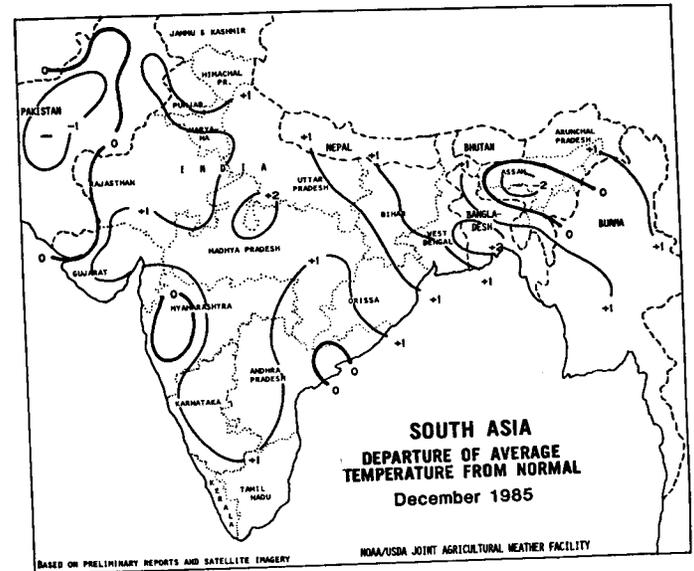
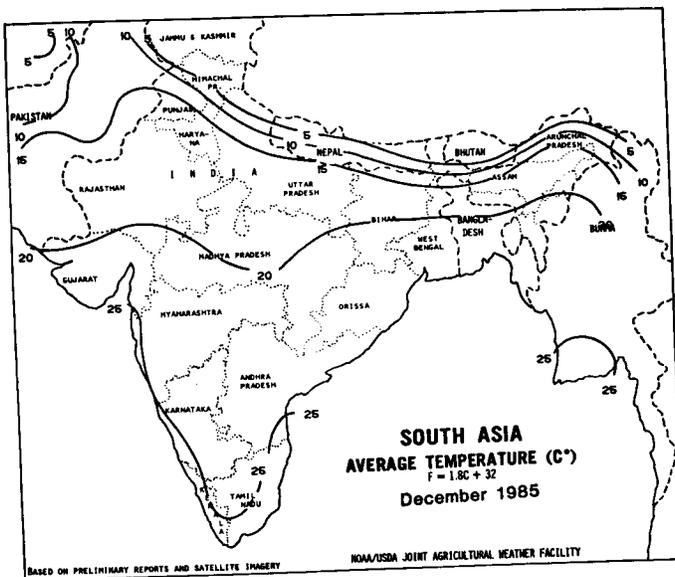
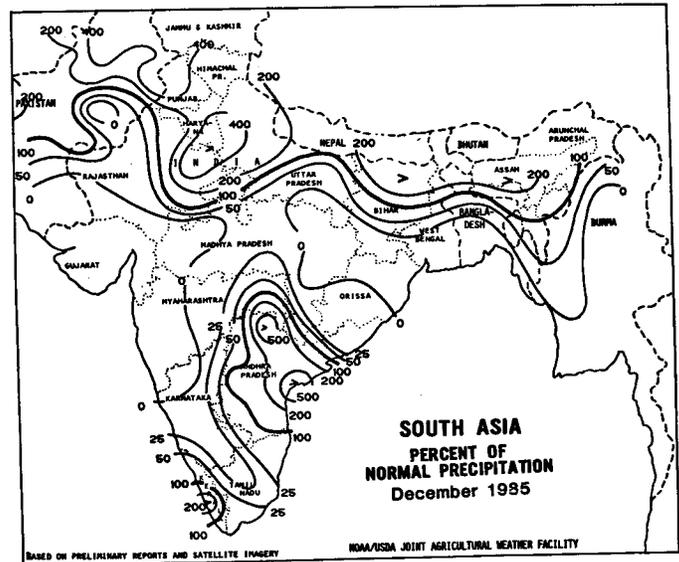
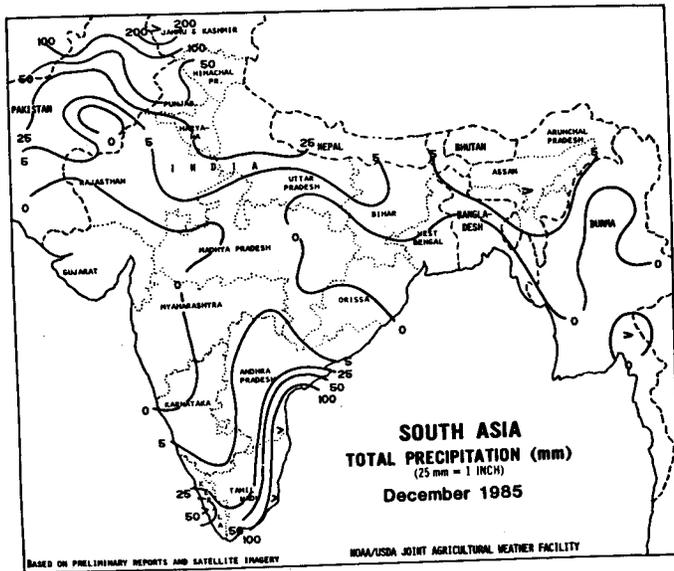
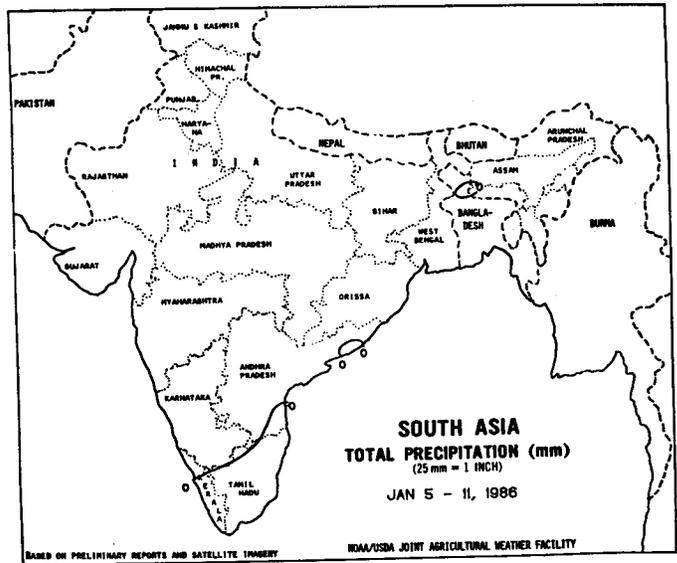
SOUTH AFRICA... Soil moisture was further depleted this week as little or no rain fell in much of the Maize Triangle. An isolated thunderstorm brought heavy rain to a very localized part of the central Maize Triangle, but most of the major corn producing region received less than 5mm of rain. The western half of West Transvaal and the Orange Free State were totally dry while a warming trend developed. Temperatures reached 33-36C in the western half of the Maize Triangle. Corn is entering the sensitive tasseling and silking stage when yields can be significantly affected. Light showers maintained adequate moisture in the east. Above-normal December rainfall improved moisture conditions in the eastern corn areas while below-normal rain limited moisture in much of the West Transvaal and the Orange Free State.



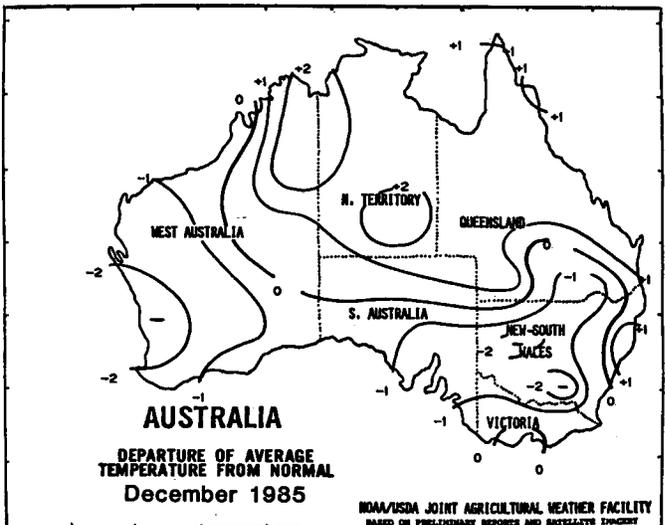
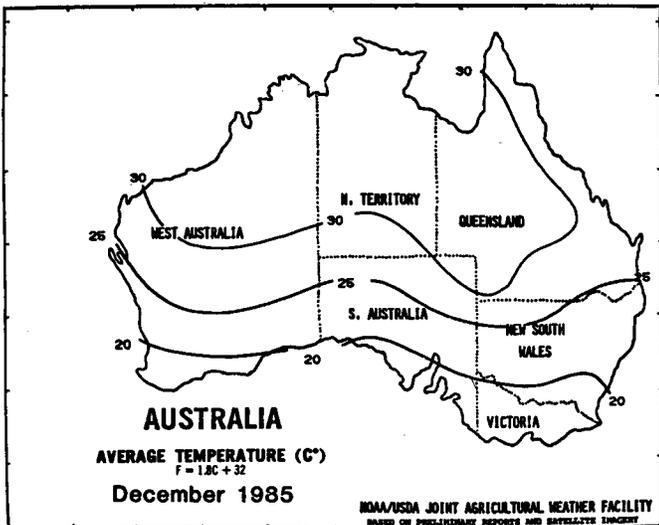
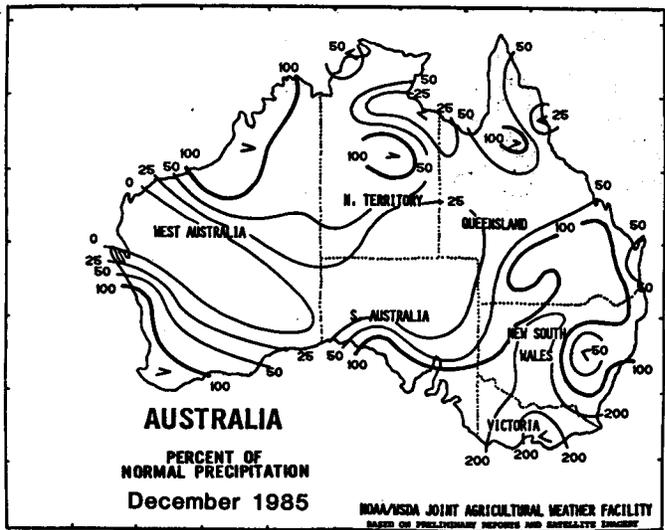
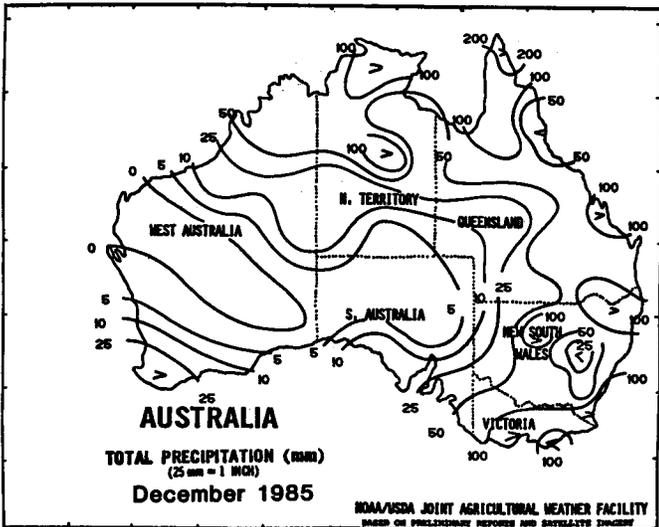
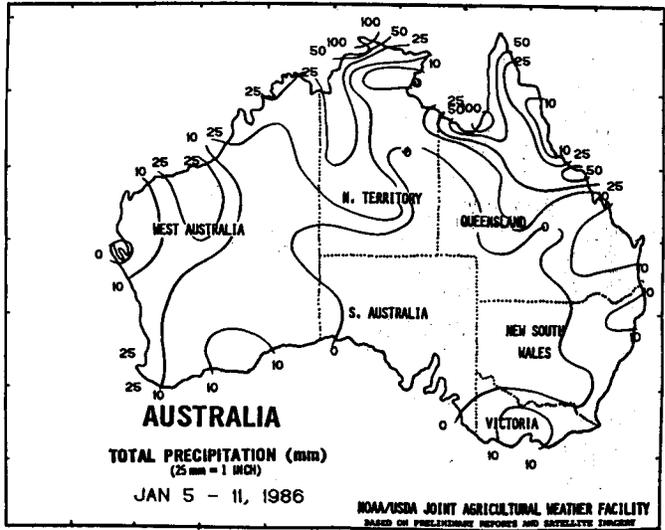
EASTERN ASIA... Mostly dry weather prevailed in eastern China. Only very light precipitation (1-4mm) fell in Shandong and in the southwest. Light snow fell in winter grain areas of Korea. Temperatures averaged below normal in much of the North China Plain. Low temperatures reached -16C in the winter wheat areas, which are not cold enough to damage dormant wheat. December precipitation was above normal in Shandong, central Hebei, and northeastern Henan, adding to the favorable soil moisture which will be utilized this spring. Drier than normal weather continued along the south coast.

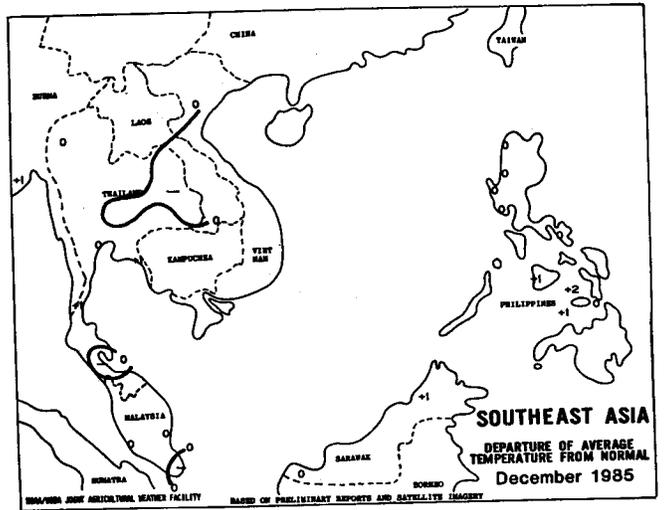
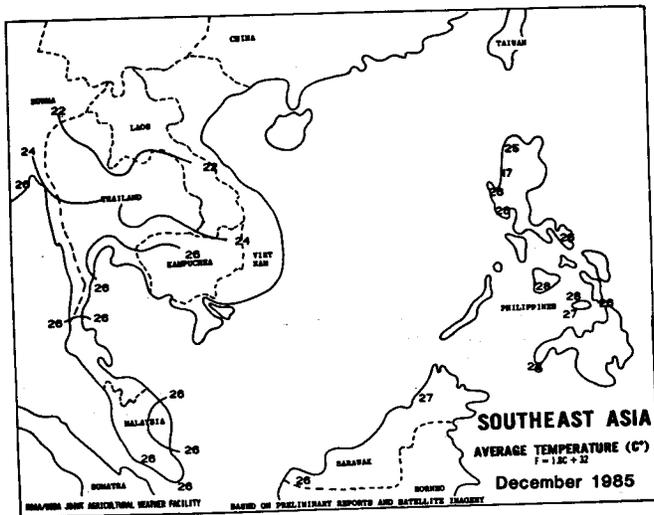
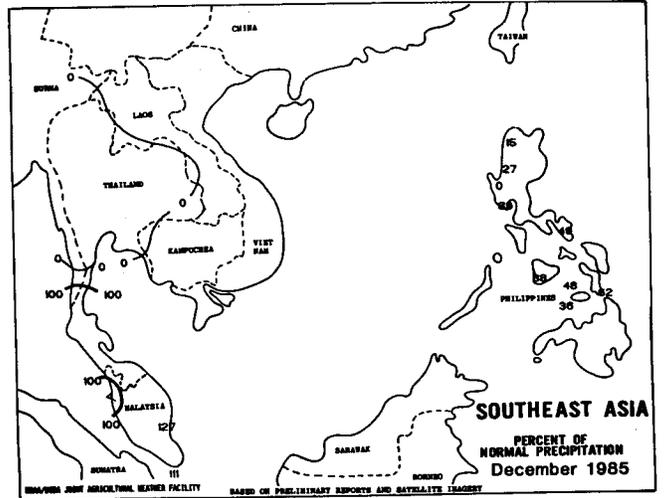
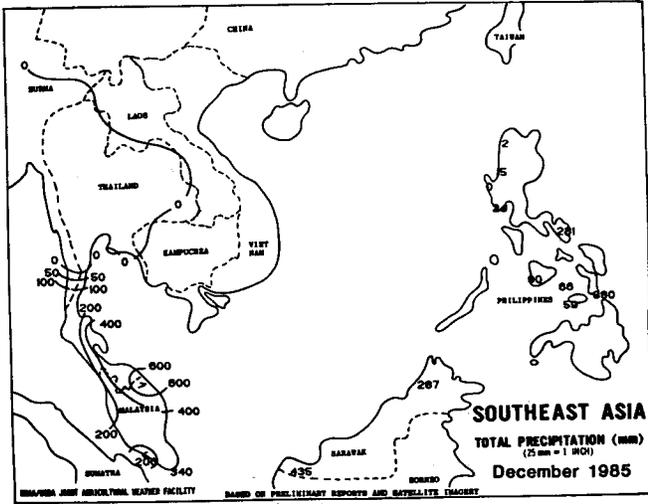


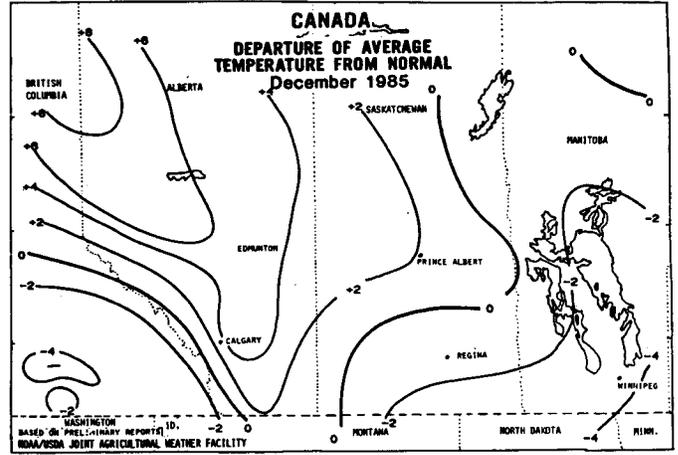
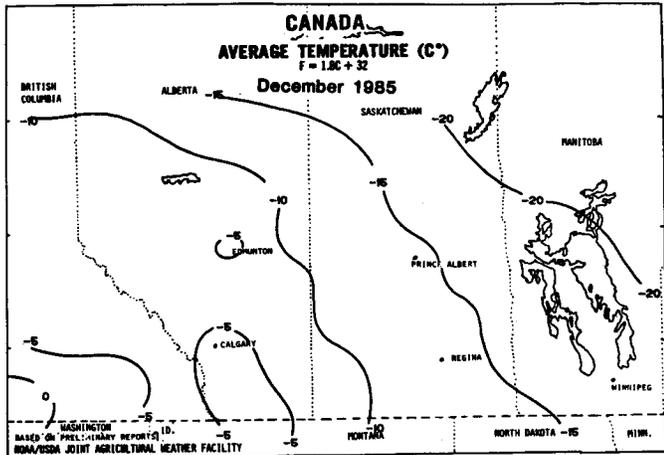
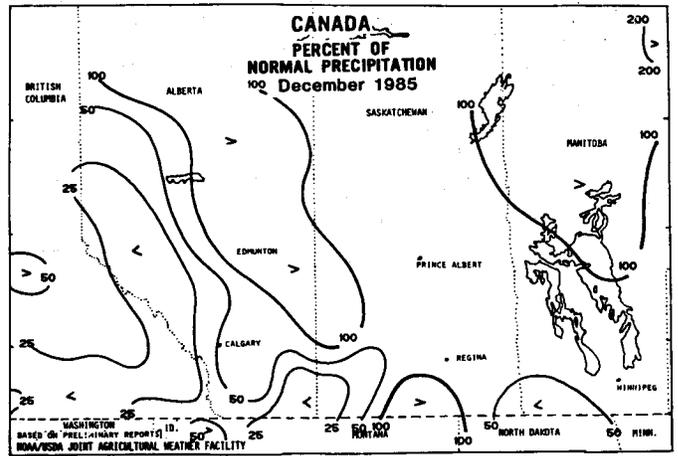
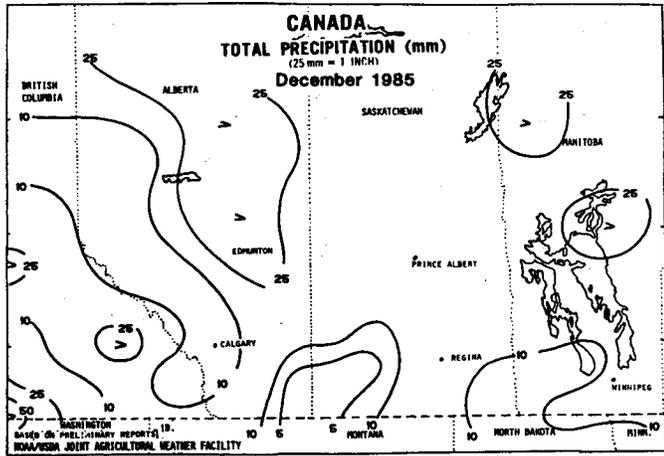
SOUTH ASIA... Dry weather covered nearly all of India and Pakistan. Light showers (1-4mm) fell in extreme southern India. A late-season tropical cyclone produced heavy rain (100-300mm) and flooding in Sri Lanka. December rainfall was above normal in northern wheat areas of India and Pakistan. Moderate, December rainfall (25-75mm), heaviest in northern Pakistan, benefited wheat in the vegetative stage. Normally in winter, the rainy season across the north begins in January, coinciding with wheat's reproductive stage.



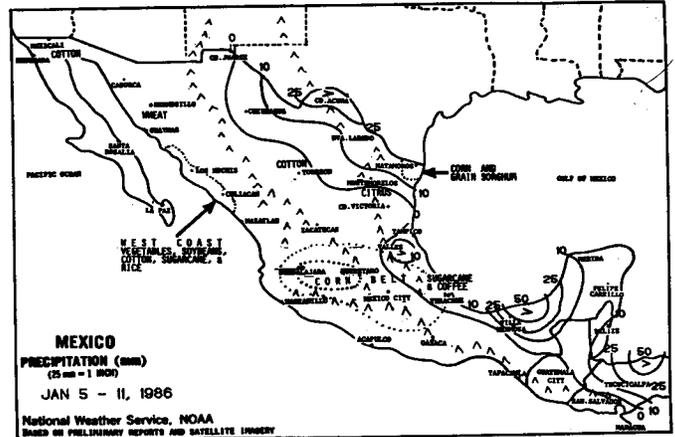
AUSTRALIA...Favorable, dry weather covered southeastern wheat areas. Late wheat harvesting in South Australia, Victoria, and southern New South Wales benefited from dry, warm weather. Light showers favored summer crops in northern New South Wales and Queensland. Light to moderate showers (10-15mm) in Western Australia may have slowed late wheat harvesting. Tropical rain continues in the north while variable rain fell in the northeast sugar areas. Early, December rainfall was above normal in much of the southeast, causing wheat harvesting delays and some grain quality reductions.







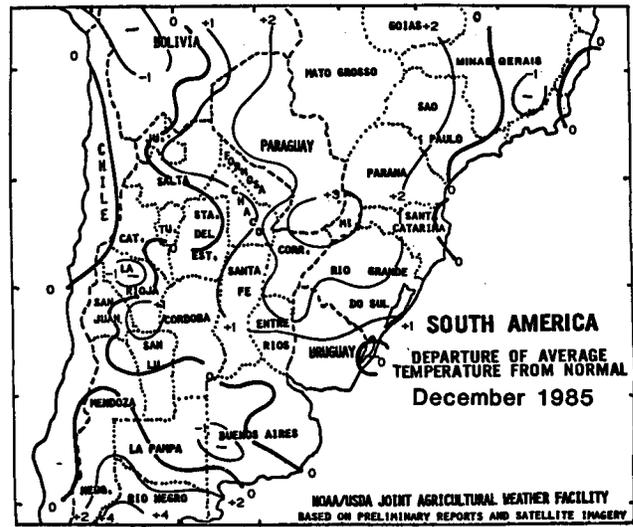
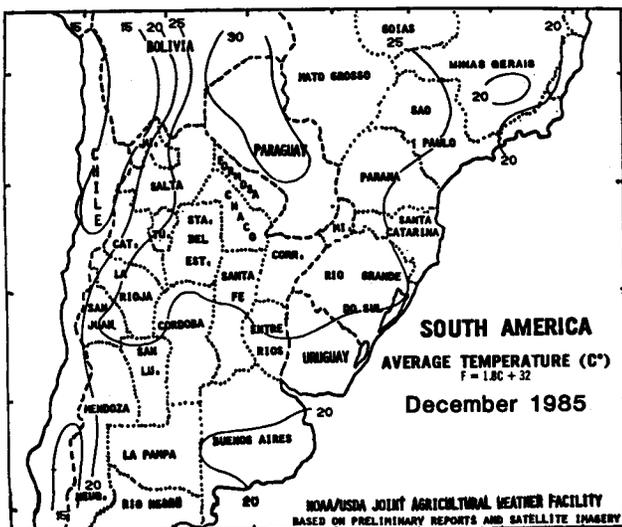
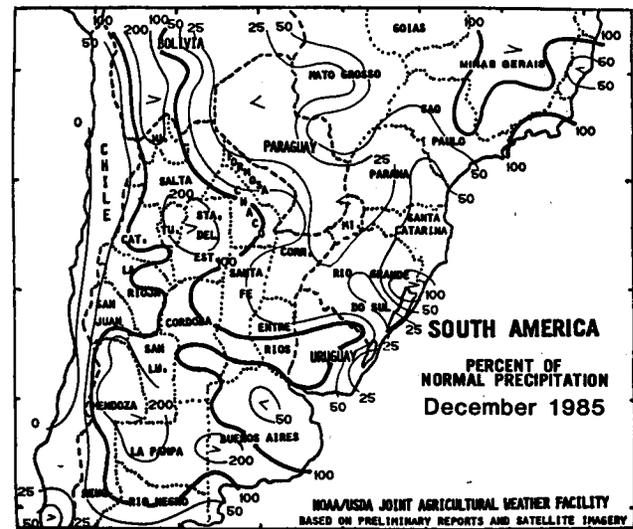
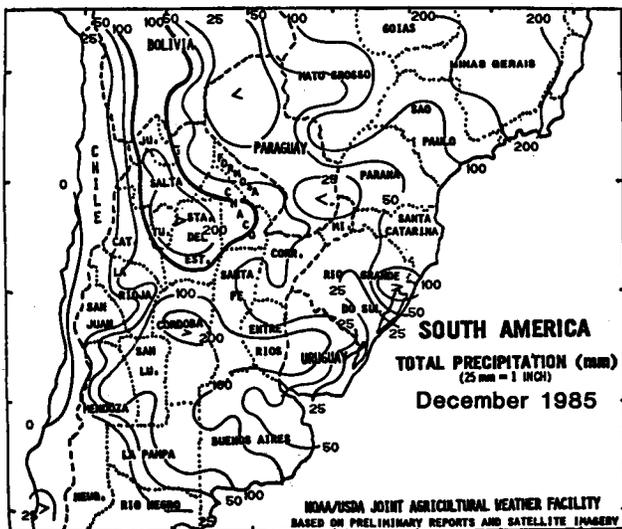
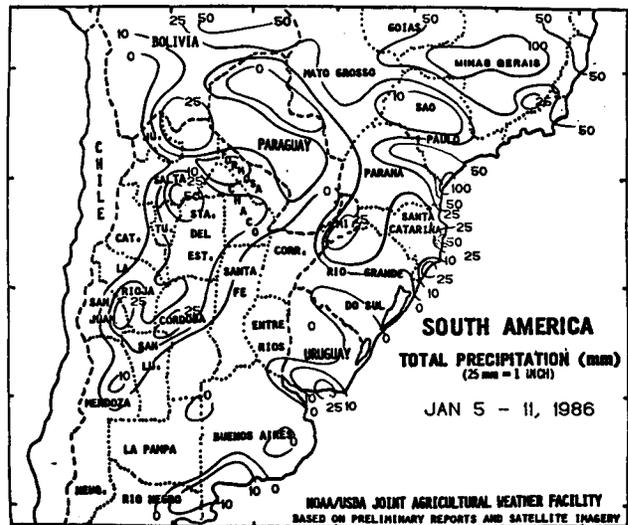
MEXICO...Cold weather plunged into north-central and northeastern Mexico with weekly temperatures averaging 5-6 degrees C below-normal. Most of the country was dry except for light precipitation in the northeast and scattered showers along the east coast. The cold weather may have frost-burned tender vegetables in the northeast but citrus was likely unharmed. December's generally below-average rainfall pattern favored harvest activities except for some areas along the east coast where harvesting was slowed by rain. Some rain in the Yucatan Peninsula benefited corn growth.



THE FIGURES SHOWN ARE POINT VALUES RECEIVED FROM CLIMAT.



SOUTH AMERICA...In Brazil, scattered showers and thunderstorms brought some relief to drought-stricken areas of northwestern Rio Grande do Sul, Parana, and Mato Grosso do Sul. Dry, warm weather continued to the weekend over the remainder of Rio Grande do Sul where December rainfall averaged less than 50 percent of normal. Soybeans and corn are severely stressed in southern Brazil's major crop areas with the yield potential declining as crops advance rapidly through moisture-sensitive growth stages. Conditions improved in northern crop areas during December and early January with widespread rain again recently over Goias and Minas Gerais. In Argentina, mostly dry, warm weather during the past week helped late wheat harvesting, soybean planting, and summer crop growth. Near- to slightly below-average December rainfall over most of Buenos Aires favored fieldwork following earlier, excessive rains. Wetness continued, however, over southwestern Buenos Aires, La Pampa, and much of Cordoba.



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