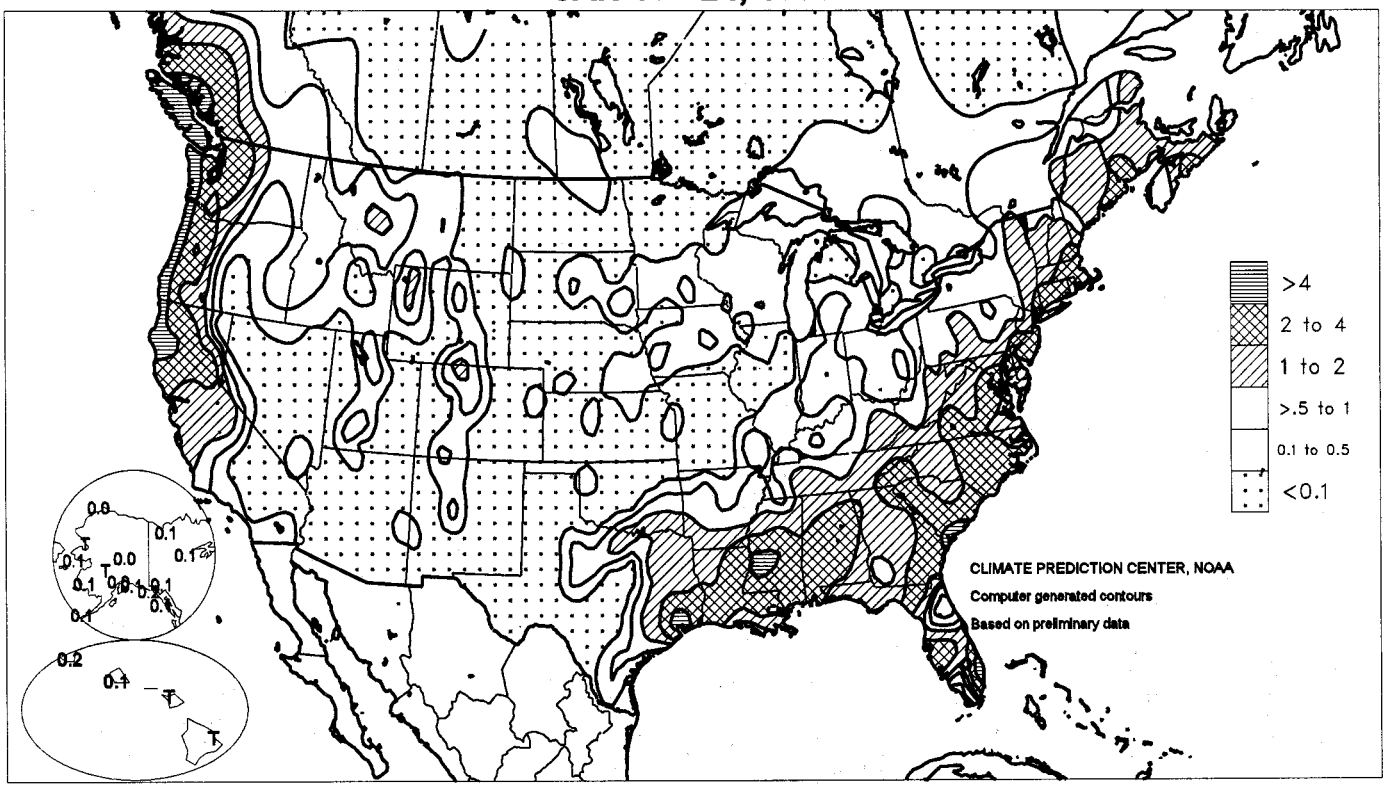
Volume 85, No. 4 January 27, 1998

WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board

Total Precipitation (Inches)
JAN 18 - 24, 1998



HIGHLIGHTS

January 18 - 24, 1998

Similar to last week's pattern, several storms delivered significant precipitation to the **Northwest**, then crossed the **Southeastern and Atlantic Coast States**, padding already impressive monthly rain- and snowfall totals. Meanwhile, the gradual disappearance of Arctic air ensured above-normal temperatures nearly nationwide. In the **upper Midwest**, however, departures of +2 to +13°F were accompanied by several days of light snow. In the **Northeast**, where temperatures averaged 4 to 7°F above normal, snow and ice hampered clean-up efforts from the early-month ice storm. Temperature departures in the **Northwest** generally ranged from +4 to +12°F.

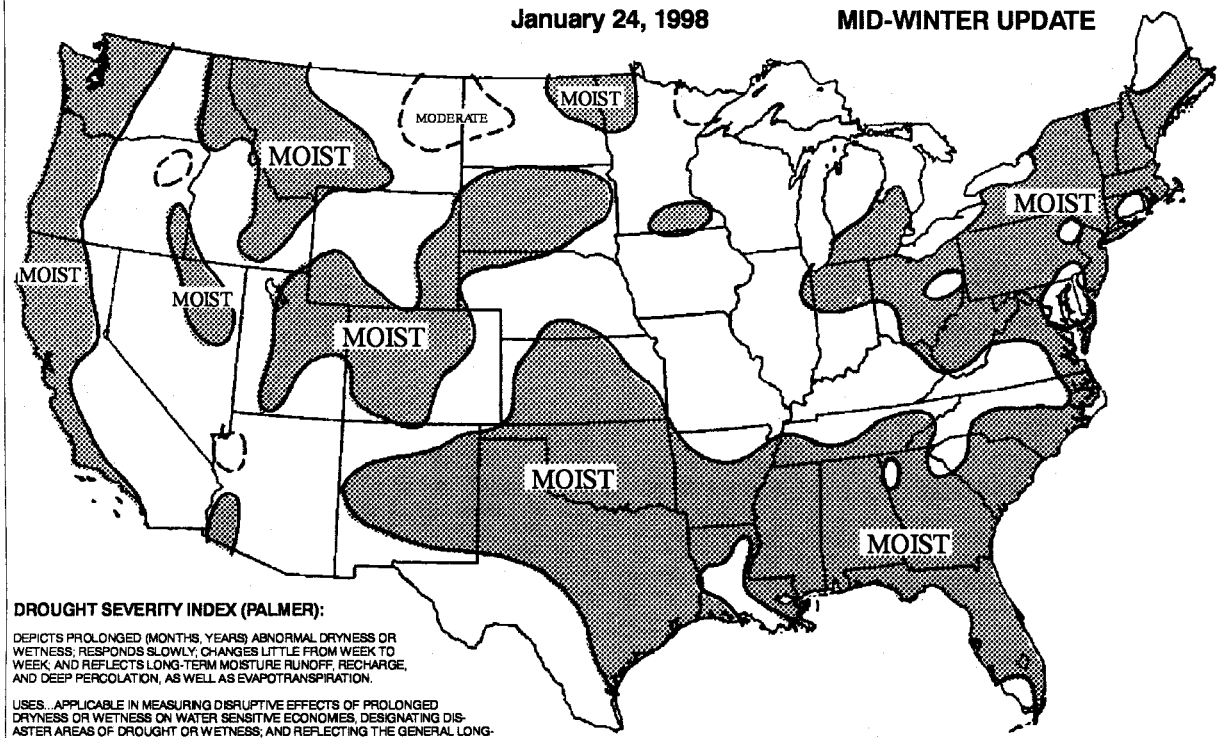
(Continued on back cover)

Contents

Mid-Winter Palmer Update 2
Temperature Departure & Extreme Minimum Temperature Maps 3
National Weather Data for Selected Cities 4
National Agricultural Summary & Snow Cover Map 7
International Weather and Crop Summary 8
Global Temperature Trends 11
Subscription Information 12

DROUGHT SEVERITY
(LONG TERM PALMER)

January 24, 1998 **MID-WINTER UPDATE**



DROUGHT SEVERITY INDEX (PALMER):

DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK, AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.

USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.

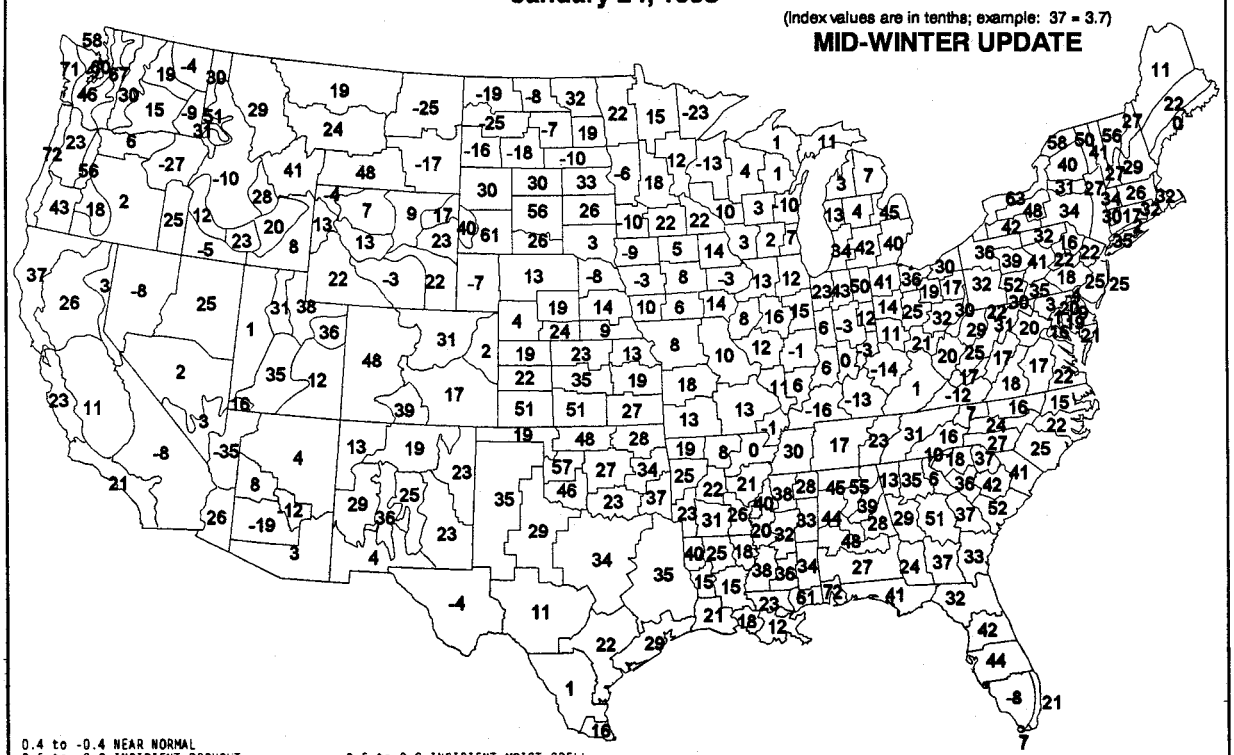
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
January 24, 1998

(Index values are in tenths; example: 37 = 3.7)

MID-WINTER UPDATE

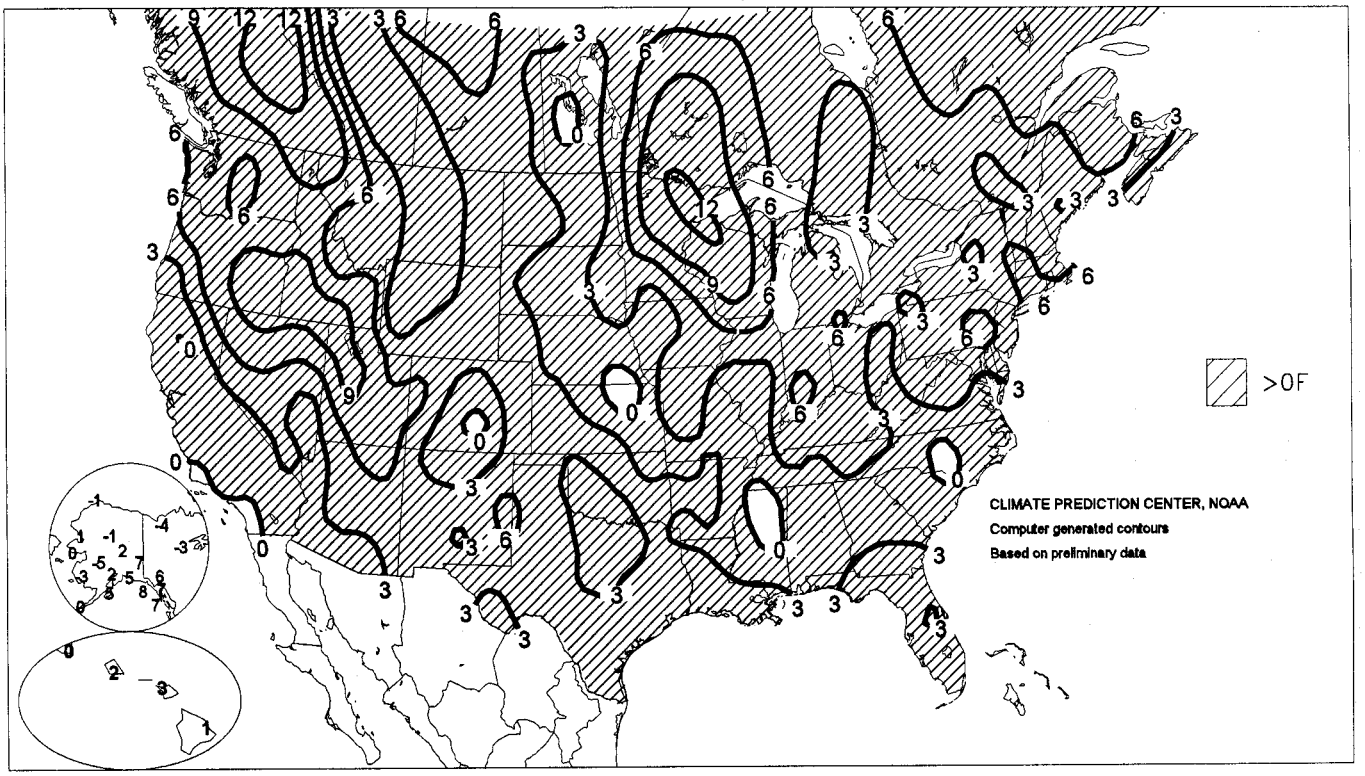


0.4 to -0.4 NEAR NORMAL
-0.5 to -0.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to -2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT

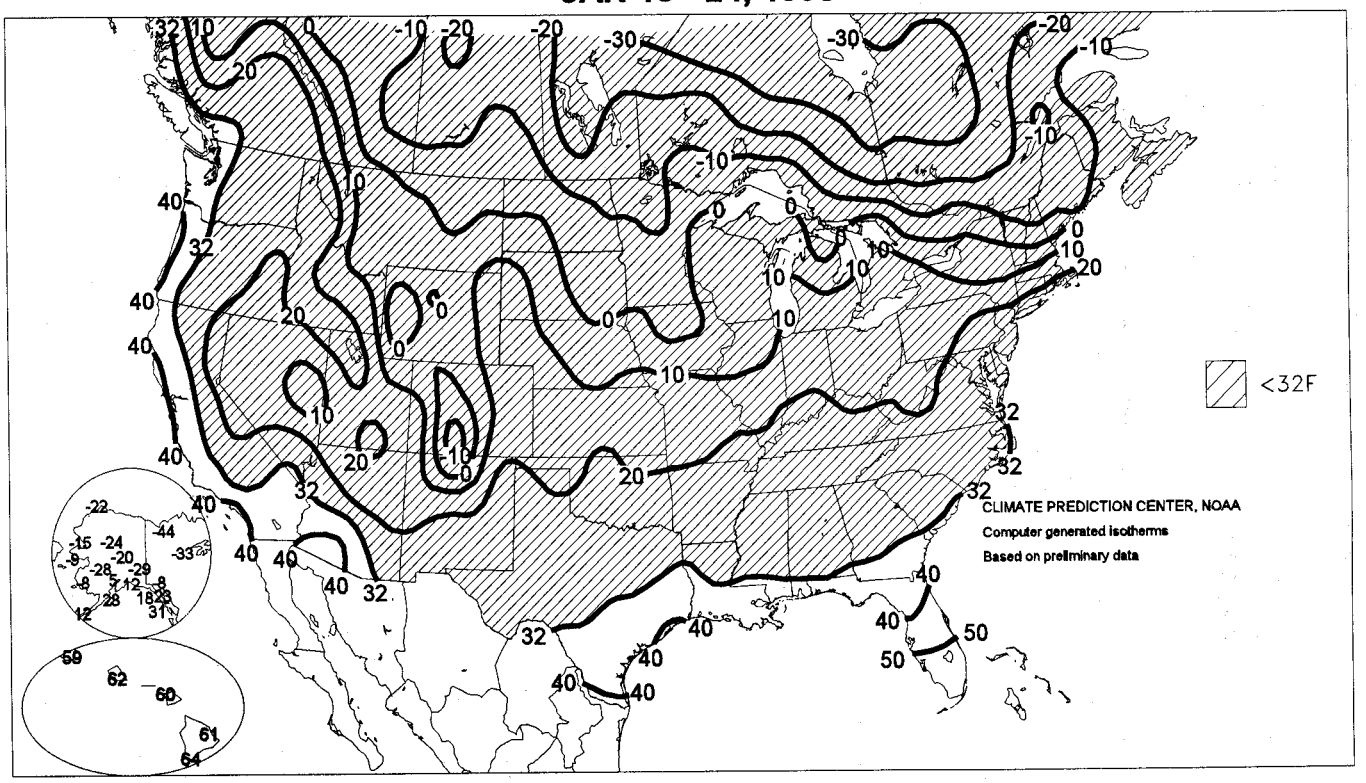
0.5 to 0.9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE 4.0 EXTREME MOIST SPELL

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

Departure of Average Temperature from Normal (°F)
JAN 18 - 24, 1998



Extreme Minimum Temperature (°F)
JAN 18 - 24, 1998



National Weather Data for Selected Cities

Weather Data for the Week Ending January 24, 1998

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511) and the Southern Regional Climate Center

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec 1	PCT. NORMAL SINCE Dec 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	53	33	61	24	43	2	1.98	0.84	1.05	12.08	133	7.98	201	95	64	0	4	4	2
	HUNTSVILLE	46	34	50	25	40	1	1.20	0.07	0.57	10.78	108	7.49	184	94	71	0	3	4	1
	MOBILE	61	41	66	33	51	2	2.29	1.23	2.22	19.85	221	15.47	422	96	65	0	0	4	1
	MONTGOMERY	57	38	62	31	47	1	1.13	0.08	1.13	7.37	84	2.86	79	92	59	0	2	1	1
AK	ANCHORAGE	22	11	30	4	17	2	0.00	-0.17	0.00	1.98	115	0.33	53	85	71	0	7	0	0
	BARROW	-12	-18	-9	-21	-15	-1	0.00	-0.03	0.00	0.08	36	0.00	0	77	74	0	7	0	0
	FAIRBANKS	-1	-16	2	-20	-9	2	0.00	-0.09	0.00	2.05	169	0.00	0	81	71	0	7	0	0
	JUNEAU	37	26	43	22	31	7	--	--	--	--	--	--	--	98	70	0	7	-	-
	KODIAK	39	32	41	23	35	5	--	--	--	--	--	--	--	93	77	0	3	-	-
	NOME	16	-2	25	-9	7	0	0.13	-0.04	0.11	1.87	126	0.92	146	82	59	0	7	2	0
AZ	FLAGSTAFF	46	21	52	11	33	4	0.00	-0.44	0.00	3.12	78	1.27	80	84	36	0	6	0	0
	PHOENIX	67	47	72	43	57	3	0.00	-0.14	0.00	1.18	78	0.35	66	68	30	0	0	0	0
	PRESCOTT	53	29	63	21	41	5	0.00	-0.33	0.00	3.22	116	0.76	63	76	33	0	6	0	0
	TUCSON	68	40	75	35	54	2	0.00	-0.19	0.00	3.04	172	0.16	23	70	24	0	0	0	0
	YUMA	70	47	75	43	59	2	0.00	-0.08	0.00	2.83	382	0.04	14	61	25	0	0	0	0
AR	FORT SMITH	52	32	61	27	42	5	1.34	0.93	1.33	8.57	190	4.06	272	90	54	0	4	2	1
	LITTLE ROCK	51	35	59	28	43	4	0.50	-0.23	0.36	8.12	113	4.37	175	92	60	0	4	2	0
CA	BAKERSFIELD	58	39	75	34	48	0	0.03	-0.17	0.02	2.14	170	1.04	163	97	65	0	0	2	0
	EUREKA	56	46	63	40	51	3	3.04	1.69	--	15.57	--	10.84	--	97	69	0	0	6	0
	FRESNO	55	39	68	35	47	1	0.22	-0.24	0.19	3.48	119	2.53	168	99	68	0	0	3	0
	LOS ANGELES	63	49	65	46	56	-1	0.16	-0.41	0.16	6.56	189	2.83	155	84	60	0	0	1	0
	REDDING	50	41	57	31	45	-1	1.52	0.16	0.84	12.59	123	9.33	196	97	79	0	1	6	1
	SACRAM/MCCLELL	56	43	63	37	49	--	0.84	--	0.75	7.74	--	5.29	--	100	75	0	0	3	1
	SAN DIEGO	64	52	67	49	58	0	0.21	-0.20	0.21	3.65	121	2.30	162	87	57	0	0	1	0
	SAN FRANCISCO	57	46	62	43	51	2	1.66	0.66	1.45	12.07	186	6.78	199	92	67	0	0	5	1
CO	ALAMOSA	32	-2	42	-9	15	0	0.00	-0.06	0.00	0.19	29	0.00	0	89	45	0	7	0	0
	CO SPRINGS	43	17	56	9	30	1	0.00	-0.06	0.00	0.10	14	0.00	0	75	28	0	7	0	0
	DENVER	43	20	50	12	31	1	0.00	-0.11	0.00	0.59	57	0.00	0	80	30	0	7	0	0
	GRAND JUNCTION	43	23	52	17	33	8	0.02	-0.10	0.02	0.56	53	0.41	91	85	41	0	7	1	0
	PUEBLO	45	12	52	9	29	-1	0.00	-0.06	0.00	0.66	96	0.28	108	78	33	0	7	0	0
CT	BRIDGEPORT	38	30	46	27	34	6	2.88	2.16	2.48	7.10	118	3.75	148	83	61	0	6	3	1
	HARTFORD	33	25	37	19	29	5	0.10	-0.65	0.08	4.27	65	2.08	78	88	67	0	7	2	0
DC	WASHINGTON	44	33	51	29	38	4	2.10	1.49	1.79	5.11	97	3.37	158	90	58	0	3	4	1
DE	WILMINGTON	41	30	49	24	36	6	2.71	2.05	2.53	6.69	114	4.12	173	90	59	0	4	3	1
FL	DAYTONA BEACH	69	51	75	42	60	3	0.20	-0.43	0.15	12.10	259	4.34	208	96	66	0	0	3	0
	JACKSONVILLE	66	44	74	35	55	3	1.15	0.38	0.85	12.38	237	2.64	106	98	61	0	0	4	1
	KEY WEST	77	66	80	55	71	2	0.10	-0.36	0.07	6.43	178	2.01	126	93	74	0	0	3	0
	MIAMI	77	65	80	56	71	4	0.30	-0.17	0.21	6.24	184	0.98	63	89	67	0	0	3	0
	ORLANDO	71	53	77	45	62	3	0.41	-0.13	0.40	14.57	375	1.93	112	96	65	0	0	2	0
	TAMPA	71	56	80	48	64	4	1.92	1.46	1.85	19.74	544	4.17	284	95	73	0	0	3	1
	VALPARAISO/EGLIN	62	44	66	34	53	0	0.96	0.02	0.91	11.23	150	5.73	175	93	59	0	0	2	1
	WEST PALM BEACH	76	61	79	50	69	4	9.12	8.48	6.20	15.50	335	10.47	487	89	63	0	0	4	2
GA	ATHENS	50	35	55	29	43	1	1.47	0.42	0.75	10.66	139	4.75	133	95	57	0	3	4	1
	ATLANTA	50	34	55	27	42	1	1.38	0.31	0.75	9.78	122	4.73	129	95	59	0	4	4	2
	AUGUSTA	56	36	62	28	46	2	2.85	1.91	1.74	12.98	199	6.04	194	95	57	0	4	5	2
	COLUMBUS	57	39	60	31	48	2	0.86	-0.16	0.42	9.03	106	2.31	65	96	54	0	2	3	0
	MACON	55	37	58	28	46	1	1.58	0.55	0.98	11.61	149	4.32	123	97	59	0	3	4	1
	SAVANNAH	61	41	69	32	51	2	3.88	3.05	2.59	9.82	170	5.83	208	96	61	0	1	3	2
HI	HILO	81	64	86	61	73	1	0.04	-2.13	0.02	9.01	46	0.15	2	82	56	0	0	2	0
	HONOLULU	82	67	84	62	74	2	0.02	-0.75	0.02	1.21	18	0.77	27	90	60	0	0	1	0
	KAHULUI	84	64	86	60	74	3	0.03	-0.91	0.03	1.86	28	0.36	11	89	50	0	0	1	0
	LIHUE	77	65	80	59	71	0	0.22	-1.09	0.15	5.93	60	3.34	71	91	64	0	0	4	0
ID	BOISE	49	34	57	28	42	12	0.47	0.14	0.41	3.11	125	2.46	218	88	50	0	1	3	0
	LEWISTON	47	34	52	28	40	6	0.55	0.27	0.49	1.84	82	1.24	122	93	68	0	2	4	0
	POCATELLO	38	26	47	24	32	9	0.12	-0.10	0.09	2.83	147	2.17	265	88	68	0	7	3	0
IL	CHICAGO/O'HARE	30	22	33	8	26	6	0.10	-0.21	0.07	4.03	109	2.54	205	92	76	0	7	3	0
	MOLINE	29	17	33	1	23	3	0.32	0.00	0.13	3.77	108	2.01	160	96	80	0	7	4	0
	PEORIA	30	20	37	10	25	4	0.05	-0.26	0.02	4.49	122	2.55	209	95	77	0	7	3	0
	ROCKFORD	28	20	32	4	24	6	0.08	-0.18	0.05	2.40	78	1.57	151	94	79	0	7	2	0
	SPRINGFIELD	31	22	39	13	26	2	0.15	-0.15	0.13	4.17	105	2.41	198	93	80	0	7	2	0
IN	EVANSVILLE	38	30	48	25	34	4	0.42	-0.16	0.40	4.61	80	2.26	108	91	76	0	5	3	0
	FORT WAYNE	31	21	33	9	26	4	0.28	-0.11	0.14	5.67	129	3.95	263	93	79	0	7	3	0
	INDIANAPOLIS	35	28	44	18	32	6	0.32	-0.17	0.32	3.72	72	2.38	129	92	75	0	6	1	0
	SOUTH BEND	30	23	32	15	27	4	0.70	0.24	0.50	6.30	124	4.21	234	93	76	0	7	3	1
IA	BURLINGTON	28	22	37	8	25	--	0.20	-0.08	--	3.78	126	2.26	219	86	71	0	5	-	-
	CEDAR RAPIDS	27	16	32	1	21	4	0.54	0.33	--	2.30	96	1.14	143	96	82	0	7	-	-
	DES MOINES	27	18	30	5	23	3	0.18	-0.02	0.13	1.95	94	0.59	78	93	79	0	7	4	0
	DUBUQUE	27	19	31	2	23	7	0.10	-0.16	0.07	1.90	64	0.82	81	93	80	0	7	3	0
	SIOUX CITY	25	15	28	6	20	3	0.09	-0.02	0.09	0.48	40	0.27	63	91	78	0	7	1	0
	WATERLOO	26	12	30	-1	19	5	0.09	-0.08	0.05	1.09	56	0.43	68	93	79	0	7	2	0
KS	CONCORDIA	31	20	38	15	26	0	0.16	0.05	0.10	2.10	162	0.35	76	91	71	0	7	2	0
	DODGE CITY	43	24	52	19	34	4	0.06	-0.05	0.06	2.71	261	0.12	32	89	58	0	7	1	0
	GOODLAND	42	20	51	17	31	3	0.06	-0.02	0.06	0.61	87	0.07	23	89	51	0	7	1	0
	TOPEKA	35	19	43	14	27	1	0.02	-0.17	0.02	3.02	139	0.61	80	87	66	0	7	1	0

Based on 1961-90 normals

Weather Data for the Week Ending January 24, 1998

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		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
	WICHITA	42	23	54	20	33	3	0.00	-0.17	0.00	3.18	174	0.53	84	88	61	0	7	0	0
KY	JACKSON	42	31	47	23	36	4	0.84	0.01	0.51	5.83	80	3.62	123	93	69	0	5	4	1
	LEXINGTON	41	29	49	21	35	5	0.49	-0.12	0.28	6.58	105	3.91	174	92	69	0	6	4	0
	LOUISVILLE	42	32	50	23	37	6	0.26	-0.37	0.23	5.15	87	2.63	117	93	71	0	3	2	0
	PADUCAH	40	28	47	21	34	2	0.53	-0.17	0.43	5.17	72	2.72	106	95	71	0	5	2	0
LA	BATON ROUGE	63	41	72	32	52	2	3.12	2.02	3.10	21.07	226	14.76	387	95	60	0	1	2	1
	LAKE CHARLES	64	45	70	37	55	4	1.83	0.84	1.79	15.47	179	9.75	272	95	65	0	0	2	1
	NEW ORLEANS	64	47	72	39	55	4	2.02	0.89	1.91	20.60	213	18.04	464	91	69	0	0	2	1
	SHREVEPORT	58	41	70	34	50	5	1.35	0.47	1.22	11.70	164	5.59	185	91	59	0	0	2	1
ME	CARIBOU	23	8	32	-20	15	7	1.02	0.50	0.97	6.07	118	3.28	169	86	70	0	7	4	1
	PORTLAND	31	21	35	6	26	5	0.02	-0.75	0.01	6.45	88	3.88	139	89	66	0	7	2	0
MD	BALTIMORE	43	30	49	23	36	5	2.13	1.44	1.82	5.69	98	3.63	152	92	65	0	4	4	1
MA	BOSTON	36	27	42	20	32	3	2.29	1.49	1.53	7.00	103	4.69	167	91	71	0	6	3	2
	WORCESTER	29	23	35	16	26	4	2.18	1.36	1.44	6.80	98	4.48	156	88	75	0	7	3	2
MI	ALPENA	27	14	31	2	20	3	0.66	0.31	0.38	4.06	122	3.33	254	94	77	0	7	7	0
	GRAND RAPIDS	30	23	32	20	26	5	0.35	-0.02	0.22	3.94	91	2.97	199	91	76	0	7	4	0
	HOUGHTON LAKE	27	11	29	-4	19	3	0.23	-0.09	0.14	2.35	75	2.01	168	92	74	0	7	5	0
	LANSING	30	18	33	10	24	4	0.33	0.02	0.23	3.98	113	3.09	257	91	74	0	7	3	0
	MARQUETTE	22	12	27	3	17	6	0.47	-0.02	0.29	4.89	112	2.49	142	95	76	0	7	4	0
	MUSKEGON	30	24	33	21	27	4	0.24	-0.25	0.19	3.45	70	2.22	117	89	73	0	7	4	0
MN	DULUTH	23	15	27	6	19	12	0.05	-0.22	0.04	0.74	33	0.34	35	95	75	0	7	2	0
	INT'L FALLS	21	5	26	-9	13	12	0.06	-0.13	0.02	0.75	48	0.52	74	91	75	0	7	3	0
	MINNEAPOLIS	26	14	29	-1	20	8	0.03	-0.18	0.02	0.69	38	0.37	49	90	72	0	7	2	0
	ROCHESTER	23	14	28	2	18	7	0.10	-0.07	0.05	0.99	60	0.61	98	92	82	0	7	4	0
	ST. CLOUD	23	10	27	-7	16	9	0.13	-0.04	0.09	0.77	55	0.55	95	90	74	0	7	3	0
MS	JACKSON	54	36	64	28	45	1	4.35	3.20	2.59	14.69	146	8.91	216	98	70	0	3	3	2
	MERIDIAN	55	34	62	27	45	0	3.28	2.15	2.20	16.59	164	11.88	295	96	62	0	5	4	2
	TUPELO	47	32	52	24	40	0	1.09	0.03	0.54	9.89	99	6.17	159	92	65	0	4	3	2
MO	COLUMBIA	35	24	41	16	29	2	0.00	-0.30	0.00	3.21	89	1.44	125	87	71	0	7	0	0
	KANSAS CITY	36	22	44	15	29	3	0.00	-0.22	0.00	2.76	113	0.43	49	84	62	0	7	0	0
	SAINT LOUIS	34	25	44	18	29	0	0.12	-0.25	0.08	4.71	105	2.86	199	93	73	0	6	2	0
	SPRINGFIELD	41	25	51	17	33	2	0.05	-0.31	0.05	5.56	121	2.41	169	91	62	0	7	1	0
MT	BILLINGS	34	20	45	13	27	4	0.77	0.58	0.77	2.13	141	1.56	214	89	73	0	7	1	1
	BUTTE	34	12	40	-4	23	6	0.23	0.10	0.21	0.87	94	0.73	159	90	58	0	7	2	0
	GLASGOW	22	6	42	-3	14	4	0.05	-0.03	0.03	0.26	38	0.25	83	92	80	0	7	2	0
	GREAT FALLS	36	21	48	17	29	7	0.50	0.30	0.37	1.08	68	0.76	104	84	62	0	6	2	0
	KALISPELL	37	24	43	14	30	10	0.36	0.03	0.15	1.45	49	0.88	72	97	80	0	7	4	0
	MILES CITY	32	14	45	9	23	6	0.12	0.01	0.10	0.29	28	0.28	64	93	73	0	7	2	0
	MISSOULA	34	22	40	14	28	5	0.38	0.10	0.22	1.73	80	1.39	139	94	80	0	7	5	0
NE	GRAND ISLAND	29	16	33	2	22	0	0.14	0.03	0.11	0.59	54	0.18	47	91	76	0	7	2	0
	LINCOLN	29	16	32	12	22	1	0.19	0.08	0.19	1.22	94	0.49	117	92	76	0	7	1	0
	NORFOLK	26	17	30	9	21	2	0.06	-0.05	0.05	0.57	50	0.20	50	90	74	0	7	2	0
	NORTH PLATTE	32	14	37	9	23	1	0.19	0.11	0.16	0.49	65	0.29	104	92	75	0	7	2	0
	OMAHA	27	18	32	5	23	1	0.26	0.12	0.25	1.37	85	0.88	147	90	76	0	7	2	0
	SCOTTSBLUFF	43	18	55	11	30	5	0.00	-0.11	0.00	0.52	55	0.20	53	89	42	0	7	0	0
	VALENTINE	33	11	48	5	22	3	0.01	-0.05	0.01	0.14	25	0.11	58	92	74	0	7	1	0
NV	ELY	40	12	48	1	26	1	0.24	0.07	0.23	0.68	52	0.45	79	86	49	0	7	2	0
	LAS VEGAS	59	40	63	35	49	3	0.00	-0.11	0.00	0.26	35	0.19	50	59	27	0	0	0	0
	RENO	50	25	61	20	37	4	0.61	0.36	0.61	1.67	91	1.09	128	94	39	0	7	1	1
	WINNEMUCCA	47	28	59	20	38	8	0.17	0.00	0.09	1.85	125	1.59	269	91	53	0	6	3	0
NH	CONCORD	31	18	36	1	24	6	1.52	0.97	0.84	5.73	112	3.78	193	85	63	0	7	5	1
NJ	NEWARK	40	31	47	29	36	6	2.62	1.86	2.30	9.12	150	4.96	187	82	60	0	5	3	1
NM	ALBUQUERQUE	50	28	56	23	39	4	0.00	-0.11	0.00	1.16	133	0.16	42	71	27	0	6	0	0
NY	ALBANY	30	20	34	11	25	5	0.72	0.20	0.66	4.35	91	2.87	154	92	64	0	7	5	1
	BINGHAMTON	28	21	32	13	25	4	0.40	-0.12	0.30	5.74	117	2.92	154	98	93	0	7	4	0
	BUFFALO	31	22	39	15	26	3	0.65	0.08	0.46	8.01	137	5.05	235	94	76	0	7	5	0
	ROCHESTER	32	23	36	16	27	4	0.88	0.44	0.83	8.17	187	5.30	325	93	73	0	7	4	1
	SYRACUSE	30	21	35	5	25	3	1.21	0.71	1.02	8.97	177	4.87	262	94	71	0	7	5	1
NC	ASHEVILLE	45	31	52	26	38	2	1.42	0.69	0.99	11.18	186	8.19	330	92	63	0	5	5	1
	CHARLOTTE	49	34	54	29	41	2	1.58	0.73	0.74	8.64	136	4.56	159	90	58	0	3	5	2
	GREENSBORO	43	31	47	25	37	1	1.33	0.61	0.51	7.40	127	5.23	213	90	63	0	5	5	1
	HATTERAS	50	38	63	33	44	0	3.45	2.25	2.08	12.77	148	7.12	172	92	67	0	0	3	2
	RALEIGH	47	32	57	23	39	1	2.05	1.25	1.10	8.41	142	5.65	211	93	61	0	3	4	2
	WILMINGTON	54	38	63	26	46	1	3.59	2.71	3.03	10.94	165	6.11	202	95	64	0	2	3	2
ND	BISMARCK	21	5	27	-2	13	4	0.04	-0.07	0.03	0.17	20	0.09	24	90	77	0	7	2	0
	DICKINSON	25	12	38	5	19	5	0.06	-0.02	0.04	0.13	20	0.09	32	91	82	0	7	2	0
	FARGO	16	3	25	-11	9	4	0.00	-0.14	0.00	0.74	63	0.30	56	86	78	0	7	0	0
	GRAND FORKS	14	-1	24	-15	7	2	0.00	-0.17	0.00	0.74	61	0.18	32	89	79	0	7	0	0
	JAMESTOWN	19	1	22	-2	10	2	0.18	0.04	0.07	0.59	61	0.32	68	95	80	0	7	4	0
	WILLISTON	21	8	38	-8	15	6	0.14	0.03	0.08	0.28	28	0.26	60	88	77	0	7	4	0
OH	AKRON-CANTON	32	21	42	13	26	2	0.62	0.15	0.22	5.83	125	3.75	218	96	79	0	7	5	0
	CINCINNATI	38	28	46	19	33	6	0.48	-0.09	0.35	6.06	117	3.29	162	93	73	0	6	6	0
	CLEVELAND	33	24	41	16	28	4	0.62	0.19	0.25	6.28	134	3.85	238	99	83	0	7	6	0
	COLUMBUS	35	25	45	17	30	4	0.32	-0.15	0.16	4.44	97	2.31	134	91	74	0	7	3	0
	DAYTON	34	24	43	15	29	4	0.47	0.02	0.31	5.51	119	3.36	199	92	75	0	6	3	0
	MANSFIELD	31	20	41	13	26	2	0.24	-0.17	0.15	5.26	113	2.94	185	96	79	0	7	3	0

Based on 1961-90 normals

Weather Data for the Week Ending January 24, 1998

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP, °F		PRECIP.	
		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
	TOLEDO	31	26	33	23	29	7	0.30	-0.05	0.16	4.90	113	2.82	200	91	72	0	7	4	0
	YOUNGSTOWN	32	21	40	8	26	3	0.75	0.30	0.43	7.17	155	4.47	263	91	73	0	7	6	0
OK	OKLAHOMA CITY	50	28	61	23	39	3	0.00	-0.25	0.00	4.41	196	2.40	282	86	50	0	6	0	0
	TULSA	46	26	54	20	36	1	0.00	-0.33	0.00	7.05	210	2.76	232	88	51	0	6	0	0
OR	ASTORIA	51	43	56	37	47	5	4.65	2.44	0.89	22.85	124	14.42	182	94	82	0	0	7	6
	BURNS	39	28	45	22	34	10	0.42	0.20	0.27	2.83	147	1.93	247	95	71	0	7	4	0
	EUGENE	51	42	56	37	46	5	2.04	0.31	0.63	9.44	63	7.22	115	88	71	0	0	6	2
	MEDFORD	50	36	59	33	43	4	0.63	0.05	0.27	5.33	97	3.98	184	98	74	0	0	5	0
	PENDLETON	52	35	58	30	44	10	0.34	0.01	0.25	2.88	102	1.83	153	90	55	0	2	3	0
	PORTLAND	50	42	53	38	46	6	1.83	0.67	0.68	9.35	90	6.33	148	93	77	0	0	7	1
	SALEM	51	43	55	37	47	7	2.83	1.54	1.23	11.05	96	7.89	168	86	66	0	0	7	1
PA	ALLENTOWN	38	28	46	23	33	6	1.43	0.73	1.18	5.70	96	3.34	135	93	69	0	7	5	1
	ERIE	33	23	39	16	28	3	0.69	0.23	0.21	9.69	180	4.82	272	94	77	0	6	7	0
	MIDDLETOWN	39	29	45	22	34	6	1.29	0.66	1.10	5.96	110	3.95	183	93	57	0	7	4	1
	PHILADELPHIA	42	32	50	27	37	7	2.46	1.75	2.33	6.91	117	3.81	151	89	65	0	3	3	1
	PITTSBURGH	34	25	43	19	30	4	0.55	-0.01	0.34	4.89	100	3.61	180	90	67	0	7	4	0
	SCRANTON	33	25	37	20	29	5	0.57	0.08	0.36	5.15	125	2.90	180	98	82	0	7	5	0
	WILLIAMSPORT	35	27	38	21	31	6	0.68	0.13	0.67	3.09	62	1.64	84	92	67	0	7	2	1
RI	PROVIDENCE	40	28	52	22	34	6	3.34	2.49	1.92	9.22	124	6.39	210	85	67	0	6	2	2
SC	BEAUFORT	59	42	68	34	50	2	4.01	3.17	2.15	9.51	156	5.58	192	97	66	0	0	3	2
	CHARLESTON	59	41	66	32	50	2	4.06	3.29	3.27	11.22	193	6.04	226	98	59	0	1	3	2
	COLUMBIA	55	36	60	28	46	2	1.79	0.77	0.99	9.32	133	4.93	144	96	56	0	3	4	2
	GREENVILLE	48	34	55	28	41	1	1.32	0.40	0.79	9.44	129	5.20	164	94	56	0	3	6	1
SD	ABERDEEN	21	3	24	-9	12	2	0.24	0.16	0.13	0.74	107	0.56	200	90	80	0	7	6	0
	HURON	23	11	25	-7	17	4	0.15	0.07	0.09	0.43	57	0.21	75	88	75	0	7	2	0
	RAPID CITY	34	16	45	12	25	3	0.07	-0.01	0.07	0.24	31	0.16	57	94	76	0	7	1	0
	SIOUX FALLS	23	13	25	-2	18	4	0.29	0.18	0.22	0.72	65	0.47	118	92	80	0	7	4	0
TN	BRISTOL	45	32	50	22	38	5	0.89	0.17	0.45	5.15	88	2.97	119	94	66	0	4	5	0
	CHATTANOOGA	46	34	50	27	40	3	0.97	-0.12	0.45	10.43	116	7.13	187	95	68	0	3	5	0
	KNOXVILLE	45	34	50	28	40	4	1.17	0.25	0.43	5.74	73	3.38	104	92	66	0	3	5	0
	MEMPHIS	44	34	50	29	39	0	0.65	-0.13	0.44	10.83	125	6.31	215	93	63	0	3	3	0
	NASHVILLE	44	32	49	23	38	2	0.76	-0.01	0.54	5.74	77	3.54	126	90	67	0	3	4	1
TX	ABILENE	59	34	72	25	46	4	0.33	0.09	0.33	3.63	202	0.47	60	84	47	0	4	1	0
	AMARILLO	54	26	61	20	40	5	0.00	-0.11	0.00	2.79	353	0.67	176	79	29	0	6	0	0
	AUSTIN	64	43	76	37	53	5	0.01	-0.38	0.01	5.87	185	1.61	125	88	56	0	0	1	0
	BEAUMONT	64	48	73	37	56	5	4.86	3.80	4.14	15.25	178	8.63	229	96	69	0	0	2	2
	BROWNSVILLE	74	53	80	43	64	4	0.00	-0.36	0.00	0.82	33	0.37	31	97	65	0	0	0	0
	CORPUS CHRISTI	70	48	78	39	59	4	0.64	0.23	0.63	1.26	50	1.06	83	93	62	0	0	2	1
	DEL RIO	69	40	79	34	54	4	0.00	-0.14	0.00	0.63	61	0.04	10	85	36	0	0	0	0
	EL PASO	63	35	70	28	49	6	0.00	-0.08	0.00	1.45	161	0.04	13	67	28	0	3	0	0
	FORT WORTH	56	35	66	28	45	2	0.04	-0.37	0.04	11.89	365	4.96	354	93	54	0	2	1	0
	GALVESTON	63	52	72	47	58	5	0.96	0.25	0.90	10.45	171	5.56	215	93	77	0	0	3	1
	HOUSTON	67	45	76	34	56	6	0.27	-0.47	0.25	9.54	158	4.13	160	93	54	0	0	2	0
	LUBBOCK	56	29	64	21	43	4	0.00	-0.08	0.00	1.75	213	0.00	0	74	30	0	5	0	0
	MIDLAND	62	33	73	22	47	5	0.00	-0.08	0.00	1.36	160	0.01	4	75	27	0	4	0	0
	SAN ANGELO	62	31	73	22	47	3	0.05	-0.14	0.05	1.48	108	0.09	15	89	38	0	4	1	0
	SAN ANTONIO	65	43	76	35	54	5	0.01	-0.39	0.01	4.73	169	1.17	90	90	49	0	0	1	0
	VICTORIA	68	44	77	35	56	4	0.08	-0.42	0.04	2.37	64	0.74	44	95	59	0	0	2	0
	WACO	59	37	69	30	48	3	0.05	-0.32	0.05	15.81	510	5.99	483	95	59	0	2	1	0
	WICHITA FALLS	53	32	67	25	42	2	0.06	-0.17	0.04	5.40	265	1.28	168	88	49	0	4	2	0
UT	SALT LAKE CITY	47	31	54	26	39	11	0.26	0.01	0.26	2.11	92	1.48	168	82	45	0	5	1	0
VT	BURLINGTON	27	10	32	-9	19	3	0.56	0.17	0.47	5.45	141	3.81	265	88	71	0	7	4	0
VA	LYNCHBURG	42	29	45	20	35	1	1.63	1.00	0.68	7.03	129	4.31	195	95	65	0	5	5	1
	NORFOLK	47	36	61	31	41	3	1.13	0.28	0.87	6.51	106	3.85	132	87	58	0	3	4	1
	RICHMOND	45	32	56	24	38	3	2.17	1.45	1.67	6.72	116	4.35	172	93	61	0	4	4	1
	ROANOKE	42	31	46	22	37	3	1.39	0.81	0.55	7.53	152	5.16	258	88	62	0	2	5	1
	WASH/DULLES	41	28	46	19	35	4	1.75	1.14	1.46	5.14	96	3.22	152	92	63	0	4	4	1
WA	HANFORD	45	33	57	26	39	--	0.22	0.03	0.12	1.48	92	1.17	202	86	68	0	4	4	0
	OLYMPIA	48	38	52	31	43	5	2.95	1.17	0.85	16.20	112	10.06	159	99	86	0	1	7	2
	QUILLAYUTE	49	42	55	38	46	6	8.56	5.37	3.99	30.19	113	14.69	130	96	87	0	0	7	6
	SEATTLE-TACOMA	50	42	57	37	46	5	2.12	0.93	0.96	8.63	85	5.99	140	91	70	0	0	7	1
	SPOKANE	39	31	42	28	35	8	0.86	0.43	0.49	2.80	70	1.79	113	99	84	0	5	4	0
	YAKIMA	39	26	46	20	32	2	0.18	-0.10	0.07	2.52	105	2.33	238	96	78	0	6	6	0
WV	BECKLEY	37	26	41	21	32	3	0.65	0.00	0.22	4.66	84	2.46	108	94	72	0	5	4	0
	CHARLESTON	40	29	49	22	35	3	0.25	-0.38	0.09	3.71	66	2.15	95	95	70	0	5	4	0
	ELKINS	38	25	46	16	31	5	0.77	0.09	0.38	5.96	101	3.44	142	95	68	0	6	4	0
	HUNTINGTON	40	29	49	19	35	3	0.52	-0.10	0.31	5.44	98	3.89	175	91	69	0	5	3	0
WI	EAU CLAIRE	27	11	33	2	19	9	0.22	0.00	0.11	1.49	79	1.25	158	92	78	0	7	3	0
	GREEN BAY	27	15	29	-3	21	7	0.41	0.16	0.19	2.38	97	1.78	193	92	75	0	7	3	0
	MADISON	27	19	30	8	23	7	0.25	0.03	0.10	2.92	108	1.67	192	92	76	0	7	4	0
	MILWAUKEE	30	22	32	14	26	7	0.56	0.23	0.56	4.08	113	2.76	214	94	75	0	7	1	1
WY	CASPER	36	16	50	3	26	3	0.23	0.12	0.22	0.89	82	0.40	93	82	56	0	7	2	0
	CHEYENNE	40	20	51	12	30	3	0.00	-0.08	0.00	0.61	87	0.07	24	70	33	0	7	0	0
	LANDER	34	14	44	5	24	4	0.00	-0.11	0.00	1.95	207	0.10	26	83	48	0	7	0	0
	SHERIDAN	32	11	46	6	22	1	0.07	-0.10	0.06	0.96	74	0.33	58	89	69	0	7	2	0

NOTE: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

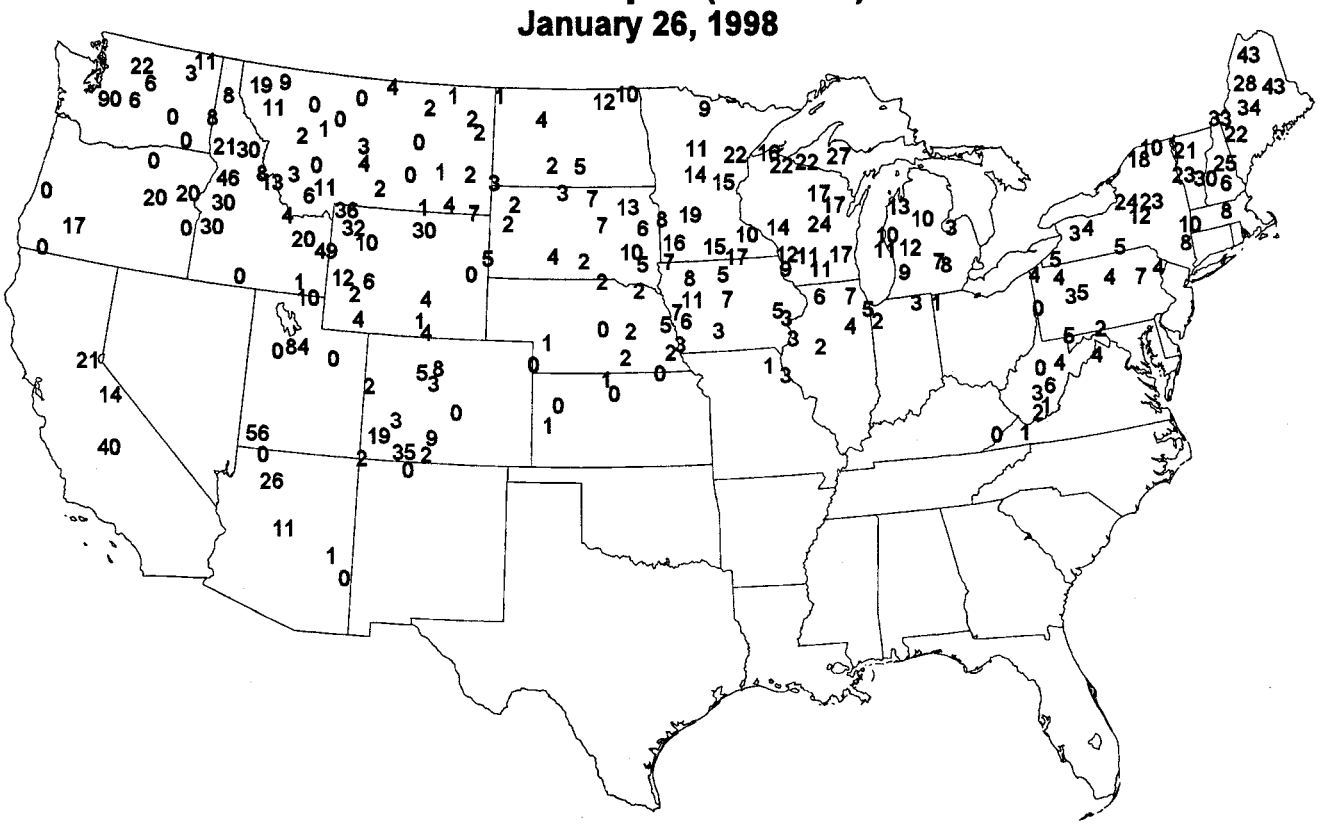
January 19 - 25, 1998

HIGHLIGHTS

Mild temperatures prevailed nationwide as heavy rains continued to fall in the Southeast and along the Pacific Coast. Parts of Louisiana and North Carolina have already received record January precipitation. In Florida, early and mid-season orange harvests were very active for processing despite wet, cool weather in the citrus areas. More snow and ice in New England hampered agricultural activities and stressed livestock, especially dairy herds. Farmers are concerned that storms have damaged maple and fruit trees but will not know the extent of the damage until spring. Many Corn Belt States also received snow. Light snow fell in Montana, but the rest of the northern and central Plains remained generally dry as it has for over 3 months. Mild weather, along with recent rains, in the southern Plains aided growth and development of the winter wheat crop and left most fields in good condition at week's end. In California, field activities resumed on drier soils. However, because of earlier rains, most areas were still too wet for heavy equipment. Cotton fields were prepared for planting where conditions permitted. Wet weather in orchards and vineyards hampered pruning, vine tying, and dormant spraying.

Snow Depth (Inches)

January 26, 1998



The NWS co-operative observer network is the principal source of the snow depth reports.

Experimental product based on preliminary data

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

International Weather and Crop Summary

January 18 - 24, 1998

HIGHLIGHTS

FSU-WESTERN: Colder weather spread westward over winter grain areas in Russia, Ukraine, Belarus, and the Baltics.

EUROPE: Cooler weather dropped temperatures to more seasonable levels in western and northern winter grain areas.

NORTHWESTERN AFRICA: Light showers favored winter grains in eastern Algeria and Tunisia, while mostly dry weather limited moisture for crop development in southern Morocco and western and central Algeria.

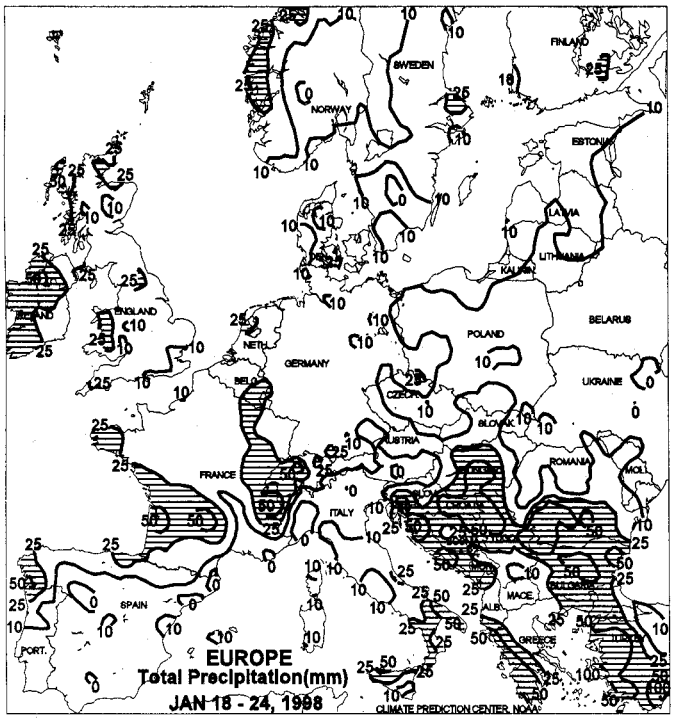
AUSTRALIA: Warm, dry weather dominated summer crop areas across the east.

SOUTH AFRICA: Scattered showers benefited vegetative to reproductive corn, although a few dry pockets lingered in the west.

SOUTHEAST ASIA: Increased rainfall brought some drought relief to the eastern Philippines, but drought worsened in the north. Widespread showers covered Java, aiding main-season rice.

CHINA: Cold weather kept winter wheat dormant across the North China Plain.

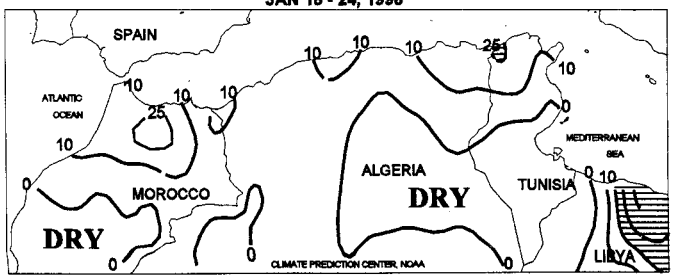
SOUTH AMERICA: Ideal summer crop weather continued in Argentina. Rain eased dryness in Mato Grosso do Sul, Brazil, but more is needed.



EUROPE

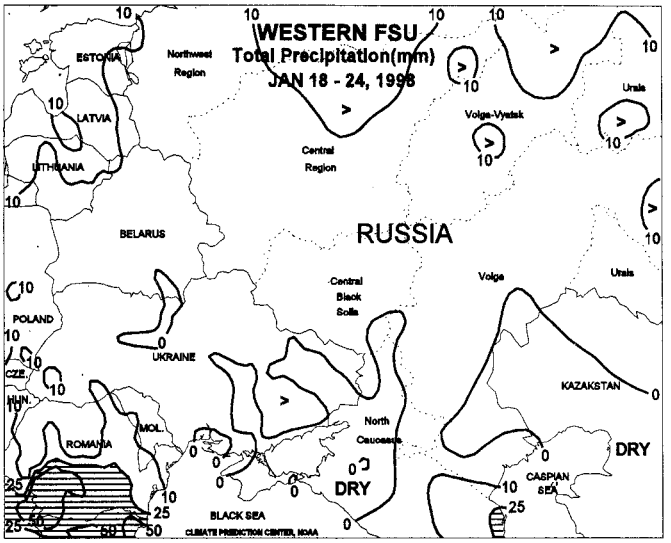
Widespread light to moderate rain (10-25 mm, with local amounts in excess of 25 mm) fell early in the week in western and northern winter grain areas. Stormy weather prevailed in southeastern Europe, with moderate rain turning to locally heavy snow by mid-week. Precipitation amounts in Hungary, Romania, Croatia, former Yugoslavia, and Bulgaria generally ranged from 25 to 50 mm or more. The precipitation in Hungary was especially welcomed in helping to boost low soil moisture reserves. A cooling trend spread westward over Europe during the week, dropping temperatures to more seasonable levels in the west and north. At week's end, minimum temperatures ranged from -2 to -7 degrees C in England, France, the Benelux countries, and Germany. In eastern Europe, minimum temperatures ranged from -5 to -15 degrees C. A fresh snow cover in southeastern Europe provided protection from extreme cold.

NORTHWEST AFRICA Total Precipitation (mm)
JAN 18 - 24, 1998



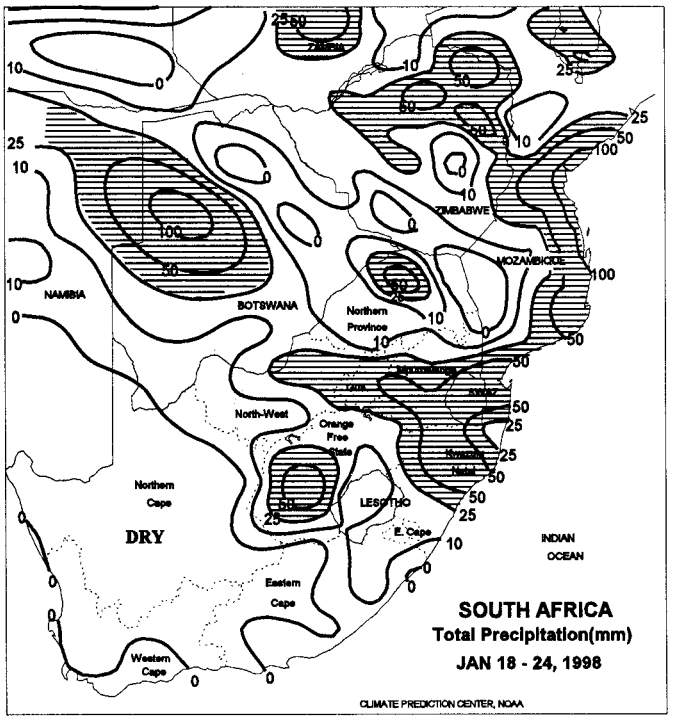
NORTHWESTERN AFRICA

Winter grains were in the vegetative stage over most of the region. Light precipitation (10-25 mm) favored winter grains in northern Morocco, eastern Algeria, and Tunisia. Mostly dry weather prevailed over crop areas in southern Morocco and western and central Algeria. Continued dryness in western and central Algeria since December has depleted soil moisture reserves, and rain is needed to alleviate crop stress.



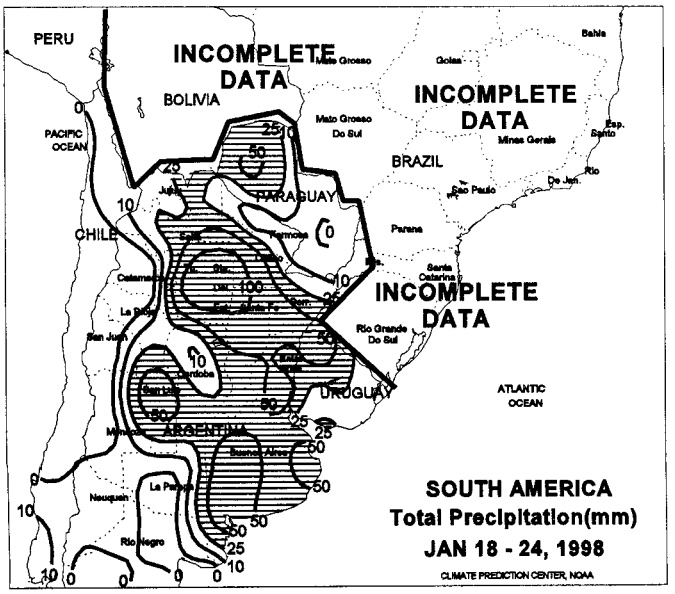
FSU-WESTERN

Mild conditions early in the week were followed by much colder weather as the week progressed. Lowest temperatures (-15 to -25 degrees C) occurred in central and southern Russia and the extreme eastern tip of Ukraine. An adequate snow cover in these areas provided protection from potential widespread damage. In areas that lacked a protective snow cover (the remainder of Ukraine, the Baltics, and Belarus), minimum temperatures ranged from -2 to -13 degrees C and did not fall low enough to threaten winter grains. Light precipitation (3-10 mm) prevailed over most winter grain areas. Greatest amounts of precipitation (10-17 mm) fell in the Baltics, mostly in the form of rain.



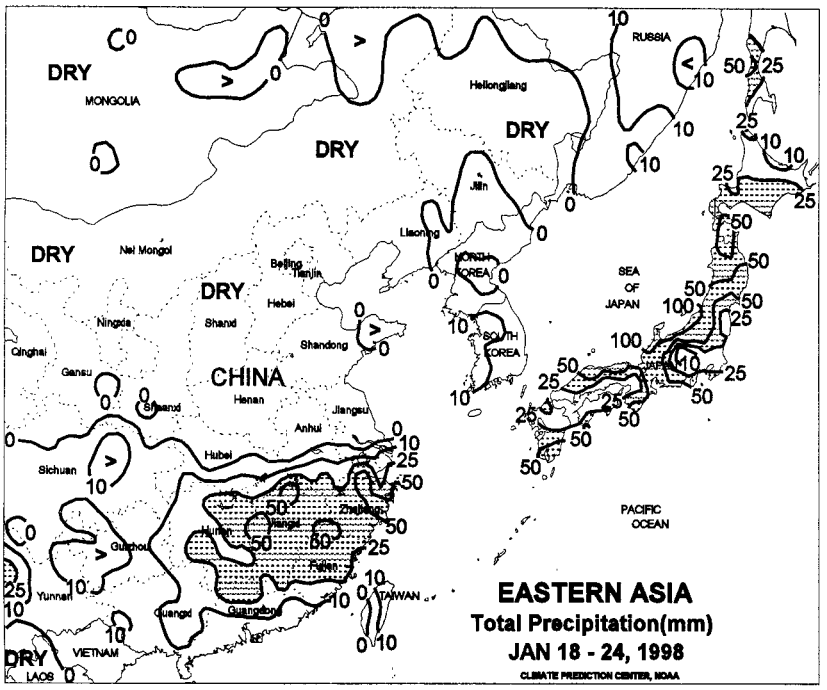
SOUTH AFRICA

Summer storms returned to much of the corn belt, benefiting vegetative to reproductive crops. Rainfall was heaviest in eastern crop areas, totaling 25 to 50 mm or more from the northeastern corn belt (eastern North West to Mpumalanga) southward to the sugarcane fields of Kwazulu-Natal. Pockets of lighter rain (10 mm or less) persisted in western crop areas, with highs reaching the mid 30's C. The region's corn typically advances through reproduction well into February, and could possibly continue into March due to late plantings. Low subsoil moisture reserves in the west and south would limit yield potential if dry spells continue or recur. Elsewhere in southern Africa, a tropical cyclone brought locally heavy rain (50-100 mm or more) to the Mozambique coast as it traveled southward past Madagascar. Moderate to heavy rain (25-50 mm or more) also continued in northern Zimbabwe, benefiting summer grains and further increasing moisture reserves.



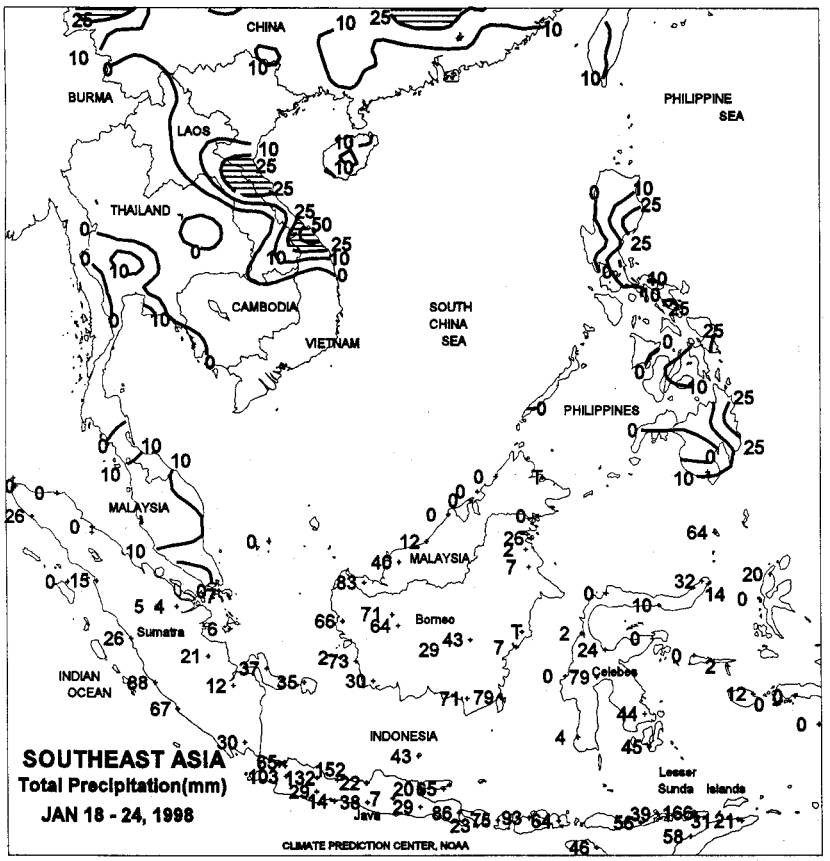
SOUTH AMERICA

In southern Brazil, incomplete reports indicated that moderate showers eased dryness in Mato Grosso do Sul, but more rain is still needed. Elsewhere in southern Brazil, light to moderate showers maintained adequate soil moisture supplies for vegetative soybeans. In Argentina, rain (30-70 mm) along with cool weather (temperatures 1-3 degrees C below normal) provided ideal conditions for vegetative soybeans and reproductive corn. The rain, however, hampered late winter wheat harvesting. Rain (10-60 mm) benefited cotton in northern Argentina. In southern Paraguay, dry, warm weather (temperatures averaged 1-3 degrees C above normal) reduced soil moisture for soybeans.



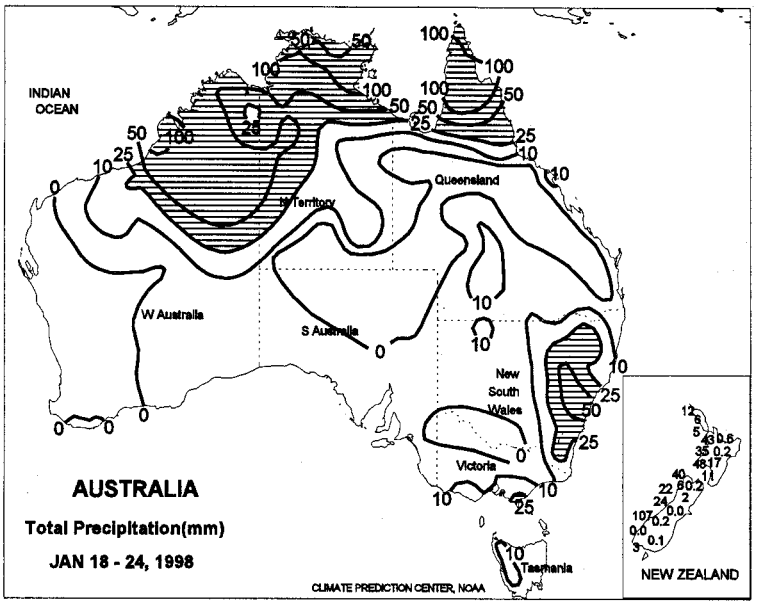
CHINA

Cold weather kept winter wheat dormant across the North China Plain. Temperatures averaged 3 to 4 C degrees C below normal, with lows ranging from -12 to -15 degrees C. These temperatures are above the threshold of damaging winter wheat. Precipitation was confined to the lower Yangtze Valley and southern China, maintaining abundant moisture for vegetative winter grains and oilseeds.



SOUTHEAST ASIA

Widespread showers (30-130 mm) covered Java, aiding main-season rice. Showers (10-35 mm) increased across the eastern Philippines, easing dryness, but much more rain is needed. Drought continued to worsen in the north. Mostly dry weather (less than 15 mm) eased wetness across peninsular Malaysia.



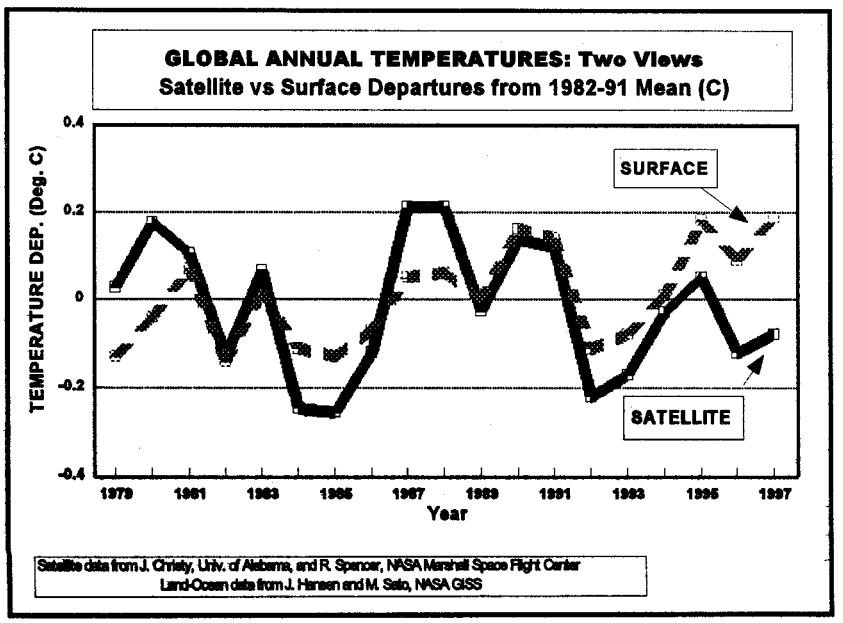
AUSTRALIA

Rainfall tapered off in eastern Australia's main summer crop areas as unseasonable warmth (temperatures averaging 2-3 degrees C above normal, with highs near 40 C) raised crop moisture demands. The driest area continued to be centered over Queensland's eastern cotton and sorghum areas where little, if any, rain has fallen since late December. Moderate rain (10-25 mm or more) covered the Darling Downs area and a few western locations in Queensland and New South Wales. Scattered, light showers (less than 25 mm) were also recorded in sugarcane areas along the northeastern coast, including sections of the north that recently flooded. The welcomed, drier weather was due to a northward shift in the intense tropical activity that has plagued the region in recent weeks. Dry weather also covered agricultural areas throughout the west as light showers (5 mm or less) were scattered across the southeast. Temperatures averaged 1 to 2 degrees C below normal in these areas, but summer heat (highs in the mid to upper 30's C) was still prevalent. In New Zealand, moderate showers (25-50 mm) boosted soil moisture reserves in central pasture lands of North Island, but showers were generally light elsewhere in the country.

Global Temperature Trends

The year 1997 was the warmest on record, supplying more evidence that global warming has arrived. The year was also cooler than normal, with recent data showing no evidence of global warming. The data could support either argument.

It all depends on what data you examine. Temperature indices based on land and ocean temperatures monitored at NASA's Goddard Institute for Space Studies (GISS) show that 1997 averaged 0.19°C (0.34°F) above the 1982-91 mean. This makes 1997 the warmest year on record. A separate global temperature index developed by NOAA's National Climatic Data Center also places 1997 as the warmest year on record. The trend based on the GISS data since 1979 shows a rise of +0.11°C (0.20°F) per decade. However, lower tropospheric temperatures measured by the NOAA satellites' Microwave Sounding Unit indicate that 1997 temperatures were 0.08°C (0.14°F) lower than the 1982-91 mean. The satellite trend since 1979 is actually declining at the rate of -0.05°C (-0.09°F) per decade.



The discrepancy between the surface and satellite measurements of climate is the subject of spirited debate among the research community. Perhaps both time series are correct; they are just measuring different things. The surface record combines thermometer readings over land with sea surface temperatures, while the satellite calculates the mean global temperature from the surface to 20,000 feet up.

The differences among climate measurements mean that research scientists will need to carefully examine a number of data sources before confirming the extent of the human impact on climate.

--Douglas Le Comte

The *Weekly Weather and Crop Bulletin* is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic first class **$45**, foreign **$55** (in U.S. funds by international money order or check drawn on U.S. bank) payable to **U.S. Department of Commerce, NOAA**. POSTMASTER: Send address changes to: **Climate Prediction Center, W/NP52, Attn: *Weekly Weather and Crop Bulletin*, NOAA/NWS/NCEP, 4700 Silver Hill Road, Stop 9910, Washington, DC 20233-9910**. Order subscriptions from the office and address listed above. First-class postage paid at Washington, DC, and other mailing offices. Correspondence to the meteorologists should be directed to: **Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250.** Internet URL: **http://www.usda.gov/oce/waob/jawf**; E-mail address: ***wwcb@jawfsrv.wwb.noaa.gov***

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Prediction Center
Managing Editor ..... ***Douglas Le Comte*** (202) 720-7919
fax (202) 720-1455
Editor ..... ***Brad Rippey*** (202) 720-1444
Meteorologists .... ***David Secora, Jeff Savadel, Brian Morris***
Special Requests ..... (202) 720-7917
Subscriptions ..... ***John Kopman*** (301) 763-8227, ext. 7534
fax (301) 763-8395

U.S. DEPARTMENT OF AGRICULTURE
Economic Research Service
E.R.S. Editor ..... ***Sharon Lee***
National Agricultural Statistics Service
Agricultural Statistician ..... ***Rhonda Brandt*** (202) 720-7621
State Summaries Editor ..... ***Klara Haskins*** (202) 720-8033
World Agricultural Outlook Board
Agricultural Weather Analysts ..... ***Ray Motha***
..... ***Tom Puterbaugh, Mark Brusberg, Bob Stefanski***
Secretary ..... ***Teressa Davis*** (202) 720-9807

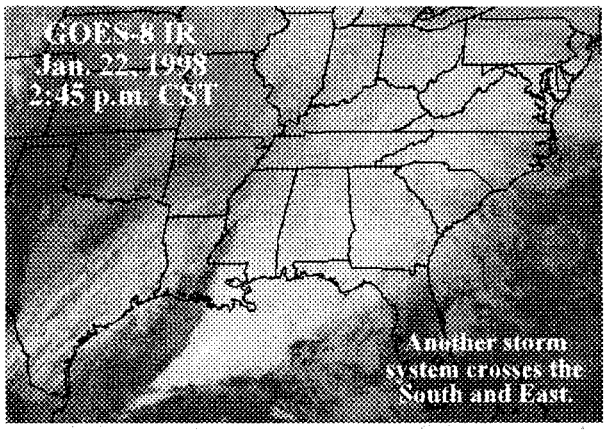
(Continued from front cover)
On Sunday, **Salt Lake City, UT** notched a second consecutive daily-record high (56 and 54°F). Daily records were also reported in **Bakersfield, CA** (75°F) and **Boise, ID** (57°F). Meanwhile, a moisture-laden storm reached the **West Coast**. Unsettled weather continued across the **Northwest** for much of the week, followed by another strong system at week's end. On Saturday morning, wind gusts along the **Oregon Coast** reached 79 mph on **Cape Blanco** and 51 mph in **Florence**. Although the storms produced less precipitation than last week's systems, they boosted month-to-date rainfall (through January 25) to 15.32 inches in **Astoria, OR** (187 percent [%] of normal), 11.24 inches (232%) in **Eureka, CA**, and 8.80 inches (181%) in **Salem, OR**.

An early-week storm also affected the **East Coast**, dropping light rain in many areas but dumping heavy snow on **eastern Maine**. By Tuesday, storm-total snowfall reached 10.5 inches in **Ellsworth** and 7.0 inches in **Bangor**. Two days earlier, the season's first measurable snow (0.5 inch) had fallen in **New York's Central Park**, only 11 days before their latest first snow on record, set on January 29, 1973.

The first **West Coast** storm reached the **Southeast** at midweek, depositing a daily-record rainfall (2.59 inches) in **Jackson, MS**. By Friday, daily-rainfall records were set up and down the **Eastern Seaboard**, from **Melbourne, FL** (2.97 inches) to **Bridgeport, CT** (2.48 inches), and at nearly a dozen locations in between. In **South Carolina, Charleston's** total of 3.27 inches on Friday approached their single-day record for the month (3.90 inches on January 12, 1993). During the storm's passage, January precipitation records were broken in **Baton Rouge, LA** (14.00 inches), **Asheville, NC** (8.20 inches), and **Burlington, VT** (5.08 inches). In **Louisiana, New Orleans'** month-to-date total of 18.04 inches was approaching their January record of 19.25 inches, set in 1991.

Farther north, snow and ice affected the **Northeast**. **Boston, MA** netted 2.19 inches of liquid in 24 hours on January 23-24, including 2.2 inches of snow and sleet. In **northern New England**, snowfall totaled 11 inches in **Bethel, VT**, 10 inches in **Gorham, NH**, and 7 inches in **Gray, ME**. Nearly a foot (11.8 inches) fell in **Peru, NY**. The storm boosted month-to-date snowfall to 24.1 inches in **Burlington, VT** and 33.3 inches in **Caribou, ME**. Meanwhile, persistent light snow continued across the **upper Midwest** and **Great Lakes States**. Through January 25, month-to-date snowfall reached 24.9 inches in **Eau Claire, WI**, 23.1 inches in **Milwaukee, WI**, 19.0 inches in **Grand Rapids, MI**, and 11.7 inches in **Sioux Falls, SD**.

Mostly dry, mild weather prevailed in **Alaska** (temperature departures ranged from -5 to +8°F) and **Hawaii** (up to +3°F). Daily-record highs were set on **Annette Island, AK** (50°F on Saturday) and in **Hilo, HI** (86°F on Thursday).



Climate Prediction Center, W/NP52
Attn: *Weekly Weather & Crop Bulletin*
NOAA/NWS/NCEP
4700 Silver Hill Road
Stop 9910
Washington, DC 20233-9910

WEEKLY NEWS BULLETIN
FIRST CLASS

FIRST CLASS MAIL
POSTAGE & FEES PAID
NOAA
PERMIT NO. G-19

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300