

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

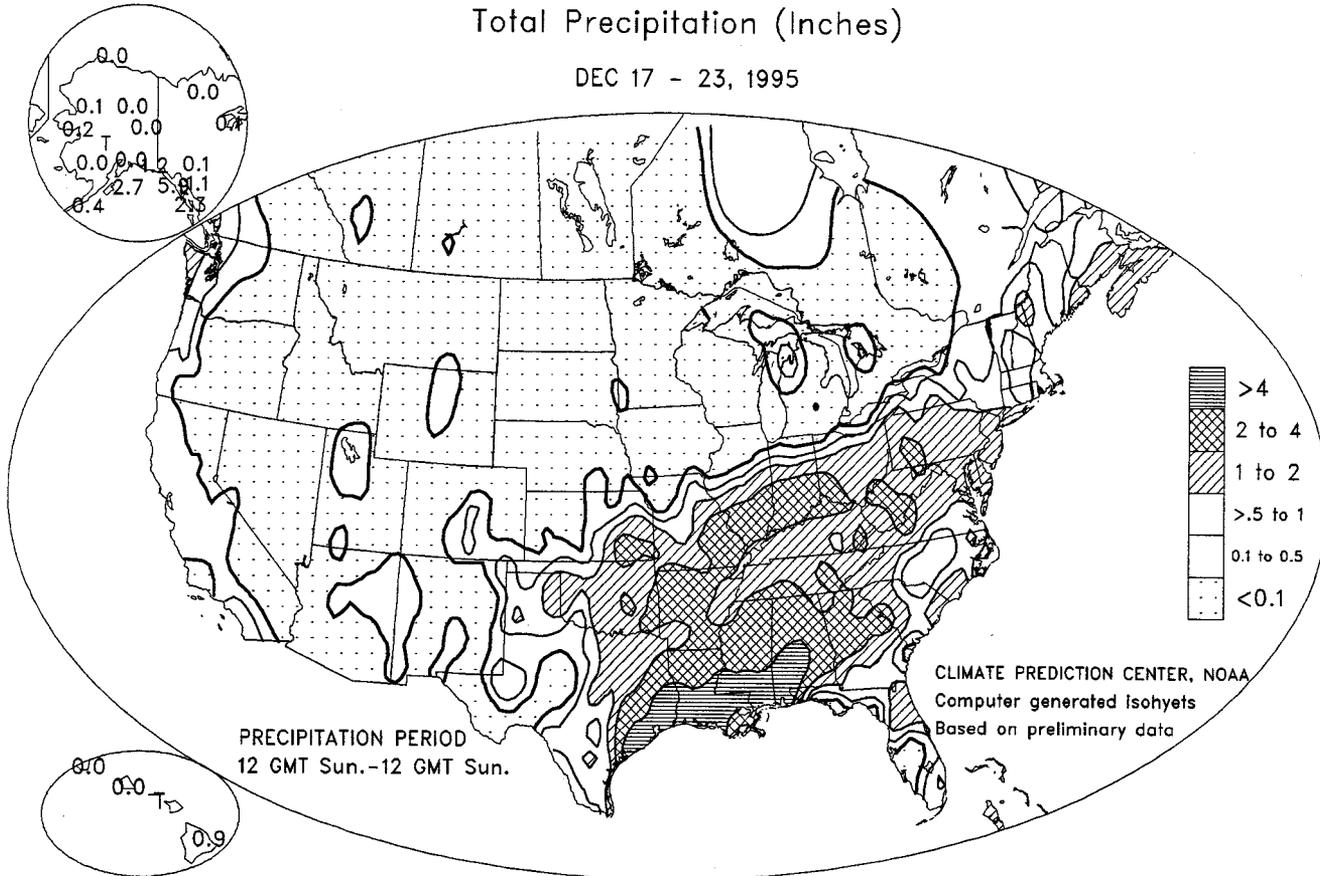
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December 27, 1995

Total Precipitation (Inches)

DEC 17 - 23, 1995



HIGHLIGHTS

December 17 - 23, 1995

Quiet weather prevailed along the **West Coast** after last week's major storm, owing to the development of a jet-stream split over the **eastern Pacific**. Energy coursing into the southern branch of the split jet spurred the development of a significant storm. The early- to midweek system eased drought in the **central and southern Plains**, delivered heavy snow from the **Southwest** to the **Northeast**, and dropped heavy rain on the **Gulf Coast States**. In the storm's wake, temperatures showed a remarkable uniformity, resulting in above-normal readings in the **North** and below-normal values across the **South**.

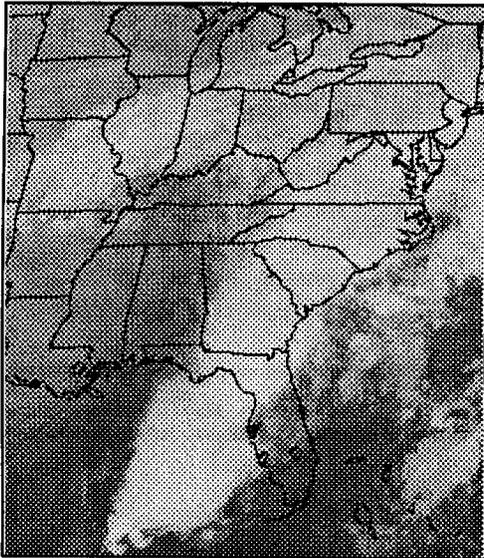
Early in the week, 4 to 10 inches of rain fell from **eastern Texas** to **northwestern Florida**, causing widespread flash flooding and minor river

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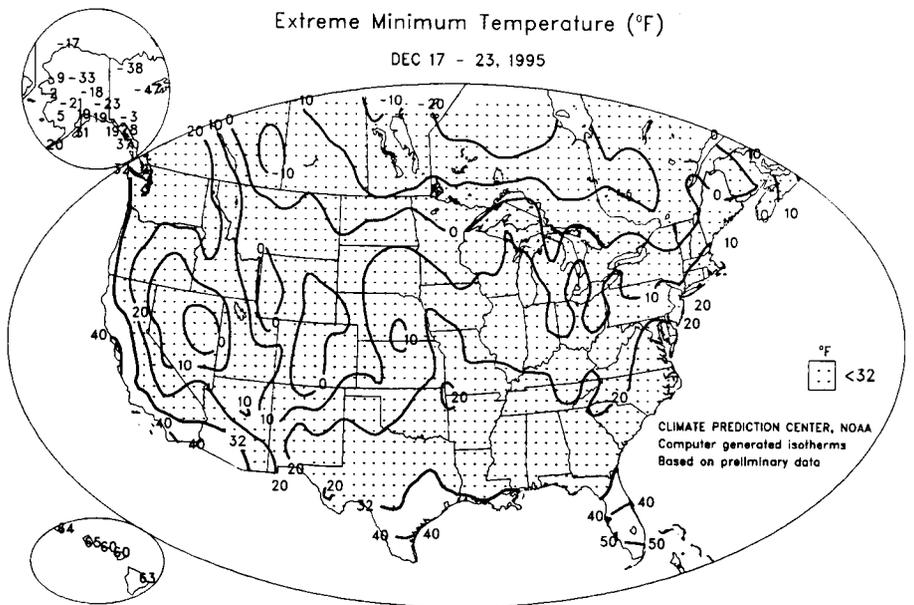
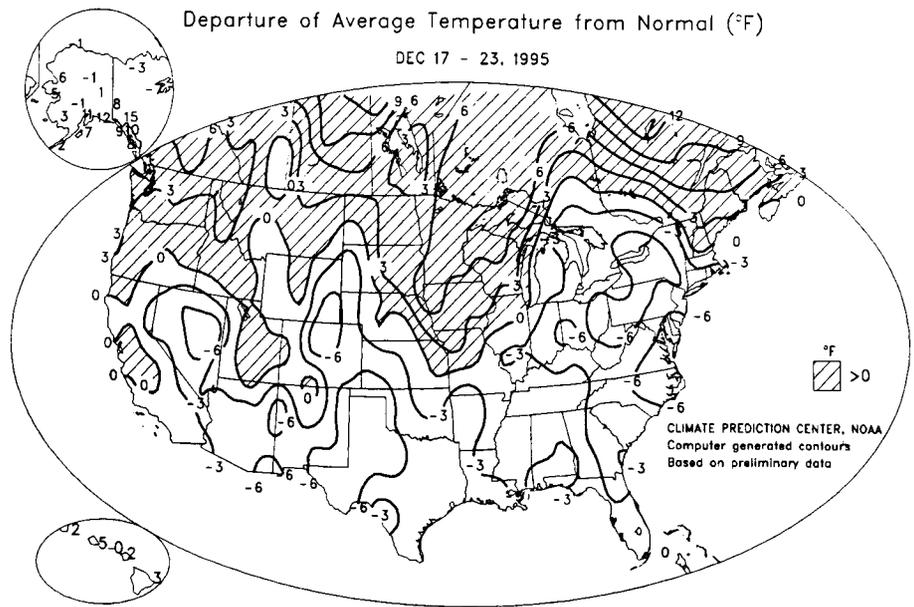


GOES-8 IR, Dec. 19, 1995, 12:46 UTC

(Continued from front cover)

flooding. Two-day (December 17-18) totals reached 8.89 inches in **Beaumont, TX**, 8.84 inches in **Lafayette, LA**, and 7.68 inches in **Mobile, AL**. In addition to the heavy rain, severe weather, including more than a dozen tornadoes, raked the region. Meanwhile, urgently needed precipitation fell across the **central and southern Plains**. In **Lubbock, TX**, 0.45 inches of rain on Sunday ended a 75-day dry spell, leaving the city 2 days shy of its February-April 1972 all-time record. **Dodge City, KS** measured 0.48 inches (5.0 inches of snow), quadrupling their October 1 - December 15 total. Storm-total snowfall on the **southern Plains**, whipped by wind gusts in excess of 30 mph, reached 2.7 inches in **Amarillo, TX** and 4.0 inches in **Oklahoma City, OK**. **Las Vegas, NM** reported a maximum depth of 7 inches. The northwestern half of the **central Plains** remained critically dry, however. In **Tribune, KS**, only 0.13 inches of precipitation fell during the astronomical autumn (September 23 - December 22), breaking a record that had stood since 1939, when 0.18 inches fell.

Farther east, heavy rain fell as far north as the **lower Ohio River Valley**, with heavy snow and ice accumulations observed from the **Midwest** into the **Northeast**. December 19-20 snowfall topped 8 inches from **central Indiana** to **New England**, driven by north-to-northeasterly wind gusts that reached 43 mph in **Cleveland, OH** (15.3 inches of snow) and 39 mph in **Indianapolis, IN** (8.0 inches). In **Youngstown, OH**, an 11.6-inch total on Tuesday was their greatest single-day December snowfall. The storm boosted the astronomical-autumn snowfall to a record 25.4 inches (three times normal) in **Harrisburg, PA**. Elsewhere in the **Northeast**, snowfall included 10.0 inches in **Bridgeport, CT**, 15.0 inches at **New York City's La Guardia Airport**, and 15.7 inches in **Portland, ME**. The storm dislodged remnant arctic air from **northern Maine** that, on Sunday, resulted in minima as low as -14°F in **Caribou** and -9°F in **Houlton**.



Although the storm stalled over **southeastern Canada** after midweek, the resultant northwesterly flow failed to deliver bitterly cold air. **East of the Rockies**, the Nation's lowest temperature after midweek was -12°F, recorded on Friday morning in **Williston, ND**. But the persistent flow chilled the **South**, where on Thursday, **Atlanta, GA** marked the first of 4 consecutive days with a high of 40°F or below. On Saturday, the Nation's highest reported temperature was 68°F, in **Key West, FL**. Farther north, cloudy, squally weather plagued the **Great Lakes States**, where **Pittsburgh, PA** spent 94 of the week's last 111 hours engulfed in snow showers.

Arctic air also remained absent from the **West**, although in high-elevation valleys, lows on Saturday morning dipped to -4°F in **Gallup, NM** and -12°F in **Ely, NV**. Farther south, late-week moisture streaked eastward, whitening the **southern Rockies** and dampening **Florida** and **southern Texas**. By Saturday morning, 4 inches of new snow covered **Red River, NM**. Additional southern-stream energy moved through **southern California** on Saturday, delivering 0.77 inches of rain to **Los Angeles** and 11 inches of snow atop **Mt. Wilson**.

National Weather Data for Selected Cities

Weather Data for the Week Ending December 23, 1995

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	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	49	34	63	23	42	-3	1.77	0.60	1.46	3.61	96	52.35	98	89	60	0	0	4	4	3	1	
MOBILE	56	41	76	27	49	-4	7.68	6.47	4.68	7.88	201	79.33	127	90	59	0	0	4	4	2	2	
MOBILITY	52	38	67	25	45	-2	4.22	3.03	2.36	5.78	179	45.45	85	87	56	0	0	3	4	2	2	
AK ANCHORAGE	31	23	37	19	27	11	0.00	0.00	0.00	0.09	11	13.77	88	86	70	0	0	0	0	0	0	
BARROW	-10	-16	-5	-17	-13	-1	0.00	-0.03	0.00	0.02	22	3.17	74	79	75	0	0	7	7	0	0	
FAIRBANKS	1	-13	19	-18	-6	1	0.00	-0.19	0.00	0.07	11	8.88	83	82	71	0	0	7	7	0	0	
JUNEAU	40	33	46	28	37	10	1.15	0.15	0.64	2.27	69	...	...	100	85	85	0	0	2	5	1
KODIAK	40	35	41	31	37	7	2.69	1.12	0.64	8.27	167	91.68	140	97	85	0	0	2	7	3	3	
NOKE	18	4	23	-2	11	5	0.16	-0.03	0.09	0.33	52	15.14	103	86	78	0	0	7	6	0	0	
AZ PHOENIX	61	39	64	37	50	-3	0.00	-0.22	0.00	0.00	0	9.40	127	73	32	0	0	7	0	0	0	
PRESCOTT	46	21	48	18	34	-2	0.00	-0.36	0.00	0.14	12	11.47	60	92	66	0	0	7	0	0	0	
TUCSON	58	35	62	32	46	-5	0.02	-0.23	0.01	0.22	28	11.19	95	83	32	0	0	1	2	0	0	
YUMA	65	43	68	41	54	-2	0.04	-0.07	0.04	0.04	12	3.28	108	57	33	0	0	7	1	0	0	
AR FORT SMITH	39	32	50	20	36	-3	3.36	2.71	2.54	3.90	164	39.22	97	90	71	0	0	4	2	2	2	
LITTLE ROCK	...	...	...	...	...	...	2.64	1.60	...	3.40	95	36.44	76	...	...	...	...	...	...	...	...
CA BAKERSFIELD	56	39	62	33	48	1	0.46	0.32	0.46	1.66	369	9.51	172	95	51	0	0	0	1	0	0	
FRESNO	57	40	59	36	49	0	0.18	-1.16	0.15	7.81	173	47.53	132	88	61	0	0	0	2	0	0	
FRESNO	53	39	56	35	46	1	0.13	-0.20	0.09	1.52	149	16.69	165	95	54	0	0	0	2	0	0	
LOS ANGELES	63	48	67	45	56	-1	0.77	0.40	0.77	2.12	178	23.25	201	79	50	0	0	0	1	1	0	
REDDING	55	37	61	29	46	1	0.21	-1.04	0.17	9.04	224	55.94	176	96	49	0	0	2	2	0	0	
SACRAMENTO	55	39	59	34	46	2	0.14	-0.43	0.14	4.56	254	28.39	169	97	68	0	0	0	1	0	0	
SAN DIEGO	62	48	65	45	55	-2	0.79	0.43	0.72	0.88	75	17.03	179	79	47	0	0	0	3	1	0	
SAN FRANCISCO	55	45	60	41	50	1	0.36	-0.35	0.22	5.72	260	26.75	143	92	59	0	0	0	2	0	0	
CO DENVER	33	12	39	5	23	-8	0.04	-0.10	0.04	0.35	8	16.02	105	94	54	0	0	7	1	0	0	
GRAND JUNCTION	41	19	47	12	30	0	0.00	-0.15	0.00	0.00	0	9.99	98	88	41	0	0	7	0	0	0	
FURBIO	38	9	43	1	24	-6	0.00	-0.08	0.00	0.00	0	15.40	139	93	46	0	0	7	0	0	0	
CT BRIDGEPORT	33	21	38	15	27	-6	0.74	-0.04	0.48	2.02	77	33.12	81	85	54	0	0	7	3	0	0	
HARTFORD	32	20	36	15	26	-2	0.61	-0.26	0.41	2.29	78	40.91	95	80	59	0	0	7	3	0	0	
DC WASHINGTON	36	27	43	23	32	-7	1.10	0.40	0.81	2.13	91	39.72	105	87	60	0	0	7	2	1	0	
FL PANAMA CITY	57	43	74	30	50	-2	0.30	-0.78	0.30	0.98	29	48.05	75	88	60	0	0	1	1	0	0	
DAYTONA BEACH	65	50	77	38	57	-2	1.23	0.65	1.01	1.37	72	51.72	110	91	58	0	0	0	4	1	0	
JACKSONVILLE	61	45	74	31	53	-4	1.14	0.47	0.65	1.81	86	49.79	102	90	61	0	0	1	4	1	0	
KEY WEST	74	67	83	61	71	0	0.45	0.01	0.26	0.97	64	36.71	94	86	66	0	0	0	2	0	0	
MIAMI	73	61	84	51	67	-2	0.50	0.09	0.43	0.74	54	79.36	143	84	56	0	0	0	2	0	0	
ORLANDO	67	52	81	41	59	-2	0.43	-0.04	0.42	0.45	28	43.14	91	90	59	0	0	0	2	0	0	
TALLAHASSEE	59	40	76	27	50	-3	1.38	0.22	1.30	3.46	93	52.09	81	90	54	0	0	3	3	1	0	
TAMPA	68	53	81	40	60	-2	0.10	-0.40	0.07	0.12	7	53.19	123	87	50	0	0	0	3	0	0	
WEST PALM BEACH	72	57	84	45	65	-3	0.55	0.05	0.31	1.24	73	63.60	109	89	58	0	0	0	2	0	0	
GA ATLANTA	46	33	63	24	40	-4	2.02	1.03	1.02	3.17	100	52.35	106	85	52	0	0	4	3	2	2	
AUGUSTA	53	33	70	21	43	-4	2.36	1.56	1.22	4.21	173	48.02	110	88	49	0	0	4	2	2	2	
MACON	52	36	69	23	44	-4	2.03	1.02	1.14	2.33	75	40.12	92	85	49	0	0	4	2	2	2	
SAVANNAH	57	42	71	31	50	-1	0.13	-0.57	0.12	0.59	28	50.82	105	87	49	0	0	3	2	0	0	
HI HILO	84	66	87	63	75	3	0.94	-1.67	0.64	3.45	37	84.20	67	89	57	0	0	0	2	1	0	
HONOLULU	87	69	88	65	78	4	0.00	-0.88	0.00	0.14	5	12.01	57	82	52	0	0	0	0	0	0	
KAHULUI	84	65	86	60	74	2	0.02	-0.74	0.02	0.74	32	11.67	58	84	55	0	0	0	1	0	0	
LIHUE	81	69	81	64	75	2	0.00	-1.17	0.00	1.62	43	39.33	95	83	65	0	0	0	0	0	0	
ID BOISE	36	22	40	18	29	0	0.00	-0.30	0.00	1.39	139	13.27	113	90	63	0	0	7	0	0	0	
LEWISTON	37	29	42	21	33	-1	0.00	-0.28	0.00	0.79	87	16.48	135	92	73	0	0	6	0	0	0	
POCATELLO	32	15	36	10	24	0	0.00	-0.25	0.00	1.56	193	15.67	133	91	67	0	0	7	0	0	0	
IL CHICAGO	33	22	38	15	28	3	0.01	-0.53	0.01	0.47	24	32.75	93	83	60	0	0	6	1	0	0	
MOLINE	31	21	40	14	26	3	0.02	-0.47	0.02	0.29	17	34.11	89	89	67	0	0	7	1	0	0	
PEORIA	32	22	40	16	27	2	0.10	-0.44	0.09	0.24	13	33.60	94	92	68	0	0	7	2	0	0	
QUINCY	31	23	41	16	27	0	0.03	-0.48	0.03	0.19	10	32.29	82	94	68	0	0	7	1	0	0	
ROCKFORD	30	20	35	15	25	3	0.00	-0.45	0.00	0.29	18	32.93	92	88	64	0	0	7	0	0	0	
SPRINGFIELD	32	21	47	14	27	-1	1.15	0.54	0.74	1.33	63	31.48	91	94	74	0	0	6	4	1	0	
IN EVANSVILLE	38	28	49	20	33	-3	1.61	0.78	0.84	3.12	108	46.30	103	89	66	0	0	5	3	2	0	
FORT WAYNE	29	14	35	5	22	-5	0.64	-0.01	0.42	1.03	47	31.51	93	93	73	0	0	7	4	0	0	
INDIANAPOLIS	31	17	44	7	24	-5	2.34	1.60	1.42	2.56	100	35.29	90	91	73	0	0	6	4	2	0	
SOUTH BEND	31	20	37	16	26	-2	0.28	-0.46	0.15	1.12	44	41.05	107	90	63	0	0	7	4	0	0	
IA DES MOINES	31	22	37	15	26	4	0.00	-0.30	0.00	0.01	1	30.96	92	89	71	0	0	7	0	0	0	
SIOUX CITY	31	23	40	19	27	7	0.00	-0.17	0.00	0.12	20	24.12	94	90	68	0	0	7	0	0	0	
WATERLOO	30	20	38	14	25	6	0.00	-0.28	0.00	0.14	14	29.47	88	92	65	0	0	7	0	0	0	
KS CONCORDIA	30	22	38	7	26	-2	0.25	0.06	0.15	0.25	38	25.68	90	93	82	0	0	7	3	0	0	
DODGE CITY	32	19	42	9	26	-6	0.48	0.34	0.46	0.48	96	19.29	90	93	78	0	0	7	2	0	0	
GOODLAND	33	14	40	7	23	-5	0.00	-0.08	0.00	0.00	0	19.97	111	91	70	0	0	7	0	0	0	
TOPEKA	33	28	41	20	30	1	0.39	0.08	0.34	0.62	56	36.45	104	92	76	0	0	5	3	0	0	
WICHITA	33	26	45	13	29	-3	0.56	0.27	0.43	0.60	56	34.41	100	95	79	0	0	6	4	0	0	
KY BOWLING GREEN	42	29	59	22	36	-1	0.70	-0.44	0.43	2.03	53	40.15	81	88	67	0	0	5	3	0	0	
LEXINGTON	35	23	48	15	29	-5	1.38	0.48	0.84	2.32	77	49.69	114	93	75	0	0	6	5	1	0	
LOUISVILLE	36	27	46	20	32	-4	1.57	0.76	0.89	3.01	109	40.52	93	87	69	0	0	5	3	2	0	
LA BATON ROUGE	55	42	75	27	48	-4	4.46	3.19	3.17	5.06	123	73.02	123	92	68	0	0	1	2	2	0	
LAKE CHARLES	55																					

Weather Data for the Week Ending December 23, 1995

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
													90 AND ABOVE				32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	29	14	37	-14	21	8	0.24	-0.47	0.17	1.41	57	34.12	95	87	65	0	7	3	0
PORTLAND	32	19	41	9	26	1	1.34	0.34	0.83	4.02	114	39.96	92	88	63	0	7	3	0
MD BALTIMORE	35	25	42	19	30	-5	1.35	0.58	1.15	2.59	102	36.40	91	87	59	0	7	3	0
SALISBURY	37	26	43	23	32	-6	0.97	0.12	0.63	2.46	91	31.34	71	83	55	0	7	3	0
MA BOSTON	35	25	42	19	30	-2	1.23	0.34	0.62	4.08	135	35.91	89	76	58	0	7	3	0
CHATHAM	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MI ALPHEA	25	15	30	3	20	-2	0.16	-0.29	0.11	1.13	73	24.28	86	89	74	0	7	3	0
DETROIT	29	19	36	13	24	-3	0.02	-0.61	0.02	0.63	29	27.26	85	87	61	0	7	3	0
FLINT	29	17	36	6	23	-3	0.12	-0.34	0.10	0.59	36	23.87	80	88	68	0	7	3	0
GRAND RAPIDS	29	19	33	10	24	-2	0.05	-0.57	0.05	0.87	40	34.61	98	90	68	0	7	3	0
Houghton Lake	27	11	34	-6	19	-2	0.19	-0.24	0.08	1.36	91	30.87	111	91	68	0	7	3	0
LANSING	29	16	37	5	23	-2	0.23	-0.21	0.18	1.55	98	25.60	83	90	67	0	7	3	0
MARQUETTE	31	17	59	10	24	8	0.41	-0.17	0.20	1.92	98	38.39	111	92	73	0	7	3	0
MUSKEGON	29	19	32	10	24	-3	0.09	-0.59	0.06	1.50	65	29.17	92	90	66	0	7	3	0
SAULT ST. MARIE	21	8	26	-6	14	-3	0.11	-0.52	0.10	5.94	271	45.58	136	86	68	0	7	3	0
MN ALEXANDRIA	23	13	26	6	18	7	0.00	-0.15	0.00	0.72	141	27.24	107	96	80	0	7	3	0
DULUTH	25	13	29	0	19	8	0.08	-0.20	0.07	1.41	150	34.19	115	89	73	0	7	3	0
INT'L FALLS	22	9	30	-8	15	10	0.10	-0.09	0.04	1.17	186	24.31	101	89	71	0	7	3	0
MINNEAPOLIS	28	17	34	10	23	6	0.02	-0.21	0.02	1.08	132	25.65	91	89	66	0	7	3	0
ROCHESTER	25	16	31	5	21	5	0.00	-0.22	0.00	0.54	68	26.35	90	93	76	0	7	3	0
MS GREENWOOD	51	38	67	27	45	-1	2.95	1.62	1.61	3.95	90	38.85	73	94	64	0	4	2	2
JACKSON	51	39	68	23	45	-1	2.21	0.78	2.20	3.83	83	57.39	107	87	65	0	3	2	2
MERIDIAN	52	38	69	22	45	-2	1.33	-0.08	0.79	2.92	65	50.23	91	95	62	0	4	2	2
MO CAPE GIRARDEAU	38	31	48	25	34	-1	2.07	1.08	0.97	3.65	108	39.41	87	93	70	0	5	3	3
COLUMBIA	33	26	42	18	29	0	1.32	0.75	0.89	1.59	77	48.09	126	92	73	0	5	3	3
KANSAS CITY	32	27	40	21	30	1	0.18	-0.17	0.11	0.32	26	34.46	93	91	78	0	6	3	0
SAINT LOUIS	34	26	48	18	30	-3	2.53	1.86	1.11	2.75	117	41.61	113	89	72	0	5	4	2
SPRINGFIELD	33	28	45	23	31	-3	1.93	1.36	1.33	2.33	109	41.59	97	95	78	0	5	4	1
MT BILLINGS	33	17	38	11	25	1	0.00	-0.18	0.00	0.26	46	15.73	105	93	65	0	7	0	0
GLASGOW	21	8	26	0	14	1	0.02	-0.06	0.02	0.38	141	13.14	121	97	81	0	7	1	0
GREAT FALLS	39	16	43	11	28	5	0.00	-0.19	0.00	0.06	10	14.19	95	81	37	0	7	0	0
HAVRE	26	4	39	-9	15	-1	0.00	-0.13	0.00	0.23	61	16.05	146	91	79	0	7	0	0
HELENA	31	9	37	3	20	0	0.00	-0.14	0.00	0.27	63	11.50	101	89	69	0	7	0	0
KALISPELL	32	23	35	18	28	6	0.00	-0.40	0.00	1.46	115	20.67	129	87	75	0	7	0	0
MILES CITY	28	14	35	7	21	4	0.11	-0.03	0.11	0.15	33	12.30	89	96	76	0	7	1	0
MISSOULA	31	20	38	16	26	3	0.00	-0.28	0.00	1.39	165	16.00	122	90	76	0	7	0	0
NE GRAND ISLAND	28	18	34	7	23	-1	0.16	0.01	0.09	0.24	43	23.90	96	91	79	0	7	2	0
LINCOLN	31	24	39	17	28	4	0.06	-0.13	0.02	0.18	26	23.57	84	91	74	0	7	3	0
NORFOLK	29	21	39	15	25	4	0.15	-0.02	0.08	0.40	69	33.30	133	91	72	0	7	3	0
NORTH PLATTE	32	17	43	13	25	1	0.02	-0.09	0.01	0.02	5	17.34	90	92	73	0	7	2	0
OMAHA	30	26	38	21	28	5	...	...	...	0.51	66	27.82	94	92	72	0	6	-	-
SCOTTSBLOFF	30	11	40	-1	21	-4	0.07	-0.06	0.04	0.49	109	17.11	113	93	60	0	7	2	0
VALENTINE	29	18	38	15	23	-1	0.00	-0.11	0.00	0.01	2	21.94	98	88	65	0	7	0	0
NV RLY	28	-3	37	-12	13	-12	0.00	-0.17	0.00	0.33	61	11.07	110	89	67	0	7	0	0
LAS VEGAS	52	34	57	26	43	-2	0.00	-0.08	0.00	0.01	4	3.67	92	59	27	0	4	0	0
RENO	39	18	43	12	29	-3	0.11	-0.11	0.11	2.23	310	12.43	172	93	49	0	7	1	0
WINNEVOCCA	38	7	39	1	23	-6	0.00	-0.19	0.00	0.57	85	8.79	109	91	49	0	7	0	0
NH CONCORD	31	18	38	7	24	2	0.29	-0.41	0.16	1.80	74	38.35	108	88	61	0	7	3	0
NJ ATLANTIC CITY	36	22	43	18	29	-6	0.35	-0.39	0.35	1.50	61	35.67	90	86	62	0	7	1	0
NM ALBUQUERQUE	42	27	45	23	34	0	0.05	-0.06	0.03	0.09	25	5.57	64	88	44	0	6	2	0
CLOVIS	37	26	42	21	32	-6	0.20	0.09	0.20	0.20	48	10.11	58	78	53	0	6	1	0
ROSWELL	41	28	45	22	35	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
NY ALBANY	25	18	34	11	22	-3	0.18	-0.47	0.10	1.40	63	32.84	92	85	67	0	7	3	0
SINGAPOW	22	16	27	8	19	-6	0.05	-0.62	0.04	0.93	41	32.33	89	90	74	0	7	2	0
BUFFALO	25	19	29	11	22	-6	0.12	-0.69	0.08	2.03	72	33.17	88	87	73	0	7	2	0
NEW YORK	35	28	41	21	32	-4	1.03	0.28	0.61	2.10	82	34.95	85	77	53	0	5	2	1
ROCHESTER	25	20	29	13	23	-5	0.57	-0.03	0.31	1.38	66	29.93	95	92	73	0	7	5	0
SYRACUSE	25	17	31	8	21	-6	0.54	-0.16	0.30	1.70	69	31.35	82	89	74	0	7	4	0
NC ASHEVILLE	41	27	58	20	34	-5	0.57	-0.43	0.35	1.45	44	55.41	101	87	50	0	5	2	0
CHARLOTTE	44	30	57	22	37	-4	0.34	-0.46	0.19	1.10	43	48.07	114	85	46	0	4	2	0
GREENSBORO	40	26	47	17	33	-7	0.42	-0.35	0.25	1.31	53	41.33	99	87	53	0	5	2	0
HATTERAS	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NEW BERN	48	30	60	24	39	-7	0.53	-0.32	0.47	1.25	47	30.83	58	87	51	0	6	2	0
RALEIGH	42	26	48	21	34	-8	0.42	-0.32	0.21	1.69	71	48.46	119	89	51	0	6	2	0
WILMINGTON	50	32	69	25	41	-5	1.17	0.22	1.13	2.05	70	65.07	117	90	44	0	5	2	1
ND BISMARCK	22	10	28	4	16	4	0.07	-0.04	0.07	0.39	108	18.70	122	92	75	0	7	1	0
FARGO	20	9	28	3	15	5	0.00	-0.14	0.00	0.49	109	21.32	111	91	81	0	7	0	0
GRAND FORKS	18	9	26	4	13	5	0.07	-0.07	0.07	0.77	171	26.12	144	88	74	0	7	1	0
WILLISTON	21	4	29	-12	13	1	0.08	-0.06	0.06	0.64	149	14.93	110	91	81	0	7	3	0
OH AKRON-CANTON	37	15	35	5	21	-8	0.39	-0.26	0.20	0.79	35	34.46	95	92	74	0	7	3	0
CINCINNATI	32	20	39	10	26	-6	2.21	1.51	1.23	3.17	132	43.35	107	92	73	0	6	3	2
CLEVELAND	29	18	36	8	23	-6	0.60	-0.09	0.45	1.18	50	39.12	109	95	74	0	7	4	0
COLUMBUS	31	19	40	12	25	-3	1.07	0.41	0.67	1.62	70	44.98	121	84	64	0	6	5	1
DAYTON	29	16	38	7	23	-8	0.90	0.25	0.74	1.00	45	49.73	138	95	78	0	7	2	1

Based on 1961-90 normals.

Weather Data for the Week Ending December 23, 1995

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	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	30	18	36	11	24	-3	0.06	-0.59	0.04	0.59	26	31.44	97	91	71	0	7	2	0		
YOUNGSTOWN	27	17	36	10	22	-6	1.03	0.38	0.86	1.36	61	29.72	81	91	74	0	7	5	1		
OK OKLAHOMA CITY	37	30	49	21	34	-5	2.02	1.72	1.09	2.19	203	32.99	100	94	81	0	6	3	2		
TULSA	38	32	51	23	35	-3	1.45	0.99	0.78	1.66	98	42.47	106	90	74	0	4	2	2		
OR ASTORIA	50	40	52	36	45	3	1.29	-1.09	0.80	9.13	116	73.96	116	91	68	0	0	4	1		
BURNS	33	17	36	8	25	1	0.00	-0.25	0.00	1.83	206	12.61	130	93	65	0	7	0	0		
MEDFORD	49	30	54	24	40	3	0.02	-0.72	0.02	6.34	254	22.20	123	93	58	0	6	0	0		
FREDSTON	34	30	38	25	32	-2	0.00	-0.36	0.00	1.19	98	16.58	142	96	76	0	5	0	0		
PORTLAND	46	38	49	35	42	2	0.13	-1.26	0.09	4.98	109	42.47	122	82	64	0	0	3	0		
SALEM	46	35	49	25	41	1	0.66	-0.87	0.29	5.77	113	46.94	125	99	77	0	2	4	0		
PA ALLENTOWN	31	20	35	13	26	-5	0.30	-0.47	0.22	1.46	56	37.31	87	81	58	0	7	2	0		
ERIE	29	21	33	15	25	-5	0.38	-0.41	0.15	2.08	75	34.24	84	90	68	0	7	5	0		
HARRISBURG	32	25	37	20	29	-4	1.13	0.41	1.04	2.52	103	35.18	89	76	54	0	7	3	1		
PHILADELPHIA	34	23	41	17	28	-5	0.78	-0.03	0.76	2.14	78	31.54	70	87	61	0	7	3	1		
PITTSBURGH	30	19	42	7	24	-6	0.88	0.22	0.68	1.38	64	28.72	80	84	64	0	7	6	1		
SCRAPTON	27	20	31	12	24	-5	0.81	0.26	0.67	1.12	58	29.35	82	81	62	0	7	3	1		
RI PROVIDENCE	34	22	39	15	28	-3	0.08	-0.90	0.04	2.17	66	38.22	86	81	56	0	7	2	0		
SC CHARLESTON	56	36	68	26	46	-4	0.49	-0.24	0.42	0.86	38	49.47	98	84	47	0	4	2	0		
COLUMBIA	51	30	69	21	41	-5	0.94	0.10	0.84	1.87	73	54.70	112	88	46	0	4	2	1		
FLORENCE	53	30	69	22	41	-5	0.53	-0.20	0.40	1.45	64	46.39	108	90	43	0	5	2	0		
GREENVILLE	45	30	56	21	38	-5	0.84	-0.10	0.54	1.91	63	59.91	119	88	48	0	4	2	1		
SD ABERDEEN	22	13	32	8	18	4	0.00	-0.11	0.00	0.19	50	23.54	112	91	81	0	7	0	0		
HURON	26	17	34	14	21	5	0.04	-0.07	0.04	0.22	61	29.85	150	90	78	0	7	1	0		
RAPID CITY	27	12	35	3	19	-4	0.05	-0.06	0.04	0.13	36	19.54	118	95	77	0	7	3	0		
SIoux FALLS	29	21	37	15	25	8	0.01	-0.14	0.01	0.10	18	30.42	128	93	69	0	7	1	0		
TN CHATTANOOGA	45	34	59	23	39	-1	1.22	0.03	1.07	2.68	70	55.09	106	82	52	0	4	3	1		
KNOXVILLE	41	30	58	20	36	-4	0.69	-0.36	0.40	1.94	58	42.42	92	84	60	0	4	3	0		
MEMPHIS	46	36	62	26	41	-2	1.34	0.07	1.07	2.39	55	53.02	104	87	62	0	4	3	1		
NASHVILLE	42	31	60	22	37	-2	1.11	0.07	0.57	1.87	54	48.51	105	90	64	0	5	4	1		
TX ABILENE	36	22	51	22	37	-7	0.22	-0.00	0.21	0.23	30	23.14	96	90	71	0	4	2	0		
AMARILLO	53	42	63	15	29	-7	0.37	0.29	0.37	0.37	119	17.96	93	95	74	0	7	1	0		
AUSTIN	53	42	68	35	48	-3	0.27	-0.14	0.19	0.42	29	33.63	107	86	63	0	0	2	0		
BEADWELL	53	43	72	32	48	-5	0.92	7.85	4.56	8.94	253	59.56	107	91	66	0	1	4	2		
BROWNVILLE	64	52	83	44	58	-3	0.39	0.11	0.31	0.68	88	29.42	112	91	61	0	0	2	0		
CORPUS CHRISTI	60	47	82	40	53	-4	0.32	0.04	0.31	0.38	42	36.75	123	91	62	0	0	2	0		
DEL RIO	57	42	77	34	49	-2	0.69	0.44	0.23	0.73	90	15.48	63	75	46	0	0	4	0		
EL PASO	48	31	53	23	39	-4	0.13	-0.01	0.10	0.21	48	8.06	92	88	46	0	6	2	0		
FORT WORTH	44	36	54	26	40	-4	1.64	1.17	1.10	1.94	122	35.31	96	87	71	0	1	2	2		
GALVESTON	55	46	73	41	51	-5	5.53	4.73	5.01	5.37	112	39.06	94	84	62	0	0	3	1		
HOUSTON	56	43	73	32	50	-2	4.21	3.15	2.21	4.56	124	44.18	83	86	63	0	1	4	2		
LURBOCK	41	29	46	24	35	-5	0.45	0.34	0.45	0.45	110	18.91	102	91	67	0	5	1	0		
MIDLAND	44	31	51	26	38	-7	0.27	0.16	0.22	0.27	75	10.95	73	88	64	0	5	3	0		
SAN ANGELO	47	33	56	24	40	-5	0.19	0.02	0.11	0.19	32	21.16	104	94	64	0	4	3	0		
SAN ANTONIO	56	40	76	30	48	-3	0.36	0.05	0.16	0.55	48	22.17	72	88	55	0	1	3	0		
VICTORIA	58	43	78	33	50	-4	1.76	1.10	0.94	1.97	90	32.47	73	96	63	0	0	4	2		
WACO	49	37	61	27	43	-4	0.68	0.27	0.48	0.96	68	36.29	115	88	66	0	2	2	0		
WICHTA FALLS	42	30	51	21	36	-6	0.63	0.27	0.62	0.75	64	26.40	84	91	69	0	6	2	1		
UT CEDAR CITY	37	19	43	9	28	-2	0.00	-0.15	0.00	0.28	52	11.84	105	92	65	0	7	1	0		
SALT LAKE CITY	38	21	43	17	30	1	0.03	-0.29	0.03	0.56	52	16.33	103	92	65	0	7	1	0		
VT BURLINGTON	24	14	31	0	19	-2	0.82	0.30	0.28	2.15	115	31.77	94	90	74	0	7	6	0		
VA NORFOLK	41	30	44	27	36	-7	0.67	-0.08	0.60	1.83	79	35.78	82	79	51	0	6	3	1		
RICHMOND	39	24	43	20	32	-7	0.61	-0.13	0.40	1.50	62	34.20	81	87	51	0	7	2	0		
ROANOKE	38	27	49	21	32	-5	1.19	0.53	0.60	2.28	102	40.41	100	80	55	0	5	2	2		
WA QUILLAYUTE	49	40	50	29	44	4	1.42	-2.07	0.66	10.47	91	101.02	100	98	85	0	2	4	2		
SEATTLE-TACOMA	50	40	52	32	45	5	0.73	-0.59	0.54	5.20	117	41.42	116	76	56	0	1	3	1		
SPOKANE	35	26	37	18	31	3	0.00	-0.55	0.00	0.28	120	21.57	106	93	81	0	7	0	0		
YAKIMA	37	28	42	20	32	3	0.02	-0.31	0.02	0.72	69	8.11	106	96	80	0	6	1	0		
WV BECKLEY	35	22	53	16	28	-5	1.38	0.64	0.67	2.17	90	40.72	101	92	66	0	6	5	2		
CHARLESTON	37	25	48	21	31	-5	0.96	0.21	0.62	1.96	77	44.73	107	91	69	0	6	3	1		
HUNTINGTON	35	26	44	19	30	-4	1.68	0.89	1.09	2.54	95	41.86	98	90	68	0	6	5	1		
PARKERSBURG	33	22	41	14	28	-6	1.14	0.48	0.62	1.81	85	41.86	98	92	63	0	6	4	1		
WI GREEN BAY	29	17	33	9	23	4	0.04	-0.29	0.02	1.08	91	30.28	106	86	67	0	7	2	0		
LACROSSE	28	18	33	13	23	5	0.19	-0.09	0.15	0.65	66	30.08	99	89	66	0	7	1	0		
MADISON	29	16	34	9	23	2	0.01	-0.34	0.01	0.59	46	33.43	105	89	64	0	7	1	0		
MILWAUKEE	30	22	36	18	26	3	0.00	-0.52	0.00	0.44	25	30.52	94	84	67	0	7	0	0		
WAUSAU	28	17	31	8	22	6	0.00	-0.31	0.00	0.89	79	33.78	104	85	58	0	7	0	0		
WY CASPER	30	5	33	-6	18	-5	0.16	0.02	0.09	0.21	42	18.82	153	92	65	0	7	2	0		
CHEYENNE	29	11	37	1	20	-7	0.00	-0.08	0.00	0.00	0	19.81	139	92	63	0	7	0	0		
LANDER	29	10	31	2	20	0	0.09	-0.04	0.09	0.20	23	19.40	150	91	64	0	7	1	0		
SHERIDAN	31	8	38	-2	20	-2	0.12	-0.05	0.12	0.21	39	17.23	120	92	68	0	7	1	0		
PR SAN JUAN	86	73	90	72	80	2	1.97	0.96	0.99	3.77	103	55.56	108	92	67	2	0	4	2		

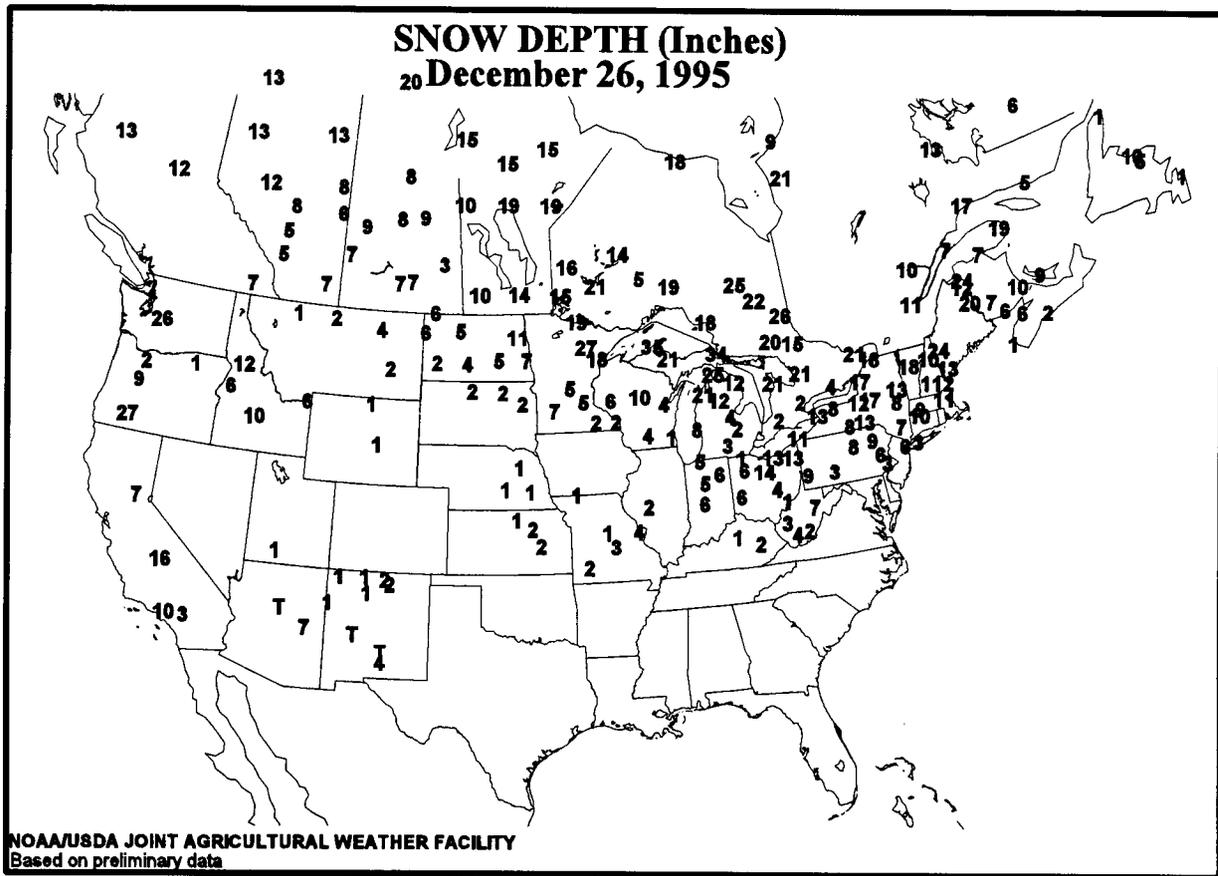
Based on 1961-90 normals.

National Agricultural Summary

HIGHLIGHTS for December 18 - 24, 1995

Heavy snow from an early-week winter storm fell from the Texas plains to Pennsylvania, bringing much-needed moisture to small grain fields. Rain in the southern Great Plains provided some relief to wheat fields that were not already damaged from the extended dry weather. In Florida, brief durations of below-freezing temperatures did negligible damage to citrus trees. Low-volume irrigation continued in citrus groves where leaf curl and wilt were evident. Harvest of oranges for processing was active throughout Florida's citrus region. Freezing weather burned some

of Florida's vegetable crops' leaves, but the extent of the damage had not been determined. In the southern Great Plains and the Delta States, minor insect problems in small grains were reported in some early wheat fields. Wheat in the Midwest was in mostly good condition before the snow arrived. A dry week was welcomed in the Pacific Northwest where some standing water from last week's storm remained in low-land fields. Light rainfall limited fieldwork in northern California, while farther south, citrus growers continued to pick fruit.



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International Weather and Crop Summary

December 17 - 23, 1995

HIGHLIGHTS

FSU-WESTERN: A warming trend followed a brief episode of bitter cold, improving overwintering conditions for winter grains.

NORTHWESTERN AFRICA: Light showers continued over winter grain areas in Morocco, Algeria, and Tunisia.

EUROPE: Widespread precipitation was accompanied by a warming trend that spread eastward.

SOUTH ASIA: Seasonable dryness favored winter crop planting and summer crop maturation and harvesting.

SOUTH AFRICA: Rain continued across the corn belt, with a few areas in the east becoming too wet for proper establishment.

AUSTRALIA: Moderate rain returned late in the week to Queensland's eastern summer crop areas as patchy showers cooled western pastures.

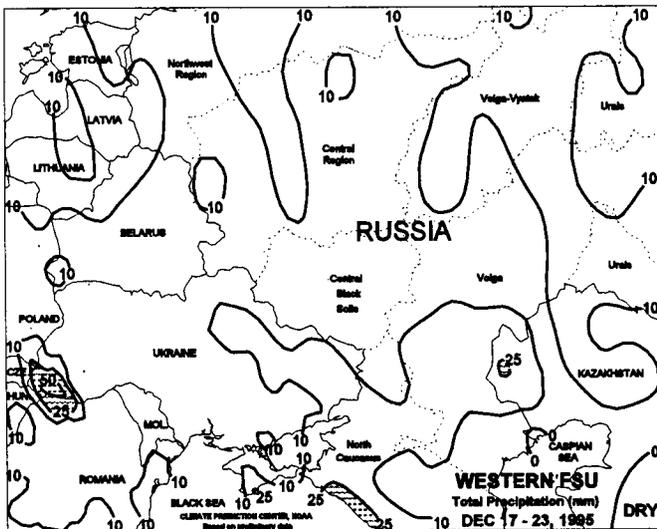
SOUTHEAST ASIA: Inundating rain persisted in Philippine copra areas, while more beneficial rain aided Vietnamese rice.

EASTERN ASIA: Winter wheat continued to harden in the North China Plain.

SOUTH AMERICA: Rain in summer crop areas of Argentina and Brazil brought some relief from the recent heat and dryness.

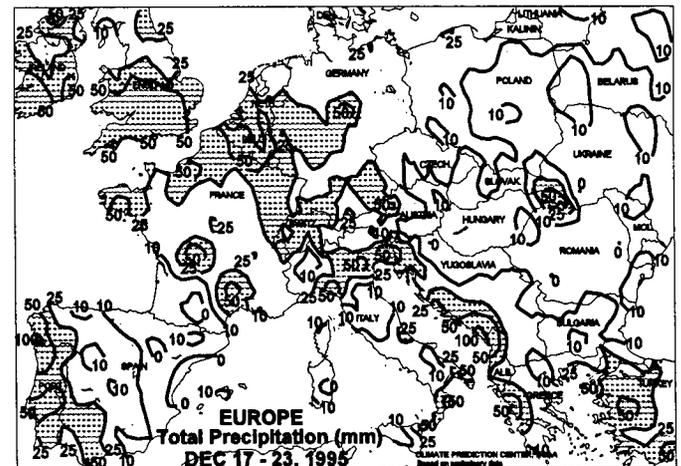
FSU-WESTERN

Bitter cold was accompanied by light snow early in the week over winter grain areas in Russia and Ukraine. Minimum temperatures ranging from -15 to -21 degrees Celsius (C) briefly covered Ukraine and Russia on December 17. The combination of a protective snow cover and the short duration of extreme cold reduced the threat of significant winterkill. In addition, a gradual warming trend began over these areas on December 18 and continued during the remainder of the week, improving conditions for overwintering crops. However, maximum temperatures by week's end rose to above freezing over the southern Ukraine and North Caucasus, Russia, melting protective snow cover.



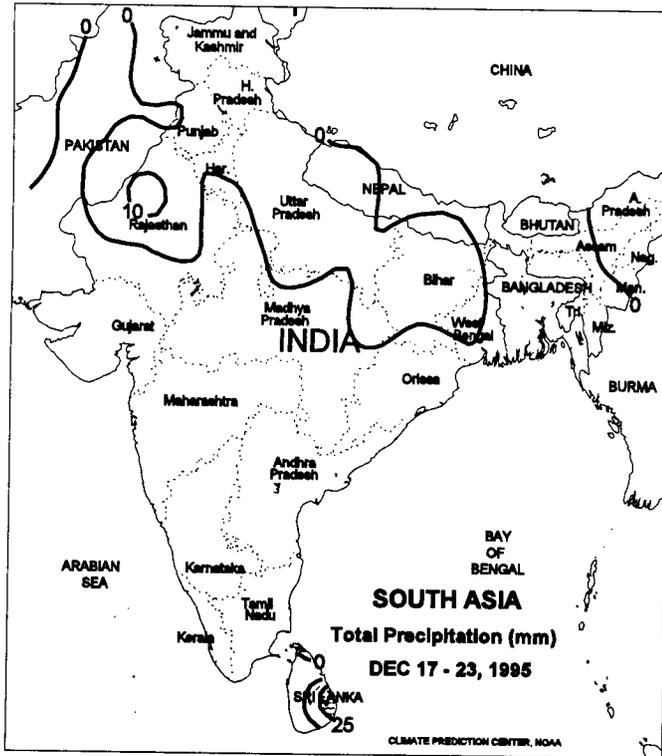
EUROPE

Widespread precipitation was accompanied by a warming trend that spread eastward over Europe during the week. Light to moderate rain (10-50 mm, with local amounts in excess of 50 mm) fell over England, northern France, southern Spain, southern Italy, and Greece, increasing moisture reserves and favoring winter grains. Elsewhere, snow fell from Germany eastward to Poland and southward into Romania, while rain and snow covered eastern former Yugoslavia and northern Bulgaria. Greatest amounts of moisture (10-25 mm) covered Germany, former Yugoslavia, and Bulgaria, with lesser amounts of precipitation (3-10 mm) falling over the Czech Republic, Hungary, and Romania. Weekly average temperatures were 2 to 5 degrees C above normal in western and southern Europe and 1 to 4 degrees C below normal over northeastern Europe. Winter grains remained dormant in northern and eastern Europe.



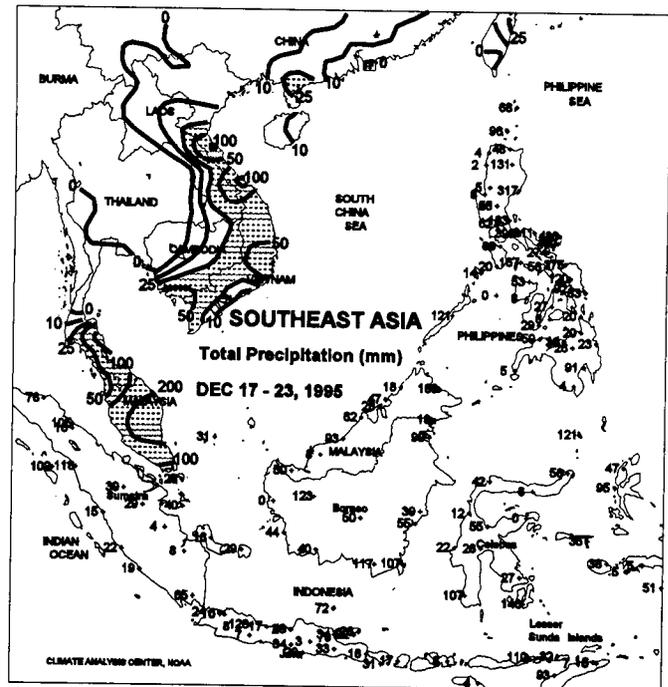
SOUTH ASIA

Dry, generally warm weather dominated the region, aiding summer grain, oilseed, and cotton maturation and harvesting. Across northern crop areas (Pakistan to eastern India), winter grain and oilseed planting was likely winding down. Although mostly irrigated, the main winter crop belt expects some rainfall during the growing season (December through March), which will aid the rainfed portion of the crop and augment irrigation. This is the final weekly summary of the season. Monthly summaries will continue until next summer's commencement of the monsoon season, when weekly coverage will resume.



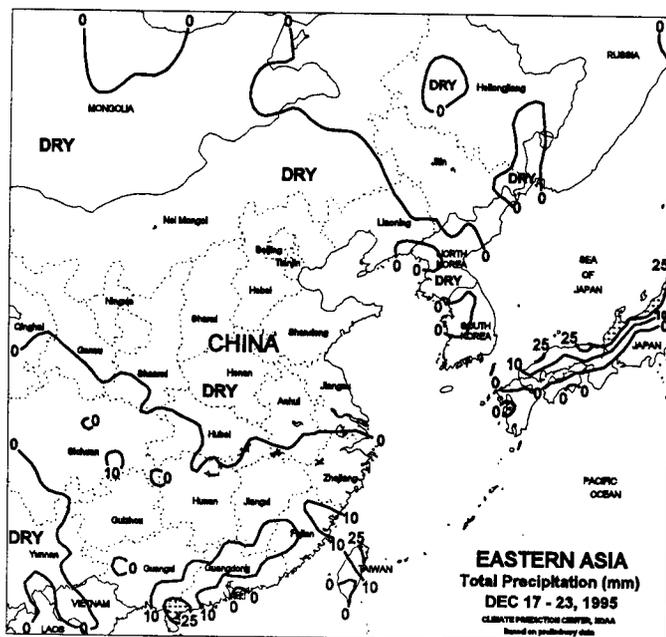
SOUTHEAST ASIA

Inundating rain (100-300 mm or more) persisted over southern Luzon and the eastern Visayans in the Philippines, worsening flooding in copra and rice areas. Elsewhere in the Philippines, more moderate rain (10-50 mm or more) benefited secondary crops. In Vietnam, moderate to heavy showers (25-50 mm or more) in the main central and southern rice areas boosted moisture reserves for winter-spring rice. Seasonable dryness elsewhere in Indochina favored rice and sugarcane harvesting. Farther south, inundating rain (100-200 mm or more) returned to previously flooded oil palm and rice areas of the Malay Peninsula. Moderate to heavy rain (25-50 mm or more) continued across Java's main rice areas.



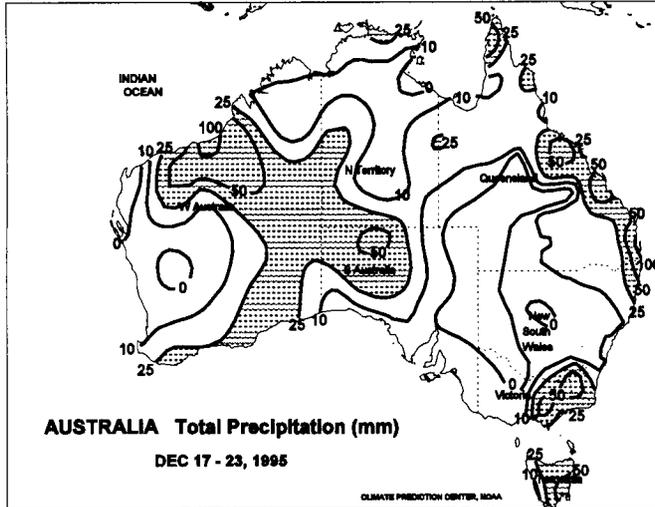
EASTERN ASIA

Seasonably dry weather prevailed across the region north of the Yangtze River. In the North China Plain, temperatures were somewhat above normal, but still sufficiently cool for hardening winter wheat. Light rain (5-15 mm) fell in southern China.



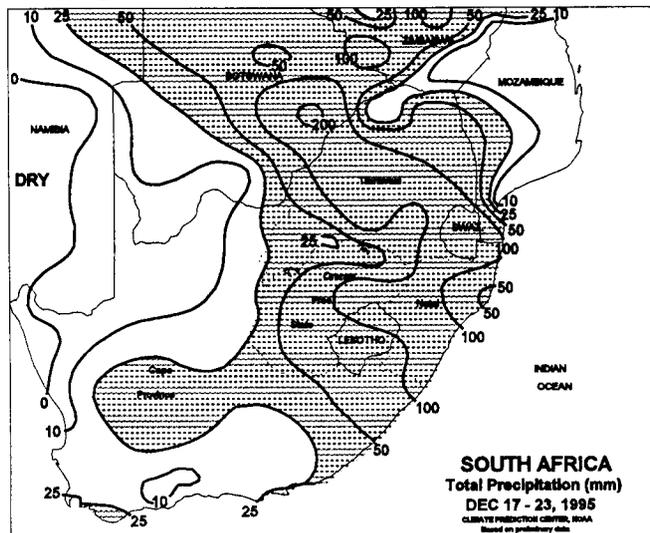
AUSTRALIA

Late-week showers (15-55 mm) fell in summer crop areas of southern Queensland, ending a 10-day dry spell that favored cotton and sorghum establishment. Rainfall was lighter (25 mm or less) in western summer crop areas, with scattered, mostly light showers covering the main pasture areas of Queensland and New South Wales. The rain, partly from the remnants of Cyclone Gertie, brought maximum temperatures down to more seasonable levels (highs in the low to mid 30's degrees C), abating heat stress on livestock. Elsewhere, mostly light, scattered rain fell throughout the western and southern winter grain belts as harvesting neared completion. In New Zealand, heavy rain (50-104 mm) fell in the main pasture lands of North Island and along the west coast of South Island. Only light rain was reported in east-coastal regions of South Island.



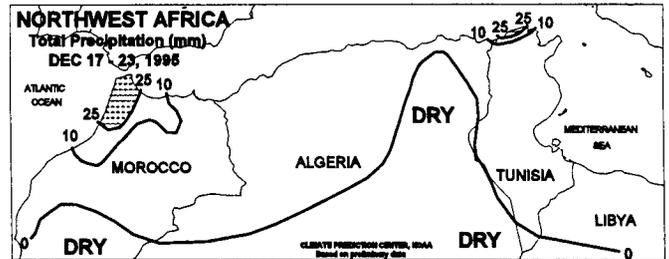
SOUTH AFRICA

Widespread, moderate to heavy rain (25-50 mm, exceeding 100 mm locally) continued across the corn belt. Although excessive rain and local flooding is a problem in parts of the east, moisture reserves are generally favorable for corn emergence and establishment across the country. Drier weather over the next few weeks would improve conditions for corn establishment, especially in water-logged areas surrounding Johannesburg. Corn planting, usually completed by early January, may be delayed by the wetness in some areas. Elsewhere, moderate to heavy rain (25-100 mm or more) fell in coastal crop areas. In rainfed sugarcane areas of southern Kwazulu-Natal, inundating rain (100-131 mm) may have caused localized flooding and damage.



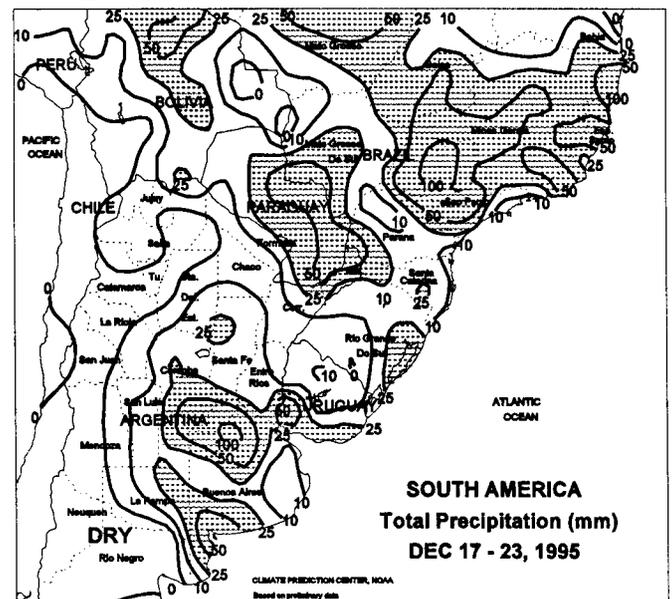
NORTHWESTERN AFRICA

Light showers (around 10 mm) continued over winter grain areas in Morocco, Algeria, and Tunisia, favoring crop emergence and early establishment. Subsoil moisture is limited throughout the region, and timely rain will be needed during the remainder of the growing season to ensure favorable crop prospects. Weekly average temperatures were 3 to 5 degrees C above normal over Morocco, Algeria, and Tunisia, promoting rapid crop development but increasing crop moisture demands.



SOUTH AMERICA

Beneficial rain fell throughout primary summer crop areas of central Argentina and southern Brazil, bringing some relief from the recent hot, dry weather. In Argentina, rainfall totaled 25 to 104 mm in primary corn areas (Buenos Aires, Santa Fe, and Cordoba), and late-week temperatures cooled substantially from early-week highs of 38 to 40 degrees C. Rainfall was lighter (5-25 mm) in Argentina's northern crop areas, including the cotton belt, bringing some relief from the early-week heat wave. In Brazil, moderate to heavy showers (25-50 mm or more) were scattered throughout summer crop areas from about Parana northward. In southern soybean areas (Santa Catarina and Rio Grande do Sul), where dryness has limited planting, rainfall was light (1-15 mm) for the period ending December 23. However, preliminary reports show that an additional 10 to 50 mm fell from the 24th to 26th, improving topsoil moisture for germination. More information will be provided in next week's summary. Followup rain is critical for proper early development in this area, which typically receives about 25 mm per week this time of year.



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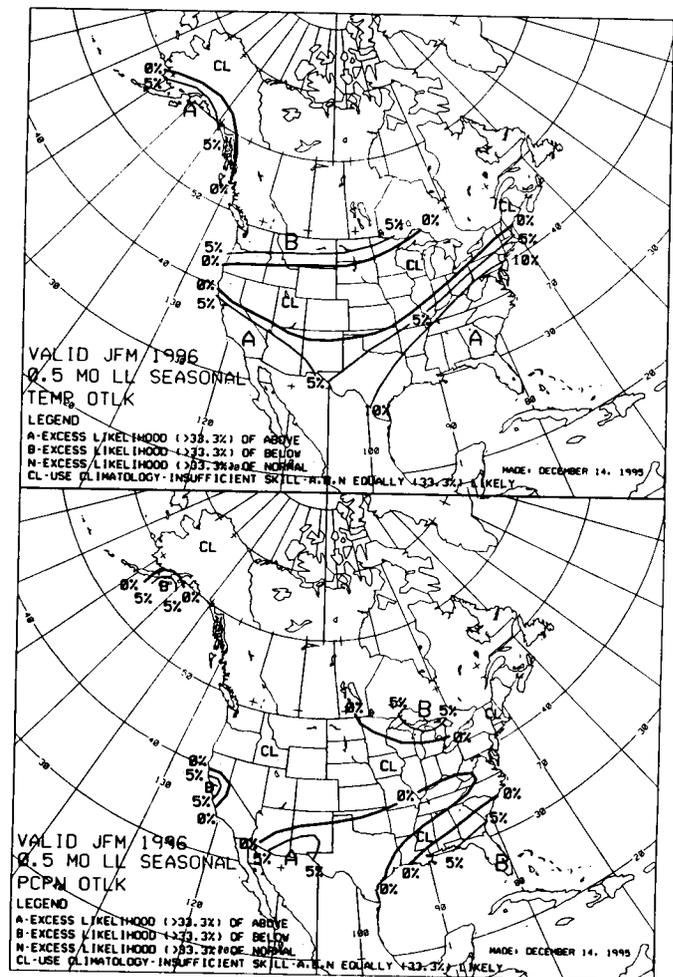
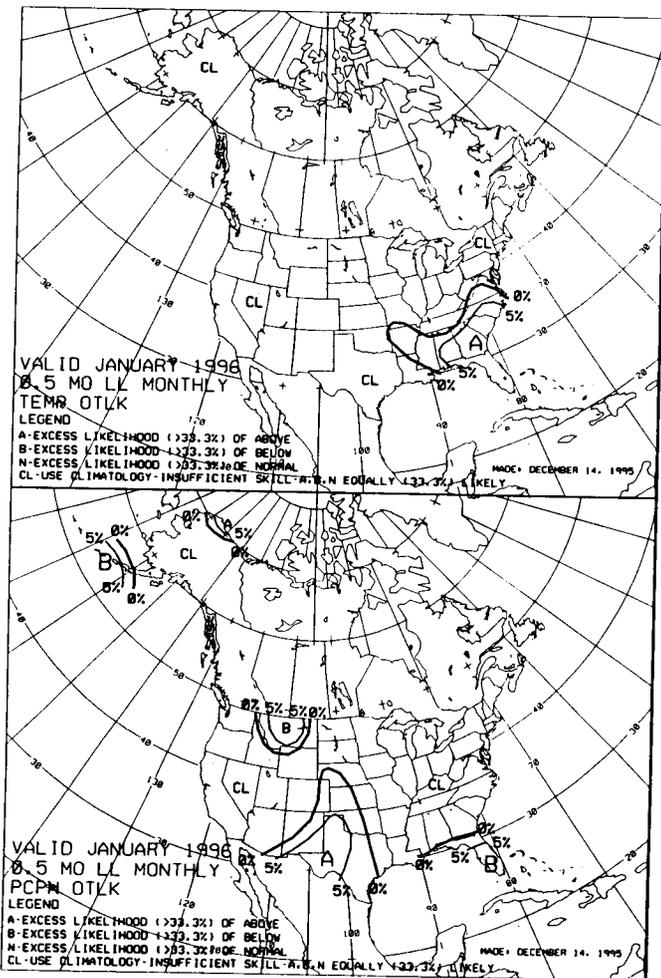
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