

The Oklahoma Climatological Survey was established with its own budget and offices in the spring of 1980. The mission of the Survey is to provide a climatological archiving and information service to the State of Oklahoma. Although as many as 160 stations may appear in any one summary, it may not be possible to list every station report received at the Survey as we plan to have the summaries in the mail before the middle of each month. If you would like information about a station that does appear, please feel free to contact the Climate Survey. If you would like to know more about the services we offer or our plans for the future, please let us hear from you. You can help us by contributing to our newspaper clipping file. If you see an article in your local newspaper dealing with some impact of climate on your community, please clip it and send it to us along with the name of the newspaper and the date the article appeared.

#### OKLAHOMA CLIMATE SUMMARY FEBRUARY 1987

February was generally warm and wet. Mean temperatures ranged from 2.6 degrees above normal in south central Oklahoma to 4.4 degrees in climate divisions 3 and 6. This warmer weather reduced heating degree days and, consequently, heating gas demands. According to an ONG official, as a result of the warmer weather over 600,000 million cubic feet of heating gas were saved when compared to February 1986 weather and consumption rates. This saved Oklahomans an estimated \$25 million in heating cost. Precipitation amounts were even more noticeably above normal. Many stations experienced rainfall amounts greater than any February in the past 30 years (see Table 1).

The wet conditions which persisted into February continued to trouble farmers. This led to the use of an antiquated activity in southwest Oklahoma when a Davidson farmer, whose fields of ripened cotton were too wet to support conventional harvesting machinery, solicited people to hand pick the crop. The wet weather also delayed the planting of oats and barley. Wheat, however, experienced a surge in growth due to the ample moisture and above normal temperatures.

On the 12th the upper atmosphere flow began changing and the jet stream split into two separate parts. The southern jet moved over the southern plains, serving as the storm track in that area. On the 14th a strong storm moved along this path over Oklahoma. Central and southwestern parts of the State experienced hail and damaging winds. A tornado caused over \$1 million damage in the Lawton area as it flipped trailer homes and leveled several houses in Medicine Park. Observers in Cache reported golfball-size hail, and pea-size hail fell near Mustang.

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As the storm exited the eastern part of the State, cold northerly air behind it began blowing into Oklahoma, lowering temperatures significantly. During the first two weeks of the month (before the storm), the State averaged 6 to 9 degrees above normal. After the storm, however, the colder air lowered third week averages to 7 to 9 degrees below normal Statewide. Even more dramatically, daily high temperatures at many stations fell over 25 degrees in a 2 day period (see Table 2).

Snow accompanied the cold air into Oklahoma. Accumulations on the 16th included Payne 4.5 inches, Miami 2.0 inches, Tulsa 4.0 inches, Enid 1.5 inches, Rogers City 3.0 inches, and McAlester 1.0 inch.

Near-normal temperatures returned during the last week of the month. Precipitation, however, was much above normal as a strong upper level low entered Oklahoma, and its associated surface fronts remained in the area for several days. Many stations across the State reported precipitation on at least 4 of February's last 6 days. The greatest rains fell on the 27th as the front finally moved across the State. Rainfall reports included Muskogee 1.61 inches, Newkirk 1.47 inches, Hugo 1.10 inches, Jay Tower 1.75 inches, and Blanchard .92 inches.

Table 1: Record-Breaking February Precipitation Amounts at Selected Oklahoma Stations.

Station	Climate Division	February Precipitation		
		1987	Previous 30-Year Record	Year
Newkirk	2	4.67	2.73	1978
Bartlesville	3	4.86	2.67	1977
Okeene	4	4.08	2.58	1975
Stillwater	5	5.38	3.01	1983
Muskogee	6	4.38	4.19	1975
Anadarko	7	4.73	3.08	1975
Ada	8	5.68	4.25	1975
Idabel	9	5.06	4.36	1984

Table 2: Dramatic 2-Day Drops in High Temperatures for Selected Oklahoma Sites.

Station	Climate Division	Date	High Temperature
Arnett	1	14	69
		16	35
Mutual	2	14	69
		16	41
Bixby	3	15	62
		17	34
Weatherford	4	14	71
		16	42
Oklahoma City	5	14	63
		16	33
McAlester	6	14	62
		16	31
Anadarko	7	14	65
		16	38
Waurika	8	14	75
		16	44
Wilburton	9	15	62
		17	30

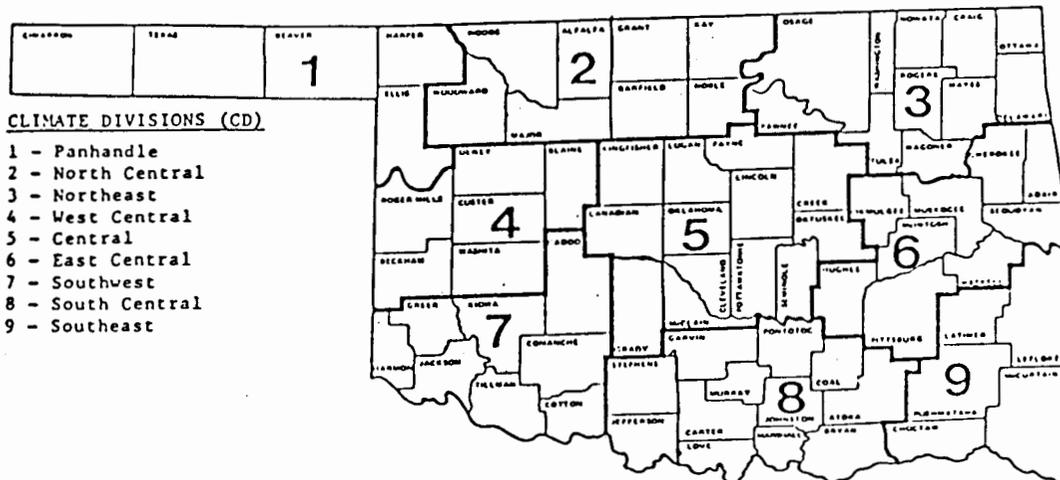
TABLE OF 1986/1987 COMPARISONS

Station	February Temperatures (F)		February Precipitation (in.)	
	1986	1987	1986	1987
Goodwell	*	41.1	*	1.175
Lahoma	41.7	43.0	0.000	1.850
Mutual	39.5	42.5	.340	2.631
Tulsa	43.4	45.8	1.332	3.475
Elk City	43.4	43.9	.772	3.643
Oklahoma City	44.4	46.2	.880	4.725
McAlester	46.6	47.3	2.861	4.122
Altus Irr. Sta.	47.5	47.8	1.102	2.852
Durant	48.8	48.6	4.480	4.600
Ada	46.9	47.0	1.620	5.681
Tuskahoma	48.7	48.7	4.181	3.212

\* indicates missing data.

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Kenton	1	14	21
	Keystone Dam	3	14	19
Maximum temperature (F)	Antlers	9	80	12
Maximum 24-hour precipitation	Quapaw	3	2.53"	28



### EXPLANATION OF TABLES

Two kinds of tables appear in this summary. The first is a set of tables containing all reporting stations grouped by climate division. The figure above shows the locations of the climate divisions. Each table contains the following information for each station:

Station Name:

Station Identification Number: These are usually assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These are the actual number of temperature reports recorded at the station during the current month. Missing observations may result in artificially high or low mean monthly temperatures.

Deviation from Normal: The deviation of the observed mean monthly temperature from the monthly station normal. A positive value indicates the month was warmer than normal. A negative value indicates the month was cooler than normal. Normal monthly temperatures may be calculated by subtracting the deviation from the observed temperature.

Maximum Daily Maximum: The maximum daily maximum temperature observed during the current month and year and the day which it occurred.

Minimum Daily Minimum: The minimum daily minimum temperature observed during the current month and year and the day which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and summed. They are a qualitative measure of how much heat was required to maintain an indoor temperature of 65 degrees. Missing observations may result in an artificially high or low value. For February 1984 HDD would be calculated as:

$$29 \sum_{i=1} ((65 - TMAX_i + TMIN_i) / 2)$$

Deviation from Normal Heating Degree Days: A positive value indicates higher than normal heating requirements for the month as a whole. A negative value indicates lower than normal heating requirements for the month as a whole. Normal HDD may be calculated by subtracting the deviation from observed HDD.

Cooling Degree Days: CDD are calculated each day of the month for which there is a temperature report and summed. They are a proxy measure of how much cooling was required to maintain an indoor temperature of 65 degrees. Missing observations may result in an artificially high or low value. For June, CDD would be calculated as:

$$\sum_{i=1}^{30} ((TMAX_i + TMIN_i)/2 - 65)$$

Deviation from normal cooling Degree Days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

#### EXPLANATION OF MAPS

To give a Statewide perspective, a series of maps is produced each month from the information contained in the station tables. Each map is calculated using between 50 and 200 observations. Only stations with complete monthly records are used. Each observation is put into one of three categories and assigned a plus (+), minus (-), or a dot (.). The minus is the lowest numeric category, the dot is the middle and the plus the highest numeric category. If a map location has no report, a value is estimated. Each map is accompanied by its own legend. The categories will vary from month to month throughout the year. The categories for the deviations from normal maps will always remain constant. This is to facilitate comparisons between months and across years.

## FEBRUARY 1987 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	FROM			MAX	
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ARNETT	332	1	42.5	27	4.3	70.	7	24.	9	608.0	-142.0	0.0	0.0	2.820	28	2.15	1.00	15
BEAVER	593	1	46.8	27	2.7	73.	11	20.	24	652.5	-100.5	0.0	0.0	1.380	28	.90	.61	27
BOISE CITY	968	1	40.6	28	2.3	68.	7	17.	21	684.0	-64.0	0.0	0.0	1.220	28	.73	.40	26
BUFFALO	1243	1	44.0	28	3.6	74.	11	22.	19	597.5	-101.5	0.0	0.0	3.350	28	2.43	1.80	15
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.622	28	1.77	1.33	15
GAGE	3407	1	42.7	20	4.4	71.	7	21.	21	447.0	-301.0	0.0	0.0	2.002	15	1.18	1.20	15
GATE	3489	1	42.8	27	999.0	72.	10	24.	8	600.5	9999.0	0.0	9999.0	0.000	28	99.99	0.00	28
GOODWELL RES STA	3628	1	41.1	27	2.5	70.	7	21.	10	646.5	-92.5	0.0	0.0	1.175	28	.86	.63	27
GUYMON	3835	1	42.1	27	999.0	72.	7	21.	21	618.5	9999.0	0.0	9999.0	.971	25	99.99	.55	27
HOOKER	4298	1	41.2	28	2.8	72.	8	23.	9	665.0	-80.0	0.0	0.0	1.040	28	.50	.64	27
KENTON	4766	1	39.8	27	1.2	69.	10	14.	21	681.0	-58.0	0.0	0.0	1.750	28	1.47	.63	27
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.743	28	1.86	1.52	15
REBNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.110	28	.84	.42	26

## FEBRUARY 1987 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	FROM			MAX	
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ALVA	194	2	44.0	28	4.7	73.	11	19.	9	587.5	-132.5	0.0	0.0	3.500	28	2.63	2.05	16
BILLINGS	755	2	44.1	27	999.0	70.	12	25.	17	565.0	9999.0	0.0	9999.0	3.750	28	2.53	.96	15
BLACKWELL	818	2	43.4	28	999.0	72.	12	20.	18	606.0	9999.0	0.0	9999.0	2.382	28	99.99	.65	28
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.363	28	99.99	.82	28
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.212	28	99.99	1.14	15
CHEROKEE	1724	2	45.4	26	5.5	70.	10	27.	19	509.5	-193.5	0.0	0.0	3.330	28	2.41	1.44	15
ENTID	2912	2	44.7	28	4.0	69.	11	26.	18	568.0	-112.0	0.0	0.0	3.650	28	2.49	1.03	15
FT SUPPLY DAM	3304	2	42.6	14	2.8	71.	11	23.	20	313.5	-392.5	0.0	0.0	2.600	28	1.75	1.46	15
FREEDOM	3358	2	43.7	28	999.0	73.	11	19.	9	596.0	9999.0	0.0	9999.0	2.900	28	99.99	.95	15
GSP DAM	3740	2	43.3	27	999.0	71.	12	21.	10	597.0	9999.0	0.0	9999.0	0.000	28	-.32	0.00	28
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.372	28	99.99	1.25	28
HELENA	4019	2	42.9	27	999.0	70.	12	25.	19	596.5	9999.0	0.0	9999.0	3.033	28	2.03	1.19	15
JEFFERSON	4573	2	44.3	28	4.7	71.	12	23.	9	578.5	-132.5	0.0	0.0	4.232	28	3.26	1.11	14
LAHOMA AG	4950	2	43.0	20	999.0	71.	11	25.	19	440.0	9999.0	0.0	9999.0	1.850	24	99.99	.78	28
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.962	28	99.99	1.62	15
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.381	28	99.99	1.20	14
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.080	28	99.99	.75	6
MUTUAL	6139	2	42.5	27	3.3	71.	2	25.	18	608.0	-114.0	0.0	0.0	2.631	28	1.70	.96	15
NEWKIRK	6278	2	43.9	28	5.0	72.	12	20.	18	591.5	-139.5	0.0	0.0	4.671	28	3.57	1.47	28
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.330	28	99.99	1.28	15
PERRY	7012	2	43.2	28	1.7	74.	12	18.	21	609.0	-49.0	0.0	0.0	4.471	28	3.15	1.05	14
PONCA CITY	7201	2	44.5	27	6.8	73.	12	18.	17	554.0	-210.0	0.0	0.0	3.621	28	2.40	.75	16
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.520	28	2.13	.84	15
SENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.990	28	2.98	.97	14
WAYNOKA	9404	2	43.2	28	2.6	72.	11	21.	9	609.5	-73.5	0.0	0.0	3.680	28	2.70	1.57	15
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.342	28	1.38	1.02	14

Note: 9999.0, 999.0, 99.99 indicate missing records.

Trace = .001

## FEBRUARY 1987 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	MIN TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM							
BARNSDALL	535	3	43.9	28	999.0	71.	12	19.	9	589.5	9999.0	0.0	9999.0	5.272	28	3.84	1.40	15			
BARTLESVILLE	548	3	44.0	28	4.5	73.	12	19.	18	565.0	-127.0	0.0	0.0	4.860	28	3.41	1.34	15			
BIXBY	782	3	44.6	27	3.9	74.	13	22.	20	552.0	-128.0	0.0	0.0	3.233	28	1.62	1.30	28			
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.920	28	99.99	1.52	26			
CLAREMORE	1828	3	42.9	27	3.1	72.	12	19.	18	595.5	-110.5	0.0	0.0	4.211	28	2.59	1.60	28			
CLEVELAND	1902	3	45.4	22	999.0	74.	12	18.	18	431.5	9999.0	0.0	9999.0	4.820	25	99.99	1.00	5			
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.231	28	3.60	2.02	15			
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.990	28	3.60	1.04	6			
HULAH DAM	4393	3	40.4	15	2.0	72.	12	18.	18	369.5	-397.5	0.0	0.0	1.690	26	.52	.64	6			
JAY TOWER	4567	3	46.9	28	999.0	72.	13	21.	18	507.0	9999.0	0.0	9999.0	4.191	28	99.99	1.75	28			
KANSAS	4672	3	45.0	28	999.0	71.	12	22.	18	536.5	9999.0	0.0	9999.0	4.282	28	99.99	1.20	28			
KEYSTONE DAM	4812	3	41.4	15	999.0	74.	12	14.	19	354.5	9999.0	0.0	9999.0	3.830	26	99.99	.93	16			
LENAPAH	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.841	28	99.99	1.92	15			
MANNFORD	5522	3	45.5	28	999.0	75.	13	15.	18	545.5	9999.0	0.0	9999.0	4.680	28	99.99	.93	6			
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.960	28	2.56	.73	28			
MIAMI	5855	3	42.3	27	2.5	73.	11	16.	21	612.0	-94.0	0.0	0.0	4.702	28	2.82	1.70	26			
NOWATA	6485	3	44.4	28	4.4	72.	12	21.	18	577.5	-122.5	0.0	0.0	4.361	28	2.72	1.30	15			
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.692	28	99.99	1.64	28			
PAWHUSKA	6935	3	44.4	28	4.4	72.	12	19.	19	578.0	-122.0	0.0	0.0	7.100	28	5.79	2.30	28			
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.691	28	3.38	1.10	15			
FRYOR	7309	3	43.0	27	3.0	73.	12	19.	18	594.0	-106.0	0.0	0.0	3.274	28	1.49	1.57	28			
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.490	28	3.67	2.53	28			
RALSTON	7390	3	45.3	28	999.0	75.	12	17.	18	551.5	9999.0	0.0	9999.0	4.193	28	2.89	1.07	6			
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.340	28	99.99	.83	28			
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.840	28	3.21	1.20	14			
SPAVINAW	8380	3	46.7	28	999.0	72.	12	21.	18	513.0	9999.0	0.0	9999.0	4.041	28	2.25	2.23	28			
SPAVINAW LAKE	8382	3	45.5	24	999.0	72.	13	21.	19	468.5	9999.0	0.0	9999.0	3.300	24	99.99	2.23	28			
TULSA	8992	3	45.8	28	5.1	72.	12	23.	17	537.0	-143.0	0.0	0.0	3.475	28	1.74	1.08	28			
UPPER SPAVINAW	9101	3	47.9	27	999.0	74.	10	24.	9	461.5	9999.0	0.0	9999.0	3.673	28	99.99	1.20	28			
VINITA	9203	3	43.7	28	3.9	72.	11	17.	18	596.5	-109.5	0.0	0.0	3.530	28	1.72	1.37	28			
WAGONER	9247	3	46.3	28	4.1	73.	12	16.	9	522.5	-115.5	0.0	0.0	3.372	28	1.40	1.80	28			
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.280	28	99.99	1.50	15			

Note: 9999.0, 999.0, 99.99 indicate missing records.  
Trace = .001

## FEBRUARY 1987 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS						
CANTON DAM	1445	4	42.1	15	1.2	70.	16	23.	19	343.5	-331.5	0.0	0.0	2.020	25	1.06	1.02	17				
CLINTON	1909	4	47.7	28	6.3	78.	7	24.	18	483.0	-178.0	0.0	0.0	2.182	28	1.14	.81	27				
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.261	28	99.99	.57	27				
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.744	28	1.71	1.13	27				
ELK CITY	2849	4	43.6	28	999.0	72.	2	21.	10	599.0	9999.0	0.0	9999.0	3.643	28	2.69	1.30	27				
ERICK	2944	4	45.2	28	3.2	73.	2	21.	21	555.5	-88.5	0.0	0.0	1.406	28	.55	.42	15				
GEARY	3497	4	44.5	27	3.4	69.	13	26.	21	552.5	-116.5	0.0	0.0	2.420	27	1.30	.92	15				
HAMMON	3871	4	42.4	28	1.5	72.	14	20.	18	631.5	-43.5	0.0	0.0	4.401	28	3.49	2.45	26				
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.590	28	.69	.70	27				
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.120	28	2.16	1.27	27				
OKEENE	6629	4	45.0	28	3.4	71.	7	25.	19	560.5	-94.5	0.0	0.0	4.000	28	3.14	1.98	15				
RETRDP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.160	28	99.99	1.02	27				
REYDON	7579	4	45.3	25	999.0	71.	2	21.	9	493.5	9999.0	0.0	9999.0	3.393	25	2.60	1.00	15				
SAVRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.232	28	1.51	.61	27				
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.250	28	99.99	.76	16				
TALOGA	8708	4	43.8	28	3.7	75.	13	20.	19	593.5	-103.5	0.0	0.0	2.185	28	1.25	.70	27				
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.352	28	99.99	1.50	14				
WATONGA	9364	4	44.5	28	999.0	71.	13	23.	9	573.5	9999.0	0.0	9999.0	2.142	28	1.09	.71	28				
WEATHERFORD	9422	4	44.3	27	2.6	72.	7	24.	19	558.5	-93.5	0.0	0.0	1.911	28	.92	.76	27				

Note: 9999.0, 999.0, 99.99 indicate missing records  
Trace = .001

## FEBRUARY 1987 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	DEV				HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	MAX 24-HR							
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.300	28	99.99	.75	28	
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.731	28	99.99	1.17	28	
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.473	27	99.99	.97	6	
BLANCHARD	630	5	46.8	28	999.0	74.	12	25.	18	509.5	9999.0	0.0	9999.0	3.534	28	99.99	1.00	6	
BRISTOW	1144	5	46.3	28	3.9	75.	12	17.	18	524.5	-108.5	0.0	0.0	5.331	28	3.72	1.46	28	
CHANDLER	1684	5	46.3	25	3.9	74.	12	23.	18	468.0	-165.0	0.0	0.0	4.202	24	2.71	.95	5	
CHICKASHA RES STA	1750	5	46.1	28	3.0	74.	12	25.	9	529.0	-84.0	0.0	0.0	3.621	28	2.41	.87	28	
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.910	28	99.99	1.10	27	
CUSHING	2318	5	44.5	27	4.5	72.	12	23.	18	552.5	-147.5	0.0	0.0	5.920	28	4.61	1.70	28	
EL RENO	2818	5	45.0	28	3.7	71.	12	24.	9	559.5	-104.5	0.0	0.0	2.971	28	1.88	.92	15	
GUTHRIE	3821	5	46.7	28	5.4	73.	12	26.	21	511.5	-152.5	0.0	0.0	6.800	28	5.54	2.05	15	
HENNESSEY	4055	5	44.7	28	4.2	68.	13	27.	17	567.0	-116.0	0.0	0.0	2.287	28	1.13	.55	15	
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.502	28	99.99	1.13	15	
KINGFISHER	4861	5	45.5	28	4.3	70.	13	26.	19	545.0	-121.0	0.0	0.0	3.201	28	2.07	.80	15	
KONOWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.463	28	3.01	1.65	28	
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.150	28	.99	.73	15	
NEEKER	5779	5	45.9	28	4.0	73.	12	23.	18	533.5	-113.5	0.0	0.0	4.860	28	3.39	1.15	1	
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.610	28	99.99	1.01	15	
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.602	28	2.27	.85	28	
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.290	28	99.99	.84	6	
OKEMAH	6638	5	45.8	28	2.7	73.	2	23.	18	537.0	-76.0	0.0	0.0	5.250	28	3.00	1.40	28	
OKLAHOMA CITY	6661	5	46.2	28	5.4	72.	12	26.	18	527.0	-151.0	0.0	0.0	4.725	28	3.43	.80	6	
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.030	28	3.77	1.18	15	
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.670	28	99.99	.97	15	
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.601	28	3.10	1.05	28	
PURCELL	7327	5	46.6	28	4.4	74.	12	21.	18	514.5	-123.5	0.0	0.0	4.523	28	3.18	.90	6	
SEMINOLE	8042	5	48.7	28	4.2	76.	12	25.	19	455.0	-119.0	0.0	0.0	4.781	28	3.23	1.09	28	
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.470	28	3.94	2.00	28	
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.930	28	99.99	.86	16	
STILLWATER	8501	5	43.0	27	2.5	73.	12	19.	18	594.0	-92.0	0.0	0.0	5.383	28	4.18	1.37	16	
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.144	28	99.99	1.00	16	
TECUMSEH	9751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.791	28	99.99	1.33	15	
THOMAS	8815	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.430	28	99.99	1.00	28	
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.600	28	99.99	1.27	14	
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.301	28	1.89	.86	28	
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.671	28	99.99	1.20	28	
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.701	28	3.02	1.16	28	

Note: 9999.0, 999.0, 99.99 indicate missing records.

Trace = .001

## FEBRUARY 1987 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	NUM	FROM	MAX						
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM				
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.351	28	99.99	1.17	28		
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.800	28	99.99	1.26	28		
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.850	28	99.99	1.67	28		
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.856	28	2.96	1.50	28		
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.403	28	2.53	1.40	28		
DEWAR	2465	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.340	28	99.99	1.14	28		
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.100	28	99.99	2.00	28		
EUFULA	2993	6	47.2	28	999.0	74.	12	27.	17	497.5	9999.0	0.0	9999.0	4.660	28	2.59	1.19	28		
HANNA	3884	6	46.7	27	999.0	74.	12	24.	10	493.5	9999.0	0.0	9999.0	4.930	28	3.07	1.29	28		
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.250	28	99.99	.76	28		
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.020	28	2.10	1.40	28		
HOLDENVILLE	4235	6	47.2	28	5.2	75.	2	24.	18	497.0	-96.0	0.0	-8.0	3.700	28	2.02	.72	28		
LAKE EUFAULA	4975	6	46.3	27	999.0	75.	12	26.	19	505.0	9999.0	0.0	9999.0	4.300	28	99.99	1.20	28		
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.640	28	.69	1.05	28		
MCALESTER	5664	6	47.3	27	4.2	76.	12	27.	19	477.0	-136.0	0.0	0.0	4.122	28	1.86	1.58	28		
MCCURTAIN	5693	6	48.1	28	999.0	78.	2	26.	23	473.5	9999.0	0.0	9999.0	3.414	28	.88	1.35	28		
MUSKOGEE	6130	6	47.0	28	4.1	74.	12	24.	10	503.5	-115.5	0.0	0.0	4.300	28	2.27	1.61	28		
OKMULGEE WATER WORKS	6670	6	45.2	28	2.2	73.	12	21.	18	553.0	-63.0	0.0	0.0	3.700	28	1.91	.82	26		
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.530	28	99.99	1.32	28		
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.013	28	1.91	1.61	28		
SALLISAW	7862	6	48.9	15	5.5	73.	11	23.	9	242.0	-363.0	0.0	0.0	3.782	28	1.30	1.25	28		
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.280	28	99.99	1.20	28		
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.430	28	99.99	1.03	28		
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.853	28	99.99	1.19	28		
STILWELL	8306	6	45.4	28	999.0	72.	12	19.	9	548.0	9999.0	0.0	9999.0	5.531	28	99.99	1.79	28		
TAHLEQUAH	8677	6	46.2	28	4.1	75.	12	22.	9	527.0	-114.0	0.0	0.0	2.482	28	.06	.85	28		
WEBBERS FALLS	9445	6	46.4	23	5.6	77.	12	25.	10	428.0	-250.0	0.0	0.0	5.091	28	2.78	1.63	28		
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.420	28	99.99	1.43	28		
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.643	28	3.04	.95	28		

Note: 9999.0, 999.0, 99.99 indicate missing records.  
Trace = .001

## FEBRUARY 1987 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM				
ALTUS IRR STA	179	7	48.1	28	3.7	77.	13	26.	18	474.0	-103.0	0.0	0.0	2.852	28	1.93	.67	5	
ALTUS DAM	184	7	46.1	27	999.0	75.	13	29.	10	510.5	9999.0	0.0	9999.0	3.090	28	2.15	.59	27	
ANADARKO	224	7	45.6	26	2.8	72.	13	22.	10	505.5	-116.5	0.0	0.0	4.730	27	3.51	2.47	15	
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.740	28	99.99	.74	1	
CARNEGIE	1504	7	46.2	28	3.6	73.	12	23.	9	526.0	-101.0	0.0	0.0	2.910	28	1.76	.67	1	
CHATTANOOGA	1706	7	47.9	28	3.6	72.	12	27.	10	477.5	-102.5	0.0	0.0	3.761	28	2.63	.94	5	
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.381	28	99.99	1.12	28	
FLETCHER	3191	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.760	28	99.99	1.20	3	
FREDERICK	3353	7	46.6	27	.9	72.	13	27.	10	497.5	-52.5	0.0	-10.0	4.061	28	3.04	.96	5	
GRANFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.370	28	2.19	1.04	6	
HOBART FAA	4204	7	44.7	20	3.5	71.	13	24.	17	405.0	-261.0	0.0	0.0	.621	15	-.29	.50	26	
HOLLIS	4249	7	46.0	26	1.7	75.	13	23.	9	493.0	-87.0	0.0	0.0	3.901	26	3.13	1.01	15	
LANTON	5063	7	45.9	27	2.2	73.	11	25.	15	516.5	-79.5	0.0	0.0	2.870	28	1.70	.63	4	
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.174	27	3.00	.00	5	
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.712	28	99.99	1.51	5	
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.421	28	99.99	.52	28	
MANGUM RS STA	5509	7	46.5	28	2.6	77.	13	26.	10	519.0	-72.0	0.0	0.0	3.540	28	2.68	.04	5	
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.623	28	99.99	1.30	28	
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.603	28	2.64	.77	1	
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.372	28	2.32	.75	5	
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.111	28	2.45	1.20	15	
WALTERS	9278	7	48.0	28	3.0	75.	13	26.	18	452.5	-107.5	0.0	0.0	4.320	28	3.05	1.30	5	
WICHITA MT REF	9629	7	43.3	27	.5	75.	11	22.	10	587.0	-35.0	0.0	0.0	4.400	28	3.23	.00	5	
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.460	28	99.99	1.10	27	

Note: 9999.0, 999.0, 99.99 indicate missing records.  
Trace = .001

## FEBRUARY 1987 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX 24-HR DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DAY TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM						
ADA	17	8	47.1	28	2.4	76.	3	23.	18	501.0	-67.0	0.0	0.0	5.681	28	3.80	1.79	16		
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.270	28	99.99	1.24	15		
ARDMORE	292	8	49.5	28	2.1	77.	2	24.	18	434.0	-67.0	0.0	-9.0	5.070	28	3.41	2.30	28		
ATOKA DAM	394	8	47.9	27	999.0	78.	12	27.	9	461.0	9999.0	0.0	9999.0	2.121	28	99.99	.50	27		
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.020	28	99.99	1.04	28		
CANEY	1437	8	48.1	27	999.0	71.	11	28.	18	457.5	9999.0	0.0	9999.0	4.120	28	99.99	1.40	28		
CHICKASAW NRA	1745	8	46.6	27	999.0	78.	2	20.	18	498.0	9999.0	0.0	9999.0	4.030	28	99.99	1.48	28		
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.041	28	99.99	1.05	28		
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.363	28	.67	1.04	28		
DURANT USDA	2678	8	48.2	27	999.0	78.	2	23.	18	453.5	9999.0	0.0	9999.0	4.680	28	2.35	1.62	28		
ELKORE CITY	2672	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.170	31	99.99	1.20	28		
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.450	28	99.99	.78	28		
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.030	28	99.99	1.52	28		
HEALSTON	4001	8	48.1	28	999.0	76.	12	22.	18	472.5	9999.0	0.0	9999.0	5.390	28	4.04	1.75	28		
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.400	28	99.99	1.20	15		
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.390	28	3.13	2.37	28		
LEHIGH	5108	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.545	28	99.99	1.20	28		
LINDSAY	5216	8	46.8	28	999.0	73.	2	23.	18	510.0	9999.0	0.0	9999.0	0.000	28	-1.42	0.00	28		
MADILL	5469	8	49.5	28	3.6	77.	2	24.	18	434.0	-126.0	0.0	-5.0	5.210	28	3.09	1.96	28		
MARIETTA	5563	8	49.8	28	3.7	78.	2	22.	18	424.5	-111.5	0.0	-6.0	5.000	28	3.23	1.34	28		
MARLOW	5581	8	47.5	28	999.0	74.	12	20.	18	490.5	9999.0	0.0	9999.0	3.561	28	2.36	.90	28		
MCGEE CREEK	5717	8	49.1	24	999.0	79.	13	25.	21	380.5	9999.0	0.0	9999.0	4.680	28	99.99	1.52	28		
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.470	28	99.99	2.50	28		
PAULS VALLEY	6926	8	47.1	28	2.6	77.	12	22.	18	502.0	-72.0	0.0	0.0	4.912	28	3.42	1.01	28		
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.160	28	2.23	2.50	15		
TISHOMINGO	8884	8	46.0	16	999.0	76.	11	18.	18	303.5	9999.0	0.0	9999.0	3.450	23	1.40	.71	16		
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.282	29	99.99	1.00	28		

Note: 9999.0, 999.0, 99.99 indicate missing records.  
Trace = .001

## FEBRUARY 1987 SUMMARY FOR SOUTHEAST DIVISION (CD9)

NAME	ID	DIV	DEV						HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS						
ANTLERS	256	9	49.5	28	4.6	80.	12	32.	9	433.0	-130.0	0.0	0.0	3.020	28	.27	.72	15				
BATTIEST	367	9	47.3	27	999.0	76.	12	24.	10	478.0	9999.0	0.0	9999.0	3.910	27	99.99	.72	15				
BEAR MT TW	584	9	49.0	26	999.0	78.	12	26.	18	415.0	9999.0	0.0	9999.0	3.611	27	.24	.56	2				
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.680	28	99.99	1.16	28				
BOSWELL	790	9	49.8	28	999.0	77.	12	26.	18	426.5	9999.0	0.0	9999.0	3.890	28	1.11	1.20	28				
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.990	28	.70	1.07	15				
BROKEN BOW DAM	1168	9	47.1	27	999.0	77.	12	27.	10	433.5	9999.0	0.0	9999.0	4.180	28	99.99	1.28	15				
BUFFALO MT TW	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.570	27	99.99	1.07	28				
CARNAGAN TW	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.630	28	1.30	1.22	2				
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.310	28	1.01	.78	15				
FANGHAME	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.670	28	.98	.86	28				
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.440	28	99.99	1.25	2				
HUGO	4384	9	49.7	28	2.8	76.	12	27.	18	427.0	-86.0	0.0	-6.0	4.150	28	1.38	1.10	28				
IDABEL	4451	9	48.3	27	2.0	77.	12	28.	19	451.0	-73.0	0.0	0.0	5.281	28	1.85	1.15	15				
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.200	28	99.99	.88	15				
SMITHVILLE	6285	9	46.3	28	999.0	78.	12	22.	23	523.0	9999.0	0.0	9999.0	5.624	28	99.99	1.20	28				
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.061	28	.36	.49	27				
TUSKAHOMA	9023	9	48.7	28	999.0	76.	12	21.	9	455.0	9999.0	0.0	9999.0	3.212	28	99.99	.67	28				
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.081	28	.81	.84	15				
ZOE	9985	9	44.9	24	999.0	76.	11	17.	9	482.0	9999.0	0.0	9999.0	2.591	27	-.22	.74	15				
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.720	28	0.00	.58	16				
FOTEAU	7254	9	45.5	27	999.0	75.	11	23.	9	526.5	9999.0	0.0	9999.0	3.821	28	99.99	.87	15				
WILBURTON	9634	9	46.2	27	2.2	76.	13	20.	23	508.0	-80.0	0.0	0.0	0.000	28	-2.62	0.00	28				
WISTER DAM	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.040	14	99.99	1.06	17				

## FEBRUARY 1987 CLIMATE DIVISION SUMMARY

CLIMATE	DIV	MEAN	NUM	DEV			HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
				FROM	MAX	MIN	DEGREE	FROM	DEGREE	FROM	NORM	PPT	STA	NORM						
1	41.6	9	3.0	74.0	11	14.0	21	638.2	-100.7	0.0	0.0	1.75	11	1.15	1.00	15				
2	43.7	13	3.9	74.0	12	18.0	17	589.0	-116.8	0.0	0.0	3.32	25	2.28	2.05	16				
3	45.0	17	4.9	75.0	12	14.0	19	555.0	-142.8	0.0	0.0	4.12	30	2.55	2.53	28				
4	44.6	9	3.4	78.0	7	20.0	19	567.5	-98.5	0.0	0.0	2.65	17	1.71	2.45	26				
5	45.9	14	4.1	76.0	12	17.0	18	532.8	-116.6	0.0	0.0	4.32	36	2.95	2.05	15				
6	46.7	10	3.9	79.0	2	19.0	9	507.5	-116.1	0.0	-1.1	4.21	29	2.15	2.00	28				
7	46.6	9	2.9	77.0	13	22.0	18	506.7	-90.6	0.0	-.9	3.49	23	2.46	2.47	15				
8	48.0	12	2.3	79.0	13	18.0	18	469.9	-73.9	0.0	-4.0	4.38	26	2.53	2.50	15				
9	47.8	10	2.3	90.0	12	17.0	9	471.1	-75.9	0.0	-1.5	3.77	23	.77	1.28	15				

Note: 9999.0, 999.0, 99.99 indicate missing records.  
Trace = .001

- - - 40.6 to 44.0  
 . . . 44.0 to 47.0  
 + + + 47.0 to 49.8

## FEBRUARY 1987 AVERAGE MONTHLY TEMPERATURE (DEGREES F)

- - - Normal  
       (less than 2.0)  
 . . . Above normal  
       (2.0 to 4.0)  
 + + + Much above normal  
       (greater than 4.0)

## FEBRUARY 1987 DEVIATION FROM NORMAL TEMPERATURE

- - - 424.5 to 500.0  
 . . . 500.0 to 575.0  
 + + + 575.0 to 684.0

## FEBRUARY 1987 TOTAL HEATING DEGREE DAYS

- - - Much below normal  
 (less than -200)  
 . . . Below normal  
 (-200 to -100)  
 + + + Normal  
 (greater than -100)

## FEBRUARY 1987 DEVIATION FROM NORMAL HEATING DEGREE DAYS

- - - 0.00 to 2.40
- . . . 2.40 to 4.00
- + + + 4.00 to 7.10

## FEBRUARY 1987 TOTAL PRECIPITATION (INCHES)

- - - Normal  
(less than 2.0)
- . . . Above normal  
(2.0 to 4.0)
- + + + Much above normal  
(greater than 4.0)

## FEBRUARY 1987 DEVIATION FROM NORMAL PRECIPITATION

