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 SEPTEMBER 1986

Most areas of the State received much above normal September rainfall. Exceptions were northwestern and southeastern Oklahoma. Climate Divisions 2, 3, 4, 5, and 7 recorded more than twice their normal precipitation totals (see Figure 1). Although monthly mean temperatures lay within 2 degrees of long-term expected values, daily temperatures tended to be below normal the first half of the month and above normal afterwards. Most stations recorded their lowest daily temperature in the first half of September and their highest after the 15th.

September began very wet. During the first week many stations Statewide experienced rain on several days (see Figure 2). On the 1st through the 3rd an upper level disturbance moving slowly across the State was associated with the precipitation. In Lawton, this rainfall prompted officials to curtail water rationing on the 2nd, 23 days ahead of the 1985 date. A stationary front settled over Oklahoma the second half of the week and delivered over 5 inches of rain in parts of Jackson County. In southeastern Oklahoma, Boggy Creek flooded crop and pasture lands in the Caney area and the National Weather Service issued flash flood watches for central and southeastern Oklahoma as other rivers approached flood stages. The abundant cloud cover and rain-cooled air during the first 7 days of September kept temperatures several degrees below normal. Oklahoma City's mean temperature for the week was 71 degrees compared to a 30-year average figure of 77.1 degrees.

Damaging storms accompanied a cold front through Oklahoma on the 10th. Strong southerly flow of very moist air ahead of the front and an upper level system moving toward the State served as the thunderstorm producing mechanisms. In Stephens County winds estimated at 70 mph blew roofs off buildings, Comanche reported 2.25 inches of rain and Duncan 2.61 inches. In Norman, a graduate student witnessed a rather unique event. The digital rainguage at the University's Meteorology Department briefly recorded precipitation falling at an

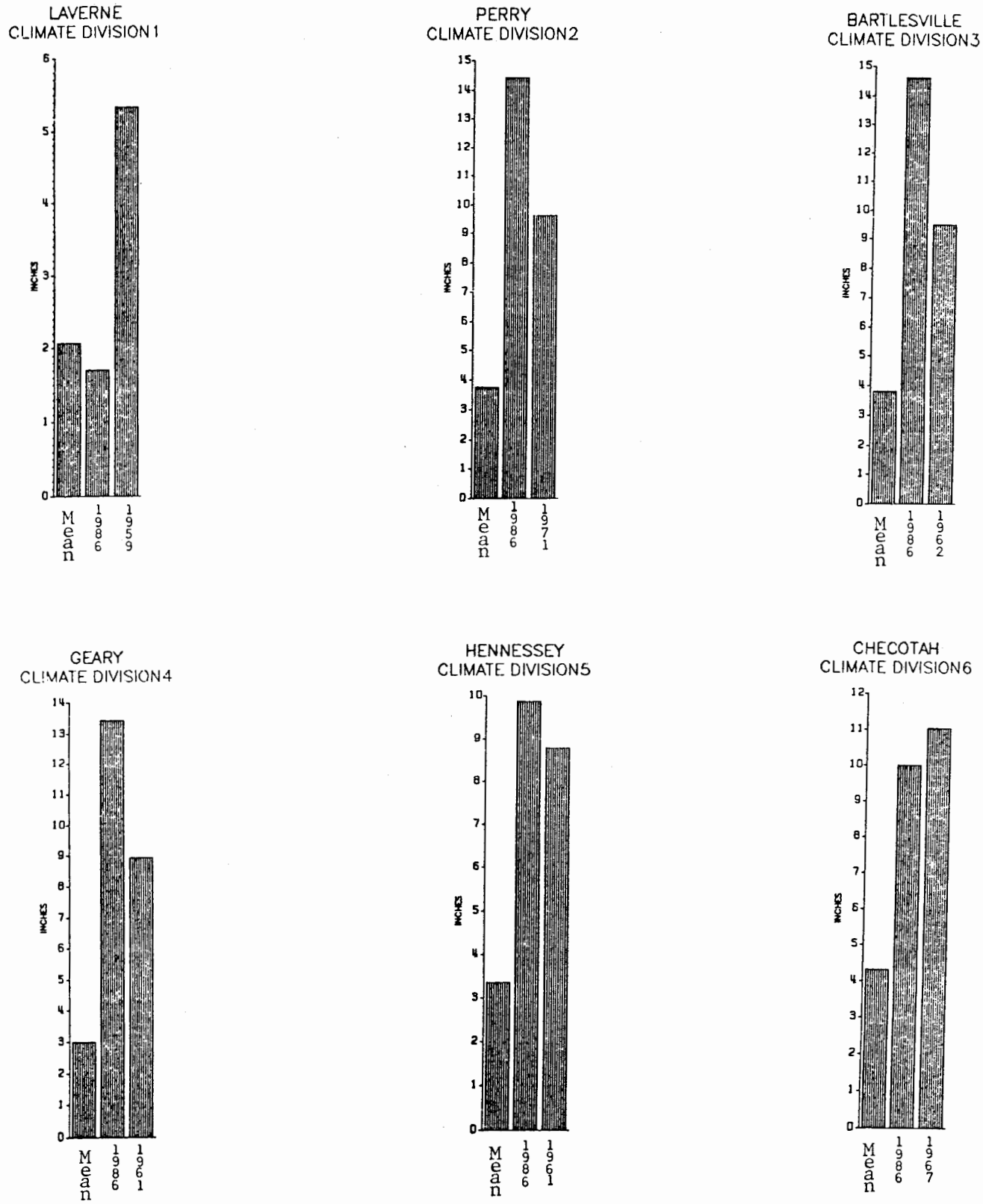
unprecedented rate of 12 inches per hour. Norman reported 1.96 inches for the day.

Oklahoma experienced more thunderstorms during the middle of the month. On the 14th, all but the northwest quarter of the State recorded precipitation. The greatest amount of rain, nearly 2 inches, fell over south central Oklahoma. During the next two days, an unstable air mass, low level moisture, and a stationary surface front generated additional storms. Bartlesville reported 5.60 inches for the 3 days which resulted in the closing of State Highway 60 near that city. Other northeastern Oklahoma 3-day rainfall reports included Pryor 2.63 inches and Wann 5.42 inches. On the 16th the National Weather Service issued a flash flood warning for Nowata, Washington, and Osage Counties. Street and low-land flooding, and small hail were reported in the area. Marlow and Duncan in Stephens County also reported hail on the 16th.

Several days of mostly rain-free weather ended on the 26th when a cold front and a strong upper level disturbance produced severe thunderstorms across the State. A tornado damaged barns and downed trees and power lines in Wagoner County, and weather observers reported funnel clouds south of Tulsa near Coweta, Bixby and Mounds.

The next several days provided some of the most spectacular weather of the year as a vigorous, nearly stationary upper level storm system (see related article) dumped over 20 inches of rain in north central Oklahoma and at least 5-10 inches in most areas of the State (see Figure 2). Although these rains continued into October, flooding occurred before month's end in Logan County where nearly 100 people were evacuated from their homes. In Skiatook, flood waters rose 15 feet over the Bird Creek banks forcing another 100 people to evacuate. The flooding struck some 40 homes and 15 businesses occupying 15 blocks. As the rains continued through the first few days of October hundreds of homes in the Tulsa area were evacuated as local rivers flooded. Although Tulsa recorded only 8.04 inches of rain in the several day period, both the Arkansas River and Bird Creek received large amounts of water draining from the adjacent areas of maximum precipitation.

Figure 1: The following nine graphs show the long-term mean and the 1986 September precipitation amounts for selected stations graphed along with the greatest amount of precipitation received in September prior to 1986.



(Figure 1 continued)

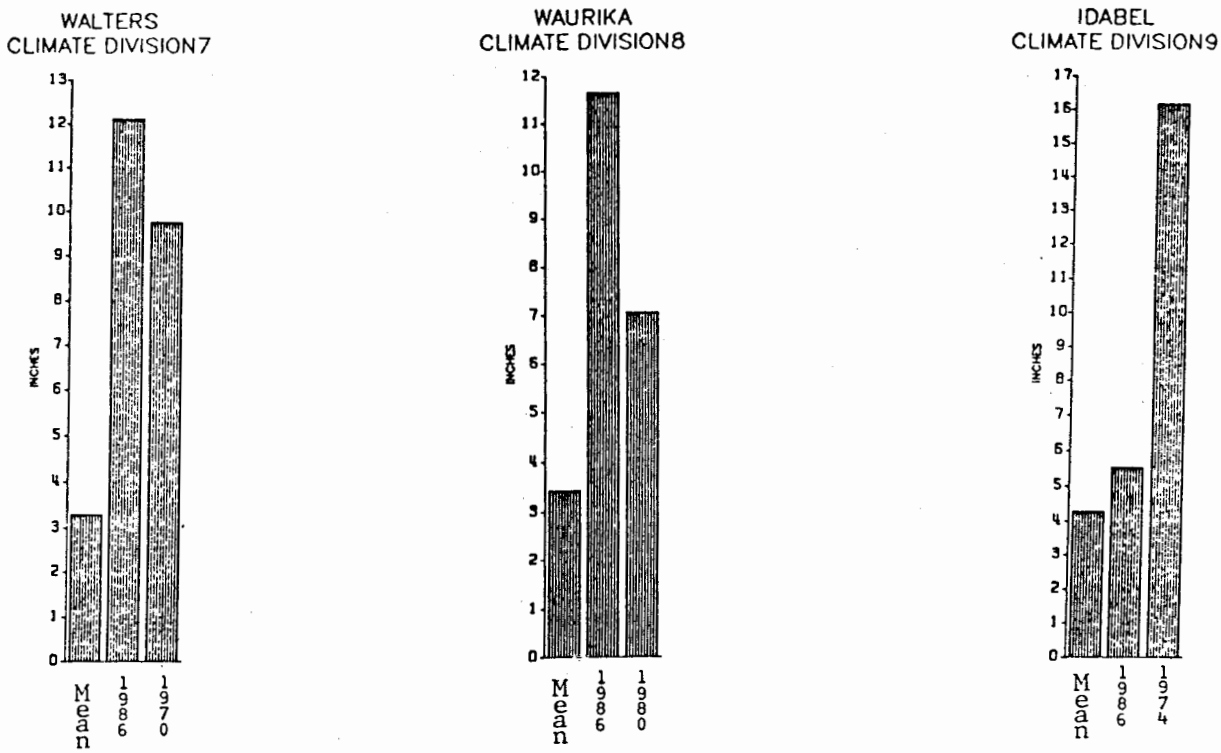


Figure 2: September rain days for selected stations.

Station	CD	# of Rain Days (Trace or >) Sept 1-7	# Øf Rain Days (.1Ø" or >) For Month	Average # Øf Rain Days (.1Ø" or >) For Month
Buffalo	1	3	3	3
Ponca City	2	5	4	5
Wagoner	3	4	13	5
Clinton	4	5	9	4
Oklahoma City	5	7	11	4
McAlester	6	6	9	5
Anadarko	7	5	11	4
Chickasha	8	7	13	3
Idabel	9	5	8	4

METEOROLOGICAL CONDITIONS CONTRIBUTING TO THE OKLAHOMA FLOOD OF LATE SEPTEMBER-EARLY OCTOBER 1986

Analysis by Tom Dunn

Portions of north central Oklahoma began to report rainfall as early as Septemer 24 in response to a weak, southwestwardly moving cold front. The front was able to edge its way across only half of the State before losing strength and becoming stationary just to the northwest of Oklahoma City. This frontal boundary remained situated over northwestern Oklahoma for the following eight days, thus aiding in the development of shower and thunderstorm activity. In addition, the clockwise cirulation around a large area of high pressure over the southeastern U.S. allowed warm and moist air from the Gulf of Mexico to overspread the State throughout the period. This helped to further destabilize the atmosphere. The high pressure cell extended well into the upper reaches of the atmosphere, where it began to inhibit the eastwardly movement of a developing upper-level low pressure area to the southwest of Oklahoma. The resulting position of the low pressure area was such that it created a preferred storm track extending from over Oklahoma northwestward into the upper Mississippi Valley region. Numerous upper-level storms and, eventually , the remnants of hurricane Paine migrated across Oklahoma along this storm track. This resulted in prolonged periods of intense rainfall over north central Oklahoma (see Figure 3). The rainfall persisted until the upper-level low pressure system began to push off slowly toward the northeast on the 3rd of October. A surface cold front accompanying the upper-level low swept through the panhandle region and finally exited the State during the afternoon of the 4th bringing an end to the widespread precipitation that gave rise to some of the worst flooding in Oklahoma history.

Figure 3: Rainfall for the last week of September through 7:00 a.m. October 3, 1986.

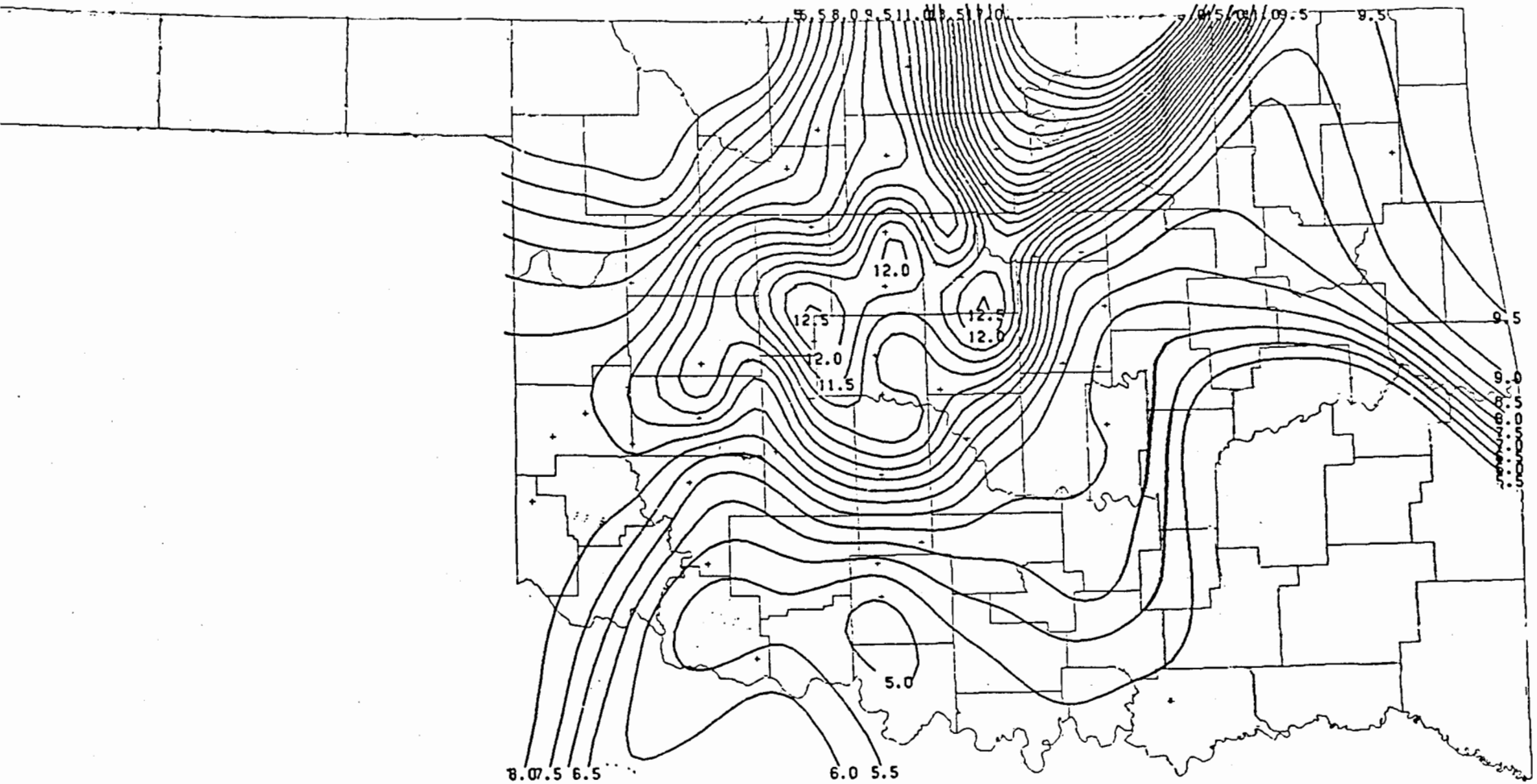
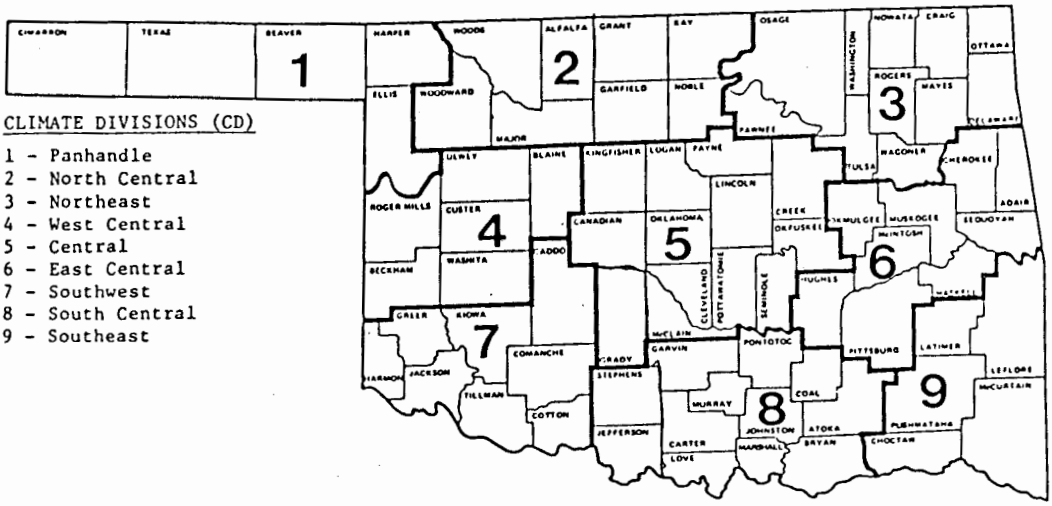


TABLE OF 1985/1986 SEPTEMBER COMPARISONS

Station	September Temperatures (F) 1985	1986	September Precipitation (in.) 1985	1986
Goodwell	67.6	70.5	7.273	.394
Lahoma	72.8	73.9	3.640	7.190
Mutual	69.9	71.8	4.480	3.550
Tulsa	75.0	74.9	3.292	7.855
Elk City	71.6	71.7	2.743	9.003
Oklahoma City	73.1	74.9	4.592	7.904
McAlester	74.8	76.2	3.350	5.134
Altus Irr. Sta.	76.6	75.6	4.711	5.960
Durant	76.9	77.6	1.981	5.190
Ada	75.3	75.3	2.672	4.205
Tuskahoma	76.2	77.0	3.570	4.314

SEPTEMBER EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Kenton	1	38	27
Maximum temperature (F)	Guffalo	1	101	17
Maximum 24-hour precipitation	Barnsdall	3	10.42"	29



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:

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

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.

SEPTEMBER 1986 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ARNETT	332	1	70.4	29	-.5	91.	15	47.	9	25.0	-6.0	181.0	-27.0	3.223	30	1.31	1.10	17
BEAVER	593	1	72.6	29	1.7	95.	18	48.	28	15.0	-16.0	234.0	26.0	2.140	30	.62	.94	23
BUFFALO	1243	1	74.9	30	1.7	101.	17	49.	7	4.0	-15.0	302.5	37.5	2.050	30	-.75	1.11	29
FARGO	3070	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.301	30	-.52	.75	30
GAGE	3407	1	71.5	30	.2	92.	23	48.	8	24.5	-1.5	220.5	5.5	.993	30	-.61	.71	30
GATE	3489	1	73.4	29	999.0	99.	16	48.	7	15.5	9999.0	258.0	9999.0	4.080	30	99.99	1.77	21
GOODWELL RS ST	3628	1	70.5	29	1.0	96.	15	44.	27	17.5	-21.5	177.0	3.0	.394	30	-.88	.11	23
GUYMON	3835	1	71.9	30	999.0	96.	19	45.	27	26.5	9999.0	234.0	9999.0	.440	30	99.99	.12	23
HOOKER	4298	1	70.6	30	.7	95.	18	47.	27	23.0	-6.0	191.0	15.0	.731	30	-.89	.62	24
KENTON	4766	1	67.5	29	-1.4	90.	21	38.	27	37.5	5.5	110.0	-39.0	1.660	30	.15	.50	7
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.712	30	-.30	.82	29
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.260	30	-.15	.87	4
TURPIN	9017	1	71.7	29	999.0	97.	19	47.	27	15.5	9999.0	209.0	9999.0	2.250	30	99.99	1.13	23

SEPTEMBER 1986 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALVA	194	2	74.7	30	1.5	95.	23	47.	8	5.0	-15.0	297.0	31.0	5.380	30	2.91	1.79	30
BILLINGS	755	2	74.9	29	999.0	95.	15	50.	8	11.0	9999.0	297.0	9999.0	8.451	30	4.23	4.33	30
BLACKWELL	818	2	78.5	22	999.0	97.	23	56.	13	0.0	9999.0	297.0	9999.0	8.786	30	99.99	5.21	30
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.632	30	99.99	5.27	30
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.441	30	99.99	2.94	30
ENID	2912	2	75.4	30	1.6	92.	27	50.	8	3.0	-12.0	315.5	36.5	7.210	30	4.00	4.00	30
FT SUPPLY DAM	3304	2	70.4	29	-1.8	91.	23	47.	8	23.5	-1.5	179.5	-61.5	2.490	30	.52	1.26	30
FREEDOM	3358	2	73.9	30	999.0	94.	23	49.	27	2.5	9999.0	269.5	9999.0	2.010	30	99.99	.85	29
GREAT SALT PLAINS	D3740	2	76.1	29	999.0	96.	27	50.	9	.5	9999.0	322.0	9999.0	5.190	28	2.21	3.16	30
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.584	30	99.99	5.04	29
HELENA	4019	2	73.8	29	999.0	93.	27	50.	8	10.0	9999.0	266.0	9999.0	4.840	30	1.97	2.78	30
JEFFERSON	4573	2	77.2	30	3.7	97.	15	52.	12	0.0	-15.0	367.5	94.5	7.841	30	4.71	4.59	29
LAHOMA AG	4950	2	73.9	27	999.0	96.	24	49.	8	8.0	9999.0	247.0	9999.0	7.190	27	99.99	4.05	30
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.461	30	99.99	4.88	30
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.050	30	99.99	4.12	29
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.312	30	99.99	4.74	30
MUTUAL	6139	2	71.8	29	-.5	92.	15	47.	9	15.5	-2.5	211.5	-25.5	3.550	30	1.07	1.83	30
NEWKIRK	6278	2	75.8	30	3.0	93.	23	52.	8	5.5	-16.5	329.0	73.0	6.192	30	2.65	3.22	30
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.630	13	99.99	2.58	30
PERRY	7021	2	74.2	30	999.0	94.	19	49.	8	2.0	9999.0	279.0	9999.0	14.411	30	99.99	7.03	29
PONCA CITY	7201	2	75.9	29	3.6	95.	15	53.	7	7.0	-21.0	323.0	76.0	9.714	30	5.87	5.46	30
REDROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	14.100	30	10.38	7.40	30
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.800	30	1.59	3.25	30
WAYNOKA	9404	2	73.9	30	.5	94.	23	49.	8	10.0	-6.0	277.0	9.0	2.430	30	-.07	1.46	30

SEPTEMBER 1986 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	75.2	30	999.0	90.	23	51.	12	1.0	9999.0	308.0	9999.0	18.045	30	13.33	10.42	29
BARTLESVILLE	548	3	76.0	30	3.2	92.	23	52.	13	.5	-17.5	331.0	79.0	14.611	30	10.48	7.07	30
BIXBY	782	3	74.4	29	1.7	90.	23	51.	13	2.0	-19.0	274.5	22.5	11.021	30	6.67	6.18	30
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.350	30	99.99	6.69	30
CLAREMORE	1828	3	73.6	29	.9	89.	23	51.	13	4.5	-21.5	254.0	-3.0	11.234	30	7.35	6.41	30
CLEVELAND	1902	3	75.8	27	999.0	93.	23	52.	12	1.0	9999.0	291.5	9999.0	6.670	27	99.99	3.84	30
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.830	30	8.75	7.34	30
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.570	30	6.73	6.63	30
HOMING	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.870	30	8.39	6.52	30
HULAH DAM	4393	3	73.6	16	1.6	91.	23	52.	12	4.0	-25.0	142.0	-97.0	11.800	26	7.97	4.76	30
JAY TOWER	4567	3	74.4	30	999.0	89.	20	52.	13	3.5	9999.0	284.5	9999.0	11.590	30	99.99	5.30	30
KANSAS	4672	3	73.1	30	999.0	85.	28	54.	8	1.0	9999.0	244.0	9999.0	15.952	30	99.99	9.42	30
KEYSTONE DAM	4812	3	72.5	29	999.0	92.	23	47.	12	11.0	9999.0	227.5	9999.0	8.900	30	99.99	6.07	30
HENNEPIN	5118	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	16.091	30	99.99	6.87	30
MANNFORD	5522	3	75.4	30	999.0	94.	23	51.	12	1.5	9999.0	313.0	9999.0	7.691	30	99.99	5.42	30
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.420	30	4.50	5.38	30
MIAMI	5855	3	72.4	29	-.2	91.	4	47.	12	10.0	-17.0	225.5	-29.5	14.941	30	10.34	5.92	29
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.960	30	99.99	5.37	30
PAWHUSKA	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.421	30	99.99	8.32	30
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.610	30	4.24	5.30	30
PRYOR	7309	3	72.8	29	.2	88.	23	49.	27	7.0	-17.0	234.0	-18.0	12.534	30	8.37	6.53	30
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	17.093	30	12.29	5.95	30
RALSTON	7390	3	76.5	30	999.0	93.	23	52.	12	.5	9999.0	346.0	9999.0	12.802	30	8.94	7.75	30
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	15.200	30	99.99	7.80	30
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.882	30	3.55	3.26	29
SPAVINAW	8380	3	74.8	30	999.0	89.	24	53.	12	1.0	9999.0	294.5	9999.0	12.673	30	8.29	6.59	30
SPAVINAW AG	8382	3	74.9	30	999.0	89.	25	53.	13	1.0	9999.0	297.5	9999.0	12.073	30	99.99	6.59	30
STILWELL	8506	3	73.3	30	999.0	87.	19	51.	12	0.0	9999.0	249.5	9999.0	7.953	30	3.64	2.68	30
TULSA	8992	3	74.9	30	1.1	90.	23	53.	8	5.0	-13.0	301.5	19.5	7.855	30	3.49	4.81	30
UPPER SPAVINAW	9101	3	77.1	29	999.0	92.	23	54.	12	1.5	9999.0	351.0	9999.0	8.464	30	99.99	2.55	30
VINITA	9203	3	74.3	30	2.0	89.	23	50.	12	1.5	-25.5	280.0	34.0	14.360	30	9.61	5.85	30
WESTVILLE	9523	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.071	30	99.99	5.75	30
WAGONER	9247	3	74.7	30	.8	89.	23	54.	8	0.0	-17.0	291.0	7.0	10.152	30	6.06	6.48	30
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	13.852	30	99.99	4.12	30
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	14.384	28	99.99	6.00	29

SEPTEMBER 1986 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	72.7	29	-.7	92.	27	47.	8	12.5	-2.5	235.5	-31.5	4.830	30	1.70	2.01	30
CLINTON	1909	4	74.7	30	1.2	91.	24	50.	8	3.0	-13.0	295.5	21.5	8.851	30	5.85	1.88	16
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	12.900	30	99.99	6.69	29
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	11.021	30	8.22	3.98	29
ELK CITY	2849	4	71.7	30	999.0	88.	23	47.	8	7.5	9999.0	209.0	9999.0	9.003	29	6.42	3.03	1
ERICK	2944	4	72.0	30	-1.1	89.	23	50.	9	9.0	-4.0	219.5	-36.5	6.881	30	4.07	1.58	24
GEARY	3497	4	72.1	27	-1.7	88.	24	50.	8	11.5	-7.5	203.0	-80.0	13.430	27	10.21	5.90	29
HAMMON	3871	4	70.7	29	-1.8	89.	22	49.	7	14.0	-8.0	178.0	-69.0	8.901	30	6.19	2.50	30
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.520	30	3.29	3.70	30
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.860	30	3.09	2.05	29
OKEENE	6629	4	74.2	30	-.1	92.	23	50.	8	10.5	-6.5	288.0	-8.0	10.850	30	7.92	4.00	30
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.960	30	99.99	3.40	29
REYDON	7579	4	71.8	28	999.0	90.	23	47.	8	19.0	9999.0	209.0	9999.0	5.794	28	3.45	2.14	29
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.111	30	4.67	1.75	15
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.650	30	99.99	2.04	30
TALOGA	8708	4	72.3	30	-.3	93.	20	49.	12	2.5	-16.5	221.5	-25.5	5.571	30	2.94	3.03	30
VICI	9172	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.282	30	99.99	1.65	30
WATONGA	9364	4	74.7	29	999.0	90.	27	49.	8	2.0	9999.0	282.5	9999.0	9.481	30	6.53	4.69	29
WEATHERFORD	9422	4	73.4	29	-.3	90.	27	47.	8	3.5	-11.5	247.0	-29.0	9.203	30	5.92	3.25	29

SEPTEMBER 1986 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.090	30	99.99	1.94	29
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.180	30	99.99	1.85	29
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.132	30	99.99	2.12	30
BLANCHARD	830	5	75.4	30	999.0	89.	24	51.	8	.5	9999.0	313.0	9999.0	4.504	30	99.99	1.14	27
BRISTOW	1144	5	74.8	30	1.2	91.	19	50.	13	0.0	-22.0	295.5	12.5	12.410	30	8.41	4.26	29
CHANDLER	1684	5	75.0	30	.9	90.	23	53.	12	.5	-17.5	301.5	10.5	7.062	30	3.27	4.10	29
CHICKASHA RESCH STA	1750	5	76.6	30	2.7	91.	24	51.	8	0.0	-13.0	349.0	69.0	7.061	30	3.58	1.24	11
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.640	30	99.99	2.10	3
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.741	30	99.99	2.00	29
CUSHING	2318	5	75.0	29	1.4	91.	23	56.	7	0.0	-20.0	290.0	12.0	6.320	30	2.43	3.30	30
EL RENO	2818	5	74.3	30	.9	91.	23	50.	8	1.0	-14.0	279.5	12.5	8.650	30	5.04	4.50	29
GUTHRIE	3821	5	76.9	30	2.8	94.	23	54.	13	0.0	-15.0	357.5	69.5	8.880	30	4.90	5.00	30
HENNESSEY	4055	5	75.5	30	1.6	93.	27	53.	8	0.0	-14.0	316.0	35.0	9.862	30	6.47	4.43	30
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.772	30	99.99	5.72	30
SULPHUR	4861	5	75.5	30	1.3	93.	23	52.	8	2.0	-12.0	317.0	27.0	8.662	30	5.06	3.36	30
KINGFISHER CREEK	4862	5	75.8	29	999.0	93.	22	51.	14	0.0	9999.0	313.5	9999.0	8.682	30	99.99	3.36	30
UJC KINGFISHER	4864	5	75.8	29	999.0	93.	22	51.	14	0.0	9999.0	313.5	9999.0	8.472	30	99.99	3.36	30
KONAWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.490	30	4.37	2.19	11
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.730	30	4.22	3.92	30
MEEKER	5779	5	74.8	23	1.1	89.	24	52.	8	2.5	-14.5	228.5	-49.5	6.602	25	2.74	3.36	30
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.353	30	99.99	3.28	29
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.001	30	5.27	1.86	27
OILTON	6616	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.060	19	99.99	6.01	30
OKEMAH	6638	5	73.6	30	-.5	89.	15	52.	8	.5	-16.5	259.5	-30.5	6.920	30	3.12	1.30	11
OKLAHOMA CITY	6661	5	74.9	30	1.6	90.	23	52.	8	3.5	-11.5	300.5	36.5	7.904	30	4.49	2.16	30
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.990	30	2.77	3.82	30
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.430	30	99.99	4.00	29
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.643	30	6.85	4.26	30
PURCELL	7327	5	76.0	30	1.8	90.	18	51.	8	0.0	-12.0	330.5	42.5	6.610	30	2.64	2.15	11
SEMINOLE	8042	5	76.4	29	1.2	91.	19	53.	8	0.0	-10.0	330.0	14.0	6.840	29	2.82	2.44	11
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.811	30	5.07	2.63	30
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.820	30	99.99	1.54	29
STILLWATER	8501	5	74.5	29	1.4	93.	23	50.	12	4.0	-14.0	279.5	18.5	8.402	30	4.47	4.95	30
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.881	30	99.99	2.83	30
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.081	30	99.99	2.65	11
THOMAS	8815	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.690	30	99.99	3.00	30
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.462	30	5.70	3.12	28
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.352	30	99.99	3.55	30
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.081	30	2.96	2.38	11

SEPTEMBER 1986 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
MCALESTER	5664	6	76.2	30	2.0	91.	15	53.	12	0.0	-16.0	337.0	45.0	5.134	30	.17	1.66	4
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.391	30	99.99	2.00	27
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.610	30	99.99	4.11	30
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.345	30	99.99	3.90	30
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.913	30	-.41	.95	17
CHECOTAH	1711	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.005	30	5.55	3.20	11
CLAYTON	1858	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.195	30	99.99	2.12	4
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.532	30	3.22	2.18	30
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.440	30	99.99	2.16	11
EUFAULA	2993	6	75.7	30	999.0	88.	26	55.	8	0.0	9999.0	322.0	9999.0	7.310	30	3.11	2.63	17
HANNA	3884	6	74.8	30	999.0	88.	28	52.	8	0.0	9999.0	294.5	9999.0	4.873	30	.71	1.00	2
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.601	30	99.99	1.43	28
HASKELL	3956	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.110	30	4.14	4.56	30
HOLDENVILLE	4235	6	75.2	30	.6	91.	15	54.	12	0.0	-11.0	305.0	6.0	5.722	30	1.72	1.35	11
LAKE EUFAULA	4975	6	75.8	29	999.0	90.	19	53.	9	0.0	9999.0	312.0	9999.0	7.370	30	99.99	3.26	17
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	14.470	30	10.21	4.76	30
MCCURTAIN	5693	6	76.8	30	999.0	94.	19	53.	12	0.0	9999.0	354.0	9999.0	5.734	30	1.27	2.33	5
MUSKOGEE	6130	6	75.2	30	1.0	90.	19	53.	12	0.0	-17.0	304.5	11.5	10.870	30	6.75	3.92	30
OKMULGEE WATER WORK	6670	6	74.4	29	.9	89.	22	52.	12	1.0	-15.0	273.0	2.0	8.760	30	4.96	1.93	30
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.960	30	99.99	1.82	30
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.235	30	-1.18	.67	3
SALLISAW	7862	6	75.3	30	1.1	91.	27	51.	12	0.0	-10.0	309.5	23.5	9.273	30	4.86	3.40	17
SHORT	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.990	30	99.99	1.56	18
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.380	30	99.99	1.13	2
SCRAPER	7993	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.720	30	99.99	5.30	30
TAHLEQUAH	8677	6	74.3	30	1.4	89.	19	51.	12	0.0	-24.0	280.5	19.5	9.310	30	4.97	4.30	30
WEBBERS FALLS	9445	6	74.5	29	1.0	89.	27	53.	13	0.0	-15.0	274.5	4.5	5.273	30	.93	1.21	17
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.636	30	2.62	2.80	11

SEPTEMBER 1986 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS AG	179	7	75.6	30	.2	93.	25	52.	8	1.0	-6.0	320.0	1.0	5.960	30	3.11	3.00	29
ALTUS DAM	184	7	74.9	29	999.0	98.	23	52.	8	8.0	9999.0	296.0	9999.0	9.491	30	6.75	3.70	29
ANADARKO	224	7	75.1	29	.6	91.	24	49.	8	2.0	-11.0	295.5	-2.5	6.570	30	3.23	2.25	29
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.347	30	99.99	2.38	29
CARNEGIE	1504	7	75.5	30	1.1	91.	24	49.	8	1.5	-12.5	316.5	20.5	7.030	30	3.67	3.95	29
CHATTANOOGA	1706	7	76.0	30	.3	93.	27	54.	10	0.0	-8.0	330.5	1.5	6.794	30	3.72	1.73	1
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.473	30	99.99	1.93	5
FREDERICK	3353	7	74.6	29	-2.0	93.	28	54.	20	4.5	-2.5	283.5	-71.5	5.510	30	2.51	1.59	4
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.560	30	7.11	2.50	1
HOLLIS	4249	7	73.9	26	-1.4	92.	23	53.	8	1.0	-5.0	231.5	-83.5	4.490	26	1.81	1.22	14
HOBART	4204	7	73.9	28	.1	92.	24	50.	8	10.5	-5.5	259.0	-21.0	9.891	28	7.02	4.46	29
LAWTON	5063	7	75.5	29	.4	91.	26	53.	7	2.5	-3.5	306.0	-3.0	5.821	26	2.84	1.80	3
FT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.681	30	3.70	2.80	4
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.061	30	99.99	3.39	5
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.710	30	99.99	6.17	29
MANGUM RS STA	5509	7	74.2	30	-.8	93.	27	49.	8	4.0	-2.0	278.5	-24.5	9.030	30	6.25	4.00	29
RANDLETT	7403	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.730	30	99.99	2.03	7
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.370	30	5.59	2.64	29
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.781	30	99.99	3.00	29
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.114	30	6.30	1.72	4
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.420	30	.55	.91	15
WALTERS	9278	7	77.0	30	.8	92.	17	53.	8	0.0	-13.0	360.5	11.5	12.110	30	8.85	2.60	14
WICHITA MT WL REF	9629	7	72.2	29	-1.5	90.	25	47.	12	6.5	-6.5	216.0	-58.0	10.550	30	7.44	4.20	16
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.630	30	99.99	2.00	29

SEPTEMBER 1986 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

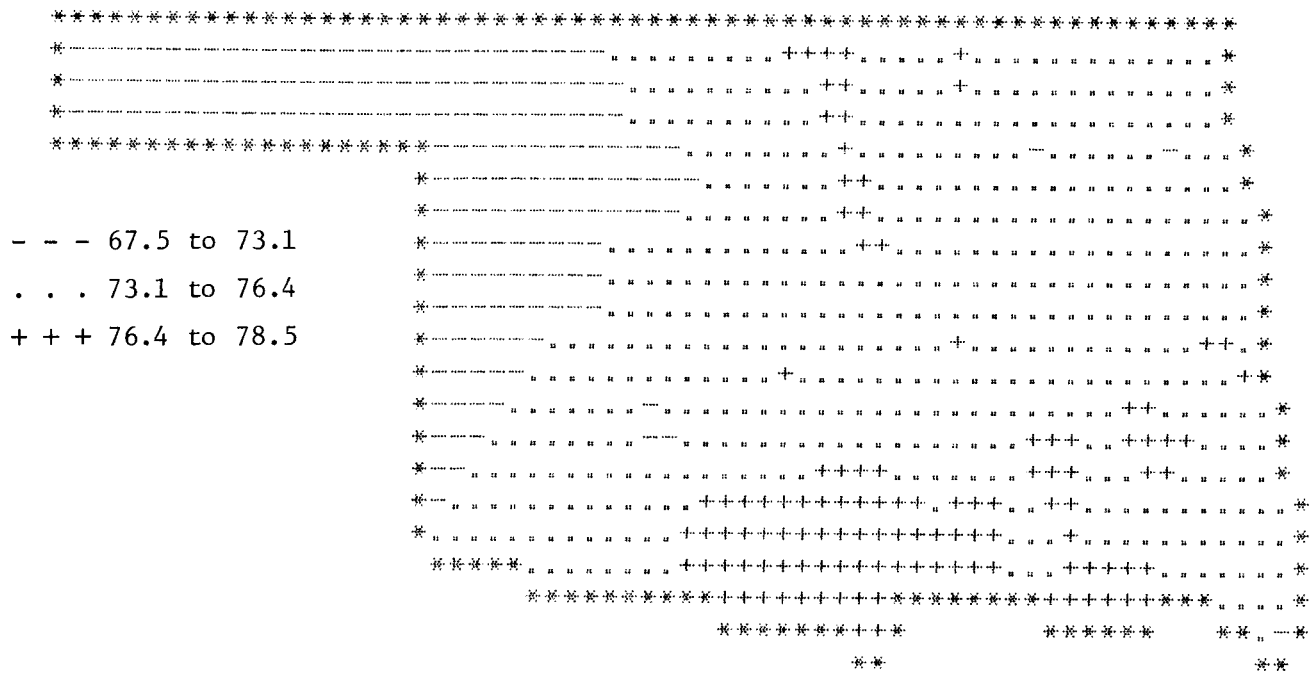
NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	75.3	30	.8	90.	21	52.	8	0.0	-12.0	310.5	10.5	4.205	30	.19	.90	27
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.600	30	99.99	.80	30
ARDMORE	292	8	77.5	30	.3	91.	16	54.	8	0.0	0.0	376.0	5.0	4.780	30	.85	2.06	5
ATOKA DAM	394	8	77.3	29	999.0	93.	15	57.	15	0.0	9999.0	356.0	9999.0	9.431	30	99.99	6.60	5
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.200	30	99.99	2.02	6
CANEY	1437	8	75.0	29	999.0	89.	27	55.	8	0.0	9999.0	290.5	9999.0	6.510	30	99.99	3.30	5
CHICKASAW NRA	1745	8	75.6	29	999.0	90.	17	52.	12	0.0	9999.0	307.0	9999.0	8.600	30	99.99	2.20	5
COLEMAN	2011	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.030	30	99.99	7.13	4
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.742	30	99.99	2.52	5
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.704	30	-1.00	2.72	5
DURANT USDA	2678	8	77.5	27	999.0	93.	28	55.	12	0.0	9999.0	338.0	9999.0	5.190	30	-.42	2.48	5
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.571	30	99.99	2.50	30
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	10.780	30	99.99	5.89	5
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.540	30	99.99	2.36	5
HEALDTON	4001	8	77.0	30	999.0	91.	19	53.	8	0.0	9999.0	359.0	9999.0	7.190	30	3.10	2.53	5
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.340	30	99.99	2.00	29
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.392	30	.72	2.71	5
LEHIGH	5100	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.796	30	99.99	5.22	5
LINDSAY	5220	8	76.1	30	999.0	91.	18	52.	9	0.0	9999.0	332.5	9999.0	0.000	30	99.99	0.00	30
MADILL	5468	8	78.0	30	2.1	98.	27	56.	12	0.0	-7.0	389.5	55.5	5.761	30	1.16	3.00	5
MARIETTA	5563	8	78.5	30	2.6	94.	15	57.	12	0.0	-10.0	406.0	69.0	5.160	30	1.17	3.70	5
MARLOW	5581	8	75.9	30	999.0	90.	27	51.	8	0.0	9999.0	327.0	9999.0	8.411	30	4.75	2.73	4
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.750	30	99.99	2.05	4
PAULS VALLEY	6926	8	76.3	30	.7	90.	18	53.	8	0.0	-9.0	340.0	13.0	9.323	30	5.65	3.15	3
TISHOMINGO	8884	8	75.2	17	999.0	92.	15	51.	12	1.5	9999.0	175.5	9999.0	5.590	30	.72	3.04	5
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.992	30	99.99	2.24	15
WAURIKA	9395	8	77.2	30	.7	92.	24	54.	8	0.0	-6.0	366.5	15.5	11.641	30	8.24	2.71	4

SEPTEMBER 1986 SUMMARY FOR SOUTHEAST DIVISION (CD9)

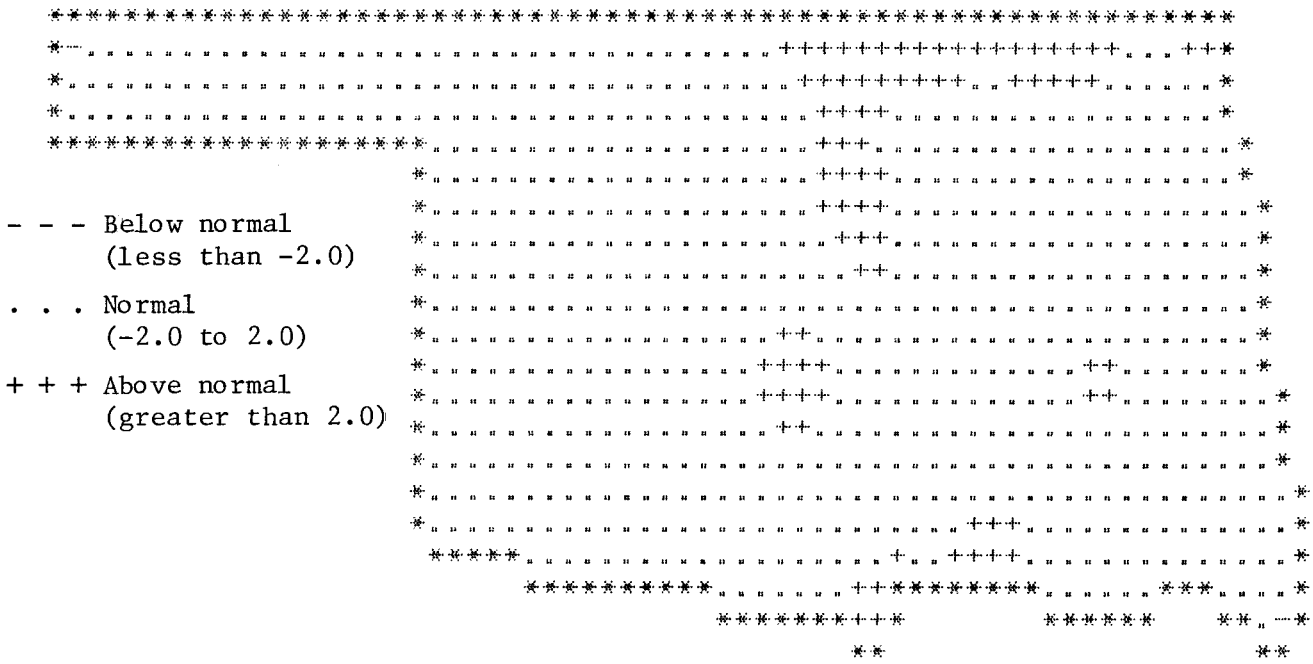
NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	75.5	30	1.1	92.	21	50.	13	0.0	-9.0	316.0	25.0	1.080	30	-4.19	1.08	16
BATTIEST	567	9	75.2	30	999.0	90.	15	53.	13	0.0	9999.0	306.5	9999.0	3.841	30	99.99	1.04	4
BEAR MT	584	9	76.6	19	999.0	92.	27	55.	19	0.0	9999.0	220.5	9999.0	6.511	30	1.27	2.67	5
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.600	30	99.99	1.05	5
BOSWELL	980	9	77.2	30	999.0	93.	27	56.	12	0.0	9999.0	366.0	9999.0	5.175	30	.26	1.81	4
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.760	30	2.04	1.96	5
BROKEN BOW DAM	1168	9	75.4	29	999.0	93.	15	56.	13	0.0	9999.0	300.5	9999.0	4.760	30	99.99	.93	4
BUFFALO TOWER	1251	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.290	30	99.99	1.76	4
CARNASAW	1499	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.010	30	.02	1.31	29
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.510	30	.55	2.10	4
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.100	30	-1.58	1.42	4
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.111	30	-2.41	.80	4
HEE MT TW	4017	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.690	30	99.99	1.76	5
HUGO	4384	9	77.4	30	1.6	98.	12	55.	1	0.0	0.0	373.0	45.0	3.772	30	-1.38	1.38	5
IDABEL	4451	9	76.0	26	1.1	92.	15	58.	15	0.0	-6.0	286.0	-17.0	5.540	28	1.01	1.75	6
JADIE TOWER	4560	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.561	30	99.99	3.20	6
POTEAU	7254	9	76.4	29	999.0	92.	26	53.	12	0.0	9999.0	330.0	9999.0	2.920	30	99.99	.78	4
SMITHVILLE	8285	9	74.1	24	999.0	89.	15	47.	7	5.5	9999.0	223.0	9999.0	1.840	23	99.99	.87	12
SOBAL TOWER	8305	9	75.4	29	999.0	89.	15	62.	13	0.0	9999.0	301.5	9999.0	6.291	30	.87	2.65	5
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.990	30	-1.04	1.10	17
TUSKAHOMA	9023	9	77.0	30	999.0	92.	15	52.	12	0.0	9999.0	360.5	9999.0	4.314	30	99.99	1.55	4
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.072	30	.09	2.12	6
WILBURTON	9634	9	75.0	30	1.3	94.	27	50.	13	0.0	-16.0	301.0	24.0	2.763	30	-2.18	1.05	3
WISTER DAM AG	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.771	9	99.99	1.59	4
ZOE	9985	9	75.0	26	999.0	90.	15	51.	14	0.0	9999.0	259.0	9999.0	2.941	28	-1.63	.82	6

SEPTEMBER 1986 CLIMATE DIVISION SUMMARY

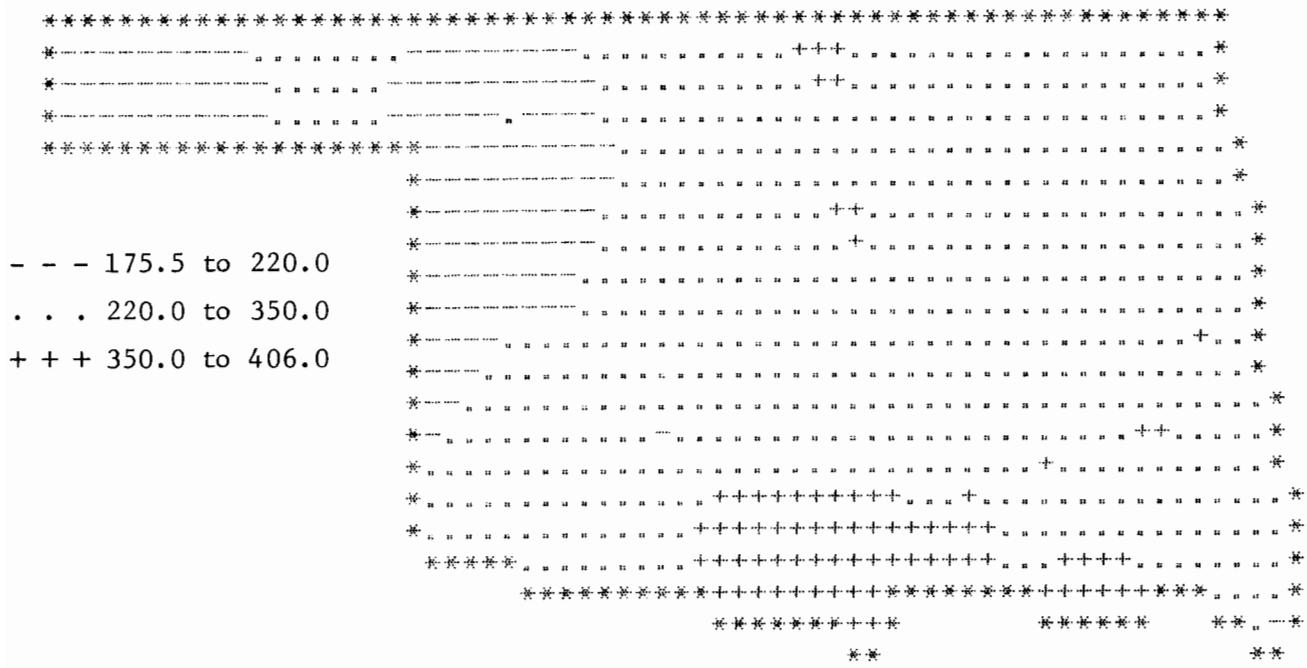
CLIMATE DIV	MEAN TEMP	NUM STA	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEGREE DAYS	DEV FROM NORM	COOL DEGREE DAYS	DEV FROM NORM	TOT PPT	NUM STA	DEV FROM NORM	MAX 24-HR	DAY
1	71.5	10	.8	101.0	17	38.0	27	20.4	-9.2	211.7	12.4	1.71	13	-.04	1.77	21
2	74.4	14	1.5	97.0	15	47.0	9	7.4	-12.5	284.3	25.9	7.35	23	4.26	7.40	30
3	74.5	19	1.7	94.0	23	47.0	12	2.8	-20.2	284.1	26.5	11.55	35	7.23	10.42	29
4	72.8	11	-.6	93.0	20	47.0	8	8.6	-8.4	235.3	-32.9	8.11	19	5.32	6.69	29
5	75.4	16	1.5	94.0	23	50.0	12	.8	-15.0	309.1	26.6	7.96	37	4.16	6.01	30
6	75.3	11	1.4	94.0	19	51.0	12	.1	-15.5	306.0	24.3	7.15	28	2.88	5.30	30
7	75.0	11	-.1	98.0	23	47.0	12	3.7	-6.2	296.5	-15.0	7.16	24	4.16	6.17	29
8	76.7	13	.8	98.0	27	51.0	12	0.0	-7.3	346.0	9.4	6.86	27	2.51	7.13	4
9	76.1	9	1.4	98.0	12	47.0	7	0.0	-7.7	328.3	28.6	4.29	23	-.57	3.20	6



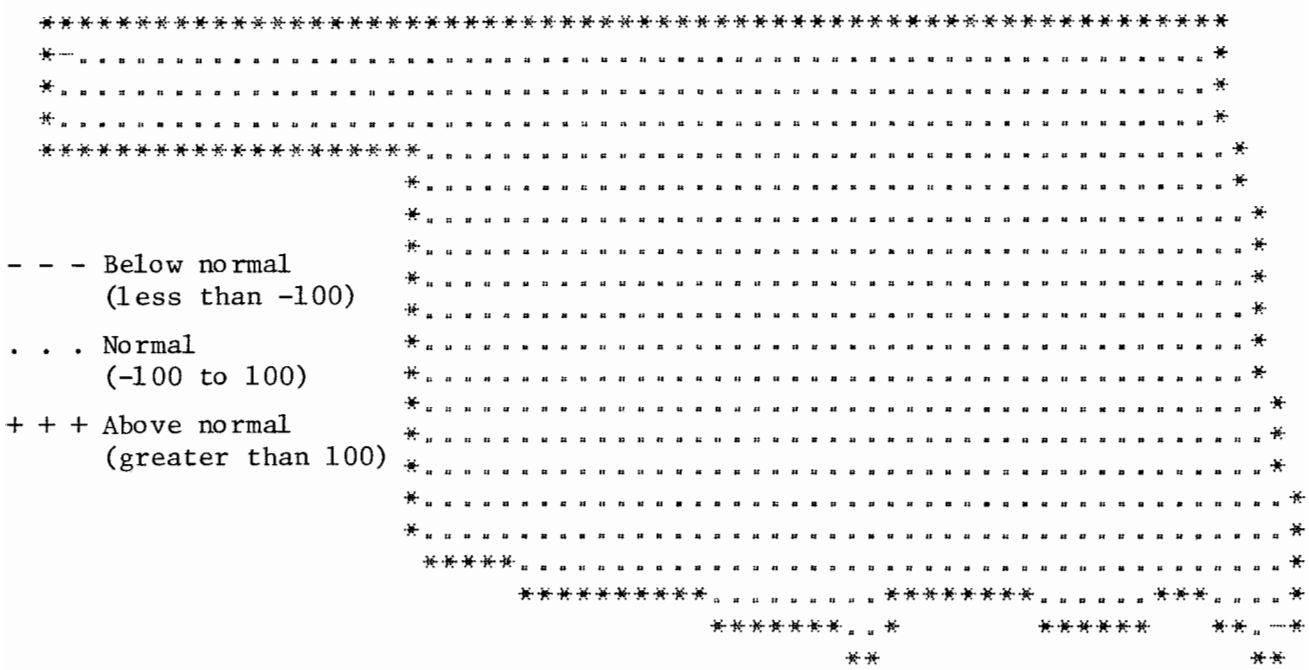
SEPTEMBER 1986 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)



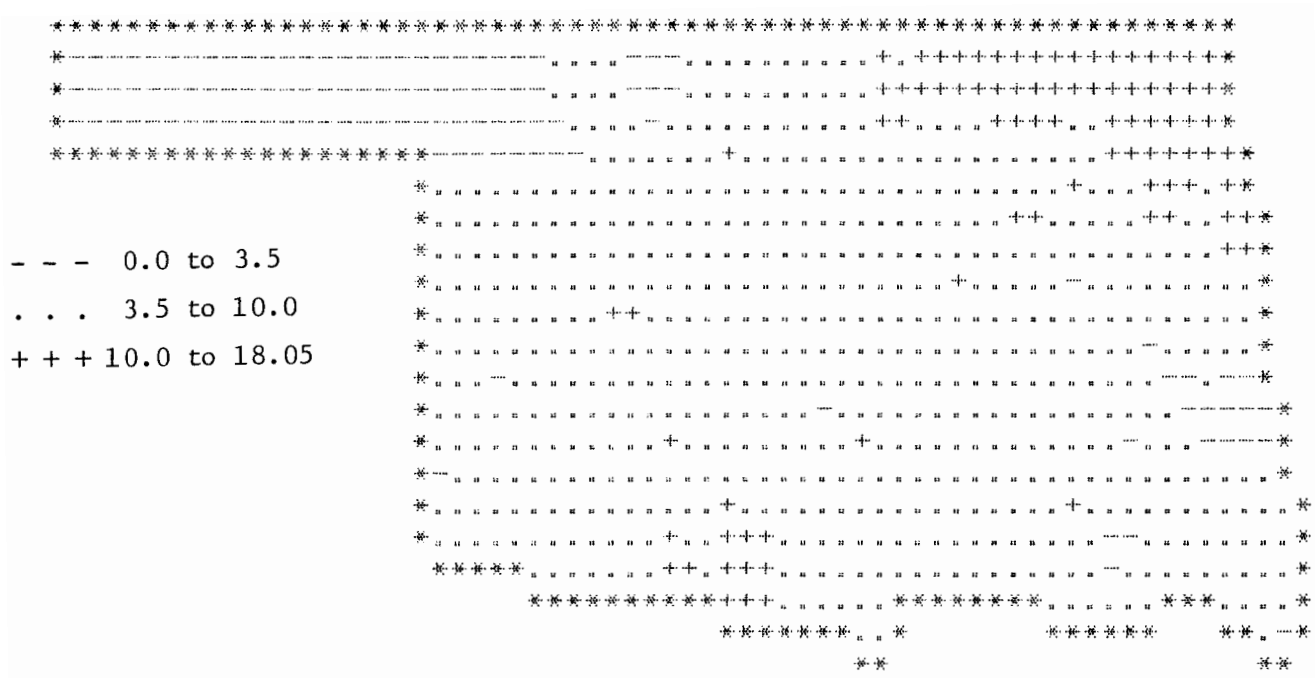
SEPTEMBER 1986 DEVIATION FROM NORMAL TEMPERATURE



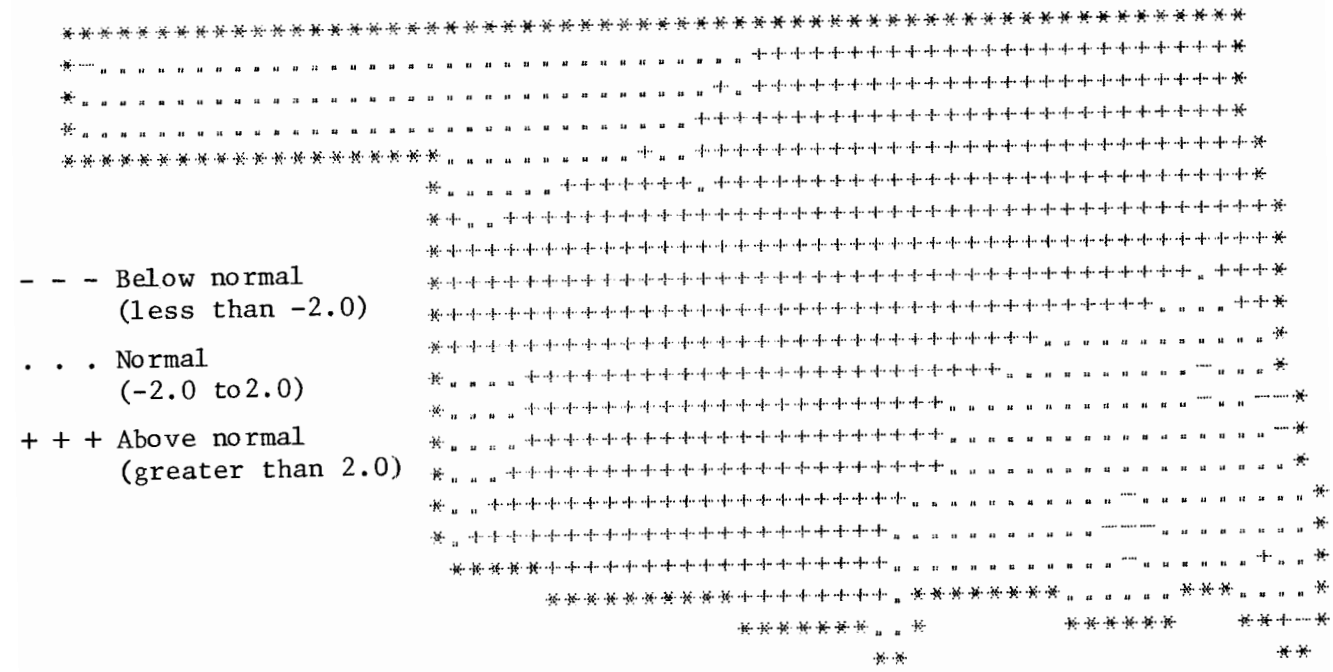
SEPTEMBER 1986 COOLING DEGREE DAYS



SEPTEMBER 1986 DEVIATION FROM NORMAL COOLING DEGREE DAYS



SEPTEMBER 1986 TOTAL PRECIPITATION
(INCHES)



SEPTEMBER 1986 DEVIATION FROM NORMAL PRECIPITATION