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 1985

Portions of Oklahoma suffered under a second wet winter month during February. Snow from a storm which began at the end of January was combined with several additional wet weather systems to make this a record wet February at many locations (see Table 1). Even more unusual is to have two such wet months occurring together. Table 2 contains a list of January-February 1985 rainfall totals and past records. For all the locations in Table 2, we must go back to 1949 to find as wet a combined January and February. Statewide, temperatures averaged below expected February conditions. These cool temperatures were accompanied by a generally larger than expected number of heating degree days. As is highlighted later in the summary discussion, February precipitation was normal or above normal across the entire State. A corridor of much above normal precipitation totals can be noted running northeast to southeast, from the northeastern corner of the State to east central Oklahoma.

Oklahoma City set several new daily temperature and precipitation records. Four of them were observed at temperature extremes. There was one new 24-hour precipitation record set. The new records are given below:

Day	Record	Old Record	Year	New Record
1	lowest max. temp.	17 F	1951	16 F
2	lowest max. temp.	28 F	1936	24 F
22	highest min. temp.	56 F	1949	58 F
23	highest min. temp.	51 F	1930	53 F
23	24-hour precip.	.25"	1941	1.88"

Oklahoma City also set a new 36-year February precipitation record, 3.656 inches. The former record, 3.230 inches occurred in 1978. Although January 1985 was also very damp, the January-February

Table 1. Selected Stations Setting New February Precipitation Records in 1985 (period of record = 1948-1983)

Station Name	Old Record (in.)	Year	New Record (in.)
Billings	3.040	1975	3.441
Bristow	4.130	1951	6.102
Chandler	3.500	1971	6.206
Cushing	3.770	1978	5.911
Duncan	3.210	1950	5.500
Grandfield	3.220	1953	4.080
Hollow	4.280	1951	6.782
Hominy	2.690	1975	7.850
Marlow	3.520	1950	5.941
Newkirk	3.260	1951	4.612
Norman	3.880	1983	6.473
Pawhuska	2.940	1951	6.212
Perry	3.270	1983	4.171
Purcell	4.000	1983	6.874
Ralston	3.220	1983	5.413
Reydon	3.340	1960	4.350
Skiatook	4.020	1951	7.292
Shawnee	4.590	1983	6.693
Vinita	4.500	1951	7.671

Table 2. Selected Sations Which Set New January And February (2 months) Total Precipitation Records in 1985 (period of record = 1948-1983).

Station Name	Old Record (in.)	Year	New Record (in.)
Hollow	7.710	1949	10.062
Hominy	8.600	1949	10.800
Ralston	6.800	1949	7.766
Skiatook	7.410	1949	9.074
Vinita	10.010	1949	11.632
Reydon	4.890	1949	5.190
Norman	8.420	1949	9.914
Purcell	8.670	1949	10.036
Duncan	5.760	1949	7.270

precipitation total of 6.10 inches was only close to a new record, ranking second wettest in 36 years. The wettest January-February at Oklahoma City was in 1949, when 6.41Ø inches were recorded. Similar record precipitation information for selected stations across the State can be found in Tables 1 and 2.

The earliest February storm was the remains of a system which began moving through the State at the end of January. Heavy snow and gusting winds left parts of southeastern Oklahoma under more than 9 inches of snow. Earlier, on its way to central and southeastern Oklahoma, the storm system left 3 to 5 inches of snow in the panhandle and was accompanied by 3Ø to 35 mph winds. This late January-early February storm system was quickly followed by another area of low pressure. This system was not a significant producer of snow but another following behind it was.

Between 4 to 6 inches of snow fell on northeastern Oklahoma on February 4. Three inches of snow were reported at McAlester which brought their 7-day snow total to one foot. Map 1 is a presentation of 24-hour snowfall ending at 6AM February 5. The recorded maximum snowfall was 6.3 inches at Vinita. After nearly a week of ice, snow and freezing temperatures a slow warming trend began which lasted for much of the month.

The next major weather event was the series of rainstorms which plagues the State between February 2Ø and 24. A special presentation of this precipitation event follows the Summary discussion. The persistent rainfall was the result of a series of weak low pressure areas moving in quick succession across the State in the presence of plentiful Gulf moisture. The result was 4 days of nearly continuous rainfall. As early as February 22 flash flood watches were issued for northeastern Oklahoma when Bird Creek in Tulsa and Creek Counties began to overflow its banks. By early February 23, 5.5 inches of rain had fallen on the already saturated area. High water from Bird Creek forced many families to evacuate their homes in the Bristow, Vinita, Miami, Bartlesville and Skiatook areas. A tornado touched down in Atoka County early on the morning of February 24. Damage resulting from the hop-scotching funnel was estimated at $4ØØ,ØØØ. Another tornado touched down near Frederick. No damage was reported. Precipitation maxima during this four day series of storms were reported at Ramona (7.28"), Ingalls (7.41"), Hominy (7.65") and Stella (9.17").

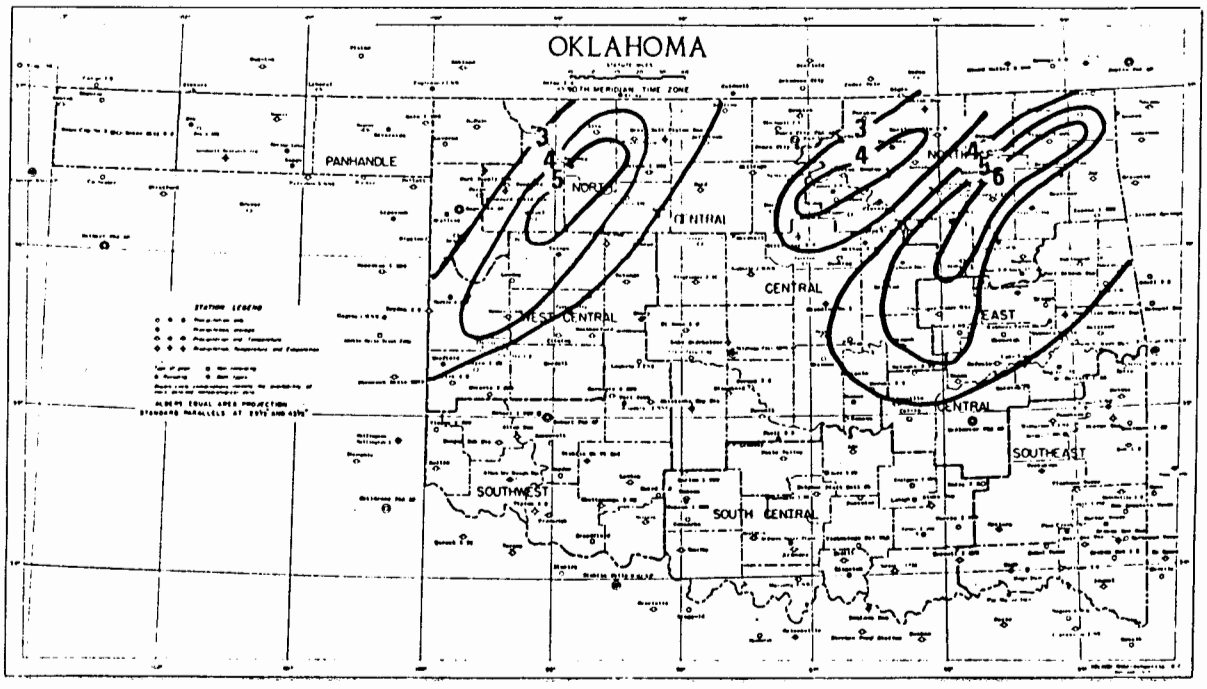
Damage to county highways and bridges from these and earlier storms has been widespread. Road repairs have been further complicated by soft, wet ground keeping the necessary heavy equipment from its work site. Federal disaster aid for road and bridge repair was sought by Congressman Wes Watkins for Pottawatomie and Lincoln Counties. Nineteen bridges in Pottawatomie county were destroyed as a result of the rains and total damage is expected to exceed that from the October 1983 flood.

TABLE OF 1984/1985 FEBRUARY COMPARISONS

Station	February Temperatures (F) 1984	1985	February Precipitation (in.) 1984	1985
Goodwell	39.3	33.8	1.07	1.59
Lahoma	42.6	31.3	1.85	1.39
Mutual	42.8	31.5	.76	2.84
Tulsa	47.3	36.6	1.95	2.80
Elk City	45.1	37.3	1.53	3.12
Oklahoma City	46.3	37.1	1.16	3.66
McAlester	47.8	38.1	2.90	3.72
Altus Irr. Sta.	44.9	42.0	.52	1.86
Durant	46.9	42.9	2.84	2.67
Ada	46.1	37.8	1.98	2.42
Tuskahoma	47.9	41.2	4.25	5.11

FEBRUARY EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Waynoka	2	-8	6
	Sallisaw	6	-8	6
	Waurika	8	-8	2
Maximum temperature (F)	Guymon	1	79	15
Maximum 24-hour precipitation	Stella	5	7.46"	23



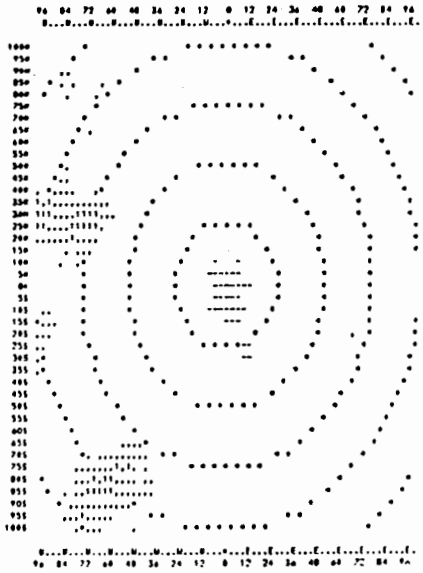
Map 1. Snow (inches) Observed Between 6:00 a.m. February 4 and 6:00 a.m. February 5, 1985.

SPECIAL DISCUSSION

The series of figures which follow are reproductions of 3-hourly National Weather Service RADAP II radar scans. Each grid circle represents 50 miles moving outward from the center at Will Rogers Airport, Oklahoma City. The east-west and north-south grids are labeled in miles. The values printed represent 3-hour radar estimated rainfall accumulations. For this presentation these values are not representative due to missed observations within each 3-hour observation period. The values are reproduced here to illustrate the time-of-day significant rainfall was first detected, i.e., a scan with values other than commas, the last 3-hour scan containing significant radar echoes and, for two days February 21 and 23 the distribution and movement of the rainfall areas. The map which follows the radar accumulations is a 4-day total precipitation map based on cooperative reports between February 21 and 24, 1985. This will capture precipitation which fell between 6:00 a.m. February 20 and 6:00 a.m. February 24.

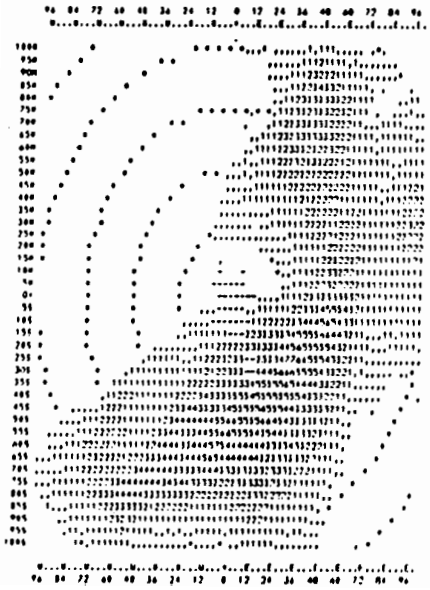
FIRST SIGNIFICANT RAIN

0600 to 0900 LST 2-20-85

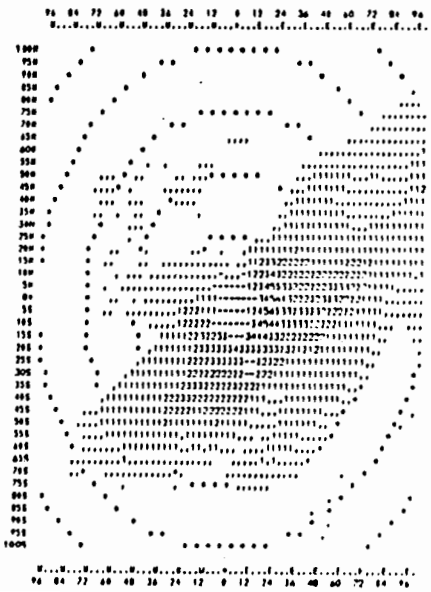


1500 2-20-85 to 1800 LST 2-21-85

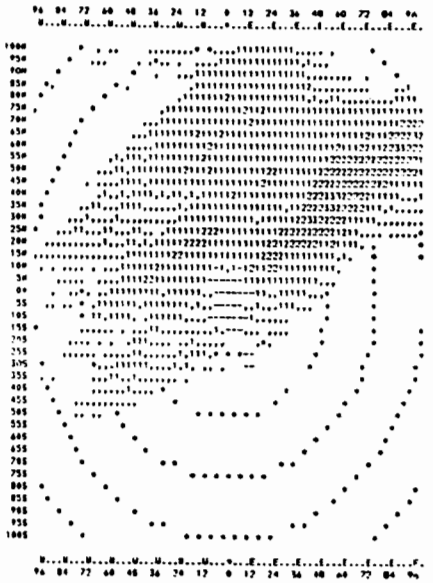
1800 to 2100 LST 2-21-85



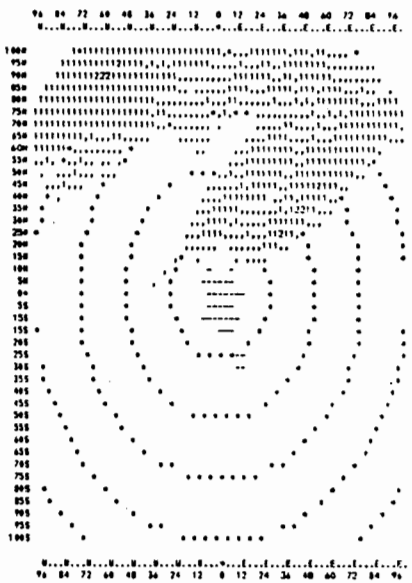
1200 to 2400 LST 2-21-85



2400 to 0300 LST 2-21-85



0300 to 0600 LST 2-21-85



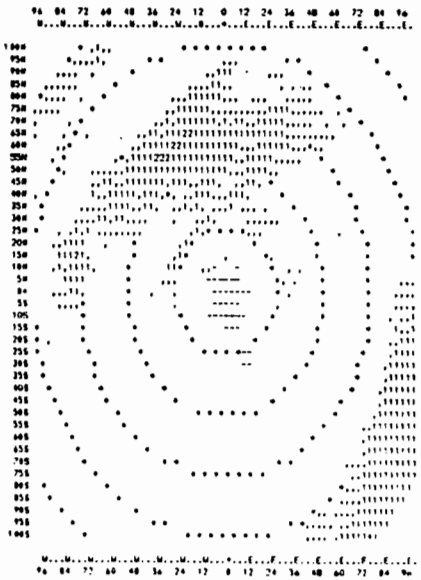
0600 to 0900 LST 2-21-85

1800 to 2100 LST 2-23-85

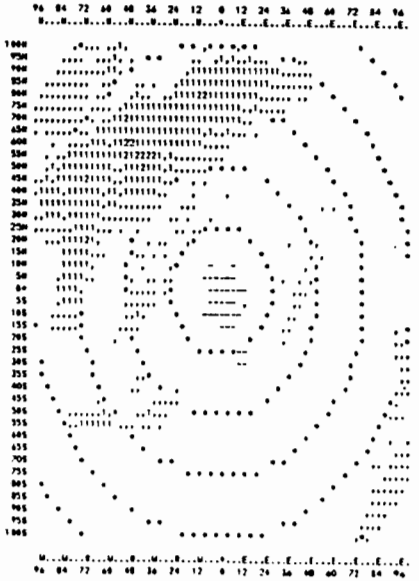
0300 to 0600 LST 2-23-85

0600 to 0900 LST 2-23-85

0900 to 1200 LST 2-23-85

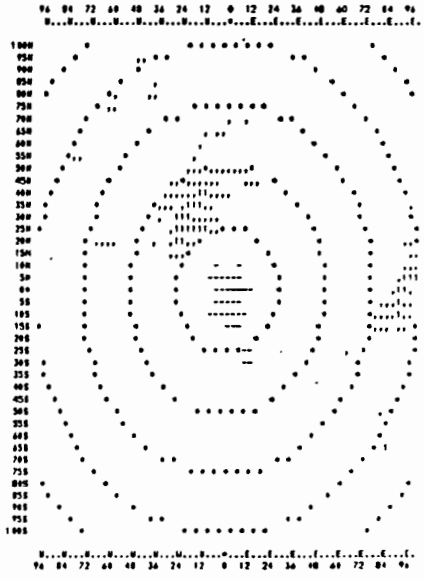


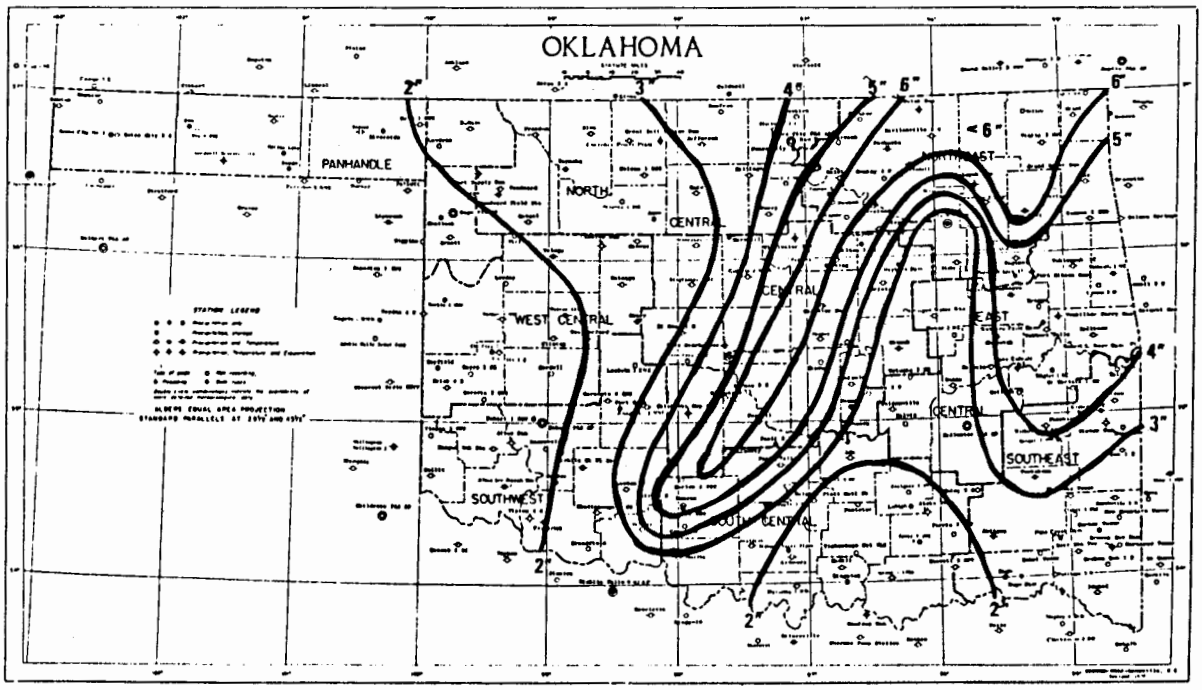
1200 to 1500 LST 2-23-85



1500 2-23-85 to 1800 LST 2-24-85

1800 to 2100 LST 2-24-85





Map 2. Precipitation Totals from 6:00 a.m. February 21 until 6:00 a.m. February 24, 1985

FEBRUARY 1985 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ARNETT	332	1	33.6	27	-4.6	64.	21	0.	1	848.5	98.5	0.0	0.0	2.011	28	1.34	.84	24
BOISE CITY	908	1	36.2	28	-2.1	71.	15	-7.	2	807.5	59.5	0.0	0.0	.250	28	-.24	.10	23
BUFFALO	1243	1	35.5	28	-4.9	69.	15	-4.	2	825.0	136.0	0.0	0.0	3.510	28	2.59	1.60	23
GAGE	3407	1	35.4	28	-2.9	73.	22	-2.	2	830.0	82.0	0.0	0.0	2.074	28	1.25	.82	23
GATE	3489	1	36.4	27	999.0	73.	14	0.	1	773.0	9999.0	0.0	9999.0	2.470	27	99.99	.95	20
GOODWELL RES. STA.	3628	1	33.8	27	-4.8	74.	15	-5.	2	842.0	103.0	0.0	0.0	1.589	28	1.28	.59	21
GUYMON	3835	1	36.6	27	999.0	79.	15	-4.	2	766.0	9999.0	0.0	9999.0	1.143	28	99.99	.56	21
KENTON	4289	1	33.4	28	999.0	75.	16	-1.	2	886.0	9999.0	0.0	9999.0	1.700	28	.31	.88	21
KENTON	4766	1	33.5	27	-5.1	74.	15	-10.	2	849.5	110.5	0.0	0.0	.124	28	-.16	.12	24
LAVERNE	5045	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.834	28	1.95	1.03	21
REGNIER	7534	1	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.070	28	-.20	.04	22
TURPIN	9017	1	33.3	27	999.0	73.	15	1.	1	855.5	9999.0	0.0	9999.0	2.310	28	99.99	1.05	21

FEBRUARY 1985 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALVA	194	2	35.6	28	999.0	67.	21	2.	1	822.5	9999.0	0.0	9999.0	2.650	28	99.99	.66	22
BILLINGS	755	2	34.3	27	999.0	64.	21	2.	6	829.0	9999.0	0.0	9999.0	3.441	28	2.22	1.15	23
BLACKWELL	818	2	34.8	27	999.0	62.	20	-2.	6	815.0	9999.0	0.0	9999.0	4.417	28	99.99	2.09	22
BRAMAN	1075	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.261	28	99.99	1.85	22
CEDARDALE	1620	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.071	28	99.99	.86	22
CHEROKEE POWER PLAN	1724	2	36.1	28	-3.8	67.	21	-7.	6	808.0	105.0	0.0	0.0	3.640	28	2.72	.99	5
ENID	2912	2	36.1	28	-4.6	64.	21	5.	1	809.5	129.5	0.0	0.0	2.500	28	1.34	1.00	23
FORT SUPPLY DAM	3304	2	33.6	27	-6.2	68.	21	1.	1	847.0	141.0	0.0	0.0	3.960	28	3.11	1.85	23
FREEDOM	3358	2	35.9	28	999.0	70.	21	-2.	2	815.5	9999.0	0.0	9999.0	2.080	28	99.99	.82	23
HARDY	3909	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.223	27	99.99	1.24	22
HELENA	4019	2	33.5	27	999.0	65.	21	-2.	6	850.5	9999.0	0.0	9999.0	2.742	28	1.74	.91	22
JEFFERSON	4573	2	35.4	28	-4.2	64.	21	-3.	6	829.0	118.0	0.0	0.0	3.710	28	2.74	2.49	21
LAHOMA AG.	4950	2	31.3	23	999.0	62.	21	1.	1	775.5	9999.0	0.0	9999.0	1.390	25	99.99	.88	22
LAMONT	5013	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.561	28	99.99	1.38	22
MEDFORD	5768	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.130	28	99.99	2.10	21
MORRISON	6065	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.470	28	99.99	2.22	23
MUTUAL	6139	2	31.5	23	-7.7	66.	21	-5.	6	770.0	48.0	0.0	0.0	2.841	28	1.91	1.13	22
NEWKIRK	6278	2	34.5	28	-4.4	61.	22	0.	6	853.0	122.0	0.0	0.0	4.612	28	3.51	1.63	21
ORIENTA	6751	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.700	28	99.99	.64	23
PERRY	7012	2	37.0	28	-4.5	65.	22	2.	6	785.0	127.0	0.0	0.0	4.171	28	2.85	1.85	23
PONCA CITY	7201	2	35.2	28	-2.5	62.	25	1.	6	834.0	70.0	0.0	0.0	2.464	27	1.24	.86	22
RED ROCK	7505	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.000	28	1.61	1.48	23
RENFROW	7556	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.030	28	2.02	1.26	22
WAYNOKA	9404	2	34.7	28	-5.9	67.	22	-8.	6	848.5	165.5	0.0	0.0	2.200	28	1.22	1.40	22
WOODWARD	9760	2	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.262	28	1.30	.88	24

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

FEBRUARY 1985 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX 24-HR DAY
AVANT	418	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.650	28	99.99	4.60	23
CHELSEA	1717	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.610	28	99.99	5.58	23
CLEVELAND	1902	3	35.1	24	999.0	65.	22	-2.	7	717.5	9999.0	0.0	9999.0	6.271	25	99.99	4.28	23
FORAKER	3250	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.391	28	2.17	1.96	23
HOLLOW	4258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.782	28	5.23	5.00	23
HOMINY	4289	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.850	28	6.46	4.45	23
HULAH DAM	4393	3	34.7	15	-2.9	62.	21	-9.	6	455.0	-312.0	0.0	0.0	0.000	28	-1.17	0.00	28
JAY TOWER	4567	3	35.5	28	999.0	63.	28	-2.	6	825.0	9999.0	0.0	9999.0	3.820	28	99.99	2.20	24
KANSAS	4672	3	36.0	26	999.0	65.	22	-2.	6	755.0	9999.0	0.0	9999.0	3.943	28	99.99	1.95	23
KEYSTONE DAM	4812	3	33.9	27	999.0	65.	22	2.	1	838.5	9999.0	0.0	9999.0	0.000	28	99.99	0.00	28
MANNFORD	5522	3	36.5	28	999.0	68.	22	-3.	6	798.0	9999.0	0.0	9999.0	6.071	28	99.99	3.88	23
MARAMEC	5540	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.171	28	4.77	3.96	23
MIAMI	5855	3	33.2	27	-6.6	65.	21	-4.	5	858.0	152.0	0.0	0.0	7.832	28	5.95	5.78	22
ONETA	6713	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.993	28	99.99	3.12	23
PAWHUSKA 2	6937	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.212	28	99.99	3.24	23
PAWNEE	6940	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.110	28	5.80	4.15	23
PRYOR	7309	3	32.4	27	-7.6	66.	22	-3.	6	879.0	179.0	0.0	0.0	6.476	28	4.70	5.24	23
QUAPAW	7358	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.613	28	4.79	5.70	23
RALSTON	7390	3	35.1	28	999.0	61.	21	-4.	6	838.0	9999.0	0.0	9999.0	5.413	28	4.11	2.50	23
RAMONA	7394	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	8.640	28	99.99	6.16	23
SKIATOOK	8258	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.292	28	5.66	3.91	26
SPAVINAW	8380	3	35.6	28	999.0	67.	22	-2.	6	822.5	9999.0	0.0	9999.0	4.464	28	2.67	3.08	23
VINITA	9203	3	34.0	28	-5.8	66.	22	-7.	6	867.0	161.0	0.0	0.0	7.671	28	5.86	5.69	23
SPAVINAW AG	8382	3	33.3	28	999.0	67.	23	-2.	7	887.0	9999.0	0.0	9999.0	4.503	28	99.99	3.08	23
TULSA	8992	3	36.6	28	-4.1	67.	22	4.	6	795.0	115.0	0.0	0.0	2.796	28	1.06	1.24	23
UPPER SPAVINAW	9101	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.103	28	99.99	2.38	23
WAGONER	9247	3	36.7	28	-5.5	67.	22	-1.	6	792.5	154.5	0.0	0.0	2.951	28	1.06	2.10	23
WANN	9298	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.300	28	99.99	3.96	23
WYNONA	9792	3	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.006	28	99.99	4.95	22

FEBRUARY 1985 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	DIV	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX 24-HR DAY
CANTON DAM	1445	4	34.8	14	-6.1	67.	21	2.	4	422.5	-252.5	0.0	0.0	1.680	26	.72	1.15	25
CHEYENNE	1738	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.893	28	99.99	1.14	22
CLINTON	1909	4	39.3	28	-2.1	69.	9	3.	1	720.0	59.0	0.0	0.0	1.452	28	.41	.60	23
COLONY	2039	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.680	28	99.99	1.06	21
CORDELL	2125	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.932	28	.90	1.01	23
ELK CITY	2849	4	37.3	28	999.0	70.	9	2.	2	774.5	9999.0	0.0	9999.0	3.115	28	2.16	2.02	23
ERICK	2944	4	38.9	28	-3.1	70.	22	1.	2	731.5	87.5	0.0	0.0	1.510	28	.65	.47	24
GEARY	3497	4	37.4	28	-3.7	67.	22	4.	1	773.5	104.5	0.0	0.0	2.980	28	1.86	.88	23
HAMMON	3871	4	35.2	27	-5.7	69.	22	-1.	3	805.0	130.0	0.0	0.0	3.401	28	2.49	1.50	23
LEEDEY	5090	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.731	28	1.83	1.33	22
MORAVIA	6035	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.760	28	.80	.82	23
OILTON	6616	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.970	28	99.99	3.77	23
OKEENE	6629	4	36.8	28	-4.8	66.	21	5.	6	790.5	135.5	0.0	0.0	2.630	28	1.69	1.40	23
RETROP	7565	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.020	28	99.99	.80	23
REYDON	7579	4	36.5	28	999.0	68.	9	-5.	2	797.0	9999.0	0.0	9999.0	4.350	28	3.56	2.58	22
SAYRE	7952	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.632	28	.91	1.02	23
SWEETWATER	8652	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.970	28	99.99	.93	22
TALOGA	8708	4	37.1	28	-3.0	68.	21	-1.	2	780.5	83.5	0.0	0.0	2.071	28	1.13	.70	22
THOMAS	8815	4	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.120	28	99.99	.85	23
WATONGA	9364	4	37.6	28	999.0	69.	21	4.	1	767.5	9999.0	0.0	9999.0	2.483	28	1.43	1.32	23
WEATHERFORD	9422	4	35.5	27	-6.2	68.	21	1.	2	796.0	144.0	0.0	0.0	2.205	28	1.22	.94	23

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

FEBRUARY 1985 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	1.700	28	99.99	1.30	21
ARCADIA	288	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.320	28	99.99	2.63	23
TINKER AFB	325	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.517	27	99.99	3.57	23
BRISTOW	1144	5	36.7	28	-5.7	67.	22	-1.	6	792.0	159.0	0.0	0.0	6.102	28	4.49	4.29	22
CHANDLER	1684	5	37.8	28	-4.6	65.	22	1.	6	761.5	128.5	0.0	0.0	6.206	28	4.72	4.15	23
CHICKASHA SC RES.	1750	5	38.0	28	-5.1	69.	21	-1.	2	756.5	143.5	0.0	0.0	3.841	28	2.63	1.13	23
COX CITY	2196	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.950	28	99.99	2.50	22
CUSHING	2318	5	35.4	21	-4.6	61.	22	2.	6	621.0	-79.0	0.0	0.0	5.911	24	4.60	2.10	23
CRESCENT	2242	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.181	28	99.99	2.14	23
EL RENO	2818	5	36.9	28	-4.4	67.	22	-1.	4	787.5	123.5	0.0	0.0	3.340	28	2.25	1.87	23
GUTHRIE	3821	5	38.0	28	-3.3	65.	21	4.	6	755.0	91.0	0.0	0.0	4.450	28	3.19	2.00	23
HENNESSEY	4055	5	37.3	28	-3.3	68.	21	6.	1	775.5	92.5	0.0	0.0	2.360	28	1.20	.76	24
INGALLS	4489	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	7.631	28	99.99	4.76	23
KINGFISHER	4861	5	37.8	28	-3.4	68.	21	5.	2	761.0	95.0	0.0	0.0	3.530	28	2.40	1.62	23
KINGFISHER CREEK	4862	5	38.0	27	999.0	68.	20	5.	2	730.0	9999.0	0.0	9999.0	3.530	28	99.99	1.62	23
U. JOHNS CREEK (KIN	4864	5	37.6	27	999.0	68.	20	5.	2	740.0	9999.0	0.0	9999.0	3.530	28	99.99	1.62	23
KONOWA	4915	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.891	28	1.24	1.30	23
MARSHALL	5589	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.950	28	1.79	1.17	23
MEEKER	5779	5	38.6	28	-3.3	69.	22	0.	3	739.5	92.5	0.0	0.0	9.310	28	7.84	6.93	22
MULHALL	6110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.440	28	99.99	1.74	23
NORMAN	6386	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.473	28	5.14	4.47	23
OKEMAH	6638	5	38.1	28	-5.0	67.	22	4.	1	752.0	139.0	0.0	0.0	3.380	28	1.93	2.05	23
OKLAHOMA CITY	6661	5	37.1	28	-3.7	65.	22	4.	1	780.5	102.5	0.0	0.0	3.656	28	2.37	1.88	23
PERKINS	7003	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.920	28	4.66	3.74	23
PIEDMONT	7068	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.010	28	99.99	2.21	23
PRAGUE	7264	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.452	28	3.95	2.24	23
PURCELL	7327	5	38.5	28	-3.7	66.	22	2.	3	743.0	105.0	0.0	0.0	6.874	28	5.53	4.60	23
SEMINOLE	8042	5	39.1	28	-5.4	68.	22	4.	3	725.5	151.5	.5	.5	2.990	28	1.44	1.43	21
SHAWNEE	8110	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.693	28	5.16	4.15	23
STELLA	8479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	9.420	28	99.99	7.46	23
STILLWATER	8501	5	35.1	27	-5.4	65.	22	-1.	6	806.0	120.0	0.0	0.0	4.596	28	3.40	2.50	24
STROUD	8563	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.757	28	99.99	5.18	23
TECUMSEH	8751	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.003	28	99.99	3.02	23
TROUSDALE	8960	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.071	28	99.99	1.62	21
UNION CITY	9086	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.011	28	3.60	2.61	23
WELTY	9479	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.343	28	99.99	2.62	23
WEWOKA	9575	5	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.450	28	1.77	1.63	23

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

FEBRUARY 1985 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ASHLAND	364	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.865	28	99.99	1.65	23
BEGGS	631	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.781	28	99.99	2.16	22
BOYNTON	1027	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.974	28	99.99	1.80	23
CALVIN	1391	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.452	28	.55	1.43	23
CLAYTON WNW	1858	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.190	28	99.99	1.44	25
DEWAR	2485	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.831	28	1.02	1.72	23
DUSTIN	2690	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.380	29	99.99	1.25	23
HANNA	3884	6	38.6	28	999.0	70.	22	-3.	3	742.0	9999.0	1.5	9999.0	2.771	28	.91	1.68	23
HARTSHORNE	3946	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.395	28	99.99	1.95	23
HOLDENVILLE	4235	6	37.8	28	-6.3	68.	22	0.	3	760.5	167.5	0.0	-8.0	3.061	28	1.38	1.55	23
LAKE EUFAULA	4975	6	36.1	27	999.0	71.	22	4.	1	780.5	9999.0	0.0	9999.0	6.150	28	99.99	3.60	23
LYONS	5437	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	.900	28	-1.05	.30	1
MCALESTER	5664	6	38.1	28	-5.0	70.	22	-6.	2	753.0	140.0	.5	.5	3.716	28	1.46	2.69	23
OKMULGEE WATER WORK	6670	6	37.9	28	-5.1	68.	22	1.	3	759.5	143.5	0.0	0.0	4.190	28	2.40	2.08	23
OKTAHA	6678	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.910	28	99.99	2.08	23
QUINTON	7372	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.754	28	2.65	3.29	22
SALLISAW	7862	6	37.7	28	-5.7	71.	22	-8.	6	764.0	159.0	.5	.5	3.033	28	.55	1.59	23
SCIPIO	7979	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.770	28	99.99	1.95	23
SHORT-1	8170	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.062	28	99.99	2.00	23
STILWELL	8506	6	36.2	28	999.0	68.	22	-1.	6	807.5	9999.0	0.0	9999.0	4.162	28	1.59	2.11	23
TAHLEQUAH	8677	6	36.6	28	-5.5	68.	22	-1.	6	795.0	154.0	0.0	0.0	3.644	28	1.22	2.00	23
WEBBER FALLS	9445	6	34.7	27	-6.1	70.	22	-4.	3	818.5	140.5	0.0	0.0	4.430	28	2.12	3.04	23
WESTVILLE	9523	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.070	28	99.99	2.70	23
WETUMKA	9571	6	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.577	28	1.98	2.00	23

FEBRUARY 1985 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	DIV	MEAN TEMP	DEV NUM OBS	DEV FROM NORM	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	MAX DAY
ALTUS IR. RES. STA.	179	7	42.0	26	-2.4	72.	21	5.	1	598.0	21.0	0.0	0.0	1.863	28	.94	.85	21
ALTUS DAM	184	7	38.5	27	999.0	72.	9	2.	2	716.0	9999.0	0.0	9999.0	2.220	28	1.28	1.02	21
ANADARKO	224	7	39.4	28	-3.4	69.	21	-1.	2	717.5	95.5	0.0	0.0	3.051	28	1.83	1.38	23
ALTUS AFB	447	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.034	28	99.99	1.03	21
CARNEGIE	1504	7	38.9	27	-3.7	69.	21	-1.	2	705.5	78.5	0.0	0.0	3.030	28	1.88	1.74	23
CHATTANOOGA	1706	7	40.4	28	-3.9	70.	21	-4.	2	690.0	110.0	0.0	0.0	3.760	28	2.63	2.09	23
DUNCAN	2668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.500	28	99.99	3.36	23
FREDERICK	3353	7	39.4	27	-6.3	73.	21	5.	1	690.0	140.0	0.0	-10.0	3.140	28	2.12	1.60	23
GRANDFIELD	3709	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.080	28	2.90	2.81	23
HOBART	4204	7	38.9	28	-2.3	70.	21	3.	2	732.0	66.0	0.0	0.0	2.425	28	1.51	1.27	23
HOLLIS	4249	7	40.8	26	-3.5	75.	22	-1.	2	629.0	49.0	.5	.5	1.140	26	.37	.42	23
LAWTON	5063	7	38.2	27	999.0	70.	21	1.	2	724.5	9999.0	0.0	9999.0	3.460	28	2.29	1.83	23
FORT SILL	5068	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.446	28	99.99	1.77	21
LOCO	5247	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.684	28	99.99	1.19	21
LOOKEBA	5329	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.650	28	99.99	1.92	23
WICHITA MT WL REF	5509	7	37.3	26	-6.6	68.	9	-4.	3	719.5	128.5	0.0	0.0	4.370	28	3.51	2.02	23
ROOSEVELT	7727	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.540	28	.58	.97	21
SEDAN	8016	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.282	28	99.99	1.08	23
SNYDER	8299	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.232	28	1.18	1.36	21
VICI	9172	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.630	28	99.99	1.60	22
VINSON	9212	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.601	28	.94	.65	23
WALTERS	9278	7	41.0	28	-4.0	71.	21	3.	1	671.5	111.5	0.0	0.0	6.260	28	4.99	1.95	21
WILLOW	9668	7	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.054	28	99.99	.85	23

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

FEBRUARY 1985 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	37.8	28	-6.9	68.	22	1.	3	761.0	193.0	0.0	0.0	2.421	28	.54	1.10	23
ALLEN	147	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.230	28	99.99	1.33	23
ARDMORE	2920	8	41.4	28	999.0	69.	22	-1.	2	662.0	9999.0	0.0	9999.0	1.270	26	99.99	.55	21
ATOKA DAM	394	8	38.9	27	999.0	69.	24	9.	3	704.5	9999.0	0.0	9999.0	4.801	28	99.99	3.80	25
BOKCHITO	917	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.001	28	99.99	1.83	23
CANEY	1437	8	41.5	27	999.0	68.	21	4.	2	635.0	9999.0	0.0	9999.0	4.450	28	99.99	3.50	23
CENTRALHOMA	1648	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.693	28	99.99	1.33	23
CHICKASAW NRA	1745	8	38.9	27	999.0	70.	22	-1.	3	706.0	9999.0	0.0	9999.0	2.260	28	99.99	.80	23
COMANCHE	2054	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.931	28	99.99	1.75	23
DAISY	2354	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.856	28	.17	1.87	23
DUNCAN	2660	8	40.5	27	-4.4	71.	9	-2.	2	662.0	92.0	0.0	-8.0	4.330	28	3.12	2.20	23
DURANT	2678	8	42.9	24	999.0	70.	22	4.	1	530.5	9999.0	0.0	9999.0	2.673	26	.42	1.86	23
ELMORE CITY	2872	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.205	28	99.99	2.90	22
FARRIS	3083	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.541	28	99.99	1.20	23
GRADY	3688	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.581	28	99.99	.98	23
HEALDTON	4001	8	40.6	28	999.0	68.	23	5.	2	683.0	9999.0	0.0	9999.0	2.913	28	1.56	1.34	23
HENNEPIN	4052	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.000	28	99.99	1.26	20
KINGSTON	4865	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.181	28	2.92	2.30	23
LEHIGH	5100	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.121	28	99.99	1.86	23
MADILL	5468	8	41.6	28	-4.3	69.	23	2.	2	654.5	114.5	0.0	-5.0	2.891	28	.77	1.66	23
MARIETTA	5563	8	42.9	28	-3.2	72.	16	6.	1	618.0	82.0	.5	-5.5	2.271	28	.50	.94	23
MARLOW	5581	8	39.9	28	999.0	67.	21	-4.	2	702.5	9999.0	0.0	9999.0	5.941	28	4.74	3.56	23
OSWALT	6787	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	2.770	28	99.99	1.10	24
PONTOTOC	7214	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.800	28	-.13	1.00	23
TISHOMINGO	8884	8	43.3	15	999.0	69.	24	12.	4	325.5	9999.0	0.0	9999.0	2.722	21	.67	2.20	23
TUSSY	9032	8	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.452	28	99.99	1.64	23
WAURIKA	9395	8	41.3	28	-4.9	70.	22	-8.	2	663.5	131.5	0.0	-5.0	2.570	28	1.27	1.31	21

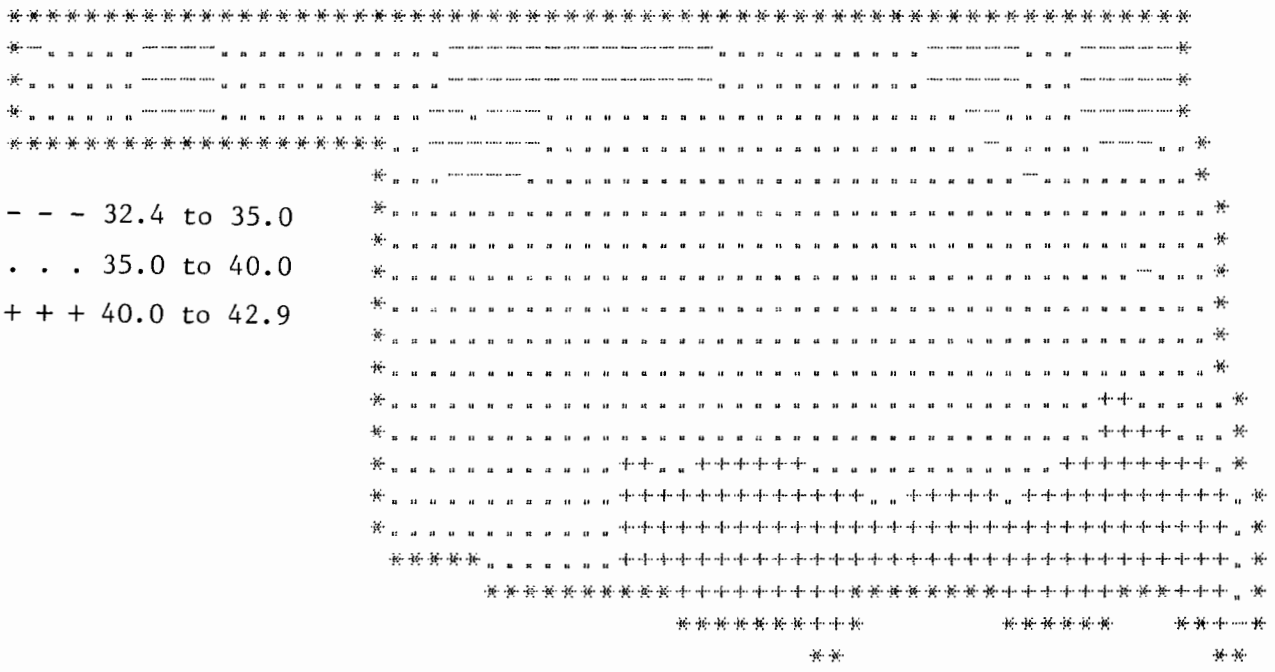
FEBRUARY 1985 SUMMARY FOR SOUTHEAST DIVISION (CD9)

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	42.0	28	-2.9	69.	22	4.	2	643.0	80.0	0.0	0.0	2.350	28	-.40	2.35	23
BEAR MT. TOWER	584	9	41.6	28	999.0	69.	22	9.	2	656.5	9999.0	0.0	9999.0	4.170	28	.80	1.46	23
BENGAL	670	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.951	28	99.99	2.83	23
BOSWELL	980	9	41.6	28	999.0	70.	22	2.	2	656.5	9999.0	0.0	9999.0	4.047	28	1.27	2.58	23
BROKEN BOW	1162	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.000	28	.71	1.65	23
BROKEN BOW	1168	9	40.9	27	999.0	70.	23	8.	3	650.0	9999.0	0.0	9999.0	4.560	28	99.99	1.45	23
CARTER MT	1544	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.850	28	1.55	1.35	23
FANSHAWE	3065	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	6.941	28	4.15	4.02	23
HEAVENER	4008	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	3.320	28	.60	1.78	23
HUGO	4384	9	42.5	28	-4.4	76.	22	4.	2	631.5	118.5	2.5	-3.5	3.493	28	.72	.80	1
IDABEL	4451	9	41.2	27	-5.1	73.	22	8.	2	643.0	119.0	0.0	0.0	3.560	28	.14	1.35	23
POTEAU	7246	9	40.2	28	-4.3	69.	26	4.	3	693.5	122.5	.5	.5	5.051	28	2.37	3.87	23
POTEAU PUBLIC WORKS	7254	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.043	28	99.99	3.35	23
SMITHVILLE	8285	9	38.0	23	999.0	65.	26	8.	2	621.5	9999.0	0.0	9999.0	6.480	23	99.99	2.00	1
SPIRO	8416	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	5.030	28	2.33	3.10	23
TUSKAHOMA	9023	9	41.2	28	999.0	70.	23	-4.	2	667.5	9999.0	1.5	9999.0	5.111	28	99.99	3.04	23
VALLIANT	9118	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	4.140	28	.87	1.15	23
WILBURTON	9634	9	39.2	27	-4.8	70.	23	2.	6	697.5	109.5	0.0	0.0	1.180	28	-1.44	.56	5
WISTER DAM	9719	9	999.0	0	999.0	999.	0	999.	0	999.0	9999.0	999.0	9999.0	1.201	22	99.99	.50	19
ZOE	9985	9	39.0	28	999.0	71.	23	-6.	3	727.5	9999.0	.5	9999.0	4.691	28	1.88	2.06	23

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

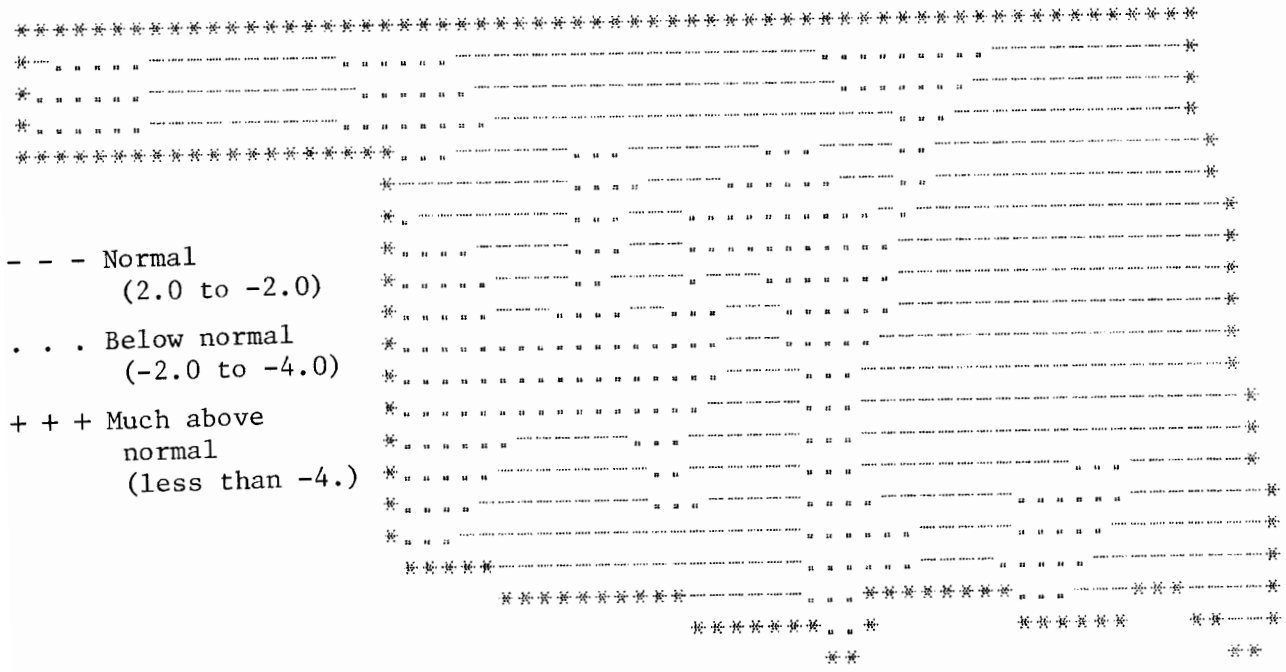
FEBRUARY 1985 CLIMATE DIVISION SUMMARY

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	34.8	10	-4.0	79.0	15	-10.0	2	828.3	92.8	0.0	0.0	1.67	12	1.00	1.60	23
2	35.1	13	-4.6	70.0	21	-8.0	6	826.7	120.2	0.0	0.0	3.21	24	2.14	2.49	21
3	34.8	11	-5.2	68.0	22	-9.0	6	836.4	136.9	0.0	0.0	5.42	28	3.84	6.16	23
4	37.2	10	-4.1	70.0	22	-5.0	2	773.6	107.6	0.0	0.0	2.52	21	1.58	3.77	23
5	37.6	15	-4.2	69.0	22	-1.0	6	760.4	110.9	.0	.0	4.75	36	3.38	7.46	23
6	37.1	9	-5.7	71.0	22	-8.0	6	775.6	151.3	.3	-1.1	3.46	24	1.41	3.60	23
7	39.3	8	-4.5	75.0	22	-4.0	3	705.9	111.1	0.0	-1.1	2.97	23	1.96	3.36	23
8	40.5	11	-5.1	72.0	16	-8.0	2	677.5	128.3	.0	-4.8	3.09	26	1.25	3.80	25
9	40.9	10	-4.4	76.0	22	-6.0	3	666.7	114.9	.5	-.7	4.25	18	1.30	4.02	23

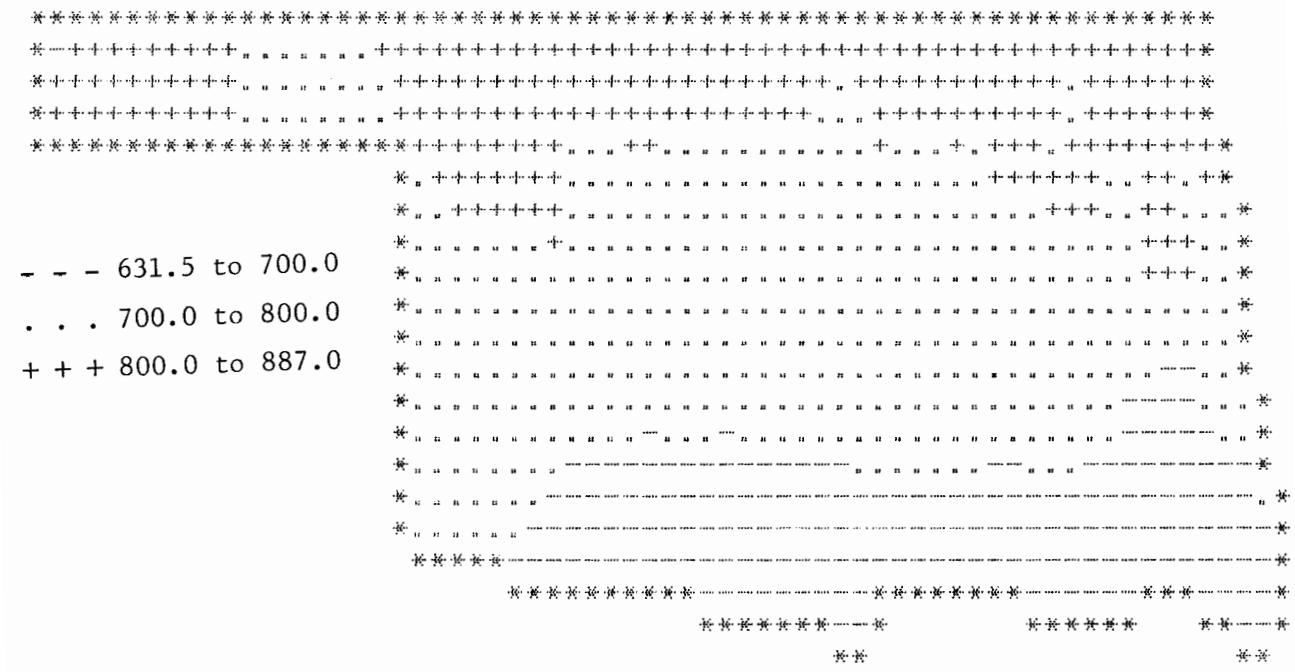


FEBRUARY 1985 AVERAGE MONTHLY TEMPERATURE
(DEGREES F)

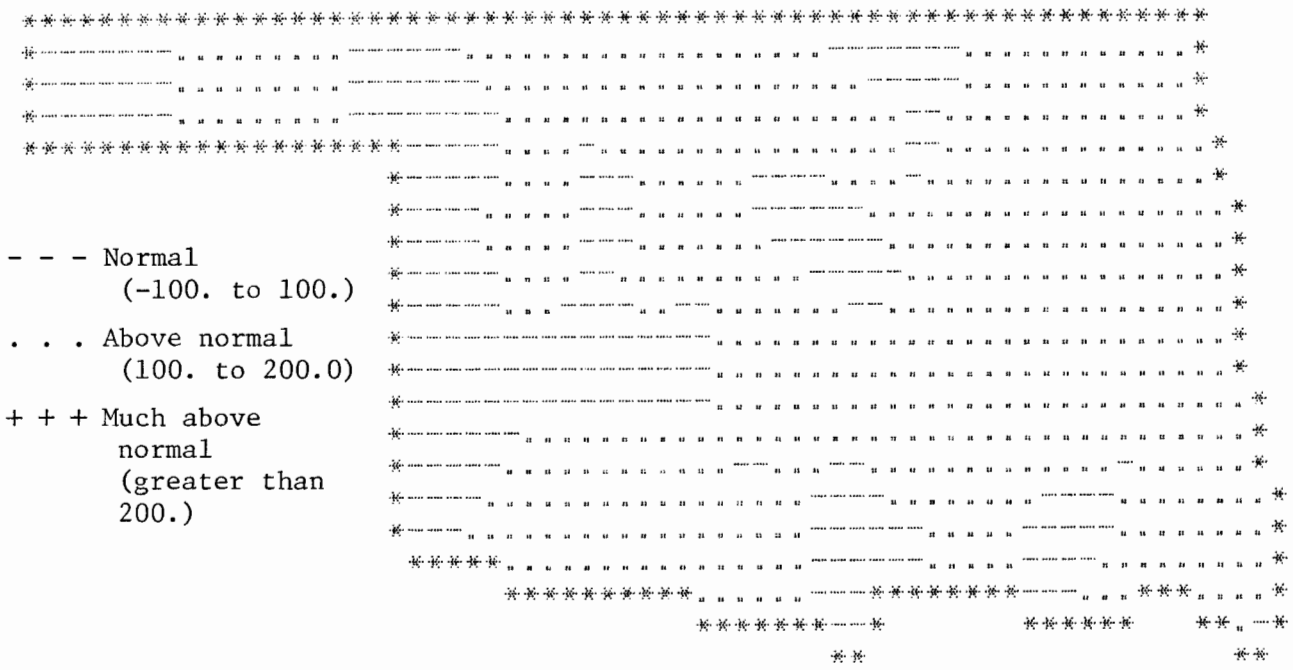
NOTE: 9999.0, 999.0, 99.99 indicate missing records.
Trace = .001



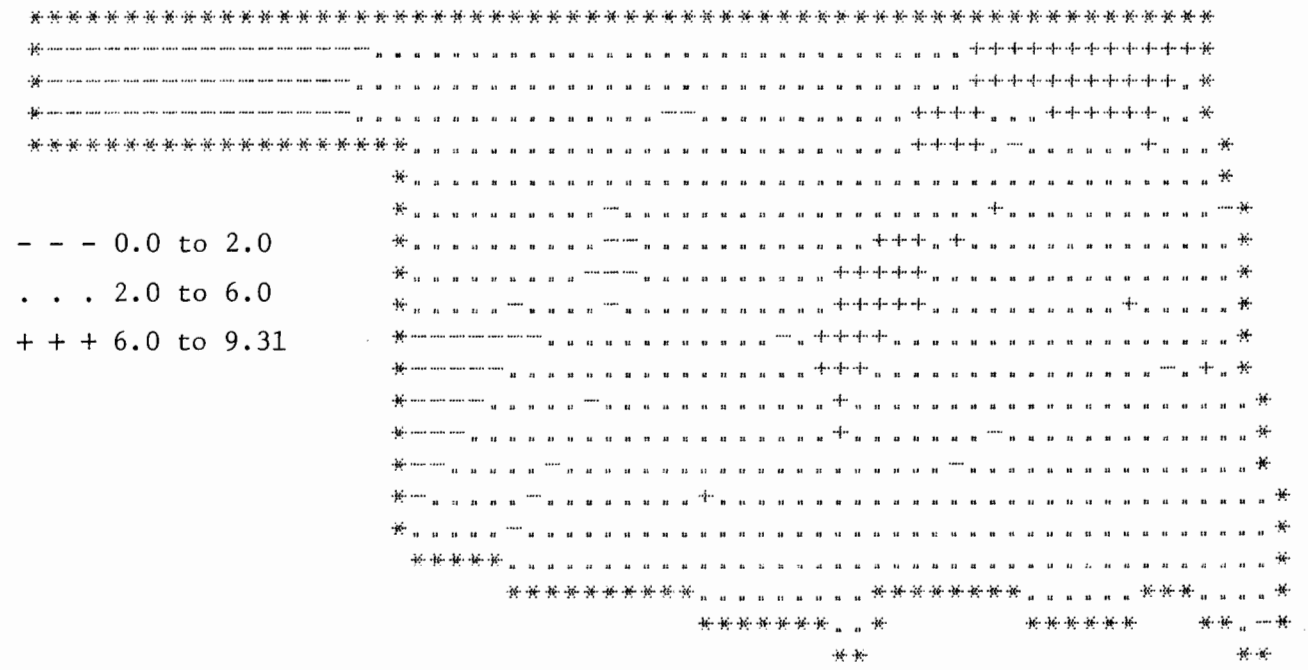
FEBRUARY 1985 DEVIATION FROM NORMAL TEMPERATURE



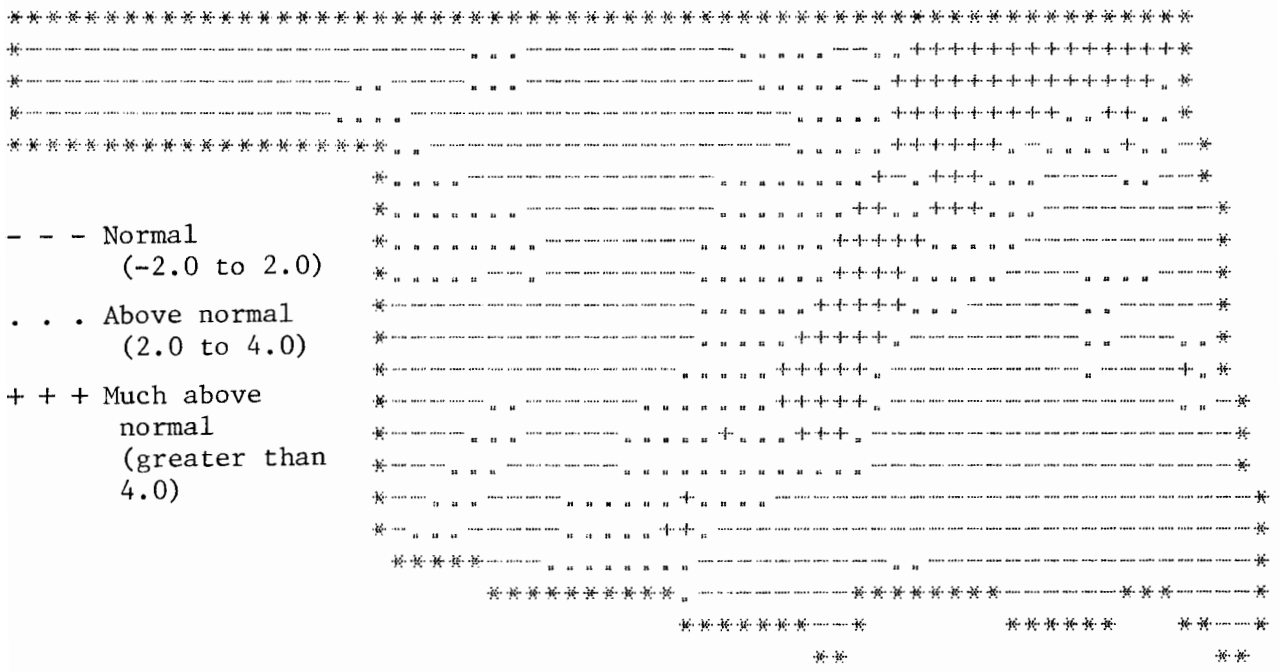
FEBRUARY 1985 TOTAL DEGREE DAYS



FEBRUARY 1985 DEVIATION FROM NORMAL DEGREE DAYS



FEBRAURY 1985 TOTAL PRECIPITATION
(INCHES)



FEBRUARY 1985 DEVIATION FROM NORMAL PRECIPITATION

Weekly Precipitation Probabilities Assist Dryland Farmers

By

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The Oklahoma Panhandle is noted for its variable climate, and day to day extremes in weather conditions. Average monthly precipitation data is of limited use to the dryland farmer, whose relative success in producing a sorghum or wheat crop rests upon the timing of adequate quantities of precipitation. The unreliability of average precipitation data makes short range planning of seeding, harvesting, haying, and other field operations difficult at best.

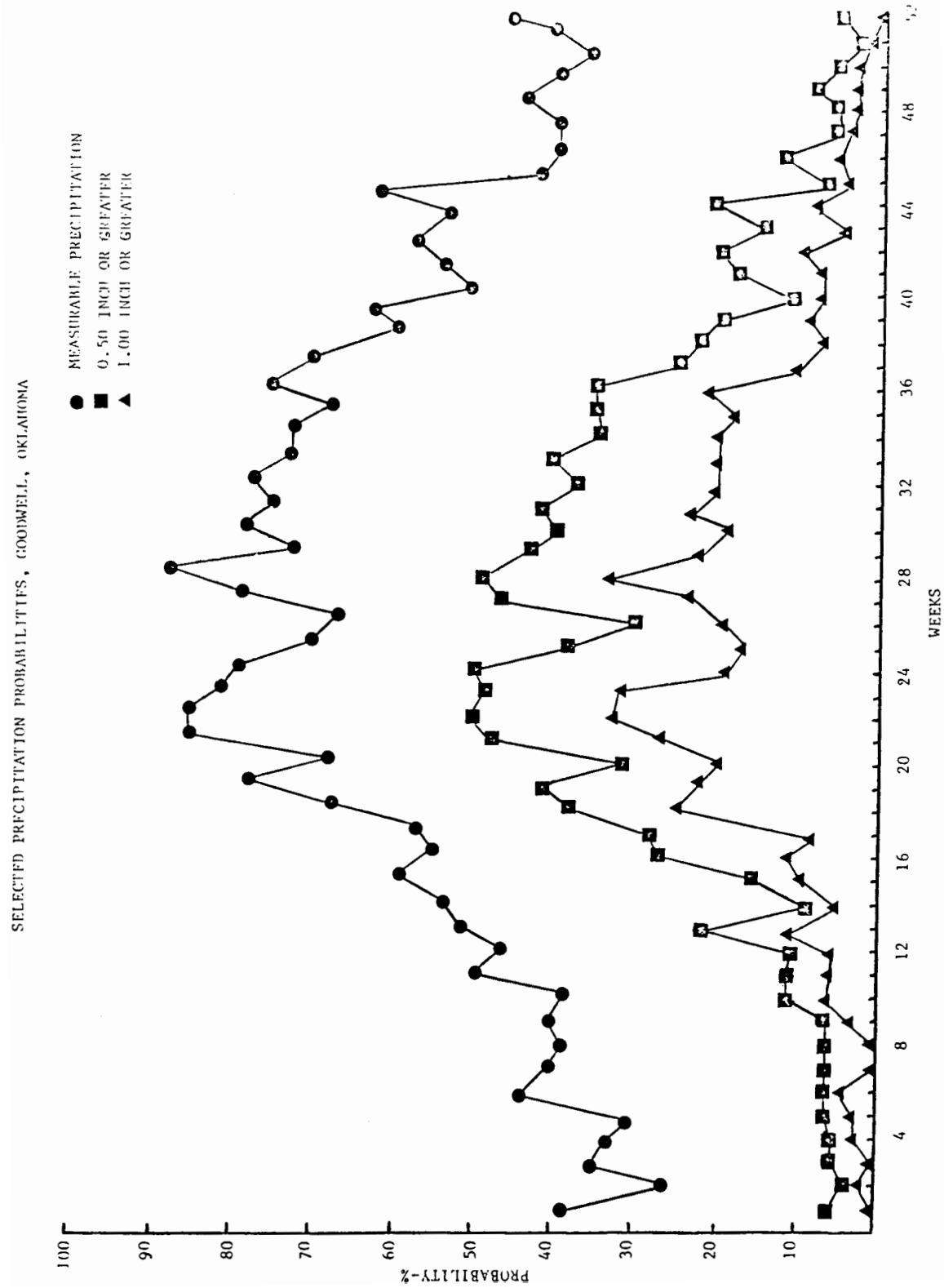
The most important precipitation is that which falls during the growing season-April through September. Some precipitation is received in ineffective amounts for crop use. Generally, amounts exceeding 0.50 inch over the course of one week are at least somewhat beneficial to a sorghum or wheat crop.

A careful examination of historical weather data can be a useful tool in planning seeding dates and other farm operations, through the use of precipitation probabilities, calculated on a weekly basis.

The accompanying figure displays selected precipitation probabilities for Goodwell, Oklahoma, based on 57 years of data. These include probabilities of any measurable precipitation, 0.50 inch or greater, and 1.00 inch or greater. The figure illustrates the relatively greater probability of receiving beneficial amounts of precipitation Weeks 22 through 24 (May 27-June 16), and Week 28 (July 8-14). The probability of receiving a half-inch or more of rain during each of these weeks approaches 50%, and for Weeks 22 and 28, the chance of one inch or more of rain is about 33%. This information may be very useful. For example, the planting of grain sorghum should be considered just prior to the aforementioned high probability rainfall period in late spring, or before May 27. The sorghum hybrid planted should reach its critical flowering stage before Week 36 (September 2-8), after which precipitation probability falls drastically.

Precipitation probabilities show that following Week 44 (October 28-November 3), the chance of receiving any measurable precipitation declines sharply. Dryland wheat should be seeded before this period, and a variety should be selected that delays flowering until Weeks 21 and 22 of the following year, thus taking advantage of the higher probability of beneficial rainfall at this critical growth stage. Furthermore, wheat harvest should be targeted for Week 26 (June 24-30) to take advantage of drier field conditions resulting from a decline in rainfall during that period.

The weather will not always, if ever perform exactly as the figure shows. However, precipitation probabilities charted on a weekly basis may provide the dryland farmer with a useful planning tool.


SELECTED PRECIPITATION PROBABILITIES, GOODWELL, OKLAHOMA
MEASURABLE PRECIPITATION
0.50 INCH OR GREATER
1.00 INCH OR GREATER
PROBABILITY-%
100
90
80
70
60
50
40
30
20
10
4
8
12
16
20
24
28
32
36
40
44
48
WEEKS

APRIL, 1985
CLIMATE CALENDAR

The data on this calendar are for Oklahoma City. Normal values are calculated for the period 1950-1979. Extremes are found for the period of record (1924-present).

Normal	1	Actual
67.4	max	
45.1	min	
.021	pcpn	
9	HDD	
1	CDD	
Highest Max		92-1946
Lowest Max		45-1938
Lowest Min		28-1972
Highest Min		68-1946
Greatest pcpn		.32-1979

Normal	2	Actual
70.8	max	
45.7	min	
.065	pcpn	
8	HDD	
1	CDD	
Highest Max		87-1946
Lowest Max		43-1949
Lowest Min		20-1936
Highest Min		67-1940
Greatest pcpn		.94-1956

Normal	3	Actual
69.2	max	
45.0	min	
.060	pcpn	
8	HDD	
1	CDD	
Highest Max		89-1950
Lowest Max		43-1944
Lowest Min		21-1975
Highest Min		66-1934
Greatest pcpn		.92-1957

Normal	4	Actual
65.9	max	
42.0	min	
.027	pcpn	
12	HDD	
1	CDD	
Highest Max		89-1942
Lowest Max		43-1970
Lowest Min		29-1945
Highest Min		68-1929
Greatest pcpn		1.31-1947

Normal	5	Actual
67.1	max	
42.4	min	
.171	pcpn	
11	HDD	
1	CDD	
Highest Max		87-1959
Lowest Max		47-1983
Lowest Min		26-1970
Highest Min		65-1978
Greatest pcpn		3.39-1953

Normal	6	Actual
71.6	max	
44.8	min	
.011	pcpn	
8	HDD	
2	CDD	
Highest Max		94-1954
Lowest Max		44-1940
Lowest Min		26-1936
Highest Min		68-1932
Greatest pcpn		1.24-1940

Normal	7	Actual
70.4	max	
46.1	min	
.043	pcpn	
7	HDD	
1	CDD	
Highest Max		87-1946
Lowest Max		38-1938
Lowest Min		27-1938
Highest Min		65-1946
Greatest pcpn		1.76-1942

Normal	8	Actual
69.1	max	
47.3	min	
.108	pcpn	
8	HDD	
1	CDD	
Highest Max		84-1977
Lowest Max		44-1942
Lowest Min		28-1938
Highest Min		62-1978
Greatest pcpn		1.30-1947

Normal	9	Actual
68.8	max	
45.1	min	
.059	pcpn	
9	HDD	
1	CDD	
Highest Max		90-1930
Lowest Max		44-1973
Lowest Min		28-1938
Highest Min		66-1927
Greatest pcpn		2.91-1944

Normal	10	Actual
68.7	max	
45.8	min	
.097	pcpn	
9	HDD	
1	CDD	
Highest Max		91-1934
Lowest Max		45-1958
Lowest Min		28-1973
Highest Min		66-1965
Greatest pcpn		1.40-1979

Normal	11	Actual
69.4	max	
46.8	min	
.054	pcpn	
8	HDD	
1	CDD	
Highest Max		90-1972
Lowest Max		47-1926
Lowest Min		29-1940
Highest Min		66-1972
Greatest pcpn		1.10-1974

Normal	12	Actual
68.0	max	
46.2	min	
.131	pcpn	
9	HDD	
1	CDD	
Highest Max		100-1972
Lowest Max		35-1957
Lowest Min		23-1957
Highest Min		70-1972
Greatest pcpn		3.11-1967

Normal	13	Actual
68.2	max	
45.3	min	
.072	pcpn	
9	HDD	
1	CDD	
Highest Max		94-1936
Lowest Max		43-1957
Lowest Min		20-1957
Highest Min		67-1981
Greatest pcpn		1.29-1947

Normal	14	Actual
72.8	max	
47.4	min	
.099	pcpn	
6	HDD	
2	CDD	
Highest Max		92-1936
Lowest Max		46-1928
Lowest Min		28-1957
Highest Min		68-1972
Greatest pcpn		2.06-1945

Normal	15	Actual
72.6	max	
48.6	min	
.073	pcpn	
6	HDD	
1	CDD	
Highest Max		90-1940
Lowest Max		54-1961
Lowest Min		20-1928
Highest Min		66-1982
Greatest pcpn		1.67-1947

Normal	16	Actual
72.7	max	
50.6	min	
.118	pcpn	
5	HDD	
2	CDD	
Highest Max		92-1940
Lowest Max		54-1950
Lowest Min		34-1953
Highest Min		66-1937
Greatest pcpn		1.08-1970

Normal	17	Actual
74.4	max	
51.1	min	
.067	pcpn	
4	HDD	
2	CDD	
Highest Max		89-1948
Lowest Max		52-1939
Lowest Min		30-1953
Highest Min		67-1963
Greatest pcpn		2.16-1941

Normal	18	Actual
73.7	max	
52.0	min	
.108	pcpn	
4	HDD	
2	CDD	
Highest Max		88-1938
Lowest Max		48-1953
Lowest Min		30-1953
Highest Min		66-1964
Greatest pcpn		2.97-1942

Normal	19	Actual
74.1	max	
52.2	min	
.174	pcpn	
4	HDD	
2	CDD	
Highest Max		88-1966
Lowest Max		54-1983
Lowest Min		33-1953
Highest Min		68-1948
Greatest pcpn		1.48-1929

Normal	20	Actual
72.5	max	
51.5	min	
.224	pcpn	
5	HDD	
2	CDD	
Highest Max		91-1961
Lowest Max		50-1959
Lowest Min		33-1966
Highest Min		69-1961
Greatest pcpn		2.07-1937

Normal	21	Actual
75.8	max	
51.7	min	
.032	pcpn	
3	HDD	
2	CDD	
Highest Max		90-1965
Lowest Max		45-1959
Lowest Min		34-1927
Highest Min		70-1961
Greatest pcpn		.78-1938

Normal	22	Actual
75.5	max	
53.1	min	
.126	pcpn	
3	HDD	
3	CDD	
Highest Max		95-1955
Lowest Max		55-1928
Lowest Min		34-1959
Highest Min		69-1961
Greatest pcpn		1.34-1966

Normal	23	Actual
74.3	max	
53.1	min	
.091	pcpn	
4	HDD	
3	CDD	
Highest Max		89-1964
Lowest Max		52-1931
Lowest Min		40-1959
Highest Min		68-1961
Greatest pcpn		.96-1945

Normal	24	Actual
74.7	max	
51.4	min	
.043	pcpn	
4	HDD	
2	CDD	
Highest Max		88-1949
Lowest Max		52-1947
Lowest Min		38-1968
Highest Min		66-1961
Greatest pcpn		1.67-1948

Normal	25	Actual
73.4	max	
51.6	min	
.057	pcpn	
4	HDD	
2	CDD	
Highest Max		91-1939
Lowest Max		54-1947
Lowest Min		40-1977
Highest Min		65-1949
Greatest pcpn		1.09-1966

Normal	26	Actual
72.7	max	
51.8	min	
.111	pcpn	
4	HDD	
2	CDD	
Highest Max		89-1939
Lowest Max		56-1965
Lowest Min		40-1945
Highest Min		68-1975
Greatest pcpn		1.50-1963

Normal	27	Actual
74.6	max	
52.8	min	
.071	pcpn	
4	HDD	
3	CDD	
Highest Max		91-1959
Lowest Max		57-1979
Lowest Min		39-1928
Highest Min		69-1970
Greatest pcpn		1.00-1962

Normal	28	Actual
72.4	max	
52.6	min	
.127	pcpn	
4	HDD	
2	CDD	
Highest Max		87-1951
Lowest Max		57-1966
Lowest Min		37-1979
Highest Min		70-1970
Greatest pcpn		1.97-1960

Normal	29	Actual
74.1	max	
52.4	min	
.232	pcpn	
3	HDD	
2	CDD	
Highest Max		92-1936
Lowest Max		58-1971
Lowest Min		39-1956
Highest Min		68-1933
Greatest pcpn		2.87-1974

Normal	30	Actual
73.4	max	
52.0	min	
.195	pcpn	
4	HDD	
2	CDD	
Highest Max		93-1948
Lowest Max		56-1960
Lowest Min		38-1984
Highest Min		68-1936
Greatest pcpn		2.13-1970