

OKLAHOMA MONTHLY SUMMARY FEBRUARY 1991

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FEBRUARY 1991 OKLAHOMA SUMMARY

Preliminary results indicate that February 1991 was the fourth driest on record, and the driest since 1963. The western third of Oklahoma (Climate Divisions 1, 4 and 7) averaged less than 0.01 inch of precipitation for the month. The largest monthly total in the region was 0.05 inch, which fell on the 13th at the Wichita Mountain Wildlife Refuge. Central Oklahoma did not fare much better; CD's 2 and 5 both recorded less than 10% of normal precipitation. Only southeast Oklahoma (CD 9) had more than 25% of normal precipitation. The statewide average of 0.26 inch was 1.22 inches below normal. The dry conditions placed further stress on winter wheat crops, which already had been suffering from a dry January. Grasslands also dried out, raising the potential for fires across much of the state. Strong winds helped to spread the flames of many such fires.

The lack of moisture also allowed the air to warm quickly, increasing daily temperature ranges. The heat of the afternoon sun frequently pushed maximum temperatures into the 70's, especially across western Oklahoma. The statewide-average temperature of 48.3 degrees was 6.3 degrees above normal, making this the fifth warmest February on record. February's warmth also balanced the cold from December 1990, contributing to a near-normal average temperature for Winter 1990-1991. The overall average was 39.6 degrees. The dry start to 1991 dropped the state-averaged winter precipitation to 0.74 inch below normal, with a meager total of 3.64 inches for the winter.

The first two weeks of February were generally warm and dry, with highs ranging from the 50's to the 70's statewide. A frontal passage on the 5th had little effect on temperatures, but brought the heaviest rainfall of the month to southern and eastern Oklahoma. Rainfall in excess of one inch was recorded at Hugo (1.51 inch) and Broken Bow (1.46 inch) on the 5th and Healdton (1.08 inch) on the 6th. No other stations reported rainfall over an inch for the remainder of the month.

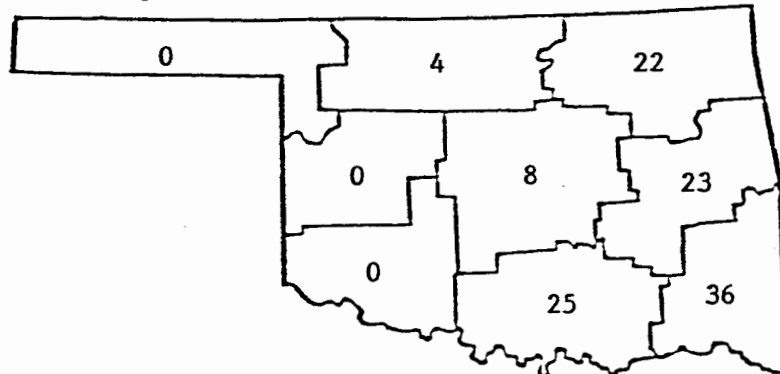
The warmth continued beyond the frontal passage, as maximum temperatures reached into the upper 70's across western Oklahoma on the 12th and 13th. The low temperature of 65 degrees at Hugo on the 13th was their warmest minimum temperature recorded in February since 1948.

A cold front put a chill on Valentine's Day, as lows dropped into the teens and 20's while maximum temperatures were held to the 30's. The cold did not last long however. A warm front, which passed through the state on the 17th, sent temperatures soaring to the 70's and low 80's. Carnegie set a record high temperature of 82 degrees on the 17th, and Altus was only one degree shy of their 83 degree record for the date.

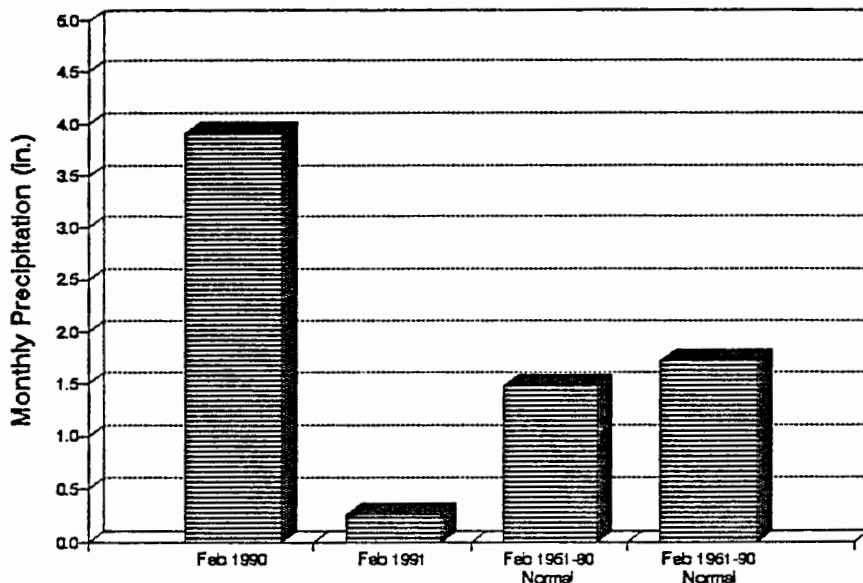
Temperatures remained mild until another cold front cleared the state on the 24th. Maximum temperatures behind the front fell to the 30's and 40's across northern Oklahoma. The front also brought a surprise snowfall to many residents of northeastern Oklahoma. Up to six inches of snow fell in Miami and Tulsa reported 1.5 inch. The snow quickly melted as temperatures warmed again. By the end of the month, maximum temperatures had climbed back into the 60's and 70's statewide.

Mark A. Shafer

February 1991 percent of normal precipitation.



Comparison of Monthly Precipitation Statewide Average for Oklahoma



Comparison of Monthly Temperature Statewide Average for Oklahoma

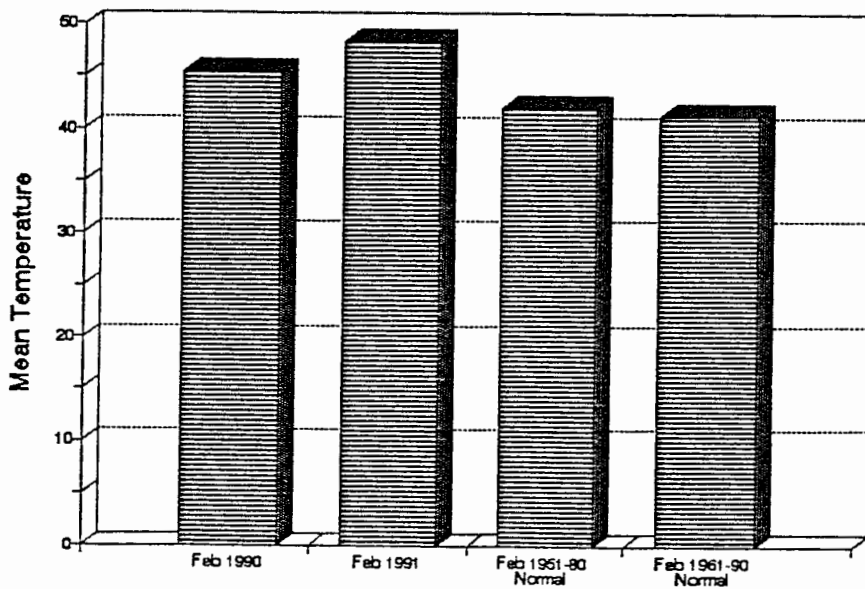


TABLE OF 1990/1991 COMPARISONS

Station	February Temperature (F)		February Precipitation (in.)	
	1990	1991	1990	1991
Arnett	40.7	45.6	2.65	0
Enid	43.9	48.1	3.60	0
Mutual	40.9	46.2	2.22	.01
Tulsa	47.7	49.6	3.33	.38
Elk City	44.2	49.2	2.73	0
Oklahoma City	47.5	49.7	4.29	.03
McAlester	50.1	48.9	5.87	.28
Altus Irr Sta	48.2	49.8	2.86	.01
Durant	48.9	49.6	4.32	.98
Ada	48.0	49.7	3.41	.67
Antlers	50.7	49.7	6.85	.90

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperatures (F)	Kenton	1	11	25
	Hulah Dam	3	11	19
Maximum temperatures (F)	Altus Irr	7	82	17
	Carnegie	7	82	17
Maximum 24-hour precipitation	Valliant	9	1.72"	5

FEBRUARY 1991 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	CD	DEV						HEAT		DEV		TOT	DEV				
			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	24-HR	DAY
ARNETT	332	1	45.6	28	7.4	77.	18	19.	16	542.5	-207.5	.0	.0	.000	28	-.67	.00	28
BEAVER	593	1	43.8	28	5.7	76.	18	16.	2	594.5	-158.5	.0	.0	.000	28	-.58	.00	28
BOISE CITY 2 E	908	1	42.2	28	3.9	72.	16	16.	15	638.0	-110.0	.0	.0	.000	28	-.49	.00	28
BUFFALO	1243	1	48.3	28	7.9	79.	28	21.	10	468.5	-220.5	.0	.0	.000	28	-.92	.00	28
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.85	.00	28
GAGE FAA APT	3407	1	48.1	28	9.8	77.	17	24.	15	473.0	-275.0	.0	.0	.000	28	-.82	.00	28
GATE	3489	1	47.9	27	*****	76.	12	20.	25	462.5	*****	.0	*****	.001	27	*****	.00	9
GOODWELL RES ST3628	1		44.4	28	5.8	75.	17	15.	15	578.0	-161.0	.0	.0	.002	28	-.31	.00	25
GUYMON	3835	1	46.1	24	*****	75.	16	19.	25	454.0	*****	.0	*****	.002	26	*****	.00	26
HOOKER	4298	1	44.0	28	5.6	76.	17	15.	26	587.0	-158.0	.0	.0	.001	28	-.46	.00	25
KENTON	4766	1	41.3	28	2.7	73.	17	11.	25	664.5	-74.5	.0	.0	.010	28	-.27	.01	25
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.88	.00	28
OPTIMA LAKE	6740	1	44.3	26	*****	76.	17	16.	16	538.0	*****	.0	*****	.001	28	*****	.00	25
RANGE	7412	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	*****	.00	25
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.27	.00	28
TURPIN 4 SSE	9017	1	43.6	27	*****	74.	18	15.	25	578.5	*****	.0	*****	.000	27	*****	.00	28

FEBRUARY 1991 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	DEV						HEAT		DEV		TOT	DEV				
			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	24-HR	DAY
ALVA	193	2	48.8	28	*****	77.	21	15.	15	455.0	*****	.0	*****	.000	28	*****	.00	28
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.033	28	*****	.03	25
BILLINGS	755	2	45.8	28	*****	78.	18	12.	15	537.5	*****	.0	*****	.002	28	-1.22	.00	25
BLACKWELL 2E	818	2	45.9	28	*****	75.	17	15.	15	534.0	*****	.0	*****	.110	28	*****	.09	4
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.112	28	*****	.10	5
CHEROKEE	1724	2	48.2	28	8.3	76.	18	13.	15	469.5	-233.5	.0	.0	.000	28	-.92	.00	28
ENID	2912	2	48.0	28	7.3	77.	17	17.	15	477.0	-203.0	.0	.0	.000	28	-1.16	.00	28
FREEDOM	3358	2	46.3	28	*****	77.	17	19.	20	523.5	*****	.0	*****	.000	28	*****	.00	28
GREAT SALT PLNS3740	2		48.1	28	*****	80.	18	16.	15	472.5	*****	.0	*****	.110	19	*****	.11	4
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.143	28	*****	.09	3
HELENA 1 SSE	4019	2	45.0	28	*****	77.	18	14.	16	560.5	*****	.0	*****	.150	28	-.85	.15	4
JEFFERSON	4573	2	47.1	28	7.5	78.	17	16.	15	500.5	-210.5	.0	.0	.110	28	-.86	.10	3
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.080	28	*****	.07	4
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.050	28	*****	.05	24
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	*****	.00	11
MUTUAL	6139	2	46.3	28	7.0	77.	18	22.	17	525.0	-197.0	.0	.0	.010	28	-.92	.01	4
NEWKIRK	6278	2	48.0	28	9.1	75.	-18	14.	15	476.0	-255.0	.0	.0	.051	28	-1.05	.03	25
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
PERRY	7012	2	50.1	28	8.6	78.	17	19.	15	417.0	-241.0	.0	.0	.151	28	-1.17	.12	13
PONCA CITY FAA	7201	2	47.8	28	10.1	77.	17	16.	15	482.0	-282.0	.0	.0	.132	28	-1.09	.10	4
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	-1.39	.00	25
RENFROW	7556	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-1.01	.00	28
WAYNOKA	9404	2	47.9	28	7.3	79.	17	19.	15	480.0	-203.0	.0	.0	.001	28	-.98	.00	9
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28

FEBRUARY 1991 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID CD	DEV				HEAT		DEV		COOL		DEV		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
		MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM	FROM NORM	FROM NORM						
BARNSDALL	535 3	46.0	28	*****	75.	17	18.	27	532.0	*****	.0	*****	.293	28	-1.14	.15	13			
BARTLESVILLE 2W	548 3	46.7	28	6.4	73.	21	15.	16	512.0	-180.0	.0	.0	.045	28	-1.41	.04	25			
BIXBY	782 3	44.4	28	3.7	77.	18	18.	1	575.5	-104.5	.0	.0	.200	28	-1.41	.15	26			
BURBANK	1256 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.141	28	*****	.14	4			
CHELSEA 4 S	1717 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.520	28	*****	.18	25			
CLAREMORE	1828 3	43.5	28	3.7	73.	18	17.	1	602.5	-103.5	.0	.0	.421	28	-1.20	.29	5			
CLEVELAND 5 WSW	1902 3	49.9	25	*****	78.	17	20.	1	376.5	*****	.0	*****	.001	25	*****	.00	24			
FORAKER	3250 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	-1.22	.00	24			
HOMINY	4289 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.331	28	-1.06	.22	25			
HULAH DAM	4393 3	44.2	19	*****	73.	22	11.	19	395.5	*****	.0	*****	.061	28	-1.11	.04	13			
JAY TOWER	4567 3	44.7	28	*****	68.	22	16.	20	567.5	*****	.0	*****	.710	28	*****	.30	25			
KANSAS 1 ESE	4672 3	45.6	28	*****	67.	21	16.	15	544.0	*****	.0	*****	.534	28	*****	.31	25			
KEYSTONE DAM	4812 3	45.3	19	*****	77.	19	18.	19	374.5	*****	.0	*****	.312	19	*****	.16	25			
LENAPAH	5118 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.230	28	*****	.10	24			
MANNFORD 6 NW	5522 3	48.9	28	*****	79.	17	15.	15	450.0	*****	.0	*****	.370	28	-1.10	.12	25			
MARAMEC	5540 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.210	28	-1.19	.21	25			
NOWATA	6485 3	46.0	26	*****	70.	21	16.	15	494.0	*****	.0	*****	.003	28	-1.64	.00	17			
ONETA 1 WNW	6713 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.621	28	*****	.53	5			
PAWHUSKA	6935 3	46.5	28	6.5	77.	17	17.	27	518.5	-181.5	.0	.0	.063	28	-1.25	.05	4			
PAWNEE	6940 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.251	28	-1.06	.13	25			
PRYOR 6 N	7309 3	42.4	28	2.4	71.	18	17.	16	632.5	-67.5	.0	.0	.375	28	-1.41	.19	5			
RALSTON	7390 3	48.5	28	*****	76.	18	18.	27	462.0	*****	.0	*****	.001	28	-1.30	.00	25			
RAMONA 4 N	7394 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.550	28	*****	.45	24			
SKIATOOK	8258 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.560	28	-1.07	.29	25			
SPAVINAW	8380 3	47.2	28	*****	69.	21	18.	15	498.5	*****	.0	*****	.542	28	-1.25	.26	5			
TULSA WSO APT	8992 3	49.6	28	8.9	76.	17	22.	15	432.0	-248.0	.0	.0	.383	28	-1.36	.26	5			
UPPER SPAVINAW	9101 3	47.8	28	*****	71.	17	20.	15	482.0	*****	.0	*****	.364	28	*****	.16	25			
VINITA 2 N	9203 3	44.7	27	4.9	69.	17	16.	16	549.0	-157.0	.0	.0	.850	28	-.96	.41	18			
WAGONER	9247 3	47.9	28	5.7	73.	17	18.	15	477.5	-160.5	.0	.0	.491	28	-1.40	.19	25			
WANN	9298 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.102	28	*****	.10	13			
WYONONA	9792 3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.403	28	*****	.30	13			

FEBRUARY 1991 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID CD	DEV				HEAT		DEV		COOL		DEV		TOT PPT	NUM OBS	FROM NORM	MAX	24-HR DAY
		MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DEG DAY	FROM NORM	DEG DAY	FROM NORM	DEG DAY	FROM NORM	FROM NORM	FROM NORM					
CANTON DAM	1445 4	47.0	19	*****	77.	19	19.	15	342.0	*****	.0	*****	.002	19	*****	.00	25	
CHEYENNE	1738 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28	
CLINTON	1909 4	49.9	28	8.5	81.	17	24.	20	422.0	-239.0	.0	.0	.001	28	-1.04	.00	25	
COLONY	2039 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28	
CORDELL	2125 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-1.03	.00	28	
ELK CITY 1 E	2849 4	49.2	28	*****	78.	17	21.	15	441.5	*****	.0	*****	.002	28	-.95	.00	25	
ERICK 4 E	2944 4	48.0	28	6.0	77.	17	23.	15	476.0	-168.0	.0	.0	.001	28	-.86	.00	4	
GEARY	3497 4	48.1	27	7.0	78.	17	20.	15	457.0	-212.0	.0	.0	.000	27	*****	.00	28	
HAMMON 1 NNE	3871 4	45.6	28	4.7	79.	18	20.	16	542.0	-133.0	.0	.0	.000	28	-.91	.00	28	
LEEDEY	5090 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.90	.00	28	
MACKIE 4 NNW	5463 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28	
MORAVIA 2 NNE	6035 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	-.96	.00	4	
OKENE	6629 4	48.9	28	7.3	79.	17	17.	16	451.5	-203.5	.0	.0	.000	28	-.94	.00	28	
RETROP	7565 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28	
REYDON	7579 4	48.9	28	*****	77.	17	19.	15	450.0	*****	.0	*****	.000	28	-.79	.00	28	
SAYRE	7952 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.72	.00	28	
SWEETWATER 2 E	8652 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.010	28	*****	.01	3	
TALOGA	8708 4	47.6	28	7.5	78.	17	19.	20	488.5	-208.5	.0	.0	.000	28	-.94	.00	28	
THOMAS	8815 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.020	28	*****	.02	8	
VICI	9172 4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	*****	.00	3	
WATONGA	9364 4	49.0	28	*****	78.	17	22.	15	449.0	*****	.0	*****	.002	28	-1.05	.00	25	
WEATHERFORD	9422 4	48.8	28	7.1	80.	18	23.	25	454.0	-198.0	.0	.0	.000	28	-.99	.00	28	

FEBRUARY 1991 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	DEV							HEAT		DEV		COOL		DEV		TOT	NUM	OBS	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	DEG	FROM	PPT							
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.000	28	*****	.00	28					
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.030	28	*****	.02	18					
TINKER AFB	325	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.112	28	*****	.08	5					
BLANCHARD 2 SSW	830	5	50.7	23	*****	79.	17	22.	15	330.0	*****	.0	*****	*****	.031	28	*****	.03	5					
BRISTOW	1144	5	48.3	28	5.8	78.	17	19.	15	469.0	-164.0	.0	.0	.015	28	-1.60	.01	25						
CHICKASHA EX ST	1750	5	48.6	28	5.5	78.	18	18.	20	459.5	-153.5	.0	.0	.050	28	-1.16	.03	4						
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.252	28	*****	.25	6						
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.020	28	*****	.02	5						
CUSHING	2318	5	47.4	28	7.4	78.	18	23.	1	491.5	-208.5	.0	.0	.000	28	-1.31	.00	28						
EL RENO 1 N	2818	5	48.4	27	7.1	79.	17	19.	15	449.0	-215.0	.0	.0	.000	27	*****	.00	28						
GUTHRIE	3821	5	50.4	28	9.1	80.	17	19.	15	409.0	-255.0	.0	.0	.001	28	-1.26	.00	25						
HENNESSEY 2 SE	4055	5	47.7	28	7.1	78.	17	15.	15	483.5	-199.5	.0	.0	.030	28	-1.13	.03	25						
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.043	28	*****	.02	25						
KINGFISHER 2 SE	4861	5	48.0	28	6.8	79.	17	18.	15	475.5	-190.5	.0	.0	.101	28	-1.03	.10	5						
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.230	28	-1.42	.20	5						
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-1.16	.00	28						
MEEKER 4 W	5779	5	48.4	28	6.5	78.	17	20.	16	465.0	-182.0	.0	.0	.130	28	-1.34	.13	5						
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28						
NORMAN 3 S	6386	5	49.3	28	*****	79.	17	22.	20	441.0	*****	.0	*****	.201	28	-1.13	.20	5						
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.002	28	*****	.00	27						
OKEMAH	6638	5	49.1	28	6.0	77.	17	20.	15	444.0	-169.0	.0	.0	.002	28	-1.45	.00	25						
OKLAHOMA CITY WS	6661	5	49.7	28	8.9	79.	17	23.	15	428.0	-250.0	.0	.0	.033	28	-1.26	.03	6						
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.080	28	-1.18	.08	18						
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.020	28	*****	.02	18						
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.341	28	-1.16	.34	6						
PURCELL 5 SW	7327	5	48.4	28	6.2	78.	17	17.	20	465.0	-173.0	.0	.0	.601	28	-.74	.45	5						
SEMINOLE	8042	5	50.1	28	5.6	78.	17	21.	15	417.5	-156.5	.0	.0	.080	28	-1.47	.05	5						
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.241	28	-1.29	.24	5						
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.390	28	*****	.33	5						
STILLWATER 2 W	8501	5	46.2	28	5.7	81.	18	15.	1	527.5	-158.5	.0	.0	.063	28	-1.14	.06	13						
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.053	28	*****	.03	25						
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.122	28	*****	.11	5						
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.060	28	*****	.06	5						
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-1.41	.00	28						
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.120	28	*****	.10	5						
WENOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.001	28	-1.68	.00	17						

FEBRUARY 1991 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	DEV							HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY	DAY									
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.185	28	*****	.09	6
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.390	28	*****	.37	5
BOYNTON	1027	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.501	28	*****	.14	25
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.204	28	-1.70	.20	28
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.241	28	-1.63	.17	5
CLAYTON 11 WNW	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.230	28	*****	.23	6
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.390	28	-1.42	.37	5
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.560	28	*****	.48	5
EUFULA	2993	6	48.7	28	*****	73.	17	24.	15	456.0	*****	.0	*****	.791	28	-1.28	.47	5
HANNA	3884	6	48.1	28	*****	76.	17	20.	16	474.0	*****	.0	*****	.271	28	-1.59	.19	5
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.310	28	*****	.23	6
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.670	28	-1.25	.32	5
HOLDENVILLE	4235	6	48.9	28	4.8	78.	17	20.	16	451.0	-142.0	.0	-8.0	.002	28	-1.68	.00	13
LAKE EUFAULA	4975	6	47.3	28	*****	71.	19	22.	16	495.5	*****	.0	*****	.472	28	*****	.35	5
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.850	28	-1.10	.31	25
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.000	28	*****	.31	5
MCALESTER FAA	5664	6	48.9	28	5.8	74.	17	20.	16	452.5	-160.5	1.0	1.0	.283	28	-1.98	.14	6
MCCURTAIN 1 SE	5693	6	50.5	28	*****	76.	18	18.	16	408.0	*****	2.0	*****	.311	28	-2.22	.15	6
MUSKOGEE	6130	6	47.7	28	4.8	74.	17	20.	15	484.5	-134.5	.0	.0	1.351	28	-.76	.52	28
OKMULGEE W W	6670	6	43.6	28	.6	77.	18	14.	1	600.5	-15.5	.0	.0	.302	28	-1.49	.22	5
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.620	28	*****	.20	5
QUINTON	7372	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.464	28	-1.64	.17	5
SALLISAW 2 NE	7862	6	46.6	28	3.2	72.	18	17.	16	516.5	-88.5	.0	.0	.071	28	-2.41	.07	25
SCIPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.200	28	*****	.15	5
SCRAPER	7993	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.390	28	*****	.27	5
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.880	28	*****	.31	25
STILWELL 1 NE	8506	6	46.7	28	*****	72.	18	15.	16	513.0	*****	.0	*****	.911	28	-1.66	.42	25
TAHLEQUAH	8677	6	46.9	28	4.8	70.	21	18.	15	507.5	-133.5	.0	.0	.901	28	-1.52	.46	25
WEBBERS FALLS	9445	6	45.4	28	4.6	73.	18	17.	1	549.5	-128.5	.0	.0	.700	28	-1.61	.40	5
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.760	28	*****	.35	25
WEITUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.263	28	-1.34	.26	5

FEBRUARY 1991 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV							HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN TEMP	DAY	DAY									
ALTUS IRR STA	179	7	49.8	28	5.4	82.	17	22.	20	425.5	-151.5	.0	.0	.010	28	-.91	.01	13
ALTUS DAM	184	7	49.8	28	*****	80.	18	26.	26	424.5	*****	.0	*****	.000	28	-.94	.00	28
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.002	28	*****	.00	14
CARNEGIE 2 ENE	1504	7	48.8	28	6.2	82.	17	17.	21	453.5	-173.5	.0	.0	.000	28	-1.15	.00	28
CHATTANOOGA	1706	7	49.5	28	5.2	80.	17	19.	20	434.0	-146.0	.0	.0	.000	28	-1.13	.00	28
DUNCAN 12 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
FREDERICK	3353	7	47.8	28	2.1	78.	17	26.	14	480.5	-69.5	.0	-10.0	.000	28	-1.02	.00	28
GRANDFIELD 4 NW3709	*****	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-1.18	.00	28
HOBART FAA APT	4204	7	48.9	28	7.7	80.	17	23.	20	449.5	-216.5	.0	.0	.000	28	-.91	.00	28
HOLLIS	4249	7	49.1	28	4.8	81.	17	21.	21	444.0	-136.0	.0	.0	.001	28	-.77	.00	28
LAWTON	5063	7	48.5	27	4.8	73.	12	26.	19	446.5	-149.5	.0	.0	.010	28	-1.16	.01	28
FORT SILL	5068	7	50.0	28	*****	80.	17	26.	20	419.0	*****	.0	*****	.002	28	-1.17	.00	28
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
MANGUM RES STA	5509	7	48.7	28	4.8	80.	17	20.	15	456.5	-134.5	.0	.0	.000	28	-.86	.00	28
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.96	.00	28
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	-.66	.00	28
WALTERS	9278	7	50.5	28	5.5	80.	17	22.	20	406.0	-154.0	.0	.0	.000	28	-1.27	.00	28
WICHITA MT WLR	9629	7	46.6	28	3.8	73.	18	18.	20	514.0	-108.0	.0	.0	.050	28	-1.12	.05	13
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.020	28	*****	.02	4

FEBRUARY 1991 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

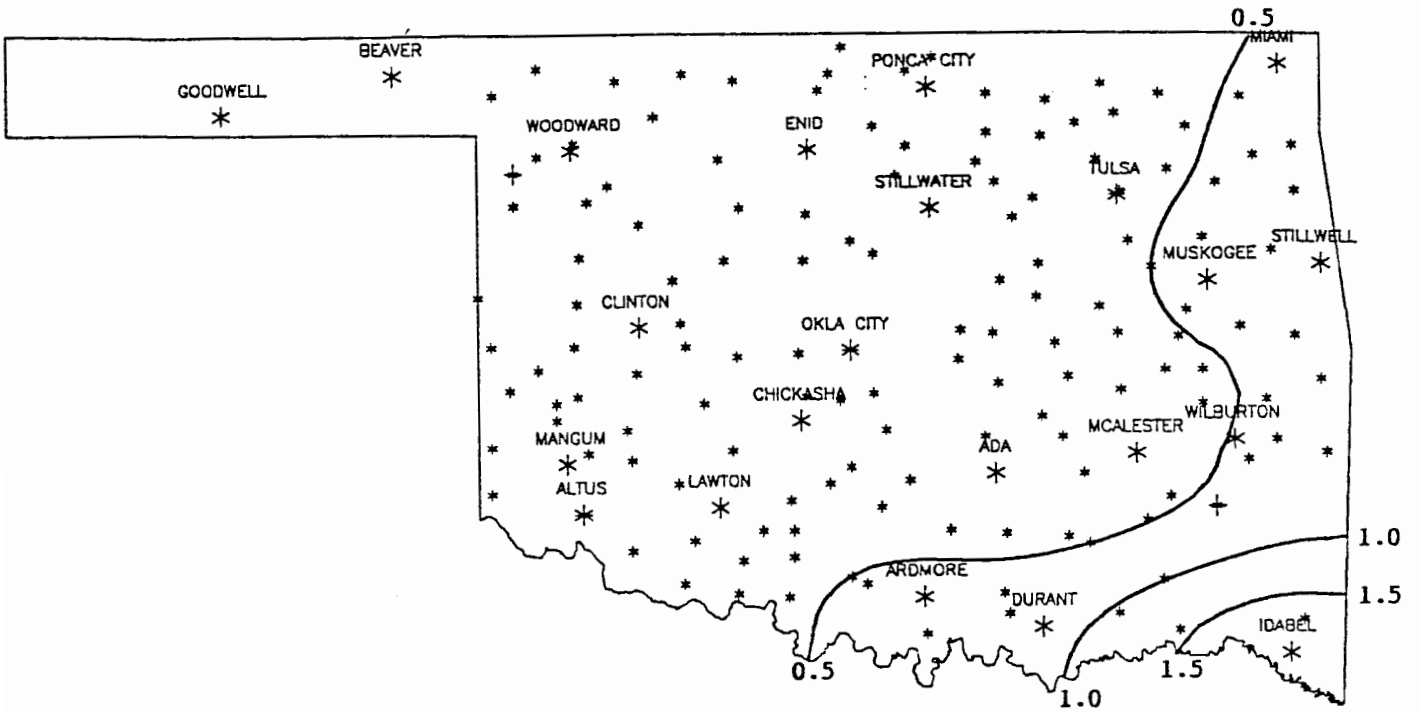
NAME	ID	CD	DEV						HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS						
ADA	17	8	49.7	28	5.0	77.	17	22.	16	428.5	-139.5	.0	.0	.670	28	-1.21	.58	6				
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28				
ARDMORE	292	8	51.8	28	4.3	80.	17	20.	16	371.0	-130.0	.0	-9.0	.221	28	-1.44	.15	5				
ATOKA DAM	394	8	48.2	28	*****	76.	18	20.	1	469.5	*****	.0	*****	.352	28	*****	.31	6				
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.950	28	*****	.35	22				
CANEY	1437	8	50.9	28	*****	75.	18	25.	15	398.0	*****	2.0	*****	.310	28	*****	.25	6				
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.300	28	*****	.30	5				
CHICKASAW NRA	1745	8	48.0	28	*****	78.	18	18.	1	477.0	*****	.0	*****	.310	28	*****	.22	6				
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.150	28	*****	.15	5				
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.160	28	*****	.16	6				
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.191	28	-2.50	.19	5				
DUNCAN	2660	8	49.1	28	4.2	78.	18	22.	1	445.5	-124.5	.0	-8.0	.061	28	-1.15	.06	6				
DURANT USDA	2678	8	49.6	28	*****	78.	14	18.	1	430.0	*****	.0	*****	.980	28	-1.27	.57	6				
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	28	*****	.00	28				
FARRIS 3 WNW	3083	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.910	28	*****	.55	5				
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.250	28	*****	.75	6				
HEALDTON	4001	8	49.7	28	*****	78.	17	21.	1	428.5	*****	.0	*****	1.430	28	.08	1.08	6				
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.080	28	*****	.08	5				
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.752	28	-1.51	.34	6				
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.253	28	*****	.25	6				
LINDSAY 2 W	5216	8	49.5	28	*****	78.	17	19.	20	433.0	*****	.0	*****	.202	28	-1.22	.13	6				
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.810	28	*****	.69	6				
MADILL	5468	8	50.5	27	4.6	78.	17	24.	1	393.0	-147.0	2.5	-2.5	.730	28	-1.39	.57	5				
MARIETTA	5563	8	52.0	28	5.9	79.	17	27.	20	366.5	-169.5	2.0	-4.0	1.112	28	-.66	.55	6				
MARLOW 1 WSW	5581	8	51.0	28	*****	80.	17	19.	20	392.0	*****	.0	*****	.010	28	-1.19	.01	13				
PAULS VALLEY	6926	8	49.3	28	4.8	79.	17	19.	20	441.0	-133.0	.0	.0	.281	28	-1.21	.20	6				
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.340	28	-1.59	.22	5				
TISHOMINGO NWLR8884	8	48.4	25	*****	77.	17	19.	1	414.5	*****	.0	*****	.611	28	-1.44	.50	6					
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.620	28	*****	.39	4				
WAURIKA	9395	8	52.1	28	5.9	81.	17	24.	20	362.5	-169.5	.0	-5.0	.621	28	-.68	.62	6				

FEBRUARY 1991 SUMMARY FOR SOUTHEAST DIVISION (CD9)

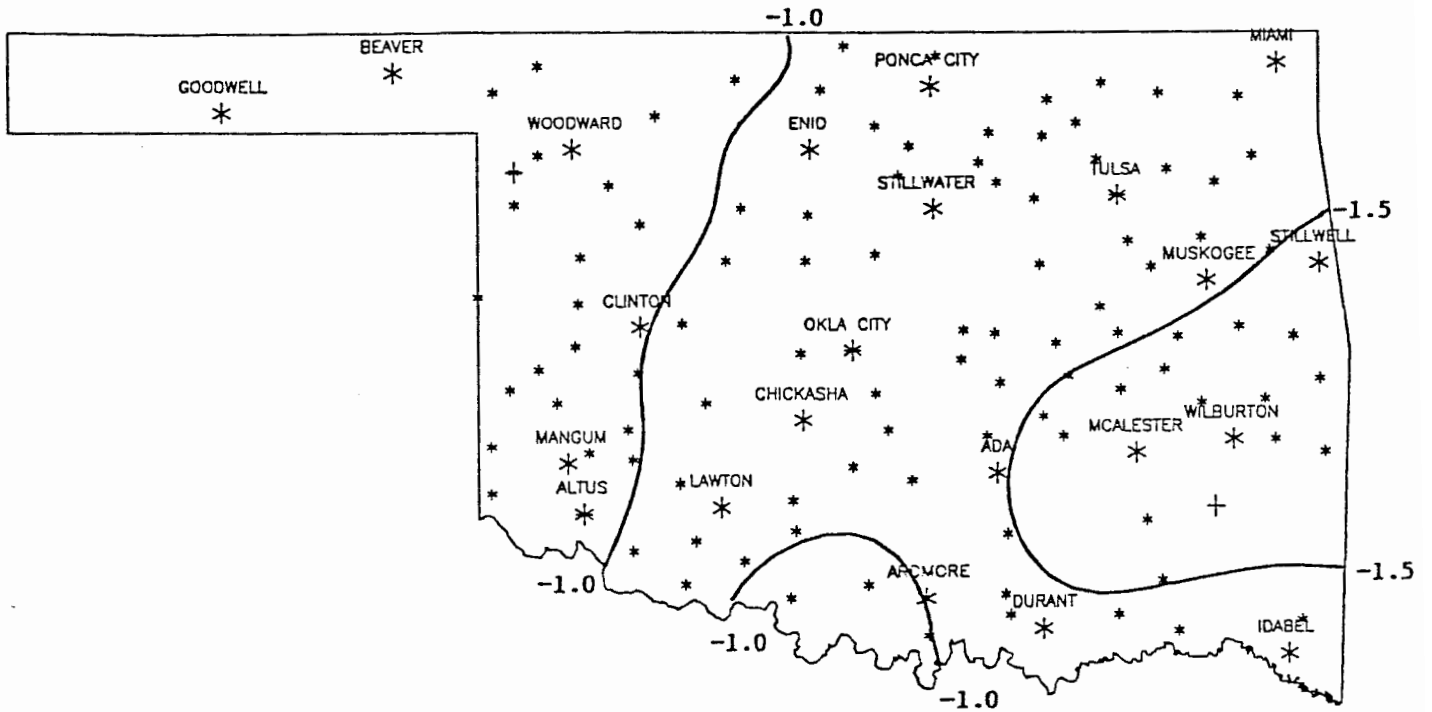
NAME	ID	CD	DEV						HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS						
ANTLERS	256	9	49.7	28	4.8	76.	18	21.	16	429.5	-133.5	2.0	2.0	.901	28	-1.85	.54	4				
BEAR MT TWR	584	9	51.2	28	*****	76.	13	24.	16	387.0	*****	.5	*****	2.390	28	-.98	1.14	5				
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.351	28	*****	.24	6				
BOSWELL 4 NNW	980	9	52.5	28	*****	77.	18	26.	16	355.5	*****	6.5	*****	.986	28	-1.79	.39	6				
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.380	28	-.91	1.46	5				
BROKEN BOW DAM	1168	9	47.6	28	*****	79.	14	19.	2	488.0	*****	.0	*****	2.010	28	*****	.70	5				
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.080	28	-1.25	.78	5				
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.510	28	-2.28	.22	6				
FLAGPOLE TWR	3169	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.240	28	*****	.20	6				
HEAVENER 1 SE	4008	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.721	28	-2.00	.44	6				
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.840	28	*****	.72	5				
HUGO	4384	9	51.5	28	4.6	77.	13	23.	2	386.0	-127.0	8.5	2.5	2.613	28	-.16	1.51	5				
POTEAU	7246	9	48.4	26	*****	77.	18	17.	15	432.5	*****	.0	*****	1.363	26	*****	.87	28				
SMITHVILLE 1 W	8285	9	46.8	28	*****	77.	13	14.	16	509.0	*****	.5	*****	1.540	28	*****	.75	5				
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.590	28	-2.11	.21	6				
TUSKAHOMA	9023	9	49.4	28	*****	77.	18	16.	16	442.0	*****	6.5	*****	.562	28	*****	.34	6				
VALLANT 3 W	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.790	28	-.48	1.72	5				
WILBURTON 9 ENE9634	9	48.4	28	4.4	78.	18	17.	16	467.0	-121.0	1.0	1.0	1.102	28	-1.52	.80	28					

FEBRUARY 1991 CLIMATE DIVISION SUMMARY

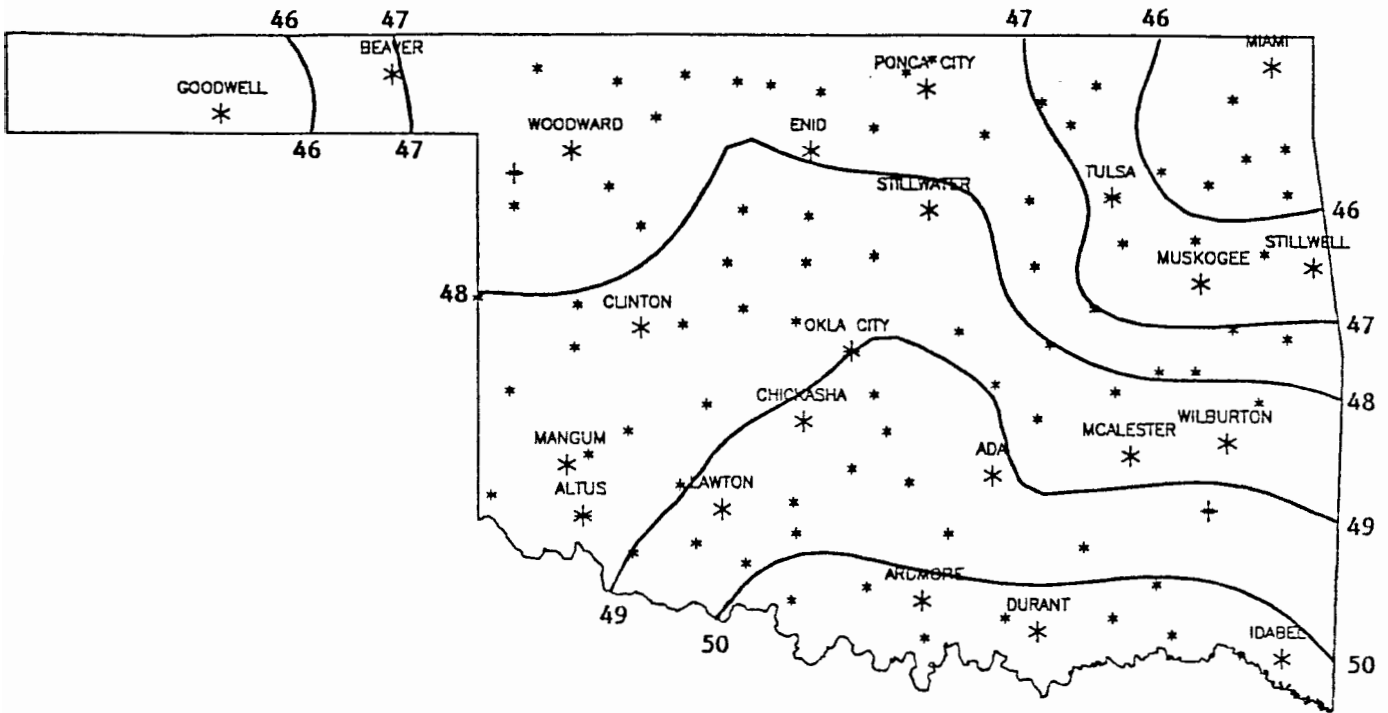
CLIMATE	MEAN	NUM	DEV		MIN	DAY	TEMP	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV	
			FROM	MAX											DEGREE	FROM
DIV	TEMP	STA	NORM	TEMP	DAY	TEMP	DAY	DAYS	NORM	DAYS	NORM	PPT	STA	NORM	24-HR	DAY
1	44.9	10	6.3	79.0	28	11.0	25	558.7	-180.2	.0	.0	.00	13	-.59	.01	25
2	47.4	14	7.6	80.0	18	12.0	15	493.6	-212.9	.0	.0	.05	23	-1.03	.15	4
3	46.3	15	6.2	79.0	17	11.0	19	522.4	-174.5	.0	.0	.33	29	-1.19	.53	5
4	48.4	10	7.2	81.0	17	17.0	16	463.1	-202.9	.0	.0	.00	20	-.94	.02	8
5	48.6	14	6.8	81.0	18	15.0	1	458.9	-191.8	.0	.0	.10	35	-1.26	.45	5
6	47.4	12	4.7	78.0	17	14.0	1	492.4	-131.2	.3	-.9	.50	31	-1.57	.52	28
7	49.0	12	5.2	82.0	17	17.0	21	446.1	-148.8	.0	-1.0	.00	22	-1.01	.05	13
8	50.1	14	4.4	81.0	17	18.0	1	416.9	-129.0	.5	-4.3	.49	30	-1.28	1.08	6
9	49.6	8	4.5	79.0	14	14.0	16	433.0	-125.8	3.2	1.7	1.39	17	-1.53	1.72	5



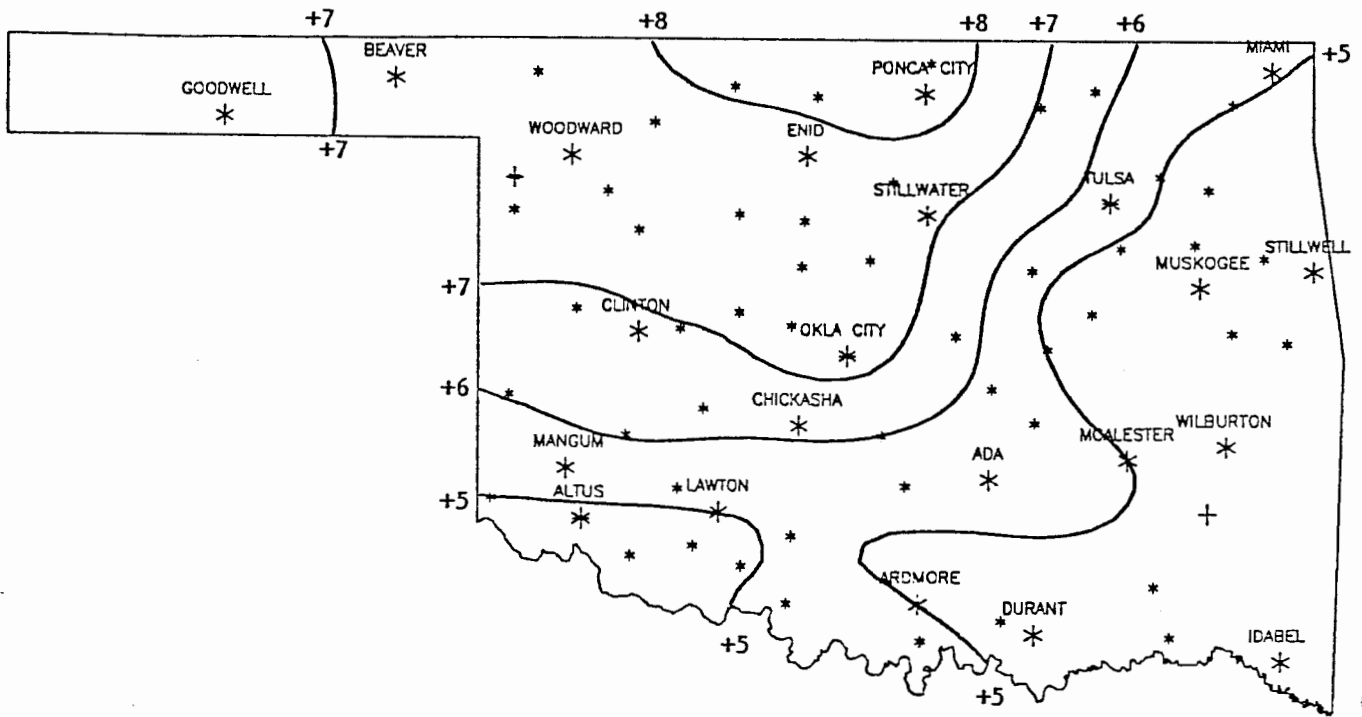
FEBRUARY 1991 TOTAL PRECIPITATION
(Inches)



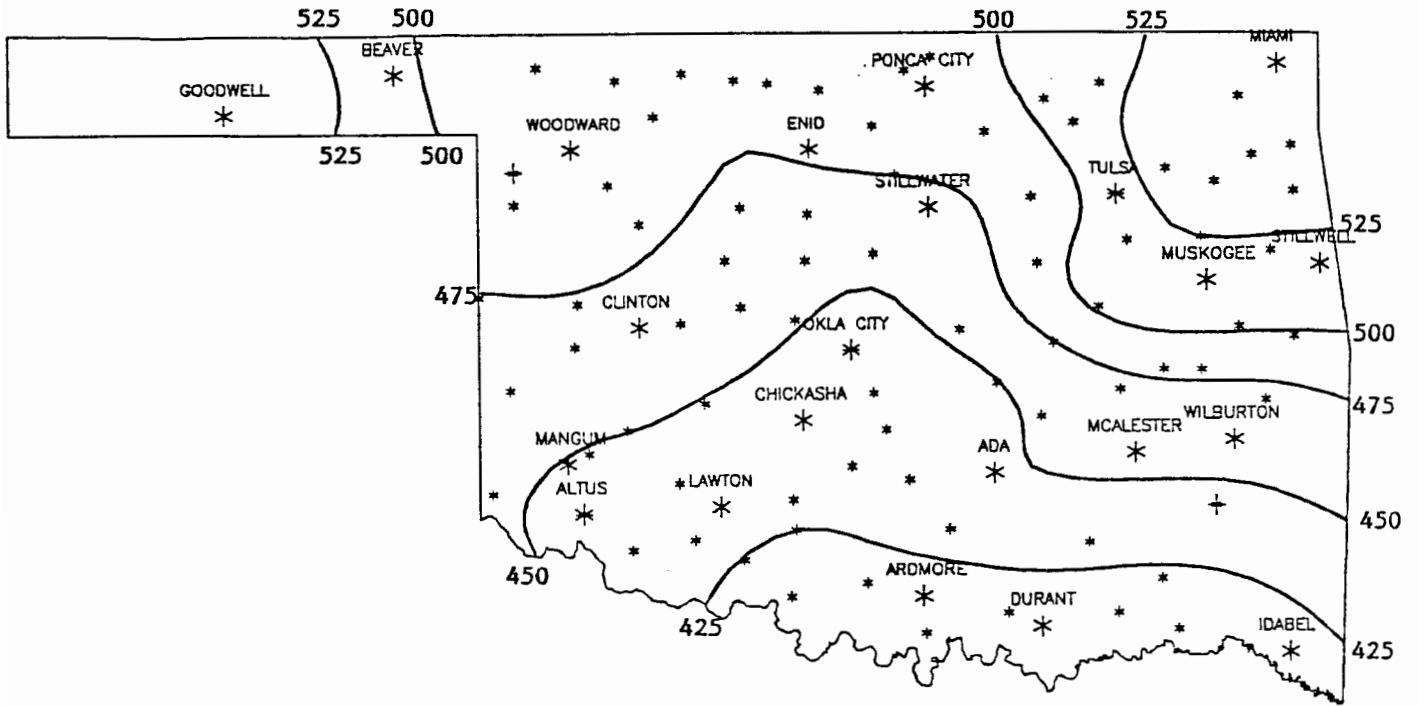
FEBRUARY 1991 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



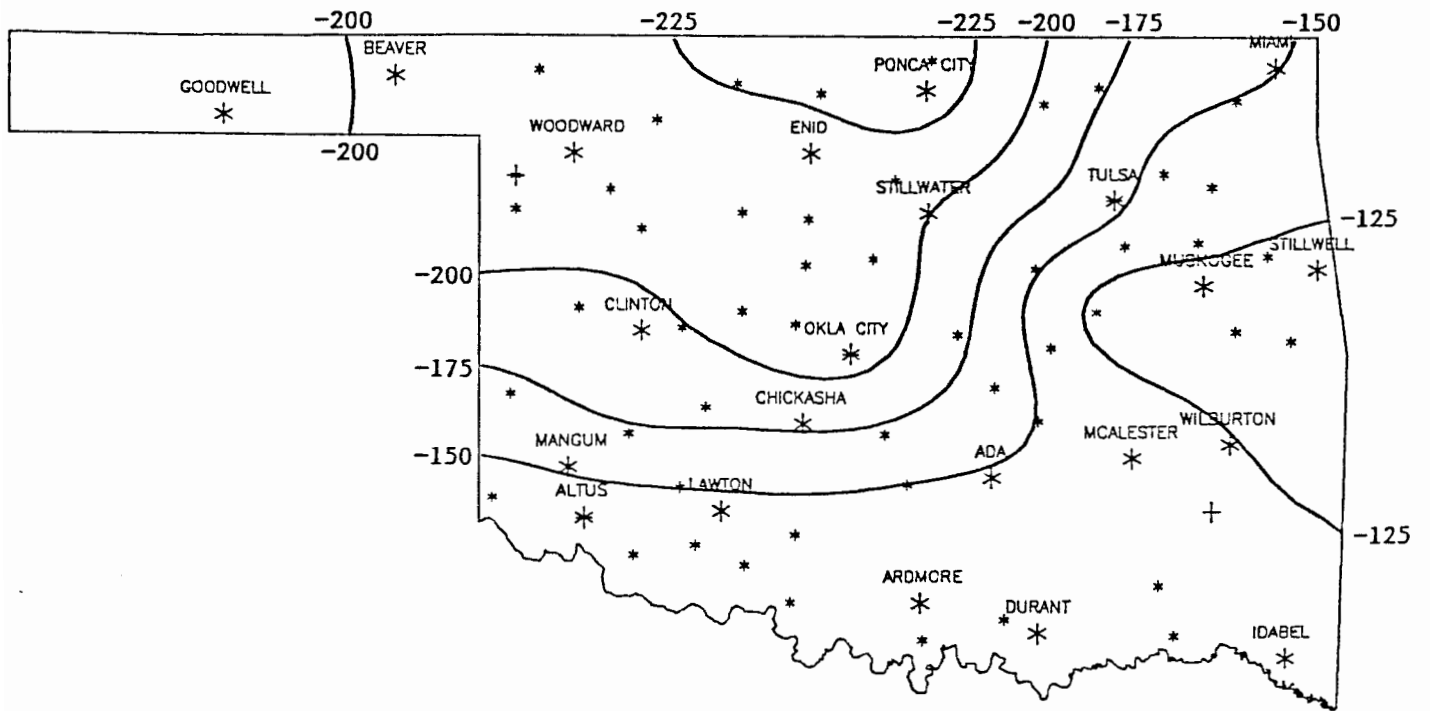
FEBRUARY 1991 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



FEBRUARY 1991 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)

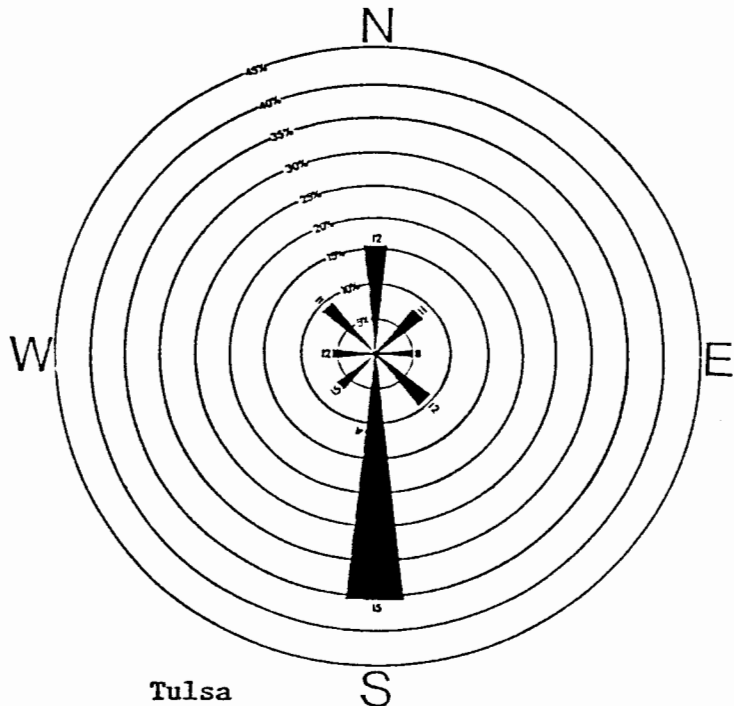
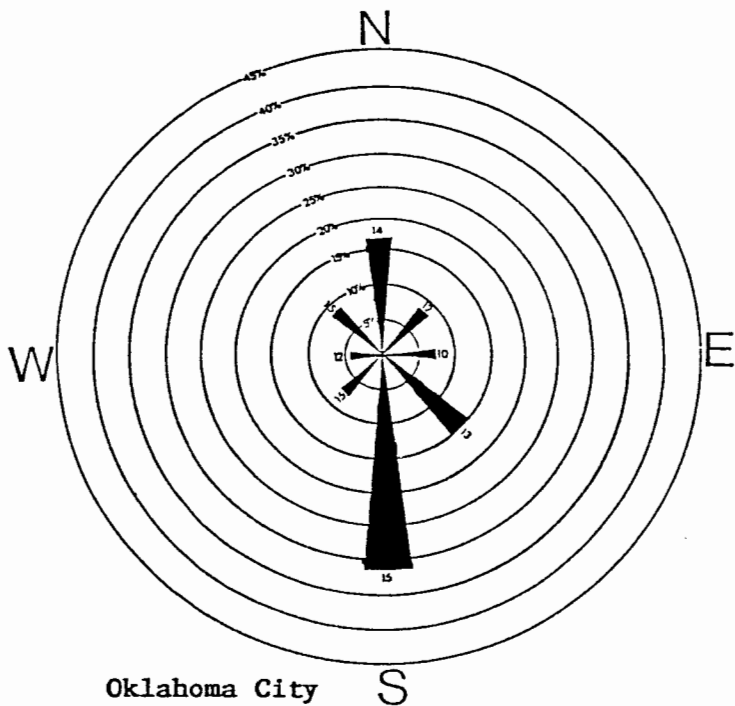


FEBRUARY 1991 HEATING DEGREE DAYS



FEBRUARY 1991 DEVIATION FROM NORMAL HEATING DEGREE DAYS

April wind roses for Oklahoma City and Tulsa for 10-year (1965-1974) mean winds (data adapted from NOAA Airport Climatology Series). Percents represent the percentages for winds coming from a direction. The numbers at the end of the bars indicate the average speed (miles per hour) of winds from that direction.



APRIL 1991 SUNRISE AND SUNSET*

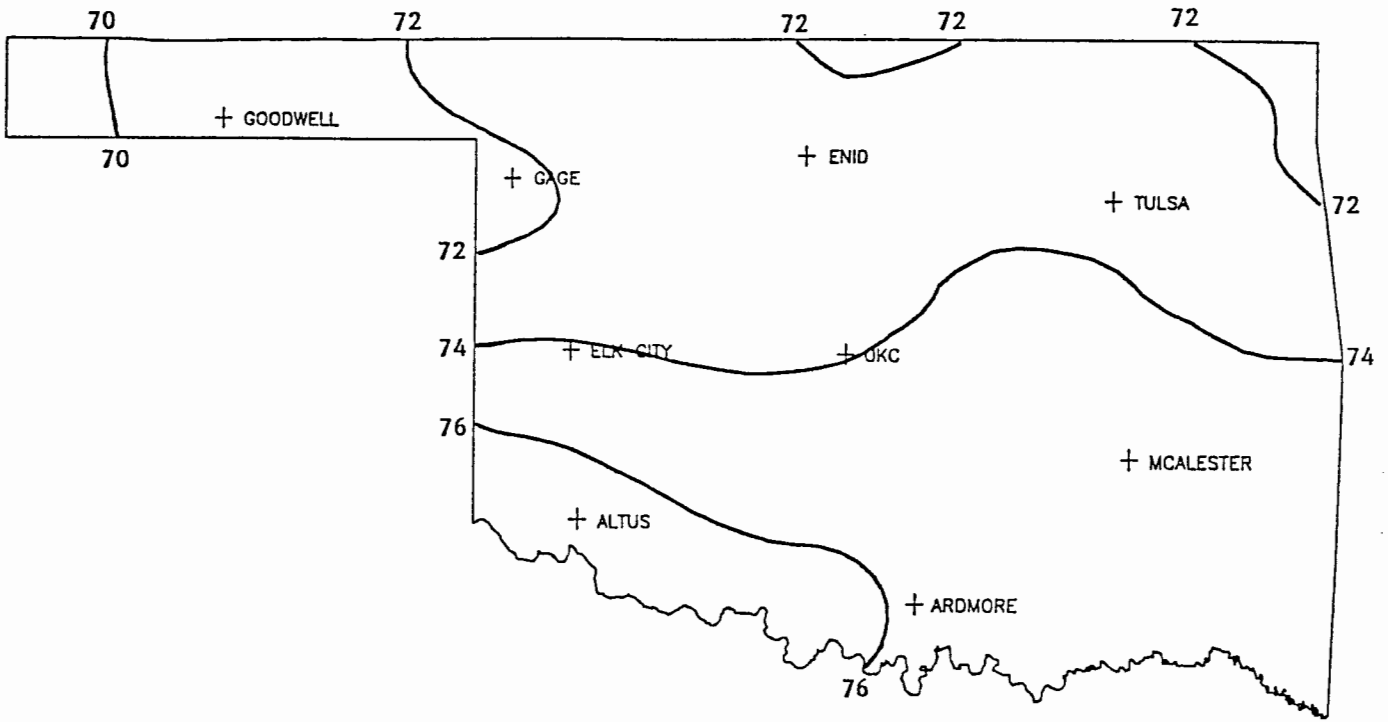
Oklahoma City

DATE	SUNRISE	SUNSET	DAYLIGHT
910401	7:19AM	7:51PM LT	12:32
910402	7:17AM	7:51PM LT	12:34
910403	7:16AM	7:52PM LT	12:36
910404	7:14AM	7:53PM LT	12:39
910405	7:13AM	7:54PM LT	12:41
910406	7:12AM	7:55PM LT	12:43
910407	7:10AM	7:55PM LT	12:45
910408	7: 9AM	7:56PM LT	12:47
910409	7: 7AM	7:57PM LT	12:50
910410	7: 6AM	7:58PM LT	12:52
910411	7: 5AM	7:58PM LT	12:54
910412	7: 3AM	7:59PM LT	12:56
910413	7: 2AM	8: 0PM LT	12:58
910414	7: 1AM	8: 1PM LT	13: 0
910415	6:59AM	8: 2PM LT	13: 2
910416	6:58AM	8: 2PM LT	13: 4
910417	6:57AM	8: 3PM LT	13: 7
910418	6:55AM	8: 4PM LT	13: 9
910419	6:54AM	8: 5PM LT	13:11
910420	6:53AM	8: 6PM LT	13:13
910421	6:52AM	8: 6PM LT	13:15
910422	6:50AM	8: 7PM LT	13:17
910423	6:49AM	8: 8PM LT	13:19
910424	6:48AM	8: 9PM LT	13:21
910425	6:47AM	8:10PM LT	13:23
910426	6:46AM	8:10PM LT	13:25
910427	6:45AM	8:11PM LT	13:27
910428	6:44AM	8:12PM LT	13:28
910429	6:42AM	8:13PM LT	13:30
910430	6:41AM	8:14PM LT	13:32

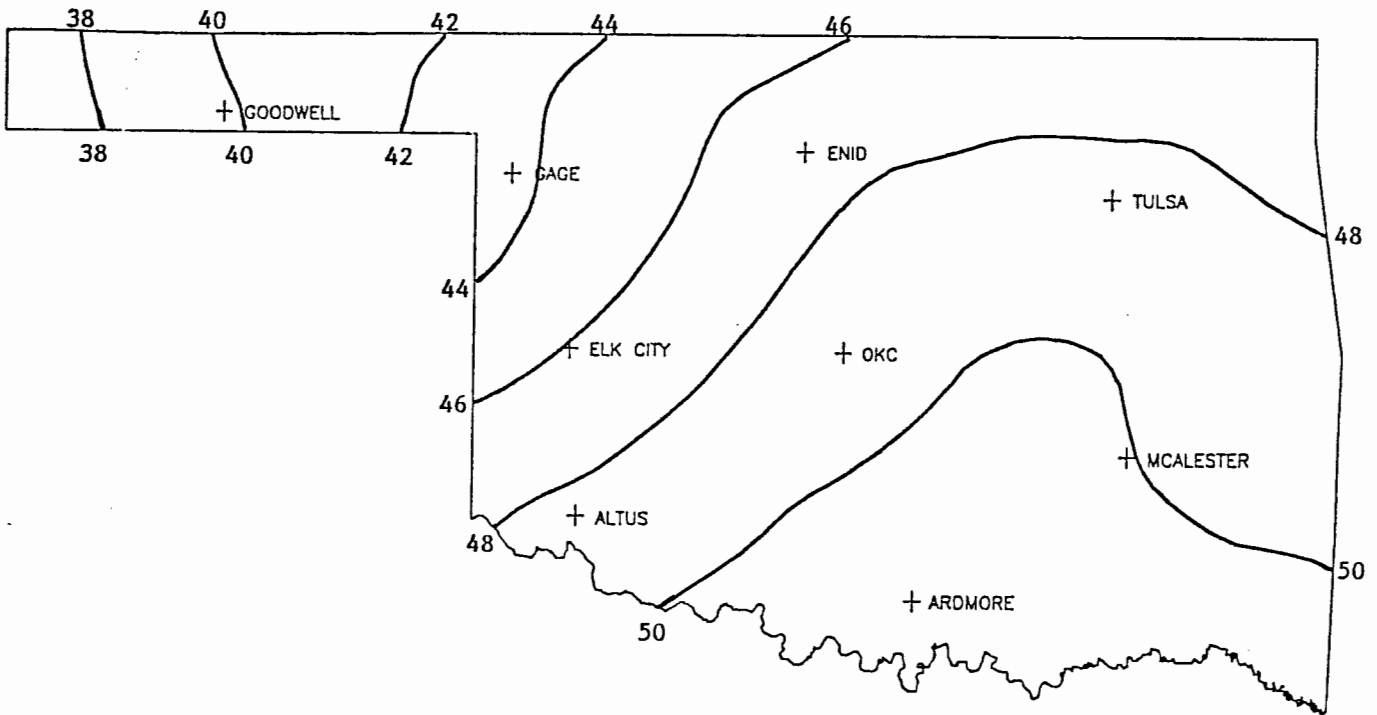
Tulsa

DATE	SUNRISE	SUNSET	DAYLIGHT
910401	7:11AM	7:44PM LT	12:33
910402	7:10AM	7:45PM LT	12:35
910403	7: 8AM	7:46PM LT	12:37
910404	7: 7AM	7:47PM LT	12:40
910405	7: 6AM	7:47PM LT	12:42
910406	7: 4AM	7:48PM LT	12:44
910407	7: 3AM	7:49PM LT	12:46
910408	7: 1AM	7:50PM LT	12:49
910409	7: 0AM	7:51PM LT	12:51
910410	6:59AM	7:52PM LT	12:53
910411	6:57AM	7:52PM LT	12:55
910412	6:56AM	7:53PM LT	12:57
910413	6:54AM	7:54PM LT	12:60
910414	6:53AM	7:55PM LT	13: 2
910415	6:52AM	7:56PM LT	13: 4
910416	6:50AM	7:57PM LT	13: 6
910417	6:49AM	7:57PM LT	13: 8
910418	6:48AM	7:58PM LT	13:10
910419	6:46AM	7:59PM LT	13:13
910420	6:45AM	8: 0PM LT	13:15
910421	6:44AM	8: 1PM LT	13:17
910422	6:43AM	8: 1PM LT	13:19
910423	6:41AM	8: 2PM LT	13:21
910424	6:40AM	8: 3PM LT	13:23
910425	6:39AM	8: 4PM LT	13:25
910426	6:38AM	8: 5PM LT	13:27
910427	6:37AM	8: 6PM LT	13:29
910428	6:35AM	8: 6PM LT	13:31
910429	6:34AM	8: 7PM LT	13:33
910430	6:33AM	8: 8PM LT	13:35

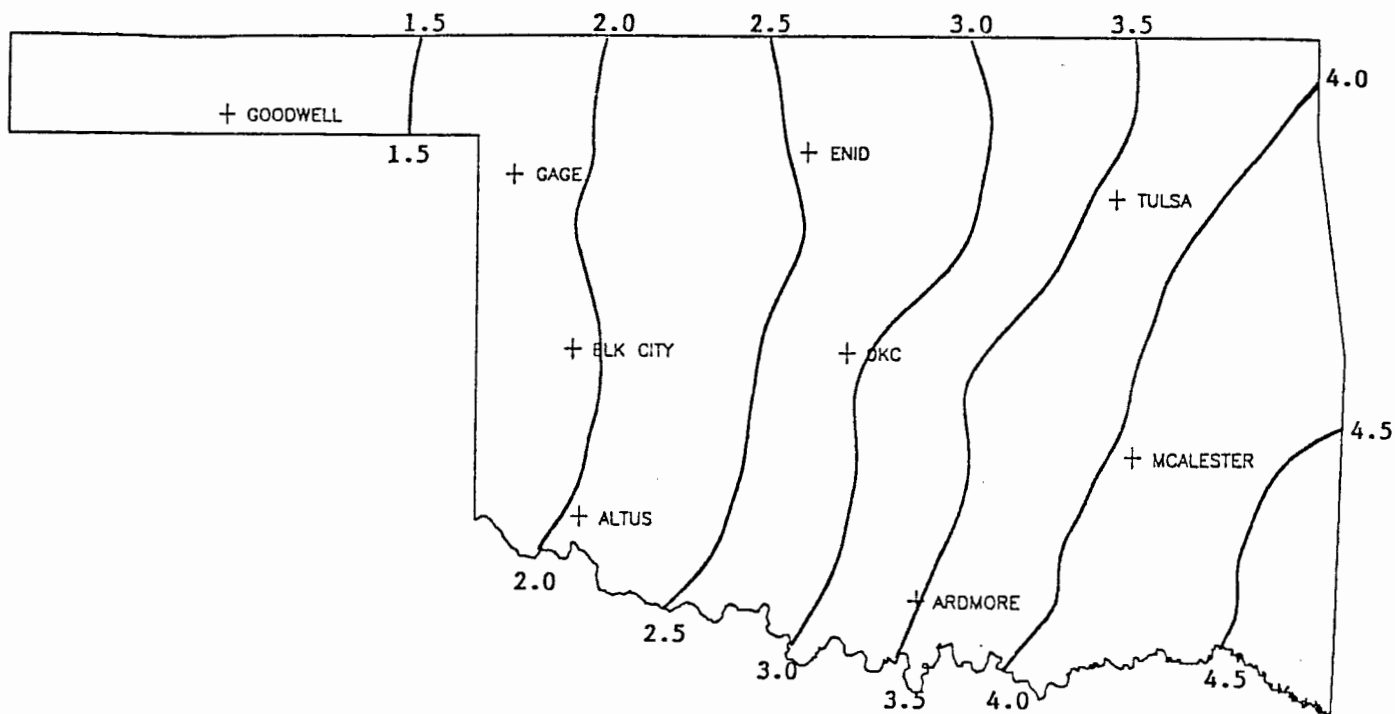
* Daylight Savings Time



30-YEAR MEAN APRIL DAILY MAXIMUM TEMPERATURE



30-YEAR MEAN APRIL DAILY MINIMUM TEMPERATURE



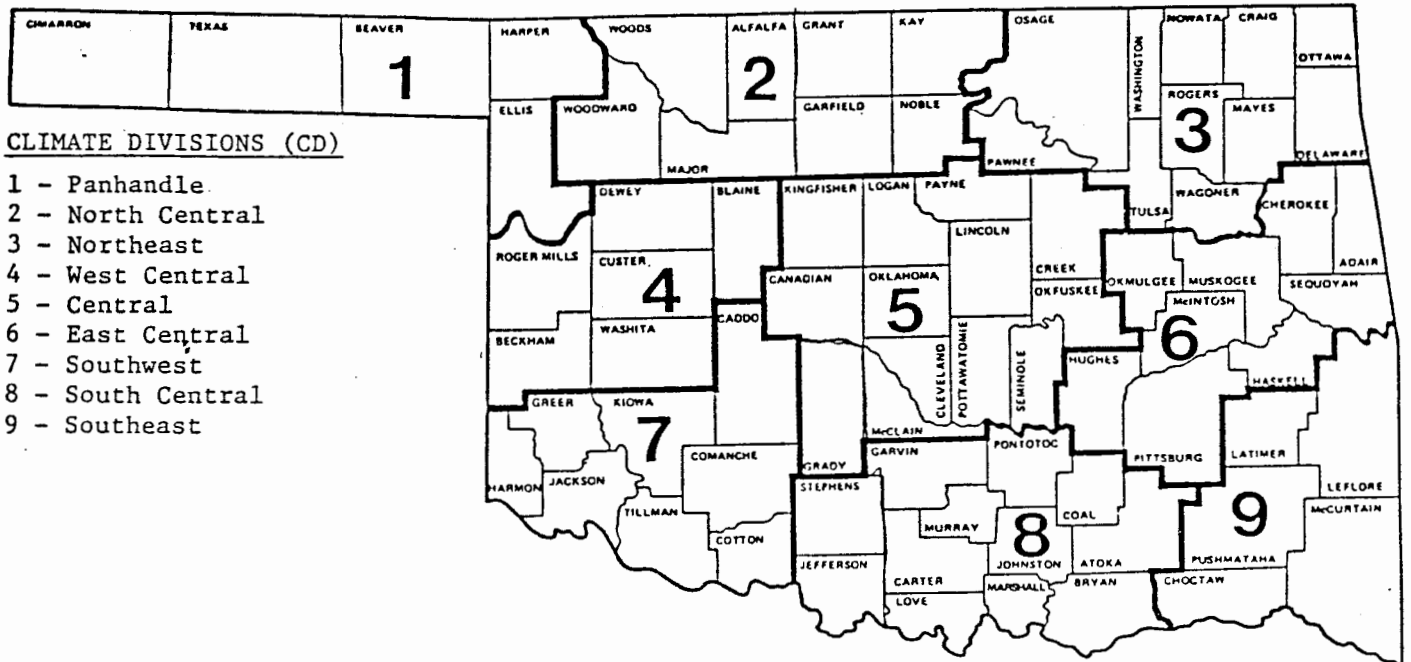
30-YEAR MEAN APRIL PRECIPITATION

90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(March-May 1991)

Precipitation - Above Normal West
Near Normal Elsewhere

Temperature - Near Normal Statewide



CLIMATE DIVISIONS (CD)

- 1 - Panhandle
- 2 - North Central
- 3 - Northeast
- 4 - West Central
- 5 - Central
- 6 - East Central
- 7 - Southwest
- 8 - South Central
- 9 - Southeast

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 a comfortable indoor temperature. 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 a comfortable indoor temperature. 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.

CLIMATE CALENDAR

The data on this calendar are for Oklahoma City.
 Normal values are calculated for the period
 1948-1988. Extremes are found for the period
 of record (1924-present).

Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual																												
67.3 max 44.1 min .040 pcpn 10 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	92-1946 45-1938 28-1972 68-1946 84-1988	69.6 max 45.2 min .077 pcpn 8 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	87-1946 43-1949 20-1936 67-1940 .94-1956	68.1 max 44.1 min .093 pcpn 9 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	89-1950 43-1944 21-1975 66-1934 1.29-1986	66.0 max 42.4 min .023 pcpn 11 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	89-1942 43-1970 29-1945 68-1929 1.31-1947	67.0 max 42.2 min .143 pcpn 11 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	87-1959 47-1983 26-1970 65-1978 3.39-1953	71.8 max 44.7 min .009 pcpn 2 HDD 8 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	94-1954 44-1940 26-1936 68-1932 1.24-1940	70.7 max 46.7 min .048 pcpn 7 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	87-1946 38-1938 27-1938 65-1946 1.76-1942	68.6 max 47.4 min .096 pcpn 8 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	84-1977 44-1942 28-1938 62-1978 1.30-1947	68.5 max 45.0 min .065 pcpn 9 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	90-1930 44-1973 28-1938 66-1927 2.91-1944	70.2 max 47.0 min .042 pcpn 7 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	90-1972 47-1926 29-1940 66-1972 1.10-1974	69.5 max 47.2 min .096 pcpn 8 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	100-1972 35-1957 23-1957 70-1972 3.11-1967	71.0 max 46.2 min .078 pcpn 7 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	92-1936 46-1928 28-1957 68-1972 2.06-1945	71.8 max 47.7 min .054 pcpn 6 HDD 1 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	90-1940 54-1961 20-1928 66-1982 1.67-1947	73.3 max 49.2 min .087 pcpn 5 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	92-1940 54-1950 34-1953 66-1937 1.08-1970	73.6 max 52.0 min .088 pcpn 4 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	94-1987 48-1953 30-1953 66-1964 2.97-1942	73.8 max 52.0 min .161 pcpn 4 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	94-1987 54-1983 33-1953 68-1948 1.48-1929	74.3 max 51.7 min .029 pcpn 4 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	91-1961 50-1959 33-1966 69-1985 2.07-1937	74.8 max 52.8 min .112 pcpn 4 HDD 3 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	91-1959 57-1979 39-1988 69-1970 1.20-1986	75.1 max 52.3 min .144 pcpn 4 HDD 3 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	95-1955 55-1928 34-1959 69-1961 1.41-1985	75.4 max 51.3 min .074 pcpn 4 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	88-1989 52-1947 40-1959 68-1961 .96-1945	75.6 max 52.1 min .091 pcpn 4 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	91-1939 54-1947 40-1977 65-1949 1.09-1966	75.2 max 52.8 min .235 pcpn 3 HDD 2 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	74.4 max 53.5 min .195 pcpn 3 HDD 3 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	74.4 max 53.5 min .195 pcpn 3 HDD 3 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	92-1936 58-1971 39-1956 68-1933 2.87-1974	74.4 max 53.5 min .195 pcpn 3 HDD 3 CDD Highest Max Lowest Max Lowest Min Highest Min Greatest pcpn	93-1948 56-1960 38-1984 68-1936 2.13-1970

APRIL AVERAGES

Temperature : 60.2°F
 Precipitation : 2.77"
 Heating Degree Days: 186
 Cooling Degree Days: 49