

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.

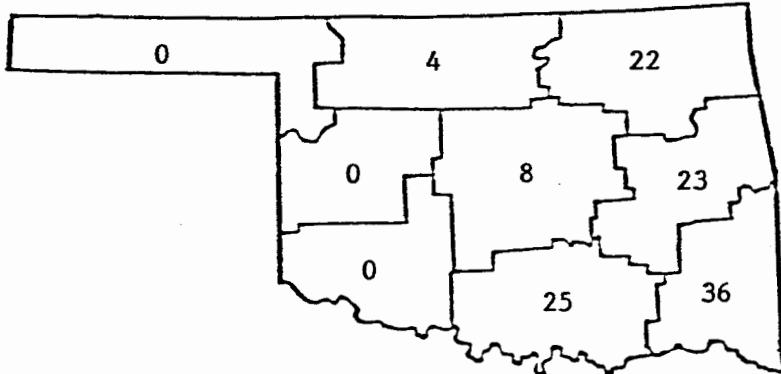
The warmth continued beyond the frontal passage, as maximum temperatures reached into the upper 70's across western Oklahoma on the 12th and 13th. The low temperature of 65 degrees at Hugo on the 13th was their warmest minimum temperature recorded in February since 1948.

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.

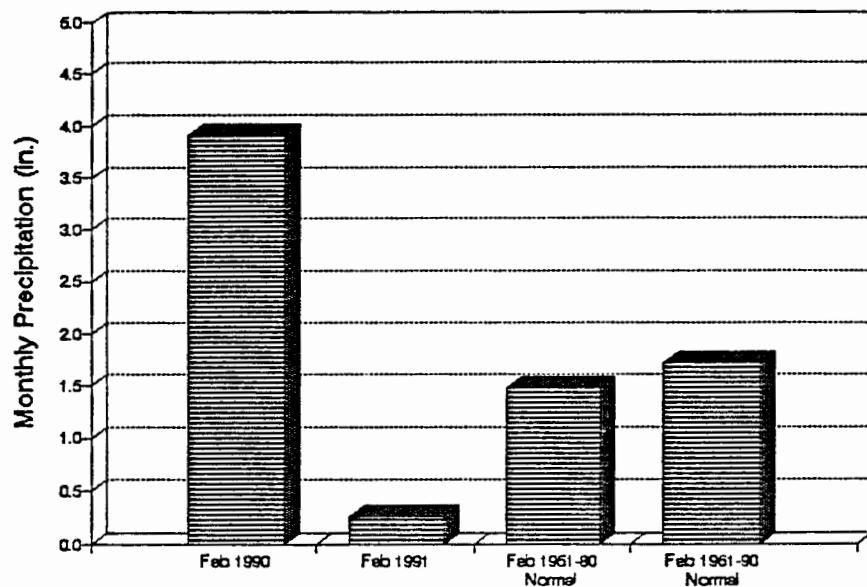
Temperatures remained mild until another cold front cleared the state on the 24th. Maximum temperatures behind the front fell to the 30's and 40's across northern Oklahoma. The front also brought a surprise snowfall to many residents of northeastern Oklahoma. Up to six inches of snow fell in Miami and 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

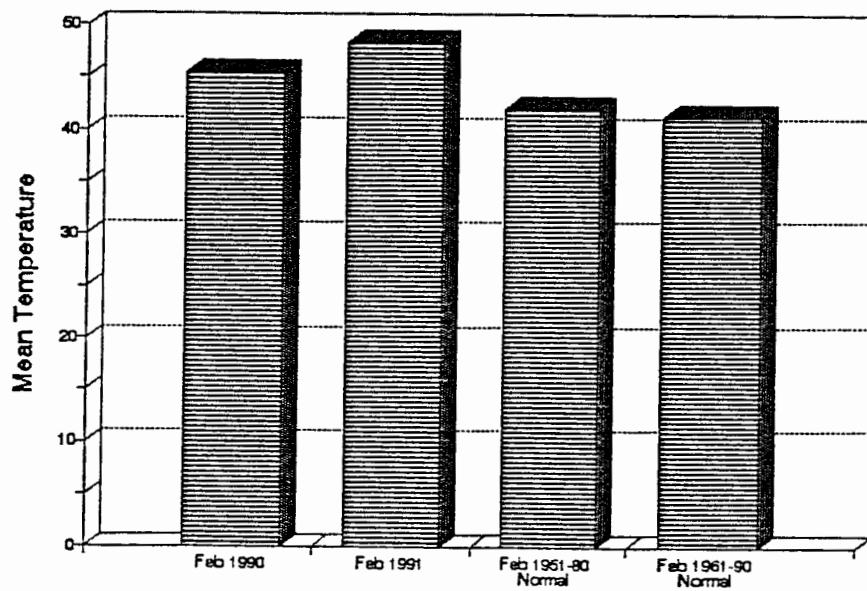


TABLE OF 1990/1991 COMPARISONS

Station	February		February	
	Temperature (F) 1990	1991	Precipitation (in.) 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				COOL				DEV			
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DAY	NORM	DAY	NORM	TOT	NUM	FROM	MAX	
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			
GUIMON	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				COOL				DEV			
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DAY	NORM	DAY	NORM	TOT	NUM	FROM	MAX	
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 PLNS	3740	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	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY			
TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	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	
ONEITA 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	
WYNONA		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	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY			
TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	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	
LEEEDEY		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	
OKEENE		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	
WATONKA		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			DEV				
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX	24-HR	DAY	
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM		
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
WEWOKA	9575	5	*****	0	*****	****	0	*****	0	*****	*****	*****	*****	.001	28	-1.68	.00	17

FEBRUARY 1991 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	DEV						HEAT		DEV		COOL		DEV		DEV			
	MEAN	NUM	FROM	MAX	MIN		DEG	FROM	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX		
ID	CD	TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR 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	
EUFALIA	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	
WETUMKA 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		DEV		COOL		DEV		DEV			
			MEAN	NUM	FROM	MAX	MIN	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	TOT	NUM	FROM	MAX
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 NW	3709	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)

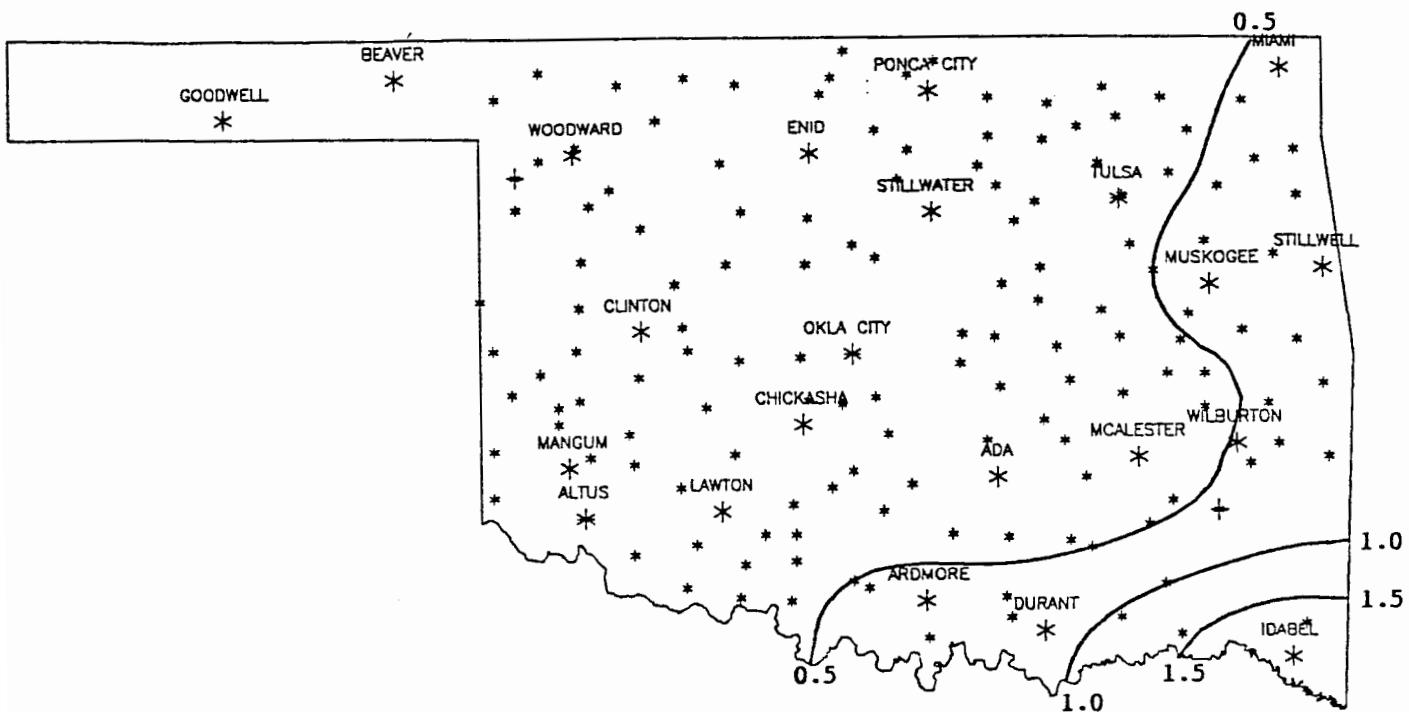
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	ID	CD	MEAN	NUM	FROM	MAX	MIN	TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	DEG	FROM	TOT	NUM	FROM
ADA	17	8	49.7	28	5.0	77.	17	22.	16	428.5	-139.5	.0	.0	.670	28	-1.21	.58	.6					
ALLEN	147	8	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	*****	0.00	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	1.13					
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 NWLR8848	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)

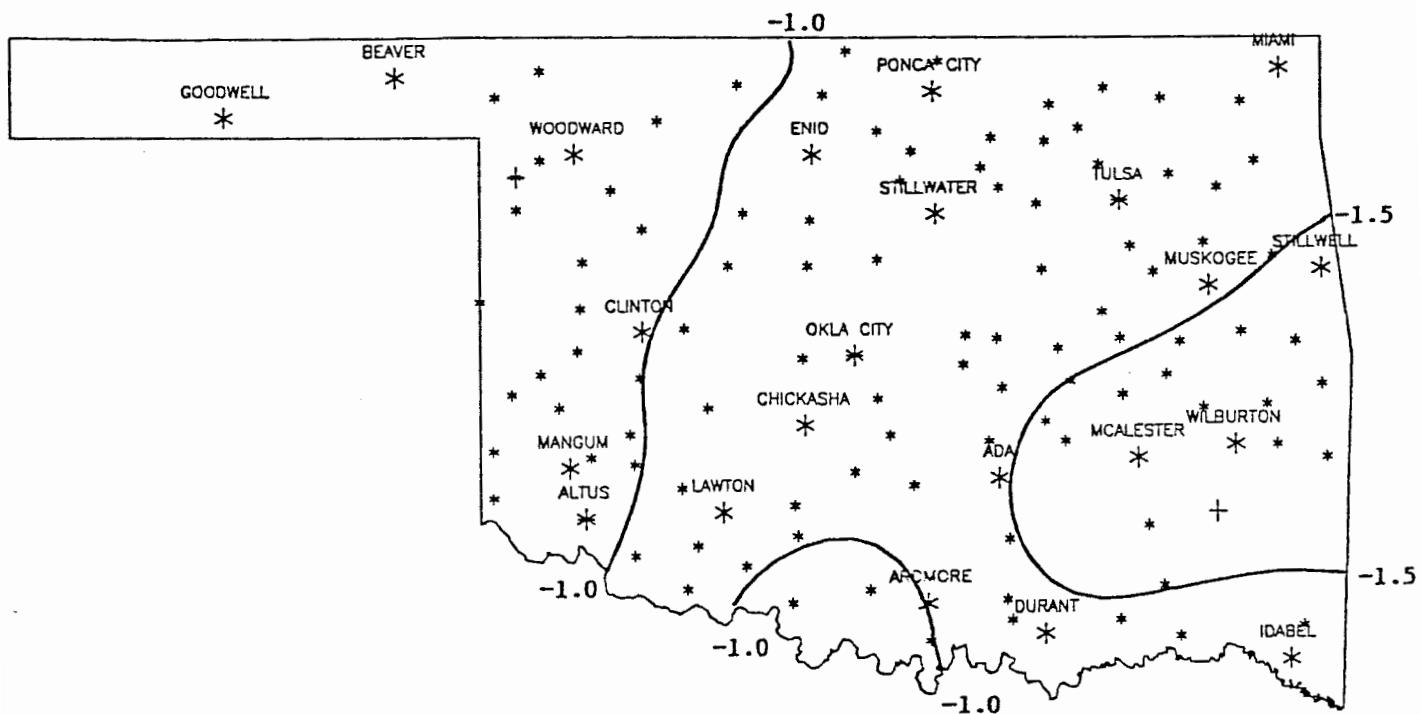
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	ID	CD	MEAN	NUM	FROM	MAX	MIN	TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	DEG	FROM	.901	28	-1.85	.54
ANTLERS	256	9	49.7	28	4.8	76.	18	21.	16	429.5	-133.5	2.0	2.0	.901	28	-1.85	.54	4						
BEAR MT TWR	584	9	51.2	28	*****	76.	13	24.	16	387.0	*****	.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						
VALLIANT 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

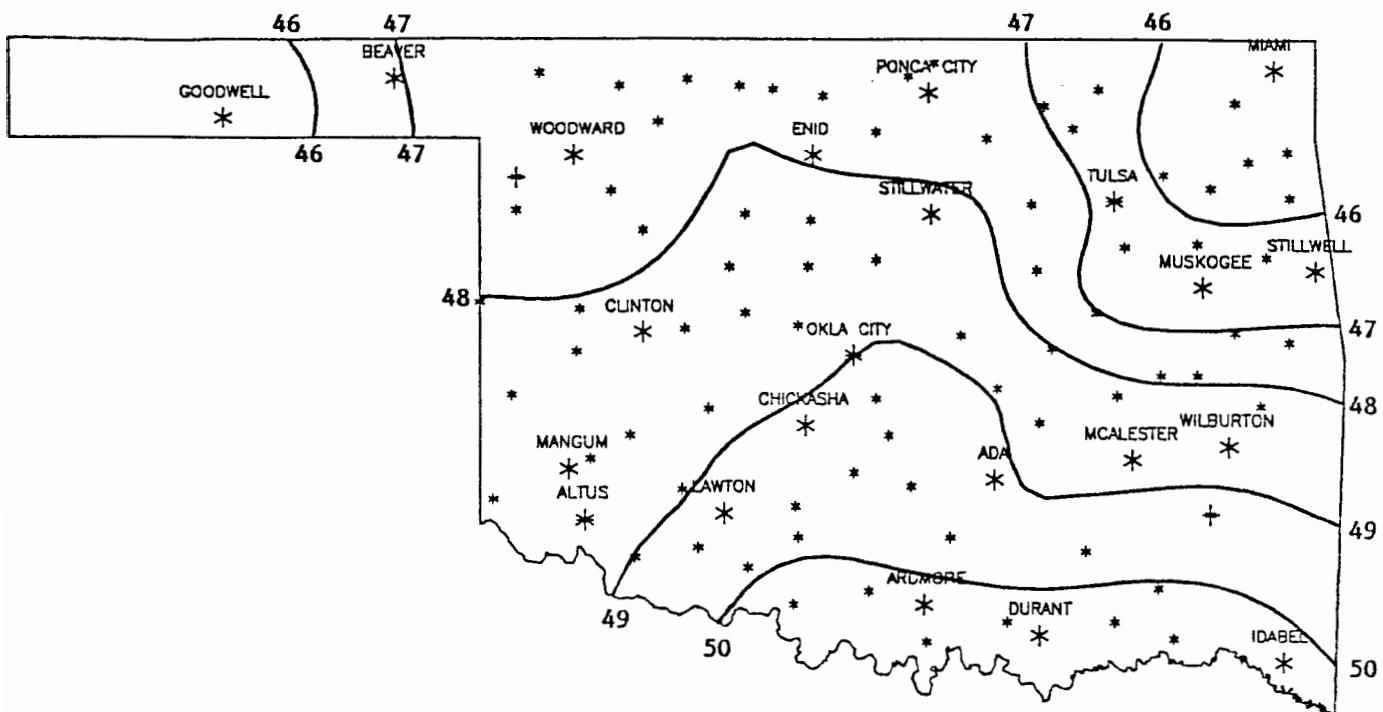
CLIMATE DIV	MEAN TEMP	NUM STA	DEV				HEAT				COOL				DEV			
			FROM	MAX NORM	MIN TEMP	DAY	FROM	DEGREE	FROM	DEGREE	FROM	TOT DAYS	NUM NORM	PPT STA	FROM	MAX NORM	24-HR DAY	
1	44.9	10	6.3	79.0	28	11.0	25	558.7	-180.2	.0	.0	.00	13	-.59	.01	25		
2	47.4	14	7.6	80.0	18	12.0	15	493.6	-212.9	.0	.0	.05	23	-1.03	.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		



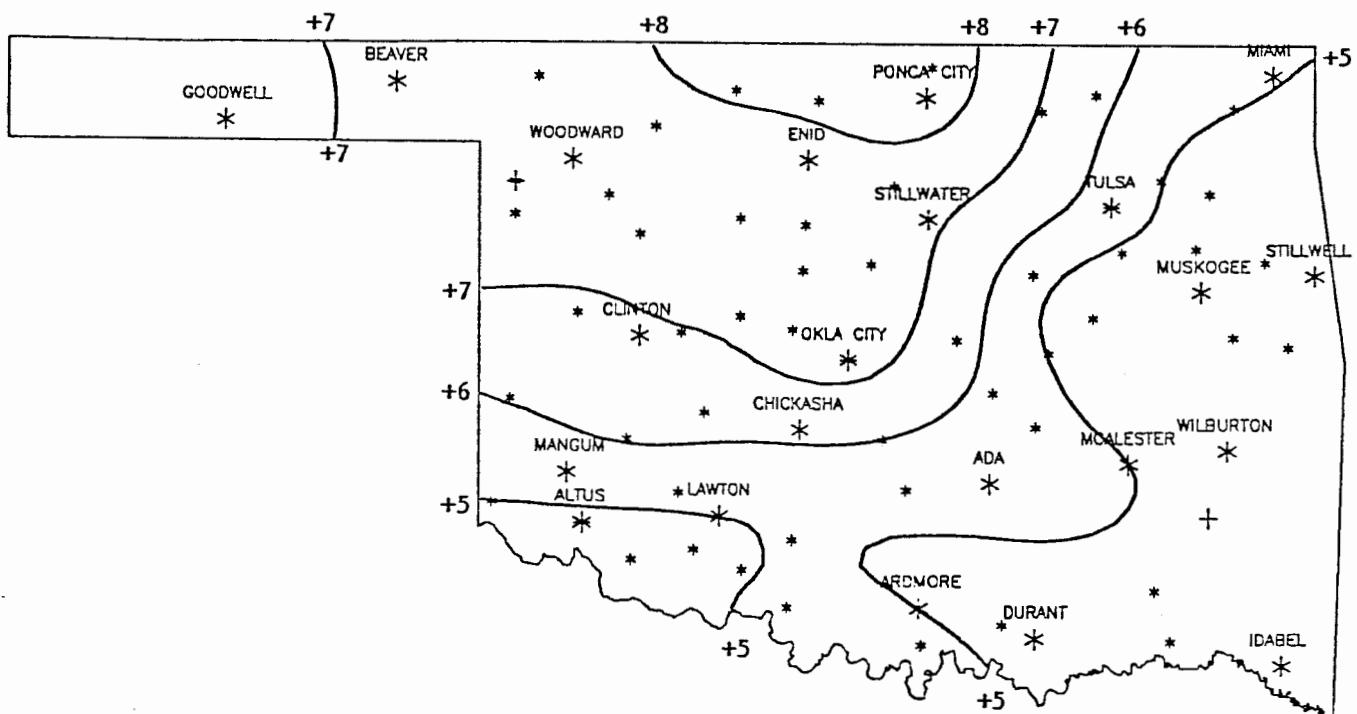
FEBRUARY 1991 TOTAL PRECIPITATION
(Inches)



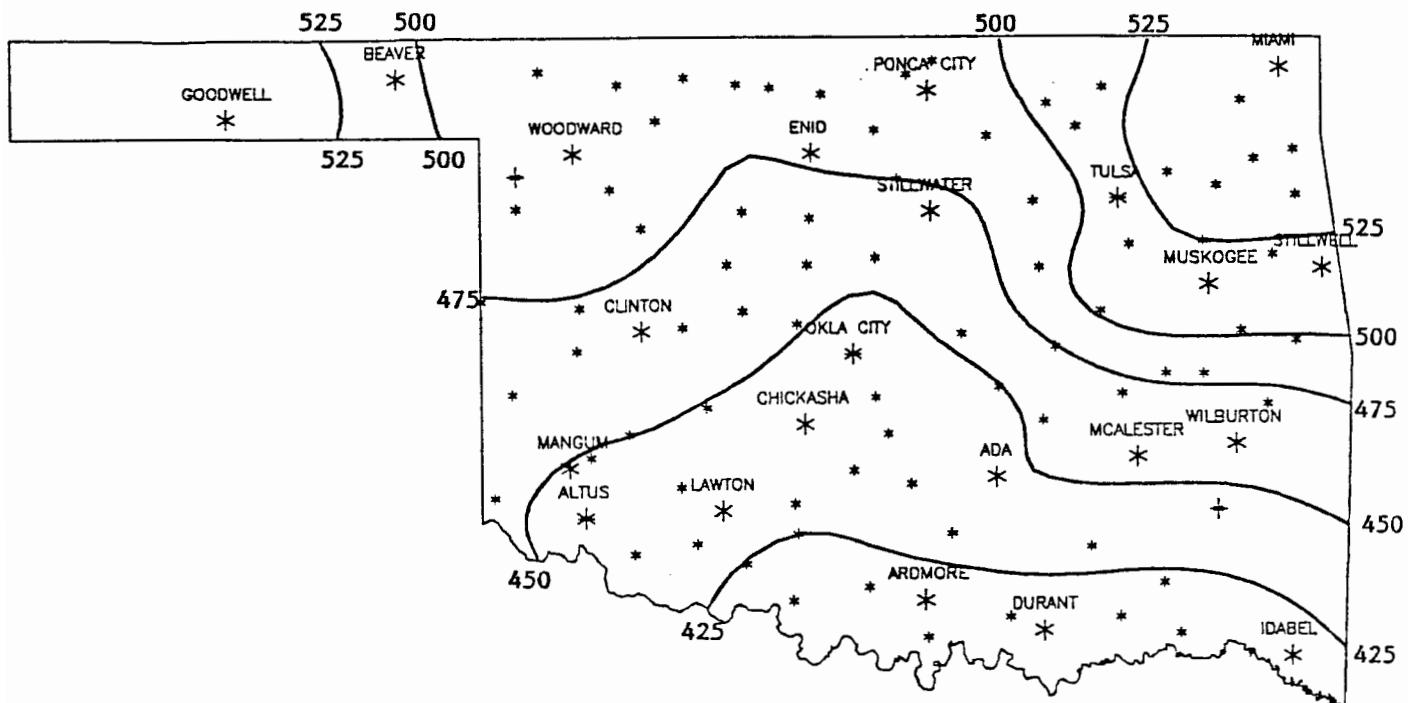
FEBRUARY 1991 DEVIATION FROM NORMAL PRECIPITATION
(Inches)



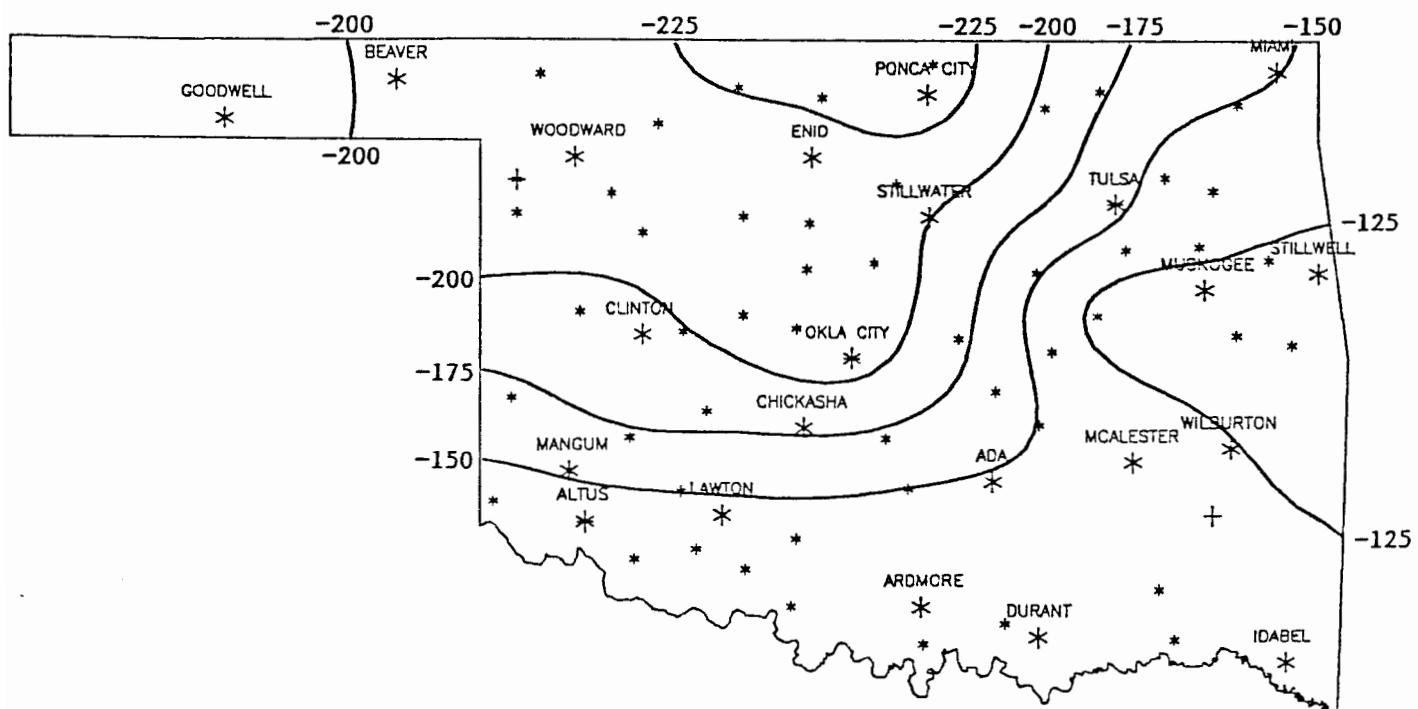
FEBRUARY 1991 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



FEBRUARY 1991 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)

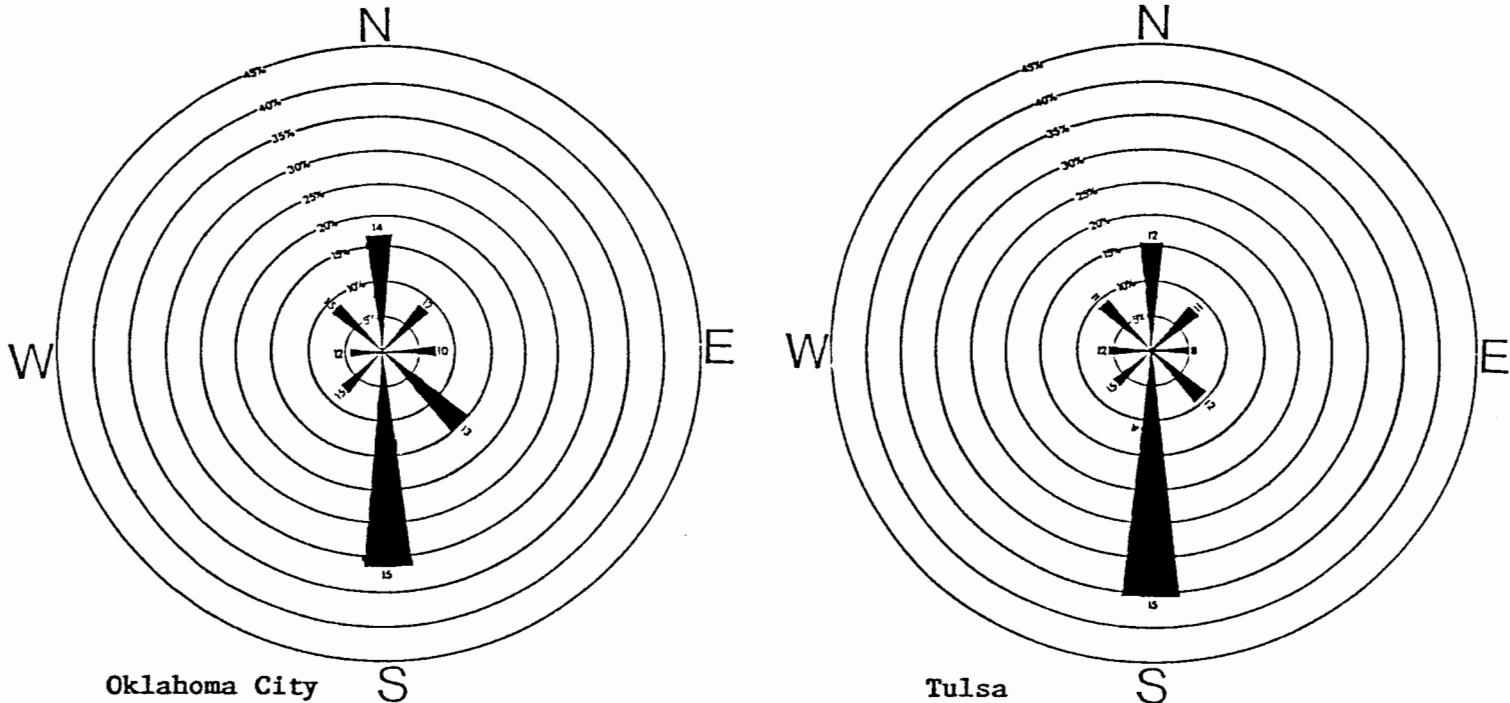


FEBRUARY 1991 HEATING DEGREE DAYS



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*

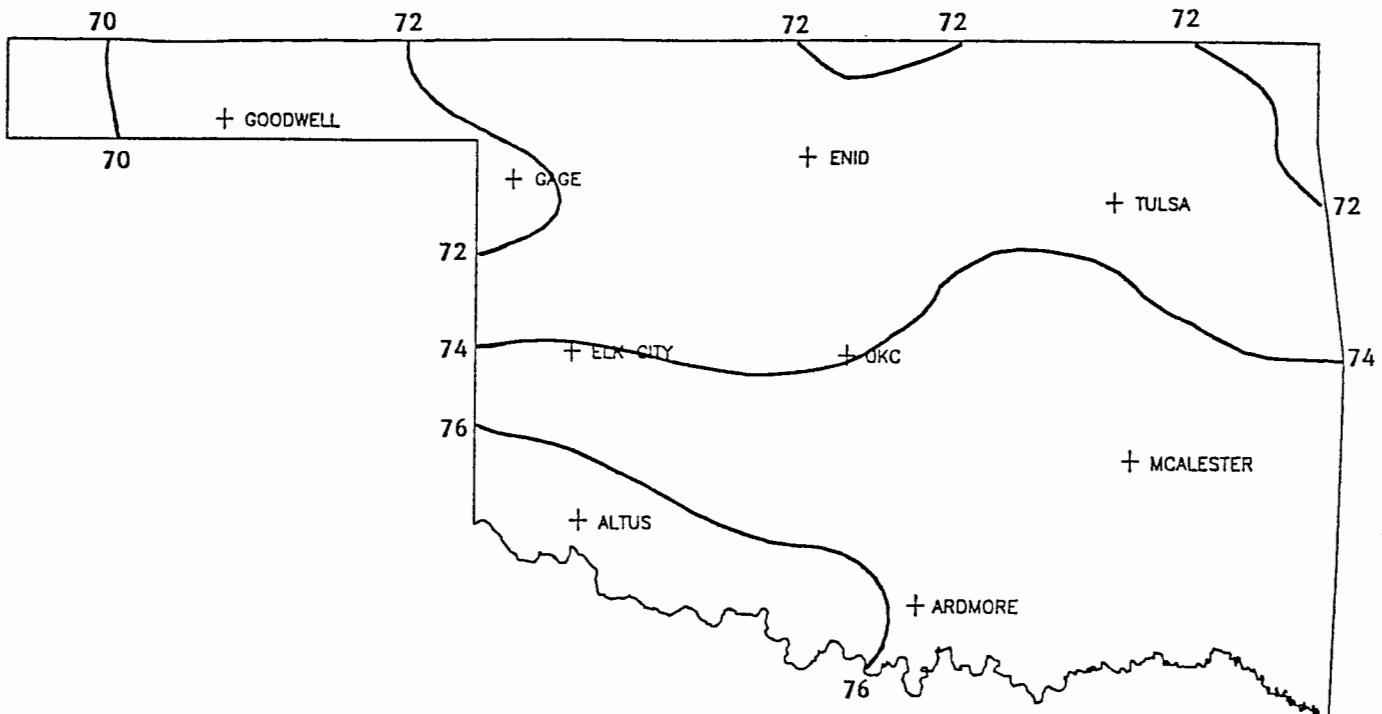
Oklahoma City

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

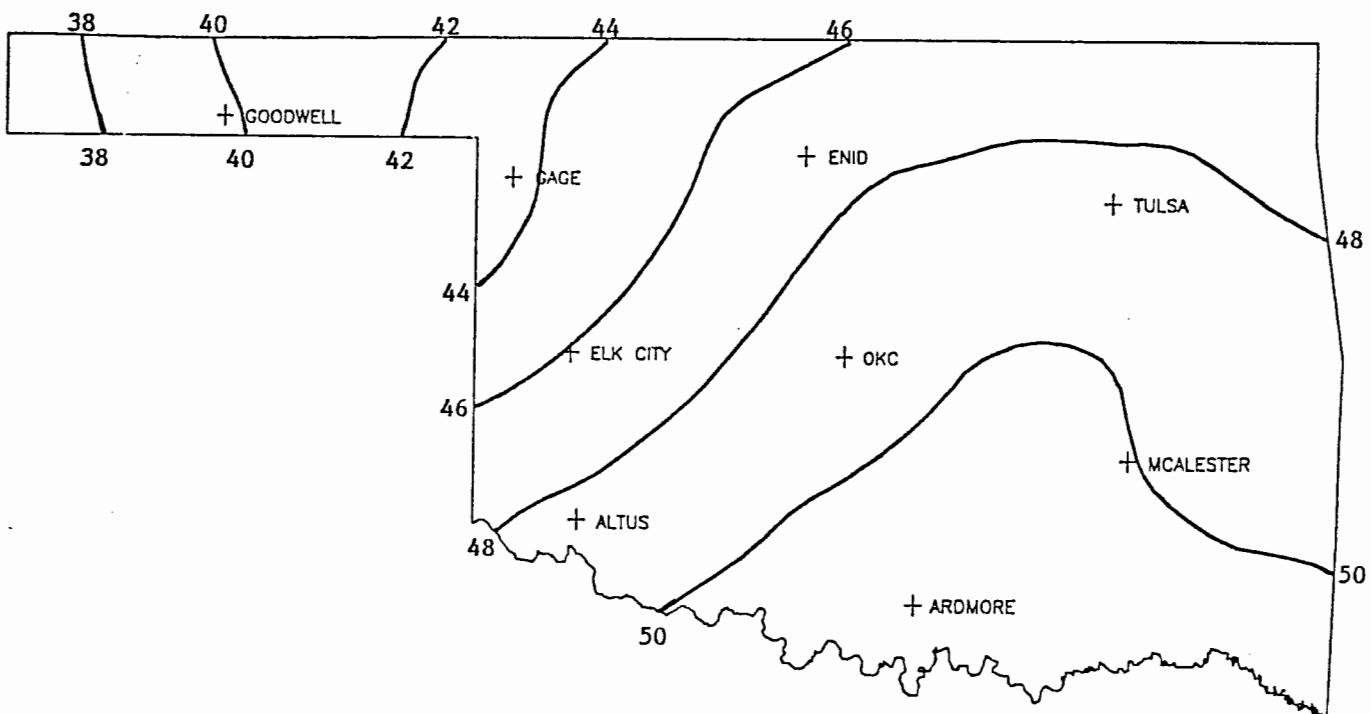
Tulsa

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

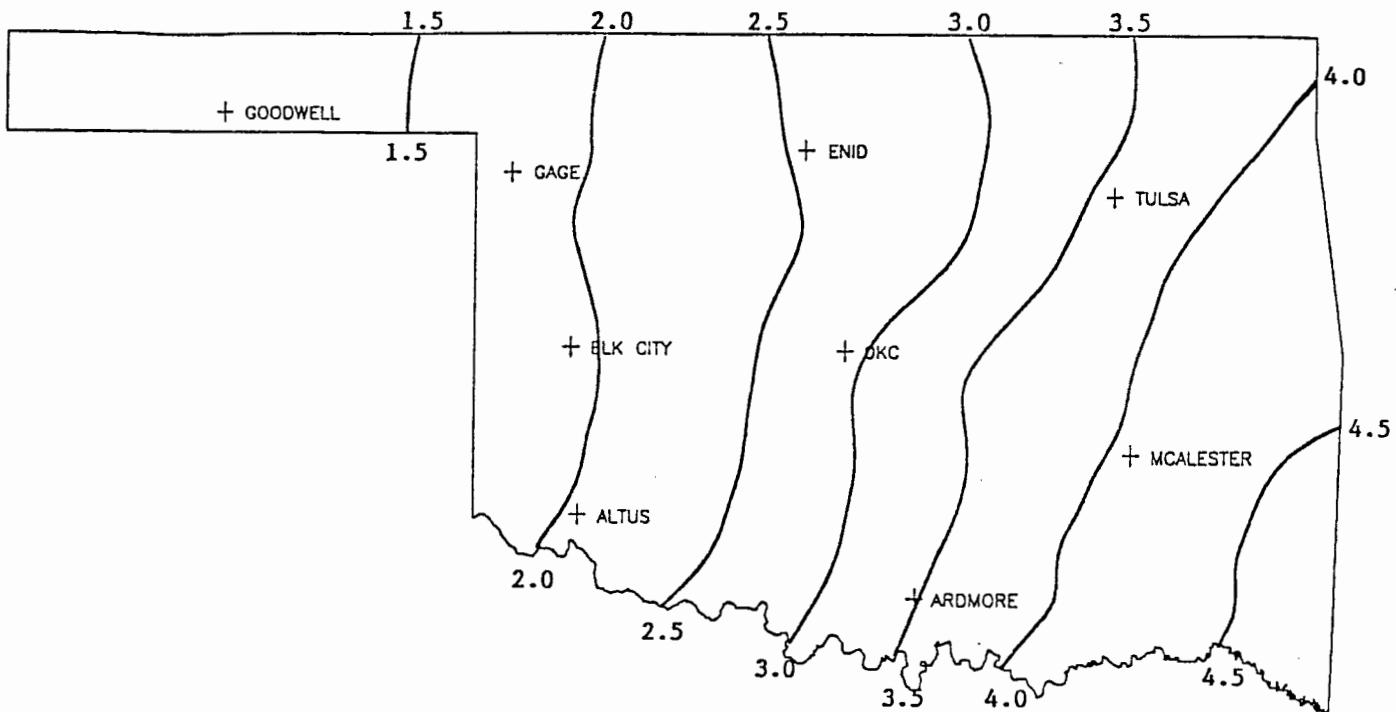
* Daylight Savings Time



30-YEAR MEAN APRIL DAILY MAXIMUM TEMPERATURE



30-YEAR MEAN APRIL DAILY MINIMUM TEMPERATURE



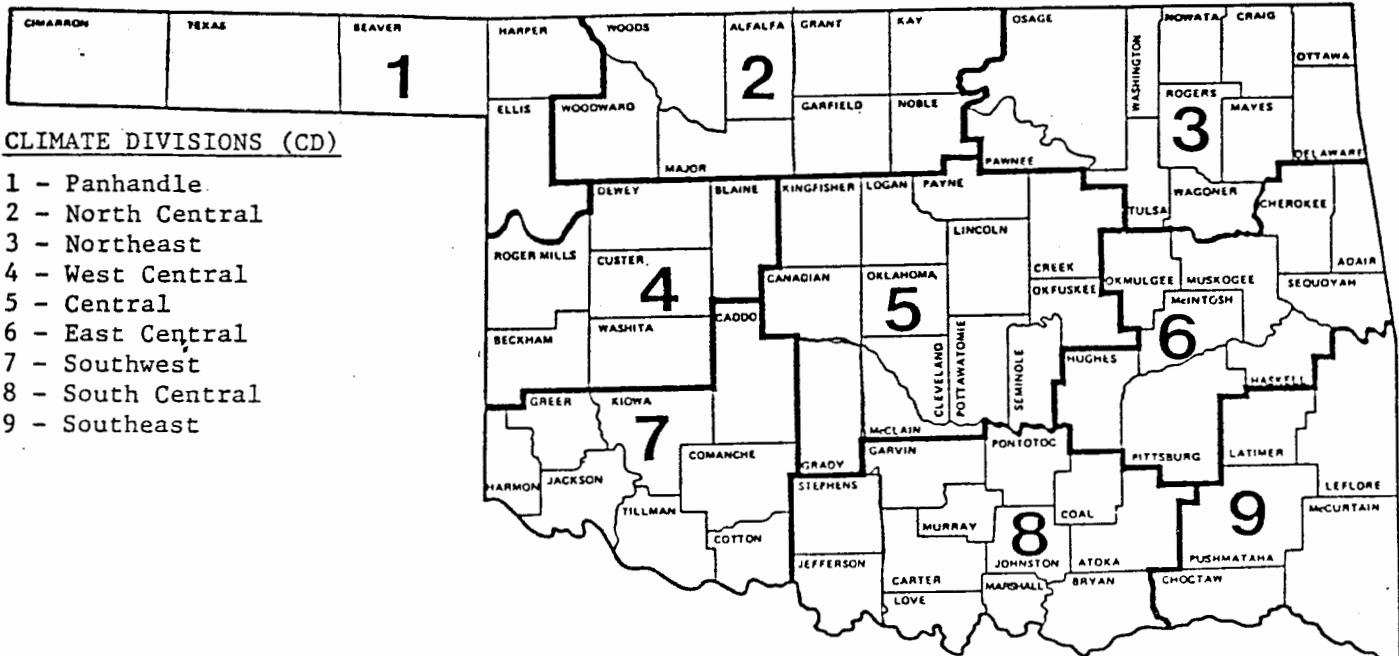
30-YEAR MEAN APRIL PRECIPITATION

90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(March-May 1991)

Precipitation - Above Normal West
Near Normal Elsewhere

Temperature - Near Normal Statewide



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.

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).

APRIL AVERAGES											
Temperature			Precipitation			Heating Degree Days:			Cooling Degree Days:		
Normal	1	Actual	Normal	2	Actual	Normal	3	Actual	Normal	4	Actual
67.3	max	69.6	max	68.1	max	66.0	max	67.0	max	71.8	max
44.1	min	45.2	min	44.1	min	42.4	min	42.2	min	44.7	min
.040	pcpn	.077	pcpn	.093	pcpn	.023	pcpn	.143	pcpn	.009	pcpn
10	HDD	8	HDD	9	HDD	11	HDD	11	CDD	8	HDD
92-1946	Highest Max	87-1946	Highest Max	89-1950	Highest Max	89-1942	Highest Max	87-1959	Highest Max	94-1954	Highest Max
45-1938	Lowest Max	43-1949	Lowest Max	43-1944	Lowest Max	43-1970	Lowest Max	47-1983	Lowest Max	44-1940	Lowest Max
28-1972	Lowest Min	20-1936	Lowest Min	21-1975	Lowest Min	29-1945	Lowest Min	26-1970	Lowest Min	26-1936	Lowest Min
68-1949	Highest Min	67-1940	Highest Min	66-1934	Highest Min	65-1979	Highest Min	65-1978	Highest Min	68-1932	Highest Min
84-1988	Greatest pcpn	.94-1956	Greatest pcpn	1.29-1986	Greatest pcpn	1.31-1947	Greatest pcpn	3.39-1953	Greatest pcpn	1.24-1940	Greatest pcpn
Normal	8	Actual	Normal	9	Actual	Normal	10	Actual	Normal	11	Actual
68.6	max	68.5	max	68.7	max	70.2	max	69.5	max	69.0	max
47.4	min	45.0	min	46.0	min	47.0	min	47.2	min	45.8	min
.096	pcpn	.065	pcpn	.088	pcpn	.042	pcpn	.096	pcpn	.090	pcpn
8	HDD	9	HDD	9	HDD	7	HDD	8	HDD	8	HDD
84-1977	Highest Max	84-1977	Highest Max	90-1930	Highest Max	91-1934	Highest Max	90-1972	Highest Max	94-1936	Highest Max
44-1942	Lowest Max	44-1973	Lowest Max	45-1958	Lowest Max	47-1926	Lowest Max	35-1957	Lowest Max	43-1957	Lowest Max
28-1938	Lowest Min	28-1938	Lowest Min	28-1973	Lowest Min	29-1940	Lowest Min	23-1957	Lowest Min	20-1957	Lowest Min
62-1978	Highest Min	66-1927	Highest Min	66-1965	Highest Min	66-1972	Highest Min	70-1972	Highest Min	67-1981	Highest Min
1.30-1947	Greatest pcpn	2.91-1944	Greatest pcpn	1.40-1979	Greatest pcpn	1.10-1974	Greatest pcpn	3.11-1967	Greatest pcpn	1.29-1947	Greatest pcpn
Normal	15	Actual	Normal	16	Actual	Normal	17	Actual	Normal	18	Actual
71.8	max	73.3	max	74.7	max	73.6	max	73.8	max	73.1	max
47.7	min	49.2	min	51.2	min	52.0	min	52.0	min	51.6	min
.054	pcpn	.087	pcpn	.082	pcpn	.088	pcpn	.161	pcpn	.153	pcpn
6	HDD	5	HDD	4	HDD	4	HDD	4	HDD	5	HDD
90-1940	Highest Max	92-1940	Highest Max	92-1987	Highest Max	94-1987	Highest Max	94-1987	Highest Max	91-1961	Highest Max
54-1961	Lowest Max	54-1950	Lowest Max	52-1990	Lowest Max	48-1953	Lowest Max	50-1983	Lowest Max	50-1959	Lowest Max
20-1928	Lowest Min	34-1953	Lowest Min	30-1953	Lowest Min	30-1953	Lowest Min	33-1953	Lowest Min	33-1966	Lowest Min
66-1982	Highest Min	66-1937	Highest Min	67-1963	Highest Min	66-1964	Highest Min	68-1948	Highest Min	69-1985	Highest Min
1.67-1947	Greatest pcpn	1.08-1970	Greatest pcpn	2.16-1941	Greatest pcpn	2.97-1942	Greatest pcpn	1.48-1929	Greatest pcpn	2.07-1937	Greatest pcpn
Normal	22	Actual	Normal	23	Actual	Normal	24	Actual	Normal	25	Actual
75.1	max	74.5	max	75.4	max	73.6	max	74.8	max	73.8	max
52.3	min	52.3	min	51.3	min	52.1	min	52.4	min	52.8	min
.144	pcpn	.078	pcpn	.074	pcpn	.091	pcpn	.087	pcpn	.112	pcpn
4	HDD	4	HDD	4	HDD	4	HDD	4	HDD	3	CDD
95-1955	Highest Max	89-1989	Highest Max	88-1989	Highest Max	91-1939	Highest Max	91-1959	Highest Max	90-1989	Highest Max
55-1928	Lowest Max	52-1931	Lowest Max	52-1947	Lowest Max	54-1947	Lowest Max	56-1965	Lowest Max	57-1979	Lowest Max
34-1959	Lowest Min	40-1959	Lowest Min	38-1968	Lowest Min	40-1977	Lowest Min	40-1945	Lowest Min	39-1988	Lowest Min
69-1961	Highest Min	68-1961	Highest Min	66-1961	Highest Min	65-1949	Highest Min	68-1975	Highest Min	69-1970	Highest Min
1.41-1985	Greatest pcpn	.96-1945	Greatest pcpn	1.67-1948	Greatest pcpn	1.09-1966	Greatest pcpn	1.50-1963	Greatest pcpn	1.20-1986	Greatest pcpn
Normal	29	Actual	Normal	30	Actual						
52.8	max	53.8	max	74.4	max						
.235	pcpn	.235	pcpn	.195	pcpn						
3	HDD	3	HDD	3	HDD						
92-1936	Highest Max	58-1971	Highest Max	53-1947	Highest Max	54-1947	Highest Max	56-1965	Highest Max	57-1966	Highest Max
39-1956	Lowest Min	34-1959	Lowest Min	38-1968	Lowest Min	40-1977	Lowest Min	40-1945	Lowest Min	39-1988	Lowest Min
68-1933	Highest Min	69-1961	Highest Min	66-1961	Highest Min	65-1949	Highest Min	68-1975	Highest Min	69-1970	Highest Min
2.87-1974	Greatest pcpn	1.41-1985	Greatest pcpn	1.41-1985	Greatest pcpn	1.67-1948	Greatest pcpn	1.09-1966	Greatest pcpn	1.20-1986	Greatest pcpn
Actual	1	Actual	Normal	2	Actual	Normal	3	Actual	Normal	4	Actual
Actual	7	Actual	Normal	5	Actual	Normal	6	Actual	Normal	7	Actual
Actual	14	Actual	Normal	11	Actual	Normal	12	Actual	Normal	13	Actual
Actual	21	Actual	Normal	10	Actual	Normal	11	Actual	Normal	12	Actual
Actual	20	Actual	Normal	19	Actual	Normal	18	Actual	Normal	19	Actual
Actual	27	Actual	Normal	26	Actual	Normal	25	Actual	Normal	26	Actual
Actual	28	Actual	Normal	27	Actual	Normal	28	Actual	Normal	27	Actual