

OKLAHOMA MONTHLY SUMMARY MARCH 1992

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MARCH 1992 OKLAHOMA SUMMARY

March made a decidedly lamb-like entrance in 1992, remained milder than-usual despite some untimely freezing weather, then meekly exited cooler than it began and with the eastern third of the state badly in need of rainfall. The statewide average temperature for the month was 53.9 degrees, tied for the 22nd warmest March and 3.2 degrees above the 1961-1990 normal. Total precipitation across the state averaged 1.88 inches, a total that is .93 inch below normal. The year-to-date mean temperature of 47.9 degrees is 5.1 degrees above normal, the sixth highest average first-quarter temperature in the state's recorded history.

Total precipitation for the year, thus far, averages 4.31 inches, one and one-half inches below normal. Six of the state's nine climate divisions (CDs) have received below-average precipitation for the year. CDs 3 (northeast) and 6 (east central) each received less than 70 percent of normal precipitation during the first three months of the year.

The month began rather pleasantly with high temperatures across the state ranging from the upper 60s to the low 80s on the first three days. A disturbance in the upper atmosphere to the west of Oklahoma moved eastward through the state triggering thunderstorms on the 3rd and 4th in western and southern parts of the state, producing scattered incidents of golf ball sized hail and local rainfall reports of as much as 2.71 inches at the Chickasaw National Recreation Area near Sulphur.

Temperatures for the month peaked on the afternoon of the 7th when stations reported highs of 85 degrees. The warm, spring-like weather held on through the 9th as a strong upper disturbance moved towards the state bringing with it a reminder that winter had not ended, yet. Strong thunderstorms across the southern one-half of the state produced damaging hail and high winds in many areas. The first tornadoes of the 1992 spring season were reported near Ratliff City (accompanied by baseball sized hail) in Carter County and in the Pontotoc County community of Union Valley. Hartshorne reported 1.78 inches of rainfall and Grandfield reported 1.77 inches from these storms.

The cold front that entered northwestern Oklahoma on the 9th sped through the state on the 10th. Guymon and Arnett reported the lowest temperatures of the month, both 14 degrees on the 10th. Overnight low temperatures on the 10th through the 14th were commonly in the 20s in all but the southeastern third of the state. The state's fruit trees, which had bloomed early in response to the mild winter, received significant freeze damage. Winter wheat also received some damage from the cold.

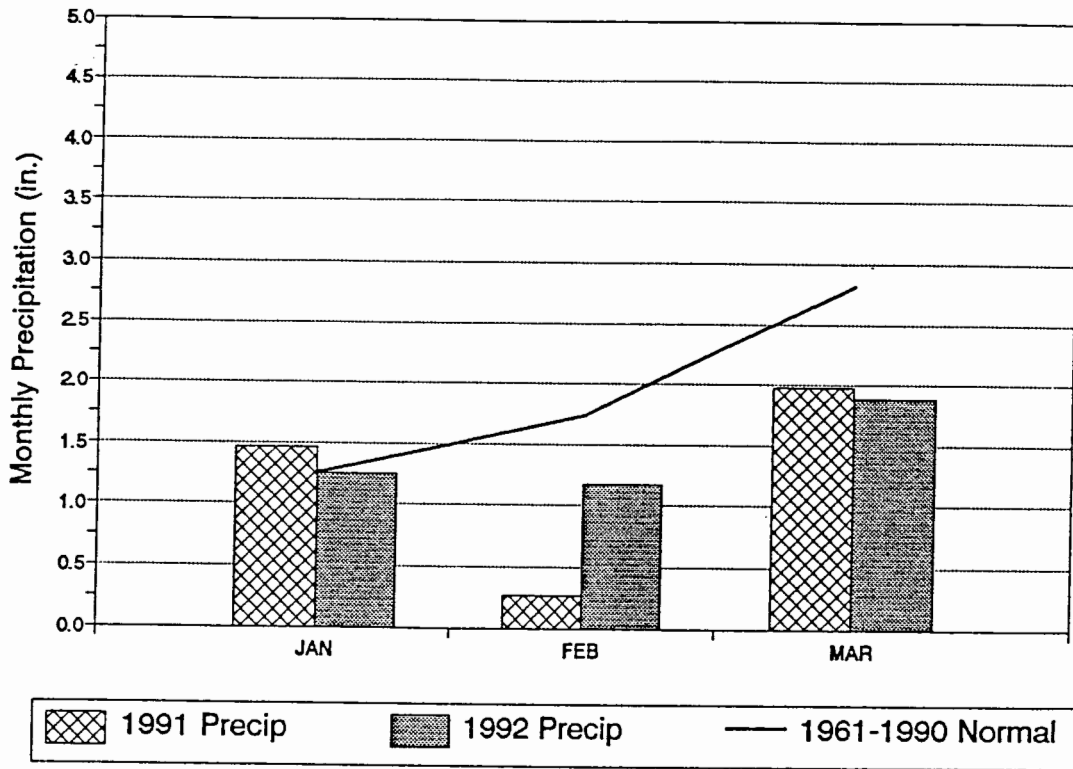
A warming trend began in the west at mid-month and scattered thunderstorm activity resumed on the 16th in the southwest, where thunderstorm related winds of as much as 69 miles per hour damaged property in Altus. Another cold front, accompanied by an upper-level storm system, entered the state on the 17th, triggering thunderstorms that produced large hail in northwestern Oklahoma, torrential rain and street flooding in Clinton (4.10 inches in 90 minutes) and 3.5 inches of rain at Blackwell. Large hail was reported at several east central locations on the 18th as the storm system moved through the state.

Winter gave evidence that it had not abandoned the state, just yet, as light snow was reported in several areas of northeastern Oklahoma on the morning of the 19th. Cooler weather prevailed through the 23rd. Thunderstorms set off by a weak upper-level disturbance produced large hail in Caddo County the night of the 21st and early morning on the 22nd in Lincoln County. As much as an inch of rain fell in parts of east central Oklahoma overnight.

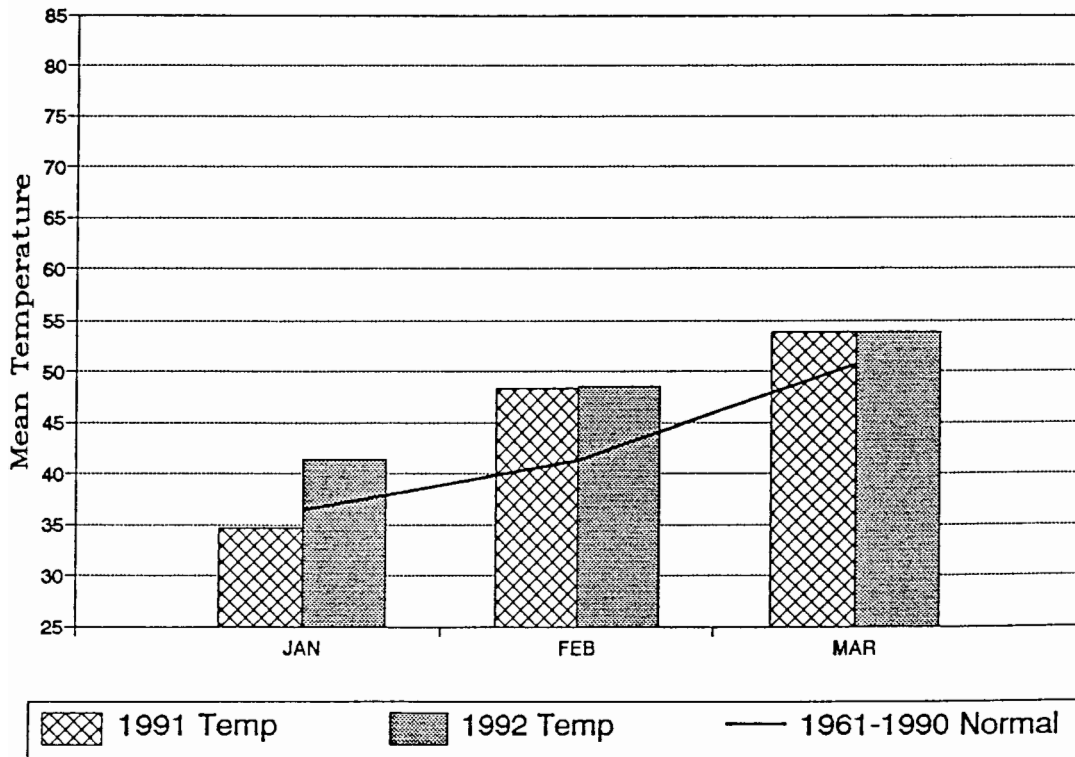
Another round of thunderstorms on the 24th produced scattered reports of large hail in western Oklahoma. Another cold front moved through the state on the 26th, only to return as a warm front on the 28th, in advance of a major upper disturbance and as part of a complex and developing frontal system. Thunderstorms in western Oklahoma dropped large hail on parts of Alfalfa, Major, Blaine, Comanche, Grady and Stephens Counties on the 28th, although reported rainfall amounts were all less than an inch. The system brought an early spring shot of wintery cold to the state as temperatures dipped into the 20s and low 30s at many locations on the 30th and 31st. The highest reported temperatures in the state on the 31st were in the upper 60s.

Howard L. Johnson

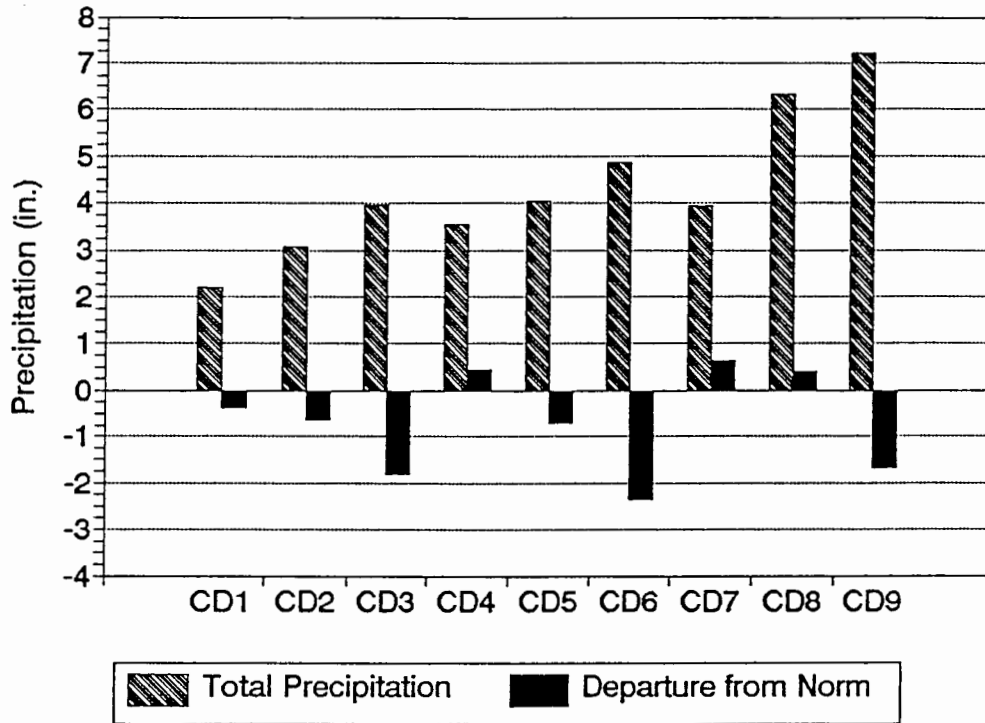
1991 and 1992 STATEWIDE PRECIPITATION JANUARY THROUGH MARCH MONTHLY TOTALS



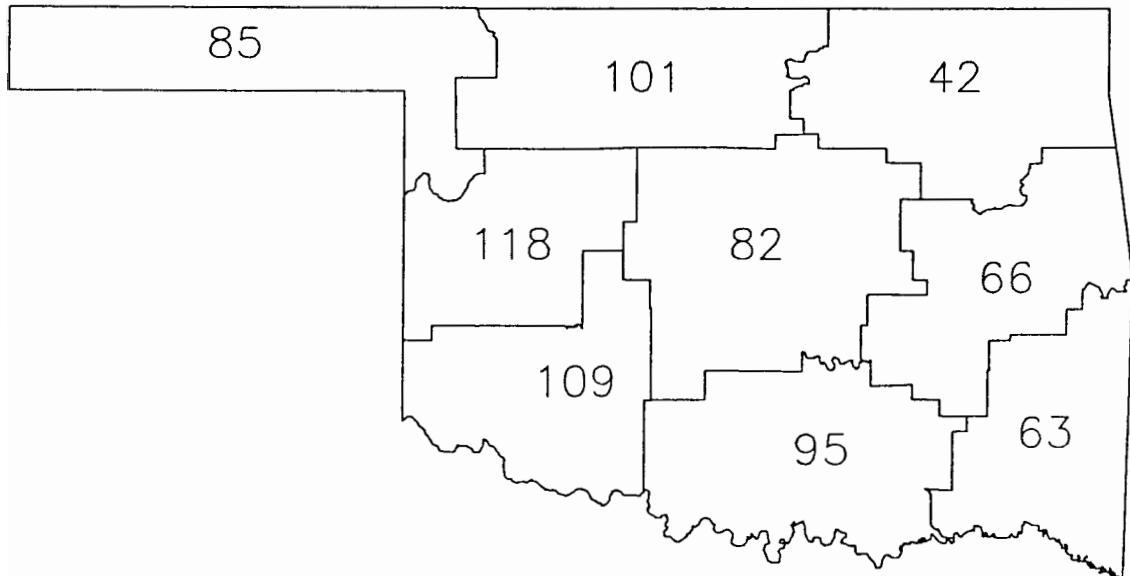
1991 and 1992 STATEWIDE TEMPERATURES JANUARY THROUGH MARCH MONTHLY AVERAGES



CD Averaged Precipitation January Through March 1992



MARCH 1992 CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION



EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
MARCH, 1992

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	PRECIP	LOCATION
1	82	7	GAGE FAA APT	14	10	ARNETT	.87	28	ARNETT	1.77	ARNETT
				14	10	GUYMON					
2	83	7	FREEDOM	16	10	FT SUPPLY	3.50	18	BLACKWELL	5.37	BLACKWELL
	83	16	FREEDOM								
3	83	7	MANNFORD	19	11	BARNSDALL	1.00	9	JAY TOWER	2.28	CLEVELAND
	83	7	RALSTON	19	11	KANSAS					
				19	11	HULAH DAM					
				19	11	PRYOR					
				19	11	RALSTON					
4	83	7	REYDON	18	10	HAMMON	4.10	18	CLINTON	4.98	CLINTON
				18	11	HAMMON					
5	85	7	NORMAN	19	11	STILLWATER	2.33	4	SEMINOLE	3.25	KONAWA
6	84	8	LAKE EUFAULA	17	11	STILWELL	1.78	9	HARTSHORNE	3.73	QUINTON
	84	7	MCALESTER								
	84	7	MCCURTAIN								
7	83	7	CARNEGIE	20	11	CARNEGIE	1.89	4	LAWTON	3.46	GRANDFIELD
				20	11	WICHITA MT					
8	85	7	TISHOMINGO	21	11	CHICKASAW RA	2.71	4	CHICKASAW RA	4.55	LEHIGH
				21	11	LINDSAY					
				21	11	PAULS VALLEY					
9	85	7	WILBURTON	20	11	POTEAU	1.74	18	HUGO	3.91	HUGO
				20	11	TUSKAHOMA					
				20	11	WILBURTON					

TABLE OF 1991/1992 COMPARISON

Station	March		March	
	Temperature (F)		Precipitation (in.)	
	1991	1992	1991	1992
Arnett	49.1	50.1	.82	1.77
Enid	50.7	53.1	1.28	1.27
Mutual	50.0	50.7	1.25	1.94
Tulsa	56.4	55.9	1.02	1.14
Elk City	54.8	54.5	1.67	2.14
Oklahoma City	55.3	54.9	1.59	1.01
McAlester	55.7	55.5	2.38	2.27
Altus Irr Sta	56.0	55.5	1.59	.92
Durant	55.0	55.5	2.74	3.20
Ada	55.1	54.3	2.09	3.41
Antlers	56.5	55.9	4.56	2.13

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Boise City	1	10	10
Maximum temperature (F)	Buffalo	1	89	7
Maximum 24-hour precipitaion	Clinton	4	4.10"	18

MARCH 1992 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	MAX TEMP	MIN DAY	TOT PPT	NUM OBS	FROM NORM
ARNETT	332	1	50.1	31	4.3	79.	8	14.	10	463.0	-132.0	.0	.0	1.773	31	.14	.87	28
BEAVER	593	1	49.4	31	4.8	81.	3	13.	10	483.5	-148.5	.0	.0	.552	31	-.90	.41	28
BOISE CITY 2 E	908	1	48.3	31	3.0	76.	16	10.	10	518.5	-92.5	.0	.0	.113	31	-.77	.05	31
BUFFALO	1243	1	53.2	31	4.2	89.	7	15.	10	371.5	-134.5	7.0	-3.0	1.050	31	-.81	.30	31
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.100	31	-.53	.57	28
GAGE FAA APT	3407	1	52.5	31	4.5	82.	7	16.	10	386.5	-147.5	.0	-7.0	1.083	31	-.43	.66	28
GATE	3489	1	52.0	31	6.2	83.	3	18.	10	404.5	-197.5	1.0	-6.0	.335	31	-1.35	.29	28
GOODWELL RES ST	3628	1	48.9	31	5.0	79.	17	15.	10	500.0	-154.0	.0	.0	.488	31	-.38	.33	4
GUYMON	3835	1	50.9	26	*****	80.	2	14.	10	367.0	*****	.0	*****	.391	28	*****	.32	4
HOOVER	4298	1	49.0	31	3.1	80.	3	14.	10	494.5	-97.5	.0	.0	.471	31	-.69	.30	28
KENTON	4766	1	47.2	30	4.2	75.	16	16.	10	535.0	-147.0	.0	.0	.310	31	-.47	.25	31
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.552	31	-1.15	.35	28
OPTIMA LAKE	6740	1	50.1	31	*****	80.	17	15.	10	463.0	*****	.0	*****	.613	31	*****	.33	4
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.256	31	-.47	.20	8
TURPIN 4 SSE	9017	1	49.5	31	*****	80.	3	14.	10	479.5	*****	.0	*****	.331	31	*****	.23	28

MARCH 1992 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	DEV				HEAT				COOL				DEV			
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	MAX TEMP	MIN DAY	DEG DAY	FROM NORM	MAX TEMP	MIN DAY	TOT PPT	NUM OBS	FROM NORM
ALVA	193	2	53.6	31	*****	82.	1	21.	10	352.5	*****	.5	*****	1.670	31	*****	.60	9
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.553	30	*****	.58	4
BILLINGS	755	2	51.9	31	4.1	80.	8	20.	23	408.5	-132.5	1.0	-7.0	1.796	31	-.89	1.05	4
BLACKWELL 2E	818	2	51.4	31	3.3	77.	7	23.	11	421.0	-109.0	.0	-6.0	5.372	31	2.97	3.50	18
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.882	31	*****	1.39	18
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.292	31	*****	.43	4
CHEROKEE	1724	2	54.2	31	4.7	79.	1	21.	10	333.5	-156.5	.0	-9.0	2.540	31	.10	.80	28
ENID	2912	2	53.1	30	3.2	78.	1	22.	10	356.5	-121.5	.0	-10.0	1.270	31	-1.02	.66	4
FT SUPPLY DAM	3304	2	52.1	31	6.1	81.	17	16.	10	399.5	-196.5	.0	-7.0	1.161	31	-.46	.57	29
FREEDOM	3358	2	53.7	31	5.0	83.	16	17.	10	354.0	-161.0	4.0	-6.0	.892	31	-.97	.42	28
GREAT SALT PLNS	3740	2	52.2	31	5.2	81.	2	22.	10	398.0	-166.0	.0	-6.0	1.043	28	*****	.44	4
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.311	31	*****	1.10	17
HELENA 1 SSE	4019	2	51.4	31	5.1	79.	8	18.	10	422.0	-158.0	.0	.0	.740	31	-1.65	.31	4
JEFFERSON	4573	2	51.5	31	2.4	79.	7	18.	11	418.5	-81.5	.0	-7.0	1.703	31	-.89	.57	17
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.251	31	*****	.62	4
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.421	31	*****	1.83	17
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.870	31	*****	.64	4
MUTUAL	6139	2	50.7	31	4.5	78.	2	18.	10	442.0	-141.0	.0	.0	1.940	31	-.12	.69	18
NEWKIRK	6278	2	51.8	31	3.0	79.	7	22.	11	409.0	-103.0	.0	-10.0	3.402	31	1.03	2.15	18
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.340	31	-.75	.35	4
PERRY	7012	2	55.0	31	4.5	81.	7	24.	10	317.5	-146.5	6.0	-8.0	2.290	31	-.42	1.90	4
PONCA CITY FAA	7201	2	54.7	31	6.8	82.	7	23.	11	325.0	-213.0	6.0	-2.0	2.413	31	-.12	1.12	4
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.310	31	-1.28	.90	4
WAYNOKA	9404	2	53.3	31	3.9	82.	7	18.	10	362.5	-131.5	1.0	-9.0	1.370	31	-.54	.63	4
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.001	31	-.82	.41	4

MARCH 1992 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	DEV				MIN		HEAT		DEV		COOL		DEV		DEV		TOT	NUM	FROM	MAX	DAY
			MEAN	NUM	FROM	MAX	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS	NORM	24-HR						
BARNSDALL	535	3	52.6	31	2.5	80.	7	19.	11	387.0	-85.0	3.0	-7.0	.872	31	-2.83	.31	18					
BARTLESVILLE 2W	548	3	52.6	31	2.4	81.	7	21.	23	387.5	-80.5	4.0	-5.0	.803	31	-2.45	.29	5					
BIXBY	782	3	52.1	30	3.6	82.	8	22.	12	391.0	-129.0	3.5	-4.5	1.400	31	-1.75	.37	4					
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.064	31	-1.93	.45	31					
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.930	31	*****	.51	5					
CLAREMORE	1828	3	51.7	31	3.7	80.	8	20.	11	414.0	-118.0	2.5	-2.5	.940	31	-2.64	.46	5					
CLEVELAND 5 WSW	1902	3	54.5	29	*****	82.	7	22.	11	308.5	*****	5.0	*****	2.280	31	*****	.77	9					
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.340	31	-1.48	.48	4					
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.714	31	-1.97	.89	5					
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.173	31	-2.27	.38	18					
HULAH DAM	4393	3	51.9	19	*****	82.	9	19.	11	255.0	*****	5.5	*****	1.090	23	*****	.53	5					
JAY TOWER	4567	3	50.3	31	*****	80.	8	20.	12	460.5	*****	4.0	*****	1.510	31	*****	1.00	9					
KANSAS 1 ESE	4672	3	52.3	30	1.8	78.	6	19.	11	384.5	-79.5	2.0	-10.0	1.096	30	*****	.65	9					
KEYSTONE DAM	4812	3	51.8	28	*****	82.	9	20.	11	376.0	*****	5.5	*****	.972	27	*****	.58	4					
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.530	31	*****	.69	5					
MANNFORD 6 NW	5522	3	54.4	30	3.5	83.	7	20.	11	322.5	-125.5	3.5	-7.5	1.271	31	-2.03	.68	4					
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.480	31	-1.72	.98	4					
MIAMI	5855	3	50.6	31	2.7	80.	8	20.	12	449.0	-88.0	3.0	-4.0	2.332	31	-1.76	1.25	19					
NOWATA	6485	3	53.1	31	3.5	79.	7	21.	11	374.5	-109.5	4.5	-1.5	1.360	31	-2.25	.79	4					
ONETA 1 WNW	6713	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.460	31	*****	.43	9					
PAWHUSKA	6935	3	53.3	31	3.7	81.	8	20.	11	368.5	-117.5	6.0	-3.0	1.301	31	-1.95	.50	5					
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.090	31	-2.00	.70	4					
PRYOR 6 N	7309	3	50.5	31	2.5	80.	8	19.	11	452.0	-82.0	4.0	-3.0	.646	31	-2.92	.24	5					
RALSTON	7390	3	55.1	31	5.1	83.	7	19.	11	315.0	-157.0	7.0	.0	1.080	31	-1.99	.55	5					
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.623	31	*****	.70	6					
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.500	31	-2.78	.18	19					
SPAVINAW	8380	3	54.4	31	3.2	81.	7	22.	11	336.5	-103.5	9.0	-3.0	.822	31	-2.76	.49	9					
TULSA WSO APT	8992	3	55.9	31	5.3	81.	7	27.	11	287.5	-169.5	5.5	-5.5	1.144	31	-2.32	.77	4					
UPPER SPAVINAW	9101	3	51.6	31	*****	81.	7	22.	23	415.0	*****	.0	*****	1.535	31	*****	.92	9					
VINITA 2 N	9203	3	51.9	31	3.0	80.	8	19.	11	409.0	-97.0	2.5	-4.5	1.170	31	-2.78	.57	18					
WAGONER	9247	3	54.2	31	2.5	80.	7	22.	11	337.0	-88.0	2.5	-10.5	1.852	31	-1.72	.76	9					
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.000	31	*****	.35	5					
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.171	31	*****	.66	18					

MARCH 1992 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV				MIN		HEAT		DEV		COOL		DEV		DEV		TOT	NUM	FROM	MAX	DAY
			MEAN	NUM	FROM	MAX	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	PPT	OBS	NORM	24-HR						
CANTON DAM	1445	4	51.2	29	*****	80.	8	20.	10	400.0	*****	.0	*****	1.023	29	*****	.25	4					
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.900	31	-.70	.35	4					
CLINTON	1909	4	54.8	31	4.0	80.	7	20.	10	316.5	-132.5	.0	-9.0	4.981	31	2.95	4.10	18					
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.510	31	*****	.65	18					
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.980	31	.03	.98	18					
ELK CITY 1 E	2849	4	54.3	31	4.3	79.	7	20.	10	330.5	-141.5	.0	-7.0	2.141	31	.10	1.38	4					
ERICK 4 E	2944	4	54.4	31	4.2	81.	7	20.	10	330.0	-135.0	.0	-6.0	2.200	31	.50	.78	18					
GEARY	3497	4	53.3	31	3.4	80.	7	22.	10	361.5	-113.5	.0	-7.0	1.330	31	-.74	.54	18					
HAMMON 1 NNE	3871	4	50.8	28	*****	80.	8	18.	11	396.5	*****	.0	*****	1.552	29	*****	.93	4					
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.320	31	-.40	.92	4					
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.380	31	*****	.62	4					
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.940	31	1.13	2.00	4					
OKEENE	6629	4	53.7	31	3.2	79.	7	21.	10	352.5	-105.5	2.0	-7.0	2.020	31	-.12	.84	4					
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.010	31	*****	.99	18					
REYDON	7579	4	55.3	31	6.5	83.	7	19.	10	302.5	-207.5	1.0	-7.0	1.441	31	-.14	.60	4					
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.790	31	.26	.69	4					
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.600	31	*****	.79	3					
TALOGA	8708	4	52.0	31	3.1	78.	7	20.	23	402.0	-104.0	.0	-7.0	2.080	31	.17	.98	4					
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.950	31	*****	.41	27					
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.840	31	-1.39	.60	4					
WATONGA	9364	4	53.8	31	4.2	82.	7	22.	10	350.0	-134.0	2.5	-4.5	1.380	31	-.83	.51	4					
WEATHERFORD	9422	4	53.5	31	5.5	80.	8	22.	11	357.5	-169.5	.0	.0	2.180	31	.27	1.13	18					

MARCH 1992 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	DEG	FROM	DEG	FROM	PPT	OBS	FROM	MAX						
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM							
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.760	31	*****	.90	24		
ARCADIA	288	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.980	31	*****	.52	4		
TINKER AFB	325	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.046	31	*****	.72	4		
BLANCHARD 2 SSW	830	5	55.1	31	2.6	83.	7	23.	11	310.0	-91.0	4.0	-9.0	.754	31	-1.94	.48	5		
BRISTOW	1144	5	54.5	31	2.8	82.	7	20.	11	333.5	-90.5	8.5	-3.5	2.303	31	-.74	1.02	4		
CHANDLER	1684	5	55.3	29	*****	86.	7	21.	11	294.0	*****	13.0	*****	1.840	31	-1.08	.96	4		
CHICKASHA EX ST1	1750	5	53.7	31	1.5	81.	7	20.	11	349.5	-59.5	.0	-12.0	.901	31	-1.60	.67	4		
COX CITY 1 E	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.650	31	*****	.71	4		
CRESCENT	2242	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.570	31	*****	1.80	5		
CUSHING	2318	5	53.8	31	5.0	80.	8	24.	12	351.5	-159.5	4.5	-4.5	1.510	31	-1.59	.80	4		
EL RENO 1 N	2818	5	53.9	31	3.6	78.	7	23.	10	345.5	-117.5	.5	-7.5	2.650	31	.31	2.02	4		
GUTHRIE	3821	5	55.9	31	4.6	84.	7	23.	11	292.5	-143.5	11.5	.5	2.442	31	-.38	1.20	4		
HENNESSEY 2 SE	4055	5	52.2	31	2.4	76.	7	22.	11	395.5	-83.5	.0	-8.0	2.130	31	-.22	.89	4		
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.135	31	*****	.62	4		
KINGFISHER 2 SE	4861	5	53.7	31	2.8	81.	7	22.	11	353.0	-93.0	2.5	-6.5	1.760	31	-.49	.96	4		
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.250	31	.04	1.76	4		
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.510	31	-.96	1.10	4		
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.420	31	*****	1.26	4		
NORMAN 3 S	6386	5	55.9	31	3.5	85.	7	23.	11	285.0	-119.0	2.5	-10.5	1.943	31	-.95	1.00	4		
OILTON 2 SE	6616	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.500	31	*****	.89	3		
OKEMAH	6638	5	55.4	31	3.4	83.	7	26.	11	304.5	-112.5	5.5	-8.5	2.582	31	-.57	1.22	4		
OKLAHOMA CTY WS	6661	5	54.9	31	4.6	82.	7	26.	10	317.5	-146.5	3.5	-5.5	1.015	31	-1.69	.60	4		
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.310	31	-1.59	.72	4		
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.520	31	*****	1.83	4		
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.681	31	-1.50	1.10	4		
PURCELL 5 SW	7327	5	54.2	31	1.7	82.	7	21.	11	334.5	-65.5	.5	-11.5	2.562	31	-.57	1.55	4		
SEMINOLE	8042	5	55.7	31	2.3	84.	7	24.	11	294.0	-84.0	4.5	-13.5	3.030	31	-.24	2.33	4		
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.880	31	-1.31	1.15	4		
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.060	31	*****	1.07	4		
STILLWATER 2 W	8501	5	53.1	31	4.9	81.	7	19.	11	374.5	-152.5	6.5	.5	.954	31	-1.84	.62	4		
STROUD 1 N	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.383	31	*****	.92	4		
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.030	31	*****	1.30	4		
TROUSDALE	8960	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.300	31	*****	1.28	4		
UNION CITY 1 SE	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.942	31	-.97	1.81	4		
WELTY 1 SSE	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.721	31	*****	1.03	4		
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.620	31	-.63	.95	4		

MARCH 1992 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	DEG	FROM	DEG	FROM	DEG	FROM	PPT	FROM	NORM						
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	DEG	FROM		OBS	NORM			
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	2.511	31	*****	.75	18	
BEGGS	631	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	2.630	31	*****	1.18	22	
BOYNTON	1027	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	1.991	31	*****	1.06	22	
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	2.444	31	-1.36	1.16	18	
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	2.211	31	-1.49	.73	5	
DEWAR 2 NE	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	2.230	31	-1.32	.69	18	
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	*****	1.990	31	*****	.64	9	
EUFULA	2993	6	55.3	30	1.9	83.	7	27.	11	290.5	-87.5	1.0	-18.0		2.740	30	*****	.70	4		
HANNA	3884	6	54.3	31	1.6	82.	7	21.	11	333.5	-63.5	1.0	-15.0		1.901	31	-2.17	.96	18		
HARTSHORNE	3946	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	3.330	31	*****	1.78	9		
HASKELL	3956	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.530	31	-1.07	.86	9		
HOLDENVILLE	4235	6	54.7	31	2.2	82.	7	21.	11	320.5	-79.5	2.5	-9.5		1.460	31	-1.88	.59	4		
LAKE EUFAULA	4975	6	54.9	31	*****	84.	8	25.	11	324.5	*****	12.0	*****		2.710	31	*****	.83	4		
LYONS 2 N	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.402	31	-1.85	.83	22		
MARBLE CITY	5546	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.433	31	*****	.58	9		
MCALESTER FAA	5664	6	55.5	31	3.3	84.	7	21.	11	298.5	-112.5	3.5	-10.5		2.272	31	-1.73	.78	9		
MCCURTAIN 1 SE	5693	6	56.8	31	3.3	84.	7	27.	23	266.5	-110.5	12.0	-8.0		2.294	31	-1.82	.92	9		
MUSKOGEE	6130	6	54.2	31	2.2	80.	8	23.	11	342.5	-73.5	8.5	-4.5		1.951	31	-1.60	.56	22		
OKMULGEE W W	6670	6	52.0	30	2.4	82.	7	22.	12	392.0	-95.0	1.0	-8.0		2.232	30	*****	.75	9		
OKTAHA 2 NE	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.480	31	*****	.72	23		
QUINTON	7372	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	3.731	31	-.27	1.22	19		
SALLISAW 2 NE	7862	6	53.7	29	*****	82.	7	23.	23	329.5	*****	.5	*****		2.100	31	-2.14	.70	19		
SCIPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.970	31	*****	.93	18		
SCRAPER	7993	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.420	31	*****	.50	9		
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.872	31	*****	.58	5		
STILWELL 1 NE	8506	6	52.5	31	2.0	81.	7	17.	11	389.0	-72.0	2.0	-9.0		2.212	31	-2.07	.55	9		
TAHLEQUAH	8677	6	54.1	31	3.0	79.	8	19.	11	344.5	-98.5	6.0	-6.0		1.801	31	-2.29	.48	22		
WEBBERS FALLS	9445	6	51.8	31	1.8	82.	8	22.	11	410.0	-62.0	.0	-7.0		2.490	31	-1.46	.70	18		
WESTVILLE	9523	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.681	31	*****	.44	5		
WETUMKA 3 NE	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.930	31	-1.67	.64	4		

MARCH 1992 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	FROM	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	DEG	FROM	DEG	FROM	DEG	FROM	PPT	FROM	NORM						
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DEG	FROM	DEG	FROM	DEG	FROM		OBS	NORM			
ALTUS IRR STA	179	7	55.5	28	*****	80.	26	24.	10	268.5	*****	2.0	*****		.920	31	-.64	.64	4		
ALTUS DAM	184	7	55.0	31	4.2	82.	8	26.	12	315.5	-133.5	5.5	-3.5		1.470	31	-.26	.81	18		
ANADARKO	224	7	54.0	29	*****	81.	7	21.	11	318.0	*****	.0	*****		1.980	31	-.19	1.08	4		
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.320	31	-1.03	1.05	4		
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.484	30	*****	.30	4		
CARNEGIE 2 ENE	1504	7	54.5	31	3.1	83.	7	20.	11	326.0	-104.0	1.5	-6.5		.820	31	-1.18	.45	4		
CHATTANOOGA	1706	7	55.0	29	*****	79.	26	26.	11	290.5	*****	.0	*****		2.690	29	*****	1.23	4		
DUNCAN 12 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.333	31	*****	.85	8		
FREDERICK	3353	7	54.5	30	2.9	80.	9	25.	10	314.0	-112.0	.0	-11.0		1.250	30	*****	.93	4		
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	3.460	31	1.34	1.77	9		
HOBART FAA APT	4204	7	54.2	31	2.7	78.	26	21.	11	336.5	-91.5	2.5	-7.5		1.321	31	-.35	.49	4		
HOLLIS	4249	7	55.2	24	*****	82.	16	22.	11	240.0	*****	4.0	*****		1.031	26	*****	.73	4		
HOLLISTER	4250	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	2.980	31	*****	1.75	4		
LAWTON	5063	7	55.6	31	4.3	88.	8	27.	11	292.5	-141.5	2.5	-7.5		2.860	31	.73	1.89	4		
FORT SILL	5068	7	55.5	31	*****	79.	26	27.	10	296.0	*****	.0	*****		2.822	31	*****	1.17	3		
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.952	31	-.23	.64	4		
MANGUM RES STA	5509	7	56.4	31	3.4	80.	26	22.	10	270.0	-117.0	2.5	-12.5		1.680	31	.15	1.01	18		
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.850	31	*****	.55	4		
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.570	31	-1.16	.36	4		
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.380	31	*****	.21	4		
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	.503	31	-1.29	.27	5		
VINSON 3 WNW	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.391	31	-.08	.61	4		
WALTERS	9278	7	55.4	31	1.4	82.	7	26.	11	298.0	-60.0	.0	-17.0		2.970	31	.42	1.08	8		
WICHITA MT WLR	9629	7	53.0	30	3.4	78.	9	20.	11	359.5	-128.5	.0	-11.0		.840	30	*****	.65	4		
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	*****	1.990	31	*****	1.17	4		

MARCH 1992 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

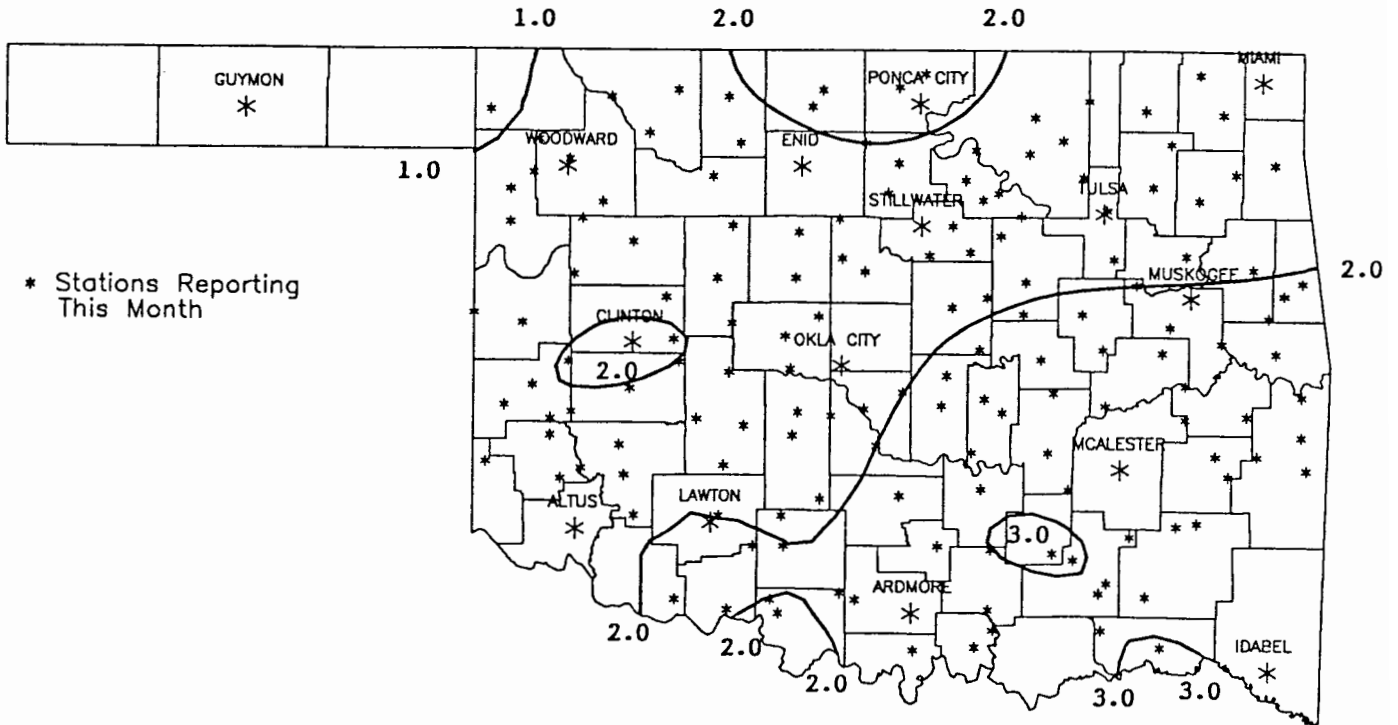
NAME	ID	CD	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	DEG	FROM	DEG	FROM	DEG	FROM	FROM	MAX			24-HR	DAY
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ADA	17	8	54.3	31	1.4	82.	7	23.	11	331.0	-61.0	.0	-17.0	3.410	31	.15	1.57	4
ALLEN	147	8	****	0	****	****	0	****	0	****	****	****	****	3.630	31	****	1.50	9
ARDMORE	292	8	56.8	31	1.3	83.	7	27.	11	259.5	-60.5	4.0	-22.0	2.700	31	-.40	1.20	4
ATOKA DAM	394	8	52.5	31	.3	79.	8	25.	23	386.5	-24.5	.0	-15.0	4.002	31	.41	1.19	4
BOKCHITO	917	8	****	0	****	****	0	****	0	****	****	****	****	1.900	31	****	.83	4
CANEY	1437	8	56.3	31	****	80.	7	30.	23	273.5	****	3.5	****	3.720	31	****	1.50	18
CENTRAHOMA	1648	8	****	0	****	****	0	****	0	****	****	****	****	1.750	31	****	.60	4
CHICKASAW NRA	1745	8	55.0	31	3.7	84.	7	21.	11	311.5	-124.5	2.5	-8.5	4.350	31	.91	2.71	4
COLEMAN	2011	8	****	0	****	****	0	****	0	****	****	****	****	2.010	31	****	.79	5
COMANCHE	2054	8	****	0	****	****	0	****	0	****	****	****	****	2.450	31	-.18	1.55	9
DAISY 4 ENE	2354	8	****	0	****	****	0	****	0	****	****	****	****	2.933	31	-1.45	.87	4
DUNCAN	2660	8	55.4	31	3.6	82.	8	26.	11	300.0	-121.0	3.5	-8.5	1.430	31	-1.16	.54	9
DURANT USDA	2678	8	55.5	31	3.2	84.	8	22.	11	302.5	-108.5	7.5	-9.5	3.200	31	-.54	1.03	18
ELMORE CITY	2872	8	****	0	****	****	0	****	0	****	****	****	****	1.830	30	****	.82	3
FARRIS 3 WNW	3083	8	****	0	****	****	0	****	0	****	****	****	****	2.780	31	-.99	.91	18
GRADY	3688	8	****	0	****	****	0	****	0	****	****	****	****	3.170	31	****	1.95	3
HEALDTON	4001	8	55.4	31	1.6	82.	7	24.	11	303.5	-62.5	4.5	-14.5	2.990	31	.08	1.50	4
HENNEPIN	4052	8	****	0	****	****	0	****	0	****	****	****	****	3.072	31	****	1.56	9
KETCHUM RANCH	4780	8	****	0	****	****	0	****	0	****	****	****	****	2.480	31	****	1.00	8
KINGSTON	4865	8	****	0	****	****	0	****	0	****	****	****	****	1.280	31	-2.28	.52	4
LEHIGH	5108	8	****	0	****	****	0	****	0	****	****	****	****	4.554	31	****	.90	9
LINDSAY 2 W	5216	8	54.5	26	****	81.	7	21.	11	274.5	****	2.5	****	1.783	26	****	1.02	4
LOCO 6 SE	5247	8	****	0	****	****	0	****	0	****	****	****	****	1.960	31	****	1.19	18
MADILL	5468	8	56.5	31	2.1	83.	7	25.	11	267.0	-82.0	3.0	-17.0	1.940	31	-1.56	1.02	3
MARIETTA	5563	8	57.3	31	2.7	83.	7	25.	11	244.0	-98.0	5.5	-14.5	1.792	31	-1.52	.82	4
MARLOW 1 WSW	5581	8	56.1	31	3.1	83.	7	23.	11	285.5	-100.5	10.5	-3.5	1.201	31	-1.24	.44	9
MCGEE CREEK DAM	5713	8	54.5	31	****	84.	8	24.	11	328.5	****	3.0	****	3.011	31	****	.84	4
PAULS VALLEY	6926	8	55.5	31	2.1	84.	7	21.	11	301.0	-73.0	5.0	-10.0	1.411	31	-1.51	.73	4
PONTOTOC	7214	8	****	0	****	****	0	****	0	****	****	****	****	2.771	31	-.88	1.25	3
TISHOMINGO NWLR	8884	8	55.5	26	****	85.	7	25.	11	252.0	****	5.5	****	1.930	31	-1.77	.55	9
TUSSY	9032	8	****	0	****	****	0	****	0	****	****	****	****	3.380	31	****	1.20	8
WAURIKA	9395	8	56.0	31	1.2	84.	7	26.	11	283.5	-55.5	3.0	-20.0	1.802	31	-.56	1.32	9
WAURIKA DAM	9399	8	56.0	31	****	84.	8	25.	11	284.0	****	4.5	****	1.501	31	****	1.02	4

MARCH 1992 SUMMARY FOR SOUTHEAST DIVISION (CD9)

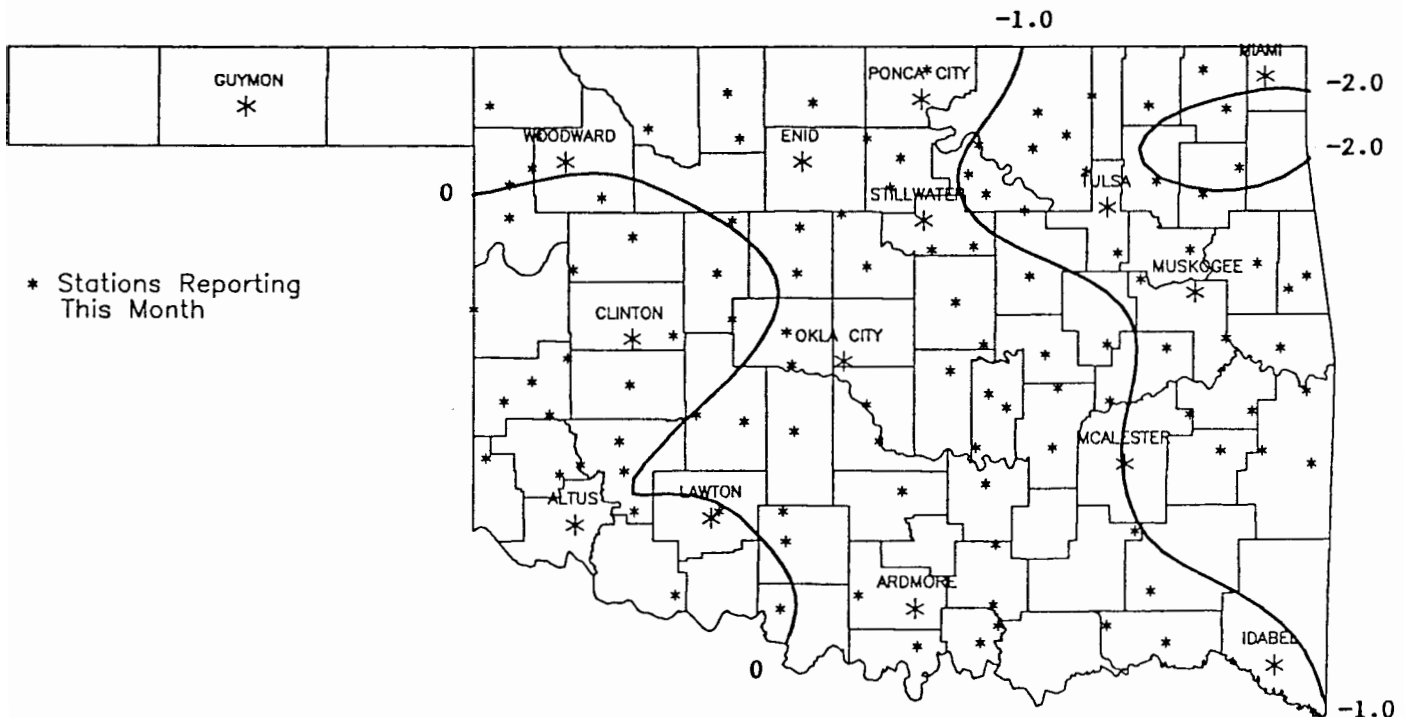
NAME	ID	CD	DEV				HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	DEG	FROM	DEG	FROM	DEG	FROM	FROM	MAX			24-HR	DAY
			TEMP	OBS	NORM	TEMP	DAY	TEMP	DAY	DAY	NORM	DAY	NORM	PPT	OBS	NORM	24-HR	DAY
ANTLERS	256	9	56.1	31	2.2	84.	7	23.	11	281.5	-81.5	6.5	-12.5	2.130	31	-1.66	.66	17
BATTIEST 1 SSW	567	9	53.0	31	****	81.	7	20.	11	372.0	****	.0	****	5.370	31	****	2.44	18
BEAR MT TWR	584	9	55.5	31	.8	82.	8	26.	23	302.5	-37.5	6.5	-14.5	4.921	31	.18	2.33	18
BENGAL	670	9	****	0	****	****	0	****	0	****	****	****	****	2.051	31	****	.66	4
BOSWELL 4 NNW	980	9	56.5	31	2.3	84.	7	27.	23	270.0	-81.0	6.0	-10.0	3.256	31	-.52	1.06	4
BROKEN BOW 1 N	1162	9	****	0	****	****	0	****	0	****	****	****	****	5.770	31	.88	2.14	19
BROKEN BOW DAM	1168	9	53.7	31	1.5	85.	8	24.	11	352.0	-53.0	1.0	-8.0	7.233	31	1.92	3.42	18
CARNASAW TWR	1499	9	****	0	****	****	0	****	0	****	****	****	****	6.970	31	1.71	3.08	18
CARTER TWR	1544	9	****	0	****	****	0	****	0	****	****	****	****	5.570	31	.71	2.56	18
FANSHAW	3065	9	****	0	****	****	0	****	0	****	****	****	****	1.680	31	-2.65	.55	18
FLAGPOLE TWR	3169	9	****	0	****	****	0	****	0	****	****	****	****	2.040	31	****	1.20	9
HEAVENER 1 SE	4008	9	****	0	****	****	0	****	0	****	****	****	****	2.260	31	-1.82	.90	18
HEE MT TWR	4017	9	****	0	****	****	0	****	0	****	****	****	****	3.612	31	-1.61	1.48	18
HUGO	4384	9	57.4	31	1.9	83.	7	27.	11	245.0	-71.0	8.5	-12.5	3.911	31	-.28	1.74	18
IDABEL	4451	9	54.7	31	1.3	84.	8	25.	11	321.0	-50.0	1.5	-10.5	4.341	31	-.51	1.44	4
POTEAU W W	7254	9	53.6	31	****	83.	8	20.	11	354.5	****	.0	****	2.175	31	****	.56	17
SMITHVILLE 1 W	8285	9	53.6	17	****	86.	7	25.	24	200.5	****	7.5	****	3.604	23	****	1.65	17
SPIRO	8416	9	****	0	****	****	0	****	0	****	****	****	****	2.010	31	-2.30	.71	18
TUSKAHOMA	9023	9	56.0	31	2.0	83.	7	20.	11	289.5	-69.5	11.0	-7.0	2.142	31	-1.99	.69	18
VALLIANT 3 W	9118	9	****	0	****	****	0	****	0	****	****	****	****	5.431	31	.97	3.34	18
WILBURTON 9 ENE	9634	9	54.5	31	1.8	85.	7	20.	11	328.0	-68.0	1.0	-13.0	3.444	31	-.73	.90	3

MARCH 1992 CLIMATE DIVISION SUMMARY

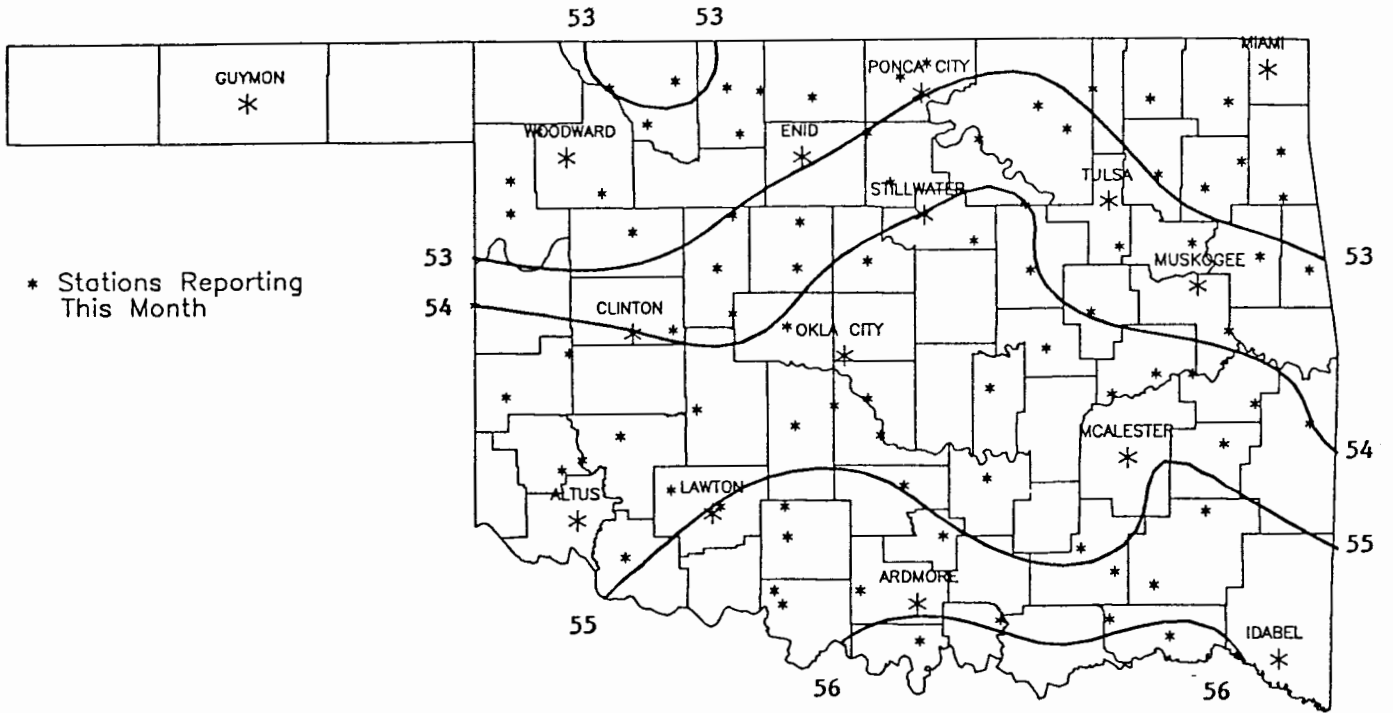
CLIMATE DIV	MEAN TEMP	NUM STA	DEV		MIN TEMP DAY	HEAT DEGREE DAYS	DEV		COOL DEGREE DAYS	DEV		TOT PPT	NUM STA	DEV		24-HR DAY
			FROM NORM	MAX TEMP			FROM NORM	FROM NORM		FROM NORM	FROM NORM					
1	50.0	11	4.3	89.0	7 10.0	10 463.6	-137.3	.7	-1.9	.64	14	-.68	.87	28		
2	52.7	15	4.4	83.0	16 16.0	10 381.3	-144.1	1.2	-6.4	1.92	23	-.35	3.50	18		
3	52.7	17	3.3	83.0	7 19.0	11 381.8	-107.6	3.9	-4.3	1.28	30	-2.15	1.25	19		
4	53.9	9	4.5	83.0	7 18.0	11 344.8	-144.5	.6	-6.1	1.85	20	-.06	4.10	18		
5	54.4	14	3.1	86.0	7 19.0	11 331.5	-104.3	3.9	-7.2	1.88	36	-.99	2.33	4		
6	54.2	11	2.4	84.0	7 17.0	11 337.5	-85.1	4.5	-8.8	2.32	28	-1.55	1.78	9		
7	54.9	9	2.9	88.0	8 20.0	11 312.0	-101.5	1.6	-9.7	1.73	20	-.21	1.89	4		
8	55.5	15	2.2	85.0	7 21.0	11 297.4	-80.5	4.0	-12.9	2.60	31	-.65	2.71	4		
9	55.1	10	1.5	86.0	7 20.0	11 311.6	-57.6	4.2	-11.7	3.82	20	-.75	3.42	18		



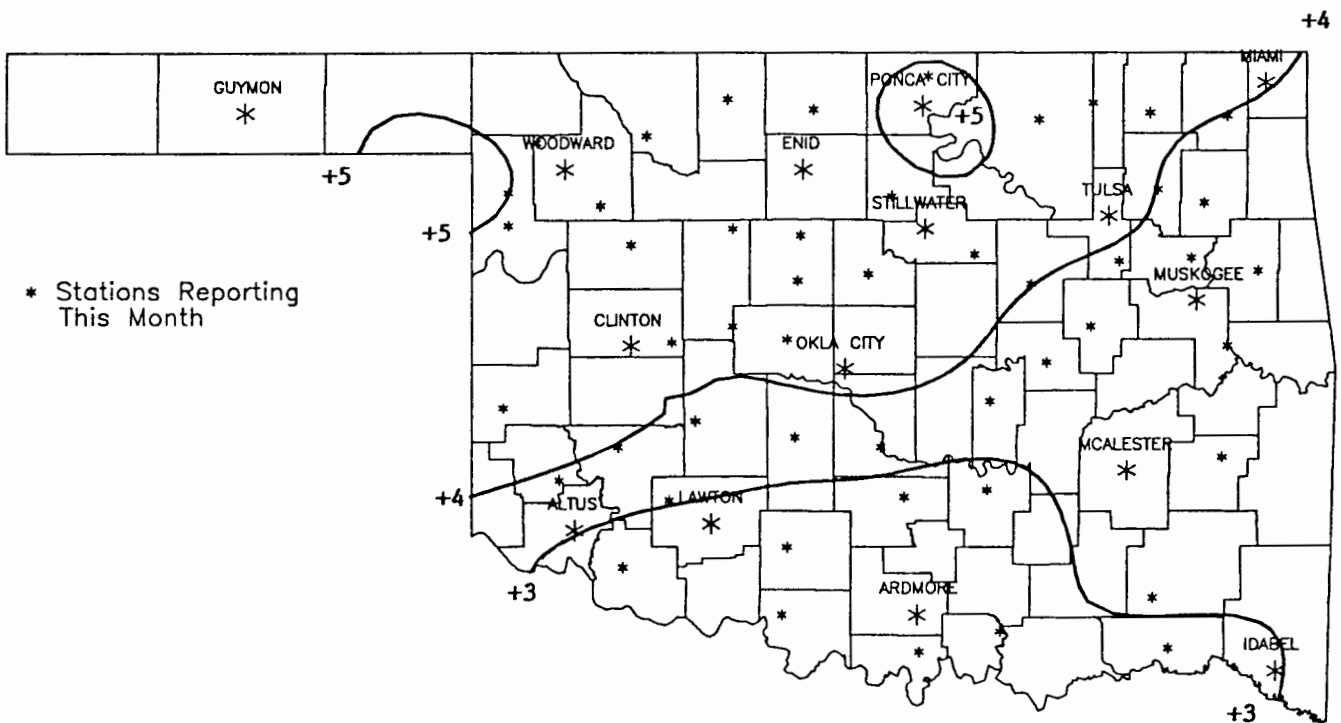
**MARCH 1992 TOTAL PRECIPITATION
(Inches)**



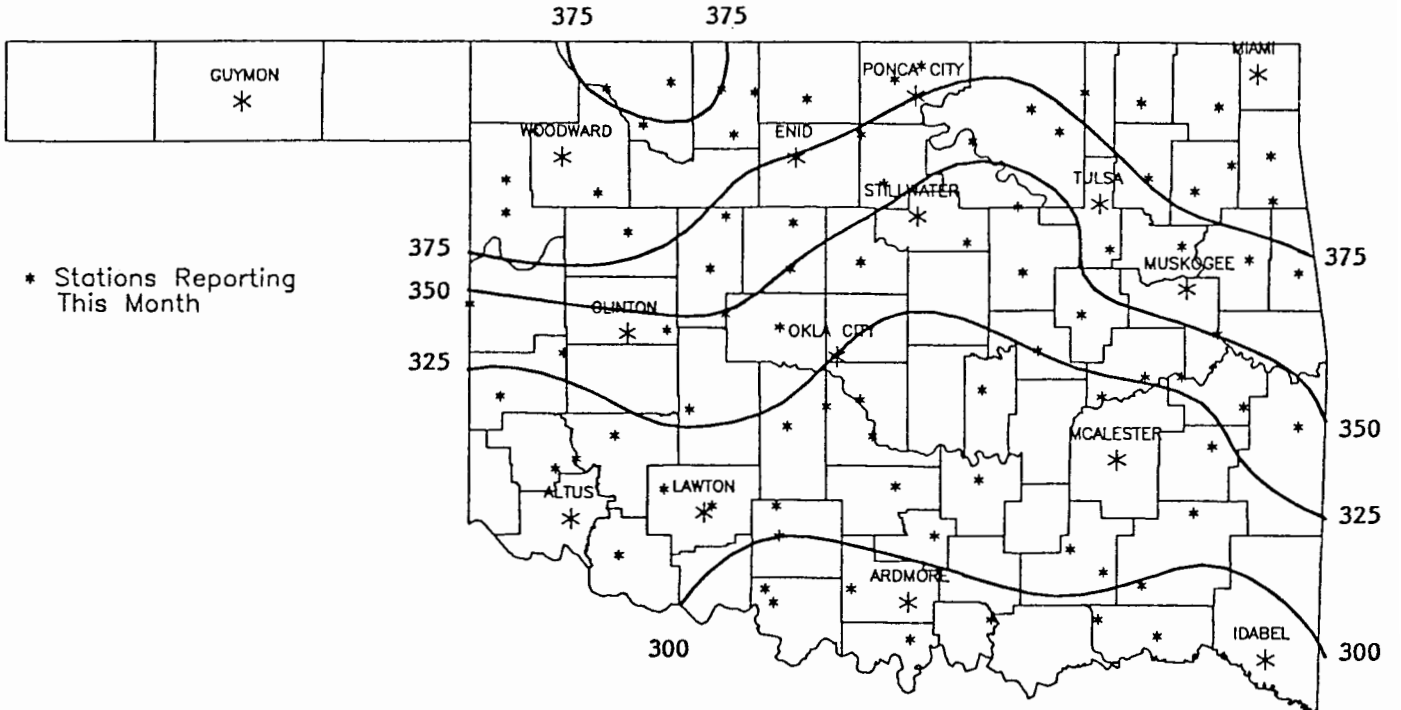
**MARCH 1992 DEVIATION FROM NORMAL PRECIPITATION
(Inches)**



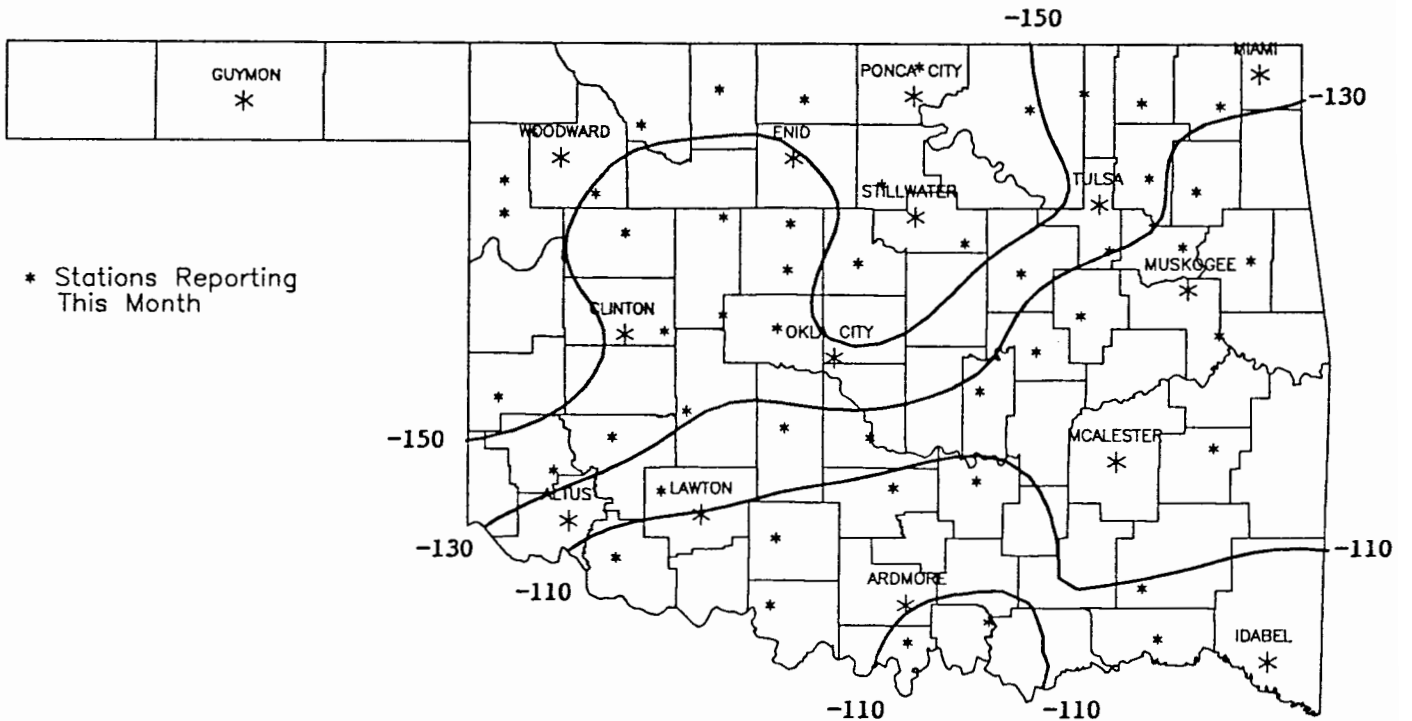
MARCH 1992 AVERAGE MONTHLY TEMPERATURES
(Degrees F)



MARCH 1992 DEVIATION FROM NORMAL TEMPERATURES
(Degrees F)

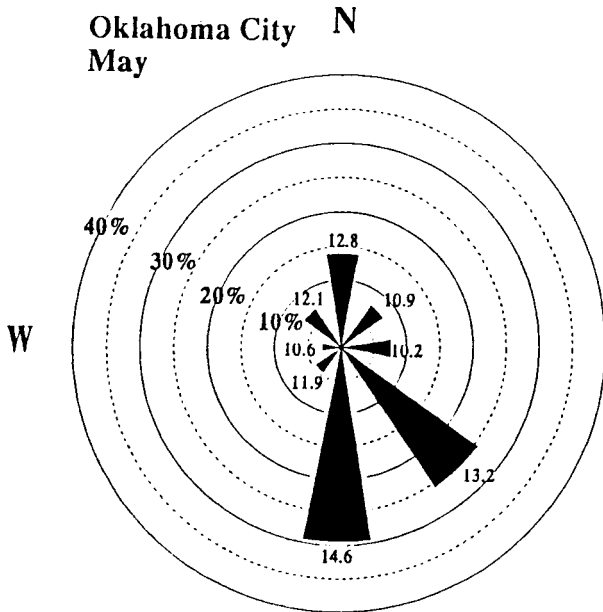


MARCH 1992 HEATING DEGREE DAYS

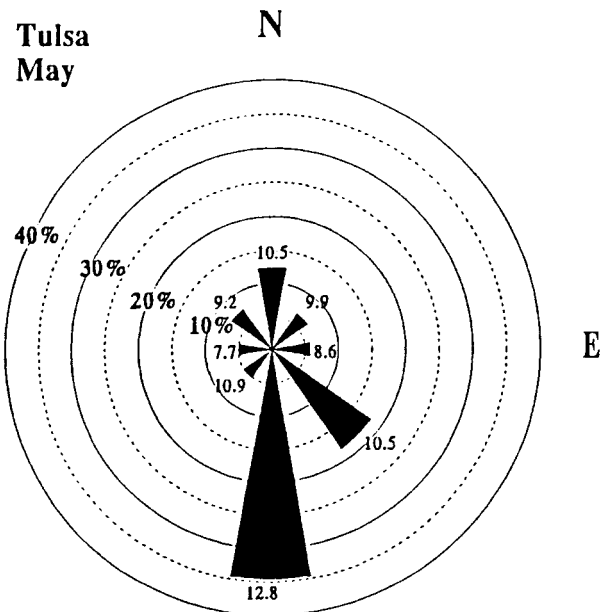


MARCH 1992 DEVIATION FROM NORMAL HEATING DEGREE DAYS

May wind roses for Oklahoma City and Tulsa. Percents represent the percentage of 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.



Calm=1.6%
Mean Speed= 12.7 mph



Calm=5.1%
Mean Speed= 10.4 mph

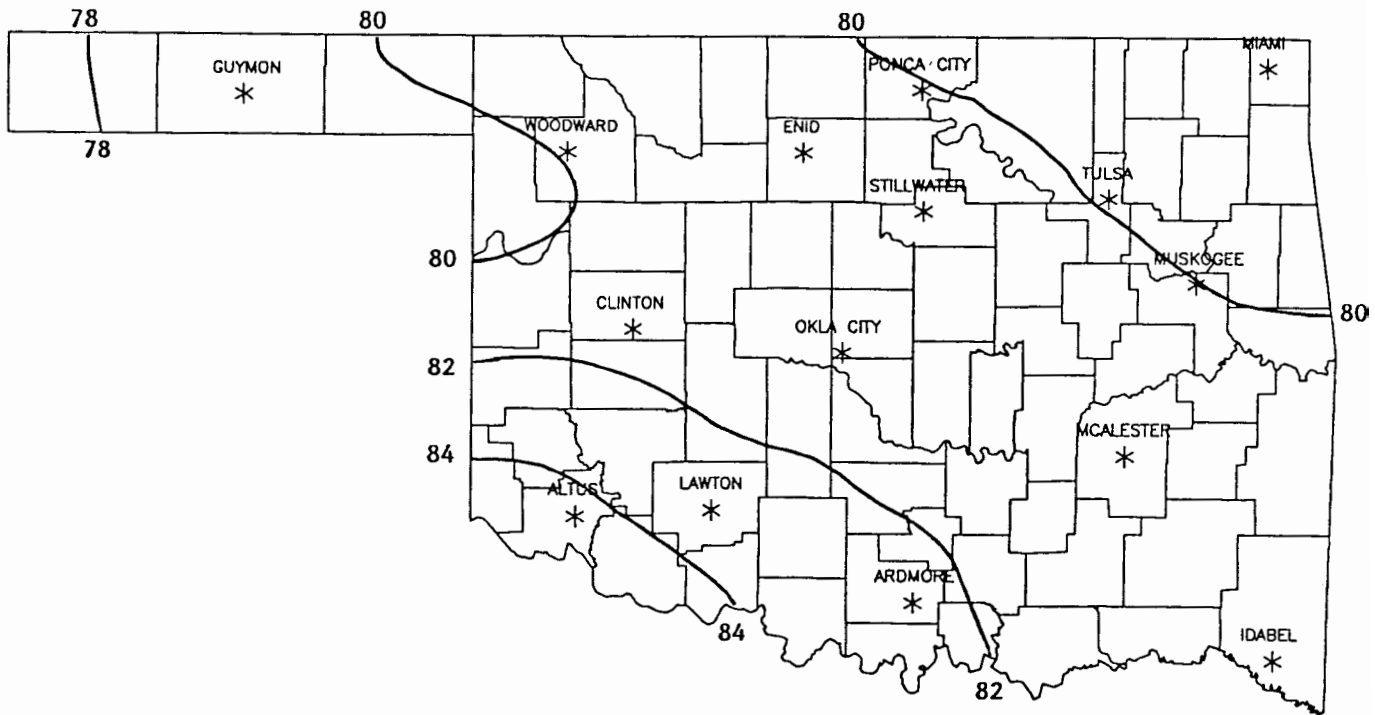
MAY 1992 SUNRISE AND SUNSET

OKLAHOMA CITY

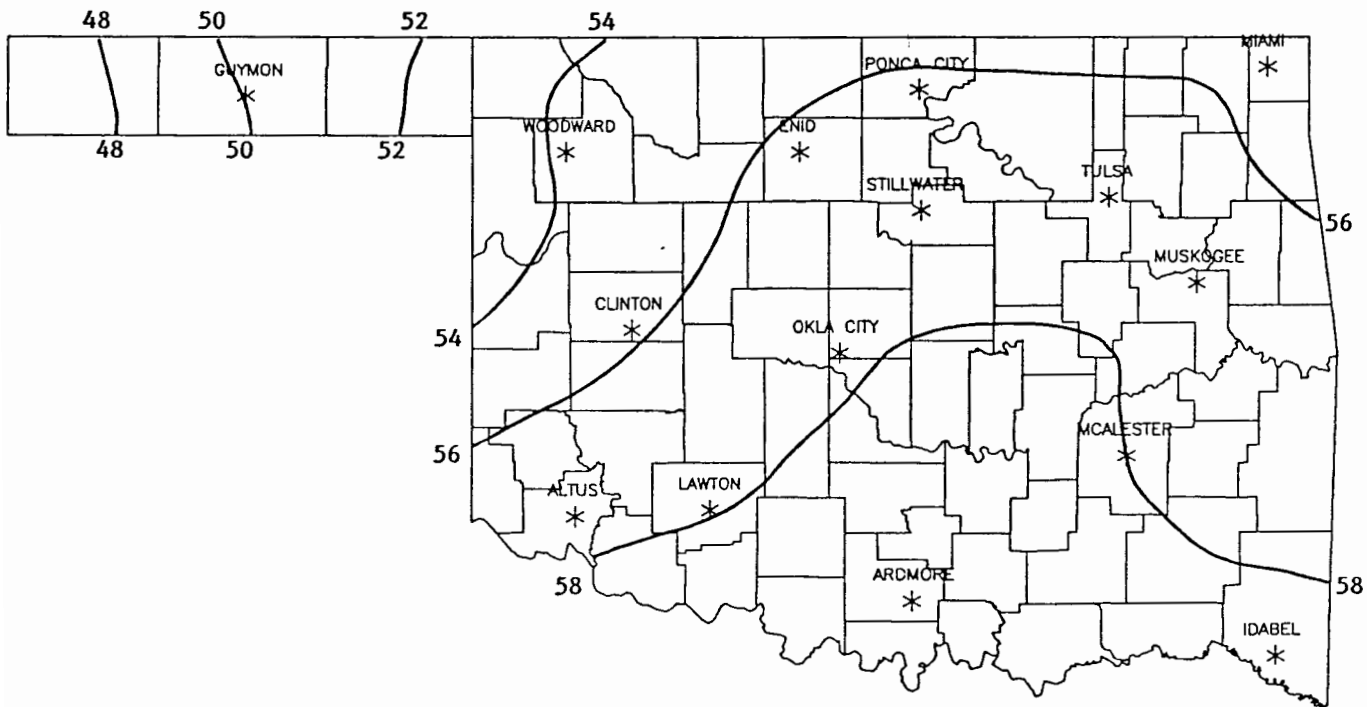
DATE	SUNRISE	SUNSET	DAYLIGHT
92 5 1	6:39AM	8:15PM CDT	13 hrs 36 mins
92 5 2	6:38AM	8:16PM CDT	13 hrs 38 mins
92 5 3	6:37AM	8:17PM CDT	13 hrs 40 mins
92 5 4	6:36AM	8:18PM CDT	13 hrs 41 mins
92 5 5	6:35AM	8:18PM CDT	13 hrs 43 mins
92 5 6	6:34AM	8:19PM CDT	13 hrs 45 mins
92 5 7	6:33AM	8:20PM CDT	13 hrs 47 mins
92 5 8	6:33AM	8:21PM CDT	13 hrs 48 mins
92 5 9	6:32AM	8:22PM CDT	13 hrs 50 mins
92 510	6:31AM	8:22PM CDT	13 hrs 52 mins
92 511	6:30AM	8:23PM CDT	13 hrs 53 mins
92 512	6:29AM	8:24PM CDT	13 hrs 55 mins
92 513	6:28AM	8:25PM CDT	13 hrs 56 mins
92 514	6:28AM	8:25PM CDT	13 hrs 58 mins
92 515	6:27AM	8:26PM CDT	13 hrs 59 mins
92 516	6:26AM	8:27PM CDT	14 hrs 1 mins
92 517	6:26AM	8:28PM CDT	14 hrs 2 mins
92 518	6:25AM	8:28PM CDT	14 hrs 4 mins
92 519	6:24AM	8:29PM CDT	14 hrs 5 mins
92 520	6:24AM	8:30PM CDT	14 hrs 6 mins
92 521	6:23AM	8:31PM CDT	14 hrs 7 mins
92 522	6:23AM	8:31PM CDT	14 hrs 9 mins
92 523	6:22AM	8:32PM CDT	14 hrs 10 mins
92 524	6:22AM	8:33PM CDT	14 hrs 11 mins
92 525	6:21AM	8:33PM CDT	14 hrs 12 mins
92 526	6:21AM	8:34PM CDT	14 hrs 13 mins
92 527	6:20AM	8:35PM CDT	14 hrs 15 mins
92 528	6:20AM	8:35PM CDT	14 hrs 16 mins
92 529	6:19AM	8:36PM CDT	14 hrs 17 mins
92 530	6:19AM	8:37PM CDT	14 hrs 18 mins
92 531	6:19AM	8:37PM CDT	14 hrs 19 mins

TULSA

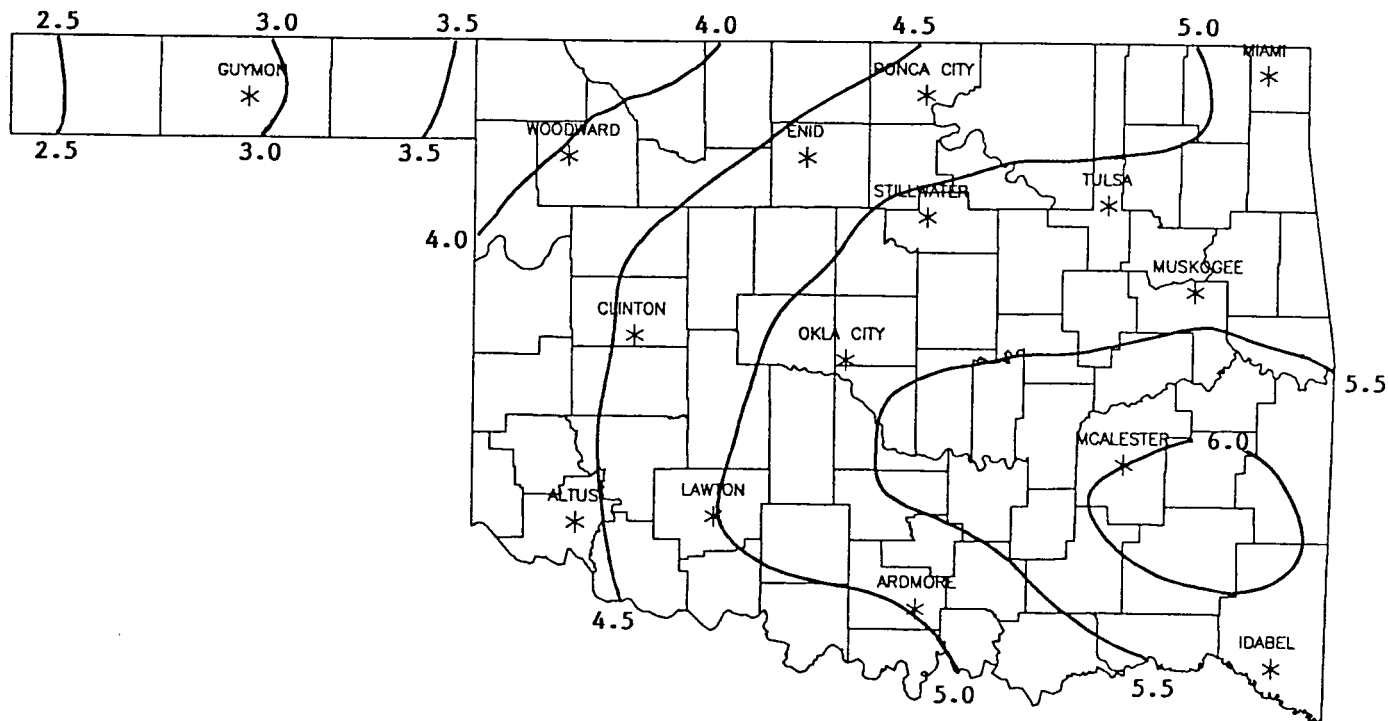
DATE	SUNRISE	SUNSET	DAYLIGHT
92 5 1	6:31AM	8:10PM CDT	13 hrs 39 mins
92 5 2	6:30AM	8:11PM CDT	13 hrs 41 mins
92 5 3	6:29AM	8:11PM CDT	13 hrs 42 mins
92 5 4	6:28AM	8:12PM CDT	13 hrs 44 mins
92 5 5	6:27AM	8:13PM CDT	13 hrs 46 mins
92 5 6	6:26AM	8:14PM CDT	13 hrs 48 mins
92 5 7	6:25AM	8:15PM CDT	13 hrs 50 mins
92 5 8	6:24AM	8:15PM CDT	13 hrs 51 mins
92 5 9	6:23AM	8:16PM CDT	13 hrs 53 mins
92 510	6:22AM	8:17PM CDT	13 hrs 55 mins
92 511	6:22AM	8:18PM CDT	13 hrs 56 mins
92 512	6:21AM	8:19PM CDT	13 hrs 58 mins
92 513	6:20AM	8:19PM CDT	14 hrs 0 mins
92 514	6:19AM	8:20PM CDT	14 hrs 1 mins
92 515	6:18AM	8:21PM CDT	14 hrs 3 mins
92 516	6:18AM	8:22PM CDT	14 hrs 4 mins
92 517	6:17AM	8:23PM CDT	14 hrs 6 mins
92 518	6:16AM	8:23PM CDT	14 hrs 7 mins
92 519	6:16AM	8:24PM CDT	14 hrs 8 mins
92 520	6:15AM	8:25PM CDT	14 hrs 10 mins
92 521	6:14AM	8:26PM CDT	14 hrs 11 mins
92 522	6:14AM	8:26PM CDT	14 hrs 12 mins
92 523	6:13AM	8:27PM CDT	14 hrs 14 mins
92 524	6:13AM	8:28PM CDT	14 hrs 15 mins
92 525	6:12AM	8:28PM CDT	14 hrs 16 mins
92 526	6:12AM	8:29PM CDT	14 hrs 17 mins
92 527	6:11AM	8:30PM CDT	14 hrs 18 mins
92 528	6:11AM	8:31PM CDT	14 hrs 20 mins
92 529	6:11AM	8:31PM CDT	14 hrs 21 mins
92 530	6:10AM	8:32PM CDT	14 hrs 22 mins
92 531	6:10AM	8:32PM CDT	14 hrs 23 mins



MAY 30-YEAR MEAN DAILY MAXIMUM TEMPERATURES



MAY 30-YEAR MEAN DAILY MINIMUM TEMPERATURES



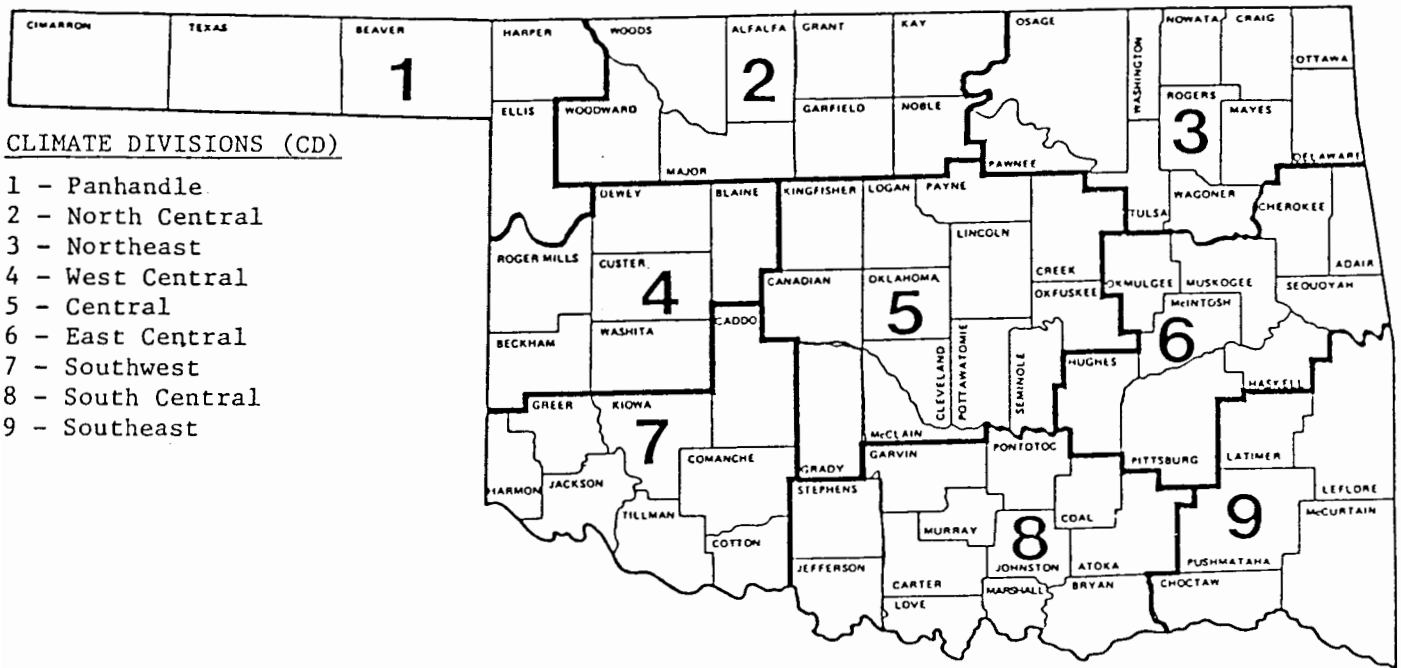
MAY 30-YEAR MEAN MONTHLY PRECIPITATION

90-DAY NATIONAL WEATHER SERVICE OUTLOOK

(April - June 1992)

Precipitation - Below Normal Statewide

Temperature - Above 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.

The data on this calendar are for Oklahoma City.
 Normal values are calculated for the period
 1961-1990. Extremes are found for the period
 of record (1891-present).

OKLAHOMA CITY CLIMATE CALENDAR

May 1992

<p>Normal 1 Actual</p> <p>73.0 max 53.0 min .09 ppt 4 hdd 1 cdd</p> <p>Highest Max 93-1948 Lowest Max 53-1966 Lowest Min 33-1969 Highest Min 66-1938 Greatest ppt 1.63-1954</p>	<p>Normal 2 Actual</p> <p>74.0 max 52.0 min .19 ppt 4 hdd 2 cdd</p> <p>Highest Max 94-1943 Lowest Max 52-1954 Lowest Min 39-1961 Highest Min 69-1959 Greatest ppt 2.99-1990</p>	<p>Normal 3 Actual</p> <p>75.0 max 54.0 min .12 ppt 3 hdd 3 cdd</p> <p>Highest Max 95-1920 Lowest Max 49-1978 Lowest Min 32-1954 Highest Min 70-1949 Greatest ppt 3.68-1998</p>	<p>Normal 4 Actual</p> <p>77.0 max 54.0 min .15 ppt 4 hdd 3 cdd</p> <p>Highest Max 93-1955 Lowest Max 44-1935 Lowest Min 34-1907 Highest Min 72-1950 Greatest ppt 3.60-1998</p>	<p>Normal 5 Actual</p> <p>77.0 max 57.0 min .15 ppt 4 hdd 4 cdd</p> <p>Highest Max 94-1940 Lowest Max 50-1935 Lowest Min 37-1917 Highest Min 69-1940 Greatest ppt 4.24-1899</p>	<p>Normal 6 Actual</p> <p>77.0 max 56.0 min .10 ppt 2 hdd 3 cdd</p> <p>Highest Max 92-1918 Lowest Max 48-1908 Lowest Min 37-1944 Highest Min 70-1966 Greatest ppt 2.61-1930</p>	<p>Normal 7 Actual</p> <p>77.0 max 56.0 min .06 ppt 2 hdd 3 cdd</p> <p>Highest Max 93-1955 Lowest Max 55-1893 Lowest Min 37-1917 Highest Min 71-1927 Greatest ppt 2.27-1892</p>	
<p>Normal 8 Actual</p> <p>78.0 max 55.0 min .11 ppt 2 hdd 4 cdd</p> <p>Highest Max 96-1918 Lowest Max 50-1943 Lowest Min 37-1917 Highest Min 70-1927 Greatest ppt 3.09-1955</p>	<p>Normal 9 Actual</p> <p>78.0 max 56.0 min .15 ppt 2 hdd 4 cdd</p> <p>Highest Max 93-1895 Lowest Max 55-1943 Lowest Min 40-1923 Highest Min 70-1963 Greatest ppt 3.37-1943</p>	<p>Normal 10 Actual</p> <p>76.0 max 56.0 min .31 ppt 2 hdd 3 cdd</p> <p>Highest Max 96-1967 Lowest Max 53-1954 Lowest Min 40-1924 Highest Min 71-1963 Greatest ppt 4.71-1950</p>	<p>Normal 11 Actual</p> <p>77.0 max 56.0 min .07 ppt 3 hdd 4 cdd</p> <p>Highest Max 94-1923 Lowest Max 54-1954 Lowest Min 37-1981 Highest Min 70-1963 Greatest ppt 2.85-1920</p>	<p>Normal 12 Actual</p> <p>77.0 max 56.0 min .19 ppt 2 hdd 4 cdd</p> <p>Highest Max 90-1986 Lowest Max 55-1914 Lowest Min 39-1979 Highest Min 72-1956 Greatest ppt 2.26-1982</p>	<p>Normal 13 Actual</p> <p>77.0 max 56.0 min .18 ppt 2 hdd 4 cdd</p> <p>Highest Max 95-1984 Lowest Max 49-1953 Lowest Min 39-1971 Highest Min 68-1974 Greatest ppt 2.56-1986</p>	<p>Normal 14 Actual</p> <p>78.0 max 56.0 min .14 ppt 2 hdd 4 cdd</p> <p>Highest Max 92-1952 Lowest Max 55-1934 Lowest Min 41-1953 Highest Min 70-1899 Greatest ppt 2.48-1966</p>	
<p>Normal 15 Actual</p> <p>79.0 max 58.0 min .14 ppt 2 hdd 5 cdd</p> <p>Highest Max 90-1966 Lowest Max 48-1945 Lowest Min 38-1907 Highest Min 71-1990 Greatest ppt 3.59-1920</p>	<p>Normal 16 Actual</p> <p>81.0 max 59.0 min .19 ppt 1 hdd 5 cdd</p> <p>Highest Max 92-1966 Lowest Max 56-1920 Lowest Min 42-1945 Highest Min 75-1974 Greatest ppt 1.81-1986</p>	<p>Normal 17 Actual</p> <p>79.0 max 59.0 min .35 ppt 1 hdd 5 cdd</p> <p>Highest Max 96-1966 Lowest Max 51-1986 Lowest Min 40-1945 Highest Min 74-1974 Greatest ppt 3.17-1951</p>	<p>Normal 18 Actual</p> <p>80.0 max 59.0 min .11 ppt 1 hdd 6 cdd</p> <p>Highest Max 95-1956 Lowest Max 59-1943 Lowest Min 45-1976 Highest Min 72-1938 Greatest ppt 1.50-1902</p>	<p>Normal 19 Actual</p> <p>81.0 max 58.0 min .22 ppt 1 hdd 6 cdd</p> <p>Highest Max 96-1973 Lowest Max 51-1943 Lowest Min 40-1894 Highest Min 71-1993 Greatest ppt 3.35-1955</p>	<p>Normal 20 Actual</p> <p>80.0 max 59.0 min .28 ppt 1 hdd 6 cdd</p> <p>Highest Max 94-1990 Lowest Max 63-1942 Lowest Min 43-1981 Highest Min 74-1902 Greatest ppt 2.74-1979</p>	<p>Normal 21 Actual</p> <p>81.0 max 60.0 min .15 ppt 1 hdd 6 cdd</p> <p>Highest Max 95-1953 Lowest Max 56-1968 Lowest Min 42-1892 Highest Min 73-1953 Greatest ppt 2.81-1922</p>	
<p>Normal 22 Actual</p> <p>81.0 max 61.0 min .18 ppt 1 hdd 6 cdd</p> <p>Highest Max 98-1939 Lowest Max 57-1892 Lowest Min 42-1931 Highest Min 74-1963 Greatest ppt 3.09-1952</p>	<p>Normal 23 Actual</p> <p>81.0 max 61.0 min .20 ppt 1 hdd 6 cdd</p> <p>Highest Max 99-1939 Lowest Max 60-1963 Lowest Min 42-1892 Highest Min 72-1953 Greatest ppt 4.16-1908</p>	<p>Normal 24 Actual</p> <p>81.0 max 61.0 min .12 ppt 0 hdd 6 cdd</p> <p>Highest Max 94-1939 Lowest Max 63-1947 Lowest Min 42-1935 Highest Min 72-1989 Greatest ppt 4.06-1903</p>	<p>Normal 25 Actual</p> <p>83.0 max 62.0 min .15 ppt 0 hdd 7 cdd</p> <p>Highest Max 93-1990 Lowest Max 63-1925 Lowest Min 47-1947 Highest Min 72-1965 Greatest ppt 1.49-1968</p>	<p>Normal 26 Actual</p> <p>82.0 max 61.0 min .32 ppt 1 hdd 7 cdd</p> <p>Highest Max 96-1953 Lowest Max 58-1950 Lowest Min 45-1901 Highest Min 74-1916 Greatest ppt 2.00-1959</p>	<p>Normal 27 Actual</p> <p>81.0 max 60.0 min .37 ppt 1 hdd 6 cdd</p> <p>Highest Max 96-1927 Lowest Max 59-1893 Lowest Min 42-1907 Highest Min 74-1912 Greatest ppt 5.38-1987</p>	<p>Normal 28 Actual</p> <p>81.0 max 61.0 min .20 ppt 0 hdd 7 cdd</p> <p>Highest Max 93-1895 Lowest Max 53-1907 Lowest Min 43-1947 Highest Min 71-1942 Greatest ppt 2.33-1987</p>	
<p>Normal 29 Actual</p> <p>83.0 max 62.0 min .30 ppt 0 hdd 8 cdd</p> <p>Highest Max 94-1985 Lowest Max 57-1902 Lowest Min 39-1947 Highest Min 73-1989 Greatest ppt 5.63-1970</p>	<p>Normal 30 Actual</p> <p>83.0 max 63.0 min .20 ppt 0 hdd 8 cdd</p> <p>Highest Max 104-1985 Lowest Max 64-1915 Lowest Min 45-1947 Highest Min 74-1974 Greatest ppt 1.67-1958</p>	<p>Normal 31 Actual</p> <p>82.0 max 63.0 min .22 ppt 1 hdd 8 cdd</p> <p>Highest Max 98-1934 Lowest Max 54-1903 Lowest Min 44-1983 Highest Min 74-1991 Greatest ppt 2.14-1892</p>	MAY AVERAGES				
TEMPERATURE : 68.5°F							
PRECIPITATION : 5.66"							
HEATING DEGREE DAYS : 46							
COOLING DEGREE DAYS : 152							

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1991; precipitation extremes are for the period 1948-1991.

TULSA CLIMATE CALENDAR

May 1992

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
74.0 54.0 1.7 3 3	max min ppt hdd cdd	75.0 53.0 1.6 3 2	max min ppt hdd cdd	76.0 54.0 1.2 3 3	max min ppt hdd cdd	78.0 55.0 0.9 4 4	max min ppt hdd cdd	78.0 56.0 1.8 5 1	max min ppt hdd cdd	78.0 56.0 1.6 2 5	max min ppt hdd cdd	78.0 56.0 1.4 2 4	max min ppt hdd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	89-1948 53-1966 32-1909 67-1987 1.20-1978	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1943 58-1990 32-1909 69-1959 2.78-1990	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	96-1920 52-1978 36-1976 67-1987 2.19-1979	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	96-1920 56-1953 32-1954 72-1950 1.66-1961	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	92-1952 63-1953 36-1907 71-1964 2.87-1960	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1952 61-1960 36-1944 71-1986 2.50-1973	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1918 58-1972 40-1931 72-1986 1.49-1978
Normal 8	Actual	Normal 9	Actual	Normal 10	Actual	Normal 11	Actual	Normal 12	Actual	Normal 13	Actual	Normal 14	Actual
78.0 56.0 1.4 2 4	max min ppt hdd cdd	78.0 57.0 1.3 2 5	max min ppt hdd cdd	77.0 58.0 1.39 2 4	max min ppt hdd cdd	77.0 57.0 1.6 2 5	max min ppt hdd cdd	77.0 57.0 1.9 2 4	max min ppt hdd cdd	77.0 57.0 2.5 2 4	max min ppt hdd cdd	78.0 56.0 2.5 2 4	max min ppt hdd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	97-1918 62-1972 37-1938 71-1986 3.66-1981	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1918 64-1954 38-1923 72-1948 1.70-1965	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1963 59-1966 41-1909 71-1963 4.36-1950	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1980 60-1968 39-1924 74-1956 2.76-1980	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1911 62-1966 40-1960 75-1956 4.95-1982	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1911 51-1963 41-1971 72-1991 3.95-1975	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1911 62-1956 44-1976 70-1991 2.51-1956
Normal 15	Actual	Normal 16	Actual	Normal 17	Actual	Normal 18	Actual	Normal 19	Actual	Normal 20	Actual	Normal 21	Actual
79.0 57.0 1.0 1 5	max min ppt hdd cdd	81.0 59.0 1.0 1 6	max min ppt hdd cdd	81.0 60.0 1.8 0 6	max min ppt hdd cdd	81.0 60.0 2.3 1 6	max min ppt hdd cdd	81.0 60.0 1.8 1 6	max min ppt hdd cdd	81.0 59.0 1.9 1 6	max min ppt hdd cdd	82.0 61.0 2.2 1 8	max min ppt hdd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	95-1911 58-1976 35-1907 69-1963 1.15-1989	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1931 66-1981 40-1907 74-1974 1.27-1959	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1911 67-1969 40-1945 76-1974 1.58-1986	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1987 65-1952 45-1976 72-1974 2.48-1960	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1911 65-1981 46-1968 74-1987 3.91-1949	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1956 64-1967 42-1981 71-1982 1.89-1967	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	95-1925 56-1968 45-1915 73-1962 1.90-1978
Normal 22	Actual	Normal 23	Actual	Normal 24	Actual	Normal 25	Actual	Normal 26	Actual	Normal 27	Actual	Normal 28	Actual
82.0 62.0 1.1 0 8	max min ppt hdd cdd	81.0 62.0 1.8 0 7	max min ppt hdd cdd	81.0 62.0 2.6 0 7	max min ppt hdd cdd	83.0 62.0 1.8 0 8	max min ppt hdd cdd	82.0 62.0 3.6 0 7	max min ppt hdd cdd	83.0 61.0 3.5 0 8	max min ppt hdd cdd	82.0 62.0 2.6 0 7	max min ppt hdd cdd
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1953 64-1963 44-1931 77-1953 1.24-1971	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1939 62-1963 41-1917 75-1953 1.45-1952	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1911 63-1956 42-1935 75-1953 2.01-1974	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1911 68-1956 45-1925 75-1953 1.80-1974	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1926 65-1976 44-1925 72-1953 2.40-1984	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1911 65-1950 45-1961 73-1953 6.95-1984	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	94-1926 66-1984 45-1947 73-1991 1.54-1981
Normal 29	Actual	Normal 30	Actual	Normal 31	Actual	MAX AVERAGES							
83.0 62.0 0.09 0 8	max min ppt hdd cdd	83.0 63.0 1.5 1 9	max min ppt hdd cdd	83.0 63.0 1.0 0 9	max min ppt hdd cdd	TEMPERATURE : 69.2°F							
Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	98-1926 69-1964 40-1947 75-1982 1.32-1981	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	98-1934 59-1964 45-1947 75-1974 2.71-1976	Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	100-1934 68-1981 49-1930 77-1991 1.00-1987	PRECIPITATION : 5.76"							
				HEATING DEGREE DAYS : 37				COOLING DEGREE DAYS : 177					