

# OKLAHOMA MONTHLY SUMMARY JANUARY 1993

## TABLE OF CONTENTS

January 1993 Oklahoma Summary.....	2
Table of January 1992/1993 Comparisons.....	5
January 1993 Data Summary Tables.....	6
January 1993 State Map Summary.....	11
March Climatological Normals.....	14
90-Day National Weather Service Outlook.....	16
Explanation of Tables and Maps.....	17
March 1993 Oklahoma City Climate Calendar..	19
March 1993 Tulsa Climate Calendar.....	20

### MONTHLY SUMMARY FOR JANUARY 1993

An ice and sleet storm on New Year's Eve blanketed most of Oklahoma, paralyzing holiday travel and starting 1993 on a wintry note. According to preliminary data from most of the state's reporting stations, temperatures for the month ranged from below zero in the Panhandle on the morning of the 13th to the low 70s in parts of western Oklahoma on the 31st. The statewide average temperature for January, 36 degrees, was four-tenths of a degree below normal. Precipitation continued to be plentiful, averaging 2.15 inches across the state, exceeding the normal for the month by .89 inch.

The New Year's Eve storm, which continued through the first, led to the closing of many highways in all but extreme southeastern Oklahoma. More than 60 vehicles were involved in two separate chain-reaction accidents in Oklahoma City early on the morning of the 1st, as travelers found the highways to be treacherously slick. Travel to and from Oklahoma City was hindered even more when two airplanes slid off an icy runway at Will Rogers Airport.

Warmer weather, which began to return to the state by the 2nd, melted the ice but led to the development of dense fog over many areas on the 2nd and 3rd. Several locations, mainly in southern and eastern parts of the state received over an inch of precipitation during the first week of the year, led by Broken Bow which reported 1.50 inches on the 4th.

Another round of winter weather arrived late on the 7th. Episodes of mainly snow and ice in the north and rain in the south continued to affect the state through the 21st. Cherokee reported 8 inches of snow on the 9th. Buffalo reported 7.5 inches and Guymon, Alva and Grainola each chipped in with 6 inches during the same period. Ice was reported as far south as Healdton on the 10th and a reported 6 to 7 inches of snow fell at Braman on the 11th.

A storm system which crossed the state on the 14th produced sleet and freezing rain all across the northwestern one-half of the state, extending as far southeast as Pittsburg and Latimer counties. The storm produced significant rain in eastern Oklahoma. Short reported 1.53 inches of precipitation on the 14th and another 2 inches fell by the morning of the 15th. Temperatures in the northwest plunged in the wake of the cold front. Guymon reported a low of -2 on the 13th and thermometer readings in the lower single-digits were common on the 13th and 14th.

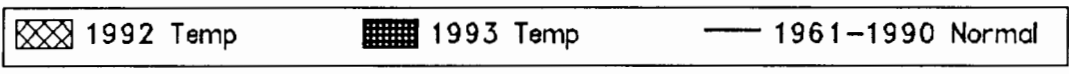
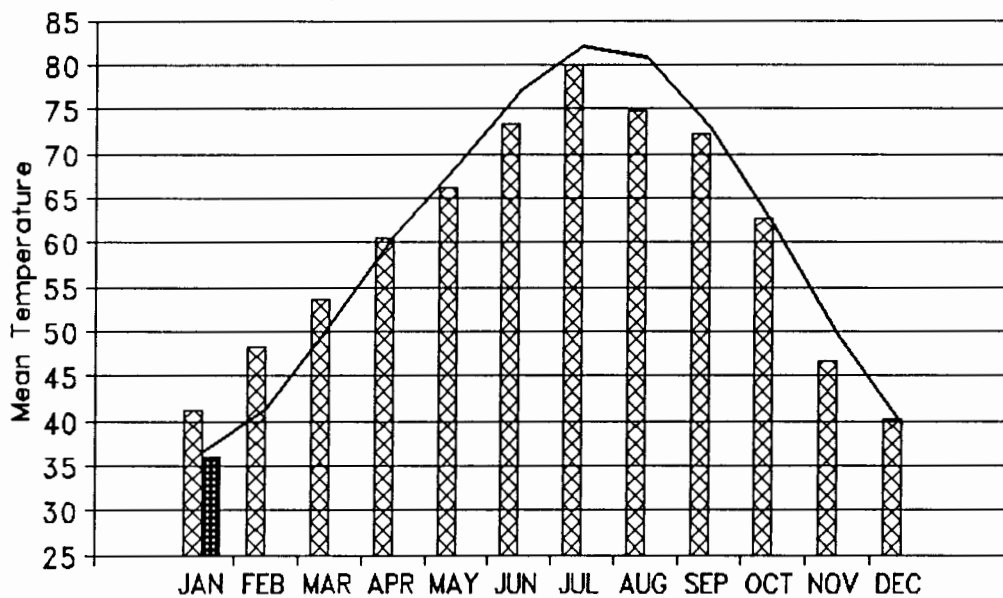
Freezing rain and snow were reported in northeastern Oklahoma on the 17th, including 3.5 inches of snow reported at Hollow and Lenapah. More ice and snow were ushered into the state on the 18th, including up to 6 inches of snow in parts of the Panhandle. Accumulations of ice were reported in Tulsa on the 19th and Wilburton reported 1.50 inches of rain. Sallisaw reported 1.59 inches on the 20th.

The weather was relatively calm during the last 10 days of the month. Fog, occurring with sub-freezing temperatures in southwestern Oklahoma on the 20th and 21st, left a thin coating of ice on grass and trees. Some light snow was reported in the Panhandle on the 23rd and again on the 26th with over 3 inches falling in the Hooker area on the latter date.

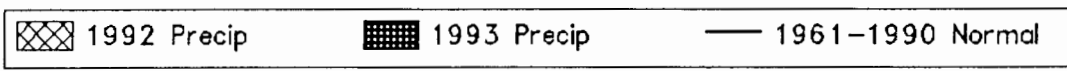
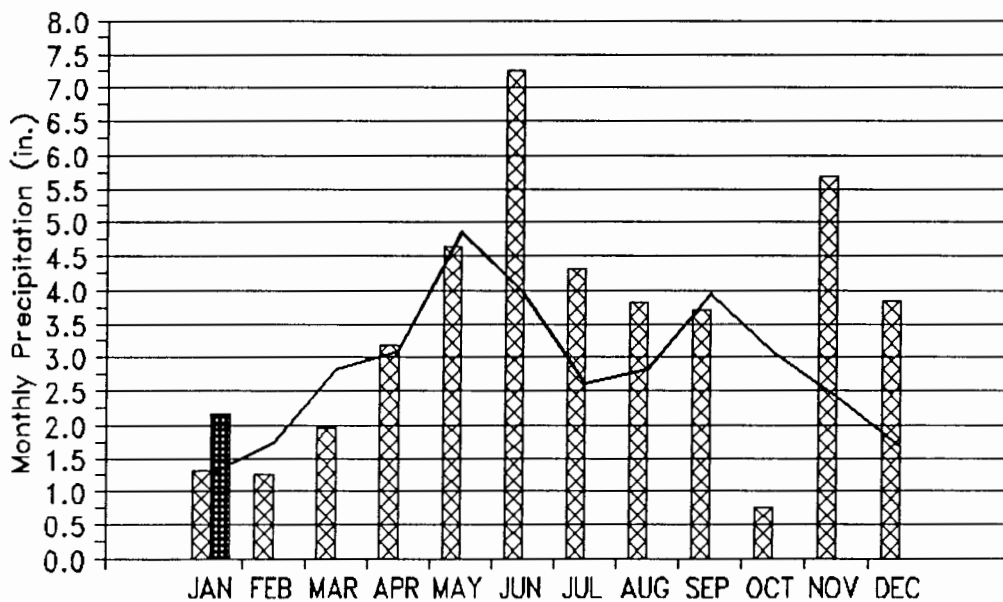
By month's end, daily maximum temperatures in the 60s were common over much of the state, although lows reached into the teens in many places in the north. Precipitation ended in all but the southeast, where it was greatly reduced during the last week of the month.

Howard L. Johnson

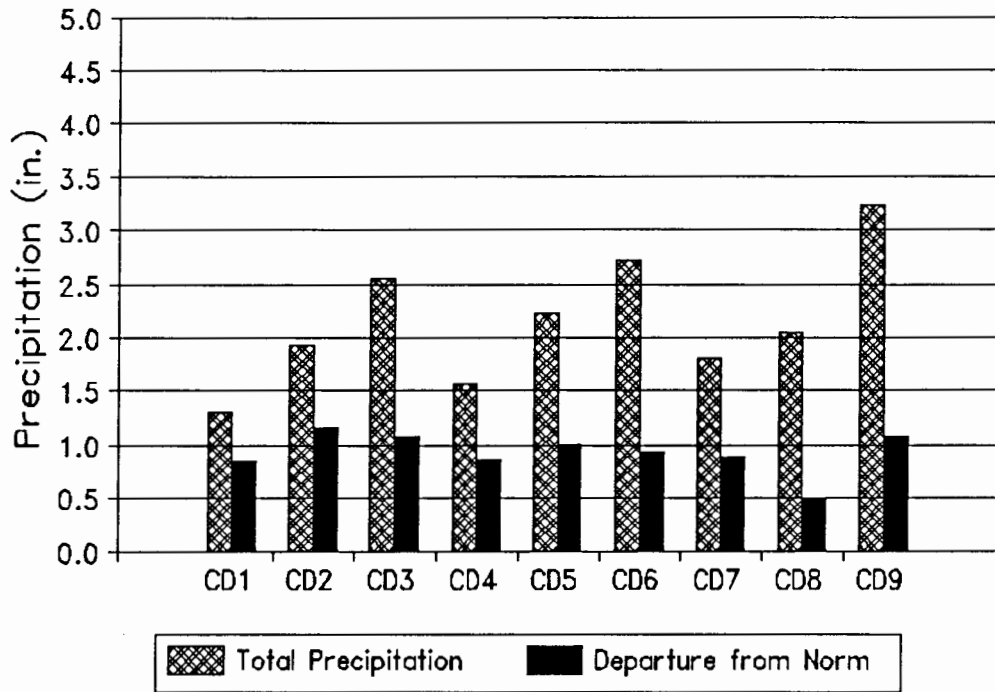
### 1992 and 1993 STATEWIDE TEMPERATURES January Through December Averages



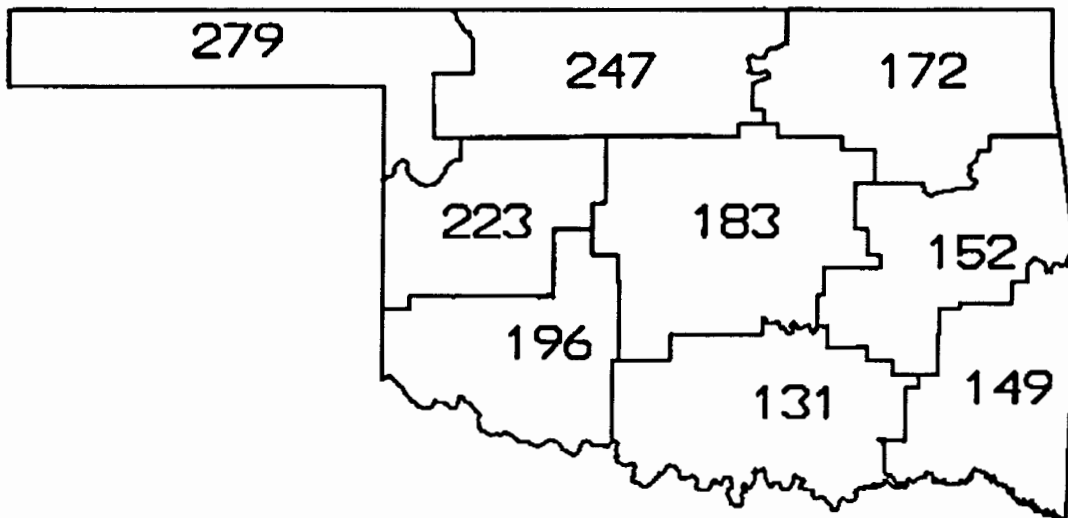
### 1992 and 1993 STATEWIDE PRECIPITATION January Through December Totals



### CD Averaged Precipitation January 1993



### CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION



JANUARY 1993

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION  
JANUARY, 1993

CD	MAX			MIN			24-HOUR			MONTHLY	
	TEMP	DATE	LOCATION	TEMP	DATE	LOCATION	PRECIP	DATE	LOCATION	PRECIP	LOCATION
1	69	27	GAGE	-2	13	GUYMON	1.10	9	LAVERNE	1.75	FARGO
2	69	28	FT SUPPLY	2	13	FT SUPPLY	1.08	9	ALVA	2.65	PONCA CITY
	69	28	FREEDOM								
3	68	29	JAY TOWER	12	18	NOWATA	1.30	20	HOLLOW	3.43	HOLLOW
4	71	31	REYDON	11	13	TALOGA	1.21	9	OKEENE	2.30	WEATHERFORD
5	69	27	GUTHRIE	14	1	HENNESSEY	1.31	9	PERKINS	3.97	GUTHRIE
	69	28	STILLWATER								
6	69	22	MCALESTER	16	13	TAHLEQUAH	2.00	15	SHORT	6.32	SHORT
7	69	31	HOLLIS	16	13	MANGUM	1.23	2	HOLLIS	2.50	ALTUS DAM
				16	13	WICHITA MTNS					
				16	14	WICHITA MTNS					
8	68	22	PAULS VALLEY	15	13	MARLOW	1.30	20	CANEY	2.97	DAISY
9	69	22	POTEAU	17	26	POTEAU	1.50	4	BROKEN BOW	5.05	BROKEN BOW
				17	26	TUSKAHOMA	1.50	19	WILBURTON		

TABLE OF 1992/1993 COMPARISONS

Station	January Temperatures (F)		January Pricipitation (in.)	
	1992	1993	1992	1993
Arnett	37.8	28.9	.74	1.20
Enid	41.5	33.6	1.01	2.59
Mutual	39.2	30.1	.94	1.74
Tulsa	43.8	36.8	.79	2.29
Elk City	42.0	33.7	1.01	1.45
Oklahoma City	42.0	36.4	1.15	1.76
McAlester	43.1	41.1	1.49	2.02
Altus Irr Sta	41.9	37.9	1.45	1.54
Durant	42.6	40.0	2.73	2.23
Ada	40.7	38.3	1.69	1.39
Antlers	42.5	41.5	1.49	1.61

EXTREMES

Variable	Station	Division	Observation	Date
Minimum temperature (F)	Beaver	1	-02	13
	Guymon	1	-02	13
	Optima Lake	1	-02	13
Maximum temperature (F)	Reydon	4	71	31
Maximum 24-hour precipitation	Smithville	9	3.50"	4

JANUARY 1993 SUMMARY FOR NORTHWEST DIVISION (CD1)

NAME	ID	CD	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	DEV	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM						
ARNETT	332	1	28.9	31	-3.6	66.	28	7.	14	1118.5	110.5	.0	.0	1.196	31	.74	.56	9			
BEAVER	593	1	26.5	31	-5.1	58.	28	-2.	13	1193.5	158.5	.0	.0	1.593	31	1.19	.63	9			
BOISE CITY 2 E	908	1	31.5	31	-2.7	69.	27	3.	10	1037.5	82.5	.0	.0	.702	31	.40	.25	19			
BUFFALO	1243	1	30.9	31	-3.7	65.	31	1.	13	1057.0	115.0	.0	.0	.600	31	.11	.50	9			
FARGO	3070	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.753	31	1.28	.83	9			
GAGE FAA APT	3407	1	31.6	30	-2.7	69.	27	3.	13	1002.5	50.5	.0	.0	1.715	30	*****	.48	9			
GATE	3489	1	27.8	30	-4.6	60.	28	1.	13	1115.0	104.0	.0	.0	1.774	31	1.22	1.00	9			
GOODWELL RES ST	3628	1	29.3	31	-2.6	62.	28	0.	10	1107.5	81.5	.0	.0	.423	29	*****	.28	20			
GUYMON	3835	1	30.3	22	*****	62.	27	-2.	13	763.0	*****	.0	*****	.780	26	*****	.25	20			
HOOVER	4298	1	27.1	31	-5.8	59.	3	3.	14	1173.5	178.5	.0	.0	.966	31	.58	.49	9			
KENTON	4766	1	30.9	29	*****	67.	27	3.	10	988.5	*****	.0	*****	.300	29	*****	.20	8			
LAVERNE	5045	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.692	31	1.16	1.10	9			
OPTIMA LAKE	6740	1	27.5	31	*****	62.	28	-2.	13	1161.5	*****	.0	*****	1.345	31	*****	.58	9			
REGNIER	7534	1	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.593	31	.29	.30	9			
TURPIN 4 SSE	9017	1	25.9	31	*****	56.	4	0.	13	1212.5	*****	.0	*****	1.401	29	*****	.60	9			

JANUARY 1993 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	DEV				HEAT			DEV		COOL		DEV		TOT	NUM	DEV	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM						
ALVA	193	2	31.2	31	*****	66.	31	8.	13	1047.5	*****	.0	*****	2.440	31	*****	1.08	9			
VANCE AFB	302	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.265	28	*****	.85	9			
BILLINGS	755	2	31.2	31	-1.6	64.	28	13.	1	1047.5	49.5	.0	.0	2.281	31	1.28	.72	9			
BLACKWELL 2E	818	2	32.8	31	-.1	62.	27	14.	13	997.5	2.5	.0	.0	2.393	31	1.45	.48	9			
BRAMAN	1075	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.570	31	*****	.52	9			
CEDARDALE	1620	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.553	31	*****	.80	9			
CHEROKEE	1724	2	32.4	31	-2.1	64.	31	9.	13	1011.0	65.0	.0	.0	.600	31	-.25	.60	2			
ENID	2912	2	33.6	31	-1.5	65.	27	13.	13	972.0	45.0	.0	.0	2.590	30	*****	.93	9			
FT SUPPLY DAM	3304	2	29.0	31	-3.2	69.	28	2.	13	1116.0	99.0	.0	.0	1.411	31	.96	.75	9			
FREEDOM	3358	2	28.5	31	-5.5	69.	28	3.	14	1132.5	171.5	.0	.0	1.612	31	1.07	.67	9			
GREAT SALT PLNS	3740	2	30.2	28	*****	61.	28	12.	14	975.0	*****	.0	*****	1.401	25	*****	.68	9			
HARDY	3909	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.932	31	*****	.91	10			
HELENA 1 SSE	4019	2	30.5	31	-1.3	65.	28	9.	14	1071.0	42.0	.0	.0	2.413	31	1.64	.94	9			
JEFFERSON	4573	2	33.6	31	-.5	65.	27	13.	13	972.0	14.0	.0	.0	2.203	31	1.35	.76	8			
LAMONT	5013	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.490	31	*****	.78	8			
MEDFORD	5768	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.421	31	*****	.89	8			
MORRISON	6065	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.430	31	*****	.80	9			
MUTUAL	6139	2	30.1	31	-2.4	64.	28	7.	14	1082.5	74.5	.0	.0	1.741	31	1.14	.97	9			
NEWKIRK	6278	2	31.9	31	-1.3	62.	27	12.	13	1026.0	40.0	.0	.0	1.741	31	.87	.59	9			
ORIENTA	6751	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.230	31	.52	.78	9			
PERRY	7012	2	35.7	31	-.0	67.	27	16.	13	909.5	1.5	.0	.0	2.000	31	1.06	1.05	9			
PONCA CITY FAA	7201	2	34.2	28	*****	65.	27	16.	13	862.0	*****	.0	*****	2.652	30	*****	.61	10			
RED ROCK 1 NNE	7505	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.460	31	1.56	.94	9			
WAYNOKA	9404	2	31.7	31	-3.2	67.	27	7.	13	1032.0	99.0	.0	.0	1.730	31	1.09	.72	9			
WOODWARD	9760	2	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.854	31	1.31	1.02	9			

JANUARY 1993 SUMMARY FOR NORTHEAST DIVISION (CD3)

NAME	ID	CD	DEV				HEAT				COOL				TOT	NUM	DEV		24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	DEG	FROM	DEG	FROM	DEG	FROM			PPT	OBS		
BARNSDALL	535	3	34.8	31	.2	65.	27	15.	30	936.0	-6.0	.0	.0	2.754	31	1.36	.91	20		
BARTLESVILLE 2W	548	3	34.9	31	.2	64.	27	15.	13	933.0	-6.0	.0	.0	2.634	31	1.36	.80	20		
BIXBY	782	3	34.8	30	.8	65.	28	17.	1	905.5	-55.5	.0	.0	1.350	31	-.22	.59	9		
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.664	31	1.52	1.16	9		
CHELSEA 4 S	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.000	31	*****	.93	20		
CLAREMORE	1828	3	34.0	31	.9	65.	29	17.	31	962.5	-26.5	.0	.0	2.850	31	1.25	.92	20		
CLEVELAND 5 WSW	1902	3	37.4	26	*****	67.	27	16.	13	716.5	*****	.0	*****	1.900	27	*****	.90	9		
FORAKER	3250	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.741	31	.72	.42	20		
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.431	31	1.95	1.30	20		
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.623	31	1.37	.68	10		
HULAH DAM	4393	3	32.9	19	*****	65.	28	14.	14	610.0	*****	.0	*****	2.530	29	*****	.74	9		
JAY TOWER	4567	3	34.4	31	*****	68.	29	16.	14	948.5	*****	.0	*****	2.840	31	*****	.92	20		
KANSAS 1 ESE	4672	3	37.4	29	*****	62.	28	15.	13	800.5	*****	.0	*****	2.758	31	.60	1.03	20		
KEYSTONE DAM	4812	3	34.3	22	*****	65.	28	17.	25	675.5	*****	.0	*****	2.811	24	*****	.88	9		
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.310	31	*****	1.10	20		
MANNFORD 6 NW	5522	3	36.6	31	1.1	67.	27	14.	13	880.5	-34.5	.0	.0	2.820	31	1.50	.66	20		
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.553	31	1.28	.84	9		
MIAMI	5855	3	34.5	31	1.8	62.	29	15.	30	944.5	-56.5	.0	.0	2.720	31	.97	.80	11		
NOWATA	6485	3	34.0	30	-.5	63.	31	12.	18	930.5	-15.5	.0	.0	2.421	31	.83	1.15	20		
ONETA 1 WNW	6713	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.290	31	*****	.91	20		
PAWUSKA	6935	3	34.5	31	.4	65.	27	14.	13	944.5	-13.5	.0	.0	2.863	31	1.58	.83	9		
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.302	31	1.08	.78	9		
PRYOR 6 N	7309	3	33.5	31	.5	63.	29	17.	31	975.0	-17.0	.0	.0	3.379	31	1.63	1.22	20		
RALSTON	7390	3	35.2	31	.5	66.	27	16.	13	923.0	-16.0	.0	.0	2.482	31	1.33	.70	9		
RAMONA 4 N	7394	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.153	31	*****	1.00	20		
SKIATOOK	8258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.760	31	.39	.58	9		
SPAVINAW	8380	3	38.2	31	1.7	64.	31	17.	13	829.5	-54.5	.0	.0	2.897	31	1.20	.91	20		
TULSA WSO APT	8992	3	36.8	30	1.6	65.	31	17.	30	846.0	-78.0	.0	.0	2.286	31	.75	.78	20		
UPPER SPAVINAW	9101	3	36.3	30	*****	60.	31	18.	13	861.0	*****	.0	*****	2.635	30	*****	1.15	20		
VINITA 2 N	9203	3	36.2	31	2.6	62.	31	15.	13	891.5	-81.5	.0	.0	1.400	31	-.40	.39	9		
WAGONER	9247	3	38.8	31	2.0	65.	31	17.	13	811.5	-62.5	.0	.0	2.383	31	.42	.95	20		
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.840	31	*****	.90	20		
WYONOA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.512	31	*****	.70	20		

JANUARY 1993 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	DEV				HEAT				COOL				TOT	NUM	DEV		24-HR	DAY
			MEAN	NUM	FROM	MAX	MIN	DAY	DEG	FROM	DEG	FROM	DEG	FROM			PPT	OBS		
CANTON DAM	1445	4	32.1	30	-1.1	65.	28	12.	14	987.0	1.0	.0	.0	1.820	31	1.20	.85	9		
CHEYENNE	1738	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.000	31	-.48	.00	31		
CLINTON	1909	4	33.7	30	-2.9	65.	31	15.	13	940.0	60.0	.0	.0	1.902	31	.96	.83	9		
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.221	31	*****	.68	9		
CORDELL	2125	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.138	31	1.23	.72	2		
ELK CITY 1 E	2849	4	33.7	31	-2.5	65.	31	14.	13	971.0	78.0	.0	.0	1.452	31	.76	.52	9		
ERICK 4 E	2944	4	34.5	31	-2.1	67.	31	15.	13	944.5	64.5	.0	.0	1.001	31	.47	.44	9		
GEARY	3497	4	36.8	31	1.2	66.	28	20.	13	875.0	-36.0	.0	.0	1.370	31	.61	1.05	9		
HAMMON 1 NNE	3871	4	31.6	29	*****	65.	28	12.	14	969.5	*****	.0	*****	1.431	31	.75	.67	9		
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.070	31	.58	.56	9		
MACKIE 4 NNW	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.020	31	*****	.39	9		
MORAVIA 2 NNE	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.312	31	.60	.46	9		
OKEENE	6629	4	34.1	31	-2.1	65.	27	15.	13	957.0	64.0	.0	.0	1.410	31	.64	1.21	9		
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.710	31	*****	.50	9		
REYDON	7579	4	35.7	31	.2	71.	31	15.	13	908.0	-7.0	.0	.0	.303	31	-.16	.15	1		
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	.714	31	.24	.33	2		
SWEETWATER 2 E	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.394	31	*****	.79	1		
TALOGA	8708	4	33.4	31	-1.4	67.	31	11.	13	978.5	42.5	.0	.0	1.731	31	1.03	.76	9		
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.280	31	*****	.58	3		
VICI	9172	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.970	31	1.24	.86	9		
WATONGA	9364	4	34.3	31	-1.1	65.	27	15.	13	951.5	33.5	.0	.0	2.214	31	1.26	.86	9		
WEATHERFORD	9422	4	33.0	31	-1.3	63.	28	14.	14	993.0	41.0	.0	.0	2.304	31	1.48	.95	9		

JANUARY 1993 SUMMARY FOR CENTRAL DIVISION (CD5)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	TEMP DAY									
AMBER	200	5	****	0	****	****	0	****	0	****	****	****	1.180	31	****	.91	9
ARCADIA	288	5	****	0	****	****	0	****	0	****	****	****	2.160	31	****	.83	9
TINKER AFB	325	5	****	0	****	****	0	****	0	****	****	****	2.308	30	****	.81	9
BLANCHARD 2 SSW	830	5	37.8	31	-.5	64.	31	18.	13	843.5	15.5	.0	2.544	31	1.43	1.00	9
BRISTOW	1144	5	36.9	31	.1	66.	27	17.	13	870.0	-4.0	.0	1.984	31	.60	.79	20
CHANDLER	1684	5	38.8	28	****	66.	31	17.	13	733.5	****	.0	1.553	31	.28	.90	9
CHICKASHA EX ST	1750	5	36.5	31	-.8	64.	31	19.	13	883.0	24.0	.0	2.290	31	1.26	1.10	9
COX CITY 1 E	2196	5	****	0	****	****	0	****	0	****	****	****	2.120	31	****	.78	20
CRESCENT	2242	5	****	0	****	****	0	****	0	****	****	****	2.190	31	****	.97	9
CUSHING	2318	5	34.0	31	-.2	65.	28	15.	1	962.0	7.0	.0	1.980	31	.85	.73	9
EL RENO 1 N	2818	5	35.8	31	.1	64.	27	18.	13	904.0	-4.0	.0	2.010	31	1.01	.91	9
GUTHRIE	3821	5	37.3	31	1.0	69.	27	17.	13	857.5	-32.5	.0	3.973	31	2.82	1.20	9
HENNESSEY 2 SE	4055	5	34.2	30	-.9	62.	27	14.	1	924.0	-3.0	.0	2.550	31	1.69	.91	9
INGALLS	4489	5	****	0	****	****	0	****	0	****	****	****	2.163	31	****	.82	20
KINGFISHER 2 SE	4861	5	35.5	31	-.5	64.	31	16.	13	916.0	17.0	.0	2.152	31	1.15	.91	9
KONAWA	4915	5	****	0	****	****	0	****	0	****	****	****	1.961	31	.45	.91	20
MARSHALL	5589	5	****	0	****	****	0	****	0	****	****	****	2.170	31	1.29	.89	9
MEEKER 4 W	5779	5	37.2	30	.5	64.	31	17.	13	834.0	-43.0	.0	1.950	31	.91	.78	8
MULHALL	6110	5	****	0	****	****	0	****	0	****	****	****	2.610	31	****	.97	9
NORMAN 3 S	6386	5	36.8	31	-1.0	65.	27	17.	13	875.0	32.0	.0	2.554	31	1.23	.90	9
OILTON 2 SE	6616	5	****	0	****	****	0	****	0	****	****	****	1.960	31	****	.78	8
OKEMAH	6638	5	38.3	31	.8	65.	31	18.	13	828.0	-25.0	.0	2.220	31	.77	.96	20
OKLAHOMA CTY WS	6661	5	36.4	31	.5	64.	27	18.	13	885.5	-16.5	.0	1.755	31	.63	.62	9
PERKINS	7003	5	****	0	****	****	0	****	0	****	****	****	2.330	31	1.16	1.31	9
PIEDMONT	7068	5	****	0	****	****	0	****	0	****	****	****	2.300	31	****	.96	9
PRAGUE	7264	5	****	0	****	****	0	****	0	****	****	****	2.372	31	.94	.95	21
PURCELL 5 SW	7327	5	38.1	31	.7	65.	22	19.	13	832.5	-23.5	.0	2.395	31	1.06	.85	9
SEMINOLE	8042	5	38.9	31	.1	65.	27	18.	13	808.5	-3.5	.0	2.281	31	.80	1.07	20
SHAWNEE	8110	5	****	0	****	****	0	****	0	****	****	****	2.201	31	.83	.85	20
STELLA	8479	5	****	0	****	****	0	****	0	****	****	****	2.230	31	****	.81	9
STILLWATER 2 W	8501	5	35.1	31	1.5	69.	28	15.	13	927.0	-46.0	.0	2.243	31	1.09	.85	9
STROUD 1 N	8563	5	****	0	****	****	0	****	0	****	****	****	2.035	31	****	.72	20
TECUMSEH	8751	5	****	0	****	****	0	****	0	****	****	****	2.280	31	****	.85	20
TROUSDALE	8960	5	****	0	****	****	0	****	0	****	****	****	2.460	31	****	.90	20
UNION CITY 1 SE	9086	5	****	0	****	****	0	****	0	****	****	****	1.642	31	.28	.94	9
WELTY 1 SSE	9479	5	****	0	****	****	0	****	0	****	****	****	2.199	31	****	.90	20
WEWOKA	9575	5	****	0	****	****	0	****	0	****	****	****	2.850	31	1.40	1.01	20

JANUARY 1993 SUMMARY FOR EAST CENTRAL DIVISION (CD6)

NAME	ID	CD	DEV						HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
			MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	MIN DAY	TEMP DAY									
ASHLAND	364	6	****	0	****	****	0	****	0	****	****	****	2.284	31	****	1.10	20
BEGGS	631	6	****	0	****	****	0	****	0	****	****	****	2.330	31	****	.96	20
BOYNTON	1027	6	****	0	****	****	0	****	0	****	****	****	2.774	31	****	1.15	20
CALVIN	1391	6	****	0	****	****	0	****	0	****	****	****	2.354	31	.75	.94	20
CHECOTAH	1711	6	****	0	****	****	0	****	0	****	****	****	2.042	31	.41	1.17	20
CLAYTON 15 WNW	1858	6	****	0	****	****	0	****	0	****	****	****	2.601	31	****	1.14	20
DEWAR 2 NE	2485	6	****	0	****	****	0	****	0	****	****	****	2.431	31	.85	1.09	20
DUSTIN	2690	6	****	0	****	****	0	****	0	****	****	****	1.950	31	****	.93	20
EUFULA	2993	6	40.7	31	1.8	67.	31	22.	13	752.0	-57.0	.0	2.214	31	.38	1.22	20
HANNA	3884	6	39.0	31	1.0	66.	31	19.	13	807.5	-29.5	.0	2.044	31	.31	1.10	20
HARTSHORNE	3946	6	****	0	****	****	0	****	0	****	****	****	2.760	31	****	1.23	20
HASKELL	3956	6	****	0	****	****	0	****	0	****	****	****	2.801	31	.94	1.17	20
HOLDENVILLE	4235	6	38.2	31	-.1	65.	31	19.	13	830.0	2.0	.0	2.301	31	.89	.94	20
LAKE EUFAULA	4975	6	38.1	31	****	66.	28	20.	14	833.5	****	.0	1.806	31	****	1.26	20
LYONS 2 N	5437	6	****	0	****	****	0	****	0	****	****	****	3.401	31	1.61	1.00	20
MARBLE CITY	5546	6	****	0	****	****	0	****	0	****	****	****	3.822	31	****	1.25	20
MCALESTER FAA	5664	6	41.1	31	3.5	69.	22	20.	13	741.5	-107.5	.0	2.016	31	.03	.85	19
MCCURTAIN 1 SE	5693	6	40.4	30	1.1	67.	22	20.	13	739.0	-58.0	.0	3.315	31	1.15	1.40	20
MUSKOGEE	6130	6	38.9	31	1.6	65.	3	19.	13	809.5	-49.5	.0	2.141	31	.34	1.03	19
OKMULGEE W W	6670	6	35.2	31	.4	64.	28	18.	14	923.5	-12.5	.0	2.445	31	.82	1.05	20
OKTAHA 2 NE	6678	6	****	0	****	****	0	****	0	****	****	****	2.530	31	****	1.28	20
QUINTON	7372	6	****	0	****	****	0	****	0	****	****	****	2.988	31	1.04	1.21	20
SALLISAW 2 NE	7862	6	38.5	31	.6	65.	31	18.	30	820.0	-20.0	.0	3.875	31	1.88	1.59	20
SCIPIO	7979	6	****	0	****	****	0	****	0	****	****	****	2.230	31	****	1.31	20
SCRAPER	7993	6	****	0	****	****	0	****	0	****	****	****	3.270	31	****	1.05	20
SHORT	8170	6	****	0	****	****	0	****	0	****	****	****	6.325	31	****	2.00	15
STILLWELL 1 NE	8506	6	38.2	31	1.8	63.	31	17.	30	831.0	-56.0	.0	3.222	31	1.14	1.14	4
TAHLEQUAH	8677	6	37.5	31	1.2	63.	31	16.	13	853.0	-37.0	.0	2.494	31	.48	1.25	20
WEBBERS FALLS	9445	6	36.1	31	.8	65.	28	18.	30	895.5	-25.5	.0	3.020	31	1.21	1.41	20
WESTVILLE	9523	6	****	0	****	****	0	****	0	****	****	****	3.560	31	****	1.15	20
WETUMKA 3 NE	9571	6	****	0	****	****	0	****	0	****	****	****	2.610	31	1.12	.96	20



JANUARY 1993 SUMMARY FOR SOUTHWEST DIVISION (CD7)

NAME	ID	CD	DEV				HEAT			DEV			COOL			DEV			TOT	NUM	DEV	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	DEG	DAY	FROM	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM	DEG						
ALTUS IRR STA	179	7	37.9	31	-1.6	67.	31	20.	13	841.0	50.0	.0	.0	1.540	31	.70	.63	20						
ALTUS DAM	184	7	32.9	25	*****	56.	28	19.	14	803.0	*****	.0	*****	2.500	31	1.73	.62	20						
ANADARKO	224	7	36.1	31	-.3	63.	31	17.	13	895.0	8.0	.0	.0	1.943	31	.91	.94	9						
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.020	31	.92	.87	9						
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.413	30	*****	.58	1						
CARNEGIE 2 ENE	1504	7	36.7	31	-.1	66.	27	18.	13	877.5	3.5	.0	.0	1.980	31	1.05	.74	9						
CHATTANOOGA	1706	7	38.9	31	.2	63.	31	21.	14	808.0	-7.0	.0	.0	.962	31	.00	.68	20						
DUNCAN 12 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.913	31	*****	.74	8						
FREDERICK	3353	7	36.1	31	-1.6	63.	28	19.	13	897.0	51.0	.0	.0	1.370	31	.46	.56	20						
GRANDFIELD 4 NW	3709	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.690	31	.60	.84	20						
HOBART FAA APT	4204	7	35.5	30	-1.5	62.	31	19.	1	883.5	15.5	.0	.0	1.952	30	*****	.50	20						
HOLLIS	4249	7	35.2	28	*****	69.	31	17.	13	834.5	*****	.0	*****	2.080	28	*****	1.23	2						
LAWTON	5063	7	36.3	31	-.5	62.	28	20.	14	890.0	16.0	.0	.0	1.882	31	.82	.70	20						
FORT SILL	5068	7	38.1	31	*****	63.	31	20.	13	834.5	*****	.0	*****	1.677	31	*****	.60	19						
LOOKEBA 2 ENE	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.093	31	1.11	.82	9						
MANGUM RES STA	5509	7	35.4	31	-2.8	64.	31	16.	13	916.5	85.5	.0	.0	2.350	31	1.60	.86	2						
RANDLETT 9 E	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.505	31	*****	.61	20						
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.850	31	.99	.73	20						
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.420	31	*****	.78	2						
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.554	31	.65	.74	20						
VINSON 3 NW	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.623	31	1.14	.60	1						
WALTERS	9278	7	41.0	30	1.4	65.	27	21.	13	719.5	-67.5	.0	.0	1.770	31	.40	.72	9						
WICHITA MT WLR	9629	7	34.3	28	*****	59.	28	16.	14	860.5	*****	.0	*****	2.083	31	.90	.81	20						
WILLOW	9668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.031	31	*****	.65	1						

JANUARY 1993 SUMMARY FOR SOUTH CENTRAL DIVISION (CD8)

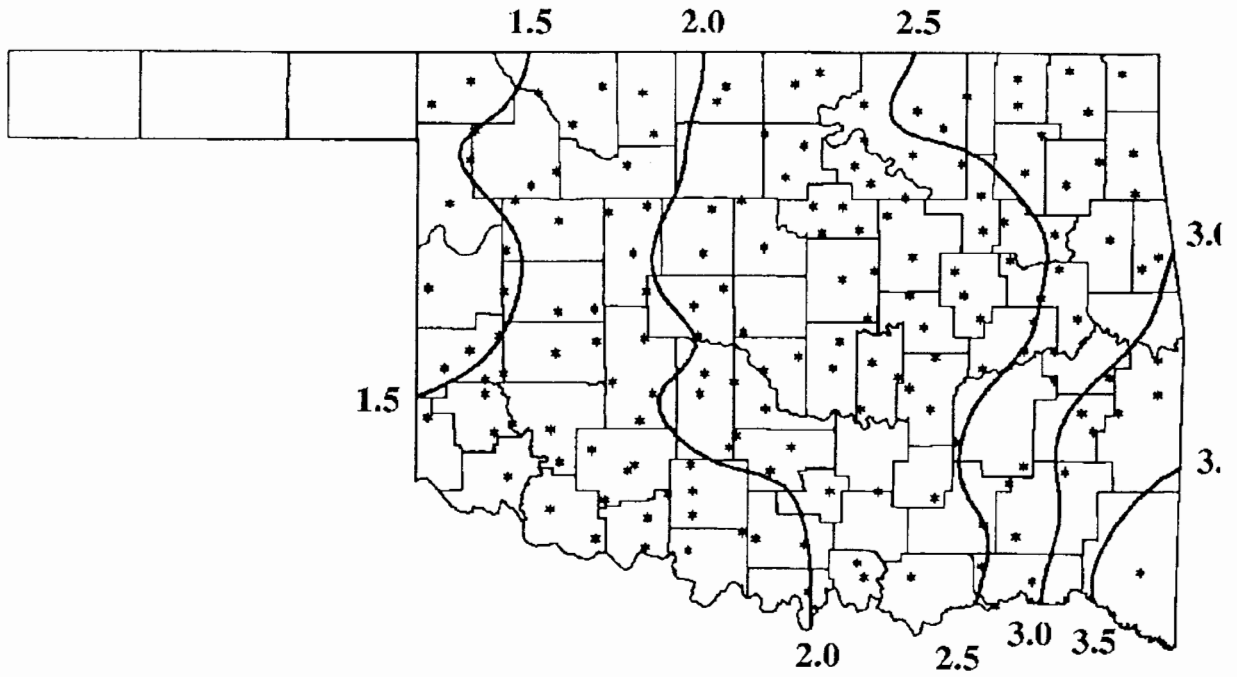
NAME	ID	CD	DEV				HEAT			DEV			COOL			DEV			TOT	NUM	DEV	MAX	24-HR	DAY
			MEAN	NUM	FROM	MAX	DEG	DAY	FROM	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM	DEG						
ADA	17	8	38.3	31	-.7	64.	27	18.	14	829.0	23.0	.0	.0	1.391	31	-.07	.42	9						
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.400	31	*****	.90	20						
ARDMORE	292	8	40.3	29	*****	64.	31	20.	13	716.5	*****	.0	*****	2.591	31	1.13	.50	20						
ATOKA DAM	394	8	39.4	19	*****	66.	28	23.	14	485.5	*****	.0	*****	2.221	19	*****	1.17	20						
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.750	31	*****	1.22	19						
CANEY	1437	8	43.0	30	*****	65.	31	21.	13	659.0	*****	.0	*****	2.260	30	*****	1.30	20						
CENTRAHOMA	1648	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.300	31	*****	1.00	20						
CHICKASAW NRA	1745	8	37.6	31	.9	65.	23	19.	14	849.0	-28.0	.0	.0	2.000	31	.56	.79	20						
COLEMAN	2011	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.050	31	*****	1.23	20						
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.980	31	.75	.80	19						
DAISY 4 ENE	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.973	31	.65	1.16	20						
DUNCAN	2660	8	36.9	31	-.6	63.	28	20.	14	870.0	17.0	.0	.0	2.421	31	1.23	.97	20						
DURANT USDA	2678	8	40.0	31	1.8	65.	28	20.	14	775.5	-55.5	.0	.0	2.230	31	.23	1.24	20						
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.870	31	*****	.75	19						
FARRIS 3 NW	3083	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.660	31	1.54	1.33	20						
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.740	31	*****	.73	20						
HEALDTON	4001	8	40.5	31	1.1	66.	22	19.	13	760.0	-34.0	.0	.0	1.721	31	.31	.65	20						
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.350	31	*****	.73	20						
KETCHUM RANCH	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.250	31	*****	.88	19						
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.310	31	.36	.92	20						
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.859	31	*****	1.20	20						
LINDSAY 2 W	5216	8	38.4	31	.2	64.	27	20.	25	825.0	-6.0	.0	.0	1.976	31	.71	.75	20						
LOCO 6 SE	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.560	31	*****	.73	20						
MADILL	5468	8	41.7	31	1.3	65.	23	21.	13	722.0	-41.0	.0	.0	1.472	31	-.38	.92	19						
MARIETTA	5563	8	42.0	31	1.3	66.	23	20.	13	714.0	-39.0	.0	.0	2.090	31	.65	.76	20						
MARLOW 1 WSW	5581	8	37.6	31	-.8	63.	31	15.	13	850.5	25.5	.0	.0	2.250	31	1.18	.80	20						
MCGEE CREEK DAM	5713	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.382	31	*****	1.27	20						
PAULS VALLEY	6926	8	39.2	31	.4	68.	22	18.	14	800.0	-12.0	.0	.0	1.820	31	.35	.80	20						
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.962	31	.42	.90	18						
TISHOMINGO NWLR	8884	8	40.4	18	*****	64.	27	20.	13	443.5	*****	.0	*****	2.200	19	*****	.98	20						
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.840	31	*****	.83	20						
WAURIKA	9395	8	41.6	31	1.1	67.	27	21.	13	725.5	-34.5	.0	.0	1.100	31	.00	.72	20						
WAURIKA DAM	9399	8	39.8	19	*****	66.	29	22.	13	478.0	*****	.0	*****	1.561	19	*****	.85	20						

**JANUARY 1993 SUMMARY FOR SOUTHEAST DIVISION (CD9)**

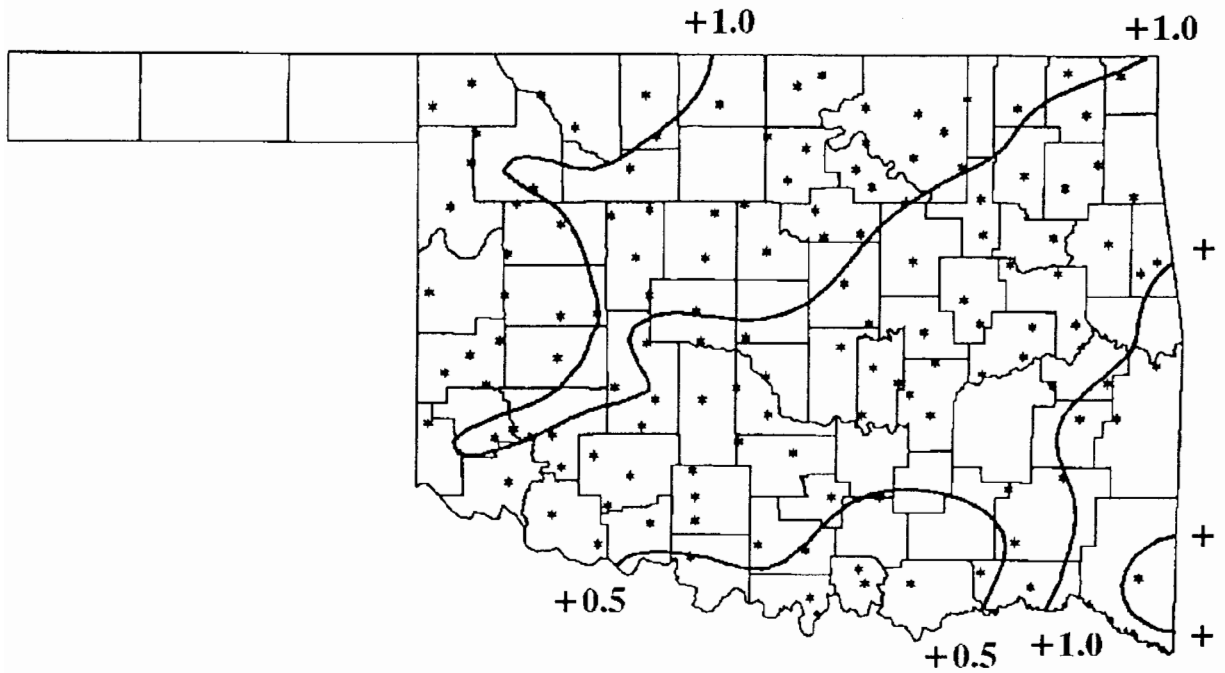
NAME	ID	CD	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			MEAN	NUM	FROM	MAX	MIN	DEG	FROM	DEG	FROM	DEG	FROM	DEG	FROM			MAX	DAY
ANTLERS	256	9	41.5	31	1.3	66.	22	20.	26	729.0	-40.0	.0	.0	1.610	31	-.43	.47	19	
BATTIEST 1 SSW	567	9	38.5	31	*****	62.	31	17.	26	823.0	*****	.0	*****	4.000	31	*****	1.30	4	
BEAR MT TWR	584	9	40.5	31	-1.0	66.	23	23.	13	761.0	32.0	.0	.0	4.151	26	*****	1.57	4	
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.290	31	*****	1.33	20	
BOSWELL 4 NNW	980	9	41.3	31	.9	69.	4	20.	13	734.0	-29.0	.0	.0	2.063	31	.02	.91	20	
BROKEN BOW 1 N	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.050	31	2.49	1.50	4	
BROKEN BOW DAM	1168	9	42.0	29	*****	66.	4	24.	27	666.5	*****	.0	*****	4.392	28	*****	2.18	4	
CARNASAW TWR	1499	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.401	31	2.58	2.81	4	
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.790	31	-.80	.70	20	
FANSHAW	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.460	31	1.28	1.40	20	
HEE MT TWR	4017	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	6.010	31	3.32	2.87	4	
HUGO	4384	9	42.5	30	.6	67.	23	22.	13	676.0	-40.0	.0	.0	3.330	31	1.17	.72	20	
IDABEL	4451	9	40.6	31	.7	68.	24	21.	13	755.5	-22.5	.0	.0	5.273	31	2.55	2.72	4	
POTEAU W W	7254	9	39.7	31	*****	69.	22	17.	27	785.0	*****	.0	*****	3.734	31	*****	1.35	19	
SMITHVILLE 1 W	8285	9	39.7	31	1.0	68.	22	16.	26	785.5	-29.5	.0	.0	6.304	25	*****	3.50	4	
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.900	31	.82	1.33	20	
TUSKAHOMA	9023	9	41.0	31	.7	67.	22	17.	26	742.5	-23.5	.0	.0	3.344	31	1.32	1.20	20	
VALLIANT 3 W	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.442	31	1.13	.97	4	
WILBURTON 9 ENE	9634	9	39.9	31	1.5	68.	22	18.	26	779.0	-46.0	.0	.0	3.570	31	1.33	1.50	19	
ZOE	9985	9	41.3	31	4.8	68.	24	21.	13	734.0	-150.0	.0	.0	5.273	31	2.69	2.72	4	

**JANUARY 1993 CLIMATE DIVISION SUMMARY**

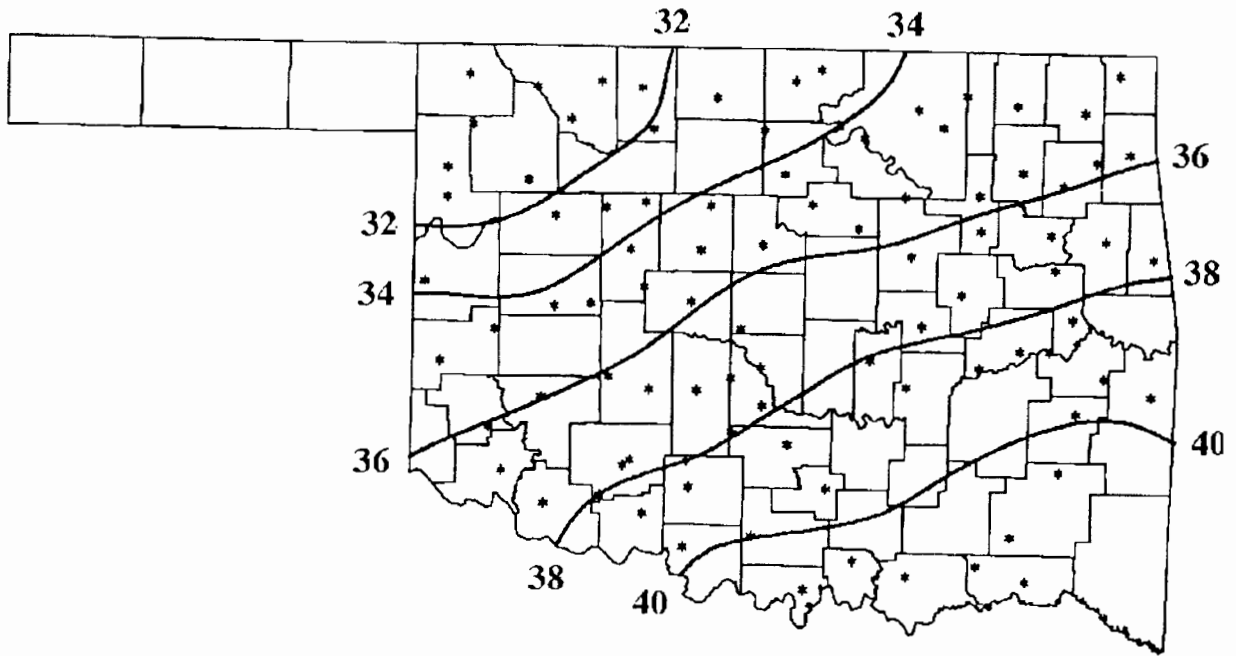
CLIMATE	MEAN	NUM	DEV					HEAT		DEV		COOL		DEV		TOT	NUM	DEV	
			FROM	MAX	MIN	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	DEGREE	FROM	MAX	DAY				
DIV 1	28.7	10	-4.3	69.0	27	-2.0	13	1117.9	125.1	.0	.0	1.22	10	.82	1.10	9			
2	31.7	13	-1.9	69.0	28	2.0	13	1032.1	57.3	.0	.0	1.93	21	1.15	1.08	9			
3	35.5	16	1.1	68.0	29	12.0	18	907.7	-41.8	.0	.0	2.55	29	1.09	1.30	20			
4	34.1	10	-1.3	71.0	31	11.0	13	950.5	34.1	.0	.0	1.44	22	.76	1.21	9			
5	36.6	15	-.1	69.0	28	14.0	1	876.7	-1.9	.0	.0	2.22	36	1.00	1.31	9			
6	38.5	12	1.2	69.0	22	16.0	13	819.7	-39.7	.0	.0	2.77	31	.98	2.00	15			
7	37.2	10	-.4	69.0	31	16.0	14	856.3	8.0	.0	.0	1.80	21	.88	1.23	2			
8	39.7	12	.6	68.0	22	15.0	13	781.6	-21.2	.0	.0	2.08	29	.50	1.33	20			
9	40.6	11	.9	69.0	22	16.0	26	755.0	-29.2	.0	.0	3.74	17	1.30	3.50	4			



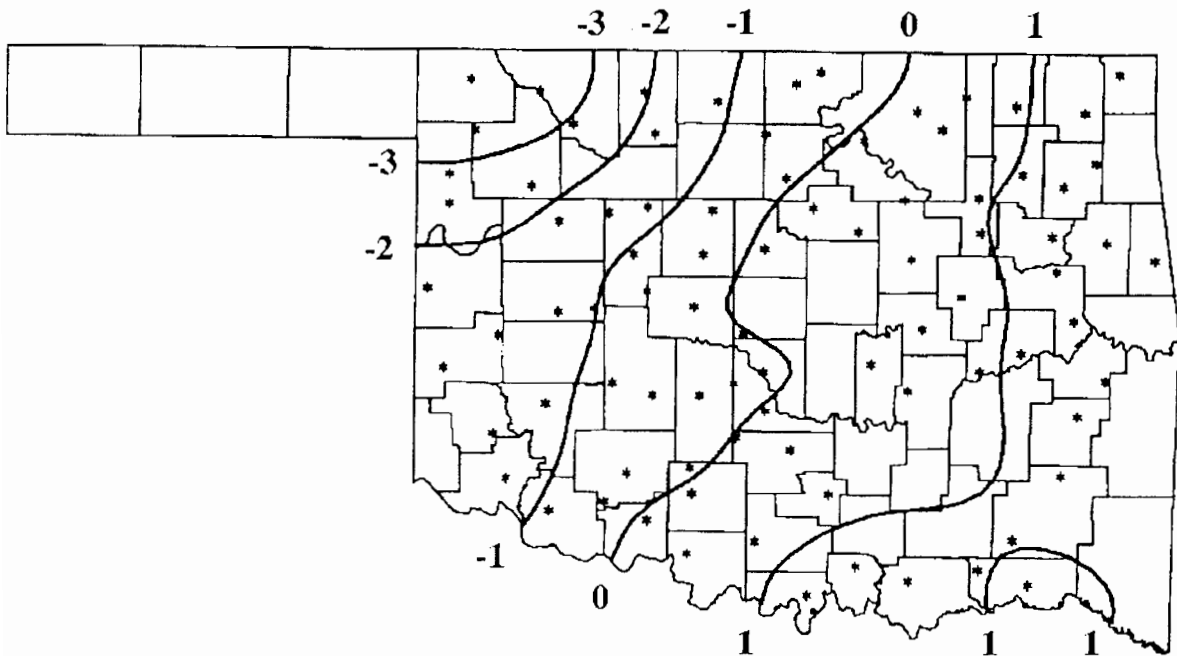
JANUARY 1993 TOTAL PRECIPITATION  
(Inches)



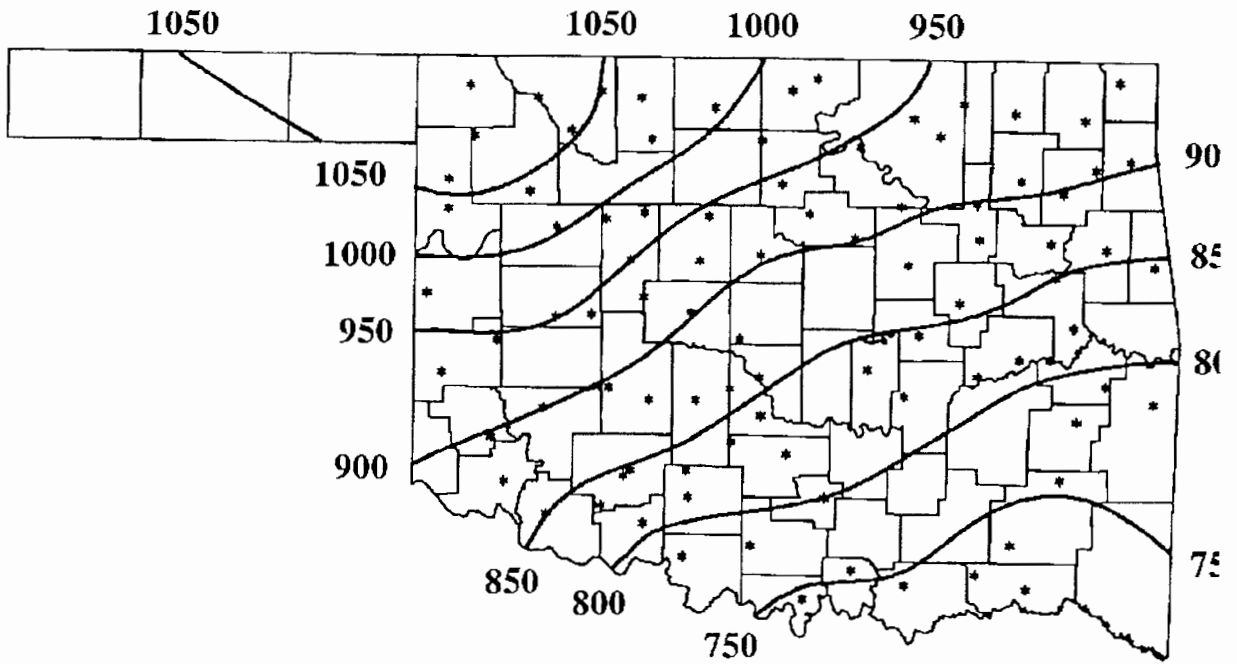
JANUARY 1993 DEVIATION FROM NORMAL PRECIPITATION  
(Inches)



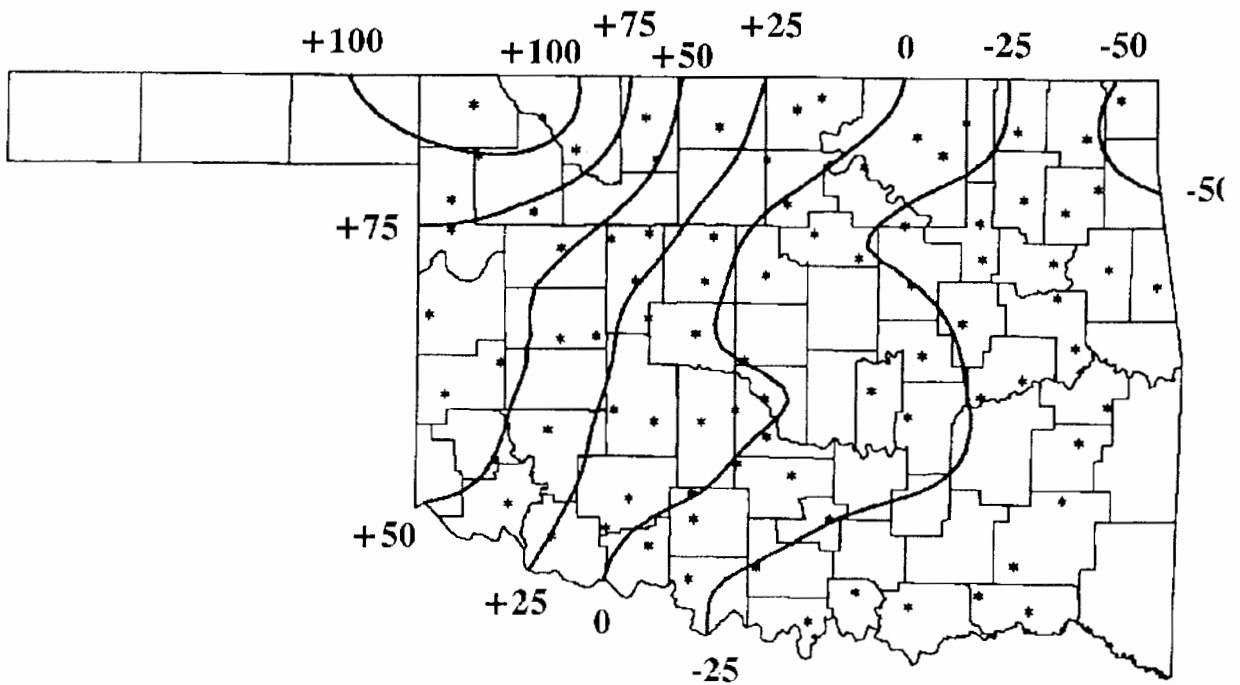
JANUARY 1993 AVERAGE MONTHLY TEMPERATURES  
(Degrees F)



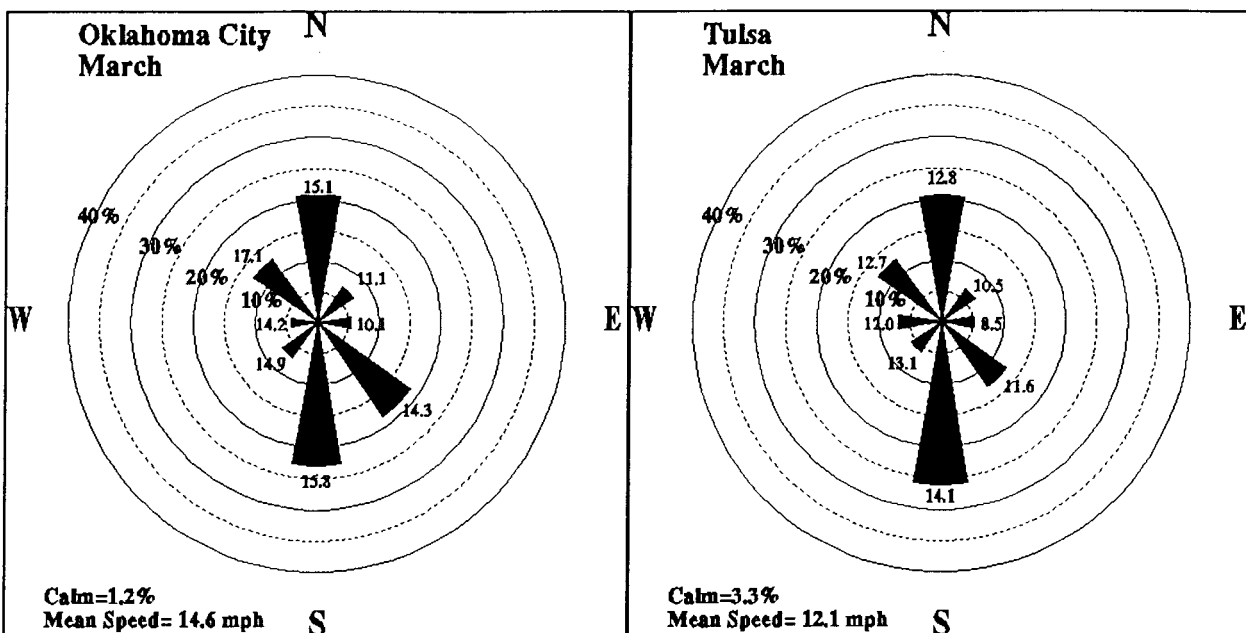
JANUARY 1993 DEVIATION FROM NORMAL TEMPERATURES  
(Degrees F)



JANUARY 1993 HEATING DEGREE DAYS



JANUARY 1993 DEVIATION FROM NORMAL HEATING DEGREE DAYS



March Wind Roses for Oklahoma City and Tulsa. Percents represent the frequency of winds from each direction. The numbers at the ends of the bars indicate the average wind speed (miles per hour) from that direction.

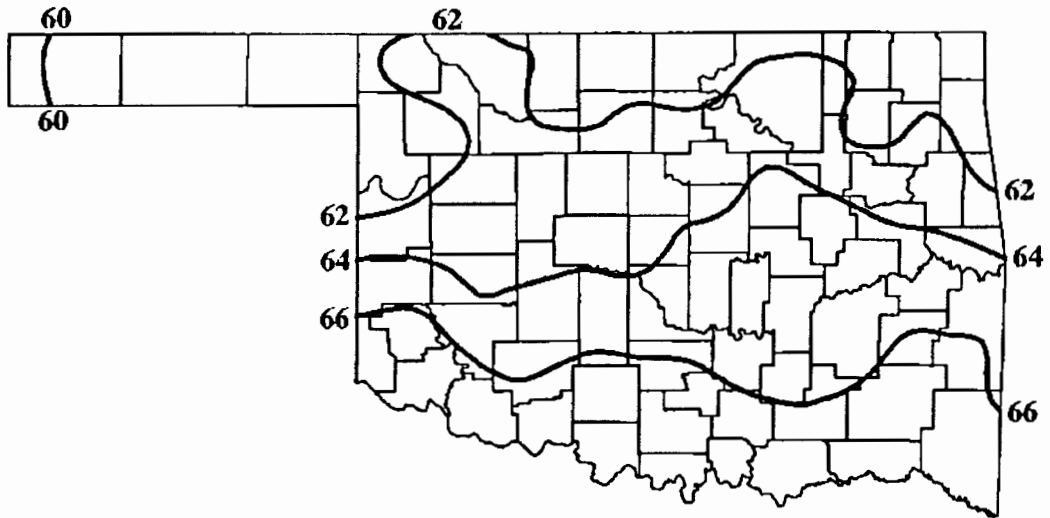
MARCH 1993 SUNRISE AND SUNSET

OKLAHOMA CITY

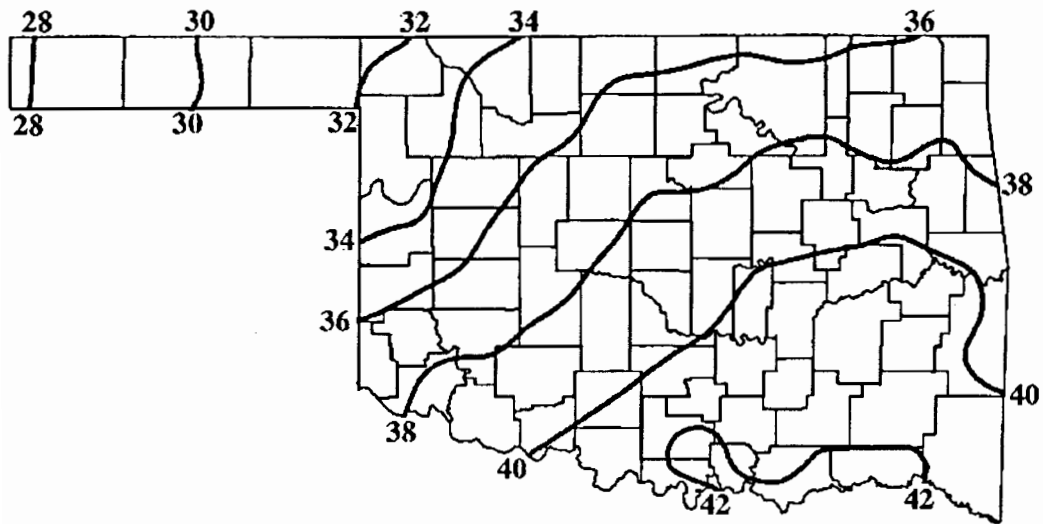
DATE	SUNRISE	SUNSET	DAYLIGHT
93 3 1	7: 2AM	6:25PM cst	11 hrs 23 mins
93 3 2	7: 0AM	6:26PM cst	11 hrs 25 mins
93 3 3	6:59AM	6:26PM cst	11 hrs 27 mins
93 3 4	6:58AM	6:27PM cst	11 hrs 29 mins
93 3 5	6:57AM	6:28PM cst	11 hrs 32 mins
93 3 6	6:55AM	6:29PM cst	11 hrs 34 mins
93 3 7	6:54AM	6:30PM cst	11 hrs 36 mins
93 3 8	6:53AM	6:31PM cst	11 hrs 38 mins
93 3 9	6:51AM	6:32PM cst	11 hrs 41 mins
93 3 10	6:50AM	6:33PM cst	11 hrs 43 mins
93 3 11	6:48AM	6:33PM cst	11 hrs 45 mins
93 3 12	6:47AM	6:34PM cst	11 hrs 47 mins
93 3 13	6:46AM	6:35PM cst	11 hrs 49 mins
93 3 14	6:44AM	6:36PM cst	11 hrs 52 mins
93 3 15	6:43AM	6:37PM cst	11 hrs 54 mins
93 3 16	6:41AM	6:38PM cst	11 hrs 56 mins
93 3 17	6:40AM	6:38PM cst	11 hrs 58 mins
93 3 18	6:39AM	6:39PM cst	12 hrs 1 mins
93 3 19	6:37AM	6:40PM cst	12 hrs 3 mins
93 3 20	6:36AM	6:41PM cst	12 hrs 5 mins
93 3 21	6:34AM	6:42PM cst	12 hrs 7 mins
93 3 22	6:33AM	6:43PM cst	12 hrs 10 mins
93 3 23	6:31AM	6:43PM cst	12 hrs 12 mins
93 3 24	6:30AM	6:44PM cst	12 hrs 14 mins
93 3 25	6:29AM	6:45PM cst	12 hrs 16 mins
93 3 26	6:27AM	6:46PM cst	12 hrs 19 mins
93 3 27	6:26AM	6:47PM cst	12 hrs 21 mins
93 3 28	6:24AM	6:47PM cst	12 hrs 23 mins
93 3 29	6:23AM	6:48PM cst	12 hrs 25 mins
93 3 30	6:21AM	6:49PM cst	12 hrs 28 mins
93 3 31	6:20AM	6:50PM cst	12 hrs 30 mins

TULSA

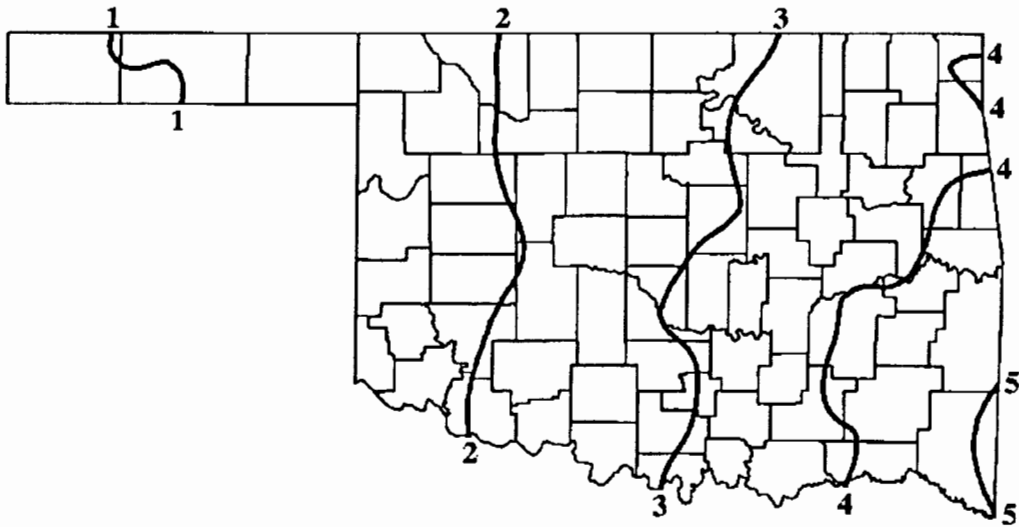
DATE	SUNRISE	SUNSET	DAYLIGHT
93 3 1	6:56AM	6:17PM cst	11 hrs 22 mins
93 3 2	6:54AM	6:18PM cst	11 hrs 24 mins
93 3 3	6:53AM	6:19PM cst	11 hrs 26 mins
93 3 4	6:52AM	6:20PM cst	11 hrs 28 mins
93 3 5	6:50AM	6:21PM cst	11 hrs 31 mins
93 3 6	6:49AM	6:22PM cst	11 hrs 33 mins
93 3 7	6:48AM	6:23PM cst	11 hrs 35 mins
93 3 8	6:46AM	6:24PM cst	11 hrs 38 mins
93 3 9	6:45AM	6:25PM cst	11 hrs 40 mins
93 3 10	6:43AM	6:25PM cst	11 hrs 42 mins
93 3 11	6:42AM	6:26PM cst	11 hrs 44 mins
93 3 12	6:41AM	6:27PM cst	11 hrs 47 mins
93 3 13	6:39AM	6:28PM cst	11 hrs 49 mins
93 3 14	6:38AM	6:29PM cst	11 hrs 51 mins
93 3 15	6:36AM	6:30PM cst	11 hrs 54 mins
93 3 16	6:35AM	6:31PM cst	11 hrs 56 mins
93 3 17	6:33AM	6:32PM cst	11 hrs 58 mins
93 3 18	6:32AM	6:32PM cst	12 hrs 1 mins
93 3 19	6:30AM	6:33PM cst	12 hrs 3 mins
93 3 20	6:29AM	6:34PM cst	12 hrs 5 mins
93 3 21	6:28AM	6:35PM cst	12 hrs 7 mins
93 3 22	6:26AM	6:36PM cst	12 hrs 10 mins
93 3 23	6:25AM	6:37PM cst	12 hrs 12 mins
93 3 24	6:23AM	6:38PM cst	12 hrs 14 mins
93 3 25	6:22AM	6:38PM cst	12 hrs 17 mins
93 3 26	6:20AM	6:39PM cst	12 hrs 19 mins
93 3 27	6:19AM	6:40PM cst	12 hrs 21 mins
93 3 28	6:17AM	6:41PM cst	12 hrs 24 mins
93 3 29	6:16AM	6:42PM cst	12 hrs 26 mins
93 3 30	6:14AM	6:43PM cst	12 hrs 28 mins
93 3 31	6:13AM	6:43PM cst	12 hrs 31 mins



March Normal Daily Maximum Temperatures (°F)



March Normal Daily Minimum Temperatures (°F)



March Normal Monthly Precipitation (inches)

90-DAY NATIONAL WEATHER SERVICE OUTLOOK

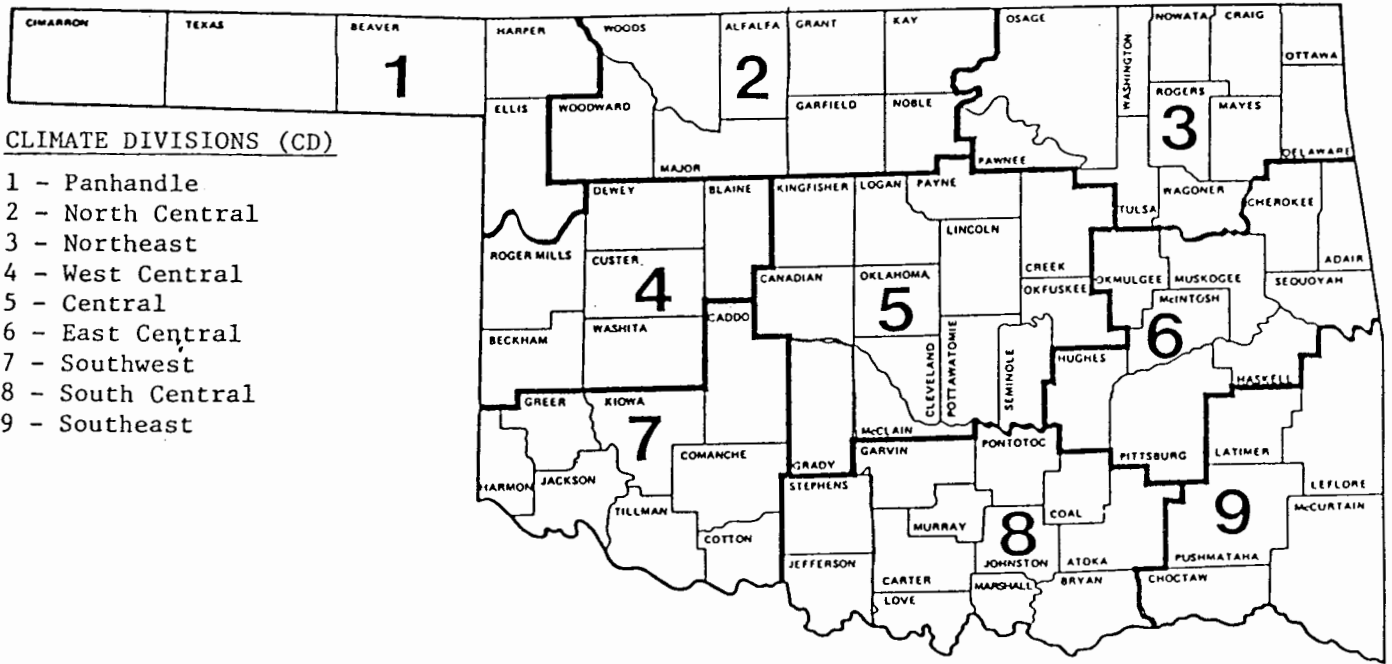
(FEBRUARY 1993 - APRIL 1993)

Precipitation - Near Normal Panhandle  
Above Normal Elsewhere

Temperature - Near Normal Northeast  
Below Normal Elsewhere



O K L A H O M A



**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.

OKLAHOMA CITY CLIMATE CALENDAR

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).

March 1993

Normal 1	Actual	Normal 2	Actual	Normal 3	Actual	Normal 4	Actual	Normal 5	Actual	Normal 6	Actual	Normal 7	Actual
58.6 max 33.5 min .10 ppt 19 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1976 20-1980 4-1913 56-1940 1.71-1948	58.5 max 34.0 min .06 ppt 21 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1938 18-1960 8-1960 60-1938 .57-1933	55.1 max 33.0 min .03 ppt 21 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	91-1991 24-1920 10-1960 59-1921 2.13-1994	58.5 max 34.0 min .06 ppt 19 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	83-1974 21-1943 8-1943 58-1911 1.45-1973	57.2 max 35.0 min .11 ppt 19 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1911 26-1932 9-1967 60-1897 1.38-1974	59.9 max 36.7 min .02 ppt 17 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1967 34-1924 14-1950 66-1918 1.39-1922	62.5 max 36.7 min .07 ppt 16 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1938 26-1895 13-1895 56-1955 1.04-1990
59.4 max 37.7 min .02 ppt 16 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	84-1943 28-1892 13-1895 58-1919 2.34-1944	60.3 max 36.8 min .05 ppt 17 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	89-1911 28-1932 11-1932 61-1986 .88-1913	59.6 max 38.4 min .13 ppt 16 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	93-1967 16-1948 1-1948 61-1911 2.16-1902	61.9 max 38.4 min .19 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	92-1907 33-1913 12-1965 64-1935 2.18-1985	61.6 max 38.9 min .07 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	97-1907 26-1965 10-1923 63-1921 1.73-1903	61.9 max 38.4 min .19 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	92-1907 33-1913 12-1965 64-1935 2.18-1985	60.3 max 36.7 min .04 ppt 17 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1916 29-1955 16-1913 64-1907 1.23-1921
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 22	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 27	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 28	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 31	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 30	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 29	Actual
64.4 max 37.8 min .08 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	86-1951 33-1913 13-1955 63-1907 1.37-1979	63.3 max 38.7 min .19 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1929 36-1974 20-1898 64-1907 2.35-1984	61.0 max 39.5 min .10 ppt 15 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1976 33-1964 18-1955 64-1907 1.65-1922	63.1 max 40.4 min .06 ppt 14 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	85-1972 33-1937 13-1955 67-1907 2.02-1938	65.2 max 41.3 min .10 ppt 12 hdd 0 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	90-1895 32-1899 13-1913 68-1907 2.09-1912	66.2 max 43.5 min .13 ppt 11 hdd 1 cdd Highest Max Lowest Max Lowest Min Highest Min Greatest ppt	88-1928 36-1931 16-1931 62-1985 2.84-1988	Normal 29	Actual

MARCH AVERAGES

TEMPERATURE : 49.4°F  
 PRECIPITATION : 2.52"  
 HEATING DEGREE DAYS : 492  
 COOLING DEGREE DAYS : 3

**TULSA CLIMATE CALENDAR**

The data on this calendar are for Tulsa. Normal values are calculated for the period 1948-1992. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1992.

**March 1993**

Normal	1	Actual	Normal	2	Actual	Normal	3	Actual	Normal	4	Actual	Normal	5	Actual	Normal	6	Actual	Normal	7	Actual			
58.0	max	81-1967	58.0	max	84-1976	58.0	max	82-1955	56.0	max	89-1998	56.0	max	88-1991	59.0	max	87-1956	56.0	max	83-1925			
34.0	min	26-1960	36.0	min	26-1960	35.0	min	25-1960	33.0	min	18-1960	34.0	min	20-1960	37.0	min	33-1960	34.0	min	33-1957			
1.0	ppt	9-1962	0.6	ppt	7-1943	1.4	ppt	3-1943	0.16	ppt	6-1960	0.03	ppt	5-1960	0.07	ppt	13-1943	0.03	ppt	6-1920			
1.9	hdd	53-1974	18	hdd	59-1970	18	hdd	64-1974	20	hdd	57-1983	20	hdd	60-1956	18	hdd	52-1990	19	hdd	66-1974			
0	cdd	1.63-1973	0	cdd	2.06-1988	0	cdd	1.45-1953	0	cdd	1.37-1963	0	cdd	.75-1989	0	cdd	1.57-1973	0	cdd	57-1978			
	Highest Max		Highest Max			Highest Max			Highest Max			Highest Max			Highest Max			Highest Max					
	Lowest Max		Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max					
	Lowest Min		Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min					
	Highest Min		Highest Min			Highest Min			Highest Min			Highest Min			Highest Min			Highest Min					
	Greatest ppt		Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt					
Normal	8	Actual	Normal	9	Actual	Normal	10	Actual	Normal	11	Actual	Normal	12	Actual	Normal	13	Actual	Normal	14	Actual			
57.0	max	87-1925	59.0	max	88-1911	59.0	max	91-1955	59.0	max	94-1967	58.0	max	91-1967	59.0	max	92-1967	61.0	max	85-1977			
35.0	min	33-1960	36.0	min	35-1964	37.0	min	29-1948	39.0	min	17-1948	37.0	min	29-1950	37.0	min	33-1975	37.0	min	40-1969			
1.0	ppt	5-1967	0.8	ppt	12-1932	1.6	ppt	4-1948	0.17	ppt	1-1948	0.07	ppt	3-1948	0.05	ppt	12-1948	0.07	ppt	13-1974			
1.9	hdd	63-1974	17	hdd	63-1990	17	hdd	60-1955	17	hdd	62-1967	17	hdd	63-1967	17	hdd	62-1990	16	hdd	54-1955			
0	cdd	1.53-1958	0	cdd	.99-1964	0	cdd	1.91-1974	0	cdd	1.97-1990	1	cdd	.67-1958	0	cdd	.90-1953	0	cdd	2.09-1990			
	Highest Max		Highest Max			Highest Max			Highest Max			Highest Max			Highest Max			Highest Max					
	Lowest Max		Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max					
	Lowest Min		Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min					
	Highest Min		Highest Min			Highest Min			Highest Min			Highest Min			Highest Min			Highest Min					
	Greatest ppt		Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt					
Normal	15	Actual	Normal	16	Actual	Normal	17	Actual	Normal	18	Actual	Normal	19	Actual	Normal	20	Actual	Normal	21	Actual			
60.0	max	84-1921	62.0	max	86-1908	63.0	max	88-1916	63.0	max	98-1907	62.0	max	96-1907	61.0	max	92-1907	60.0	max	98-1916			
38.0	min	38-1960	38.0	min	35-1960	39.0	min	34-1970	41.0	min	30-1965	40.0	min	30-1965	40.0	min	39-1993	38.0	min	39-1974			
0.03	ppt	21-1970	0.6	ppt	22-1962	1.4	ppt	20-1906	0.09	ppt	12-1923	0.09	ppt	8-1923	0.18	ppt	11-1965	0.08	ppt	18-1974			
16	hdd	57-1983	15	hdd	58-1982	14	hdd	55-1977	13	hdd	61-1979	14	hdd	58-1982	15	hdd	60-1991	16	hdd	63-1966			
0	cdd	.92-1981	0	cdd	1.03-1970	0	cdd	1.45-1977	0	cdd	1.24-1979	0	cdd	1.15-1968	0	cdd	1.61-1962	0	cdd	.95-1956			
	Highest Max		Highest Max			Highest Max			Highest Max			Highest Max			Highest Max			Highest Max					
	Lowest Max		Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max					
	Lowest Min		Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min					
	Highest Min		Highest Min			Highest Min			Highest Min			Highest Min			Highest Min			Highest Min					
	Greatest ppt		Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt					
Normal	22	Actual	Normal	23	Actual	Normal	24	Actual	Normal	25	Actual	Normal	26	Actual	Normal	27	Actual	Normal	28	Actual			
63.0	max	91-1907	64.0	max	91-1907	61.0	max	91-1929	60.0	max	88-1910	64.0	max	87-1918	66.0	max	88-1956	68.0	max	90-1963			
38.0	min	40-1952	40.0	min	39-1974	41.0	min	30-1965	41.0	min	28-1965	41.0	min	34-1965	42.0	min	41-1948	44.0	min	46-1970			
0.05	ppt	15-1955	0.28	ppt	21-1968	1.2	ppt	19-1966	0.11	ppt	18-1955	0.08	ppt	14-1955	0.08	ppt	13-1913	0.09	ppt	17-1931			
14	hdd	57-1991	13	hdd	59-1988	14	hdd	60-1967	14	hdd	58-1967	13	hdd	70-1991	11	hdd	59-1985	10	hdd	69-1985			
0	cdd	1.08-1948	0	cdd	2.50-1969	0	cdd	1.98-1973	0	cdd	.79-1967	0	cdd	1.07-1977	0	cdd	1.86-1975	1	hdd	1.65-1988			
	Highest Max		Highest Max			Highest Max			Highest Max			Highest Max			Highest Max			Highest Max					
	Lowest Max		Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max			Lowest Max					
	Lowest Min		Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min			Lowest Min					
	Highest Min		Highest Min			Highest Min			Highest Min			Highest Min			Highest Min			Highest Min					
	Greatest ppt		Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt			Greatest ppt					
<b>MARCH AVERAGES</b>																							
Normal	29	Actual	Normal	30	Actual	Normal	31	Actual													TEMPERATURE	:	49.7°F
65.0	max	90-1967	65.0	max	86-1981	68.0	max	96-1974													PRECIPITATION	:	3.06"
43.0	min	34-1987	43.0	min	36-1954	44.0	min	46-1994													HEATING DEGREE DAYS	:	477
0.08	ppt	24-1944	1.2	ppt	21-1964	1.0	ppt	62-1967													COOLING DEGREE DAYS	:	6
11	hdd	67-1963	12	hdd	65-1957	10	hdd	1.78-1973															
1	cdd	1.19-1985	1	cdd	1.78-1973	1	cdd	1.21-1957															