OKLAHOMA MONTHLY CLIMATE SUMMARY
JULY 2001

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Oklahoma Climatological Survey

MONTHLY SUMMARY FOR JUNE 2001

July 2001

Statewide average temperature = 86.1º F
Statewide average rainfall = 0.87 inches

July 2001 was a hot, dry month in Oklahoma. The general lack of rain - this was the second dry month in a row - combined with extreme heat to create a serious potential for wildfire that led to a burning ban over much of the state. According to preliminary National Weather Service data, the statewide-averaged mean daily temperature during July was 86.1 degrees, 4.0 degrees higher than normal, which ranks this as the 6th warmest July in Oklahoma since record keeping began in 1892. Monthly precipitation, when averaged across the state was a paltry 0.87 inch, 1.75 inches less than normal and the 8th lowest statewide-averaged precipitation in the same 110-year period.

The June-July dry period produced a two-month, statewide-averaged temperature of 81.6 degrees, 2.0 degrees greater than normal and the 18th greatest temperature for that period on record. The two-month precipitation, when averaged across the state, was 3.16 inches, which is 3.41 inches less than normal. This was the 5th lowest June-July precipitation total on record for the state. The four years with a lesser June-July precipitation (1914, 1934, 1936, and 1954) all lie within periods of extended drought. Total precipitation through the first seven months of the year (19.89 inches) is only 0.44 inch less than normal, ranking as the 51st lowest on record. The year-to-date statewide temperature through the end of July was 60.0 degrees, 0.3 degree greater than normal and 44th greatest on record among comparable periods.

July Normals

Statewide average temperature = 82.1º F
Statewide average rainfall = 2.62 inches

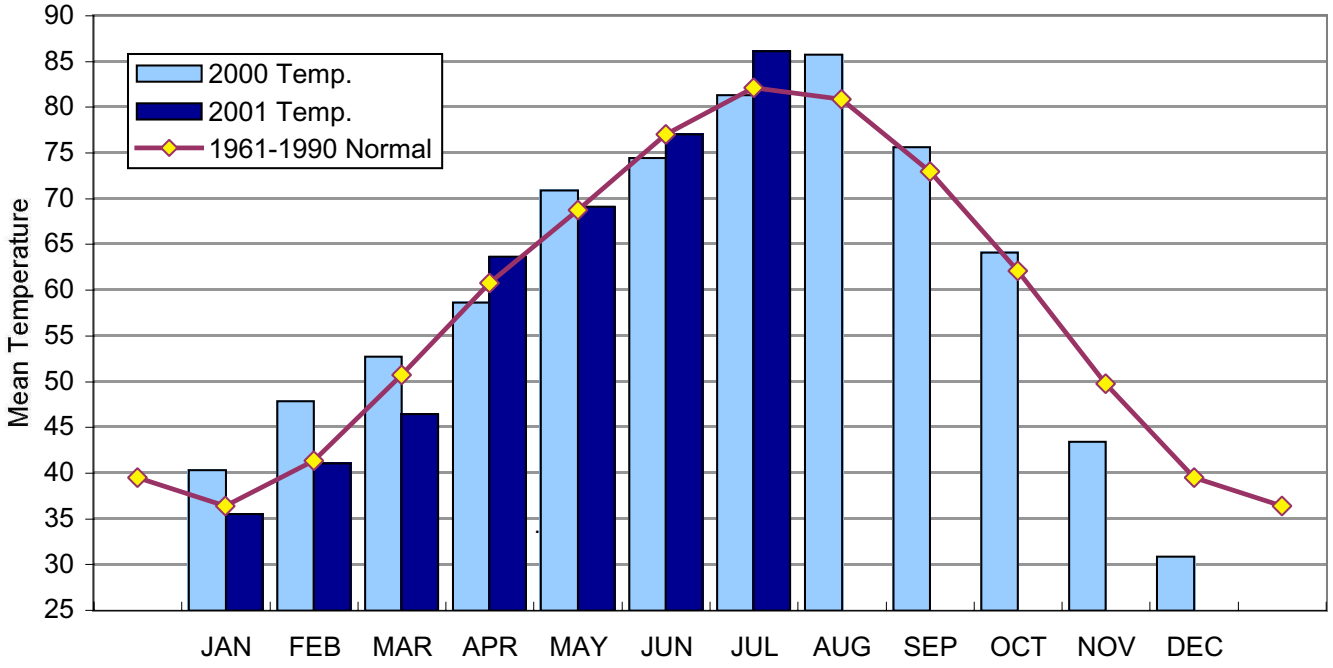
Heat represented the most severe weather condition during the month. By month's end the summer's heat-related death toll had reached seven, as the unrelenting heat, especially evident in western Oklahoma, was accompanied by typical mid-summer humidity. Lahoma Research Station (Major) reported a daily maximum temperature of 112 degrees on the 10th, topping all other temperature reports during the month. Showers brought a refreshing respite to a few areas in mid-month, with the Wilburton Mesonet site (Latimer) recording 1.72 inches of rain on the 14th and Hanna (McIntosh) matching that with its report on the 15th. More substantial rainfalls occurred later in the month, mostly in the eastern half of the state. Notable accumulations included 3.50 inches at Pawhuska (Osage), 3.25 inches at Chandler (Lincoln), and 2.82 inches at Tecumseh (Pottawatomie), all reported on the 29th, and 3.18 inches at Carnasaw Tower (McCurtain) reported on the 26th. The Vinita Mesonet site (Craig) recorded 2.74 inches of rain on the 28th.

(Continued on page 3.)

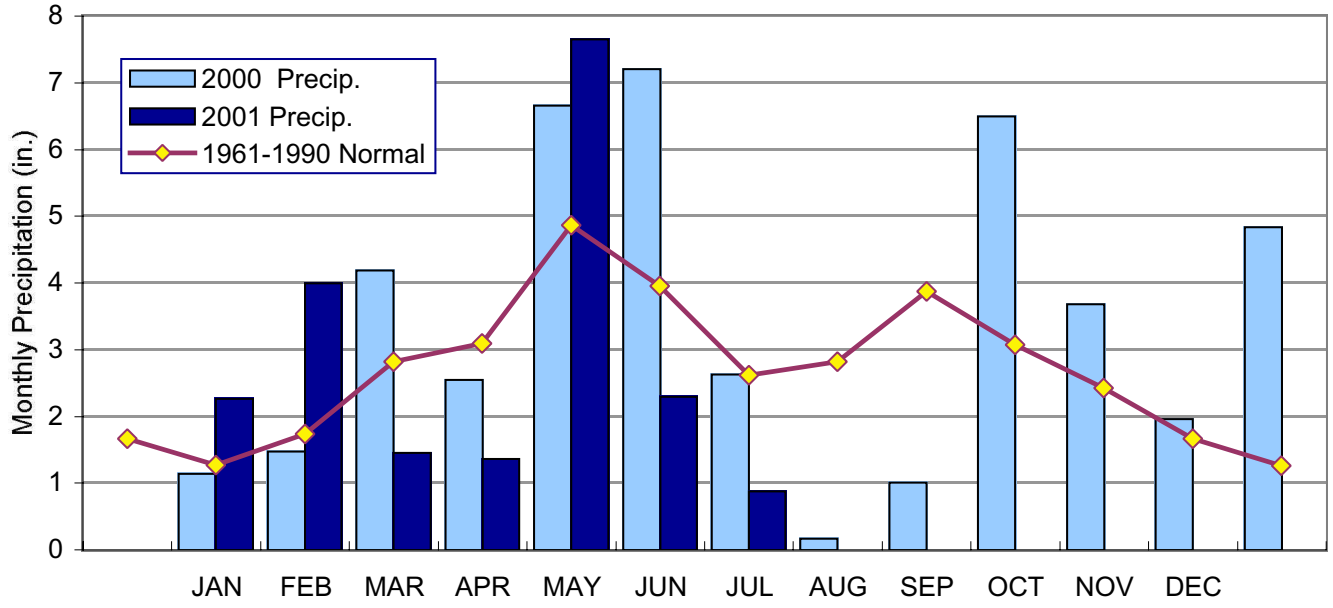
Thunderstorms that engendered reports of excessive winds or large hail were reported on the 12th (Logan County), 14th (Cimarron), 16th and early AM of the 17th (Beckham, Caddo, Greer, and Texas counties), 24th (Delaware), 28th (Craig, Jackson, Nowata, Payne), and 30th (Haskell). The greatest wind speed reported by Mesonet stations was 62 miles per hour, recorded at Erick (Beckham) on the 16th and Hooker (Texas) on the 17th.

Howard L. Johnson
Associate State Climatologist

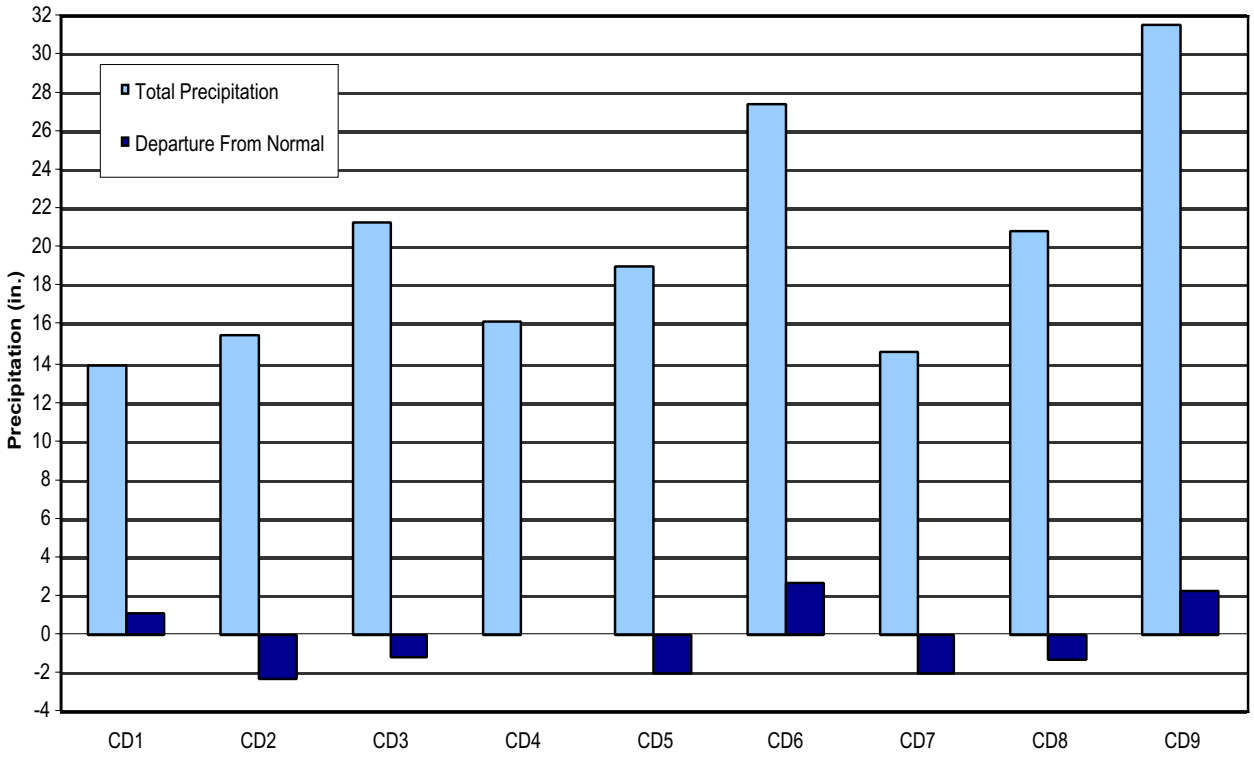
2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



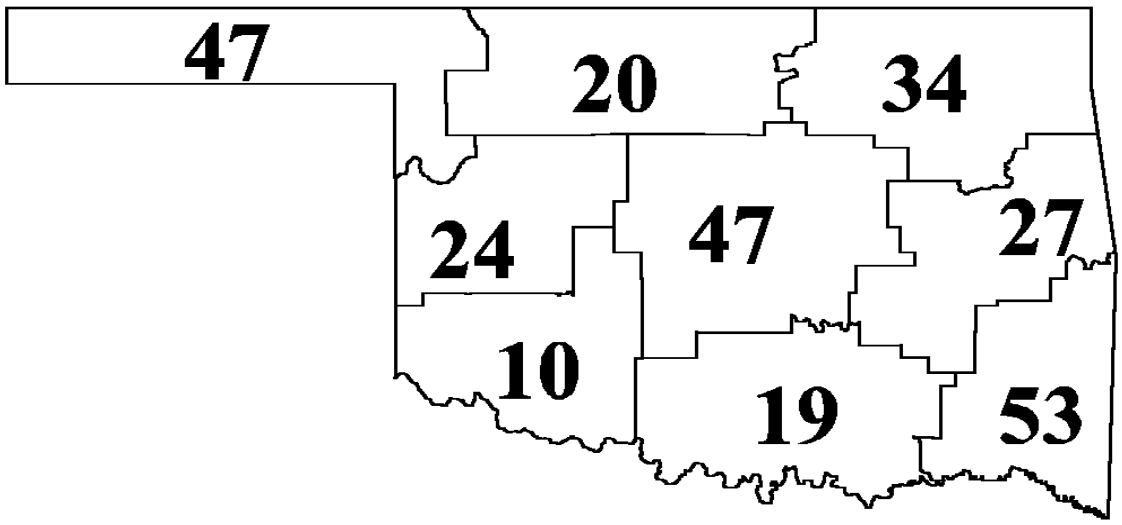
2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



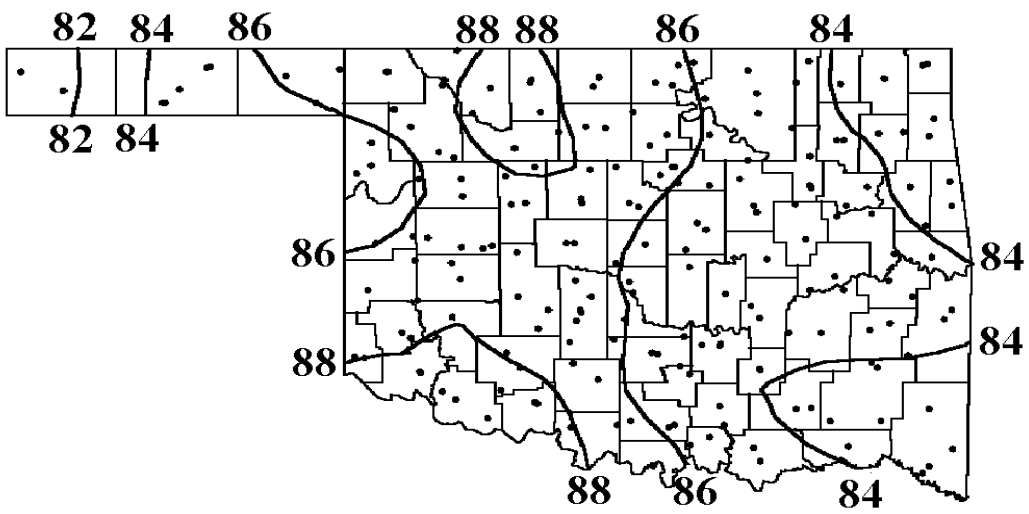
CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH JULY 2001



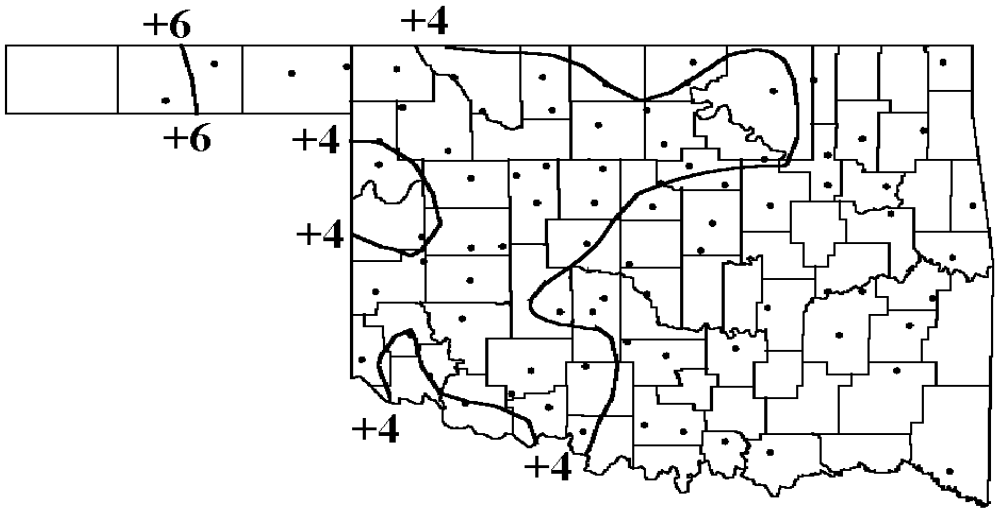
CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - JULY 2001



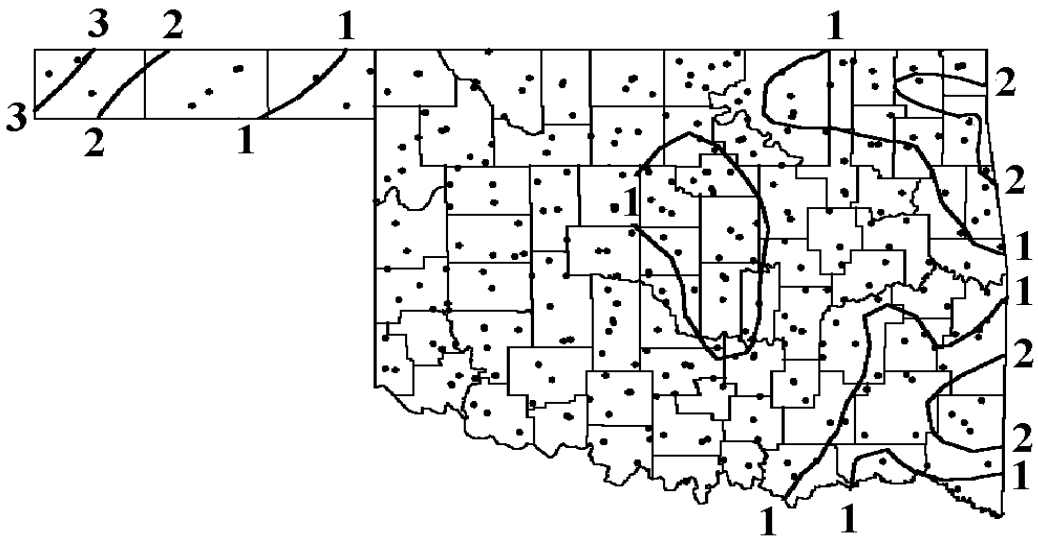
JULY 2001 AVERAGE MONTHLY TEMPERATURE (ºF)



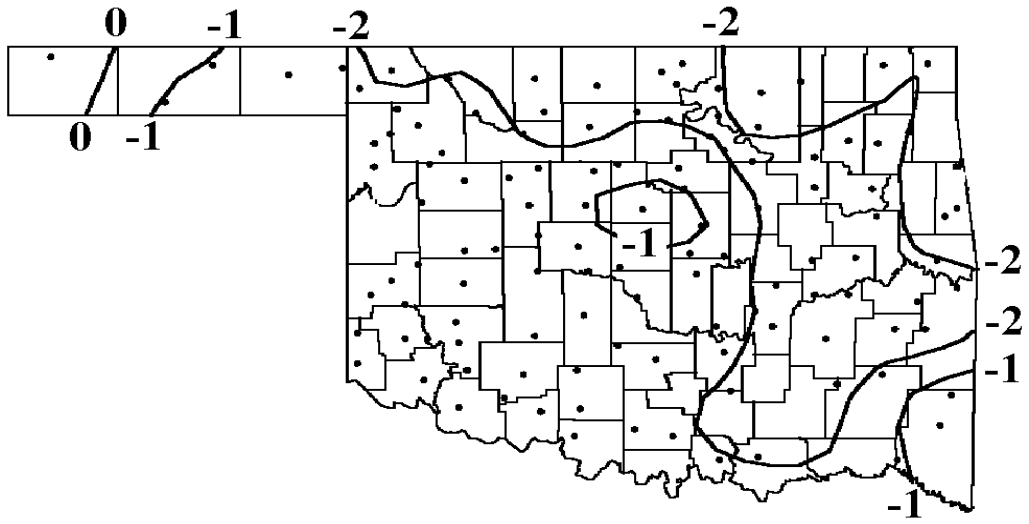
JULY 2001 DEPARTURE FROM NORMAL TEMPERATURE (ºF)



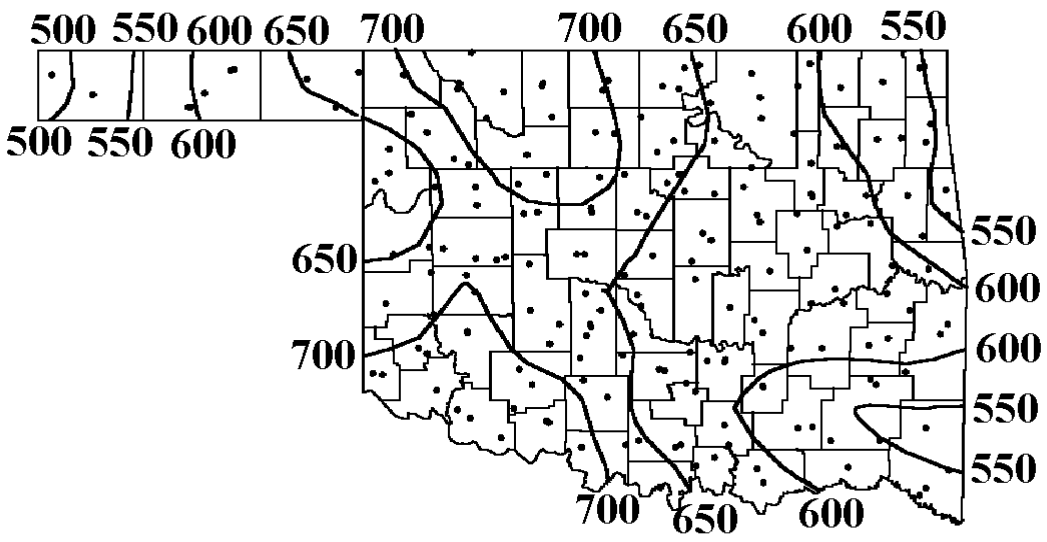
JULY 2001 TOTAL PRECIPITATION (INCHES)



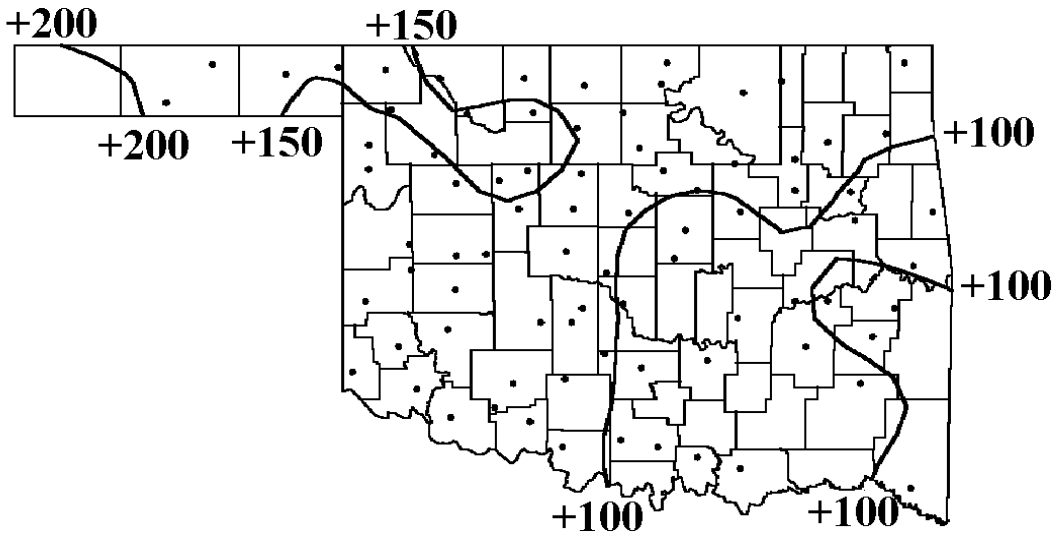
JULY 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



JULY 2001 ACCUMULATED COOLING DEGREE DAYS (ºF)



JULY 2001 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (ºF)



JULY 2001 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ARNETT	332	1	83.0	31	2.6	104	13	64	3	0	0	559	82	1.330	31	-0.56	0.78	15
BEAVER	593	1	86.0	31	5.3	109	23	65	15	0	0	652	165	1.190	31	-1.67	0.65	15
BUFFALO	1243	1	89.6	31	6.4	111	23	65	3	0	0	763	199	0.400	31	-2.59	0.20	14
FARGO	3070	1	*****	0 *	****	****	0	****	0	******	******	******	******	1.280	31	-0.76	1.00	16
GAGE	3407	1	85.5	31	3.6	106	12	62	3	0	0	634	110	0.004	31	-1.87	0.00	29
GATE	3489	1	86.6	30	4.8	107	24	66	1	0	0	648	127	0.823	31	-1.61	0.29	28
GOODWELL	3628	1	85.2	31	6.7	108	28	63	2	0	0	626	207	1.041	31	-1.48	0.54	15
GUYMON	3835	1	84.5	31 *	****	106	12	64	4	0	******	604	******	0.830	31	*****	0.60	14
HOOKER	4298	1	85.5	31	5.5	107	29	65	15	0	0	634	169	1.413	31	-0.88	0.85	14
LAVERNE	5045	1	*****	0 *	****	****	0	****	0	******	******	******	******	0.552	31	-1.98	0.21	28
REGNIER	7534	1	*****	0 *	****	****	0	****	0	******	******	******	******	3.520	31	1.18	0.89	26
TURPIN	9017	1	86.9	20 *	****	107	24	65	6	0	******	439	******	1.590	20	*****	0.75	16

JULY 2001 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALVA	193	2	88.6	28 *	****	110	13	67	2	0	******	661	******	0.280	31	*****	0.15	16
VANCE AFB	302	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.230	31	*****	0.12	30
BILLINGS	755	2	86.6	31	3.3	105	23	68	15	0	0	671	104	1.450	31	-1.68	1.30	29
BLACKWELL 2E	818	2	87.0	19 *	****	106	23	69	16	0	******	418	******	0.141	31	-3.00	0.06	16
BRAMAN	1075	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.450	31	*****	0.45	29
CEDARDALE	1620	2	*****	0 *	****	****	0	****	0	******	******	******	******	1.170	31	*****	1.05	16
CHEROKEE	1724	2	88.3	31	4.2	109	23	60	3	0	0	722	130	0.000	31	-2.74	0.00	31
ENID	2912	2	88.5	31	5.2	108	23	69	16	0	0	730	163	0.211	31	-2.55	0.10	16
FT SUPPLY	3304	2	86.3	31	5.6	106	29	62	1	0	0	659	172	0.560	31	-1.63	0.33	15
FREEDOM	3358	2	86.2	31	3.2	107	24	62	1	0	0	658	100	0.570	31	-1.79	0.20	26
GREAT SALT P	3740	2	89.1	29 *	****	110	23	67	4	0	******	698	******	1.101	29	*****	1.10	27
HARDY	3909	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.451	31	*****	0.40	16
HELENA	4019	2	87.6	31	5.7	108	24	66	2	0	0	700	176	0.100	31	-2.52	0.09	16
JEFFERSON	4573	2	87.3	31	3.8	108	23	63	2	0	0	692	118	0.440	31	-2.89	0.26	16
LAHOMA	4950	2	88.0	28 *	****	112	10	63	4	0	******	644	******	0.180	28	*****	0.12	29
LAMONT	5013	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.900	31	*****	0.65	27
MEDFORD	5768	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.740	31	*****	0.57	16
MORRISON	6065	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.550	31	*****	0.52	29
MUTUAL	6139	2	87.0	31	5.2	108	30	65	2	0	0	682	161	0.630	31	-1.72	0.40	16
NEWKIRK	6278	2	86.0	31	3.5	105	24	63	31	0	0	650	107	0.380	31	-2.90	0.20	29
ORIENTA	6751	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.421	31	-2.18	0.34	16
PERRY	7012	2	88.1	30	5.4	106	13	69	1	0	0	693	144	1.670	30	*****	1.58	29
PONCA CITY	7201	2	86.8	31	4.3	105	23	66	2	0	0	675	132	0.251	31	-3.45	0.09	29
RED ROCK	7505	2	*****	0 *	****	****	0	****	0	******	******	******	******	1.201	31	-1.69	1.20	28
WAYNOKA	9404	2	88.5	31	5.3	109	23	66	2	0	0	727	163	1.170	31	-1.26	0.93	16
WOODWARD	9760	2	*****	0 *	****	****	0	****	0	******	******	******	******	0.720	31	-1.87	0.49	17

JULY 2001 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
BARNSDALL	535	3	85.4	26 *	****	104	23	66	1	0	******	530	******	1.422	27	*****	1.42	29
BARTLESVILLE	548	3	85.5	31	3.4	104	25	66	1	0	0	636	106	1.330	31	-1.27	0.73	29
BIXBY	782	3	85.4	31	4.4	103	30	67	14	0	0	632	136	0.460	31	-2.41	0.32	15
BURBANK	1256	3	*****	0 *	****	****	0	****	0	******	******	******	******	0.331	31	-2.91	0.33	28
CHELSEA	1717	3	*****	0 *	****	****	0	****	0	******	******	******	******	2.220	31	*****	1.35	28
CLAREMORE	1828	3	83.7	31	2.5	101	23	66	15	0	0	580	78	0.601	31	-2.37	0.24	29
HOLLOW	4258	3	*****	0 *	****	****	0	****	0	******	******	******	******	1.470	31	-1.69	0.57	16
HOMINY	4289	3	*****	0 *	****	****	0	****	0	******	******	******	******	1.180	31	-1.89	0.80	29
LENAPAH	5118	3	*****	0 *	****	****	0	****	0	******	******	******	******	0.860	31	*****	0.26	16
MANNFORD	5522	3	86.0	31	4.0	104	25	67	15	0	0	651	124	0.050	31	-2.72	0.05	29
MARAMEC	5540	3	*****	0 *	****	****	0	****	0	******	******	******	******	0.390	31	-2.40	0.28	29
MIAMI	5855	3	84.4	31	4.3	101	31	67	14	0	0	603	135	1.660	31	-1.87	1.32	14
PAWHUSKA	6935	3	86.5	31	4.9	103	23	65	1	0	0	666	151	3.871	31	0.69	3.50	29
PAWNEE	6940	3	*****	0 *	****	****	0	****	0	******	******	******	******	0.680	31	-2.05	0.66	29
PRYOR	7309	3	83.3	28 *	****	101	31	66	15	0	******	512	******	0.981	31	-1.77	0.47	17
RALSTON	7390	3	86.2	26 *	****	105	22	66	16	0	******	551	******	0.301	31	-2.64	0.30	29
SPAVINAW	8380	3	85.6	31	3.6	101	23	67	15	0	0	640	113	0.132	31	-2.89	0.05	27
TULSA	8992	3	87.3	31	4.0	104	30	69	15	0	0	692	125	0.511	31	-2.58	0.47	16
UPPER SPAV	9101	3	82.8	30 *	****	102	22	61	15	0	******	534	******	1.101	31	*****	0.29	17
VINITA	9203	3	80.3	17 *	****	95	11	64	15	0	******	260	******	0.900	17	*****	0.62	17
WAGONER	9247	3	85.6	31	3.7	101	23	69	16	0	0	638	114	0.001	31	-2.83	0.00	27
WANN	9298	3	*****	0 *	****	****	0	****	0	******	******	******	******	1.551	31	*****	0.75	16
WYNONA	9792	3	*****	0 *	****	****	0	****	0	******	******	******	******	1.761	31	*****	1.67	29

JULY 2001 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	87.5	31	5.4	109	13	65	2	0	0	699	169	0.420	31	-1.93	0.19	29
CLINTON	1909	4	88.2	31	4.4	109	13	67	9	0	0	720	137	0.381	31	-1.71	0.38	15
COLONY	2039	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.170	31	*****	0.17	8
CORDELL	2125	4	87.8	31	4.6	108	23	67	3	0	0	706	142	0.051	31	-1.88	0.05	15
ELK CITY	2849	4	85.5	31	3.6	108	13	66	3	0	0	636	112	0.130	31	-1.76	0.13	15
ERICK	2944	4	86.7	31	5.0	110	13	66	3	0	0	672	154	0.340	31	-1.35	0.22	17
GEARY	3497	4	86.1	25 *	****	106	12	67	1	0	******	528	******	0.750	31	-1.31	0.40	28
HAMMON	3871	4	85.7	30	3.7	107	13	63	2	0	0	620	93	0.190	30	*****	0.19	15
LEEDEY	5090	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.620	31	-1.16	0.62	16
MACKIE	5463	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.860	31	*****	0.62	14
MORAVIA	6035	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.490	31	-1.27	0.32	29
OKEENE	6629	4	88.9	31	5.4	109	11	67	2	0	0	740	166	0.681	31	-1.68	0.68	16
RETROP	7565	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.220	31	*****	0.22	17
REYDON	7579	4	84.7	20 *	****	103	23	64	3	0	******	395	******	0.000	20	*****	0.00	31
SAYRE	7952	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.070	31	-1.60	0.07	15
SWEETWATER	8652	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.490	31	*****	0.41	15
TALOGA	8708	4	86.5	31	4.5	108	13	65	2	0	0	666	139	1.090	31	-1.14	0.57	16
THOMAS	8815	4	*****	0 *	****	****	0	****	0	******	******	******	******	0.550	31	*****	0.55	14
VICI	9172	4	*****	0 *	****	****	0	****	0	******	******	******	******	1.240	31	-0.92	0.70	14
WATONGA	9364	4	87.0	31	4.6	107	13	66	2	0	0	681	142	0.200	31	-2.07	0.15	16
WEATHERFORD	9422	4	86.9	31	4.8	106	13	65	2	0	0	679	149	0.610	31	-1.49	0.39	15

JULY 2001 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
AMBER	200	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.660	31	*****	0.62	30
BLANCHARD	830	5	86.8	30	4.3	106	12	67	15	0	0	656	110	0.502	30	*****	0.50	29
BRISTOW	1144	5	85.4	30	3.4	105	22	65	15	0	0	612	85	0.720	31	-2.02	0.72	16
CHANDLER	1684	5	84.8	30	2.3	103	24	67	15	0	0	594	51	3.270	31	0.56	3.25	29
CHICKASHA EXP	1750	5	87.1	31	4.2	107	12	67	3	0	0	686	131	0.461	31	-1.63	0.44	29
COX CITY	2196	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.060	31	*****	0.06	1
CRESCENT	2242	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.510	31	*****	1.37	28
CUSHING	2318	5	85.7	30	3.8	102	24	68	15	0	0	620	96	0.880	30	*****	0.82	16
EDMOND	2788	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.530	31	*****	0.42	28
EL RENO	2818	5	87.2	31	4.9	107	13	66	3	0	0	687	151	0.400	31	-1.88	0.10	29
GUTHRIE	3821	5	86.9	31	3.6	107	13	67	15	0	0	679	112	2.110	31	-0.22	1.45	29
HENNESSEY	4055	5	87.8	31	4.5	109	11	68	13	0	0	707	140	1.130	31	-1.42	0.73	14
INGALLS	4489	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.580	31	*****	1.18	16
KINGFISHER	4861	5	87.3	31	3.9	108	13	68	2	0	0	692	122	1.800	31	-0.25	1.56	29
KONAWA	4915	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.850	31	-1.17	0.63	14
MARSHALL	5589	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.400	31	-1.87	0.21	16
MEEKER	5779	5	82.2	31	0.3	100	23	64	15	0	0	533	9	0.700	31	-1.55	0.68	29
MULHALL	6110	5	*****	0 *	****	****	0	****	0	******	******	******	******	2.510	31	*****	1.56	29
NORMAN NWS	6386	5	85.8	31	3.6	104	12	67	2	0	0	646	113	1.110	31	-1.65	1.07	28
OKEMAH	6638	5	85.6	20 *	****	102	22	66	15	0	******	413	******	0.500	20	*****	0.30	16
OKLAHOMA CTY F.	6659	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.271	31	*****	1.25	29
OKLAHOMA CTY	6661	5	85.7	31	3.7	107	12	67	2	0	0	642	115	1.273	31	-1.34	1.25	28
PERKINS	7003	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.200	31	-1.46	0.87	29
PIEDMONT	7068	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.530	31	*****	0.45	29
PRAGUE	7264	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.360	31	-1.60	1.31	29
SEMINOLE	8042	5	85.8	23 *	****	103	23	68	16	0	******	478	******	1.320	23	*****	0.73	29
SHAWNEE	8110	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.740	31	-1.43	0.70	29
STELLA	8479	5	*****	0 *	****	****	0	****	0	******	******	******	******	1.100	31	*****	1.10	29
STILLWATER	8501	5	85.9	31	4.3	103	13	69	15	0	0	647	132	2.270	31	-0.63	2.21	29
STROUD	8563	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.921	31	*****	0.74	16
TECUMSEH	8751	5	*****	0 *	****	****	0	****	0	******	******	******	******	2.870	31	*****	2.82	29
UNION CITY	9086	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.201	31	-2.10	0.11	15
TROUSDALE	8960	5	85.0	31 *	****	102	23	68	15	0	******	622	******	1.750	31	*****	1.70	29
WELTY	9479	5	*****	0 *	****	****	0	****	0	******	******	******	******	0.250	31	*****	0.25	29

JULY 2001 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ASHLAND	364	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.800	31	*****	0.79	30
CALVIN	1391	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.200	31	-2.87	0.10	26
CHECOTAH	1711	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.960	31	-2.08	0.72	31
CLAYTON	1858	6	*****	0 *	****	****	0	****	0	******	******	******	******	1.410	31	*****	0.58	14
DEWAR	2485	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.150	31	-3.23	0.15	16
DUSTIN	2690	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.412	31	*****	0.20	17
EUFAULA	2993	6	87.5	31	4.2	104	22	68	15	0	0	699	132	0.900	31	-2.39	0.50	13
HANNA	3884	6	84.0	31	2.2	101	22	65	15	0	0	589	68	2.191	31	-0.62	1.72	15
HOLDENVILLE	4235	6	86.3	31	4.4	105	22	67	1	0	0	661	137	0.652	31	-2.13	0.45	14
LAKE EUFAULA	4975	6	80.5	21 *	****	99	23	55	6	0	******	325	******	0.191	23	*****	0.19	30
LYONS	5437	6	*****	0 *	****	****	0	****	0	******	******	******	******	1.650	31	-1.26	0.93	27
MCALESTER	5664	6	84.5	31	2.6	100	23	67	15	0	0	604	80	0.203	31	-2.47	0.08	27
MCCURTAIN	5693	6	86.9	31	4.5	105	22	67	15	0	0	680	141	0.073	31	-3.10	0.07	26
MUSKOGEE	6130	6	84.5	31	2.3	101	30	68	15	0	0	604	71	0.061	31	-2.58	0.06	16
OKMULGEE	6670	6	85.9	29 *	****	104	22	67	16	0	******	607	******	0.300	30	*****	0.20	16
OKTAHA	6678	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.001	31	*****	0.00	23
SALLISAW	7862	6	84.7	31	2.9	101	24	69	15	0	0	612	91	1.460	31	-1.54	1.36	29
SCIPIO	7979	6	*****	0 *	****	****	0	****	0	******	******	******	******	1.350	31	*****	0.67	30
SHORT	8170	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.780	31	*****	0.50	29
STILWELL	8506	6	81.6	31	1.7	100	23	61	14	0	0	515	53	1.530	31	-1.52	0.70	29
WEBBERS FALL	9445	6	85.3	25 *	****	104	31	68	15	0	******	507	******	0.780	25	*****	0.42	20
WETUMKA	9571	6	*****	0 *	****	****	0	****	0	******	******	******	******	0.401	31	-2.52	0.17	27

JULY 2001 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ALTUS	179	7	88.7	31	4.2	110	16	67	2	0	0	736	131	0.240	31	-1.52	0.19	15
ALTUS DAM	184	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	-1.91	0.00	31
ANADARKO	224	7	85.1	30	2.3	104	13	65	2	0	0	603	51	0.790	30	*****	0.57	17
APACHE	260	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.900	31	-1.13	0.90	17
ALTUS AFB	447	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
CHATTANOOGA	1706	7	88.4	31	4.1	109	30	68	3	0	0	727	129	0.000	31	-2.12	0.00	31
DUNCAN 11 W	2668	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
FREDERICK	3353	7	88.2	30	3.8	108	16	69	3	0	0	696	95	0.350	31	-1.73	0.35	27
HEADRICK	3998	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.110	31	*****	0.11	15
HOBART	4204	7	89.2	31	5.5	110	13	66	3	0	0	752	172	0.062	31	-2.02	0.06	17
HOLLIS	4249	7	88.3	31	4.1	110	16	66	3	0	0	722	127	0.280	31	-1.34	0.28	29
LAWTON	5063	7	88.0	31	4.5	107	13	70	4	0	0	713	139	0.100	31	-1.80	0.10	29
LOOKEBA	5329	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.580	31	-1.31	0.33	29
MANGUM	5509	7	87.3	31	3.1	107	21	65	3	0	0	692	97	0.000	31	-2.03	0.00	31
ROOSEVELT	7727	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.210	31	-1.85	0.21	17
SEDAN	8016	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
SNYDER	8299	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.170	31	-1.89	0.17	17
VINSON	9212	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.510	31	-1.12	0.51	17
WALTERS	9278	7	87.6	31	3.5	107	30	68	3	0	0	702	110	0.000	31	-2.36	0.00	31
WICHITA MT	9629	7	87.7	28 *	****	108	13	65	2	0	******	635	******	0.000	28	*****	0.00	31

JULY 2001 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
ADA	17	8	85.3	31	3.1	102	22	67	1	0	0	629	96	1.061	31	-1.35	0.71	2
ALLEN	147	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.200	31	*****	0.10	29
ARDMORE	292	8	87.4	31	3.4	103	21	66	2	0	0	694	105	0.000	31	-2.13	0.00	31
ATOKA DAM	394	8	84.3	25 *	****	103	23	61	3	0	******	483	******	0.300	25	*****	0.21	30
BOKCHITO	917	8	*****	0 *	****	****	0	****	0	******	******	******	******	1.510	31	*****	1.51	30
CENTRAHOMA	1648	8	83.8	31 *	****	101	23	66	3	0	******	583	******	1.250	31	*****	0.60	14
CHICKASAW	1745	8	85.3	24 *	****	101	23	71	16	0	******	488	******	0.240	24	*****	0.24	14
COMANCHE	2054	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	-1.95	0.00	31
DAISY	2354	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.980	31	-2.45	0.98	14
DUNCAN	2660	8	85.9	29 *	****	105	13	68	2	0	******	607	******	0.050	30	*****	0.05	15
DURANT	2678	8	84.2	31	1.9	102	21	67	2	0	0	595	59	0.270	31	-2.02	0.25	29
ELMORE CITY	2872	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
GRADY	3688	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.100	31	*****	0.10	28
HEALDTON	4001	8	85.2	30	2.3	104	23	65	1	0	0	606	51	0.920	31	-1.05	0.56	29
HENNEPIN	4052	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.090	31	*****	0.08	2
KETCHUM RAN	4780	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
KINGSTON	4865	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.200	31	-1.91	0.11	30
LEHIGH	5108	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.251	31	*****	0.25	14
LINDSAY	5216	8	86.4	31	3.7	105	22	67	1	0	0	663	114	0.080	31	-1.98	0.08	16
LOCO	5247	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.060	31	*****	0.05	1
MADILL	5468	8	86.7	30	3.3	103	23	67	1	0	0	650	83	0.700	30	*****	0.37	30
MARIETTA 5 SW	5563	8	83.5	28 *	****	100	23	64	1	0	******	517	******	0.710	28	*****	0.71	1
MARLOW	5581	8	88.6	31	6.3	109	22	68	15	0	0	732	196	0.120	31	-2.20	0.07	15
MCGEE CREEK	5713	8	83.8	31 *	****	101	31	66	16	0	******	584	******	1.520	31	*****	1.20	14
PAULS VALLEY	6926	8	84.8	31	1.5	105	23	65	1	0	0	613	46	0.640	31	-1.62	0.38	2
PONTOTOC	7214	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.110	31	-2.43	0.07	28
TUSSY	9032	8	*****	0 *	****	****	0	****	0	******	******	******	******	0.000	31	*****	0.00	31
WAURIKA	9395	8	89.2	31	4.9	108	12	69	3	0	0	751	153	0.610	31	-1.20	0.61	29

JULY 2001 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

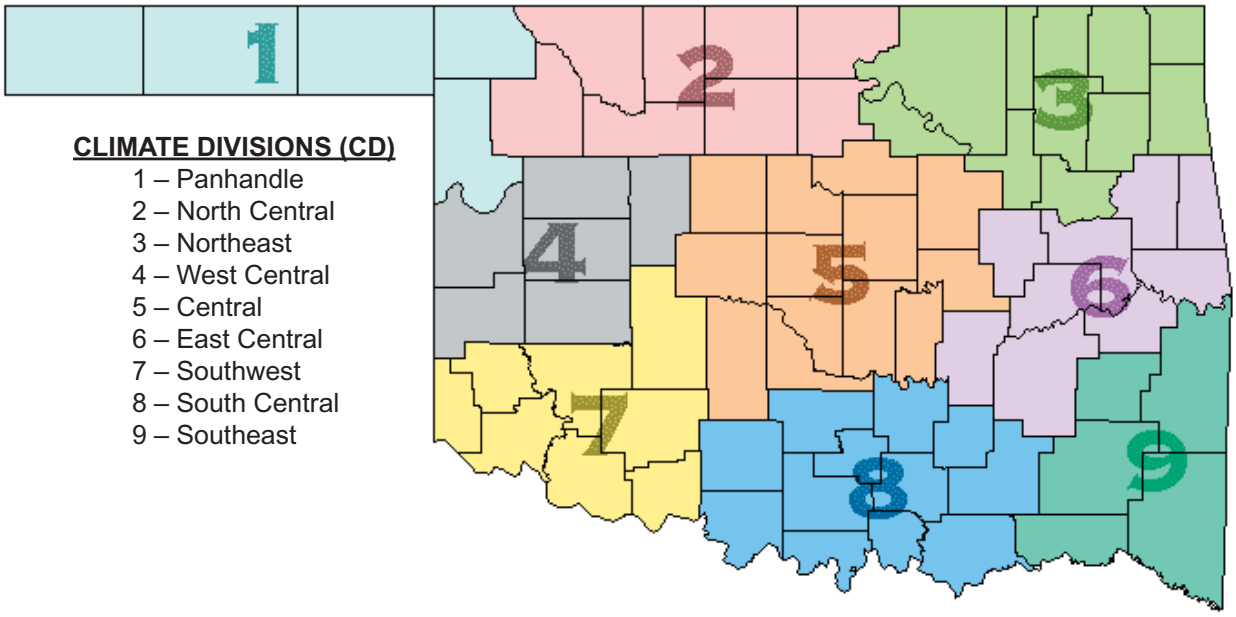
NAME	ID	CD	MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	TOT PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
BATTIEST	567	9	79.7	21 *	****	99	23	63	3	0	******	310	******	3.135	31	*****	1.70	28
BENGAL	670	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.310	31	*****	0.10	25
BROKEN BOW	1162	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.280	29	*****	0.16	28
CARNASAW	1499	9	*****	0 *	****	****	0	****	0	******	******	******	******	3.930	31	-0.08	3.18	26
CARTER TWR	1544	9	*****	0 *	****	****	0	****	0	******	******	******	******	4.700	31	0.71	2.25	28
FANSHAWE	3065	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.230	31	-3.38	0.21	17
IDABEL	4451	9	84.9	31	4.0	99	22	70	3	0	0	616	123	1.670	30	*****	0.91	14
PAGE	6842	9	83.5	28 *	****	102	23	64	15	0	******	519	******	1.400	28	*****	0.71	26
POTEAU	7254	9	86.1	31 *	****	110	26	66	1	0	******	655	******	1.540	31	*****	0.57	25
SMITHVILLE	8285	9	80.3	29 *	****	101	25	61	8	0	******	445	******	4.401	31	0.09	2.15	27
SPIRO	8416	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.230	31	-3.01	0.17	27
TUSKAHOMA	9023	9	84.0	31	2.3	103	22	64	2	0	0	590	72	2.150	31	-1.56	1.30	24
VALLIANT	9118	9	*****	0 *	****	****	0	****	0	******	******	******	******	1.790	31	-1.67	0.97	1
WILBURTON	9634	9	85.1	31	3.9	105	22	65	2	0	0	622	120	0.840	31	-2.92	0.37	27
WISTER	9724	9	*****	0 *	****	****	0	****	0	******	******	******	******	0.260	31	*****	0.26	28

JULY 2001 CLIMATE DIVISION SUMMARY

NAME	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CLIMATE DIVISION 1	1	85.7	8	4.8	111	23	62	3	0	0	640	146	1.130	11	-1.25	1.00	16
CLIMATE DIVISION 2	2	87.3	12	4.6	112	10	60	3	0	0	688	139	0.570	23	-2.25	1.58	29
CLIMATE DIVISION 3	3	85.3	10	3.7	105	22	61	15	0	0	627	114	1.020	21	-1.95	3.50	29
CLIMATE DIVISION 4	4	87.1	10	4.7	110	13	63	2	0	0	682	144	0.490	19	-1.52	0.70	14
CLIMATE DIVISION 5	5	86.0	14	3.5	109	11	64	15	0	0	644	104	1.180	30	-1.34	3.25	29
CLIMATE DIVISION 6	6	85.0	8	3.3	105	22	55	6	0	0	620	101	0.800	19	-2.13	1.72	15
CLIMATE DIVISION 7	7	87.9	9	4.1	110	16	65	2	0	0	705	123	0.200	18	-1.80	0.90	17
CLIMATE DIVISION 8	8	85.9	11	3.0	109	22	61	3	0	0	645	90	0.430	23	-1.86	1.51	30
CLIMATE DIVISION 9	9	85.0	4	4.3	110	26	61	8	0	0	621	132	1.960	12	-1.74	3.18	26

Note: The above climate division summary contains similar information to the preceding tables but are the averages or extremes over all of the stations reporting in each climate division.

CLIMATE DIVISION MAP



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

The tables appearing on the preceding pages contain the following information for each station or climate division:

Station Name: The name of the observing site.

Station Identification Number: These numbers usually are assigned by the National Climatic Data Center.

Climate Division: See the figure above.

Number of Temperature Observations: These numbers 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 Temperature: The maximum daily maximum temperature observed during the current month and year and the day on which it occurred.

Minimum Daily Temperature: The minimum daily minimum temperature observed during the current month and year and the day on which it occurred.

Heating Degree Days: HDD are calculated each day of the month for which there is a temperature report and the average temperature for the day is less than 65 degrees. Daily values are summed to arrive at a monthly total. HDD 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. See the equation to the right for the HDD calculation.

Heating Degree Days Calculation

$$\sum_{i=1}^{\text{NumDays}} 65-((TMAX_i + TMIN_i) / 2)$$

Where NumDays = the number of days in the month of interest (e.g., NumDays = 31 for January)

Deviation from Normal Heating Degree Days: The difference between the actual HDD and the normal HDD for the month. 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 the average temperature for the day exceeds 65 degrees. Daily values are summed to give a monthly total. CDD 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. See the equation to the right for the CDD calculation.

Cooling Degree Days Calculation

$$\sum_{i=1}^{\text{NumDays}} ((TMAX_i + TMIN_i) / 2) - 65$$

Where NumDays = the number of days in the month of interest (e.g., NumDays = 30 for June)

Deviation from Normal Cooling Degree Days: The difference between the actual HDD and the normal HDD for the month. 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 a 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: The difference between the actual rainfall and the normal rainfall for the month. 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 the 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.

MESONET MONTHLY SUMMARY FOR JULY 2001

NAME	MEAN MAX TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY	NAME	MEAN MAX TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY
PANHANDLE																					
Arnett	84.8	106	12	65	2	0	614	1.41	0.59	16	Goodwell	83.5	104	11	62	1	0	575	*****	*****	**
Beaver	86.7	108	23	64	1	0	671	1.06	0.28	27	Hooker	85.2	108	11	64	1	0	627	1.86	0.93	14
Boise City	81.1	103	22	60	4	0	498	1.97	0.92	27	Kenton	80.5	102	11	60	11	0	479	3.69	1.20	14
Buffalo	88.4	108	11	63	1	0	724	0.56	0.15	26	Slapout	85.9	108	11	63	2	0	648	0.50	0.36	15
NORTH CENTRAL																					
Alva	89.1	109	11	65	2	0	747	0.58	0.39	16	May Ranch	87.6	107	22	67	1	0	700	0.56	0.35	26
Blackwell	86.8	106	22	67	1	0	676	0.14	0.09	28	Medford	88.0	107	11	66	2	0	713	0.73	0.60	16
Breckenridge	88.0	107	12	66	1	0	711	0.19	0.12	16	Newkirk	85.9	104	17	67	1	0	647	0.22	0.11	28
Cherokee	89.6	110	22	68	2	0	761	0.12	0.06	28	Red Rock	86.2	105	12	67	1	0	658	0.98	0.88	28
Fairview	89.5	108	11	66	1	0	761	0.46	0.40	16	Seiling	87.6	107	12	64	2	0	699	0.79	0.59	16
Freedom	88.0	108	22	66	2	0	712	0.75	0.27	16	Woodward	86.9	105	11	65	1	0	679	1.00	0.66	15
Lahoma	87.4	107	17	67	1	0	****	0.15	0.09	28											
NORTHEAST																					
Bixby	84.7	101	12	66	15	0	610	0.24	0.18	16	Nowata	83.2	100	22	62	1	0	563	2.92	1.11	5
Burbank	85.6	105	22	65	1	0	640	1.15	1.10	28	Pawnee	85.9	104	22	66	1	0	646	0.28	0.28	28
Claremore	84.0	102	30	66	15	0	588	0.66	0.36	16	Porter	84.7	101	22	67	15	0	611	0.01	0.01	28
Copan	85.1	104	12	65	1	0	623	0.93	0.36	16	Pryor	83.1	101	30	64	15	0	561	0.64	0.45	16
Foraker	84.7	104	12	66	1	0	609	0.55	0.46	28	Skiatook	85.2	103	30	66	15	0	627	0.14	0.08	16
Jay	82.7	100	22	63	1	0	548	1.68	0.67	5	Vinita	82.0	100	23	64	1	0	527	3.93	2.74	28
Miami	82.4	99	23	64	1	0	540	1.75	1.29	16	Wynona	85.3	104	22	66	1	0	628	2.19	1.91	28
WEST CENTRAL																					
Bessie	88.7	109	12	67	2	0	735	0.15	0.15	15	Putnam	86.6	107	12	64	2	0	670	0.76	0.73	15
Butler	87.9	109	12	65	2	0	710	0.52	0.52	15	Retrop	87.9	109	12	65	2	0	710	0.97	0.97	16
Camargo	85.5	108	12	63	2	0	635	0.74	0.40	16	Watonga	87.7	108	12	68	1	0	703	0.66	0.45	28
Cheyenne	86.3	107	12	66	2	0	660	0.49	0.38	15	Weatherford	87.2	108	12	68	2	0	689	0.96	0.65	28
Erick	86.1	108	12	65	2	0	654	0.11	0.10	16											
CENTRAL																					
Acme	86.3	105	12	67	1	0	660	0.02	0.02	15	Minco	85.9	106	12	67	15	0	649	0.10	0.09	28
Bowlegs	84.9	103	12	66	14	0	615	0.99	0.59	14	Ninnekah	87.7	107	12	67	2	0	703	0.33	0.27	28
Bristow	84.1	102	12	64	15	0	592	0.78	0.76	16	Norman	86.3	105	12	67	2	0	639	0.49	0.49	28
Chandler	84.9	102	22	67	15	0	617	2.81	2.75	28	Oilton	85.1	101	12	63	15	0	624	0.22	0.21	16
Chickasha	86.0	105	12	65	2	0	652	0.49	0.47	28	Okemah	85.1	103	22	65	15	0	622	0.29	0.15	16
El Reno	85.5	106	12	61	2	0	634	0.96	0.62	28	Perkins	86.5	105	12	68	15	0	665	1.76	1.49	28
Guthrie	87.1	108	12	67	15	0	685	1.38	1.01	28	Shawnee	86.1	104	22	69	1	0	653	0.44	0.22	14
Kingfisher	88.0	108	12	67	2	0	714	1.32	0.70	16	Spencer	85.7	105	12	66	14	0	641	1.18	1.08	28
Marena	84.7	103	12	66	15	0	610	2.07	1.80	28	Stillwater	85.8	103	12	67	15	0	645	2.00	1.97	28
Marshall	87.9	109	12	66	1	0	709	0.20	0.17	16	Washington	85.9	105	12	68	2	0	647	0.05	0.05	28
EAST CENTRAL																					
Calvin	84.5	102	22	66	14	0	604	1.25	0.75	25	Sallisaw	84.2	102	22	68	15	0	595	1.85	0.90	28
Cookson	83.7	102	23	65	2	0	578	0.55	0.51	27	Stigler	84.5	102	22	67	15	0	606	1.59	1.29	30
Eufaula	85.5	101	22	67	15	0	634	0.06	0.04	25	Stuart	84.8	101	22	66	14	0	612	0.69	0.47	29
Haskell	84.5	101	22	67	15	0	603	0.04	0.02	16	Tahlequah	82.6	100	23	63	15	0	544	1.61	0.63	25
Hectorville	86.2	104	21	65	15	0	656	0.61	0.29	26	Webbers Falls	86.6	102	12	69	15	0	649	0.23	0.23	16
McAlester	84.5	101	22	66	2	0	603	0.17	0.07	15	Westville	82.3	101	22	63	15	0	537	0.98	0.44	16
Okmulgee	84.6	102	22	65	15	0	609	0.26	0.15	16											
SOUTHWEST																					
Altus	87.9	107	12	68	2	0	****	0.17	0.13	15	Hollis	88.5	110	12	67	3	0	729	0.45	0.45	28
Apache	86.0	105	12	66	2	0	651	0.74	0.69	16	Mangum	87.1	109	12	64	3	0	684	0.02	0.01	17
Fort Cobb	86.1	106	12	68	2	0	654	0.69	0.51	28	Medicine Park	88.2	107	12	68	2	0	720	0.03	0.03	16
Grandfield	90.0	110	12	68	2	0	776	0.13	0.13	28	Tipton	89.6	109	12	68	2	0	762	0.00	0.00	1
Hinton	86.8	107	12	65	2	0	675	0.40	0.22	28	Walters	89.3	109	12	68	1	0	754	0.00	0.00	1
Hobart	88.7	108	12	66	2	0	733	0.05	0.05	16											
SOUTH CENTRAL																					
Ada	86.0	103	22	68	1	0	649	0.76	0.48	1	Lane	83.6	99	12	68	2	0	578	1.05	0.59	14
Ardmore	85.7	102	22	69	1	0	640	0.00	0.00	1	Madill	85.5	100	21	69	2	0	636	0.00	0.00	1
Bee	86.1	103	22	68	3	0	653	0.06	0.06	29	Pauls Valley	85.6	102	22	69	2	0	638	0.55	0.51	28
Burneyville	86.0	103	22	68	2	0	651	0.00	0.00	1	Ringling	87.0	105	22	70	3	0	681	0.00	0.00	1
Byars	85.4	102	22	69	1	0	632	1.12	0.66	28	Sulphur	85.2	102	22	68	3	0	627	0.47	0.47	28
Centrahoma	83.7	101	22	66	3	0	581	1.07	0.75	14	Tishomingo	83.4	101	22	66	3	0	570	0.20	0.11	29
Durant	85.3	102	22	68	2	0	628	1.52	1.52	29	Vanoss	85.6	103	22	68	2	0	638	2.20	1.73	28
Ketchum Ranch	86.2	105	12	67	2	0	658	0.00	0.00	1	Waurika	88.4	107	12	68	2	0	725	0.47	0.38	29
SOUTHEAST																					
Antlers	82.5	99	24	64	2	0	542	1.36	0.91	14	Idabel	83.7	99	22	67	2	0	578	0.54	0.27	14
Broken Bow	82.3	99	22	65	2	0	535	0.26	0.17	25	Mt Herman	81.5	98	22	64	2	0	510	1.75	1.18	27
Clayton	84.6	102	22	66	2	0	606	0.61	0.34	27	Talihina	84.5	103	22	66	2	0	604	0.93	0.49	14
Cloudy	82.1	97	22	66	2	0	531	0.95	0.90	14	Wilburton	83.4	101	30	64	14	0	571	2.09	1.72	14
Hugo	84.0	100	22	66	2	0	590	0.14	0.14	14	Wister	84.9	107	22	64	2	0	618	0.04	0.03	27

EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION JULY 2001

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	111	22	BUFFALO	62	3	GAGE	1.00	16	FARGO	3.52	REGNIER
	111	23	BUFFALO								
2	112	10	LAHOMA	60	2	CHEROKEE	1.58	29	PERRY	1.67	PERRY
				60	3	CHEROKEE					
3	105	22	RALSTON	61	15	UPPER SPAV	3.50	29	PAWHUSKA	3.87	PAWHUSKA
4	110	13	ERICK	63	2	HAMMON	.70	14	VICI	1.24	VICI
5	109	11	HENNESSEY	64	1	MEEKER	3.25	29	CHANDLER	3.27	CHANDLER
				64	15	MEEKER					
6	105	22	HOLDENVILLE	55	6	LAKE EUFAULA	1.72	15	HANNA	2.19	HANNA
	105	22	MCCURTAIN								
7	110	16	ALTUS	65	2	ANADARKO	.90	17	APACHE	.90	APACHE
	110	13	ALTUS DAM	65	2	MANGUM					
	110	13	HOBART	65	3	MANGUM					
	110	12	HOLLIS	65	2	WICHITA MT					
	110	16	HOLLIS								
8	109	22	MARLOW	61	3	ATOKA DAM	1.51	30	BOKCHITO	1.52	MCGEE CREEK
9	110	26	POTEAU	61	8	SMITHVILLE	3.18	26	CARNASAW	4.70	CARTER TWR

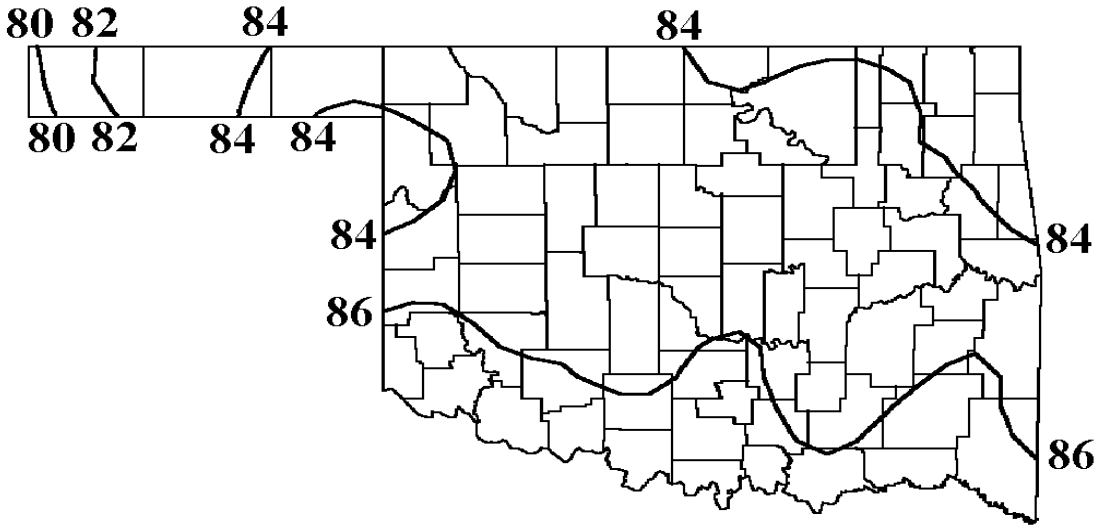
TABLE OF 2000/2001 COMPARISONS

	JULY Temperature (°F		JULY Precipitation (in.)	
Station	**2000**	**2001**	**2000**	**2001**
Arnett	78.3	83.0	1.18	1.33
Enid	82.8	88.5	3.84	0.21
Tulsa	81.4	87.3	6.58	0.51
Elk City	80.6	85.5	0.77	0.13
Oklahoma City	80.8	85.7	5.25	1.27
McAlester	81.3	84.5	2.34	0.20
Altus Irr Station	84.0	88.7	0.74	0.24
Ardmore	84.0	87.4	2.92	0.00
Idabel	82.5	84.9	3.47	1.67

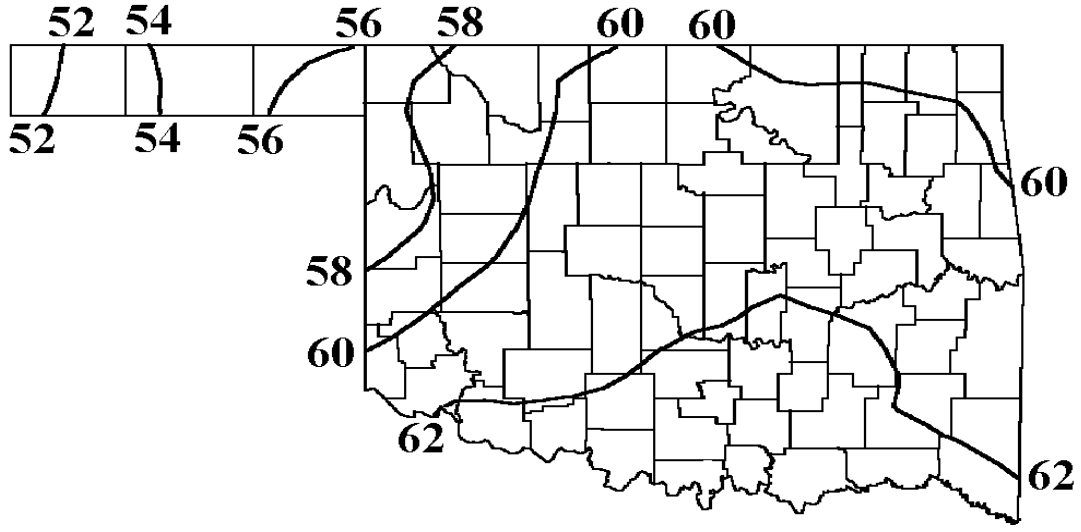
JULY 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Lake Eufaula	6	55	6
Maximum temperature (°F)	Lahoma	2	112	10
Maximum 24-hour Precipitation	Pawhuska	3	3.50	29

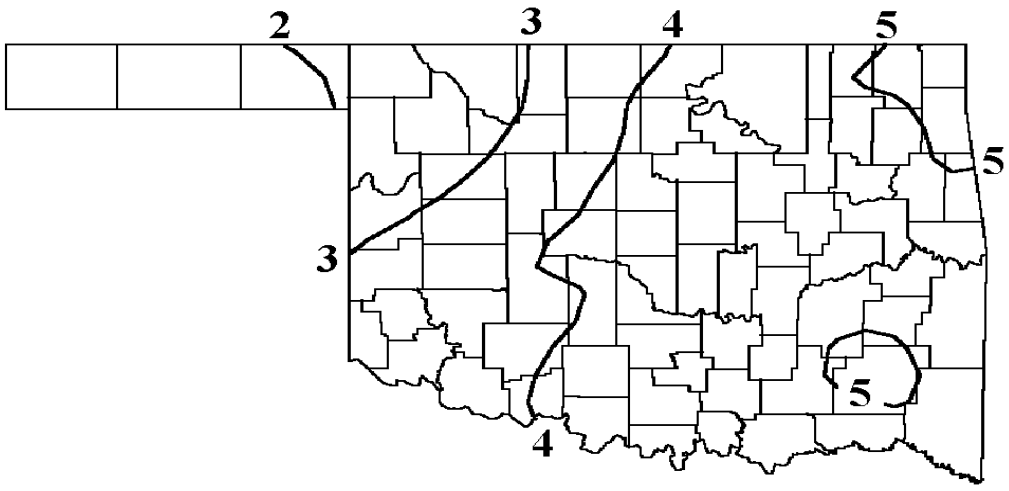
SEPTEMBER NORMAL DAILY MAXIMUM TEMPERATURE (ºF)



SEPTEMBER NORMAL DAILY MINIMUM TEMPERATURE (ºF)



SEPTEMBER NORMAL MONTHLY PRECIPITATION (INCHES)



OUTLOOK FOR SEPTEMBER 2001 THROUGH NOVEMBER 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

Temperature: Above normal temperature in western part of state
Near normal temperature in eastern part of state

Precipitation: Near normal precipitation statewide

OKLAHOMA CITY CLIMATE CALENDAR

SEPTEMBER

The data on this calendar are for Oklahoma City, Oklahoma.
Normal values are calculated for the period 1961-1990.
Temperature extremes are for the period 1905-1999.
Precipitation extremes are for the period 1888-1999.

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	78	89		105	1951	69	1994	1994		80	1951	53	1956	0.11		2.53	1974
2	77	88		105	1951	68	1967	1967		78	1961	52	1974	0.11		4.08	1991
3	77	88		107	1998	71	1974	1974		80	1939	47	1974	0.12		3.16	1926
4	77	88		107	1998	66	1961	1961		79	1970	46	1974	0.12		1.74	1940
5	76	87		106	1998	64	1962	1962		77	1939	47	1974	0.12		1.65	1992
6	76	87		106	1947	71	1918	1918		77	1998	51	1974	0.12		2.20	1895
7	76	87		102	1998	66	1962	1962		77	1936	49	1898	0.12		1.37	1905
8	75	86		101	1922	73	1995	1995		80	1896	48	1957	0.12		3.16	1993
9	75	86		99	1970	67	1929	1929		77	1896	51	1962	0.13		1.88	1891
10	75	85		101	1936	64	1929	1929		77	1938	47	1962	0.13		2.40	1925
11	75	85		100	1909	60	1898	1898		77	1936	48	1940	0.13		2.36	1906
12	74	85		102	1930	64	1989	1989		78	1930	45	1898	0.13		3.03	1961
13	74	84		102	1965	53	1989	1989		78	1978	45	1902	0.13		1.88	1985
14	74	84		102	1965	58	1975	1975		77	1965	47	1993	0.13		3.61	1957
15	74	84		100	1965	57	1903	1903		76	1956	44	1993	0.13		2.35	1925
16	73	84		101	1978	59	1903	1903		76	1965	44	1993	0.13		1.97	1991
17	72	83		99	1972	58	1973	1973		78	1978	44	1903	0.13		1.42	1936
18	72	83		99	1952	53	1971	1971		78	1978	42	1981	0.13		3.10	1923
19	72	83		98	1954	56	1971	1971		76	1978	44	1971	0.14		1.81	1942
20	72	82		100	1954	52	1896	1896		76	1954	41	1971	0.14		3.82	1990
21	71	82		97	1998	59	1995	1995		76	1931	39	1983	0.14		2.04	1990
22	71	82		96	1956	58	1995	1995		76	1931	41	1995	0.13		7.53	1970
23	71	81		97	1931	58	1925	1925		75	1931	38	1995	0.13		1.47	1988
24	70	81		98	1939	56	1974	1974		74	1958	36	1989	0.13		3.87	1959
25	70	81		97	1939	53	1926	1926		74	1933	41	1989	0.13		1.41	1893
26	69	80		98	1977	46	1926	1926		73	1998	35	1912	0.13		1.74	1973
27	69	80		96	1953	47	1927	1927		72	1923	38	1942	0.13		1.75	1936
28	69	80		104	1953	53	1984	1984		73	1977	37	1896	0.13		2.88	1945
29	68	80		98	1953	47	1945	1945		71	1933	39	1916	0.13		2.90	1986
30	68	79		100	1977	54	1985	1985		72	1977	36	1895	0.13		1.79	1986
MONTH	**73**	**83.8**		**107**	**1998**	**46**	**1926**	**1926**		**80**	**1951**	**35**	**1912**	**3.84**		**7.53**	**1970**

DATA COURTESY OF NATIONAL WEATHER SERVICE – NORMAN
Temperatures are in degrees Fahrenheit; precipitation is in inches.

TULSA CLIMATE CALENDAR

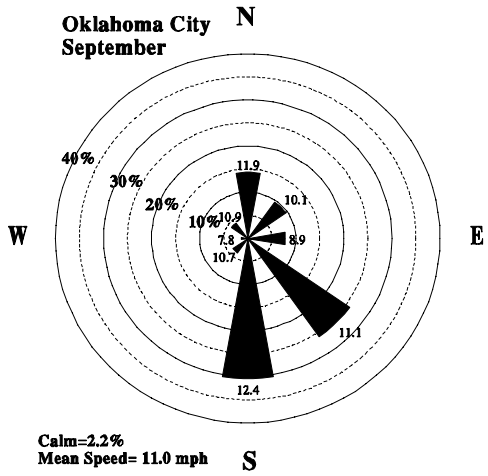
SEPTEMBER

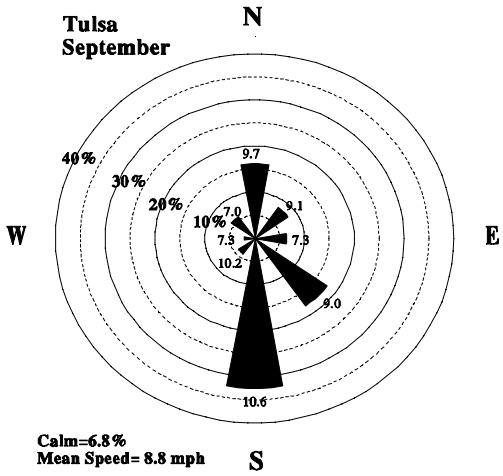
The data on this calendar are for Tulsa, Oklahoma.
Normal values are calculated for the period 1961-1990.
Temperature extremes are for the period 1905-2000.
Precipitation extremes are for the period 1888-2000.

Day	Avg. Temp.	Ave. High	2001	Record High	Year	Lowest Max	Year	Ave. Low	2001	Highest Min.	Year	Record Low	Year	Avg. Precip.	2001	Greatest Precip.	Year
1	78	88		108	2000	69	1994	68		79	1936	48	1967	0.14		2.24	1974
2	78	88		109	1939	68	1974	67		82	1936	51	1974	0.14		2.38	1934
3	77	88		109	1939	70	1974	67		82	1995	47	1974	0.14		3.27	1962
4	77	87		107	1998	66	1967	67		79	1947	46	1974	0.15		6.39	1940
5	77	87		107	1913	70	1962	67		79	1985	49	1974	0.15		1.62	1926
6	76	87		107	1907	69	1962	66		80	1998	52	1974	0.15		4.05	1971
7	76	86		106	1936	65	1986	66		79	1985	50	1918	0.15		1.90	1905
8	76	86		103	1925	66	1995	66		78	1983	50	1956	0.16		2.26	1941
9	75	86		102	1909	70	1941	65		76	1991	51	1943	0.16		2.67	1951
10	75	85		105	1936	72	1940	65		75	1991	48	1968	0.16		3.10	1999
11	75	85		103	1909	72	1940	65		79	1936	45	1940	0.16		2.18	1925
12	75	85		102	1930	68	1989	65		78	1936	48	1959	0.16		1.75	1989
13	74	84		103	1965	55	1989	64		78	1936	49	1960	0.16		2.45	1993
14	74	84		103	1965	57	1989	64		78	1931	46	1961	0.16		2.15	1957
15	74	84		103	1956	60	1949	63		79	1956	42	1993	0.16		2.87	1962
16	73	83		103	1956	66	1996	63		77	1956	44	1993	0.17		5.78	1971
17	73	83		104	1931	61	1971	63		79	1978	44	1981	0.17		1.76	1923
18	73	83		100	1952	56	1971	62		80	1978	42	1981	0.17		2.39	1971
19	72	83		100	1954	58	1971	62		79	1954	45	1991	0.17		4.30	1974
20	72	82		102	1954	64	1995	62		81	1910	39	1938	0.16		1.98	1915
21	72	82		98	1980	57	1995	61		78	1980	38	1918	0.16		3.50	1902
22	71	81		99	1921	58	1995	61		75	1931	37	1995	0.16		3.78	1970
23	71	81		101	1931	60	1994	60		74	1931	37	1995	0.16		2.25	1997
24	70	81		99	1931	58	1974	60		76	1958	37	1989	0.16		2.33	1945
25	70	81		99	1939	58	1913	60		75	1986	43	1926	0.16		2.07	1959
26	70	80		96	1938	48	1926	59		73	1998	37	1912	0.16		2.37	1996
27	70	80		96	1954	51	1926	59		73	1977	35	1942	0.15		2.94	1920
28	69	80		102	1953	55	1984	58		73	1986	38	1908	0.15		1.93	1945
29	68	79		98	1953	55	1945	58		73	1955	37	1916	0.15		4.45	1986
30	68	79		99	1979	59	1959	57		72	1977	35	1984	0.15		1.85	1959
MONTH	**73.3**	**83.6**		**109**	**1939**	**48**	**1926**	**63**		**82**	**1995**	**35**	**1984**	**0.16**		**6.39**	**1940**

DATA COURTESY OF NATIONAL WEATHER SERVICE – TULSA
Temperatures are in degrees Fahrenheit; precipitation is in inches.

SEPTEMBER WIND ROSES





September Wind Roses for Oklahoma City and Tulsa. The frequencey (percent) of winds from each direction is represented by length of its bar. The numbers at the ends of the bars indicate the average wind speed from that directon in miles per hour.

SEPTEMBER SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

DATE	SUNRISE	SUNSET
9/1/01	6:03 AM	6:57 PM
9/2/01	6:03 AM	6:56 PM
9/3/01	6:04 AM	6:54 PM
9/4/01	6:05 AM	6:53 PM
9/5/01	6:05 AM	6:51 PM
9/6/01	6:06 AM	6:50 PM
9/7/01	6:07 AM	6:48 PM
9/8/01	6:08 AM	6:47 PM
9/9/01	6:08 AM	6:46 PM
9/10/01	6:09 AM	6:44 PM
9/11/01	6:10 AM	6:43 PM
9/12/01	6:11 AM	6:41 PM
9/13/01	6:11 AM	6:40 PM
9/14/01	6:12 AM	6:38 PM
9/15/01	6:13 AM	6:37 PM
9/16/01	6:14 AM	6:35 PM
9/17/01	6:14 AM	6:34 PM
9/18/01	6:15 AM	6:32 PM
9/19/01	6:16 AM	6:31 PM
9/20/01	6:17 AM	6:30 PM
9/21/01	6:17 AM	6:28 PM
9/22/01	6:18 AM	6:27 PM
9/23/01	6:19 AM	6:25 PM
9/24/01	6:20 AM	6:24 PM
9/25/01	6:21 AM	6:22 PM
9/26/01	6:21 AM	6:21 PM
9/27/01	6:22 AM	6:19 PM
9/28/01	6:23 AM	6:18 PM
9/29/01	6:24 AM	6:16 PM
9/30/01	6:24 AM	6:15 PM

TULSA

DATE	SUNRISE	SUNSET
9/1/01	5:56 AM	6:51 PM
9/2/01	5:56 AM	6:50 PM
9/3/01	5:57 AM	6:48 PM
9/4/01	5:58 AM	6:47 PM
9/5/01	5:59 AM	6:45 PM
9/6/01	5:59 AM	6:44 PM
9/7/01	6:00 AM	6:43 PM
9/8/01	6:01 AM	6:41 PM
9/9/01	6:02 AM	6:40 PM
9/10/01	6:02 AM	6:38 PM
9/11/01	6:03 AM	6:37 PM
9/12/01	6:04 AM	6:35 PM
9/13/01	6:05 AM	6:34 PM
9/14/01	6:06 AM	6:32 PM
9/15/01	6:06 AM	6:31 PM
9/16/01	6:07 AM	6:29 PM
9/17/01	6:08 AM	6:28 PM
9/18/01	6:09 AM	6:26 PM
9/19/01	6:09 AM	6:25 PM
9/20/01	6:10 AM	6:23 PM
9/21/01	6:11 AM	6:22 PM
9/22/01	6:12 AM	6:20 PM
9/23/01	6:13 AM	6:19 PM
9/24/01	6:13 AM	6:17 PM
9/25/01	6:14 AM	6:16 PM
9/26/01	6:15 AM	6:14 PM
9/27/01	6:16 AM	6:13 PM
9/28/01	6:17 AM	6:11 PM
9/29/01	6:17 AM	6:10 PM
9/30/01	6:18 AM	6:09 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

CONTACT INFORMATION

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