

OKLAHOMA MONTHLY CLIMATE SUMMARY

AUGUST 2001

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Oklahoma Climatological Survey

MONTHLY SUMMARY FOR AUGUST 2001

August 2001

Statewide average temperature = 83.0° F
Statewide average rainfall = 2.36 inches

Locally heavy rains, mostly after the middle of the month, provided Oklahoman's with some relief from the hot, dry weather that dominated this summer. Nevertheless, statewide-averages of temperature and precipitation characterize August as both warmer and drier than normal. The monthly mean temperature, averaged statewide, of 83.0 degrees was 2.2 degrees greater than normal to rank this as the 31st warmest August in Oklahoma since 1892. The statewide-averaged monthly precipitation of 2.36 inches was 0.46 inch less than normal and ranks as the 44th lowest August precipitation on record for the state.

The three-month summer season ended with a statewide-averaged temperature of 82.1 degrees, 2.1 degrees greater than normal, to rank this as the 13th warmest summer during the 110 years on record. Seasonal precipitation fared even worse, as the statewide-averaged season total precipitation of 5.52 inches fell 3.87 inches less than normal, ranking as the 9th lowest summer precipitation recorded in the state. The average temperature through the first eight months of the year of 62.9 degrees, 0.5 degree greater than average, is 42nd highest January-through-August temperature in the state since 1892. Year-to-date precipitation (22.25 inches, statewide) is 0.89 inch less than normal and ranks this as the 45th driest January-to-August on record.

August Normals

Statewide average temperature = 81.8° F
Statewide average rainfall = 2.82 inches

Temperatures in the 100's were reported somewhere in the state on most reporting dates. Alva (Woods County) recorded a 108-degree daily maximum temperature three times during the month, the last reported for the 24 hours ending at 7 AM on the 21st. There were several incursions of cooler air during the month. While those incursions provided some relief from the summer heat, such relief was typically short-lived. The lowest temperatures recorded in the state were a pair of 54s recorded at the Kenton Mesonet site (Cimarron) on the 26th and 27th.

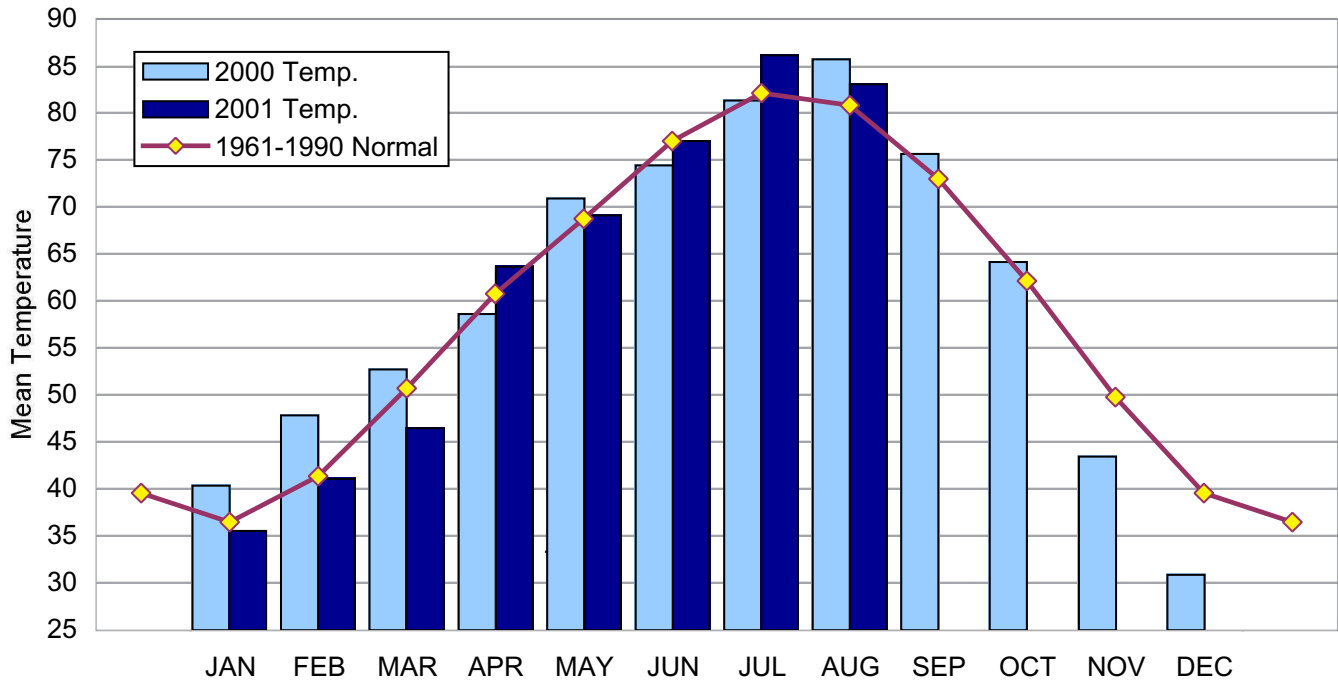
(Continued on page 3.)

Precipitation events were at times very heavy, but always somewhat limited in area. Dewar (Okmulgee) reported 4.75 inches of rain on the 13th to complete a two-day total of 6.00 inches and a three-day total of 6.65 inches. Sedan (Kiowa) reported 3.73 inches of rain on the 13th to complete a two-day total of 4.30 inches. Kingston (Marshall) reported 1.40 inches of rain on the 16th and 3.50 inches on the 18th for a three-day total of 4.90 inches. Other substantial one-day precipitation events recorded at National Weather Service observing site included: 2.80 inches at Hanna (McIntosh) and 2.69 inches at Anadarko (Caddo) reported on the 12th, 2.50 inches at Atoka (Atoka) on the 16th, 2.50 inches at Lawton (Comanche) on the 18th, 3.45 inches at Lahoma (Garfield/Major) on the 24th, 2.60 inches at Arnett (Ellis) on the 26th and 4.00 inches at Bokchito (Bryan) on the 27th. Daily rainfall reports from Oklahoma Mesonet sites included: 2.48 inches at Hobart (Kiowa) on the 13th, 2.58 inches at Spencer (Oklahoma) on the 25th, 2.90 inches at Idabel (McCurain) on the 26th, and 2.52 inches at Cloudy (Pushmataha), also on the 26th.

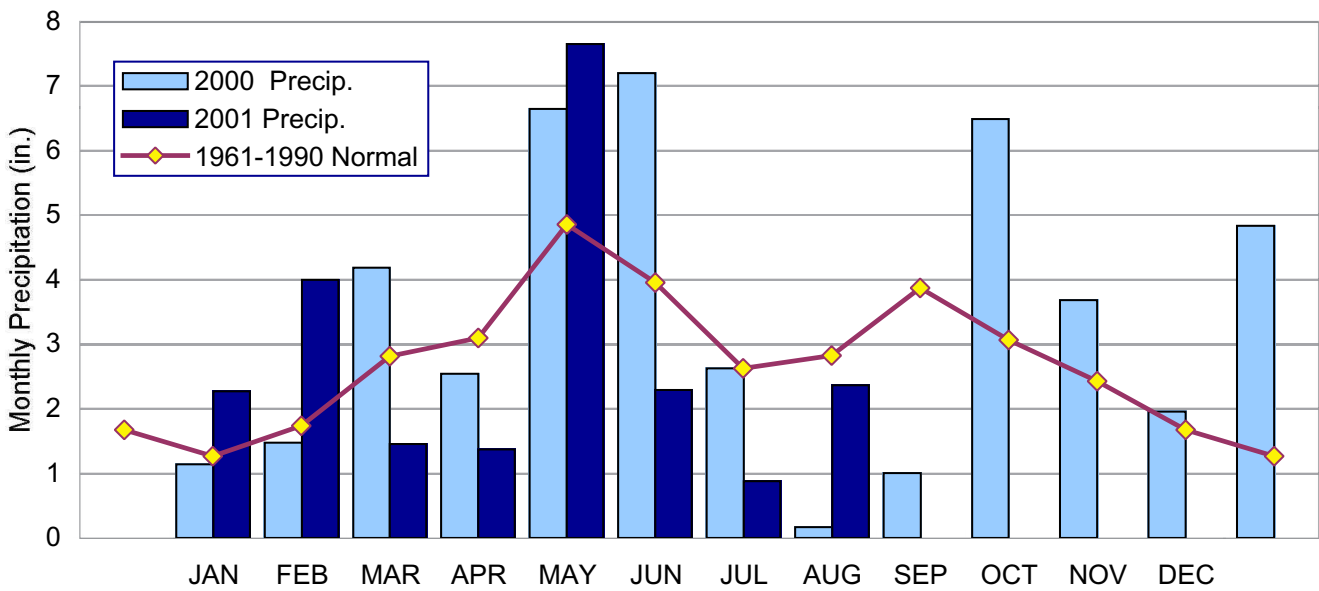
Severe weather, in the form of large hail or damaging winds, was reported somewhere in the state on the 4th, 9th, 10th, 11th, 15th, 17th, 22nd, 23rd through the 25th. Three Mesonet stations recorded peak winds in excess of 60 miles per hour: 64 at Cookson (Cherokee) on the 10th, 83 at Retrop (Kiowa) on the 15th, 70 at Lahoma on the 23rd, and 62 at Woodward on the 25th. The NWS automated station at the Stillwater (Payne) airport recorded a gust to 77 miles per hour on the 15th.

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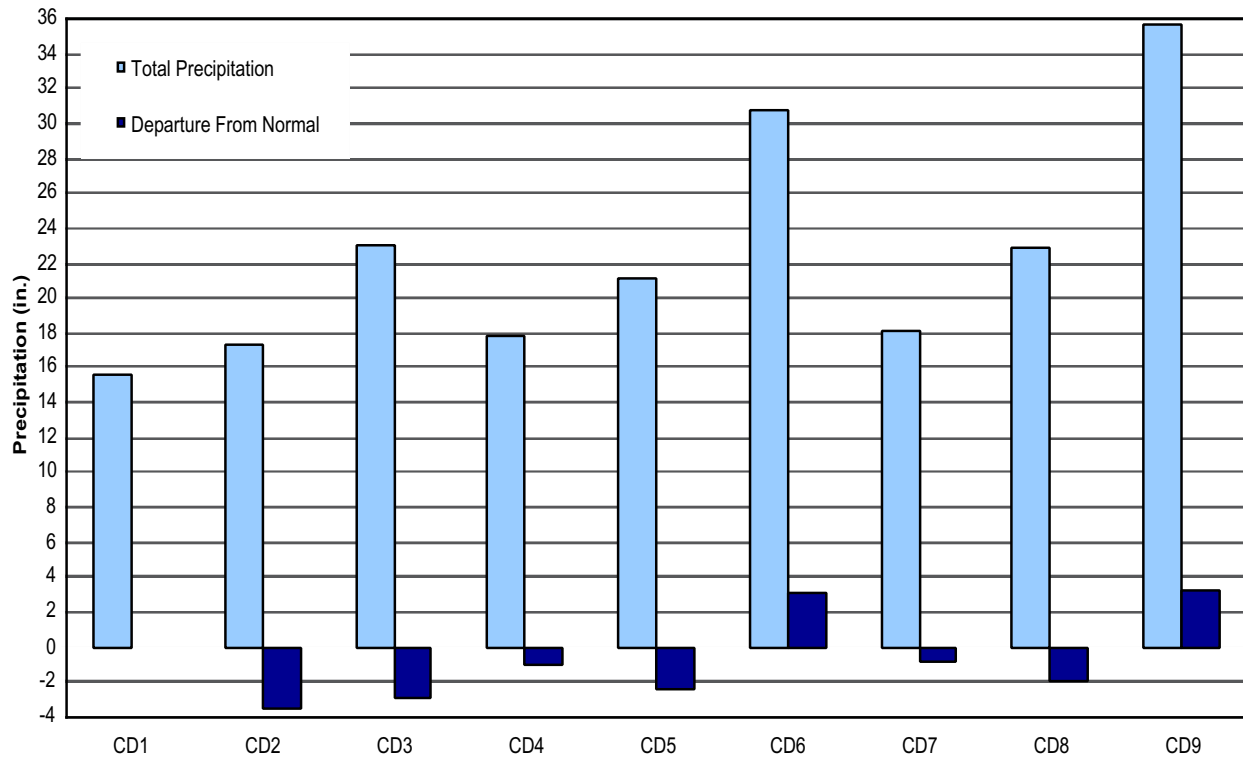
2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



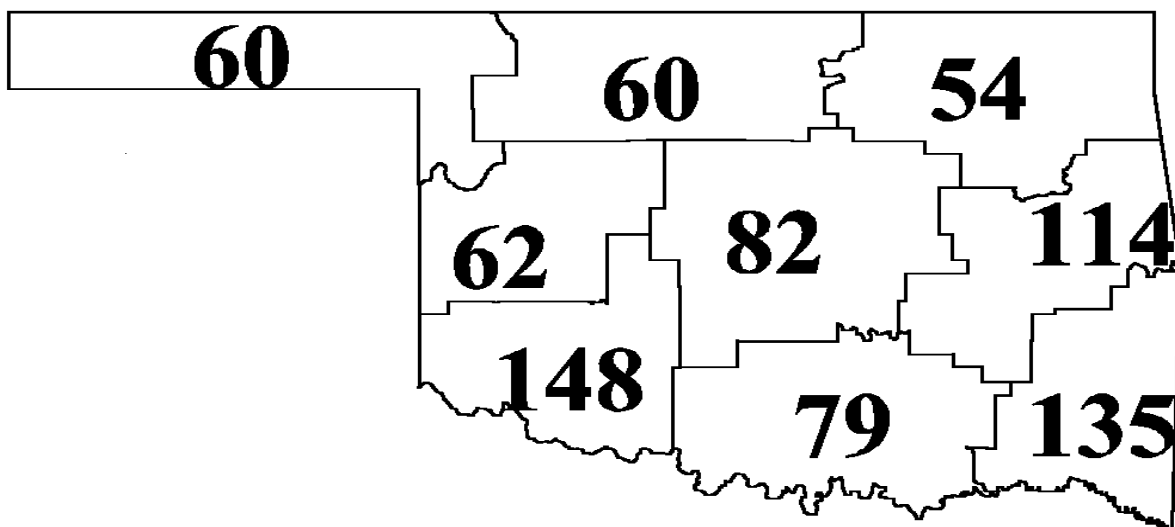
2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



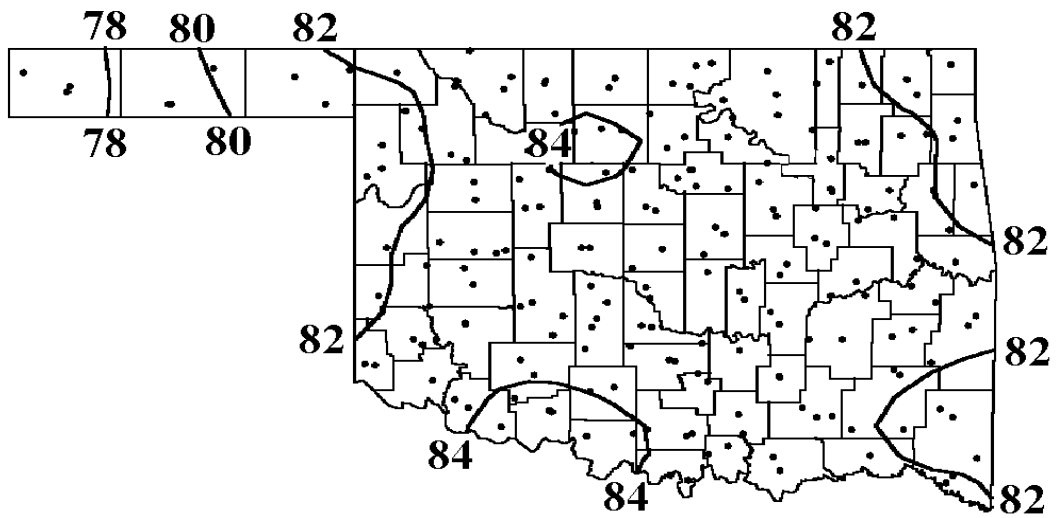
CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH AUGUST 2001



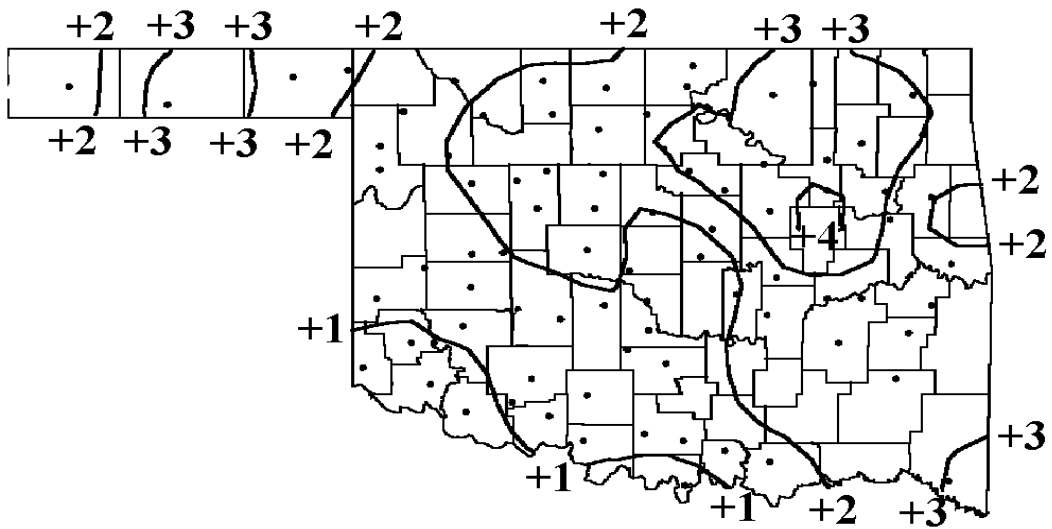
CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - AUGUST 2001



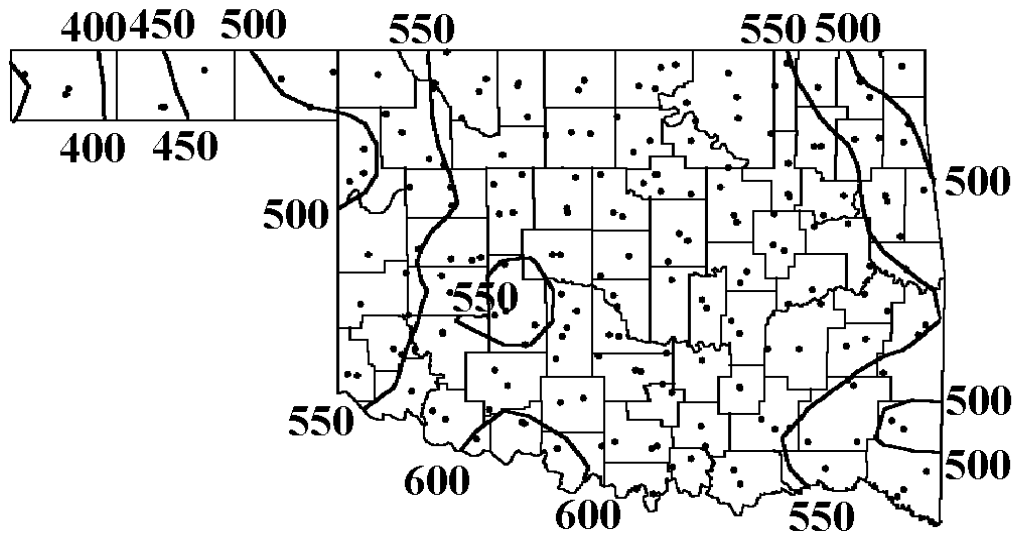
AUGUST 2001 AVERAGE MONTHLY TEMPERATURE (°F)



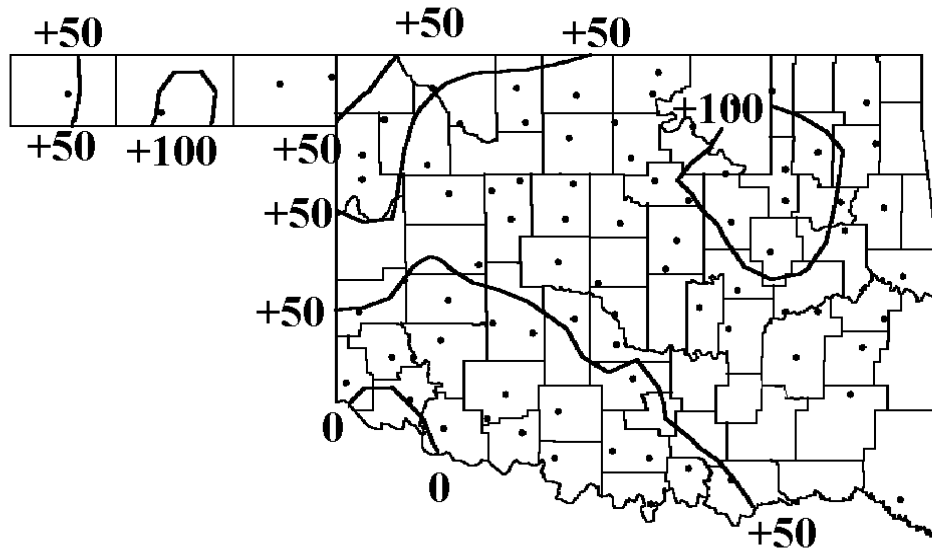
AUGUST 2001 DEPARTURE FROM NORMAL TEMPERATURE (°F)



AUGUST 2001 ACCUMULATED COOLING DEGREE DAYS (°F)



AUGUST 2001 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (°F)



AUGUST 2001 SUMMARY FOR PANHANDLE CLIMATE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ARNETT	332	1	79.7	31	1.1	100	21	61	31	0	0	455	33	3.262	31	0.85	2.60	26
BEAVER	593	1	81.3	31	2.7	105	21	57	29	0	0	505	83	1.280	31	-1.67	1.12	24
BOISE CITY	908	1	76.5	31	1.0	100	6	55	29	0	0	357	31	1.851	31	-0.60	1.35	11
BUFFALO	1243	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	0.750	31	-2.71	0.65	11
FARGO	3070	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	3.030	31	0.32	2.33	24
GAGE	3407	1	81.2	30	1.1	103	21	57	20	0	0	486	18	0.775	30	*****	0.65	26
GATE	3489	1	82.1	31	2.4	105	21	62	11	0	0	531	75	0.970	31	-1.91	0.38	30
GOODWELL	3628	1	80.4	31	4.0	103	8	55	15	0	0	477	124	1.153	31	-1.01	0.50	17
KENTON	4766	1	80.5	23	*****	101	11	62	28	0	*****	356	*****	5.461	29	*****	1.30	26
LAVERNE	5045	1	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	0.732	31	-2.13	0.45	17
TURPIN	9017	1	81.1	25	*****	103	21	58	28	0	*****	404	*****	0.390	25	*****	0.39	24

AUGUST 2001 SUMMARY FOR NORTH CENTRAL CLIMATE DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY	
					FROM NORM	MAX TEMP									FROM NORM	MAX 24-HR		
ALVA	193	2	84.5	31	*****	108	21	62	20	0	*****	606	*****	1.180	31	*****	0.52	31
VANCE AFB	302	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	0.801	30	*****	0.32	19
BILLINGS	755	2	83.2	31	2.2	105	10	62	27	0	0	565	69	2.931	31	-0.20	1.10	31
BLACKWELL 2E	818	2	84.5	25	*****	105	22	65	31	0	*****	488	*****	2.000	30	*****	1.86	31
BRAMAN	1075	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	2.040	31	*****	1.68	31
CEDARDALE	1620	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.572	31	*****	1.03	25
CHEROKEE	1724	2	84.3	30	2.1	107	20	63	28	0	0	578	45	0.952	30	*****	0.90	31
ENID	2912	2	85.6	31	3.9	105	6	65	31	0	0	638	120	0.900	31	-2.28	0.37	24
FT SUPPLY	3304	2	80.1	31	1.0	104	20	56	31	0	0	469	32	0.571	31	-2.25	0.21	11
FREEDOM	3358	2	82.5	31	1.4	105	21	62	29	0	0	541	42	2.652	31	-0.35	1.30	25
GREAT SALT P	3740	2	83.7	29	*****	106	10	63	19	0	*****	541	*****	1.210	30	*****	0.81	10
HARDY	3909	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.420	31	*****	0.70	31
HELENA	4019	2	83.5	31	3.2	106	3	61	27	0	0	574	100	0.851	31	-1.91	0.45	11
JEFFERSON	4573	2	83.4	31	1.7	107	10	60	28	0	0	569	51	1.260	31	-1.97	0.66	12
LAHOMA	4950	2	83.5	31	*****	107	21	62	19	0	*****	573	*****	6.060	31	*****	3.45	24
LAMONT	5013	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	2.871	31	*****	0.95	18
MEDFORD	5768	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.500	31	*****	0.75	12
MORRISON	6065	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	1.720	31	*****	1.21	16
MUTUAL	6139	2	82.5	31	2.5	107	21	61	31	0	0	541	76	1.890	31	-0.31	1.05	24
NEWKIRK	6278	2	83.6	31	2.7	105	10	56	28	0	0	576	83	1.680	31	-1.77	1.10	31
ORIENTA	6751	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	2.271	31	-0.47	1.02	24
PERRY	7012	2	85.3	31	3.6	105	10	67	31	0	0	630	112	1.920	31	-1.34	1.29	31
PONCA CITY	7201	2	84.6	30	3.8	105	21	61	28	0	0	589	99	0.612	30	*****	0.55	31
RED ROCK	7505	2	*****	0	*****	*****	0	*****	0	*****	*****	*****	*****	0.792	31	-2.04	0.50	31
WAYNOKA	9404	2	83.9	31	2.5	107	21	63	31	0	0	585	77	0.432	31	-2.49	0.13	25

AUGUST 2001 SUMMARY FOR NORTHEAST CLIMATE DIVISION (CD3)

NAME	ID	CD	MEAN	NUM	DEV		MIN	DAY	TEMP	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV	MAX	DAY
			TEMP		OBS	FROM					MAX	DEG	FROM	DEG			FROM		
BARTLESVILLE	548	3	83.6	31	3.1	105	9	58	19	0	0	577	96	0.991	31	-2.16	0.87	31	
BIXBY	782	3	83.9	31	4.6	104	9	67	31	0	0	586	143	1.610	31	-1.14	0.50	10	
BURBANK	1256	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.581	31	-2.83	0.23	29	
CHELSEA	1717	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.010	31	*****	0.47	16	
CLAREMORE	1828	3	83.3	31	3.6	104	10	65	31	0	0	569	113	0.912	31	-2.16	0.39	16	
HOLLOW	4258	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.391	31	-0.82	1.10	11	
HOMINY	4289	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.881	31	-2.40	0.30	12	
LENAPAH	5118	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.280	31	*****	0.61	31	
MANNFORD	5522	3	84.3	31	3.5	103	9	65	31	0	0	597	107	2.130	31	-1.15	1.08	16	
MARAMEC	5540	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.311	31	-0.87	1.17	3	
PAWHUSKA	6935	3	83.8	31	3.6	103	20	63	19	0	0	583	112	0.113	31	-3.47	0.07	18	
PAWNEE	6940	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.121	31	-1.09	1.15	26	
PRYOR	7309	3	83.5	26	*****	103	6	63	20	0	*****	480	*****	1.862	26	*****	0.82	16	
RALSTON	7390	3	82.7	31	2.2	104	9	59	19	0	0	550	69	1.401	31	-1.91	1.12	3	
SPAVINAW	8380	3	84.2	31	3.4	102	10	67	31	0	0	594	104	2.690	31	-1.22	0.80	12	
TULSA	8992	3	85.1	31	3.6	104	9	66	31	0	0	625	113	2.263	31	-0.86	0.77	23	
UPPER SPAV	9101	3	80.8	31	*****	102	9	60	19	0	*****	489	*****	3.370	31	*****	1.34	12	
VINITA	9203	3	82.0	30	3.0	102	9	60	19	0	0	509	75	1.850	30	*****	0.67	16	
WAGONER	9247	3	84.1	31	3.3	101	9	68	31	0	0	592	102	2.730	31	-0.30	1.42	16	
WANN	9298	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.261	31	*****	0.42	24	
WYNONA	9792	3	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.243	31	*****	0.91	12	

AUGUST 2001 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

NAME	ID	CD	MEAN	NUM	DEV		MIN	DAY	TEMP	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV	MAX	DAY
			TEMP		OBS	FROM					MAX	DEG	FROM	DEG			FROM		
CANTON DAM	1445	4	82.9	31	2.7	103	10	64	31	0	0	556	85	2.890	31	0.48	1.40	24	
CLINTON	1909	4	83.4	31	1.0	104	6	64	28	0	0	569	30	1.941	31	-1.23	0.78	26	
COLONY	2039	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.541	31	*****	0.69	26	
CORDELL	2125	4	83.2	31	1.7	104	6	65	29	0	0	563	51	1.232	31	-1.85	0.60	26	
ELK CITY	2849	4	81.8	31	1.7	103	7	64	30	0	0	522	54	1.110	31	-1.77	0.36	26	
ERICK	2944	4	82.3	31	2.2	105	6	64	30	0	0	536	68	1.811	31	-0.70	0.67	18	
GEARY	3497	4	83.4	27	*****	102	9	63	31	0	*****	497	*****	1.120	29	*****	0.53	26	
HAMMON	3871	4	80.9	29	*****	100	10	60	18	0	*****	461	*****	1.320	29	*****	0.44	18	
LEEDEY	5090	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.820	31	-0.73	0.73	13	
MACKIE	5463	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.620	31	*****	0.42	18	
MORAVIA	6035	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.740	31	0.23	0.86	18	
KEENE	6629	4	85.1	31	3.2	105	10	65	31	0	0	623	99	2.311	31	-0.42	1.93	24	
RETROP	7565	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.030	31	*****	0.65	15	
REYDON	7579	4	81.0	25	*****	100	7	63	29	0	*****	400	*****	2.380	25	*****	1.33	17	
SAYRE	7952	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.470	31	0.05	1.25	18	
SWEETWATER	8652	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.550	31	*****	0.32	26	
TALOGA	8708	4	82.3	31	2.0	104	6	62	31	0	0	536	62	1.800	31	-0.63	1.01	24	
THOMAS	8815	4	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.480	31	*****	0.23	10	
WATONGA	9364	4	83.2	31	2.3	102	21	64	31	0	0	564	71	1.351	31	-0.94	0.61	25	
WEATHERFORD	9422	4	83.0	31	2.5	104	7	64	31	0	0	557	76	0.780	31	-2.06	0.29	18	

AUGUST 2001 SUMMARY FOR CENTRAL CLIMATE DIVISION (CD5)

NAME	ID	CD	MEAN	NUM	DEV		DAY	MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV	MAX	DAY
			TEMP		FROM	MAX				DEG	FROM	DEG	FROM			FROM		
AMBER	200	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.070	31	*****	1.70	18
BLANCHARD	830	5	84.1	31	2.3	104	9	67	29	0	0	592	71	2.271	31	-0.46	1.35	26
BRISTOW	1144	5	84.0	31	3.1	104	9	65	19	0	0	589	96	1.760	31	-0.90	1.00	16
CHANDLER	1684	5	83.0	31	1.6	101	26	66	26	0	0	559	51	3.870	31	1.25	2.05	26
COX CITY	2196	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.580	31	*****	0.98	26
CUSHING	2318	5	84.8	31	4.1	103	6	68	19	0	0	613	126	0.862	31	-1.87	0.60	13
EDMOND	2788	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.680	31	*****	1.05	17
EL RENO	2818	5	84.4	31	3.5	103	10	68	31	0	0	600	107	1.860	31	-0.93	1.25	26
GUTHRIE	3821	5	83.5	31	1.3	105	10	66	31	0	0	572	39	3.630	31	1.36	1.56	16
HENNESSEY	4055	5	83.6	31	2.0	106	9	64	31	0	0	577	62	0.800	31	-2.06	0.73	23
INGALLS	4489	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.220	31	*****	0.46	16
KINGFISHER	4861	5	83.9	31	2.0	103	10	67	31	0	0	587	63	1.990	31	-0.71	1.49	26
KONAWA	4915	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.060	31	0.07	0.98	12
NORMAN NWS	6386	5	82.9	31	1.7	101	9	67	25	0	0	554	52	2.651	31	-0.21	1.22	25
MARSHALL	5589	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.030	31	-1.54	0.82	24
MEEKER	5779	5	82.6	31	1.3	101	6	65	15	0	0	547	42	1.320	31	-1.14	0.96	26
MULHALL	6110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.830	31	*****	0.90	18
OKEMAH	6638	5	83.4	31	2.5	103	9	67	29	0	0	572	79	2.640	31	0.00	1.43	11
OKLAHOMA CTY F.	6659	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.956	31	*****	1.43	26
OKLAHOMA CTY	6661	5	82.9	31	1.8	101	9	66	29	0	0	554	55	1.956	31	-0.64	1.23	25
PERKINS	7003	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.980	31	-1.56	0.54	13
PIEDMONT	7068	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.900	31	*****	1.77	26
PRAGUE	7264	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.882	31	-0.55	1.10	16
PURCELL	7327	5	84.0	31	2.1	102	10	67	29	0	0	591	67	2.050	31	-0.64	1.10	12
SEMINOLE	8042	5	84.0	30	1.4	103	6	67	26	0	0	571	25	0.162	30	*****	0.11	18
SHAWNEE	8110	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.321	31	-0.18	1.03	11
STELLA	8479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.620	31	*****	1.40	26
STILLWATER	8501	5	83.7	31	3.4	103	10	66	14	0	0	581	107	1.650	31	-1.11	0.83	16
STROUD	8563	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.971	31	*****	1.08	16
TECUMSEH	8751	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.660	31	*****	1.66	26
UNION CITY	9086	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.843	31	2.96	2.08	26
WANETTE	9291	5	82.5	30	*****	102	10	64	30	0	*****	526	*****	2.160	30	*****	1.07	16
WELTY	9479	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.300	31	*****	1.40	16
WEWOKA	9575	5	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.871	31	-1.90	0.30	16

AUGUST 2001 SUMMARY FOR EAST CENTRAL CLIMATE DIVISION (CD6)

NAME	ID	CD	MEAN	NUM	DEV		DAY	MIN	DAY	HEAT	DEV	COOL	DEV	TOT	NUM	DEV	MAX	DAY
			TEMP		FROM	MAX				DEG	FROM	DEG	FROM			FROM		
ASHLAND	364	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.541	31	*****	1.30	16
CALVIN	1391	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.050	31	-0.36	1.10	16
CHECOTAH	1711	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.741	31	-0.10	0.79	12
CLAYTON	1858	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.650	31	*****	1.92	16
DEWAR	2485	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	7.250	31	4.74	4.75	13
DUSTIN	2690	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.420	31	*****	1.21	16
EUFULA	2993	6	84.9	30	2.7	104	9	70	31	0	0	597	64	3.830	31	1.24	1.90	16
HANNA	3884	6	82.1	31	1.1	101	10	65	29	0	0	532	36	5.161	31	2.60	2.80	12
HOLDENVILLE	4235	6	84.7	31	3.2	106	23	66	31	0	0	610	98	0.561	31	-1.96	0.31	25
LYONS	5437	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.820	31	-0.34	0.83	16
MCALESTER	5664	6	83.5	31	2.2	102	10	66	29	0	0	574	69	1.494	31	-1.56	0.84	15
MCCURTAIN	5693	6	84.7	31	3.3	103	9	67	26	0	0	612	104	4.502	31	1.59	2.00	26
MUSKOGEE	6130	6	83.5	31	2.4	104	9	67	14	0	0	574	75	3.481	31	0.64	1.59	15
OKMULGEE	6670	6	85.3	31	5.7	103	9	70	29	0	0	630	177	4.230	31	1.54	1.48	12
OKTAHA	6678	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.510	31	*****	1.72	16
SALLISAW	7862	6	83.0	31	2.0	100	11	69	28	0	0	559	63	3.150	31	-0.24	1.00	16
SCPIO	7979	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.660	31	*****	1.44	16
SHORT	8170	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.830	31	*****	1.30	26
TAHLEQUAH	8677	6	81.1	31	1.3	100	9	63	19	0	0	499	40	3.920	31	0.21	2.20	16
WEBBERS FALL	9445	6	83.1	27	*****	108	10	66	14	0	*****	488	*****	3.610	27	*****	1.12	16
WETUMKA	9571	6	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.813	31	-0.78	0.70	11

AUGUST 2001 SUMMARY FOR SOUTHWEST CLIMATE DIVISION (CD7)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP										FROM NORM	MAX 24-HR	
ALTUS	179	7	82.6	31	-0.2	104	6	65	18	0	0	545	-7	4.530	31	2.08	1.57	18
ALTUS DAM	184	7	84.8	31	2.3	105	6	67	18	0	0	613	70	4.420	31	2.03	1.11	12
ANADARKO	224	7	81.6	31	0.2	101	6	65	29	0	0	515	7	3.730	31	1.37	2.69	12
APACHE	260	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.550	31	2.12	1.45	26
ALTUS AFB	447	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.762	30	*****	0.46	11
CARNEGIE	1504	7	82.3	31	0.5	103	10	66	29	0	0	536	15	4.503	31	2.18	1.90	10
CHATTANOOGA	1706	7	84.4	31	1.3	105	6	67	29	0	0	600	39	1.510	31	-1.17	0.77	18
DUNCAN 11 W	2668	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.291	31	*****	1.73	26
FREDERICK	3353	7	83.4	30	0.4	103	5	66	28	0	0	553	-6	2.800	31	0.09	1.55	17
HEADRICK	3998	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.050	31	*****	1.65	26
HOBART	4204	7	82.9	30	0.9	104	7	66	30	0	0	539	12	2.076	30	*****	0.67	26
HOLLIS	4249	7	82.5	31	0.2	105	5	63	18	0	0	541	5	4.100	31	1.66	1.93	26
LAWTON	5063	7	84.2	31	1.9	103	6	66	18	0	0	595	59	5.320	31	3.11	2.50	18
LOOKEBA	5329	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.401	31	-1.18	1.30	26
MANGUM	5509	7	81.9	31	-0.7	104	7	63	31	0	0	524	-22	4.090	31	1.81	1.40	12
RANDLETT	7403	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.373	31	*****	1.78	18
ROOSEVELT	7727	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.440	31	2.06	1.94	14
SEDAN	8016	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.420	31	*****	3.73	13
SNYDER	8299	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.540	31	0.03	0.54	23
VINSON	9212	7	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.200	31	1.91	2.15	26
WALTERS	9278	7	84.9	31	1.7	106	6	67	29	0	0	616	52	0.260	31	-2.42	0.18	17
WICHITA MT	9629	7	83.5	28	*****	106	7	66	30	0	*****	517	*****	4.282	31	2.12	1.45	23

AUGUST 2001 SUMMARY FOR SOUTH CENTRAL CLIMATE DIVISION (CD8)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP										FROM NORM	MAX 24-HR	
ALLEN	147	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.570	31	*****	1.30	19
ARDMORE	292	8	84.9	31	1.5	103	5	69	31	0	0	618	48	2.240	31	-0.29	0.79	11
ATOKA	391	8	83.2	30	*****	104	11	65	15	0	*****	546	*****	3.390	31	*****	2.50	16
BOKCHITO	917	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.500	31	*****	4.00	27
CANEY	1437	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.370	31	*****	1.83	16
CENTRAHOMA	1648	8	83.5	31	*****	104	11	65	29	0	*****	574	*****	1.400	31	*****	0.85	16
CHICKASAW	1745	8	83.7	29	*****	102	10	65	29	0	*****	542	*****	0.450	29	*****	0.20	16
COMANCHE	2054	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.250	31	0.50	1.55	17
DAISY	2354	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	1.810	31	-1.39	1.30	17
DUNCAN	2660	8	83.8	30	1.7	102	6	66	18	0	0	564	34	2.900	31	0.47	1.39	18
DURANT	2678	8	83.2	31	1.7	102	10	65	14	0	0	563	51	2.640	31	0.03	1.28	17
ELMORE CITY	2872	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.220	31	*****	0.14	11
GRADY	3688	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.420	31	*****	1.30	17
HEALDTON	4001	8	83.6	31	1.4	104	6	65	29	0	0	576	43	1.930	31	-0.51	1.68	18
HENNEPIN	4052	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.230	31	*****	0.08	27
KETCHUM RAN	4780	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.840	31	*****	0.64	26
KINGSTON	4865	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	5.200	31	2.60	3.50	18
LEHIGH	5108	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.553	31	*****	0.45	15
LINDSAY	5216	8	83.5	31	1.9	104	5	63	18	0	0	574	59	1.160	31	-1.27	0.44	22
LOCO	5247	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.600	31	*****	0.41	17
MADILL	5468	8	84.7	30	1.9	104	11	69	28	0	0	592	40	2.310	30	*****	1.46	18
MARIETTA 5 SW	5563	8	82.4	31	-0.2	103	11	65	5	0	0	538	-8	1.770	31	-0.90	0.86	16
MCGEE CREEK	5713	8	83.8	31	*****	104	11	67	27	0	*****	582	*****	3.841	31	*****	2.40	27
PAULS VALLEY	6926	8	83.7	31	1.3	105	6	62	7	0	0	579	40	0.491	31	-1.71	0.16	10
PONTOTOC	7214	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.940	31	-1.79	0.79	15
TISHOMINGO	8884	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.040	31	-0.59	1.00	15
TUSSY	9032	8	*****	0	*****	****	0	****	0	*****	*****	*****	*****	0.000	31	*****	0.00	31
WAURIKA	9395	8	84.7	31	1.4	106	5	67	18	0	0	610	43	2.533	31	-0.12	1.43	17

AUGUST 2001 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

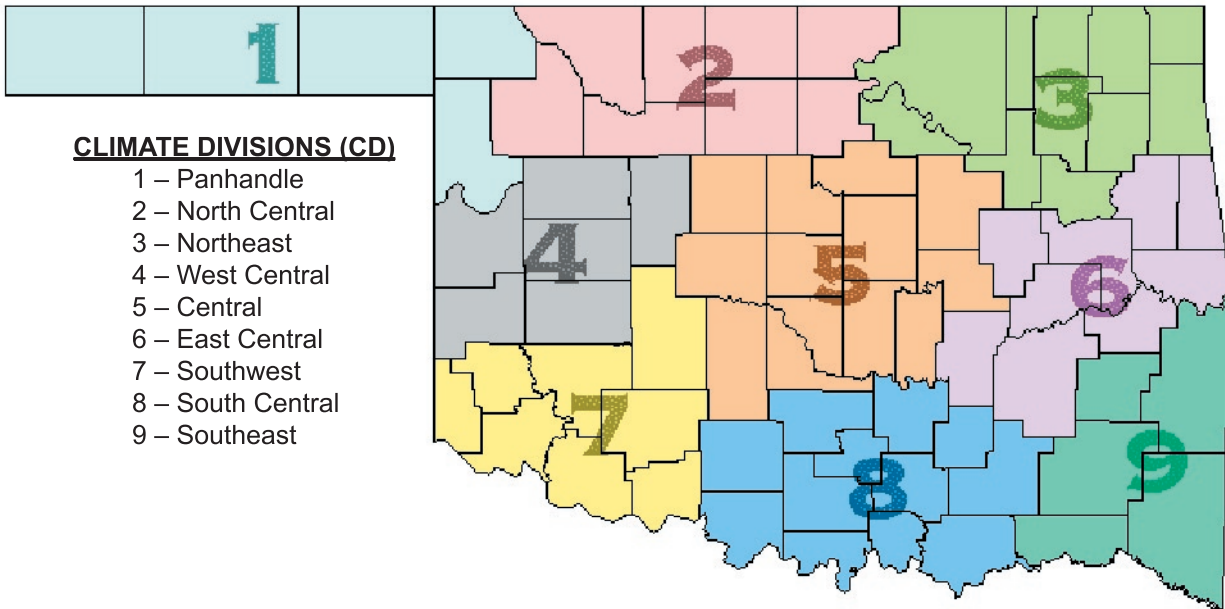
NAME	ID	CD	MEAN TEMP	NUM OBS	FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	DEG DAY	FROM NORM	DEG DAY	FROM NORM	TOT PPT	NUM OBS	FROM NORM	MAX 24-HR	DAY
ANTLERS	256	9	79.7	15	*****	97	26	65	28	0	*****	220	*****	1.040	15	*****	0.50	27
BATTIEST	567	9	78.7	31	*****	98	11	62	14	0	*****	425	*****	3.550	31	*****	1.42	16
BENGAL	670	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.290	31	*****	1.10	26
BROKEN BOW	1162	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.650	31	1.72	1.34	16
CARTER TWR	1544	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.670	31	0.02	1.70	11
FANSHAWE	3065	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	3.820	31	0.76	1.61	11
IDABEL	4451	9	83.8	31	3.3	102	5	70	27	0	0	583	102	5.040	31	2.48	2.11	22
PAGE	6842	9	81.4	26	*****	100	10	62	14	0	*****	426	*****	3.320	26	*****	1.86	11
POTEAU	7254	9	83.1	31	*****	103	9	66	13	0	*****	562	*****	3.010	31	*****	1.28	11
SMITHVILLE	8285	9	78.1	23	*****	97	10	62	14	0	*****	302	*****	4.393	31	1.06	1.36	15
SPIRO	8416	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	2.490	31	0.16	1.00	13
TUSKAHOMA	9023	9	83.3	31	2.2	106	10	65	14	0	0	567	68	4.511	31	1.21	1.53	16
VALLIANT	9118	9	*****	0	*****	****	0	****	0	*****	*****	*****	*****	4.700	31	2.24	1.65	16
WILBURTON	9634	9	82.6	31	2.2	106	9	60	26	0	0	545	68	4.710	31	1.61	1.55	17
WISTER	9724	9	81.4	14	*****	97	26	64	28	0	*****	229	*****	2.681	17	*****	1.06	11

AUGUST 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	80.2	6	2.0	107	5	55	15	0	0	468	59	1.630	8	-1.08	2.60	26
CLIMATE DIVISION 2	2	83.6	14	2.6	108	21	56	28	0	0	574	78	1.830	20	-1.20	3.45	24
CLIMATE DIVISION 3	3	83.4	11	3.2	105	9	58	19	0	0	570	98	1.650	19	-1.64	1.42	16
CLIMATE DIVISION 4	4	83.0	9	2.3	105	10	60	18	0	0	558	73	1.620	17	-1.01	1.93	24
CLIMATE DIVISION 5	5	83.6	16	2.3	106	9	64	30	0	0	574	68	2.160	32	-0.46	2.08	26
CLIMATE DIVISION 6	6	83.7	9	2.7	108	10	63	19	0	0	576	83	3.230	20	0.39	4.75	13
CLIMATE DIVISION 7	7	83.2	11	0.9	106	7	63	31	0	0	561	25	3.590	20	1.16	3.73	13
CLIMATE DIVISION 8	8	83.7	12	1.4	106	5	62	7	0	0	576	38	2.030	26	-0.54	4.00	27
CLIMATE DIVISION 9	9	82.3	5	1.9	106	9	60	26	0	0	536	60	3.990	12	1.04	2.11	22

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



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.

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.

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.

Heating Degree Days Calculation

NumDays

$$\sum_{i=1} \text{NumDays} \left(65 - \left(\frac{\text{TMAX}_i + \text{TMIN}_i}{2} \right) \right)$$

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

Cooling Degree Days Calculation

NumDays

$$\sum_{i=1} \text{NumDays} \left(\left(\frac{\text{TMAX}_i + \text{TMIN}_i}{2} \right) - 65 \right)$$

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

MESONET MONTHLY SUMMARY FOR AUGUST 2001

NAME	MEAN MAX		MIN		CDD	HDD	TOT MAX			NAME	MEAN MAX		MIN		CDD	HDD	TOT MAX				
	TEMP	TEMP	DAY	TEMP			DAY	PPT	24-HR		DAY	TEMP	TEMP	DAY			TEMP	DAY	PPT	24-HR	DAY
PANHANDLE																					
Arnett	81.0	101	5	62	27	0	495	3.37	2.42	25	Goodwell	78.5	101	5	57	28	0	420	*****	*****	**
Beaver	81.8	105	20	58	27	0	520	1.33	1.09	23	Hooker	80.2	105	5	56	27	0	471	0.49	0.19	22
Boise City	76.0	100	6	55	27	0	342	2.00	0.83	10	Kenton	76.1	99	5	54	26	0	344	1.46	0.74	31
Buffalo	82.8	105	20	62	28	0	551	0.98	0.47	11	Slapout	81.0	103	1	60	19	0	496	1.80	0.67	30
NORTH CENTRAL																					
Alva	84.0	108	20	62	27	0	588	1.51	1.08	30	May Ranch	82.5	105	1	62	19	0	543	2.27	1.06	11
Blackwell	83.7	106	9	62	19	0	579	2.13	1.53	30	Medford	83.8	105	9	63	27	0	584	1.86	0.88	11
Breckenridge	83.8	105	9	63	27	0	584	0.87	0.24	11	Newkirk	83.6	104	9	64	27	0	576	0.75	0.30	17
Cherokee	84.3	108	20	64	27	0	598	1.12	0.61	30	Red Rock	83.4	105	9	62	19	0	571	2.07	0.58	26
Fairview	84.1	105	20	65	14	0	592	2.95	2.69	23	Seiling	82.8	105	20	62	14	0	551	2.34	1.51	25
Freedom	82.7	105	1	59	24	0	549	3.75	2.12	11	Woodward	82.6	104	20	62	31	0	547	1.44	0.76	24
Lahoma	****	***	**	***	**	****	****	*****	2.85	23											
NORTHEAST																					
Bixby	82.9	104	9	66	14	0	553	1.89	0.73	15	Nowata	82.2	104	9	59	19	0	533	2.50	0.91	30
Burbank	83.3	105	9	62	16	0	568	1.02	0.84	17	Pawnee	83.8	104	9	64	19	0	581	0.77	0.35	15
Claremore	83.5	105	9	63	19	0	572	0.94	0.53	15	Porter	83.2	103	5	66	19	0	565	2.92	1.51	15
Copan	83.5	106	9	58	19	0	572	1.00	0.29	24	Pryor	81.9	102	5	60	19	0	524	3.06	1.46	11
Foraker	82.8	105	9	60	19	0	552	0.74	0.56	17	Skiatook	83.9	104	9	64	31	0	585	1.49	1.18	15
Jay	81.0	101	9	59	19	0	497	2.72	1.30	25	Vinita	80.2	102	9	57	19	0	471	2.81	0.67	30
Miami	80.5	100	9	58	19	0	479	2.08	1.06	12	Wynona	83.2	103	9	61	19	0	564	0.07	0.06	15
WEST CENTRAL																					
Bessie	84.1	104	5	64	29	0	593	0.74	0.51	26	Putnam	82.5	104	5	62	31	0	543	2.36	1.22	25
Butler	83.5	104	5	62	27	0	572	1.19	0.43	24	Retrop	82.6	103	5	65	18	0	545	3.36	1.65	15
Camargo	82.0	104	20	61	27	0	527	1.70	0.79	24	Watonga	83.1	102	5	63	31	0	560	1.40	0.96	24
Cheyenne	82.0	101	5	63	31	0	528	1.07	0.66	17	Weatherford	83.1	103	5	63	31	0	562	1.28	0.44	15
Erick	81.2	103	5	63	16	0	501	2.14	0.71	17											
CENTRAL																					
Acme	83.0	103	5	65	19	0	558	2.95	1.30	22	Minco	83.0	102	5	66	29	0	556	3.45	1.39	17
Bowlegs	82.7	103	5	66	29	0	549	2.97	1.28	11	Ninnekah	83.9	103	1	66	19	0	585	1.83	0.63	22
Bristow	82.2	103	9	64	19	0	533	2.06	1.10	15	Norman	83.0	103	9	66	19	0	556	3.83	1.85	10
Chandler	82.4	100	5	67	19	0	539	3.45	1.43	12	Oilton	82.9	103	5	62	14	0	553	2.08	0.89	15
Chickasha	82.8	103	5	65	19	0	552	3.39	2.10	12	Okemah	83.0	104	9	65	29	0	559	3.49	1.64	10
El Reno	81.7	103	5	61	14	0	516	3.36	2.37	25	Perkins	83.9	103	9	66	19	0	587	2.35	1.02	12
Guthrie	83.9	104	9	66	31	0	587	1.60	0.66	12	Shawnee	83.8	102	9	67	19	0	582	1.94	1.10	25
Kingfisher	84.3	105	9	66	31	0	597	1.94	0.87	25	Spencer	83.1	102	5	66	18	0	560	4.12	2.58	25
Marena	82.3	103	9	65	18	0	537	2.66	1.13	25	Stillwater	83.1	102	9	66	14	0	562	1.48	0.90	15
Marshall	84.1	105	9	66	17	0	592	2.31	1.64	23	Washington	83.4	103	5	66	29	0	569	3.49	1.33	12
EAST CENTRAL																					
Calvin	83.0	103	5	64	29	0	559	0.77	0.66	15	Sallisaw	82.4	100	9	67	14	0	539	3.62	1.22	15
Cookson	81.9	102	10	63	14	0	523	3.81	1.10	15	Stigler	81.9	101	5	65	28	0	525	3.60	1.32	12
Eufaula	83.2	102	9	68	19	0	565	5.15	2.10	12	Stuart	83.4	102	5	67	19	0	571	1.90	0.92	15
Haskell	83.1	103	9	67	14	0	560	2.50	1.32	15	Tahlequah	81.4	101	9	67	14	0	508	3.49	1.23	25
Hectorville	84.1	105	9	67	31	0	593	3.34	0.92	15	Webbers Falls	83.7	105	9	68	14	0	581	3.96	1.81	15
McAlester	83.5	102	5	66	29	0	573	1.50	0.90	15	Westville	81.2	101	9	66	18	0	501	4.54	1.83	10
Okmulgee	82.9	104	9	66	14	0	555	2.88	1.43	12											
SOUTHWEST																					
Altus	****	***	**	***	**	****	****	*****	1.38	17	Hollis	82.7	105	5	64	18	0	549	3.75	1.17	26
Apache	82.1	101	5	66	29	0	529	3.51	1.22	22	Mangum	81.9	104	5	65	19	0	522	3.63	0.99	12
Fort Cobb	81.7	102	5	66	19	0	518	3.36	1.29	12	Medicine Park	83.7	104	5	67	17	0	581	3.57	0.86	22
Grandfield	85.0	105	5	68	19	0	619	1.61	1.35	17	Tipton	83.8	105	9	67	17	0	582	2.74	1.35	17
Hinton	82.8	103	5	64	29	0	552	0.97	0.33	25	Walters	85.5	106	5	67	19	0	636	0.86	0.31	17
Hobart	82.3	103	5	66	29	0	535	5.10	2.48	13											
SOUTH CENTRAL																					
Ada	84.3	103	5	65	29	0	597	1.07	0.60	15	Lane	82.9	104	5	67	14	0	553	4.55	2.44	26
Ardmore	83.9	102	5	68	18	0	585	1.93	0.88	15	Madill	83.4	102	5	68	18	0	569	*****	*****	**
Bee	84.2	104	5	66	14	0	596	2.17	0.65	16	Pauls Valley	84.2	103	5	66	19	0	594	1.12	0.77	26
Burneyville	83.5	103	10	67	4	0	572	1.86	0.88	16	Ringling	84.5	104	5	68	18	0	605	1.01	0.56	17
Byars	83.2	100	5	67	29	0	563	2.08	1.52	17	Sulphur	83.7	102	5	65	29	0	578	1.97	1.04	15
Centrahoma	82.8	102	5	64	29	0	552	1.19	0.77	15	Tishomingo	82.6	103	5	64	15	0	545	1.36	0.91	15
Durant	83.7	102	5	69	26	0	579	4.49	1.70	26	Vanoss	****	***	**	***	**	****	****	*****	1.02	15
Ketchum Ranch	83.6	104	5	65	19	0	576	0.75	0.40	25	Waurika	84.8	106	5	68	17	0	615	2.40	1.19	17
SOUTHEAST																					
Antlers	81.3	103	5	62	15	0	506	2.32	0.85	26	Idabel	82.3	102	10	66	19	0	535	5.65	2.90	26
Broken Bow	81.0	102	10	65	14	0	495	4.83	1.20	16	Mt Herman	80.2	99	4	65	19	0	472	2.96	1.18	10
Clayton	83.2	104	5	65	14	0	564	3.74	1.83	15	Talihina	82.8	105	5	66	6	0	551	4.06	1.91	10
Cloudy	81.3	102	5	65	14	0	505	5.58	2.52	26	Wilburton	83.1	103	5	63	28	0	560	1.90	1.08	15
Hugo	82.7	101	5	67	28	0	550	3.51	0.99	15	Wister	82.9	103	5	65	6	0	553	1.89	0.61	12

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	107	1	BUFFALO	55	27	BOISE CITY	2.60	26	ARNETT	5.46	KENTON
		5	BUFFALO	55	28	BOISE CITY					
			55	29	BOISE CITY						
			55	15	GOODWELL						
2	108	2	ALVA	56	26	FT SUPPLY	3.45	24	LAHOMA	6.06	LAHOMA
	108	10	ALVA	56	31	FT SUPPLY					
	108	21	ALVA	56	28	NEWKIRK					
3	105	9	BARTLESVILLE	58	19	BARTLESVILLE	1.42	16	WAGONER	3.37	UPPER SPAV
4	105	6	ERICK	60	18	HAMMON	1.93	24	OKEENE	2.89	CANTON DAM
	105	5	OKEENE								
	105	6	OKEENE								
	105	9	OKEENE								
	105	10	OKEENE								
5	106	9	HENNESSEY	64	30	HENNESSEY	2.08	26	UNION CITY	5.84	UNION CITY
				64	31	HENNESSEY					
				64	29	WANETTE					
				64	30	WANETTE					
6	108	10	WEBBERS FALL	63	19	TAHLEQUAH	4.75	13	DEWAR	7.25	DEWAR
7	106	6	WALTERS	63	18	HOLLIS	3.73	13	SEDAN	5.42	SEDAN
	106	7	WICHITA MT	63	31	MANGUM					
8	106	5	WAURIKA	62	7	PAULS VALLEY	4.00	27	BOKCHITO	5.50	BOKCHITO
9	106	10	TUSKAHOMA	60	26	WILBURTON	2.11	22	IDABEL	5.04	IDABEL
	106	9	WILBURTON								

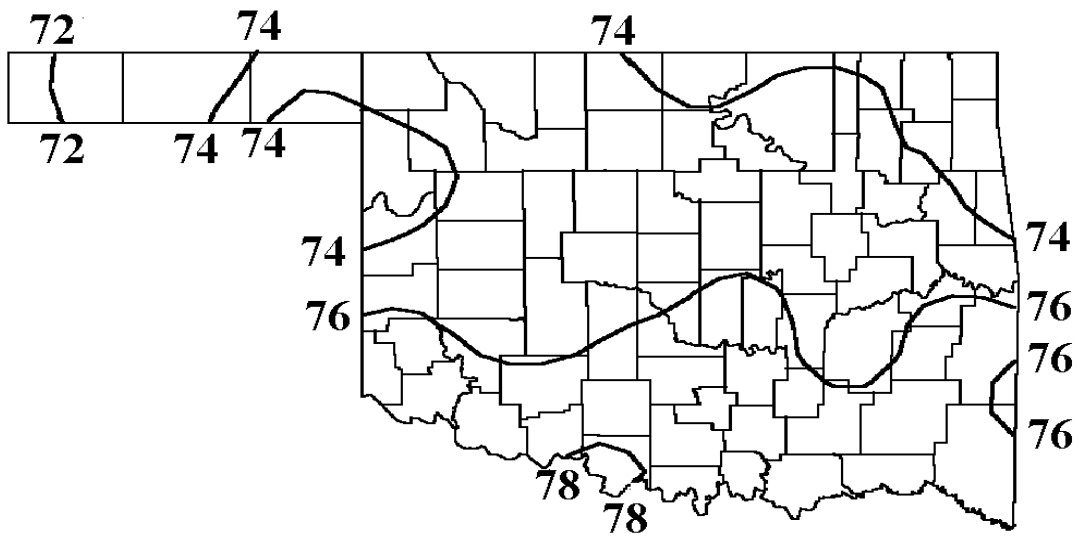
TABLE OF 2000/2001 COMPARISONS

Station	AUGUST Temperature (°F)		AUGUST Precipitation (in.)	
	2000	2001	2000	2001
Arnett	82.0	79.7	0.16	3.26
Enid	88.0	85.6	0.06	0.90
Tulsa	86.7	85.1	0.01	2.26
Elk City	84.5	81.8	0.00	1.11
Oklahoma City	85.4	82.9	0.00	1.96
McAlester	86.4	83.5	0.01	1.50
Altus Irr Station	86.8	82.6	0.01	4.53
Ardmore	88.6	84.9	0.00	2.24
Idabel	86.0	83.8	0.65	5.04

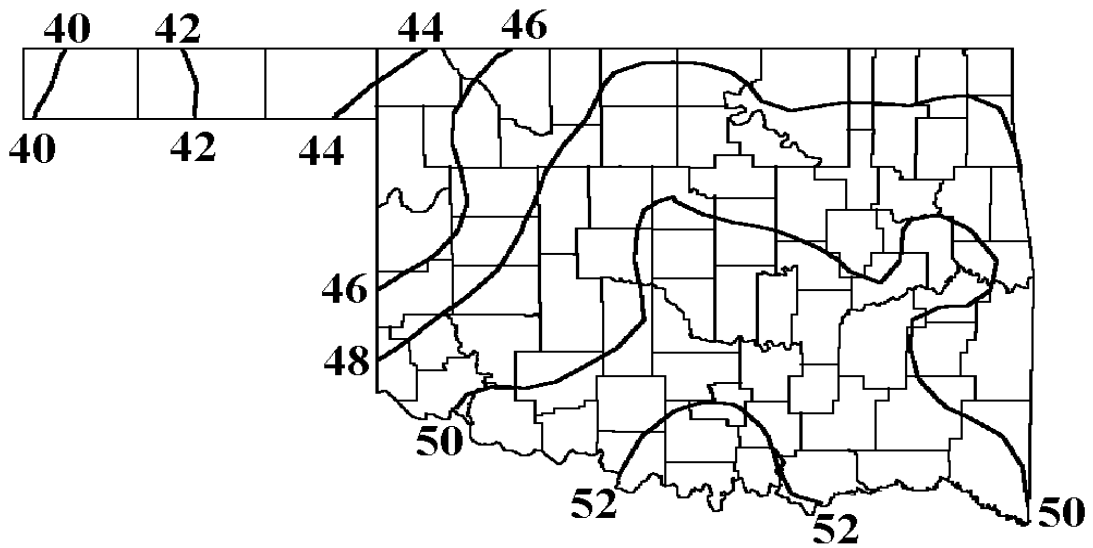
AUGUST 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Boise City	1	55	27
	Boise City	1	55	28
	Boise City	1	55	29
	Goodwell	1	55	15
Maximum temperature (°F)	Alva	2	108	2
	Alva	2	108	10
	Alva	2	108	21
	Webbers Falls	6	108	10
Maximum 24-hour Precipitation	Dewar	6	4.75	13

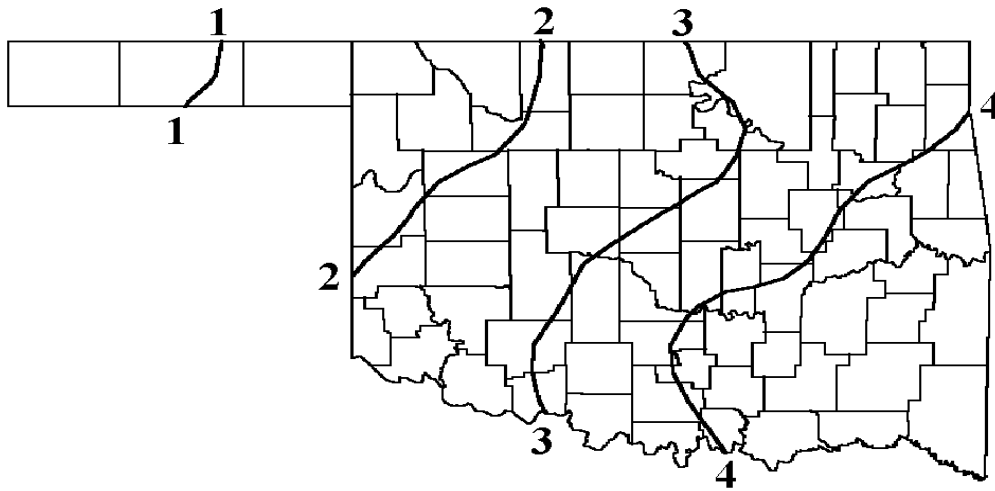
OCTOBER NORMAL DAILY MAXIMUM TEMPERATURE (°F)



OCTOBER NORMAL DAILY MINIMUM TEMPERATURE (°F)



OCTOBER NORMAL MONTHLY PRECIPITATION (INCHES)



OCTOBER TORNADO STATISTICS

The most tornadoes reported in **OCTOBER** for Oklahoma was (27) in 1998.

The average number of tornadoes in **OCTOBER** for Oklahoma is (1.9).

OUTLOOK FOR OCTOBER 2001 THROUGH DECEMBER 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

Temperature: Below normal in northern part of state
Near normal in rest of state

Precipitation: Above normal in central and eastern part of state
Near normal in western part of state

OKLAHOMA CITY CLIMATE CALENDAR

OCTOBER

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	68	79		97	1938	61	1985	56		74	1911	38	1958	0.13		2.28	1959
2	67	79		96	1951	57	1902	56		73	1911	41	1975	0.12		4.52	1955
3	67	78		97	1898	56	1959	56		73	1954	40	1975	0.12		1.59	1981
4	67	78		96	1931	51	1902	55		75	1911	40	1891	0.12		2.22	1955
5	66	78		95	1947	53	1988	55		69	1981	38	1932	0.12		1.74	1970
6	66	77		94	1939	55	1891	54		72	1931	40	1976	0.12		1.38	1989
7	66	77		94	1979	50	1976	54		73	1939	32	1952	0.12		1.41	1967
8	65	77		94	1979	50	1970	54		71	1949	35	1976	0.12		0.90	1978
9	65	76		96	1965	52	1909	53		72	1949	34	1892	0.11		2.09	1961
10	64	76		95	1965	49	1985	53		71	1973	35	1979	0.11		0.94	1985
11	64	76		94	1979	51	1987	52		69	1962	35	1896	0.11		1.88	1981
12	64	75		94	1978	47	1986	52		70	1928	34	1987	0.11		2.45	1923
13	64	75		90	1963	52	1969	52		72	1899	36	1893	0.11		1.44	1923
14	63	75		91	1950	47	1923	51		70	1899	32	1969	0.11		2.45	1956
15	62	74		92	1962	54	1914	51		68	1988	38	1974	0.11		1.46	1953
16	62	74		95	1917	54	1941	50		67	1965	31	1977	0.10		1.08	1981
17	62	74		96	1972	51	1925	50		68	1934	33	1976	0.10		1.43	1942
18	61	73		91	1932	50	1989	50		67	1934	33	1898	0.10		2.34	1960
19	61	73		92	1894	46	1925	49		69	1979	25	1917	0.10		4.98	1983
20	61	72		93	1979	42	1910	49		72	1979	26	1976	0.10		5.45	1983
21	60	72		90	1978	46	1930	48		66	1941	30	1917	0.10		3.70	1972
22	59	71		87	1939	42	1936	48		65	1941	31	1898	0.10		1.87	1953
23	59	71		89	1927	45	1895	48		67	1934	26	1917	0.09		1.58	1920
24	59	71		88	1927	48	1949	47		68	1939	30	1995	0.09		1.44	1920
25	58	70		87	1939	43	1957	47		68	1939	29	1957	0.09		1.65	1899
26	58	70		92	1891	42	1936	46		71	1939	26	1957	0.09		3.76	1918
27	58	69		86	1922	43	1919	46		66	1940	22	1957	0.09		3.19	1984
28	57	69		89	1938	34	1925	46		65	1961	22	1925	0.09		1.38	1991
29	57	68		89	1950	34	1925	45		67	1961	22	1917	0.09		1.61	1941
30	56	68		87	1937	39	1993	45		67	1946	16	1917	0.08		2.84	1974
31	56	67		86	1938	36	1991	44		65	1982	16	1993	0.08		1.82	1972
MONTH	62	73.6		97	1938	34	1925	50.4		75	1911	16	1993	3.23		5.45	1983

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

TULSA CLIMATE CALENDAR

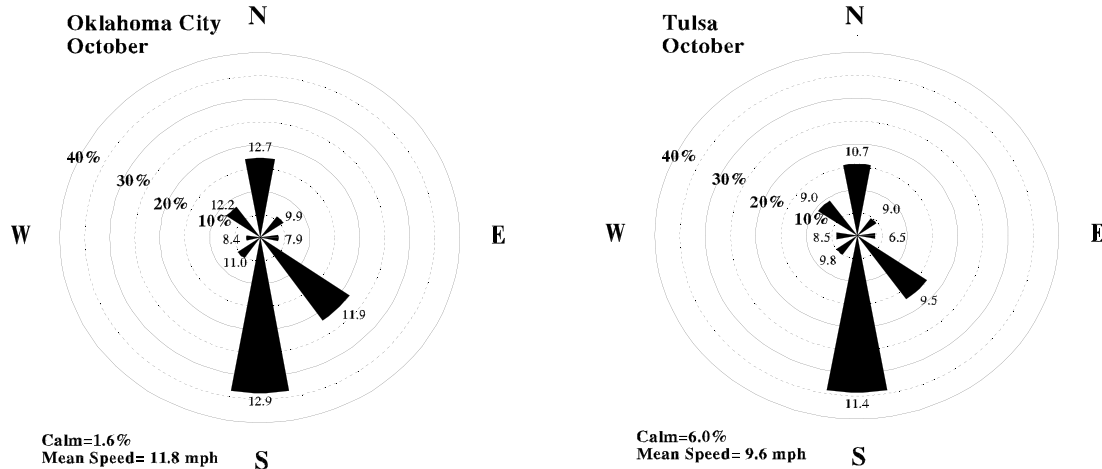
OCTOBER

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	68	79		97	1910	62	1985	57		71	1927	38	1985	0.14		2.95	1986
2	68	79		96	1978	59	1908	57		73	1954	39	1975	0.14		5.45	1959
3	67	78		95	1963	63	1959	56		74	1983	39	1987	0.14		1.74	1926
4	67	78		97	1931	58	1945	56		70	1954	39	1968	0.13		3.79	1941
5	66	78		95	1947	50	1988	55		73	1981	37	1964	0.13		4.80	1998
6	66	78		98	1939	57	1988	55		75	1941	35	1932	0.13		3.24	1951
7	66	77		98	1979	52	1988	54		75	1939	33	1952	0.13		2.07	1928
8	65	77		97	1979	54	2000	54		73	1939	30	2000	0.13		4.71	1936
9	65	77		97	1963	54	1993	53		70	1973	28	2000	0.12		0.98	1937
10	65	76		95	1963	57	1993	53		73	1913	30	1925	0.12		0.95	1929
11	64	76		94	1979	50	1987	53		71	1912	30	1906	0.12		2.20	1973
12	64	76		94	1978	49	1986	52		71	1962	32	1921	0.12		3.37	1969
13	63	75		92	1963	54	1986	52		71	1956	32	1917	0.12		3.50	1923
14	63	75		92	1963	50	1923	51		69	1968	34	1937	0.12		1.85	1984
15	63	74		91	1963	55	1943	51		69	1968	38	1966	0.11		2.12	1941
16	62	74		93	1917	57	1943	51		69	1965	32	1966	0.11		1.92	1923
17	61	73		90	1947	52	1966	50		73	1998	30	1976	0.11		1.32	1998
18	61	73		91	1932	51	1989	50		69	1938	29	1948	0.11		1.94	1960
19	61	73		89	1940	41	1916	49		73	1979	27	1917	0.11		1.73	1983
20	61	72		91	1979	47	1910	49		76	1979	30	1976	0.11		4.96	1971
21	60	72		92	1978	50	1930	49		66	1963	30	1917	0.11		2.98	1972
22	60	72		88	1963	44	1936	48		66	1941	31	1911	0.11		4.05	1920
23	60	71		92	1939	41	1908	48		70	1991	26	1937	0.11		2.40	1908
24	60	71		88	1921	50	1972	48		71	1939	24	1917	0.11		0.74	1920
25	59	70		91	1939	48	1957	47		71	1939	31	1925	0.11		1.53	1932
26	58	70		90	1950	40	1913	47		71	1939	27	1957	0.11		2.48	1919
27	58	69		88	1922	46	1936	46		64	1989	27	1957	0.11		2.23	1918
28	57	69		86	1922	43	1980	46		62	1998	23	1925	0.11		2.45	1974
29	57	69		90	1950	37	1925	46		66	1961	23	1913	0.11		2.08	1941
30	57	68		90	1937	41	1993	45		71	1946	15	1917	0.11		1.86	1941
31	56	68		87	1950	41	1991	45		68	1982	18	1993	0.11		3.12	1981
MONTH	62.2	73.774		98	1979	37	1925	50.742		76	1979	15	1917	0.12		5.45	1959

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

OCTOBER WIND ROSES



October Wind Roses for Oklahoma City and Tulsa. The frequency (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 direction in miles per hour.

OCTOBER SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

DATE	SUNRISE	SUNSET
10/1/01	6:25 AM	6:14 PM
10/2/01	6:26 AM	6:12 PM
10/3/01	6:27 AM	6:11 PM
10/4/01	6:28 AM	6:09 PM
10/5/01	6:28 AM	6:08 PM
10/6/01	6:29 AM	6:07 PM
10/7/01	6:30 AM	6:05 PM
10/8/01	6:31 AM	6:04 PM
10/9/01	6:32 AM	6:02 PM
10/10/01	6:32 AM	6:01 PM
10/11/01	6:33 AM	6:00 PM
10/12/01	6:34 AM	5:58 PM
10/13/01	6:35 AM	5:57 PM
10/14/01	6:36 AM	5:56 PM
10/15/01	6:37 AM	5:55 PM
10/16/01	6:38 AM	5:53 PM
10/17/01	6:38 AM	5:52 PM
10/18/01	6:39 AM	5:51 PM
10/19/01	6:40 AM	5:49 PM
10/20/01	6:41 AM	5:48 PM
10/21/01	6:42 AM	5:47 PM
10/22/01	6:43 AM	5:46 PM
10/23/01	6:44 AM	5:45 PM
10/24/01	6:45 AM	5:44 PM
10/25/01	6:46 AM	5:42 PM
10/26/01	6:46 AM	5:41 PM
10/27/01	6:47 AM	5:40 PM
10/28/01	6:48 AM	5:39 PM
10/29/01	6:49 AM	5:38 PM
10/30/01	6:50 AM	5:37 PM
10/31/01	6:51 AM	5:36 PM

TULSA

DATE	SUNRISE	SUNSET
10/1/01	6:19 AM	6:07 PM
10/2/01	6:20 AM	6:06 PM
10/3/01	6:21 AM	6:04 PM
10/4/01	6:21 AM	6:03 PM
10/5/01	6:22 AM	6:01 PM
10/6/01	6:23 AM	6:00 PM
10/7/01	6:24 AM	5:58 PM
10/8/01	6:25 AM	5:57 PM
10/9/01	6:26 AM	5:56 PM
10/10/01	6:26 AM	5:54 PM
10/11/01	6:27 AM	5:53 PM
10/12/01	6:28 AM	5:52 PM
10/13/01	6:29 AM	5:50 PM
10/14/01	6:30 AM	5:49 PM
10/15/01	6:31 AM	5:48 PM
10/16/01	6:32 AM	5:46 PM
10/17/01	6:33 AM	5:45 PM
10/18/01	6:34 AM	5:44 PM
10/19/01	6:34 AM	5:42 PM
10/20/01	6:35 AM	5:41 PM
10/21/01	6:36 AM	5:40 PM
10/22/01	6:37 AM	5:39 PM
10/23/01	6:38 AM	5:38 PM
10/24/01	6:39 AM	5:36 PM
10/25/01	6:40 AM	5:35 PM
10/26/01	6:41 AM	5:34 PM
10/27/01	6:42 AM	5:33 PM
10/28/01	6:43 AM	5:32 PM
10/29/01	6:44 AM	5:31 PM
10/30/01	6:45 AM	5:30 PM
10/31/01	6:46 AM	5:29 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

CONTACT INFORMATION



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