OKLAHOMA MONTHLY CLIMATE SUMMARY
MAY 2001

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Oklahoma Climatological Survey

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MONTHLY SUMMARY FOR MAY 2001

May 2001

Statewide average temperature = 69.1º F
Statewide average rainfall = 7.65 inches

May Normals

Statewide average temperature = 68.8º F
Statewide average rainfall = 4.86 inches

An abundance of severe thunderstorms provided Oklahoma with plenty of excitement and well-above-average precipitation during May. Statewide averaged precipitation during the month was 7.65 inches, 2.79 inches greater than normal for May, and was the 13th greatest May precipitation recorded for the state since 1892. Greater-than-normal precipitation fell in each of the state's nine climate divisions. Severe weather, including tornadoes, large hail, and high winds, was reported on 20 different dates during the month. Torrential rains led to localized flooding, most notably late in the month.

May's heavy precipitation continued the "on or off" pattern of precipitation experienced in the state so far this year. Spring precipitation (March, April, and May) averaged 10.46 inches across the state, 0.30 inches less than normal, 56th driest of the 110 years on record. Accumulated statewide-averaged precipitation through the first five months of the year, however, is 16.73, 2.98 inches greater than normal, making this the 24th wettest January-through-May on record.

The statewide-averaged temperature for the month was 69.1 degrees, 0.3 degree greater than normal and the 46th greatest May temperature on record. The spring seasonal average temperature of 59.7 degrees is 0.4 degrees less than normal and ranks 58th lowest among the springs in the state's recorded temperature history. The year-to-date average temperature of 51.2 degrees is 0.6 degree less than normal and ranks this as the 37th coolest January-May on record in Oklahoma.

According to preliminary information, 27 tornadoes, most of them small, were reported in the state on seven different dates. Wind speeds in excess of 50 miles per hour were recorded at 79 of the state's 114 Mesonet sites on 17 separate dates. Thunderstorm generated winds created several power outages as power poles were snapped and lines broken. Outages late in the month affected as many as 60,000 customers. Torrential rains late in the month produced significant flooding in several locales in central and eastern Oklahoma.

Six apparent tornadoes were reported on the evening of the 4th and early morning of the 5th. Small tornadoes were reported in Grady County near Chickasha and Amber, in Comanche County near Geronimo and Pumpkin Center, in Grandfield (Tillman County), and near Cordell (Washita). Woodward (Woodward) reported 5.26 inches of rain. Camargo and Leedey (both in Dewey County) reported 4.78 and 4.58 inches of rain, respectively. Street flooding was reported in Elk City (Beckham). The 6th was another active day with tornadoes being spotted near Noble (Cleveland), Woodford and Ardmore (both Carter), and in Marshall County. Wind damage was reported in Ada (Pontotoc), street flooding afflicted Norman (Cleveland), and two-and-three-quarter inch hail fell in Bryan County.

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Another sequence of stormy days encompassed the 17th through the morning of the 21st. On the 17th and the morning of the 18th, widespread incidents of hail and high winds were reported, including 73 miles per hour at both the Hobart (Kiowa) and Medicine Park (Comanche) Mesonet sites. Lightning ignited an oil field fire near Byng (Pontotoc). The Red Rock Mesonet site (Noble) recorded 5.24 inches of rain on the 18th. Tornadoes were reported near Reydon (Roger Mills), Erick (Beckham), and Altus (Jackson) on the 19th, accompanied by hail and high winds elsewhere. A tornado that struck Stigler (Haskell) on the 20th was one of 10 tornadoes reported in the state on that date. Other tornadoes were reported near Wetumka (Hughes), Dustin (Hughes), between Hanna and Stidham in McIntosh County, near Enterprise (Haskell), Pawhuska (Osage), Pryor (Mayes), Tupelo (Coal), Centrahoma (Coal), and near Spiro (LeFlore). Two-and-three quarter inch hail was reported in Pontotoc and Atoka counties. Mesonet stations at Stigler (Haskell) and Goodwell (Texas) recorded peak winds of 92 and 75 miles per hour, respectively. Daisy (Atoka) and Spiro (LeFlore) each reported 5.26 inches of rain on the 21st.

Powerful straight-line winds, four more tornadoes, localized flooding, and widespread hail afflicted the state from the 27th through early morning on the 30th. Mesonet wind reports on the 27th included: 93 miles per hour at Ardmore (Carter), 86 miles per hour at Camargo (Dewey), 85 miles per hour at Washington (McClain), 83 miles per hour at Putnam (Dewey), 81 miles per hour at Kingfisher (Kingfisher), and 80 miles per hour at Beaver (Beaver). Downed power lines created electrical outages in the Oklahoma City metropolitan area, affecting more than 60,000 homes and businesses. One tornado was reported in Alfalfa County on the 27th. Tornadoes were reported on the 29th: near Braman (Kay), Kiowa (Pittsburg), and Yanush (Latimer). Two weather-related deaths were reported: an elderly women died from a fall suffered when she slipped on the stairs of her storm cellar and a passenger on a motorcycle was struck and killed by a falling branch. Several areas around Grand Lake suffered power loss. Flooding was reported in Muskogee, Okmulgee, Wagoner, and Tulsa counties. Hectorville Mesonet site (Okmulgee) reported 5.40 inches of rain on the 29th. Conventional observing stations reporting daily rainfall totals in excess of five inches included: Perkins (Payne), 5.96 inches; Haskell (Muskogee), 5.94 inches, Cushing (Payne), 5.23 inches, and Oktaha (Muskogee), 5.09 inches, all reported on the 30th and Clayton (Pushmataha), 5.15 inches, reported on the 31st.

Howard L. Johnson
Associate State Climatologist

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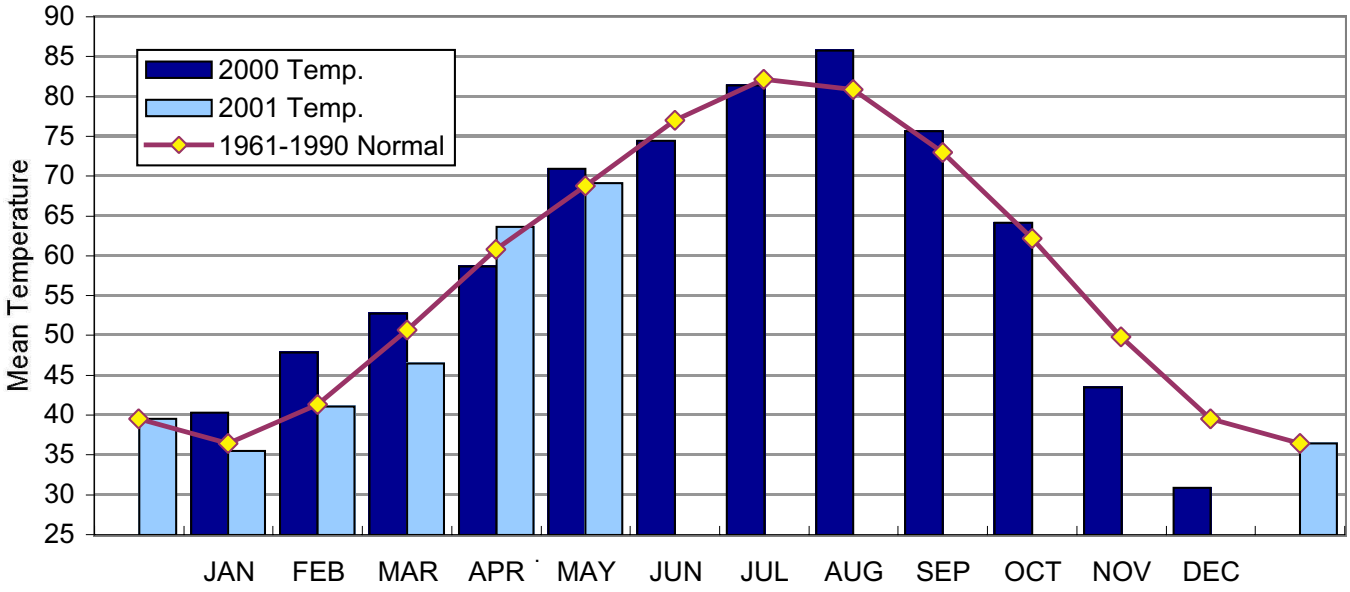
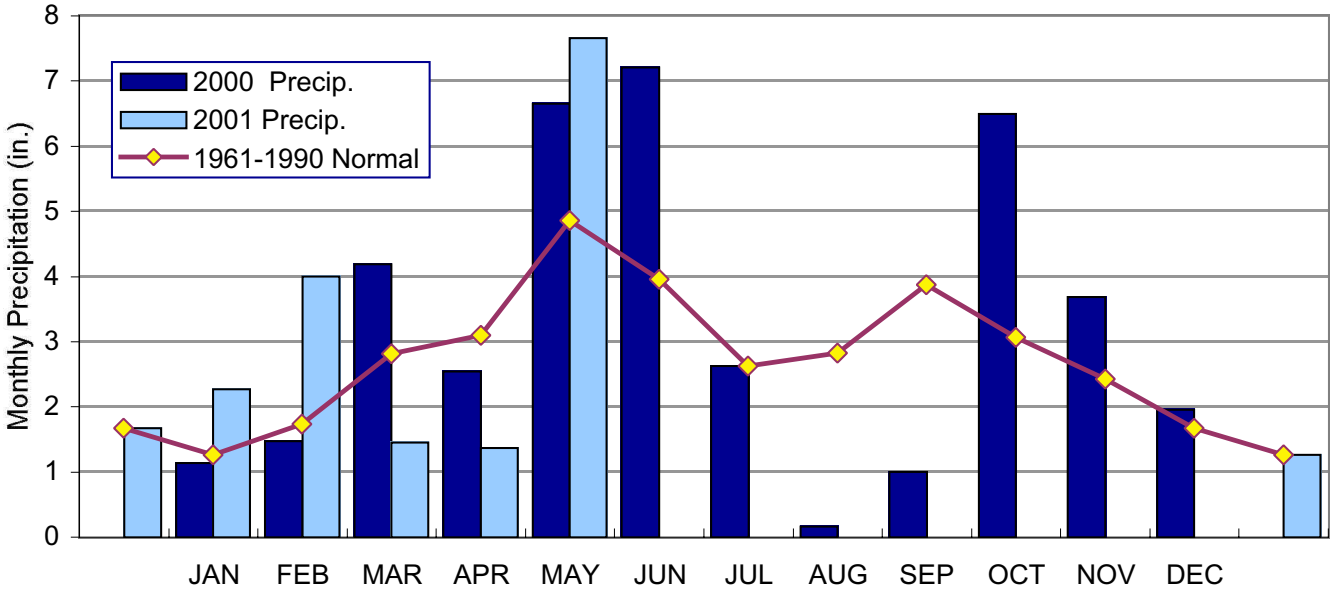
2000 AND 2001 STATEWIDE TEMPERATURES - MONTHLY AVERAGES



2000 AND 2001 STATEWIDE PRECIPITATION - MONTHLY TOTALS



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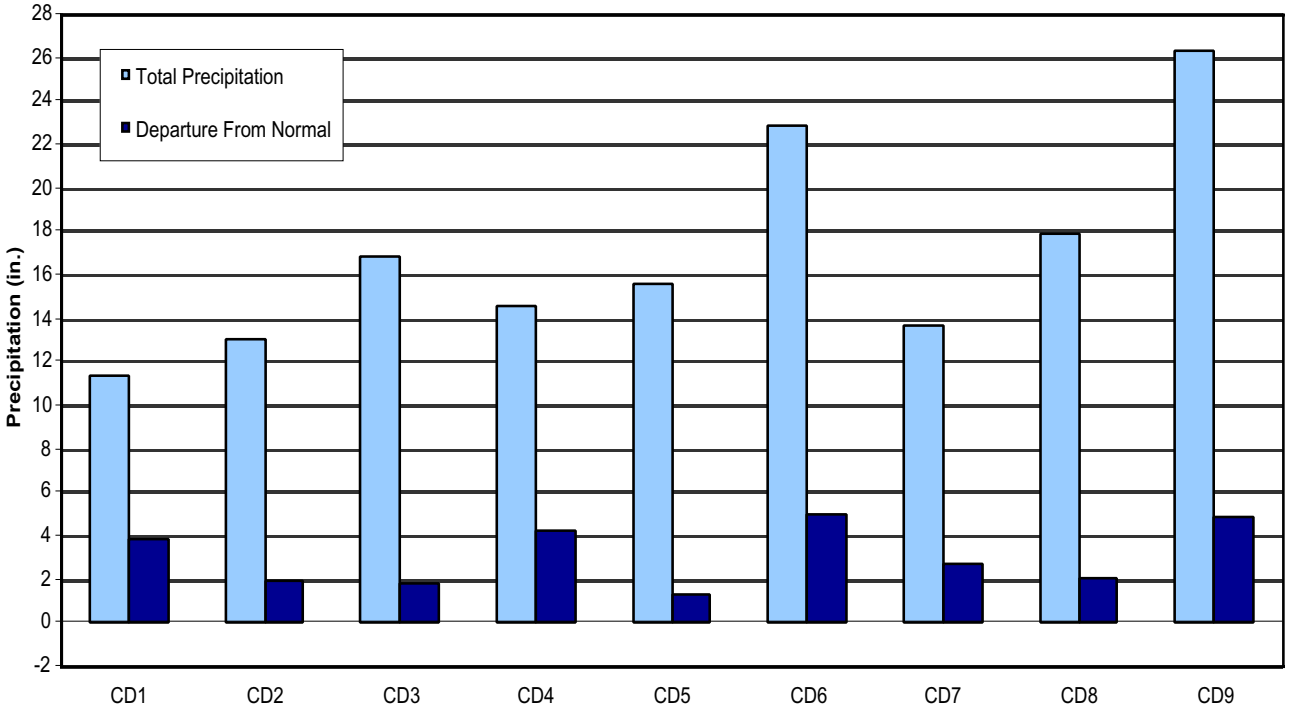
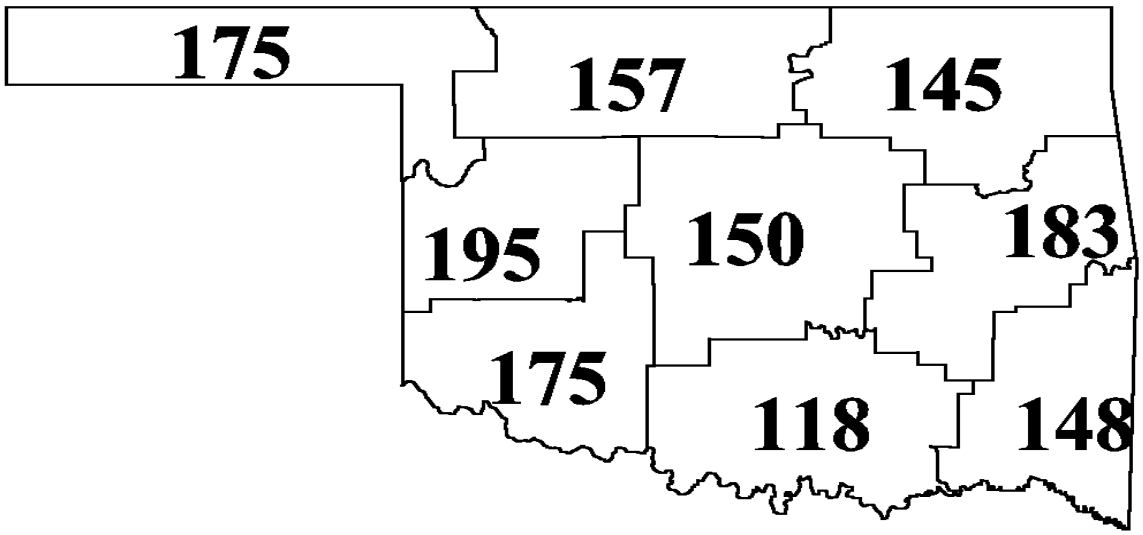
CLIMATE DIVISION AVERAGED PRECIPITATION - JANUARY THROUGH MAY 2001



CLIMATE DIVISION PERCENT OF NORMAL PRECIPITATION - MAY 2001



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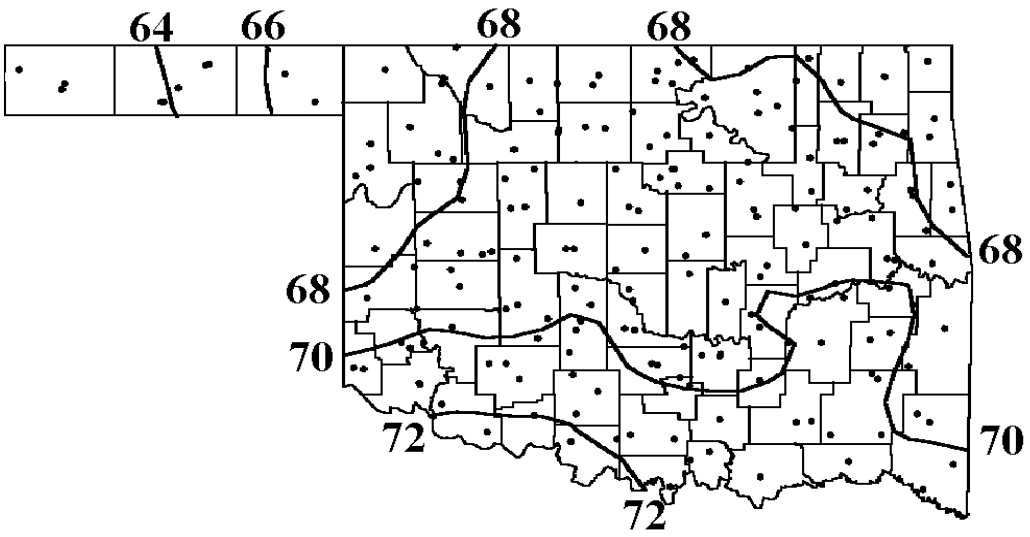
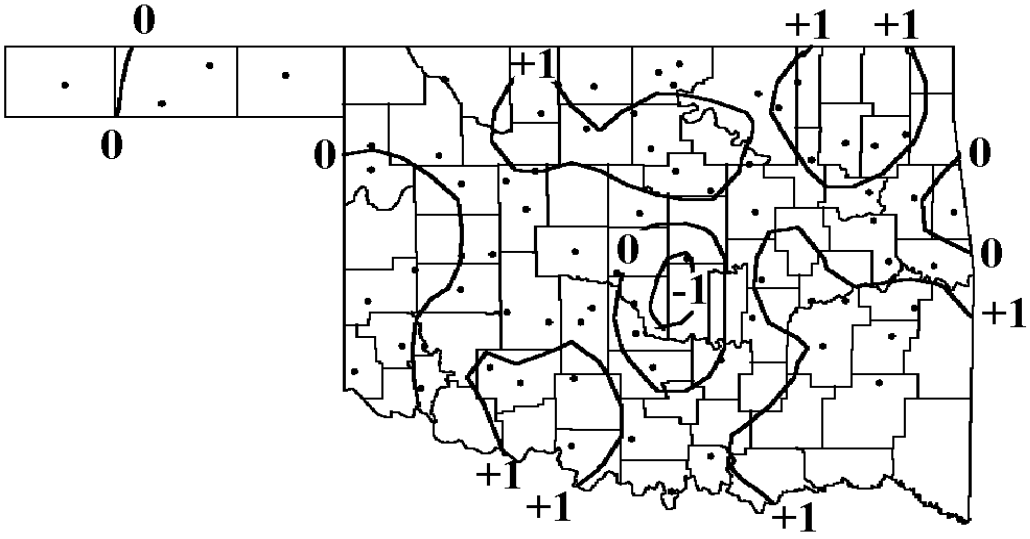
MAY 2001 AVERAGE MONTHLY TEMPERATURE (ºF)



MAY 2001 DEPARTURE FROM NORMAL TEMPERATURE (ºF)



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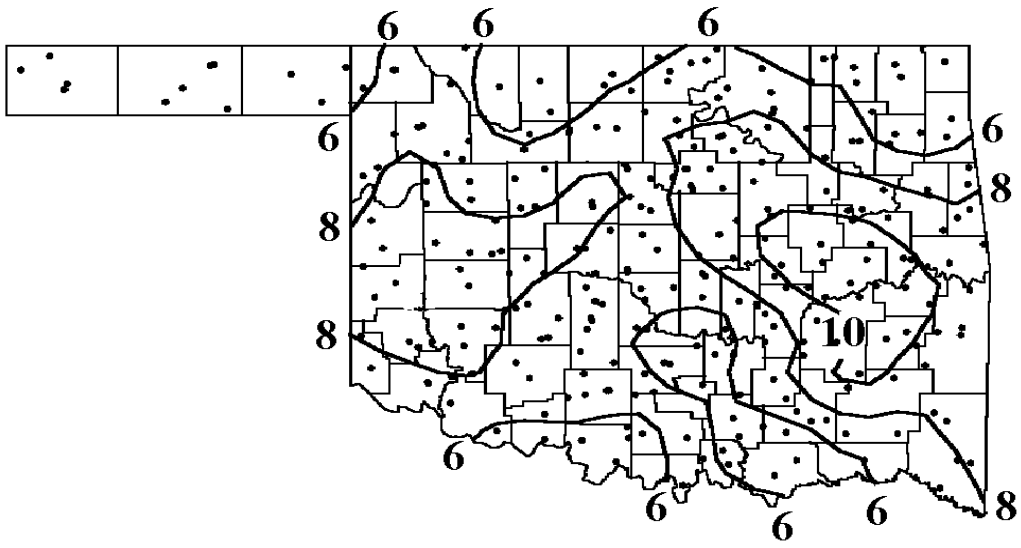
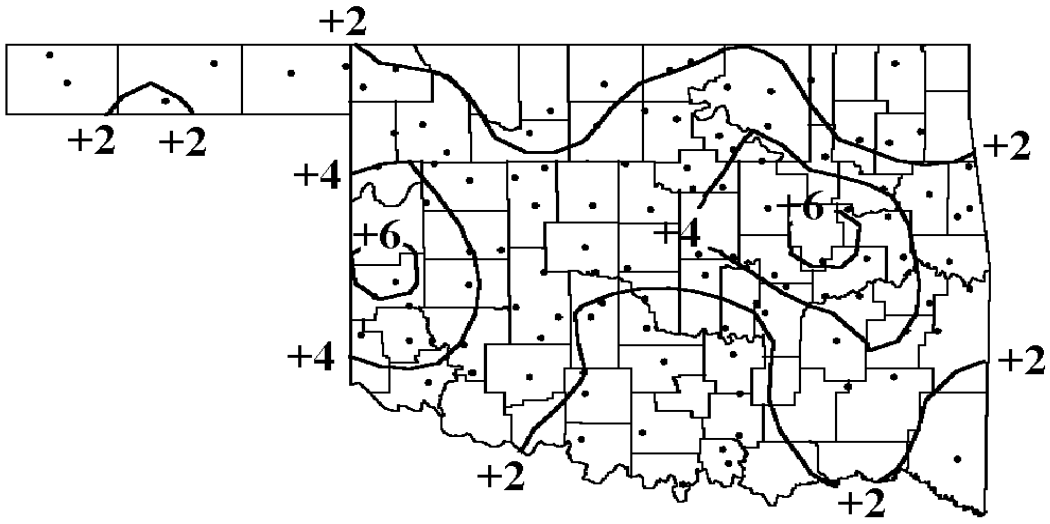
MAY 2001 TOTAL PRECIPITATION (INCHES)



MAY 2001 DEPARTURE FROM NORMAL PRECIPITATION (INCHES)



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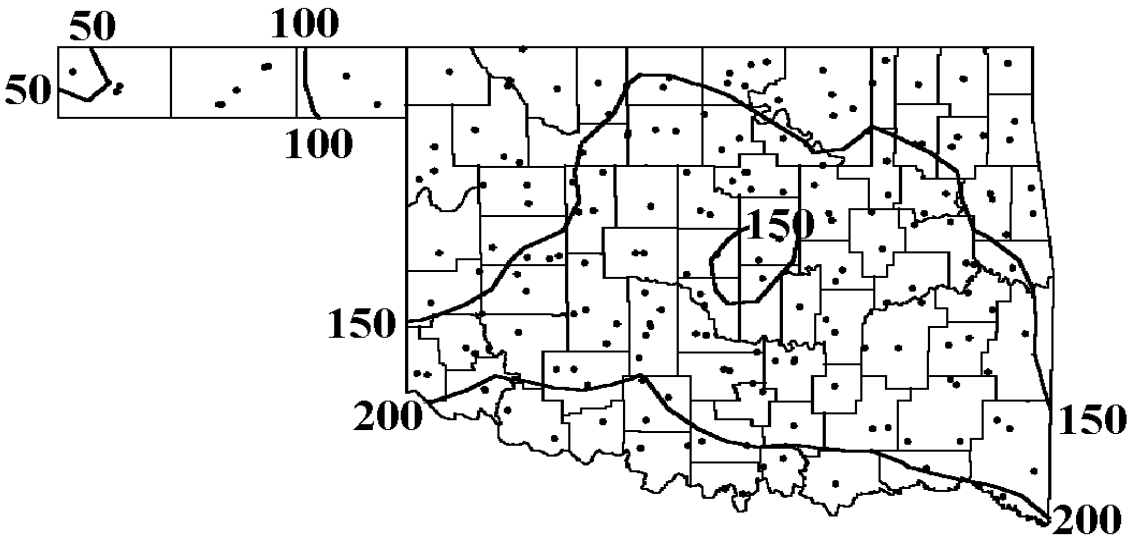
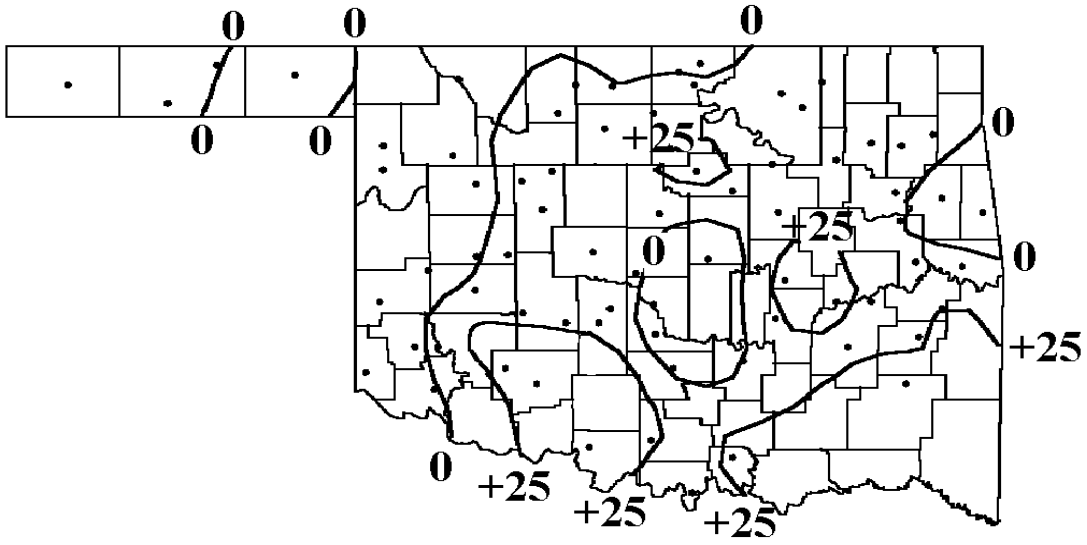
MAY 2001 ACCUMULATED COOLING DEGREE DAYS (ºF)



MAY 2001 DEPARTURE FROM NORMAL COOLING DEGREE DAYS (ºF)



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MAY 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	65.0	31	-0.7	90	17	40	22	79	-7	80	-28	7.851	31	3.72	2.15	4
BEAVER	593	1	66.1	31	1.2	94	17	40	26	76	-23	110	15	5.110	31	2.07	0.97	18
BOISE CITY	908	1	62.6	30	-0.7	93	1	36	25	120	-1	48	-21	5.331	31	2.75	1.00	20
BUFFALO	1243	1	*****	0 *	****	****	0	****	0	******	******	******	******	5.770	31	1.41	3.60	4
FARGO	3070	1	*****	0 *	****	****	0	****	0	******	******	******	******	7.981	31	4.29	2.44	4
GAGE	3407	1	67.3	30	0.2	92	17	39	25	54	-12	124	-9	4.065	30	*****	1.77	5
GATE	3489	1	66.2	26 *	****	93	17	43	25	65	******	95	******	5.821	31	2.79	1.65	5
GOODWELL	3628	1	63.8	31	0.6	95	17	39	21	111	-15	73	2	4.061	31	0.95	0.79	21
GUYMON	3835	1	64.1	31 *	****	94	17	39	22	108	******	80	******	4.550	31	*****	1.50	17
HOOKER	4298	1	65.5	30	0.4	96	16	40	21	77	-17	93	-4	6.522	31	3.56	1.95	18
KENTON	4766	1	63.2	26 *	****	92	16	37	21	87	******	40	******	5.973	30	*****	1.68	4
LAVERNE	5045	1	*****	0 *	****	****	0	****	0	******	******	******	******	4.910	31	1.62	1.04	4
RANGE	7412	1	*****	0 *	****	****	0	****	0	******	******	******	******	3.072	31	*****	0.70	21
REGNIER	7534	1	*****	0 *	****	****	0	****	0	******	******	******	******	5.912	31	3.66	1.32	4
TURPIN	9017	1	64.9	24 *	****	96	17	41	21	83	******	81	******	3.970	24	*****	1.79	21

MAY 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
VANCE AFB	302	2	*****	0 *	****	****	0	****	0	******	******	******	******	4.932	30	*****	1.55	28
BILLINGS	755	2	68.9	31	1.3	90	17	42	24	36	-29	156	11	7.775	31	3.27	3.25	18
BLACKWELL 2E	818	2	68.8	31	1.3	89	18	46	25	28	-29	147	13	5.862	31	1.12	1.29	18
BRAMAN	1075	2	*****	0 *	****	****	0	****	0	******	******	******	******	6.020	31	*****	2.14	18
CEDARDALE	1620	2	*****	0 *	****	****	0	****	0	******	******	******	******	6.901	31	*****	2.63	5
CHEROKEE	1724	2	68.4	28 *	****	92	16	42	24	29	******	124	******	3.250	29	*****	1.10	28
ENID	2912	2	70.0	31	0.9	92	17	46	22	22	-8	178	21	6.164	31	1.36	1.50	18
FT SUPPLY	3304	2	66.8	29 *	****	92	16	36	23	68	******	121	******	8.050	29	*****	3.38	4
FREEDOM	3358	2	68.4	30	-0.3	94	17	41	22	33	-8	136	-20	7.691	30	*****	3.49	5
GREAT SALT P	3740	2	69.5	30	1.7	92	17	46	25	24	-33	159	16	5.170	30	*****	2.20	18
HARDY	3909	2	*****	0 *	****	****	0	****	0	******	******	******	******	6.540	31	*****	1.31	28
HELENA	4019	2	68.3	31	1.8	92	17	42	22	34	-45	137	12	4.832	31	0.81	1.63	28
JEFFERSON	4573	2	68.2	31	-0.5	93	17	42	22	42	-1	141	-16	6.261	31	1.74	2.37	18
LAHOMA	4950	2	69.4	31 *	****	92	17	43	5	25	******	161	******	7.870	31	*****	3.32	18
LAMONT	5013	2	*****	0 *	****	****	0	****	0	******	******	******	******	5.052	31	*****	2.21	18
MEDFORD	5768	2	*****	0 *	****	****	0	****	0	******	******	******	******	6.200	31	*****	2.35	17
MORRISON	6065	2	*****	0 *	****	****	0	****	0	******	******	******	******	9.561	31	*****	3.74	18
MUTUAL	6139	2	66.8	30	0.8	90	28	42	25	55	-27	109	-4	5.860	31	1.84	2.42	5
NEWKIRK	6278	2	67.7	31	-0.4	88	18	42	22	44	-7	127	-20	6.260	31	1.37	1.75	18
ORIENTA	6751	2	*****	0 *	****	****	0	****	0	******	******	******	******	5.201	31	1.42	1.64	18
PERRY	7012	2	70.9	30	1.7	91	17	46	22	14	-24	190	23	7.863	30	*****	3.13	18
PONCA CITY	7201	2	68.9	30	1.1	89	17	44	23	37	-32	153	-2	7.712	30	*****	2.69	19
RED ROCK	7505	2	*****	0 *	****	****	0	****	0	******	******	******	******	9.430	31	4.82	4.25	17
WOODWARD	9760	2	*****	0 *	****	****	0	****	0	******	******	******	******	8.801	31	4.84	5.26	4

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MAY 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	69.5	30	0.9	87	27	44	22	20	-13	154	9	10.950	30	*****	2.02	18
BARTLESVILLE	548	3	69.9	31	1.2	90	16	44	8	21	-14	172	23	5.201	31	0.80	1.57	21
BIXBY	782	3	69.1	29 *	****	88	16	46	21	27	******	145	******	7.220	30	*****	2.62	29
BURBANK	1256	3	*****	0 *	****	****	0	****	0	******	******	******	******	8.311	31	3.58	2.33	20
CHELSEA	1717	3	*****	0 *	****	****	0	****	0	******	******	******	******	5.620	31	*****	1.85	30
CLAREMORE	1828	3	68.7	31	1.7	87	28	43	25	40	-28	153	24	6.831	31	2.19	1.62	30
HOLLOW	4258	3	*****	0 *	****	****	0	****	0	******	******	******	******	6.242	31	1.22	2.73	19
HOMINY	4289	3	*****	0 *	****	****	0	****	0	******	******	******	******	9.201	31	4.65	1.80	12
KANSAS	4672	3	67.7	17 *	****	86	15	42	26	17	******	63	******	5.662	20	*****	1.45	30
LENAPAH	5118	3	*****	0 *	****	****	0	****	0	******	******	******	******	7.231	31	*****	2.85	18
MANNFORD	5522	3	68.7	31	0.2	87	27	43	23	28	-11	143	-4	12.040	31	7.22	3.96	30
MARAMEC	5540	3	*****	0 *	****	****	0	****	0	******	******	******	******	8.241	31	3.45	3.24	30
NOWATA	6485	3	69.1	29 *	****	87	27	44	22	26	******	144	******	5.840	30	*****	2.20	30
PAWHUSKA	6935	3	69.1	31	1.1	87	16	44	25	30	-17	157	18	8.711	31	3.87	1.80	28
PAWNEE	6940	3	*****	0 *	****	****	0	****	0	******	******	******	******	7.330	31	2.43	2.50	29
PRYOR	7309	3	68.5	30	1.5	88	17	43	22	38	-31	142	12	5.082	31	0.41	1.44	30
RALSTON	7390	3	68.5	28 *	****	89	16	42	22	38	******	135	******	6.923	30	*****	2.10	30
SPAVINAW	8380	3	70.3	31	1.6	88	17	45	25	18	-24	181	25	3.753	31	-1.02	1.44	30
TULSA	8992	3	70.5	31	1.2	89	16	47	8	20	-21	192	18	6.323	31	0.72	1.72	11
UPPER SPAV	9101	3	66.9	31 *	****	91	17	42	22	49	******	106	******	4.561	31	*****	1.40	30
VINITA	9203	3	67.2	29 *	****	86	17	43	25	46	******	111	******	4.640	29	*****	1.63	30
WAGONER	9247	3	70.1	31	1.1	89	17	45	22	18	-16	177	19	9.070	31	4.12	2.77	11
WANN	9298	3	*****	0 *	****	****	0	****	0	******	******	******	******	4.980	31	*****	1.55	30
WYNONA	9792	3	*****	0 *	****	****	0	****	0	******	******	******	******	8.182	31	*****	1.51	30

MAY 2001 SUMMARY FOR WEST CENTRAL CLIMATE DIVISION (CD4)

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
CANTON DAM	1445	4	69.1	31	1.7	92	17	44	8	30	-24	156	28	7.520	31	3.18	3.10	18
CLINTON	1909	4	69.2	31	-0.3	90	17	45	22	27	-3	157	-14	8.633	31	3.70	2.05	20
COLONY	2039	4	*****	0 *	****	****	0	****	0	******	******	******	******	6.750	31	*****	2.48	18
CORDELL	2125	4	68.9	31	-0.2	90	17	46	22	33	4	153	-3	8.491	31	3.80	1.90	18
ELK CITY	2849	4	68.0	30	-0.6	90	17	46	25	35	8	124	-15	14.521	30	*****	2.75	29
ERICK	2944	4	68.0	31	-0.3	92	17	42	22	42	2	136	-6	10.510	31	6.42	3.28	20
GEARY	3497	4	68.0	27 *	****	89	16	44	21	27	******	107	******	9.120	29	*****	2.55	29
HAMMON	3871	4	66.8	29 *	****	88	17	41	22	55	******	108	******	12.460	30	*****	3.93	4
LEEDEY	5090	4	*****	0 *	****	****	0	****	0	******	******	******	******	8.760	31	4.34	4.58	4
MACKIE	5463	4	*****	0 *	****	****	0	****	0	******	******	******	******	7.550	31	*****	1.62	4
MORAVIA	6035	4	*****	0 *	****	****	0	****	0	******	******	******	******	9.670	31	5.00	2.19	21
OKEENE	6629	4	70.3	31	1.0	91	27	46	25	12	-19	176	13	6.141	31	1.70	2.15	17
RETROP	7565	4	*****	0 *	****	****	0	****	0	******	******	******	******	10.120	31	*****	2.80	5
REYDON	7579	4	65.8	22 *	****	87	3	44	22	44	******	62	******	10.150	23	*****	3.00	4
SAYRE	7952	4	*****	0 *	****	****	0	****	0	******	******	******	******	13.730	31	9.40	3.65	18
SWEETWATER	8652	4	*****	0 *	****	****	0	****	0	******	******	******	******	10.531	31	*****	2.14	4
TALOGA	8708	4	67.0	31	-0.6	90	17	43	22	46	-6	106	-26	7.330	31	2.59	2.10	5
THOMAS	8815	4	*****	0 *	****	****	0	****	0	******	******	******	******	8.510	31	*****	3.94	30
VICI	9172	4	*****	0 *	****	****	0	****	0	******	******	******	******	8.680	31	4.27	2.90	4
WATONGA	9364	4	68.5	31	0.1	89	28	45	22	39	3	146	4	7.203	31	2.58	2.08	30
WEATHERFORD	9422	4	69.9	31	1.6	89	17	45	22	24	-13	175	36	7.720	31	3.11	2.26	30

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MAY 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	******	******	******	******	5.360	31	*****	1.61	30
BLANCHARD	830	5	70.7	30	1.1	87	27	46	22	7	-14	179	15	6.797	31	1.85	1.96	18
BRISTOW	1144	5	69.7	30	0.5	87	27	44	22	20	-8	160	3	9.840	31	4.33	4.05	30
CHANDLER	1684	5	69.2	25 *	****	87	17	44	22	18	******	123	******	8.821	26	*****	2.37	31
CHICKASHA EXP	1750	5	72.0	31	1.6	90	17	45	22	7	-6	225	44	5.300	31	0.62	1.12	30
COX CITY	2196	5	*****	0 *	****	****	0	****	0	******	******	******	******	7.210	31	*****	2.00	20
CRESCENT	2242	5	*****	0 *	****	****	0	****	0	******	******	******	******	8.260	31	*****	2.52	30
CUSHING	2318	5	69.9	31	1.9	88	28	48	25	21	-28	172	30	9.452	31	4.05	5.23	30
EDMOND	2788	5	*****	0 *	****	****	0	****	0	******	******	******	******	5.720	31	*****	1.92	29
EL RENO	2818	5	69.7	31	1.0	89	17	47	8	21	-5	168	27	8.210	31	2.80	2.00	30
GUTHRIE	3821	5	69.7	31	0.0	89	28	43	25	31	3	177	3	8.820	31	3.85	2.89	30
HENNESSEY	4055	5	68.3	26 *	****	90	29	44	21	26	******	111	******	9.860	28	*****	4.80	17
INGALLS	4489	5	*****	0 *	****	****	0	****	0	******	******	******	******	6.890	31	*****	2.49	30
KINGFISHER	4861	5	68.9	29 *	****	90	28	44	23	30	******	143	******	9.811	31	5.18	3.69	18
KONAWA	4915	5	*****	0 *	****	****	0	****	0	******	******	******	******	5.690	31	-0.01	1.85	5
MARSHALL	5589	5	*****	0 *	****	****	0	****	0	******	******	******	******	8.010	31	3.13	3.64	18
MEEKER	5779	5	66.0	30	-3.0	84	28	42	8	55	26	85	-68	8.111	31	2.54	2.90	30
MULHALL	6110	5	*****	0 *	****	****	0	****	0	******	******	******	******	7.950	31	*****	2.73	30
NORMAN NWS	6386	5	69.0	31	-0.7	86	27	45	8	26	11	150	-11	7.403	31	2.24	2.01	30
OKEMAH	6638	5	72.1	31	3.1	90	27	49	25	11	-14	230	82	11.030	31	5.73	4.05	30
OKLAHOMA CTY	6659	5	*****	0 *	****	****	0	****	0	******	******	******	******	7.706	31	*****	3.19	30
OKLAHOMA CTY	6661	5	69.5	31	1.1	88	16	42	22	24	-8	162	26	7.705	31	2.49	2.79	30
PERKINS	7003	5	*****	0 *	****	****	0	****	0	******	******	******	******	10.000	31	4.51	5.96	30
PIEDMONT	7068	5	*****	0 *	****	****	0	****	0	******	******	******	******	6.730	31	*****	2.02	30
PRAGUE	7264	5	*****	0 *	****	****	0	****	0	******	******	******	******	10.672	31	5.38	3.26	30
PURCELL	7327	5	68.2	31	-1.8	87	28	43	28	32	18	130	-40	5.040	31	-0.53	1.42	5
SEMINOLE	8042	5	69.3	11 *	****	84	11	47	9	5	******	52	******	3.611	13	*****	1.50	30
SHAWNEE	8110	5	*****	0 *	****	****	0	****	0	******	******	******	******	9.052	31	3.38	4.03	30
STELLA	8479	5	*****	0 *	****	****	0	****	0	******	******	******	******	7.260	31	*****	3.15	30
STILLWATER	8501	5	70.7	31	3.0	89	28	45	8	21	-29	198	65	6.595	31	1.46	2.37	18
STROUD	8563	5	*****	0 *	****	****	0	****	0	******	******	******	******	9.881	31	*****	2.58	30
TECUMSEH	8751	5	*****	0 *	****	****	0	****	0	******	******	******	******	5.510	31	*****	2.23	5
UNION CITY	9086	5	*****	0 *	****	****	0	****	0	******	******	******	******	8.863	31	3.27	3.13	30
WANETTE	9291	5	69.3	30 *	****	86	28	44	25	29	******	156	******	5.500	30	*****	1.50	5
WELTY	9479	5	*****	0 *	****	****	0	****	0	******	******	******	******	10.890	31	*****	2.96	30
WEWOKA	9575	5	*****	0 *	****	****	0	****	0	******	******	******	******	5.356	31	0.15	1.90	30

MAY 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	******	******	******	******	9.721	31	*****	3.23	21
CHECOTAH	1711	6	*****	0 *	****	****	0	****	0	******	******	******	******	11.000	31	5.58	4.60	30
CLAYTON	1858	6	*****	0 *	****	****	0	****	0	******	******	******	******	14.600	31	*****	5.15	31
DEWAR	2485	6	*****	0 *	****	****	0	****	0	******	******	******	******	13.253	31	8.02	4.40	30
DUSTIN	2690	6	*****	0 *	****	****	0	****	0	******	******	******	******	13.210	31	*****	4.85	30
EUFAULA	2993	6	71.7	31	1.3	89	27	49	22	8	-9	216	32	10.980	31	5.30	3.55	30
HANNA	3884	6	69.9	31	0.4	88	27	40	8	21	3	172	14	10.362	31	4.35	3.15	30
HASKELL	3956	6	*****	0 *	****	****	0	****	0	******	******	******	******	13.480	31	8.27	5.94	30
HOLDENVILLE	4235	6	70.4	31	1.0	91	27	44	22	21	1	189	33	8.154	31	2.76	3.29	30
LAKE EUFAULA	4975	6	69.2	29 *	****	86	28	49	22	20	******	141	******	13.252	31	*****	3.49	30
LYONS	5437	6	*****	0 *	****	****	0	****	0	******	******	******	******	6.261	31	0.65	2.83	30
MCALESTER	5664	6	70.1	31	1.0	87	27	45	22	22	-14	180	18	7.821	31	1.93	2.67	20
MCCURTAIN	5693	6	71.4	31	1.7	91	17	47	26	8	-18	208	37	8.771	31	2.73	4.07	21
MUSKOGEE	6130	6	68.9	31	-0.2	88	17	46	25	26	-8	145	-15	9.722	31	4.60	2.68	30
OKMULGEE	6670	6	70.3	29 *	****	88	15	49	28	12	******	166	******	9.811	30	*****	2.86	31
OKTAHA	6678	6	*****	0 *	****	****	0	****	0	******	******	******	******	10.930	31	*****	5.09	30
SALLISAW	7862	6	70.7	31	1.3	91	18	46	25	17	-11	193	29	9.280	31	3.47	3.30	30
SCIPIO	7979	6	*****	0 *	****	****	0	****	0	******	******	******	******	5.460	31	*****	1.40	28
SHORT	8170	6	*****	0 *	****	****	0	****	0	******	******	******	******	10.410	31	*****	3.83	6
STILWELL	8506	6	65.7	31	-1.7	90	17	41	25	56	4	77	-49	7.770	31	2.10	2.00	18
TAHLEQUAH	8677	6	68.4	31	0.4	89	17	40	24	29	-33	134	-21	9.042	31	3.66	3.54	18
WEBBERS FALL	9445	6	69.1	30	0.6	92	18	44	25	37	-6	158	8	9.750	31	4.11	4.05	30
WETUMKA	9571	6	*****	0 *	****	****	0	****	0	******	******	******	******	9.704	31	4.41	2.92	30

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MAY 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	71.1	31	-0.5	96	16	45	22	8	-4	197	-19	7.240	31	3.01	2.67	20
ALTUS DAM	184	7	72.0	31	1.9	96	17	50	23	14	-7	232	53	9.550	31	5.14	2.71	19
ANADARKO	224	7	68.7	31	-1.0	89	17	43	22	38	15	153	-16	5.420	31	0.74	1.12	28
APACHE	260	7	*****	0 *	****	****	0	****	0	******	******	******	******	9.640	31	4.63	2.43	30
ALTUS AFB	447	7	*****	0 *	****	****	0	****	0	******	******	******	******	0.933	29	*****	0.86	5
CARNEGIE	1504	7	69.9	31	0.1	90	17	44	22	26	9	177	11	8.726	31	3.61	2.29	5
CHATTANOOGA	1706	7	70.8	27 *	****	95	17	46	22	16	******	174	******	5.690	28	*****	2.00	20
DUNCAN 11 W	2668	7	*****	0 *	****	****	0	****	0	******	******	******	******	8.140	31	*****	3.07	20
FREDERICK	3353	7	70.8	26 *	****	93	16	49	22	18	******	170	******	7.300	26	*****	2.85	4
HEADRICK	3998	7	*****	0 *	****	****	0	****	0	******	******	******	******	8.180	31	*****	2.76	5
HOBART	4204	7	69.4	29 *	****	92	17	44	23	29	******	156	******	6.823	30	*****	2.03	20
HOLLIS	4249	7	71.1	30	-0.1	98	16	44	22	12	-6	195	-14	7.330	30	*****	1.83	4
LAWTON	5063	7	70.5	30	0.5	91	24	48	22	14	-2	180	10	7.060	31	2.14	1.92	20
LOOKEBA	5329	7	*****	0 *	****	****	0	****	0	******	******	******	******	8.980	31	4.17	2.07	30
MANGUM	5509	7	69.8	31	-1.6	94	17	45	23	27	13	174	-39	9.891	31	5.64	2.34	5
RANDLETT	7403	7	*****	0 *	****	****	0	****	0	******	******	******	******	5.230	31	*****	1.81	5
ROOSEVELT	7727	7	*****	0 *	****	****	0	****	0	******	******	******	******	8.040	31	3.19	2.20	20
SEDAN	8016	7	*****	0 *	****	****	0	****	0	******	******	******	******	6.870	31	*****	3.23	5
SNYDER	8299	7	*****	0 *	****	****	0	****	0	******	******	******	******	9.060	31	4.38	3.65	5
VINSON	9212	7	*****	0 *	****	****	0	****	0	******	******	******	******	8.080	31	4.11	2.18	3
WALTERS	9278	7	70.9	28 *	****	91	24	49	26	15	******	180	******	5.770	28	*****	2.60	5
WICHITA MT	9629	7	70.1	30	1.9	91	17	44	22	22	-11	175	44	8.270	30	*****	2.24	20

MAY 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	69.6	31	0.0	87	27	46	22	9	-11	153	-10	6.102	31	0.48	2.56	5
ALLEN	147	8	*****	0 *	****	****	0	****	0	******	******	******	******	7.520	31	*****	3.00	5
ARDMORE	292	8	73.4	29 *	****	91	23	52	21	5	******	250	******	6.140	30	*****	2.25	4
ATOKA	391	8	70.3	11 *	****	84	4	52	8	0	******	58	******	6.190	31	*****	1.54	28
BOKCHITO	917	8	*****	0 *	****	****	0	****	0	******	******	******	******	5.410	31	*****	1.75	12
CANEY	1437	8	*****	0 *	****	****	0	****	0	******	******	******	******	5.110	31	*****	1.56	29
CENTRAHOMA	1648	8	69.9	29 *	****	87	24	47	24	16	******	159	******	7.650	29	*****	2.35	12
COLEMAN	2011	8	*****	0 *	****	****	0	****	0	******	******	******	******	3.920	31	*****	1.35	5
COMANCHE	2054	8	71.3	30 *	****	90	24	50	22	5	******	195	******	4.600	30	*****	2.00	19
DAISY	2354	8	*****	0 *	****	****	0	****	0	******	******	******	******	13.921	31	7.01	5.26	21
DUNCAN	2660	8	70.7	29 *	****	89	31	48	22	10	******	174	******	7.292	31	2.15	3.77	20
DURANT	2678	8	71.3	29 *	****	89	23	45	21	15	******	198	******	4.650	30	*****	1.24	30
ELMORE CITY	2872	8	*****	0 *	****	****	0	****	0	******	******	******	******	5.670	31	*****	2.65	20
GRADY	3688	8	*****	0 *	****	****	0	****	0	******	******	******	******	3.630	31	*****	1.50	4
HEALDTON	4001	8	71.1	31	0.7	90	31	48	25	17	4	205	25	4.690	31	-0.40	2.21	20
HENNEPIN	4052	8	*****	0 *	****	****	0	****	0	******	******	******	******	7.630	31	*****	2.85	20
KETCHUM RAN	4780	8	*****	0 *	****	****	0	****	0	******	******	******	******	6.600	31	*****	2.30	20
KINGSTON	4865	8	*****	0 *	****	****	0	****	0	******	******	******	******	4.410	31	-0.88	1.30	5
LEHIGH	5108	8	*****	0 *	****	****	0	****	0	******	******	******	******	6.373	31	*****	2.05	28
LINDSAY	5216	8	69.7	29 *	****	89	28	45	22	22	******	160	******	5.250	29	*****	1.18	5
LOCO	5247	8	*****	0 *	****	****	0	****	0	******	******	******	******	5.480	31	*****	3.50	20
MADILL	5468	8	72.4	31	1.5	90	28	49	23	10	1	238	47	5.220	31	-0.13	1.60	5
MARIETTA 5 SW	5563	8	70.2	31	-0.5	89	28	44	22	20	9	182	-7	7.320	31	2.39	2.43	20
MARLOW	5581	8	72.9	31	3.4	91	17	44	22	6	-10	251	95	8.180	31	3.03	3.66	20
MCGEE CREEK	5713	8	71.9	31 *	****	90	15	47	22	12	******	227	******	6.741	31	*****	3.34	31
PAULS VALLEY	6926	8	69.5	31	-1.1	90	29	44	22	33	16	174	-17	5.961	31	0.22	2.80	28
PONTOTOC	7214	8	*****	0 *	****	****	0	****	0	******	******	******	******	6.731	31	1.04	2.77	4
TISHOMINGO	8884	8	*****	0 *	****	****	0	****	0	******	******	******	******	5.510	31	0.47	2.30	6
TUSSY	9032	8	*****	0 *	****	****	0	****	0	******	******	******	******	6.310	31	*****	3.00	19
WAURIKA	9395	8	73.6	31	1.9	94	27	47	22	4	-5	272	56	5.451	31	1.05	1.92	19

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MAY 2001 SUMMARY FOR SOUTHEAST CLIMATE DIVISION (CD9)

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
BATTIEST	567	9	67.3	31 *	****	85	20	39	22	33	******	103	******	8.771	31	*****	2.78	21
BENGAL	670	9	*****	0 *	****	****	0	****	0	******	******	******	******	11.720	31	*****	3.04	21
BROKEN BOW	1162	9	*****	0 *	****	****	0	****	0	******	******	******	******	7.320	31	1.00	1.67	28
CARNASAW	1499	9	*****	0 *	****	****	0	****	0	******	******	******	******	9.960	31	3.17	2.38	28
CARTER TWR	1544	9	*****	0 *	****	****	0	****	0	******	******	******	******	8.170	20	*****	4.62	24
FANSHAWE	3065	9	*****	0 *	****	****	0	****	0	******	******	******	******	8.610	31	1.98	3.46	21
PAGE	6842	9	69.2	22 *	****	87	30	41	22	25	******	117	******	6.980	22	*****	3.12	28
SPIRO	8416	9	*****	0 *	****	****	0	****	0	******	******	******	******	10.110	31	4.39	5.26	21
TUSKAHOMA	9023	9	71.2	31	1.5	89	19	42	22	13	-3	204	42	8.351	31	1.65	2.40	21
WILBURTON	9634	9	70.0	31	1.1	89	17	45	26	10	-28	166	7	12.860	31	6.77	3.80	20
WISTER	9724	9	*****	0 *	****	****	0	****	0	******	******	******	******	8.130	31	*****	2.93	21

MAY2001 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	64.9	7	-0.2	96	17	36	25	89	-6	87	-13	5.570	12	2.38	3.60	4
CLIMATE DIVISION 2	2	68.8	12	1.0	94	17	36	23	32	-22	149	6	6.740	17	2.45	5.26	4
CLIMATE DIVISION 3	3	69.2	10	1.1	91	17	42	22	28	-20	158	14	7.050	18	2.20	3.96	30
CLIMATE DIVISION 4	4	68.7	9	0.5	92	17	41	22	32	-9	148	5	8.700	17	4.23	4.58	4
CLIMATE DIVISION 5	5	69.7	13	0.6	90	27	42	22	23	-4	169	12	7.850	32	2.61	5.96	30
CLIMATE DIVISION 6	6	69.6	10	0.6	92	18	40	24	24	-9	167	11	10.130	22	4.58	5.94	30
CLIMATE DIVISION 7	7	70.4	8	0.1	98	16	43	22	20	2	185	2	8.010	15	3.43	3.65	5
CLIMATE DIVISION 8	8	71.4	9	0.9	94	27	44	22	13	-1	210	27	6.290	25	0.96	5.26	21
CLIMATE DIVISION 9	9	69.5	3	0.2	89	17	39	22	19	-9	158	-3	9.540	9	3.10	5.26	21

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.

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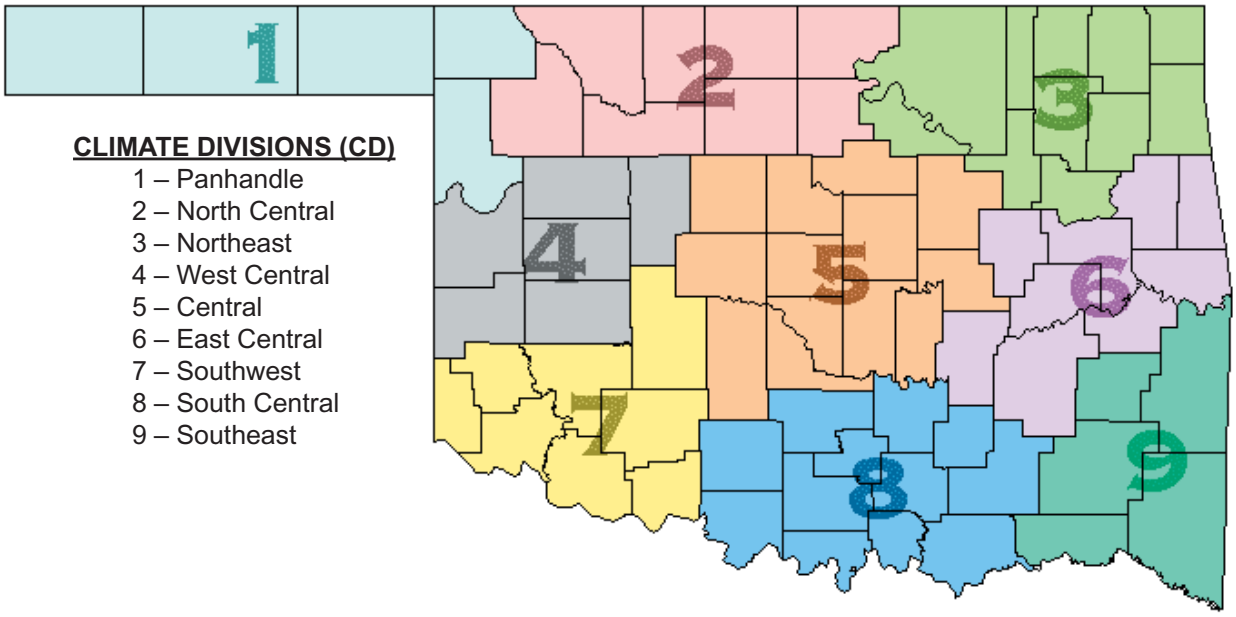
CLIMATE DIVISION MAP



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.

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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.

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MESONET MONTHLY SUMMARY FOR MAY 2001

NAME	MEAN MAX TEMP	MAX TEMP	MAX DAY	MIN TEMP	MIN DAY	HDD	CDD	TOT PPT	MAX 24-HR	MAX DAY
PANHANDLE										
Arnett	66.7	89	16	43	25	52	103	8.27	3.12	4
Beaver	66.6	97	16	40	24	71	120	5.04	1.18	29
Boise City	61.5	91	1	37	5	151	41	3.93	0.71	4
Buffalo	67.1	92	16	41	24	54	117	5.99	3.81	4
NORTH CENTRAL										
Alva	68.4	93	16	42	24	34	140	4.30	1.53	4
Blackwell	68.5	89	15	44	22	39	148	5.48	1.61	18
Breckenridge	68.9	89	16	44	22	31	152	6.96	1.78	18
Cherokee	68.9	92	16	44	22	29	151	2.41	0.69	27
Fairview	69.4	93	16	45	8	26	163	5.07	1.45	18
Freedom	67.4	92	16	40	22	46	118	7.11	4.32	4
Lahoma	68.5	90	16	44	22	29	139	7.38	2.08	27
NORTHEAST										
Bixby	69.2	87	27	45	8	27	157	6.92	1.47	27
Burbank	67.7	87	16	44	22	49	131	6.83	2.46	18
Claremore	68.1	87	16	43	25	42	137	5.89	1.39	30
Copan	68.0	89	16	44	22	44	138	3.23	0.91	18
Foraker	67.2	86	16	43	22	50	117	5.92	1.91	27
Jay	67.0	90	17	41	24	59	120	2.63	0.58	30
Miami	66.9	87	16	42	22	55	114	4.71	1.64	30
WEST CENTRAL										
Bessie	69.5	91	16	47	22	28	169	10.46	2.53	4
Butler	69.3	91	16	43	22	33	167	9.79	3.29	4
Camargo	67.3	88	16	43	22	44	114	10.13	4.78	4
Cheyenne	67.4	87	16	45	25	43	117	7.76	3.01	4
Erick	67.8	90	16	41	22	42	129	10.47	2.87	4
CENTRAL										
Acme	70.4	89	16	44	22	23	192	6.83	1.61	4
Bowlegs	68.9	86	27	44	22	30	146	4.47	1.52	30
Bristow	68.1	86	27	43	22	38	135	7.81	1.96	30
Chandler	69.0	87	27	45	22	27	152	8.88	2.63	30
Chickasha	70.7	90	16	45	22	17	192	5.12	0.99	27
El Reno	67.8	87	16	40	22	44	131	7.12	1.30	18
Guthrie	70.1	89	15	45	22	25	183	7.43	2.38	29
Kingfisher	69.5	90	16	44	22	23	163	11.20	3.05	17
Marena	69.2	88	16	45	22	25	151	5.75	1.57	29
Marshall	69.6	90	16	44	22	27	166	5.96	2.38	18
EAST CENTRAL										
Calvin	69.8	86	27	46	22	18	166	7.47	2.46	4
Cookson	67.9	91	17	40	25	49	139	9.00	2.50	30
Eufaula	70.3	87	17	48	22	17	181	14.62	4.65	30
Haskell	69.2	87	17	46	22	25	154	9.13	2.40	29
Hectorville	69.4	86	27	46	22	23	158	12.25	5.40	29
McAlester	69.9	88	27	44	22	23	175	8.27	2.80	20
Okmulgee	68.6	87	27	45	22	33	143	8.08	2.72	30
SOUTHWEST										
Altus	72.0	97	16	46	22	6	195	6.99	2.12	19
Apache	69.5	88	16	47	22	19	158	6.53	1.18	4
Fort Cobb	70.3	91	16	45	22	18	182	7.48	2.00	18
Grandfield	72.8	96	16	47	22	7	248	4.73	2.26	4
Hinton	69.6	91	16	46	22	25	167	10.45	2.61	29
Hobart	69.4	92	16	44	22	29	164	9.45	2.35	19
SOUTH CENTRAL										
Ada	69.7	86	19	47	22	17	162	5.88	2.49	4
Ardmore	71.0	87	27	47	22	9	195	6.96	2.73	4
Burneyville	72.4	91	27	47	22	4	233	6.36	2.54	19
Byars	69.8	86	16	46	22	20	167	3.93	1.17	4
Centrahoma	69.5	86	27	43	22	21	159	8.11	2.69	11
Durant	71.7	87	27	49	22	4	211	6.54	2.19	31
Ketchum Ranch	70.3	88	16	47	22	17	180	7.59	2.88	19
Lane	71.0	87	17	45	22	9	193	4.25	1.12	31
SOUTHWEST										
Antlers	70.5	88	17	42	22	15	181	5.55	1.40	18
Broken Bow	70.3	89	19	44	22	11	171	9.21	2.56	27
Clayton	71.0	89	19	45	22	16	196	*****	*****	**
Cloudy	70.2	87	19	47	22	10	173	5.63	1.02	28
Hugo	71.3	86	16	49	22	4	200	6.48	2.09	28
Goodwell	63.1	93	16	39	21	115	57	*****	*****	**
Hooker	64.8	97	16	41	21	94	89	5.96	1.91	17
Kenton	61.9	91	1	37	21	143	47	4.91	1.70	17
Slapout	66.6	96	16	43	5	59	109	5.20	1.49	4
May Ranch	67.1	90	16	43	24	45	112	7.41	4.29	4
Medford	69.0	91	16	44	22	32	156	*****	*****	**
Newkirk	68.2	87	15	44	22	40	139	5.40	1.57	18
Red Rock	69.0	89	16	44	22	33	158	10.23	5.24	18
Seiling	67.9	91	16	42	22	39	130	7.71	3.33	4
Woodward	67.6	90	16	42	25	45	125	8.36	5.19	4
Nowata	67.0	86	16	42	8	56	120	7.23	2.26	18
Pawnee	68.6	88	16	44	8	40	152	6.72	1.84	27
Porter	69.4	87	17	47	22	22	157	11.27	3.11	29
Pryor	67.0	87	16	42	22	53	113	4.84	1.41	30
Skiatook	68.2	86	16	44	25	38	138	7.26	1.91	18
Vinita	66.5	87	16	42	25	56	101	5.12	1.55	30
Wynona	68.2	86	15	45	22	40	139	8.72	2.44	18
Putnam	67.8	89	16	43	22	41	128	5.64	1.71	4
Retrop	69.3	90	16	46	22	26	160	9.45	3.11	4
Watonga	68.6	90	16	45	22	32	144	7.24	1.88	29
Weatherford	68.5	88	16	43	22	34	142	9.31	2.08	29
Minco	69.4	87	16	47	22	22	157	7.40	1.94	30
Ninnekah	71.0	89	16	49	8	12	192	6.64	1.61	27
Norman	69.2	87	16	47	22	21	152	6.49	2.24	30
Oilton	68.0	86	16	42	8	47	139	10.21	2.28	29
Okemah	68.7	86	27	44	25	31	145	11.74	4.41	30
Perkins	69.9	90	16	45	22	27	174	8.66	4.38	29
Shawnee	69.4	87	27	47	22	25	162	7.83	2.73	30
Spencer	68.9	87	27	44	8	33	146	5.30	1.78	30
Stillwater	69.6	89	16	44	8	30	169	6.00	1.82	18
Washington	69.3	87	27	47	22	21	153	5.53	1.26	30
Sallisaw	69.1	91	17	44	22	26	153	9.46	3.67	20
Stigler	69.8	88	16	48	22	18	167	11.47	4.40	20
Stuart	69.8	88	27	47	22	17	166	6.44	1.43	20
Tahlequah	67.5	90	17	41	25	50	126	6.62	1.80	30
Webbers Falls	70.9	93	16	47	22	18	200	10.05	3.58	30
Westville	67.1	89	17	41	25	48	115	5.63	1.42	30
Hollis	70.5	96	16	45	22	16	188	6.56	2.25	4
Mangum	70.0	95	16	42	22	26	180	7.22	2.47	4
Medicine Park	70.6	90	16	50	21	11	184	8.13	2.60	19
Tipton	72.0	96	16	46	22	7	225	8.56	2.93	4
Walters	71.6	91	17	47	22	10	215	6.11	2.96	4
Madill	71.5	88	27	45	22	7	210	7.98	3.02	4
Pauls Valley	70.4	89	30	47	22	15	183	4.96	1.85	27
Ringling	71.6	90	27	47	22	5	210	3.51	1.48	19
Sulphur	69.8	87	30	44	22	19	168	6.08	1.95	4
Tishomingo	70.3	87	27	45	22	15	180	4.92	2.19	4
Vanoss	69.8	88	27	45	22	20	165	2.60	0.68	18
Waurika	72.7	92	17	48	22	5	244	5.35	2.00	27
Idabel	72.1	90	19	47	22	4	225	6.22	2.06	6
Mt Herman	69.5	86	19	43	22	16	157	9.41	2.80	21
Talihina	70.4	88	16	42	22	23	190	7.90	1.58	20
Wilburton	69.4	87	17	43	22	26	163	10.21	2.74	20
Wister	68.8	91	17	44	22	24	142	9.08	4.13	20

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

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	96	16	HOOKER	36	21	BOISE CITY	3.60	4	BUFFALO	7.98	FARGO
	96	17	TURPIN	36	25	BOISE CITY					
2	94	17	FREEDOM	36	23	FT SUPPLY	5.26	4	WOODWARD	9.56	MORRISON
3	91	17	UPPER SPAV	42	26	KANSAS	3.96	30	MANNFORD	12.04	MANNFORD
				42	8	RALSTON					
				42	22	RALSTON					
				42	8	UPPER SPAV					
				42	22	UPPER SPAV					
4	92	17	CANTON DAM	41	21	HAMMON	4.58	4	LEEDEY	14.52	ELK CITY
	92	17	ERICK	41	22	HAMMON					
5	90	16	CHICKASHA EX	42	8	MEEKER	5.96	30	PERKINS	11.03	OKEMAH
	90	17	CHICKASHA EX	42	22	OKLAHOMA CTY					
	90	29	HENNESSEY								
	90	28	KINGFISHER								
	90	27	OKEMAH								
6	92	17	WEBBERS FALL	40	8	HANNA	5.94	30	HASKELL	14.60	CLAYTON
	92	18	WEBBERS FALL	40	24	TAHLEQUAH					
7	98	16	HOLLIS	43	22	ANADARKO	3.65	5	SNYDER	9.89	MANGUM
8	94	16	WAURIKA	44	22	MARIETTA	5.26	21	DAISY	13.92	DAISY
	94	17	WAURIKA	44	22	MARLOW					
	94	27	WAURIKA	44	22	PAULS VALLEY					
9	89	19	TUSKAHOMA	39	22	BATTIEST	5.26	21	SPIRO	12.86	WILBURTON
	89	16	WILBURTON								
	89	17	WILBURTON								

TABLE OF 2000/2001 COMPARISONS

	MAY Temperature (°F)		MAY Precipitation (in.)	
Station	**2000**	**2001**	**2000**	**2001**
Arnett	66.4	65.0	3.04	7.85
Enid	70.5	70.0	4.01	6.16
Tulsa	70.8	70.5	7.01	6.32
Elk City	69.8	68.0	1.59	14.52
Oklahoma City	70.9	69.5	1.37	7.71
McAlester	72.0	70.1	2.13	7.82
Altus Irr Station	74.1	71.1	3.18	7.24
Ardmore	74.3	73.4	1.58	6.14
Idabel	71.5	****	4.82	****

MAY 2001 STATEWIDE EXTREMES

VARIABLE	STATION	DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Boise City	1	36	21
	Boise City	1	36	25
	Ft. Supply	2	36	23
Maximum temperature (°F)	Hollis	7	98	16
Maximum 24-hour Precipitation	Perkins	5	5.96	30

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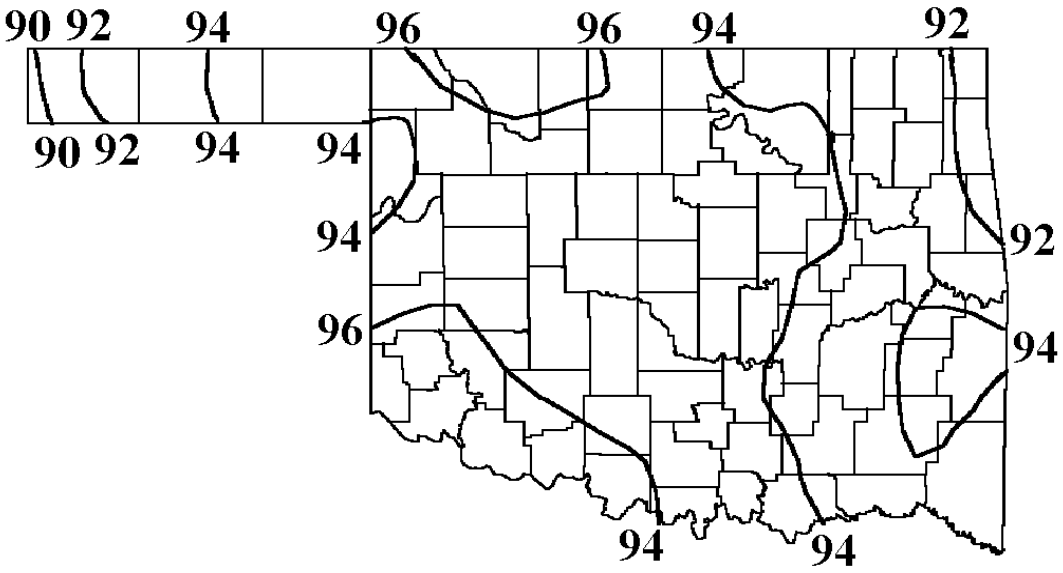
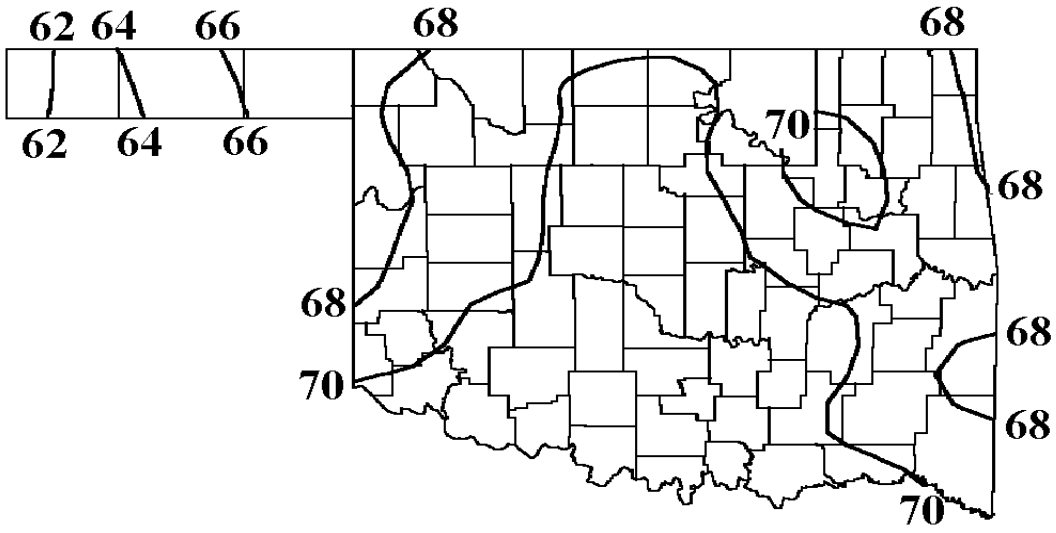
JULY NORMAL DAILY MAXIMUM TEMPERATURE (ºF)



JULY NORMAL DAILY MINIMUM TEMPERATURE (ºF)



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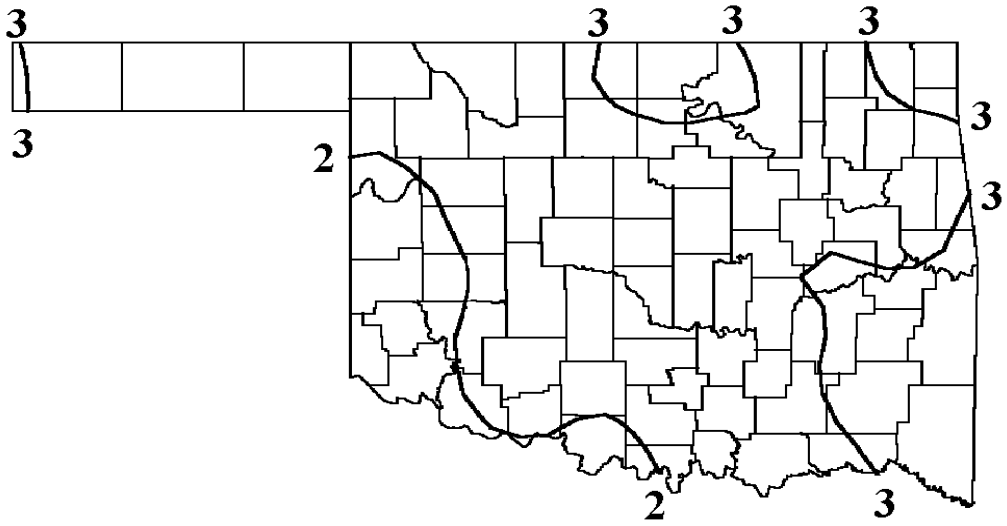
JULY NORMAL MONTHLY PRECIPITATION (INCHES)



JULY TORNADO STATISTICS

The most tornadoes reported in **JULY** for Oklahoma was **(7)** in **1956**.

The average number of tornadoes in **JULY** for Oklahoma is **(2.2)**.

OUTLOOK FOR JULY 2001 THROUGH SEPTEMBER 2001

BASED ON SEASONAL OUTLOOK PROVIDED BY THE CLIMATE PREDICTION CENTER

Temperature: Near normal temperature statewide

Precipitation: Above normal precipitation statewide

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OKLAHOMA CITY CLIMATE CALENDAR

JULY

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	80	91		103	1917	67	1951	69		86	1937	57	1951	0.11		5.06	1913
2	80	91		105	1980	72	1924	69		78	1980	58	1924	0.11		1.70	1922
3	81	92		105	1980	75	1908	70		79	1953	57	1906	0.10		2.97	1947
4	81	92		105	1996	73	1915	70		80	1980	57	1924	0.10		1.38	1997
5	81	92		108	1996	77	1958	70		80	1933	55	1915	0.10		3.21	1979
6	81	92		110	1996	73	1958	70		80	1953	55	1972	0.10		1.84	1929
7	81	92		106	1996	76	1960	70		79	1996	57	1952	0.10		2.03	1895
8	81	93		105	1964	70	1905	70		78	1970	57	1958	0.09		1.32	1959
9	81	93		106	1964	71	1905	70		80	1933	56	1891	0.09		2.14	1898
10	82	93		105	1998	66	1895	70		80	1933	56	1905	0.09		2.79	1996
11	82	93		107	1933	67	1895	71		81	1933	58	1905	0.09		3.02	1996
12	82	93		107	1954	62	1953	71		82	1933	56	1953	0.09		1.80	1926
13	82	93		106	1954	73	1953	71		81	1934	56	1975	0.09		2.10	1963
14	82	94		107	1954	80	1926	71		80	1934	57	1950	0.08		1.98	1996
15	82	94		108	1936	71	1891	71		82	1936	59	1967	0.08		2.30	1921
16	82	94		106	1980	74	1967	71		79	1939	61	1891	0.08		3.54	1900
17	82	94		106	1980	80	1950	71		79	1943	63	1992	0.08		1.71	1959
18	82	94		108	1936	72	1967	71		81	1936	62	1911	0.08		1.53	1893
19	82	94		109	1936	74	1953	71		82	1936	63	1898	0.08		2.77	1916
20	82	94		107	1936	77	1944	71		79	1934	60	1970	0.08		1.48	1897
21	83	94		107	1939	78	1970	71		80	1981	54	1970	0.08		1.58	1997
22	83	94		107	1974	73	1947	71		79	1981	57	1970	0.08		2.49	1899
23	83	94		105	1998	77	1989	71		79	1981	55	1970	0.07		3.02	1960
24	83	94		106	1998	73	1947	71		79	1993	61	1970	0.07		2.92	1975
25	83	94		106	1998	76	1906	71		83	1934	58	1911	0.07		1.96	1906
26	83	94		107	1998	75	1959	71		81	1998	63	1911	0.07		3.54	1978
27	83	94		105	1986	75	1959	71		78	1939	59	1994	0.07		5.60	1981
28	83	94		108	1986	75	1981	71		80	1946	58	1994	0.07		1.80	1963
29	83	95		109	1986	76	1892	71		79	1966	60	1994	0.07		2.02	1975
30	83	95		108	1986	73	1925	71		81	1998	57	1971	0.07		1.05	1996
31	83	95		107	1980	76	1925	71		79	1943	53	1971	0.07		1.07	1978
MONTH	**82**	**93.4**		**110**	**1996**	**62**	**1953**	**70.6**		**86**	**1937**	**53**	**1971**	**2.61**		**5.60**	**1981**

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

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TULSA CLIMATE CALENDAR

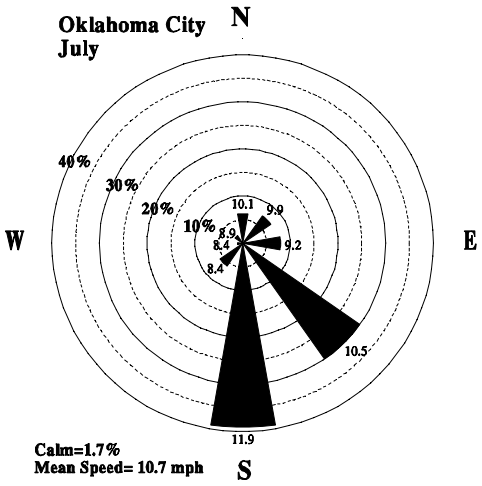
JULY

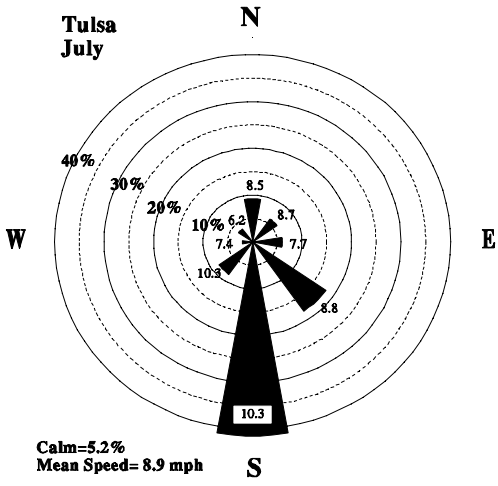
The data on this calendar are for Tulsa, Oklahoma.
Normal values are calculated for the period 1961-1990.
Temperature extremes are for the period 1905-2000.
Precipitation extremes are for the period 1888-2000.

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	81	92		106	1917	73	1951	71		82	1980	57	1995	0.12		1.95	1922
2	82	92		105	1933	78	1995	72		83	1980	54	1924	0.12		2.51	1929
3	82	92		107	1911	76	1941	72		80	1983	54	1924	0.12		2.75	1903
4	82	92		108	1911	75	1915	72		85	1980	56	1924	0.11		1.93	1930
5	82	92		108	1911	77	1972	72		81	1980	53	1915	0.11		1.55	1950
6	82	93		111	1996	78	1960	72		82	1980	55	1972	0.11		1.62	1932
7	83	93		103	1917	78	1908	73		84	1980	58	1967	0.11		1.35	1994
8	83	93		106	1917	79	1905	73		81	1980	61	1958	0.11		1.02	1906
9	83	93		107	1925	70	1905	73		82	1980	59	1952	0.11		3.80	1915
10	83	93		105	1933	75	1950	73		84	1980	59	1961	0.10		2.20	1906
11	83	93		107	1954	70	1996	73		82	1969	59	1905	0.10		2.30	1963
12	83	93		109	1954	66	1953	73		84	1980	59	1975	0.10		1.61	1998
13	83	94		111	1954	76	1953	73		85	1980	54	1975	0.10		1.95	1994
14	83	94		112	1954	77	1961	73		85	1954	54	1967	0.10		3.25	1994
15	83	94		111	1936	78	1959	73		85	1980	54	1967	0.10		3.91	1961
16	84	94		109	1980	72	1967	73		87	1980	57	1967	0.10		2.55	1967
17	84	94		110	1936	82	1989	73		82	1980	59	1967	0.10		1.85	1989
18	84	94		113	1936	74	1967	73		84	1954	64	1984	0.10		2.72	1924
19	84	94		113	1936	77	1908	73		83	1980	61	1947	0.09		2.20	1933
20	84	94		109	1936	78	1970	73		82	1981	56	1971	0.09		2.35	1906
21	84	94		109	1939	77	1950	73		83	1996	55	1970	0.09		2.85	2000
22	84	94		109	1974	69	1947	73		85	1954	57	1970	0.09		3.12	1960
23	84	94		107	1936	69	1947	73		83	1954	58	1970	0.09		1.85	1973
24	84	95		110	1934	73	1947	73		80	1993	60	1927	0.09		1.95	1973
25	84	95		108	1934	80	1950	73		82	1934	54	1911	0.09		2.34	1931
26	84	95		106	1978	75	1959	73		81	1999	60	1905	0.09		1.81	1928
27	84	95		106	1936	76	1977	73		81	1999	59	1971	0.09		7.54	1963
28	84	95		109	1936	79	1911	73		83	1986	61	1920	0.09		2.72	1976
29	84	95		110	1986	79	1981	73		82	1999	60	1969	0.09		1.64	2000
30	84	95		110	1986	79	1971	73		85	1980	55	1971	0.09		3.78	1981
31	84	95		108	1980	79	1925	73		81	1958	51	1971	0.09		1.04	1979
MONTH	**83.29**	**93.71**		**113**	**1936**	**66**	**1953**	**72.77**		**87**	**1980**	**51**	**1971**	**0.10**		**7.54**	**1963**

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

JULY WIND ROSES





July 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.

JULY SUNRISE/SUNSET TIMES FOR 2001

ALL TIMES ARE CENTRAL STANDARD TIME

OKLAHOMA CITY

DATE	SUNRISE	SUNSET
7/1/01	5:19 AM	7:49 PM
7/2/01	5:19 AM	7:49 PM
7/3/01	5:19 AM	7:49 PM
7/4/01	5:20 AM	7:49 PM
7/5/01	5:20 AM	7:49 PM
7/6/01	5:21 AM	7:49 PM
7/7/01	5:22 AM	7:48 PM
7/8/01	5:22 AM	7:48 PM
7/9/01	5:23 AM	7:48 PM
7/10/01	5:23 AM	7:48 PM
7/11/01	5:24 AM	7:47 PM
7/12/01	5:24 AM	7:47 PM
7/13/01	5:25 AM	7:46 PM
7/14/01	5:26 AM	7:46 PM
7/15/01	5:26 AM	7:45 PM
7/16/01	5:27 AM	7:45 PM
7/17/01	5:28 AM	7:45 PM
7/18/01	5:28 AM	7:44 PM
7/19/01	5:29 AM	7:43 PM
7/20/01	5:30 AM	7:43 PM
7/21/01	5:31 AM	7:42 PM
7/22/01	5:31 AM	7:42 PM
7/23/01	5:32 AM	7:41 PM
7/24/01	5:33 AM	7:40 PM
7/25/01	5:33 AM	7:39 PM
7/26/01	5:34 AM	7:39 PM
7/27/01	5:35 AM	7:38 PM
7/28/01	5:36 AM	7:37 PM
7/29/01	5:36 AM	7:36 PM
7/30/01	5:37 AM	7:35 PM
7/31/01	5:38 AM	7:35 PM

TULSA

DATE	SUNRISE	SUNSET
7/1/01	5:10 AM	7:45 PM
7/2/01	5:11 AM	7:45 PM
7/3/01	5:11 AM	7:45 PM
7/4/01	5:12 AM	7:44 PM
7/5/01	5:12 AM	7:44 PM
7/6/01	5:13 AM	7:44 PM
7/7/01	5:13 AM	7:44 PM
7/8/01	5:14 AM	7:44 PM
7/9/01	5:15 AM	7:43 PM
7/10/01	5:15 AM	7:43 PM
7/11/01	5:16 AM	7:43 PM
7/12/01	5:16 AM	7:42 PM
7/13/01	5:17 AM	7:42 PM
7/14/01	5:18 AM	7:41 PM
7/15/01	5:18 AM	7:41 PM
7/16/01	5:19 AM	7:40 PM
7/17/01	5:20 AM	7:40 PM
7/18/01	5:20 AM	7:39 PM
7/19/01	5:21 AM	7:39 PM
7/20/01	5:22 AM	7:38 PM
7/21/01	5:23 AM	7:37 PM
7/22/01	5:23 AM	7:37 PM
7/23/01	5:24 AM	7:36 PM
7/24/01	5:25 AM	7:35 PM
7/25/01	5:26 AM	7:35 PM
7/26/01	5:26 AM	7:34 PM
7/27/01	5:27 AM	7:33 PM
7/28/01	5:28 AM	7:32 PM
7/29/01	5:29 AM	7:31 PM
7/30/01	5:29 AM	7:30 PM
7/31/01	5:30 AM	7:30 PM

ADD ONE HOUR FOR CENTRAL DAYLIGHT TIME

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