

OKLAHOMA REVISED MONTHLY SUMMARY JANUARY 1998

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MONTHLY SUMMARY FOR JANUARY 1998

According to preliminary National Weather Service data, this January was among Oklahoma's wettest and warmest on record. Monthly precipitation, averaged statewide, totaled 3.60 inches (1.26 inches greater than normal) to rank this as the 4th wettest of the 107 Januarys on record. The combined statewide precipitation for December and January (7.57 inches, 4.64 inches above normal) mark this as the wettest December-January ever recorded for the state. The statewide average temperature of 40.4 degrees (4.0 degrees greater than normal) ranks 6th highest on the all-time list that extends back to 1892.

Heavy rains in eastern Oklahoma on the 4th were responsible for severe local flooding in Adair, Atoka, Choctaw, Latimer, and LeFlore counties. Oklahoma Mesonet sites at Cookson (Cherokee County) and Antlers (Pushmataha) reported daily precipitation totals of 5.39 and 5.34 inches, respectively. Wister Dam (LeFlore), Wilburton (Latimer), Fanshawe (LeFlore), McGee Creek Dam (Atoka), Webbers Falls Mesonet (Muskogee), Clayton Mesonet (Pushmataha), and Talihina Mesonet (LeFlore) each reported daily precipitation totals in excess of 4 inches. Additionally, locally heavy rains at the Chickasaw National Recreation Area near Sulphur (Murray) led to two feet of water across the park's low water crossings. Elsewhere, Gate (Beaver) reported 1.5 inches of snow, much of northwestern Oklahoma was covered by a light glaze that made driving hazardous, and Fairland (Ottawa) suffered damage from thunderstorm winds estimated at over 80 miles per hour.

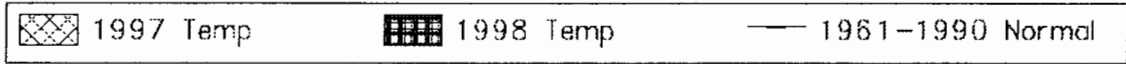
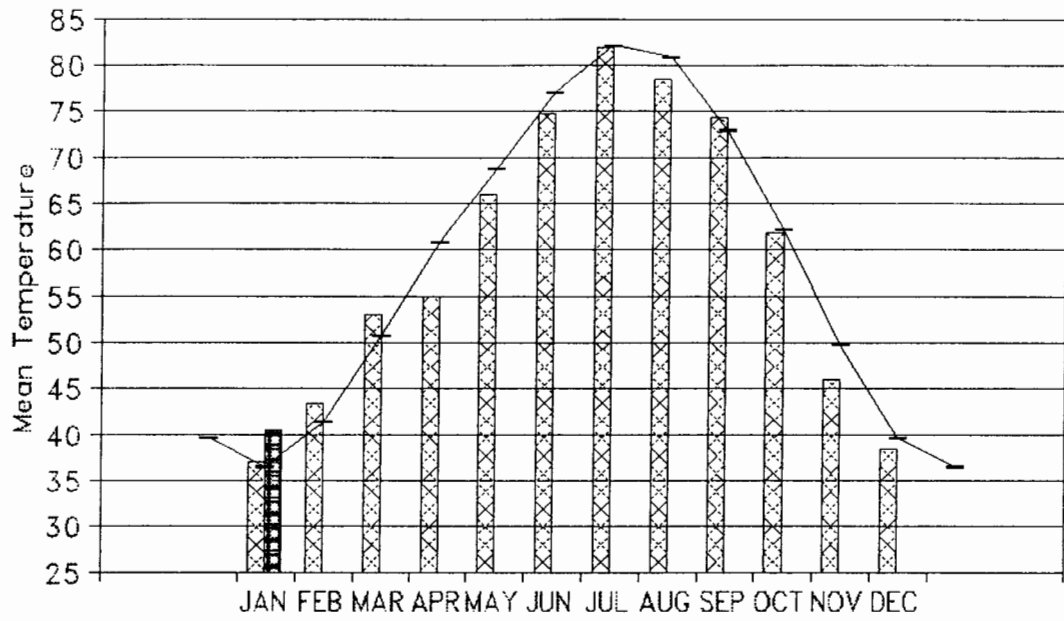
Much of the eastern half of the state received a blanketing of snow on the 8th to initiate a period of winter weather that kept the state wet and cold for a week. Okemah (Okfuskee) led the way with 4.5 inches of snow, followed closely by Beggs (Okmulgee) and Wewoka (Seminole) with 4 inches each. Claremore (Rogers), Tulsa (Tulsa), Seminole (Seminole), Checotah (McIntosh), Allen (Pontotoc), and Prague (Lincoln) each reported 3 inches of snow. Significant snowfall extended as far south as Kingston (Marshall) where an accumulation of 2.5 inches was reported. Freezing drizzle and fog were reported in many areas from the 9th through the 12th. A series of accidents on the 9th involving 20 cars on Interstate 40 in Custer County between Clinton and Weatherford was attributed to fog and ice. Freezing rain in the Miami (Ottawa) area on the 10th contributed to a traffic death. A build-up of ice on transmission lines led to a 2-hour power loss in southern Beaver County on the 12th. A locally heavy thunderstorm at Idabel on the 12th produced ¾-inch hail and 3.37 inches of rain. Icy roads on the 15th contributed to traffic fatalities in Pottawatomie, Cleveland and Tulsa counties. Cloudiness was pervasive, with the National Weather Service reporting virtually no sunshine at either Tulsa and Oklahoma City from the 4th through the 14th.

Significant weather events were less frequent during the last half of the month. The weather was generally dry and mild across the west and wetter, but still mild in the east. Coleman (Johnston) reported 2 inches of rain on the 21st, Arnett (Ellis) received two inches of snow on the 24th, and Duncan (Stephens) reported 2.88 inches of rain on the 27th.

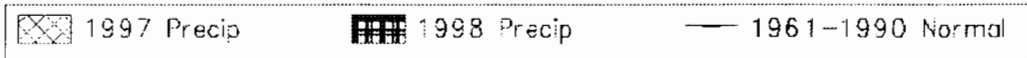
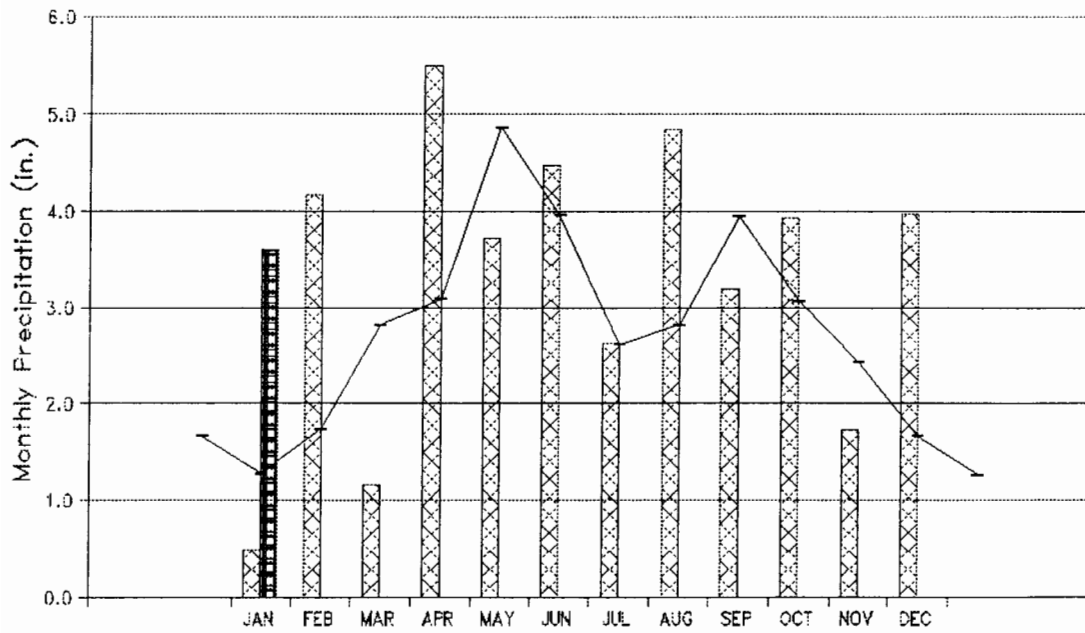
The month ended with a spate of thunderstorms in western Oklahoma. Large hail was reported on the 31st near Cooperton and Cold Springs in Kiowa County, at Willow in Greer County, and in the Wichita Mountains Wildlife Refuge in Comanche County. Mesonet sites near Minco (Grady), Apache (Caddo), Mangum (Greer), and Retrop (site in Washita County) each recorded over 2 inches of rain on the 31st.

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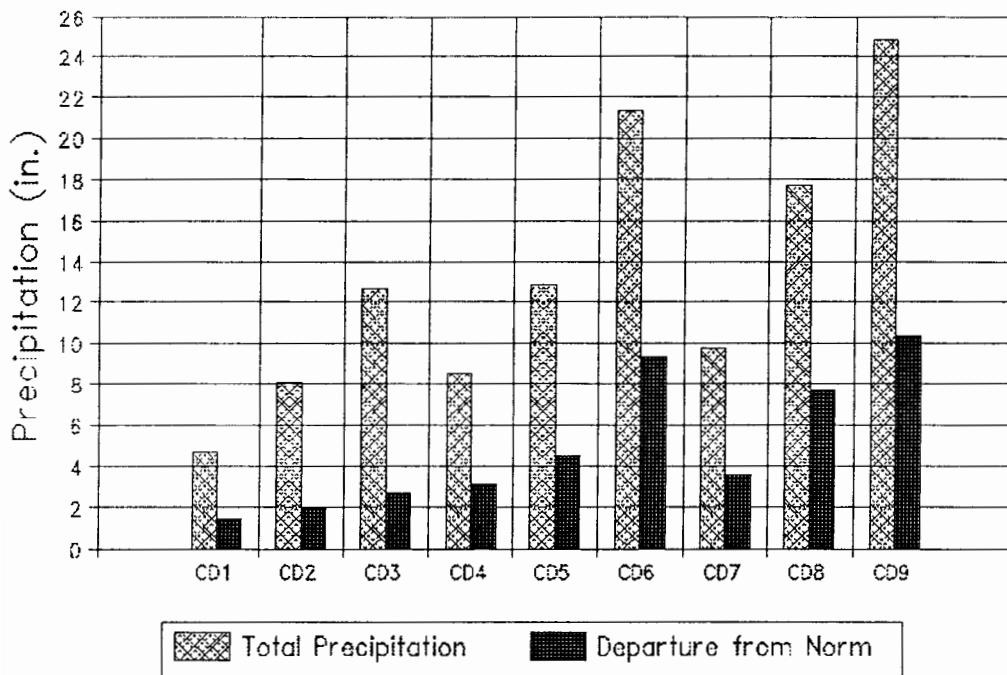
1997 and 1998 STATEWIDE TEMPERATURES Monthly Averages



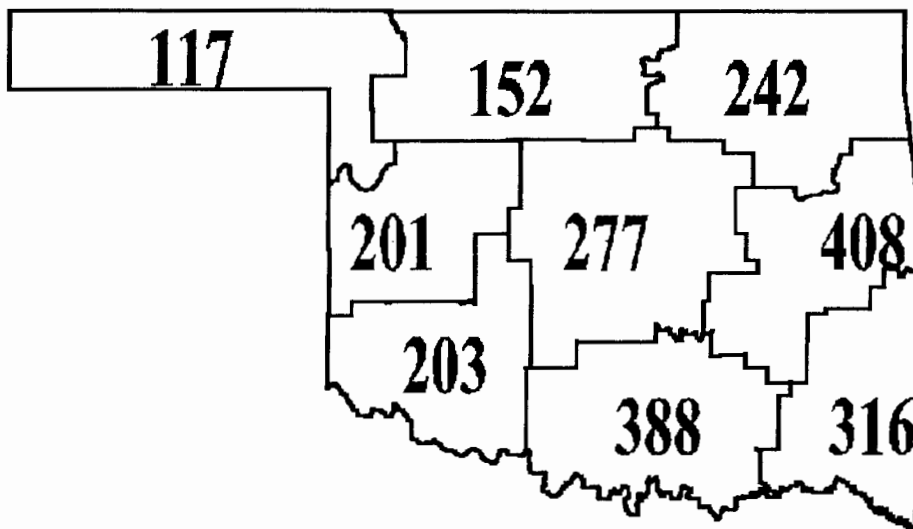
1997 and 1998 STATEWIDE PRECIPITATION Monthly Totals



CD Averaged Precipitation October 1997 through January 1998



CD PERCENT OF NORMAL PRECIPITATION JANUARY 1998



**EXTREME VALUES OF TEMPERATURE AND PRECIPITATION IN EACH CLIMATE DIVISION
JANUARY, 1998**

CD	MAX TEMP	DATE	LOCATION	MIN TEMP	DATE	LOCATION	24-HOUR PRECIP	DATE	LOCATION	MONTHLY PRECIP	LOCATION
1	70	21	BOISE CITY	7	14	GUYMON	1.31	4	FARGO	1.64	BUFFALO
2	72 72 72	2 3 29	PONCA CITY PONCA CITY WAYNOKA	12	10	FT SUPPLY	2.25	4	MORRISON	3.57	MORRISON
3	73	3	MANNFORD	17 17 17	23 23 19	BARNSDALL BARTLESVILLE VINITA	2.50	5	UPPER SPAV	5.76	KANSAS
4	70 70	29 29	ERICK TALOGA	17	16	TALOGA	1.75	31	MORAVIA	2.39	MORAVIA
5	78	2	GUTHRIE	18 18 18	14 19 24	GUTHRIE GUTHRIE GUTHRIE	3.06	4	CHICKASHA	5.30	WEWOKA
6	68	4	WEBBERS FALL	19	19	TAHLEQUAH	3.85	5	CLAYTON	10.44	ASHLAND
7	73 73	3 3	CHATTANOOGA WALTERS	17	24	ALTUS DAM	2.70	4	FREDERICK	4.49	WICHITA MT
8	75	4	DUNCAN	20 20 20	15 23 24	MARLOW MARLOW MARLOW	4.01	5	MCGEE CREEK	9.90	ALLEN
9	72	28	BEAR MT	20	17	TUSKAHOMA	4.85	4	WISTER	9.24	FANSHAWE

TABLE OF 1997/1998 COMPARISONS

Station	JANUARY Temperature (°F)		JANUARY Precipitation (in.)	
	1997	1998	1997	1998
Arnett	32.0	36.3	0.36	1.14
Mutual	32.8	37.1	0.33	0.89
Tulsa	35.9	39.9	0.25	3.48
Elk City	37.9	39.2	0.62	1.90
Oklahoma City	37.7	40.7	0.50	4.10
McAlester	40.1	43.2	0.01	3.95
Altus Irr Station	42.1	41.3	0.25	1.07
Ardmore	44.3	44.2	3.25	6.13
Idabel	39.9	46.6	1.99	8.55

VARIABLE	STATION	EXTREMES DIVISION	OBSERVATION	DATE
Minimum temperature (°F)	Guymon	1	7	14
Maximum temperature (°F)	Duncan	8	75	4
Maximum 24-hour precipitation	Wister	9	4.85	4

JANUARY 1998 SUMMARY FOR PANHANDLE DIVISION (CD1)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT		DAY	COOL		DAY	TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG	FROM NORM		DEG	FROM NORM				MAX 24-HR		
ARNETT	332	1	36.3	31	3.8	66	28	16	14	889	-120	0	0	1.141	31	0.68	0.84	4		
BEAVER	593	1	33.5	31	1.9	68	28	8	11	978	-57	0	0	0.001	31	-0.40	0.00	30		
BOISE CITY	908	1	36.6	31	2.4	70	21	9	8	882	-74	0	0	0.003	31	-0.30	0.00	22		
BUFFALO	1243	1	36.9	31	2.3	69	27	13	10	871	-71	0	0	1.640	31	1.15	1.10	31		
FARGO	3070	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.521	31	1.05	1.31	4		
GAGE	3407	1	36.4	27*	****	68	27	14	8	772	*****	0	*****	0.486	30	*****	0.33	4		
GATE	3489	1	35.6	31	3.2	68	28	12	10	913	-99	0	0	0.672	31	0.12	0.54	4		
GOODWELL	3628	1	36.3	31	4.4	68	28	9	11	889	-138	0	0	0.000	31	-0.27	0.00	31		
GUYMON	3835	1	37.6	31*	****	66	31	7	14	849	*****	0	*****	0.000	31	*****	0.00	31		
HOOKER	4298	1	35.0	30	2.1	65	31	12	11	901	-94	0	0	0.000	30	*****	0.00	31		
KENTON	4766	1	37.6	31	5.2	69	2	11	8	849	-162	0	0	0.012	31	-0.27	0.01	6		
LAVERNE	5045	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.713	31	0.18	0.55	4		
RANGE	7412	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.017	31	*****	0.01	4		
REGNIER	7534	1	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.001	31	-0.30	0.00	3		

JANUARY 1998 SUMMARY FOR NORTH CENTRAL DIVISION (CD2)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV		DAY	MIN TEMP	DAY	HEAT		DAY	COOL		DAY	TOT PPT	NUM OBS	DEV		DAY
					FROM NORM	MAX TEMP				DEG	FROM NORM		DEG	FROM NORM				MAX 24-HR		
VANCE AFB	302	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.657	29	*****	0.43	4		
ALVA	193	2	36.9	31*	****	69	29	15	14	871	*****	0	*****	0.840	31	*****	0.82	4		
BILLINGS	755	2	36.9	31	4.1	70	4	17	14	873	-126	0	0	1.144	31	0.14	0.95	4		
BLACKWELL 2E	818	2	36.6	31	3.7	68	4	15	14	881	-114	0	0	0.835	31	-0.11	0.80	4		
BRAMAN	1075	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.031	31	*****	1.01	4		
CEDARDALE	1620	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.524	31	*****	0.45	4		
CHEROKEE	1724	2	36.5	31	2	67	30	15	14	883	-64	0	0	0.001	31	-0.85	0.00	31		
ENID	2912	2	37.5	31	2.4	68	3	17	13	853	-74	0	0	1.240	31	0.28	1.05	4		
FT SUPPLY	3304	2	35.9	30	3.7	69	28	12	10	873	-144	0	0	0.830	31	0.38	0.68	4		
FREEDOM	3358	2	34.4	31	0.4	71	27	13	24	949	-12	0	0	1.400	31	0.86	0.70	31		
HARDY	3909	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.092	31	*****	0.89	3		
HELENA	4019	2	37.7	31	5.9	67	29	18	14	847	-182	0	0	0.865	31	0.09	0.83	4		
JEFFERSON	4573	2	39.1	31	5	68	2	16	13	802	-156	0	0	1.788	31	0.94	0.96	31		
LAMONT	5013	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.192	31	*****	1.05	4		
MEDFORD	5768	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.016	31	*****	1.24	31		
MORRISON	6065	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.574	31	*****	2.25	4		
MUTUAL	6139	2	37.1	31	4.6	69	29	16	14	866	-143	0	0	0.890	31	0.29	0.74	4		
NEWKIRK	6278	2	36.0	31	2.8	68	4	13	14	900	-86	0	0	1.222	31	0.35	1.03	4		
ORIENTA	6751	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.073	31	0.36	1.05	4		
PERRY	7012	2	38.8	31	3.1	71	4	19	14	813	-96	0	0	1.293	31	0.35	1.06	4		
PONCA CITY	7201	2	41.7	27*	****	72	3	17	13	630	*****	0	*****	1.136	29	*****	0.84	4		
RED ROCK	7505	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.091	31	0.19	0.98	4		
WAYNOKA	9404	2	37.4	29*	****	72	29	17	12	800	*****	0	*****	0.601	29	*****	0.60	31		
WOODWARD	9760	2	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.244	31	0.70	0.83	4		

JANUARY 1998 SUMMARY FOR NORTHEAST 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	39.3	31	4.7	69	3	17	23	797	-145	0	0	3.161	31	1.77	1.57	4
BARTLESVILLE	548	3	39.4	31	4.7	71	3	17	23	796	-143	2	2	3.464	31	2.19	1.60	4
BIXBY	782	3	39.5	31	5.5	69	5	21	23	790	-172	0	0	3.550	31	1.98	0.95	14
BURBANK	1256	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.736	30	*****	1.80	4
CHELSEA	1717	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.200	31	*****	1.11	6
CLAREMORE	1828	3	38.5	31	5.4	68	4	18	23	822	-168	0	0	3.990	31	2.39	1.16	4
CLEVELAND 2	1902	3	38.7	31*	****	70	3	18	19	816	*****	0	*****	3.563	31	*****	1.65	4
FORAKER	3250	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.691	31	0.67	0.89	4
HOLLOW	4258	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.335	31	1.85	1.15	4
HOMINY	4289	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.952	31	1.70	1.35	4
KANSAS	4672	3	41.3	31	5.3	65	3	20	19	734	-166	0	0	5.763	31	3.60	2.10	4
LENAPAH	5118	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.790	31	*****	1.43	4
MANNFORD	5522	3	40.9	31	5.4	73	3	18	23	749	-166	2	2	4.680	31	3.36	1.54	4
MARAMEC	5540	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	3.145	31	1.87	1.64	4
MIAMI	5855	3	38.0	31	5.3	67	3	19	23	838	-163	0	0	1.720	31	-0.03	0.86	4
PAWHUSKA	6935	3	39.3	31	5.2	72	3	18	24	798	-160	2	2	3.043	31	1.76	1.45	4
PAWNEE	6940	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.710	31	1.49	1.70	4
PRYOR	7309	3	39.1	31	6.1	68	4	20	25	802	-191	0	0	3.755	31	2.00	1.06	8
RALSTON	7390	3	39.6	31	4.9	70	3	19	24	786	-153	0	0	2.490	31	1.34	1.37	4
SKIATOOK	8258	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	4.630	31	3.26	2.32	4
SPAVINAW	8380	3	41.9	31	5.4	67	3	21	24	715	-169	0	0	4.812	31	3.11	1.38	8
TULSA	8992	3	39.9	31	4.7	70	3	20	23	779	-145	0	0	3.486	31	1.95	1.29	4
UPPER SPAV	9101	3	42.1	29*	****	66	30	22	23	664	*****	0	*****	5.354	29	*****	2.50	5
VINITA	9203	3	39.6	31	6	68	3	17	19	789	-185	0	0	4.114	31	2.31	1.20	8
WANN	9298	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.852	31	*****	1.35	4
WAGONER	9247	3	41.4	31	4.6	69	3	21	23	734	-140	1	1	5.091	31	3.13	1.52	9
WYNONA	9792	3	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.965	31	*****	1.50	4

JANUARY 1998 SUMMARY FOR WEST CENTRAL DIVISION (CD4)

NAME	ID	CD	MEAN TEMP	NUM OBS	DEV FROM NORM	MAX TEMP	DAY	MIN TEMP	DAY	HEAT DEG DAY	DEV FROM NORM	COOL DEG DAY	DEV FROM NORM	TOT PPT	NUM OBS	DEV FROM NORM	MAX 24-HR	DAY
CANTON DAM	1445	4	37.0	30	3.8	67	28	19	14	840	-147	0	0	0.802	30	*****	0.65	4
CLINTON	1909	4	40.3	30	3.7	67	2	21	15	742	-138	0	0	1.153	31	0.21	0.43	31
COLONY	2039	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.553	31	*****	0.69	31
CORDELL	2125	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.131	31	0.22	0.40	4
ELK CITY	2849	4	39.2	31	3	68	29	20	11	800	-93	0	0	1.900	31	1.21	1.40	4
ERICK	2944	4	39.7	31	3.1	70	29	20	24	784	-97	0	0	1.105	31	0.57	0.58	31
GEARY	3497	4	43.0	30	7.4	68	4	28	14	662	-250	0	0	1.050	31	0.29	0.91	4
HAMMON	3871	4	37.6	30	4.1	67	29	18	9	821	-156	0	0	1.070	30	*****	0.51	4
LEEDEY	5090	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.130	31	1.64	1.01	30
MACKIE	5463	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.560	31	*****	1.53	5
MORAVIA	6035	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	2.392	31	1.68	1.75	31
OKEENE	6629	4	39.1	31	2.9	66	27	18	13	802	-91	0	0	0.863	31	0.09	0.76	4
RETROP	7565	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.860	31	*****	1.25	31
REYDON	7579	4	37.9	28*	****	68	29	18	14	760	*****	0	*****	1.002	28	*****	1.00	4
SAYRE	7952	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.631	31	1.16	0.81	31
SWEETWATER	8652	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.641	31	*****	0.64	4
TALOGA	8708	4	37.1	29*	****	70	29	17	16	811	*****	0	*****	0.507	30	*****	0.36	4
THOMAS	8815	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	0.710	26	*****	0.48	4
VICI	9172	4	*****	0*	****	****	0	****	0	*****	*****	*****	*****	1.196	31	0.47	0.72	31
WATONGA	9364	4	39.2	31	3.8	67	2	19	13	801	-118	0	0	1.065	31	0.11	0.84	4
WEATHERFORD	9422	4	38.1	30	3.8	66	2	19	13	806	-146	0	0	1.340	31	0.52	0.59	31

JANUARY 1998 SUMMARY FOR CENTRAL 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	*****	*****	*****	*****	3.710	31	*****	2.19	4
ARCADIA	288	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.210	31	*****	2.02	4
BLANCHARD	830	5	43.2	30	4.9	71	4	22	15	656	-172	1	1	4.256	30	*****	2.82	4
BRISTOW	1144	5	41.6	31	4.8	71	3	19	23	725	-149	1	1	3.422	31	2.04	1.44	4
CHANDLER	1684	5	39.7	30	2.5	71	3	21	24	759	-104	0	0	4.672	30	*****	1.50	4
CHICKASHA EX	P 1750	5	43.0	31	5.7	71	3	22	24	683	-176	0	0	4.650	31	3.62	3.06	4
COX CITY	2196	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.250	31	*****	2.36	4
CRESCENT	2242	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.230	31	*****	1.05	4
CUSHING	2318	5	39.4	30	5.2	71	4	22	19	767	-188	0	0	4.410	30	*****	2.50	5
EDMOND	2788	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.592	31	*****	1.83	3
EL RENO	2818	5	42.2	31	6.5	72	4	25	15	707	-201	0	0	1.990	31	0.99	1.06	4
GUTHRIE	3821	5	39.4	31	3.1	78	2	18	24	793	-98	0	0	2.632	31	1.48	1.40	4
HENNESSEY	4055	5	38.8	31	3.7	67	3	19	13	812	-116	0	0	1.220	31	0.36	0.93	4
INGALLS	4489	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.860	31	*****	1.59	4
KINGFISHER	4861	5	39.7	29 *	****	70	4	19	15	735	*****	0	*****	1.850	29	*****	1.49	4
KONAWA	4915	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.660	31	1.15	1.40	7
MARSHALL	5589	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.477	31	0.60	1.24	4
MEEKER	5779	5	41.3	31	4.6	71	3	19	23	737	-140	1	1	3.060	31	2.02	1.49	3
MULHALL	6110	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.120	31	*****	1.72	4
NORMAN NWS	6386	5	40.1	31	2.3	70	3	20	24	773	-71	0	0	4.726	31	3.41	2.17	4
OKEMAH	6638	5	43.9	31	6.4	70	3	25	19	654	-199	1	1	4.334	31	2.88	1.63	4
OKLAHOMA CTY	F.6659	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.554	30	*****	0.78	5
OKLAHOMA CTY	6661	5	40.7	31	4.8	72	3	22	15	753	-150	0	0	4.101	31	2.97	2.02	4
PERKINS	7003	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.020	31	1.85	1.78	4
PIEDMONT	7068	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.990	31	*****	1.28	4
PRAGUE	7264	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.664	31	2.23	1.22	4
PURCELL	7327	5	39.2	31	1.8	71	4	19	25	801	-55	0	0	4.650	31	3.31	2.00	4
SEMINOLE	8042	5	40.1	31	1.3	68	3	21	22	773	-39	0	0	3.660	31	2.18	2.30	3
SHAWNEE	8110	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.422	31	3.05	2.00	4
STELLA	8479	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.662	31	*****	1.62	4
STILLWATER	8501	5	39.0	28 *	****	75	4	20	23	728	*****	1	*****	3.664	29	*****	2.86	5
STROUD	8563	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.733	31	*****	1.19	4
TECUMSEH	8751	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.970	31	*****	2.00	3
TROUSDALE	8960	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.111	31	*****	2.20	4
UNION CITY	9086	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.251	31	2.89	1.92	31
WELTY	9479	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.971	31	*****	1.35	4
WEWOKA	9575	5	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.301	31	3.85	2.02	4

JANUARY 1998 SUMMARY FOR EAST CENTRAL 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	*****	*****	*****	*****	10.442	31	*****	2.50	4
BEGGS	631	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.960	31	*****	1.57	4
CALVIN	1391	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.400	31	2.80	3.20	4
CHECOTAH	1711	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.072	31	7.44	2.65	5
CLAYTON	1858	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.340	31	*****	3.85	5
DEWAR	2485	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.965	31	5.38	1.83	4
DUSTIN	2690	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.960	31	*****	2.22	4
EUFAULA	2993	6	42.7	30	3.8	65	30	24	19	669	-141	0	0	7.770	31	5.94	3.40	4
HANNA	3884	6	42.0	31	4	65	30	21	23	715	-123	0	0	7.574	31	5.84	2.08	4
HASKELL	3956	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.090	31	3.23	1.32	8
LAKE EUFAULA	4975	6	41.5	31 *	****	66	4	24	20	729	*****	0	*****	8.341	31	*****	2.23	5
LYONS	5437	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.210	31	5.42	2.61	5
MARBLE CITY	5546	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.670	31	*****	3.60	5
MCALESTER	5664	6	43.2	30	5.6	67	30	23	24	654	-195	0	0	3.955	29	*****	1.74	5
MCCURTAIN	5693	6	46.1	31	6.8	67	28	26	16	586	-212	0	0	9.515	31	7.36	3.75	5
MUSKOGEE	6130	6	42.3	31	5	66	3	23	23	704	-156	0	0	3.640	31	1.84	1.37	3
OKTAHA	6678	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.921	31	*****	2.11	5
QUINTON	7372	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.450	31	4.50	1.60	4
SALLISAW	7862	6	42.5	31	4.6	65	5	24	16	699	-142	0	0	8.450	31	6.45	3.64	5
SCPIO	7979	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.870	31	*****	2.25	5
SHORT	8170	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.430	31	*****	2.85	5
STILWELL	8506	6	41.4	31	5	62	6	20	23	733	-155	0	0	8.610	31	6.53	3.40	4
TAHLEQUAH	8677	6	42.1	31	5.8	65	4	19	19	709	-182	0	0	6.246	31	4.24	2.21	4
WEBBERS FALL	9445	6	41.7	30	6.4	68	4	22	24	699	-222	0	0	8.542	31	6.73	3.32	5
WETUMKA	9571	6	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.903	31	6.41	2.34	4

JANUARY 1998 SUMMARY FOR SOUTHWEST 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	41.3	31	1.8	70	27	23	24	734	-57	0	0	1.070	31	0.23	0.49	31
ALTUS DAM	184	7	39.4	31	3	71	3	17	24	795	-92	0	0	1.750	31	0.98	0.83	31
ANADARKO	224	7	40.3	31	3.9	69	4	20	30	766	-121	0	0	2.890	31	1.86	1.92	4
APACHE	260	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.050	31	1.95	2.38	4
ALTUS AFB	447	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.806	31	*****	0.28	8
CARNEGIE	1504	7	40.7	31	3.9	69	3	22	13	754	-120	0	0	2.661	31	1.73	0.95	3
CHATTANOOGA	1706	7	41.6	31	2.9	73	3	24	25	727	-89	0	0	2.510	31	1.55	1.29	4
DUNCAN 11 W	2668	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.874	31	*****	1.92	3
FREDERICK	3353	7	41.7	29 *	****	71	3	26	23	676	*****	0	*****	4.211	29	*****	2.70	4
HEADRICK	3998	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.870	31	*****	0.44	8
HOBART	4204	7	40.2	27 *	****	67	2	22	23	669	*****	0	*****	0.626	28	*****	0.24	4
HOLLIS	4249	7	42.5	31	4	71	27	21	24	698	-124	0	0	0.521	31	-0.07	0.30	8
LAWTON	5063	7	41.7	31	4.9	72	3	21	9	724	-151	0	0	1.700	31	0.64	0.93	4
LOOKEBA	5329	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.403	31	0.42	0.85	4
MANGUM	5509	7	40.5	31	2.3	72	3	20	25	760	-71	0	0	0.273	31	-0.48	0.15	8
RANDLETT	7403	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.524	31	*****	0.90	4
ROOSEVELT	7727	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.670	31	0.81	0.69	4
SEDAN	8016	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.240	31	*****	0.45	4
SNYDER	8299	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	2.132	31	1.23	1.35	4
VINSON	9212	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	0.990	31	0.51	0.51	31
WALTERS	9278	7	44.1	30	4.5	73	3	24	15	628	-159	0	0	2.280	30	*****	1.30	4
WICHITA MT	9629	7	40.1	31	4.5	69	3	20	23	771	-141	0	0	4.490	31	3.31	2.38	4
WILLOW	9668	7	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	1.650	31	*****	1.30	31

JANUARY 1998 SUMMARY FOR SOUTH CENTRAL 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	41.1	31	2.1	64	30	21	23	742	-65	0	0	7.371	31	5.91	3.14	4
ALLEN	147	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.900	31	*****	2.78	4
ARDMORE	292	8	44.2	31	2.5	69	30	28	23	645	-78	0	0	6.130	31	4.67	1.98	5
ATOKA DAM	394	8	42.2	20 *	****	67	29	22	2	457	*****	0	*****	6.952	20	*****	3.79	5
CANEY	1437	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.990	31	*****	3.82	5
CENTRAHOMA	1648	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.100	31	*****	1.60	5
CHICKASAW	1745	8	41.3	29 *	****	65	29	21	24	687	*****	0	*****	8.360	29	*****	3.30	4
COLEMAN	2011	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.600	31	*****	2.00	21
COMANCHE	2054	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.910	31	2.68	1.36	4
DAISY	2354	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.724	31	6.40	3.85	5
DUNCAN	2660	8	41.5	31	4	75	4	24	25	730	-124	0	0	5.761	31	4.57	2.88	27
ELMORE CITY	2872	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.690	31	*****	2.00	4
GRADY	3688	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	4.590	31	*****	1.26	8
HEALDTON	4001	8	42.8	31	3.4	70	3	24	24	689	-106	0	0	5.260	31	3.85	1.42	5
HENNEPIN	4052	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.582	31	*****	1.30	8
KETCHUM RAN	4780	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.890	31	*****	1.50	4
KINGSTON	4865	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	5.800	31	3.85	1.25	4
LEHIGH	5108	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.157	31	*****	2.90	5
LINDSAY	5216	8	41.2	31	3	71	2	22	22	738	-93	0	0	6.520	31	5.25	2.79	3
LOCO	5247	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	3.840	31	*****	1.16	8
MADILL	5468	8	45.7	24 *	****	67	2	24	22	463	*****	0	*****	5.880	24	*****	1.05	25
MARIETTA	5563	8	44.7	31	4	71	30	26	23	630	-123	0	0	4.510	31	3.07	0.93	21
MARLOW	5581	8	43.3	31	4.9	71	2	20	24	672	-153	0	0	2.940	31	1.87	1.96	4
MC GEE CREEK	5713	8	44.3	31 *	****	66	29	27	24	642	*****	0	*****	8.582	31	*****	4.01	5
PONTOTOC	7214	8	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.631	31	6.09	1.37	4
TISHOMINGO	8884	8	43.5	31	3.6	66	30	23	24	668	-110	0	0	6.660	31	4.94	2.43	5
WAURIKA	9395	8	44.9	31	4.4	72	3	25	23	622	-138	0	0	4.172	31	3.07	1.03	8
WAURIKA DAM	9399	8	41.8	24 *	****	67	21	24	23	558	*****	0	*****	3.124	25	*****	1.32	5

JANUARY 1998 SUMMARY FOR SOUTHEAST 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
ANTLERS	256	9	45.8	30	5.6	66	31	24	25	575	-195	0	0	6.140	31	4.10	2.20	5
BATTIEST	567	9	42.3	31 *	****	65	31	22	25	703	*****	0	*****	7.661	31	*****	3.47	5
BEAR MT	584	9	46.6	16 *	****	72	28	25	23	295	*****	0	*****	6.731	30	*****	2.04	5
BENGAL	670	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	8.761	31	*****	3.84	5
BOSWELL	980	9	43.9	31	3.5	66	29	26	25	653	-110	0	0	8.330	31	6.29	3.75	5
BROKEN BOW	1162	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.840	31	4.28	1.30	4
CARNASAW	1499	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.231	31	3.41	1.86	5
CARTER TWR	1544	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	6.940	31	4.35	1.51	5
FANSHAWE	3065	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	9.240	31	7.06	4.37	5
HUGO	4384	9	45.6	31	3.7	68	4	27	23	600	-116	0	0	6.461	31	4.30	2.30	5
IDABEL	4451	9	46.6	31	6.7	71	30	23	23	572	-207	0	0	8.551	31	5.83	3.17	12
PAGE	6842	9	41.9	28 *	****	63	31	21	23	647	*****	0	*****	8.103	31	*****	3.49	5
POTEAU	7254	9	44.2	31 *	****	68	6	23	23	644	*****	0	*****	7.051	31	*****	2.75	4
SMITHVILLE	8285	9	43.4	31	4.7	63	31	21	1	671	-144	0	0	6.005	31	3.03	2.00	5
SPIRO	8416	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.980	31	5.90	3.47	5
TUSKAHOMA	9023	9	45.3	31	5	68	30	20	17	611	-156	0	0	6.081	31	4.06	2.67	5
VALLIANT	9118	9	*****	0 *	****	****	0	****	0	*****	*****	*****	*****	7.321	31	5.01	1.78	5
WILBURTON	9634	9	44.3	31	5.9	65	30	23	24	642	-184	0	0	9.180	31	6.94	4.39	4
WISTER	9724	9	43.4	31 *	****	68	3	23	15	669	*****	0	*****	8.450	31	*****	4.85	4

JANUARY 1998 CLIMATE DIVISION SUMMARY

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
1	36.2	9	3.0	2 70	0	21	7	14	890	9 -101.8	0	0	0	12 .07	1.3	1 4
2	36.9	12	3.0	3 72	0	29 1	2	10	867	4 -103.9	0	0	1	21 .41	2.2	5 4
3	39.8	15	5.0	2 73	0	3 1	7	19	782	8 -159.3	0	0	4	25 2.08	2.5	0 5
4	39.2	9	3.0	8 70	0	29 1	7	16	784	0 -132.5	0	0	1	16 .71	1.7	5 31
5	40.9	14	4.0	2 78	0	2 1	8	24	742	2 -136.4	0	0	3	31 2.16	3	6 4
6	42.5	10	5.0	1 68	0	4 1	9	19	689	3 -165.0	0	0	7	24 5.64	3.8	5 5
7	41.2	10	3.0	6 73	0	3 1	7	24	735	5 -112.7	0	0	2	20 .94	2.7	0 4
8	43.1	10	3.0	9 75	0	4 2	0	24	677	6 -122.1	0	0	6	24 4.40	4	1 5
9	44.5	10	4.0	3 72	0	28 2	0	17	633	7 -136.5	0	0	8	18 5.14	4.8	5 4

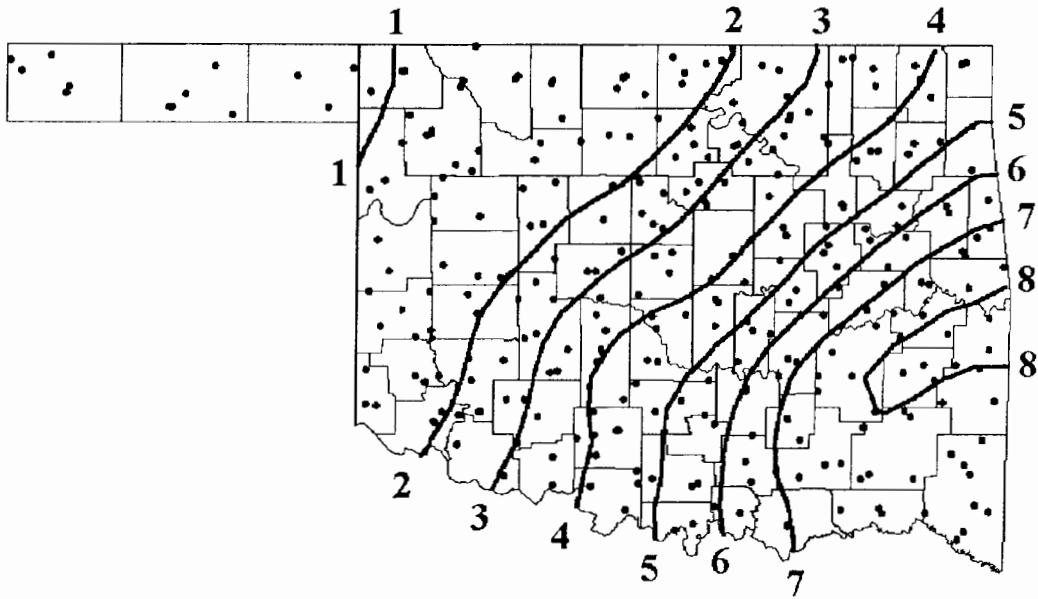
MESONET MONTHLY SUMMARY FOR JANUARY 1998

NAME	MEAN MAX		MIN			HDD	CDD	TOT MAX			NAME	MEAN MAX		MIN			HDD	CDD	TOT MAX		
	TEMP	TEMP	DAY	TEMP	DAY			PPT	24-HR	DAY		TEMP	TEMP	DAY	TEMP	DAY			HDD	PPT	24-HR
PANHANDLE																					
Arnett	38.0	69	2	17	10	836	0	.45	.22	31	Goodwell	36.5	65	27	12	10	882	0	.10	.07	4
Beaver	34.6	68	27	9	10	942	0	.18	.07	4	Hooker	35.6	66	30	12	10	910	0	.17	.07	4
Boise City	36.1	68	27	10	8	896	0	.01	.01	4	Kenton	36.5	69	2	11	8	882	0	.02	.01	3
Buffalo	36.2	68	27	14	10	893	0	1.14	.51	5	Slapout	36.0	68	27	9	10	898	0	.46	.23	5
NORTH CENTRAL																					
Alva	37.0	68	28	16	13	867	0	1.28	.60	5	May Ranch	36.2	68	27	11	13	893	0	1.05	.49	31
Blackwell	37.9	69	3	15	13	840	0	1.36	.84	4	Medford	37.1	67	2	15	13	865	0	1.83	1.07	31
Breckenridge	38.2	69	3	18	13	832	0	2.42	1.21	31	Newkirk	36.7	69	3	13	13	876	0	1.41	.84	4
Cherokee	37.4	67	28	16	13	856	0	1.21	.46	31	Red Rock	38.2	71	3	18	19	831	0	2.10	1.46	4
Fairview	38.6	66	2	19	13	819	0	1.61	.67	31	Seiling	37.7	69	28	17	13	846	0	.89	.51	31
Freedom	36.6	69	28	15	13	879	0	1.63	.75	31	Woodward	37.8	67	27	15	13	843	0	1.73	.49	31
Lahoma	37.7	66	2	18	13	847	0	2.70	1.27	31											
NORTHEAST																					
Bixby	40.8	69	3	21	23	750	0	4.08	1.41	4	Nowata	37.7	66	3	17	23	847	0	4.29	1.67	4
Burbank	38.0	72	3	17	13	836	0	2.72	1.25	4	Pawnee	38.8	73	3	18	19	811	0	3.00	1.55	4
Catoosa	40.6	68	3	19	19	682	0	3.45	1.47	4	Pryor	39.5	68	3	19	19	791	0	4.14	1.30	4
Claremore	39.2	69	3	18	19	800	0	3.97	1.18	4	Skiatook	39.1	69	3	19	19	801	0	4.74	1.97	4
Copan	37.5	69	3	17	19	852	0	2.78	1.31	4	Tullahassee	41.5	66	3	21	19	729	0	5.74	2.05	4
Foraker	37.1	71	3	15	13	866	0	1.87	1.06	4	Vinita	37.9	68	3	16	19	841	0	3.52	.98	4
Jay	40.2	65	3	16	23	767	0	5.17	1.75	4	Wynona	38.2	71	3	18	19	831	0	3.64	1.62	4
Miami	39.0	66	3	19	19	806	0	3.94	.94	4											
WEST CENTRAL																					
Bessie	39.8	68	2	22	13	780	0	2.20	1.36	31	Putnam	38.0	67	28	18	13	838	0	1.42	1.11	31
Butler	39.1	69	28	19	19	802	0	1.74	1.02	31	Retrop	40.5	69	2	23	10	760	0	2.43	2.09	31
Camargo	38.0	67	2	19	9	838	0	1.55	.90	31	Watonga	38.6	65	2	19	13	817	0	1.71	.69	31
Cheyenne	40.0	68	28	19	10	773	0	2.46	1.47	31	Weatherford	38.9	66	2	20	13	810	0	1.52	.67	31
Erick	39.7	68	2	18	24	785	0	1.50	1.08	31											
CENTRAL																					
Acme	42.2	71	2	21	23	705	0	5.02	2.47	4	Minco	40.3	70	3	22	13	767	0	5.14	2.57	31
Bowlegs	41.5	68	3	19	23	730	0	5.59	2.46	4	Ninnekah	41.4	71	2	22	23	732	0	5.95	3.12	4
Bristow	40.5	69	3	19	23	760	0	4.27	1.24	4	Norman	40.9	71	3	22	19	746	0	4.78	2.09	4
Chandler	40.6	70	3	22	19	755	0	4.15	1.39	4	Oilton	39.2	72	3	17	19	798	0	5.57	1.72	4
Chickasha	40.9	70	2	21	24	747	0	6.29	3.55	4	Okemah	41.2	67	3	21	19	736	0	5.23	2.00	4
El Reno	38.7	70	3	18	15	815	0	3.02	1.08	31	Perkins	39.3	69	3	21	13	796	0	2.99	1.44	4
Guthrie	39.7	70	2	18	15	783	0	2.55	1.13	4	Shawnee	41.2	68	3	22	19	738	0	4.45	1.76	4
Kingfisher	39.1	69	2	20	15	803	0	3.10	1.17	31	Spencer	40.8	71	3	20	15	749	0	4.84	2.29	4
Marena	39.6	72	3	19	19	787	0	2.71	1.50	4	Stillwater	38.7	73	3	19	15	816	0	4.00	2.64	4
Marshall	38.9	69	2	20	15	810	0	2.21	1.20	4	Washington	42.4	71	3	22	15	703	0	5.71	3.60	4
EAST CENTRAL																					
Calvin	42.2	66	3	22	23	705	0	7.96	3.62	4	Preston	41.5	69	3	21	19	727	0	4.52	1.56	4
Cookson	42.0	64	28	18	24	712	0	9.93	5.39	4	Sallisaw	42.1	65	2	21	24	710	0	8.36	3.85	4
Eufaula	42.1	65	3	24	19	710	0	8.01	3.50	4	Stigler	43.0	66	3	24	16	681	0	8.16	2.96	4
Haskell	40.8	67	3	22	19	749	0	4.90	1.82	4	Stuart	42.3	64	3	23	19	705	0	8.21	3.21	4
Hectorville	41.6	69	3	21	19	726	0	3.90	1.55	4	Tahlequah	40.6	65	3	17	23	757	0	5.81	2.63	4
McAlester	42.9	67	30	22	19	684	0	8.35	2.63	4	Webbers Falls	42.6	67	3	25	19	694	0	9.19	4.82	4
Okmulgee	41.1	67	3	19	23	740	0	5.89	2.25	4	Westville	41.4	63	3	20	19	732	0	5.44	2.63	4
SOUTHWEST																					
Altus	41.0	70	2	19	16	456	0	1.46	.85	31	Hollis	42.1	71	2	20	24	709	0	.75	.41	31
Apache	40.7	69	2	23	13	753	0	5.25	2.31	31	Mangum	40.8	70	2	20	15	749	0	2.56	2.21	31
Fort Cobb	40.8	69	2	23	13	749	0	3.09	1.15	31	Medicine Park	42.2	70	2	23	13	708	0	5.04	2.19	4
Grandfield	44.0	73	2	21	23	651	0	3.49	1.14	31	Tipton	43.8	71	2	25	15	656	0	2.66	1.01	3
Hinton	39.0	68	3	20	13	806	0	2.07	.98	31	Walters	43.8	73	2	23	15	657	0	3.48	1.29	4
Hobart	40.4	68	2	23	15	763	0	1.76	.94	31											
SOUTH CENTRAL																					
Ada	42.0	65	3	21	23	711	0	7.77	3.50	4	Lane	44.1	65	3	24	24	648	0	7.46	2.55	4
Ardmore	44.4	67	28	26	23	640	0	6.50	1.80	4	Madill	44.7	67	3	24	23	629	0	6.54	1.86	5
Burneyville	45.1	70	28	23	23	616	0	4.56	.92	4	Pauls Valley	42.8	69	3	22	24	688	0	4.60	2.28	4
Byars	42.4	68	3	22	23	699	0	5.85	3.19	4	Ringling	44.7	70	2	24	15	630	5	4.64	1.19	7
Centrahoma	43.1	66	3	20	24	677	0	8.15	2.05	4	Sulphur	42.8	67	3	21	23	687	0	7.11	2.77	4
Durant	46.5	67	3	29	23	573	0	6.88	2.28	4	Tishomingo	43.7	65	3	25	19	661	0	6.68	1.52	5
Ketchum Ranch	43.6	73	2	22	23	664	5	3.30	1.32	4	Waurika	44.9	73	2	24	23	622	0	4.18	1.32	4
SOUTHEAST																					
Antlers	45.1	67	28	23	23	616	0	9.90	5.34	4	Idabel	47.7	73	29	26	16	536	0	6.95	2.15	11
Broken Bow	47.5	70	29	25	1	542	0	7.23	2.16	11	Mt Herman	45.0	65	28	23	24	621	0	6.39	1.36	5
Clayton	44.9	67	30	23	24	623	0	8.92	4.48	4	Talihina	45.1	67	6	24	16	617	0	7.80	4.01	4
Cloudy	45.6	72	28	25	16	600	0	6.84	2.35	4	Wilburton	44.2	67	30	23	23	645	0	8.49	3.65	4
Hugo	46.1	67	3	26	23	584	0	8.41	2.94	4	Wister	44.5	67	3	22	16	634	0	*****	*****	**

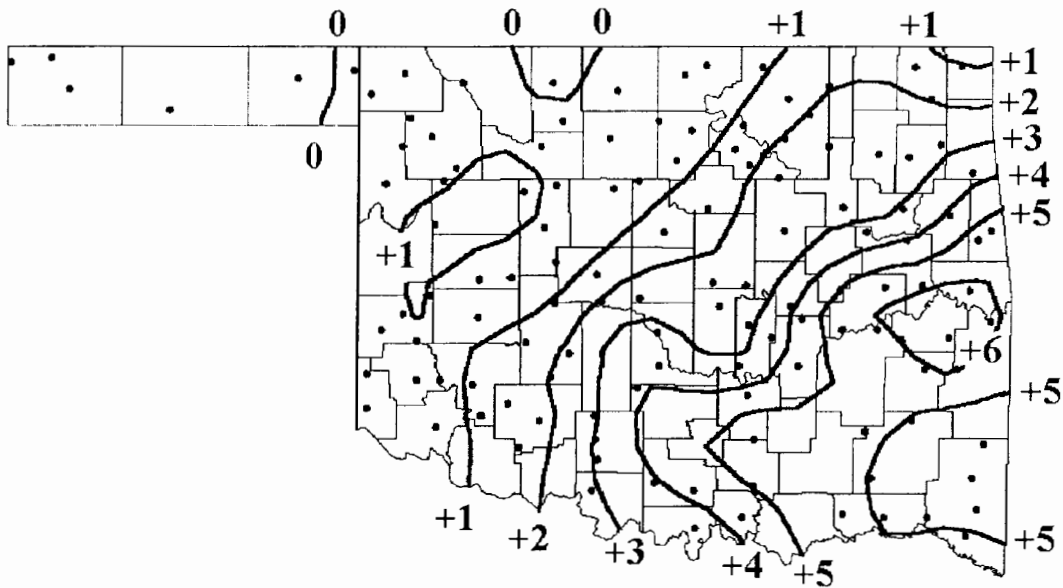
MESONET MONTHLY SUMMARY FOR DECEMBER 1997

(note: This table was unintentionally omitted from the December 1997 Monthly Summary)

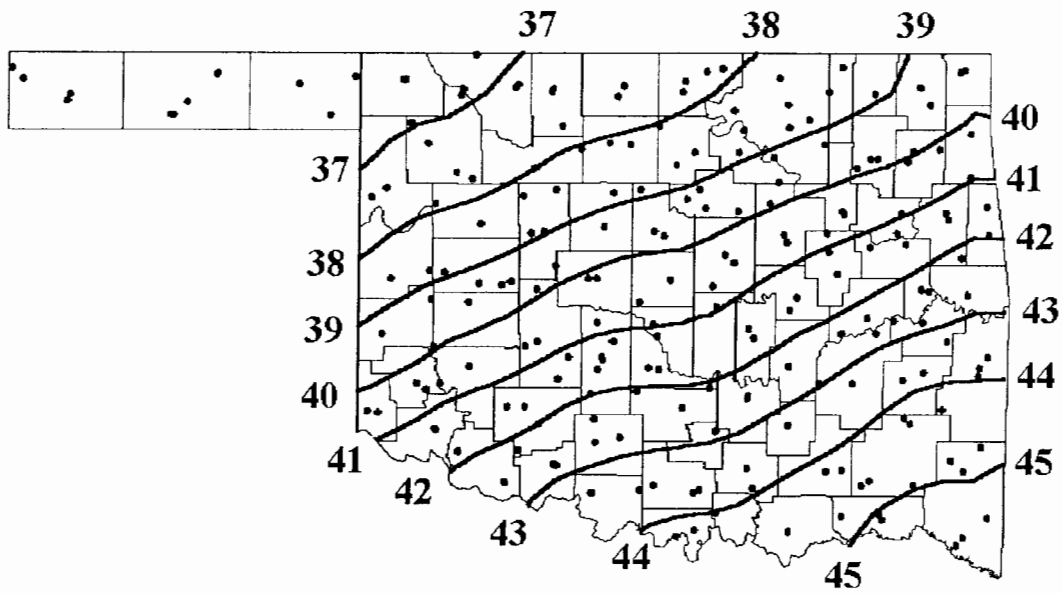
NAME	MEAN MAX		MIN		TOT MAX				NAME	MEAN MAX		MIN		TOT MAX							
	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT		24-HR	DA	TEMP	TEMP	DAY	TEMP	DAY	HDD	CDD	PPT	24-HR	DAY
PANHANDLE																					
Arnett	34.7	68	15	13	6	940	0	1.920	.65	21	Goodwell	31.8	68	15	10	25	1028	0	.870	.21	22
Beaver	31.9	69	15	11	27	1027	0	.970	.38	2	Hooker	31.4	68	15	8	27	1041	0	1.110	.25	2
Boise City	30.4	65	15	5	25	1072	0	.640	.14	29	Kenton	30.7	67	17	5	26	1062	0	.650	.18	8
Buffalo	33.8	68	15	13	26	968	0	2.230	.61	2	Slapout	32.8	69	15	12	26	997	0	1.300	.43	2
NORTH CENTRAL																					
Alva	35.8	64	15	19	5	905	0	3.580	1.13	23	May Ranch	35.1	65	15	16	12	927	0	2.790	.60	2
Blackwell	37.4	64	18	20	13	856	0	3.590	1.17	21	Medford	36.8	60	15	20	6	874	0	3.160	1.13	21
Breckenridge	37.3	62	15	19	6	859	0	3.690	1.19	23	Newkirk	36.0	63	18	17	6	899	0	3.500	.97	21
Cherokee	36.6	63	15	20	5	880	0	3.960	1.20	21	Red Rock	37.6	67	18	17	6	849	0	3.510	1.07	21
Fairview	37.6	64	15	19	5	850	0	3.870	1.23	23	Seiling	36.0	64	15	17	5	897	0	3.800	1.24	23
Freedom	34.5	67	15	14	12	946	0	3.940	.88	21	Woodward	34.9	66	15	15	5	932	0	2.750	.67	21
Lahoma	36.9	62	15	21	5	872	0	3.720	1.30	23											
NORTHEAST																					
Bixby	39.7	70	19	19	13	784	0	4.720	1.69	23	Nowata	37.1	67	19	16	6	865	0	4.210	.95	23
Burbank	37.0	66	18	15	13	867	0	4.030	1.22	23	Pawnee	37.8	66	18	15	13	843	0	4.050	1.26	23
Catoosa	38.5	68	19	18	6	821	0	8.480	2.22	24	Pryor	37.7	67	19	18	13	845	0	4.080	1.29	21
Claremore	38.3	69	19	17	6	828	0	4.350	1.24	23	Skiatook	38.1	68	19	19	5	832	0	4.920	1.47	23
Copan	37.2	66	19	17	13	862	0	4.340	.97	21	Tullahassee	39.8	69	19	20	6	782	0	5.040	1.68	23
Foraker	36.1	67	18	15	5	897	0	3.620	1.06	21	Vinita	36.6	67	19	15	6	881	0	4.230	1.12	21
Jay	37.5	68	19	16	6	851	0	3.900	.97	21	Wynona	37.7	67	18	16	13	846	0	4.170	1.12	23
Miami	37.1	66	19	18	6	865	0	4.230	1.04	21											
WEST CENTRAL																					
Bessie	38.5	65	15	18	5	823	0	3.220	.97	23	Putnam	36.3	64	15	17	6	889	0	3.320	1.18	23
Butler	37.3	66	15	16	6	858	0	3.200	1.05	23	Retrop	38.5	63	15	19	12	822	0	3.030	.96	21
Camargo	35.6	66	15	14	6	911	0	2.640	1.05	23	Watonga	37.5	62	15	19	12	851	0	3.870	1.37	23
Cheyenne	37.1	64	15	15	12	865	0	3.140	1.28	23	Weatherford	36.9	66	18	16	12	871	0	3.150	1.03	23
Erick	37.0	65	15	16	6	869	0	2.660	1.00	23											
CENTRAL																					
Acme	39.4	68	19	16	13	794	0	4.040	1.23	23	Minco	38.7	67	19	16	13	815	0	4.330	1.59	23
Bowlegs	39.8	70	19	15	13	782	0	4.430	1.42	23	Ninnekah	39.5	68	19	15	13	791	0	2.910	1.24	23
Bristow	39.0	70	19	16	13	806	0	4.240	1.41	21	Norman	39.4	69	19	18	13	793	0	3.920	1.62	23
Chandler	39.2	69	19	17	13	800	0	4.020	1.52	23	Oilton	38.1	70	19	14	13	833	0	4.150	1.61	23
Chickasha	38.9	69	19	15	13	808	0	4.110	1.42	23	Okemah	39.7	68	19	17	13	783	0	4.700	1.53	23
El Reno	37.3	64	15	15	6	857	0	3.740	1.45	23	Perkins	38.4	65	18	19	6	825	0	3.610	1.23	23
Guthrie	38.4	65	18	17	13	825	0	4.170	1.57	23	Shawnee	39.3	67	19	19	13	796	0	4.180	1.43	23
Kingfisher	37.7	63	15	17	13	846	0	3.630	1.35	23	Spencer	39.1	68	19	18	12	802	0	3.890	1.53	23
Marena	38.6	67	18	18	6	817	0	3.490	1.06	21	Stillwater	37.9	67	18	16	6	839	0	3.890	1.22	23
Marshall	37.7	64	18	17	13	845	0	3.340	1.28	23	Washington	39.9	69	19	17	13	778	0	4.280	1.59	23
EAST CENTRAL																					
Calvin	40.9	71	19	19	13	748	0	4.740	1.51	23	Preston	39.8	71	19	18	6	780	0	8.680	2.82	21
Cookson	38.3	69	19	14	6	827	0	4.970	1.60	21	Sallisaw	38.9	69	19	18	6	808	0	4.750	1.17	23
Eufaula	41.0	69	19	21	6	744	0	5.870	2.12	23	Stigler	40.4	69	19	21	6	764	0	5.470	2.04	23
Haskell	39.5	69	19	20	6	789	0	5.130	1.76	23	Stuart	40.6	68	19	19	6	755	0	5.350	1.76	23
Hectorville	40.0	71	19	19	6	776	0	8.790	2.88	21	Tahlequah	37.6	69	19	16	6	849	0	4.030	1.20	21
McAlester	40.6	69	19	17	6	756	0	5.710	1.59	23	Webbers Falls	40.2	71	19	22	6	770	0	5.340	1.66	23
Okmulgee	40.0	70	19	18	13	774	0	5.230	1.64	21	Westville	37.8	67	19	17	6	843	0	4.030	1.11	21
SOUTHWEST																					
Altus	39.8	68	15	19	13	780	0	3.230	1.07	23	Hollis	39.4	68	15	19	12	794	0	2.930	1.03	23
Apache	38.6	67	19	19	12	819	0	3.830	.90	23	Mangum	38.5	66	15	17	13	821	0	2.850	1.04	23
Fort Cobb	38.8	64	15	18	13	813	0	3.480	1.42	23	Medicine Park	40.2	68	19	20	12	769	0	3.300	.87	23
Grandfield	40.0	70	19	16	13	774	0	4.050	1.13	20	Tipton	39.8	69	15	18	13	781	0	3.170	.87	20
Hinton	37.5	62	15	18	13	853	0	3.110	1.39	23	Walters	40.4	69	15	16	13	764	0	4.050	.96	23
Hobart	38.4	64	19	18	13	824	0	3.050	.98	23											
SOUTH CENTRAL																					
Ada	40.7	69	19	18	13	752	0	3.480	1.44	23	Lane	41.8	66	9	23	6	719	0	6.550	1.97	20
Ardmore	42.2	68	19	20	13	708	0	4.490	1.27	20	Madill	42.3	66	9	17	13	703	0	4.730	1.71	20
Burneyville	41.8	69	19	16	13	718	0	4.700	1.50	20	Pauls Valley	40.9	70	19	18	13	747	0	4.870	1.55	23
Byars	40.5	69	19	18	13	759	0	4.690	1.64	23	Ringling	41.2	71	19	16	13	736	0	5.410	1.81	23
Centrahoma	41.1	69	19	17	13	741	0	5.670	1.57	20	Sulphur	40.4	69	19	15	13	763	0	3.950	1.04	23
Durant	43.7	69	9	25	13	661	0	7.500	3.39	20	Tishomingo	41.3	68	19	18	13	733	0	5.040	1.31	20
Ketchum Ranch	40.6	70	19	17	13	755	0	4.690	1.36	20	Waurika	41.5	71	19	18	13	729	0	4.430	1.11	20
SOUTHEAST																					
Antlers	41.8	68	19	23	4	720	0	6.740	1.99	20	Idabel	42.7	68	19	23	14	690	0	5.890	1.61	23
Broken Bow	42.3	69	19	22	6	704	0	5.200	1.74	23	Mt Herman	40.1	64	19	21	6	773	0	7.680	2.43	20
Clayton	41.5	68	19	23	15	727	0	6.870	1.76	20	Talihina	40.7	67	19	21	14	753	0	6.710	2.02	23
Cloudy	41.3	66	19	23	31	736	0	7.240	1.84	23	Wilburton	40.8	68	19	21	6	751	0	5.240	1.50	23
Hugo	42.6	66	19	24	6	695	0	7.100	2.20	20	Wister	39.7	69	19	18	6	785	0	5.110	1.42	23



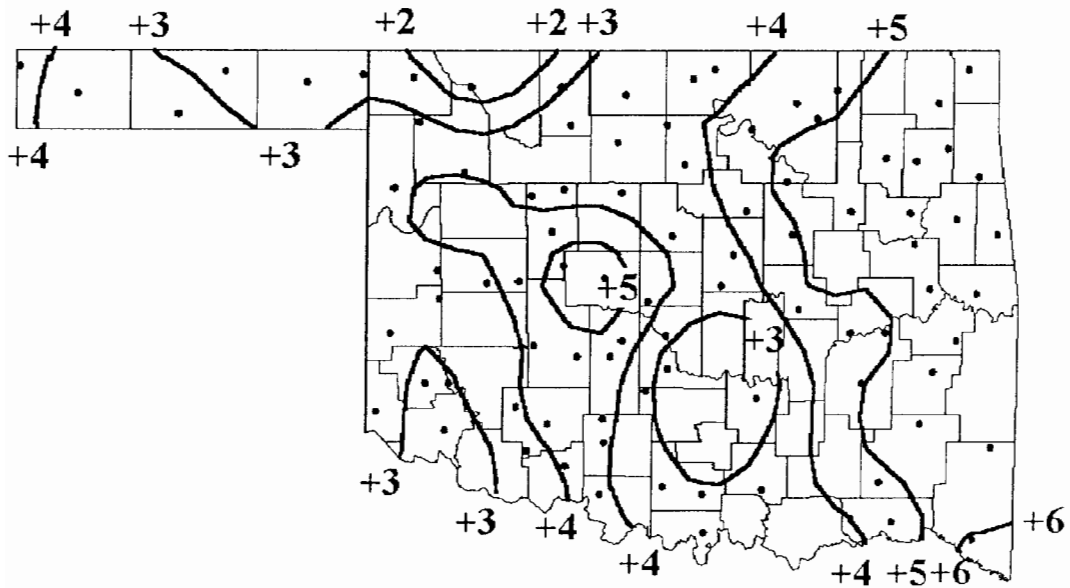
JANUARY 1998 TOTAL PRECIPITATION
(INCHES)



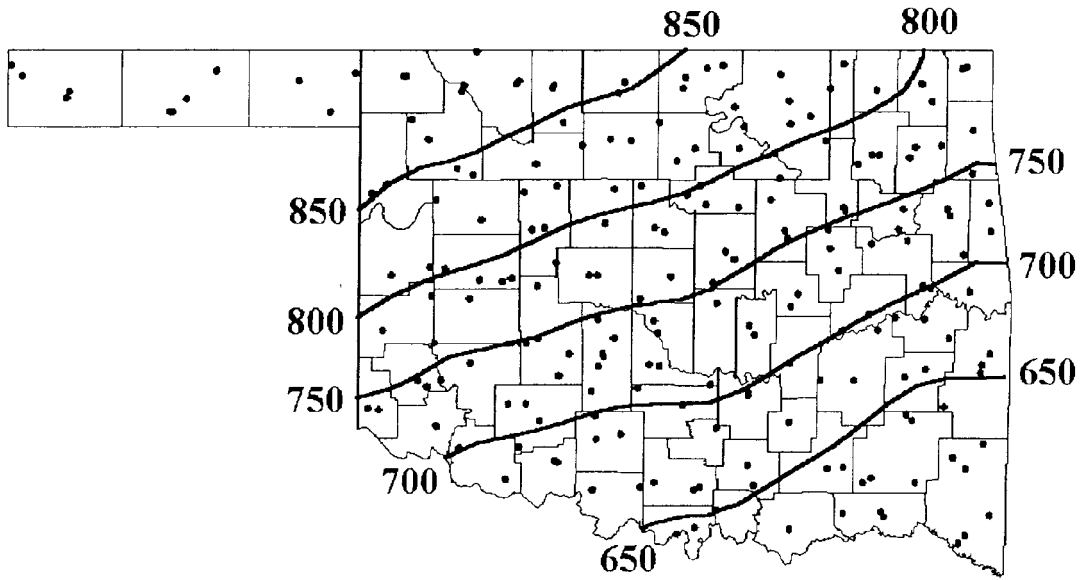
JANUARY 1998 DEPARTURE FROM NORMAL PRECIPITATION
(INCHES)



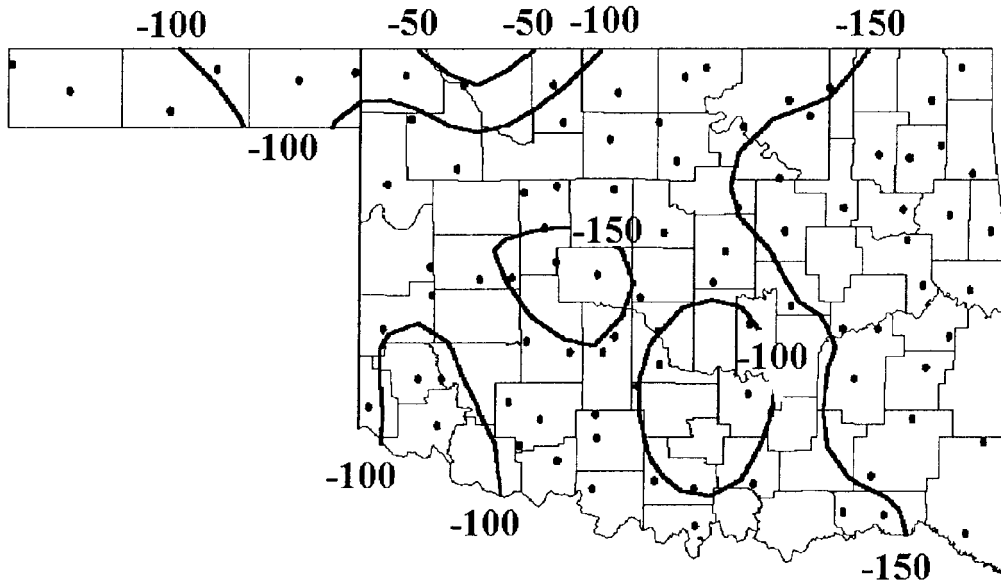
JANUARY 1998 AVERAGE MONTHLY TEMPERATURE (°F)



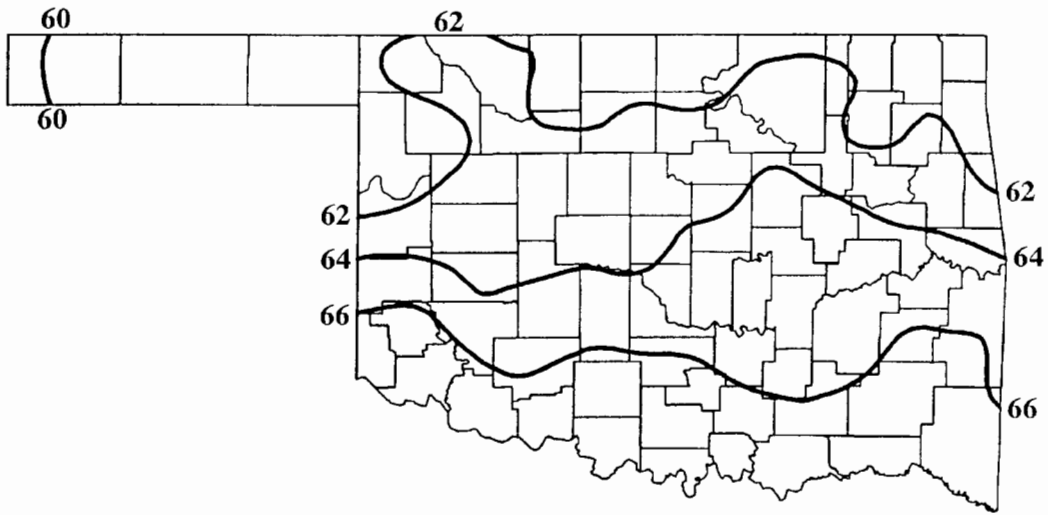
JANUARY 1998 DEPARTURE FROM NORMAL TEMPERATURE (°F)



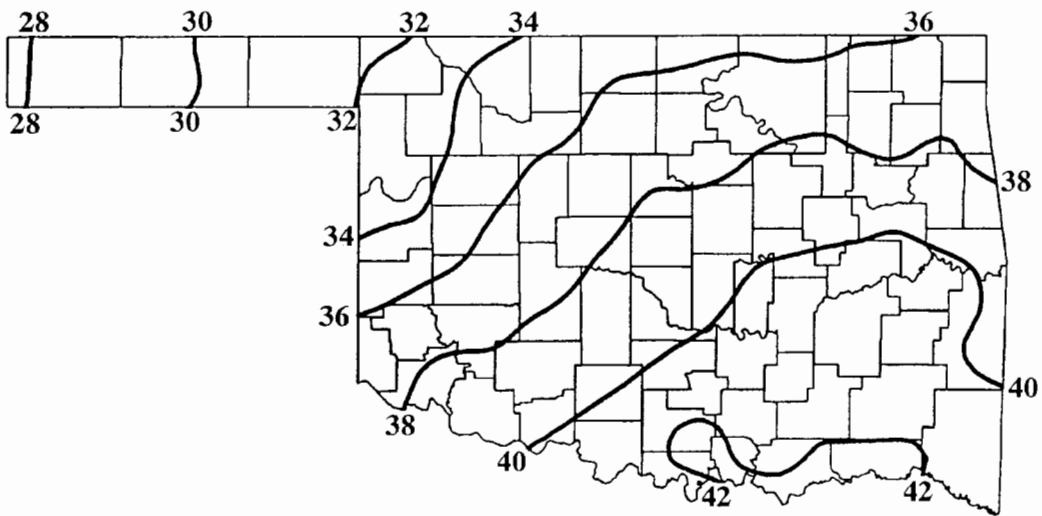
JANUARY 1998 ACCUMULATED HEATING DEGREE DAYS
(°F)



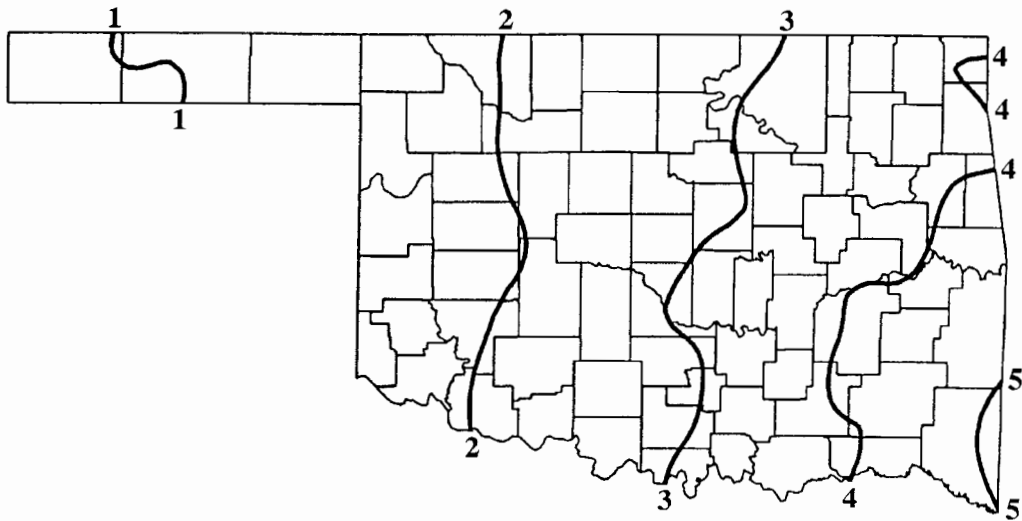
JANUARY 1998 DEPARTURE FROM NORMAL HEATING DEGREE DAYS
(°F)



MARCH NORMAL DAILY MAXIMUM TEMPERATURE (°F)



MARCH NORMAL DAILY MINIMUM TEMPERATURE (°F)



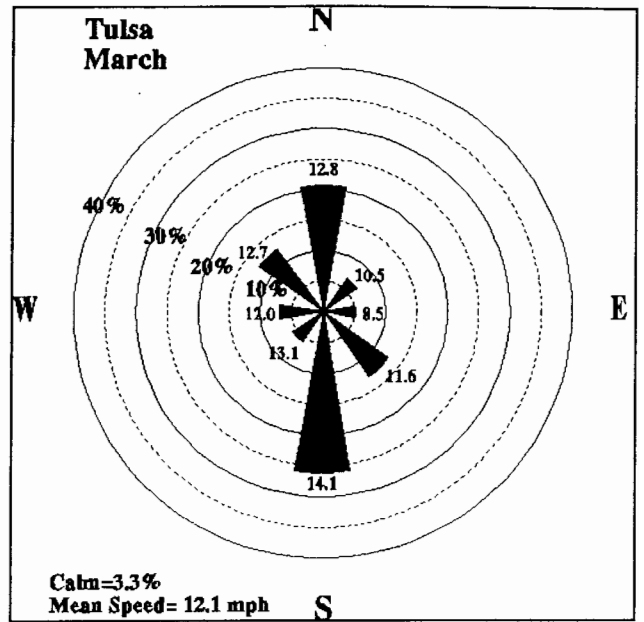
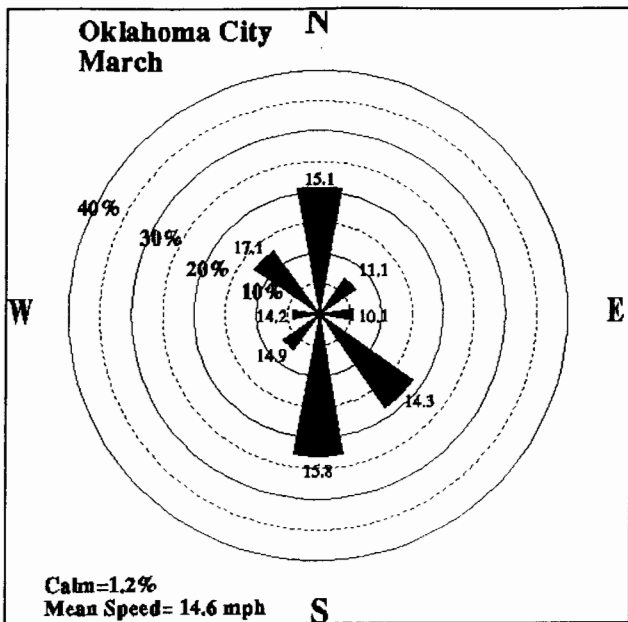
MARCH NORMAL MONTHLY PRECIPITATION (inches)

OUTLOOK FOR MARCH THROUGH MAY 1998

BASED ON SEASONAL OUTLOOKS PROVIDED BY THE CLIMATE PREDICTION CENTER

TEMPERATURE: Lower Than Normal Southwest
Near Normal Elsewhere

PRECIPITATION: Greater Than Normal West
Near Normal Elsewhere



March 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.

SUNRISE/SUNSET TIMES FOR MARCH 1998

OKLAHOMA CITY

TULSA

DATE	SUNRISE	SUNSET	DAYLIGHT
98 3 1	7: 2AM	6:25PM CST	11 hrs 23 mins
98 3 2	7: 0AM	6:26PM CST	11 hrs 25 mins
98 3 3	6:59AM	6:26PM CST	11 hrs 27 mins
98 3 4	6:58AM	6:27PM CST	11 hrs 29 mins
98 3 5	6:57AM	6:28PM CST	11 hrs 32 mins
98 3 6	6:55AM	6:29PM CST	11 hrs 34 mins
98 3 7	6:54AM	6:30PM CST	11 hrs 36 mins
98 3 8	6:53AM	6:31PM CST	11 hrs 38 mins
98 3 9	6:51AM	6:32PM CST	11 hrs 41 mins
98 3 10	6:50AM	6:33PM CST	11 hrs 43 mins
98 3 11	6:48AM	6:33PM CST	11 hrs 45 mins
98 3 12	6:47AM	6:34PM CST	11 hrs 47 mins
98 3 13	6:46AM	6:35PM CST	11 hrs 49 mins
98 3 14	6:44AM	6:36PM CST	11 hrs 52 mins
98 3 15	6:43AM	6:37PM CST	11 hrs 54 mins
98 3 16	6:41AM	6:38PM CST	11 hrs 56 mins
98 3 17	6:40AM	6:38PM CST	11 hrs 58 mins
98 3 18	6:39AM	6:39PM CST	12 hrs 1 mins
98 3 19	6:37AM	6:40PM CST	12 hrs 3 mins
98 3 20	6:36AM	6:41PM CST	12 hrs 5 mins
98 3 21	6:34AM	6:42PM CST	12 hrs 7 mins
98 3 22	6:33AM	6:43PM CST	12 hrs 10 mins
98 3 23	6:31AM	6:43PM CST	12 hrs 12 mins
98 3 24	6:30AM	6:44PM CST	12 hrs 14 mins
98 3 25	6:29AM	6:45PM CST	12 hrs 16 mins
98 3 26	6:27AM	6:46PM CST	12 hrs 19 mins
98 3 27	6:26AM	6:47PM CST	12 hrs 21 mins
98 3 28	6:24AM	6:47PM CST	12 hrs 23 mins
98 3 29	6:23AM	6:48PM CST	12 hrs 25 mins
98 3 30	6:21AM	6:49PM CST	12 hrs 28 mins
98 3 31	6:20AM	6:50PM CST	12 hrs 30 mins

DATE	SUNRISE	SUNSET	DAYLIGHT
98 3 1	6:56AM	6:17PM CST	11 hrs 22 mins
98 3 2	6:54AM	6:18PM CST	11 hrs 24 mins
98 3 3	6:53AM	6:19PM CST	11 hrs 26 mins
98 3 4	6:52AM	6:20PM CST	11 hrs 28 mins
98 3 5	6:50AM	6:21PM CST	11 hrs 31 mins
98 3 6	6:49AM	6:22PM CST	11 hrs 33 mins
98 3 7	6:48AM	6:23PM CST	11 hrs 35 mins
98 3 8	6:46AM	6:24PM CST	11 hrs 38 mins
98 3 9	6:45AM	6:25PM CST	11 hrs 40 mins
98 3 10	6:43AM	6:25PM CST	11 hrs 42 mins
98 3 11	6:42AM	6:26PM CST	11 hrs 44 mins
98 3 12	6:41AM	6:27PM CST	11 hrs 47 mins
98 3 13	6:39AM	6:28PM CST	11 hrs 49 mins
98 3 14	6:38AM	6:29PM CST	11 hrs 51 mins
98 3 15	6:36AM	6:30PM CST	11 hrs 54 mins
98 3 16	6:35AM	6:31PM CST	11 hrs 56 mins
98 3 17	6:33AM	6:32PM CST	11 hrs 58 mins
98 3 18	6:32AM	6:32PM CST	12 hrs 1 mins
98 3 19	6:30AM	6:33PM CST	12 hrs 3 mins
98 3 20	6:29AM	6:34PM CST	12 hrs 5 mins
98 3 21	6:28AM	6:35PM CST	12 hrs 7 mins
98 3 22	6:26AM	6:36PM CST	12 hrs 10 mins
98 3 23	6:25AM	6:37PM CST	12 hrs 12 mins
98 3 24	6:23AM	6:38PM CST	12 hrs 14 mins
98 3 25	6:22AM	6:38PM CST	12 hrs 17 mins
98 3 26	6:20AM	6:39PM CST	12 hrs 19 mins
98 3 27	6:19AM	6:40PM CST	12 hrs 21 mins
98 3 28	6:17AM	6:41PM CST	12 hrs 24 mins
98 3 29	6:16AM	6:42PM CST	12 hrs 26 mins
98 3 30	6:14AM	6:43PM CST	12 hrs 28 mins
98 3 31	6:13AM	6:43PM CST	12 hrs 31 mins

Deviation from Normal Cooling Degree Days: A positive value indicates higher than normal cooling requirements for the month as a whole. A negative value indicates lower than normal cooling requirements for the month as a whole. Normal cooling degree days may be found by subtracting the deviation from the observed cooling degree days.

Total Precipitation: Often incorrectly referred to as mean precipitation, this value is the sum of all precipitation reported during the month at a station. If snow occurred, it is to be melted and its water equivalent recorded.

Number of Precipitation Observations: The number of days a rain or no-rain observation was reported. Missing observations frequently result in artificially low total precipitation values.

Deviation from Normal Precipitation: A positive value indicates more rain than normal was received. A negative value indicates less than was expected rainfall was received. Normal rainfall may be calculated by subtracting the deviation from monthly total.

Maximum 24-Hour Report and Day: The maximum amount of precipitation recorded during the station's 24-hour observation period for the current month and year and the day on which it was recorded.

The second set of tables contain similar information but are the average or extreme over all the stations reporting in each climate division.

MARCH

Normal values are calculated for the period 1961-1990. Extremes are found for the period of record (1891-present).

Normal 1 Actual	Normal 2 Actual	Normal 3 Actual	Normal 4 Actual	Normal 5 Actual	Normal 6 Actual	Normal 7 Actual	
46.5 max 26.5 min 0.2 ppt 28 rdd 0 cdd	47.1 max 27.4 min 0.07 ppt 28 rdd 0 cdd	45.6 max 25.0 min 0.06 ppt 30 rdd 0 cdd	43.8 max 25.2 min 0.02 ppt 31 rdd 0 cdd	46.8 max 26.5 min 0.06 ppt 28 rdd 0 cdd	47.8 max 25.1 min 0.02 ppt 29 rdd 0 cdd	44.9 max 24.2 min 0.01 ppt 30 rdd 0 cdd	
Highest Max 74-1910	Highest Max 70-1804	Highest Max 71-1938	Highest Max 72-1827	Highest Max 71-1927	Highest Max 66-1921	Highest Max 73-1965	
Lowest Min 13-1979	Lowest Min 13-1911	Lowest Max 10-1919	Lowest Max 11-1959	Lowest Max 18-1924	Lowest Max 1-4-1908	Lowest Max 15-1913	
Highest Min 51-1966	Lowest Min -2-1911	Lowest Min -9-1971	Lowest Min -7-1947	Lowest Min -2-1855	Lowest Min -2-1912	Lowest Min -3-1912	
Greatest ppt 03-1892	Highest Min 56-1950	Highest Min 56-1967	Highest Min 60-1955	Highest Min 48-1946	Highest Min 52-1907	Highest Min 51-1907	
Normal 8 Actual	Normal 9 Actual	Normal 10 Actual	Normal 11 Actual	Normal 12 Actual	Normal 13 Actual	Normal 14 Actual	
46.9 max 23.5 min 0.03 ppt 30 rdd 0 cdd	44.8 max 23.5 min 0.02 ppt 31 rdd 0 cdd	42.6 max 22.7 min 0.02 ppt 32 rdd 0 cdd	44.1 max 22.6 min 0.01 ppt 32 rdd 0 cdd	46.5 max 25.1 min 0.09 ppt 30 rdd 0 cdd	47.0 max 25.3 min 0.01 ppt 29 rdd 0 cdd	48.3 max 26.3 min 0.02 ppt 28 rdd 0 cdd	
Highest Max 71-1929	Highest Max 70-1902	Highest Max 75-1990	Highest Max 77-1911	Highest Max 73-1935	Highest Max 74-1966	Highest Max 75-1929	
Lowest Min 11-1997	Lowest Max 8-1977	Lowest Max 13-1862	Lowest Max 2-1918	Lowest Max 5-1912	Lowest Max 11-1905	Lowest Max 12-1905	
Lowest Min -4-1988	Lowest Min -2-1977	Lowest Min -8-1977	Lowest Min -7-1918	Lowest Min -7-1912	Lowest Min -4-1916	Lowest Min -1-1905	
Highest Min 49-1949	Highest Min 46-1966	Highest Min 47-1928	Highest Min 50-1898	Highest Min 51-1960	Highest Min 51-1982	Highest Min 50-1929	
Greatest ppt 1-05-1905	Greatest ppt 07-1907	Greatest ppt 05-1906	Greatest ppt 1-10-1916	Greatest ppt 7-0-1927	Greatest ppt 7-8-1982	Greatest ppt 06-1988	
Normal 15 Actual	Normal 16 Actual	Normal 17 Actual	Normal 18 Actual	Normal 19 Actual	Normal 20 Actual	Normal 21 Actual	
49.2 max 25.5 min 0.02 ppt 28 rdd 0 cdd	46.5 max 25.5 min 0.04 ppt 29 rdd 0 cdd	47.6 max 26.1 min 0.04 ppt 28 rdd 0 cdd	46.4 max 25.7 min 0.10 ppt 29 rdd 0 cdd	44.1 max 25.1 min 0.09 ppt 30 rdd 0 cdd	45.9 max 25.0 min 0.02 ppt 30 rdd 0 cdd	45.6 max 25.0 min 0.08 ppt 29 rdd 0 cdd	
Highest Max 77-1914	Highest Max 76-1894	Highest Max 79-1884	Highest Max 74-1951	Highest Max 75-1914	Highest Max 80-1986	Highest Max 71-1907	
Lowest Min 14-1930	Lowest Max 11-1930	Lowest Max 8-1930	Lowest Max 8-1982	Lowest Max 12-1982	Lowest Max 19-1894	Lowest Max 12-1954	
Lowest Min -2-1905	Lowest Min 0-1980	Lowest Min -9-1930	Lowest Min -9-1930	Lowest Min -11-1882	Lowest Min 1-1985	Lowest Min -3-1930	
Highest Min 53-1969	Highest Min 57-1950	Highest Min 62-1894	Highest Min 48-1895	Highest Min 54-1904	Highest Min 53-1921	Highest Min 56-1921	
Greatest ppt 1-07-1932	Greatest ppt 07-1990	Greatest ppt 1-16-1926	Greatest ppt 1-07-1968	Greatest ppt 1-07-1968	Greatest ppt 1-29-1904	Greatest ppt 1-04-1932	
Normal 22 Actual	Normal 23 Actual	Normal 24 Actual	Normal 25 Actual	Normal 26 Actual	Normal 27 Actual	Normal 28 Actual	
64.4 max 37.8 min 0.08 ppt 14 rdd 0 cdd	63.3 max 38.7 min 0.19 ppt 14 rdd 0 cdd	61.4 max 39.6 min 0.05 ppt 15 rdd 0 cdd	61.0 max 39.5 min 0.10 ppt 16 rdd 0 cdd	63.1 max 40.4 min 0.06 ppt 14 rdd 0 cdd	65.2 max 41.3 min 0.10 ppt 12 rdd 0 cdd	65.2 max 43.5 min 0.13 ppt 11 rdd 0 cdd	
Highest Max 86-1995	Highest Max 88-1929	Highest Max 91-1929	Highest Max 88-1976	Highest Max 85-1972	Highest Max 90-1895	Highest Max 88-1929	
Lowest Min 33-1919	Lowest Max 36-1974	Lowest Max 36-1966	Lowest Max 33-1964	Lowest Max 33-1957	Lowest Max 32-1899	Lowest Max 36-1931	
Lowest Min 13-1955	Lowest Min 20-1898	Lowest Min 23-1865	Lowest Min 18-1955	Lowest Min 13-1925	Lowest Min 13-1913	Lowest Min 16-1931	
Highest Min 63-1907	Highest Min 64-1907	Highest Min 54-1904	Highest Min 54-1907	Highest Min 67-1907	Highest Min 68-1907	Highest Min 62-1906	
Greatest ppt 1-37-1979	Greatest ppt 2-35-1994	Greatest ppt 1-82-1920	Greatest ppt 1-05-1922	Greatest ppt 2-02-1998	Greatest ppt 2-08-1912	Greatest ppt 2-04-1989	
Normal 29 Actual	Normal 30 Actual	Normal 31 Actual	MARCH AVERAGES				
63.3 max 42.2 min 0.05 ppt 13 rdd 1 cdd	63.3 max 41.7 min 0.19 ppt 13 rdd 0 cdd	68.0 max 43.8 min 0.05 ppt 10 rdd 1 cdd	TEMPERATURE : 49.4°F				
PRECIPITATION : 2.52"				HEATING DEGREE DAYS : 492			
COOLING DEGREE DAYS : 3							

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THE DATA ON THIS CALENDAR ARE FOR LUISA. NORMAL values are calculated for the period 1948-1991. Temperature extremes are for the period 1905-1992; precipitation extremes are for the period 1948-1992.

Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	Normal	Actual	
46.0 max 26.0 min .03 ppt 28 hdd 0 cdd	47.0 max 27.0 min .06 ppt 28 hdd 0 cdd	46.0 max 24.0 min -11 ppt 30 hdd 0 cdd	44.0 max 25.0 min 03 ppt 30 hdd 0 cdd	46.0 max 25.0 min .02 ppt 29 hdd 0 cdd	46.0 max 25.0 min .01 ppt 29 hdd 0 cdd	46.0 max 25.0 min .02 ppt 29 hdd 0 cdd	47.0 max 25.0 min .02 ppt 29 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	48.0 max 27.0 min .05 ppt 27 hdd 0 cdd	
Highst Max 73-1810	Highest Max 76-1997	Highest Max 75-1987	Highest Max 76-1990	Highest Max 76-1984	Highest Max 73-1884	Highest Max 69-1907	Highest Max 77-1905	Highest Max 69-1990	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952	Highest Max 75-1952
Lowest Max 19-1874	Lowest Max 25-1979	Lowest Max 14-1959	Lowest Max 11-1978	Lowest Max 12-1959	Lowest Max -7-1947	Lowest Max 20-1979	Lowest Max 15-1988	Lowest Max 18-1872	Lowest Max 16-1977	Lowest Max 14-1970	Lowest Max 5-1943	Lowest Max 4-1948	Lowest Max 16-1870	Lowest Max 13-1913	Lowest Max 17-1931	Lowest Max 16-1870
Lowest Min 0-1928	Lowest Min 3-1911	Lowest Min -2-1919	Lowest Min -3-1939	Lowest Min -8-1947	Lowest Min -7-1947	Lowest Min 0-1912	Lowest Min -6-1912	Lowest Min 0-1905	Lowest Min -1-1918	Lowest Min -3-1985	Lowest Min -1-1918	Lowest Min -1-1918	Lowest Min -1-1918	Lowest Min -1-1918	Lowest Min -1-1918	Lowest Min -1-1918
Highest Min 54-1997	Highest Min 56-1997	Highest Min 68-1997	Highest Min 63-1985	Highest Min 63-1985	Highest Min 48-1982	Highest Min 47-1985	Highest Min 48-1985	Highest Min 54-1997	Highest Min 46-1964	Highest Min 45-1973	Highest Min 57-1957	Highest Min 57-1957	Highest Min 57-1957	Highest Min 57-1957	Highest Min 57-1957	Highest Min 57-1957
Greatest ppt .50-1965	Greatest ppt .90-1951	Greatest ppt 1.12-1971	Greatest ppt .45-1984	Greatest ppt .82-1983	Greatest ppt .50-1982	Greatest ppt 61-1988	Greatest ppt 1.7-1975	Greatest ppt .75-1949	Greatest ppt .87-1977	Greatest ppt .42-1980	Greatest ppt 41-1981	Greatest ppt 54-1981	Greatest ppt .56-1973	Greatest ppt .56-1973	Greatest ppt .56-1973	Greatest ppt .56-1973
Normal 1 Actual	Normal 2 Actual	Normal 3 Actual	Normal 4 Actual	Normal 5 Actual	Normal 6 Actual	Normal 7 Actual	Normal 8 Actual	Normal 9 Actual	Normal 10 Actual	Normal 11 Actual	Normal 12 Actual	Normal 13 Actual	Normal 14 Actual	Normal 15 Actual	Normal 16 Actual	Normal 17 Actual
Normal 15 Actual	Normal 16 Actual	Normal 17 Actual	Normal 18 Actual	Normal 19 Actual	Normal 20 Actual	Normal 21 Actual	Normal 22 Actual	Normal 23 Actual	Normal 24 Actual	Normal 25 Actual	Normal 26 Actual	Normal 27 Actual	Normal 28 Actual	Normal 29 Actual	Normal 30 Actual	Normal 31 Actual

MARCH AVERAGES

TEMPERATURE : 49.7°F
 PRECIPITATION : 3.06"
 HEATING DEGREE DAYS : 477
 COOLING DEGREE DAYS : 6