

**Table 1.1 Climate Normals (1978-2007) and Extremes (1948-2008) for Oak Ridge, Tennessee (Town Site) with 2008 Comparisons**

Monthly Variables	JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F	C	F
30-Yr Avg. Max. Temperature	8.1	46.5	10.8	51.5	16.4	61.5	21.6	70.8	25.8	78.5	29.6	85.3	31.4	88.6	31.2	88.1	27.7	81.9	21.9	71.5	15.5	59.9	9.7	49.4	20.8	69.5
2008 Avg. Max. Temperature	7.9	46.3	11.7	53.1	16.1	60.9	21.2	70.2	25.0	77.0	31.3	88.4	31.4	88.6	31.2	88.2	28.9	84.1	21.7	71.1	13.3	56.0	10.3	50.5	20.9	69.5
61-Yr Record Max. Temperature	25	77	26	79	30	86	33	92	34	93	38	101	41	105	39	103	39	102	32	90	28	83	26	78	41	105
30-Yr Avg. Min. Temperature	-2.4	27.7	-1.0	30.2	2.8	37.0	7.2	45.0	12.3	54.2	17.0	62.6	19.6	67.3	19.1	66.3	15.1	59.2	8.2	46.7	2.9	37.3	-1.0	30.2	8.3	47.0
2008 Avg. Min. Temperature	-2.2	28.1	0.6	33.1	2.9	37.2	9.2	48.6	12.6	54.7	18.2	64.8	19.1	66.4	18.5	65.3	16.8	62.3	7.9	46.2	1.5	34.7	0.3	32.5	8.8	47.8
61-Yr Record Min. Temperature	-27	-17	-25	-13	-17	1	-7	20	-1	30	4	39	9	49	10	50	1	33	-6	21	-18	0	-22	-7	-27	-17
30-Yr Avg. Temperature	2.8	37.1	4.9	40.9	9.6	49.3	14.4	58.0	19.1	66.4	23.3	74.0	25.5	77.9	25.1	77.2	21.4	70.6	15.1	59.1	9.2	48.6	4.3	39.8	14.6	58.2
2008 Avg. Temperature	2.9	37.2	6.2	43.1	9.5	49.1	15.2	59.4	18.8	65.9	24.8	76.6	25.3	77.5	24.9	76.8	22.9	73.2	14.8	58.7	7.4	45.4	5.3	41.5	14.8	58.7
2008 Departure from Avg. Temp.	0.1	0.1	1.2	2.2	-0.1	-0.2	0.8	1.4	-0.3	-0.5	1.4	2.6	-0.2	-0.4	-0.2	-0.4	1.4	2.6	-0.2	-0.4	-1.8	-3.2	0.9	1.7	0.2	0.5
30-Yr Avg. Heating Degree Days	477	858	376	676	269	484	129	232	38	68	2	4	0	0	0	0	14	26	114	206	271	487	430	774	2119	3815
2008 Heating Degree Days	475	855	349	628	270	486	104	187	30	54	0	0	0	0	0	0	0	0	131	235	324	583	401	721	2083	3749
30-Yr Avg. Cooling Degree Days	0	0	0	0	2	4	14	26	65	117	156	280	226	407	215	387	111	199	17	31	1	2	0	0	807	1453
2008 Cooling Degree Days	0	0	0	0	0	0	17	30	49	88	196	353	219	395	207	372	141	254	24	43	0	0	0	0	853	1535
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
30-Yr Avg. Precipitation	122.5	4.82	119.7	4.71	126.0	4.96	114.3	4.50	118.1	4.65	108.0	4.25	137.2	5.40	82.8	3.26	95.5	3.76	69.1	2.72	122.2	4.81	124.8	4.91	1340.3	52.75
2008 Precipitation	114.1	4.49	133.4	5.25	127.3	5.01	91.7	3.61	77.5	3.05	44.2	1.74	124.5	4.90	78.3	3.08	32.3	1.27	51.1	2.01	100.6	3.96	205.3	8.08	1180.2	46.45
2008 Departure from Avg. Precip.	-8.4	-0.33	13.7	0.54	1.3	0.05	-22.6	-0.89	-40.7	-1.60	-63.8	-2.51	-12.7	-0.50	-4.6	-0.18	-63.3	-2.49	-18.0	-0.71	-21.6	-0.85	80.5	3.17	-160.1	-6.30
61-Yr Record Max. Precip.	337.2	13.27	324.7	12.78	311.0	12.24	356.5	14.03	271.9	10.70	283.0	11.14	489.6	19.27	265.8	10.46	176.6	6.95	176.6	6.95	310.5	12.22	321.2	12.64	1939.4	76.33
61-Yr Record Max. 24-hour Precip.	108.0	4.25	131.6	5.18	120.4	4.74	158.5	6.24	112.0	4.41	94.0	3.70	124.8	4.91	190.1	7.48	129.8	5.11	67.6	2.66	130.1	5.12	130.1	5.12	190.1	7.48
61-Yr Record Min. Precip.	23.6	0.93	21.3	0.84	54.1	2.13	22.4	0.88	20.3	0.80	13.5	0.53	31.3	1.23	13.7	0.54	Trace	Trace	Trace	Trace	Trace	1.37	Trace	0.67	911.4	35.87
30-Yr Avg. Snowfall	96.6	3.8	91.5	3.6	38.1	1.5	7.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Trace	Trace	43.2	1.7	276.9	10.9
2008 Snowfall	12.7	0.5	7.6	0.3	Trace	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Trace	Trace	Trace	Trace	20.3	0.8
61-Yr Record Snowfall	243.9	9.6	437.0	17.2	533.6	21.0	149.9	5.9	Trace	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Trace	Trace	165.2	6.5	533.6	21.0	1051.9	41.4
61-Yr Record 24-hour Snowfall	210.9	8.3	287.1	11.3	304.9	12.0	137.2	5.4	Trace	Trace	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Trace	Trace	165.2	6.5	304.9	12.0	304.9	12.0
	Days		Days		Days		Days		Days		Days		Days		Days		Days		Days		Days		Days		Days	
30-Yr Avg. Days Max. Temp. >= 90F	0.0		0.0		0.0		0.1		1.0		5.5		14.7		12.9		4.2		0.0		0.0		0.0		38.4	
2008 No. Days Max. Temp. >= 90F	0		0		0		0		0		16		16		14		4		3		0		0		53	
30-Yr Avg. Days Min. Temp <= 32F	21.9		16.4		11.7		2.7		0.1		0.0		0.0		0.0		0.0		2.0		11.0		19.6		85.4	
2008 Days Min. Temp <= 32F	22		16		10		0		0		0		0		0		0		0		12		17		77	
30-Yr Avg. Days Max. Temp <= 32F	2.9		1.3		0.2		0		0		0.0		0.0		0.0		0.0		0.0		0.1		1.6		6.1	
2008 Days Max. Temp <= 32F	2		0		0		0		0		0		0		0		0		0		0		1		3	
30-Yr Avg. Days Precip. >= 0.01 in.	11.5		10.7		11.6		10.4		11.6		11.2		12.5		9.7		9.1		8.1		9.7		11.0		127.1	
2008 Days Precip. >= 0.01 in.	12		12		11		8		9		8		12		5		6		7		10		15		115	
30-Yr Avg. Days Precip. >= 1.00 in.	1.3		1.2		1.5		0.8		1.4		1.3		1.4		0.7		1.2		0.7		1.3		1.3		14.1	
2008 Days Precip. >= 1.00 in.	1		2		2		1		0		0		1		1		1		1		1		2		13	

1948-1964 CHEYENNE HALL Area; 1965-1999 NOAA-ATDD; 1999-2008 KOQT ASOS