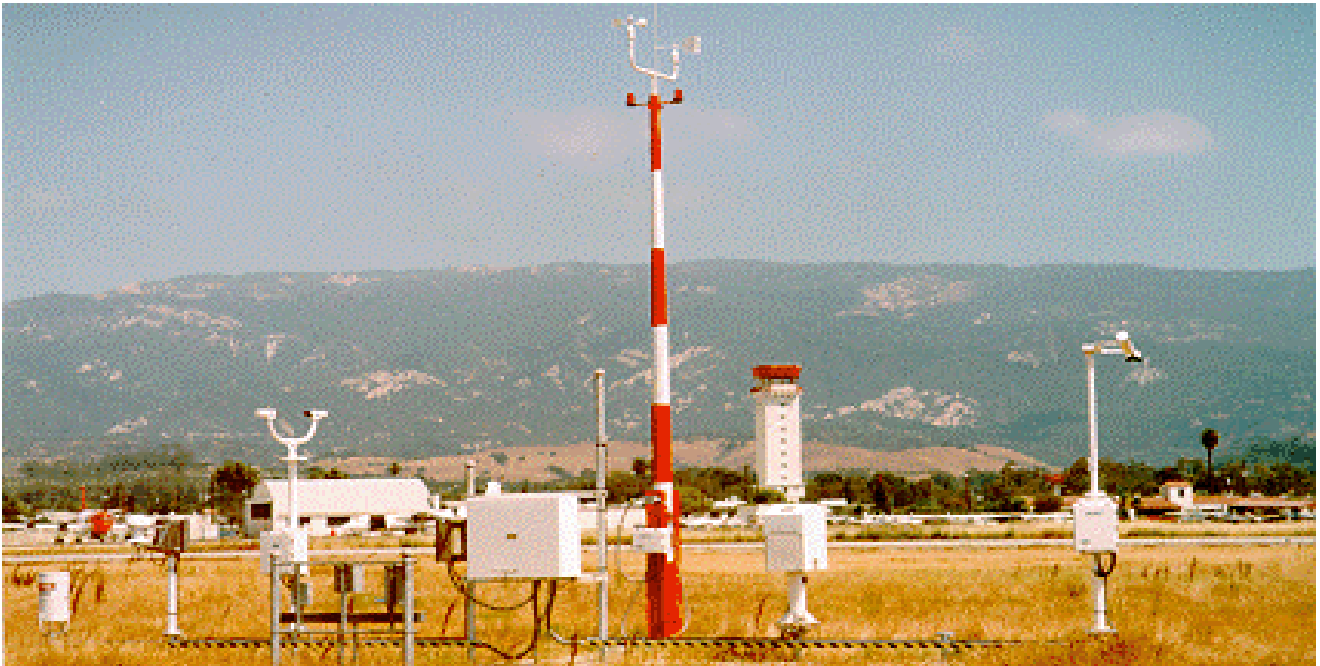
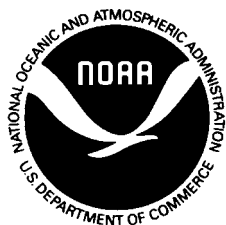




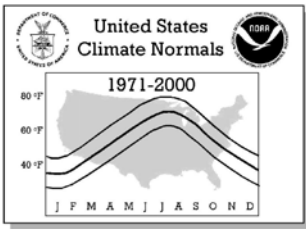
**Monthly Station Normals
of Temperature, Precipitation,
and Heating and Cooling
Degree Days
1971 - 2000**



**40
TENNESSEE**



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC

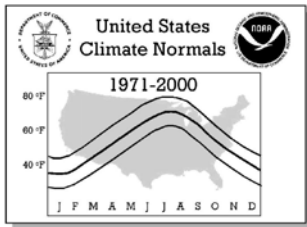


CLIMATOGRAPHY OF THE UNITED STATES NO. 81
Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days
1971-2000

TENNESSEE

Page 2

(This Page Intentionally Left Blank)



CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

TENNESSEE

NOTES

Product Description:

This Climatography includes 1971-2000 normals of monthly and annual maximum, minimum, and mean temperature (degrees F), monthly and annual total precipitation (inches), and heating and cooling degree days (base 65 degrees F). Normals stations include both National Weather Service Cooperative Network and Principal Observation (First-Order) locations in the 50 states, Puerto Rico, the Virgin Islands, and Pacific Islands.

Abbreviations:

No. = Station Number in State Map

COOP ID = Cooperative Network ID (1:2=State ID, 3:6=Station Index)

WBAN ID = Weather Bureau Army Navy ID, if assigned

Elements = Input Elements (X=Maximum Temperature, N=Minimum Temperature, P=Precipitation)

Call = 3-Letter Station Call Sign, if assigned

MAX = Normal Maximum Temperature (degrees Fahrenheit)

MEAN = Average of MAX and MIN (degrees Fahrenheit)

MIN = Normal Minimum Temperature (degrees Fahrenheit)

HDD = Total Heating Degree Days (base 65 degrees Fahrenheit)

CDD = Total Cooling Degree Days (base 65 degrees Fahrenheit)

Latitude = Latitude in degrees, minutes, and hemisphere (N=North, S=South)

Longitude = Longitude in degrees, minutes, and hemisphere (W=West, E=East)

Elev = Elevation in feet above mean sea level

Flag 1 = * if a published *Local Climatological Data* station

Flag 2 = + if WMO Fully Qualified (see *Note* below)

HIGHEST MEAN/YEAR = Maximum Mean Monthly Value/Year, 1971-2000

MEDIAN = Median Mean Monthly Value/Year, 1971-2000

LOWEST MEAN/YEAR = Minimum Mean Monthly Value/Year, 1971-2000

MAX OBS TIME ADJUSTMENT = Add to MAX to Get Midnight Obs. Schedule

MIN OBS TIME ADJUSTMENT = Add to MIN to Get Midnight Obs. Schedule

Note: In 1989, the World Meteorological Organization (WMO) prescribed standards of data completeness for the 1961-1990 WMO Standard Normals. For full qualification, no more than three consecutive year-month values can be missing for a given month or no more than five overall values can be missing for a given month (out of 30 values). Stations meeting these standards are indicated with a '+' sign in Flag 2. Otherwise, stations are included in the normals if they have at least 10 year-month values for each month and have been active since January 1999 or were a previous normals station.

Map Legend: Numbers correspond to 'No.' in Station Inventory; Shaded Circles indicate Temperature and Precipitation Stations, Triangles (Point Up) indicate Precipitation-Only Stations, Triangles (Point Down) indicate Temperature-Only Stations, and Hexagons indicate stations with Flag 1 = *.

Computational Procedures:

A climate normal is defined, by convention, as the arithmetic mean of a climatological element computed over three consecutive decades (WMO, 1989). Ideally, the data record for such a 30-year period should be free of any inconsistencies in observational practices (e.g., changes in station location, instrumentation, time of observation, etc.) and be serially complete (i.e., no missing values). When present, inconsistencies can lead to a non-climatic bias in one period of a station's record relative to another, yielding an "inhomogeneous" data record. Adjustments and estimations can make a climate record "homogeneous" and serially complete, and allow a climate normal to be calculated simply as the average of the 30 monthly values.

The methodology employed to generate the 1971-2000 normals is not the same as in previous normals, as it addresses inhomogeneity and missing data value problems using several steps. The technique developed by Karl *et al.* (1986) is used to adjust monthly maximum and minimum temperature observations of conterminous U.S. stations to a consistent midnight-to-midnight schedule. All monthly temperature averages and precipitation totals are cross-checked against archived daily observations to ensure internal consistency. Each monthly observation is evaluated using a modified quality control procedure (Peterson *et al.*, 1998), where station observation departures are computed, compared with neighboring stations, and then flagged and estimated where large differences with neighboring values exist. Missing or discarded temperature and precipitation observations are replaced using a weighting function derived from the observed relationship between a candidate's monthly observations and those of up to 20 neighboring stations whose observations are most strongly correlated with the candidate site. For temperature estimates, neighboring stations were selected from the U.S. Historical Climatology Network (USHCN; Karl *et al.* 1990). For precipitation estimates, all available stations were potential neighbors, maximizing station density for estimating the more spatially variable precipitation values.

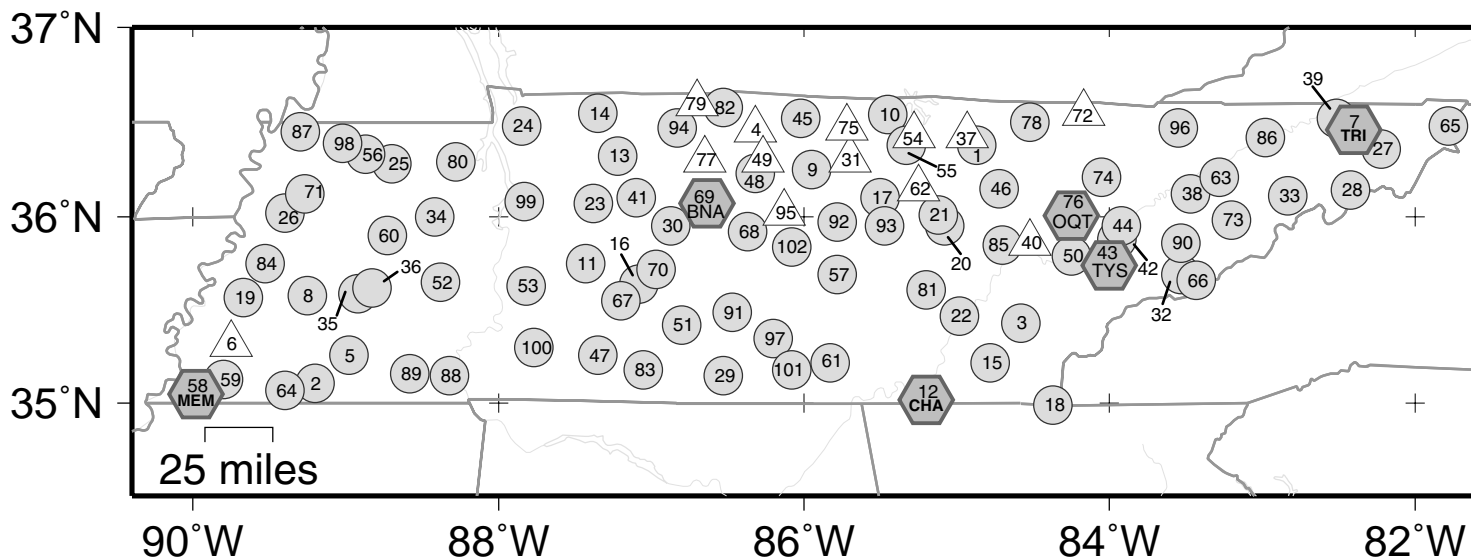
Peterson and Easterling (1994) and Easterling and Peterson (1995) outline the method for adjusting temperature inhomogeneities. This technique involves comparing the record of the candidate station with a reference series generated from neighboring data. The reference series is reconstructed using a weighted average of first difference observations (the difference from one year to the next) for neighboring stations with the highest correlation with the candidate. The underlying assumption behind this methodology is that temperatures over a region have similar tendencies in variation. If this assumption is violated, the potential discontinuity is evaluated for statistical significance. Where significant discontinuities are detected, the difference in average annual temperatures before and after the inhomogeneity is applied to adjust the mean of the earlier block with the mean of the latter block of data. Such an evaluation requires a minimum of five years between discontinuities. Consequently, if multiple changes occur within five years or if a change occurs very near the end of the normals period (e.g., after 1995), the discontinuity may not be detectable using this methodology.

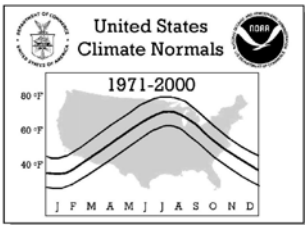
The monthly normals for maximum and minimum temperature and precipitation are computed simply by averaging the appropriate 30 values from the 1971-2000 record. The monthly average temperature normals are computed by averaging the corresponding monthly maximum and minimum normals. The annual temperature normals are calculated by taking the average of the 12 monthly normals. The annual precipitation and degree day normals are the sum of the 12 monthly normals. Trace precipitation totals are shown as zero. Precipitation totals include rain and the liquid equivalent of frozen and freezing precipitation (e.g., snow, sleet, freezing rain, and hail). For many NWS locations, indicated with an '*' next to 'HDD' and 'CDD' in the degree day table, degree day normals are computed directly from daily values for the 1971-2000 period. For all other stations, estimated degree day totals are based on a modification of the rational conversion formula developed by Thom (1966), using daily spline-fit means and standard deviations of average temperature as inputs.

References:

- Easterling, D.R., and T.C. Peterson, 1995: [A new method for detecting and adjusting for undocumented discontinuities in climatological time series](#). *Intl. J. Clim.*, **15**, 369-377.
- Karl, T.R., C.N. Williams, Jr., P.J. Young, and W.M. Wendland, 1986: [A model to estimate the time of observation bias associated with monthly mean maximum, minimum, and mean temperatures for the United States](#). *J. Clim. Appl. Met.*, **25**, 145-160.
- Peterson, T.C., and D.R. Easterling, 1994: [Creation of homogeneous composite climatological reference series](#). *Intl. J. Clim.*, **14**, 671-679.
- Peterson, T.C., R. Vose, R. Schmoyer, and V. Razuvaev, 1998: [Global Historical Climatology Network \(GHCN\) quality control of monthly temperature data](#). *Intl. J. Clim.*, **18**, 1169-1179.
- Thom, H.C.S., 1966: [Normal degree days above any base by the universal truncation coefficient](#). *Month. Wea. Rev.*, **94**, 461-465.
- World Meteorological Organization, 1989: [Calculation of Monthly and Annual 30-Year Standard Normals](#), WCDP-No. 10, WMO-TD/No. 341, Geneva: World Meteorological Organization.

40 - TENNESSEE



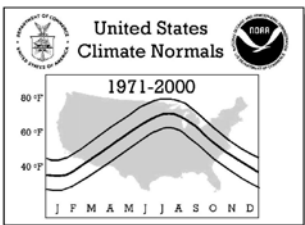


CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

TENNESSEE

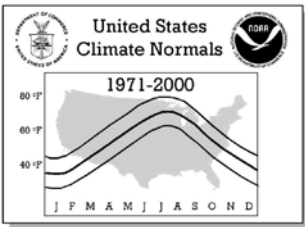
STATION INVENTORY										
No.	COOP ID	WBAN ID	Elements	Station Name	Call	Latitude	Longitude	Elev	Flag 1	Flag 2
1	400081		XNP	ALLARDT		36 23 N	84 53 W	1675		+
2	400137		XNP	AMES PLANTATION		35 07 N	89 13 W	460		+
3	400284		XNP	ATHENS		35 26 N	84 35 W	940		+
4	400669		P	BETHPAGE 1 S		36 28 N	86 20 W	560		
5	400876		XNP	BOLIVAR WATERWORKS		35 16 N	88 59 W	455		+
6	400884		P	BOLTON		35 19 N	89 45 W	300		
7	401094	13877	XNP	BRISTOL TRI CITY AP	TRI	36 28 N	82 24 W	1500	*	+
8	401145		XNP	BROWNSVILLE		35 35 N	89 15 W	330		+
9	401480		XNP	CARTHAGE		36 15 N	85 57 W	515		+
10	401561		XNP	CELINA		36 32 N	85 28 W	540		+
11	401587		XNP	CENTERVILLE WATER PL		35 45 N	87 26 W	660		+
12	401656	13882	XNP	CHATTANOOGA AP	CHA	35 02 N	85 12 W	671	*	+
13	401663		XNP	CHEATHAM LOCK AND DAM		36 19 N	87 13 W	392		+
14	401790		XNP	CLARKSVILLE SEWAGE PLT		36 33 N	87 21 W	382		+
15	401808		XNP	CLEVELAND FILTER PLANT		35 13 N	84 48 W	800		+
16	401957		XNP	COLUMBIA 3 WNW		35 39 N	87 05 W	650		+
17	402009		XNP	COOKEVILLE		36 06 N	85 30 W	1090		+
18	402024		XNP	COPPERHILL		35 00 N	84 23 W	1450		+
19	402108		XNP	COVINGTON 1 W		35 34 N	89 40 W	310		+
20	402197	03847	XNP	CROSSVILLE AP	CSV	35 57 N	85 05 W	1867		+
21	402202		XNP	CROSSVILLE EXP STN		36 01 N	85 08 W	1810		+
22	402360		XNP	DAYTON 2 SE		35 28 N	85 00 W	865		+
23	402489		XNP	DICKSON		36 04 N	87 23 W	780		+
24	402589		XNP	DOVER 1 W		36 29 N	87 52 W	475		+
25	402600		XNP	DRESDEN		36 17 N	88 42 W	450		+
26	402685	03809	XNP	DYERSBURG AP	DYR	36 01 N	89 24 W	337		+
27	402806		XNP	ELIZABETHTON		36 22 N	82 14 W	1755		+
28	402934		XNP	ERWIN 1 W		36 09 N	82 26 W	1720		+
29	403074		XNP	FAYETTEVILLE WATER PLANT		35 09 N	86 32 W	725		+
30	403280		XNP	FRANKLIN SEWAGE PLANT		35 57 N	86 52 W	655		+
31	403370		P	GAINESBORO		36 18 N	85 42 W	487		
32	403420		XNP	GATLINBURG 2 SW		35 41 N	83 32 W	1454		+
33	403679		XNP	GREENEVILLE EXP STN		36 06 N	82 51 W	1320		+
34	404417		XNP	HUNTINGDON WATER PLANT		36 00 N	88 25 W	440		+
35	404556	03811	XNP	JACKSON MCKELLAR-SPES AP	MKL	35 36 N	88 55 W	433		+
36	404561		XNP	JACKSON EXP STA		35 37 N	88 50 W	400		+
37	404590		P	JAMESTOWN		36 26 N	84 56 W	1690		
38	404613		XNP	JEFFERSON CITY		36 07 N	83 28 W	1108		+
39	404858		XNP	KINGSPORT		36 31 N	82 32 W	1284		+
40	404871		P	KINGSTON		35 51 N	84 32 W	730		
41	404876		XNP	KINGSTON SPRINGS		36 06 N	87 07 W	517		+
42	404946		XNP	KNOXVILLE EXP STN		35 53 N	83 57 W	830		+
43	404950	13891	XNP	KNOXVILLE AP	TYS	35 49 N	83 59 W	962	*	+
44	404955		XNP	KNOXVILLE UNIV OF TENN		35 57 N	83 55 W	895		+
45	404987		XNP	LAFAYETTE		36 31 N	86 02 W	975		+
46	405040		XNP	LANCING 6 NW		36 09 N	84 44 W	1520		+
47	405089		XNP	LAWRENCEBURG FILTER PLT		35 16 N	87 21 W	870		+
48	405108		XNP	LEBANON		36 14 N	86 19 W	525		+
49	405118		P	LEBANON 7 N		36 18 N	86 16 W	510		
50	405158		XNP	LENOIR CITY		35 47 N	84 16 W	785		+
51	405187		XNP	LEWISBURG EXP STN		35 25 N	86 48 W	787		+
52	405210		XNP	LEXINGTON		35 39 N	88 24 W	540		+
53	405278		XNP	LINDEN 2		35 38 N	87 50 W	498		+
54	405327		P	LIVINGSTON 5 NE		36 26 N	85 17 W	960		
55	405332		XNP	LIVINGSTON RADIO WLIV		36 23 N	85 20 W	975		+
56	405681		XNP	MARTIN UNIV OF TENN BRA		36 20 N	88 52 W	340		+
57	405882		XNP	MC MINNVILLE		35 41 N	85 48 W	940		+
58	405954	13893	XNP	MEMPHIS INTL AP	MEM	35 04 N	89 59 W	265	*	+
59	405956	53828	XNP	MEMPHIS WSFO		35 08 N	89 48 W	310		+
60	406012		XNP	MILAN EXP STN		35 54 N	88 44 W	426		+
61	406162	93876	XNP	MONTEAGLE	MGL	35 13 N	85 51 W	1850		+
62	406170		P	MONTEREY		36 09 N	85 16 W	1860		
63	406271		XNP	MORRISTOWN RADIO WCRK		36 12 N	83 17 W	1360		+
64	406274		XNP	MOSCOW		35 04 N	89 25 W	335		+
65	406292		XNP	MOUNTAIN CITY 2		36 29 N	81 48 W	2510		+
66	406328		XNP	MT LECONTE		35 39 N	83 26 W	6493		+
67	406340		XNP	MOUNT PLEASANT 1 N		35 33 N	87 12 W	778		+
68	406371		XNP	MURFREESBORO 5 N		35 55 N	86 23 W	550		+
69	406402	13897	XNP	NASHVILLE INTL AP	BNA	36 07 N	86 41 W	580	*	+
70	406435		XNP	NEAPOLIS EXP STN		35 43 N	86 59 W	700		+



CLIMATOGRAPHY OF THE UNITED STATES NO. 81
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days
1971-2000

TENNESSEE

STATION INVENTORY										
No.	COOP ID	WBAN ID	Elements	Station Name	Call	Latitude	Longitude	Elev	Flag 1	Flag 2
71	406471		XNP	NEWBERN		36 07 N	89 16 W	371		+
72	406493		P	NEWCOMB		36 33 N	84 10 W	985		
73	406534		XNP	NEWPORT 1 NW		35 59 N	83 12 W	1036		+
74	406619		XNP	NORRIS		36 13 N	84 04 W	1110		+
75	406666		P	NORTH SPRINGS 4NW		36 28 N	85 43 W	570		
76	406750	03841	XNP	OAK RIDGE ATDD	OQT	36 01 N	84 14 W	905	*	+
77	406803		P	OLD HICKORY DAM		36 18 N	86 39 W	460		
78	406829		XNP	ONEIDA		36 30 N	84 32 W	1440		+
79	406861		P	ORLINDA		36 36 N	86 42 W	700		
80	406977		XNP	PARIS 2 SE		36 17 N	88 18 W	443		+
81	407184		XNP	PIKEVILLE		35 37 N	85 12 W	878		+
82	407359		XNP	PORTLAND SEWAGE PLANT		36 35 N	86 32 W	794		+
83	407459		XNP	PULASKI WATER PLANT		35 11 N	87 03 W	634		+
84	407710		XNP	RIPLEY		35 45 N	89 32 W	335		+
85	407834		XNP	ROCKWOOD 2		35 51 N	84 42 W	860		+
86	407884		XNP	ROGERSVILLE 1 NE		36 25 N	82 59 W	1355		+
87	408065		XNP	SAMBURG WILDLIFE REF		36 27 N	89 18 W	310		+
88	408108		XNP	SAVANNAH 6 SW		35 09 N	88 19 W	420		+
89	408160		XNP	SELMER		35 10 N	88 36 W	470		+
90	408179		XNP	SEVIERVILLE 1 SE		35 52 N	83 33 W	930		+
91	408246		XNP	SHELBYVILLE WATER DEPT		35 30 N	86 29 W	760		+
92	408405		XNP	SMITHVILLE 2 SE		35 58 N	85 48 W	890		+
93	408522		XNP	SPARTA		35 57 N	85 29 W	1020		+
94	408562		XNP	SPRINGFIELD EXP STN		36 28 N	86 51 W	745		+
95	408609		P	STATESVILLE		36 01 N	86 08 W	723		
96	408868		XNP	TAZEWELL		36 28 N	83 34 W	1365		+
97	409155		XNP	TULLAHOMA		35 21 N	86 13 W	1022		+
98	409219		XNP	UNION CITY		36 24 N	89 02 W	350		+
99	409492		XNP	WAVERLY		36 05 N	87 50 W	540		+
100	409502		XNP	WAYNESBORO		35 18 N	87 46 W	750		+
101	409800		XNP	WINCHESTER 1 E		35 11 N	86 06 W	940		+
102	409866		XNP	WOODBURY 1 WNW		35 51 N	86 05 W	750		+

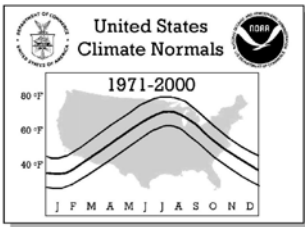


CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

TENNESSEE

No.	Station Name	PRECIPITATION NORMALS (Total in Inches)												
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
070	NEAPOLIS EXP STN	4.86	4.49	6.39	4.70	5.72	3.87	4.89	3.32	3.97	3.58	5.24	6.00	57.03
071	NEWBERN	4.03	3.97	4.81	5.33	5.11	5.07	3.98	3.18	3.18	3.60	5.12	5.41	52.79
072	NEWCOMB	4.34	4.20	5.02	4.11	5.37	4.41	4.57	4.37	3.45	2.95	4.25	4.43	51.47
073	NEWPORT 1 NW	3.78	3.62	4.47	3.70	4.80	3.96	4.52	3.82	3.17	2.30	3.24	3.76	45.14
074	NORRIS	4.91	4.18	5.64	4.69	5.19	4.98	4.37	4.09	3.51	2.97	4.70	5.09	54.32
075	NORTH SPRINGS 4NW	4.85	4.12	5.97	4.08	5.11	4.61	4.56	3.89	3.92	3.27	4.48	5.54	54.40
076	OAK RIDGE ATDD	5.13	4.50	5.72	4.32	5.14	4.64	5.16	3.39	3.75	3.02	4.86	5.42	55.05
077	OLD HICKORY DAM	3.86	3.87	4.93	3.71	5.11	4.30	3.65	2.92	3.75	3.09	4.35	5.13	48.67
078	ONEIDA	4.69	4.18	5.51	4.19	5.28	4.84	5.01	4.54	3.65	3.67	4.53	4.78	54.87
079	ORLINDA	3.82	4.24	5.26	4.17	5.26	4.53	3.96	2.92	3.79	3.20	4.32	4.99	50.46
080	PARIS 2 SE	4.23	4.40	5.31	4.73	5.02	4.58	4.51	3.76	3.90	3.35	4.86	5.03	53.68
081	PIKEVILLE	5.16	4.52	5.85	4.34	5.12	4.31	4.24	3.66	4.08	3.27	4.79	5.20	54.54
082	PORTLAND SEWAGE PLANT	4.23	4.14	5.55	4.23	5.51	4.58	4.46	3.58	3.79	3.43	4.73	5.06	53.29
083	PULASKI WATER PLANT	5.21	4.65	6.21	4.39	4.93	4.58	4.40	3.29	4.36	3.53	5.26	5.66	56.47
084	RIPLEY	3.85	3.93	5.39	4.81	5.34	4.41	4.21	2.48	3.70	3.51	5.45	5.40	52.48
085	ROCKWOOD 2	5.75	4.90	6.12	4.58	5.62	5.15	5.53	4.27	3.93	3.49	5.17	5.73	60.24
086	ROGERSVILLE 1 NE	4.04	3.49	4.26	3.69	4.83	3.52	4.06	3.46	3.14	2.66	3.64	4.37	45.16
087	SAMBURG WILDLIFE REF	3.51	4.07	4.78	5.01	5.39	4.39	3.94	3.23	3.35	3.64	4.78	5.10	51.19
088	SAVANNAH 6 SW	5.06	4.54	6.04	5.34	6.54	4.52	4.50	3.07	4.13	3.45	5.76	5.94	58.89
089	SELMER	5.02	4.42	5.88	5.17	6.10	4.30	4.65	2.78	4.35	3.32	5.68	5.79	57.46
090	SEVIERVILLE 1 SE	3.85	3.59	4.32	3.65	4.70	3.99	4.06	3.14	3.19	2.45	3.34	3.75	44.03
091	SHELBYVILLE WATER DEPT	4.99	4.34	6.23	4.27	5.30	4.77	5.05	3.36	4.25	3.88	5.37	5.35	57.16
092	SMITHVILLE 2 SE	4.94	4.35	6.04	4.04	5.32	4.56	4.76	4.14	4.16	3.51	4.78	5.59	56.19
093	SPARTA	5.30	4.22	6.02	4.19	5.68	4.80	4.54	3.94	3.78	3.39	4.95	5.77	56.58
094	SPRINGFIELD EXP STN	4.04	3.96	5.12	4.25	5.53	4.51	4.17	3.19	3.70	3.36	4.43	4.89	51.15
095	STATESVILLE	5.26	4.48	6.04	4.47	5.54	4.16	5.38	4.06	4.28	3.59	4.68	5.80	57.74
096	TAZEWELL	4.97	4.31	5.22	4.46	5.24	4.17	4.57	3.86	3.22	3.04	4.25	4.78	52.09
097	TULLAHOMA	5.51	4.86	6.73	4.94	5.28	4.74	4.80	3.52	4.33	3.89	5.47	5.97	60.04
098	UNION CITY	3.71	4.05	4.94	4.86	5.08	4.80	4.17	3.19	3.25	3.81	4.98	4.97	51.81
099	WAVERLY	4.41	4.68	5.77	4.68	5.62	4.74	4.63	3.79	4.18	3.25	5.01	5.31	56.07
100	WAYNESBORO	5.12	4.74	6.39	5.14	6.21	4.92	5.26	3.49	4.09	3.47	5.55	5.95	60.33
101	WINCHESTER 1 E	4.94	4.46	6.89	4.26	4.60	4.82	3.88	2.61	4.46	2.96	4.59	5.79	54.26
102	WOODBURY 1 WNW	5.06	4.41	6.26	4.34	5.35	4.50	4.79	3.98	4.43	3.69	4.64	5.66	57.11

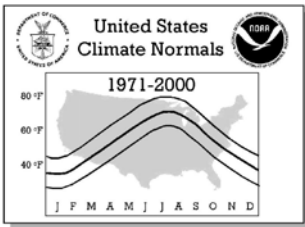


CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

TENNESSEE

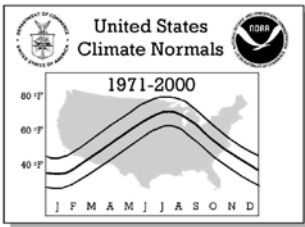
No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
001	ALLARDT	HDD	946	744	574	311	144	17	0	5	62	305	558	834	4500
		CDD	0	0	0	6	65	159	261	226	99	20	0	0	836
002	AMES PLANTATION	HDD	859	654	457	200	65	2	0	0	21	190	453	741	3642
		CDD	0	0	6	26	148	320	449	403	223	55	6	0	1636
003	ATHENS	HDD	886	697	517	265	102	5	0	0	26	249	505	784	4036
		CDD	0	0	2	12	97	240	367	339	171	31	2	0	1261
005	BOLIVAR WATERWORKS	HDD	858	652	456	197	67	2	0	1	26	203	459	744	3665
		CDD	0	0	6	30	148	322	450	404	219	52	4	0	1635
007	BRISTOL TRI CITY AP	HDD*	919	744	556	303	108	11	1	2	44	279	541	810	4318
		CDD*	0	0	1	10	61	200	309	274	128	11	1	0	995
008	BROWNSVILLE	HDD	864	644	439	184	47	1	0	0	18	178	444	742	3561
		CDD	0	0	6	38	168	359	483	431	236	54	5	0	1780
009	CARTHAGE	HDD	920	727	534	270	106	5	0	0	26	238	505	796	4127
		CDD	0	0	1	11	100	251	389	357	184	33	1	0	1327
010	CELINA	HDD	928	725	546	294	122	6	0	1	37	260	518	806	4243
		CDD	0	0	0	7	99	242	363	322	154	37	2	0	1226
011	CENTERVILLE WATER PL	HDD	856	649	447	188	62	2	0	1	29	221	479	755	3689
		CDD	0	0	4	14	122	276	397	360	186	43	3	0	1405
012	CHATTANOOGA AP	HDD*	797	618	432	195	48	2	0	0	16	180	442	697	3427
		CDD*	0	0	5	32	124	312	450	418	229	35	2	1	1608
013	CHEATHAM LOCK AND DAM	HDD	957	757	552	313	143	10	0	2	49	276	549	825	4433
		CDD	0	0	0	12	106	231	379	341	168	35	1	0	1273
014	CLARKSVILLE SEWAGE PLT	HDD	924	705	504	242	93	4	0	2	33	242	507	802	4058
		CDD	0	0	1	24	132	295	432	381	199	47	1	0	1512
015	CLEVELAND FILTER PLANT	HDD	840	644	475	236	89	3	0	0	23	232	494	746	3782
		CDD	0	0	2	14	109	258	386	354	175	33	2	0	1333
016	COLUMBIA 3 WNW	HDD	913	710	545	284	107	6	0	1	42	259	521	795	4183
		CDD	0	0	1	13	93	238	376	345	171	30	0	0	1267
017	COOKEVILLE	HDD	914	733	547	289	117	7	0	2	37	264	518	801	4229
		CDD	0	0	0	11	93	231	356	316	151	31	1	0	1190
018	COPPERHILL	HDD	847	673	525	285	113	9	0	1	35	260	491	750	3989
		CDD	0	0	1	10	78	195	327	297	138	24	1	0	1071
019	COVINGTON 1 W	HDD	871	659	452	193	57	1	0	0	20	176	449	749	3627
		CDD	0	0	4	36	173	361	484	421	227	52	4	0	1762
020	CROSSVILLE AP	HDD	928	727	557	301	142	14	0	4	62	296	545	813	4389
		CDD	0	0	0	7	80	175	289	258	122	21	1	0	953
021	CROSSVILLE EXP STN	HDD	1004	799	618	347	162	18	4	8	63	332	585	882	4822
		CDD	0	0	0	6	65	146	256	218	85	18	1	0	795
022	DAYTON 2 SE	HDD	893	688	505	239	85	4	0	0	24	238	510	797	3983
		CDD	0	0	1	10	96	250	370	339	175	29	1	0	1271
023	DICKSON	HDD	907	694	498	237	83	3	0	0	33	237	500	788	3980
		CDD	0	0	3	18	104	251	377	343	178	39	2	0	1315
024	DOVER 1 W	HDD	958	738	520	243	93	5	0	2	41	262	514	827	4203
		CDD	0	0	5	20	112	266	395	350	175	38	2	0	1363
025	DRESDEN	HDD	949	722	508	232	75	2	0	1	30	225	498	817	4059
		CDD	0	0	4	22	131	302	423	376	201	44	3	0	1506
026	DYERSBURG AP	HDD	826	601	395	164	39	0	0	0	17	148	420	715	3325
		CDD	0	0	9	57	198	388	502	448	247	64	10	0	1923
027	ELIZABETHTON	HDD	947	765	603	341	135	12	0	2	39	305	559	847	4555
		CDD	0	0	0	3	63	176	287	249	107	22	0	0	907
028	ERWIN 1 W	HDD	915	722	556	314	141	10	0	1	42	295	537	805	4338
		CDD	0	0	0	3	69	178	286	257	120	24	1	0	938
029	FAYETTEVILLE WATER PLAN	HDD	821	618	449	222	76	3	0	0	31	233	466	727	3646
		CDD	0	0	2	17	124	275	394	363	193	51	2	0	1421
030	FRANKLIN SEWAGE PLANT	HDD	926	724	531	275	104	5	0	1	37	262	527	807	4199
		CDD	0	0	1	13	102	249	385	340	166	37	1	0	1294
032	GATLINBURG 2 SW	HDD	892	723	560	322	142	17	0	2	49	309	547	799	4362
		CDD	0	0	0	4	58	153	255	217	91	19	0	0	797
033	GREENEVILLE EXP STN	HDD	980	790	637	391	169	19	0	3	64	367	620	888	4928
		CDD	0	0	0	2	45	146	264	220	82	14	0	0	773
034	HUNTINGDON WATER PLANT	HDD	989	770	570	291	113	6	0	2	49	299	577	876	4542
		CDD	0	0	0	14	96	241	362	313	140	25	0	0	1191
035	JACKSON MCKELLAR-SPES A	HDD	842	627	432	184	50	1	0	0	19	175	444	730	3504
		CDD	0	0	8	37	161	349	472	426	232	53	4	0	1742
036	JACKSON EXP STA	HDD	866	655	447	199	63	2	0	0	22	191	455	749	3649
		CDD	0	0	5	29	151	323	451	412	224	49	4	0	1648
038	JEFFERSON CITY	HDD	938	727	557	292	98	5	0	0	38	296	542	828	4321
		CDD	0	0	0	4	94	222	345	294	140	25	1	0	1125



CLIMATOGRAPHY OF THE UNITED STATES NO. 81
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days
1971-2000

TENNESSEE

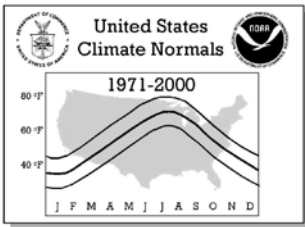
No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
039	KINGSPORT	HDD	913	725	545	276	91	3	0	0	28	263	526	808	4178
		CDD	0	0	0	6	90	224	347	302	145	24	1	0	1139
041	KINGSTON SPRINGS	HDD	942	737	536	277	112	6	0	1	42	268	529	819	4269
		CDD	0	0	1	13	102	246	373	339	162	29	1	0	1266
042	KNOXVILLE EXP STN	HDD	895	705	517	268	97	5	0	0	22	251	509	787	4056
		CDD	0	0	2	9	99	249	381	345	177	33	2	0	1297
043	KNOXVILLE AP	HDD*	841	652	467	223	65	3	0	0	22	210	470	732	3685
		CDD*	0	1	5	27	110	282	408	381	205	28	3	0	1450
044	KNOXVILLE UNIV OF TENN	HDD	823	641	450	196	64	2	0	0	14	196	431	714	3531
		CDD	0	0	4	23	135	292	422	391	213	45	2	0	1527
045	LAFAYETTE	HDD	853	636	444	203	83	6	0	2	28	203	454	743	3655
		CDD	0	0	9	35	147	292	413	371	198	49	6	0	1520
046	LANCING 6 NW	HDD	970	778	613	339	157	14	0	4	62	314	579	856	4686
		CDD	0	0	0	5	59	160	271	234	95	16	0	0	840
047	LAWRENCEBURG FILTER PLT	HDD	875	685	485	231	88	5	0	1	37	245	493	767	3912
		CDD	0	0	2	12	98	239	362	328	164	31	1	0	1237
048	LEBANON	HDD	924	724	526	264	99	5	0	1	32	254	510	802	4141
		CDD	0	0	2	18	120	282	413	363	176	36	3	0	1413
050	LENOIR CITY	HDD	859	675	485	232	80	2	0	0	14	222	474	753	3796
		CDD	0	0	3	15	123	291	423	391	208	44	3	0	1501
051	LEWISBURG EXP STN	HDD	919	729	536	283	107	6	0	2	40	263	524	817	4226
		CDD	0	0	0	12	104	254	382	341	167	34	2	0	1296
052	LEXINGTON	HDD	871	656	462	208	72	2	0	0	21	206	461	759	3718
		CDD	0	0	2	24	152	336	456	418	234	57	5	0	1684
053	LINDEN 2	HDD	880	673	485	234	84	3	0	0	27	240	488	773	3887
		CDD	0	0	5	23	124	281	413	369	187	39	1	0	1442
055	LIVINGSTON RADIO WLIV	HDD	927	736	548	288	123	5	0	3	41	276	538	779	4264
		CDD	0	0	0	9	98	228	344	305	143	25	2	0	1154
056	MARTIN UNIV OF TENN BRA	HDD	962	735	521	245	88	2	0	1	32	224	510	827	4147
		CDD	0	0	1	19	138	311	442	389	192	36	2	0	1530
057	MC MINNVILLE	HDD	814	626	447	213	84	3	0	0	28	224	458	709	3606
		CDD	0	0	4	19	115	256	371	337	177	42	3	0	1324
058	MEMPHIS INTL AP	HDD*	770	565	366	144	22	0	0	0	13	121	381	651	3033
		CDD*	1	2	15	72	210	428	554	504	307	84	11	2	2190
059	MEMPHIS WSFO	HDD	840	635	435	190	53	1	0	0	16	165	430	726	3491
		CDD	0	0	5	32	171	368	500	448	253	56	5	0	1838
060	MILAN EXP STN	HDD	964	749	542	259	96	3	0	2	46	263	539	843	4306
		CDD	0	0	0	17	118	264	381	326	155	25	1	0	1287
061	MONTEAGLE	HDD	940	723	550	283	121	12	0	2	36	255	524	819	4265
		CDD	0	0	1	10	80	188	297	274	133	25	3	0	1011
063	MORRISTOWN RADIO WCRK	HDD	916	723	544	289	111	5	0	0	26	259	530	811	4214
		CDD	0	0	0	9	93	227	358	322	152	29	1	0	1191
064	MOSCOW	HDD	793	579	380	157	47	2	0	2	30	192	404	686	3272
		CDD	1	3	7	36	165	334	452	409	234	61	6	0	1708
065	MOUNTAIN CITY 2	HDD	1046	851	691	440	214	46	8	20	108	421	662	940	5447
		CDD	0	0	0	0	28	88	168	138	52	6	0	0	480
066	MT LECONTE	HDD	1247	1080	986	720	499	281	196	238	370	619	879	1135	8250
		CDD	0	0	0	0	0	0	3	2	0	0	0	0	5
067	MOUNT PLEASANT 1 N	HDD	877	677	472	211	74	3	0	1	30	226	483	777	3831
		CDD	0	0	4	28	134	305	431	385	199	42	2	0	1530
068	MURFREESBORO 5 N	HDD	918	723	521	259	93	4	0	1	32	252	503	801	4107
		CDD	0	0	2	15	114	272	406	362	179	37	1	0	1388
069	NASHVILLE INTL AP	HDD*	858	664	462	217	56	1	0	0	24	189	457	730	3658
		CDD*	0	0	9	37	136	321	455	416	230	46	5	1	1656
070	NEAPOLIS EXP STN	HDD	871	675	477	235	80	3	0	1	28	228	473	756	3827
		CDD	0	0	3	24	126	292	424	379	193	39	3	0	1483
071	NEWBERN	HDD	937	713	505	220	68	1	0	1	28	210	493	805	3981
		CDD	0	0	3	28	147	324	448	388	196	36	1	0	1571
073	NEWPORT 1 NW	HDD	873	688	507	255	101	4	0	0	35	276	527	792	4058
		CDD	0	0	0	10	100	236	353	312	148	27	1	0	1187
074	NORRIS	HDD	967	770	585	318	139	15	2	1	42	302	574	864	4579
		CDD	0	0	0	2	69	179	292	258	117	18	0	0	935
076	OAK RIDGE ATDD	HDD*	882	696	510	254	80	6	0	0	30	230	518	787	3993
		CDD*	0	0	2	19	95	254	380	347	180	23	1	0	1301
078	ONEIDA	HDD	978	784	618	352	173	21	1	10	61	333	584	874	4789
		CDD	0	0	0	4	68	167	280	245	102	15	0	0	881
080	PARIS 2 SE	HDD	967	746	534	256	93	4	0	2	42	251	523	831	4249
		CDD	0	0	3	18	110	266	394	354	179	34	2	0	1360



CLIMATOGRAPHY OF THE UNITED STATES NO. 81
 Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days
1971-2000

TENNESSEE

No.	Station Name	Element	DEGREE DAYS (Total)												
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
081	PIKEVILLE	HDD	843	652	470	229	89	4	0	0	26	234	493	756	3796
		CDD	0	0	2	11	102	235	358	322	166	33	2	0	1231
082	PORTLAND SEWAGE PLANT	HDD	947	732	520	242	90	3	0	0	28	227	496	818	4103
		CDD	0	0	0	20	133	292	426	381	198	41	2	0	1493
083	PULASKI WATER PLANT	HDD	871	675	474	221	74	3	0	0	24	216	473	753	3784
		CDD	0	0	2	16	114	274	406	374	189	38	2	0	1415
084	RIPLEY	HDD	881	661	459	198	64	1	0	0	19	172	447	765	3667
		CDD	0	0	5	34	162	339	466	416	228	60	5	0	1715
085	ROCKWOOD 2	HDD	926	741	566	288	121	8	0	1	40	285	551	827	4354
		CDD	0	0	0	8	84	214	332	293	143	26	1	0	1101
086	ROGERSVILLE 1 NE	HDD	898	697	510	262	111	10	0	1	37	274	524	798	4122
		CDD	0	0	0	6	91	206	318	286	141	30	1	0	1079
087	SAMBURG WILDLIFE REF	HDD	981	747	526	247	78	1	0	1	34	224	502	823	4164
		CDD	0	0	1	23	129	308	437	370	182	32	2	0	1484
088	SAVANNAH 6 SW	HDD	833	630	406	170	51	2	0	0	21	179	424	714	3430
		CDD	0	0	10	36	150	324	444	409	228	62	7	0	1670
089	SELMER	HDD	855	649	447	200	70	3	0	0	26	200	454	739	3643
		CDD	0	0	6	23	142	304	430	388	213	45	3	0	1554
090	SEVIERVILLE 1 SE	HDD	918	721	543	277	100	5	0	1	36	280	542	817	4240
		CDD	0	0	0	6	93	231	345	310	156	32	1	0	1174
091	SHELBYVILLE WATER DEPT	HDD	853	658	462	223	77	3	0	0	25	216	475	747	3739
		CDD	0	0	3	16	119	277	404	374	195	42	3	0	1433
092	SMITHVILLE 2 SE	HDD	952	766	576	310	125	8	0	1	48	297	558	835	4476
		CDD	0	0	0	5	84	216	332	292	134	28	1	0	1092
093	SPARTA	HDD	817	640	456	215	97	5	0	0	28	226	464	714	3662
		CDD	0	0	7	18	126	262	380	341	177	42	7	0	1360
094	SPRINGFIELD EXP STN	HDD	959	751	549	278	110	6	0	2	38	257	521	829	4300
		CDD	0	0	1	18	111	258	381	334	163	36	3	0	1305
096	TAZEWELL	HDD	989	799	634	362	160	17	0	2	51	343	606	883	4846
		CDD	0	0	0	3	73	177	297	261	115	22	0	0	948
097	TULLAHOMA	HDD	871	677	495	248	86	3	0	1	31	229	491	763	3895
		CDD	0	0	1	14	96	249	372	342	175	32	1	0	1282
098	UNION CITY	HDD	975	749	539	257	86	2	0	2	36	245	526	839	4256
		CDD	0	0	0	20	131	301	420	356	170	32	1	0	1431
099	WAVERLY	HDD	942	731	536	256	95	6	0	1	40	268	538	824	4237
		CDD	0	0	1	15	117	265	394	349	163	35	1	0	1340
100	WAYNESBORO	HDD	897	702	516	263	105	4	0	1	35	255	508	790	4076
		CDD	0	0	1	16	104	248	378	337	170	36	1	0	1291
101	WINCHESTER 1 E	HDD	794	600	422	195	72	3	0	0	24	195	428	687	3420
		CDD	0	0	6	22	124	280	385	364	195	43	5	0	1424
102	WOODBURY 1 WNW	HDD	907	719	525	269	99	4	0	1	37	258	521	801	4141
		CDD	0	0	1	10	94	247	373	339	169	32	1	0	1266



CLIMATOGRAPHY OF THE UNITED STATES NO. 81

Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971-2000

TENNESSEE

No.	Station Name	Element	NORMALS STATISTICS														
			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL		
093	SPARTA	HIGHEST MEAN	47.2	50.9	56.0	63.0	73.0	76.7	80.6	80.5	74.2	66.5	59.3	49.9	80.6		
		MEDIAN	39.2	42.2	51.8	58.3	66.0	73.9	77.3	75.8	69.9	59.1	49.8	41.5	58.5		
		LOWEST MEAN	24.8	30.4	43.1	53.6	60.0	69.2	74.3	71.4	64.6	53.4	39.8	32.5	24.8		
		HIGHEST MEAN YEAR	1974	1990	1973	1991	1987	1986	1993	1983	1998	1985	1985	1984	1993		
		LOWEST MEAN YEAR	1977	1978	1971	1983	1971	1972	1972	1976	1976	1976	1976	1976	1989	1977	
		MIN OBS TIME ADJUSTMENT	-1.3	-1.2	-1.0	-0.8	-0.6	-0.4	-0.3	-0.4	-0.6	-0.9	-1.2	-1.2			
		MAX OBS TIME ADJUSTMENT	-1.9	-2.0	-2.2	-2.3	-1.7	-1.1	-0.9	-0.9	-1.2	-1.6	-1.5	-1.8			
		HIGHEST MEAN	42.2	45.8	53.8	62.6	72.2	76.8	81.0	80.8	73.1	65.2	54.1	47.3	81.0		
		MEDIAN	34.6	38.6	47.6	56.5	65.0	73.3	76.8	75.0	68.9	57.7	47.9	38.7	56.8		
		LOWEST MEAN	19.2	24.2	40.4	49.5	59.5	68.7	74.6	71.3	64.0	51.4	38.3	25.5	19.2		
094	SPRINGFIELD E	HIGHEST MEAN YEAR	1990	1990	1973	1981	1987	1984	1993	1983	1980	1971	1985	1984	1993		
		LOWEST MEAN YEAR	1977	1978	1996	1997	1997	1974	1976	1976	1974	1976	1976	1989	1977		
		MIN OBS TIME ADJUSTMENT	1.5	1.9	2.1	1.3	1.1	0.0	0.5	0.4	0.3	1.0	1.2	1.0			
		MAX OBS TIME ADJUSTMENT	0.3	0.5	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	0.1			
		096	TAZEWELL	HIGHEST MEAN	43.5	44.3	49.8	57.6	68.7	73.7	78.2	78.3	72.0	62.2	54.6	44.5	78.3
				MEDIAN	33.9	37.0	45.0	52.6	62.2	70.6	74.7	73.1	67.1	55.3	44.5	36.0	54.2
				LOWEST MEAN	20.5	25.8	38.4	48.8	56.8	65.3	71.1	69.8	62.9	48.0	36.1	27.3	20.5
				HIGHEST MEAN YEAR	1974	1990	1989	1991	1987	1994	1993	1995	1978	1984	1985	1984	1995
				LOWEST MEAN YEAR	1977	1978	1971	1983	1973	1974	1976	1976	1976	1987	1976	1989	1977
				MIN OBS TIME ADJUSTMENT	1.5	2.1	2.1	1.3	0.0	0.1	-0.1	0.4	0.3	1.0	1.2	1.0	
MAX OBS TIME ADJUSTMENT	0.3			0.4	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	0.0	0.1	0.1			
097	TULLAHOMA			HIGHEST MEAN	45.9	48.8	55.7	63.2	69.6	75.9	80.5	80.0	74.6	64.8	55.3	49.1	80.5
				MEDIAN	36.7	41.0	49.0	57.1	65.1	73.6	77.2	75.2	69.1	58.7	49.3	40.7	57.8
				LOWEST MEAN	24.0	29.5	44.0	52.2	61.0	69.4	74.1	71.2	66.1	52.3	40.2	30.4	24.0
		HIGHEST MEAN YEAR	1974	1990	1973	1981	1998	1981	1980	1980	1998	1971	1985	1984	1980		
		LOWEST MEAN YEAR	1977	1978	1996	1983	1997	1974	1984	1992	1974	1987	1976	1989	1977		
		MIN OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		MAX OBS TIME ADJUSTMENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		098	UNION CITY	HIGHEST MEAN	43.3	45.7	53.7	63.7	72.7	78.0	82.3	82.0	75.1	64.9	53.2	46.1	82.3
				MEDIAN	34.3	38.7	47.7	56.6	66.5	74.9	78.3	76.1	69.6	58.3	47.8	38.3	57.0
				LOWEST MEAN	19.7	23.7	41.5	50.6	60.9	70.6	75.7	72.2	64.6	52.5	38.4	27.0	19.7
HIGHEST MEAN YEAR	1998			1990	1973	1981	1987	1984	1993	1983	1998	1971	1999	1984	1993		
LOWEST MEAN YEAR	1977			1978	1980	1983	1976	1974	1971	1992	1974	1987	1976	1989	1977		
MIN OBS TIME ADJUSTMENT	1.5			2.1	1.3	0.0	0.0	0.0	-0.1	-0.2	0.4	0.4	1.2	1.0			
MAX OBS TIME ADJUSTMENT	0.3			0.4	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	0.0	0.0	0.1			
099	WAVERLY			HIGHEST MEAN	42.9	47.8	55.2	62.6	71.5	77.8	82.2	81.0	74.7	63.8	54.2	48.0	82.2
				MEDIAN	35.4	38.9	47.8	56.5	65.2	74.1	77.5	75.8	69.1	57.6	46.9	38.7	56.7
				LOWEST MEAN	20.6	25.8	41.8	50.5	59.7	68.6	74.0	71.7	64.6	51.1	37.5	26.5	20.6
		HIGHEST MEAN YEAR	1998	1990	1973	1981	1998	1998	1999	1983	1998	1971	1985	1984	1999		
		LOWEST MEAN YEAR	1977	1978	1980	1983	1976	1974	1971	1976	1974	1987	1976	1989	1977		
		MIN OBS TIME ADJUSTMENT	1.5	2.0	1.2	0.0	0.0	0.0	-0.1	-0.2	0.3	0.4	0.5	1.0			
		MAX OBS TIME ADJUSTMENT	0.3	0.4	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	0.1			
		100	WAYNESBORO	HIGHEST MEAN	44.6	47.6	54.7	63.0	70.7	76.6	80.9	79.9	74.0	65.1	54.4	48.8	80.9
				MEDIAN	36.9	39.9	48.4	56.1	65.2	73.5	76.9	75.6	68.9	57.8	47.9	39.8	57.3
				LOWEST MEAN	22.7	28.2	42.6	51.2	59.7	69.0	74.9	70.9	65.5	51.0	38.8	28.9	22.7
HIGHEST MEAN YEAR	1974			1990	1973	1981	1987	1998	1980	1980	1998	1971	1985	1971	1980		
LOWEST MEAN YEAR	1977			1978	1996	1983	1976	1974	1976	1992	1974	1987	1976	1989	1977		
MIN OBS TIME ADJUSTMENT	1.5			2.0	1.2	0.0	0.0	0.1	-0.1	-0.2	0.3	0.4	0.5	1.0			
MAX OBS TIME ADJUSTMENT	0.3			0.4	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	0.1			
101	WINCHESTER 1			HIGHEST MEAN	48.2	52.2	57.7	64.9	72.4	77.1	80.6	80.3	75.2	66.3	58.3	51.1	80.6
				MEDIAN	39.5	43.3	51.9	59.4	66.7	74.5	77.5	76.4	70.5	60.4	51.1	42.9	59.4
				LOWEST MEAN	26.2	33.7	46.4	53.9	61.9	70.2	74.7	73.0	66.1	54.7	42.7	33.4	26.2
		HIGHEST MEAN YEAR	1974	1990	1973	1981	1987	1998	1980	1983	1998	1984	1985	1984	1980		
		LOWEST MEAN YEAR	1977	1978	1971	1983	1997	1974	1976	1992	1974	1976	1976	1989	1977		
		MIN OBS TIME ADJUSTMENT	-1.2	-1.1	-0.9	-0.8	-0.5	-0.4	-0.3	-0.3	-0.5	-0.8	-1.0	-1.0			
		MAX OBS TIME ADJUSTMENT	-1.2	-1.9	-1.5	-1.6	-1.3	-0.7	-0.7	-0.7	-0.8	-1.0	-0.9	-1.2			
		102	WOODBURY 1 WN	HIGHEST MEAN	44.6	48.7	54.5	61.5	70.5	75.8	81.1	79.9	74.8	65.2	55.5	48.3	81.1
				MEDIAN	36.2	38.6	48.9	55.8	64.7	73.2	77.1	75.2	68.8	57.4	47.6	39.4	56.9
				LOWEST MEAN	22.7	27.4	42.8	51.1	60.2	69.2	74.7	72.1	65.9	51.0	38.7	28.7	22.7
HIGHEST MEAN YEAR	1974			1990	1973	1999	1987	1994	1999	1995	1998	1971	1985	1984	1999		
LOWEST MEAN YEAR	1977			1978	1996	1983	1997	1974	1984	1992	1974	1988	1976	1989	1977		
MIN OBS TIME ADJUSTMENT	1.4			2.0	1.2	0.0	0.0	-0.3	-0.1	-0.2	-0.3	0.4	0.5	1.1			
MAX OBS TIME ADJUSTMENT	0.3			0.4	0.4	0.4	0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	0.1			