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CLIMATOLOGICAL DATA

TENNESSEE

SEPTEMBER 1982

VOLUME 87 NUMBER 9

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TEMPERATURE AND PRECIPITATION EXTREMES

TENNESSEE
SEPTEMBER 1982

TENNESSEE

HIGHEST TEMPERATURE	95	SEPTEMBER 15	WAYNESBORO
LOWEST TEMPERATURE	33	SEPTEMBER 23	CENTERVILLE WATER PL
GREATEST TOTAL PRECIPITATION	14.91		MILAN
LEAST TOTAL PRECIPITATION	.91		MOUNT PLEASANT 2 SW
GREATEST 1 DAY PRECIPITATION	13.60	SEPTEMBER 13	MILAN

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

TENNESSEE
SEPTEMBER 1982

STATION	TEMPERATURE (°F)														PRECIPITATION (IN)									
	AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS MAX 90 OR ABOVE	MAX 32 OR BELOW	MIN 32 OR BELOW	MIN 0 OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET TOTAL	MAX. DEPTH ON GROUND	DATE	NO. OF DAYS .10 OR MORE	.50 OR MORE	1.00 OR MORE
TENNESSEE																								
EASTERN 01																								
ATHENS	79.7	56.4	68.1		88	16	38	23	51	150	0	0	0	0	1.81		.67	3	.0	0		5	1	0
BRISTOL WSO AP R	76.0	55.3	65.7	-2.8	84	15+	41	23	66	93	0	0	0	0	5.53	2.65	3.15	14	.0	0		4	2	2
CHATTANOOGA WSO AP R	80.8	59.2	70.0	-1.9	90	15+	40	23	29	187	3	0	0	0	1.34	-2.35	.84	25	.0	0		3	1	0
CLEVELAND 6 NNE	79.5	56.3	67.9		89	1	38	23	41	137	0	0	0	0	2.24		.78	2	.0	0		6	2	0
COPPERHILL	79.5	55.0	67.3	-1.3	88	18+	36	24+	57	130	0	0	0	0	3.05	-.72	.03	12	.0	0		7	3	0
DAYTON	79.6	57.6	68.6		90	15	39	23	41	157	1	0	0	0	1.83		.64	25	.0	0		6	1	0
ERWIN 2 SW	76.4	53.2	64.8		84	10	37	24+	83	87	0	0	0	0	4.89		1.48	1	.0	0		7	3	3
GATLINBURG 2 SW	74.6	53.5	64.1	-3.8	82	1	38	23	93	71	0	0	0	0	6.55	3.44	2.30	2	.0	0		7	4	3
GREENEVILLE EXP STN	77.1	53.6	65.4	-4.1	85	18+	38	25+	75	93	0	0	0	0	2.13	-1.00	.79	2	.0	0		5	2	0
JEFFERSON CITY 3 ENE	79.0	55.6	67.3		87	14	37	23	45	123	0	0	0	0	2.62		1.00	1	.0	0		5	3	1
KINGSPORT	77.6	56.6	67.1		86	15	40	23	51	122	0	0	0	0	7.10	4.16	2.65	14	.0	0		6	3	3
KNOXVILLE EXP STATION	78.1	52.6	65.4		86	17+	38	22	75	95	0	0	0	0	1.82		.53	1	.0	0		5	1	0
KNOXVILLE WSO AP //R	79.6	60.4	70.0	-1.6	88	16+	44	23	30	187	0	0	0	0	2.68	-.10	1.10	1	.0	0		4	2	1
KNOXVILLE U OF TENN	M	M	M																M	M				
LENOIR CITY	78.3	57.6	68.0	-2.6	87	16	41	23	54	151	0	0	0	0	2.75	-.81	1.34	2	.0	0		4	2	1
MORRISTOWN RADIO WCRK	76.7	55.1	65.9		86	15+	38	23	65	100	0	0	0	0	1.79		.82	1	.0	0		4	1	0
NEWPORT 1 NW	77.8	54.7	66.3	-4.0	85	18+	39	24+	55	101	0	0	0	0	2.47	-.40	.85	3	.0	0		7	2	0
NORRIS 4 NE	78.3	60.2	69.3		84	29+	47	22	29	166	0	0	0	0	3.45		1.75	1	.0	0		5	3	1
OAK RIDGE ATDL	77.3	56.2	66.8	-3.3	87	14	37	23	62	120	0	0	0	0	5.31	1.97	3.27	1	.0	0		5	3	1
ROCKWOOD 2	78.8	56.0	67.4		87	16	38	23	62	141	0	0	0	0	3.46		1.30	3	.0	0		8	2	1
ROGERSVILLE 1 NE	78.6	54.5	66.6	-2.8	88	15	37	23	59	115	0	0	0	0	4.28	1.36	3.66	1	.0	0		3	1	1
SEVIERVILLE 1 SE	78.5	53.7	66.1		87	16+	40	23	55	95	0	0	0	0	3.54		2.00	1	.0	0		6	1	1
TAZEWELL	76.6	53.0	64.8		87	11+	36	23	78	77	0	0	0	0	6.07		2.32	2	.0	0		6	4	2
--DIVISIONAL DATA------->			67.0	-2.5											3.49	.23			.0					
CUMBERLAND PLATEAU 02																								
ALLARDT	74.2	55.8	65.0		83	14	38	22	74	81	0	0	0	0	4.06		2.31	2	.0	0		4	3	1
COOKEVILLE	78.4	55.5	67.0		89	15	39	24+	66	133	0	0	0	0	3.37		1.07	3	.0	0		9	2	1
CROSSVILLE FAA AP	73.2	54.2	63.7		84	14	36	23	97	63	0	0	0	0	3.34		1.20	2	.0	0		4	2	2
CROSSVILLE EXP STN	73.8	54.5	64.2	-2.3	84	15	37	23	90	75	0	0	0	0	2.97	-1.01	1.56	2	.0	0		7	1	1
LIVINGSTON RADIO WLIV	79.5	55.4	67.5		89	15	37	23	51	134	0	0	0	0	3.04		.73	2	.0	0		6	3	0
MC MINNVILLE	78.8	57.5	68.2	-2.8	89	14	38	23	45	148	0	0	0	0	4.16	.23	1.21	15	.0	0		7	4	1
MONTEAGLE	75.5	56.5	66.0	-2.6	88	2	40	23+	73	112	0	0	0	0	1.74	-2.18	.63	25	.0	0		4	1	0
ONEIDA	75.3	51.0	63.2		84	15	34	23	99	53	0	0	0	0	7.84		4.80	3	.0	0		10	2	2
PIKEVILLE	80.4	57.1	68.8		92	16	38	23	40	161	3	0	0	0	2.85		.96	25	.0	0		6	2	0
SPARTA	M	55.3M	M		86	17+	39	23			0	0	0	0	1.92	-2.10	.50	1	.0	M		5	1	0
TULLAHOMA	79.4	57.7	68.6	-1.9	94	13	39	23	42	156	1	0	0	0	2.53	-1.13	1.11	1	.0	0		5	2	1
--DIVISIONAL DATA------->			66.2	-2.4											3.44	-.34			.0					
MIDDLE 03																								
CARTHAGE	78.7	58.0	68.4	-2.8	90	2	42	23	44	153	1	0	0	0	3.73	.08	1.80	14	.0	0		7	1	1
CELINA	78.4	55.2	66.8	-3.7	88	15	40	23	56	117	0	0	0	0	2.12	-1.29	.67	14	.0	0		8	1	0
CENTERVILLE WATER PL	81.8	54.1	68.0		91	14	33	23	41	136	2	0	0	0	1.57		.52	13	.0	0		5	1	0
CHEATHAM LOCK AND DAM	80.3	55.9	68.1		91	15	40	23+	52	150	1	0	0	0	4.14		1.62	13	.0	0		9	2	1
CLARKSVILLE SEW PLT	78.8	49.3	64.1	-7.3	88	14	37	24+	88	67	0	0	0	0	3.87	1.05	2.30	11	.0	0		5	2	1
COLUMBIA 3 WNW	81.2	54.9	68.1		91	15+	35	22	57	155	3	0	0	0	1.88	-1.52	.49	2	.0	0		8	0	0
DICKSON	79.4	56.9	68.2	-3.0	91	14	38	23	44	145	1	0	0	0	5.37	2.61	2.28	13	.0	0		6	4	1
DOVER 1 W	78.9	52.3	65.6	-4.5	90	15	37	23	80	106	1	0	0	0	8.81	5.59	4.15	13	.0	0		6	2	2
FAYETTEVILLE	81.3	55.4	68.4		90	16+	35	23	53	162	2	0	0	0	2.03	-1.49	.87	3	.0	0		5	1	0
FRANKLIN SEWAGE PLANT	81.7	56.6	69.2	-1.5	91	15+	36	23	35	169	4	0	0	0	3.39	.26	.81	26	.0	0		9	3	0
KINGSTON SPRINGS 2 NNE	79.7	56.6	68.2		90	15	40	22	47	151	1	0	0	0	5.06	1.98	2.27	13	.0	0		9	3	2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

MONTHLY SUMMARIZED STATION AND DIVISIONAL DATA

TENNESSEE
SEPTEMBER 1982

STATION	TEMPERATURE (°F) AVERAGE MAXIMUM	AVERAGE MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	HEATING DEGREE DAYS	COOLING DEGREE DAYS	NO. OF DAYS MAX 90 OR ABOVE	MAX 32 OR BELOW	MIN 32 OR BELOW	MIN 0 OR BELOW	PRECIPITATION (IN) TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOW, SLEET TOTAL	MAX. DEPTH ON GROUND	DATE	NO. OF DAYS .10 OR MORE	.50 OR MORE	1.00 OR MORE
LAFAYETTE	78.9	53.9	66.4		89	14	38	23	53	104	0	0	0	0	M 3.07		2.00	14	.0	0		6	1	1
LAWRENCEBURG FILT PL	79.3	55.8	67.6		88	15+	36	23	48	132	0	0	0	0	2.70		.79	15	.0	0		7	2	0
LEBANON 3 W	79.2	56.0	67.6		91	15	37	23	49	134	1	0	0	0	3.56		1.62	14	.0	0		8	2	1
LEWISBURG EXP STN	79.7	55.7	67.7	-3.0	90	15	36	23	56	144	1	0	0	0	2.58	-.92	1.11	26	.0	0		4	2	1
LINDEN 2	80.7	54.6	67.7		92	2	35	24+	58	144	2	0	0	0	1.55		.66	13	.0	0		5	1	0
MOUNT PLEASANT 2 SW	82.1	53.3	67.7		94	2	34	24	57	146	3	0	0	0	.91		.20	19	.0	0		4	0	0
MURFREESBORO 5 N	79.3	56.1	67.7	-4.2	90	15	39	24+	52	138	1	0	0	0	4.60	1.10	1.05	3	.0	0		8	5	1
NASHVILLE WSO AP // R	79.6	59.6	69.6	-2.4	90	14	42	23	30	177	1	0	0	0	3.23	.14	.85	13	.0	0		7	3	0
NEAPOLIS EXP STATION	80.0	54.8	67.4		90	15+	36	23	58	136	2	0	0	0	1.49		.41	13+	.0	0		4	0	0
PORTLAND SEWAGE PLANT	80.3	55.3	67.8		88	16	38	24	41	130	0	0	0	0	2.58		.94	3	.0	0		8	1	0
PULASKI WATER PLANT	83.3	58.4	70.9		92	14	38	23	22	207	5	0	0	0	2.80		1.17	25	.0	0		4	2	2
SAVANNAH 6 SW	83.7	59.4	71.6	-.9	94	1	41	22	20	222	5	0	0	0	2.16	-1.16	.91	13	.0	0		7	1	0
SHELBYVILLE 3	80.4	58.4	69.4		91	14	38	23	33	172	1	0	0	0	1.60		.71	2	.0	0		5	1	0
SMITHVILLE 2 SE	78.6	53.7	66.2		89	15	37	24+	69	108	0	0	0	0	4.60		1.59	14	.0	0		8	4	1
SPRINGFIELD EXP STN	77.4	56.7	67.1	-3.5	88	15	41	24+	62	131	0	0	0	0	4.39	1.64	1.58	14	.0	0		7	3	1
WAVERLY 4 W	79.0	55.2	67.1		89	15	37	22	70	144	0	0	0	0	3.38		2.31	13	.0	0		3	2	1
WAYNESBORO	82.3	55.9	69.1	-.6	95	15	40	23	42	170	5	0	0	0	1.49	-1.67	.60	16	.0	0		5	1	0
WOODBURY 1 WNW	80.3	54.6	67.5		89	15	35	23	48	128	0	0	0	0	5.98		1.49	26	.0	0		9	4	3
--DIVISIONAL DATA-------->			67.9	-3.0											3.27	.01			.0					
WESTERN 04																								
AMES PLANTATION	82.3	58.2	70.3		92	15	42	24+	39	203	4	0	0	0	2.45		1.51	16	.0	0		4	2	1
BOLIVAR WTR WKS	81.8	57.8	69.8	-1.7	93	2	41	23+	37	191	4	0	0	0	2.54	-1.07	1.05	13	.0	0		6	2	1
BROWNSVILLE	83.2	59.9	71.6	-1.0	94	2	46	23+	28	233	4	0	0	0	4.09	.46	1.91	13	.0	0		4	2	2
COVINGTON 1 W	82.2	57.6	69.9	-2.2	93	16+	43	23+	40	195	5	0	0	0	1.96	-1.44	1.70	13	.0	0		2	1	1
DRESDEN	80.6	58.6	69.6		92	2	42	22	41	184	3	0	0	0	5.02	1.57	2.80	13	.0	0		5	2	2
DYERSBURG FAA AP	81.8	61.8	71.8		93	1	44	22	21	232	2	0	0	0	4.11		1.70	13	.0	0		4	3	2
HUNTINGDON WATER PLANT	81.2	57.3	69.3		93	2	43	24+	39	173	2	0	0	0	9.72		7.43	13	.0	0		5	2	1
JACKSON FAA AP	82.3	59.0	70.7		94	14	42	22	32	208	4	0	0	0	2.75		2.07	12	.0	0		3	2	1
JACKSON EXP STN	80.7	59.2	70.0	-1.4	91	2	41	22	39	195	3	0	0	0	2.30	-.92	1.51	13	.0	0		3	2	1
LEXINGTON	83.0	59.6	71.3		93	16+	42	23	28	222	4	0	0	0	3.81		2.55	13	.0	0		6	1	1
MARTIN U OF T BRANCH	80.5	55.3	67.9	-4.0	92	2	39	22	59	153	3	0	0	0	2.98	-.52	1.72	13	.0	0		4	1	1
MEMPHIS WSFO R	82.6	63.9	73.3	-.3	93	1	48	23+	20	275	6	0	0	0	1.92	-1.09	.82	15	.0	0		4	2	0
MILAN	80.2	57.4	68.8	-2.3	91	2	42	24+	47	169	3	0	0	0	14.91	11.29	13.60	13	.0	0		4	2	1
MOSCOW	82.8	58.2	70.5	-1.1	92	15+	39	23	34	205	4	0	0	0	2.36	-1.24	1.81	16	.0	0		3	1	1
NEWBERN	80.9	56.1	68.5	-3.3	93	2	38	23+	55	168	4	0	0	0	3.45	-.06	1.81	13	.0	0		6	2	2
PARIS 5 E	79.0	56.5	67.8	-2.8	90	15+	41	23	54	142	2	0	0	0	4.46	1.19	2.66	13	.0	0		5	2	2
RIPLEY	84.9	60.8	72.9		93	2	47	22	15	260	8	0	0	0	4.78		4.00	13	.0	0		6	1	1
SAMBURG W L REFUGE	80.3	57.7	69.0	-2.4	91	2	42	23	42	168	4	0	0	0	4.57	1.44	2.77	1	.0	0		5	3	1
SELMER	82.1	56.1	69.1		92	2	37	22	42	173	3	0	0	0	6.91	3.52	2.78	16	.0	0		7	3	3
UNION CITY	79.7	56.9	68.3	-1.9	91	15+	43	23	49	154	2	0	0	0	2.95	-.69	1.67	13	.0	0		6	1	1
--DIVISIONAL DATA-------->			70.0	-1.7											4.40	1.01			.0					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

TENNESSEE
SEPTEMBER 1982

STATION	TOTAL	DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TENNESSEE																
EASTERN 01																
ATHENS	1.81	.18	.26	.67										.08	T	
BRISTOL WSO AP R	5.53	1.80	T											.24	3.15	
CHATTANOOGA WSO AP R	1.34	T	.17									.33	T	T		
CLEVELAND 6 NNE	2.24	.68	.78						T			.28	T	.10		.10
CONASAUGA 2 N	2.63	T	.75	1.25	T						.02	.24	.03			
COPPERHILL	3.05		.78	.67								.16	.83		.12	
DAYTON	1.83	.30	.43									.14	T	.16		
ERWIN 2 SW	4.89	1.48	.37	.10											1.14	.13
GATLINBURG 2 SW	6.55	1.25	2.30	1.59									.04			.17
GREENEVILLE EXP STN	2.13	.50	.79	.16											.15	
JEFFERSON CITY 3 ENE	2.62	1.00	.54											.10		
KINGSPORT	7.10	2.24	.39	.04											2.65	1.48
KINGSTON	3.27	.20	.78	1.19									.04	.24	.08	.13
KNOXVILLE EXP STATION	1.82	.53	.40								.02			.13		
KNOXVILLE WSO AP //R	2.68	1.10	.73									T		.01		
KNOXVILLE U OF TENN	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LENOIR CITY	2.75	.04	1.34	.45								.01	.02	T	.08	.03
MORRISTOWN RADIO WCRK	1.79	.82	.39	T										.05	.12	
NEWCOMB	4.28	.66	2.13	.90	T										.20	T
NEWPORT 1 NW	2.47	.29	.50	.85											.13	
NORRIS 4 NE	3.45	1.75	.80									.20		.20	T	
OAK RIDGE ATDL	5.31	3.27	.70	1							1	.03	.01	.27	.06	
ROCKWOOD 2	3.46	.15	.51	1.30									.42	.05	.15	
ROGERSVILLE 1 NE	4.28	3.66	.12												.28	
SEVIERVILLE 1 SE	3.54	2.00	.47	.09								.08		.09	.09	
TAZEWELL	6.07	1.62	2.32	.59									T	T	.21	T
CUMBERLAND PLATEAU 02																
ALLARDT	4.06	.69	2.31									.01		.47		.02
COOKEVILLE	3.37	.12	.12	1.07										.16	.68	.04
CROSSVILLE FAA AP	3.34	1.13	1.20									.05		.32		
CROSSVILLE EXP STN	2.97	.42	1.56	.22									.02	.14	.21	
JAMESTOWN	5.49	.22	1.65	2.01									T	.05	.45	.04
LIVINGSTON M	2.70	.11	.21	-										.74	.60	.13
LIVINGSTON RADIO WLIV	3.04	.39	.73											.68	T	.18
MC MINNVILLE	4.16	.59	.85	.03								.20		.16	1	1.21
MONTEAGLE	1.74		.26	.33									.07	.07		
MONTEREY	3.12	.35	.35	.43									T	.15	.40	T
ONEIDA	7.84	.23	1.66	4.80				.02	.10					.02	.15	.01
PIKEVILLE	2.85	.14	.47		T									.20		
SPARTA	1.92	.50	.45										.05	.33	.01	.17
TULLAHOMA	2.53	1.11	.42									.23		.09		
MIDDLE 03																
BETHPAGE	4.35	.16	.13	.27										.57	2.53	.19
CARTHAGE	3.73	.07	.14	.45									.16	.36	1.80	.03
CELINA	2.12	.11	.05	.43									T	.11	.67	.18
CENTERVILLE WATER PL	1.57	.11	.02									T	T	.52		.31
CHEATHAM LOCK AND DAM	4.14	.70		.36										1.62	.30	.20
CLARKSVILLE SEW PLT	3.87		.14									2.30		.96	.16	
COLUMBIA 3 WNW	1.88	.09	.49										.03	.20		.10
DICKSON	5.37	.80	.07										.13	2.28	T	.73
DOVER 1 W	8.81	3.78		.03									.04	4.15		.08
FAYETTEVILLE	2.03		.17	.87										.09		
FRANKLIN SEWAGE PLANT	3.39	.37	.13	.17									.12	.65	.16	
GAINESBORO 4 NNW	6.36	.76	T	1.62								1	1	.31	.76	
KINGSTON SPRINGS 2 NNE	5.06	.53	.25	.20										2.27	1.26	.15
LAFAYETTE M	3.07	-	-	-									.05	.26	2.00	.40
LAWRENCEBURG FILT PL	2.70	.38	.10								T	.11	.09	.15		.79
LEBANON 3 W	3.56	.15	.05	.46	T	T	T	T	T				.29	.50	1.62	.15
LEBANON 7 N-HUNTERS PT	5.09	.19	.17	1.39									.07	.42	2.32	.31
LEWISBURG EXP STN	2.58	T	.77	.08									T	.12	1	

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

TENNESSEE
SEPTEMBER 1982

STATION	DAY OF MONTH 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
TENNESSEE																
EASTERN 01																
ATHENS						.03	.03				.35	.21	T			
BRISTOL WSO AP R				.20	.07	.07			T	T	T					
CHATTANOOGA WSO AP R			T		T				T	.84						
CLEVELAND 6 NNE					T	T			.01	.29	T		T	T		
CONASAUGA 2 N										.20	.14					
COPPERHILL						.01				.01	.30	.17				
DAYTON			T						.01	.64	.15	T				
ERWIN 2 SW	1.31		.09				.24			.03						
GATLINBURG 2 SW							.55				.35	.30				
GREENEVILLE EXP STN							.45	T			.08					
JEFFERSON CITY 3 ENE					.13						.78	.07				
KINGSPORT					T	.12	.16			T	T	.02				
KINGSTON			T		.03	.02				.16	.31	.09				
KNOXVILLE EXP STATION				.01	.02					.36	.35					
KNOXVILLE WSO AP //R					T	.05			.02	.03	.44					
KNOXVILLE U OF TENN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LENOIR CITY					T	T	T			T	.28	.50				
MORRISTOWN RADIO WCRK					.08	.03	T			.19	.09	.02				
NEWCOMB				T		T			T	T	.39	T				
NEWPORT 1 NW							.27				.15	.28				
NORRIS 4 NE									T	.50						
OAK RIDGE ATDL					.07	T				.59	.31					
ROCKWOOD 2					.02	.03				.18	.48	.15	.02			
ROGERSVILLE 1 NE					.08	.04	.01			.04	.02	.03				
SEVIERVILLE 1 SE						.07	.13			.25	.14	.13				
TAZEWELL					T	T	T	T		.02	.32	.99				
CUMBERLAND PLATEAU 02																
ALLARDT			.01	.01	.01				.01	.52						
COOKEVILLE				.28		.06				.19	.30	.35				
CROSSVILLE FAA AP			.04		.05	T			.07	.48						
CROSSVILLE EXP STN				.02							.10	.20				
JAMESTOWN				.02		.02				.70	.31	.02				
LIVINGSTON					T	.34				.37	.20					
LIVINGSTON RADIO WLIV			.04			.37			.06	.59						
MC MINNVILLE	T		.13		.08		T			.87	.03	.01	T			
MONTEAGLE				.01						.63	.37					
MONTEREY				.27		.10				.10	.97					
ONEIDA	.01	.10		.02		.02	.01			.14	.10	.33	.10		.02	
PIKEVILLE				.40	.03					.96	.65					
SPARTA				.03	.03			.01	.07	.03	.24					
TULLAHOMA		.04	.10		T				T	.53	.01					
MIDDLE 03																
BETHPAGE				.07		.06				.23	.14					
CARTHAGE				.05	T	.06				.25	.36					
CELINA				.07		.21				.19	.10					
CENTERVILLE WATER PL	.21		.30		.05				T	T	.05					
CHEATHAM LOCK AND DAM	.15			.19	.03	.40				.00	.13					
CLARKSVILLE SEW PLT		.10					.09	.09	.03							
COLUMBIA 3 WNW	.15			.22							.20	.30	.10			
DICKSON			.39	T	.05				.07	.85						
DOVER 1 W	.13			.10		.08			.14	.28						
FAYETTEVILLE				.25						.47	.18					
FRANKLIN SEWAGE PLANT				.46	T	.02				.50	.81					
GAINESBORO 4 NNW	1.03					.47				1.21	.20					
KINGSTON SPRINGS 2 NNE	.14									.11	.15					
LAFAYETTE						.10				.14	.12					
LAWRENCEBURG FILT PL	.04	.07								.47	.50					
LEBANON 3 W	T			.10	.03	.04	T			.10	.07	T				
LEBANON 7 N-HUNTERS PT				.04	T	.11				.07	T					
LEWISBURG EXP STN	T			.43	.05					.02	1.11					

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (INCHES)

TENNESSEE
SEPTEMBER 1982

STATION	TOTAL	DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
LINDEN 2	1.55			.14										.66		
MOUNT PLEASANT 2 SW	.91	.03	.08	.11									.07	.17	.02	.04
MURFREESBORO 5 N	4.60	.51	.71	1.05										.39	.30	
NASHVILLE WSO AP // R	3.23	.02	.62									.76	.10	.85	.03	T
NEAPOLIS EXP STATION	1.49	.17	.30	.41										.41		
NORTH SPRINGS	3.04		.25											.	1.05	.25
OLD HICKORY DAM	3.03	.28		.20									.08	.69	1.33	.03
ORLINDA	4.80	.43	.30	.86									T	.65	1.81	.19
PORTLAND SEWAGE PLANT	2.58	.17	.31	.94											.27	.24
PULASKI WATER PLANT	2.80	1.05	.28											.19		.08
SAVANNAH 6 SW	2.16	.20	.18										.18	.91		.05
SHELBYVILLE 3	1.60	.22	.71									T		.14		
SMITHVILLE 2 SE	4.60	.12	.72	.21											1.59	.61
SPRINGFIELD EXP STN	4.00	.00	.17	.74									.02	.89	1.58	.44
STATESVILLE	3.46	.89	.06	.74									.22	.35	.45	
WAVERLY 4 W	3.38	.81	.04											2.31		
WAYNESBORO	1.49	.14	.05	.15										.28		
WOODBURY 1 WNW	5.98	1.08	1.44	.91									T	.25	T	.16
WESTERN 04																
AMES PLANTATION	2.45			.06										.55		.20
BOLIVAR WTR WKS	2.54	.08	T	.25									.03	1.05		.22
BOLTON	1.35			.02										.71		
BROWNSVILLE	4.09			.37								T	.02	1.91		
COVINGTON 1 W	1.96			T									T	1.70		
DRESDEN	5.02	1.38		.35									.03	2.80	.04	
DYERSBURG FAA AP	4.11		.35										1.30	1.70		T
HUNTINGDON WATER PLANT	9.72	.42		.07									.04	7.43	.01	
JACKSON FAA AP	2.75		T									T	2.07			.53
JACKSON EXP STN	2.30			.03							.02		T	1.51		
LEXINGTON	3.81	.45		.12									.20	2.55		.14
MARTIN U OF T BRANCH	2.98	.08		.38						T			T	1.72	.03	
MEMPHIS WSFO R	1.92											.22	.56			.82
MILAN	14.91			.13						.06			.02	13.60		
MOSCOW	2.36		.07										.22	.10	.04	
NEWBERN	3.45	.14		.30										1.81		
PARIS 5 E	4.46	1.03											.04	2.66	.02	.04
RIPLEY	4.78			.15						.10			.10	4.00		
SAMBURG W L REFUGE	4.57	2.77	T	.18										.56		
SELMER	6.91	.27	1.24	.40								.02		1.76		
UNION CITY	2.95	.26		.15										1.67		

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY PRECIPITATION (CONT)

TENNESSEE
SEPTEMBER 1982

STATION	DAY OF MONTH 16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
LINDEN 2	.31			.05	.11					T	.28					
MOUNT PLEASANT 2 SW	.11			.20	.03	.02					.03					
MURFREESBORO 5 N				.21		T				.70	.73					
NASHVILLE WSO AP // R			.13	T	.33				.08	.31						
NEAPOLIS EXP STATION	.02				.08	.03					.07					
NORTH SPRINGS				.06		.38				.60	.45					
OLD HICKORY DAM	T			.05		.04				.09	.22	.02				
ORLINDA				.33						.07	.06	.10				
PORTLAND SEWAGE PLANT	.22				.29						.14					
PULASKI WATER PLANT				.03	T					1.17	T					
SAVANNAH 6 SW	.22		.20		.01					.20		.01				
SHELBYVILLE 3			.10		.09					.34						
SMITHVILLE 2 SE				.08		.24				.40	.63					
SPRINGFIELD EXP STN	T			.10	.01					.07	.04					
STATESVILLE				.15	.20					.09	.31					
WAVERLY 4 W											.22					
WAYNESBORO	.60			.22	.05					T						
WOODBURY 1 WNW				.12		.26				.27	1.49					
WESTERN 04																
AMES PLANTATION	1.51			.10	.03				T	T		T				
BOLIVAR WTR WKS	.10			.14	.03						.64					
BOLTON	.54			.08						T						
BROWNSVILLE	1.58				.19					.02						
COVINGTON 1 W	.06			T	.18				T	.02						
DRESDEN	.02			.18					.13	.06	.03					
DYERSBURG FAA AP	.70		T		T				T	.06						
HUNTINGDON WATER PLANT	.83			.48	.03				T	.03	.38	T				
JACKSON FAA AP			T		.12				T	.03						
JACKSON EXP STN			.58		.10					T	.06	T				
LEXINGTON	.35				T			T	T							
MARTIN U OF T BRANCH	.03			.18					.08	.09	.39					
MEMPHIS WSFO R			.30		.02				T							
MILAN	.21			T	.03				.01	.04	.81					
MOSCOW	1.81		.08		.02					.02						
NEWBERN	1.00			T					.10	.10						
PARIS 5 E	.04			.19					.03	.11	.30					
RIPLEY	.13				T					.30						
SAMBURG W L REFUGE	.74			.25	.01				.02	.04						
SELMER	2.78			.23	.02					.09	.10					
UNION CITY	.44			.22					.07	.14						

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

TENNESSEE
SEPTEMBER 1982

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
TENNESSEE																																	
EASTERN 01																																	
ATHENS	MAX	79	85	80	83	78	84	83	83	85	84	81	73	83	84	86	88	86	87	85	82	75	70	68	72	71	66	75	74	78	82		79.7
	MIN	68	67	64	56	55	59	57	57	57	58	64	66	67	66	64	64	61	60	60	57	50	42	38	39	45	54	48	49	50	51		56.4
BRISTOL WSO AP R	MAX	76	75	81	76	78	80	80	82	80	82	81	84	80	81	84	81	81	81	78	66	70	62	65	69	65	63	70	75	77	76		76.0
	MIN	68	68	60	53	50	53	53	56	56	56	57	59	63	68	66	62	57	56	62	53	51	46	41	44	49	54	52	47	48	51		55.3
CHATTANOOGA WSO AP R	MAX	90	89	83	79	84	83	83	85	83	82	73	79	84	90	90	88	88	87	83	75	70	69	73	74	68	74	75	79	83	81		80.8
	MIN	71	69	63	60	56	62	59	59	58	65	67	68	70	67	68	65	63	63	62	58	53	47	40	47	54	54	51	52	53	53		59.2
CLEVELAND 6 NNE	MAX	89	83	82	78	82	81	83	85	84	83	74	80	82	83	86	86	85	85	82	74	69	68	71	72	68	75	75	78	82	80		79.5
	MIN	59	68	59	55	54	60	56	56	56	62	64	67	68	65	66	63	61	61	59	55	52	42	38	43	54	53	49	47	48	51		56.3
COPPERHILL	MAX	83	82	83	82	82	82	82	82	84	82	81	74	80	80	88	87	88	88	86	82	75	72	66	72	74	66	72	72	79	80		79.5
	MIN	69	65	65	54	52	54	54	54	55	55	63	66	66	63	63	64	58	58	60	57	47	48	36	36	44	49	49	48	48	50		55.0
DAYTON	MAX	86	78	82	81	83	84	84	85	83	81	77	82	81	89	90	88	87	83	82	76	69	69	72	63	65	75	73	79	81	80		79.6
	MIN	71	68	67	55	53	58	57	57	57	60	64	67	68	67	65	66	59	59	64	59	54	44	39	44	54	54	49	49	49	52		57.6
ERWIN 2 SW	MAX	74	78	77	80	76	80	79	80	83	84	81	83	82	82	80	80	82	80	78	79	71	62	65	68	66	65	69	75	78	76		76.4
	MIN	66	63	62	51	49	51	50	53	55	58	59	50	62	65	63	63	55	57	59	59	48	45	37	37	41	42	45	42	48	52		53.2
GATLINBURG 2 SW	MAX	82	74	78	74	74	76	78	78	78	78	78	72	80	75	81	80	81	80	78	80	68	68	60	66	67	68	68	69	73	75		74.6
	MIN	68	65	64	52	51	52	53	54	55	56	57	50	61	65	63	64	55	58	60	59	51	50	38	41	40	39	41	47	48	49		53.5
GREENEVILLE EXP STN	MAX	76	78	78	80	77	81	80	82	82	83	80	81	84	78	83	85	83	85	80	81	70	72	63	68	70	62	68	71	77	75		77.1
	MIN	67	64	65	52	50	50	50	52	54	59	60	58	60	68	62	63	55	55	58	58	50	49	38	38	38	51	51	44	44	46		53.6
JEFFERSON CITY 3 ENE	MAX	78	75	80	78	82	82	82	83	83	82	81	82	80	87	86	86	84	85	83	80	79	76	68	69	68	67	70	75	80	79		79.0
	MIN	70	67	67	51	53	54	53	55	58	58	59	60	65	68	65	64	55	58	57	56	54	46	37	43	49	48	53	50	45	50		55.6
KINGSPORT	MAX	75	75	82	80	80	81	81	84	81	83	83	84	81	83	86	84	81	82	82	77	71	63	67	69	66	64	70	76	78	78		77.6
	MIN	69	67	67	63	50	54	54	57	57	56	58	59	63	67	68	63	56	57	64	59	52	48	40	45	50	55	54	48	48	51		56.6
KNOXVILLE EXP STATION	MAX	81	76	81	77	83	82	83	85	82	82	77	83	77	86	86	85	86	85	82	72	67	67	70	65	61	71	73	77	81	80		78.1
	MIN	64	62	51	49	54	52	54	55	55	57	60	64	64	63	60	55	55	58	53	48	40	38	41	42	50	50	45	45	45	50		52.6
KNOXVILLE WSO AP 11R	MAX	85	81	83	79	82	82	84	85	83	84	79	84	78	88	88	88	86	85	82	74	70	69	72	68	63	74	73	78	81	80		79.6
	MIN	72	70	62	60	58	61	59	59	61	65	65	69	72	70	70	67	64	63	67	59	55	49	44	48	54	58	55	50	51	55		60.4
KNOXVILLE U OF TENN	MAX																																M
	MIN																																M
LENOIR CITY	MAX	79	84	76	81	78	83	81	84	85	83	81	77	84	77	86	87	86	86	85	82	72	69	66	71	66	61	71	72	77	80		78.3
	MIN	65	69	67	57	55	57	57	59	59	60	63	66	68	69	67	64	61	61	61	58	52	44	41	44	47	54	52	48	49	50		57.6
MORRISTOWN RADIO WCRK	MAX	76	72	80	79	80	81	81	82	80	81	78	82	78	86	86	84	81	82	80	77	67	63	68	66	63	69	69	75	79	76		76.7
	MIN	69	67	66	50	51	52	54	54	54	58	57	59	64	68	66	64	55	56	61	58	49	44	38	43	48	55	52	45	47	50		55.1
NEWPORT 1 NW	MAX	70	77	76	80	78	80	81	82	84	82	81	78	84	77	85	85	85	85	83	80	70	72	64	75	70	72	71	71	77	79		77.8
	MIN	69	66	66	54	51	53	52	54	55	56	56	59	60	66	64	63	58	57	59	60	51	47	39	39	43	53	51	46	46	47		54.7
NORRIS 4 NE	MAX	82	78	79	78	80	82	81	82	81	79	80	79	79	84	82	84	83	81	80	76	75	65	69	69	65	74	79	77	84	83		78.3
	MIN	65	66	66	63	58	69	66	64	61	60	60	63	65	65	68	65	60	62	59	56	54	47	48	49	52	52	60	54	63	66		60.2
OAK RIDGE ATDL	MAX	82	72	81	78	83	82	82	85	82	83	74	82	76	87	86	84	85	84	80	72	66	65	71	62	59	72	72	76	79	78		77.3
	MIN	67	68	56	53	53	58	58	57	60	60	61	66	67	68	66	60	59	58	56	54	49	41	37	44	52	53	50	50	49	55		56.2
ROCKWOOD 2	MAX	79	84	74	80	79	82	84	85	85	84	82	86	84	76	85	87	86	86	85	82	75	66	67	72	64	61	73	72	76	82		78.8
	MIN	72	67	67	52	53	56	55	55	55	56	62	68	69	67	65	67	58	58	60	53	54	42	38	40	47	50	50	46	48	51		56.0
ROGERSVILLE 1 NE	MAX	77	74	83	78	82	83	82	84	82	83	84	85	85	87	88	84	83	85	82	79	68	66	69	67	63	69	71	76	81	79		78.6
	MIN	68	65	67	51	50	52	53	54	51	56	57	58	63	68	66	61	56	53	61	56	50	43	37	42	48	54	51	44	48	51		54.5
SEVIERVILLE 1 SE	MAX	78	79	81	80	83	83	83	84	83	83	78	80	77	87	86	87	84	83	84	73	71	66	70	70	62	72	72	78	80	78		78.5
	MIN	57	56	57	53	51	53	52	57	61	56	56	61	58	61	65	63	56	58	56	45	49	44	40	44	49	55	47	52	49	49		53.7
TAZEWELL	MAX	78	75	71	77	77	81	81	82	83	87	87	80	82	75	82	84	83	83	82	77	72	64	66	70	65	60	68	68	77	80		76.6
	MIN	68	66	64	49	46	47	53	54	53	51	53	58	62	65	64	61	56	53	54	53	51	45	36	37	44	50	53	50	47	47		53.0
CUMBERLAND PLATEAU 02																																	
ALLARDT	MAX	82	74	75	73	79	78	79	79	79	80	74	79	75	83	81	79	79	76	72	69	64	66	61	67	61	68	67	73	77	76		74.2
	MIN	68	67	64	52	51	54	55	56	57	58	61	64	66	67	64	66	55	59	57	55	53	38	41	46	54	49	53	45	47	52		55.8
COOKEVILLE	MAX	88	88	81	78	78	84	82	84	84	85	83	76	83	78	89	85	83	86	78	77	74	62	65	70	66	62	70	71	79	83		78.4
	MIN	70	68	65	52	51	53	54	55	57	59	61	63	66	69	64	65	57	57	60	57	57	39	39	39	49	48	48	48	48	48		55.5

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES (°F)

TENNESSEE
SEPTEMBER 1982

STATION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
		DAY OF MONTH																															
CROSSVILLE FAA AP	MAX	80	76	73	73	76	78	78	78	77	76	69	76	74	84	80	80	82	76	72	68	58	59	66	63	62	68	68	73	77	76		73.2
	MIN	67	67	55	50	50	54	52	54	56	58	62	65	68	68	62	60	56	58	54	51	44	38	36	45	54	52	47	45	48	50		54.2
CROSSVILLE EXP STN	MAX	78	82	78	73	72	77	78	79	80	77	77	69	77	74	84	81	80	82	78	73	70	58	60	66	61	60	69	69	73	80		73.8
	MIN	67	66	65	52	51	52	55	55	56	56	60	63	66	67	61	61	56	55	57	56	50	41	37	39	47	51	50	46	49	50		54.5
LIVINGSTON RADIO WLIV	MAX	85	80	80	78	83	85	85	86	85	86	81	84	84	88	89	81	86	83	77	75	69	65	70	71	63	71	72	81	82	81		79.5
	MIN	68	66	64	55	51	52	54	55	58	59	59	59	68	63	68	68	56	56	55	58	51	39	37	45	52	49	53	47	48	50		55.4
MC MINNVILLE	MAX	86	83	78	78	84	82	83	84	84	80	78	83	84	89	85	84	85	81	78	73	70	64	70	68	66	71	71	79	83	80		78.8
	MIN	71	67	68	54	53	55	53	57	59	61	61	66	70	65	64	68	61	60	61	58	56	39	38	47	57	50	51	48	51	55		57.5
MONTEAGLE	MAX	79	88	80	75	78	77	83	82	83	80	78	71	76	82	87	87	70	74	77	76	67	61	63	69	65	65	73	69	71	80		75.5
	MIN	68	66	66	52	52	58	57	58	60	62	65	64	65	67	64	65	60	59	58	56	54	40	40	41	52	47	47	47	50	56		56.5
ONEIDA	MAX	77	76	75	75	79	80	80	80	81	81	81	82	80	72	84	80	80	82	82	73	70	58	60	68	66	71	67	67	75	78		75.3
	MIN	67	63	50	55	52	47	51	52	51	54	55	53	53	63	62	59	55	53	55	52	52	35	34	35	40	51	48	45	45	44		51.0
PIKEVILLE	MAX	81	80	80	80	82	83	84	85	84	81	80	83	82	90	90	92	88	88	80	79	74	67	72	71	64	75	74	78	83	81		80.4
	MIN	72	68	68	53	53	55	55	56	57	60	60	69	70	67	65	65	57	59	63	58	54	42	38	45	54	51	53	46	48	52		57.1
SPARTA	MAX	86	81	78	77	79	84											86	85	80	77	72	64	71	70	69	69	71	80	82	79		M
	MIN							57	56	57	58	66	66	65	66	64	67	56	58	55	56	54	40	35	45	45	50	52	46	46			55.3
TULLAHOMA	MAX	86	84	77	77	83	82	89	85	83	81	78	79	94	89	87	85	86	82	76	74	67	65	71	70	69	70	72	79	82	81		79.4
	MIN	70	66	66	55	54	55	55	58	58	63	66	66	69	66	65	66	61	60	60	58	55	41	39	47	55	50	59	46	49	53		57.7
MIDDLE 03																																	
CARTHAGE	MAX	83	90	82	79	78	84	84	83	83	84	84	75	83	78	89	85	81	84	84	77	77	65	67	70	66	65	70	71	78	82		78.7
	MIN	70	70	63	52	51	56	61	62	62	62	64	64	67	68	65	68	57	61	54	57	55	43	42	45	52	56	53	52	54	55		58.0
CELINA	MAX	83	87	82	80	78	84	82	85	83	82	83	77	85	76	88	85	79	85	79	77	76	65	65	71	65	66	70	72	79	83		78.4
	MIN	68	67	62	52	49	51	54	60	59	60	60	60	64	64	64	65	55	55	61	50	53	41	40	42	47	53	53	49	49	49		55.2
CENTERVILLE WATER PL	MAX	90	86	83	79	86	86	86	86	87	84	80	78	88	91	89	83	86	85	77	83	76	69	74	76	72	70	72	81	86	84		81.8
	MIN	67	66	58	55	50	54	55	56	56	56	64	56	65	63	62	62	56	56	53	56	50	34	33	45	60	50	49	44	44	48		54.1
CHEATHAM LOCK AND DAM	MAX	86	89	87	78	78	82	82	82	83	86	84	77	87	88	91	87	82	82	86	79	78	64	66	75	72	73	68	71	79	84		80.3
	MIN	60	70	58	52	50	53	57	64	61	64	66	68	66	62	64	65	58	60	51	59	48	40	40	45	42	52	52	50	49	52		55.9
CLARKSVILLE SEW PLT	MAX	86	82	75	76	83	85	85	85	81	81	81	79	85	88	85	80	83	84	73	75	70	67	70	73	73	63	70	78	83	84		78.8
	MIN	58	53	48	47	54	41	41	59	56	54	50	50	63	61	61	53	58	46	46	46	38	39	37	37	53	42	44	45	49	49		49.3
COLUMBIA 3 WNW	MAX	87	91	85	79	80	84	86	86	87	86	85	80	80	89	91	87	84	90	79	78	77	66	67	74	76	69	71	73	82	86		81.2
	MIN	70	71	65	50	49	51	56	56	58	57	63	68	69	65	64	65	58	58	54	54	54	35	38	37	48	51	49	45	42	48		54.9
DICKSON	MAX	89	86	78	79	85	86	85	85	84	84	77	80	82	91	86	82	82	72	76	78	63	67	72	75	72	69	72	79	84	82		79.4
	MIN	69	70	58	51	51	58	58	62	61	60	64	69	71	66	64	64	64	59	53	51	46	41	38	49	54	54	49	49	50	54		56.9
DOVER 1 W	MAX	80	89	81	77	81	80	85	85	84	83	84	77	83	88	90	88	80	84	74	75	77	65	67	72	76	68	65	70	77	83		78.9
	MIN	63	68	52	47	45	49	56	60	59	55	58	64	66	64	60	62	52	54	46	46	45	38	37	38	50	53	46	43	46	47		52.3
FAYETTEVILLE	MAX	86	89	88	80	89	84	84	83	86	85	84	78	80	87	90	90	87	88	86	79	78	69	69	73	73	66	72	73	80	84		81.3
	MIN	70	65	64	52	50	53	54	54	55	64	66	65	67	64	63	63	58	58	61	57	54	36	35	43	50	52	49	43	47	50		55.4
FRANKLIN SEWAGE PLANT	MAX	90	91	86	86	84	85	85	86	85	84	82	79	86	91	91	85	82	86	76	77	75	67	73	73	73	70	73	80	85	84		81.7
	MIN	69	68	62	50	50	55	58	58	58	61	67	67	71	67	64	66	61	57	55	55	53	39	36	48	54	55	51	45	48	51		56.6
KINGSTON SPRINGS 2 NNE	MAX	82	89	86	78	78	85	85	85	85	84	83	78	80	85	90	85	82	87	79	77	76	65	69	76	72	72	68	71	76	84		79.7
	MIN	69	70	60	52	50	52	58	60	62	61	64	68	70	66	65	65	58	59	54	58	52	40	41	41	48	55	53	49	49	49		56.6
LAFAYETTE	MAX	86	85	82	80	80	82	84	84	80	81	79	82	79	89	87	82	84	82	81	74	70	64	70	69	70	69	72	76	83	82		78.9
	MIN	64	60	57	56	55	49	57	58	58	58	56	62	63	62	61	64	52	50	50	53	47	43	38	46	48	49	50	51	48	53		53.9
LAWRENCEBURG FILT PL	MAX	84	84	78	76	81	82	82	82	84	80	76	78	84	88	88	82	86	84	82	76	75	69	73	73	74	70	72	77	79	81		79.3
	MIN	64	66	62	61	60	63	50	54	56	60	64	65	65	65	66	64	58	59	57	56	53	40	36	47	47	49	44	42	48	51		55.8
LEBANON 3 W	MAX	80	89	85	78	79	81	85	85	85	85	83	75	83	84	91	87	81	84	74	76	77	65	65	72	70	69	69	74	80	85		79.2
	MIN	69	69	62	50	50	55	58	59	60	59	62	63	65	68	63	65	56	57	54	58	53	40	37	41	55	55	53	47	49	49		56.0
LEWISBURG EXP STN	MAX	86	88	86	79	78	83	83	83	85	84	83	77	78	86	90	84	85	87	83	78	76	66	68	71	73	68	69	72	78	83		79.7
	MIN	72	69	64	50	50	54	54	54	54	55	65	68	69	68	64	64	59	60	55	56	55	39	36	38	52	53	51	45	46	51		55.7
LINDEN 2	MAX	86	92	84	79	80	85	85	86	87	87	83	79	81	86	90	89	82	86	76	80	78	67	61	74	71	76	76	74	76	84		80.7
	MIN	66	67	59	48	48	50	58	57	57	57	59	67	70	64	64	64	59	59	50	52	49	35	36	35	49	55	58	45	48	52		54.6
MOUNT PLEASANT 2 SW	MAX	88	94	86	80	80	88	87	87	88	88	86	79	79	88	91	87	85	92	80	79	80	67	69	75	76	68	72	75	83	87		82.1
	MIN	70	68	63	48	47	47	54	53	56	55	58	66	66	67	63	61	57	55	53	52	52	36	35	34	52	50	47	43	44	47		53.3

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES(°F)

TENNESSEE
SEPTEMBER 1982

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
MURFREESBORO 5 N	MAX	81	89	81	78	78	83	83	81	85	84	81	81	81	84	90	87	84	86	78	77	76	66	66	71	71	70	70	73	79	84		79.3
	MIN	69	68	63	54	51	56	55	57	59	59	65	66	66	66	64	64	58	58	56	56	54	39	39	39	50	54	54	45	46	52		56.1
NASHVILLE WSO AP 7 R	MAX	89	85	80	79	83	84	84	84	84	81	77	81	86	90	86	83	85	75	77	77	66	68	73	72	71	70	72	78	84	83		79.6
	MIN	70	72	61	54	53	60	63	62	63	66	69	68	72	70	68	66	61	60	57	61	49	45	42	51	57	56	53	51	53	56		59.6
NEAPOLIS EXP STATION	MAX	84	90	85	77	77	84	84	84	85	85	86	77	79	87	90	85	83	86	78	77	76	65	67	75	75	70	70	69	82	88		80.0
	MIN	67	64	53	51	51	55	55	56	57	59	64	66	68	66	64	64	59	58	55	57	54	40	36	38	49	52	49	43	44	50		54.8
PORTLAND SEWAGE PLANT	MAX	80	86	84	76	85	86	86	84	84	83	86	84	82	82	82	88	84	78	82	84	78	76	72	68	74	73	74	78	73	77		80.3
	MIN	68	68	56	61	56	57	56	54	54	60	58	60	59	63	58	63	61	54	56	60	56	48	39	38	46	48	56	48	48	49		55.3
PULASKI WATER PLANT	MAX	90	88	82	82	84	84	86	86	86	87	83	78	89	92	90	88	91	91	81	80	78	70	77	76	78	72	74	83	87	85		83.3
	MIN	72	69	67	53	53	58	56	59	58	66	70	68	72	68	66	67	61	60	57	60	55	41	38	49	58	53	51	46	50	52		58.4
SAVANNAH 6 SW	MAX	94	88	83	82	87	87	89	90	90	89	88	82	89	92	92	85	87	85	78	78	75	71	75	80	77	71	73	82	86	85		83.7
	MIN	72	72	62	51	51	61	61	62	61	64	70	70	72	70	69	69	61	62	52	60	49	41	45	53	58	56	52	47	52	57		59.4
SHELBYVILLE 3	MAX	88	86	79	80	86	83	84	86	85	85	77	80	86	91	89	86	86	82	77	74	68	67	73	73	71	69	74	81	85	81		80.4
	MIN	72	68	65	53	53	58	56	58	60	66	67	67	71	67	65	68	60	60	59	59	55	39	38	49	58	52	53	48	52	55		58.4
SMITHVILLE 2 SE	MAX	82	87	81	79	79	83	83	84	85	85	80	75	82	81	89	84	83	85	80	76	76	63	65	72	68	67	70	72	79	82		78.6
	MIN	68	66	66	50	49	49	51	54	56	56	60	61	65	63	62	62	56	55	55	58	54	39	37	37	46	51	48	45	45	46		53.7
SPRINGFIELD EXP STN	MAX	77	87	83	75	75	82	84	84	82	82	82	75	80	85	88	85	78	84	70	74	75	62	65	70	70	69	69	70	77	82		77.4
	MIN	70	72	60	51	50	51	52	61	63	62	65	68	68	69	65	65	58	58	53	52	51	41	41	41	53	51	51	52	52	55		56.7
WAVERLY 4 W	MAX	80	88	83	78	78	85	86	85	85	85	84	78	83	85	89	88	80	86	72	74	77	64	66	71	71	70	66	72	78	83		79.0
	MIN	69	68	58	49	49	56	61	60	60	58	62	69	72	66	64	64	58	54	47	59	49	37	39	40	48	52	51	44	44	40		55.2
WAYNESBORO	MAX	87	91	87	80	82	85	88	90	87	87	86	80	80	86	95	90	86	90	80	81	78	67	68	76	75	67	73	73	83	86		82.3
	MIN	69	70	65	47	50	55	54	52	56	59	66	70	60	68	68	67	60	59	52	54	51	41	40	41	52	55	52	42	47	54		55.9
WOODBURY 1 WNW	MAX	84	80	80	80	85	85	85	86	86	84	78	82	80	87	89	86	88	80	79	78	67	67	74	72	70	71	74	82	86	84		80.3
	MIN	67	64	61	49	49	52	53	55	56	60	62	67	69	64	63	68	55	56	54	54	52	39	35	45	50	49	50	44	46	49		54.6
WESTERN 04																																	
AMES PLANTATION	MAX	90	91	85	85	81	87	88	86	87	87	87	84	79	89	92	91	81	88	76	77	77	67	70	75	82	72	70	76	82	86		82.3
	MIN	71	73	63	52	52	58	62	61	61	64	65	69	70	70	70	69	63	61	52	53	51	42	42	42	56	56	46	46	53	53		58.2
BOLIVAR WTR WKS	MAX	91	93	86	80	81	87	88	87	87	87	87	83	80	87	92	90	82	87	75	78	78	66	70	75	81	72	67	74	80	84		81.8
	MIN	70	74	64	51	51	53	62	60	60	62	64	70	71	70	69	68	62	62	51	53	52	41	41	42	55	57	50	50	50	50		57.8
BROWNSVILLE	MAX	92	94	84	81	82	87	87	88	89	88	89	83	81	89	93	92	82	87	87	78	80	66	71	77	81	76	66	76	83	86		83.2
	MIN	72	74	63	54	54	61	64	63	64	64	68	70	71	70	71	67	61	63	56	57	51	46	46	47	57	56	47	49	53	57		59.9
COVINGTON 1 W	MAX	91	93	84	81	82	85	90	88	88	88	89	83	79	88	92	93	81	86	71	77	80	66	70	77	81	72	65	76	84	87		82.2
	MIN	72	73	62	54	52	53	54	65	63	62	63	70	71	71	70	67	61	62	52	52	50	43	43	44	55	51	46	47	49	51		57.6
DRESDEN	MAX	86	92	80	80	81	85	87	87	86	85	85	78	81	88	91	90	82	86	72	77	78	66	70	72	79	73	64	74	80	83		80.6
	MIN	69	72	56	56	54	62	65	65	66	61	61	68	68	70	68	66	60	64	52	57	50	42	43	46	56	55	48	51	53	54		58.6
DYERSBURG FAA AP	MAX	93	82	80	82	86	89	89	87	88	87	81	81	87	91	89	82	85	82	75	76	67	69	74	80	70	74	74	81	87	85		81.8
	MIN	76	70	63	57	55	62	68	69	67	64	70	72	72	71	71	67	61	68	55	62	53	44	48	59	57	56	50	52	55	59		61.8
HUNTINGDON WATER PLANT	MAX	86	93	81	81	80	85	87	87	86	85	86	79	83	87	91	89	81	86	76	77	79	66	70	75	80	77	65	73	80	84		81.2
	MIN	69	69	60	52	53	52	59	63	64	61	62	66	72	69	69	68	60	60	51	51	51	43	43	43	56	56	51	47	48	51		57.3
JACKSON FAA AP	MAX	93	84	82	82	85	89	87	88	88	89	81	81	90	94	93	84	88	73	79	79	66	70	75	81	75	68	75	81	85	83		82.3
	MIN	73	71	60	52	54	62	65	62	64	63	69	70	71	71	68	68	61	58	51	58	47	42	43	56	56	50	48	49	50	57		59.0
JACKSON EXP STN	MAX	89	91	83	79	80	84	87	86	86	86	86	80	82	88	90	90	82	86	72	76	76	64	68	74	79	71	68	73	80	84		80.7
	MIN	73	75	62	52	52	54	63	62	64	64	69	71	72	71	69	68	61	63	51	55	51	41	42	49	57	58	49	49	52	57		59.2
LEXINGTON	MAX	90	93	84	84	86	88	90	87	85	86	85	79	80	85	89	93	84	86	84	80	78	62	70	78	79	81	76	73	86	85		83.0
	MIN	69	70	64	55	61	60	62	61	65	70	70	71	72	71	68	67	63	67	54	58	52	43	42	45	53	53	54	48	50	49		59.6
MARTIN U OF T BRANCH	MAX	88	92	80	78	80	85	88	88	85	81	86	79	81	88	91	90	81	86	75	76	78	65	68	74	80	70	64	73	81	85		80.5
	MIN	68	69	55	49	51	58	59	63	64	61	63	65	67	68	65	62	55	56	42	50	47	39	40	44	51	51	46	48	51	51		55.3
MEMPHIS WSFO R	MAX	93	90	85	84	88	91	89	90	91	86	85	79	88	90	89	79	86	74	76	77	65	69	77	80	74	70	76	85	86	85		82.6
	MIN	80	79	68	62	59	70	70	70	71	70	71	74	75	74	72	71	67	62	58	58	51	48	48	60	56	53	49	55	55	60		63.9
MILAN	MAX	78	91	80	79	81	87	87	88	86	85	86	78	85	87	90	90	81	85	73	76	77	65	68	74	79	71	64	73	79	83		80.2
	MIN	71	73	60	51	51	55	62	62	65	60	62	68	69	70	69	67	60	60	50	52	50	43	42	42	57	56	49	48	48	51		57.4
MOSCOW	MAX	92	89	83	84	87	89	88	88	87	86	86	81	91	92	92	81	88	76	78	79	71	70	76	83	73	67	75	82	85	85		82.8
	MIN	70	73	69	50	50	60	60	64	60	65	68	71	72	67	68	69	62	61	51	59	49	40	39	51	55	51	46	45	46	54		58.2

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY TEMPERATURES(°F)

TENNESSEE
SEPTEMBER 1982

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
NEWBERN	MAX	90	93	80	80	80	85	87	88	86	87	87	79	81	88	91	90	80	85	74	76	78	65	68	73	80	70	66	74	80	85		80.9
	MIN	72	72	55	49	48	57	64	65	63	53	60	63	70	69	67	64	56	58	47	60	49	38	38	43	51	53	47	46	47	47		56.1
PARIS 5 E	MAX	82	90	80	80	80	84	86	86	85	83	84	76	78	86	90	88	79	84	74	75	77	64	66	72	75	70	65	74	76	81		79.0
	MIN	68	69	60	53	51	52	60	64	64	59	60	67	68	68	66	67	59	59	50	52	50	43	41	42	55	54	49	48	46	50		56.5
RIPLEY	MAX	91	93	80	88	87	89	90	90	90	89	90	88	80	86	92	92	88	86	85	87	80	72	73	74	83	80	75	78	83	88		84.9
	MIN	74	75	63	60	62	55	60	67	66	66	67	66	67	73	72	68	63	63	56	55	51	47	48	49	58	60	50	50	56	58		60.8
SAMBURG W L REFUGE	MAX	90	91	80	78	84	86	87	85	86	84	85	82	81	87	90	90	79	83	72	75	76	65	71	77	78	62	69	74	80	82		80.3
	MIN	70	69	62	52	51	55	59	64	65	62	62	64	71	68	68	64	57	62	50	54	51	43	42	47	56	54	52	48	51	57		57.7
SELMER	MAX	89	92	86	83	81	87	87	87	87	87	87	83	81	88	91	91	83	87	78	78	78	67	70	74	79	70	70	78	81	84		82.1
	MIN	62	68	60	49	50	64	59	57	58	59	66	68	70	65	66	64	58	58	50	57	48	37	38	48	55	54	49	45	48	52		56.1
UNION CITY	MAX	84	91	79	77	79	83	88	86	84	85	85	78	81	87	91	89	80	85	75	74	76	64	68	74	79	70	65	72	79	84		79.7
	MIN	71	71	57	52	50	50	60	64	64	61	63	70	71	71	69	64	57	58	51	53	49	44	43	45	53	54	49	46	47	50		56.9

SEE REFERENCE NOTES FOLLOWING STATION INDEX

DAILY SOIL TEMPERATURES

TENNESSEE
SEPTEMBER 1982

STATION	DEPTH	TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVERAGE
TENNESSEE EASTERN 01																																		
GREENEVILLE EXP STN	(IN)																																	
	4	MAX	72	77	76	80	80	84	83	86	85	86	84	85	86	80	82	83	83	85	-	81	69	75	70	72	65	69	72	63	74	78		78.1
	4	MIN	70	72	73	68	65	65	67	71	70	72	71	70	74	69	73	72	71	70	-	-	50	65	59	57	60	63	60	63	58	45		65.8
KNOXVILLE EXP STATION BARE GROUND	(IN)																																	
	4	MAX	74	72	76	73	80	81	81	82	82	77	74	77	72	79	83	82	83	79	80	71	66	68	72	62	59	67	67	69	72	74		74.5
	4	MIN	68	68	62	60	60	64	63	64	66	67	67	68	68	67	68	66	66	68	66	61	57	56	55	55	57	58	56	55	54	58		62.3
	8	MAX	78	77	77	73	77	78	81	82	82	78	77	80	78	80	83	83	83	82	81	76	71	70	72	68	67	70	72	72	72	73		76.4
	8	MIN	77	77	73	71	71	74	74	75	76	75	75	77	77	76	78	78	77	76	77	71	70	68	68	67	66	67	67	67	67	68		72.7
	20	VAR	75	74	74	74	73	72	73	73	73	73	73	73	73	73	73	74	73	74	74	74	73	72	70	70	69	68	68	67	67	67		72.0
SOD	4	MAX	75	75	76	73	75	75	75	76	75	76	73	75	74	77	77	76	76	75	75	72	69	68	69	67	65	68	68	68	69	70		72.7
	4	MIN	73	73	71	69	68	69	69	68	70	69	69	70	72	72	72	71	71	70	70	68	65	65	63	64	64	64	64	64	63	64		68.1
	20	VAR	81	81	81	80	80	80	80	80	80	80	80	80	79	78	79	79	79	79	79	79	79	78	78	76	76	76	76	75	75	75		78.6
CUMBERLAND PLATEAU 02																																		
CROSSVILLE EXP STN	(IN)																																	
	4	MAX	80	81	76	82	79	79	79	80	81	81	80	74	77	75	83	82	81	82	78	80	75	70	70	73	66	67	72	72	73	75		76.8
	4	MIN	74	75	74	69	68	68	68	69	70	70	70	71	72	73	73	73	72	71	71	70	70	64	62	62	64	64	64	64	64	64		68.8
MIDDLE 03																																		
LEWISBURG EXP STN	(IN)																																	
	4	MAX	82	83	80	82	82	84	83	84	84	85	82	75	75	80	87	87	85	87	80	80	78	75	75	75	70	67	68	72	77	78		79.4
	4	MIN	72	72	70	63	62	62	66	67	67	67	70	70	70	70	71	71	70	69	65	65	65	57	56	55	60	60	59	56	56	58		64.7
SPRINGFIELD EXP STN	(IN)																																	
	4	MAX	72	72	72	75	76	78	79	79	78	76	77	76	73	74	79	78	74	77	68	72	72	66	65	68	64	65	64	67	71	72		72.6
	4	MIN	69	68	66	62	61	61	64	64	67	67	66	68	67	68	67	68	64	66	61	55	61	54	53	52	57	58	58	56	54	57		62.0
WESTERN 04																																		
AMES PLANTATION	(IN)																																	
	4	MAX	87	89	84	83	84	85	88	86	86	87	85	82	78	85	86	86	80	83	75	78	78	71	71	73	79	71	67	73	70	78		80.3
	4	MIN	77	79	75	70	68	61	72	73	74	72	73	78	76	76	76	76	73	73	67	66	66	59	59	59	65	66	61	60	61	64		69.2
JACKSON EXP STN BARE GROUND	(IN)																																	
	4	MAX	86	91	84	87	87	89	91	90	90	91	89	82	80	86	90	91	83	86	73	81	80	75	76	78	70	75	73	79	82	83		83.5
	4	MIN	75	75	72	68	67	66	73	74	72	74	73	75	74	74	75	75	70	69	64	63	63	58	57	64	63	65	62	61	60	62		68.1
SOD	4	MAX	79	79	78	78	75	75	77	77	77	77	76	76	75	77	78	79	77	77	75	75	75	72	70	71	70	69	70	71	72	71		74.9
	4	MIN	76	77	75	73	72	71	73	74	74	74	75	75	75	75	75	76	75	75	72	72	71	68	67	63	69	69	68	67	67	66		72.0
MILAN	(IN)																																	
	4	MAX	84	93	81	88	89	90	87	90	90	88	85	76	79	85	88	87	83	85	74	79	78	72	73	74	74	73	68	74	74	77		81.3
	4	MIN	77	76	71	69	68	68	71	74	74	72	72	74	74	74	75	74	71	71	65	64	64	59	58	58	64	65	61	60	60	59		68.1
PARIS 5 E	(IN)																																	
	4	MAX	80	85	80	79	78	79	82	82	82	80	82	77	78	85	85	83	79	80	76	73	76	68	67	71	72	69	66	69	69	70		76.7
	4	MIN	75	75	73	73	66	66	69	70	71	70	69	72	70	75	74	75	70	69	64	64	65	59	58	57	62	64	60	60	59	58		67.1
UNION CITY	(IN)																																	
	4	MAX	80	81	75	78	78	80	83	82	80	80	79	75	75	78	83	83	77	80	74	77	76	71	71	73	72	69	65	70	74	76		76.5
	4	MIN	72	73	67	64	65	65	67	71	71	70	69	71	71	70	71	70	61	65	62	61	63	59	59	58	62	61	60	59	60	60		65.2

STATION NAME	SOIL TYPE	SOIL COVER	SLOPE	UNITS
AMES PLANTATION	LEXINGTON SILTY LOAM	BARE	0%	F
CROSSVILLE EXP STA	HARTSELLS SANDY LOAM	BARE	5% TO E	F
GREENEVILLE EXP STA	DUNMORE GREENDALE	BARE	2% TO S	F
JACKSON EXP STA	LINTONIA	BARE AND BERMUDA GRASS	0%	F
KNOXVILLE EXP STA	CUMBERLAND SILTY CLAY LOAM	BARE AND BERMUDA GRASS	6% TO E	F
LEWISBURG EXP STA	TALBOTT LOAM	BARE	0%	F
MILAN	LOWERING-GRANADA SERIES	BARE	5% TO SW	F
PARIS 5 E	LEXINGTON SILTY LOAM	BARE	2% TO NE	F
SPRINGFIELD EXP STA	COOKEVILLE SILTY CLAY LOAM	BARE	5% TO N	F
UNION CITY	ADLER SILTY LOAM	BARE	0%	F

SEE REFERENCE NOTES FOLLOWING STATION INDEX

EVAPORATION AND WIND

TENNESSEE
SEPTEMBER 1982

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL OR AVG
TENNESSEE																																	
EASTERN 01																																	
KNOXVILLE EXP STATION	WIND	25	16	27	31	12	13	15	12	18	12	13	8	7	9	17	26	27	11	21	12	30	36	19	9	10	25	24	21	15	16		537
	EVAP	12	11	22	18	16	14	16	16	24	12	7	8	2	11	17	21	17	10	14	9	9	12	12	-	10	13	15	11	18	13		3.90B
	MAX	79	75	85	83	88	88	89	90	87	83	78	84	77	91	91	88	88	84	85	74	67	68	76	62	59	73	75	79	81	81		80.3
	MIN	69	68	60	61	60	62	62	63	65	64	66	68	70	70	65	63	64	67	62	57	50	50	50	52	55	57	56	55	55	59		60.8
CUMBERLAND PLATEAU 02																																	
CROSSVILLE EXP STN	WIND	33	31	20	34	36	17	13	13	10	22	31	40	53	42	13	18	31	15	27	14	12	12	30	26	15	42	26	24	12	18		730
	EVAP	8	39	-	24	19	13	13	-	16	15	15	4	7	1	14	15	17	16	10	14	7	7	9	12	14	-	11	8	13	11		3.90B
	MAX	77	81	72	82	79	80	80	82	84	82	80	69	76	80	86	86	83	84	78	79	72	60	61	70	59	60	71	71	76	78		75.9
	MIN	64	65	65	52	52	57	55	57	59	60	60	62	61	64	64	64	57	57	58	57	55	41	40	40	48	50	50	50	50	52		55.5
MIDDLE 03																																	
CARTHAGE	WIND	3	6	1	6	5	1	1	0	2	1	2	0	2	1	2	1	7	2	0	3	2	11	6	2	2	0	1	1	2	2		75
	EVAP	1	14	23	20	15	10	13	13	13	14	12	3	3	-	36	17	15	14	4	12	10	13	7	9	2	24	4	8	13	7		3.60B
	MAX	83	92	87	91	88	86	91	90	90	90	87	79	84	79	93	92	89	90	76	84	81	74	71	76	74	76	74	74	83	83		83.6
	MIN	73	74	72	63	62	60	60	70	70	70	70	69	69	72	72	74	67	67	64	63	63	52	51	52	57	59	60	60	60	62		64.8
CHEATHAM LOCK AND DAM	WIND	59	37	38	48	33	30	30	10	10	10	26	34	81	39	30	15	33	30	23	22	39	50	34	30	30	26	28	17	28	20		940
	EVAP	-	20	11	22	21	11	11	20	13	15	10	9	13	20	6	5	30	15	12	24	0	13	0	13	10	0	7	0	11	14		3.90B
	MAX	82	90	95	86	86	87	88	89	88	92	98	97	89	88	89	89	89	90	91	-	-	-	-	-	-	-	-	77	84	89		88.8
	MIN	61	60	62	59	56	57	59	59	56	63	63	66	64	62	63	74	76	79	65	-	-	-	-	-	-	-	-	58	63	57		62.8
NEAPOLIS EXP STATION	WIND	19	39	35	54	51	18	17	19	14	27	38	42	88	34	25	21	55	22	47	40	62	82	54	17	24	27	33	17	18	21		1060
	EVAP	12	27	28	22	24	16	18	18	14	19	14	5	14	12	15	13	19	19	4	28	20	20	15	12	3	12	8	11	15	15		4.72
	MAX	85	92	86	85	83	90	89	89	88	89	87	79	79	89	94	97	88	89	75	84	82	71	70	76	71	71	72	78	83	85		82.0
	MIN	72	71	68	58	58	58	64	64	61	65	67	68	68	71	70	69	63	63	61	61	56	54	46	44	55	58	55	54	54	56		61.1
WESTERN 04																																	
JACKSON EXP STN	WIND	54	73	44	46	42	32	29	22	41	51	67	65	125	62	32	49	42	19	32	28	56	53	32	38	56	49	29	23	34	30		1355
	EVAP	21	27	18	27	25	7	27	16	21	20	16	5	15	17	24	28	17	20	7	12	25	13	16	14	12	8	5	15	15	20		5.13
	MAX	88	90	82	80	80	86	89	87	85	84	83	76	75	87	90	90	85	90	70	78	78	67	71	74	75	70	68	78	80	84		80.7
	MIN	68	70	62	55	53	53	62	63	63	62	59	66	68	69	70	66	62	64	53	54	50	42	43	45	54	55	49	49	55	57		58.0

EVAPORATION: IS MEASURED IN HUNDRETHS OF INCHES
WIND: IS MEASURED IN MILES
MAX AND MIN: THE MAXIMUM AND MINIMUM TEMPERATURES (FAHRENHEIT) OF THE WATER IN THE EVAPORATION PAN
SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

TENNESSEE
SEPTEMBER 1982

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES LOCAL STD TIME TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	OBSERVER
TENNESSEE											
ALLARDT	0081	02	FENTRESS	36 23	84 53W	1672	18	18		H	OSCAR G GERNT
AMES PLANTATION	0137	04	FAYETTE	35 6	89 13W	460	7	7		G	MARSHALL C SMITH
ATHENS	0284	01	MC MINN	35 26	84 35W	940	8	8			ATHENS UTILITY BOARD
BETHPAGE	0669	03	SUMNER	36 29	86 19W	545		7			RAYMOND B HINION
BOLIVAR WTR WKS	0876	04	HARDEMAN	35 16	88 59W	455	7	7		C	CITY OF BOLIVAR WTR DEP
BOLTON	0884	04	SHELBY	35 19	89 45W	300		8			WILLIAM C STEWART
BRISTOL WSO AP H	1094	01	SULLIVAN	36 29	82 24W	1525	MID	MID		C HJ	NATL WEATHER SERVICE
BROWNSVILLE	1145	04	HAYWOOD	35 35	89 15W	330	8	8			BROWNSVILLE UTIL DEPT
CARTHAGE	1480	03	SMITH	36 16	85 58W	520	7	7	7	C	STEPHEN D PENLAND
CELINA	1561	03	CLAY	36 33	85 30W	550	8	8		C	KENNETH W OVERSTREET
CENTERVILLE WATER PL	1587	03	HICKMAN	35 45	87 27W	660	17	17			CENTERVILLE WATER PLANT
CHATTANOOGA WSO AP R	1656	01	HAMILTON	35 2	85 12W	676	MID	MID		C HJ	NATL WEATHER SERVICE
CHEATHAM LOCK AND DAM	1663	03	CHEATHAM	36 19	87 13W	392	6	6	6	C	U S CORPS OF ENGINEERS
CLARKSVILLE SEW PLT	1790	03	MONTGOMERY	36 33	87 22W	382	8	8		H	CITY OF CLARKSVILLE
CLEVELAND 6 NNE	1808	01	BRADLEY	35 14	84 50W	820	MID	MID			CLEVELAND SEWER SERVICE
COLUMBIA 3 WNW	1957	03	MAURY	35 38	87 5W	650	16	16			CITY OF COLUMBIA
CONASAUGA 2 N	1978	01	POLK	35 2	84 43W	845		7		C	PAUL J RUSH
COOKEVILLE	2009	02	PUTNAM	36 9	85 30W	1060	7	7			COOKEVILLE WATER DEPT
COPPERHILL	2024	01	POLK	35 0	84 23W	1535	8	8		H	CITIES SERVICE
COVINGTON 1 W	2108	04	TIPTON	35 34	89 40W	310	7	7		H	LARRY S FORTNER
CROSSVILLE FAA AP	2197	02	CUMBERLAND	35 57	85 5W	1881	MID	MID		H	FAA CROSSVILLE FLT SERV
CROSSVILLE EXP STN	2202	02	CUMBERLAND	36 1	85 8W	1810	7	7	7	G	U T PLATEAU EXP STATION
DAYTON	2360	01	RHEA	35 29	85 2W	830	18	18		H	BRYAN UNIVERSITY
DICKSON	2489	03	DICKSON	36 4	87 23W	780	23	23		C H	DICKSON WATER PLANT
DOVER 1 W	2589	03	STEWART	36 29	87 51W	475	8	8		H	NATIONAL MILITARY PARK
DRESDEN	2600	04	WEAKLEY	36 17	88 42W	450	8	8			LARRY MOODY
DYERSBURG FAA AP	2685	04	DYER	36 1	89 24W	337	18	18		H	FAA FSS
ERWIN 2 SW	2934	01	UNICOI	36 8	82 26W	1720	7	7			HOWARD W HUGHES SR
FAYETTEVILLE	3074	03	LINCOLN	35 10	86 33W	685	8	8			MRS ELIZABETH TERRY
FRANKLIN SEWAGE PLANT	3280	03	WILLIAMSON	35 56	86 52W	655	17	7			CITY OF FRANKLIN
GAINESBORO 4 NNW	3370	03	JACKSON	36 24	85 41W	450		7			MRS PAT MC COIN
GATLINBURG 2 SW	3420	01	SEVIER	35 41	83 32W	1454	8	8			NATIONAL PARK SERVICE
GREENEVILLE EXP STN	3679	01	GREENE	36 6	82 51W	1320	8	8		G	BUREAU OF PLANT IND
HUNTINGDON WATER PLANT	4417	04	CARROLL	36 0	88 25W	440	8	8			HUNTINGDON WATER PLANT
JACKSON FAA AP	4556	04	MADISON	35 36	88 55W	433	MID	MID		H	FAA
JACKSON EXP STN	4561	04	MADISON	35 37	88 50W	400	8	8	8	CG	WEST TENN EXP STATION
JAMESTOWN	4590	02	FENTRESS	36 26	84 56W	1750		7			FRANK A BAESE
JEFFERSON CITY 3 ENE	4613	01	JEFFERSON	36 9	83 27W	1170	18	18		C	HUGH J MOSER JR
KINGSPORT	4858	01	SULLIVAN	36 31	82 32W	1284	18	7		H	GEORGE F ISAACS
KINGSTON	4871	01	ROANE	35 52	84 32W	755		7			MISS M ELIZ LITTLETON
KINGSTON SPRINGS 2 NNE	4876	03	CHEATHAM	36 7	87 6W	448	7	7			MS MARGARET D ASKEW
KNOXVILLE EXP STATION	4946	01	KNOX	35 53	83 57W	830	8	8	8	G	AGRI EXP STATION
KNOXVILLE WSO AP // R	4950	01	BLOUNT	35 48	84 0W	949	MID	MID		C HJ	NATL WEATHER SERVICE
KNOXVILLE U OF TENN	4955	01	KNOX	35 57	83 55W	895	10	10			UNIVERSITY OF TENNESSEE
LAFAYETTE	4987	03	MACON	36 31	86 2W	975	17	7			MARION D DEERING
LAWRENCEBURG FILT PL	5089	03	LAWRENCE	35 15	87 21W	870	16	16			CITY OF LAWRENCEBURG
LEBANON 3 W	5108	03	WILSON	36 13	86 20W	535	7	7		C	KELLY G GREGORY
LEBANON 7 N-HUNTERS PT	5118	03	WILSON	36 18	86 16W	510		7			TRUMAN L GARRETT
LENOIR CITY	5158	01	LOUDON	35 48	84 15W	785	7	7		H	LENOIR CITY UTILITIES
LEWISBURG EXP STN	5187	03	MARSHALL	35 27	86 48W	787	8	8		CGH	U S DAIRY EXP STN
LEXINGTON	5210	04	HENDERSON	35 40	88 25W	540	7	7		C	WILLIAM P VETETO
LINDEN 2	5278	03	PERRY	35 37	87 50W	498	8	8			CITY OF LINDEN
LIVINGSTON	5327	02	OVERTON	36 23	85 19W	1040		7		C	MRS DELIA E PHILLIPS

SEE REFERENCE NOTES FOLLOWING STATION INDEX

STATION INDEX

TENNESSEE
SEPTEMBER 1982

STATION	INDEX NO.	DIVISION	COUNTY	LATITUDE	LONGITUDE	ELEVATION (IN FEET)	OBSERVATION TIME AND TABLES (LOCAL STD TIME) TEMP	PRECIP	EVAP	SPECIAL (SEE NOTES)	OBSERVER
LIVINGSTON RADIO WLIV	5332	02	OVERTON	36 23	85 20W	975	16	16			RADIO STATION WLIV
MARTIN U OF T BRANCH	5681	04	WEAKLEY	36 20	88 52W	340	7	7			MARTIN U T BRANCH
MC MINNVILLE	5882	02	WARREN	35 41	85 48W	940	18	18		H	MC MINNVILLE FILTER PL
MEMPHIS WSFO R	5954	04	SHELBY	35 3	90 0W	258	MID	MID		C HJ	NATL WEATHER SERVICE
MILAN	6012	04	GIBSON	35 56	88 46W	430	7	7		GH	RAYMOND H FUCHS
MONTEAGLE	6162	02	GRUNDY	35 15	85 50W	1930	7	7		H	WILLIAM D SMITH
MONTEREY	6170	02	PUTNAM	36 8	85 15W	1950		7		C	JESSE E DUNCAN
MORRISTOWN RADIO WCRK	6271	01	HAMBLEN	36 12	83 17W	1360	17	17			RADIO STATION WORK
MOSCOW	6274	04	FAYETTE	35 4	89 24W	340	18	18		H	LLOYD A RAGON III
MOUNT PLEASANT 2 SW	6340	03	MAURY	35 31	87 14W	720	8	8		H	STAUFFER CHEMICAL CO
MURFREESBORO 5 N	6371	03	RUTHERFORD	35 55	86 22W	550	7	7		C	WILLIAM VANWINKLE
NASHVILLE WSO AP // R	6402	03	DAVIDSON	36 7	86 41W	580	MID	MID		C HJ	NATL WEATHER SERVICE
NEAPOLIS EXP STATION	6435	03	MAURY	35 43	86 58W	700	7	7	7		MIDDLE TENN EXP STN
NEWBERN	6471	04	DYER	36 7	89 16W	370	8	8			CITY OF NEWBERN
NEWCOMB	6493	01	CAMPBELL	36 33	84 11W	980		7			DR CHARLES E ARTIS
NEWPORT 1 NW	6534	01	COCKE	35 59	83 12W	1036	9	9		H	NEWPORT UTILITIES BOARD
NORRIS 4 NE	6619	01	ANDERSON	36 14	84 3W	1005	17	17			WALTER F BAILEY
NORTH SPRINGS	6666	03	JACKSON	36 28	85 46W	595		7			MRS DIXIE CASSETTY
OAK RIDGE ATDL	6750	01	ANDERSON	36 1	84 14W	905	MID	MID		C HJ	ATMOS TURB-DIFFUS LAB
OLD HICKORY DAM	6803	03	DAVIDSON	36 18	86 39W	460		6			U S CORPS OF ENGINEERS
ONEIDA	6829	02	SCOTT	36 30	84 32W	1440	7	7			ONEIDA WATER & SEW WKS
ORLINDA	6861	03	ROBERTSON	36 36	86 43W	720		6			CHARLES D CLAYTON
PARIS 5 E	6977	04	HENRY	36 19	88 14W	450	7	7		G	MRS LORA C ROBBINS
PIKEVILLE	7184	02	BLEDSOE	35 36	85 12W	870	17	17			RADIO STATION WUAT
PORTLAND SEWAGE PLANT	7359	03	SUMNER	36 35	86 32W	794	7	7		C	CITY OF PORTLAND
PULASKI WATER PLANT	7459	03	GILES	35 12	87 2W	654	16	16			CITY OF PULASKI
RIPLEY	7710	04	LAUDERDALE	35 45	89 32W	335	7	7			C OF RIPLEY GAS & WTR D
ROCKWOOD 2	7834	01	ROANE	35 51	84 42W	860	9	9			ROCKWOOD WATER DEPT
ROGERSVILLE 1 NE	7884	01	HAWKINS	36 25	82 59W	1355	17	17		H	RADIO STATION WRGS
SAMBURG W L REFUGE	8065	04	OBION	36 27	89 19W	310	8	8		C	U S FISH AND WILDLIFE
SAVANNAH 6 SW	8108	03	HARDIN	35 9	88 19W	420	17	17		H	SHILOH NAT MIL PARK
SELMER	8160	04	MC NAIRY	35 10	88 37W	470	9	9			RALPH D KING
SEVIERVILLE 1 SE	8179	01	SEVIER	35 52	83 33W	930	16	16			RADIO STATION WSEV
SHELBYVILLE 3	8246	03	BEDFORD	35 29	86 27W	785	18	18			WILLIAM F YATES
SMITHVILLE 2 SE	8405	03	DE KALB	35 57	85 47W	890	7	7			CITY OF SMITHVILLE
SPARTA	0522	02	WHITE	35 56	85 20W	910	17	17			SPARTA WATER DEPT
SPRINGFIELD EXP STN	8562	03	ROBERTSON	36 28	86 50W	745	6	6		CGH	LAWSON M SAFLEY
STATESVILLE	8609	03	WILSON	36 1	86 8W	723		8			ELMER E SMITH
TAZEWELL	8868	01	CLAIBORNE	36 28	83 33W	1360	9	9			ROY D LOVE SUPT
TULLAHOMA	9155	02	COFFEE	35 21	86 12W	1048	18	18			TULLAHOMA PUB UTIL BD
UNION CITY	9219	04	OBION	36 25	89 4W	335	7	7		CGH	BILLY S COLLINS
WAVERLY 4 W	9492	03	HUMPHREYS	36 5	87 52W	442	8	8			CITY OF WAVERLY
WAYNESBORO	9502	03	WAYNE	35 18	87 46W	750	7	7		H	TOWN OF WAYNESBORO
WOODBURY 1 WNW	9866	03	CANNON	35 50	86 5W	750	10	7			MISS GERALDINE MOORE

SEE REFERENCE NOTES FOLLOWING STATION INDEX

REFERENCE NOTES

DEFINITIONS

MONTHLY DEGREE DAY TOTALS: One heating (cooling) degree day is accumulated for each degree that the daily mean temperature is below (above) 65 deg. F

WIND: (As shown in "Evaporation and Wind" table) The total wind movement in miles over the evaporation pan as determined by an anemometer recorder located 6-8 inches above the pan.

NORMALS: The average value of the meteorological element over the time period - 1941-1970. The normals for National Weather Service localities have been adjusted so as to be representative for the current observation site.

DIVISIONS: Areas within a state of similar climatological characteristics.

STATION NAMES: Name of the city, town or locality. Figures and letters following the station names indicate the distance in miles and direction from the post office or town community center.

LETTERS AND SYMBOLS USED IN THE DATA TABLES

- No record. Data not recorded, determined unreliable by quality control checks, or not received in time for publication. No record in the "Monthly Summarized Data" table and the "Daily Temperature" table is indicated by no entry.
  Blank entries in the "Daily Precipitation" and "Snowfall and Snow on Ground" tables indicate zero precipitation.
+ Precipitation or temperature extremes occurred on one or more previous dates during the month.
* Gage not read. Precipitation is included in the amount following the asterisks. Time distribution not known. An * preceding the monthly total indicates precipitation amount is being carried forward to next months total, and may include amounts from the previous month(s).
V Includes total for previous month(s). (See * above)
// Gage equipped with a windshield.
A Amount of precipitation is the total of observer's entries for the current month. It may include precipitation that occurred during the previous month. Refer to earlier bulletin to determine date of last reading. (HAWAII stations)
B Adjusted monthly value. (estimated)
M Insufficient or partial data. M is appended to average and/or total values computed with 1-9 daily values missing. (1-7 missing values for Wind and Evaporation). M appears alone if 10 or more daily values are missing, (8 or more for Wind and Evaporation).
R Amounts from recording gage.
T Trace. An amount too small to measure.

LETTERS AND SYMBOLS USED IN THE STATION INDEX TABLE

AR Observation made "after rain" has occurred.
C Station is equipped with recording rain gage (R) but values in this bulletin are from a non-recording gage unless indicated by an R.
G Observations appear in "Soil Temperatures" table.
J Station also published as a Local Climatological Data publication.
H Observations appear in "Snowfall and Snow on Ground" table.
MID Observation time is midnight.
S Station equipped with storage gage. Precipitation measurements made at irregular intervals are published in the annual issue of this bulletin. Data prior to 1977 are published in the "Storage Gage Precipitation" which was discontinued with the 1976 issue.
SR Observation time near sunrise.
SS Observation time near sunset.
VAR Observation time varies.
MO Gage read once monthly, usually the last day.
OC Gage readings vary from a few weeks to several months.
WI Gage read weekly or irregularly.
WM Gage read weekly and last day of month.
\# Thermometers located in a rooftop shelter.
$3 Maximum and minimum temperatures are the highest and lowest readings for the calendar day taken from hourly observations.

Additional information regarding the climate of this state may be obtained by writing to the National Climatic Center, Federal Building, Asheville, N. C. 28801, or to any Weather Service Office near you. Additional precipitation data are contained in the "Hourly Precipitation Data" bulletin for each state, except Alaska.

Seasonal Tables: Monthly and seasonal snowfall and heating degree days for the 12 months ending with the June data will be carried in the July issue of this bulletin. Cooling degree days for the calendar year will be published in the "Climatological Data Annual Summary".

Information concerning the history of changes in locations, exposure, etc. of substations through 1955 is available in the "Substation History" publication. Subsequent historical information is kept on file at the National Climatic Center. Similiar information for regular National Weather Service Offices may be obtained from the "Local Climatological Data" annual publication.

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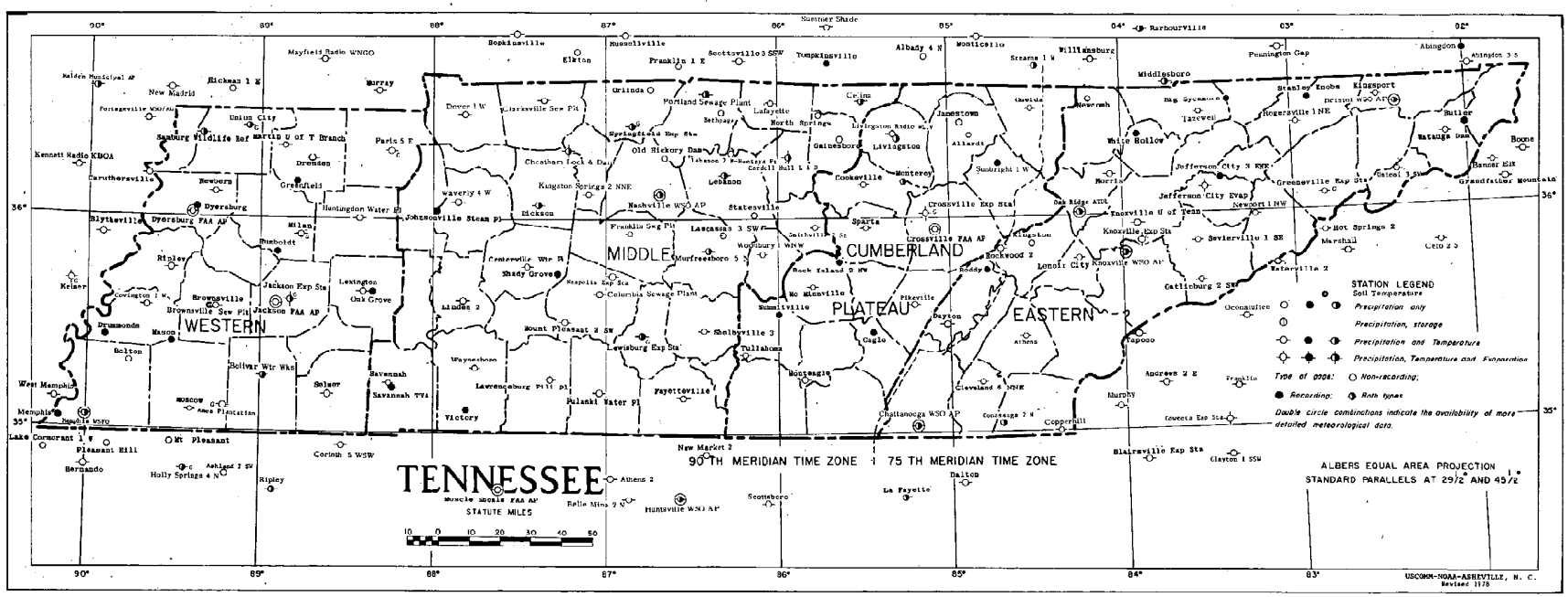
TENNESSEE
WESTERN
MIDDLE
CUMBERLAND
PLATEAU
EASTERN
90TH MERIDIAN TIME ZONE
75 TH MERIDIAN TIME ZONE
STATUTE MILES
STATION LEGEND
Soil Temperature
Precipitation only
Precipitation, storage
Precipitation and Temperature
Precipitation, Temperature and Evaporation
Type of gage:
Non-recording;
Recording;
Both types
Double circle combinations indicate the availability of more detailed meteorological data.
ALBERS EQUAL AREA PROJECTION
STANDARD PARALLELS AT 29½ AND 45½
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Revised 1978

CLIMATE PUBLICATIONS AVAILABLE FROM THE NATIONAL CLIMATIC CENTER, ASHEVILLE, N.C.

COMPARATIVE CLIMATIC DATA

Presents tables of monthly and annual averages, totals or extreme climate conditions for approximately 300 major population centers. This publication is particularly helpful for comparing temperature, rainfall, snowfall, wind velocities, sunshine, cloudiness and relative humidities for the principal cities. The cities are listed alphabetically by state in two sections: observed data and climatological normals. This is an annual publication.

STORM DATA

Monthly issue presents a chronological listing, by states, of occurrences of storms and unusual weather phenomena, together with data on the paths of individual storms, deaths, injuries, and estimated property damage, and a brief narrative description of each event. A new section in the bulletin entitled "OUTSTANDING STORMS OF THE MONTH" highlights severe weather and includes descriptive photographs of storms, their tracks, and analyzed maps. The December issue includes annual summaries of tornadoes and lightning and North Atlantic tropical cyclones.

MONTHLY CLIMATIC DATA FOR THE WORLD

Contains monthly means of temperature, pressure, precipitation, vapor pressure and sunshine for about 2,500 surface data stations worldwide. Also contains monthly mean upper air temperatures, dew point depressions and wind velocities for ten standard levels.

LOCAL CLIMATOLOGICAL DATA

Published monthly for each first-order station. Presents daily maximum and minimum temperatures, degree day data, precipitation, station pressures, wind statistics, sunshine and sky cover data, as well as 3-hourly data for certain parameters. An annual issue is available summarizing monthly data and including up to 40 years record, and featuring a narrative climatological summary and history of the station.

CLIMATOLOGICAL DATA

Published monthly for each state. Gives daily temperature and precipitation records, and monthly averages and totals, with departures from normal when available. Also derived statistics such as heating and cooling degree days, counts of days equaling or exceeding given temperature and precipitation thresholds, extremes, etc., are published for cooperative and first-order stations. Evaporation and soil temperature data are given for reporting stations. Seasonal snowfall, heating and cooling degree day tables included in selected tables. Annual summary also available.

HOURLY PRECIPITATION DATA

Monthly issue presents daily, hourly and maximum short duration data for the recording gage stations for each state except Alaska. The annual issue tabulates monthly and annual totals, and annual maximum precipitation data by selected time categories.

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