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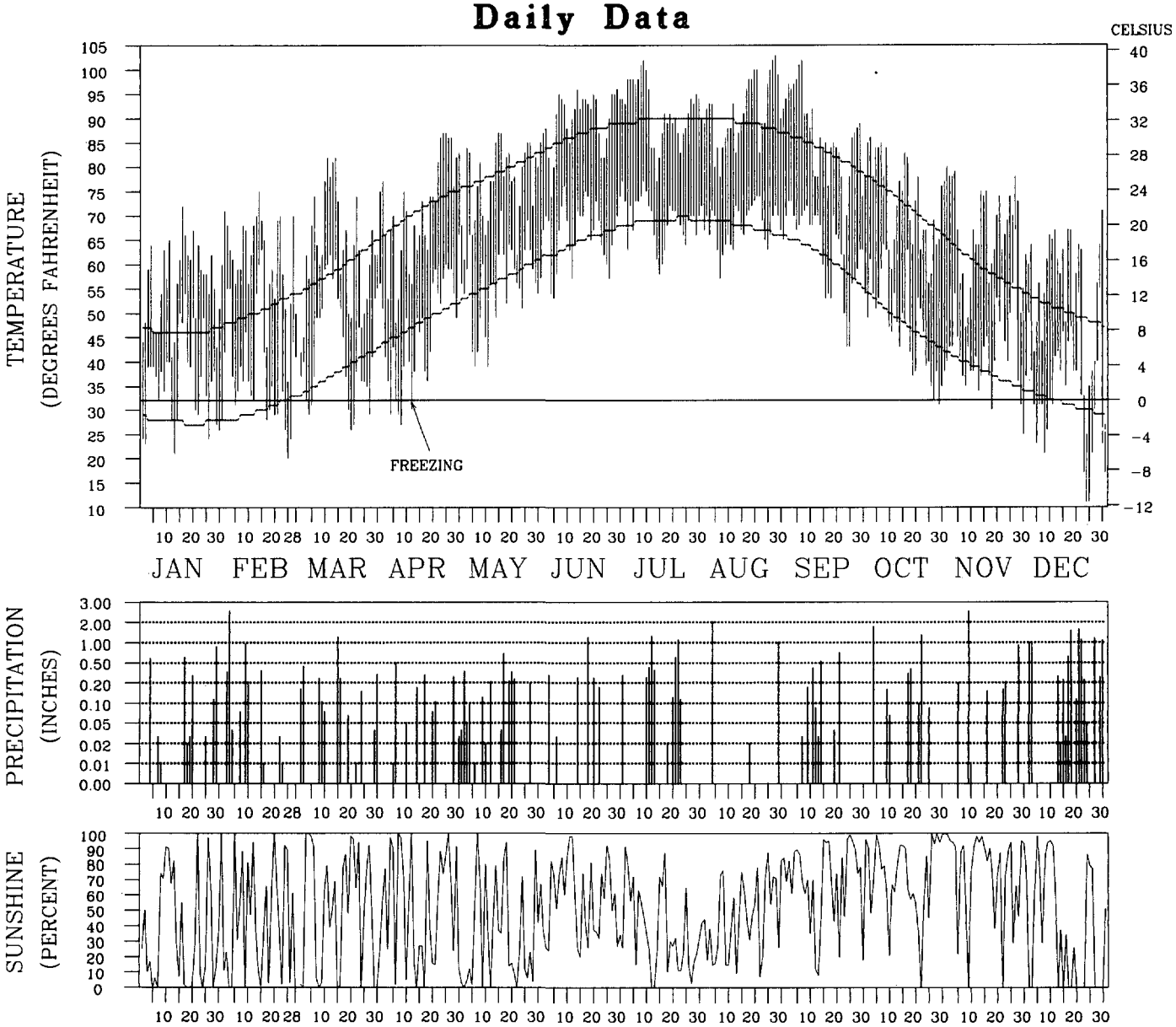
1990 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

NASHVILLE,
TENNESSEE

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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noaa
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

METEOROLOGICAL DATA FOR 1990

NASHVILLE, TENNESSEE

LATITUDE: 36°07' N LONGITUDE: 86°41' W ELEVATION: FT. GRND 590 BARO 630 TIME ZONE: CENTRAL WBAN: 13897

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	56.0	60.9	63.6	71.0	77.1	89.9	91.6	91.4	86.1	73.0	66.2	54.1	73.4
-Daily Minimum	35.5	38.9	43.5	45.7	55.7	66.4	69.1	67.7	63.2	47.2	42.4	33.3	50.7
-Monthly	45.8	49.9	53.6	58.4	66.4	78.2	80.4	79.6	74.7	60.1	54.3	43.7	62.1
-Monthly Dewpt.	33.7	37.1	40.3	43.0	55.3	63.2	65.7	65.1	60.9	47.4	41.5	36.3	49.1
Extremes													
-Highest	72	75	82	87	87	96	102	103	102	86	80	71	103
-Date	16	14	14	25	16	29	9	28	7	3	1	30	AUG 28
-Lowest	21	20	26	27	39	53	58	57	43	31	25	11	11
-Date	13	25	20	8	11	5	15	7	25	29	30	25	DEC 25
DEGREE DAYS BASE 65 °F:													
Heating	590	422	373	245	65	1	0	0	21	195	323	654	2889
Cooling	0	4	26	51	115	401	485	458	315	52	10	0	1917
% OF POSSIBLE SUNSHINE	37	43	50	54	36	57	37	47	67	73	74	37	51
AVG. SKY COVER (tenths)													
Sunrise - Sunset	7.0	7.3	6.9	5.8	7.6	5.6	5.7	5.6	5.1	4.4	5.4	7.2	6.1
Midnight - Midnight	6.4	6.9	6.8	5.7	7.1	5.4	5.2	5.1	4.5	4.2	4.7	6.7	5.7
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	6	4	6	9	4	6	7	6	12	15	10	6	91
-Partly Cloudy	7	8	8	8	8	18	17	15	7	7	11	6	120
-Cloudy	18	16	17	13	19	6	7	10	11	9	9	19	154
Precipitation .01 inches or more	10	10	12	9	14	6	10	3	8	8	7	16	113
Snow, Ice pellets 1.0 inches or more	0	0	0	0	0	0	0	0	0	0	0	0	0
Thunderstorms	0	2	0	0	9	7	9	4	6	3	0	2	42
Heavy Fog, visibility 1/4 mile or less	0	0	0	2	2	1	1	1	1	1	0	2	11
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	19	20	17	10	0	0	0	66
32° and below	0	0	0	0	0	0	0	0	0	0	0	2	2
-Minimum													
32° and below	12	9	7	5	0	0	0	0	0	2	3	15	53
0° and below	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG. STATION PRESS. (mb)	998.0	999.3	1000.3	997.0	993.9	995.3	996.3	995.6	995.9	997.3	999.0	999.3	997.3
RELATIVE HUMIDITY (%)													
Hour 00	71	69	70	70	80	75	79	79	80	83	74	82	76
Hour 06 (Local Time)	78	76	80	78	83	79	83	85	87	87	83	86	82
Hour 12	57	57	57	48	57	46	48	47	50	47	51	69	53
Hour 18	58	55	57	48	63	51	53	51	54	54	57	72	56
PRECIPITATION (inches):													
Water Equivalent													
-Total	2.76	4.73	3.26	1.60	2.80	2.37	4.86	3.12	2.13	4.41	4.29	10.76	47.09
-Greatest (24 hrs)	1.03	2.60	1.48	0.53	0.79	1.28	1.78	2.06	0.77	1.82	2.59	2.48	2.60
-Date	28-29	3	15-16	5- 6	16-17	18	11-12	4	21	4	9-10	21-22	FEB 3
Snow, Ice pellets													
-Total	T	T	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
-Greatest (24 hrs)	T	T	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
-Date	1	26	19									23	MAR 19
WIND:													
Resultant													
-Direction (!!)	219	207	152	228	221	227	229	353	302	263	199	206	225
-Speed (mph)	3.9	2.2	0.5	1.0	3.7	3.1	1.5	2.2	1.0	1.2	2.3	2.5	1.6
Average Speed (mph)	9.3	9.1	7.8	7.0	9.1	8.6	6.8	6.7	6.7	7.6	8.4	9.0	8.0
Fastest Obs. 1 Min.													
-Direction (!!)	32	27	20	36	17	36	18	33	33	19	31	31	36
-Speed (mph)	29	31	25	24	30	35	25	23	26	23	23	23	35
-Date	11	4	22	17	12	6	10	29	14	4	28	30	JUN 6
Peak Gust													
-Direction (!!)	SW	NW	S	S	NE	N	S	NW	NW	S	S	S	NW
-Speed (mph)	37	45	46	44	46	44	39	70	39	39	48	39	70
-Date	27	24	8	28	27	6	10	29	14	3	27	18	AUG 29

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

NASHVILLE, TENNESSEE

LATITUDE: 36°07'N LONGITUDE: 86°41' W ELEVATION: FT. GRND 590 BARO 630 TIME ZONE: CENTRAL WBAN: 13897

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		46.3	50.7	59.6	71.2	79.2	86.7	89.8	89.0	83.2	72.3	59.2	50.4	69.8
-Daily Minimum		27.8	30.1	38.3	48.1	56.9	64.8	69.0	67.8	61.3	48.0	38.0	31.3	48.5
-Monthly		37.1	40.4	49.0	59.6	68.1	75.8	79.4	78.4	72.3	60.2	48.6	40.9	59.2
Extremes														
-Record Highest	51	78	84	86	91	97	106	107	104	105	94	84	79	107
-Year		1972	1962	1982	1989	1941	1952	1952	1954	1954	1953	1971	1982	JUL 1952
-Record Lowest	51	-17	-13	2	23	34	42	51	47	36	26	-1	-10	-17
-Year		1985	1951	1980	1982	1976	1966	1947	1946	1983	1987	1950	1989	JAN 1985
NORMAL DEGREE DAYS:														
Heating (base 65°F)		865	689	510	186	55	0	0	0	19	193	492	747	3756
Cooling (base 65°F)		0	0	14	24	151	328	446	415	238	45	0	0	1661
% OF POSSIBLE SUNSHINE	48	41	47	52	59	60	65	63	64	63	62	50	42	56
MEAN SKY COVER (tenths)														
Sunrise - Sunset	50	7.0	6.7	6.6	6.0	6.0	5.6	5.6	5.2	5.2	4.9	6.1	6.7	6.0
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	49	6.4	7.0	7.5	8.3	8.3	8.4	8.2	10.3	10.8	12.8	8.9	7.2	104.2
-Partly Cloudy	49	6.2	5.8	7.0	8.4	9.9	12.3	13.0	11.8	8.8	8.1	6.7	7.0	105.0
-Cloudy	49	18.4	15.5	16.5	13.2	12.9	9.3	9.8	8.9	10.4	10.0	14.4	16.8	156.0
Precipitation .01 inches or more	49	11.0	10.7	11.9	10.7	10.8	9.3	10.2	8.7	7.9	7.0	9.5	11.0	118.6
Snow, Ice pellets 1.0 inches or more	49	1.2	1.2	0.5	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	3.6
Thunderstorms	49	1.3	1.7	4.1	5.2	7.4	8.2	9.6	7.8	3.7	1.5	1.7	1.1	53.3
Heavy Fog Visibility 1/4 mile or less	49	2.4	1.3	1.0	0.5	1.0	0.9	1.1	1.6	1.8	2.0	1.8	1.8	17.3
Temperature °F														
-Maximum														
90° and above	25	0.0	0.0	0.0	0.2	0.9	9.8	16.9	12.4	5.4	0.1	0.0	0.0	45.6
32° and below	25	5.2	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.0	9.9
-Minimum														
32° and below	25	22.0	17.1	9.3	1.8	0.0	0.0	0.0	0.0	0.0	1.2	7.7	17.3	76.4
0° and below	25	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2
AVG. STATION PRESS. (mb)	18	999.1	998.0	995.4	994.6	993.8	994.6	995.5	995.9	996.5	998.1	998.0	999.1	996.5
RELATIVE HUMIDITY (%)														
Hour 00	25	74	73	71	72	82	83	85	85	85	81	77	76	79
Hour 06 (Local Time)	25	79	79	78	80	86	87	89	90	90	86	82	80	84
Hour 12	25	63	59	53	50	55	54	57	58	58	54	59	63	57
Hour 18	25	64	60	54	52	58	59	62	63	65	60	64	66	61
PRECIPITATION (inches):														
Water Equivalent														
-Normal		4.49	4.03	5.58	4.47	4.56	3.70	3.82	3.40	3.71	2.58	3.52	4.63	48.49
-Maximum Monthly	51	13.92	10.31	12.35	8.41	11.04	9.37	7.75	8.31	11.44	6.13	9.04	13.63	13.92
-Year		1950	1956	1975	1984	1983	1960	1950	1942	1979	1959	1945	1978	JAN 1950
-Minimum Monthly	51	0.19	0.64	1.18	0.52	0.69	0.45	0.71	0.69	0.28	T	0.54	0.98	T
-Year		1986	1968	1987	1986	1941	1988	1954	1968	1956	1963	1949	1985	OCT 1963
-Maximum in 24 hrs	51	4.40	4.73	4.66	3.29	4.27	4.91	3.56	5.34	6.68	3.75	3.74	5.12	6.68
-Year		1946	1989	1975	1979	1984	1960	1950	1963	1979	1975	1973	1978	SEP 1979
Snow, Ice pellets														
-Maximum Monthly	51	18.8	18.9	16.1	1.1	0.0	0.0	0.0	T	0.0	T	9.2	13.2	18.9
-Year		1948	1979	1960	1971				1989		1989	1950	1963	FEB 1979
-Maximum in 24 hrs	51	8.1	8.3	8.8	1.1	0.0	0.0	0.0	T	0.0	T	9.2	10.2	10.2
-Year		1988	1979	1951	1971				1989		1989	1950	1963	DEC 1963
WIND:														
Mean Speed (mph)	49	9.2	9.4	10.0	9.3	7.7	7.1	6.5	6.2	6.4	6.8	8.4	9.0	8.0
Prevailing Direction through 1963		S	S	S	S	S	S	S	S	S	S	S	S	S
Fastest Obs. 1 Min.														
-Direction (!!!)	15	34	32	13	31	36	36	34	02	34	36	15	23	13
-Speed (MPH)	15	32	35	41	35	41	35	33	40	33	32	39	41	41
-Year		1985	1980	1987	1982	1984	1990	1978	1983	1977	1986	1984	1987	MAR 1987
Peak Gust														
-Direction (!!!)	7	W	SW	SE	W	NW	SW	N	NW	N	N	W	SW	NW
-Speed (mph)	7	46	47	56	47	55	49	51	70	47	48	60	54	70
-Date		1984	1988	1987	1989	1984	1988	1988	1990	1989	1986	1985	1987	AUG 1990

(!!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

NASHVILLE, TENNESSEE

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	1.44	5.33	6.52	4.50	4.36	2.96	5.34	2.62	0.35	1.12	3.87	6.44	44.85
1962	6.51	9.07	5.89	6.91	1.87	7.29	1.97	2.45	8.03	2.29	3.37	1.92	57.57
1963	1.60	2.83	10.03	3.37	2.47	3.09	5.33	7.63	3.43	T	2.43	2.15	44.36
1964	3.70	3.26	5.92	5.86	5.04	1.21	2.16	4.56	2.65	1.83	3.67	5.15	45.01
1965	2.98	4.71	6.13	5.72	3.12	2.74	3.32	2.53	5.02	0.57	1.82	1.01	39.67
1966	3.93	3.63	1.39	5.08	3.99	1.09	2.70	5.29	3.87	2.50	2.76	5.69	41.92
1967	1.62	1.78	4.44	3.40	6.98	4.23	7.46	2.06	1.93	1.57	3.87	5.88	45.22
1968	3.50	0.64	4.47	3.57	6.28	2.26	6.87	0.69	2.76	3.92	5.39	3.58	43.93
1969	4.96	4.48	2.12	6.03	4.81	3.34	5.33	2.27	2.06	2.01	1.83	8.03	47.27
1970	1.16	4.36	3.87	6.81	5.90	6.73	3.61	2.99	2.76	2.94	2.20	3.60	46.93
1971	2.66	4.70	2.95	3.34	2.93	3.47	5.00	5.87	2.11	1.27	1.18	5.17	40.65
1972	5.15	3.45	4.34	3.58	3.52	2.54	6.40	4.30	3.71	4.06	5.22	8.14	54.41
1973	3.40	3.63	9.88	7.00	5.72	4.80	7.67	1.79	1.56	3.32	7.78	3.23	59.78
1974	9.45	3.01	5.25	3.97	5.04	6.80	2.10	4.13	10.44	1.47	6.23	2.81	60.70
1975	4.67	5.22	12.35	3.55	6.52	2.22	2.96	4.69	5.42	5.86	3.00	4.12	60.58
1976	4.11	2.28	5.32	1.53	6.19	4.72	4.01	8.05	5.08	5.17	1.30	1.81	49.57
1977	2.53	3.27	5.83	7.87	1.65	4.29	1.15	4.65	5.04	4.22	5.96	4.25	50.71
1978	5.95	1.57	4.88	2.42	8.03	1.46	4.03	3.81	1.37	2.28	4.01	13.63	53.44
1979	7.13	4.01	4.92	7.80	8.18	2.79	4.27	4.59	11.44	3.97	5.98	5.04	70.12
1980	2.59	1.38	7.27	3.67	6.14	2.89	3.53	1.24	1.09	1.17	2.55	1.40	34.92
1981	1.60	3.83	3.38	4.78	3.05	8.05	3.49	3.10	1.37	2.82	3.83	2.38	41.68
1982	6.50	4.80	3.00	4.36	4.19	2.28	5.47	3.46	3.23	1.91	3.87	6.36	49.43
1983	2.56	2.93	3.44	6.80	11.04	3.93	1.71	1.36	0.45	2.77	6.98	7.75	51.72
1984	1.79	2.38	5.14	8.41	9.68	4.49	6.63	2.42	0.97	6.00	6.20	2.38	56.49
1985	3.02	3.30	2.70	2.91	2.65	1.53	2.00	3.91	2.52	1.59	3.81	0.98	30.92
1986	0.19	3.59	2.29	0.52	3.36	2.38	0.77	3.38	2.19	2.19	7.43	3.31	31.60
1987	1.61	4.87	1.18	1.03	4.41	2.82	2.56	0.73	1.95	0.21	3.40	5.46	30.23
1988	3.73	2.02	2.18	2.09	1.86	0.45	3.26	2.39	2.45	1.54	5.49	3.95	31.41
1989	4.52	9.36	5.31	2.68	4.61	7.87	3.18	3.67	6.30	3.62	3.94	1.97	57.03
1990	2.76	4.73	3.26	1.60	2.80	2.37	4.86	3.12	2.13	4.41	4.29	10.76	47.09
Record Mean	4.59	4.13	5.06	4.17	4.07	3.78	3.92	3.38	3.26	2.50	3.61	4.02	46.51

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

NASHVILLE, TENNESSEE

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1961	33.2	46.9	52.2	54.5	63.6	72.4	77.4	76.4	73.5	59.8	49.6	41.1	58.4
1962	35.3	46.2	45.3	56.0	75.2	75.0	79.1	79.7	69.3	62.9	47.9	35.0	58.9
1963	30.9	34.2	53.8	61.6	67.3	75.9	77.6	76.8	70.0	65.5	49.3	30.5	57.8
1964	38.9	37.2	49.0	62.6	69.7	77.7	78.7	77.2	71.3	56.7	51.7	42.7	59.4
#1965	40.0	39.8	41.9	60.9	71.7	75.1	78.6	79.0	74.1	59.3	51.9	44.8	59.7
1966	32.3	41.3	50.5	58.8	65.3	75.1	82.3	76.5	69.5	57.0	50.7	40.2	58.3
1967	42.3	37.5	57.0	63.9	66.3	76.3	75.7	72.6	66.8	59.3	44.3	42.6	58.7
1968	34.0	32.4	47.8	58.7	66.3	74.9	77.8	79.5	69.9	59.5	48.7	38.1	57.3
1969	37.2	39.8	42.6	60.9	68.9	77.2	82.7	78.1	70.8	60.6	46.5	37.3	58.6
1970	32.4	38.4	46.8	61.3	68.4	73.6	77.2	79.2	76.9	61.0	47.5	43.2	58.8
1971	35.6	38.7	44.6	57.9	63.3	77.5	76.8	76.4	74.4	66.7	49.9	49.2	59.3
1972	41.8	41.8	50.2	60.5	67.4	73.0	77.3	77.2	75.7	60.2	47.3	42.8	59.6
1973	38.0	39.7	56.8	56.4	64.2	76.1	78.7	78.1	76.2	66.2	54.7	40.5	60.5
1974	45.4	41.8	54.9	58.6	70.0	71.4	78.0	77.6	67.5	59.4	50.0	42.6	59.8
1975	43.4	44.6	47.3	58.5	70.4	76.0	78.5	79.1	67.9	62.4	52.1	42.8	60.2
1976	36.7	50.5	55.9	59.9	64.0	73.3	76.4	74.4	66.8	53.9	40.9	36.6	57.5
1977	24.5	40.6	53.9	63.0	71.9	77.2	82.2	79.5	74.0	57.0	50.8	38.6	59.4
1978	27.6	29.2	46.9	61.0	66.7	76.2	80.5	78.7	75.5	57.4	53.6	42.4	58.0
1979	29.7	33.4	50.7	57.8	66.3	73.7	77.6	77.0	70.5	60.3	48.6	41.5	57.3
1980	39.7	35.7	46.3	57.3	67.8	75.5	82.8	81.7	76.0	57.8	48.5	41.0	59.2
1981	35.5	42.6	47.5	64.0	64.2	77.5	79.8	76.6	68.1	60.4	49.9	38.3	58.7
1982	34.0	39.5	52.5	54.6	71.0	73.3	79.8	76.1	69.6	61.1	51.4	48.2	59.3
1983	38.8	42.7	50.3	54.5	64.8	75.5	80.5	83.2	73.7	62.4	49.9	34.0	59.2
1984	32.2	43.4	46.1	58.2	64.2	77.4	76.1	76.5	68.6	66.7	46.0	49.6	58.8
1985	27.8	36.5	53.2	61.9	68.4	75.7	80.2	77.2	70.8	64.4	56.9	34.2	58.9
1986	37.2	44.7	50.8	60.8	68.6	76.5	82.4	76.7	74.9	61.0	49.9	39.9	60.3
1987	36.1	43.1	51.8	57.7	73.4	77.5	80.2	81.1	72.2	54.6	52.4	44.1	60.4
1988	34.4	38.7	49.3	57.1	67.3	77.3	81.4	81.9	72.8	54.2	51.1	42.4	59.0
1989	44.9	39.0	52.6	59.3	65.7	74.7	79.1	78.0	70.5	61.0	51.4	29.5	58.8
1990	45.8	49.9	53.6	58.4	66.4	78.2	80.4	79.6	74.7	60.1	54.3	43.7	62.1
Record Mean	38.5	41.0	49.7	59.4	68.1	76.2	79.4	78.3	72.2	60.9	49.1	41.0	59.5
Max	47.2	50.1	59.6	69.8	78.5	86.3	89.2	88.2	82.6	72.0	58.8	49.6	69.3
Min	29.9	31.8	39.7	48.9	57.7	66.1	69.6	68.4	61.7	49.7	39.4	32.4	49.6

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F NASHVILLE, TENNESSEE

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1961-62	0	0	23	186	471	734	916	523	605	303	5	0	3766
1962-63	0	0	43	152	508	924	1050	855	358	170	63	0	4123
1963-64	0	0	28	48	465	1062	803	797	490	139	23	0	3855
#1964-65	0	3	18	265	398	685	768	698	711	168	3	0	3717
1965-66	0	0	26	198	386	618	1007	657	452	234	78	7	3663
1966-67	0	0	13	255	423	763	697	763	300	106	69	1	3390
1967-68	0	3	58	216	615	688	952	941	531	205	64	1	4274
1968-69	0	0	4	220	484	825	855	700	692	149	38	3	3970
1969-70	0	0	10	201	551	854	1005	737	556	156	51	0	4121
1970-71	0	0	13	159	522	671	902	733	624	227	101	0	3952
1971-72	0	0	0	39	462	483	713	667	454	193	36	6	3053
1972-73	0	0	10	168	533	682	830	702	261	275	83	0	3544
1973-74	0	0	8	84	316	753	601	641	320	227	28	3	2981
1974-75	0	0	48	196	464	685	665	567	547	241	6	0	3419
1975-76	0	0	68	138	398	683	870	417	303	183	94	0	3154
1976-77	0	0	31	349	718	872	1250	679	350	129	28	1	4407
1977-78	0	0	3	255	425	813	1152	996	556	164	92	0	4456
1978-79	0	0	1	240	338	695	1088	877	449	213	57	0	3958
1979-80	0	0	5	180	487	723	777	848	571	240	38	0	3869
1980-81	0	0	9	259	487	739	909	621	537	97	96	0	3754
1981-82	0	0	42	175	445	820	956	707	416	309	8	0	3878
1982-83	0	0	30	194	413	537	806	620	458	322	71	0	3451
1983-84	0	0	45	121	447	956	1009	621	578	220	106	0	4103
1984-85	0	0	59	63	564	473	1146	794	383	145	25	6	3658
1985-86	0	0	30	91	264	948	854	561	432	171	55	0	3406
1986-87	0	3	0	175	447	773	889	608	401	242	6	0	3544
1987-88	0	0	7	317	376	640	941	756	485	242	43	2	3809
1988-89	0	0	5	343	408	693	618	721	397	258	90	0	3533
1989-90	0	0	36	158	408	1095	590	422	373	245	65	1	3393
1990-91	0	0	21	195	323	654							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F NASHVILLE, TENNESSEE

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	33	165	378	554	416	191	74	0	0	1811
1970	0	0	0	56	163	265	386	446	374	40	1	1	1732
1971	0	0	0	23	55	380	374	360	293	101	16	1	1603
1972	0	0	1	62	117	250	385	387	341	24	6	0	1573
1973	0	0	14	25	61	339	432	412	351	128	8	0	1770
1974	0	0	16	39	191	203	410	399	130	30	22	0	1440
1975	3	0	3	55	183	341	424	444	164	62	19	0	1698
1976	0	1	28	36	68	257	363	299	92	10	0	0	1154
1977	0	0	11	74	253	371	543	458	281	13	4	0	2008
1978	0	0	1	50	152	344	489	432	324	13	2	0	1807
1979	0	0	11	5	103	264	393	381	175	44	0	0	1376
1980	0	0	0	17	131	322	562	527	344	44	1	0	1948
1981	0	0	1	71	81	383	464	366	145	42	0	0	1553
1982	0	0	37	4	199	256	470	352	177	84	12	21	1612
1983	0	0	9	12	69	320	488	568	315	49	2	0	1832
1984	0	0	0	21	87	382	352	364	173	121	0	1	1501
1985	0	2	24	59	137	335	479	386	206	79	29	0	1736
1986	0	0	1	52	174	352	551	371	304	59	0	0	1864
1987	0	0	0	31	272	381	479	507	227	3	7	0	1907
1988	0	0	5	17	120	380	515	531	246	17	0	0	1831
1989	0	0	21	93	120	298	446	408	208	39	8	0	1641
1990	0	4	26	51	115	401	485	458	315	52	10	0	1917

See Reference Notes on Page 6B.

SNOWFALL (inches)

NASHVILLE, TENNESSEE

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1961-62	0.0	0.0	0.0	0.0	T	2.0	2.2	1.1	1.4	T	0.0	0.0	6.7
1962-63	0.0	0.0	0.0	0.0	T	8.2	6.8	8.7	0.0	0.0	0.0	0.0	23.7
1963-64	0.0	0.0	0.0	0.0	T	13.2	5.0	4.2	T	0.0	0.0	0.0	22.4
1964-65	0.0	0.0	0.0	0.0	T	0.0	1.2	2.9	3.4	0.0	0.0	0.0	7.5
1965-66	0.0	0.0	0.0	0.0	T	0.0	11.4	T	T	0.0	0.0	0.0	11.4
1966-67	0.0	0.0	0.0	0.0	7.2	4.3	1.2	T	T	0.0	0.0	0.0	12.7
1967-68	0.0	0.0	0.0	0.0	0.0	8.4	7.2	2.9	8.5	0.0	0.0	0.0	27.0
1968-69	0.0	0.0	0.0	0.0	T	T	5.2	6.9	4.8	0.0	0.0	0.0	16.9
1969-70	0.0	0.0	0.0	0.0	0.3	3.8	5.6	3.0	T	0.0	0.0	0.0	12.7
1970-71	0.0	0.0	0.0	0.0	T	1.2	1.2	6.5	3.0	1.1	0.0	0.0	13.0
1971-72	0.0	0.0	0.0	0.0	0.1	T	0.4	0.5	0.9	T	0.0	0.0	1.9
1972-73	0.0	0.0	0.0	0.0	0.1	0.6	4.8	T	0.2	0.1	0.0	0.0	5.8
1973-74	0.0	0.0	0.0	0.0	0.0	2.4	T	0.3	T	0.0	0.0	0.0	2.7
1974-75	0.0	0.0	0.0	0.0	T	2.1	4.2	T	T	T	0.0	0.0	6.3
1975-76	0.0	0.0	0.0	0.0	T	T	1.1	2.3	T	0.0	0.0	0.0	3.4
1976-77	0.0	0.0	0.0	0.0	1.2	1.8	18.5	T	0.0	T	0.0	0.0	21.5
1977-78	0.0	0.0	0.0	0.0	T	0.1	12.9	9.8	2.4	0.0	0.0	0.0	25.2
1978-79	0.0	0.0	0.0	0.0	0.0	T	8.0	18.9	0.6	0.0	0.0	0.0	27.5
1979-80	0.0	0.0	0.0	0.0	T	T	0.3	6.6	3.1	0.0	0.0	0.0	10.0
1980-81	0.0	0.0	0.0	0.0	T	T	1.2	1.7	T	0.0	0.0	0.0	2.9
1981-82	0.0	0.0	0.0	0.0	0.0	0.2	4.8	3.7	1.0	0.0	0.0	0.0	9.7
1982-83	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.8	T	0.0	0.0	0.0	1.5
1983-84	0.0	0.0	0.0	0.0	0.0	0.7	5.3	3.7	T	0.0	0.0	0.0	9.7
1984-85	0.0	0.0	0.0	0.0	0.0	0.8	9.8	8.0	0.0	0.0	0.0	0.0	18.6
1985-86	0.0	0.0	0.0	0.0	0.0	0.5	0.4	2.1	T	0.0	0.0	0.0	3.0
1986-87	0.0	0.0	0.0	0.0	0.0	T	1.4	1.3	1.6	T	0.0	0.0	4.3
1987-88	0.0	0.0	0.0	0.0	T	T	8.6	1.4	T	0.0	0.0	0.0	10.0
1988-89	0.0	0.0	0.0	0.0	0.0	1.6	T	5.2	0.0	0.0	0.0	0.0	6.8
1989-90	0.0	T	0.0	T	T	0.4	T	T	0.4	0.0	0.0	0.0	0.8
1990-91	0.0	0.0	0.0	0.0	0.0	0.3							
Record Mean	0.0	T	0.0	T	0.5	1.6	4.0	3.1	1.4	T	0.0	0.0	10.7

See Reference Notes on Page 6B.

REFERENCE NOTES

NASHVILLE, TENNESSEE

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
0.* OR * THE VALUE IS BETWEEN 0.0 AND 0.05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGE 4B
MAX AND MIN ARE LONG TERM MEAN DAILY MAXIMUM AND MEAN DAILY MINIMUM TEMPERATURES.

EXCEPTIONS

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1871 FOR TEMPERATURE
1871 FOR PRECIPITATION
1942 FOR SNOWFALL

NASHVILLE, TENNESSEE

The city of Nashville is located on the Cumberland River, in the northwestern corner of the Central Basin of middle Tennessee near the escarpment of the Highland Rim. The Rim, as it is called, rises to the height of 300 to 400 feet above the mean elevation of the basin, forming an amphitheater about the city from the southwest to the southeast, with the south being more or less open but undulating.

Temperatures are moderate, with great extremes of either heat or cold rarely occurring, yet there are changes of sufficient amplitude and frequency to give variety.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 29 and the average last occurrence in the spring is April 5.

Humidity is an important phase of climate in relation to bodily health and comfort. The Nashville records show that the average relative humidity is moderate as compared with the general conditions east of the Mississippi River and south of the Ohio.

Nashville is not in the most frequented path of general storms that cross the country, however, it is in the zone of moderate frequency of thunderstorms. The thunderstorm season usually begins in the latter part of March and continues through September.

STATION LOCATION

NASHVILLE, TENNESSEE

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE SEA LEVEL: GROUND TEMPERATURE SITE	ELEVATION ABOVE GROUND: WIND INSTRUMENTS	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROTHERMOMETER	AUTOMATIC OBSERVING EQUIPMENT *	* Type M = AMOS T = AUTOB S = ASOS W = AWOS	REMARKS
CITY																	
Building at 70-1/2 Cherry Street (4th Ave. between Church & Union)	10/20/70	3/01/71		36° 10'	86° 47'												Thermometer shelter on south wall of building.
30 N. College Street (3rd Avenue between Church and Union)	3/01/71	8/01/82	330 ft.ENE	36° 10'	86° 47'	#470	54	34	34								Shelter projected from NE window. # - Approximate.
SW corner Public Square and Market Street, 4th floor "Burns Block" Building	8/01/82	7/01/89	1/2 mi.NNW	36° 10'	86° 47'	#482	96	92	92				80				First shelter projected from NE window. Roof exposure at 92 ft. from 1/1/86. # - Approximate.
Roof of Vanderbilt Bldg 311-313 N. Cherry St.	7/01/89	9/01/94	1/8 mi. SW	36° 10'	86° 47'		102	98	98		a88		88				a - Added 9/16/93.
Roof on Chamber of Commerce Building 307 Church Street	9/01/94	6/30/05	1/7 mi. SE	36° 10'	86° 47'		134	b121	b 121		115		115				b - 126 ft. to 4/2/00.
Custom House, corner of Broadway and 8th Avenue	6/30/05	3/25/09	2/8 mi.SSW	36° 10'	86° 47'	497	91	78	78		74		74				Not good exposure. Roof main building 10 ft. higher than WB platform, and anemometer only 10 ft. higher than main bldg.
Stahlman Building 12th floor, 3rd Avenue and Union Street	3/25/09	7/06/48	1/2 mi.NNE	36° 10'	86° 47'	#470	c 190	168	168		162		162				Temperature exposure poor to 1/9/10 and only fair thereafter. Observation program at Berry Field after 6/30/41. c - 191 feet to 8/24/33. # - Approximate.
114 S. 9th Avenue (On McGavock)	7/06/48	12/15/50	5/8 mi. SW	36° 10'	86° 47'	#500							4				# - Approximate.
AIRPORT																	
Administration Building Berry Field, 6.8 miles SE of Post Office	6/25/37	7/16/48		36° 07'	86° 41'	585	a57	6	5		3	4	4				a - 73 feet to 1/26/46.
Weather Bureau Building Berry Field, 6.8 miles SE of Post Office	7/16/48	8/10/64	1/4 mi. N	36° 07'	86° 41'	577	d42	6	5		3	c5	**4				c - 4 feet to 10/10/51. **- Discontinued 10/1/51. d - 25 feet on field site 4/28/62 to 7/4/63.
Tennessee Aeronautics Commission Building Metropolitan Airport	8/10/64	6/23/75	1/4 mi. S	36° 07'	86° 41'	g590	h25	6	5	31	17	e5	17	f5			e - 19 feet to 9/24/64. f - Commissioned 2500 feet NW of thermometer site 3/3/65. g - 583 feet to 3/3/65. h - 36 feet to 1/12/65.
Government Services Bldg. Metropolitan AP	6/23/75	9/29/85	500 ft. E	36° 07'	86° 41'	590	i25	NA	NA	31	31	31	31	i5 j5	NA		i - Not moved 6/23/75. j - Type change 10/18/84.
GENESCO Building Metropolitan Airport	9/29/85	Present	Unknown	36° 07'	86° 41'	590	k25	NA	NA	103	103	103	NA	k5	NA		k - Not moved 9/29/85.
Airport State Fire Protection Bldg.	6/15/90	Present		36° 07'	86° 41'	598	m33	NA	NA	m8	m5	m5	NA	5	NA		m - Relocated 6/15/90.

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