

1998

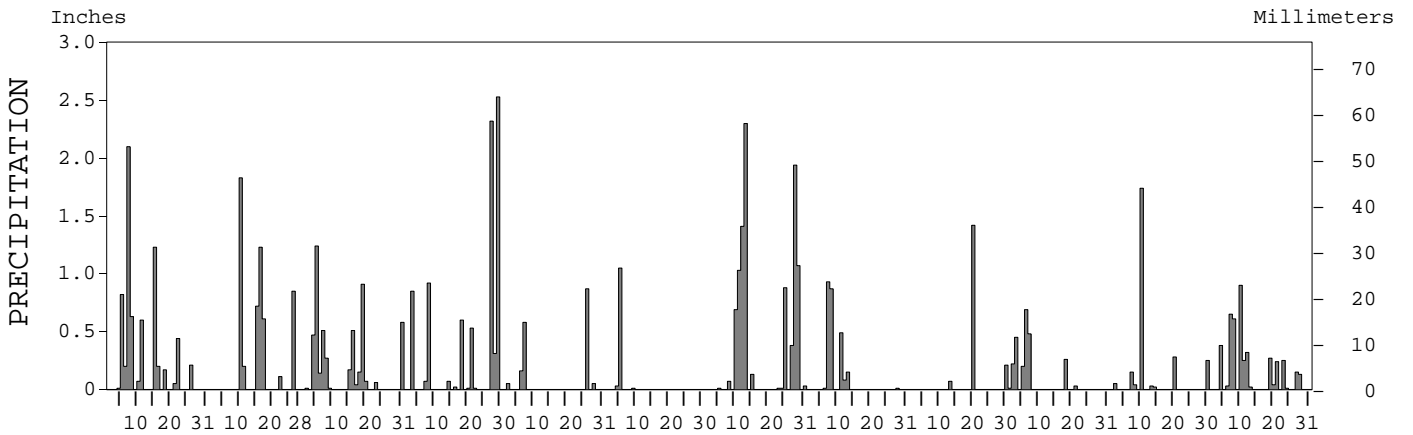
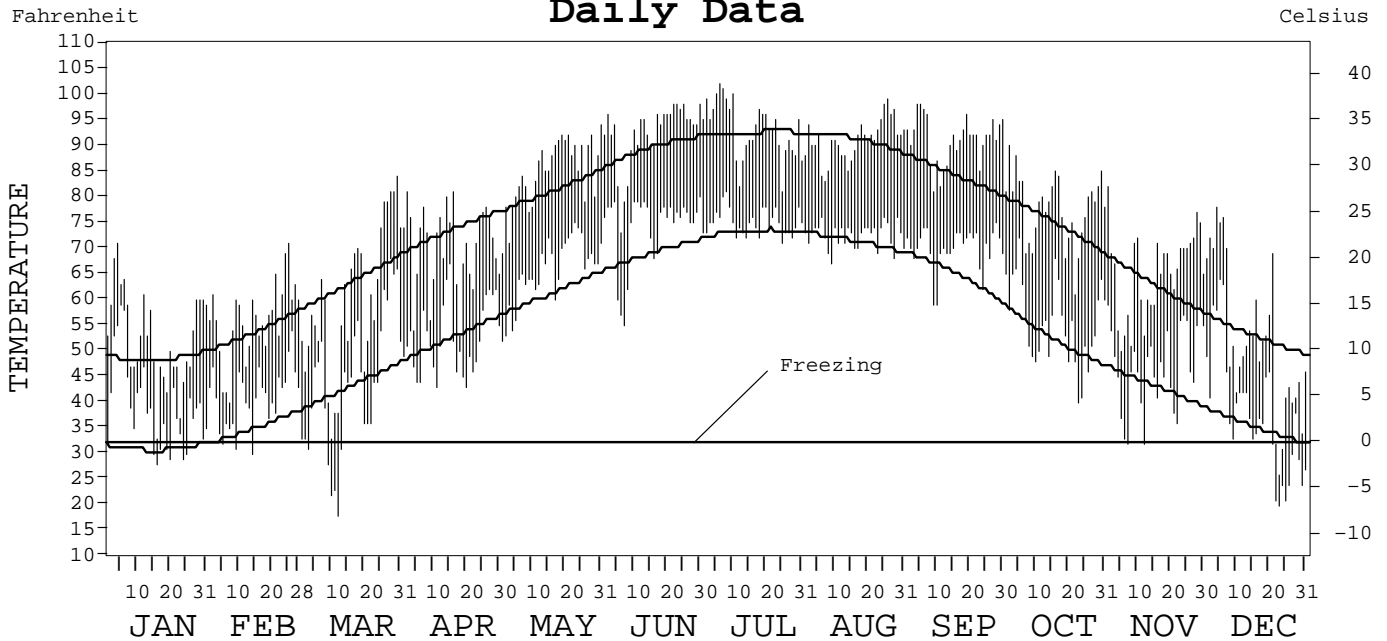
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-4837

MEMPHIS,
TENNESSEE (MEM)

Daily Data



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METEOROLOGICAL DATA FOR 1998

MEMPHIS, TN (MEM)

LATITUDE: 35° 03' 40" N LONGITUDE: 90° 00' 06" W ELEVATION (FT): GRND: 258 BARO: 271 TIME ZONE: CENTRAL (UTC+ 6) WBAN: 13893

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	52.6	55.9	60.0	70.4	84.8	92.3	93.1	91.0	91.1	77.7	65.1	52.3	73.9	
	HIGHEST DAILY MAXIMUM	71	71	84	81	94	98	102	99	98	90	82	78	102	
	DATE OF OCCURRENCE	04	25	30	16+	31	30+	06	26	05+	02	01	04	JUL 06	
	MEAN DAILY MINIMUM	39.0	41.0	43.8	52.4	65.7	74.0	75.0	72.5	69.9	55.5	46.7	37.8	56.1	
	LOWEST DAILY MINIMUM	28	30	18	43	52	55	71	67	59	40	32	20	18	
	DATE OF OCCURRENCE	16	14	12	20+	01	07	25	09	10+	23	12+	23	MAR 12	
	AVERAGE DRY BULB	45.8	48.5	51.9	61.4	75.3	83.2	84.1	81.8	80.5	66.6	55.9	45.1	65.0	
	MEAN WET BULB	41.4	41.7	45.1	52.6	65.3	70.6	74.4	71.8	68.0	57.4	49.1	41.1	56.5	
	MEAN DEW POINT	38.8	38.3	41.7	49.3	63.2	68.9	73.4	70.6	65.8	54.6	46.3	38.8	54.1	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	10	25	23	22	22	1	0	0	103	
	MAXIMUM ≤ 32°	0	0	0	0	0	0	0	0	0	0	0	3	3	
	MINIMUM ≤ 32°	8	3	6	0	0	0	0	0	0	0	2	10	29	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	587	457	439	133	4	0	0	0	58	275	622	2575		
	COOLING DEGREE DAYS	0	0	39	33	330	550	598	528	471	114	9	13	2685	
RH	MEAN (PERCENT)	79	71	70	67	69	64	75	72	65	69	74	81	71	
	HOUR 06 LST	87	83	81	82	85	78	90	90	84	88	87	91	86	
	HOUR 12 LST	71	62	61	58	57	54	64	57	49	52	62	74	60	
	HOUR 18 LST	75	63	66	57	58	53	64	63	56	62	68	76	63	
	HOUR 24 LST	81	75	75	71	77	73	84	81	73	75	80	84	77	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	0	1	0	0	0	1	1	0	0	2	2	8	
	THUNDERSTORMS	0	2	6	8	6	2	13	6	1	2	0	0	46	
CLOUDINESS	AVG. SKY COVER (OKTAS)														
	SUNRISE - SUNSET														
	MIDNIGHT - MIDNIGHT														
	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)														
	MEAN SEA-LEVEL PRESS. (IN.)	30.04	29.90	30.00	29.93	29.89	29.92	29.99	30.02	29.94	30.13	30.11	30.20	30.01	
WINDS	RESULTANT SPEED (MPH)	1.7	0.5	3.0	2.9	1.7	4.2	1.6	2.6	3.5	2.2	1.1	1.9	0.8	
	RES. DIR. (TENS OF DEGS.)	14	35	20	21	17	25	17	08	08	08	17	04	15	
	MEAN SPEED (MPH)	8.3	10.1	11.8	9.9	8.1	9.4	7.2	6.7	7.8	8.1	7.9	9.8	8.8	
	PREVAIL. DIR. (TENS OF DEGS.)	14	01	17	18	19	19	20	05	05	05	19	03	18	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)										26				
	DIR. (TENS OF DEGS.)										03				
	DATE OF OCCURRENCE										21				
	PEAK GUST:														
SPEED (MPH)															
DIR. (TENS OF DEGS.)															
DATE OF OCCURRENCE															
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.73	5.55	5.14	8.24	1.71	1.09	9.96	2.54	1.70	2.34	2.56	4.25	51.81	
	GREATEST 24-HOUR (IN.)	2.10	1.83	1.24	2.53	0.87	1.05	2.30	0.93	1.42	0.69	1.74	0.90	2.53	
	DATE OF OCCURRENCE	07	10	05	29	26	05	13	07	20	06	10	10	APR 29	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	13	7	15	12	5	3	14	7	3	8	8	15	110	
PRECIPITATION ≥ 0.10	10	7	10	7	3	1	9	4	2	6	4	11	74		
PRECIPITATION ≥ 1.00	2	2	1	2	0	1	5	0	1	0	1	0	15		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	3.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.8	
	GREATEST 24-HOUR (IN.)	2.0	0.0	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	
	DATE OF OCCURRENCE	16		21+									23	JAN 16	
	MAXIMUM SNOW DEPTH (IN.)	3	0	0	0	0	0	0	0	0	0	0	1	3	
	DATE OF OCCURRENCE	16											25+	JAN 16	
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0	2	0	0	0	0	0	0	0	0	0	0	0	2		

NORMALS, MEANS, AND EXTREMES

MEMPHIS, TN (MEM)

LATITUDE: 35° 03' 40" N LONGITUDE: 90° 00' 06" W ELEVATION (FT): GRND: 258 BARO: 271 TIME ZONE: CENTRAL (UTC+ 6) WBAN: 13893

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	48.5	53.5	63.2	73.3	81.0	89.3	92.3	90.8	83.9	74.3	62.3	52.5	72.1
	MEAN DAILY MAXIMUM	51	48.8	53.6	62.2	72.6	80.9	88.6	91.6	90.3	84.3	74.5	61.6	52.2	71.8
	HIGHEST DAILY MAXIMUM	57	78	81	85	94	99	104	108	105	103	95	85	81	108
	YEAR OF OCCURRENCE		1972	1962	1986	1987	1977	1954	1980	1943	1954	1954	1955	1982	JUL 1980
	MEAN OF EXTREME MAXS.	51	70.2	73.4	79.9	85.7	90.9	96.2	98.1	97.2	93.9	87.5	78.9	71.1	85.2
	NORMAL DAILY MINIMUM	30	30.9	34.8	43.0	52.4	61.2	68.9	72.9	71.1	64.5	51.9	42.7	34.8	52.4
	MEAN DAILY MINIMUM	51	31.5	35.0	42.5	52.1	61.3	69.3	73.0	71.2	64.1	52.1	41.8	34.8	52.4
	LOWEST DAILY MINIMUM	57	-4	-11	12	29	38	48	52	48	36	25	9	-13	-13
	YEAR OF OCCURRENCE		1985	1951	1943	1987	1944	1966	1947	1946	1949	1952	1950	1963	DEC 1963
	MEAN OF EXTREME MINS.	51	13.3	17.5	25.9	35.8	47.3	57.6	64.2	61.8	49.4	36.5	24.9	17.0	37.6
	NORMAL DRY BULB	30	39.7	44.2	53.1	62.9	71.2	79.1	82.6	81.0	74.2	63.1	52.5	43.7	62.3
	MEAN DRY BULB	51	40.2	44.4	52.4	62.4	71.2	78.9	82.3	80.7	74.2	63.3	51.6	43.5	62.1
	MEAN WET BULB	15	36.7	40.9	47.2	54.6	63.7	70.8	69.2	68.0	66.5	52.7	44.2	40.2	54.6
	MEAN DEW POINT	15	31.2	34.8	40.5	48.2	59.0	66.9	70.6	69.3	62.6	47.9	39.0	34.9	50.4
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	3.2	13.6	20.9	17.4	7.3	0.6	0.0	0.0	63.2	
MAXIMUM ≤ 32°	30	3.8	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.7	7.1	
MINIMUM ≤ 32°	30	19.1	13.4	4.8	0.4	0.0	0.0	0.0	0.0	0.0	0.1	4.2	14.2	56.2	
MINIMUM ≤ 0°	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	
H/C	NORMAL HEATING DEG. DAYS	30	784	582	383	127	25	0	0	0	10	131	380	660	3082
	NORMAL COOLING DEG. DAYS	30	0	0	14	64	217	423	546	496	286	72	0	0	2118
RH	NORMAL (PERCENT)	30	68	66	63	62	66	67	69	70	71	66	68	69	67
	HOUR 06 LST	30	73	71	68	69	74	75	77	78	80	75	73	72	74
	HOUR 12 LST	30	76	76	75	77	81	82	84	85	86	82	79	77	80
	HOUR 18 LST	30	61	58	55	53	56	56	58	58	58	52	57	61	57
	HOUR 24 LST	30	63	60	55	53	56	56	58	59	62	58	62	65	59
S	PERCENT POSSIBLE SUNSHINE	35	50	54	56	64	69	74	74	75	69	70	58	50	64
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	48	1.9	1.4	0.7	0.3	0.2	0.2	0.3	0.3	0.6	1.0	1.2	1.8	9.9
	THUNDERSTORMS	48	2.0	2.3	4.5	6.3	6.9	7.5	8.4	6.1	3.4	2.1	2.4	1.6	53.5
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	45	5.4	5.1	5.2	4.8	4.7	4.3	4.2	3.8	3.9	3.6	4.5	5.0	4.5
	MIDNIGHT-MIDNIGHT (OKTAS)	29	4.9	4.6	4.9	4.3	4.3	3.9	3.6	3.4	3.6	3.3	4.2	4.7	4.1
	MEAN NO. DAYS WITH:														
	CLEAR	43	7.7	7.9	7.9	8.6	8.4	9.6	10.2	11.8	12.5	14.4	10.2	8.9	118.1
PARTLY CLOUDY	43	5.8	5.6	6.5	7.3	9.6	11.1	11.9	11.7	7.5	7.0	6.2	5.6	95.8	
CLOUDY	43	17.5	14.8	16.6	14.1	13.0	9.3	8.9	7.4	10.0	9.7	13.6	16.5	151.4	
PR	MEAN STATION PRESSURE (IN)	24	29.86	29.82	29.72	29.70	29.70	29.68	29.71	29.72	29.75	29.79	29.81	30.85	29.84
	MEAN SEA-LEVEL PRES. (IN)	15	30.16	30.11	30.05	29.98	29.97	29.96	30.01	30.02	30.04	30.09	30.11	30.16	30.06
WINDS	MEAN SPEED (MPH)	49	10.0	10.1	10.7	10.2	8.8	7.9	7.5	6.9	7.5	7.7	9.1	9.7	8.8
	PREVAIL. DIR (TENS OF DEGS)	24	36	36	18	19	18	21	22	21	03	15	18	18	18
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	17	35	38	40	46	40	51	37	35	39	40	40	36	51
	DIR. (TENS OF DEGS)		03	02	01	02	03	02	03	02	03	02	02	03	02
	YEAR OF OCCURRENCE		1976	1993	1973	1979	1979	1994	1990	1980	1972	1984	1979	1972	JUN 1994
	PEAK GUST:														
SPEED (MPH)															
DIR. (TENS OF DEGS)															
YEAR OF OCCURRENCE															
PRECIPITATION	NORMAL (IN)	30	3.73	4.35	5.41	5.46	4.98	3.57	3.79	3.43	3.53	3.01	5.10	5.74	52.10
	MAXIMUM MONTHLY (IN)	48	12.21	10.51	12.08	17.13	11.58	10.17	9.96	9.65	7.61	7.75	11.51	13.81	17.13
	YEAR OF OCCURRENCE		1951	1989	1975	1991	1953	1996	1998	1978	1958	1984	1996	1982	APR 1991
	MINIMUM MONTHLY (IN)	48	0.57	1.12	1.50	1.39	0.83	0.04	0.43	0.43	0.19	T	0.75	1.05	T
	YEAR OF OCCURRENCE		1986	1980	1966	1992	1977	1953	1954	1953	1953	1963	1965	1955	OCT 1963
	MAXIMUM IN 24 HOURS (IN)	48	3.89	4.24	5.95	4.35	4.94	4.76	4.71	4.04	4.63	3.40	5.65	5.42	5.95
	YEAR OF OCCURRENCE		1974	1989	1975	1985	1958	1980	1980	1978	1957	1981	1988	1978	MAR 1975
	NORMAL NO. DAYS WITH:														
PRECIPITATION ≥ 0.01	30	9.8	9.5	10.6	10.1	9.6	8.5	8.5	7.7	7.7	6.5	9.0	9.7	107.2	
PRECIPITATION ≥ 1.00	30	0.9	1.3	1.8	1.9	1.5	1.0	1.3	1.0	1.2	1.0	1.5	1.9	16.3	
SNOWFALL	NORMAL (IN)	30	2.6	1.4	0.9	T	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	5.7
	MAXIMUM MONTHLY (IN)	48	12.4	8.3	17.3	T	T	T	0.0	0.0	0.0	T	1.5	14.3	17.3
	YEAR OF OCCURRENCE		1985	1985	1968	1993	1995	1995				1993	1976	1963	MAR 1968
	MAXIMUM IN 24 HOURS (IN)	48	8.1	5.8	16.1	T	T	T	0.0	0.0	0.0	T	1.2	14.3	16.1
	YEAR OF OCCURRENCE		1985	1960	1968	1993	1995	1995				1993	1976	1963	MAR 1968
	MAXIMUM SNOW DEPTH (IN)	50	12	6	12	0	0	0	0	0	0	0	1	13	13
	YEAR OF OCCURRENCE		1948	1985	1968								1991	1963	DEC 1963
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	0.9	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.*	0.1	1.8	

PRECIPITATION (inches) 1998 MEMPHIS, TN (MEM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	3.14	3.20	2.63	8.29	1.34	1.60	1.92	6.62	0.90	1.24	4.19	7.05	42.12
1970	1.16	3.87	5.32	7.08	3.70	5.76	4.99	1.78	3.80	6.20	2.62	3.71	49.99
1971	2.15	7.21	3.64	2.89	3.90	3.82	2.90	6.00	3.42	0.06	1.49	6.71	44.19
1972	4.73	2.23	4.80	3.51	4.55	5.50	4.89	1.94	5.46	3.92	8.05	9.37	58.95
1973	4.62	3.62	7.63	9.44	6.23	1.00	4.49	4.88	5.06	3.37	8.49	5.35	64.18
1974	8.90	4.65	3.40	6.34	7.76	6.30	6.33	4.78	3.45	2.67	4.96	5.03	64.57
1975	4.65	5.53	12.08	4.98	8.72	2.42	2.26	2.03	2.62	2.69	7.77	2.93	58.68
1976	2.85	4.41	7.68	2.41	4.73	4.06	3.82	0.86	5.40	5.66	1.83	1.79	45.50
1977	2.57	1.99	4.13	5.42	0.83	3.38	3.41	1.62	6.43	2.02	6.01	3.39	41.20
1978	8.13	1.31	4.05	2.14	8.14	4.45	3.89	9.65	1.52	1.82	5.56	13.12	63.78
1979	5.98	5.66	6.60	11.47	7.78	4.93	3.12	5.92	4.49	2.60	7.42	4.92	70.89
1980	3.23	1.12	10.86	7.53	4.43	5.75	4.73	1.23	5.32	3.14	5.23	1.86	54.43
1981	1.38	3.66	4.98	3.67	7.06	2.93	1.71	4.21	0.61	5.83	2.12	1.84	40.00
1982	6.61	4.16	4.47	6.76	5.50	6.68	4.13	3.11	1.92	5.23	6.43	13.81	68.81
1983	2.32	2.61	3.66	8.84	9.58	3.50	3.83	0.61	1.52	2.94	9.56	8.68	57.65
1984	1.88	4.37	6.07	5.24	9.06	1.12	4.59	5.00	1.96	7.75	5.85	4.35	57.24
1985	3.78	4.10	4.96	6.51	2.23	4.55	3.50	3.50	4.03	3.36	3.87	3.27	47.66
1986	0.57	2.50	1.90	3.72	4.63	3.80	1.21	2.74	1.21	3.75	8.67	3.92	38.62
1987	1.76	5.81	3.38	3.78	2.96	3.66	2.06	4.12	2.01	1.96	10.45	11.39	53.34
1988	4.25	3.49	4.20	2.85	2.38	2.15	5.21	0.85	4.73	3.62	10.52	5.99	50.24
1989	7.91	10.51	5.50	2.13	2.36	7.20	7.55	1.43	6.08	2.37	3.65	2.20	58.89
1990	3.97	8.99	5.65	6.93	4.55	2.68	2.21	1.18	5.21	4.37	3.44	10.61	59.79
1991	2.90	6.46	3.68	17.13	5.10	1.42	1.92	2.06	1.47	4.39	5.54	7.04	59.11
1992	1.78	2.18	7.07	1.39	3.68	7.50	5.38	2.44	3.62	4.01	4.82	3.28	47.15
1993	3.59	2.46	3.14	6.20	4.56	4.20	0.86	3.69	3.73	1.91	4.07	5.59	44.00
1994	5.53	4.67	6.65	4.04	3.00	5.03	4.03	2.00	1.44	2.72	4.34	6.04	49.49
1995	7.07	2.12	3.35	4.38	5.90	6.66	8.42	3.63	0.39	1.57	7.62	5.79	56.90
1996	5.53	2.77	5.31	3.37	6.28	10.17	9.89	2.07	5.99	7.12	11.51	6.18	76.19
1997	4.37	7.63	11.28	8.91	8.00	6.75	4.35	4.01	6.31	4.06	1.69	4.52	71.88
1998	6.73	5.55	5.14	8.24	1.71	1.09	9.96	2.54	1.70	2.34	2.56	4.25	51.81
POR= 127 YRS	4.86	4.38	5.25	5.18	4.40	3.78	3.51	3.19	2.94	2.84	4.43	4.81	49.57

WBAN : 13893

AVERAGE TEMPERATURE (°F) 1998 MEMPHIS, TN (MEM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	41.2	43.3	45.0	62.9	72.1	78.8	84.9	79.3	72.9	62.9	49.0	40.1	61.0
1970	35.3	41.7	48.7	65.0	72.3	77.3	79.7	81.2	77.9	61.7	49.8	46.4	61.4
1971	39.6	43.5	48.4	60.5	66.6	80.6	80.6	78.6	76.1	69.3	50.9	50.7	62.1
1972	42.3	44.7	52.2	63.1	69.7	77.5	79.4	79.7	75.9	61.4	45.5	40.0	61.0
1973	38.6	40.5	57.3	59.8	68.3	81.0	83.2	79.6	76.1	67.6	57.3	43.3	62.7
1974	45.7	45.6	58.7	61.8	72.1	74.7	82.5	79.2	68.5	62.4	53.3	45.2	62.5
1975	45.9	46.2	49.9	61.9	73.5	78.8	81.1	81.2	70.9	65.8	53.8	44.1	62.8
1976	39.5	53.8	58.5	63.6	65.6	76.4	81.5	78.9	73.0	58.9	45.5	41.9	61.4
1977	30.7	45.1	58.6	66.9	76.4	81.9	84.7	82.6	79.0	62.2	55.1	44.1	63.9
1978	32.7	35.0	50.3	66.3	70.9	79.8	83.8	80.9	77.7	62.5	57.7	44.0	61.8
1979	30.9	38.5	54.3	63.0	70.0	77.9	82.6	80.9	73.4	65.8	50.7	45.4	61.1
1980	43.2	39.5	49.4	60.9	72.5	80.9	88.8	87.2	80.5	62.7	53.3	45.9	63.7
1981	40.9	47.3	54.3	70.2	70.0	82.5	84.6	81.8	74.0	62.5	53.8	40.9	63.6
1982	36.6	40.5	55.5	58.5	74.5	78.0	85.0	82.9	73.3	63.7	53.4	49.5	62.6
1983	40.4	45.3	51.9	56.8	68.2	77.2	83.6	84.9	75.2	66.2	53.1	34.7	61.5
1984	35.9	47.6	51.1	61.0	69.5	80.9	80.9	79.8	71.9	68.4	50.9	53.8	62.6
1985	32.4	40.6	57.7	65.0	71.8	78.9	82.2	80.2	73.6	67.2	57.6	36.9	62.0
1986	41.9	48.0	55.2	64.4	72.5	81.0	86.5	79.2	79.1	64.2	51.1	42.6	63.8
1987	39.6	47.1	54.7	62.2	76.5	80.0	82.5	83.6	75.3	59.2	54.4	46.7	63.5
1988	36.8	42.2	52.3	62.8	71.8	80.3	81.6	83.7	76.3	59.1	54.6	44.9	62.2
1989	47.3	40.0	53.8	62.6	69.5	77.6	80.7	81.2	72.4	64.2	54.2	33.6	61.4
1990	48.5	52.0	55.3	61.4	68.3	80.7	82.5	82.0	77.9	61.3	57.1	45.8	64.4
1991	41.2	48.0	55.4	65.0	74.6	80.3	83.3	80.9	75.3	65.5	49.2	46.8	63.8
1992	42.2	49.9	53.7	63.0	70.4	76.9	82.5	76.8	73.2	63.8	50.7	43.8	62.2
1993	42.7	42.6	51.1	59.3	69.9	79.2	86.4	83.6	73.5	62.2	50.2	44.8	62.1
1994	37.8	46.3	54.2	67.0	69.4	82.3	81.1	79.4	72.5	63.6	56.6	46.7	63.1
1995	42.2	44.2	56.2	62.9	71.1	77.0	81.1	84.5	73.0	65.2	48.3	43.2	62.4
1996	39.2	45.0	48.0	59.7	74.2	78.4	80.5	79.6	72.3	63.1	49.1	46.8	61.3
1997	39.7	47.6	56.7	57.9	67.9	75.7	82.5	79.3	74.7	62.6	48.5	42.3	61.3
1998	45.8	48.5	51.9	61.4	75.3	83.2	84.1	81.8	80.5	66.6	55.9	45.1	65.0
POR= 124 YRS	40.9	44.1	52.5	62.2	70.6	78.4	81.5	80.2	74.3	63.5	51.8	43.6	62.0

HEATING DEGREE DAYS (base 65°F) 1998 MEMPHIS, TN (MEM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0	0	0	151	473	768	917	648	500	97	20	0	3574
1970-71	0	0	7	150	455	571	781	593	509	171	50	0	3287
1971-72	0	0	9	13	432	435	698	582	391	146	27	0	2733
1972-73	0	0	12	172	583	766	809	679	237	200	32	0	3490
1973-74	0	0	8	67	244	665	599	535	235	150	1	0	2504
1974-75	0	0	28	121	367	607	591	521	463	180	2	0	2880
1975-76	0	0	40	90	352	643	783	326	238	100	58	0	2630
1976-77	0	0	0	231	581	708	1056	547	212	61	4	0	3400
1977-78	0	0	0	123	313	640	995	835	454	74	47	0	3481
1978-79	0	0	0	116	230	643	1049	734	345	121	23	0	3261
1979-80	0	0	0	76	426	598	669	733	478	156	7	0	3143
1980-81	0	0	5	146	362	586	739	492	342	18	23	0	2713
1981-82	0	0	9	153	331	739	873	680	324	215	2	0	3326
1982-83	0	0	20	134	352	500	759	543	406	273	25	0	3012
1983-84	0	0	27	73	368	935	894	499	426	162	24	0	3408
1984-85	0	0	37	48	423	367	1004	683	254	100	6	0	2922
1985-86	0	0	17	54	257	864	708	475	307	102	8	0	2792
1986-87	0	0	0	102	413	687	782	492	322	154	0	0	2952
1987-88	0	0	0	186	324	559	867	657	393	108	0	0	3094
1988-89	0	0	1	202	314	619	544	694	369	174	41	0	2958
1989-90	0	0	24	102	337	966	503	363	321	181	38	0	2835
1990-91	0	0	11	182	249	593	728	471	329	57	7	0	2627
1991-92	0	0	23	90	481	556	699	433	347	144	30	0	2803
1992-93	0	0	15	87	428	650	685	617	433	200	15	2	3132
1993-94	0	0	14	164	447	618	839	524	337	78	38	0	3059
1994-95	0	0	16	117	261	559	703	574	292	123	32	0	2677
1995-96	0	0	18	79	495	666	792	577	525	190	9	0	3351
1996-97	0	0	12	115	475	561	776	479	267	214	36	0	2935
1997-98	0	0	0	181	490	696	587	457	439	133	4	0	2987
1998-	0	0	0	58	275	622							

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COOLING DEGREE DAYS (base 65°F) 1998 MEMPHIS, TN (MEM)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	48	240	422	627	449	243	91	0	0	2120
1970	3	0	0	104	251	375	463	509	400	51	6	2	2164
1971	0	0	3	46	107	474	489	426	349	154	14	0	2062
1972	0	0	3	95	179	383	449	464	346	66	6	0	1991
1973	0	0	4	48	143	486	571	458	350	156	19	0	2235
1974	6	0	46	59	228	299	550	445	138	46	23	0	1840
1975	8	0	3	93	272	421	507	510	224	121	23	2	2184
1976	0	7	44	64	84	349	519	438	247	48	0	0	1800
1977	0	0	23	123	362	516	619	551	426	41	20	0	2681
1978	0	0	6	122	235	452	590	501	387	46	18	0	2357
1979	0	0	19	68	184	394	553	499	259	108	4	0	2088
1980	0	0	0	40	249	480	744	695	476	80	18	2	2784
1981	0	5	20	181	184	532	614	527	285	80	2	0	2430
1982	0	1	36	26	305	399	623	563	275	100	14	25	2367
1983	0	0	7	32	131	373	584	622	338	116	17	0	2220
1984	0	1	4	51	169	482	502	462	249	162	5	23	2110
1985	0	6	30	107	224	425	540	478	285	129	42	0	2266
1986	0	3	12	91	247	487	673	448	427	81	4	0	2473
1987	0	0	9	78	366	458	549	584	315	12	13	0	2384
1988	0	0	7	52	221	469	518	586	347	24	8	0	2232
1989	0	2	27	109	186	386	496	510	254	84	20	0	2074
1990	0	7	27	83	146	477	550	534	404	71	18	2	2319
1991	0	0	34	62	309	464	576	500	339	113	13	0	2410
1992	0	0	5	92	204	363	551	375	268	55	4	0	1917
1993	0	0	8	38	173	436	669	584	275	84	13	0	2280
1994	0	7	8	145	179	525	502	451	247	80	15	0	2159
1995	4	0	26	66	229	365	507	612	264	91	2	1	2167
1996	0	6	5	40	302	408	486	458	237	62	4	3	2011
1997	1	1	14	7	132	327	550	446	297	114	0	0	1889
1998	0	0	39	33	330	550	598	528	471	114	9	13	2685

SNOWFALL (inches) 1998 MEMPHIS, TN (MEM)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1969-70	0.0	0.0	0.0	0.0	T	0.1	3.3	0.2	T	0.0	0.0	0.0	3.6
1970-71	0.0	0.0	0.0	0.0	T	1.0	T	6.7	1.6	T	0.0	0.0	9.3
1971-72	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.1	T	0.0	0.0	0.0	1.2
1972-73	0.0	0.0	0.0	0.0	T	T	1.4	T	0.0	0.0	0.0	0.0	1.4
1973-74	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.5	T	0.0	0.0	0.0	1.6
1974-75	0.0	0.0	0.0	0.0	T	0.2	3.9	0.5	1.4	0.0	0.0	0.0	6.0
1975-76	0.0	0.0	0.0	0.0	0.0	0.1	0.3	T	0.0	0.0	0.0	0.0	0.4
1976-77	0.0	0.0	0.0	0.0	1.5	0.3	3.5	T	0.0	0.0	0.0	0.0	5.3
1977-78	0.0	0.0	0.0	0.0	0.0	T	4.3	3.2	T	0.0	0.0	0.0	7.5
1978-79	0.0	0.0	0.0	0.0	0.0	T	3.0	7.4	0.0	0.0	0.0	0.0	10.4
1979-80	0.0	0.0	0.0	0.0	T	0.0	1.3	1.5	0.8	0.0	0.0	0.0	3.6
1980-81	0.0	0.0	0.0	0.0	T	T	T	T	0.0	0.0	0.0	0.0	T
1981-82	0.0	0.0	0.0	0.0	0.0	T	4.5	0.7	1.2	0.0	0.0	0.0	6.4
1982-83	0.0	0.0	0.0	0.0	0.0	T	7.3	T	0.2	0.0	0.0	0.0	7.5
1983-84	0.0	0.0	0.0	0.0	0.0	0.8	2.0	T	0.5	0.0	0.0	0.0	3.3
1984-85	0.0	0.0	0.0	0.0	0.0	T	12.4	8.3	0.0	0.0	0.0	0.0	20.7
1985-86	0.0	0.0	0.0	0.0	0.0	T	T	2.0	0.0	0.0	0.0	0.0	2.0
1986-87	0.0	0.0	0.0	0.0	0.0	T	T	T	0.4	0.0	0.0	0.0	0.0
1987-88	0.0	0.0	0.0	0.0	0.0	T	8.2	3.0	T	0.0	0.0	0.0	11.2
1988-89	0.0	0.0	0.0	0.0	0.0	T	T	0.3	T	0.0	T	0.0	0.3
1989-90	0.0	0.0	0.0	T	T	0.4	0.0	0.0	0.0	T	0.0	0.0	0.4
1990-91	0.0	0.0	0.0	0.0	0.0	0.4	T	T	1.0	0.0	0.0	0.0	1.4
1991-92	0.0	0.0	0.0	0.0	0.6	0.0	T	0.0	T	0.0	0.0	0.0	0.6
1992-93	0.0	0.0	0.0	0.0	T	T	T	T	T	T	T	0.0	T
1993-94	0.0	0.0	0.0	T	0.0	0.0	0.7	2.4	T	0.0	0.0	0.0	3.1
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.5	0.7	0.0	T	T	3.7
1995-96	0.0	0.0	0.0	0.0	T	T	0.4	0.2	T	0.0	0.0	0.0	0.6
1996-97	0.0	0.0	0.0	0.0	0.0	T	3.8	0.7	0.0	0.0	T	0.0	4.5
1997-98	0.0	0.0	0.0	0.0	0.0	T	3.0	0.0	T	0.0	0.0	0.0	3.0
1998-	0.0	0.0	0.0	0.0	0.0	0.8							
POR= 47 YRS	0.0	0.0	0.0	T	0.1	0.6	2.2	1.4	0.8	T	T	T	5.1

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REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1998
MEMPHIS,
TENNESSEE (MEM)

Topography varies from the level alluvial area in east-central Arkansas to the slightly rolling area in northwestern Mississippi and southwestern Tennessee.

Agricultural interests are varied, with major crops being cotton, corn, hay, soybeans, peaches, apples, and a considerable number of vegetables. The climate is quite favorable for dairy interests, and for the raising of cattle and hogs.

The growing season is about 230 days in length. The average date for the last occurrence of temperatures as low as 32 degrees is late March. The average date of the first temperature of 32 degrees or below is early November.

Precipitation of nearly 50 inches per year is fairly well distributed. Crops and pastures receive, on the average, an adequate supply of moisture during the growing season, with lesser amounts during the fall harvesting period.

Sunshine averages slightly over 70 percent of the possible amount during the growing season. Relative humidity averages about 70 percent for the year.

Memphis, although not in the normal paths of storms coming from the Gulf or from western Canada, is affected by both, and thereby has comparatively frequent changes in weather. Extremely high or low temperatures, however, are relatively rare.

STATION LOCATION

MEMPHIS, TENNESSEE

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE											* Type	REMARKS
						SEA LEVEL	GROUND											
							G	W	E	P	S	T	R	W	8	H		
CITY -- NOTE: For period February 28, 1871 through March 31, 1905, refer to previous editions.																		
Post Office Building Front at Madison	4/01/05	8/29/58	600 ft. W	35°09'	90°03'	271	a86	b78	b78		c70	d70	c70				a - 97 feet to 10/29/31. b - 76 feet to 10/29/31; psychrometer discontinued 3/31/41. c - 67 feet to 2/11/08; 69 feet to 10/29/31. d - Added from airport 9/11/50. e - Moved to airport 9/11/50. Effect of tall buildings on easterly winds began about 1910 and became quite noticeable by 1924.	
Shrine Building Front at Monroe	8/30/58	9/25/64 (A)	435 ft. S	35°09'	90°03'	271		78					70	70			Instruments on Post Office roof. (A) - Office moved to airport. Climatological records from Post Office roof until 8/18/65.	
AIRPORT Curtis-Wright Hangar 2nd floor Municipal AP	10/24/31	9/20/32		35°03'	89°59'	269	51	5	5					3				
American Airways Hangar Municipal Airport	9/20/32	9/21/36	800 ft. W	35°03'	89°59'	263	49	5	5					3				
Dept. of Commerce Bldg. (Radio) Municipal AP	9/21/36	5/28/38	300 ft. E	35°03'	89°59'	263	49	5	5					5				
Administration Building Municipal Airport + + International Airport Effective in 1969	5/28/38	4/17/73	100 ft. W	35°03'	89°59'	e258	*22	**6	c5	a4	b4	d	3	#4			* 55 feet to 7/22/58. ** 5 feet to 11/7/47 and 7 feet to 11/10/59. Standby status after 9/30/60. # Commissioned about 1300 feet NE of thermomter site 10/1/60. a - Added 9/11/50. b - Decommissioned 9/11/50. c - Discontinued 9/30/60; sling psychrometer as standby. Effective 5/6/64. d - 263 feet to 10/1/60. e - 263 feet to 10/1/60.	
3171 Director's Row International Airport	4/17/73	10/12/85	0.3 mi. WNW	35°03'	90°00'	258	f22	NA	NA	60	58	NA	58	f4	NA		f - Same site as prior to 4/17/73. g - Installed on roof 4/1/81. h - Removed 4/1/81.	
2488 Winchester Road International Airport	10/12/85	03/01/88	0.3 mi. ESE	35°03'	89°59'	258	i22	6	NA	NA	2	NA	2	4	NA		FAA operation eff. 10/12/85. Office returned to pre-1973 location. WSFO moved to Walnut Grove Rd. with no observing program.	
2496 Winchester Road International Airport	03/01/88	Present	Unknown	35°03'	89°59'	258	k22	k6	NA	NA	4	4	4	k4	NA		i - Not moved 10/12/85. Station type changed from FAA to FCWOS 9/1/87. j - Installed 10/01/87. k - Not moved 03/01/88.	

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
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