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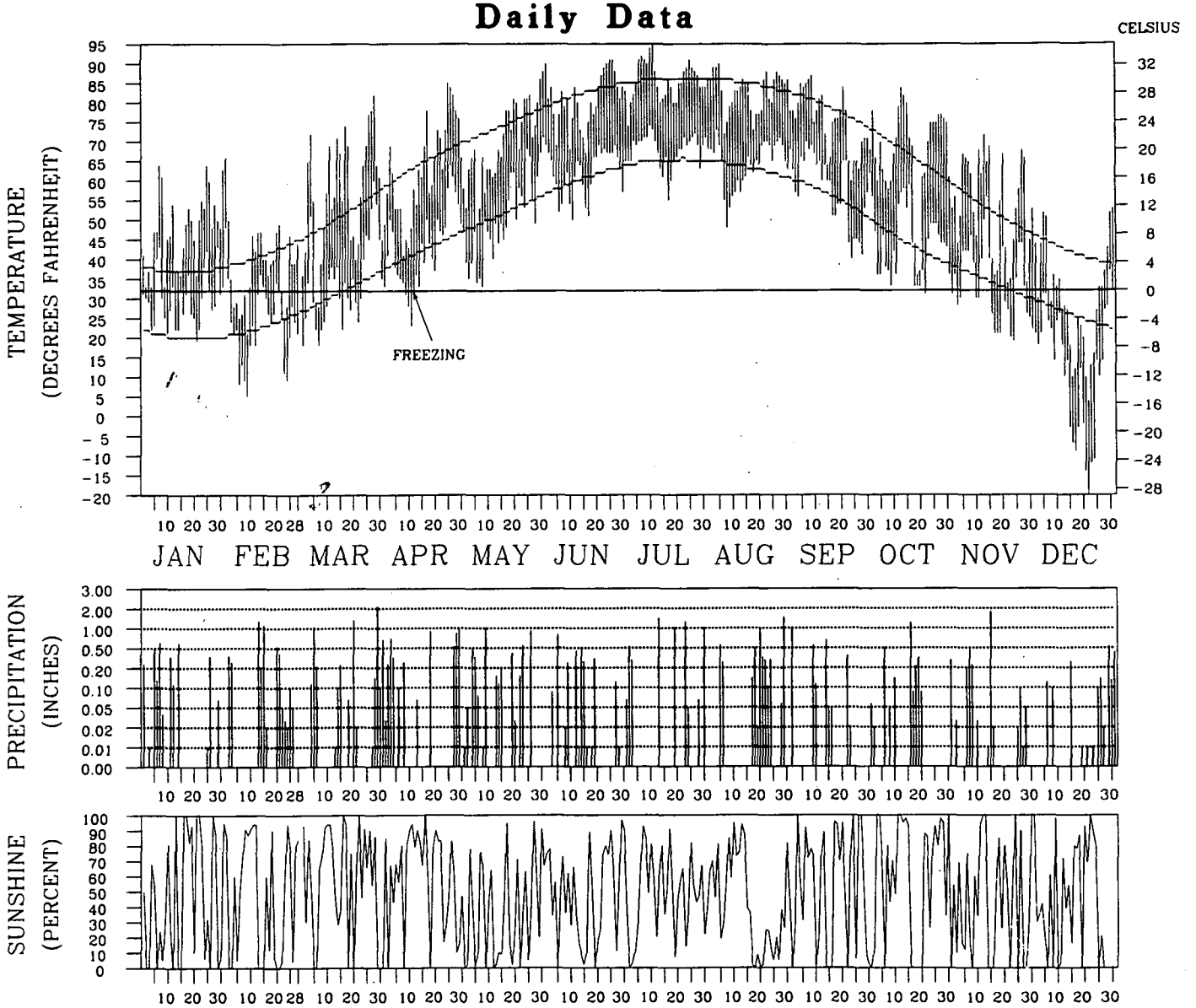
1989 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
CINCINNATI, (GREATER CINCINNATI AIRPORT)
OHIO

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

METEOROLOGICAL DATA FOR 1989

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

LATITUDE: 39°03' N LONGITUDE: 84°40' W ELEVATION: FT. GRND 869 BARO 888 TIME ZONE: EASTERN WBAN: 93814

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	47.5	38.2	56.6	63.0	69.8	80.7	85.7	82.9	75.1	67.3	53.8	30.6	62.6
-Daily Minimum	29.6	23.4	34.1	42.8	50.3	61.9	67.6	64.1	57.7	44.1	33.9	12.5	43.5
-Monthly	38.6	30.8	45.4	52.9	60.1	71.3	76.7	73.5	66.4	55.7	43.9	21.6	53.1
-Monthly Dewpt.	30.9	23.0	33.5	39.8	49.7	62.8	66.1	63.8	57.3	44.9	31.9	13.2	43.1
Extremes													
-Highest	64	66	82	85	88	91	95	90	87	84	72	53	95
-Date	25	1	28	25	31	26	11	5	9	13	13	31	JUL 11
-Lowest	19	5	18	23	33	50	55	48	40	31	19	-20	-20
-Date	21	9	7	11	8	11	17	8	24	22	24	22	DEC 22
DEGREE DAYS BASE 65 °F:													
Heating	811	949	608	380	211	14	0	4	77	297	630	1335	5316
Cooling	0	0	7	26	67	210	369	275	125	17	0	0	1096
% OF POSSIBLE SUNSHINE	46	46	56	60	37	49	48	42	52	57	44	41	48
AVG. SKY COVER (tenths)													
Sunrise - Sunset	6.3	7.2	7.2	7.1	6.8	6.3	6.3	6.3	5.7	5.0	6.7	6.8	6.5
Midnight - Midnight	6.0	7.2	6.7	6.8	6.4	6.1	6.2	6.0	5.7	4.6	6.1	6.7	6.2
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear	10	6	5	2	5	7	5	7	10	13	5	8	83
-Partly Cloudy	4	6	6	13	12	9	14	11	8	6	10	6	105
-Cloudy	17	16	20	15	14	14	12	13	12	12	15	17	177
Precipitation .01 inches or more	12	13	14	11	15	13	9	12	8	11	12	12	142
Snow, Ice pellets 1.0 inches or more	0	1	0	0	0	0	0	0	0	1	0	4	6
Thunderstorms	1	0	2	8	7	4	7	10	3	3	4	0	49
Heavy Fog, visibility 1/4 mile or less	5	0	3	0	3	0	1	4	3	2	0	4	25
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	4	7	1	0	0	0	0	12
32° and below	0	9	2	0	0	0	0	0	0	0	0	17	28
-Minimum													
32° and below	23	23	15	4	0	0	0	0	0	1	15	30	111
0° and below	0	0	0	0	0	0	0	0	0	0	0	9	9
AVG. STATION PRESS. (mb)	988.8	991.5	987.5	984.9	984.1	984.4	986.5	985.8	987.8	988.2	984.4	988.3	986.8
RELATIVE HUMIDITY (%)													
Hour 01 (Local Time)	82	81	74	75	81	89	83	87	85	80	72	73	80
Hour 07 (Local Time)	85	84	80	79	82	92	86	90	89	85	74	78	84
Hour 13 (Local Time)	70	68	62	51	59	63	59	60	63	56	55	63	61
Hour 19 (Local Time)	73	71	61	54	61	64	63	67	69	65	61	66	65
PRECIPITATION (inches):													
Water Equivalent													
-Total	3.21	4.67	6.40	5.19	4.64	3.04	5.97	5.33	2.97	3.18	3.05	1.96	49.61
-Greatest (24 hrs)	0.69	1.53	2.23	1.41	1.03	0.85	1.51	1.62	1.05	1.31	1.86	0.57	2.23
-Date	7- 8	13-14	28-29	28-29	8- 9	5	13	28-29	1	16	15	29-30	MAR 28-29
Snow, Ice pellets													
-Total	T	3.0	1.2	0.3	0.2	0.0	0.0	0.0	0.0	5.9	0.2	12.5	23.3
-Greatest (24 hrs)	T	1.3	0.9	0.3	0.2	0.0	0.0	0.0	0.0	5.0	0.2	7.0	7.0
-Date	20	22-23	5- 6	1	6					19	16	15	DEC 15
WIND:													
Resultant													
-Direction (!!!)	233	311	047	236	263	220	198	261	050	236	242	267	251
-Speed (mph)	6.6	2.9	0.7	1.2	2.4	1.7	0.2	1.0	2.2	3.2	5.3	3.6	1.9
Average Speed (mph)	10.9	11.0	10.7	9.5	9.4	7.4	7.4	6.8	7.7	7.8	11.0	9.0	9.1
Fastest Obs. 1 Min.													
-Direction (!!!)	30	31	30	34	32	19	29	34	36	28	30	33	30
-Speed (mph)	30	25	35	25	25	29	21	33	28	21	26	26	35
-Date	3	26	15	29	6	3	28	29	23	21	15	26	MAR 15
Peak Gust													
-Direction (!!!)	NW	NW	SW	NW	S	S	NW	N	N	SW	W	NW	SW
-Speed (mph)	46	36	51	43	36	40	32	40	40	30	43	39	51
-Date	3	26	14	28	19	3	28	29	23	21	28	2	MAR 14

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

2

F-7324

NORMALS, MEANS, AND EXTREMES

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

LATITUDE: 39°03'N LONGITUDE: 84°40'W ELEVATION: FT. GRND 869 BARO 888 TIME ZONE: EASTERN WBAN: 93814

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		37.3	41.2	51.5	64.5	74.2	82.3	85.8	84.8	78.7	66.7	52.6	41.9	63.5
-Daily Minimum		20.4	23.0	32.0	42.4	51.7	60.5	64.9	63.3	56.3	43.9	34.1	25.7	43.2
-Monthly		28.9	32.1	41.8	53.5	63.0	71.4	75.4	74.1	67.5	55.3	43.4	33.8	53.4
Extremes														
-Record Highest	28	69	73	84	89	93	102	103	102	98	88	81	75	103
-Year		1967	1972	1986	1976	1962	1988	1988	1962	1964	1963	1987	1982	JUL 1988
-Record Lowest	28	-25	-11	-11	17	27	39	47	43	33	16	1	-20	-25
-Year		1977	1982	1980	1964	1963	1972	1963	1986	1983	1962	1976	1989	JAN 1977
NORMAL DEGREE DAYS:														
Heating (base 65°F)		1119	921	719	350	143	12	0	0	52	316	648	967	5247
Cooling (base 65°F)		0	0	0	5	81	204	322	282	127	16	0	0	1037
% OF POSSIBLE SUNSHINE	6	42	43	51	59	59	66	64	63	63	53	39	36	53
MEAN SKY COVER (tenths)														
Sunrise - Sunset	38	7.4	7.3	7.3	6.9	6.6	6.1	6.0	5.7	5.6	5.6	7.1	7.5	6.6
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	38	5.2	5.2	5.2	5.9	6.1	7.2	7.7	8.3	9.6	10.5	6.1	5.2	82.3
-Partly Cloudy	38	6.1	5.7	6.9	7.6	9.8	10.3	11.6	11.8	9.0	7.4	5.8	5.8	97.7
-Cloudy	38	19.7	17.3	18.9	16.6	15.1	12.5	11.7	10.9	11.4	13.1	18.1	19.9	185.2
Precipitation .01 inches or more	42	11.9	11.1	13.2	12.4	11.3	10.5	10.0	9.0	7.8	8.3	11.0	12.1	128.7
Snow, Ice pellets 1.0 inches or more	42	2.2	1.8	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.*	0.5	1.2	7.2
Thunderstorms	42	0.7	0.8	2.4	4.2	5.7	7.0	8.1	7.4	3.2	1.4	1.2	0.5	42.6
Heavy Fog Visibility 1/4 mile or less	26	2.4	1.9	1.6	0.8	1.3	1.2	1.8	2.8	3.7	2.7	1.6	2.5	24.5
Temperature °F														
-Maximum														
90° and above	27	0.0	0.0	0.0	0.0	0.5	4.4	8.0	5.3	1.9	0.0	0.0	0.0	20.0
32° and below	27	12.4	8.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.6	29.1
-Minimum														
32° and below	27	26.7	22.9	16.1	4.4	0.3	0.0	0.0	0.0	0.0	3.5	12.7	22.4	109.0
0° and below	27	3.3	1.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.4
AVG. STATION PRESS. (mb)	17	987.5	987.0	984.6	983.9	983.7	984.5	985.7	986.4	987.0	988.0	987.0	987.6	986.1
RELATIVE HUMIDITY (%) (Local Time)														
Hour 01	27	75	74	73	70	77	80	83	83	82	77	75	76	77
Hour 07	27	78	78	77	76	80	82	85	88	88	83	80	79	81
Hour 13	27	67	64	59	53	54	56	57	57	57	55	63	69	59
Hour 19	27	69	65	60	55	57	59	61	63	66	65	68	72	63
PRECIPITATION (inches):														
Water Equivalent														
-Normal		3.13	2.73	3.95	3.58	3.84	4.09	4.28	2.97	2.91	2.54	3.12	3.00	40.14
-Maximum Monthly	42	9.43	6.72	12.18	7.19	9.48	7.36	8.36	7.71	8.61	8.60	7.51	6.46	12.18
-Year		1950	1955	1964	1970	1968	1977	1962	1982	1979	1983	1985	1978	MAR 1964
-Minimum Monthly	42	0.57	0.25	1.14	1.04	1.13	0.95	1.18	0.31	0.18	0.25	0.43	0.51	0.18
-Year		1981	1978	1960	1971	1964	1965	1951	1953	1963	1963	1949	1976	SEP 1963
-Maximum in 24 hrs	42	4.33	2.60	5.21	2.72	3.71	3.45	4.28	3.12	4.54	4.47	3.36	2.96	5.21
-Year		1959	1988	1964	1950	1956	1974	1988	1957	1979	1985	1948	1948	MAR 1964
Snow, Ice pellets														
-Maximum Monthly	42	31.5	13.3	13.0	3.7	0.2	0.0	0.0	0.0	0.0	5.9	12.1	12.5	31.5
-Year		1978	1971	1968	1977	1989					1989	1966	1989	JAN 1978
-Maximum in 24 hrs	42	8.1	9.3	9.8	3.6	0.2	0.0	0.0	0.0	0.0	5.0	9.0	7.3	9.8
-Year		1978	1966	1968	1977	1989					1989	1966	1984	MAR 1968
WIND:														
Mean Speed (mph)	42	10.7	10.4	11.1	10.7	8.7	7.9	7.1	6.7	7.4	8.2	9.7	10.3	9.1
Prevailing Direction through 1963		SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
Fastest Obs. 1 Min.														
-Direction (!!!)	26	28	29	25	25	31	24	34	31	24	27	21	21	25
-Speed (MPH)	26	46	40	44	46	37	40	35	37	32	35	35	40	46
-Year		1976	1967	1977	1982	1986	1971	1980	1983	1975	1967	1988	1973	APR 1982
Peak Gust														
-Direction (!!!)	6	W	SW	SW	S	W	W	W	N	N	SW	W	SW	SW
-Speed (mph)	6	48	55	64	61	53	52	48	40	40	43	56	59	64
-Date		1985	1988	1986	1985	1987	1987	1987	1989	1989	1986	1988	1987	MAR 1986

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

3

PRECIPITATION (inches)

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1960	2.48	3.49	1.14	1.32	3.22	6.16	3.15	5.21	1.07	4.00	2.33	1.73	35.30
1961	1.87	3.56	4.76	2.81	7.31	2.28	5.11	1.07	0.97	1.88	3.36	3.39	38.37
1962	3.98	5.58	4.25	1.26	3.64	4.40	8.36	2.14	2.67	2.87	2.37	1.36	42.88
1963	2.04	1.09	9.91	2.01	2.73	1.59	4.34	1.83	0.18	0.25	0.94	1.08	27.99
1964	2.88	1.98	12.18	6.73	1.13	4.32	2.56	2.25	1.65	0.59	2.69	4.92	43.88
1965	3.11	5.07	2.86	4.90	1.46	0.95	4.42	3.24	6.06	3.81	1.26	1.19	38.33
1966	3.84	3.73	1.22	5.38	2.42	2.52	4.06	4.31	3.13	0.57	4.18	3.31	38.67
1967	0.75	1.86	3.63	3.66	5.64	1.72	4.99	0.77	1.79	2.65	3.84	3.94	35.24
1968	1.79	0.64	4.24	3.47	9.48	2.43	7.50	2.26	2.16	1.35	3.21	4.01	42.54
1969	4.64	1.27	1.42	3.59	2.05	4.91	3.28	2.15	2.87	1.53	3.67	2.59	33.97
1970	1.27	1.68	4.71	7.19	1.88	5.73	3.47	2.96	3.87	2.44	2.29	3.32	40.81
1971	2.47	5.89	2.55	1.04	3.31	5.18	3.70	3.45	6.56	1.44	1.68	3.39	40.66
1972	1.96	2.20	3.68	5.89	6.02	2.41	1.50	2.64	5.96	2.55	6.26	4.23	45.30
1973	1.79	1.58	6.11	5.81	3.46	6.27	7.16	2.62	2.63	4.39	4.95	2.66	49.43
1974	3.65	1.63	4.39	5.08	5.53	4.38	3.82	5.75	4.44	1.07	4.19	2.83	46.76
1975	4.05	3.38	6.76	4.16	3.11	5.09	1.62	1.97	3.64	4.59	2.50	3.36	44.23
1976	3.00	2.37	2.14	1.21	1.80	5.94	2.33	4.36	1.95	3.85	0.83	0.51	30.29
1977	1.90	1.29	4.52	4.16	1.53	7.36	1.90	5.45	1.80	3.74	3.90	4.00	41.55
1978	4.52	0.25	1.99	2.28	5.30	6.63	6.86	4.41	0.43	5.03	2.67	6.46	46.83
1979	3.68	3.77	2.05	4.90	4.00	5.92	5.49	4.80	8.61	1.77	4.86	2.91	52.76
1980	2.26	1.04	4.50	1.96	4.59	4.13	5.51	4.19	1.83	3.28	2.58	1.26	37.13
1981	0.57	3.86	1.72	5.05	5.07	3.34	3.66	2.15	1.47	2.33	2.94	2.39	34.55
1982	7.17	1.17	4.67	2.18	4.60	3.61	2.44	7.71	1.27	0.99	5.08	4.25	45.14
1983	1.56	1.14	2.02	4.84	8.89	2.22	1.96	3.23	1.22	8.60	4.20	2.84	42.72
1984	0.75	2.40	3.61	4.88	4.82	2.11	2.57	3.30	3.50	3.85	6.00	4.21	42.00
1985	1.68	2.25	6.90	1.34	6.18	4.55	3.59	2.02	0.76	5.83	7.51	1.52	44.13
1986	1.01	2.85	3.07	1.57	3.59	1.46	3.33	3.78	3.53	3.08	3.79	2.58	33.64
1987	0.92	1.62	4.65	2.88	2.73	4.62	5.07	2.27	1.17	1.42	1.82	3.43	32.60
1988	2.75	4.94	3.42	3.92	1.99	1.19	6.85	2.44	3.05	1.86	4.78	2.78	39.97
1989	3.21	4.67	6.40	5.19	4.64	3.04	5.97	5.33	2.97	3.18	3.05	1.96	49.61
Record Mean	3.20	2.84	3.95	3.55	3.92	3.88	4.21	3.08	2.79	2.71	3.44	2.99	40.56

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1960	34.5	30.6	29.7	57.7	60.9	70.9	74.4	76.3	70.5	57.1	46.1	28.8	53.1
1961	27.8	38.7	46.5	48.4	59.3	70.1	75.4	74.4	71.8	58.1	44.2	33.5	54.0
#1962	28.2	34.9	40.7	52.3	68.4	72.4	74.3	75.1	63.5	56.2	42.8	28.5	53.1
1963	22.2	24.4	44.8	53.8	58.9	69.2	72.3	70.5	65.7	61.8	45.2	22.9	51.0
1964	32.1	30.2	43.1	56.1	65.8	71.9	74.2	73.7	67.1	52.7	47.1	35.5	54.1
1965	30.6	32.9	36.6	53.3	67.1	71.9	73.2	72.5	67.1	53.4	44.2	38.8	53.5
1966	23.8	31.5	42.9	50.1	60.4	73.1	78.8	74.5	66.5	51.0	44.7	33.6	52.6
1967	35.4	27.5	44.8	55.4	60.5	73.0	72.9	71.1	65.3	55.5	40.3	36.8	53.2
1968	26.8	28.1	45.2	55.5	60.7	72.9	75.7	75.3	67.4	55.9	45.6	33.7	53.6
1969	30.2	33.7	37.3	55.2	65.0	71.9	77.3	74.0	66.5	55.7	40.3	30.6	53.1
1970	24.0	30.6	39.0	56.8	66.8	72.2	75.5	75.1	73.7	58.6	45.0	38.0	54.6
1971	28.3	33.3	40.2	53.1	60.8	75.8	74.8	72.4	70.3	61.4	43.2	41.2	54.6
1972	30.2	29.5	40.6	52.5	63.1	65.3	75.5	73.4	68.7	51.7	40.3	36.1	52.3
1973	31.7	33.0	50.6	51.1	58.4	72.3	74.8	73.7	69.6	59.0	45.4	33.6	54.4
1974	35.7	33.9	45.9	54.3	61.9	67.7	75.2	74.3	61.6	53.2	44.4	34.4	53.5
1975	34.0	37.1	39.8	50.6	67.6	72.3	74.6	76.9	62.4	57.5	49.1	37.4	54.9
1976	27.1	41.7	47.0	56.1	60.0	71.5	73.6	71.2	63.6	48.8	34.9	27.6	52.0
1977	12.0	29.8	46.5	56.3	68.2	68.7	77.9	73.9	69.8	52.3	45.4	28.7	52.5
1978	18.4	18.2	36.4	53.4	60.1	72.2	75.0	73.0	70.8	52.6	46.4	36.0	51.0
1979	21.3	21.4	46.6	50.9	60.2	69.4	73.4	72.3	66.1	54.3	44.2	36.2	51.4
1980	29.9	24.0	38.5	50.3	64.9	70.1	76.6	76.5	68.6	50.6	41.5	32.9	52.0
1981	24.1	34.2	40.1	58.1	59.8	72.3	75.9	73.6	65.2	53.9	43.7	29.0	52.5
1982	23.9	30.6	44.3	49.6	68.1	67.4	77.0	71.3	66.9	59.3	48.4	42.9	54.1
1983	31.6	35.3	44.7	49.4	59.0	71.6	79.2	78.3	67.2	55.7	44.7	24.6	53.4
1984	23.7	38.2	34.4	51.1	58.9	74.1	72.2	74.3	65.7	61.5	42.0	42.4	53.2
1985	22.7	29.4	47.5	57.9	65.4	69.9	75.1	72.5	67.5	59.3	49.9	26.2	53.6
1986	30.9	35.2	45.2	55.3	64.5	72.9	77.6	72.0	70.1	56.4	42.7	34.0	54.7
1987	30.7	37.3	45.0	53.0	69.3	73.6	76.1	75.2	68.3	49.3	48.0	36.8	55.2
1988	27.5	30.5	42.2	52.4	64.4	72.4	78.5	77.5	67.2	48.5	45.0	34.1	53.4
1989	38.6	30.8	45.4	52.9	60.1	71.3	76.7	73.5	66.4	55.7	43.9	21.6	53.1
Record Mean	29.2	32.8	42.2	53.5	63.1	71.7	75.7	74.2	67.3	55.6	43.9	33.7	53.5
Max	37.4	41.6	51.9	64.2	74.2	82.5	86.1	84.9	78.3	66.4	52.8	41.6	63.5
Min	20.9	23.9	32.5	42.7	52.1	60.9	65.3	63.4	56.3	44.7	34.9	25.8	43.6

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F — CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1960-61	0	0	18	252	559	1116	1146	729	568	497	196	23	5104
#1961-62	0	0	47	226	622	970	1132	838	747	402	51	4	5039
1962-63	2	2	129	311	660	1126	1321	1132	619	359	202	25	5888
1963-64	1	6	75	119	586	1296	1011	1005	671	273	64	26	5133
1964-65	0	14	68	376	529	907	1058	894	872	350	43	0	5111
1965-66	2	15	64	362	614	803	1270	931	681	442	181	15	5380
1966-67	0	0	70	428	602	969	910	1043	622	305	175	9	5133
1967-68	0	2	82	313	736	867	1178	1063	609	284	151	6	5291
1968-69	0	4	32	316	576	965	1072	872	852	298	84	29	5100
1969-70	0	0	66	309	737	1058	1265	954	797	264	91	2	5543
1970-71	4	0	28	212	591	829	1133	881	758	351	157	0	4944
1971-72	0	0	31	128	649	731	1073	1024	751	374	116	79	4956
1972-73	2	3	24	404	733	891	1025	888	445	425	206	3	5049
1973-74	0	1	27	217	583	964	901	863	591	332	161	31	4671
1974-75	0	0	147	371	614	942	953	774	778	435	50	10	5074
1975-76	5	0	142	244	474	848	1168	670	558	321	176	5	4611
1976-77	0	4	72	498	893	1157	1640	980	571	276	67	36	6194
1977-78	0	2	32	391	586	1118	1440	1303	880	346	207	10	6315
1978-79	0	0	21	381	552	891	1348	1216	563	425	179	15	5591
1979-80	1	14	60	346	616	887	1080	1182	814	434	92	24	5550
1980-81	0	0	48	446	697	988	1261	858	768	230	191	6	5493
1981-82	0	0	87	344	634	1107	1268	956	635	460	28	19	5538
1982-83	0	1	56	244	505	682	1029	825	627	466	199	21	4655
1983-84	1	0	89	288	600	1247	1274	773	939	425	219	4	5859
1984-85	0	0	101	128	684	692	1306	992	543	256	72	22	4796
1985-86	0	0	78	212	450	1195	1056	828	613	305	105	3	4845
1986-87	0	21	25	292	664	955	1058	766	612	365	52	2	4812
1987-88	0	1	39	477	505	868	1156	991	699	374	84	22	5216
1988-89	1	0	38	509	595	949	811	949	608	380	211	14	5065
1989-90	0	4	77	297	630	1335							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F — CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	9	92	240	389	285	116	31	0	0	1162
1970	0	0	0	28	151	225	336	320	292	21	0	0	1373
1971	0	0	0	0	33	335	313	236	195	25	0	0	1137
1972	0	0	0	7	65	96	334	268	142	0	0	0	912
1973	0	0	4	13	7	228	310	278	170	36	0	0	1046
1974	0	0	8	17	70	121	323	297	50	12	2	0	900
1975	0	0	0	8	138	236	309	376	72	19	3	0	1161
1976	0	0	6	59	28	207	276	202	39	5	0	0	822
1977	0	0	7	22	171	152	407	285	181	4	5	0	1234
1978	0	0	0	4	63	231	315	255	200	2	0	0	1070
1979	0	0	2	8	38	154	271	248	102	22	0	0	845
1980	0	0	0	0	98	187	364	363	166	5	0	0	1183
1981	0	0	1	31	34	234	343	275	99	9	0	0	1026
1982	0	0	0	5	129	99	381	203	120	73	13	8	1031
1983	0	0	4	4	18	225	448	417	161	8	0	0	1285
1984	0	0	0	13	38	289	233	295	130	29	0	0	1027
1985	0	0	6	47	93	174	318	241	162	41	5	0	1087
1986	0	0	4	22	97	247	399	243	183	30	0	0	1225
1987	0	0	0	12	193	266	353	325	147	0	4	0	1300
1988	0	0	2	3	70	251	425	392	111	6	0	0	1260
1989	0	0	7	26	67	210	369	275	125	17	0	0	1096

See Reference Notes on Page 6B.

SNOWFALL (inches)

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1960-61	0.0	0.0	0.0	0.0	T	12.5	6.9	13.3	1.4	1.4	0.0	0.0	35.5
1961-62	0.0	0.0	0.0	0.0	0.9	8.1	3.9	9.0	5.2	1.7	0.0	0.0	28.8
1962-63	0.0	0.0	0.0	1.7	0.8	4.7	9.6	6.4	0.1	0.0	0.0	0.0	23.3
1963-64	0.0	0.0	0.0	0.0	2.3	7.6	15.3	6.7	1.3	T	0.0	0.0	33.2
1964-65	0.0	0.0	0.0	0.0	1.7	0.9	9.3	5.9	6.2	T	0.0	0.0	24.0
1965-66	0.0	0.0	0.0	0.0	T	2.5	6.8	9.5	1.2	0.1	T	0.0	20.1
1966-67	0.0	0.0	0.0	0.0	12.1	1.6	2.5	7.3	8.1	0.0	0.0	0.0	31.6
1967-68	0.0	0.0	0.0	T	3.1	3.1	8.7	3.6	13.0	0.0	0.0	0.0	31.5
1968-69	0.0	0.0	0.0	0.0	0.4	2.0	1.0	0.3	2.8	0.0	0.0	0.0	6.5
1969-70	0.0	0.0	0.0	0.0	1.1	6.0	6.7	4.3	12.0	T	0.0	0.0	30.1
1970-71	0.0	0.0	0.0	0.0	0.4	0.4	3.2	13.3	9.7	T	0.0	0.0	27.0
1971-72	0.0	0.0	0.0	0.0	3.0	T	1.6	10.8	0.1	0.5	0.0	0.0	16.0
1972-73	0.0	0.0	0.0	T	6.5	1.9	0.5	3.1	3.9	1.8	0.0	0.0	17.7
1973-74	0.0	0.0	0.0	0.0	0.4	2.0	1.7	3.2	3.4	0.5	0.0	0.0	11.2
1974-75	0.0	0.0	0.0	T	5.0	5.6	2.0	2.2	6.8	0.2	0.0	0.0	21.8
1975-76	0.0	0.0	0.0	0.0	3.7	1.7	8.0	0.1	0.6	0.0	0.0	0.0	14.1
1976-77	0.0	0.0	0.0	0.0	2.7	1.0	30.3	4.2	5.4	3.7	0.0	0.0	47.3
1977-78	0.0	0.0	0.0	0.0	4.0	6.3	31.5	4.6	7.5	0.0	0.0	0.0	53.9
1978-79	0.0	0.0	0.0	0.0	T	0.7	17.5	11.7	0.6	0.1	0.0	0.0	30.6
1979-80	0.0	0.0	0.0	0.0	1.0	1.0	8.3	11.9	7.9	T	0.0	0.0	30.1
1980-81	0.0	0.0	0.0	T	1.2	3.7	4.0	2.6	2.5	0.0	0.0	0.0	14.0
1981-82	0.0	0.0	0.0	T	0.3	10.9	7.1	3.9	0.5	1.5	0.0	0.0	24.2
1982-83	0.0	0.0	0.0	0.0	T	T	0.8	5.5	0.3	T	0.0	0.0	6.6
1983-84	0.0	0.0	0.0	0.0	T	1.7	4.1	6.7	4.1	0.0	0.0	0.0	16.6
1984-85	0.0	0.0	0.0	0.0	1.4	7.3	12.2	9.5	0.4	1.7	0.0	0.0	32.5
1985-86	0.0	0.0	0.0	0.0	0.0	5.0	2.8	11.3	0.8	T	0.0	0.0	19.9
1986-87	0.0	0.0	0.0	0.0	T	0.8	1.6	2.4	8.8	2.3	0.0	0.0	15.9
1987-88	0.0	0.0	0.0	0.0	0.1	0.2	4.3	4.7	2.3	T	0.0	0.0	11.6
1988-89	0.0	0.0	0.0	0.0	0.7	2.9	T	3.0	1.2	0.3	0.2	0.0	8.3
1989-90	0.0	0.0	0.0	5.9	0.2	12.5							
Record Mean	0.0	0.0	0.0	0.2	2.2	3.9	7.1	5.4	4.3	0.5	T	0.0	23.5

See Reference Notes on Page 6B.

REFERENCE NOTES

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

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 1948 FOR TEMPERATURE
1948 FOR PRECIPITATION
1948 FOR SNOWFALL

CINCINNATI, (GREATER CINCINNATI AIRPORT) OHIO

Greater Cincinnati Airport is located on a gently rolling plateau about 12 miles southwest of downtown Cincinnati and 2 miles south of the Ohio River at its nearest point. The river valley is rather narrow and steep-sided varying from 1 to 3 miles in width and the river bed is 500 feet below the level of the airport.

The climate is continental with a rather wide range of temperatures from winter to summer. A precipitation maximum occurs during winter and spring with a late summer and fall minimum. On the average, the maximum snowfall occurs during January, although the heaviest 24-hour amounts have been recorded during late November and February.

The heaviest precipitation, as well as the precipitation of the longest duration, is normally associated with low pressure disturbances moving in a general southwest to northeast direction through the Ohio valley and south of the Cincinnati area.

Summers are warm and rather humid. The temperature will reach 100 degrees or more in 1 year out of 3. However, the temperature will reach 90 degrees or higher on about 19 days each year. Winters are moderately cold with frequent periods of extensive cloudiness.

The freeze free period lasts on the average 187 days from mid-April to the latter part of October.

7324

STATION LOCATION

CINCINNATI, OHIO
GREATER CINCINNATI AIRPORT

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Automatic Observing Equipment *	Remarks
Greater Cincinnati AP Donaldson Road Erlanger, Kentucky	3/15/47	7/20/75	13 mi. WSW from Lunken Airport #	39° 03'	84° 40'	869	46 a64 e20	33	33	NA	NA g31	30 b5 c5	30 b4 d4	NA f4	NA	# - Station at Lunken Airport operated by Weather Bureau 5/7/30 to 2/14/49 with exception of interruptions due to floods in 1937 and 1945. a - Effective 4/5/51. b - Effective 5/26/54. c - Minor move 3/18/58. d - Minor move 12/10/58. e - Moved to field 2/8/62. f - Commissioned 1980' S of thermometer site 4/24/62. g - Installed 12/18/73.
OKI Air Freight Bldg. Greater Cincinnati AP	7/20/75	6/15/76	0.4 mi. NNW	39° 04' i39° 03'	84° 40'	869	h20	5	5	NA	3	3	3	h4	NA	Temporary relocation due to fire. h - Not moved 7/20/75. i - Corrected value eff. 3/15/47.
Terminal "A" Greater Cincinnati AP	6/15/76	Present	0.4 mi. SSE	39° 03'	84° 40'	869	k20	NA	33	NA m36	3 p	4	3	k4 n4	NA	k - Not moved 6/15/76. m - Installed on roof 4/10/83. n - Type change 8/8/85. p - Removed 7/1987.

* Type
M = AMOS
T = AUTOB

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

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