

1997

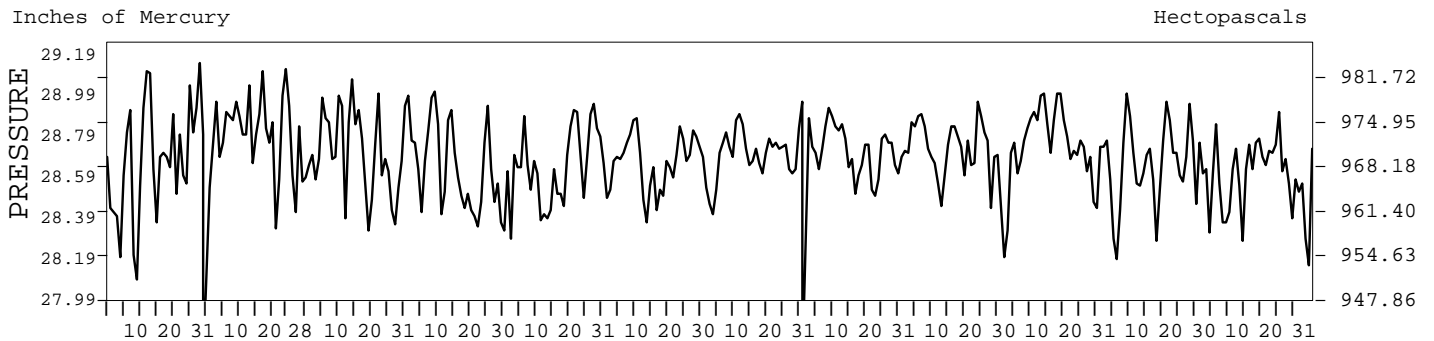
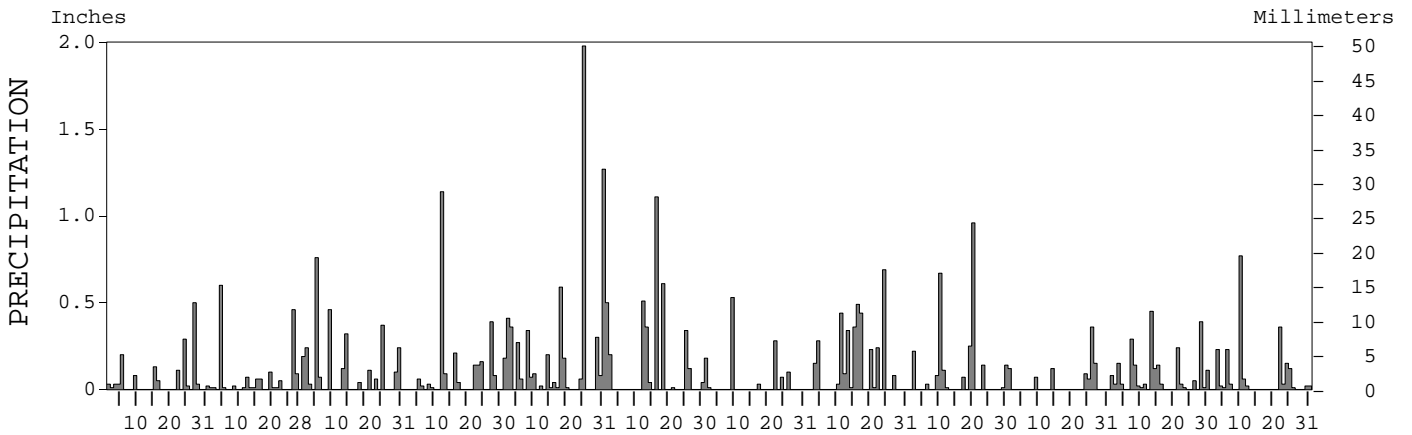
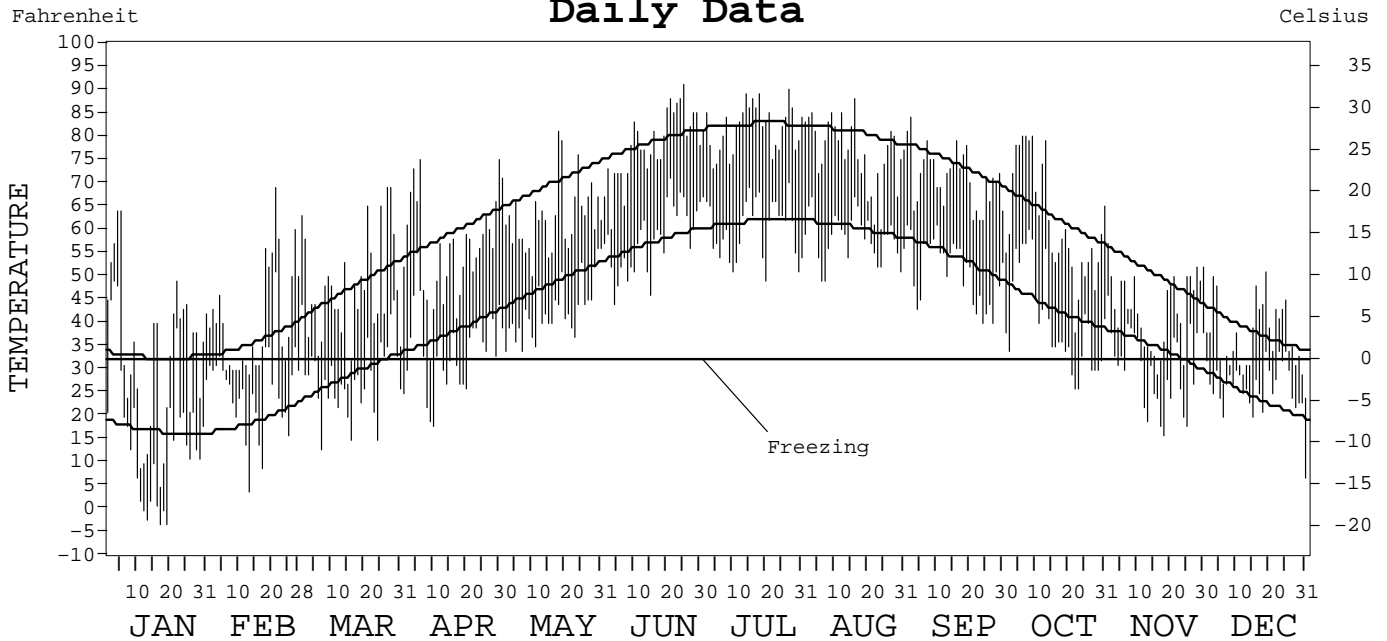
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-3881

AKRON,  
OHIO (CAK)

Daily Data



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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

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ACTING DIRECTOR

NATIONAL CLIMATIC DATA CENTER

# METEOROLOGICAL DATA FOR AKRON, OH (CAK)

LATITUDE: 40° 55' 00" N      LONGITUDE: 81° 26' 00" W      ELEVATION (FT): GRND: 1208      BARO: 1242      TIME ZONE: EASTERN (UTC+ 5)      WBAN: 14895

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	33.7	40.6	47.5	55.8	62.9	78.1	81.7	76.6	71.1	61.8	43.2	37.0	57.5	
	HIGHEST DAILY MAXIMUM	64	69	69	75	81	91	90	88	84	80	57	51	91	
	DATE OF OCCURRENCE	5 +	21	28+	30+	18	25	27	16	02	09+	01	19	JUN 25	
	MEAN DAILY MINIMUM	16.5	25.5	28.4	34.2	42.6	57.9	60.3	58.3	51.1	40.5	31.0	26.3	39.4	
	LOWEST DAILY MINIMUM	-3	4	13	18	34	44	49	49	40	26	16	7	-3	
	DATE OF OCCURRENCE	19+	13	07	10	07+	04	20	07+	27+	23+	18	31	JAN 19+	
	AVERAGE DRY BULB	25.1	33.1	38.0	45.0	52.8	68.0	71.0	67.5	61.1	51.2	37.1	31.7	48.5	
	MEAN WET BULB		30.5	34.6	40.1	48.0	61.9			56.9	46.6	35.1	29.5		
	MEAN DEW POINT		26.2	29.1	33.3	42.7	57.4			53.8	42.0	31.6	26.2		
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	1	1	0	0	0	0	0	0	2
	MAXIMUM ≤ 32°	13	11	2	1	0	0	0	0	0	0	3	10	40	
	MINIMUM ≤ 32°	27	23	22	12	0	0	0	0	0	7	16	28	135	
	MINIMUM ≤ 0°	5	0	0	0	0	0	0	0	0	0	0	0	5	
H/C	HEATING DEGREE DAYS	1230	888	828	590	373	43	2	35	136	442	832	1026	6425	
	COOLING DEGREE DAYS	0	0	0	0	0	139	196	118	25	23	0	0	501	
RH	MEAN (PERCENT)	77	77	72	66	72	71	70	77	79	73	81	82	75	
	HOUR 01 LST	79	80	78	72	82	82	81	82	89	84	84	85	82	
	HOUR 07 LST	82	82	80	81	79	81	85	89	93	88	88	86	84	
	HOUR 13 LST	74	72	64	55	58	59	54	63	62	58	73	76	64	
	HOUR 19 LST	75	76	68	61	67	62	61	74	75	67	81	82	71	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	3	1	0	1	1	2	1	3	1	1	2	2	18	
	THUNDERSTORMS	0	1	4	2	7	5	7	6	4	0	0	0	36	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	28.67	28.81	28.70	28.66	28.63	28.66		28.72	28.70	28.77	28.64	28.59		
	MEAN SEA-LEVEL PRESS. (IN.)			30.04	29.99	29.95	29.96			30.00	30.09	29.98	29.94		
WINDS	RESULTANT SPEED (MPH)		5.7	5.0	4.0	4.1	2.7		1.5	2.1	2.4	3.7	4.8		
	RES. DIR. (TENS OF DEGS.)		24	26	28	25	22		26	26	24	25	25		
	MEAN SPEED (MPH)	12.9	10.9	11.7	9.1	11.3	8.0		6.6	7.0	8.2	9.2	9.4		
	PREVAIL. DIR. (TENS OF DEGS.)	24	22	28	32	25	19	27	23	22	20	23	24	23	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	34	45	37	39	46	24	26	29	30	31	32	24	46	
	DIR. (TENS OF DEGS.)	22	20	22	27	23	20	25	30	24	25	31	31	23	
	DATE OF OCCURRENCE	09+	21	25	06	03	16	18	16	29	27	26	30+	MAY 03	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	44	56	47	46	54	32	33	38	37	39	39	31	56	
DIR. (TENS OF DEGS.)	27	23	22	27	25	21	25	29	23	25	30	01	23		
DATE OF OCCURRENCE	05	22	25	06	03	16	18	16	29	27	26	01	FEB 22		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.53	1.59	3.11	2.51	6.53	3.84	1.20	3.88	2.69	0.97	2.36	2.08	32.29	
	GREATEST 24-HOUR (IN.)	0.53	0.60	0.81	1.14	2.04	1.11	0.53	0.84	1.21	0.50	0.57	0.79	2.04	
	DATE OF OCCURRENCE	27-28	4	05-06	12	24-25	16	09	16-17	19-20	26-27	13-14	10-11	MAY 24-25	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	14	17	14	13	21	11	7	15	12	7	20	15	166	
PRECIPITATION ≥ 0.10	5	3	10	6	11	8	4	10	7	4	9	6	83		
PRECIPITATION ≥ 1.00	0	0	0	1	2	1	0	0	0	0	0	0	4		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)											2.4	6.5		
	GREATEST 24-HOUR (IN.)											1.4	3.4		
	DATE OF OCCURRENCE											15	06		
	MAXIMUM SNOW DEPTH (IN.)											1	4		
	DATE OF OCCURRENCE											16+	07+		
	NUMBER OF DAYS WITH:														
SNOWFALL ≥ 1.0											1	2			

# NORMALS, MEANS, AND EXTREMES

## AKRON, OH (CAK)

LATITUDE: 40° 55' 00" N      LONGITUDE: 81° 26' 00" W      ELEVATION (FT): GRND: 1208      BARO: 1242      TIME ZONE: EASTERN (UTC+ 5)      WBAN: 14895

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE	F														
	NORMAL DAILY MAXIMUM	30	32.6	35.9	47.3	59.1	69.7	78.5	82.3	80.4	73.7	62.1	49.7	37.7	59.1
	MEAN DAILY MAXIMUM	49	33.5	36.4	46.2	59.0	69.7	78.8	82.4	80.9	73.6	62.4	48.8	37.6	59.1
	HIGHEST DAILY MAXIMUM	49	70	69	81	88	93	100	101	98	99	86	80	76	101
	YEAR OF OCCURRENCE		1950	1997	1986	1986	1991	1988	1988	1953	1953	1952	1961	1982	JUL 1988
	MEAN OF EXTREME MAXS.	49	55.5	58.1	71.0	79.6	84.6	90.4	92.0	90.3	87.0	78.6	69.2	59.0	76.3
	NORMAL DAILY MINIMUM	30	16.9	18.9	28.6	37.9	48.2	57.0	61.5	60.1	53.7	42.7	34.2	23.6	40.3
	MEAN DAILY MINIMUM	49	18.2	19.8	27.7	37.8	47.9	57.1	61.4	60.0	53.0	42.5	33.2	23.4	40.2
	LOWEST DAILY MINIMUM	49	-25	-13	-3	10	24	32	43	41	32	20	-1	-16	-25
	YEAR OF OCCURRENCE		1994	1979	1980	1964	1966	1972	1988	1982	1956	1952	1958	1989	JAN 1994
	MEAN OF EXTREME MINS.	49	-3.4	-6	9.6	21.6	32.9	43.3	49.7	48.0	38.6	29.0	17.1	4.1	24.2
	NORMAL DRY BULB	30	24.8	27.4	38.0	48.5	59.0	67.8	71.9	70.3	63.7	52.4	42.0	30.7	49.7
	MEAN DRY BULB	49	25.9	28.1	36.9	48.4	58.9	67.9	71.9	70.4	63.4	52.4	41.0	30.5	49.6
	MEAN WET BULB	13	24.7	26.6	33.7	43.1	52.7	61.6	65.7	59.5	57.7	47.2	35.0	26.3	44.5
	MEAN DEW POINT	13	20.1	21.4	27.4	36.5	47.2	57.2	61.8	56.2	54.0	42.5	30.7	22.6	39.8
	NORMAL NO. DAYS WITH:														
	MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.0	0.3	1.7	3.5	1.5	0.3	0.0	0.0	0.0	7.3
MAXIMUM ≤ 32°	30	15.2	10.8	3.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.3	10.3	41.4	
MINIMUM ≤ 32°	30	28.3	24.0	20.9	9.5	1.0	*	0.0	0.0	0.0	3.4	14.0	25.2	126.3	
MINIMUM ≤ 0°	30	3.5	2.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.7	
H/C															
NORMAL HEATING DEG. DAYS	30	1246	1053	837	495	224	37	0	13	103	399	690	1063	6160	
NORMAL COOLING DEG. DAYS	30	0	0	0	0	38	121	217	177	64	8	0	0	625	
RH															
	NORMAL (PERCENT)	30	73	72	68	64	66	68	70	73	74	70	72	75	70
	HOUR 01 LST	30	76	75	73	70	74	79	81	84	83	78	76	77	77
	HOUR 07 LST	30	78	78	76	75	77	80	84	87	87	82	79	78	80
	HOUR 13 LST	30	68	65	60	54	54	55	56	58	59	57	65	70	60
HOUR 19 LST	30	72	69	64	58	59	60	62	66	70	67	71	74	66	
S															
PERCENT POSSIBLE SUNSHINE															
W/O															
	MEAN NO. DAYS WITH:														
HEAVY FOG (VISBY ≤ 1/4 MI)	49	2.7	2.7	2.3	1.5	1.5	1.4	1.6	2.5	2.3	2.2	1.8	2.9	25.4	
THUNDERSTORMS	49	0.3	0.4	2.1	3.8	5.5	7.2	7.4	5.7	3.2	1.4	0.8	0.3	38.1	
CLOUDINESS															
	MEAN:														
	SUNRISE-SUNSET (OKTAS)	0						5.6							
	MIDNIGHT-MIDNIGHT (OKTAS)	0													
MEAN NO. DAYS WITH:															
CLEAR	1	0.1		0.6		0.6	0.5								
PARTLY CLOUDY	1	0.3	0.1	0.3		0.2	0.8								
CLOUDY	1	0.7	0.3	0.7		1.0	0.9								
PR															
	MEAN STATION PRESSURE (IN)	25	28.70	28.70	28.70	28.70	28.70	28.70	28.70	28.80	28.79	28.80	27.59	28.70	28.63
MEAN SEA-LEVEL PRES. (IN)	13	30.10	30.10	30.06	29.97	30.01	30.00	30.02	27.75	30.08	30.10	27.94	27.96	29.51	
WINDS															
	MEAN SPEED (MPH)	49	11.6	11.1	11.3	10.8	9.2	8.4	7.8	7.5	8.2	9.3	11.1	11.5	9.8
	PREVAIL. DIR. (TENS OF DEGS)	24	24	24	27	23	23	22	23	23	18	18	24	24	23
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	2	38	45	39	39	46	31	28	33	30	43	33	37	46
	DIR. (TENS OF DEGS)		24	20	21	27	23	33	19	25	24	24	28	23	23
	YEAR OF OCCURRENCE		1996	1997	1996	1997	1997	1996	1996	1996	1997	1996	1996	1996	MAY 1997
MAXIMUM 5-SECOND:															
SPEED (MPH)	2	47	56	52	46	54	38	37	43	37	54	41	48	56	
DIR. (TENS OF DEGS)		24	23	22	27	25	04	32	23	23	24	28	23	23	
YEAR OF OCCURRENCE		1996	1997	1996	1997	1997	1996	1996	1996	1997	1996	1996	1996	FEB 1997	
PRECIPITATION															
	NORMAL (IN)	30	2.16	2.23	3.33	3.16	3.73	3.18	4.08	3.32	3.32	2.35	3.01	2.95	36.82
	MAXIMUM MONTHLY (IN)	49	8.70	5.24	8.83	6.46	9.60	8.42	11.43	8.19	9.02	8.42	9.39	6.72	11.43
	YEAR OF OCCURRENCE		1950	1956	1964	1981	1956	1989	1958	1974	1990	1954	1985	1990	JUL 1958
	MINIMUM MONTHLY (IN)	49	0.71	0.31	1.04	0.91	1.05	0.37	0.67	0.49	0.20	0.45	0.62	0.31	0.20
	YEAR OF OCCURRENCE		1961	1987	1958	1971	1977	1988	1991	1970	1960	1953	1976	1955	SEP 1960
	MAXIMUM IN 24 HOURS (IN)	49	2.99	2.57	3.29	2.01	3.18	2.87	4.18	3.99	6.30	2.77	2.66	1.86	6.30
YEAR OF OCCURRENCE		1959	1959	1964	1987	1985	1970	1958	1994	1979	1954	1985	1991	SEP 1979	
NORMAL NO. DAYS WITH:															
PRECIPITATION ≥ 0.01	30	15.4	14.4	15.7	13.5	13.2	11.2	10.8	9.9	10.0	10.7	14.1	16.1	155.0	
PRECIPITATION ≥ 1.00	30	0.1	0.2	0.2	0.5	0.4	0.5	0.9	0.8	0.6	0.3	0.4	0.4	5.3	
SNOWFALL															
	NORMAL (IN)	30	13.0	10.4	8.5	2.9	0.2	0.0	0.0	0.0	0.0	0.4	3.8	10.0	49.2
	MAXIMUM MONTHLY (IN)	49	37.5	21.1	20.9	20.9	3.2	T	0.0	0.0	T	6.8	22.3	29.4	37.5
	YEAR OF OCCURRENCE		1978	1984	1960	1987	1966	1995			1965	1952	1950	1974	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	49	10.9	12.3	10.7	19.7	3.2	T	0.0	0.0	T	4.4	7.4	17.9	19.7
	YEAR OF OCCURRENCE		1966	1984	1973	1987	1966	1995			1965	1993	1950	1974	APR 1987
	MAXIMUM SNOW DEPTH (IN)	48	16	80	17	13	1	0	0	0	0	3	16	20	80
YEAR OF OCCURRENCE		1978	1961	1984	1987	1966					1952	1950	1974	FEB 1961	
NORMAL NO. DAYS WITH:															
SNOWFALL ≥ 1.0	30	4.5	3.1	2.6	0.8	0.1	0.0	0.0	0.0	0.0	0.1	1.2	3.0	15.4	

PRECIPITATION (inches) 1997 AKRON, OHIO (CAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	2.88	0.48	2.71	2.35	6.54	2.40	4.13	1.61	3.25	1.38	3.86	3.88	35.47
1969	2.57	0.88	1.91	3.88	3.78	2.94	6.08	1.68	1.51	2.15	2.85	2.73	32.96
1970	1.48	1.84	2.46	3.94	3.30	7.06	4.22	0.49	3.46	4.24	3.11	2.63	38.23
1971	1.75	3.89	2.41	0.91	2.65	4.61	2.65	2.86	3.06	1.07	2.02	4.32	32.20
1972	1.33	2.35	4.09	3.96	2.88	3.20	7.26	3.20	6.47	1.54	4.27	3.33	43.88
1973	1.67	2.33	4.36	3.45	3.97	3.62	3.88	2.01	2.09	4.60	2.43	2.38	36.79
1974	2.93	1.85	5.68	2.50	4.85	2.74	2.42	8.19	1.81	1.51	3.41	4.32	42.21
1975	3.79	3.58	3.45	1.76	3.57	2.76	2.22	7.47	5.27	2.57	1.67	2.88	40.99
1976	3.16	2.99	3.49	1.64	1.15	3.94	9.00	2.01	3.90	2.31	0.62	1.42	35.63
1977	1.24	1.13	3.62	4.12	1.05	5.43	4.75	4.58	3.72	2.04	4.19	4.09	39.96
1978	3.69	0.48	2.54	2.21	4.41	3.31	2.76	4.14	1.98	2.58	1.06	4.20	33.36
1979	3.17	2.11	1.74	3.58	5.06	2.48	1.96	4.28	7.85	1.51	3.13	2.44	39.31
1980	1.58	1.64	4.71	2.97	5.42	3.76	5.43	4.94	1.76	1.86	1.94	2.15	38.16
1981	0.80	4.63	1.95	6.46	4.84	5.76	4.13	1.47	3.20	1.66	1.92	3.35	40.17
1982	4.71	1.80	3.81	1.18	3.13	4.23	2.13	1.47	2.98	0.85	4.94	3.45	34.68
1983	1.58	1.38	3.76	5.13	4.53	2.03	3.38	3.06	2.73	3.22	4.16	3.43	38.39
1984	1.15	3.02	3.00	2.82	5.44	1.64	3.02	3.77	2.62	2.66	3.41	2.58	35.13
1985	1.33	1.80	4.64	1.14	6.49	2.72	2.56	3.47	0.72	1.55	9.39	2.80	38.61
1986	1.38	3.17	2.07	1.83	2.11	3.05	3.70	1.24	3.51	3.23	3.41	2.81	31.51
1987	2.05	0.31	2.87	4.02	2.61	3.83	2.85	3.96	2.11	1.99	1.38	2.33	30.31
1988	1.15	2.69	2.11	2.82	1.88	0.37	5.05	3.89	4.92	2.63	3.88	1.83	33.22
1989	2.23	2.11	3.86	2.46	5.98	8.42	2.83	1.13	3.38	2.45	2.49	1.98	39.32
1990	2.18	5.01	1.27	5.12	7.28	3.60	10.03	6.26	9.02	7.10	2.11	6.72	65.70
1991	2.44	1.96	2.66	3.04	1.49	0.81	0.67	1.70	2.50	1.49	1.99	3.33	24.08
1992	1.94	1.97	3.87	3.72	3.02	1.59	10.94	4.96	3.71	2.07	5.10	2.25	45.14
1993	4.03	1.92	3.99	3.96	1.36	5.46	1.86	1.66	3.95	4.43	5.85	2.76	41.23
1994	3.53	1.61	3.38	5.95	3.50	2.99	3.07	7.54	1.74	1.07	3.15	2.98	40.51
1995	4.87	1.36	1.67	3.24	6.38	3.70	2.12	2.67	1.11	4.80	1.78	1.95	35.65
1996	3.80	2.12	2.84	5.60	4.68	6.63	3.40	1.78	5.73	3.60	2.72	4.02	46.92
1997	1.53	1.59	3.11	2.51	6.53	3.84	1.20	3.88	2.69	0.97	2.36	2.08	32.29
POR= 110 YRS	2.57	2.20	3.11	3.19	3.83	3.61	3.88	3.30	3.22	2.50	2.60	2.51	36.52

WBAN : 14895

AVERAGE TEMPERATURE (°F) 1997 AKRON, OHIO (CAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1968	23.0	23.4	40.1	52.2	57.1	69.8	72.9	72.9	66.4	54.6	42.9	30.4	50.5
1969	27.5	30.4	33.9	50.1	59.0	65.9	72.1	70.2	62.5	52.2	39.1	26.9	49.2
1970	19.6	26.5	33.4	50.1	62.1	68.8	71.9	71.5	67.6	56.3	42.7	32.0	50.2
1971	22.6	30.4	34.3	46.3	57.3	71.6	71.0	68.3	66.7	58.7	38.5	35.7	50.1
1972	25.7	24.0	32.6	45.4	59.2	63.2	71.2	69.8	64.5	49.6	39.6	35.6	48.4
1973	29.8	27.5	47.5	49.9	57.2	71.0	73.1	72.5	65.7	57.1	45.3	32.9	52.5
1974	30.7	27.1	39.3	51.8	58.1	66.3	71.9	71.1	60.1	50.7	43.5	31.5	50.2
1975	32.0	31.2	36.0	43.9	63.2	69.5	72.7	73.2	58.9	53.9	47.5	33.4	51.3
1976	23.0	36.8	43.3	49.2	55.2	68.6	68.4	66.3	59.8	46.6	33.2	23.6	47.8
1977	11.4	27.0	44.7	54.0	65.7	66.0	74.8	71.3	64.8	49.9	43.7	28.3	50.1
1978	19.1	15.9	32.2	47.0	58.6	67.8	70.5	72.1	68.2	50.1	42.5	32.6	48.1
1979	19.8	16.8	41.9	46.6	56.7	66.2	69.3	69.2	63.1	50.8	42.6	33.1	48.0
1980	26.8	23.3	34.9	47.4	60.5	63.9	72.6	74.5	65.8	48.6	39.4	29.5	48.9
1981	21.3	31.9	36.0	51.9	58.5	69.8	71.7	70.6	62.8	50.4	43.5	30.7	49.9
1982	20.1	27.7	37.6	45.4	66.1	64.7	73.4	68.2	62.4	55.0	45.0	40.0	50.5
1983	28.8	32.8	41.7	47.3	56.7	68.4	75.0	73.8	65.4	54.0	44.5	24.7	51.1
1984	22.2	36.2	30.0	48.5	54.7	70.5	69.8	70.1	60.2	56.7	40.1	37.1	49.7
1985	19.7	24.8	40.7	53.6	60.6	63.1	70.7	69.3	65.3	54.2	45.5	24.3	49.3
1986	26.3	29.1	39.6	51.7	61.2	67.3	72.8	68.9	66.3	53.4	39.1	31.7	50.6
1987	26.8	30.9	40.2	49.4	62.2	69.8	74.4	70.6	63.4	46.8	44.7	33.9	51.1
1988	24.6	26.8	37.3	47.6	60.4	68.0	76.2	73.5	62.8	45.7	42.7	29.8	49.6
1989	34.2	25.3	39.6	45.4	57.0	67.5	73.0	70.1	63.0	52.3	39.2	18.2	48.7
1990	34.9	34.2	42.1	49.3	55.9	66.7	70.3	69.1	62.8	53.5	44.4	35.5	51.6
1991	27.8	33.4	42.7	54.0	68.7	72.8	75.5	73.0	63.6	54.3	38.7	33.2	53.1
1992	29.0	32.4	36.0	48.1	57.5	64.5	70.8	66.5	61.9	48.7	40.8	33.0	49.1
1993	31.4	25.0	35.2	47.9	59.3	67.3	74.2	73.9	61.2	50.0	41.0	29.5	49.7
1994	18.4	26.2	35.9	50.5	54.8	69.8	72.7	68.8	62.9	53.0	46.1	36.4	49.6
1995	28.3	24.7	39.8	46.7	58.3	70.8	73.6	75.7	61.0	53.6	35.5	24.7	49.4
1996	23.9	26.7	31.8	46.6	56.9	68.9	69.0	70.1	62.8	52.0	34.4	34.3	48.1
1997	25.1	33.1	38.0	45.0	52.8	68.0	71.0	67.5	61.1	51.2	37.1	31.7	48.5
POR= 110 YRS	26.5	27.5	36.7	48.1	59.0	68.2	72.4	70.6	64.1	52.6	40.7	30.3	49.7

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HEATING DEGREE DAYS (base 65°F) 1997 AKRON, OHIO (CAK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	9	19	48	338	655	1067	1156	963	959	441	215	81	5951
1969-70	1	6	133	401	768	1172	1402	1073	972	458	161	33	6580
1970-71	10	2	61	281	664	1015	1309	962	946	554	248	9	6061
1971-72	0	18	68	202	786	899	1214	1182	999	581	184	110	6243
1972-73	25	16	84	470	755	905	1082	1043	538	455	243	1	5617
1973-74	2	12	78	240	587	988	1059	1059	790	402	241	45	5503
1974-75	0	0	169	438	637	1029	1015	940	895	626	122	38	5909
1975-76	2	1	183	344	519	971	1293	811	666	484	308	24	5606
1976-77	15	56	171	564	948	1272	1656	1057	627	354	105	82	6907
1977-78	4	21	68	458	632	1130	1413	1366	1013	533	247	51	6936
1978-79	9	0	58	456	670	997	1397	1348	712	550	288	62	6547
1979-80	35	28	118	444	664	981	1179	1202	925	520	168	95	6359
1980-81	1	3	79	500	763	1093	1351	920	889	384	222	15	6220
1981-82	6	6	138	444	638	1058	1386	1037	844	583	54	53	6247
1982-83	5	32	129	318	596	770	1113	896	715	527	261	45	5407
1983-84	10	0	103	338	608	1244	1321	831	1078	493	323	7	6356
1984-85	7	16	180	254	740	860	1397	1119	746	371	174	82	5946
1985-86	3	5	116	329	578	1254	1192	999	783	403	158	53	5873
1986-87	2	43	70	361	770	1023	1178	945	765	466	160	32	5815
1987-88	2	23	88	558	606	957	1243	1103	853	515	175	67	6190
1988-89	8	11	95	599	659	1083	949	1106	784	583	280	38	6195
1989-90	3	13	124	391	764	1444	923	856	707	494	280	69	6068
1990-91	14	3	130	352	611	909	1143	880	684	349	76	4	5155
1991-92	0	0	139	345	782	978	1111	939	893	509	251	76	6023
1992-93	7	38	145	497	717	986	1036	1116	914	506	192	56	6210
1993-94	2	1	161	458	715	1093	1438	1081	892	437	324	42	6644
1994-95	0	21	100	365	560	878	1131	1122	775	540	217	12	5721
1995-96	7	0	141	348	880	1244	1266	1104	1022	547	294	25	6878
1996-97	17	3	116	395	910	942	1230	888	828	590	373	43	6335
1997-	2	35	136	442	832	1026							

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COOLING DEGREE DAYS (base 65°F) 1997 AKRON, OHIO (CAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1969	0	0	0	3	36	115	225	179	63	11	0	0	632
1970	0	0	0	17	79	152	231	210	146	18	0	0	853
1971	0	0	0	0	15	217	196	130	123	13	0	0	694
1972	0	0	0	0	13	63	223	169	77	0	0	0	545
1973	0	0	0	9	5	188	259	252	104	5	0	0	822
1974	0	0	0	13	33	90	222	196	29	1	1	0	585
1975	0	0	0	0	74	179	250	260	5	7	0	0	775
1976	0	0	0	16	14	139	132	101	22	0	0	0	424
1977	0	0	5	30	131	118	314	223	71	0	0	0	892
1978	0	0	0	0	54	143	185	226	159	0	0	0	767
1979	0	0	0	5	36	106	173	166	68	10	0	0	564
1980	0	0	0	0	37	69	244	306	109	0	0	0	765
1981	0	0	0	1	26	166	223	187	78	1	0	0	682
1982	0	0	0	3	97	52	272	140	59	14	3	3	643
1983	0	0	0	2	11	153	326	279	122	5	0	0	898
1984	0	0	0	3	12	179	163	180	43	4	0	0	584
1985	0	0	0	36	44	32	186	149	134	1	1	0	583
1986	0	0	2	13	47	131	249	169	119	10	0	0	740
1987	0	0	0	5	84	184	298	203	48	0	1	0	823
1988	0	0	0	0	38	163	362	283	35	6	0	0	887
1989	0	0	5	0	40	121	257	176	70	4	0	0	673
1990	0	0	7	30	5	128	187	137	70	3	0	0	567
1991	0	0	0	25	198	245	335	255	106	21	0	0	1185
1992	0	0	0	7	25	68	195	93	58	0	0	0	446
1993	0	0	0	0	22	129	295	285	57	0	0	0	788
1994	0	0	0	10	15	193	248	142	44	0	0	0	652
1995	0	0	0	0	15	191	281	339	25	2	0	0	853
1996	0	0	0	1	47	152	147	172	55	0	0	0	574
1997	0	0	0	0	0	139	196	118	25	23	0	0	501

SNOWFALL (inches) 1997 AKRON, OHIO (CAK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1967-68	0.0	0.0	0.0	T	8.8	4.4	16.6	6.6	4.1	0.1	0.0	0.0	40.6
1968-69	0.0	0.0	0.0	0.2	2.4	11.1	4.8	5.8	5.9	T	0.0	0.0	30.2
1969-70	0.0	0.0	0.0	0.5	4.7	17.1	12.0	8.4	10.5	0.2	T	0.0	53.4
1970-71	0.0	0.0	0.0	0.0	0.7	4.4	9.0	15.7	15.1	T	T	0.0	44.9
1971-72	0.0	0.0	0.0	0.0	10.8	2.1	7.5	14.7	10.5	1.1	0.0	0.0	46.7
1972-73	0.0	0.0	0.0	0.5	2.9	6.5	3.9	9.9	10.8	2.6	T	0.0	37.1
1973-74	0.0	0.0	0.0	0.0	0.7	8.8	8.3	8.7	8.0	3.9	T	0.0	38.4
1974-75	0.0	0.0	0.0	3.5	6.0	29.4	8.8	10.5	11.9	2.6	0.0	0.0	72.7
1975-76	0.0	0.0	0.0	0.0	3.9	4.8	25.1	9.8	4.8	2.7	T	0.0	51.1
1976-77	0.0	0.0	0.0	0.4	7.0	7.4	19.5	5.6	1.0	1.5	0.0	0.0	42.4
1977-78	0.0	0.0	0.0	T	10.0	19.3	37.5	9.1	6.0	0.1	0.0	0.0	82.0
1978-79	0.0	0.0	0.0	0.0	1.1	4.5	21.9	14.5	3.1	1.6	0.0	0.0	46.7
1979-80	0.0	0.0	0.0	0.4	1.6	5.1	8.5	12.2	6.0	0.4	T	0.0	34.2
1980-81	0.0	0.0	0.0	T	7.0	11.0	13.0	9.3	12.0	T	0.0	0.0	52.3
1981-82	0.0	0.0	0.0	T	1.4	19.0	17.8	5.3	10.4	7.8	0.0	0.0	61.7
1982-83	0.0	0.0	0.0	T	2.4	14.2	4.7	8.9	7.6	1.0	0.0	0.0	38.8
1983-84	0.0	0.0	0.0	0.0	4.4	8.8	10.5	21.1	12.5	0.2	0.0	0.0	57.5
1984-85	0.0	0.0	0.0	0.0	2.6	7.8	20.9	12.4	1.2	5.3	0.0	0.0	50.2
1985-86	0.0	0.0	0.0	0.0	T	10.7	9.5	7.6	5.3	2.6	0.0	0.0	35.7
1986-87	0.0	0.0	0.0	0.0	5.4	0.8	11.0	1.8	9.8	20.9	0.0	0.0	49.7
1987-88	0.0	0.0	0.0	T	2.7	13.3	7.7	8.1	16.7	0.4	0.0	0.0	48.9
1988-89	0.0	0.0	0.0	0.2	1.6	8.0	4.1	5.4	11.4	3.2	1.5	0.0	35.4
1989-90	0.0	0.0	0.0	3.7	2.5	13.2	11.5	6.3	0.5	3.9	0.0	0.0	41.6
1990-91	0.0	0.0	0.0	T	0.3	7.4	7.4	10.3	2.1	0.1	0.0	T	27.6
1991-92	0.0	0.0	0.0	T	6.6	5.3	12.4	5.7	14.0	4.2	T	0.0	48.2
1992-93	0.0	0.0	0.0	0.5	5.3	8.1	5.8	16.3	14.6	1.2	0.0	0.0	51.8
1993-94	0.0	0.0	0.0	6.6	2.3	11.7	23.5	12.7	6.1	2.4	T	0.0	65.3
1994-95	0.0	0.0	0.0	0.0	1.8	0.7	12.3	3.9	4.8	0.4	0.0	T	23.9
1995-96	0.0	0.0	0.0	0.0		14.9	18.7	6.4					
1997-					2.4	6.5							
POR= 48 YRS	0.0	0.0	T	0.6	4.5	9.8	11.5	9.2	8.6	2.5	0.1	T	46.8

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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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1997  
AKRON,  
OHIO (CAK)

The station at the Akron-Canton Airport is located about midway between Akron and Canton, a few miles south of the crest separating the Lake Erie and Muskingum River drainage areas. Precipitation at the station and southward drains through the Muskingum River into the Ohio, while northward of the crest the Cuyahoga and other streams flow into Lake Erie. The terrain is rolling with highest elevations near 1,300 feet above sea level and many small lakes provide water for local industry as well as recreational facilities for the densely populated region. The area is mainly industrial, agricultural operations having diminished rapidly in recent years.

Lake Erie has considerable influence on the area weather, tempering cold air masses during the late fall and winter, as well as contributing to the formation of brief, but heavy snow squalls until the lake freezes over.

The arrival of spring is late in this area, but has the good effect of retarding plant growth and allowing growing of normally frost-susceptible fruits. Summers are moderately warm, but quite humid, while the months of September, October, and sometimes November are usually pleasant although with considerable morning fog. The average last occurrence of freezing temperatures in spring is the end of April, and the first occurrence in fall is late October. In past years, growing seasons for most vegetation has varied from 120 to 211 days. Temperatures and occurrences of frost vary widely over the area because of the hilly terrain. Due to the influence of Lake Erie, snowfall is usually much heavier north of the station.

## STATION LOCATION

AKRON, OHIO

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE												REMARKS	
						SEA LEVEL	GROUND												
							GEOGRAPHIC ELEVATION	WIND SPEED	EXPOSED	MEMORIALIZED	SUSPENDED	RAIN GAGE	WEIGHING	RAIN GAGE	8 INCH	H	M		A
<b>COOPERATIVE</b>																			
University of Akron (Buchtel College, 302 E. Buchtel)	3/8/87	10/31/32	NA	41°04'	81°32'	Apprx 1000		4						4					
<b>AKRON AIRPORT</b>																			
Municipal Airport Triplett & Massillon Rd 4 miles SE Main Post Office	8/13/28	4/30/33	NA	41°02'	81°27'	1044	45	4						4					
Municipal Airport Triplett & Massillon Rd	5/1/33	11/21/37	A				45	30			25			25				A - Instrument changes and relocations only.	
Municipal Airport Triplett & Massillon Rd	11/22/37	11/30/52	A				65	4	4		4			4					
<b>AKRON-CANTON AP.</b>																			
Service Building Akron-Canton Airport on Lauby Road	7/1/48	10/25/61	8 mi. SSE of Municipal Apt.	40°55'	81°26'	1210	37	4	4		4			4					
Terminal Building Akron-Canton Airport	10/26/61	Present	475 ft. SW	40°55'	81°26'	1209 bl208	106 a20	5 d	5 d e45	NA	NA	4 f45	NA	NA c5 g5	NA			a - Effective 2/19/62. b - Effective 6/28/63. c - Commissioned 1960' WNW of office 6/28/63. d - Removed 12/1966. e - Installed 12/1971. f - Moved to roof 10/7/68. g - Type change 7/11/85. S ASOS Commissioned 09/01/95	

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801. **INQUIRIES/COMMENTS CALL: (704) 271-4800**

National Climatic Data Center  
151 Patton Avenue, Rm 120  
Asheville NC 28801-5001

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