

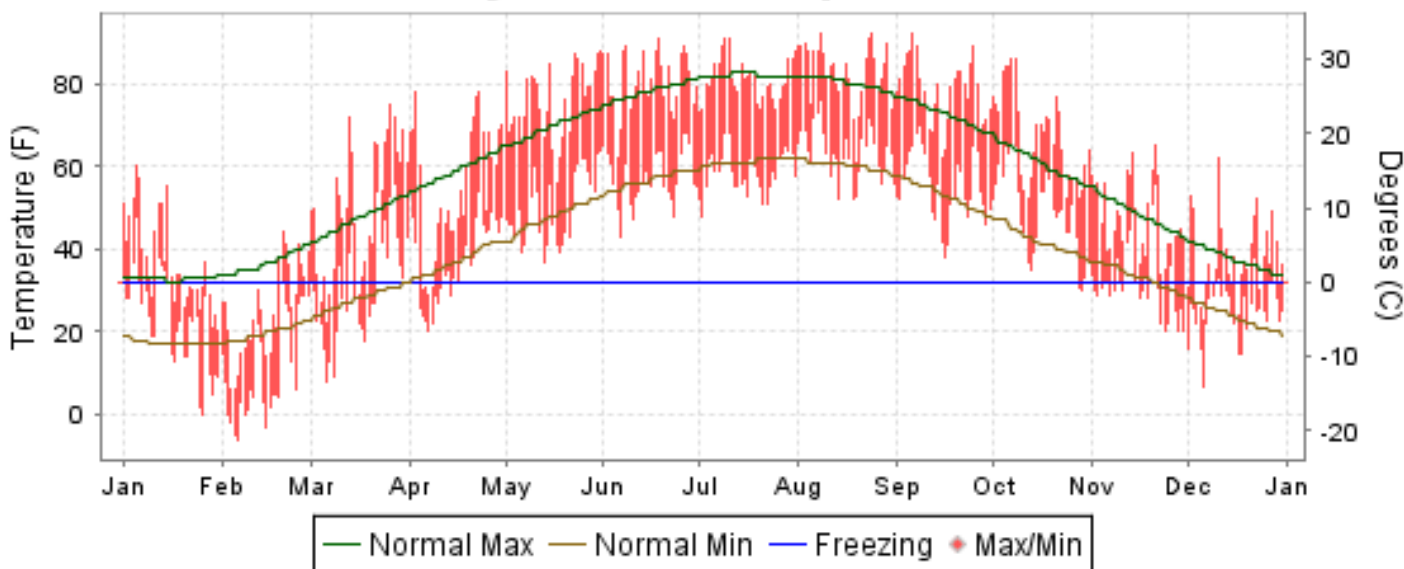


2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

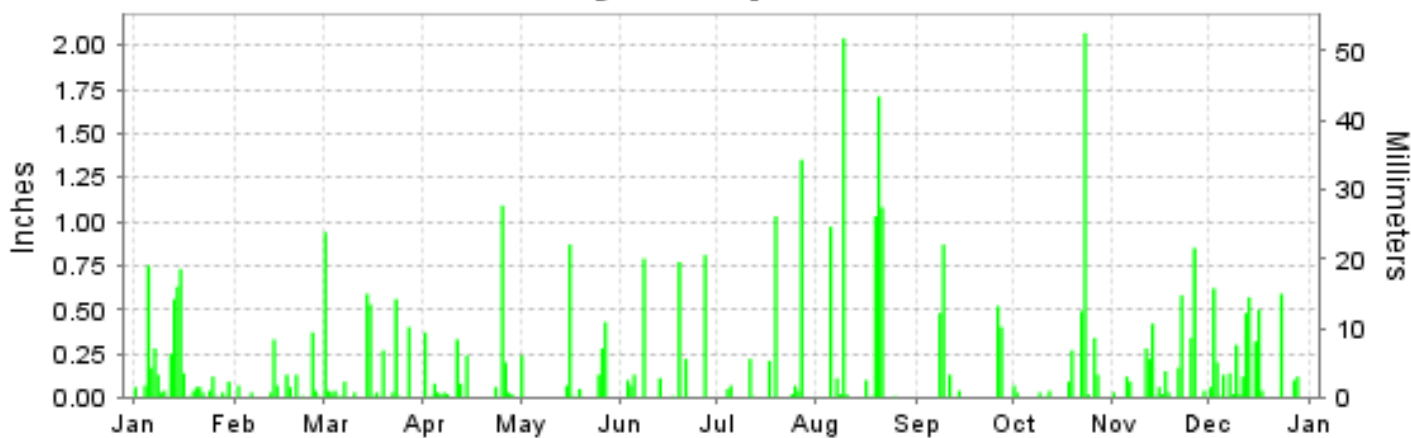
ISSN 0198-3873

AKRON, OHIO (KCAK)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
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NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2007

AKRON (KCAK)

LATITUDE: 40° 55'N LONGITUDE: -81° 26'W ELEVATION (FT): GRND: 1208 BARO: 1274 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	37.0	24.9	50.7	55.4	75.8	80.6	81.0	82.7	78.0	67.4	47.8	37.9	59.9	
	HIGHEST DAILY MAXIMUM	60	44	75	78	88	91	91	92	92	86	65	62	92	
	DATE OF OCCURRENCE	05	20	26	23+	31	18	10+	24+	06	08+	21	11	SEP 06	
	MEAN DAILY MINIMUM	22.6	10.6	30.9	37.5	49.9	57.2	58.5	63.5	55.2	48.9	32.1	25.0	41.0	
	LOWEST DAILY MINIMUM	0	-6	8	20	37	43	48	52	38	30	20	7	-6	
	DATE OF OCCURRENCE	26	06	19+	07	13	06	02	18+	16	29	30+	06	FEB 06	
	AVERAGE DRY BULB	29.8	17.8	40.8	46.5	62.9	68.9	69.8	73.1	66.6	58.2	40.0	31.5	50.5	
	MEAN WET BULB	28.3	16.6	36.2	40.6	53.9	60.8	61.7	66.7	59.4	52.6	36.6			
	MEAN DEW POINT	24.2	11.3	29.0	33.7	45.6	55.2	56.3	62.9	54.4	47.8	31.8			
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	1	2	5	1	0	0	0	0	9
	MAXIMUM <= 32°	13	20	4	4	0	0	0	0	0	0	0	10	51	
MINIMUM <= 32°	24	28	18	10	0	0	0	0	0	2	21	29	132		
MINIMUM <= 0°	1	6	0	0	0	0	0	0	0	0	0	0	7		
H/C	HEATING DEGREE DAYS	1083	1317	741	550	140	30	7	11	67	255	741	1033	5975	
	COOLING DEGREE DAYS	0	0	0	1	81	155	163	271	122	51	0	0	844	
RH	MEAN (PERCENT)	78	73	66	65	57	64	65	73	68	71	74	79	69	
	HOUR 01 LST	82	77	72	74	70	77	78	83	81	79	82	80	78	
	HOUR 07 LST	83	79	71	70	60	69	72	80	79	80	83	83	76	
	HOUR 13 LST	73	66	58	56	41	47	48	59	49	56	61	72	57	
	HOUR 19 LST	77	72	63	64	55	62	60	73	69	71	72	79	68	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	0	5	1	1	0	0	0	0	0	0	0	9	
	THUNDERSTORMS	0	0	1	2	6	7	5	6	4	1	1	0	33	
CLOUDNESS	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.)	28.64	28.67	28.79	28.59	28.84	28.69	28.69	28.70	28.81	28.74	28.72	28.73	28.72	
	MEAN SEA-LEVEL PRESS. (IN.)	30.01	30.05	30.14	29.93	30.12	29.99	29.98	29.99	30.12	30.06	30.08	30.09	30.05	
WINDS	RESULTANT SPEED (MPH)	7.6	6.2	1.7	4.2	0.5	0.7	1.9	1.5	2.2	4.5	5.2	3.7	2.9	
	RES. DIR. (TENS OF DEGS.)	23	24	24	27	07	24	25	23	18	19	22	20	23	
	MEAN SPEED (MPH)	11.7	10.9	10.7	12.0	7.9	7.4	7.4	6.1	6.3	8.4	9.5	9.5	9.0	
	PREVAIL.DIR.(TENS OF DEGS.)	26	26	21	26	03	01	01	20	19	16	26	22	26	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	32	36	39	39	32	33	24	38	40	26	29	38	40	
	DIR. (TENS OF DEGS.)	25	24	21	31	26	24	32	26	21	20	23	20	21	
	DATE OF OCCURRENCE	06	03	02	16	25	21	19	09	26	19	06	23	SEP 26	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	41	43	45	51	40	46	35	58	47	32	38	48	58	
DIR. (TENS OF DEGS.)	25	24	22	28	22	28	34	22	21	25	23	20	22		
DATE OF OCCURRENCE	06	03	02	16	01	08	19	09	26	20	06	23	AUG 09		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	4.34	1.28	3.62	2.61	2.08	3.01	3.07	7.10	2.44	3.59	3.41	4.34	40.89	
	GREATEST 24-HOUR (IN.)	1.04	0.40	1.01	1.09	0.94	0.81	1.38	2.76	0.89	2.56	1.15	0.73	2.76	
	DATE OF OCCURRENCE	14-15	25-26	14-15	25	15-16	27	26-27	20-21	08-09	22-23	25-26	02-03	AUG 20-21	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	24	12	17	15	8	9	10	11	6	12	16	18	158	
PRECIPITATION 0.10	10	4	6	5	5	7	4	7	5	5	9	13	80		
PRECIPITATION 1.00	0	0	0	1	0	0	2	4	0	1	0	0	8		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	11.8	13.9	5.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	13.3	47.4	
	GREATEST 24-HOUR (IN.)	2.3	5.3	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.0	5.3	
	DATE OF OCCURRENCE	25	13	07	14							16+	15	FEB 13	
	MAXIMUM SNOW DEPTH (IN.)	3	8	1	1	0	0	0	0	0	0	T	4	8	
	DATE OF OCCURRENCE	26+	18	17+	08+							23+	17+	FEB 18	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	4	5	2	0	0	0	0	0	0	0	0	5	16		

NORMALS, MEANS, AND EXTREMES AKRON (KCAK)

LATITUDE:
40 ° 55'N

LONGITUDE:
-81 ° 26'W

ELEVATION (FT):
GRND: 1208 BARO: 1274

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	32.9	36.8	47.5	59.0	69.8	78.2	82.3	80.3	72.8	61.1	48.7	37.7	58.9
	MEAN DAILY MAXIMUM	59	33.7	36.6	46.2	59.2	69.8	78.5	82.4	80.8	73.7	62.2	49.2	37.5	59.2
	HIGHEST DAILY MAXIMUM	59	70	72	81	88	93	100	101	98	99	86	80	76	101
	YEAR OF OCCURRENCE		1950	2000	1986	1986	1991	1988	1988	1953	1953	2007	1961	1982	JUL 1988
	MEAN OF EXTREME MAXS.	59	56.1	58.3	71.1	79.4	84.6	90.2	91.7	90.2	86.8	78.6	69.1	59.0	76.3
	NORMAL DAILY MINIMUM	30	17.4	19.8	27.9	37.1	47.8	56.8	61.3	60.2	53.1	42.1	33.4	23.6	40.0
	MEAN DAILY MINIMUM	59	18.7	20.2	27.9	38.1	48.1	57.1	61.5	60.2	53.1	42.5	33.4	23.6	40.4
	LOWEST DAILY MINIMUM	59	-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.	59	-2.3	0.6	9.7	22.3	33.4	43.1	49.9	48.3	38.8	29.1	17.3	4.6	24.6
	NORMAL DRY BULB	30	25.2	28.3	37.7	48.1	58.8	67.5	71.8	70.3	63.0	51.6	41.1	30.7	49.5
	MEAN DRY BULB	59	26.2	28.4	37.1	48.7	59.0	68.0	72.0	70.5	63.4	52.4	41.3	30.6	49.8
	MEAN WET BULB	24	24.8	26.5	33.3	43.0	52.7	61.4	65.2	64.4	57.8	47.2	37.8	28.5	45.2
	MEAN DEW POINT	24	21.3	22.4	28.5	37.6	48.6	58.0	62.0	61.6	54.9	43.6	34.2	25.1	41.5
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	1.3	3.7	1.7	0.3	0.0	0.0	0.0	7.3
	MAXIMUM <= 32	30	14.4	10.7	3.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.7	9.4	40.1
MINIMUM <= 32	30	28.0	23.2	20.3	9.1	0.5	*	0.0	0.0	0.0	3.4	14.8	25.0	124.3	
MINIMUM <= 0	30	2.8	1.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	5.6	
H/C	NORMAL HEATING DEG. DAYS	30	1220	1026	836	498	219	50	6	16	120	412	704	1047	6154
	NORMAL COOLING DEG. DAYS	30	0	0	1	7	41	136	231	189	69	4	0	0	678
RH	NORMAL (PERCENT)	30	76	74	68	64	67	71	72	75	76	73	74	77	72
	HOURLY 01 LST	30	78	77	73	71	76	81	83	85	84	79	77	78	79
	HOURLY 07 LST	30	80	80	77	75	78	81	85	88	88	84	80	80	81
	HOURLY 13 LST	30	71	66	60	54	55	57	57	60	61	59	66	71	61
	HOURLY 19 LST	30	74	71	64	58	59	62	63	68	72	69	72	75	67
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	44	2.5	2.5	2.2	1.2	1.5	1.2	1.6	2.5	2.2	2.0	1.9	2.7	24.0
	THUNDERSTORMS	59	0.3	0.4	1.9	3.7	5.8	7.2	7.4	5.8	3.4	1.3	0.8	0.3	38.3
CLOUDNESS	MEAN: SUNRISE-SUNSET (OKTAS)							5.6							
	MIDNIGHT-MIDNIGHT (OKTAS)														
	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)	24	28.77	28.73	28.70	28.66	28.69	28.69	28.71	28.75	28.76	28.76	28.75	28.75	28.73
	MEAN SEA-LEVEL PRES. (IN)	24	30.11	30.09	30.05	29.98	30.00	29.99	30.01	30.04	30.07	30.09	30.09	30.10	30.05
WINDS	MEAN SPEED (MPH)	24	11.1	10.6	10.6	10.1	8.8	7.9	7.4	7.0	7.7	8.7	10.2	10.5	9.2
	PREVAIL.DIR(TENS OF DEGS)	34	25	26	28	24	24	23	24	24	19	19	20	25	25
	MAXIMUM 2-MINUTE: SPEED (MPH)	12	40	45	49	40	46	67	47	51	40	43	46	48	67
	DIR. (TENS OF DEGS)		35	20	26	22	23	31	25	17	21	26	26	24	31
	YEAR OF OCCURRENCE		2006	1997	2002	2001	1997	1998	2005	2002	2007	2001	2003	2000	JUN 1998
	MAXIMUM 5-SECOND SPEED (MPH)	12	52	56	62	51	54	84	61	66	51	54	58	62	84
	DIR. (TENS OF DEGS)		22	25	26	28	25	31	25	25	21	24	26	24	31
YEAR OF OCCURRENCE		2000	2001	2002	2007	1997	1998	2005	2000	2005	1996	2003	2000	JUN 1998	
PRECIPITATION	NORMAL (IN)	30	2.49	2.28	3.15	3.39	3.96	3.55	4.02	3.65	3.43	2.53	3.04	2.98	38.47
	MAXIMUM MONTHLY (IN)	59	8.70	5.24	8.83	6.46	9.60	8.42	12.55	8.19	9.02	8.42	9.39	6.72	12.55
	YEAR OF OCCURRENCE		1950	1956	1964	1981	1956	1989	2003	1974	1990	1954	1985	1990	JUL 2003
	MINIMUM MONTHLY (IN)	59	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)	59	2.99	2.57	3.29	2.01	3.18	2.91	4.18	3.99	6.30	2.77	2.66	1.86	6.30
	YEAR OF OCCURRENCE		1959	1959	1964	1987	1985	2006	1958	1994	1979	1954	1985	1991	SEP 1979
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	16.7	14.2	15.0	13.9	13.6	11.7	11.0	10.1	10.6	10.7	14.3	15.8	157.6
PRECIPITATION >= 1.00	30	0.2	0.2	0.2	0.6	0.7	0.7	1.0	0.8	0.8	0.4	0.4	0.6	6.6	
SNOWFALL	NORMAL (IN)	30	13.2	9.4	8.3	2.6	0.1	0.0	0.0	0.0	0.0	0.6	3.7	9.5	47.4
	MAXIMUM MONTHLY (IN)	59	37.5	21.1	20.9	20.9	3.2	T	0.0	T	T	6.8	22.3	29.4	37.5
	YEAR OF OCCURRENCE		1978	1984	1960	1987	1966	1995		2002	1965	1952	1950	1974	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	59	10.9	12.3	10.7	19.7	3.2	T	0.0	T	T	4.4	7.4	17.9	19.7
	YEAR OF OCCURRENCE		1966	1984	1973	1987	1966	1995		2002	1965	1993	1950	1974	APR 1987
	MAXIMUM SNOW DEPTH (IN)	58	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	4.7	2.9	2.6	0.6	0.0	0.0	0.0	0.0	0.0	0.1	1.1	2.9	14.9	

PRECIPITATION (inches) 2007 AKRON (KCAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	3.73	2.49	2.69	5.78	2.73	5.84	2.44	5.73	0.61	3.95	2.15	2.14	40.28
1999	3.53	2.78	2.15	3.07	3.11	1.19	5.78	2.85	3.63	2.32	3.53	1.87	35.81
2000	2.51	2.41	2.02	5.18	6.50	4.93	6.80	4.00	3.96	2.39	1.71	3.09	45.50
2001	1.44	1.55	1.69	3.53	4.29	2.92	1.18	4.03	2.52	4.54	2.83	2.34	32.86
2002	1.96	2.12	3.87	5.92	5.33	3.09	2.01	2.70	4.48	1.88	4.35	2.91	40.62
2003	1.80	1.90	2.77	2.28	8.16	2.41	12.55	3.19	7.48	2.55	3.10	2.91	51.10
2004	2.71	1.22	3.67	3.39	6.52	6.62	3.12	6.14	5.57	1.81	3.13	2.40	46.30
2005	5.63	2.09	2.11	4.35	2.38	0.84	6.12	6.90	3.00	3.89	2.51	1.35	41.17
2006	3.15	2.31	2.22	2.85	5.53	5.30	6.29	2.97	3.35	4.73	2.54	2.69	43.93
2007	4.34	1.28	3.62	2.61	2.08	3.01	3.07	7.10	2.44	3.59	3.41	4.34	40.89
POR= 59 YRS	2.73	2.21	3.12	3.48	3.88	3.47	4.08	3.43	3.19	2.49	2.90	2.75	37.73

WBAN : 14895

AVERAGE TEMPERATURE (°F) 2007 AKRON (KCAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
1998	33.6	37.0	39.6	49.3	64.1	66.8	70.4	71.6	65.9	52.0	43.0	35.3	52.4
1999	27.2	33.5	34.0	51.1	61.4	69.8	75.8	68.1	63.6	51.5	44.4	32.5	51.1
2000	25.4	33.5	43.3	48.0	61.0	68.2	67.8	68.1	61.5	54.1	38.3	20.6	49.2
2001	26.4	31.7	33.6	52.1	59.1	68.0	70.8	72.4	61.3	53.1	47.2	35.7	51.0
2002	32.9	32.5	37.8	50.4	54.9	69.8	75.1	72.8	67.5	50.0	38.9	28.7	50.9
2003	19.2	23.2	39.0	50.9	57.7	65.6	71.0	71.8	61.8	49.8	44.9	31.2	48.8
2004	20.5	28.4	39.7	48.8	62.8	65.2	70.0	67.1	64.6	52.4	43.4	30.0	49.4
2005	26.4	30.0	32.7	50.3	55.2	72.1	74.5	72.7	66.5	53.0	42.9	26.4	50.2
2006	37.9	28.9	36.7	52.3	58.2	66.0	73.3	71.8	60.5	49.0	43.6	37.4	51.3
2007	29.8	17.8	40.8	46.5	62.9	68.9	69.8	73.1	66.6	58.2	40.0	31.5	50.5
POR= 59 YRS	26.2	28.4	37.1	48.7	59.0	68.0	72.0	70.5	63.4	52.4	41.3	30.6	49.8

HEATING DEGREE DAYS (base 65°F) 2007 AKRON (KCAK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1997-98	2	35	136	442	832	1026	965	775	794	458	92	83	5640
1998-99	0	3	64	400	653	911	1166	874	955	408	134	50	5618
1999-00	2	9	113	411	609	1000	1221	908	666	501	166	54	5660
2000-01	16	21	169	328	795	1370	1188	927	968	398	194	55	6429
2001-02	15	1	145	368	527	904	987	906	835	460	324	31	5503
2002-03	0	3	43	486	776	1115	1415	1164	801	421	234	70	6528
2003-04	0	5	120	462	592	1040	1370	1055	778	482	136	76	6116
2004-05	2	40	69	382	638	1075	1190	975	997	435	302	15	6120
2005-06	0	6	31	385	660	1190	833	1003	872	375	255	52	5662
2006-07	2	0	143	493	634	849	1083	1317	741	550	140	30	5982
2007-	7	11	67	255	741	1033							

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COOLING DEGREE DAYS (base 65°F) 2007 AKRON (KCAK)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
1998	0	0	12	0	72	146	173	214	98	3	0	0	718
1999	0	0	0	0	29	202	346	116	75	0	0	0	768
2000	0	0	1	0	51	154	112	125	71	0	0	0	514
2001	0	0	0	20	20	151	200	238	43	6	0	0	678
2002	0	0	0	30	18	182	320	252	124	28	0	0	954
2003	0	0	0	3	16	94	191	219	29	0	0	0	552
2004	0	0	0	5	77	88	160	114	65	0	0	0	509
2005	0	0	0	2	4	232	300	250	83	21	0	0	892
2006	0	0	0	0	50	87	268	218	14	2	0	0	639
2007	0	0	0	1	81	155	163	271	122	51	0	0	844

SNOWFALL (inches) 2007 AKRON (KCAK)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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					
1996-97													
1997-98					2.4	6.5	4.4	T	8.9	0.0	T	T	
1998-99	0.0	0.0	T	T	T	4.2	24.3	9.7	18.6	T	0.0	0.0	56.8
1999-00	0.0	0.0	T	0.0	3.9	5.7	14.1	10.3	1.9	1.4	T	0.0	37.3
2000-01	0.0	0.0	T	0.8	6.7	20.6	10.0	5.5	9.4	1.1	T	0.0	54.1
2001-02	0.0	0.0	0.0	T	T	1.6	5.7	8.0	6.4	2.2	0.0	T	23.9
2002-03	0.0	T	0.0	0.1	5.4	11.5	19.1	17.3	2.5	T	0.0	0.0	55.9
2003-04	0.0	0.0	T	T	0.9	18.6	11.5	5.2	12.2	2.9	0.0	0.0	51.3
2004-05	0.0	0.0	0.0	0.0	0.3	17.8	11.8	9.2	10.1	10.9	T	0.0	60.1
2005-06	0.0	0.0	0.0	0.3	4.2	11.9	3.8	12.1	2.9	0.6	0.0	0.0	35.8
2006-07	0.0	0.0	0.0	0.3	0.4	4.6	11.8	13.9	5.6	2.2	0.0	0.0	38.8
2007-	0.0	0.0	0.0	0.0	0.6	13.3							
POR= 58 YRS	0.0	T	T	0.5	4.0	10.0	11.7	9.3	8.6	2.5	0.1	T	46.7

WBAN : 14895

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 (1971 - 2000). 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2007 AKRON OHIO (KCAK)

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

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	Latitude NORTH WEST		Longitude WEST		ELEVATION ABOVE								AUTOMATIC OBSERVING EQUIPMENT *	REMARKS
								SEA LEVEL	GROUND								
								GROUND TEMPERATURE SITE	WIND INSTRUMENT	EXTREME THERMOMETERS	PSYCHROMETER	SUNSHINE SWITCH	TIPPING BUCKET RAIN GAUGE	WEIGHING RAIN GAUGE	8 INCH RAIN GAUGE		
*NOTE:																	
AIRPORT																	
Service Building	7/1/48	10/25/61	8mi SSE ipal Apt	40° 55'	81° 26'	1210	37	4	4				4	4			
Terminal Building Akron-Canton Airport	10/26/61	09/01/95	475ft. SW	40° 55'	81° 26'	1209 b1208	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.	
Akron-Canton Airport	09/01/95	Present	NA	40° 55'	81° 27'	h1238									S	ASOS Commissioned 09/01/95 h. Ground elevation	

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* NOTES: For earlier station history see previous edition.