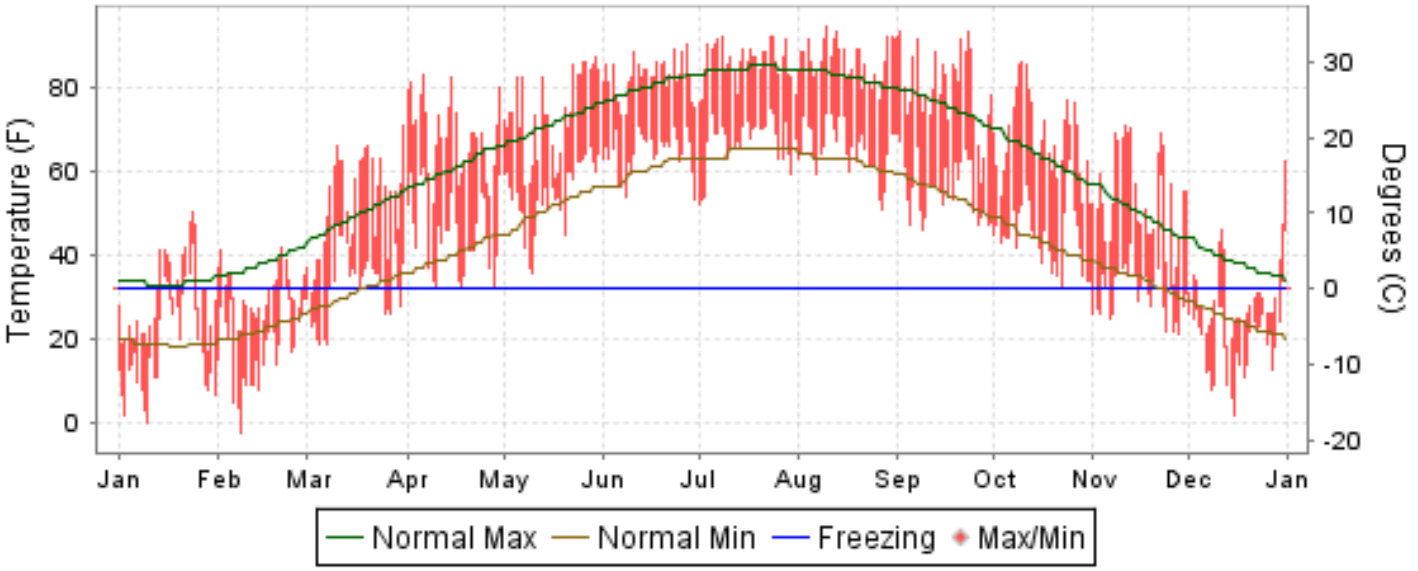
2010
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

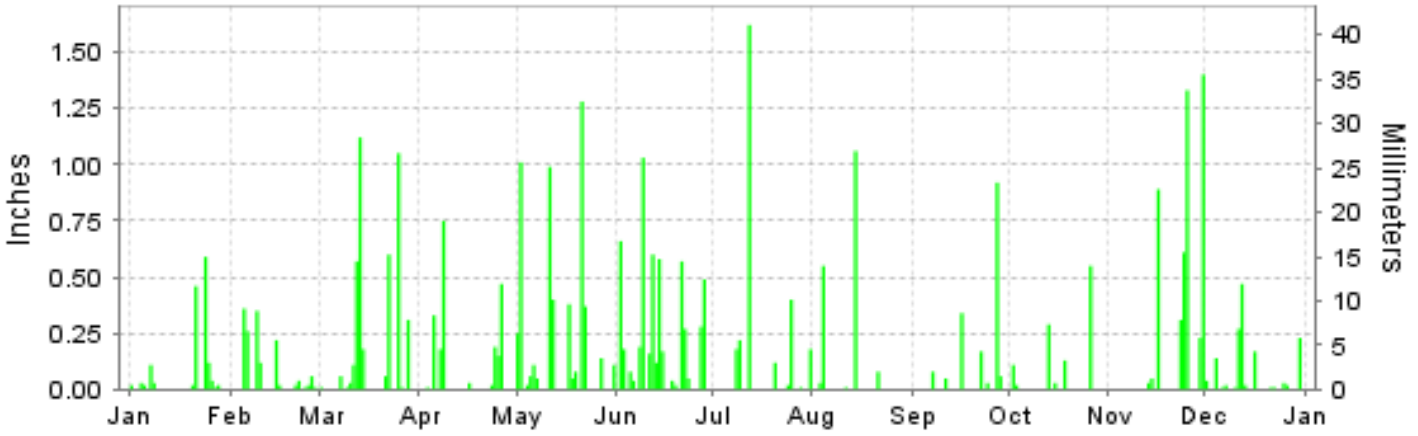
ISSN 0198-3970

DAYTON,
OHIO (KDAY)

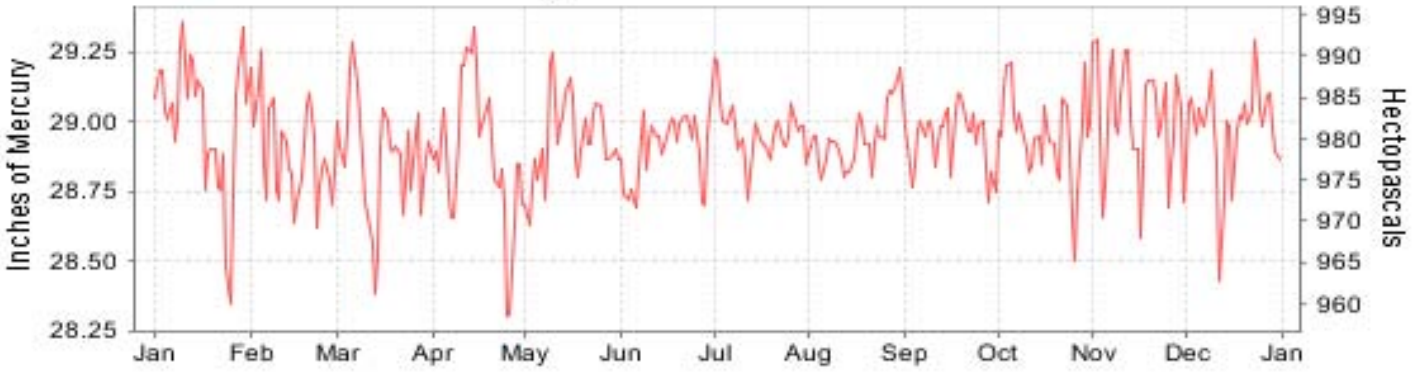
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

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METEOROLOGICAL DATA FOR 2010
DAYTON (KDAY)

LATITUDE: 39 ° 54'N **LONGITUDE:** -84 ° 13'W **ELEVATION (FT):** GRND: 994 BARO: 1004 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 93815

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	30.3	31.3	52.7	68.6	73.9	82.2	86.0	86.3	80.0	68.2	54.1	30.7	62.0
	HIGHEST DAILY MAXIMUM	50	42	71	83	87	90	92	94	93	86	71	62	94
	DATE OF OCCURRENCE	24	21	31	06	30	27	24+	10	23+	10	11	31	AUG 10
	MEAN DAILY MINIMUM	18.3	18.1	32.8	45.4	54.7	64.4	66.9	65.2	55.8	44.8	31.7	19.5	43.1
	LOWEST DAILY MINIMUM	0	-2	19	32	36	53	52	51	46	33	21	2	-2
	DATE OF OCCURRENCE	10	08	07+	18	10	30	01	27	09	22	28	15	FEB 08
	AVERAGE DRY BULB	24.3	24.7	42.8	57.0	64.3	73.3	76.5	75.8	67.9	56.5	42.9	25.1	52.6
	MEAN WET BULB			38.6	48.8	58.0	66.8	68.9	67.4	57.8	47.0	37.9	23.3	
	MEAN DEW POINT			32.6	39.8	52.7	63.1	64.5	62.6	50.5	37.9	30.6	19.2	
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	0	1	7	8	5	0	0	0	21
	MAXIMUM <= 32°	20	16	1	0	0	0	0	0	0	0	0	23	60
	MINIMUM <= 32°	26	27	13	1	0	0	0	0	0	0	17	29	113
	MINIMUM <= 0°	1	1	0	0	0	0	0	0	0	0	0	0	2
H/C	HEATING DEGREE DAYS	1254	1122	682	259	104	2	1	0	51	277	655	1229	5636
	COOLING DEGREE DAYS	0	0	0	28	90	258	363	339	147	20	0	0	1245
RH	MEAN (PERCENT)	78	76	69	55	69	72	68	66	58	55	64	79	67
	HOUR 01 LST	81	80	77	64	78	82	81	79	71	64	72	81	76
	HOUR 07 LST	80	81	79	63	75	79	76	75	71	71	77	83	76
	HOUR 13 LST	74	69	57	44	56	59	53	50	40	38	50	71	55
	HOUR 19 LST	78	75	66	51	64	67	66	63	54	54	62	80	65
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	0	0	1	0	1	0	0	0	0	0	2
	THUNDERSTORMS	0	0	1	3	10	12	5	3	3	2	1	0	40
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.)	29.01	28.89	28.87	28.90	28.93	28.90	28.97	28.95	28.94	28.95	29.00	28.98	28.94
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	29.99	29.96	29.96	29.99	29.96	30.02	30.00	30.00	30.02	30.10	30.09	30.02
WINDS	RESULTANT SPEED (MPH)	4.8	5.1	2.1	3.9	1.8	4.6	3.1	1.0	3.2	4.2	3.1	4.6	2.9
	RES. DIR. (TENS OF DEGS.)	26	29	02	22	21	25	23	25	25	26	22	26	26
	MEAN SPEED (MPH)	10.5	10.0	8.4	9.9	8.5	8.2	6.6	5.8	8.7	9.3	9.0	10.1	8.8
	PREVAIL.DIR.(TENS OF DEGS.)	28	28	01	20	14	21	24	21	19	20	20	27	28
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	32	32	32	41	38	40	37	33	41	46	37	29	46
	DIR. (TENS OF DEGS.)	25	25	04	22	31	26	21	30	30	25	28	27	25
	DATE OF OCCURRENCE	25	09	25	03	03	27	08	04	22	26	23	01	OCT 26
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	49	41	41	59	48	54	47	43	52	62	45	37	62
	DIR. (TENS OF DEGS.)	33	03	03	25	31	27	20	30	30	25	28	27	25
	DATE OF OCCURRENCE	12	06	25	05	03	27	08	04	22	26	23	01	OCT 26
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.47	1.49	4.12	2.13	5.30	5.53	2.75	1.73	1.65	1.13	4.85	1.45	33.60
	GREATEST 24-HOUR (IN.)	0.71	0.36	1.69	0.93	1.65	1.22	1.62	1.06	0.98	0.55	1.63	0.71	1.69
	DATE OF OCCURRENCE	24-25	05	12-13	07-08	21-22	08-09	12	14	27-28	26	29-30	11-12	MAR 12-13
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	12	12	13	9	15	18	8	5	7	6	8	14	127
	PRECIPITATION 0.10	4	5	7	6	10	13	6	2	3	4	6	5	71
	PRECIPITATION 1.00	0	0	2	0	2	1	1	1	0	0	2	0	9
SNOWFALL	SNOW,ICE PELLETS,HAIL	9.0	23.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	9.4	43.4
	TOTAL (IN.)	4.3	7.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	2.0	7.7
	GREATEST 24-HOUR (IN.)	07	05	25								30+	12	FEB 05
	DATE OF OCCURRENCE	5	13	1	0	0	0	0	0	0	0	0	3	13
	MAXIMUM SNOW DEPTH (IN.)	08	11+	01									18+	FEB 11+
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:													
	SNOWFALL >= 1.0	2	6	1	0	0	0	0	0	0	0	0	3	12

NORMALS, MEANS, AND EXTREMES
DAYTON (KDAY)

LATITUDE: 39 ° 54'N **LONGITUDE:** -84 ° 13'W **ELEVATION (FT):** GRND: 994 BARO: 1004 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 93815

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	33.7	38.2	49.3	60.7	71.2	80.1	84.2	82.3	75.6	63.5	50.1	38.5	60.6
	MEAN DAILY MAXIMUM	76	35.4	38.2	49.6	61.5	72.1	80.6	84.8	83.4	76.4	65.0	50.5	38.9	61.4
	HIGHEST DAILY MAXIMUM	67	71	73	82	89	93	102	102	102	101	89	79	72	102
	YEAR OF OCCURRENCE		1950	2000	1986	1962	1962	1988	1988	1988	1954	2007	1975	1998	AUG 1988
	MEAN OF EXTREME MAXS.	91	57.3	61.0	72.6	81.0	86.0	92.0	93.4	92.6	89.2	81.0	70.3	60.7	78.1
	NORMAL DAILY MINIMUM	30	19.0	22.4	31.2	40.4	51.1	60.2	64.4	62.2	54.6	43.5	34.3	24.4	42.3
	MEAN DAILY MINIMUM	76	20.2	22.0	31.0	40.9	51.4	60.4	64.5	63.0	55.1	44.4	34.0	24.4	42.6
	LOWEST DAILY MINIMUM	67	-25	-16	-7	15	27	40	44	39	32	21	-2	-20	-25
	YEAR OF OCCURRENCE		1994	1951	1980	1972	1947	1990	1972	2001	1974	1962	1958	1989	JAN 1994
	MEAN OF EXTREME MINS.	91	-2.3	1.7	12.0	24.9	35.7	47.4	52.9	50.5	39.7	29.2	18.0	3.7	26.1
	NORMAL DRY BULB	30	26.3	30.3	40.2	50.6	61.2	70.2	74.3	72.3	65.1	53.5	42.2	31.4	51.5
	MEAN DRY BULB	76	27.8	30.1	40.3	51.2	61.8	70.6	74.7	73.2	65.7	54.7	42.3	31.7	52.0
	MEAN WET BULB	26	25.3	28.2	35.3	44.6	54.1	62.7	66.1	65.2	58.1	47.3	38.1	28.5	46.1
	MEAN DEW POINT	26	22.2	23.8	31.0	40.5	50.8	59.7	63.6	62.9	55.4	44.1	35.1	25.7	42.9
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	3.2	6.8	4.0	1.3	0.0	0.0	0.0	15.6
	MAXIMUM <= 32	30	13.3	9.2	2.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	8.2	34.2
	MINIMUM <= 32	30	27.2	22.3	17.9	6.2	0.3	0.0	0.0	0.0	*	3.3	14.2	24.0	115.4
	MINIMUM <= 0	30	3.0	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	5.9
H/C	NORMAL HEATING DEG. DAYS	30	1185	973	760	427	167	24	2	7	90	358	670	1027	5690
	NORMAL COOLING DEG. DAYS	30	0	0	2	9	62	194	305	246	105	11	1	0	935
RH	NORMAL (PERCENT)	30	76	73	70	65	67	68	70	73	72	70	73	77	71
	HOUR 01 LST	30	78	76	75	72	75	78	80	83	82	78	77	80	78
	HOUR 07 LST	30	80	79	79	76	78	80	83	88	88	84	81	82	82
	HOUR 13 LST	30	71	68	61	55	55	56	56	58	57	57	65	72	61
	HOUR 19 LST	30	74	71	65	58	58	59	60	64	65	65	71	76	66
S	PERCENT POSSIBLE SUNSHINE	53	40	44	48	52	58	66	66	67	65	59	40	36	53
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	47	2.8	2.3	1.5	0.7	1.1	0.8	1.1	1.5	1.8	1.3	1.4	2.7	19.0
	THUNDERSTORMS	63	0.5	0.6	2.1	4.3	6.3	7.4	7.2	5.8	3.1	1.4	0.9	0.3	39.9
CLOUDNESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESSURE(IN)	27	29.01	29.00	28.97	28.91	28.93	28.93	28.96	28.99	29.01	29.02	29.01	29.02	28.98
	MEAN SEA-LEVEL PRES. (IN)	27	30.12	30.10	30.06	29.98	29.99	29.99	30.01	30.04	30.07	30.09	30.10	30.13	30.06
WINDS	MEAN SPEED (MPH)	27	11.1	10.7	10.7	10.6	9.2	8.3	7.5	7.0	7.7	8.8	10.3	10.6	9.4
	PREVAIL.DIR(TENS OF DEGS)	42	28	27	22	21	23	22	23	23	21	21	21	21	28
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	15	47	53	49	49	54	43	61	45	53	46	44	49	61
	DIR. (TENS OF DEGS)		25	24	27	25	24	24	29	33	23	25	22	22	29
	YEAR OF OCCURRENCE		2008	2009	2002	2000	1999	2002	1998	2007	2008	2010	1998	2006	JUL 1998
	MAXIMUM 3-SECOND														
	SPEED (MPH)	15	62	66	58	59	62	68	74	56	69	62	53	58	74
	DIR. (TENS OF DEGS)		25	23	27	25	29	20	30	32	23	25	17	23	30
	YEAR OF OCCURRENCE		2008	2009	2002	2010	2007	2000	1998	2007	2008	2010	2001	2006	JUL 1998
PRECIPITATION	NORMAL (IN)	30	2.60	2.29	3.29	4.03	4.17	4.21	3.75	3.49	2.65	2.72	3.30	3.08	39.58
	MAXIMUM MONTHLY (IN)	67	9.86	5.77	7.65	9.20	9.05	10.89	8.55	8.03	7.37	6.25	8.07	10.04	10.89
	YEAR OF OCCURRENCE		1950	1990	1964	1996	1995	1958	1990	1974	2005	1986	1985	1990	JUN 1958
	MINIMUM MONTHLY (IN)	67	0.30	0.14	1.07	0.56	1.55	0.32	0.47	0.03	0.27	0.10	0.48	0.36	0.03
	YEAR OF OCCURRENCE		1981	1947	1966	1962	1964	1962	1974	1996	1963	1944	1949	1955	AUG 1996
	MAXIMUM IN 24 HOURS (IN)	67	4.30	2.79	2.87	3.10	3.64	3.76	4.54	3.62	4.59	3.75	2.93	2.86	4.59
	YEAR OF OCCURRENCE		1959	1959	1964	1977	1989	1981	1990	1974	2005	1986	1955	1990	SEP 2005
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	13.6	11.7	12.5	12.8	12.5	10.7	10.1	9.6	8.4	9.2	11.8	12.6	135.5
	PRECIPITATION >= 1.00	30	0.2	0.4	0.4	0.8	0.9	0.9	1.3	1.0	0.7	0.4	0.8	0.6	8.4
SNOWFALL	NORMAL (IN)	30	9.9	6.5	4.8	0.8	0.*	0.0	0.0	0.0	0.0	0.4	1.4	5.4	29.2
	MAXIMUM MONTHLY (IN)	66	40.2	23.0	15.7	4.9	T	0.0	T	T	T	5.8	12.7	17.0	40.2
	YEAR OF OCCURRENCE		1978	2010	2008	1974	2007		1995	2000	2006	1989	1950	2004	JAN 1978
	MAXIMUM IN 24 HOURS (IN)	66	12.2	7.7	11.3	4.7	T	0.0	T	T	T	5.0	10.0	11.5	12.2
	YEAR OF OCCURRENCE'		1978	2010	1968	1974	1995		1995	2000	2006	1989	1950	2004	JAN 1978
	MAXIMUM SNOW DEPTH (IN)	61	22	14	13	6	0	0	0	0	0	4	12	16	22
	YEAR OF OCCURRENCE		1978	1978	2008	1987						1989	1950	2004	JAN 1978
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	3.0	2.0	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.6	8.7

PRECIPITATION (inches) 2010 DAYTON (KDAY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	0.30	3.37	1.18	5.06	4.76	6.32	5.08	3.51	5.06	2.79	2.80	3.46	43.69
1982	6.03	1.82	5.54	1.95	4.80	4.05	1.46	6.42	1.40	1.42	4.10	3.72	42.71
1983	1.39	0.65	2.67	4.73	4.43	5.73	3.57	1.16	0.88	5.54	4.21	2.89	37.85
1984	1.15	2.67	3.63	3.92	4.29	1.87	2.37	2.06	3.30	3.52	3.38	3.83	35.99
1985	1.56	2.26	4.85	1.56	4.43	2.27	2.69	2.50	0.98	2.39	8.07	2.25	35.81
1986	1.68	3.67	4.02	2.68	2.29	6.66	4.62	1.99	3.15	6.25	3.04	2.87	42.92
1987	1.06	1.01	2.22	3.11	2.61	3.16	4.36	0.65	0.28	1.26	1.98	3.00	24.70
1988	1.46	3.81	3.04	2.01	1.62	1.41	3.76	2.86	4.73	3.00	6.22	2.65	36.57
1989	2.72	2.65	5.99	6.52	8.55	4.76	3.56	1.89	5.66	1.56	3.66	1.85	49.37
1990	2.28	5.77	3.70	3.00	8.40	3.21	8.55	3.76	2.60	5.98	2.46	10.04	59.75
1991	2.53	2.55	5.34	4.72	4.25	2.52	2.58	2.13	3.25	1.52	2.12	3.64	37.15
1992	3.06	0.96	2.99	5.44	3.17	3.23	6.83	4.48	2.27	1.51	5.07	1.58	40.59
1993	3.88	2.77	3.85	6.78	3.98	6.25	4.68	3.32	4.69	3.06	6.19	2.78	52.23
1994	3.76	1.27	1.88	6.32	2.00	3.85	4.54	2.92	0.97	1.00	3.50	2.76	34.77
1995	2.39	1.47	2.62	5.30	9.05	5.60	5.83	7.54	1.03	5.65	2.30	2.48	51.26
1996	4.11	1.82	3.88	9.20	7.75	6.04	5.89	.03	6.87	1.39	3.54	4.13	54.65
1997	2.40	1.75	3.96	1.42	5.76	2.22	3.07	2.55	1.66	1.27	2.40	2.15	30.61
1998	3.30	2.32	2.98	6.19	4.09	6.35	3.31	2.71	0.77	3.47	1.59	2.13	39.21
1999	3.93	3.97	1.61	3.53	1.98	3.70	2.82	1.80	1.05	1.06	1.85	2.56	29.86
2000	3.20	2.15	2.21	4.19	2.98	2.98	2.96	2.56	2.84	3.52	2.32	2.41	34.32
2001	0.84	1.69	1.35	3.60	4.53	2.91	5.48	6.40	3.88	4.99	2.86	3.66	42.19
2002	1.52	1.31	3.89	5.72	6.20	3.25	1.81	0.87	5.74	2.53	3.08	3.20	39.12
2003	1.07	2.23	2.65	1.49	6.62	4.56	6.32	3.83	5.40	3.03	3.88	2.44	43.52
2004	4.62	1.31	2.48	3.39	8.61	5.12	3.25	5.15	0.61	2.38	3.18	1.61	41.71
2005	9.22	1.63	2.31	3.97	2.31	3.49	1.95	4.40	7.37	3.11	3.64	1.88	45.28
2006	2.97	1.66	3.70	4.42	3.67	3.64	5.32	3.44	5.09	4.60	3.17	3.66	45.34
2007	4.08	2.52	4.87	3.52	2.93	1.78	2.34	3.28	4.81	3.31	3.00	4.45	40.89
2008	2.04	4.14	6.98	2.21	4.38	6.63	5.89	1.65	2.69	1.24	2.28	5.12	45.25
2009	2.03	1.59	1.48	3.96	3.79	5.30	4.01	2.03	2.68	4.80	0.93	2.95	35.55
2010	1.47	1.49	4.12	2.13	5.30	5.53	2.75	1.73	1.65	1.13	4.85	1.45	33.60
POR= 91 YRS	2.87	2.16	3.41	3.63	3.99	3.92	3.52	3.12	2.79	2.47	2.87	2.72	37.47

WBAN : 93815

AVERAGE TEMPERATURE (°F) 2010 DAYTON (KDAY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	23.3	32.9	39.3	54.9	57.3	71.9	75.1	72.8	63.4	52.1	43.6	29.7	51.4
1982	20.9	27.6	40.0	46.6	67.9	66.7	75.0	70.7	63.9	55.4	43.9	39.6	51.5
1983	29.1	34.4	42.0	46.9	56.7	69.9	76.4	75.8	66.2	54.1	43.1	21.9	51.4
1984	21.2	36.3	30.9	48.6	57.2	72.4	69.9	71.5	62.5	58.8	39.6	38.1	50.6
1985	19.4	25.3	43.6	56.2	62.8	67.0	73.0	70.8	66.3	57.4	47.6	23.8	51.1
1986	29.1	31.3	42.4	54.0	63.8	71.3	75.6	69.8	68.8	55.3	40.4	32.8	52.9
1987	28.2	34.1	43.3	51.3	66.4	72.5	75.5	73.2	67.4	48.5	46.6	35.2	53.5
1988	26.1	27.1	40.3	50.8	63.5	71.4	78.3	77.2	65.4	47.1	43.6	30.9	51.8
1989	36.3	27.5	42.4	50.2	58.8	70.6	76.1	72.2	64.1	54.1	41.0	19.0	51.0
1990	37.1	37.3	44.9	50.7	58.5	70.2	73.2	71.6	65.1	53.4	47.1	36.3	53.8
1991	28.1	34.9	42.9	55.0	69.3	74.2	76.3	73.7	66.0	56.7	39.2	34.6	54.2
1992	30.0	36.3	41.0	50.9	60.5	68.1	74.2	68.9	64.3	52.2	42.8	33.0	51.9
1993	32.1	26.3	37.7	50.0	62.0	69.7	77.0	75.1	62.7	51.6	42.5	31.1	51.5
1994	20.0	28.8	39.3	53.7	58.6	74.3	75.1	71.7	64.9	56.2	48.4	37.6	52.4
1995	28.9	28.1	43.0	50.4	60.4	72.8	75.9	78.0	63.5	56.1	36.1	26.5	51.6
1996	25.0	30.2	34.0	48.6	60.0	71.2	72.1	73.2	64.5	54.6	36.3	35.5	50.4
1997	25.7	35.0	41.8	47.4	55.8	69.1	73.2	69.8	64.5	54.0	38.8	33.1	50.7
1998	36.0	39.2	41.7	52.0	66.0	70.5	73.6	74.2	70.6	55.6	45.2	37.0	55.1
1999	28.8	35.7	35.6	53.6	63.7	72.5	78.4	71.3	66.8	54.6	47.4	33.3	53.5
2000	24.9	36.7	45.5	51.0	64.6	70.7	71.9	71.1	64.2	57.1	40.4	20.6	51.6
2001	28.1	34.1	37.2	55.9	63.5	69.6	73.3	73.5	63.0	54.8	48.6	37.2	53.2
2002	34.7	34.7	39.4	53.5	58.6	72.4	77.4	75.8	69.7	51.5	39.6	30.7	53.2
2003	20.7	24.7	42.1	53.7	60.0	66.7	72.2	73.0	63.1	52.4	46.4	33.0	50.7
2004	23.6	30.7	43.0	52.6	65.6	69.3	72.1	69.1	66.6	53.9	45.0	30.8	51.9
2005	28.5	33.4	35.9	52.7	57.3	73.3	75.2	75.0	68.5	54.5	43.8	26.4	52.0
2006	39.1	31.7	39.3	54.6	59.7	68.5	75.6	73.7	62.1	50.7	44.0	37.9	53.1
2007	32.3	18.4	46.2	49.5	65.6	71.7	71.6	76.9	68.8	60.1	42.6	32.7	53.0
2008	28.6	28.2	37.3	52.6	58.4	71.7	73.2	71.4	68.5	53.9	40.0	30.8	51.2
2009	21.1	32.1	44.7	52.5	62.6	71.2	69.6	71.0	65.1	50.9	46.5	30.8	51.5
2010	24.3	24.7	42.8	57.0	64.3	73.3	76.5	75.8	67.9	56.5	42.9	25.1	52.6
POR= 76 YRS	27.8	30.1	40.3	51.2	61.8	70.6	74.7	73.2	65.7	54.7	42.3	31.7	52.0

HEATING DEGREE DAYS (base 65°F) 2010 DAYTON (KDAY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0	2	119	398	638	1089	1362	1039	766	546	27	22	6008
1982-83	1	9	102	320	630	782	1105	851	706	538	258	28	5330
1983-84	8	0	104	345	649	1331	1351	827	1051	493	263	2	6424
1984-85	7	8	142	191	756	824	1406	1104	660	294	128	34	5554
1985-86	0	1	107	255	516	1271	1109	939	699	343	118	15	5373
1986-87	0	32	42	317	732	991	1134	858	664	411	98	6	5285
1987-88	2	10	44	505	551	916	1200	1091	759	425	106	35	5644
1988-89	2	3	56	549	635	1052	881	1043	700	445	241	14	5621
1989-90	0	5	114	347	713	1419	858	772	628	450	199	29	5534
1990-91	3	1	101	359	534	886	1138	835	678	304	59	1	4899
1991-92	0	0	111	281	765	935	1078	828	735	427	187	26	5373
1992-93	2	10	110	392	658	988	1011	1076	837	444	129	47	5704
1993-94	0	2	121	413	672	1046	1391	1011	790	350	239	7	6042
1994-95	0	8	76	278	492	845	1112	1025	676	436	164	3	5115
1995-96	4	0	102	275	861	1186	1227	1001	955	491	218	14	6334
1996-97	2	0	97	316	856	908	1209	833	712	520	287	32	5772
1997-98	2	10	70	381	781	983	891	717	735	382	63	59	5074
1998-99	0	0	29	294	588	862	1119	814	903	340	91	16	5056
1999-00	0	3	63	320	521	976	1233	816	601	416	89	24	5062
2000-01	0	4	113	258	731	1372	1134	860	856	311	101	31	5771
2001-02	7	0	117	321	486	856	933	843	787	376	234	16	4976
2002-03	0	0	34	442	751	1057	1364	1123	706	343	172	59	6051
2003-04	0	0	98	391	552	984	1278	992	677	379	93	12	5456
2004-05	4	21	48	343	595	1056	1124	879	894	372	243	3	5582
2005-06	0	0	23	345	629	1190	796	927	785	312	222	20	5249
2006-07	0	0	105	449	622	832	1008	1296	583	469	85	4	5453
2007-08	2	0	39	210	664	994	1123	1062	852	374	225	3	5548
2008-09	3	1	15	352	742	1054	1356	914	623	408	126	19	5613
2009-10	3	18	54	434	552	1054	1254	1122	682	259	104	2	5538
2010-	1	0	51	277	655	1229							

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COOLING DEGREE DAYS (base 65°F) 2010 DAYTON (KDAY)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1981	0	0	1	11	17	221	321	251	76	5	0	0	903
1982	0	0	0	0	123	78	316	191	75	29	3	1	816
1983	0	0	0	1	8	180	369	339	148	10	0	0	1055
1984	0	0	0	5	25	233	169	218	72	7	0	0	729
1985	0	0	3	36	63	101	253	190	152	25	1	0	824
1986	0	0	4	23	88	211	335	186	161	21	0	0	1029
1987	0	0	0	5	148	238	331	270	122	0	5	0	1119
1988	0	0	1	4	64	232	423	387	73	3	0	0	1187
1989	0	0	5	7	55	189	350	235	94	17	0	0	952
1990	0	0	12	27	5	192	263	215	111	7	4	0	836
1991	0	0	0	11	199	284	355	277	149	28	0	0	1303
1992	0	0	0	11	51	127	293	138	94	0	0	0	714
1993	0	0	0	0	44	195	376	323	58	4	0	0	1000
1994	0	0	0	18	46	293	321	220	81	11	0	0	990
1995	0	0	0	3	26	243	349	410	66	4	0	0	1101
1996	0	0	0	6	69	208	228	263	87	0	0	0	861
1997	0	0	0	0	7	163	262	164	66	46	0	0	708
1998	0	0	19	0	102	229	272	293	203	10	0	3	1131
1999	0	0	0	5	54	248	423	207	123	1	0	0	1061
2000	0	0	0	1	84	202	223	199	99	17	0	0	825
2001	0	0	0	45	63	175	268	271	66	14	0	0	902
2002	0	0	0	40	41	245	390	342	178	33	0	0	1269
2003	0	0	0	10	22	116	229	255	48	6	1	0	687
2004	0	0	0	11	120	149	231	153	103	4	0	0	771
2005	0	0	0	7	14	257	322	316	134	25	0	0	1075
2006	0	0	0	8	65	133	337	275	27	10	0	0	855
2007	0	0	9	12	111	214	212	377	161	64	0	0	1160
2008	0	0	0	8	25	208	265	207	126	14	0	0	853
2009	0	0	1	35	59	212	152	210	62	3	0	0	734
2010	0	0	0	28	90	258	363	339	147	20	0	0	1245

SNOWFALL (inches) 2010 DAYTON (KDAY)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0.0	0.0	0.0	T	0.8	14.7	13.3	5.1	4.9	4.1	0.0	0.0	42.9
1982-83	0.0	0.0	0.0	0.0	0.1	0.3	1.5	2.5	0.9	0.2	0.0	0.0	5.5
1983-84	0.0	0.0	0.0	0.0	T	5.9	9.2	12.2	13.8	T	0.0	0.0	41.1
1984-85	0.0	0.0	0.0	0.0	3.2	5.3	14.0	12.6	0.3	2.3	0.0	0.0	37.7
1985-86	0.0	0.0	0.0	0.0	0.0	7.5	4.2	10.4	1.6	0.3	0.0	0.0	24.0
1986-87	0.0	0.0	0.0	0.0	1.1	1.7	3.6	3.4	7.9	2.2	0.0	0.0	19.9
1987-88	0.0	0.0	0.0	0.0	0.5	2.0	3.2	7.2	2.1	T	0.0	0.0	15.0
1988-89	0.0	0.0	0.0	T	1.0	4.8	0.1	4.0	5.7	0.1	T	0.0	15.7
1989-90	0.0	0.0	0.0	5.8	0.4	8.6	3.8	3.8	2.2	0.2	0.0	0.0	24.8
1990-91	0.0	0.0	0.0	0.0	0.0	3.5	5.3	1.5	2.4	0.0	0.0	0.0	12.7
1991-92	0.0	0.0	0.0	0.0	1.9	1.0	9.1	1.1	2.9	1.0	0.0	0.0	17.0
1992-93	T	0.0	0.0	0.1	0.8	1.8	2.8	16.4	7.2	T	0.0	0.0	29.1
1993-94	0.0	0.0	0.0	4.1	1.2	6.5	16.8	5.3	7.0	2.3	0.0	0.0	43.2
1994-95	0.0	0.0	0.0	0.0	0.0	1.3	9.4	5.3	2.0	0.4	T	0.0	18.4
1995-96	T	0.0	0.0	0.0	0.6	7.9	24.6	2.0	6.0	1.2	0.0		
1996-97													
1997-98							1.4	3.2	4.0	0.0	0.0	0.0	
1998-99	0.0	0.0	0.0	0.0	0.0	1.6	17.4	3.7	7.9	0.0	0.0	0.0	30.6
1999-00	0.0	0.0	0.0	0.0	T	0.9	16.9	3.5	5.4	0.0	0.0	0.0	26.7
2000-01	0.0	T	0.0	0.0	0.5	8.0	1.8	5.1	0.4	0.2	0.0	0.0	16.0
2001-02	0.0	0.0	0.0	T	0.0	0.5	3.6	1.1	0.5	0.4	0.0	0.0	6.1
2002-03	0.0	0.0	0.0	0.0	1.8	5.8	14.0	21.2	0.9	0.0	0.0	0.0	43.7
2003-04	0.0	0.0	0.0	0.0	0.2	3.2	6.2	2.3	5.8	T	0.0	0.0	17.7
2004-05	0.0	0.0	0.0	T	T	17.0	9.2	2.7	3.0	1.0	0.0	0.0	32.9
2005-06	0.0	0.0	0.0	0.0	0.6	12.9	3.4	5.3	3.5	T	T	0.0	25.7
2006-07	0.0	0.0	T	T	T	2.2	4.0	11.7	T	0.4	T	0.0	18.3
2007-08	0.0	0.0	0.0	0.0	0.3	7.7	5.5	12.2	15.7	0.0	0.0	0.0	41.4
2008-09	0.0	0.0	0.0	0.0	2.2	2.0	13.7	1.2	T	T	0.0	0.0	19.1
2009-10	0.0	0.0	0.0	0.0	0.0	6.0	9.0	23.0	2.0	0.0	0.0	0.0	40.0
2010-	0.0	0.0	0.0	0.0	T	9.4							
POR= 62 YRS	T	T	T	0.2	1.8	5.4	8.5	6.5	5.1	0.6	T	0.0	28.1

WBAN : 93815

REFERENCE NOTES :

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).

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).

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.
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.

GENERAL CONTINUED:
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.
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.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED HISTORY GO TO "MULTI-NETWORK MEDADATA SYSTEM", URL IS: https://mi3.ncdc.noaa.gov/mi3qry/login.cfm
SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.

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.

2010
DAYTON
OHIO (KDAY)

Dayton is located near the center of the Miami River Valley, which is a nearly flat plain, 50 to 200 feet below the general elevation of the adjacent rolling country. Three Miami River tributaries, the Mad River, the Stillwater River, and Wolf Creek converge, fanwise, from the north to join the master stream within the city limits of Dayton. Heavy rains in March 1913 caused the worst flood disaster in the history of the Miami Valley. During the flood more than 400 people lost their lives and property damage amounted to $100 million. After the 1913 flood, dams were built on the streams north of Dayton, forming retarding basins. No floods have occurred at Dayton since the construction of these dams.

The elevation of the city of Dayton is about 750 feet. Terrain north of the city slopes gradually upward to about 1,100 feet at Indian Lake. Ten miles southeast of Indian Lake, near Bellefontaine, is the highest point in the state, with an elevation of about 1,550 feet. South of the city, the terrain slopes gradually downward to about 450 feet where the Miami River empties into the Ohio River.

Precipitation, which is rather evenly distributed throughout the year, and moderate temperatures help to make the Miami Valley a rich agricultural region. High relative humidities during much of the year cause some discomfort to people with allergies. Temperatures of zero or below will be experienced in about four years out of five, while 100 degrees or higher will be recorded in about one year out of five. Extreme temperatures are usually of short duration. The downward slope of about 700 feet in the 163 miles of the Miami River may have some moderating influence on the winter temperatures in the Miami Valley.

The average last occurrence in the spring of freezing temperatures is mid-April, and the average first occurrence in the autumn is late October.

Cold, polar air, flowing across the Great Lakes, causes much cloudiness during the winter, and is accompanied by frequent snow flurries. These add little to the total snowfall.

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