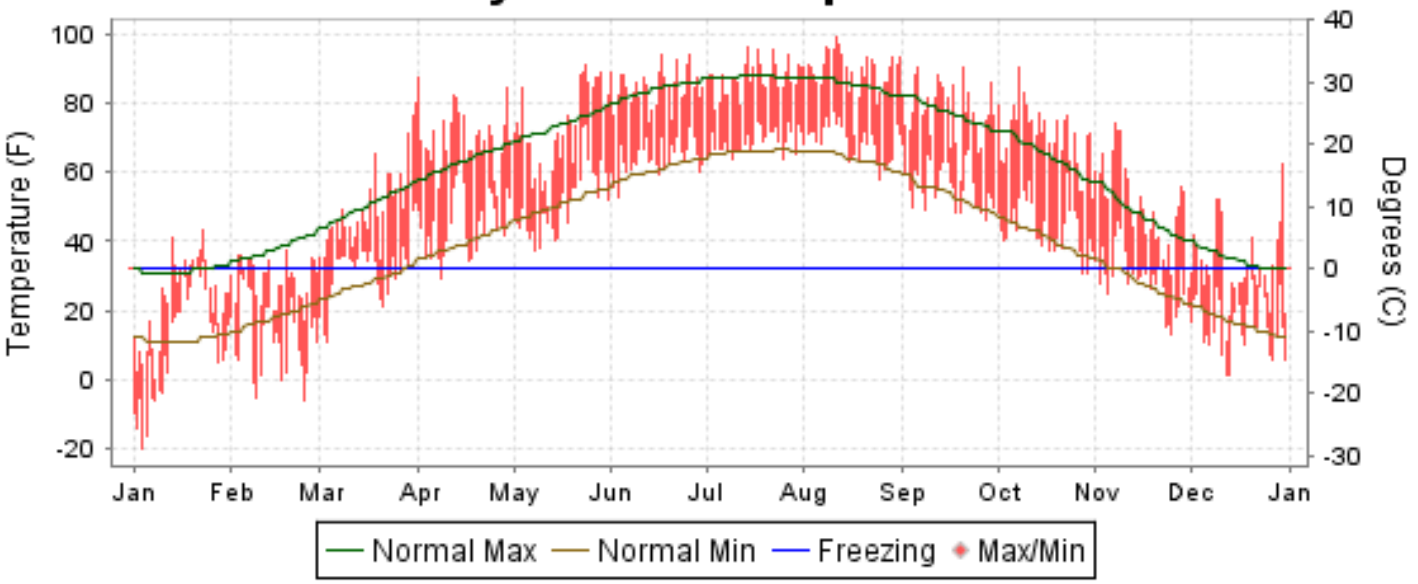
2010
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

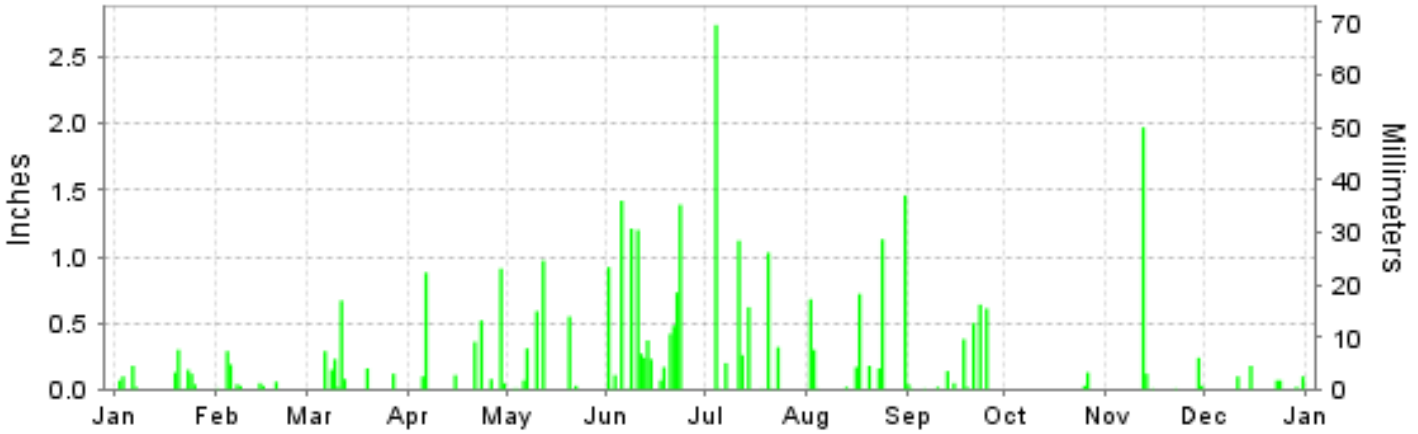
ISSN 0198-3172

OMAHA,
NEBRASKA (KOMA)

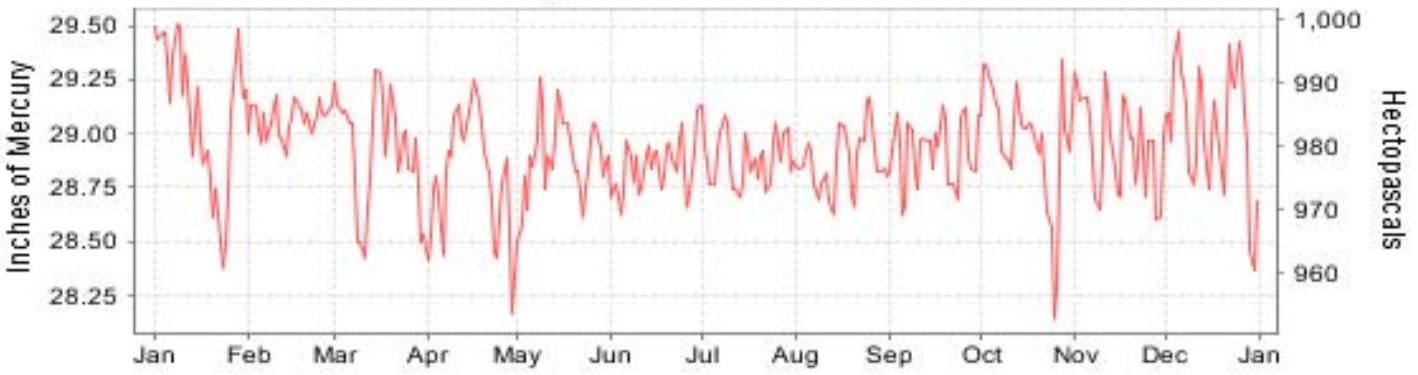
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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.

Thomas R. Karl

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

METEOROLOGICAL DATA FOR 2010
OMAHA (KOMA)

LATITUDE: 41 ° 18'N **LONGITUDE:** -95 ° 53'W **ELEVATION (FT):** GRND: 982 BARO: 1028 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 14942

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	22.9	28.9	49.9	69.5	72.6	84.4	87.3	89.2	77.6	70.4	50.5	33.2	61.4
	HIGHEST DAILY MAXIMUM	43	37	80	87	91	94	96	99	90	90	74	62	99
	DATE OF OCCURRENCE	23	18	31	01	24	26+	14	11	20+	08	07	30	AUG 11
	MEAN DAILY MINIMUM	10.5	12.5	31.7	45.1	51.1	64.1	69.0	68.8	56.1	44.1	29.2	16.1	41.5
	LOWEST DAILY MINIMUM	-20	-6	11	29	37	53	64	58	46	31	13	1	-20
	DATE OF OCCURRENCE	04	24	03	08	08	03	25+	25	27	29+	25	13+	JAN 04
	AVERAGE DRY BULB	16.7	20.7	40.8	57.3	61.9	74.3	78.2	79.0	66.9	57.3	39.9	24.7	51.5
	MEAN WET BULB	15.6	19.3	36.5	49.9	54.5	67.8	72.1	71.7	60.4	49.0	35.2	22.3	46.2
	MEAN DEW POINT	12.0	14.9	31.5	41.8	47.8	64.0	68.9	68.1	56.5	41.0	28.1	17.5	41.0
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	1	4	10	19	2	1	0	0	37
	MAXIMUM <= 32°	22	19	0	0	0	0	0	0	0	0	3	17	61
	MINIMUM <= 32°	30	28	12	1	0	0	0	0	0	2	23	31	127
	MINIMUM <= 0°	9	4	0	0	0	0	0	0	0	0	0	0	13
H/C	HEATING DEGREE DAYS	1490	1233	743	248	183	0	0	0	48	249	745	1243	6182
	COOLING DEGREE DAYS	0	0	1	24	93	283	416	443	112	16	0	0	1388
RH	MEAN (PERCENT)	82	78	74	60	63	72	74	71	73	60	67	75	71
	HOUR 00 LST	85	83	81	69	72	80	83	82	84	68	71	78	78
	HOUR 06 LST	84	83	85	77	81	86	89	87	86	79	78	81	83
	HOUR 12 LST	79	74	67	46	50	62	63	58	62	43	57	71	61
	HOUR 18 LST	79	73	65	45	48	58	61	59	60	45	59	71	60
S	PERCENT POSSIBLE SUNSHINE													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	8	2	3	1	0	0	3	0	1	0	1	2	21
	THUNDERSTORMS	0	0	0	6	6	15	8	7	9	0	1	0	52
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.)	29.10	29.07	28.92	28.79	28.90	28.85	28.89	28.87	28.92	28.97	28.96	29.04	28.94
	MEAN SEA-LEVEL PRESS. (IN.)	30.21	30.17	29.99	29.84	29.94	29.88	29.91	29.90	29.95	30.01	30.03	30.13	30.00
WINDS	RESULTANT SPEED (MPH)	2.1	4.2	2.4	2.0	2.3	2.0	4.1	4.9	2.1	1.6	0.8	1.4	0.7
	RES. DIR. (TENS OF DEGS.)	34	35	36	16	15	14	16	16	17	21	26	33	16
	MEAN SPEED (MPH)	9.2	8.8	11.0	10.8	9.8	9.3	8.2	9.1	9.6	8.5	10.7	10.0	9.6
	PREVAIL.DIR.(TENS OF DEGS.)	35	33	34	17	16	15	16	16	16	16	16	14	34
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)	38	33	31	37	37	54	41	31	35	41	40	45	54
	DIR. (TENS OF DEGS.)	32	32	14	17	14	30	23	17	16	28	16	33	30
	DATE OF OCCURRENCE	25	14	26	28	10	01	14	29	06	27	28	11	JUN 01
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	49	43	38	46	47	67	62	38	44	52	51	56	67
	DIR. (TENS OF DEGS.)	29	33	15	16	14	32	36	17	31	29	17	33	32
	DATE OF OCCURRENCE	25	14	26	28	10	18	20	29	06	26	28	11	JUN 18
PRECIPITATION	WATER EQUIVALENT:													
	TOTAL (IN.)	1.12	0.70	1.72	3.01	2.54	9.25	6.32	4.83	2.42	0.16	2.38	0.54	34.99
	GREATEST 24-HOUR (IN.)	0.43	0.41	0.68	0.98	0.97	1.96	2.74	1.46	1.47	0.16	2.02	0.18	2.74
	DATE OF OCCURRENCE	19-20	04-05	10-11	05-06	12	22-23	04	31	31-01	25-26	12-13	15	JUL 04
	NUMBER OF DAYS WITH:													
	PRECIPITATION 0.01	10	8	8	8	8	17	10	10	11	2	6	6	104
	PRECIPITATION 0.10	6	2	6	6	4	14	7	8	5	1	3	3	65
	PRECIPITATION 1.00	0	0	0	0	0	4	3	2	0	0	1	0	10
SNOWFALL	SNOW,ICE PELLETS,HAIL													
	TOTAL (IN.)	10.4	8.1	0.8	T	T	T	0.0	0.0	0.0	0.0	3.4	4.8	27.5
	GREATEST 24-HOUR (IN.)	5.1	4.3	0.6	T	T	T	0.0	0.0	0.0	0.0	2.8	2.1	5.1
	DATE OF OCCURRENCE	06-07	04-05	19	06	12	12+					12-13	11	JAN 06-07
	MAXIMUM SNOW DEPTH (IN.)	21	6	2	0	0	0	0	0	0	0	2	2	21
	DATE OF OCCURRENCE	10+	06+	02+								13	17+	JAN 10+
	NUMBER OF DAYS WITH:													
	SNOWFALL >= 1.0	4	4	0	0	0	0	0	0	0	0	1	2	11

NORMALS, MEANS, AND EXTREMES
OMAHA (KOMA)

LATITUDE: 41 ° 18'N **LONGITUDE:** -95 ° 53'W **ELEVATION (FT):** GRND: 982 BARO: 1028 **TIME ZONE:** CENTRAL (UTC -6) **WBAN:** 14942

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	31.7	37.9	50.4	63.2	73.7	83.7	87.4	85.2	77.3	65.2	47.8	34.8	61.5
	MEAN DAILY MAXIMUM	62	31.5	37.2	48.8	63.5	74.0	83.4	87.7	85.4	77.2	65.8	49.4	36.0	61.7
	HIGHEST DAILY MAXIMUM	73	69	78	89	97	99	105	114	110	104	96	83	72	114
	YEAR OF OCCURRENCE		1944	1972	1986	1989	1939	1953	1936	1936	1939	1938	1999	1939	JUL 1936
	MEAN OF EXTREME MAXS.	62	54.0	60.0	75.0	86.3	90.0	96.4	99.1	97.4	92.4	84.9	71.1	58.4	80.4
	NORMAL DAILY MINIMUM	30	11.6	18.0	28.1	39.6	50.7	60.6	65.9	63.8	53.5	41.1	28.1	16.4	39.8
	MEAN DAILY MINIMUM	62	12.0	17.5	27.6	40.1	51.4	61.2	66.4	64.1	54.0	42.1	29.0	17.2	40.2
	LOWEST DAILY MINIMUM	73	-23	-21	-16	5	27	38	44	43	25	13	-9	-23	-23
	YEAR OF OCCURRENCE		1982	1981	1948	1975	1980	1983	1972	1967	1984	1972	1964	1989	DEC 1989
	MEAN OF EXTREME MINS.	62	-9.7	-4.0	7.1	23.8	36.3	47.4	55.0	51.9	37.3	25.4	11.3	-2.5	23.3
	NORMAL DRY BULB	30	21.7	28.0	39.3	51.4	62.2	72.2	76.7	74.5	65.4	53.2	38.0	25.6	50.7
	MEAN DRY BULB	62	21.8	27.4	38.1	51.8	62.7	72.4	77.1	74.8	65.6	53.9	39.2	26.6	51.0
	MEAN WET BULB	26	20.7	24.0	34.0	43.9	54.4	63.9	68.6	67.2	58.1	46.1	33.5	23.2	44.8
	MEAN DEW POINT	26	17.4	20.7	29.6	39.0	50.9	61.1	66.5	65.1	55.1	42.4	30.2	20.5	41.5
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.5	1.0	7.1	11.9	9.0	3.6	0.2	0.0	0.0	33.3
	MAXIMUM <= 32	30	15.2	10.6	3.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	3.1	11.8	44.0
	MINIMUM <= 32	30	30.1	25.4	20.7	7.0	0.5	0.0	0.0	0.0	0.4	5.8	20.9	29.7	140.5
	MINIMUM <= 0	30	6.9	3.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	3.8	15.0
H/C	NORMAL HEATING DEG. DAYS	30	1349	1052	805	424	151	17	1	6	105	384	806	1211	6311
	NORMAL COOLING DEG. DAYS	30	0	0	1	14	60	233	365	296	114	12	0	0	1095
RH	NORMAL (PERCENT)	30	73	73	68	63	66	68	71	74	71	68	72	76	70
	HOUR 00 LST	30	77	79	74	70	75	78	80	83	81	76	78	80	78
	HOUR 06 LST	30	80	81	80	78	82	84	86	89	87	83	82	82	83
	HOUR 12 LST	30	67	65	59	53	55	56	59	61	57	55	64	69	60
	HOUR 18 LST	30	68	66	56	50	53	53	57	60	58	57	66	73	60
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	46	1.8	1.9	1.3	0.7	1.1	0.3	0.6	1.8	1.7	1.3	1.7	2.3	16.5
	THUNDERSTORMS	62	0.1	0.4	1.5	4.1	7.5	9.0	8.4	7.4	5.0	2.4	0.8	0.2	46.8
CLOUDNESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	49	4.9	5.0	5.3	5.1	5.0	4.6	3.8	3.8	3.8	3.8	4.8	5.0	4.6
	MIDNIGHT-MIDNIGHT (OKTAS)	22	4.5	4.5	4.8	4.7	4.6	4.4	3.8	3.7	3.8	3.8	4.6	4.7	4.3
	MEAN NO. DAYS WITH:														
	CLEAR	49	8.8	7.3	7.1	7.3	7.4	8.0	11.2	12.2	12.3	12.9	8.6	8.0	111.1
	PARTLY CLOUDY	49	7.9	7.4	8.0	8.5	9.6	11.4	12.1	10.1	7.6	8.1	7.4	7.5	105.6
	CLOUDY	49	14.3	13.5	15.9	14.2	14.1	10.6	7.7	8.7	10.2	10.1	13.9	15.4	148.6
PR	MEAN STATION PRESSURE(IN)	23	29.03	29.05	28.96	28.89	28.88	28.87	28.91	28.95	28.96	28.98	28.99	29.03	28.96
	MEAN SEA-LEVEL PRES. (IN)	23	30.13	30.14	30.03	29.94	29.92	29.90	29.94	29.97	30.00	30.03	30.06	30.12	30.02
WINDS	MEAN SPEED (MPH)	26	10.2	10.3	11.3	11.7	10.3	9.4	8.5	8.2	9.1	9.7	10.3	10.3	9.9
	PREVAIL.DIR(TENS OF DEGS)	40	35	35	35	17	17	17	17	17	17	17	17	17	17
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	14	45	43	52	54	57	54	56	51	48	48	46	45	57
	DIR. (TENS OF DEGS)		33	17	18	32	16	30	03	25	27	11	32	33	16
	YEAR OF OCCURRENCE		1997	2009	2009	2004	1998	2010	2001	2007	2006	1998	2003	2010	MAY 1998
	MAXIMUM 3-SECOND														
	SPEED (MPH)	14	53	53	68	64	86	67	70	68	60	59	55	56	86
	DIR. (TENS OF DEGS)		33	19	18	19	17	32	02	27	28	32	28	33	17
	YEAR OF OCCURRENCE		1997	2009	2009	2001	1998	2010	2001	2007	2006	2008	1998	2010	MAY 1998
PRECIPITATION	NORMAL (IN)	30	0.77	0.80	2.13	2.94	4.44	3.95	3.86	3.21	3.17	2.21	1.82	0.92	30.22
	MAXIMUM MONTHLY (IN)	73	3.70	2.97	5.96	8.48	10.63	10.81	10.34	12.26	13.75	6.23	4.70	5.42	13.75
	YEAR OF OCCURRENCE		1949	1965	1973	1999	2007	1947	1993	1999	1965	2007	1983	1984	SEP 1965
	MINIMUM MONTHLY (IN)	73	T	0.06	0.12	0.23	0.56	0.24	0.39	0.61	0.41	T	0.03	T	T
	YEAR OF OCCURRENCE		1986	2006	1956	1936	1948	2007	1983	1984	1953	1952	2007	1943	JAN 1986
	MAXIMUM IN 24 HOURS (IN)	73	1.52	2.24	2.44	2.82	5.63	4.27	3.37	10.48	6.47	3.13	2.53	3.03	10.48
	YEAR OF OCCURRENCE		1967	1954	2004	1999	2007	1994	1958	1999	1965	1968	1948	1984	AUG 1999
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	5.9	6.1	8.3	10.4	12.0	10.0	10.1	8.5	8.3	6.6	7.0	6.7	99.9
	PRECIPITATION >= 1.00	30	0.1	0.1	0.5	0.6	1.1	1.0	1.0	0.9	1.0	0.6	0.5	0.1	7.5
SNOWFALL	NORMAL (IN)	30	6.3	5.9	4.5	1.2	0.0	0.0	0.0	0.0	0.*	0.3	3.4	5.5	27.1
	MAXIMUM MONTHLY (IN)	72	25.7	25.4	27.2	10.0	2.0	T	T	T	T	7.2	12.0	24.6	27.2
	YEAR OF OCCURRENCE		1936	1965	1948	1992	1945	2010	2009	2002	1985	1941	1957	2009	MAR 1948
	MAXIMUM IN 24 HOURS (IN)	65	13.1	18.3	13.0	9.9	2.0	T	T	T	T	7.2	8.7	10.2	18.3
	YEAR OF OCCURRENCE'		1949	1965	1948	1992	1945	2010	2009	2002	1985	1941	1957	1969	FEB 1965
	MAXIMUM SNOW DEPTH (IN)	61	21	26	27	8	0	0	0	0	0	5	9	17	27
	YEAR OF OCCURRENCE		2010	2004	1960	1992						1997	1957	1983	MAR 1960
	NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.2	1.3	2.0	9.2

PRECIPITATION (inches) 2010 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	0.20	0.09	0.88	1.33	4.13	2.14	1.87	4.80	1.51	1.92	2.60	0.86	22.33
1982	1.83	0.26	1.90	1.22	9.92	4.16	2.46	3.21	2.27	1.10	1.81	1.17	31.31
1983	0.86	0.68	3.65	1.00	2.81	6.52	0.39	1.24	2.45	2.16	4.70	0.63	27.09
1984	0.38	0.62	2.32	4.77	4.92	5.56	1.58	0.61	2.55	3.87	0.52	5.42	33.12
1985	0.56	1.88	1.36	3.16	2.46	1.73	3.27	1.50	2.71	1.36	0.85	0.37	21.21
1986	T	1.00	2.51	4.96	4.88	2.37	2.77	3.86	8.11	4.86	0.99	0.89	37.20
1987	0.08	0.55	4.14	2.24	8.64	3.29	6.72	10.16	1.56	1.33	1.60	1.01	41.32
1988	0.42	0.18	0.14	1.57	4.68	1.60	2.68	1.78	2.63	0.14	2.55	0.95	19.32
1989	1.10	0.86	0.40	1.80	0.83	5.05	3.06	1.80	6.46	1.55	0.15	0.74	23.80
1990	0.59	0.34	4.01	0.36	5.08	3.88	6.36	0.81	0.81	1.71	1.15	1.18	26.28
1991	1.08	0.26	2.85	4.46	4.07	7.79	2.96	3.67	1.37	3.76	3.51	1.75	37.53
1992	1.41	1.18	3.08	3.19	2.27	1.44	7.31	1.57	6.86	2.22	3.01	1.15	34.69
1993	1.42	0.93	2.67	2.26	4.90	8.03	10.34	7.53	2.29	1.18	0.66	0.51	42.72
1994	0.50	1.01	0.15	1.46	1.73	8.54	3.60	1.97	3.32	1.37	1.64	1.21	26.50
1995	0.80	0.47	2.50	4.26	7.07	1.28	3.14	2.52	2.75				
1996			0.83	2.36	7.57	2.96	2.39	2.19	4.90	1.64	2.46	.32	
1997	0.29	0.69	1.08	3.66	1.54	4.51	4.69	1.33	4.30	5.25	2.30	0.57	30.21
1998	1.13	1.27	4.13	3.53	4.71	8.23	7.77	3.85	0.85	2.65	1.48	0.13	39.73
1999	0.59	1.40	1.31	8.48	4.50	3.75	3.07	12.26	1.64	0.03	1.11	0.57	38.71
2000	0.17	1.95	0.81	2.85	2.69	5.52	5.03	1.30	0.64	1.93	3.27	0.95	27.11
2001	1.61	1.53	1.38	2.37	8.78	2.29	2.06	1.95	2.39	2.10	1.55	0.67	28.68
2002	0.37	0.30	0.84	3.35	4.14	2.08	2.70	8.05	0.90	3.18	0.13	T	26.04
2003	0.34	1.32	0.50	3.66	4.37	3.25	2.49	0.74	1.41	1.43	2.91	0.84	23.26
2004	1.25	1.31	4.49	0.97	8.21	2.70	6.83	3.77	1.66	0.26	2.02	0.34	33.81
2005	0.52	1.90	0.98	2.63	4.60	2.69	1.93	4.66	0.92	0.75	1.04	0.81	23.43
2006	0.68	0.06	2.17	3.81	2.54	1.07	2.57	8.52	4.26	0.87	0.26	2.25	29.06
2007	0.59	1.12	4.15	3.71	10.63	0.24	1.66	6.62	2.31	6.23	0.03	1.79	39.08
2008	0.29	0.59	1.53	4.00	6.36	9.51	3.13	1.32	2.90	4.55	1.56	0.79	36.53
2009	0.24	0.75	1.05	2.21	1.38	4.58	3.65	6.24	1.72	3.46	0.36	2.28	27.92
2010	1.12	0.70	1.72	3.01	2.54	9.25	6.32	4.83	2.42	0.16	2.38	0.54	34.99
POR= 62 YRS	0.78	0.92	1.92	2.90	4.48	4.11	3.78	3.97	3.09	2.15	1.50	0.89	30.49

WBAN : 14942

AVERAGE TEMPERATURE (°F) 2010 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1981	24.1	28.4	40.8	57.4	58.6	72.6	76.6	71.0	64.8	50.2	40.6	22.9	50.7
1982	9.4	22.6	34.8	47.7	62.9	65.5	77.1	72.6	64.7	55.0	37.1	28.3	48.1
1983	24.9	30.1	37.3	43.5	56.5	69.6	79.4	81.5	67.0	52.2	38.5	7.3	49.0
1984	19.6	33.2	30.3	46.6	57.7	71.8	75.1	76.5	61.9	52.2	39.4	27.1	49.3
1985	19.1	23.6	43.4	54.9	63.4	67.2	74.1	69.4	62.1	52.7	28.5	16.4	47.9
1986	29.4	22.8	42.8	51.9	61.3	73.9	77.9	70.1	67.9	53.7	34.4	29.4	51.3
1987	28.6	36.8	42.8	55.3	67.3	74.2	77.8	70.9	64.8	48.3	43.4	30.9	53.4
1988	21.1	23.9	40.7	50.5	67.3	76.3	76.4	77.3	66.2	49.1	40.0	29.5	51.5
1989	32.4	16.0	37.9	54.6	62.4	69.4	77.4	74.4	63.0	53.9	36.2	17.7	49.6
1990	33.5	31.3	42.7	50.8	58.5	73.5	74.8	75.3	69.0	53.3	42.9	21.2	52.2
1991	16.3	34.2	42.5	54.2	67.3	74.6	75.8	74.3	66.0	52.1	30.6	31.8	51.6
1992	32.6	36.7	43.6	50.0	61.8	69.4	71.1	68.4	64.0	53.5	35.4	27.9	51.2
1993	19.5	22.2	35.6	47.7	61.4	70.0	75.1	75.2	59.7	50.9	35.0	29.4	48.5
1994	18.1	22.9	42.1	51.3	64.5	74.1	73.2	72.6	67.1	55.3	41.4	28.7	50.9
1995	23.0	31.5	39.3	47.9	58.1	71.8	78.7	79.6					
1996			33.0	49.2	59.4	72.8	73.4	72.8	63.1	54.0	32.9	22.2	
1997	19.0	29.5	41.6	45.7	58.0	73.4	77.2	73.4	66.5	54.0	35.3	29.9	50.3
1998	25.8	36.0	32.5	52.0	66.5	69.6	76.8	75.6	71.6	55.8	43.6	30.9	53.1
1999	22.6	35.5	39.5	51.6	62.3	70.8	80.4	72.8	63.8	53.3	47.0	31.0	52.6
2000	27.1	36.2	44.6	51.9	66.0	70.5	75.1	77.1	67.8	57.5	33.4	15.6	51.9
2001	26.6	21.4	35.0	55.5	63.5	71.6	79.0	75.7	65.0	53.5	49.4	32.0	52.4
2002	30.3	32.1	33.0	52.4	59.6	77.3	81.1	74.9	68.2	47.5	37.6	32.1	52.2
2003	22.8	23.7	39.6	53.4	59.6	69.1	78.4	78.0	63.4	55.4	37.9	30.2	51.0
2004	21.1	24.9	43.5	54.0	63.9	68.7	73.1	70.0	70.4	54.8	42.1	30.4	51.4
2005	20.9	32.9	40.7	55.5	61.8	75.6	79.7	75.0	71.1	55.0	42.6	24.4	52.9
2006	36.7	29.7	39.4	56.9	64.3	74.7	79.8	74.5	62.3	50.0	39.8	33.2	53.4
2007	22.3	21.3	46.3	49.9	66.5	72.9	78.5	78.2	67.0	56.9	38.7	22.8	51.8
2008	19.9	22.1	36.3	47.5	60.2	71.9	77.3	75.8	65.4	54.7	38.9	22.2	49.4
2009	20.8	29.8	39.4	50.0	63.7	71.7	71.9	71.7	65.5	46.8	45.7	20.4	49.8
2010	16.7	20.7	40.8	57.3	61.9	74.3	78.2	79.0	66.9	57.3	39.9	24.7	51.5
POR= 62 YRS	21.8	27.4	38.1	51.8	62.7	72.4	77.1	74.8	65.6	53.9	39.2	26.6	51.0

HEATING DEGREE DAYS (base 65°F) 2010 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	7	3	85	452	723	1299	1721	1183	930	518	102	56	7079
1982-83	0	13	115	315	829	1131	1240	971	854	638	278	37	6421
1983-84	0	0	102	405	789	1786	1401	916	1071	552	243	7	7272
1984-85	0	3	184	391	766	1166	1416	1153	666	325	88	45	6203
1985-86	0	13	217	378	1089	1501	1095	1176	689	389	134	1	6682
1986-87	0	15	40	338	913	1096	1122	784	685	322	67	7	5389
1987-88	1	32	67	512	639	1048	1353	1185	748	433	29	6	6053
1988-89	1	7	56	488	744	1095	1002	1368	844	380	143	23	6151
1989-90	0	7	140	356	855	1460	973	935	684	460	206	15	6091
1990-91	4	1	75	371	662	1350	1506	859	695	338	108	0	5969
1991-92	0	0	123	402	1027	1022	999	816	656	449	154	11	5659
1992-93	2	26	114	359	881	1141	1403	1192	904	514	140	34	6710
1993-94	0	1	171	448	895	1097	1448	1174	702	432	120	8	6496
1994-95	0	5	83	302	698	1116	1296	931	791	507	213	21	5963
1995-96	1	0							981	471	211	22	
1996-97	0	0	130	347	956	1321	1417	986	719	572	226	0	6674
1997-98	1	7	57	399	884	1082	1207	806	1000	390	52	58	5943
1998-99	0	0	22	287	634	1050	1307	818	781	396	122	27	5444
1999-00	0	2	112	366	535	1047	1168	828	625	391	72	16	5162
2000-01	0	1	87	242	940	1526	1185	1214	925	301	120	20	6561
2001-02	0	0	87	360	462	1014	1072	915	985	400	221	0	5516
2002-03	0	5	69	546	816	1013	1299	1149	781	369	183	35	6265
2003-04	0	0	128	315	807	1070	1357	1156	659	339	124	30	5985
2004-05	5	28	24	318	679	1065	1359	892	749	297	160	0	5576
2005-06	1	0	30	357	666	1249	871	983	788	270	126	0	5341
2006-07	0	0	123	490	746	978	1317	1219	581	466	48	5	5973
2007-08	0	0	74	279	782	1301	1389	1237	881	520	188	0	6651
2008-09	0	0	74	340	782	1320	1363	978	785	456	112	17	6227
2009-10	1	18	50	557	570	1377	1490	1233	743	248	183	0	6470
2010-	0	0	48	249	745	1243							

WBAN : 14942

COOLING DEGREE DAYS (base 65°F) 2010 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1981	0	0	0	24	29	235	372	196	85	0	0	0	941
1982	0	0	0	5	43	78	383	252	113	12	0	0	886
1983	0	0	0	0	20	183	453	519	167	17	0	0	1359
1984	0	0	0	6	22	220	320	366	96	4	0	0	1034
1985	0	0	0	30	44	116	290	156	137	1	0	0	774
1986	0	0	10	5	26	276	408	181	133	0	0	0	1039
1987	0	0	0	39	145	292	407	221	69	2	1	0	1176
1988	0	0	0	5	109	351	364	394	99	3	0	0	1325
1989	0	0	10	77	68	159	395	306	89	19	0	0	1123
1990	0	0	0	41	9	277	316	327	199	12	4	0	1185
1991	0	0	5	21	184	295	345	295	161	9	0	0	1315
1992	0	0	0	7	63	150	198	136	90	11	0	0	655
1993	0	0	0	0	35	188	322	324	21	19	0	0	909
1994	0	0	0	28	108	287	262	248	151	9	0	0	1093
1995	0	0	0	0	8	230	431	458					
1996			0	8	46	264	266	250	79	14	0	0	
1997	0	0	0	0	18	260	388	273	110	62	0	0	1111
1998	0	0	1	6	108	205	373	336	227	9	0	0	1265
1999	0	0	0	0	43	208	484	248	84	12	0	0	1079
2000	0	0	0	2	110	188	317	385	179	18	0	0	1199
2001	0	0	0	27	80	225	439	342	93	10	1	0	1217
2002	0	0	0	27	62	377	507	322	170	8	0	0	1473
2003	0	0	0	29	24	166	421	410	85	20	0	0	1155
2004	0	0	0	20	100	147	264	190	191	10	0	0	922
2005	0	0	1	20	67	324	466	319	220	52	0	0	1469
2006	0	0	0	36	109	296	448	302	48	29	0	0	1268
2007	0	0	7	20	100	246	427	415	139	33	0	0	1387
2008	0	0	0	1	45	211	386	342	94	27	5	0	1111
2009	0	0	0	13	77	225	222	235	70	0	0	0	842
2010	0	0	1	24	93	283	416	443	112	16	0	0	1388

SNOWFALL (inches) 2010 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1981-82	0.0	0.0	0.0	T	1.0	7.0	2.4	3.0	8.0	2.9	0.0	0.0	24.3
1982-83	0.0	0.0	0.0	T	T	4.0	6.5	9.0	9.0	3.0	0.0	0.0	31.5
1983-84	0.0	0.0	0.0	0.0	6.9	13.5	3.3	2.0	14.2	T	0.0	0.0	39.9
1984-85	0.0	0.0	0.0	T	T	5.0	4.0	4.0	6.0	T	0.0	0.0	19.0
1985-86	0.0	0.0	T	0.0	5.0	4.5	T	7.7	T	0.3	0.0	0.0	17.5
1986-87	0.0	0.0	0.0	0.0	1.8	5.5	1.2	1.6	10.5	T	0.0	0.0	20.6
1987-88	0.0	0.0	0.0	T	9.0	2.0	2.0	2.2	0.8	0.0	0.0	0.0	16.0
1988-89	0.0	0.0	0.0	0.0	4.3	2.7	1.4	11.8	3.3	T	T	0.0	23.5
1989-90	0.0	0.0	0.0	T	1.2	5.3	5.2	4.0	6.7	0.1	0.0	T	22.5
1990-91	0.0	0.0	0.0	T	1.1	10.1	14.9	0.3	4.1	1.1	0.0	T	31.6
1991-92	0.0	0.0	0.0	2.5	8.8	T	0.3	1.1	0.4	10.0	0.0	0.0	23.1
1992-93	0.0	0.0	0.0	0.0	5.8	3.9	13.0	8.5	4.1	1.5	0.0	T	36.8
1993-94	0.0	0.0	0.0	T	2.8	3.1	3.5	8.8	1.4	1.2	0.0	T	20.8
1994-95	0.0	0.0	0.0	0.0	2.0	12.1	5.5	3.0	4.8	0.4	T	0.0	27.8
1995-96	T	0.0	0.0										
1996-97						6.2			T				
1997-98													
1998-99						4.0	6.0	12.2	5.8	0.4	0.0	0.0	
1999-00					T	4.1	1.6	7.7	T	T	0.0	T	
2000-01	0.0	0.0	0.0	0.0	2.7	18.1	6.9	10.4	0.7	T	T	T	38.8
2001-02	0.0	0.0	0.0	T	T	1.8	6.6	2.2	11.1	T	T	0.0	21.7
2002-03	T	T	0.0	1.6	1.5	T	7.5	12.2	3.9	4.9	T	0.0	31.6
2003-04	0.0	0.0	0.0	0.0	0.3	6.8	19.8	17.7	3.2	0.0	T	0.0	47.8
2004-05	T	T	0.0	0.0	2.4	T	14.6	4.4	T	0.0	T	T	21.4
2005-06	0.0	T	T	0.0	4.1	5.4	T	1.2	9.4	T	0.0	0.0	20.1
2006-07	0.0	0.0	0.0	T	T	2.6	11.1	8.9	7.9	T	T	0.0	30.5
2007-08	0.0	0.0	0.0	T	0.2	9.2	6.5	6.4	0.9	T	0.0	T	23.2
2008-09	T	0.0	0.0	0.0	0.1	5.5	5.4	9.8	T	0.6	T	T	21.4
2009-10	T	0.0	0.0	3.7	0.0	24.6	10.4	8.1	0.8	T	T	T	47.6
2010-	0.0	0.0	0.0	0.0	3.4	4.8							
POR= 59 YRS	T	T	T	0.3	2.5	5.8	7.2	6.5	5.9	0.9	T	T	29.1

WBAN : 14942

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
OMAHA (EPPLEY AIRFIELD)
NEBRASKA (KOMA)

Omaha, Nebraska, is situated on the west bank of the Missouri River. The river level at Omaha is normally about 965 feet above sea level and the rolling hills in and around Omaha rise to about 1,300 feet above sea level. The climate is typically continental with relatively warm summers and cold, dry winters. It is situated midway between two distinctive climatic zones, the humid east and the dry west. Fluctuations between these two zones produce weather conditions for periods that are characteristic of either zone, or combinations of both. Omaha is also affected by most low pressure systems that cross the country. This causes periodic and rapid changes in weather, especially during the winter months.

Most of the precipitation in Omaha falls during sharp showers or thunderstorms, and these occur mostly during the growing season from April to September. Of the total precipitation, about 75 percent falls during this six-month period. The rain occurs mostly as evening or nighttime showers and thunderstorms. Although winters are relatively cold, precipitation is light, with only 10 percent of the total annual precipitation falling during the winter months.

Sunshine is fairly abundant, ranging around 50 percent of the possible in the winter to 75 percent of the possible in the summer.

Non-Subscription Request:
NCDC Customer Services;
Phone: 828-271-4800
Fax: 828-271-4876
Email: ncdc.orders@noaa.gov

OFFICAL BUSINESS
PENALTY FOR PRIVATE USE $300
CHANGE SERVICE REQUESTED

FIRST CLASS
POSTAGE & FEES PAID
United States Department of Commerce
NOAA Permit No. G - 19

INQUIRES/COMMENTS CALL: Toll Free (866) 742-3322
Visit our Web Site for other weather data: www.ncdc.noa.gov

For Hard Copy Subscription:
Price and ordering information: NCDC Subscripting Service Center, 310 State Route 956, Building 300, Rocket Center, WV 26726.