

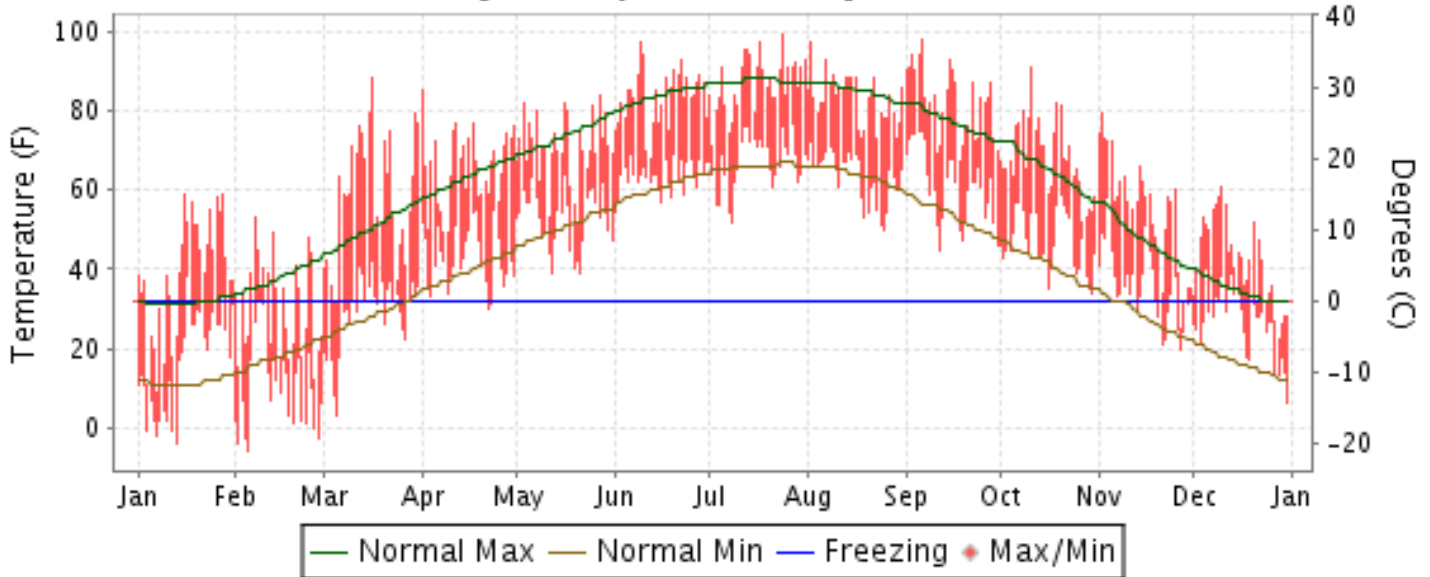


2015 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

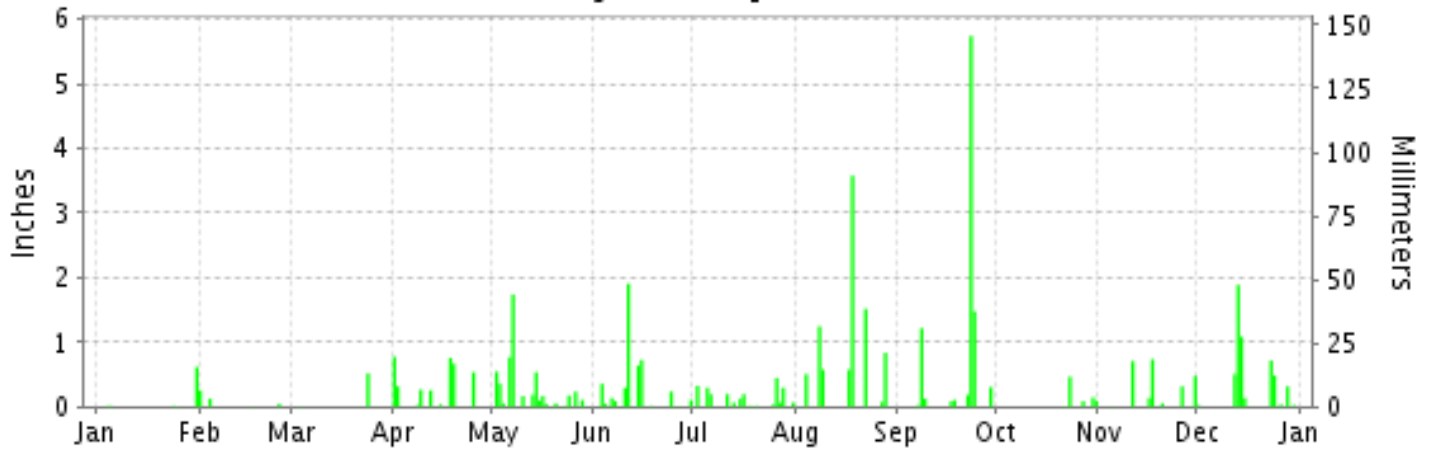
ISSN 0198-3172

OMAHA, NEBRASKA (KOMA)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
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ENVIRONMENTAL SATELLITE, DATA
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NATIONAL CENTERS for
ENVIRONMENTAL INFORMATION (NCEI)
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NCEI

METEOROLOGICAL DATA FOR 2015

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	38.8	30.9	58.4	65.6	70.8	83.4	86.9	82.9	82.0	68.2	54.7	41.8	63.7	
	HIGHEST DAILY MAXIMUM	59	53	88	85	84	97	99	97	98	91	79	61	99	
	DATE OF OCCURRENCE	28+	07	16	01	27	09	24	02	06	11	02	10	JUL 24	
	MEAN DAILY MINIMUM	16.8	10.6	29.0	42.8	52.5	63.4	67.0	63.4	61.2	46.6	35.6	26.4	42.9	
	LOWEST DAILY MINIMUM	-4	-6	3	30	39	54	52	50	45	34	20	6	-6	
	DATE OF OCCURRENCE	13	05	05	22	21+	01	08	25	12	30	27	31	FEB 05	
	AVERAGE DRY BULB	27.8	20.8	43.7	54.2	61.6	73.4	77.0	73.2	71.6	57.4	45.2	34.1	53.3	
	MEAN WET BULB	24.3	18.8	36.3	47.3	56.4	66.7	70.0	67.1	64.7	49.9	40.4	31.6	47.8	
	MEAN DEW POINT	18.2	12.2	26.1	38.9	51.5	62.8	66.4	63.7	60.9	42.9	34.8	27.9	42.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	4	15	2	8	1	0	0	0	30
	MAXIMUM <= 32°	8	13	2	0	0	0	0	0	0	0	2	7	32	
MINIMUM <= 32°	29	28	19	2	0	0	0	0	0	0	11	24	113		
MINIMUM <= 0°	4	5	0	0	0	0	0	0	0	0	0	0	9		
H/C	HEATING DEGREE DAYS	1148	1232	652	319	138	0	1	3	34	253	587	947	5314	
	COOLING DEGREE DAYS	0	0	0	5	41	262	380	265	238	24	0	0	1215	
RH	MEAN (PERCENT)	70	69	56	60	71	71	72	75	72	63	71	80	69	
	HOUR 00 LST	77	73	65	70	78	82	81	85	79	71	76	82	77	
	HOUR 06 LST	79	77	76	76	83	87	88	90	88	77	81	85	82	
	HOUR 12 LST	61	63	43	51	62	62	61	62	61	51	60	73	59	
	HOUR 18 LST	63	62	38	47	58	58	59	61	61	54	66	76	59	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	0	1	1	0	0	0	0	0	0	0	2	4	
	THUNDERSTORMS	0	0	0	7	7	9	11	9	9	1	3	1	57	
PR	MEAN STATION PRESS. (IN.)	29.13	29.16	29.07	28.90	28.95	28.87	28.88	28.93	28.93	29.02	28.96	28.89	28.97	
	MEAN SEA-LEVEL PRESS. (IN.)	30.23	30.25	30.14	29.94	29.99	29.90	29.90	29.96	29.96	30.07	30.02	29.96	30.03	
WINDS	RESULTANT SPEED (MPH)	3.2	2.3	1.1	0.4	3.1	1.2	3.2	3.4	6.5	1.7	2.6	2.1	1.2	
	RES. DIR. (TENS OF DEGS.)	31	35	13	07	16	11	13	17	15	17	19	31	16	
	MEAN SPEED (MPH)	10.4	11.1	10.1	11.0	10.9	8.3	8.1	8.8	10.9	9.1	11.8	11.0	10.1	
	PREVAIL.DIR.(TENS OF DEGS.)	33	34	15	17	15	15	15	16	16	16	16	16	16	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	44	37	40	38	45	32	31	33	44	32	37	32	45	
	DIR. (TENS OF DEGS.)	32	35	09	31	15	01	15	13	11	31	27	15	15	
	DATE OF OCCURRENCE	08	11	24	20	10	11	24	28	23	12	19	22	MAY 10	
	MAXIMUM 3-SECOND WIND:														
SPEED (MPH)	56	46	48	46	58	40	39	44	60	44	49	40	60		
DIR. (TENS OF DEGS.)	30	35	09	32	15	01	15	13	07	32	30	15	07		
DATE OF OCCURRENCE	08	01	24	20	10	11	24	28	23	12	11	22	SEP 23		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.69	0.45	0.54	3.67	5.34	4.61	2.40	8.95	9.31	0.83	2.47	5.26	44.52	
	GREATEST 24-HOUR (IN.)	0.62	0.79	0.52	1.17	2.49	2.21	0.50	3.83	5.76	0.47	0.79	2.30	5.76	
	DATE OF OCCURRENCE	31	31-01	24	18-19	06-07	10-11	05-06	17-18	23-24	23	16-17	13-14	SEP 23-24	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	5	4	3	9	19	13	14	9	10	6	8	10	110		
PRECIPITATION 0.10	1	2	1	7	12	8	8	7	7	3	5	7	68		
PRECIPITATION 1.00	0	0	0	0	1	1	0	3	3	0	0	2	10		
SNOWFALL	SNOW,ICE PELLETS,HAIL	4.1	6.4	0.2	T	0.0	0.0	0.0	0.0	T	0.0	1.9	12.3	24.9	
	TOTAL (IN.)	2.8	3.0	0.2	T	0.0	0.0	0.0	0.0	T	0.0	1.9	7.0	7.0	
	GREATEST 24-HOUR (IN.)	31	01	04	09+					23+		30	24	DEC 24	
	DATE OF OCCURRENCE	1	8	T	0	0	0	0	0	0	0	T	7	8	
	MAXIMUM SNOW DEPTH (IN.)	09+	06+	04+								28+	25	FEB 06+	
	DATE OF OCCURRENCE														
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	2	0	0	0	0	0	0	0	0	1	2	6		

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	33.4	38.1	50.9	63.7	73.8	83.2	87.3	85.1	77.6	64.7	48.9	35.3	61.8	
	MEAN DAILY MAXIMUM	67	31.8	37.1	49.2	63.5	74.1	83.4	87.8	85.4	77.4	65.8	49.5	36.1	61.8	
	HIGHEST DAILY MAXIMUM	78	69	78	91	97	101	105	114	110	104	96	83	72	114	
	YEAR OF OCCURRENCE		2012	1972	2012	1989	2013	1953	1936	1936	1939	1938	1999	1939	1939	JUL 1936
	MEAN OF EXTREME MAXS.	67	54.3	60.0	75.4	86.3	90.4	96.4	99.1	97.4	92.7	84.9	71.2	58.5	80.6	
	NORMAL DAILY MINIMUM	30	13.6	18.1	28.1	39.8	50.9	61.0	66.2	64.0	53.9	41.6	28.8	16.7	40.2	
	MEAN DAILY MINIMUM	67	12.2	17.4	27.8	40.2	51.5	61.4	66.6	64.2	54.2	42.2	29.0	17.5	40.4	
	LOWEST DAILY MINIMUM	78	-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	1989	DEC 1989
	MEAN OF EXTREME MINS.	67	-9.2	-4.1	7.3	24.0	36.3	47.6	55.1	52.1	37.6	25.7	11.5	-2.3	23.5	
	NORMAL DRY BULB	30	23.5	28.1	39.5	51.7	62.3	72.1	76.7	74.6	65.7	53.2	38.9	26.0	51.0	
	MEAN DRY BULB	67	22.0	27.3	38.4	51.9	62.8	72.5	77.2	74.8	65.8	54.0	39.3	26.8	51.1	
	MEAN WET BULB	31	19.7	22.8	33.1	42.9	53.6	63.5	68.1	66.6	57.6	45.2	32.7	23.0	44.1	
	MEAN DEW POINT	31	18.1	21.1	30.7	40.0	51.8	61.9	67.0	65.5	55.9	43.3	31.0	21.5	42.3	
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.4	1.1	5.3	10.8	7.6	2.8	0.1	0.0	0.0	28.1	
	MAXIMUM <= 32	30	13.3	9.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.8	11.6	39.5	
MINIMUM <= 32	30	30.1	25.4	20.4	6.5	0.2	0.0	0.0	0.0	0.3	4.9	19.1	29.2	136.1		
MINIMUM <= 0	30	4.8	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.9	10.7		
H/C	NORMAL HEATING DEG. DAYS	30	1286	1033	791	413	148	17	1	7	95	382	785	1209	6167	
	NORMAL COOLING DEG. DAYS	30	0	0	1	15	66	230	365	303	117	15	1	0	1113	
RH	NORMAL (PERCENT)	30	73	73	68	63	66	68	71	74	71	68	72	76	70	
	HOURLY 00 LST	30	77	79	74	70	75	78	80	83	81	76	78	80	78	
	HOURLY 06 LST	30	80	81	80	78	82	84	86	89	87	83	82	82	83	
	HOURLY 12 LST	30	67	65	59	53	55	56	59	61	57	55	64	69	60	
	HOURLY 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)	51	1.8	1.8	1.2	0.7	1.0	0.3	0.6	1.7	1.6	1.3	1.6	2.3	15.9	
	THUNDERSTORMS	67	0.1	0.4	1.5	4.1	7.6	9.0	8.2	7.4	5.0	2.4	0.8	0.2	46.7	
CLOUDINESS	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)	28	29.03	29.05	28.97	28.88	28.88	28.87	28.91	28.94	28.96	28.98	28.99	29.03	28.96	
	MEAN SEA-LEVEL PRES. (IN)	28	30.13	30.14	30.03	29.93	29.92	29.89	29.94	29.97	30.00	30.03	30.07	30.12	30.01	
WINDS	MEAN SPEED (MPH)	31	10.2	10.4	11.3	11.7	10.5	9.6	8.6	8.2	9.1	9.7	10.4	10.2	10.0	
	PREVAIL.DIR.(TENS OF DEGS)	45	35	35	35	17	17	17	17	16	17	16	17	17	17	
	MAXIMUM 2-MINUTE: SPEED (MPH)	19	47	43	52	54	62	54	56	70	48	48	46	45	70	
	DIR. (TENS OF DEGS)		33	17	18	32	27	30	03	03	27	11	32	33	03	
	YEAR OF OCCURRENCE		2014	2009	2009	2004	2014	2010	2001	2011	2006	1998	2003	2010	AUG 2011	
	MAXIMUM 3-SECOND SPEED (MPH)	19	61	53	68	64	86	72	70	92	60	64	55	56	92	
	DIR. (TENS OF DEGS)		33	19	18	19	17	34	02	03	07	30	28	33	03	
YEAR OF OCCURRENCE		2014	2009	2009	2001	1998	2014	2001	2011	2015	2012	1998	2010	AUG 2011		
PRECIPITATION	NORMAL (IN)	30	0.72	0.85	1.99	2.96	4.76	4.18	3.83	3.82	2.68	2.15	1.64	1.04	30.62	
	MAXIMUM MONTHLY (IN)	78	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)	78	T	0.06	0.12	0.23	0.56	0.24	0.01	0.61	0.41	T	0.03	T	0.01	
	YEAR OF OCCURRENCE		1986	2006	1956	1936	1948	2007	2012	1984	1953	1952	2007	1943	JUL 2012	
	MAXIMUM IN 24 HOURS (IN)	78	1.52	2.24	2.44	2.82	5.63	5.30	3.37	10.48	6.47	3.13	2.53	3.03	10.48	
	YEAR OF OCCURRENCE		1967	1954	2004	1999	2007	2014	1958	1999	1965	1968	1948	1984	AUG 1999	
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	6.0	6.5	8.2	10.2	12.3	11.0	10.3	8.3	8.0	7.1	6.7	6.6	101.2	
PRECIPITATION >= 1.00	30	0.0	0.0	0.4	0.6	1.2	1.0	1.0	1.2	0.8	0.5	0.4	0.1	7.2		
SNOWFALL	NORMAL (IN)	30	6.1	6.1	4.2	1.0	0.0	0.0	0.0	0.0	0.0	0.3	2.5	6.2	26.4	
	MAXIMUM MONTHLY (IN)	77	25.7	25.4	27.2	10.0	3.1	T	T	T	T	7.2	12.0	24.6	27.2	
	YEAR OF OCCURRENCE		1936	1965	1948	1992	2013	2014	2009	2012	2015	1941	1957	2009	MAR 1948	
	MAXIMUM IN 24 HOURS (IN)	70	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	2014	2009	2012	2015	1941	1957	1969	FEB 1965	
	MAXIMUM SNOW DEPTH (IN)	66	21	26	27	8	2	0	0	0	0	5	9	17	27	
	YEAR OF OCCURRENCE		2010	2004	1960	1992	2013					1997	1957	1983	MAR 1960	
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	1.8	2.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.1	1.0	2.1	8.8		

PRECIPITATION (inches) 2015 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2011	1.14	0.59	0.71	3.31	5.08	4.31	3.33	5.84	0.99	0.39	1.31	1.71	28.71
2012	0.06	2.29	1.12	3.72	3.56	3.57	0.01	2.39	1.59	2.07	0.38	1.85	22.61
2013	0.50	0.79	1.98	5.33	5.74	4.74	0.44	1.72	2.72	3.78	1.06	0.20	29.00
2014	0.14	0.72	0.21	2.62	3.13	10.52	1.72	9.59	6.11	2.48	0.22	1.68	39.14
2015	0.69	0.45	0.54	3.67	5.34	4.61	2.40	8.95	9.31	0.83	2.47	5.26	44.52
POR= 67 YRS	0.76	0.93	1.84	2.96	4.49	4.21	3.61	4.10	3.16	2.14	1.47	0.98	30.65

WBAN : 14942

AVERAGE TEMPERATURE (°F) 2015 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2011	18.3	26.1	39.3	51.7	62.5	73.3	82.0	76.5	63.8	57.1	41.5	30.2	51.9
2012	31.0	31.4	56.5	57.0	68.4	76.1	84.9	75.7	65.4	51.1	42.9	29.2	55.8
2013	25.6	29.4	34.3	47.3	62.0	72.0	76.3	76.8	71.0	52.9	37.5	22.2	50.6
2014	20.9	21.7	36.3	51.8	64.3	73.5	73.7	75.4	66.3	55.3	34.0	31.5	50.4
2015	27.8	20.8	43.7	54.2	61.6	73.4	77.0	73.2	71.6	57.4	45.2	34.1	53.3
POR= 67 YRS	22.0	27.3	38.4	51.9	62.8	72.5	77.2	74.8	65.8	54.0	39.3	26.8	51.1

HEATING DEGREE DAYS (base 65°F) 2015 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2010-11	0	0	48	249	745	1243	1438	1084	791	399	162	2	6161
2011-12	0	0	116	281	696	1073	1048	967	296	263	47	9	4796
2012-13	0	6	86	428	654	1103	1213	991	946	530	177	16	6150
2013-	5	0	17	385	819	1318							
2013-14	5	0	17	385	819	1318	1358	1203	879	403	143	6	6536
2014-15	4	0	74	300	923	1030	1148	1232	652	319	138	0	5820
2015-	1	3	34	253	587	947							

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COOLING DEGREE DAYS (base 65°F) 2015 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2011	0	0	0	5	94	257	531	361	85	45	0	0	1378
2012	0	0	38	30	160	348	624	342	105	2	0	0	1649
2013	0	0	0	7	89	235	360	375	207	21	0	0	1294
2014	0	0	0	15	128	267	281	332	120	6	0	0	1149
2015	0	0	0	5	41	262	380	265	238	24	0	0	1215

SNOWFALL (inches) 2015 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2010-11	0.0	0.0	0.0	0.0	3.4	4.8	13.9	7.4	5.4	T	0.0	T	34.9
2011-12	0.0	T	0.0	0.0	1.3	6.3	1.2	11.6	0.0	T	T	0.0	20.4
2012-13	0.0	T	0.0	0.0	T	7.4	4.7	9.3	11.1	0.1	3.1	0.0	35.7
2013-	0.0	0.0	0.0	0.0	0.4	3.1							
2013-14	0.0	0.0	0.0	0.0	0.4	3.1	1.9	9.5	2.3	0.6	T	T	17.8
2014-15	0.0	0.0	0.0	0.0	2.4	0.7	4.1	6.4	0.2	T	0.0	0.0	13.8
2015-	0.0	0.0	T	0.0	1.9	12.3							
POR= 64 YRS	T	T	T	0.3	2.4	5.9	7.0	6.7	5.8	0.8	0.1	T	29.0

WBAN : 14942

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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>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</p>	<p>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 EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE: The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p>
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2015
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.

Station History

OMAHA, NE

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
OMAHA WB AP	1932-01-01	1935-06-01	41° 18'	-95° 54'	997		AIRWAYS
OMAHA EPPLEY AIRFIELD	1973-01-01	1977-01-01	41° 18'	-95° 54'	997		COOP, WXSVC
OMAHA EPPLEY AIRFIELD	1996-02-22	2012-02-01	41° 18'	-95° 53'	982		AIRWAYS, ASOS, COOP
OMAHA WB AP	1930-11-01	1932-01-01	41° 18'	-95° 54'			AIRWAYS
OMAHA EPPLEY AIRFIELD	1995-10-01	1996-02-22	41° 18'	-95° 52'	982		AIRWAYS, COOP
OMAHA EPPLEY AIRFIELD	1977-01-01	1995-10-01	41° 18'	-95° 54'	997		AIRWAYS, COOP
OMAHA MUNICIPAL AP	1935-06-01	1941-06-12	41° 18'	-95° 54'	997		AIRWAYS
OMAHA EPPLEY AIRFIELD	2012-02-01	Present	41° 18'	-95° 53'	982		AIRWAYS, ASOS, COOP
OMAHA FORT CROOK	1929-06-01	1930-10-31	41° 7'	-95° 55'			AIRWAYS
OMAHA EPPLEY AIRFIELD	1941-06-12	1947-12-01	41° 18'	-95° 54'	997		AIRWAYS
OMAHA EPPLEY AIRFIELD	1947-12-01	1973-01-01	41° 18'	-95° 54'	997		AIRWAYS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
WIND	2003-09-29	2006-09-13	HOURLY	UNKN	ANEMCUP		
PRECIP	1994-08-01	1995-07-01	HOURLY	2400			
TEMP	2003-09-29	2006-09-13	DAILY	2400	ATEMP		
PRECIP	1930-11-01	1994-08-01	DAILY	2400			
WIND	1996-02-22	2003-09-29	HOURLY	UNKN	ANEMCUP		
TEMP	1930-11-01	1994-08-01	DAILY	2400			
PRECIP	1995-07-01	1995-10-01	DAILY	2400	UNIV	RCRD	
PRECIP	2003-09-29	2006-09-13	DAILY	2400	PCPNX		
PRECIP	2003-09-29	2006-09-13	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1994-08-01	1995-07-01	DAILY	2400	HYGR		
PRECIP	1995-10-01	1996-02-22	HOURLY	2400	AHTB	RCRD;HTD	
TEMP	1996-02-22	2003-09-29	DAILY	2400	HYGR		
PRECIP	2006-09-13	Present	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	1994-08-01	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1995-07-01	1995-10-01	DAILY	2400	HYGR		
PRECIP	1996-02-22	2003-09-29	HOURLY	2400	AHTB	RCRD;HTD	
PRECIP	2006-09-13	Present	DAILY	2400	PCPNX		
TEMP	2006-09-13	Present	DAILY	2400	ATEMP		
PRECIP	1995-07-01	1995-10-01	HOURLY	2400	UNIV	RCRD	
PRECIP	1995-10-01	1996-02-22	DAILY	2400	AHTB	RCRD;HTD	
TEMP	1995-10-01	1996-02-22	DAILY	2400	HYGR		
PRECIP	1996-02-22	2003-09-29	DAILY	2400	AHTB	RCRD;HTD	
WIND	2006-09-13	Present	HOURLY	UNKN	ANEMSONIC		

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

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