

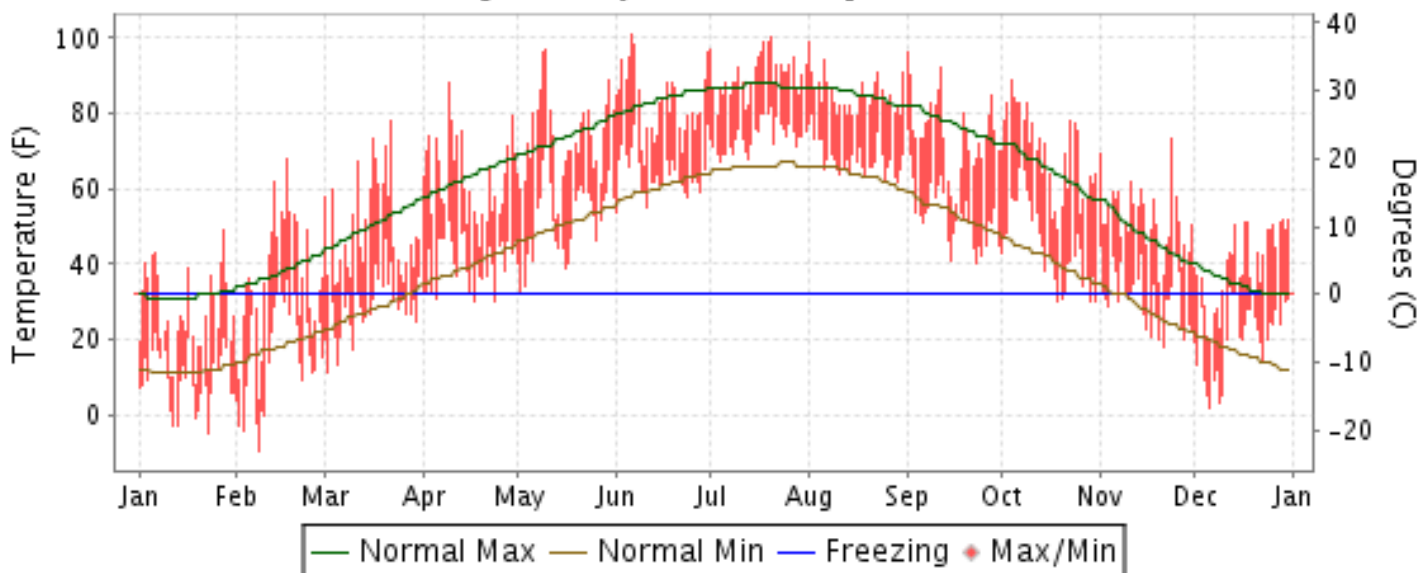


2011 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

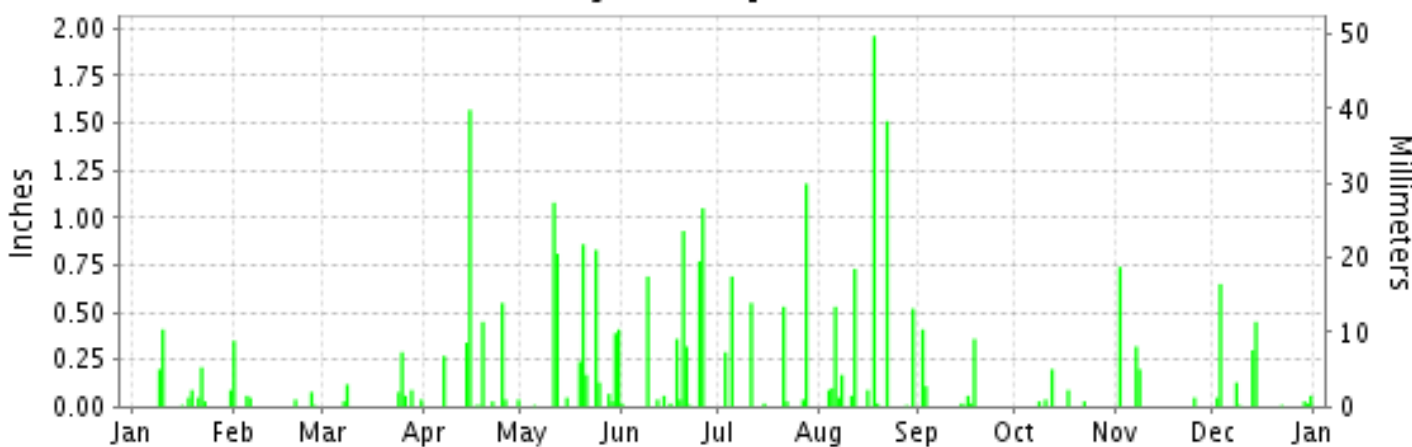
ISSN 0198-3172

OMAHA, NEBRASKA (KOMA)

Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

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 2011

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	26.9	36.3	49.8	62.9	73.2	82.5	90.1	84.9	74.2	69.3	51.9	39.6	61.8	
	HIGHEST DAILY MAXIMUM	49	68	78	88	97	101	100	99	96	89	73	52	101	
	DATE OF OCCURRENCE	28	17	22	09	10	06	20	01	01	04	24	31+	JUN 06	
	MEAN DAILY MINIMUM	9.7	15.9	28.7	40.5	51.8	64.1	73.8	68.0	53.3	44.8	31.1	20.7	41.9	
	LOWEST DAILY MINIMUM	-5	-10	11	30	32	54	67	62	40	30	18	2	-10	
	DATE OF OCCURRENCE	23	08	02	24+	02	01	04	29+	23	31+	21	06	FEB 08	
	AVERAGE DRY BULB	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	
	MEAN WET BULB	16.6	23.3	34.9	45.1	54.8	65.8	74.6	69.6	56.8	48.6	36.4	28.3	46.2	
	MEAN DEW POINT	12.2	17.9	29.2	37.8	47.8	61.5	71.5	66.2	51.1	40.3	29.2	23.5	40.7	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	2	5	16	5	3	0	0	0	0	31
	MAXIMUM <= 32°	20	10	0	0	0	0	0	0	0	0	0	7	37	
	MINIMUM <= 32°	31	24	23	5	1	0	0	0	0	4	18	28	134	
MINIMUM <= 0°	4	5	0	0	0	0	0	0	0	0	0	0	9		
H/C	HEATING DEGREE DAYS	1438	1084	791	399	162	2	0	0	116	281	696	1073	6042	
	COOLING DEGREE DAYS	0	0	0	5	94	257	531	361	85	45	0	0	1378	
RH	MEAN (PERCENT)	77	73	71	64	63	69	73	73	67	58	65	76	69	
	HOUR 00 LST	81	77	79	70	74	77	81	81	76	63	71	81	76	
	HOUR 06 LST	81	82	84	79	81	82	84	84	83	76	76	82	81	
	HOUR 12 LST	72	65	60	55	53	60	63	64	54	47	56	66	60	
	HOUR 18 LST	75	67	60	52	47	58	63	63	50	46	56	72	59	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	1	1	0	1	0	0	0	0	2	2	2	3	12	
	THUNDERSTORMS	0	0	0	1	9	10	7	12	2	1	1	0	43	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (<= 12,000 FT.)														
SATELLITE (> 12,000 FT.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.04	29.01	29.02	28.76	28.80	28.79	28.87	28.88	29.01	28.95	28.94	29.08	28.93	
	MEAN SEA-LEVEL PRESS. (IN.)	30.14	30.10	30.10	29.80	29.84	29.82	29.89	29.90	30.06	30.01	30.01	30.17	29.99	
WINDS	RESULTANT SPEED (MPH)	3.5	2.1	1.6	2.7	2.4	2.6	4.6	2.7	1.8	2.4	0.6	1.2	0.4	
	RES. DIR. (TENS OF DEGS.)	33	33	05	01	14	15	15	13	36	18	24	31	11	
	MEAN SPEED (MPH)	9.5	10.8	10.3	12.4	11.5	11.0	8.5	7.3	7.3	9.9	10.8	8.7	9.8	
	PREVAIL.DIR.(TENS OF DEGS.)	35	15	15	34	14	16	16	14	01	15	16	16	15	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	39	33	36	44	40	52	44	70	40	36	39	35	70	
	DIR. (TENS OF DEGS.)	33	34	27	16	16	22	29	03	31	17	34	32	03	
	DATE OF OCCURRENCE	07	01	22	29	30	20	11	18	02	06	26	31	AUG 18	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	49	41	47	55	54	69	56	92	49	46	51	44	92	
DIR. (TENS OF DEGS.)	32	34	15	33	15	24	30	03	31	17	33	31	03		
DATE OF OCCURRENCE	07	01	19	03	24	20	11	18	02	06	26	30	AUG 18		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	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	
	GREATEST 24-HOUR (IN.)	0.55	0.35	0.37	1.68	1.20	1.05	1.18	1.96	0.49	0.20	0.74	0.75	1.96	
	DATE OF OCCURRENCE	09-10	01	24-25	14-15	11-12	26	28	18	02-03	12	02	13-14	AUG 18	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	9	6	7	10	13	12	8	13	7	5	4	10	104	
PRECIPITATION 0.10	3	1	2	5	9	6	5	7	3	1	3	4	49		
PRECIPITATION 1.00	0	0	0	1	1	1	1	2	0	0	0	0	6		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	13.9	7.4	5.4	T	0.0	T	0.0	T	0.0	0.0	1.3	6.3	34.3	
	GREATEST 24-HOUR (IN.)	5.7	6.2	4.0	T	0.0	T	0.0	T	0.0	0.0	1.3	4.0	6.2	
	DATE OF OCCURRENCE	09-10	01	24-25	15		20		18+			02	03	FEB 01	
	MAXIMUM SNOW DEPTH (IN.)	9	9	4	0	0	0	0	0	0	0	0	5	9	
	DATE OF OCCURRENCE	24+	04+	25									10+	FEB 04+	
	NUMBER OF DAYS WITH:														
SNOWFALL >= 1.0	4	1	1	0	0	0	0	0	0	0	1	2	9		

PRECIPITATION (inches) 2011 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
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
POR= 63 YRS	0.78	0.92	1.90	2.91	4.49	4.11	3.77	4.00	3.05	2.13	1.49	0.90	30.45

WBAN : 14942

AVERAGE TEMPERATURE (°F) 2011 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
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
POR= 63 YRS	21.7	27.4	38.1	51.8	62.7	72.4	77.2	74.8	65.6	54.0	39.2	26.7	51.0

HEATING DEGREE DAYS (base 65°F) 2011 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2010-11	0	0	48	249	745	1243	1438	1084	791	399	162	2	6161
2011-	0	0	116	281	696	1073							

WBAN : 14942

COOLING DEGREE DAYS (base 65°F) 2011 OMAHA (KOMA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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
2011	0	0	0	5	94	257	531	361	85	45	0	0	1378

SNOWFALL (inches) 2011 OMAHA (KOMA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
2010-11	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-	0.0	T	0.0	0.0	1.3	6.3							
POR= 60 YRS	T	T	T	0.3	2.5	5.9	7.3	6.6	5.9	0.9	T	T	29.4

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 EIGHTHS(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.

2011

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 MUNICIPAL AP	1935-06-01	1941-06-12	41° 18'	-95° 54'	997		AIRWAYS
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 WB AP	1932-01-01	1935-06-01	41° 18'	-95° 54'	997		AIRWAYS
OMAHA FORT CROOK	1929-06-01	1930-10-31	41° 7'	-95° 55'			AIRWAYS
OMAHA EPPLEY AIRFIELD	1977-01-01	1995-10-01	41° 18'	-95° 54'	997		AIRWAYS, COOP
OMAHA EPPLEY AIRFIELD	1973-01-01	1977-01-01	41° 18'	-95° 54'	997		COOP, WXSVC
OMAHA EPPLEY AIRFIELD	1996-02-22	Present	41° 18'	-95° 53'	982		AIRWAYS, ASOS, COOP
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
PRECIP	1995-07-01	1995-10-01	HOURLY	2400	UNIV	RCRD	
TEMP	1995-10-01	Present	DAILY	2400	HYGR		
PRECIP	1995-10-01	Present	DAILY	2400	AHTB	RCRD;HTD	
PRECIP	1930-11-01	1994-08-01	DAILY	2400			
PRECIP	1994-08-01	1995-07-01	DAILY	2400	UNIV	RCRD	
TEMP	1930-11-01	1994-08-01	DAILY	2400			
PRECIP	1995-07-01	1995-10-01	DAILY	2400	UNIV	RCRD	
TEMP	1995-07-01	1995-10-01	DAILY	2400	HYGR		
PRECIP	1994-08-01	1995-07-01	HOURLY	2400			
TEMP	1994-08-01	1995-07-01	DAILY	2400	HYGR		
PRECIP	1995-10-01	Present	HOURLY	2400	AHTB	RCRD;HTD	

* 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>

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Visit our Web Site for other weather data: www.ncdc.noaa.gov