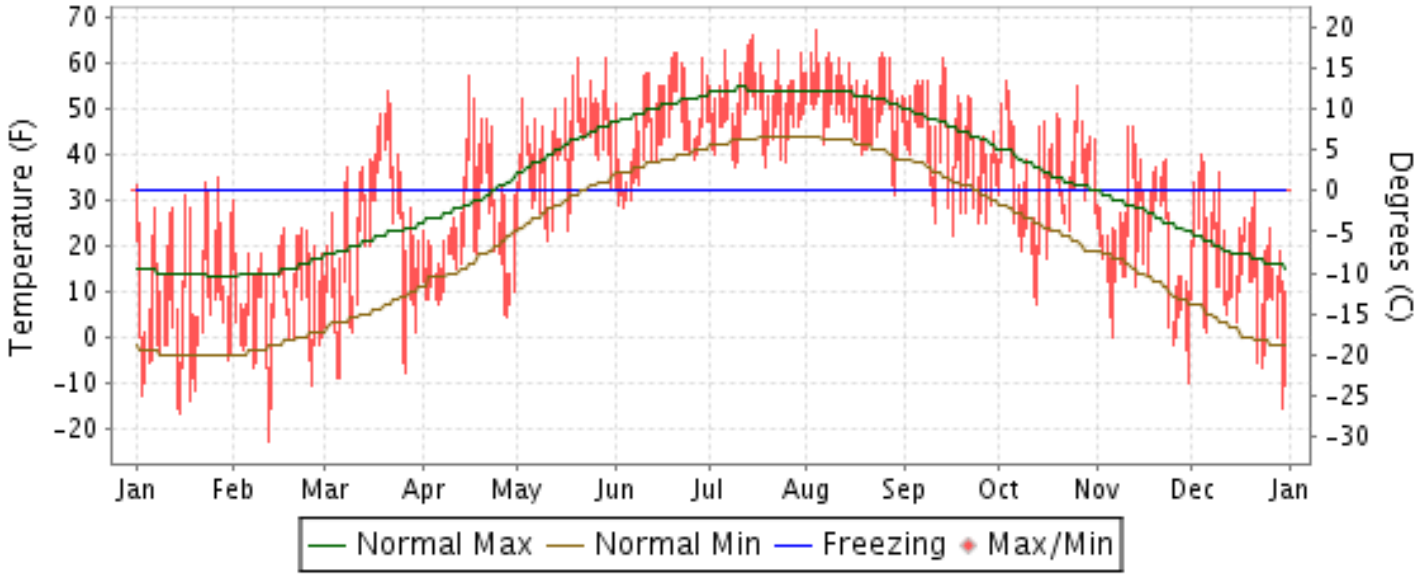
2012
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

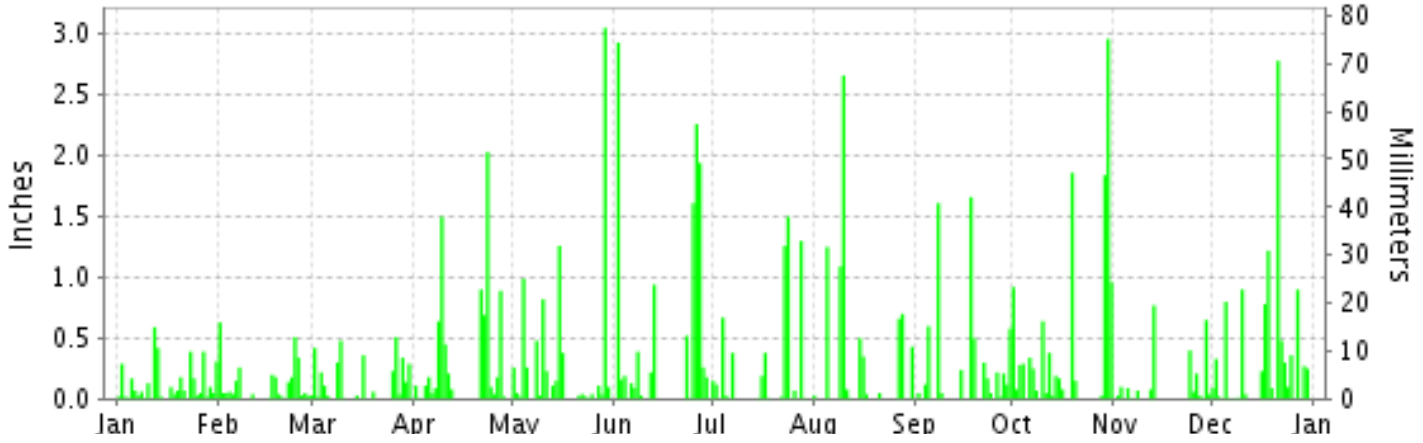
ISSN 0198-3385

MT. WASHINGTON,
GORHAM, NEW HAMPSHIRE (KMWN)

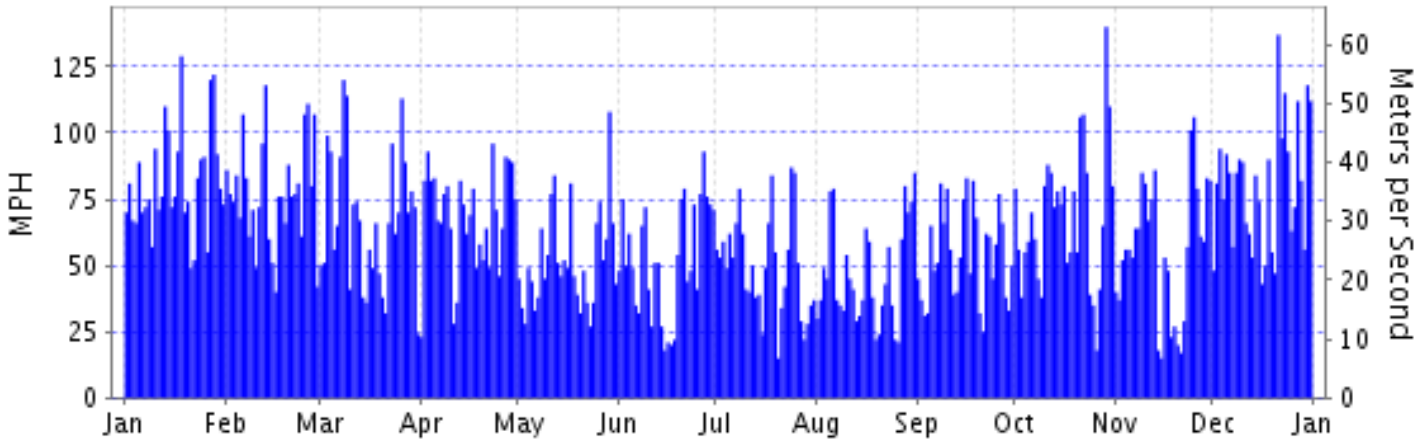
Daily Max/Min Temperature



Daily Precipitation



Max 5-SEC WIND SPEED



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METEOROLOGICAL DATA FOR 2012
MT. WASHINGTON (KMWN)

LATITUDE: 44° 16'N **LONGITUDE:** 71° 17'W **ELEVATION (FT):** GRND: 6271 BARO: 6272 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 14755

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	MEAN DAILY MAXIMUM	17.5	14.8	30.1	29.9	47.3	50.5	55.9	56.9	48.3	40.7	27.2	22.9	36.8
	HIGHEST DAILY MAXIMUM	35	30	54	57	61	62	66	67	61	56	46	40	67
	DATE OF OCCURRENCE	27	01	21	16	29+	21	15	04	13	03	12+	04	AUG 04
	MEAN DAILY MINIMUM	-0.4	1.4	15.6	17.1	35.7	40.1	44.9	45.7	35.4	28.5	14.6	8.3	23.9
	LOWEST DAILY MINIMUM	-17	-23	-9	4	21	28	37	31	22	7	-10	-16	-23
	DATE OF OCCURRENCE	15	12	06+	28	11	04	19+	29	16	13	30	30	FEB 12
	AVERAGE DRY BULB	3.9	8.1	22.9	23.5	41.5	45.3	50.4	51.3	41.9	34.6	20.9	15.6	30.0
	MEAN WET BULB													
	MEAN DEW POINT													
	NUMBER OF DAYS WITH:													
	MAXIMUM >= 90°	0	0	0	0	0	0	0	0	0	0	0	0	0
	MAXIMUM <= 32°	28	29	16	19	1	28	0	0	0	6	20	26	173
	MINIMUM <= 32°	31	29	26	27	12	31	0	1	11	20	29	31	248
	MINIMUM <= 0°	18	15	4	0	0	18	0	0	0	0	5	6	66
H/C	HEATING DEGREE DAYS	1743	1642	1301	1235	723	584	446	418	687	933	1313	1522	12547
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	MEAN (PERCENT)													
	HOUR 01 LST													
	HOUR 07 LST													
	HOUR 13 LST													
	HOUR 19 LST													
W/O	NUMBER OF DAYS WITH:													
	HEAVY FOG(VISBY <= 1/4 MI)	29	28	25	21	22	24	29	30	24	27	22	0	281
	THUNDERSTORMS	0	0	0	0	1	2	7	2	3	0	0	0	15
PR	MEAN STATION PRESS. (IN.)													
	MEAN SEA-LEVEL PRESS. (IN.)													
WINDS	RESULTANT SPEED (MPH)													
	RES. DIR. (TENS OF DEGS.)													
	MEAN SPEED (MPH)	47.6	47.2	37.8	37.9	26.6	26.3	26.5	24.1	26.9	39.0	32.0	43.1	34.6
	PREVAIL.DIR.(TENS OF DEGS.)													
	MAXIMUM 2-MINUTE WIND													
	SPEED (MPH)													
	DIR. (TENS OF DEGS.)													
	DATE OF OCCURRENCE													
	MAXIMUM 3-SECOND WIND:													
	SPEED (MPH)	129	118	120	96	108	93	87	85	83	140	106	137	140
	DIR. (TENS OF DEGS.)	27	27	23	14	27	32	36	32	27	09	32	13	09
	DATE OF OCCURRENCE	18	13	08	23	29	27	24	31	16	29	25	21	OCT 29
PRECIPITATION	WATER EQUIVALENT:	3.81	3.04	3.59	8.28	8.48	11.86	6.10	7.85	6.50	11.57	2.55	9.97	83.60
	TOTAL (IN.)	0.66	0.72	0.78	2.29	3.05	3.01	2.76	3.49	2.16	3.28	0.85	2.78	3.49
	GREATEST 24-HOUR (IN.)	12-13	24-25	08-09	22-23	29	02-03	23-24	09-10	18-19	29-30	12-13	21	AUG 09-10
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	27	21	17	19	22	16	15	13	16	20	14	21	221
	PRECIPITATION 0.01	12	9	11	13	13	13	9	8	12	14	5	14	133
	PRECIPITATION 0.10	0	0	0	2	2	4	3	3	2	3	0	2	21
	PRECIPITATION 1.00													
SNOWFALL	SNOW,ICE PELLETS,HAIL	38.8	32.8	36.7	40.2	3.9	2.3	0.1	0.0	0.6	11.2	23.4	69.8	259.8
	TOTAL (IN.)	6.7	5.0	9.8	10.0	1.5	1.6	0.1	0.0	0.4	3.4	9.0	15.5	15.5
	GREATEST 24-HOUR (IN.)	12	24	01	09	11+	04	24		15	07	29	27	DEC 27
	DATE OF OCCURRENCE	29	28	30	14	2	1	0	0	0	3	7	22	30
	MAXIMUM SNOW DEPTH (IN.)	25+	02	05	13+	01	06+				14+	30	30	MAR 05
	DATE OF OCCURRENCE													
	NUMBER OF DAYS WITH:	14	12	9	10	2	01	0	0	0	3	7	14	72
	SNOWFALL >= 1.0													

NORMALS, MEANS, AND EXTREMES
MT. WASHINGTON (KMWN)

LATITUDE: 44° 16'N **LONGITUDE:** 71° 17'W **ELEVATION (FT):** GRND: 6271 BARO: 6272 **TIME ZONE:** EASTERN (UTC -5) **WBAN:** 14755

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	13.6	14.7	20.7	30.4	41.3	50.4	54.1	53.3	47.1	36.4	28.1	18.4	34.0
	MEAN DAILY MAXIMUM	67	13.8	14.0	20.1	29.8	41.4	50.6	54.4	53.1	46.7	36.9	27.5	17.9	33.9
	HIGHEST DAILY MAXIMUM	80	47	43	54	60	66	72	71	72	69	62	52	47	72
	YEAR OF OCCURRENCE		1995	1999	2012	1976	1977	2003	1953	1975	1999	2005	1982	2001	JUN 2003
	MEAN OF EXTREME MAXS.	67	36.0	34.5	39.7	47.1	57.5	63.2	65.2	63.9	60.1	57.0	46.2	38.2	50.7
	NORMAL DAILY MINIMUM	30	-4.1	-2.4	5.0	17.4	29.8	39.5	44.0	43.0	36.1	24.0	13.3	1.7	20.6
	MEAN DAILY MINIMUM	67	-2.9	-2.2	5.3	16.6	29.0	38.6	43.4	42.2	35.4	24.8	14.2	2.2	20.6
	LOWEST DAILY MINIMUM	80	-47	-46	-38	-20	-2	8	24	20	9	-5	-20	-46	-47
	YEAR OF OCCURRENCE		1934	1943	1950	1995	1966	1945	2001	1986	1992	1939	1958	1933	JAN 1934
	MEAN OF EXTREME MINS.	67	-29.8	-26.0	-18.4	-2.2	12.4	24.3	32.1	29.5	19.0	7.1	-6.0	-22.3	1.6
	NORMAL DRY BULB	30	4.7	6.1	12.8	23.9	35.5	45.0	49.1	48.1	41.6	30.2	20.7	10.1	27.3
	MEAN DRY BULB	66	5.2	5.9	12.7	23.2	35.2	44.7	48.9	47.6	41.1	30.9	20.9	10.4	27.2
	MEAN WET BULB														
	MEAN DEW POINT														
	NORMAL NO. DAYS WITH:														
	MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MAXIMUM <= 32	30	28.6	25.5	24.8	16.7	4.9	0.3	0.0	0.1	1.5	10.4	17.8	26.6	157.2
	MINIMUM <= 32	30	30.7	27.9	30.7	27.7	18.1	4.6	0.5	1.5	9.2	23.9	28.1	30.9	233.8
	MINIMUM <= 0	30	18.3	15.6	10.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	3.7	13.0	62.1
H/C	NORMAL HEATING DEG. DAYS	30	1868	1648	1617	1233	913	602	495	522	702	1079	1329	1703	13711
	NORMAL COOLING DEG. DAYS	30	0	0	0	0	0	0	0	0	0	0	0	0	0
RH	NORMAL (PERCENT)	30													
	HOUR 01 LST	30													
	HOUR 07 LST	30													
	HOUR 13 LST	30													
	HOUR 19 LST	30													
S	PERCENT POSSIBLE SUNSHINE	72	32	35	34	35	36	32	30	31	35	38	29	30	33
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	50	27.3	23.1	24.6	22.8	22.1	22.5	26.7	27.3	25.1	24.8	24.5	24.8	295.6
	THUNDERSTORMS	65	0.1	0.1	0.3	0.9	1.7	3.2	4.4	2.9	0.9	0.5	0.3	0.1	15.4
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	67	6.2	6.2	6.2	6.2	6.2	6.6	6.4	6.2	5.9	5.7	6.3	6.2	6.2
	MIDNIGHT-MIDNIGHT (OKTAS)	33	6.3	6.2	6.2	6.3	6.2	6.5	6.3	6.2	6.0	5.7	6.2	6.2	6.2
	MEAN NO. DAYS WITH:														
	CLEAR	73	4.5	4.3	4.5	4.0	3.3	2.2	1.5	2.7	4.3	5.6	3.5	4.2	44.6
	PARTLY CLOUDY	73	5.8	5.5	5.4	6.4	7.5	7.2	7.6	8.2	6.8	6.2	5.1	5.0	76.7
	CLOUDY	73	20.8	18.4	21.0	19.7	20.2	20.8	21.9	20.4	18.9	18.9	21.5	21.5	244.0
PR	MEAN STATION PRESSURE(IN)														
	MEAN SEA-LEVEL PRES. (IN)														
WINDS	MEAN SPEED (MPH)	31	45.8	44.0	40.3	34.5	29.7	27.2	25.7	24.3	28.8	34.9	40.2	44.8	35.0
	PREVAIL.DIR(TENS OF DEGS)														
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)														
	DIR. (TENS OF DEGS)														
	YEAR OF OCCURRENCE														
	MAXIMUM 3-SECOND														
	SPEED (MPH)	80	173	166	180	231	164	136	154	142	174	161	163	178	231
	DIR. (TENS OF DEGS)		31	09	27	14	27	31	27	06	14	27	31	31	14
	YEAR OF OCCURRENCE		1985	1972	1942	1934	1945	1949	1996	1954	1979	1943	1983	1980	APR 1934
PRECIPITATION	NORMAL (IN)	30	6.44	6.77	7.67	7.44	8.18	8.40	8.77	8.32	8.03	9.27	9.85	7.73	96.87
	MAXIMUM MONTHLY (IN)	80	18.23	25.56	15.98	15.21	19.28	19.96	16.85	20.69	18.82	28.70	19.56	17.95	28.70
	YEAR OF OCCURRENCE		1958	1969	1977	1988	1997	1998	1996	1991	1999	2005	1983	1973	OCT 2005
	MINIMUM MONTHLY (IN)	80	1.29	0.98	2.15	2.19	1.78	2.43	2.69	2.46	2.74	0.75	2.31	1.49	0.75
	YEAR OF OCCURRENCE		1981	1980	1946	1959	1951	1979	1955	1996	1948	1947	1939	1955	OCT 1947
	MAXIMUM IN 24 HOURS (IN)	80	4.85	10.38	6.45	8.30	4.60	6.50	7.37	6.66	6.70	10.82	6.07	8.64	10.82
	YEAR OF OCCURRENCE		1986	1970	1999	1984	1967	1973	1969	2011	1999	1996	1968	1969	OCT 1996
	NORMAL NO. DAYS WITH:														
	PRECIPITATION >= 0.01	30	19.7	17.9	19.0	17.4	17.4	16.8	16.5	15.2	13.9	16.8	19.1	20.7	210.4
	PRECIPITATION >= 1.00	30	1.4	1.6	1.9	2.0	2.2	2.0	2.9	2.6	2.4	2.3	3.0	1.7	26.0
SNOWFALL	NORMAL (IN)	30	44.0	40.1	45.1	35.6	12.2	1.0	0.0	0.1	2.2	17.6	37.8	45.5	281.2
	MAXIMUM MONTHLY (IN)	80	94.6	172.8	98.0	110.9	95.8	8.1	1.1	2.5	7.8	78.9	86.6	103.7	172.8
	YEAR OF OCCURRENCE		1978	1969	1970	1988	1997	1959	1957	1965	1949	2000	1968	1968	FEB 1969
	MAXIMUM IN 24 HOURS (IN)	80	24.0	49.3	27.4	27.2	22.2	5.1	1.1	2.5	7.7	25.7	25.0	37.5	49.3
	YEAR OF OCCURRENCE'		1978	1969	1969	1988	1967	1988	1957	1965	1986	2005	1968	1968	FEB 1969
	MAXIMUM SNOW DEPTH (IN)	63	29	38	42	41	30	6	4	1	5	32	25	28	42
	YEAR OF OCCURRENCE		2012	1970	1970	1956	1953	1949	1988	1976	1949	2005	1972	1972	MAR 1970
	NORMAL NO. DAYS WITH:														
	SNOWFALL >= 1.0	30	12.3	10.5	11.0	8.4	3.2	0.2	0.0	0.0	0.7	4.8	9.4	12.5	73.0

PRECIPITATION (inches) 2012 MT. WASHINGTON (KMWN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	7.93	5.67	10.26	10.73	11.43	3.60	6.96	10.32	5.57	7.29	19.56	17.38	116.70
1984	4.99	11.56	9.31	14.19	18.82	10.71	8.51	4.79	4.48	5.66	9.84	12.92	115.78
1985	5.48	10.88	12.72	6.77	6.97	9.69	7.93	6.51	9.60	6.15	8.07	7.02	97.79
1986	16.89	4.63	8.06	5.34	7.30	7.68	10.12	10.95	7.79	5.83	10.04	9.48	104.11
1987	8.87	5.48	12.07	8.38	7.49	9.15	6.47	5.95	8.09	8.97	7.97	6.85	95.74
1988	6.52	9.59	8.24	15.21	5.22	6.46	6.56	11.68	7.31	7.43	15.68	3.52	103.42
1989	6.20	4.20	6.41	9.45	14.34	12.22	5.74	10.44	8.19	9.28	14.49	6.19	107.15
1990	8.94	5.24	5.98	5.30	8.27	8.20	6.87	12.73	7.29	13.55	9.72	13.10	105.19
1991	6.53	5.66	6.70	7.50	7.78	4.18	5.35	20.69	8.66	9.86	7.33	8.07	98.31
1992	4.56	6.13	13.43	5.24	2.61	4.66	9.63	8.50	8.30	5.99	7.87	3.07	79.99
1993	4.99	6.05	5.21	5.32	4.42	9.45	9.63	4.25	10.24	5.15	9.02	5.13	78.86
1994	6.20	3.22	10.77	6.73	6.31	8.77	5.25	7.72	15.47	2.17	7.38	4.99	84.98
1995	8.47	5.34	4.89	3.82	6.98	3.03	7.40	4.70	6.47	21.25	12.83	6.05	91.23
1996	10.93	8.95	3.99	12.70	7.81	9.23	16.85	2.46	7.54	17.20	10.80	9.67	118.13
1997	10.28	5.79	10.55	7.84	19.28	6.88	15.44	7.30	6.96	4.77	15.75	7.51	118.35
1998	7.39	6.15	9.61	4.39	7.13	19.96	10.81	7.03	8.64	10.00	7.58	5.07	103.76
1999	8.76	5.59	12.92	4.23	6.94	7.34	9.10	7.28	18.82	6.93	12.11	4.40	104.42
2000	7.11	6.41	6.48	10.84	10.34	6.50	11.97	5.84	8.55	6.47	7.36	9.42	97.29
2001	4.03	6.35	7.37	2.20	3.35	8.62	6.00	4.66	7.50	7.46	7.34	5.68	70.56
2002	8.34	4.08	7.53	10.91	9.35	10.80	5.99	3.55	5.92	6.27	9.52	5.53	87.79
2003	1.81	4.33	5.32	4.44	6.31	6.76	6.98	10.43	9.56	13.83	8.82	10.05	88.64
2004	2.33	3.21	5.17	6.08	8.59	4.57	8.09	10.54	6.69	3.67	7.36	6.97	73.27
2005	4.59	5.87	8.41	10.59	8.71	7.48	8.21	11.03	4.34	28.70	10.48	8.79	117.20
2006	7.82	4.47	3.35	6.37	17.90	12.82	9.85	8.42	5.59	17.68	8.70	6.58	109.55
2007	5.35	3.60	5.03	12.82	5.14	5.91	7.63	5.71	5.33	10.06	7.47	8.00	82.05
2008	2.16	6.76	6.85	5.98	3.46	10.00	12.88	11.35	8.27	8.23	10.15	9.10	95.19
2009	3.83	6.46	3.72	4.96	6.64	9.27	12.99	9.05	3.57	7.28	8.11	8.38	84.26
2010	2.44	7.19	10.32	6.78	3.44	8.99	6.91	6.42	9.10	8.06	3.86	7.71	81.22
2011	2.56	4.23	4.71	9.95	7.87	7.00	3.63	12.83	9.19	11.61	6.95	7.46	87.99
2012	3.81	3.04	3.59	8.28	8.48	11.86	6.10	7.85	6.50	11.57	2.55	9.97	83.60
POR= 67 YRS	6.57	6.90	7.60	7.26	7.31	7.79	7.71	7.92	7.46	7.95	8.94	8.20	91.61

WBAN : 14755

AVERAGE TEMPERATURE (°F) 2012 MT. WASHINGTON (KMWN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1983	7.9	10.6	17.9	25.6	32.9	46.1	48.4	48.2	43.0	31.2	22.9	7.5	28.5
1984	4.0	16.7	8.0	25.4	32.1	44.5	47.8	50.6	36.5	34.9	21.8	14.1	28.0
1985	-1.8	6.9	10.9	22.1	35.9	39.3	47.9	46.1	43.2	31.0	23.2	3.7	25.7
1986	5.7	5.4	15.6	28.9	38.0	40.9	47.3	45.0	38.0	29.2	16.9	11.4	26.9
1987	6.0	2.4	16.5	28.5	36.1	44.7	49.4	45.2	39.3	28.3	20.2	11.3	27.3
1988	4.8	5.3	11.7	23.8	37.4	40.1	51.6	49.0	37.7	23.0	22.4	5.3	26.0
1989	8.1	3.2	13.8	19.1	39.0	45.3	49.1	46.4	41.7	32.2	15.3	-5.4	25.7
1990	11.9	9.4	15.9	26.2	31.7	45.6	49.3	50.4	39.3	34.9	23.0	14.7	29.4
1991	4.7	8.3	16.9	28.1	39.8	44.3	47.8	48.2	37.8	32.6	23.6	10.7	28.6
1992	4.9	6.7	8.3	20.9	37.1	43.9	44.7	46.3	42.8	27.2	20.2	11.8	26.2
1993	8.3	0.3	14.2	28.7	35.6	42.4	48.4	49.3	39.6	26.8	19.9	11.9	27.1
1994	-2.2	1.4	13.0	24.6	32.5	46.3	52.2	46.6	38.2	31.3	22.9	17.1	27.0
1995	13.1	0.9	17.8	18.1	33.0	48.8	51.8	49.6	39.1	35.5	15.7	6.8	27.5
1996	6.6	4.4	10.2	22.3	31.6	46.8	47.4	48.7	41.5	29.4	16.9	16.1	26.8
1997	3.6	9.3	8.3	19.1	28.0	45.2	47.7	45.8	39.4	30.1	18.3	12.0	25.6
1998	14.4	18.7	16.8	24.9	41.5	44.4	48.4	48.6	40.8	30.5	18.9	13.0	30.1
1999	6.4	12.6	13.8	21.3	38.5	48.6	50.6	45.9	46.8	27.9	21.8	13.7	29.0
2000	3.9	9.6	20.4	23.4	35.8	44.0	45.2	46.9	41.6	30.5	22.5	4.3	27.3
2001	8.2	5.2	9.6	22.3	37.9	47.3	45.5	52.0	42.1	32.5	25.2	17.0	28.7
2002	10.5	10.3	12.6	24.4	30.5	43.6	49.2	51.4	46.5	26.6	16.8	9.6	27.7
2003	-1.6	1.4	13.9	24.2	36.4	45.5	49.5	50.4	44.3	28.2	25.2	12.9	27.5
2004	-6.5	7.1	16.6	24.9	38.7	41.5	49.9	48.6	44.7	33.6	20.4	10.8	27.5
2005	4.5	10.7	9.1	25.2	31.4	51.5	52.2	50.6	45.4	35.3	21.6	10.0	29.0
2006	16.0	2.1	11.4	24.7	36.8	46.8	52.9	45.8	40.3	29.3	29.8	15.0	29.2
2007	1.5	-2.9	12.9	22.5	36.1	45.3	48.2	48.8	44.5	36.9	17.1	8.7	26.6
2008	9.2	7.2	10.7	29.3	32.4	47.6	51.0	47.1	44.0	29.8	18.8	10.0	28.1
2009	0.1	8.2	15.3	25.3	35.6	43.5	46.1	49.3	41.9	27.5	27.7	9.4	27.5
2010	3.4	8.2	20.4	28.3	38.0	44.5	51.7	48.4	42.6	27.7	22.5	10.0	28.8
2011	3.5	5.2	11.0	24.0	40.6	44.9	50.9	48.8	45.5	31.9	27.1	16.3	29.1
2012	3.9	8.1	22.9	23.5	41.5	45.3	50.4	51.3	41.9	34.6	20.9	15.6	30.0
POR= 66 YRS	5.2	5.9	12.7	23.2	35.2	44.7	48.9	47.6	41.1	30.9	20.9	10.4	27.2

HEATING DEGREE DAYS (base 65°F) 2012 MT. WASHINGTON (KMWN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1987-88	478	607	765	1132	1340	1659	1863	1729	1648	1231	849	742	14043
1988-89	409	490	814	1295	1271	1849	1759	1729	1582	1370	799	584	13951
1989-90	487	569	691	1007	1487	2184	1641	1551	1519	1157	1030	574	13897
1990-91	479	443	762	928	1255	1558	1866	1584	1486	1100	774	614	12849
1991-92	529	515	808	998	1234	1683	1863	1688	1757	1318	857	627	13877
1992-93	624	570	659	1165	1338	1647	1755	1815	1572	1082	903	670	13800
1993-94	507	484	750	1176	1346	1642	2080	1784	1605	1207	999	554	14134
1994-95	389	563	796	1036	1256	1480	1606	1794	1458	1402	985	478	13243
1995-96	401	473	772	908	1473	1802	1809	1760	1697	1273	1027	539	13934
1996-97	539	501	698	1096	1437	1509	1897	1556	1752	1374	1142	589	14090
1997-98	529	588	763	1076	1393	1635	1561	1288	1487	1198	721	610	12849
1998-99	507	501	721	1060	1374	1606	1808	1461	1583	1306	814	487	13228
1999-00	439	586	542	1145	1287	1584	1887	1601	1378	1241	896	621	13207
2000-01	607	555	696	1062	1271	1876	1756	1669	1712	1276	835	526	13841
2001-02	596	396	678	1001	1186	1483	1683	1524	1616	1211	1063	636	13073
2002-03	483	415	550	1181	1438	1708	2058	1776	1578	1218	878	581	13864
2003-04	473	444	612	1134	1187	1608	2208	1672	1491	1197	810	700	13536
2004-05	462	501	601	964	1331	1673	1868	1513	1727	1189	1037	398	13264
2005-06	389	438	582	913	1295	1699	1512	1757	1656	1204	868	541	12854
2006-07	370	590	735	1092	1045	1547	1802	1897	1605	1269	889	585	13426
2007-08	512	497	605	864	1430	1734	1722	1669	1673	1062	1007	517	13292
2008-09	428	545	621	1085	1378	1699	2004	1582	1535	1183	902	641	13603
2009-10	577	480	686	1155	1114	2004	1742	1585	1374	1096	833	607	13253
2010-11	404	509	667	1152	1267	1699	1898	1667	1668	1224	750	598	13503
2011-12	431	495	579	1022	1131	1898	1743	1642	1301	1235	723	584	12784
2012-	446	418	687	933	1313	1522							

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COOLING DEGREE DAYS (base 65°F) 2012 MT. WASHINGTON (KMWN)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	0	0	0	0	0
1987	0	0	0	0	0	0	0	0	0	0	0	0	0
1988	0	0	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	0	0	0	0	0	0
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0

SNOWFALL (inches) 2012 MT. WASHINGTON (KMWN)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1986-87	T	1.8	7.7	6.2	42.7	41.0	73.8	44.0	78.3	45.9	3.6	0.0	345.0
1987-88	0.0	T	4.7	23.3	29.4	53.5	50.8	60.7	44.2	110.9	10.0	6.7	394.2
1988-89	0.2	T	T	21.0	60.9	34.3	44.0	28.6	29.8	71.9	2.9	T	293.6
1989-90	T	0.0	7.3	13.4	67.7	55.7	58.5	40.0	25.5	26.0	17.4	0.7	312.2
1990-91	0.0	0.0	5.2	8.6	56.3	58.4	51.6	38.3	43.2	25.3	8.9	0.7	296.5
1991-92	0.0	0.0	2.3	8.3	18.8	51.4	18.2	45.8	72.4	32.5	8.3	T	258.0
1992-93	T	T	3.4	15.1	20.0	19.5	36.5	45.5	41.6	20.3	2.5	4.2	208.6
1993-94	T	0.0	1.9	20.0	23.3	36.8	50.6	24.2	65.1	19.1	14.0	3.5	258.5
1994-95	0.0	0.0	3.7	4.0	25.7	26.0	36.8	52.4	17.1	18.8	2.8	T	187.3
1995-96	T	0.0	0.0	7.0	43.1	56.4	66.0	54.5	41.0	73.3	16.7	0.0	358.0
1996-97	T	0.0	2.6	10.6	35.4	41.8	71.4	43.6	81.4	43.7	95.8	T	426.3
1997-98	T	0.0	5.5	24.4	55.2	50.3	30.9	27.7	60.6	21.4	T	4.9	280.9
1998-99	0.0	0.0	T	13.0	45.9	27.4	44.6	30.8	70.2	25.3	2.5	T	259.7
1999-00	T	T	3.2	20.6	44.8	30.2	37.7	45.9	33.0	39.8	1.4	1.1	257.7
2000-01	T	0.8	T	42.5	56.0	52.8	35.7	49.0	50.9	5.9	3.8	T	297.4
2001-02	0.0	0.0	2.7	24.6	39.0	44.8	69.4	27.5	37.4	34.3	40.7	0.2	320.6
2002-03	T	0.4	3.6	19.7	62.7	41.6	21.2	34.6	31.0	29.0	4.2	0.5	248.5
2003-04	0.0	0.0	T	26.7	14.5	51.3	25.1	22.9	37.0	17.6	3.9	1.5	200.5
2004-05	T	T	0.0	3.8	31.7	41.1	25.0	55.7	65.9	23.3	20.9	T	267.4
2005-06	T	0.0	1.0	78.9	45.0	59.3	46.7	30.8	22.3	29.8	17.3	T	331.1
2006-07	T	T	0.8	41.7	7.4	35.9	27.4	30.8	33.8	65.0	1.7	0.3	244.8
2007-08	0.4	0.2	0.8	5.6	33.4	61.2	21.5	47.2	43.0	15.6	7.9	0.3	237.1
2008-09	0.0	0.2	0.0	10.5	44.3	43.8	38.8	42.1	16.8	21.5	2.8	0.2	221.0
2009-10	T	T	0.0	12.7	32.0	38.8	18.4	44.8	33.2	45.1	7.5	0.4	232.9
2010-11	0.2	T	0.4	20.3	17.7	42.4	38.4	42.4	42.6	30.8	2.3	0.7	238.2
2011-12	0.0	0.6	0.9	20.7	18.6	38.4	38.8	32.8	36.7	40.2	3.9	2.3	233.9
2012-	0.1	0.0	0.6	11.2	23.4	69.8							
POR= 67 YRS	T	0.2	1.9	15.1	34.0	47.3	42.4	43.9	46.2	34.2	13.4	1.7	280.3

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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.
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.
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 SATION 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.

Notes:
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.

On 27 May 2015, corrections to this Annual LCD publication were made to correct errors in data for the month of June. Corrections were applied to June data page 2 and some extremes data on page 3.

2012
MOUNT WASHINGTON
GORHAM, NEW HAMPSHIRE (KMWN)

The Mount Washington Observatory is located at the summit of Mount Washington, New Hampshire, highest mountain of the Presidential range. The weather is very severe most of the year, conditions approximating those that would be encountered at a much higher latitude. The upper limits of timberline extend to 4,500 to 5,000 feet.

Prevailing winds are from the west and west-northwest, although the most severe storms are usually from the southeast. Winds are stronger at the summit than at the same elevation at a distance from the mountain, due to the Bernouilli effect. Mount Washington is near the mid-point of a 60-mile-long mountain front trending northeast to southwest. Wind speeds in excess of l00 mph are not uncommon, and the stations highest measured wind, 231 mph, still stands as a world record.

The station is in the clouds approximately 55 percent of the time. This is due partly to the effect of orographic uplift and partly due to the fact that the summit is often above the cloud base when there are low clouds in the area.

Minimum temperatures are not extreme compared to some U. S. valley stations. Annual temperature variations are not as great as they are in the surrounding lowlands, which may actually be colder than the summit when there is a strong inversion. Rime or glaze icing occurs often in winter, when the mountain is frequently in supercooled clouds.

Because of its severe climate, Mount Washington has for many years been used as a natural laboratory for cloud physics research and for the development and testing of instruments, aircraft components, and structures which are required to withstand high winds and icing conditions.

Station History

MT. WASHINGTON, NH

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
MOUNT WASHINGTON	1952-01-01	1981-12-31	44° 16'	-71° 18'	6262		AIRWAYS,COOP
MOUNT WASHINGTON	2007-11-07	2012-07-25	44° 16'	-71° 17'	6267		COOP
MOUNT WASHINGTON	1944-12-31	1945-07-01	44° 16'	-71° 18'	6262		COOP
MOUNT WASHINGTON	1945-07-01	1952-01-01	44° 16'	-71° 18'	6262		COOP,WXSVC
MOUNT WASHINGTON	1937-01-01	1944-12-31	44° 16'	-71° 18'	6262		COOP,WXSVC
MOUNT WASHINGTON	1981-12-31	2007-11-07	44° 16'	-71° 18'	6262		COOP
MOUNT WASHINGTON	2012-07-25	Present	44° 16'	-71° 17'	6271		COOP,UNKNOWN

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	1995-07-01	2007-11-07	DAILY	2400	SRG		
TEMP	2007-11-07	2012-07-25	DAILY	0700	MXMN		
TEMP	2012-07-25	Present	DAILY	0100	MXMN		
PRECIP	1995-07-01	2007-11-07	HOURLY	2400	PCPN1		
PRECIP	2012-07-25	Present	DAILY	2400	SRG		
PRECIP	1952-01-01	1992-01-01	DAILY	2400	SRG		
PRECIP	1992-01-01	1995-07-01	DAILY	2400	SRG		
TEMP	1995-07-01	2007-11-07	DAILY	2400	MXMN		
TEMP	1937-01-01	1952-01-01	DAILY	2400			
TEMP	1952-01-01	1992-01-01	DAILY	2400			
PRECIP	1952-01-01	1992-01-01	HOURLY	2400			
PRECIP	1992-01-01	1995-07-01	HOURLY	2400			
PRECIP	2007-11-07	2012-07-25	DAILY	2400	SRG		
TEMP	2007-11-07	2012-07-25	DAILY	2400	MXMN		
TEMP	1992-01-01	1995-07-01	DAILY	2400	MXMN		
TEMP	2012-07-25	Present	DAILY	2400	MXMN		
PRECIP	1937-01-01	1952-01-01	DAILY	2400	SRG		

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

Other Station Information can be found at:
ASOS Implementation by NWS: http://www.nws.noaa.gov/ops2/Surface/asos2implementation.htm
Station Metadata website: http://www.ncdc.noaa.gov/homr

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