

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JULY				2009			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)				STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6280 FT				EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)				SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS	COVER	WEATHER	
1	49	44	47	48	-1	18	0	0.19	0.0	0	31.5	55	SE	0	0	10	12	
2	49	44	47	48	-1	18	0	2.25	0.0	0	28.6	46	SE	0	0	10	12	
3	52	43	48	48	0	17	0	0.18	0.0	0	18.4	35	W	70	7	10	123	
4	46	35	41	48	-7	24	0	2.14	T	0	46.7	75	W	0	0	10	125*	
5	43	35	39	48	-9	26	0	0.01	0.0	0	36.1	75	W	15	2	10	12	
6	50	39	45	48	-3	20	0	0.22	T	0	11.6	46	W	470	50	9	1235*	
7	44	38	41	48	-7	24	0	0.27	0.0	0	18.2	32	S	45	5	10	12	
8	44	38	41	48	-7	24	0	0.28	0.0	0	5.3	19	S	0	0	10	12	
9	48	37	43	48	-5	22	0	0.00	0.0	0	9.5	20	E	366	39	8	12	
10	55	40	48	49	-1	17	0	0.00	0.0	0	9.4	29	W	610	66	6	12	
11	54	44	49	49	0	16	0	1.11	0.0	0	23.8	68	W	190	20	9	12	
12	49	36	43	49	-6	22	0	0.46	0.0	0	30.0	70	W	160	17	9	123	
13	41	33	37	49	-12	28	0	0.09	T	0	29.0	55	W	110	12	9	125*	
14	38	33	36	49	-13	29	0	0.57	T	0	37.9	66	W	0	0	10	125*	
15	44	34	39	49	-10	26	0	0.00	0.0	0	47.3	75	W	250	27	9	12	
16	52	42	47	49	-2	18	0	0.07	0.0	0	28.5	46	SW	0	0	10	12	
17	57	43	50	49	1	15	0	0.10	0.0	0	21.3	47	W	330	36	10	12	
18	55	44	50	49	1	15	0	0.24	0.0	0	26.4	51	W	105	11	10	12	
19	45	39	42	49	-7	23	0	0.00	0.0	0	36.8	55	W	45	5	10	12	
20	54	41	48	49	-1	17	0	0.00	0.0	0	12.1	31	W	422	46	9	12	
21	52	44	48	49	-1	17	0	0.50	0.0	0	12.4	28	E	22	2	10	12	
22	52	45	49	49	0	16	0	0.11	0.0	0	21.0	36	W	135	15	9	12	
23	58	42	50	49	1	15	0	0.04	0.0	0	12.9	25	SE	160	18	10	12	
24	49	43	46	49	-3	19	0	0.88	0.0	0	20.9	38	E	0	0	10	12	
25	54	46	50	49	1	15	0	0.06	0.0	0	22.8	43	W	165	18	9	12	
26	55	48	52	49	3	13	0	0.02	0.0	0	27.8	48	SW	32	4	10	12	
27	55	48	52	49	3	13	0	0.02	0.0	0	33.1	52	W	150	17	9	12	
28	58	46	52	49	3	13	0	0.00	0.0	0	30.8	54	W	475	53	8	12	
29	61	52	57	49	8	8	0	0.90	0.0	0	22.6	60	SW	365	41	9	123	
30	55	46	51	49	2	14	0	1.17	0.0	0	25.1	53	SW	1	0	10	12	
31	54	45	50	49	1	15	0	1.11	0.0	0	29.4	50	W	25	3	10	12	
SUM	1572	1287	----	----	----	577	0	12.99	T	----	767.2	----	----	4718	----	292	----	
AVG	50.7	41.5	----	----	----	----	----	----	----	----	24.7	FASTEST	DIR	POSS	17%	9.4	----	
											MISC. ->	75	W	28530			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	46.1	TOTAL FOR THE MONTH	12.99	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.6	DEPARTURE FROM NORMAL	4.97			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 29th	24 HOUR MAX	2.25 on 2nd	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	33 on 13, 14th			PARTLY CLOUDY (SCALE 4-7)	1		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	30		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	25	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	T	WITH .10" OR MORE PRECIP	18	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	24 HOUR MAX	T on 4, 6, 13, 14th	WITH .50" OR MORE PRECIP	9	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	T on 4, 6, 13, 14th	WITH 1.0" OR MORE PRECIP	5	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.491 on 10th				
		LOWEST SEA-LEVEL	29.761 on 4th				
TOTAL THIS MONTH	577	AVG STATION	23.854				
DEPARTURE FROM NORMAL	72						
SEASON TOTAL	577						
DEPARTURE FROM NORMAL	72						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:	* "5" FELL AS SMALL HAIL
	4TH, 6TH, 14TH : ALL FELL AS SMALL HAIL. ESTIMATED DUE TO MELTING.
	5TH: ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN.
	13TH: SOME FELL AS SMALL HAIL. ESTIMATED DUE TO MELTING
	14TH: NEW DAILY RECORD OF 33°F; OLD RECORD OF 34°F SET IN 1950.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
96	94	97	97	96

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 355 HOURS OF PREVAILING WINDS FROM THE W 48% OF THE TOTAL HOURS OF THE MONTH.