

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											OCTOBER				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	DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS	COVER	WEATHER		
1	27	20	24	35	-11	41	0	0.09	1.1	T	16.5	32	NW	20	3	10	126	
2	33	20	27	35	-8	38	0	0.04	T	1	20.5	44	SW	533	75	6	1246	
3	45	32	39	35	4	26	0	1.10	0.0	T	35.0	57	SE	0	0	10	12	
4	47	34	41	34	7	24	0	T	0.0	0	19.2	35	NW	170	24	8	12	
5	34	30	32	34	-2	32	0	0.44	0.5	0	39.7	70	W	0	0	10	1246	
6	31	29	30	33	-3	35	0	T	T	1	41.7	80	W	0	0	10	126	
7	34	27	31	33	-2	34	0	0.83	1.0	1	54.0	107	W	0	0	10	12345*6	
8	32	26	29	33	-4	36	0	0.21	0.7	1	56.5	105	W	0	0	10	1246	
9	41	29	35	32	3	30	0	0.24	0.0	1	28.1	49	SW	0	0	10	126	
10	37	19	28	32	-4	37	0	0.32	0.0	T	45.7	84	W	0	0	10	126	
11	23	15	19	32	-13	46	0	0.05	0.4	1	42.2	75	W	120	17	9	126	
12	22	14	18	31	-13	47	0	0.01	0.2	1	27.7	64	NW	435	64	8	126	
13	22	14	18	31	-13	47	0	0.69	7.4	4	32.3	87	NW	0	0	10	1269	
14	16	8	12	31	-19	53	0	0.11	0.9	6	42.7	73	NW	0	0	10	1269	
15	17	8	13	30	-17	52	0	0.01	0.1	5	16.1	34	W	530	79	9	126	
16	20	8	14	30	-16	51	0	0.00	0.0	5	14.7	31	E	291	43	10	126	
17	22	12	17	30	-13	48	0	0.00	0.0	5	7.7	20	SE	518	78	5	126	
18	28	16	22	29	-7	43	0	T	T	4	15.5	28	E	7	1	9	12	
19	32	21	27	29	-2	38	0	0.00	0.0	4	20.5	36	N	661	100	1		
20	33	26	30	29	1	35	0	0.00	0.0	2	38.8	64	W	0	0	10	126	
21	35	27	31	29	2	34	0	0.05	0.0	2	40.9	69	W	45	7	10	126	
22	40	17	29	28	1	36	0	0.57	0.2	1	52.7	94	W	285	44	9	1246	
23	37	15	26	28	-2	39	0	0.04	0.1	1	22.9	76	NW	586	90	9	1246	
24	47	20	34	28	6	31	0	1.60	T	T	46.2	76	SW	0	0	10	12346	
25	42	19	31	27	4	34	0	0.02	0.0	T	54.7	83	W	95	15	9	126	
26	35	17	26	27	-1	39	0	0.00	0.0	T	39.6	78	NW	641	100	1	126	
27	35	23	29	27	2	36	0	0.01	0.0	T	29.1	54	SW	165	26	10	126	
28	36	29	33	26	7	32	0	0.03	0.1	T	9.0	22	SE	20	3	10	1246	
29	37	29	33	26	7	32	0	0.00	0.0	T	23.0	31	W	475	75	5	126	
30	48	35	42	26	16	23	0	0.01	0.0	T	22.6	47	SW	480	76	6		
31	52	27	40	26	14	25	0	0.81	0.0	0	56.3	96	SW	125	20	9	126	
SUM	1040	666	----	----	----	1154	0	7.28	12.7	----	1012.1	----	----	6202	----	263	----	
AVG	33.5	21.5	----	----	----	----	----	----	----	----	32.6	FASTEST	DIR	POSS	%	8.5	----	
											MISC. ->	107	W	20805	30%			

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	27.5	TOTAL FOR THE MONTH	7.28	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.7	DEPARTURE FROM NORMAL	-0.38			2 = FOG REDUCING VISIBILITY	
HIGHEST	52 on 31st	24 HOUR MAX	1.60 on 24th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	8 on 14,15,16th			PARTLY CLOUDY (SCALE 4-7)	4		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	22	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	12	TOTAL FOR THE MONTH	12.7	WITH .10" OR MORE PRECIP	11	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	24 HOUR MAX	7.4 13th	WITH .50" OR MORE PRECIP	6	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	29	MAX DEPTH ON GROUND	6 on 14th	WITH 1.0" OR MORE PRECIP	2	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	30.455 on 26th				
		LOWEST SEA-LEVEL	29.397 on 7th				
TOTAL THIS MONTH	1154	AVG STATION	23.726				
DEPARTURE FROM NORMAL	75						
SEASON TOTAL	2897						
DEPARTURE FROM NORMAL	33						
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.	30TH: DAILY RECORD HIGH EQUALED; RECORD OF 48F PREVIOUSLY SET IN 1989.
6TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT	
7TH: SOME FELL AS SMALL HAIL.	31ST: NEW DAILY RECORD HIGH; PREVIOUS RECORD OF 49F SET IN 1942.
20TH: DAILY AVG WIND SPEED CONTAINS 3 HRS OF ESTIMATED WIND SPEEDS DUE TO ICE CLOGS IN PITOT RESULTING FROM LOSS OF HEATERS DURING PLANNED POWER OUTAGE.	
25TH, 26TH: DAILY AVG WIND SPEED CONTAINS 3 HRS OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT	
25TH: PRECIP TOTAL FULLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN.	
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE
0600 1200 1800 0000 MONTH	RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
81 82 83 84 83	THERE WERE 309 HOURS OF PREVAILING WINDS FROM THE W,
	42% OF THE TOTAL HOURS OF THE MONTH.