

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											MAY				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.
						DEGREE DAYS			TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE					
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL					SPEED	DIR	TOTAL	% POSS			
1	43	36	40	30	10	25	0	0.73	0.0	T	57.7	88	SW	0	0	10	12	
2	38	25	32	30	2	33	0	0.23	0.1	T	41.3	86	W	246	28	9	1246	
3	34	23	29	30	-1	36	0	0.00	0.0	T	28.0	46	W	265	30	10		
4	42	28	35	31	4	30	0	0.00	0.0	T	22.8	51	W	595	68	9		
5	38	28	33	31	2	32	0	0.01	T	T	27.9	49	E	50	6	10	126	
6	40	33	37	32	5	28	0	0.01	0.0	T	14.0	34	SW	310	35	8	126	
7	44	33	39	32	7	26	0	0.48	0.0	T	32.9	58	SW	0	0	10	12	
8	42	32	37	32	5	28	0	0.00	0.0	T	38.3	72	W	65	7	9	12	
9	47	35	41	33	8	24	0	1.11	T	T	28.7	79	NW	167	19	10	1235*	
10	36	19	28	33	-5	37	0	0.95	1.8	1	56.2	95	W	0	0	10	1245*69	
11	27	20	24	34	-10	41	0	0.03	0.4	2	25.5	41	NW	482	54	6	126	
12	33	21	27	34	-7	38	0	T	T	1	11.2	27	NE	495	55	8		
13	38	27	33	35	-2	32	0	0.00	0.0	1	14.3	35	S	669	75	5		
14	41	29	35	35	0	30	0	0.16	0.0	1	48.3	80	S	152	17	10	126	
15	43	34	39	35	4	26	0	0.00	0.0	T	33.6	62	W	435	48	9	12	
16	46	37	42	36	6	23	0	0.28	0.0	T	32.1	63	S	145	16	10	12	
17	47	19	33	36	-3	32	0	0.49	0.0	0	33.9	61	W	160	18	10	126	
18	27	16	22	37	-15	43	0	T	T	T	19.3	35	NW	130	14	10	126	
19	43	20	32	37	-5	33	0	0.00	0.0	0	30.9	69	W	875	96	4		
20	48	33	41	37	4	24	0	T	0.0	0	48.5	72	W	246	27	10		
21	61	46	54	38	16	11	0	0.00	0.0	0	56.0	85	W	902	99	3		
22	50	33	42	38	4	23	0	0.00	0.0	0	47.8	78	W	311	34	9	12	
23	43	34	39	38	1	26	0	T	0.0	0	23.4	50	W	59	6	10	12	
24	45	34	40	39	1	25	0	0.12	0.0	0	41.3	68	W	70	8	9	12	
25	38	21	30	39	-9	35	0	0.00	0.0	0	43.4	79	W	693	75	5		
26	44	22	33	39	-6	32	0	0.00	0.0	0	18.0	49	NW	873	95	8		
27	47	34	41	40	1	24	0	0.79	0.0	0	26.3	60	SW	15	2	10	12	
28	49	39	44	40	4	21	0	0.49	0.0	0	18.0	45	S	0	0	10	12	
29	49	40	45	40	5	20	0	0.29	0.0	0	35.5	55	S	0	0	10	12	
30	43	31	37	40	-3	28	0	0.40	0.4	0	29.9	64	W	227	24	9	1235*	
31	39	18	29	41	-12	36	0	0.07	0.1	0	45.0	85	W	180	19	9	12345*6	
SUM	1305	900	----	----	----	902	0	6.64	2.8	----	1030.0	----	----	8817	----	269	----	
AVG	42.1	29.0	----	----	----	----	----	----	----	----	33.2	FASTEST	DIR	POSS	%		----	
											MISC. ->	95	W	27878	32%	8.7	----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	35.6	TOTAL FOR THE MONTH	6.64	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.0	DEPARTURE FROM NORMAL	-1.57			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 21st	24 HOUR MAX	2.03 on 9th, 10th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	16 on 18th			PARTLY CLOUDY (SCALE 4-7)	4		
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26		
				WITH .01" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	2	TOTAL FOR THE MONTH	2.8	WITH .10" OR MORE PRECIP	13	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	24 HOUR MAX	2.0 on 10th, 11th	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	17	MAX DEPTH ON GROUND	2 on 11th	WITH 1.0" OR MORE PRECIP	1	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	30.509 on 20th				
		LOWEST SEA-LEVEL	29.434 on 10th				
TOTAL THIS MONTH	902	AVG STATION	23.806				
DEPARTURE FROM NORMAL	-11						
SEASON TOTAL	12962						
DEPARTURE FROM NORMAL	-196						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES: 9th,10th,30th, 31st: * "5" FELL AS SMALL HAIL.				
9th, 10th, 30th, 31st: SOME OR ALL FELL AS SMALL HAIL. ESTIMATED DUE TO MELTING.				
11th: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF OBSERVER ESTIMATED SPEEDS DUE TO WATER IN TP LINE OF PITOT.				
21st: NEW DAILY RECORD HIGH OF 61°F; OLD RECORD OF 60°F SET IN 1941.				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
85	85	86	80	84

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.	
THERE WERE 385 HOURS OF PREVAILING WINDS FROM THE W, 52 % OF THE TOTAL HOURS OF THE MONTH.	