

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
LATITUDE											MONTH		YEAR					
44 DEGREES 16 MINUTES NORTH						LONGITUDE					JANUARY		2010					
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H)		STANDARD TIME					
											6,280 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	21	13	17	6	6	48	0	0.08	1.9	18	7.6	21	S	0	0	10	126	
2	14	-6	4	6	-2	61	0	0.37	3.0	19	35.5	92	NW	0	0	10	1269	
3	13	-6	4	6	-2	61	0	0.31	3.6	21	45.8	82	N	0	0	10	1269	
4	14	4	9	6	3	56	0	0.01	0.1	20	32.7	74	NW	18	3	10	1269	
5	18	5	12	6	6	53	0	T	T	20	24.4	47	NW	25	5	9	126	
6	14	2	8	6	2	57	0	0.00	0.0	20	49.7	80	NW	375	68	6	1269	
7	11	3	7	6	1	58	0	0.00	0.0	20	56.7	88	NW	0	0	10	1269	
8	12	-1	6	5	1	59	0	T	T	20	16.9	50	NW	90	16	9	126	
9	8	-5	2	5	-3	63	0	0.00	0.0	20	51.0	81	NW	556	100	1	1269	
10	1	-5	-2	5	-7	67	0	0.00	0.0	19	44.9	62	NW	145	26	9	126	
11	5	-2	2	5	-3	63	0	0.01	0.2	18	46.7	72	NW	0	0	10	1269	
12	4	-15	-5	5	-10	70	0	0.00	0.0	18	48.4	73	NW	160	29	8	1269	
13	13	-3	5	5	0	60	0	0.00	0.0	18	38.2	70	NW	235	42	8	1269	
14	28	10	19	5	14	46	0	0.00	0.0	18	19.8	51	W	564	100	6	126	
15	22	13	18	5	13	47	0	T	T	18	52.5	74	W	0	0	10	1269	
16	18	11	15	5	10	50	0	0.00	0.0	18	55.9	81	W	170	30	9	126	
17	25	13	19	5	14	46	0	T	T	18	23.6	51	NW	450	79	8	126	
18	27	19	23	5	18	42	0	0.08	1.1	19	18.9	32	W	0	0	10	126	
19	20	12	16	5	11	49	0	0.10	1.7	19	14.8	35	W	0	0	10	126	
20	14	4	9	5	4	56	0	0.07	1.8	20	16.9	45	N	56	10	9	1269	
21	22	5	14	5	9	51	0	0.00	0.0	21	35.0	61	NW	412	71	4	1269	
22	26	11	19	5	14	46	0	0.00	0.0	21	28.3	53	NW	557	96	6	19	
23	21	8	15	5	10	50	0	0.00	0.0	20	22.8	41	NW	578	99	0		
24	32	17	25	4	21	40	0	0.04	0.1	19	32.5	65	SW	220	38	9	1246	
25	36	23	30	4	26	35	0	0.93	0.1	18	54.5	97	SE	0	0	10	1246	
26	24	9	17	5	12	48	0	0.13	1.1	14	43.3	73	W	0	0	10	12469	
27	14	2	8	5	3	57	0	0.06	1.1	15	27.0	54	W	0	0	10	1269	
28	9	-17	-4	5	-9	69	0	0.25	2.5	15	34.8	88	W	15	3	10	1269	
29	-14	-26	-20	5	-25	85	0	T	T	16	68.3	105	W	325	55	8	1269	
30	-4	-16	-10	5	-15	75	0	0.00	0.0	16	36.2	75	NW	497	83	6	126	
31	-5	-13	-9	5	-14	74	0	T	0.1	16	50.2	74	W	2	0	10	126	
SUM	463	69	----	----	----	1742	0	2.44	18.4	----	1133.8	----	----	5450	----	255	----	
AVG	14.9	2.2	----	----	----	----	----	----	----	----	36.6	FASTEST	DIR	POSS	%	8.2	----	
											MISC. ->	105	W	17658	31%			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	8.6	TOTAL FOR THE MONTH	2.44	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.4	DEPARTURE FROM NORMAL	-6.08			2 = FOG REDUCING VISIBILITY	
HIGHEST	36 on 25th	24 HOUR MAX	0.95 on 25th/26th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-26 on 29th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	18.4	WITH .01" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	30	24 HOUR MAX	5.4 on 2nd/3rd	WITH .10" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	21 20th	WITH .50" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	12	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.328 on 23rd				
		LOWEST SEA-LEVEL	29.122 on 3rd				
TOTAL THIS MONTH	1742	AVG STATION	23.379				
DEPARTURE FROM NORMAL	-113						
SEASON TOTAL	7471						
DEPARTURE FROM NORMAL	-282						

COOLING DEGREE DAYS (BASE 65°F)	
TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
85	83	86	85	85

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 346 HOURS OF PREVAILING WINDS FROM THE NW, 47% OF THE TOTAL HOURS OF THE MONTH.