

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											DECEMBER				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 HEAT	DEGREE DAYS COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS	COVER	WEATHER	
1	14	3	9	15	-6	56	0	0.18	1.4	9	42.3	76	W	60	11	9	1269	
2	32	13	23	14	9	42	0	0.04	0.2	10	47.9	72	W	315	57	8	1269	
3	40	23	32	14	18	33	0	1.70	2.0	10	62.0	86	SE	0	0	10	12469	
4	24	13	19	14	5	46	0	0.02	0.3	6	34.8	69	W	200	36	8	1269	
5	18	8	13	13	0	52	0	0.29	6.5	6	17.6	38	W	0	0	10	126	
6	10	4	7	13	-6	58	0	0.18	1.8	10	47.5	74	W	0	0	10	1269	
7	11	5	8	13	-5	57	0	0.23	2.1	10	33.1	63	W	0	0	10	1269	
8	14	0	7	12	-5	58	0	0.15	1.3	11	41.1	73	W	0	0	10	1269	
9	24	4	14	12	2	51	0	1.46	7.5	11	46.0	91	SE	0	0	10	1269	
10	20	-2	9	12	-3	56	0	0.66	3.5	16	67.1	104	W	0	0	10	1269	
11	-1	-9	-5	11	-16	70	0	0.28	2.3	16	76.2	106	W	0	0	10	1269	
12	1	-11	-5	11	-16	70	0	0.00	0.0	16	69.6	101	W	0	0	10	1269	
13	23	1	12	11	1	53	0	0.16	1.8	15	48.5	89	SW	359	66	9	1269	
14	29	13	21	10	11	44	0	0.01	0.2	16	34.1	65	NW	353	65	8	1269	
15	26	0	13	10	3	52	0	0.58	3.1	15	44.8	82	NW	0	0	10	12469	
16	1	-18	-8	10	-18	73	0	0.15	0.7	15	81.3	103	W	0	0	10	1269	
17	-1	-24	-12	9	-21	77	0	0.00	0.0	15	72.4	97	NW	544	100	1	1269	
18	6	-2	2	9	-7	63	0	0.00	0.0	15	61.9	86	NW	543	100	1	9	
19	22	5	14	9	5	51	0	0.00	0.0	15	19.6	58	NW	510	94	8		
20	13	4	9	9	0	56	0	T	T	15	40.1	81	NW	5	1	10	16	
21	10	0	5	8	-3	60	0	0.10	0.4	15	54.0	86	NW	92	17	10	1269	
22	14	-8	3	8	-5	62	0	T	0.4	15	26.5	54	NW	420	77	8	1269	
23	14	-11	2	8	-6	63	0	0.01	0.3	16	21.8	50	NE	265	49	9	1269	
24	27	13	20	8	12	45	0	0.00	0.0	16	30.7	63	NE	450	83	3	1269	
25	32	22	27	7	20	38	0	0.00	0.0	15	13.4	29	NW	490	90	4		
26	28	17	23	7	16	42	0	0.02	0.1	14	39.7	77	SE	0	0	10	1269	
27	32	11	22	7	15	43	0	1.54	4.6	16	46.3	77	SE	0	0	10	12469	
28	15	4	10	7	3	55	0	0.25	4.0	15	33.5	67	W	0	0	10	1269	
29	5	-25	-10	7	-17	75	0	0.27	1.8	17	67.8	100	NW	21	4	9	1269	
30	13	-19	-3	7	-10	68	0	0.00	0.0	16	60.3	104	NW	546	100	3	1269	
31	21	8	15	7	8	50	0	0.10	1.8	16	22.1	40	SW	90	16	9	1269	
SUM	537	42	----	----	----	1719	0	8.38	48.1	----	1404.0	----	----	5263	----	257	----	
AVG	17.3	1.4	----	----	----	----	----	----	----	----	45.3	FASTEST	DIR	POSS	%	8.3	----	
											MISC. ->	106	W	16968	31%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	9.4	TOTAL FOR THE MONTH	8.38	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.7	DEPARTURE FROM NORMAL	-0.46			2 = FOG REDUCING VISIBILITY	
HIGHEST	40 on 3rd	24 HOUR MAX	1.73 on 2nd/3rd	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	-25 on 29th			PARTLY CLOUDY (SCALE 4-7)	1		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	30	TOTAL FOR THE MONTH	48.1	WITH .10" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	8.2 on 9th/10th	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	MAX DEPTH ON GROUND	17 on 31st	WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	13					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.508 on 25th				
		LOWEST SEA-LEVEL	29.251 on 10th				
TOTAL THIS MONTH	1719	AVG STATION	23.483				
DEPARTURE FROM NORMAL	17						
SEASON TOTAL	5729						
DEPARTURE FROM NORMAL	-169						
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
79	83	81	85	82

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 294 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.