

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JANUARY				YEAR 2009				
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6,280 FT				STANDARD TIME 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			
1	0	-27	-13	6	-19	78	0	0.00	0.0	5	92.3	132	NW	318	58	8	1269	
2	14	-1	7	6	1	58	0	0.09	0.9	4	44.8	88	NW	305	56	9	1269	
3	8	-12	-2	6	-8	67	0	0.11	1.2	4	79.0	109	NW	0	0	10	1269	
4	27	6	17	6	11	48	0	0.00	0.0	4	59.6	105	NW	310	56	5	1269	
5	25	-1	12	6	6	53	0	0.22	2.2	4	62.0	94	W	0	0	10	1269	
6	16	-5	6	6	0	59	0	0.07	0.9	4	55.5	90	W	7	1	10	1269	
7	25	11	18	6	12	47	0	0.35	2.1	5	31.0	61	S	0	0	10	1246	
8	18	-13	3	5	-2	62	0	0.23	1.8	5	73.8	114	W	0	0	10	1269	
9	0	-12	-6	5	-11	71	0	0.00	0.0	5	69.2	91	NW	5	1	10	1269	
10	12	-4	4	5	-1	61	0	0.00	0.0	5	27.0	60	NW	496	89	3	1	
11	14	4	9	5	4	56	0	0.17	4.7	5	17.1	48	W	113	20	9	1269	
12	8	-3	3	5	-2	62	0	0.01	0.2	9	21.6	45	NW	285	51	6	126	
13	12	0	6	5	1	59	0	0.04	0.7	8	34.3	65	SW	112	20	10	1269	
14	10	-23	-6	5	-11	71	0	0.09	0.7	8	66.3	106	NW	411	73	4	1269	
15	-15	-25	-20	5	-25	85	0	0.00	0.0	8	48.5	72	NW	566	100	4	126	
16	-19	-26	-22	5	-27	87	0	0.01	0.3	8	62.6	94	W	5	1	10	1269	
17	-9	-24	-16	5	-21	81	0	T	T	8	43.0	79	NW	0	0	10	1269	
18	15	-10	3	5	-2	62	0	0.37	5.4	8	37.3	76	SE	0	0	10	1269	
19	15	2	9	5	4	56	0	0.08	1.1	12	15.3	45	W	66	11	10	1269	
20	6	-1	3	5	-2	62	0	T	0.1	11	12.6	30	N	449	78	4	126	
21	3	-6	-1	5	-6	66	0	0.00	0.0	11	40.0	72	NW	462	80	5	1269	
22	5	-2	2	5	-3	63	0	0.21	1.1	11	68.0	98	W	0	0	10	1269	
23	20	3	12	5	7	53	0	0.00	0.0	11	42.9	84	W	22	4	10	1269	
24	18	-22	-2	4	-6	67	0	0.08	0.4	11	72.2	107	W	65	11	9	1269	
25	-8	-18	-13	4	-17	78	0	T	T	11	60.3	80	W	0	0	10	1269	
26	-8	-15	-11	5	-16	76	0	0.00	0.0	11	46.7	70	NW	183	31	8	1269	
27	13	-11	1	5	-4	64	0	0.00	0.0	10	44.2	69	NW	280	47	6	1269	
28	20	1	11	5	6	54	0	1.46	11.2	10	38.2	91	W	0	0	10	1269	
29	9	-7	1	5	-4	64	0	0.14	1.0	18	53.5	114	W	381	64	8	1269	
30	7	-1	3	5	-2	62	0	0.05	1.0	18	32.7	53	W	0	0	10	1269	
31	2	-17	-7	5	-12	72	0	0.05	1.8	19	42.0	92	NW	5	1	10	1269	
SUM	263	-259	----	----	----	2004	0	3.83	38.8	----	1493.5	----	----	4846	----	258	----	
AVG	8.5	-8.4	----	----	----	----	----	----	----	----	48.2	FASTEST	DIR	POSS	%		----	
											MISC. ->	132	NW	17658	27%	8.3	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	0.0	TOTAL FOR THE MONTH	3.83	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-5.2	DEPARTURE FROM NORMAL	-4.69			2 = FOG REDUCING VISIBILITY	
HIGHEST	27 on 4th	24 HOUR MAX	1.59 on 28/29th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	-27 on 1st	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	38.8	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	31	24 HOUR MAX	12.1 on 28/29th	WITH .10" OR MORE PRECIP	9	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	19 on 31st	WITH .50" OR MORE PRECIP	1	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	25	PRESSURE DATA (IN.)				8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.455 on 27th			9 = BLOWING SNOW	
		LOWEST SEA-LEVEL	28.925 on 7th			X = TORNADO	
TOTAL THIS MONTH	2004	AVG STATION	23.325				
DEPARTURE FROM NORMAL	149						
SEASON TOTAL	7760						
DEPARTURE FROM NORMAL	7						
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					MONTH
0600	1200	1800	0000		
92	96	90	87	91	

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 303 HOURS OF PREVAILING WINDS FROM THE NW, 41 % OF THE TOTAL HOURS OF THE MONTH.