

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH DECEMBER				YEAR 2008			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 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	COVER	WEATHER	
1	35	17	26	15	11	39	0	0.34	0.2	20	42.8	72	SW	35	6	10	1246	
2	18	8	13	14	-1	52	0	0.06	0.6	20	47.4	85	W	0	0	10	1269	
3	30	8	19	14	5	46	0	0.00	0.0	20	35.9	62	W	556	100	1	126	
4	32	7	20	14	6	45	0	0.18	1.1	19	58.8	91	W	0	0	10	1269	
5	8	-2	3	13	-10	62	0	0.11	1.1	20	43.5	86	W	30	5	10	1269	
6	6	-3	2	13	-11	63	0	0.02	0.5	20	22.6	47	S	335	61	10	1269	
7	10	-18	-4	13	-17	69	0	0.07	1.2	20	38.9	88	W	0	0	10	1269	
8	5	-25	-10	12	-22	75	0	0.00	0.0	20	64.2	122	NW	550	100	1	1269	
9	32	-1	16	12	4	49	0	0.17	1.3	20	60.4	120	W	5	1	10	12469	
10	36	14	25	12	13	40	0	0.73	0.4	19	58.4	114	SW	0	0	10	1246	
11	27	13	20	11	9	45	0	0.52	3.6	16	24.3	44	W	0	0	10	1246	
12	38	-5	17	11	6	48	0	1.88	0.8	19	44.9	70	NW	10	2	10	1269	
13	8	-10	-1	11	-12	66	0	0.00	0.0	18	54.3	80	NW	546	100	1	126	
14	30	8	19	10	9	46	0	T	0.0	18	53.8	90	W	60	11	10	1269	
15	36	18	27	10	17	38	0	0.43	0.0	18	68.4	108	SW	0	0	10	126	
16	19	-4	8	10	-2	57	0	0.02	0.3	14	55.3	101	W	195	36	9	1269	
17	20	3	12	9	3	53	0	0.61	4.9	15	45.4	88	W	0	0	10	1269	
18	6	0	3	9	-6	62	0	0.14	1.6	16	63.5	93	W	0	0	10	1269	
19	11	-6	3	9	-6	62	0	0.35	6.7	16	29.7	80	NW	10	2	10	1269	
20	8	-2	3	9	-6	62	0	0.08	1.4	21	19.5	40	NW	50	9	10	1269	
21	7	-5	1	8	-7	64	0	0.58	7.8	21	36.7	95	NW	0	0	10	1269	
22	-3	-19	-11	8	-19	76	0	0.16	1.9	25	83.8	117	NW	0	0	10	1269	
23	12	-16	-2	8	-10	67	0	0.01	0.2	24	47.8	84	W	417	77	8	1269	
24	35	10	23	8	15	42	0	0.90	3.0	24	68.4	127	SW	0	0	10	1269	
25	32	-3	15	7	8	50	0	0.21	0.8	22	85.5	129	SW	0	0	10	1269	
26	18	-2	8	7	1	57	0	0.01	0.1	21	36.6	72	W	316	58	8	126	
27	42	17	30	7	23	35	0	1.00	T	20	49.5	73	W	0	0	10	126	
28	42	14	28	7	21	37	0	0.08	0.0	11	70.6	122	W	5	1	10	126	
29	17	8	13	7	6	52	0	T	T	5	35.5	100	W	210	38	9	126	
30	13	-13	0	7	-7	65	0	0.33	3.0	6	64.1	108	W	0	0	10	1269	
31	5	-25	-10	7	-17	75	0	0.11	1.3	5	38.8	98	NW	10	2	10	1269	
SUM	635	-14	----	----	----	1699	0	9.10	43.8	----	1549.3	----	----	3340	----	277	----	
AVG	20.5	-0.5	----	----	----	----	----	----	----	----	50.0	FASTEST	DIR	POSS	%	8.9	----	
											MISC. ->	129	SW	16968	20%			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	10.0	TOTAL FOR THE MONTH	9.10	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.1	DEPARTURE FROM NORMAL	0.26			2 = FOG REDUCING VISIBILITY	
HIGHEST	42 on 27, 28th	24 HOUR MAX	2.38 on 11, 12th	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	-25 on 8, 31st			PARTLY CLOUDY (SCALE 4-7)	0		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	28		
NUMBER OF DAYS WITH:						4 = ICE PELLETS	
		TOTAL FOR THE MONTH	43.8	WITH .01" OR MORE PRECIP	26	5 = HAIL	
MAX. 32 OR BELOW	24	24 HOUR MAX	9.3 on 21, 22nd	WITH .10" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	25.0 on 22nd	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31			WITH 1.0" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	18					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.654 on 26th				
		LOWEST SEA-LEVEL	29.181 on 21st				
TOTAL THIS MONTH	1699	AVG STATION	23.530				
DEPARTURE FROM NORMAL	-3						
SEASON TOTAL	5756						
DEPARTURE FROM NORMAL	-142						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 8TH: NEW DAILY RECORD LOW OF -25 °F; OLD RECORD OF -24 °F SET IN 2002.				
8TH: DAILY AVERAGE WINDSPEED CONTAINS 13 HRS OF OBSERVER ESTIMATED WIND SPEEDS DUE TO ICE/WATER IN TP PITOT LINE.				
19TH: DAILY AVERAGE WINDSPEED CONTAINS 4 HRS OF OBSERVER ESTIMATED WIND SPEEDS DUE TO LOW WINDS				
22ND, 23RD: DAILY AVERAGE WINDSPEED CONTAINS 6 HRS OF OBSERVER ESTIMATED WIND SPEEDS DUE TO ICE IN TP PITOT LINE.				
27TH: NEW DAILY RECORD HIGH OF 42 °F; OLD RECORD OF 37 °F SET IN 1940 AND 1949				
28TH: DAILY RECORD HIGH OF 42 °F TIED; ORIGINAL RECORD SET IN 1940 AND 1982.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
93	86	82	88	87

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 351 HOURS OF PREVAILING WINDS FROM THE W, 47% OF THE TOTAL HOURS OF THE MONTH.