

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY				YEAR 2008			
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	13	5	9	6	3	56	0	0.54	7.4	15	29.0	59	NW	0	0	10	1269	
2	12	-15	-1	6	-7	66	0	0.14	2.0	23	45.1	84	NW	155	28	8	1269	
3	2	-23	-10	6	-16	75	0	0.00	0.0	16	44.9	90	NW	549	100	1	1269	
4	20	-6	7	6	1	58	0	0.06	0.7	16	52.8	96	W	0	0	10	1269	
5	23	10	17	6	11	48	0	0.09	0.8	14	39.5	69	W	180	33	10	1269	
6	31	18	25	6	19	40	0	0.00	0.0	15	45.1	66	W	0	0	10	1269	
7	39	28	34	6	28	31	0	0.05	0.0	13	51.6	71	W	0	0	10	126	
8	41	36	39	5	34	26	0	0.00	0.0	8	58.3	82	W	0	0	10	12	
9	40	12	26	5	21	39	0	0.16	T	4	62.8	110	W	10	2	10	1246	
10	24	12	18	5	13	47	0	0.00	0.0	1	56.3	106	W	330	59	8	126	
11	31	13	22	5	17	43	0	0.12	0.3	1	46.3	72	W	0	0	10	1246	
12	23	10	17	5	12	48	0	0.00	0.0	1	53.4	81	W	55	10	9	126	
13	21	9	15	5	10	50	0	0.00	0.0	1	28.1	68	NW	475	85	7	126	
14	12	5	9	5	4	56	0	0.06	1.0	1	35.3	68	E	0	0	10	1269	
15	8	2	5	5	0	60	0	0.02	0.3	2	26.7	54	NW	210	37	8	1269	
16	12	1	7	5	2	58	0	T	T	2	34.1	76	NW	289	51	6	1269	
17	15	8	12	5	7	53	0	0.01	0.3	2	20.2	51	S	349	61	9	126	
18	20	-1	10	5	5	55	0	0.38	2.8	3	56.5	87	W	0	0	10	12469	
19	5	-3	1	5	-4	64	0	0.02	0.6	3	42.1	65	W	0	0	10	1269	
20	-3	-21	-12	5	-17	77	0	0.06	0.8	4	60.2	106	W	225	39	7	1269	
21	-10	-26	-18	5	-23	83	0	0.00	0.0	3	72.5	101	W	0	0	10	1269	
22	9	-10	0	5	-5	65	0	0.03	0.5	3	55.8	94	SW	0	0	10	1269	
23	8	-8	0	5	-5	65	0	0.06	0.6	3	61.3	103	W	0	0	10	1269	
24	1	-16	-7	4	-11	72	0	0.03	0.3	3	39.5	76	W	0	0	10	1269	
25	-2	-17	-9	4	-13	74	0	0.00	0.0	3	72.9	95	NW	135	23	8	1269	
26	13	-6	4	5	-1	61	0	0.06	0.7	4	37.7	85	W	327	56	8	1269	
27	13	-1	6	5	1	59	0	0.05	1.4	4	17.8	40	SE	320	54	8	126	
28	31	11	21	5	16	44	0	0.00	0.0	5	30.1	50	N	593	100	1	9	
29	34	25	30	5	25	35	0	T	T	4	21.9	43	S	339	57	9	126	
30	27	-5	11	5	6	54	0	0.22	1.0	4	63.5	101	W	0	0	10	12469	
31	16	-7	5	5	0	60	0	0.00	0.0	4	55.7	93	W	581	97	4	1269	
SUM	529	40	----	----	----	1722	0	2.16	21.5	----	1417.0	----	----	5122	----	261	----	
AVG	17.1	1.3	----	----	----	----	----	----	----	----	45.7	FASTEST	DIR	POSS	%		----	
												110	W	17658	29%	8.4	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	9.2	TOTAL FOR THE MONTH	2.16	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4	DEPARTURE FROM NORMAL	-6.36			2 = FOG REDUCING VISIBILITY	
HIGHEST	41 on 8th	24 HOUR MAX	0.63 on 1st/2nd	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-26 on 21st			PARTLY CLOUDY (SCALE 4-7)	4		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25		
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	19	4 = ICE PELLETS	
MAX. 32 OR BELOW	27	TOTAL FOR THE MONTH	21.5	WITH .10" OR MORE PRECIP	6	5 = HAIL	
MAX. 90 OR ABOVE	0	24 HOUR MAX	9.0 on 1st/2nd	WITH .50" OR MORE PRECIP	1	6 = GLAZE OR RIME	
MIN. 32 OR BELOW	30	MAX DEPTH ON GROUND	23 on 2nd	WITH 1.0" OR MORE PRECIP	0	7 = BLOWING DUST OR SAND	
MIN. 0 OR BELOW	15					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.697 on 31st			X = TORNADO	
		LOWEST SEA-LEVEL	29.299 on 30th				
TOTAL THIS MONTH	1722	AVG STATION	23.5395				
DEPARTURE FROM NORMAL	-133						
SEASON TOTAL	7364						
DEPARTURE FROM NORMAL	-389						

NOTES: 7th: DAILY RECORD HIGH OF 39 F TIED, THE ORIGINAL RECORD WAS SET IN 1998.
 29th: DAILY RECORD HIGH OF 34 F TIED, THE ORIGINAL RECORD WAS SET IN 1950.

COOLING DEGREE DAYS (BASE 65°F)		AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 373 HOURS OF PREVAILING WINDS FROM THE W, 50% OF THE TOTAL HOURS OF THE MONTH.
TOTAL THIS MONTH	0	0600	1200	1800	0000	MONTH	
DEPARTURE FROM NORMAL	0	89	83	81	82	84	
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						