

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY				YEAR 2007			
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	33	14	24	6	18	41	0	0.23	0.1	9	43.1	84	SW	0	0	10	1246	
2	22	3	13	6	7	52	0	0.58	2.7	11	74.8	115	NW	0	0	10	1269	
3	22	9	16	6	10	49	0	0.00	0.0	12	62.5	88	W	340	62	4	1269	
4	34	20	27	6	21	38	0	0.00	0.0	9	58.3	84	NW	300	55	6	126	
5	41	32	37	6	31	28	0	0.31	0.0	6	56.5	96	W	0	0	10	126	
6	43	17	30	6	24	35	0	0.87	1.1	3	56.5	103	W	0	0	10	12469	
7	20	10	15	6	9	50	0	0.12	0.7	2	47.3	90	NW	220	40	7	1269	
8	32	12	22	5	17	43	0	0.97	5.1	3	58.3	95	W	0	0	10	12469	
9	13	5	9	5	4	56	0	0.23	2.2	4	57.0	93	W	0	0	10	1269	
10	5	-18	-6	5	-11	71	0	0.13	1.4	5	60.5	99	NW	25	4	10	1269	
11	22	-14	4	5	-1	61	0	0.00	0.0	5	56.6	91	NW	196	35	9	1269	
12	28	14	21	5	16	44	0	0.08	0.3	5	65.6	87	W	0	0	10	1269	
13	29	8	19	5	14	46	0	0.18	0.6	5	49.4	75	NW	115	20	9	1246	
14	22	14	18	5	13	47	0	0.19	1.6	5	44.3	57	W	0	0	10	1269	
15	31	13	22	5	17	43	0	0.33	1.5	6	41.5	84	W	0	0	10	12469	
16	23	-27	-2	5	-7	67	0	0.06	0.4	7	65.8	95	NW	145	26	8	1269	
17	4	-32	-14	5	-19	79	0	0.00	0.0	7	71.9	111	NW	530	93	2	1269	
18	14	-2	6	5	1	59	0	0.00	0.0	7	47.8	72	W	300	53	8		
19	15	3	9	5	4	56	0	0.21	1.8	6	52.4	107	NW	20	3	10	1269	
20	4	-22	-9	5	-14	74	0	0.20	1.9	8	89.7	121	NW	0	0	10	1269	
21	12	-18	-3	5	-8	68	0	0.00	0.0	8	67.5	121	NW	552	96	1	1269	
22	11	0	6	5	1	59	0	0.17	1.5	8	13.8	32	W	55	9	9	126	
23	12	1	7	5	2	58	0	0.03	0.5	9	12.8	45	W	220	38	8	1269	
24	7	-8	0	4	-4	65	0	0.14	1.2	10	42.0	66	W	0	0	10	1269	
25	3	-28	-12	4	-16	77	0	0.00	0.0	11	31.6	59	NW	455	78	4	1269	
26	-6	-33	-19	5	-24	84	0	0.00	0.0	10	60.0	85	NW	345	59	4	1269	
27	8	-10	-1	5	-6	66	0	0.10	0.7	10	34.6	63	NW	65	11	10	1269	
28	8	-2	3	5	-2	62	0	0.12	1.4	11	34.3	72	W	285	48	7	1269	
29	0	-19	-9	5	-14	74	0	0.01	0.2	11	41.2	77	NW	220	37	8	126	
30	-6	-23	-14	5	-19	79	0	0.01	0.2	11	57.5	95	NW	495	83	7	1269	
31	-3	-9	-6	5	-11	71	0	0.08	1.1	11	51.8	90	W	5	1	10	1269	
SUM	503	-90	----	----	----	1802	0	5.35	28.2	----	1606.9	----	----	4888	----	251	----	
AVG	16.2	-2.9	----	----	----	----	----	----	----	----	51.8	FASTEST	DIR	POSS	%		----	
											MISC. ->	121	NW	17658	28%	8.1	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	6.7	TOTAL FOR THE MONTH	5.35	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.5	DEPARTURE FROM NORMAL	-3.17			2 = FOG REDUCING VISIBILITY	
HIGHEST	43 on 6th	24 HOUR MAX	1.02 on 8th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-33 on 26th			PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	28.2	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	27	24 HOUR MAX	5.4 on 7th/8th	WITH .10" OR MORE PRECIP	17	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	13 on 2nd	WITH .50" OR MORE PRECIP	3	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	16	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.674 on 18th				
		LOWEST SEA-LEVEL	29.471 on 20th				
TOTAL THIS MONTH	1802	AVG STATION	23.4330				
DEPARTURE FROM NORMAL	-53						
SEASON TOTAL	7189						
DEPARTURE FROM NORMAL	-564						
		NOTES:	6th: NEW DAILY RECORD HIGH OF 43°F, OLD RECORD OF 37°F SET IN 1946.				
			26th: NEW DAILY RECORD LOW OF -33°F, OLD RECORD OF -30°F SET IN 1972.				
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		
85	85	81	85	84	

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 357 HOURS OF PREVAILING WINDS FROM THE NW, 48% OF THE TOTAL HOURS OF THE MONTH.