

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JANUARY					YEAR 2005				
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	29	1	15	6	9	50	0	0.51	1.9	13	70.1	113	W	0	0	10	1234569		
2	30	5	18	6	12	47	0	0.33	0.3	13	39.5	80	W	355	65	9	1246		
3	30	16	23	6	17	42	0	0.05	0.0	13	58.3	80	W	0	0	10	126		
4	20	5	13	6	7	52	0	0.03	0.1	13	43.0	69	W	515	94	4	126		
5	7	-3	2	6	-4	63	0	0.00	0.0	13	50.0	70	W	120	22	9	126		
6	22	7	15	6	9	50	0	0.50	3.2	13	29.0	64	S	0	0	10	1269		
7	20	1	11	6	5	54	0	0.20	1.3	14	52.9	87	W	150	27	8	1269		
8	25	12	19	5	14	46	0	0.23	3.1	14	24.5	42	NW	0	0	10	126		
9	22	8	15	5	10	50	0	T	0.2	15	21.2	47	SW	525	94	5	1269		
10	21	2	12	5	7	53	0	0.38	2.0	15	55.9	108	NW	0	0	10	1269		
11	16	-11	3	5	-2	62	0	T	0.2	13	50.2	104	W	425	76	5	1269		
12	32	14	23	5	18	42	0	0.17	1.0	13	23.5	62	W	0	0	10	1246		
13	41	32	37	5	32	28	0	0.00	0.0	12	55.8	103	SW	0	0	10	126		
14	43	-6	19	5	14	46	0	1.64	3.3	5	64.1	103	W	0	0	10	1269		
15	-4	-10	-7	5	-12	72	0	T	0.2	6	44.7	79	W	268	47	7	126		
16	4	-7	-2	5	-7	67	0	0.04	1.0	5	19.5	45	W	0	0	10	126		
17	-2	-26	-14	5	-19	79	0	0.04	0.3	6	36.0	65	NW	0	0	10	1269		
18	-3	-29	-16	5	-21	81	0	T	0.2	5	42.3	71	NW	456	80	5	126		
19	0	-8	-4	5	-9	69	0	T	0.3	5	33.6	74	S	15	3	10	1269		
20	-1	-23	-12	5	-17	77	0	T	0.1	5	45.5	72	NW	0	0	10	126		
21	-9	-27	-18	5	-23	83	0	0.00	0.0	5	58.6	79	NW	577	100	1	126		
22	3	-10	-4	5	-9	69	0	0.17	2.6	5	21.2	53	NW	543	94	8	16		
23	3	-20	-9	5	-14	74	0	0.04	0.7	6	43.2	76	NE	581	100	8	1269		
24	-3	-14	-9	4	-13	74	0	0.08	1.0	6	64.5	89	NW	494	85	6	1269		
25	-4	-17	-11	4	-15	76	0	0.06	0.6	6	53.6	84	W	430	74	5	1269		
26	2	-7	-3	5	-8	68	0	0.12	1.4	6	20.3	43	W	0	0	10	126		
27	-5	-13	-9	5	-14	74	0	0.00	0.0	6	30.0	64	NW	590	100	0			
28	5	-13	-4	5	-9	69	0	0.00	0.0	5	41.2	70	N	593	100	1	1		
29	18	2	10	5	5	55	0	0.00	0.0	5	42.5	63	NW	384	65	7			
30	16	4	10	5	5	55	0	T	T	5	20.8	39	N	557	93	7	126		
31	25	10	18	5	13	47	0	0.00	0.0	2	17.4	28	N	600	100	0			
SUM	403	-125	----	----	----	1874	0	4.59	25.0	----	1272.9	----	----	8178	----	225	----		
AVG	13.0	-4.0	----	----	----	----	----	----	----	----	41.1	FASTEST	DIR	POSS	%		----		
											MISC. ->	113	W	17658	46%	7.3	----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	4.5	TOTAL FOR THE MONTH	4.59	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.7	DEPARTURE FROM NORMAL	-3.93			2 = FOG REDUCING VISIBILITY	
HIGHEST	43 14th	24 HOUR MAX	1.64 14th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	-29 18th			PARTLY CLOUDY (SCALE 4-7)	9	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	18	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	25.0	WITH .01" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	29	24 HOUR MAX	4.5 6th/7th	WITH .10" OR MORE PRECIP	10	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	15 9th/10th	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	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	17	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.660 2nd				
		LOWEST SEA-LEVEL	29.525 25th				
TOTAL THIS MONTH	1874	AVG STATION	23.5775				
DEPARTURE FROM NORMAL	19						
SEASON TOTAL	7410						
DEPARTURE FROM NORMAL	-343						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 13th: TIED DAILY RECORD HIGH OF 41F SET IN 1995
14th: NEW DAILY RECORD HIGH OF 43F. OLD RECORD OF 42F SET IN 1995.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
76	76	75	74	75

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 282 HOURS OF PREVAILING WINDS FROM THE W,
38% OF THE TOTAL HOURS OF THE MONTH.