

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH APRIL				YEAR 2007					
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.
DEGREE DAYS										TOTAL	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS	COVER	WEATHER
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	(EQUIV)	ICE		SPEED	SPEED	DIR						
1	33	14	24	18	6	41	0	0.10	0.2	0	19.4	53	NW	562	72	8	1246		
2	28	20	24	18	6	41	0	0.20	1.2	T	21.8	47	SW	0	0	10	1246		
3	31	23	27	19	8	38	0	0.05	0.3	1	10.1	32	W	285	36	9	126		
4	27	9	18	19	-1	47	0	0.72	5.6	2	28.8	58	S	0	0	10	1269		
5	17	1	9	19	-10	56	0	0.61	6.6	6	24.6	44	NW	10	1	10	1269		
6	13	0	7	19	-12	58	0	0.15	2.4	7	28.6	47	NW	20	3	10	1269		
7	19	0	10	20	-10	55	0	0.05	1.3	7	12.8	39	NW	50	6	9	1269		
8	8	-2	3	20	-17	62	0	0.71	4.8	7	54.5	93	NW	0	0	10	1269		
9	12	6	9	20	-11	56	0	0.45	2.7	8	59.1	103	W	0	0	10	1269		
10	15	5	10	21	-11	55	0	0.12	1.7	9	40.1	72	NW	0	0	10	1269		
11	24	5	15	21	-6	50	0	0.01	0.2	9	20.6	56	NW	625	77	5	1269		
12	23	12	18	21	-3	47	0	1.09	8.9	9	30.8	61	SE	15	2	10	1269		
13	20	12	16	22	-6	49	0	0.01	0.2	12	49.9	91	NW	0	0	10	1269		
14	24	14	19	22	-3	46	0	0.00	0.0	13	33.7	79	NW	70	9	10	1269		
15	23	13	18	22	-4	47	0	1.10	6.8	13	43.4	102	SE	0	0	10	1269		
16	25	16	21	23	-2	44	0	1.83	6.3	8	91.9	156	E	0	0	10	12469		
17	22	17	20	23	-3	45	0	1.81	8.1	8	64.0	94	E	0	0	10	12469		
18	28	21	25	24	1	40	0	1.24	4.5	11	54.5	99	E	5	1	10	12469		
19	29	23	26	24	2	39	0	0.02	0.1	11	42.8	64	NE	705	85	5	1246		
20	37	25	31	24	7	34	0	0.00	0.0	10	31.4	50	N	825	99	2			
21	38	30	34	25	9	31	0	0.00	0.0	9	32.6	58	NW	650	78	6			
22	43	31	37	25	12	28	0	0.00	0.0	8	30.2	78	W	641	76	7			
23	50	39	45	26	19	20	0	0.01	0.0	7	51.6	105	W	705	84	6	12		
24	41	19	30	26	4	35	0	0.24	0.0	4	57.8	99	W	490	58	7	126		
25	25	18	22	27	-5	43	0	0.00	0.0	3	37.2	58	NW	195	23	9	126		
26	38	19	29	27	2	36	0	0.00	0.0	3	19.7	49	NW	587	69	7			
27	43	26	35	27	8	30	0	0.36	0.0	3	31.5	52	SW	0	0	10	126		
28	41	34	38	28	10	27	0	0.41	0.0	2	18.8	44	W	35	4	10	12		
29	40	28	34	28	6	31	0	0.50	0.5	2	13.0	47	NW	10	1	10	1246		
30	33	20	27	29	-2	38	0	1.03	2.6	2	56.3	103	NW	10	1	10	123469		
SUM	850	498	----	----	----	1269	0	12.82	65.0	----	1111.5	----	----	6495	----	260	----		
AVG	28.3	16.6	----	----	----	----	----	----	----	----	37.1	FASTEST	DIR	POSS	%		----		
											MISC. ->	156	E	24607	26%	8.7	----		

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	22.5	TOTAL FOR THE MONTH	12.82	NUMBER OF DAYS:	1	1 = FOG	
DEPARTURE FROM NORMAL	-0.4	DEPARTURE FROM NORMAL	4.39	CLEAR (SCALE 0-3)	7	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	50 on 23rd	24 HOUR MAX	2.73 on 15th/16th	PARTLY CLOUDY (SCALE 4-7)	22	3 = THUNDER	
LOWEST	-2 on 8th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	65.0	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	19	24 HOUR MAX	11.4 on 15th/16th	WITH .10" OR MORE PRECIP	10	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	17 on 15th	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	28			WITH 1.0" OR MORE PRECIP		8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	3	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.360 on 22nd			X = TORNADO	
		LOWEST SEA-LEVEL	29.270 on 16th				
TOTAL THIS MONTH	1269	AVG STATION	23.541				
DEPARTURE FROM NORMAL	6						
SEASON TOTAL	11960						
DEPARTURE FROM NORMAL	-285						
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				
0600	1200	1800	0000	MONTH
87	84	84	88	86

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
THERE WERE 284 HOURS OF PREVAILING WINDS FROM THE NW, 38% OF THE TOTAL HOURS OF THE MONTH.