

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											MARCH				2007			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)				STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6280 FT				EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)				SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.
DEGREE DAYS						TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM		AVG SPEED	FASTEST MILE		TOTAL % POSS					
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR					
1	21	2	12	9	3	53	0	0.01	0.7	11	27.7	47	NW	573	84	2	12	
2	21	4	13	10	3	52	0	1.34	10.2	12	48.8	89	SE	0	0	10	12469	
3	20	7	14	10	4	51	0	0.10	1.5	12	47.0	77	W	170	25	9	1269	
4	11	-2	5	10	-5	60	0	0.29	5.1	13	55.4	97	NW	0	0	10	1269	
5	7	-20	-6	11	-17	71	0	0.12	2.2	14	63.4	92	NW	0	0	10	1269	
6	-19	-37	-28	11	-39	93	0	0.00	0.0	13	83.9	117	NW	195	28	9	1269	
7	-12	-30	-21	11	-32	86	0	0.00	0.0	13	56.9	88	NW	687	98	3	1269	
8	0	-28	-14	11	-25	79	0	0.00	0.0	13	69.0	108	NW	218	31	8	1269	
9	23	0	12	12	0	53	0	0.00	0.0	13	39.5	72	NW	682	97	4		
10	33	21	27	12	15	38	0	0.21	1.0	12	45.0	82	W	354	50	9	1246	
11	25	10	18	12	6	47	0	0.05	0.3	13	56.2	88	NW	0	0	10	1269	
12	21	10	16	13	3	49	0	0.00	0.0	12	56.4	74	NW	443	62	8	1269	
13	36	16	26	13	13	39	0	0.08	0.2	12	43.4	85	W	0	0	10	1269	
14	43	33	38	13	24	27	0	0.29	T	11	57.0	94	W	0	0	10	1246	
15	39	5	22	13	9	43	0	0.34	0.3	4	53.1	93	NW	0	0	10	1246	
16	22	2	12	14	-2	53	0	0.16	1.4	4	27.9	85	E	30	4	10	1269	
17	33	2	18	14	4	47	0	0.73	2.4	6	32.0	84	SE	0	0	10	12469	
18	12	-7	3	14	-11	62	0	0.18	2.8	6	57.3	113	NW	15	2	10	1269	
19	15	-8	4	14	-10	61	0	0.08	1.1	6	55.1	107	W	490	66	7	1269	
20	15	-11	2	15	-13	63	0	0.13	1.2	7	68.9	104	W	0	0	10	1269	
21	32	-4	14	15	-1	51	0	T	T	6	36.7	83	NW	743	100	3	126	
22	41	30	36	15	21	29	0	0.32	T	5	61.1	99	W	35	5	10	126	
23	32	11	22	16	6	43	0	0.03	0.0	2	51.3	81	W	0	0	10	126	
24	26	11	19	16	3	46	0	0.17	2.8	2	18.3	47	NW	475	63	7	126	
25	27	16	22	16	6	43	0	0.01	0.6	5	14.5	29	NW	384	51	6	1269	
26	40	25	33	16	17	32	0	0.30	0.0	5	26.5	54	W	35	5	10	126	
27	39	28	34	17	17	31	0	0.09	0.0	2	38.3	90	NW	0	0	10	126	
28	29	0	15	17	-2	50	0	0.00	0.0	2	61.0	101	N	488	64	4	126	
29	23	-1	11	17	-6	54	0	0.00	0.0	2	62.3	106	N	749	98	1		
30	24	8	16	17	-1	49	0	0.00	0.0	1	59.5	92	NW	210	27	9	126	
31	19	10	15	18	-3	50	0	0.00	0.0	1	40.9	70	NW	764	99	3		
SUM	698	103	----	----	----	1605	0	5.03	33.8	----	1514.3	----	----	7740	----	242	----	
AVG	22.5	3.3	----	----	----	----	----	----	----	----	48.8	FASTEST	DIR	POSS	%		----	
												117	NW	22568	34%	7.8	----	
												MISC. ->						

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	12.9	TOTAL FOR THE MONTH	5.03	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.7	DEPARTURE FROM NORMAL	-4.39			2 = FOG REDUCING VISIBILITY	
HIGHEST	43 on 14th	24 HOUR MAX	1.34 on 2nd	CLEAR (SCALE 0-3)	5	TO 1/4 MILE OR LESS	
LOWEST	-37 on 6th			PARTLY CLOUDY (SCALE 4-7)	5		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	33.8	WITH .01" OR MORE PRECIP	21	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	23	24 HOUR MAX	10.2 on 2nd	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	14 on 4th/5th	WITH .50" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	30			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	12					9 = BLOWING SNOW	
		PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.782 on 21st				
		LOWEST SEA-LEVEL	29.308 on 18th				
TOTAL THIS MONTH	1605	AVG STATION	23.573				
DEPARTURE FROM NORMAL	12						
SEASON TOTAL	10691						
DEPARTURE FROM NORMAL	-291						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:	6th: NEW DAILY RECORD LOW OF -37°F, OLD RECORD OF -23°F SET IN 1950.
	7th: NEW DAILY RECORD LOW OF -30°F, OLD RECORD OF -21°F SET IN 1937.
	14th: DAILY RECORD HIGH OF 43°F TIED, THE ORIGINAL RECORD WAS SET IN 1990.
	22nd: NEW DAILY RECORD HIGH OF 41°F, OLD RECORD OF 39°F SET IN 1948.

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
78	79	87	81	81

  

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 316 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.
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