

WS FORM F-6										STATION									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MOUNT WASHINGTON OBSERVATORY									
LATITUDE					LONGITUDE					MONTH					YEAR				
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST					JANUARY					2011				
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	COVER	WEATHER	
1	42	33	38	6	32	27	0	T	0.0	14	41.3	67	W	10	2	10	12		
2	38	5	22	6	16	43	0	0.11	T	5	28.5	53	W	180	33	9	1246		
3	5	-2	2	6	-4	63	0	0.05	0.6	5	76.2	126	NW	0	0	10	1269		
4	7	-2	3	6	-3	62	0	0.07	1.5	5	55.8	98	NW	0	0	10	1269		
5	5	-7	-1	6	-7	66	0	0.10	1.5	7	72.2	106	W	0	0	10	1269		
6	-1	-8	-4	6	-10	69	0	T	T	7	37.8	94	NW	372	67	9	1269		
7	8	-6	1	6	-5	64	0	0.03	0.4	7	14.2	25	S	260	47	9	126		
8	10	6	8	5	3	57	0	T	0.7	7	13.4	23	N	40	7	10	126		
9	9	-7	1	5	-4	64	0	0.10	0.9	8	58.7	90	W	0	0	10	1269		
10	19	-8	6	5	1	59	0	0.07	0.6	8	50.3	77	NW	167	30	8	1269		
11	22	12	17	5	12	48	0	0.00	0.0	8	14.5	35	NW	527	94	4			
12	17	3	10	5	5	55	0	0.47	8.8	8	45.7	82	E	0	0	10	1269		
13	8	-3	3	5	-2	62	0	0.11	1.4	10	32.8	83	NW	250	44	8	1269		
14	10	-3	4	5	-1	61	0	0.00	0.0	10	13.9	37	NW	563	100	5	126		
15	5	-3	1	5	-4	64	0	0.10	1.4	10	34.5	83	SW	348	61	8	1269		
16	4	-15	-5	5	-10	70	0	0.10	1.1	11	53.3	81	W	0	0	10	1269		
17	9	-17	-4	5	-9	69	0	0.00	0.0	11	34.3	60	W	569	100	1	1269		
18	28	7	18	5	13	47	0	0.59	8.3	11	46.4	76	S	0	0	10	12469		
19	29	14	22	5	17	43	0	0.21	3.0	16	13.1	38	SE	30	5	10	12469		
20	15	-4	6	5	1	59	0	T	T	18	28.8	50	NW	105	18	9	1269		
21	7	-14	-3	5	-8	68	0	0.19	1.9	18	45.0	101	W	0	0	10	1269		
22	-3	-19	-11	5	-16	76	0	0.00	0.0	19	42.9	89	W	525	91	4	1269		
23	-7	-34	-20	5	-25	85	0	0.02	0.2	19	41.4	79	NW	55	9	10	1269		
24	-2	-35	-18	4	-22	83	0	T	T	19	55.8	89	NW	583	100	1	1269		
25	9	-2	4	4	0	61	0	0.07	1.4	19	45.3	70	W	0	0	10	1269		
26	17	4	11	5	6	54	0	0.00	0.0	19	20.0	51	W	430	73	6	126		
27	17	-1	8	5	3	57	0	0.06	0.9	18	24.6	52	N	155	26	10	126		
28	7	0	4	5	-1	61	0	0.02	1.3	18	20.4	37	NW	270	46	9	126		
29	9	1	5	5	0	60	0	0.04	1.6	20	12.9	29	W	60	10	9	126		
30	4	-11	-3	5	-8	68	0	0.05	0.9	21	26.7	73	W	5	1	9	1269		
31	1	-18	-8	5	-13	73	0	0.00	0.0	19	47.0	74	NW	571	95	4	1269		
SUM	348	-134	----	----	----	1898	0	2.56	38.4	----	1147.7	----	----	6075	----	252	----		
AVG	11.2	-4.3	----	----	----	----	----	----	----	----	37.0	FASTEST	DIR	POSS	%	8.1	----		
											MISC. ->	126	NW	17658	34%				

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	3.5	TOTAL FOR THE MONTH	2.56	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.7	DEPARTURE FROM NORMAL	-5.96			2 = FOG REDUCING VISIBILITY	
HIGHEST	42 on 1st	24 HOUR MAX	0.69 on 18th/19th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-35 on 24th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	38.4	WITH .01" OR MORE PRECIP	20	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	29	24 HOUR MAX	10.0 on 12th/13th	WITH .10" OR MORE PRECIP	10	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	21 on 30th	WITH .50" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	30			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	22	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.198 on 1st				
		LOWEST SEA-LEVEL	29.349 on 21st				
TOTAL THIS MONTH	1898	AVG STATION	23.385				
DEPARTURE FROM NORMAL	43						
SEASON TOTAL	7596						
DEPARTURE FROM NORMAL	-157						

NOTES: 1ST: NEW DAILY RECORD HIGH OF 42°F; PREVIOUS RECORD OF 40°F SET IN 1945.
 3RD: DAILY AVG WIND SPEED CONTAINS: 15 HRS OF WHOLLY ESTIMATED SPEEDS, AND 6 HRS OF SPEEDS DERIVED FROM HYDROTECH ANEMOMETER DATA, SUSPECTED OF READING APPROX. 10% HIGH. PEAK SPEED ALSO DERIVED FROM HYDROTECH DATA.
 4TH, 5TH: DAILY AVG WIND SPEED AND PEAK SPEED DERIVED FROM 24 HOURS OF HYDROTECH DATA.
 6TH: 12 HRS OF DAILY AVG WIND SPEED AND PEAK SPEED DERIVED FROM HYDROTECH DATA.
 10TH: DAILY AVG WIND SPEED CONTAINS 4 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOGS IN TP LINE OF PITOT.
 12TH, 18TH, 21ST, 25TH: SNOWFALL & PRECIP TOTALS PARTIALLY ESTIMATED DUE TO BLOWING SNOW COMING OUT OF CAN.
 19TH: DAILY AVG WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO LOW WINDS CAUSING PITOT NOT TO VANE INTO THE WIND.
 21ST: DAILY AVG WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.

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 311 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
84	86	81	83	84	