

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
											MONTH			YEAR			
											JANUARY			2014			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)			STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6,280 FT			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-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS		
1	-11	-17	-14	6	-20	79	0	0.08	0.7	16	57.5	86	W	0	0	10	1269
2	4	-14	-5	6	-11	70	0	0.17	5.9	16	24.4	56	W	20	4	10	126
3	2	-17	-7	6	-13	72	0	0.19	2.0	22	35.8	73	NW	374	68	8	126
4	19	-9	5	5	0	60	0	0.00	0.0	17	59.2	90	W	505	92	4	
5	31	6	19	5	14	46	0	0.22	0.3	15	53.6	87	S	390	71	8	1246
6	38	-3	18	5	13	47	0	1.10	1.3	13	58.4	96	S	0	0	10	1246
7	-2	-24	-13	5	-18	78	0	0.18	1.6	7	72.4	115	W	0	0	10	1269
8	-5	-23	-14	5	-19	79	0	T	T	7	59.8	104	W	165	30	8	126
9	11	-11	0	5	-5	65	0	0.00	0.0	7	55.0	99	W	215	39	6	126
10	25	5	15	5	10	50	0	0.07	0.8	7	44.3	64	W	0	0	10	1269
11	40	23	32	5	27	33	0	1.36	T	6	50.2	94	SW	0	0	10	12469
12	32	8	20	5	15	45	0	0.23	2.5	2	73.0	107	W	0	0	10	12469
13	35	10	23	5	18	42	0	0.00	0.0	2	50.3	83	NW	387	69	5	1269
14	30	18	24	5	19	41	0	0.81	7.0	2	34.8	79	W	0	0	10	1269
15	22	13	18	5	13	47	0	0.05	0.5	6	36.1	54	W	566	100	3	1269
16	22	16	19	5	14	46	0	0.04	0.8	6	24.4	39	SW	0	0	10	126
17	17	8	13	4	9	52	0	0.01	0.1	7	34.3	58	SW	330	58	8	1269
18	15	8	12	4	8	53	0	0.03	1.0	7	15.0	40	W	220	39	9	126
19	10	1	6	4	2	59	0	0.13	2.1	8	37.1	95	W	0	0	10	1269
20	9	-24	-7	4	-11	72	0	0.11	1.5	7	58.8	86	W	0	0	10	1269
21	-3	-24	-13	4	-17	78	0	0.00	0.0	6	26.4	71	NW	392	68	8	126
22	0	-11	-5	4	-9	70	0	0.00	0.0	6	29.9	57	N	487	84	6	126
23	-6	-21	-13	4	-17	78	0	0.00	0.0	6	29.7	54	NW	490	84	8	126
24	-1	-19	-10	4	-14	75	0	0.00	0.0	6	33.1	59	W	564	97	4	12
25	3	-9	-3	4	-7	68	0	0.23	4.4	6	43.8	89	SW	20	3	10	1269
26	-1	-26	-13	4	-17	78	0	0.08	1.5	7	63.2	121	W	390	66	9	1269
27	20	-19	1	5	-4	64	0	0.14	3.1	7	69.5	114	W	30	5	10	1269
28	-13	-22	-17	5	-22	82	0	0.00	0.0	8	51.6	87	W	375	63	8	1269
29	-8	-15	-11	5	-16	76	0	0.00	0.0	8	47.8	90	W	570	96	3	126
30	11	-15	-2	5	-7	67	0	0.00	0.0	8	45.2	92	NW	590	99	3	126
31	12	3	8	5	3	57	0	0.00	0.0	8	56.8	87	W	61	10	10	126
SUM	358	-204	----	----	----	1929	0	5.23	37.1	----	1431.4	----	----	7141	----	248	----
AVG	11.5	-6.6	----	----	----	----	----	----	----	----	46.2	FASTEST	DIR	POSS	%		----
											MISC. ->	121	W	17658	40%	8.0	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	2.5	TOTAL FOR THE MONTH	5.23	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.2	DEPARTURE FROM NORMAL	-1.21			2 = FOG REDUCING VISIBILITY	
HIGHEST	40 on 11th	24 HOUR MAX	1.39 on 11th/12th	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	-26 on 26th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	37.1	WITH .01" OR MORE PRECIP	19	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	28	24 HOUR MAX	7.5 on 14th/15th	WITH .10" OR MORE PRECIP	12	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	22 on 3rd	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	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	19	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.658 on 9th				
		LOWEST SEA-LEVEL	29.208 on 25th				
TOTAL THIS MONTH	1929	AVG STATION	23.038				
DEPARTURE FROM NORMAL	61						
SEASON TOTAL	7723						
DEPARTURE FROM NORMAL	25						

NOTES: COL. 9 TIME CHANGED TO 0700EST TO BETTER ALIGN WITH NWS/NCDC NATIONAL STANDARDS.

4TH, 26TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF SPEEDS FROM HAYS CHART DUE TO PLANNED DATABASE OUTAGE.

6TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO PARTIAL MELTING PRIOR TO A COLLECTION.

8TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HRS OF OBSERVER ESTIMATED WINDS DUE TO DISCONNECTION OF TUBES/SEVERE ICE CLOGS IN LINES.

10TH: DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE BLOWING SNOW IN CAN.

11TH, 12TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING PRIOR TO A COLLECTION

11TH: NEW DAILY RECORD HIGH OF 40°F; PREVIOUS RECORD OF 36°F SET IN 1980.

16TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF OBSERVER ESTIMATED WINDS DUE TO SUSPECTED ICE CLOGS IN LINES.

25TH, 26TH, 27TH: DAILY PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNTS IN CAN FROM HIGH WINDS.

25TH: DAILY AVERAGE WIND SPEEDS CONTAIN 14 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO PLANNED DATABASE OUTAGE.

25TH: PEAK WIND SPEED DETERMINED USING HAYS CHART; DIRECTION IS OBSERVER DETERMINED.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					MONTH
0600	1200	1800	0000		
81	85	80	79		81

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 437 HOURS OF PREVAILING WINDS FROM THE W, 59% OF THE TOTAL HOURS OF THE MONTH.