

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
											MONTH			YEAR			
											FEBRUARY			2014			
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.
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS	COVER	WEATHER	
1	20	5	13	5	8	52	0	0.12	2.2	8	37.6	88	230 (SW)	382	63	8	1269
2	23	4	14	5	9	51	0	0.11	1.9	9	51.7	91	270 (W)	0	0	10	1269
3	16	1	9	5	4	56	0	T	0.1	9	21.2	53	300 (NW)	159	26	9	126
4	11	5	8	5	3	57	0	0.00	0.0	9	28.5	46	280 (W)	596	98	6	
5	14	-3	6	5	1	59	0	0.68	12.7	10	19.8	76	320 (NW)	0	0	10	1269
6	8	-8	0	5	-5	65	0	T	T	13	35.1	63	320 (NW)	615	100	6	1269
7	-2	-10	-6	5	-11	71	0	0.01	0.1	13	45.3	64	280 (W)	143	23	8	1269
8	4	-12	-4	5	-9	69	0	0.00	0.0	13	49.9	80	290 (W)	480	77	4	1269
9	4	-3	1	5	-4	64	0	0.03	0.8	13	22.9	38	280 (W)	440	71	6	126
10	1	-13	-6	5	-11	71	0	0.05	0.7	14	39.2	67	290 (W)	30	5	10	1269
11	-9	-20	-14	6	-20	79	0	0.00	0.0	14	44.5	66	300 (NW)	72	11	9	1269
12	13	-10	2	6	-4	63	0	0.00	0.0	13	21.8	56	200 (S)	631	100	1	
13	20	5	13	6	7	52	0	0.80	8.7	13	41.6	92	070 (E)	10	2	10	1269
14	18	-1	9	6	3	56	0	1.19	11.5	21	57.6	112	300 (NW)	35	5	10	1269
15	17	1	9	6	3	56	0	0.11	1.9	18	19.9	49	310 (NW)	81	13	10	126
16	2	-16	-7	6	-13	72	0	0.29	2.5	20	62.8	91	310 (NW)	0	0	10	1269
17	17	-17	0	6	-6	65	0	0.00	0.0	19	59.6	107	330 (NW)	647	100	1	126
18	14	1	8	7	1	57	0	0.31	5.4	19	31.0	67	180 (S)	61	9	10	1269
19	24	6	15	7	8	50	0	0.39	3.8	20	37.8	78	300 (NW)	86	13	10	1269
20	22	9	16	7	9	49	0	0.14	1.8	19	59.9	107	300 (NW)	40	6	10	1269
21	33	15	24	7	17	41	0	0.35	1.5	19	35.1	81	180 (S)	0	0	10	1246
22	17	9	13	7	6	52	0	0.02	0.2	19	64.8	109	280 (W)	286	43	8	1269
23	16	6	11	7	4	54	0	0.00	0.0	19	51.4	76	270 (W)	464	70	9	
24	6	-11	-2	8	-10	67	0	0.06	1.4	18	59.4	93	280 (W)	0	0	10	1269
25	-7	-15	-11	8	-19	76	0	0.11	1.3	18	52.6	91	290 (W)	245	37	9	1269
26	-4	-19	-11	8	-19	76	0	0.16	1.6	18	38.9	65	280 (W)	60	9	10	1269
27	-6	-18	-12	8	-20	77	0	0.09	2.0	19	28.5	63	280 (W)	160	24	9	1269
28	-3	-22	-12	8	-20	77	0	T	T	20	40.0	74	300 (NW)	238	35	8	1269
SUM	289	-131	----	----	----	1734	0	5.02	62.1	----	1158.4	----	----	5961	----	231	----
AVG	10.3	-4.7	----	----	----	----	----	----	----	----	41.4	FASTEST	DIR	POSS	%		----
											MISC. ->	112	300 (NW)	17905	33%	8.3	----
<u>TEMPERATURE DATA (°F)</u>						<u>PRECIPITATION DATA (IN.)</u>					<u>WEATHER</u>			<u>SYMBOLS USED IN COLUMN 16</u>			
AVERAGE MONTHLY						2.8					TOTAL FOR THE MONTH			5.02			
DEPARTURE FROM NORMAL						-3.3					DEPARTURE FROM NORMAL			-1.75			
HIGHEST						33 on 21st					24 HOUR MAX			1.58 on 13th/14th			
LOWEST						-22 on 28th					SNOWFALL, ICE PELLETS (IN.)						
NUMBER OF DAYS WITH:											TOTAL FOR THE MONTH			62.1			
MAX. 32 OR BELOW						27					24 HOUR MAX			16.6 on 13th/14th			
MAX. 90 OR ABOVE						0					MAX DEPTH ON GROUND			22 on 14th			
MIN. 32 OR BELOW						28					PRESSURE DATA (IN.)						
MIN. 0 OR BELOW						16					HIGHEST SEA-LEVEL			30.565 on 12th			
HEATING DEGREE DAYS (BASE 65°F)											LOWEST SEA-LEVEL			28.779 on 14th			
TOTAL THIS MONTH						1734					AVG STATION			23.426			
DEPARTURE FROM NORMAL						86											
SEASON TOTAL						9457											
DEPARTURE FROM NORMAL						111											
COOLING DEGREE DAYS (BASE 65°F)																	
TOTAL THIS MONTH						0											
DEPARTURE FROM NORMAL						0											
SEASON TOTAL						0											
DEPARTURE FROM NORMAL						0											
NOTES:																	
COL. 12 DIRECTIONS CHANGED TO DEGREES WITH LETTERED DIRECTION IN PARENTHESES TO BETTER ALIGN WITH NWS/NCDC STANDARDS.																	
13TH: DAILY AVERAGE WIND SPEED CONTAINS 6 HRS OF SPEEDS FROM HAYS CHART DUE TO CONNECTIVITY ISSUES WITH DATABASE.																	
14TH, 15TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF OBSERVER ESTIMATED WIND DUE TO ICE CLOG IN PITOT LINES.																	
14TH, 19TH: DAILY PRECIPITATION AND SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNTS IN CAN FROM HIGH WINDS.																	
16TH: DAILY AVERAGE WIND SPEED CONTAINS 4 HRS OF SPEEDS FROM HAYS CHART DUE TO DATABASE MAINTENANCE.																	
17TH: DAILY AVERAGE WIND SPEED CONTAINS 6 HRS OF SPEEDS FROM ALTERNATE DATABASE DUE TO WORK ON PRIMARY DATABASE.																	
18TH, 19TH, 20TH: DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE BLOWING SNOW IN CAN.																	
18TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HRS OF OBSERVER ESTIMATED WIND DUE TO GRADUAL ICE CLOG IN PITOT LINES.																	
<u>AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR</u>										NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.							
0600		1200		1800		0000		MONTH		THERE WERE 310 HOURS OF PREVAILING WINDS FROM THE W, 46% OF THE TOTAL HOURS OF THE MONTH.							
78		85		85		83		83									