

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH FEBRUARY				YEAR 2011			
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.	
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			
1	10	-3	4	5	-1	61	0	0.06	1.7	17	30.0	40	W	0	0	10	1269	
2	20	2	11	5	6	54	0	0.66	9.3	18	29.1	56	SE	0	0	10	1269	
3	6	-2	2	5	-3	63	0	T	0.1	23	23.8	58	W	607	100	1	1269	
4	11	-2	5	5	0	60	0	0.00	0.0	23	53.3	75	W	441	72	5	1269	
5	25	6	16	5	11	49	0	1.26	7.8	23	44.7	78	SE	347	57	6	123469	
6	24	5	15	5	10	50	0	0.33	1.8	29	57.1	104	NW	0	0	10	1269	
7	19	8	14	5	9	51	0	T	0.2	29	32.8	51	SW	0	0	10	1269	
8	18	-22	-2	5	-7	67	0	0.30	3.8	30	38.7	87	W	0	0	10	1269	
9	-2	-22	-12	5	-17	77	0	0.00	0.0	30	70.8	104	NW	40	6	10	1269	
10	-6	-13	-9	6	-15	74	0	0.00	0.0	24	56.3	85	W	15	2	10	1269	
11	-1	-12	-6	6	-12	71	0	0.00	0.0	22	43.5	65	W	78	12	9	126	
12	5	-6	0	6	-6	65	0	0.03	0.4	22	57.0	102	W	0	0	10	1269	
13	18	-9	5	6	-1	60	0	0.13	1.7	22	57.8	97	W	115	18	9	1269	
14	24	-9	8	6	2	57	0	0.10	1.7	22	56.9	97	N	0	0	10	1269	
15	6	-19	-6	6	-12	71	0	T	T	22	82.5	118	NW	580	90	3	1269	
16	21	5	13	7	6	52	0	0.02	0.3	20	49.3	89	NW	25	4	10	1269	
17	33	17	25	7	18	40	0	0.02	0.1	20	36.9	58	W	594	92	6	12469	
18	34	13	24	7	17	41	0	T	T	20	56.3	83	W	70	11	10	1246	
19	13	-14	0	7	-7	65	0	0.20	2.1	20	56.9	92	W	0	0	10	12369	
20	10	-13	-1	7	-8	66	0	0.00	0.0	20	64.7	109	NW	470	72	5	1269	
21	5	-17	-6	8	-14	71	0	0.09	0.8	20	48.3	79	NW	75	11	9	1269	
22	7	-1	3	8	-5	62	0	0.00	0.0	20	46.1	71	NW	660	100	1	1269	
23	16	4	10	8	2	55	0	0.00	0.0	20	47.6	71	NW	665	100	1		
24	17	10	14	8	6	51	0	T	T	18	35.8	67	W	349	52	6	126	
25	19	-2	9	9	0	56	0	0.59	5.9	16	34.6	103	NW	0	0	10	1269	
26	2	-12	-5	9	-14	70	0	0.06	0.6	16	61.0	103	W	30	4	9	1269	
27	11	2	7	9	-2	58	0	0.08	2.2	16	24.3	45	SW	0	0	10	1269	
28	28	2	15	9	6	50	0	0.30	1.9	17	57.1	108	W	0	0	10	1269	
SUM	393	-104	----	----	----	1667	0	4.23	42.4	----	1353.2	----	----	5161	----	220	----	
AVG	14	-4	----	----	----	----	----	----	----	----	48.3	FASTEST	DIR	POSS	%	7.9	----	
											MISC. ->	118	NW	17905	29%			----

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	5.2	TOTAL FOR THE MONTH	4.23	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.4	DEPARTURE FROM NORMAL	-3.10			2 = FOG REDUCING VISIBILITY	
HIGHEST	34 on 18th	24 HOUR MAX	1.59 on 5th/6th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	-22 on 8th, 9th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	19	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	42.4	WITH .01" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	26	24 HOUR MAX	9.6 on 5th/6th	WITH .10" OR MORE PRECIP	9	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	31 on 8th, 9th	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	28			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	17	<u>PRESSURE DATA (IN.)</u>				9 = BLOWING SNOW	
		HIGHEST SEA-LEVEL	30.438 on 16th			X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.157 on 6th				
TOTAL THIS MONTH	1667	AVG STATION	23.404				
DEPARTURE FROM NORMAL	31						
SEASON TOTAL	9263						
DEPARTURE FROM NORMAL	-126						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						
NOTES: 7TH: DAILY AVG WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO ICE/WATER CLOGS IN TP LINE OF PITOT.							
8TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO ICE IN TP LINE OF PITOT.							
9TH: DAILY AVG WIND SPEED CONTAINS 12 HRS OF ESTIMATED SPEEDS DUE TO ICE IN TP LINE OF PITOT.							
14TH: DAILY AVG WIND SPEED CONTAINS 4 HRS OF ESTIMATED SPEEDS DUE TO WATER IN TP LINE OF PITOT.							
14TH/15TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO BLOWING SNOW IN CAN.							
15TH: DAILY AVG WIND SPEED CONTAINS 3 HRS OF ESTIMATED SPEEDS DUE TO WATER IN TP LINE OF PITOT.							
18TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT.							
27TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO WINDS TOO LIGHT FOR PITOT TO VANE.							
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.		
0600	1200	1800	0000	MONTH			
80	84	82	88	83	THERE WERE 377 HOURS OF PREVAILING WINDS FROM THE W, 51% OF THE TOTAL HOURS OF THE MONTH.		