

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH APRIL				YEAR 2010			
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	DEGREE DAYS HEAT	DEGREE DAYS COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	46	34	40	18	22	25	0	0.00	0.0	21	15.8	34	N	777	100	5		
2	54	39	47	18	29	18	0	0.00	0.0	18	16.7	37	W	780	100	5		
3	56	44	50	19	31	15	0	0.00	0.0	16	13.2	52	W	783	100	4		
4	46	28	37	19	18	28	0	0.00	0.0	12	46.5	70	W	751	96	5		
5	40	28	34	19	15	31	0	T	0.0	10	38.1	95	W	460	58	9		
6	42	27	35	19	16	30	0	0.49	0.3	9	48.6	96	NW	45	6	10	12346	
7	50	37	44	20	24	21	0	0.22	0.0	8	60.8	95	W	380	48	9	123	
8	42	30	36	20	16	29	0	0.02	0.0	8	36.0	68	W	0	0	10	12	
9	43	13	28	20	8	37	0	0.99	2.4	6	31.7	61	NW	0	0	10	12469	
10	20	11	16	21	-5	49	0	0.18	0.9	8	68.0	96	W	165	21	9	1269	
11	24	17	21	21	0	44	0	0.24	1.9	8	51.8	82	W	35	4	10	1269	
12	21	16	19	21	-2	46	0	0.00	0.0	9	41.1	64	W	125	15	10	1269	
13	26	15	21	22	-1	44	0	0.00	0.0	9	19.1	38	NW	814	100	5		
14	27	17	22	22	0	43	0	0.00	0.0	9	41.5	73	W	813	100	8		
15	28	16	22	22	0	43	0	0.00	0.0	8	25.8	75	NW	694	85	5	1	
16	30	15	23	23	0	42	0	1.02	7.9	9	15.4	29	SW	0	0	10	1246	
17	27	18	23	23	0	42	0	0.42	4.3	16	14.0	30	SW	0	0	10	1269	
18	22	15	19	24	-5	46	0	0.28	3.0	17	25.5	46	NW	0	0	10	1269	
19	27	16	22	24	-2	43	0	0.00	0.0	19	39.6	67	N	10	1	10	1269	
20	31	25	28	24	4	37	0	T	T	18	36.8	62	NW	370	44	8	1269	
21	37	27	32	25	7	33	0	0.01	0.2	17	27.1	45	W	344	41	8	1269	
22	38	27	33	25	8	32	0	0.08	1.6	17	18.3	46	W	460	55	8	126	
23	28	22	25	26	-1	40	0	0.01	0.2	18	26.0	55	NW	37	4	10	1269	
24	34	21	28	26	2	37	0	0.00	0.0	17	31.9	56	NW	813	96	4	9	
25	38	24	31	27	4	34	0	0.00	0.0	17	17.9	51	W	615	72	6	126	
26	39	26	33	27	6	32	0	0.11	0.9	16	5.9	27	SE	220	26	9	126	
27	27	19	23	27	-4	42	0	1.16	9.4	17	17.6	32	SE	0	0	10	1269	
28	21	16	19	28	-9	46	0	1.55	12.1	30	40.8	80	W	0	0	10	1269	
29	21	13	17	28	-11	48	0	T	T	31	67.0	95	W	142	17	9	1269	
30	34	18	26	29	-3	39	0	0.00	0.0	20	61.8	86	NW	843	98	6	19	
SUM	1019	674	---	---	---	1096	0	6.78	45.1	---	1000.3	---	---	10476	---	242	---	
AVG	34.0	22.5	---	---	---	---	---	---	---	---	33.3	FASTEST	DIR	POSS	%		---	
											MISC. ->	96	W	24607	43%	8.1	---	

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16		
AVERAGE MONTHLY	28.3	TOTAL FOR THE MONTH	6.78	NUMBER OF DAYS:	1 = FOG
DEPARTURE FROM NORMAL	5.4	DEPARTURE FROM NORMAL	-1.65	CLEAR (SCALE 0-3)	0
HIGHEST	56 on 3rd	24 HOUR MAX	2.54 on 27/28th	PARTLY CLOUDY (SCALE 4-7)	9
LOWEST	11 on 10th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	45.1	WITH .01" OR MORE PRECIP	15
MAX. 32 OR BELOW	15	24 HOUR MAX	19.8 on 27/28th	WITH .10" OR MORE PRECIP	11
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	34 on 28th	WITH .50" OR MORE PRECIP	4
MIN. 32 OR BELOW	26	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	3
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.619 on 13th		
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.234 on 28th		
TOTAL THIS MONTH	1096	AVG STATION	23.622		
DEPARTURE FROM NORMAL	-167				
SEASON TOTAL	11526				
DEPARTURE FROM NORMAL	-719				
COOLING DEGREE DAYS (BASE 65°F)					
TOTAL THIS MONTH	0				
DEPARTURE FROM NORMAL	0				
SEASON TOTAL	0				
DEPARTURE FROM NORMAL	0				
NOTES: 2ND: NEW DAILY RECORD HIGH OF 54°F; PREVIOUS RECORD OF 44°F SET IN 1933.					
3RD: NEW DAILY RECORD HIGH OF 56°F; PREVIOUS RECORD OF 42°F SET IN 1981.					
5TH: DAILY AVERAGE WIND SPEED CONTAINS 5 HRS OF ESTIMATED SPEEDS DUE TO METEK SONIC FAILURE.					
6TH: DAILY RECORD HIGH OF 42°F EQUALED; RECORD FIRST SET IN 1947 AND EQUALED IN 1997.					
6TH: DAILY AVERAGE WIND SPEED CONTAINS 17 HRS OF ESTIMATED SPEEDS DUE TO LACK OF ACCURATE HIGH-SPEED ANEMOMETER					
7TH: DAILY AVERAGE WIND SPEED CONTAINS 8 HRS OF ESTIMATED SPEEDS DUE TO LACK OF ACCURATE HIGH-SPEED ANEMOMETER					
7TH: NEW DAILY RECORD HIGH OF 50°F; PREVIOUS RECORD OF 48°F SET IN 1991.					
18TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HRS OF ESTIMATED SPEEDS DUE TO PITOT VANED INCORRECTLY.					
28TH: PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO COMPLETE BURIAL OF PRECIPITATION CAN IN A SNOW DRIFT.					
29TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO DISCONNECTION OF PITOT LINES.					
29TH: PRECIP & SNOWFALL TOTALS WHOLLY ESTIMATED DUE TO UNREALISTIC AMOUNTS IN CAN FROM BLOWING SNOW.					
FASTEST MONTHLY WIND SPEED: LAST OF SEVERAL OCCURENCES.					
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
0600	1200	1800	0000	MONTH	
83	80	81	84	82	
NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.					
THERE WERE 247 HOURS OF PREVAILING WINDS FROM THE NW, 34% OF THE TOTAL HOURS OF THE MONTH.					