

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JULY				2010			
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-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS	COVER	WEATHER		
						HEAT	COOL											
1	37	32	35	48	-13	30	0	0.93	0.2	0	41.8	69	N	0	0	10	124	
2	47	34	41	48	-7	24	0	0.00	0.0	0	32.7	71	W	582	62	8	12	
3	58	41	50	48	2	15	0	0.00	0.0	0	41.4	71	W	750	80	8	1	
4	57	47	52	48	4	13	0	0.00	0.0	0	40.2	59	NW	270	29	9	12	
5	64	51	58	48	10	7	0	0.00	0.0	0	29.2	53	W	555	59	6	12	
6	62	58	60	48	12	5	0	0.00	0.0	0	38.8	69	W	10	1	8	12	
7	68	57	63	48	15	2	0	0.00	0.0	0	14.2	27	W	347	37	8	128	
8	69	58	64	48	16	1	0	0.00	0.0	0	7.5	25	S	332	36	8	128	
9	64	55	60	48	12	5	0	0.00	0.0	0	16.5	42	SW	395	42	8	12	
10	57	50	54	49	5	11	0	1.34	0.0	0	17.0	46	W	46	5	10	12	
11	61	49	55	49	6	10	0	T	0.0	0	12.9	27	NE	655	70	8	1	
12	64	51	58	49	9	7	0	0.00	0.0	0	15.8	34	SW	805	87	8	12	
13	60	51	56	49	7	9	0	0.58	0.0	0	21.5	44	SW	330	36	9	123	
14	59	52	56	49	7	9	0	0.06	0.0	0	10.3	22	NE	20	2	10	123	
15	64	51	58	49	9	7	0	0.01	0.0	0	7.2	27	SW	261	28	8	12	
16	60	53	57	49	8	8	0	0.17	0.0	0	35.7	66	W	67	7	10	12	
17	59	48	54	49	5	11	0	0.10	T	0	42.9	83	W	185	20	9	1235*	
18	53	47	50	49	1	15	0	0.00	0.0	0	39.0	70	W	0	0	10	123	
19	56	46	51	49	2	14	0	0.34	0.0	0	30.5	62	SW	35	4	10	123	
20	55	46	51	49	2	14	0	0.48	0.0	0	20.4	37	NW	225	25	10	123	
21	59	46	53	49	4	12	0	1.17	T	0	20.4	54	NW	195	21	9	1235*	
22	50	44	47	49	-2	18	0	0.74	0.0	0	43.3	67	NW	0	0	10	123	
23	60	42	51	49	2	14	0	0.05	0.0	0	21.4	50	NW	489	54	8	12	
24	58	53	56	49	7	9	0	0.17	0.0	0	29.9	51	W	0	0	10	12	
25	58	42	50	49	1	15	0	0.31	0.0	0	50.5	76	NW	0	0	10	12	
26	45	38	42	49	-7	23	0	0.00	0.0	0	59.1	81	NW	0	0	10	12	
27	55	41	48	49	-1	17	0	0.00	0.0	0	38.0	67	NW	572	63	6	12	
28	59	50	55	49	6	10	0	0.21	0.0	0	35.5	69	W	510	57	8	1238	
29	55	37	46	49	-3	19	0	0.25	0.0	0	48.2	67	W	90	10	10	123	
30	43	33	38	49	-11	27	0	0.00	0.0	0	35.5	55	W	140	16	9	12	
31	49	35	42	49	-7	23	0	0.00	0.0	0	8.6	22	NE	90	10	9	12	
SUM	1765	1438	----	----	----	404	0	6.91	0.2	----	905.9	----	----	7956	----	274	----	
AVG	56.9	46.4	----	----	----	----	----	----	----	----	29.2	FASTEST	DIR	POSS	28%	8.8	----	
											MISC. ->	83	W	28530			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	51.7	TOTAL FOR THE MONTH	6.91	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3	DEPARTURE FROM NORMAL	-1.11			2 = FOG REDUCING VISIBILITY	
HIGHEST	69 on 8th	24 HOUR MAX	1.91 on 21st/22nd	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	32 on 1st			PARTLY CLOUDY (SCALE 4-7)	2		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	29		
NUMBER OF DAYS WITH:						4 = ICE PELLETS	
		TOTAL FOR THE MONTH	0.2	WITH .01" OR MORE PRECIP	16	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.2 on 1st	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	Trace on 1st	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	1			WITH 1.0" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.366 on 2nd				
		LOWEST SEA-LEVEL	29.864 on 18th				
TOTAL THIS MONTH	404	AVG STATION	23.902				
DEPARTURE FROM NORMAL	-101						
SEASON TOTAL	404						
DEPARTURE FROM NORMAL	-101						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:	**5" FELL AS SMALL HAIL
	1ST: SNOW AND ICE PELLET TOTAL ESTIMATED DUE TO MELTING
	8TH: NEW DAILY RECORD HIGH OF 69°F; PREVIOUS RECORD OF 68°F SET IN 1988.
	17TH: ALL FELL AS SMALL HAIL.
	21ST: FELL AS SMALL HAIL AND WAS ESTIMATED DUE TO MELTING BEFORE COLLECTION.
	28TH: PRECIP CAN NOT COLLECTED DUE TO LIGHTNING IN VC; PRECIP TOTAL ESTIMATED FROM FOLLOWING DAY'S COLLECTION.
	29TH: PRECIP TOTAL ESTIMATED FROM OVERLAPPING 12 HOUR TOTAL.
	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.