

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2011			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 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 SPEED	DIR	TOTAL	% POSS			
1	62	48	55	49	6	10	0	1.24	0.6	0	24.5	59	W	445	50	8	1235*	
2	49	41	45	49	-4	20	0	0.56	T	0	29.9	62	N	185	21	9	1235*	
3	54	42	48	49	-1	17	0	0.00	0.0	0	10.5	33	N	295	33	8	12	
4	55	45	50	49	1	15	0	0.00	0.0	0	7.9	19	NW	191	22	9	12	
5	59	47	53	49	4	12	0	0.00	0.0	0	14.7	33	W	325	37	9	12	
6	64	51	58	49	9	7	0	0.00	0.0	0	14.2	40	W	215	24	10	12	
7	57	51	54	49	5	11	0	0.26	0.0	0	14.7	31	S	30	3	10	12	
8	54	46	50	49	1	15	0	0.05	0.0	0	21.0	42	NW	0	0	10	12	
9	57	44	51	49	2	14	0	0.05	0.0	0	16.0	60	SE	450	52	9	12	
10	52	45	49	49	0	16	0	0.22	0.0	0	23.3	54	SE	15	2	10	123	
11	48	42	45	49	-4	20	0	0.00	0.0	0	32.8	61	W	140	16	10	12	
12	47	42	45	48	-3	20	0	0.00	0.0	0	38.2	59	W	10	1	10	12	
13	58	45	52	48	4	13	0	0.00	0.0	0	18.3	41	NW	235	27	9	12	
14	52	43	48	48	0	17	0	0.06	0.0	0	16.2	35	S	105	12	10	12	
15	48	41	45	48	-3	20	0	0.88	0.0	0	23.0	47	SE	0	0	10	12	
16	48	43	46	48	-2	19	0	0.57	0.0	0	29.8	64	N	95	11	10	12	
17	57	42	50	48	2	15	0	0.00	0.0	0	24.3	51	NW	841	99	1	12	
18	57	46	52	47	5	13	0	0.00	0.0	0	29.0	51	W	475	56	9	12	
19	59	49	54	47	7	11	0	0.05	0.0	0	20.5	40	W	420	50	8	123	
20	59	49	54	47	7	11	0	0.00	0.0	0	13.2	34	W	757	90	5	12	
21	60	45	53	47	6	12	0	1.25	T	0	21.6	69	SW	187	22	10	1235*	
22	48	37	43	47	-4	22	0	0.38	0.0	0	54.9	88	W	0	0	10	12	
23	43	34	39	47	-8	26	0	0.03	0.0	0	40.0	63	W	160	19	9	12	
24	54	42	48	46	2	17	0	0.00	0.0	0	26.8	64	SW	478	58	9	12	
25	55	47	51	46	5	14	0	0.45	0.0	0	43.8	74	W	0	0	10	12	
26	57	44	51	46	5	14	0	0.00	0.0	0	26.4	66	W	618	75	4	12	
27	56	48	52	46	6	13	0	0.00	0.0	0	23.7	49	W	31	4	10	12	
28	57	40	49	46	3	16	0	6.66	0.0	0	44.8	104	SE	0	0	10	12	
29	43	37	40	45	-5	25	0	0.12	0.0	0	47.7	120	W	212	26	9	12	
30	47	38	43	45	-2	22	0	0.00	0.0	0	31.5	50	W	370	46	8	12	
31	51	43	47	45	2	18	0	0.00	0.0	0	26.9	53	NW	290	36	10	12	
SUM	1667	1357	----	----	----	495	0	12.83	0.6	----	810.1	----	----	7575	----	273	----	
AVG	53.8	43.8	----	----	----	----	----	----	----	----	26.1	FASTEST	DIR	POSS	%	SKY	----	
											MISC.-->	120	W	26399	29%	8.8	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	48.8	TOTAL FOR THE MONTH	12.83	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.2	DEPARTURE FROM NORMAL	4.75	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	64 on 6th	24 HOUR MAX	6.66 on 28th	PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
LOWEST	34 on 23rd	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	28	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.6	WITH .01" OR MORE PRECIP	16	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.6 on 1st	WITH .10" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	TRACE on 1st	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.418 on 31st			X = TORNADO	
TOTAL THIS MONTH	495	LOWEST SEA-LEVEL	29.158 on 28th				
DEPARTURE FROM NORMAL	-46	AVG STATION	23.831				
SEASON TOTAL	926						
DEPARTURE FROM NORMAL	-120						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
* "5": SOME OR ALL FELL AS SMALL HAIL				
1ST, 2ND, 21ST: SNOWFALL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION; ALL FELL AS HAIL/SMALL HAIL.				
3RD: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO DATA LOGGING ISSUES.				
28TH: DAILY PRECIP TOTAL PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN FROM HORIZONTAL RAIN.				
28TH: NEW AUGUST MONTHLY RECORD FOR PRECIPITATION IN 24 HOURS OF 6.66"; PREVIOUS RECORD OF 6.63" SET IN 1991.				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
95	88	93	98	94

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 334 HOURS OF PREVAILING WINDS FROM THE W, 45% OF THE TOTAL HOURS OF THE MONTH.