

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2005			
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	55	48	52	49	3	13	0	0.08	0.0	0	21.5	35	W	0	0	10	12	
2	55	48	52	49	3	13	0	0.86	0.0	0	29.0	68	N	15	2	10	1235	
3	56	45	51	49	2	14	0	0.00	0.0	0	25.4	44	NW	314	35	9	12	
4	60	46	53	49	4	12	0	0.00	0.0	0	18.3	33	W	246	28	8	12	
5	60	45	53	49	4	12	0	1.43	0.0	0	37.2	58	NW	155	18	9	123	
6	56	42	49	49	0	16	0	0.00	0.0	0	15.0	50	N	879	100	3	12	
7	61	47	54	49	5	11	0	0.00	0.0	0	21.4	36	W	812	93	4	12	
8	68	49	59	49	10	6	0	0.00	0.0	0	9.0	32	NW	629	72	5	12	
9	66	52	59	49	10	6	0	0.00	0.0	0	16.1	33	W	515	59	6	128	
10	65	52	59	49	10	6	0	0.00	0.0	0	18.6	29	W	90	10	9	128	
11	57	48	53	49	4	12	0	0.01	0.0	0	22.6	41	W	205	24	9	12	
12	58	49	54	48	6	11	0	0.06	0.0	0	17.9	48	W	15	2	10	12	
13	59	52	56	48	8	9	0	0.00	0.0	0	32.8	65	W	275	32	9	12	
14	57	50	54	48	6	11	0	1.10	0.0	0	8.6	27	W	0	0	10	12	
15	53	47	50	48	2	15	0	0.03	0.0	0	5.6	12	NW	40	5	10	12	
16	56	45	51	48	3	14	0	0.33	0.0	0	19.2	43	NW	485	57	7	12	
17	47	35	41	48	-7	24	0	0.00	0.0	0	39.8	66	NW	80	9	9	12	
18	49	33	41	47	-6	24	0	0.00	0.0	0	25.6	42	NW	385	45	9	12	
19	54	42	48	47	1	17	0	0.00	0.0	0	20.9	36	S	528	63	7	12	
20	55	45	50	47	3	15	0	0.23	0.0	0	32.9	52	SW	0	0	10	12	
21	56	46	51	47	4	14	0	1.24	0.0	0	37.4	58	W	10	1	10	12	
22	48	39	44	47	-3	21	0	0.07	0.0	0	33.2	58	NW	95	11	9	12	
23	45	38	42	47	-5	23	0	0.03	0.0	0	26.0	54	NW	25	3	9	12	
24	45	38	42	46	-4	23	0	0.20	0.0	0	17.8	38	N	5	1	10	12	
25	50	39	45	46	-1	20	0	0.00	0.0	0	31.3	60	N	275	33	9	12	
26	58	44	51	46	5	14	0	0.00	0.0	0	8.7	26	NW	823	100	4		
27	58	45	52	46	6	13	0	0.00	0.0	0	18.4	41	S	690	84	4	12	
28	53	45	49	46	3	16	0	0.73	0.0	0	33.6	53	SW	0	0	10	12	
29	56	51	54	45	9	12	0	0.73	0.0	0	20.8	36	W	0	0	10	123	
30	55	50	53	45	8	12	0	0.23	0.0	0	18.2	35	W	0	0	10	12	
31	60	49	55	45	10	10	0	3.75	0.0	0	37.8	82	S	0	0	10	123	
SUM	1731	1404	----	----	----	439	0	11.11	0.0	----	720.6	----	----	7591	----	258	----	
AVG	55.8	45.3	----	----	----	----	----	----	----	----	23.2	FASTEST	DIR	POSS	%	SKY	----	
												MISC-->	82	S	26399	29%	8.3	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	50.6	TOTAL FOR THE MONTH	11.11	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.0	DEPARTURE FROM NORMAL	3.03	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	68 on 8th	24 HOUR MAX	3.75 on 31st	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	33 on 18th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	17	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.0	WITH .10" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	4	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.352 on 8th			X = TORNADO	
TOTAL THIS MONTH	439	LOWEST SEA-LEVEL	29.624 on 31st				
DEPARTURE FROM NORMAL	-102	AVG STATION	23.949				
SEASON TOTAL	828						
DEPARTURE FROM NORMAL	-218						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
87	85	89	91	88

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE ARE 251 HOURS OF PREVAILING WINDS FROM THE WEST, 34% OF THE TOTAL HOURS OF THE MONTH.