

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2008			
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	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED DIR		TOTAL	% POSS			
1	57	47	52	49	3	13	0	0.39	0.0	0	14.0	35	W	85	10	9	12	
2	58	45	52	49	3	13	0	2.86	0.0	0	12.1	40	SE	185	21	9	123	
3	53	46	50	49	1	15	0	0.66	0.0	0	9.1	26	NW	10	1	10	12	
4	49	45	47	49	-2	18	0	0.95	0.0	0	23.6	48	N	0	0	10	12	
5	51	46	49	49	0	16	0	0.32	0.0	0	8.2	19	NW	10	1	10	12	
6	48	42	45	49	-4	20	0	1.62	0.0	0	20.5	46	SE	0	0	10	12	
7	49	42	46	49	-3	19	0	0.14	0.0	0	21.0	47	W	0	0	10	12	
8	48	41	45	49	-4	20	0	0.55	0.0	0	7.6	21	W	5	1	10	123	
9	48	40	44	49	-5	21	0	0.08	0.0	0	18.9	34	NW	22	3	10	12	
10	52	40	46	49	-3	19	0	0.41	T	0	9.8	35	SE	334	38	9	1235*	
11	45	41	43	49	-6	22	0	0.90	0.0	0	12.7	37	E	5	1	10	12	
12	47	40	44	48	-4	21	0	0.19	0.0	0	23.3	53	N	30	3	10	12	
13	50	41	46	48	-2	19	0	0.00	0.0	0	19.7	37	W	325	38	8	12	
14	54	42	48	48	0	17	0	0.00	0.0	0	13.3	36	NW	165	19	9	12	
15	56	41	49	48	1	16	0	0.01	0.0	0	8.5	21	W	394	46	8	1	
16	50	41	46	48	-2	19	0	0.99	0.2	0	17.6	49	W	165	19	9	1235*	
17	49	43	46	48	-2	19	0	0.00	0.0	0	38.4	59	W	0	0	10	12	
18	55	45	50	47	3	15	0	0.31	0.0	0	33.3	60	W	240	28	9	123	
19	48	31	40	47	-7	25	0	0.87	0.0	0	42.9	85	N	0	0	10	126	
20	40	30	35	47	-12	30	0	0.00	0.0	0	49.3	84	NW	0	0	10	126	
21	59	38	49	47	2	16	0	0.00	0.0	0	18.7	46	NW	769	92	3	12	
22	68	54	61	47	14	4	0	0.00	0.0	0	6.8	15	W	835	100	3		
23	67	52	60	47	13	5	0	0.00	0.0	0	11.7	31	S	823	99	5		
24	61	48	55	46	9	10	0	0.00	0.0	0	16.5	30	SW	713	86	5	12	
25	54	34	44	46	-2	21	0	0.09	0.0	0	40.0	69	W	0	0	10	12	
26	45	30	38	46	-8	27	0	0.00	0.0	0	39.3	76	NW	348	42	8	126	
27	57	39	48	46	2	17	0	0.00	0.0	0	19.8	37	NE	800	97	4		
28	57	44	51	46	5	14	0	0.00	0.0	0	13.8	31	NE	733	90	9	12	
29	55	43	49	45	4	16	0	0.00	0.0	0	9.3	26	W	265	33	9	12	
30	52	45	49	45	4	16	0	0.01	0.0	0	28.5	66	W	0	0	10	12	
31	47	38	43	45	-2	22	0	0.00	0.0	0	47.0	82	NW	75	9	9	12	
SUM	1629	1294	----	----	----	545	0	11.35	0.2	----	655.2	----	----	7336	----	265	----	
AVG	52.5	41.7	----	----	----	----	----	----	----	----	21.1	FASTEST	DIR	POSS	%	SKY	----	
												85	N	26399	28%	8.5	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	47.1	TOTAL FOR THE MONTH	11.35	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.5	DEPARTURE FROM NORMAL	3.27	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	68 on 22nd	24 HOUR MAX	3.15 on 2/3rd	PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
LOWEST	30 on 20, 26th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.2	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.2 on 16th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on 16th	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	3			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.538 on 22nd			X = TORNADO	
TOTAL THIS MONTH	545	LOWEST SEA-LEVEL	29.797 on 8th				
DEPARTURE FROM NORMAL	4	AVG STATION	23.859				
SEASON TOTAL	973						
DEPARTURE FROM NORMAL	-73						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 10th, 16th: FELL AS SMALL HAIL ESTIMATED DUE TO MELTING
* 5" FELL AS SMALL HAIL
23rd: NEW DAILY RECORD HIGH OF 67°F, OLD RECORD OF 63°F SET IN 1933.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
84	86	87	88	86

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 249 HOURS OF PREVAILING WINDS FROM THE W, 33% OF THE TOTAL HOURS OF THE MONTH.