

WS FORM F-6												STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA												MONTH SEPTEMBER			YEAR 2009			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6280 FT		STANDARD TIME EASTERN				
TEMPERATURE (°F)						DEGREE DAYS			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	46	31	39	45	-6	26	0	0.00	0.0	0	12.8	39	NW	801	99	1	12	
2	55	41	48	44	4	17	0	0.00	0.0	0	14.5	27	NW	803	100	1	12	
3	56	46	51	44	7	14	0	0.00	0.0	0	12.0	27	W	779	97	4	12	
4	57	44	51	44	7	14	0	0.00	0.0	0	16.0	27	NW	707	89	4	12	
5	47	33	40	43	-3	25	0	0.00	0.0	0	33.3	58	W	570	72	5	12	
6	48	36	42	43	-1	23	0	0.00	0.0	0	10.4	29	N	792	100	1		
7	49	38	44	43	1	21	0	0.00	0.0	0	14.5	31	W	405	51	9	12	
8	52	41	47	43	4	18	0	0.00	0.0	0	13.6	37	NW	345	44	8	12	
9	52	36	44	42	2	21	0	0.00	0.0	0	10.5	27	E	693	89	6		
10	50	40	45	42	3	20	0	0.00	0.0	0	7.8	17	SE	708	91	5	1	
11	53	45	49	42	7	16	0	T	0.0	0	12.0	23	SE	490	63	10		
12	57	45	51	42	9	14	0	0.01	0.0	0	5.9	16	W	25	3	10	12	
13	48	35	42	41	1	23	0	0.04	0.0	0	36.7	71	NW	230	30	9	12	
14	42	32	37	41	-4	28	0	0.07	0.0	0	44.5	72	NW	330	43	9	12	
15	42	33	38	41	-3	27	0	0.13	0.0	0	31.3	70	W	5	1	10	12	
16	38	33	36	40	-4	29	0	0.00	0.0	0	7.9	19	NW	10	1	10	12	
17	43	32	38	40	-2	27	0	0.00	0.0	0	18.4	54	W	290	38	8	12	
18	38	25	32	40	-8	33	0	0.20	0.0	0	58.6	91	W	0	0	10	126	
19	41	23	32	39	-7	33	0	0.00	0.0	T	51.3	91	NW	465	62	6	126	
20	57	36	47	39	8	18	0	0.00	0.0	T	24.5	43	NW	750	100	3		
21	62	51	57	39	18	8	0	0.00	0.0	0	12.5	35	W	746	100	1		
22	55	49	52	39	13	13	0	0.00	0.0	0	26.8	40	W	122	16	10	12	
23	54	47	51	38	13	14	0	0.47	0.0	0	37.3	74	W	0	0	10	12	
24	48	31	40	38	2	25	0	0.04	0.0	0	45.6	69	W	265	36	8	12	
25	33	26	30	37	-7	35	0	0.00	0.0	T	28.7	67	NW	239	33	9	126	
26	42	30	36	37	-1	29	0	0.00	0.0	T	16.7	40	SW	705	96	3	1	
27	47	31	39	37	2	26	0	1.38	0.0	0	34.8	56	SE	0	0	10	12	
28	48	36	42	36	6	23	0	0.72	0.0	0	30.0	55	W	205	28	9	12	
29	38	33	36	36	0	29	0	0.26	0.0	0	28.5	60	W	135	19	8	12	
30	34	21	28	36	-8	37	0	0.25	T	0	21.1	52	W	0	0	10	126	
SUM	1432	1080	----	----	----	686	0	3.57	T	----	718.5	----	----	11615	----	207	----	
AVG	47.7	36.0	----	----	----	----	----	----	----	----	24.0	FASTEST	DIR	POSS	%		----	
											MISC. ->	91	NW	22883	51%	6.9	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.9	TOTAL FOR THE MONTH	3.57	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.5	DEPARTURE FROM NORMAL	-4.98			2 = FOG REDUCING VISIBILITY	
HIGHEST	62 on 21st	24 HOUR MAX	1.60 on 27th/28th	CLEAR (SCALE 0-3)	6	TO 1/4 MILE OR LESS	
LOWEST	21 on 30th			PARTLY CLOUDY (SCALE 4-7)	6		
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	18	4 = ICE PELLETS	
						5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	TRACE	WITH .01" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	TRACE on 30th	WITH .10" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	10	MAX DEPTH ON GROUND	TRACE on 30th	WITH .50" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.585 on 10th				
		LOWEST SEA-LEVEL	29.506 on 28th				
TOTAL THIS MONTH	686	AVG STATION	23.922				
DEPARTURE FROM NORMAL	-53						
SEASON TOTAL	1743						
DEPARTURE FROM NORMAL	-42						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 15TH: PRECIPITATION TOTAL ESTIMATED DUE TO UNREALISTIC AMOUNT CAUSED BY "WET FOG".				
23RD: PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT CAUSED BY "WET FOG".				
FASTEST MONTHLY WIND SPEED: LAST OF SEVERAL OCCURENCES				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR		NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.		
0600	1200	1800	0000	MONTH
74	81	78	75	77

THERE WERE 282 HOURS OF PREVAILING WINDS FROM THE W, 39% OF THE TOTAL HOURS OF THE MONTH.				
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