

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				YEAR 2010				
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 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	62	54	58	45	13	7	0	0.00	0.0	0	31.7	57	W	320	40	8	128		
2	62	53	58	44	14	7	0	0.00	0.0	0	34.9	54	W	405	50	9	12		
3	65	52	59	44	15	6	0	2.08	0.0	0	22.1	45	W	565	71	9	12		
4	56	34	45	44	1	20	0	0.63	0.0	0	41.8	76	W	35	4	10	12		
5	37	32	35	43	-8	30	0	0.21	0.0	0	51.0	70	W	0	0	10	12		
6	45	33	39	43	-4	26	0	0.09	0.0	0	37.9	61	W	340	43	9	12		
7	56	40	48	43	5	17	0	0.04	0.0	0	36.5	60	W	320	41	9	12		
8	52	38	45	43	2	20	0	0.11	0.0	0	38.6	64	SW	0	0	10	123		
9	41	34	38	42	-4	27	0	1.42	0.0	0	37.2	56	NW	0	0	10	12		
10	39	33	36	42	-6	29	0	0.05	0.0	0	34.5	63	NW	0	0	10	12		
11	46	34	40	42	-2	25	0	0.00	0.0	0	20.2	59	N	745	96	3	12		
12	38	34	36	42	-6	29	0	0.02	0.0	0	12.9	29	W	20	3	10	12		
13	41	35	38	41	-3	27	0	0.13	0.0	0	24.2	43	W	0	0	10	12		
14	38	30	34	41	-7	31	0	0.42	T	0	38.8	65	W	0	0	10	1246		
15	31	28	30	41	-11	35	0	0.21	0.4	T	47.7	68	NW	0	0	10	1246		
16	45	29	37	40	-3	28	0	0.50	0.0	T	29.7	59	SW	380	50	9	126		
17	46	35	41	40	1	24	0	0.16	0.0	0	21.1	50	W	343	45	6	12		
18	49	38	44	40	4	21	0	0.00	0.0	0	17.2	50	W	739	98	1	1		
19	44	35	40	39	1	25	0	0.00	0.0	0	29.2	46	W	0	0	10	12		
20	36	26	31	39	-8	34	0	0.00	0.0	0	40.0	74	NW	360	48	8	126		
21	49	25	37	39	-2	28	0	0.00	0.0	T	42.6	77	W	405	54	9	126		
22	49	37	43	39	4	22	0	0.07	0.0	0	54.0	76	W	15	2	10	12		
23	48	33	41	38	3	24	0	T	0.0	0	33.6	59	NW	390	53	9	12		
24	58	45	52	38	14	13	0	0.47	0.0	0	49.3	82	W	30	4	10	12		
25	55	36	46	37	9	19	0	0.00	0.0	0	45.0	77	W	90	12	10	128		
26	41	36	39	37	2	26	0	0.01	0.0	0	12.9	30	SW	0	0	10	12		
27	51	39	45	37	8	20	0	0.25	0.0	0	27.9	61	S	0	0	10	12		
28	55	47	51	36	15	14	0	0.53	0.0	0	43.2	75	W	0	0	10	12		
29	50	42	46	36	10	19	0	0.01	0.0	0	42.3	73	W	300	42	9	12		
30	57	45	51	36	15	14	0	1.69	0.0	0	43.4	80	S	0	0	10	12		
SUM	1442	1112	----	----	----	667	0	9.10	0.4	----	1041.4	----	----	5802	----	268	----		
AVG	48.1	37.1	----	----	----	----	----	----	----	----	34.7	FASTEST	DIR	POSS	%	8.9	----		
											MISC. ->	82	W	22883	25%		----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	42.6	TOTAL FOR THE MONTH	9.10	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.2	DEPARTURE FROM NORMAL	0.55	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	65 on 3rd	24 HOUR MAX	2.71 on 3rd/4th	PARTLY CLOUDY (SCALE 4-7)	1	3 = THUNDER	
LOWEST	25 on 21st	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	27	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.4	WITH .01" OR MORE PRECIP	21	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	0.4 on 15th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	TRACE on 15th, 16th	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	6			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.284 on 1st				
		LOWEST SEA-LEVEL	29.520 on 4th				
TOTAL THIS MONTH	667	AVG STATION	23.821				
DEPARTURE FROM NORMAL	-72						
SEASON TOTAL	1580						
DEPARTURE FROM NORMAL	-205						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					MONTH
0600	1200	1800	0000		
93	91	89	91	91	

NOTES:
14TH: SNOWFALL TOTAL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION.
22ND: PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTIC AMOUNT IN CAN FROM WET FOG.

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE **355** HOURS OF PREVAILING WINDS FROM THE **WEST**, **48%** OF THE TOTAL HOURS OF THE MONTH.