

WS FORM F-6										STATION									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MOUNT WASHINGTON OBSERVATORY									
										MONTH					YEAR				
										SEPTEMBER					2013				
LATITUDE					LONGITUDE					GROUND ELEVATION (H)					STANDARD TIME				
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST					6280 FT					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-7AM	AVG SPEED	FASTEST SPEED	MILE DIR	TOTAL	% POSS				
1	59	50	55	46	9	10	0	0.63	0.0	0	13.9	41	NW	115	14	9	12		
2	56	50	53	46	7	12	0	0.74	0.0	0	17.3	52	W	30	4	10	123		
3	53	42	48	46	2	17	0	0.06	0.0	0	29.0	55	W	146	18	9	12		
4	47	38	43	46	-3	22	0	0.93	0.0	0	46.0	73	W	230	29	9	12		
5	40	26	33	45	-12	32	0	0.10	0.0	0	40.2	61	NW	390	49	8	126		
6	45	25	35	45	-10	30	0	0.00	0.0	0	29.4	51	NW	792	100	3	12		
7	50	38	44	45	-1	21	0	0.17	0.0	0	44.1	72	W	265	34	9	12		
8	43	26	35	44	-9	30	0	0.87	0.2	0	46.5	85	N	0	0	10	1245*6		
9	45	26	36	44	-8	29	0	0.00	0.0	0	36.6	52	W	709	91	8	126		
10	60	41	51	44	7	14	0	0.31	0.0	0	36.7	55	W	0	0	10	12		
11	63	51	57	44	13	8	0	1.14	T	0	45.5	84	W	280	36	8	1235		
12	57	44	51	43	8	14	0	2.19	0.0	0	32.7	68	W	0	0	10	123		
13	48	37	43	43	0	22	0	0.34	0.0	0	19.2	46	W	0	0	10	12		
14	41	29	35	42	-7	30	0	0.08	0.0	0	17.4	40	NW	100	13	9	126		
15	45	29	37	42	-5	28	0	0.00	0.0	0	29.8	47	NW	685	90	5	126		
16	38	19	29	42	-13	36	0	0.27	0.0	0	39.8	61	W	25	3	9	126		
17	44	20	32	41	-9	33	0	0.00	0.0	0	26.2	60	N	750	99	1	126		
18	52	37	45	41	4	20	0	0.00	0.0	0	25.7	37	NW	756	100	1			
19	53	43	48	41	7	17	0	0.00	0.0	0	19.7	29	NW	753	100	1			
20	57	45	51	40	11	14	0	0.00	0.0	0	15.7	53	S	750	100	4			
21	49	43	46	40	6	19	0	0.27	0.0	0	40.4	69	S	550	74	8	12		
22	49	26	38	39	-1	27	0	1.66	0.1	0	42.7	81	NW	0	0	10	1246		
23	26	22	24	39	-15	41	0	0.14	0.9	T	58.5	81	NW	40	5	10	126		
24	34	24	29	39	-10	36	0	0.01	T	1	59.8	84	NW	305	41	6	1246		
25	40	31	36	38	-2	29	0	0.00	0.0	T	35.2	61	N	234	32	6	12		
26	44	32	38	38	0	27	0	0.00	0.0	0	17.5	34	N	732	100	1			
27	44	35	40	37	3	25	0	0.00	0.0	0	16.1	33	E	583	80	5	12		
28	49	37	43	37	6	22	0	0.00	0.0	0	8.7	20	NE	725	100	1	12		
29	53	43	48	36	12	17	0	0.00	0.0	0	7.8	17	SW	680	94	3			
30	52	42	47	36	11	18	0	0.00	0.0	0	5.6	19	W	719	100	3			
SUM	1436	1051	----	----	----	700	0	9.91	1.2	----	903.7	----	----	11344	----	196	----		
AVG	47.9	35.0	----	----	----	----	----	----	----	----	30.1	FASTEST	DIR	POSS	%	6.5	----		
											MISC. ->	85	N	22883	50%		----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.5	TOTAL FOR THE MONTH	9.91	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.1	DEPARTURE FROM NORMAL	1.88			2 = FOG REDUCING VISIBILITY	
HIGHEST	63 on 11th	24 HOUR MAX	2.25 on 12th/13th	CLEAR (SCALE 0-3)	8	TO 1/4 MILE OR LESS	
LOWEST	19 on 16th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	17	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	1.2	WITH .01" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	1	24 HOUR MAX	1.0 on 22nd/23rd	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 23rd, 24th	WITH .50" OR MORE PRECIP	7	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	13			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.538 on 28th				
		LOWEST SEA-LEVEL	29.695 on 22nd				
TOTAL THIS MONTH	700	AVG STATION	23.861				
DEPARTURE FROM NORMAL	-2						
SEASON TOTAL	1622						
DEPARTURE FROM NORMAL	-97						
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				
0600	1200	1800	0000	MONTH
73	77	75	75	75

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 268 HOURS OF PREVAILING WINDS FROM THE NW, 37% OF THE TOTAL HOURS OF THE MONTH.