

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2013			
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 MILE SPEED	DIR	TOTAL	% POSS			
1	51	45	48	49	-1	17	0	0.58	0.0	0	20.8	46	S	85	10	9	12	
2	51	43	47	49	-2	18	0	0.29	0.0	0	26.6	67	W	120	14	9	123	
3	45	40	43	49	-6	22	0	0.23	0.0	0	41.0	72	W	65	7	10	12	
4	44	36	40	49	-9	25	0	0.68	T	0	41.8	74	NW	0	0	10	124	
5	41	31	36	49	-13	29	0	0.18	0.0	0	39.9	63	NW	311	35	8	12	
6	50	37	44	49	-5	21	0	0.00	0.0	0	9.6	32	NW	539	61	8	12	
7	51	41	46	49	-3	19	0	0.00	0.0	0	15.0	34	SW	523	60	8	12	
8	55	47	51	49	2	14	0	0.03	0.0	0	26.4	56	W	25	3	10	12	
9	56	50	53	49	4	12	0	4.15	0.0	0	24.0	70	W	65	7	10	123	
10	51	36	44	49	-5	21	0	0.16	0.0	0	56.8	86	W	416	48	8	12	
11	46	36	41	49	-8	24	0	0.00	0.0	0	34.4	59	NW	320	37	9	12	
12	50	39	45	49	-4	20	0	0.00	0.0	0	24.3	42	W	365	42	9	12	
13	48	44	46	49	-3	19	0	0.40	0.0	0	24.4	46	SW	10	1	10	12	
14	47	35	41	49	-8	24	0	0.05	0.0	0	39.3	84	NW	0	0	10	12	
15	42	34	38	48	-10	27	0	0.00	0.0	0	36.4	74	NW	25	3	10	12	
16	50	37	44	48	-4	21	0	0.08	0.0	0	11.4	33	NW	273	32	9	12	
17	49	39	44	48	-4	21	0	T	0.0	0	24.0	44	NW	635	75	4	12	
18	52	42	47	48	-1	18	0	0.00	0.0	0	21.0	36	W	225	27	10	12	
19	54	43	49	48	1	16	0	0.00	0.0	0	34.3	60	NW	170	20	10	12	
20	57	46	52	48	4	13	0	0.00	0.0	0	18.9	41	W	600	71	6	12	
21	62	49	56	48	8	9	0	0.00	0.0	0	20.4	49	W	552	66	5	12	
22	59	47	53	48	5	12	0	0.26	0.0	0	34.9	66	NW	320	38	9	12	
23	48	38	43	48	-5	22	0	0.00	0.0	0	29.9	70	NW	430	52	8	12	
24	52	41	47	48	-1	18	0	0.00	0.0	0	13.7	27	NW	830	100	3		
25	56	39	48	47	1	17	0	0.01	0.0	0	18.5	64	W	766	93	4	12	
26	53	41	47	47	0	18	0	0.67	0.0	0	38.7	63	W	0	0	10	12	
27	60	50	55	47	8	10	0	0.00	0.0	0	11.1	31	NW	515	63	6	12	
28	60	49	55	47	8	10	0	0.13	0.0	0	9.3	27	E	105	13	9	12	
29	51	46	49	47	2	16	0	0.14	0.0	0	12.1	32	NW	0	0	10	12	
30	54	46	50	47	3	15	0	0.17	0.0	0	31.9	59	W	0	0	10	12	
31	56	50	53	46	7	12	0	0.19	0.0	0	26.5	64	W	0	0	10	12	
SUM	1601	1297	----	----	----	560	0	8.40	T	----	817.3	----	----	8290	----	261	----	
AVG	51.6	41.8	----	----	----	----	----	----	----	----	26.4	FASTEST	DIR	POSS	%	SKY	----	
											MISC-->	86	W	26399	31%	8.4	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	46.7	TOTAL FOR THE MONTH	8.40	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.4	DEPARTURE FROM NORMAL	0.08	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
HIGHEST	62 on 21st	24 HOUR MAX	4.15 on 9th	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	31 on 5th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 4th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 4th	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	1			WITH 1.0" OR MORE PRECIP	1	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	30.513 on 24th				
		LOWEST SEA-LEVEL	29.773 on 14th				
TOTAL THIS MONTH	560	AVG STATION	23.920				
DEPARTURE FROM NORMAL	38						
SEASON TOTAL	922						
DEPARTURE FROM NORMAL	-95						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:				
4TH: DAILY SNOWFALL TOTAL ESTIMATED DUE TO MELTING PRIOR TO COLLECTION.				

  

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

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
THERE WERE 327 HOURS OF PREVAILING WINDS FROM THE W, 44% OF THE TOTAL HOURS OF THE MONTH.