

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2012				
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-GAM	AVG SPEED	FASTEST MILE		TOTAL	% POSS	SKY COVER (TENTHS)		WEATHER OCCUR.	
1	58	51	55	49	6	10	0	0.03	0.0	0	12.3	30	W	140	16	9	12		
2	62	51	57	49	8	8	0	T	0.0	0	17.0	37	W	265	30	9	12		
3	58	50	54	49	5	11	0	T	0.0	0	30.6	49	NW	40	5	10	12		
4	67	51	59	49	10	6	0	T	0.0	0	22.3	45	S	643	73	6	123		
5	60	53	57	49	8	8	0	1.25	0.0	0	35.5	78	W	170	19	9	12		
6	54	42	48	49	-1	17	0	0.00	0.0	0	42.6	79	NW	20	2	10	12		
7	61	46	54	49	5	11	0	0.00	0.0	0	13.6	37	W	868	99	3			
8	62	46	54	49	5	11	0	0.00	0.0	0	14.7	35	W	725	83	5	12		
9	60	51	56	49	7	9	0	1.09	0.0	0	19.2	33	W	270	31	9	123		
10	57	49	53	49	4	12	0	2.66	0.0	0	29.2	54	S	15	2	10	123		
11	61	51	56	49	7	9	0	0.08	0.0	0	18.6	45	S	400	46	8	12		
12	57	49	53	48	5	12	0	0.01	0.0	0	22.0	41	W	95	11	10	12		
13	55	47	51	48	3	14	0	0.00	0.0	0	16.4	29	W	291	34	8	12		
14	60	47	54	48	6	11	0	0.00	0.0	0	14.1	31	NW	435	51	9	12		
15	55	49	52	48	4	13	0	0.50	0.0	0	14.5	37	SW	0	0	10	12		
16	50	44	47	48	-1	18	0	0.35	0.0	0	29.9	64	N	0	0	10	123		
17	56	43	50	48	2	15	0	0.04	0.0	0	34.6	59	W	65	8	9	123		
18	53	40	47	47	0	18	0	0.00	0.0	0	14.4	38	NW	130	15	9	12		
19	55	41	48	47	1	17	0	0.00	0.0	0	8.3	22	SW	358	42	8	12		
20	56	41	49	47	2	16	0	T	0.0	0	8.8	24	W	593	70	5			
21	50	42	46	47	-1	19	0	0.05	0.0	0	20.0	35	W	60	7	10	12		
22	54	42	48	47	1	17	0	0.00	0.0	0	21.5	43	W	770	92	5			
23	53	44	49	47	2	16	0	T	0.0	0	35.9	57	W	300	36	9	12		
24	61	47	54	46	8	11	0	0.00	0.0	0	14.3	35	NW	792	95	6	12		
25	62	49	56	46	10	9	0	T	0.0	0	8.2	22	W	551	67	8	12		
26	61	51	56	46	10	9	0	0.00	0.0	0	8.5	21	SW	545	66	6	12		
27	61	50	56	46	10	9	0	0.66	0.0	0	26.4	60	W	480	58	6	12		
28	54	33	44	46	-2	21	0	0.70	0.0	0	45.8	80	NW	0	0	10	12		
29	45	31	38	45	-7	27	0	0.00	0.0	0	46.0	70	N	460	56	8	126		
30	52	39	46	45	1	19	0	0.00	0.0	0	47.4	74	NW	800	99	5			
31	53	47	50	45	5	15	0	0.43	0.0	0	54.0	85	NW	10	1	10	123		
SUM	1763	1417	----	----	----	418	0	7.85	0.0	----	746.6	----	----	10291	----	249	----		
AVG	56.9	45.7	----	----	----	----	----	----	----	----	24.1	FASTEST	DIR	POSS	%	SKY	----		
											MISC.-->	85	NW	26399	39%	8.0	----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	51.3	TOTAL FOR THE MONTH	7.85	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.7	DEPARTURE FROM NORMAL	-0.23	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	67 on 4th	24 HOUR MAX	2.66 on 10th	PARTLY CLOUDY (SCALE 4-7)	8	3 = THUNDER	
LOWEST	31 on 29th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	13	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.0 on N/A	WITH .10" OR MORE PRECIP	8	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	1			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.530 on 26th			X = TORNADO	
TOTAL THIS MONTH	418	LOWEST SEA-LEVEL	29.839 on 28th				
DEPARTURE FROM NORMAL	-104	AVG STATION	23.942				
SEASON TOTAL	864	NOTES: 4TH: DAILY RECORD HIGH OF 67°F EQUALED; RECORD PREVIOUSLY SET IN 1955.					
DEPARTURE FROM NORMAL	-153	9TH: DAILY PRECIPITATION TOTAL DETERMINED FROM CAN COLLECTION ON THE FOLLOWING DAY DUE TO CONTINUOUS LIGHTNING AT/NEAR THE STATION DURING TWO SYNOPTIC OBSERVATIONS, PREVENTING PRECIP CAN COLLECTION.					
COOLING DEGREE DAYS (BASE 65F)		27TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEEDS DUE TO AN INCORRECTLY VANED PITOT.					
TOTAL THIS MONTH	0	AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.	
DEPARTURE FROM NORMAL	0	0600	1200	1800	0000	MONTH	THERE ARE 336 HOURS OF PREVAILING WINDS FROM THE W.
SEASON TOTAL	0	85	86	93	91	89	45% OF THE TOTAL HOURS OF THE MONTH.
DEPARTURE FROM NORMAL	0						