

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY										
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MAY					YEAR 2012					
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	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS					
1	34	23	29	30	-1	36	0	0.26	0.8	2	28.9	45	S	0	0	10	12469			
2	40	32	36	30	6	29	0	0.05	0.0	1	18.5	34	W	350	40	9	12			
3	52	37	45	30	15	20	0	0.02	0.0	T	13.3	28	W	470	54	9	12			
4	46	40	43	31	12	22	0	0.99	0.0	T	28.8	49	NW	0	0	10	12			
5	42	32	37	31	6	28	0	0.26	0.0	0	15.6	44	NW	625	71	5	12			
6	40	28	34	32	2	31	0	0.00	0.0	0	15.0	33	W	503	57	8	12			
7	48	30	39	32	7	26	0	0.00	0.0	0	10.2	38	S	880	100	3	12			
8	41	27	34	32	2	31	0	0.48	T	0	41.3	64	S	0	0	10	1246			
9	46	36	41	33	8	24	0	0.03	0.0	0	23.3	45	W	15	2	10	12			
10	38	24	31	33	-2	34	0	0.82	1.5	0	30.5	54	NW	0	0	10	1246			
11	28	21	25	34	-9	40	0	0.23	1.5	1	49.6	77	NW	37	4	10	1269			
12	45	23	34	34	0	31	0	0.00	0.0	1	52.0	84	NW	784	88	3				
13	50	40	45	35	10	20	0	0.11	T	0	25.4	51	W	265	30	10	124			
14	43	39	41	35	6	24	0	0.15	0.0	0	24.6	46	W	0	0	10	12			
15	43	40	42	35	7	23	0	1.26	0.0	0	28.8	52	S	0	0	10	12			
16	52	39	46	36	10	19	0	0.38	0.1	0	24.4	49	W	280	31	9	1235*			
17	39	23	31	36	-5	34	0	T	0.0	0	48.8	81	NW	488	54	8	126			
18	47	27	37	37	0	28	0	0.00	0.0	0	18.3	46	W	905	100	1				
19	57	39	48	37	11	17	0	0.00	0.0	0	17.9	39	NW	897	99	4				
20	61	47	54	37	17	11	0	0.00	0.0	0	12.5	32	SE	894	98	4				
21	52	45	49	38	11	16	0	0.03	0.0	0	26.5	48	S	794	87	6	12			
22	48	43	46	38	8	19	0	0.04	0.0	0	15.0	36	SW	12	1	10	12			
23	52	44	48	38	10	17	0	0.02	0.0	0	9.4	27	NW	130	14	9	12			
24	56	44	50	39	11	15	0	0.01	0.0	0	17.0	36	S	121	13	10	12			
25	51	45	48	39	9	17	0	0.04	0.0	0	32.6	66	W	25	3	10	12			
26	52	40	46	39	7	19	0	0.00	0.0	0	43.8	74	W	347	38	8	12			
27	51	39	45	40	5	20	0	0.11	0.0	0	27.3	52	NW	380	41	8	12			
28	54	41	48	40	8	17	0	0.04	0.0	0	29.3	60	W	115	12	10	12			
29	61	48	55	40	15	10	0	3.05	T	0	35.9	108	W	20	2	10	1235			
30	50	40	45	40	5	20	0	0.10	0.0	0	37.9	66	W	320	35	10	12			
31	47	32	40	41	-1	25	0	0.00	0.0	0	23.6	43	NW	255	27	8	12			
SUM	1466	1108	----	----	----	723	0	8.48	3.9	----	826.0	----	----	9912	----	252	----			
AVG	47.3	35.7	----	----	----	----	----	----	----	----	26.6	FASTEST	DIR	POSS	%	8.1	----			
											MISC. ->	108	W	27878	36%		----			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.5	TOTAL FOR THE MONTH	8.48	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.9	DEPARTURE FROM NORMAL	0.27	CLEAR (SCALE 0-3)	3	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	61 on 20th & 29th	24 HOUR MAX	3.05 on 29th	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
LOWEST	21 on 11th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	3.9	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	2.6 on 10th/11th	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	2 on 1st	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	12			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.501 on 20th			X = TORNADO	
TOTAL THIS MONTH	723	LOWEST SEA-LEVEL	29.430 on 10th				
DEPARTURE FROM NORMAL	-190	AVG STATION	23.863				
SEASON TOTAL	11803	NOTES: **5" FELL AS SMALL HAIL.					
DEPARTURE FROM NORMAL	-1355	1ST, DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO INCORRECTLY VANED PITOT.					
		1ST, 10TH, 13TH: DAILY SNOWFALL PARTIALLY ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION.					
		9TH: DAILY PRECIPITATION PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNT IN CAN AT A COLLECTION DUE TO WET FOG.					
		11TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNT OF SNOW IN CAN FROM BLOWING SNOW.					
		16TH, 29TH: DAILY SNOWFALL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION.					
		20TH: DAILY RECORD HIGH OF 61F EQUALED; RECORD PREVIOUSLY SET IN 1989.					
COOLING DEGREE DAYS (BASE 65F)		AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
TOTAL THIS MONTH	0	0600	1200	1800	0000	MONTH	
DEPARTURE FROM NORMAL	0	89	83	86	89	87	
SEASON TOTAL	0	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 245 HOURS OF PREVAILING WINDS FROM THE NW, 33% OF THE TOTAL HOURS OF THE MONTH.					
DEPARTURE FROM NORMAL	0						