

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MARCH					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.
DEGREE DAYS										TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS	(TENTHS)	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL						SPEED	DIR					
1	13	2	8	9	-1	57	0	0.42	9.8	25	30.8	50	SE	0	0	10	1269		
2	20	10	15	10	5	50	0	0.02	0.8	28	21.9	51	SW	155	23	9	1269		
3	27	9	18	10	8	47	0	0.22	1.8	27	58.1	99	W	0	0	10	12469		
4	15	1	8	10	-2	57	0	0.11	5.5	27	35.4	93	W	0	0	10	1269		
5	1	-9	-4	11	-15	69	0	0.03	1.1	30	36.0	56	W	165	24	10	1269		
6	17	-9	4	11	-7	61	0	0.00	0.0	27	40.8	65	NW	698	100	1	1269		
7	34	12	23	11	12	42	0	0.00	0.0	26	56.7	91	W	575	82	5	9		
8	37	19	28	11	17	37	0	0.30	0.3	24	66.7	120	SW	320	45	8	1245*6		
9	19	2	11	12	-1	54	0	0.48	2.8	19	53.8	114	NW	0	0	10	1269		
10	9	1	5	12	-7	60	0	0.01	0.3	19	22.8	41	W	325	46	8	126		
11	26	7	17	12	5	48	0	0.00	0.0	19	52.6	73	W	527	74	4	19		
12	36	23	30	13	17	35	0	0.00	0.0	18	36.5	74	W	530	74	6			
13	37	30	34	13	21	31	0	T	T	17	35.5	67	W	0	0	10	126		
14	31	20	26	13	13	39	0	0.03	0.7	14	23.9	38	W	45	6	10	126		
15	39	20	30	13	17	35	0	T	T	14	26.3	36	NW	718	99	3	126		
16	38	30	34	14	20	31	0	0.36	0.0	12	40.3	56	NW	0	0	10	126		
17	40	30	35	14	21	30	0	0.00	0.0	11	26.3	49	NW	637	87	4			
18	46	36	41	14	27	24	0	0.00	0.0	10	43.8	66	NW	734	100	4			
19	49	39	44	14	30	21	0	0.06	0.0	8	21.0	47	W	130	18	9	12		
20	49	41	45	15	30	20	0	0.00	0.0	6	24.3	38	W	540	73	4	12		
21	54	43	49	15	34	16	0	0.00	0.0	4	15.8	32	W	733	99	3			
22	51	35	43	15	28	22	0	0.00	0.0	3	33.2	66	N	626	84	5	128		
23	37	25	31	16	15	34	0	0.00	0.0	2	58.0	96	N	750	100	3			
24	40	27	34	16	18	31	0	T	T	T	25.5	62	N	175	23	10	4		
25	36	26	31	16	15	34	0	0.23	0.2	T	33.4	70	NW	0	0	10	1246		
26	27	-6	11	16	-5	54	0	0.51	4.9	1	65.9	113	N	0	0	10	12469		
27	19	-8	6	17	-11	59	0	0.04	0.4	1	54.0	89	NW	762	100	1	12		
28	28	8	18	17	1	47	0	0.34	3.3	3	39.5	70	W	0	0	10	1269		
29	22	7	15	17	-2	50	0	0.14	1.8	3	41.5	78	NW	0	0	10	1269		
30	15	1	8	17	-9	57	0	0.29	3.0	5	42.1	72	NW	35	5	9	1269		
31	21	11	16	18	-2	49	0	0.00	0.0	5	10.9	24	W	467	60	6			
SUM	933	483	---	---	---	1301	0	3.59	36.7	---	1173.3	---	---	9647	---	222	---		
AVG	30.1	15.6	---	---	---	---	---	---	---	---	37.8	---	---	22568	43%	7.2	---		
												MISC. ->	120	DIR SW	POSS				

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	22.9	TOTAL FOR THE MONTH	3.59	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	9.3	DEPARTURE FROM NORMAL	-5.83	CLEAR (SCALE 0-3)	5	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	54 on 21st	24 HOUR MAX	0.77 on 8th/9th	PARTLY CLOUDY (SCALE 4-7)	8	3 = THUNDER	
LOWEST	-9 on 5th & 6th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	18	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	36.7	WITH .01" OR MORE PRECIP	17	5 = HAIL	
MAX. 32 OR BELOW	16	24 HOUR MAX	10.1 on 1st/2nd	WITH .10" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	30 on 5th	WITH .50" OR MORE PRECIP	1	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	26			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	4	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.484 on 21st			X = TORNADO	
TOTAL THIS MONTH	1301	LOWEST SEA-LEVEL	29.398 on 3rd				
DEPARTURE FROM NORMAL	-292	AVG STATION	23.706				
SEASON TOTAL	9845	NOTES: 2ND: PRECIPITATION PARTIALLY EST'D DUE TO UNREALISTICALLY LOW AMOUNT IN CAN					
DEPARTURE FROM NORMAL	-1137	3RD: PARTIALLY ESTIMATED DUE TO UNREALISTICALLY HIGH AMOUNT OF GLAZE ICE COVERING SNOW/PRECIPITATION BEFORE COLLECTION.					
		8TH: **5" FELL AS SMALL HAIL.					
		18TH: NEW DAILY RECORD HIGH OF 46°F; PREVIOUS RECORD OF 37°F SET IN 1945.					
		19TH: NEW DAILY RECORD HIGH OF 49°F; PREVIOUS RECORD OF 38°F SET IN 1968.					
		20TH: NEW DAILY RECORD HIGH OF 49°F; PREVIOUS RECORD OF 40°F SET IN 1938.					
		21ST: NEW DAILY RECORD HIGH OF 54°F; PREVIOUS RECORD OF 43°F SET IN 1976.					
		21ST: MONTHLY RECORD HIGH OF 54°F EQUALED; RECORD FIRST SET ON MARCH 31, 1998.					
		22ND: NEW DAILY RECORD HIGH OF 51°F; PREVIOUS RECORD OF 41°F SET IN 2007.					
		26TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.					
		30TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEED DUE TO PITOT NOT VANED INTO WIND CORRECTLY.					
		AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
		0600	1200	1800	0000	MONTH	
		80	79	82	80	81	
							NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
							THERE WERE 351 HOURS OF PREVAILING WINDS FROM THE W, 47% OF THE TOTAL HOURS OF THE MONTH.