

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
											MONTH			YEAR			
											APRIL			2023			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)			STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6280 FT			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-7AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS		
1	37	20	29	18	11	36	0	0.10	0.1	20	48.8	94	260 (W)	155	20	10	1269
2	25	-1	12	18	-6	53	0	0.02	0.2	17	63.9	105	290 (W)	559	72	5	1269
3	27	7	17	19	-2	48	0	0.09	0.9	17	36.8	93	250 (W)	448	57	9	1269
4	28	20	24	19	5	41	0	0.02	0.3	18	39.7	65	290 (W)	15	2	10	1269
5	43	26	35	19	16	30	0	0.16	T	18	45.0	115	240 (SW)	0	0	10	1246
6	45	21	33	20	13	32	0	0.31	0.0	12	61.7	96	280 (W)	0	0	10	126
7	21	5	13	20	-7	52	0	0.01	0.3	7	68.3	108	280 (W)	180	23	10	1269
8	10	0	5	20	-15	60	0	0	0.0	7	49.8	80	300 (NW)	776	97	4	1269
9	20	8	14	21	-7	51	0	0.00	0.0	7	37.8	59	300 (NW)	802	100	3	
10	34	18	26	21	5	39	0	0.00	0.0	6	35.1	67	290 (W)	790	98	4	
11	36	28	32	22	10	33	0	0.00	0.0	5	62.5	108	300 (NW)	180	22	10	
12	36	21	29	22	7	36	0	0.01	0.1	5	67.4	100	310 (NW)	493	61	9	124
13	51	36	44	23	21	21	0	0.00	0.0	5	47.4	70	300 (NW)	610	75	4	12
14	53	40	47	23	24	18	0	0.00	0.0	4	27.9	76	300 (NW)	809	99	6	
15	54	43	49	23	26	16	0	0.00	0.0	3	15.2	28	230 (SW)	805	98	6	
16	53	41	47	24	23	18	0	T	0.0	1	11.2	39	160 (S)	615	75	8	12
17	42	30	36	24	12	29	0	0.54	T	T	32.7	67	160 (S)	0	0	10	126
18	30	18	24	25	-1	41	0	0.25	1.8	T	31.5	59	280 (W)	0	0	10	12469
19	18	15	17	25	-8	48	0	0.14	1.0	1	41.7	77	300 (NW)	0	0	10	1269
20	29	9	19	26	-7	46	0	0.02	0.3	2	52.8	91	300 (NW)	475	57	8	1269
21	47	28	38	26	12	27	0	0.00	0.0	1	33.4	58	290 (W)	510	61	9	
22	48	35	42	27	15	23	0	0.00	0.0	0	33.3	65	150 (SE)	381	45	9	12
23	37	20	29	27	2	36	0	1.32	3.9	0	46.7	69	150 (SE)	0	0	10	12469
24	26	23	25	27	-2	40	0	0.49	3.0	3	22.2	40	120 (SE)	0	0	10	12469
25	27	22	25	28	-3	40	0	0.49	5.7	7	13.6	23	140 (SE)	55	6	10	1246
26	31	19	25	28	-3	40	0	0.03	0.6	12	9.2	21	210 (SW)	487	57	8	126
27	31	24	28	29	-1	37	0	0.13	1.3	12	11.0	37	270 (W)	175	20	9	126
28	34	24	29	29	0	36	0	0.00	0.0	12	8.4	25	140 (SE)	763	89	6	
29	29	21	25	30	-5	40	0	0.24	1.7	12	38.7	66	130 (SE)	275	32	10	12469
30	35	24	30	30	0	35	0	1.13	0.2	13	55.0	119	100 (E)	0	0	10	1246
SUM	1037	645	----	----	----	1102	0	5.50	21.4	----	1148.7	----	----	10358	----	247	----
AVG	34.6	21.5	----	----	----	----	----	----	----	----	38.3	FASTEST	DIR	POSS	42%	8.2	----
											MISC. ->	119	100 (E)	24607			----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	28.0	TOTAL FOR THE MONTH	5.50	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.3	DEPARTURE FROM NORMAL	-1.81	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	54 on 15th	24 HOUR MAX	1.38 on 23rd/24th	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	-1 on 2nd	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
MAX. 32 OR BELOW	14	TOTAL FOR THE MONTH	21.4	WITH .01" OR MORE PRECIP	19	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	5.7 on 25th	WITH .10" OR MORE PRECIP	12	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	25	MAX DEPTH ON GROUND	20 on 1st	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	2	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.468 on 5th			9 = BLOWING SNOW	
		LOWEST SEA-LEVEL	29.280 on 2nd			X = TORNADO	
TOTAL THIS MONTH	1102	AVG STATION	23.739				
DEPARTURE FROM NORMAL	-137						
SEASON TOTAL	10898						
DEPARTURE FROM NORMAL	-1099						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:

6TH: NEW DAILY RECORD HIGH OF 45°F; PREVIOUS RECORD OF 42°F ORIGINALLY SET IN 1947 AND EQUALED IN 1997 AND 2010

10TH: DAILY AVERAGE WIND SPEED ESTIMATED AT TWO HOURS DUE TO PITOT VANED INCORRECTLY

14TH: NEW DAILY RECORD HIGH OF 53°F; PREVIOUS RECORD OF 50°F ORIGINALLY SET IN 2014.

15TH: NEW DAILY RECORD HIGH OF 54°F; PREVIOUS RECORD OF 50°F ORIGINALLY SET IN 2003.

24TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO SNOW GETTING ENCASED IN GLAZE ICE FROM FREEZING RAIN

25TH, 26TH, 27TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION

25TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR TWO HOURS DUE TO LOW WINDS AND PITOT UNABLE TO VANE

28TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR DUE TO LOW WINDS BELOW THRESHOLD SPEED OF RM YOUNG.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
84	84	86	90	86

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE 258 HOURS OF PREVAILING WINDS FROM THE W, 36% OF THE TOTAL HOURS OF THE MONTH.