

WS FORM F-6											STATION													
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY													
											MONTH			YEAR										
											MAY			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	DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	COVER	WEATHER								
1	38	25	32	31	1	33	0	1.97	0.8	12	39.3	121	100 (E)	35	4	10	1236							
2	29	25	27	31	-4	38	0	2.33	11.5	12	35.8	70	100 (E)	25	3	10	124569							
3	26	22	24	31	-7	41	0	1.16	6.3	20	34.7	54	090 (E)	0	0	10	12469							
4	27	20	24	32	-8	41	0	0.19	1.2	23	26.3	46	010 (N)	0	0	10	12469							
5	33	25	29	32	-3	36	0	0.08	0.4	24	24.9	42	340 (N)	370	32	9	12469							
6	38	28	33	33	0	32	0	0.00	0.0	24	43.5	73	320 (NW)	878	100	6								
7	40	33	37	33	4	28	0	0.00	0.0	22	44.3	72	340 (N)	658	75	8								
8	34	22	28	34	-6	37	0	0.00	0.0	19	47.7	97	340 (N)	700	79	6	126							
9	29	19	24	34	-10	41	0	0.00	0.0	17	29.8	58	010 (N)	875	99	8								
10	38	24	31	34	-3	34	0	0.00	0.0	16	47.5	73	340 (N)	872	98	6								
11	44	33	39	35	4	26	0	0.00	0.0	16	40.8	78	310 (NW)	795	89	6								
12	45	36	41	35	6	24	0	0.17	0.0	13	38.7	71	280 (W)	330	37	10	12							
13	41	23	32	36	-4	33	0	0.00	0.0	9	52.2	83	270 (W)	699	78	6	126							
14	30	19	25	36	-11	40	0	0.00	0.0	8	48.5	77	310 (NW)	720	80	5	126							
15	39	26	33	36	-3	32	0	0.00	0.0	7	54.1	95	280 (W)	470	52	10								
16	42	22	32	37	-5	33	0	0.01	0.1	3	54.5	87	280 (W)	465	52	10	1246							
17	22	12	17	37	-20	48	0	0.13	1.5	3	45.5	81	340 (N)	5	1	10	12469							
18	32	11	22	37	-15	43	0	0.00	0.0	3	41.3	79	300 (NW)	905	100	5								
19	46	31	39	38	1	26	0	0.00	0.0	2	27.0	47	250 (W)	857	94	9	12							
20	47	39	43	38	5	22	0	0.82	0.0	1	29.8	74	160 (S)	20	2	10	12							
21	47	32	40	38	2	25	0	0.48	0.0	0	44.5	77	270 (W)	30	3	10	12							
22	44	32	38	39	-1	27	0	0.00	0.0	0	19.3	45	290 (W)	913	100	6	12							
23	45	35	40	39	1	25	0	0.00	0.0	0	21.4	46	250 (W)	235	26	9	128							
24	43	25	34	39	-5	31	0	0.73	1.2	0	30.1	52	310 (NW)	79	9	10	12469							
25	28	23	26	40	-14	39	0	0.00	0.0	1	34.8	64	340 (N)	67	7	10	126							
26	38	26	32	40	-8	33	0	0.00	0.0	T	38.2	80	330 (NW)	842	92	6	1							
27	52	34	43	40	3	22	0	0.00	0.0	0	27.4	56	310 (NW)	922	100	4								
28	58	45	52	41	11	13	0	0.00	0.0	0	36.9	76	270 (W)	890	96	3								
29	53	43	48	41	7	17	0	0.00	0.0	0	14.1	39	310 (NW)	920	99	6								
30	56	43	50	41	9	15	0	0.00	0.0	0	13.7	35	260 (W)	906	98	6								
31	62	47	55	41	14	10	0	0.00	0.0	0	11.5	30	260 (W)	917	99	6								
SUM	1246	880	----	----	----	945	0	8.07	23.0	----	1098.1	----	----	16400	----	240	----							
AVG	40.2	28.4	----	----	----	----	----	----	----	----	35.4	FASTEST	DIR	POSS	59%	7.7	----							
											MISC. ->	121	100 (E)	27878										
<u>TEMPERATURE DATA (°F)</u>					<u>PRECIPITATION DATA (IN.)</u>					<u>WEATHER</u>					<u>SYMBOLS USED IN COLUMN 16</u>									
AVERAGE MONTHLY					34.3					TOTAL FOR THE MONTH					8.07									
DEPARTURE FROM NORMAL					-2.0					DEPARTURE FROM NORMAL					0.39									
HIGHEST					62 on 31st					24 HOUR MAX					2.96 on 2nd/3rd									
LOWEST					11 on 18th					SNOWFALL, ICE PELLETS (IN.)														
NUMBER OF DAYS WITH:										TOTAL FOR THE MONTH					23.0									
MAX. 32 OR BELOW					8					24 HOUR MAX					14.3 on 2nd/3rd									
MAX. 90 OR ABOVE					0					MAX DEPTH ON GROUND					24 on 5th/6th									
MIN. 32 OR BELOW					21					PRESSURE DATA (IN.)														
MIN. 0 OR BELOW					0					HIGHEST SEA-LEVEL					30.517 on 27th									
HEATING DEGREE DAYS (BASE 65°F)										LOWEST SEA-LEVEL					29.190 on 1st									
TOTAL THIS MONTH					945					AVG STATION					23.792									
DEPARTURE FROM NORMAL					57					NOTES:														
SEASON TOTAL					11843					4TH: DAILY AVERAGE WIND SPEED ESTIMATED AT ONE HOUR DUE TO LOW WINDS AND PITOT UNABLE TO VANE														
DEPARTURE FROM NORMAL					-1042					5TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION														
COOLING DEGREE DAYS (BASE 65°F)										6TH: DAILY AVERAGE WIND SPEED ESTIMATED AT TWO HOURS DUE TO PITOT PERIODICALLY VANING INCORRECTLY														
TOTAL THIS MONTH					0					11TH: PEAK WIND DIRECTION OBSERVER DETERMINED DUE TO A LOOSE NUT ON TAYLOR VANE CAUSING ERRONEOUS READING AT THE TIME														
DEPARTURE FROM NORMAL					0																			
SEASON TOTAL					0																			
DEPARTURE FROM NORMAL					0																			
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR										NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE														
0600					1200					1800					0000					MONTH				
79					76					80					80					78				
RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.																								
THERE WERE 225 HOURS OF PREVAILING WINDS FROM THE W ,																								
30% OF THE TOTAL HOURS OF THE MONTH.																								