

WS FORM F-6										STATION									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MOUNT WASHINGTON OBSERVATORY									
										MONTH					YEAR				
										JULY					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	SPEED	DIR	TOTAL	% POSS			
1	58	49	54	49	5	11	0	0.00	0.0	0	13.8	34	200 (S)	230	24	9	128		
2	53	45	49	49	0	16	0	1.24	0.0	0	17.8	40	200 (S)	0	0	10	12		
3	58	51	55	49	6	10	0	1.15	0.0	0	5.2	20	300 (NW)	0	0	10	12		
4	58	52	55	49	6	10	0	0.63	0.0	0	8.8	29	300 (NW)	45	5	10	123		
5	62	51	57	50	7	8	0	0.00	0.0	0	15.4	34	320 (NW)	588	63	6	12		
6	66	55	61	50	11	4	0	0.00	0.0	0	10.3	28	250 (W)	683	73	6	12		
7	64	53	59	50	9	6	0	0.73	0.0	0	15.8	38	270 (W)	300	32	9	123		
8	64	53	59	50	9	6	0	1.87	0.0	0	10.9	35	160 (S)	228	24	9	123		
9	60	51	56	50	6	9	0	0.11	0.0	0	14.0	33	230 (SW)	215	23	10	12		
10	54	50	52	50	2	13	0	3.97	0.0	0	25.4	48	130 (SE)	0	0	10	12		
11	56	48	52	50	2	13	0	0.21	0.0	0	33.3	66	270 (W)	220	24	9	12		
12	56	50	53	50	3	12	0	0.07	0.0	0	29.5	58	270 (W)	364	39	9	12		
13	56	48	52	50	2	13	0	0.52	0.0	0	27.6	66	250 (W)	55	6	10	123		
14	60	50	55	50	5	10	0	0.01	0.0	0	23.0	42	180 (S)	410	44	9	12		
15	59	52	56	50	6	9	0	0.11	0.0	0	15.2	35	210 (SW)	75	8	10	123		
16	58	54	56	50	6	9	0	3.30	0.0	0	25.1	54	180 (S)	0	0	10	123		
17	61	52	57	50	7	8	0	0.22	0.0	0	22.7	42	270 (W)	630	68	9	12		
18	57	52	55	50	5	10	0	0.40	0.0	0	20.5	44	280 (W)	50	5	10	1238		
19	53	45	49	50	-1	16	0	0.00	0.0	0	22.6	43	290 (W)	303	33	9	12		
20	54	45	50	50	0	15	0	0.00	0.0	0	9.2	28	180 (S)	445	49	8	12		
21	50	46	48	50	-2	17	0	0.21	0.0	0	27.6	54	180 (S)	20	2	10	12		
22	50	46	48	50	-2	17	0	T	0.0	0	20.9	44	280 (W)	46	5	10	12		
23	54	45	50	50	0	15	0	0.00	0.0	0	23.9	42	290 (W)	546	60	8	12		
24	64	49	57	50	7	8	0	0.04	0.0	0	21.9	53	240 (SW)	492	54	8	123		
25	58	48	53	50	3	12	0	0.23	0.0	0	22.2	53	260 (W)	360	40	9	123		
26	57	48	53	50	3	12	0	0.00	0.0	0	30.5	48	260 (W)	408	45	9	12		
27	58	51	55	50	5	10	0	1.28	0.0	0	38.6	80	260 (W)	0	0	10	12		
28	60	51	56	50	6	9	0	0.00	0.0	0	34.0	62	280 (W)	115	13	10	12		
29	59	42	51	50	1	14	0	0.61	0.0	0	29.1	64	280 (W)	72	8	10	12		
30	43	35	39	50	-11	26	0	0.00	0.0	0	34.4	59	310 (NW)	220	25	9	12		
31	44	38	41	50	-9	24	0	0.17	0.0	0	34.8	65	280 (W)	15	2	10	12		
SUM	1764	1505	----	----	----	372	0	17.08	0.0	----	684.0	----	----	7135	----	285	----		
AVG	56.9	48.5	----	----	----	----	----	----	----	----	22.1	FASTEST	DIR	POSS	25%	9.2	----		
											MISC. ->	80	260 (W)	28530			----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	52.7	TOTAL FOR THE MONTH	17.08	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.8	DEPARTURE FROM NORMAL	8.15			2 = FOG REDUCING VISIBILITY	
HIGHEST	66 on 6th	24 HOUR MAX	4.03 on 10th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	35 on 30th			PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	29	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	21	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.00 N/A	WITH .10" OR MORE PRECIP	18	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	0 N/A	WITH .50" OR MORE PRECIP	10	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	6	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.338 on 24th				
		LOWEST SEA-LEVEL	29.849 on 30th				
TOTAL THIS MONTH	372	AVG STATION	23.912				
DEPARTURE FROM NORMAL	-96						
SEASON TOTAL	372						
DEPARTURE FROM NORMAL	-96						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
93	91	95	96	94

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 276 HOURS OF PREVAILING WINDS FROM THE W, 37 % OF THE TOTAL HOURS OF THE MONTH.