

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH AUGUST				YEAR 2023				
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 6280 FT			STANDARD TIME EASTERN					
TEMPERATURE (°F)						DEGREE DAYS			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	42	35	39	50	-11	26	0	0.00	0.0	0	25.1	46	280 (W)	110	12	10	12	
2	48	36	42	50	-8	23	0	0.00	0.0	0	18.0	38	330 (NW)	533	60	8	12	
3	50	40	45	50	-5	20	0	0.07	0.0	0	27.8	51	240 (SW)	287	32	10	12	
4	50	44	47	50	-3	18	0	0.24	0.0	0	28.9	48	240 (SW)	20	2	10	12	
5	48	42	45	50	-5	20	0	0.00	0.0	0	28.5	53	290 (W)	250	28	9	12	
6	50	42	46	49	-3	19	0	0.00	0.0	0	35.8	56	290 (W)	438	50	9	12	
7	50	45	48	49	-1	17	0	0.89	0.0	0	29.8	65	170 (S)	70	8	10	12	
8	58	50	54	49	5	11	0	1.67	0.0	0	27.5	71	150 (SE)	10	1	10	123	
9	53	42	48	49	-1	17	0	0.61	0.0	0	61.3	92	290 (W)	0	0	10	12	
10	57	45	51	49	2	14	0	2.12	0.0	0	25.8	72	290 (W)	195	22	10	123	
11	48	40	44	49	-5	21	0	0.45	0.0	0	60.3	90	270 (W)	0	0	10	12	
12	55	41	48	49	-1	17	0	0.41	0.0	0	25.3	74	300 (NW)	557	65	9	123	
13	53	45	49	49	0	16	0	1.16	0.0	0	32.0	57	240 (SW)	0	0	10	123	
14	47	43	45	49	-4	20	0	0.00	0.0	0	38.2	65	280 (W)	5	1	10	12	
15	50	44	47	49	-2	18	0	0.31	0.0	0	9.1	30	280 (W)	10	1	10	12	
16	51	48	50	49	1	15	0	0.01	0.0	0	13.5	29	220 (SW)	15	2	10	12	
17	52	48	50	49	1	15	0	0.03	0.0	0	20.4	40	170 (S)	35	4	10	12	
18	53	41	47	49	-2	18	0	0.84	0.0	0	29.4	57	250 (W)	7	1	10	12	
19	43	39	41	49	-8	24	0	1.49	0.0	0	40.8	94	290 (W)	0	0	10	12	
20	55	41	48	49	-1	17	0	0.20	0.0	0	50.3	88	290 (W)	348	41	8	12	
21	51	42	47	48	-1	18	0	0.01	0.0	0	34.4	61	290 (W)	8	1	10	12	
22	45	37	41	48	-7	24	0	0.00	0.0	0	30.9	58	350 (N)	705	84	6	12	
23	50	37	44	48	-4	21	0	0.00	0.0	0	13.7	34	020 (N)	729	88	5		
24	53	34	44	48	-4	21	0	0.55	0.0	0	16.6	56	160 (S)	658	79	8	12	
25	54	35	45	48	-3	20	0	1.10	0.0	0	30.0	53	160 (S)	0	0	10	123	
26	53	45	49	48	1	16	0	0.37	0.0	0	26.6	49	280 (W)	0	0	10	123	
27	52	44	48	48	0	17	0	0.01	0.0	0	6.6	25	290 (W)	60	7	10	12	
28	54	43	49	48	1	16	0	0.17	0.0	0	14.9	36	210 (SW)	143	17	9	12	
29	53	47	50	48	2	15	0	0.02	0.0	0	26.6	52	250 (W)	210	26	9	12	
30	52	40	46	47	-1	19	0	1.23	0.0	0	34.1	76	290 (W)	0	0	10	12	
31	41	30	36	47	-11	29	0	0.05	T	0	41.9	75	340 (N)	578	71	6	126	
SUM	1571	1285	----	----	----	582	0	14.01	T	----	904.1	----	----	5981	----	286	----	
AVG	50.7	41.5	----	----	----	----	----	----	----	----	29.2	FASTEST 94	DIR 290 (W)	POSS 26399	23%	9.2	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	46.1	TOTAL FOR THE MONTH	14.01	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.6	DEPARTURE FROM NORMAL	6.29	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	58 on 8th	24 HOUR MAX	2.47 on 10th/11th	PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
LOWEST	30 on 31st	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	28	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	24	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 31st	WITH .10" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	10	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	1	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	6	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.396 on 2nd			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.652 on 11th			X = TORNADO	
TOTAL THIS MONTH	582	AVG STATION	23.855				
DEPARTURE FROM NORMAL	77						
SEASON TOTAL	954						
DEPARTURE FROM NORMAL	-19						
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				NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE HOURS OF PREVAILING WINDS FROM THE , % OF THE TOTAL HOURS OF THE MONTH.			
0600	1200	1800	0000	MONTH			
				#DIV/0!			