

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST			YEAR 2021			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION 6280 FT			STANDARD TIME 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		TOTAL	% POSS		
											SPEED	DIR					
1	45	37	41	50	-9	24	0	0.67	0.0	0	16.9	41	160 (S)	175	20	10	12
2	44	39	42	50	-8	23	0	0.46	0.0	0	35.8	65	300 (NW)	0	0	10	12
3	50	39	45	50	-5	20	0	0.00	0.0	0	25.9	46	270 (W)	707	80	9	12
4	54	45	50	50	0	15	0	0.00	0.0	0	7.6	19	150 (SE)	210	24	10	12
5	54	47	51	50	1	14	0	0.01	0.0	0	8.1	17	300 (NW)	20	2	9	12
6	61	47	54	49	5	11	0	0.00	0.0	0	18.5	50	270 (W)	630	72	8	128
7	57	49	53	49	4	12	0	0.16	0.0	0	34.6	57	280 (W)	50	6	10	123
8	61	50	56	49	7	9	0	0.03	0.0	0	10.8	39	300 (NW)	385	44	9	12
9	62	50	56	49	7	9	0	T	0.0	0	11.9	26	180 (S)	425	49	9	12
10	63	52	58	49	9	7	0	T	0.0	0	11.1	27	230 (SW)	459	53	8	12
11	61	53	57	49	8	8	0	0.06	0.0	0	30.7	82	250 (W)	0	0	10	12
12	67	55	61	49	12	4	0	0.00	0.0	0	34.0	69	290 (W)	467	54	9	12
13	67	54	61	49	12	4	0	0.00	0.0	0	21.8	61	290 (W)	805	93	6	12
14	59	42	51	49	2	14	0	0.77	0.0	0	35.2	64	290 (W)	27	3	10	12
15	52	39	46	49	-3	19	0	0.00	0.0	0	20.6	48	300 (NW)	762	89	6	12
16	60	48	54	49	5	11	0	0.00	0.0	0	6.9	15	260 (W)	835	98	5	
17	64	53	59	49	10	6	0	T	0.0	0	14.4	35	280 (W)	621	73	10	12
18	57	54	56	49	7	9	0	0.14	0.0	0	30.9	51	270 (W)	0	0	10	12
19	57	52	55	49	6	10	0	0.88	0.0	0	18.7	43	120 (SE)	18	2	10	12
20	62	52	57	49	8	8	0	0.01	0.0	0	20.7	37	030 (NE)	525	62	9	12
21	61	54	58	48	10	7	0	0.00	0.0	0	15.6	30	070 (E)	225	27	10	12
22	59	53	56	48	8	9	0	0.17	0.0	0	30.1	68	100 (E)	65	8	10	12
23	56	52	54	48	6	11	0	1.18	0.0	0	17.6	46	120 (SE)	0	0	10	12
24	58	53	56	48	8	9	0	0.00	0.0	0	22.1	50	270 (W)	0	0	10	12
25	61	52	57	48	9	8	0	0.00	0.0	0	19.2	35	310 (NW)	760	92	8	12
26	62	54	58	48	10	7	0	0.00	0.0	0	35.0	57	270 (W)	145	18	10	12
27	55	50	53	48	5	12	0	0.00	0.0	0	35.8	54	300 (NW)	675	82	8	12
28	57	46	52	48	4	13	0	0.15	0.0	0	14.6	44	280 (W)	8	1	10	12
29	56	49	53	48	5	12	0	0.22	0.0	0	28.1	54	270 (W)	0	0	10	12
30	56	48	52	47	5	13	0	0.83	0.0	0	43.1	67	280 (W)	10	1	10	12
31	49	43	46	47	-1	19	0	0.00	0.0	0	42.1	64	300 (NW)	90	11	10	12
SUM	1787	1511	----	----	----	357	0	5.74	0.0	----	718.4	----	----	9099	----	283	----
AVG	57.6	48.7	----	----	----	----	----	----	----	----	23.2	FASTEST	DIR	POSS	34%	9.1	----
											MISC.-->	82	250 (W)	26399			----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	53.2	TOTAL FOR THE MONTH	5.74	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.5	DEPARTURE FROM NORMAL	-1.98			2 = FOG REDUCING VISIBILITY	
HIGHEST	67 on 12th, 13th	24 HOUR MAX	1.20 on 22nd/23rd	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	37 on 1st			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	28	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	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.0 on N/A	WITH .10" OR MORE PRECIP	11	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.479 on 28th			X = TORNADO	
		LOWEST SEA-LEVEL	29.892 on 31st				
TOTAL THIS MONTH	357	AVG STATION	24.009				
DEPARTURE FROM NORMAL	-148						
SEASON TOTAL	872						
DEPARTURE FROM NORMAL	-101						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
7TH: PRECIPITATION ESTIMATED AT TWO COLLECTIONS DUE TO EVAPORATING AT AND PRIOR TO COLLECTION				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
86	86	91	88	88

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 297 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.