

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
LATITUDE											MONTH			YEAR			
44 DEGREES 16 MINUTES NORTH						LONGITUDE					DECEMBER			2021			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H)			STANDARD TIME			
											6280 FT			EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE		SKY	WEATHER
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL (MINUTES)	% POSS	COVER (TENTHS)	WEATHER OCCUR.
												SPEED	DIR				
1	20	9	15	16	-1	50	0	0.11	1.0	10	44.7	85	260 (W)	73	13	10	1269
2	28	12	20	16	4	45	0	0.41	2.8	10	50.0	91	290 (W)	0	0	10	12469
3	19	-5	7	15	-8	58	0	0.18	1.7	11	77.4	120	300 (NW)	118	21	9	1269
4	12	-6	3	15	-12	62	0	0.12	1.0	10	45.4	80	290 (W)	450	81	5	126
5	11	5	8	15	-7	57	0	0.17	1.6	11	44.1	73	280 (W)	35	6	10	1269
6	35	11	23	14	9	42	0	1.33	1.9	11	59.1	118	260 (W)	0	0	10	12469
7	17	2	10	14	-4	55	0	0.14	1.2	7	64.3	122	280 (W)	165	30	10	126
8	8	1	5	14	-9	60	0	0.10	2.9	7	21.9	52	290 (W)	0	0	10	126
9	10	-1	5	14	-9	60	0	0.09	2.5	9	38.0	70	300 (NW)	0	0	10	1269
10	28	5	17	13	4	48	0	0.02	0.5	9	36.6	63	220 (SW)	0	0	10	1269
11	43	24	34	13	21	31	0	0.57	T	9	56.6	118	260 (W)	0	0	10	12469
12	26	7	17	13	4	48	0	0.06	0.5	3	77.9	118	280 (W)	377	69	8	1269
13	20	13	17	12	5	48	0	0.00	0.0	3	62.8	93	280 (W)	270	49	8	126
14	18	6	12	12	0	53	0	0.05	0.6	3	64.3	113	290 (W)	217	40	6	1269
15	28	15	22	12	10	43	0	0.11	0.4	3	38.2	90	230 (SW)	315	58	10	1246
16	43	28	36	12	24	29	0	0.51	T	3	57.4	99	260 (W)	140	26	10	1246
17	39	10	25	11	14	40	0	0.05	0.5	1	72.7	110	260 (W)	270	50	8	126
18	22	8	15	11	4	50	0	0.38	4.3	1	32.9	65	310 (NW)	0	0	10	126
19	17	-4	7	11	-4	58	0	0.14	1.7	5	42.7	73	310 (NW)	135	25	10	1269
20	16	3	10	11	-1	55	0	0.00	0.0	5	42.9	83	270 (W)	464	85	9	
21	23	9	16	11	5	49	0	0.02	0.2	5	51.8	95	270 (W)	200	37	8	1269
22	24	0	12	10	2	53	0	0.33	3.0	5	50.0	110	290 (W)	0	0	10	1269
23	0	-12	-6	10	-16	71	0	0.06	0.8	6	67.5	98	290 (W)	140	26	8	1269
24	18	-7	6	10	-4	59	0	0.04	0.3	6	42.2	58	300 (NW)	95	17	9	126
25	30	18	24	10	14	41	0	0.26	1.3	6	29.3	59	290 (W)	0	0	10	1246
26	26	3	15	9	6	50	0	0.07	0.9	6	32.7	57	310 (NW)	0	0	10	1269
27	22	5	14	9	5	51	0	T	T	6	17.8	60	320 (NW)	451	83	9	1269
28	21	8	15	9	6	50	0	0.24	2.0	6	47.9	88	280 (W)	0	0	10	1269
29	20	9	15	9	6	50	0	0.00	0.0	6	32.0	60	300 (NW)	163	30	10	126
30	24	19	22	9	13	43	0	T	0.1	6	31.2	55	270 (W)	350	64	9	126
31	26	20	23	8	15	42	0	0.14	0.9	6	32.4	57	240 (SW)	430	79	4	126
SUM	694	215	----	----	----	1551	0	5.70	34.6	----	1464.7	----	----	4858	----	280	----
AVG	22.4	6.9	----	----	----	----	----	----	----	----	47.2	FASTEST	DIR	POSS	29%	9.0	----
											MISC. ->	122	280 (W)	16968			----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	14.7	TOTAL FOR THE MONTH	5.70	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.9	DEPARTURE FROM NORMAL	-1.65	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	43 on 11th, 16th	24 HOUR MAX	1.35 on 6th/7th	PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
LOWEST	-12 on 23rd	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	28	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	34.6	WITH .01" OR MORE PRECIP	26	5 = HAIL	
MAX. 32 OR BELOW	27	24 HOUR MAX	5.8 on 18th/19th	WITH .10" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	11 on 6th*	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	7	HIGHEST SEA-LEVEL	30.800 on 15th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.347 on 12th			X = TORNADO	
TOTAL THIS MONTH	1551	AVG STATION	23.551				
DEPARTURE FROM NORMAL	-98						
SEASON TOTAL	5278						
DEPARTURE FROM NORMAL	-374						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 11 INCHES OCCURRED AT 12Z ON THE 6TH, THE LAST OF SEVERAL OCCURENCES.
3RD, 7TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO RIME FALLING INTO CAN WHILE MELTING.
11TH: DAILY RECORD HIGH OF 43°F EQUALED; RECORD PREVIOUSLY SET IN 1966.
11TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION.
16TH: NEW DAILY RECORD HIGH OF 43°F; PREVIOUS RECORD OF 40°F ORIGINALLY SET IN 1984 AND EQUALED IN 1992
16TH: DAILY AVERAGE WIND CONTAINS 1 HOUR OF ESTIMATED WIND DUE TO SUSPECTED CLOG IN TP LINE OF PITOT.
21ST: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO BLOWING SNOW AND RIME CHUNKS IN CAN
29TH: DAILY AVERAGE WIND CONTAINS 1 HOUR OF ESTIMATED WIND DUE TO SUSPECTED CLOG IN TP LINE OF PITOT.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
86	88	83	87	86

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
 THERE WERE **423** HOURS OF PREVAILING WINDS FROM THE W, **57%** OF THE TOTAL HOURS OF THE MONTH.