

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER				YEAR 2021			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 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 SPEED	FASTEST DIR	TOTAL	% POSS			
1	32	27	30	37	-7	35	0	0.04	T	1	49.2	77	310 (NW)	0	0	10	1246	
2	42	31	37	37	0	28	0	0.85	T	1	37.1	55	300 (NW)	0	0	10	1246	
3	45	41	43	37	6	22	0	0.98	0.0	0	23.6	44	280 (W)	0	0	10	12	
4	48	41	45	36	9	20	0	0.02	0.0	0	6.8	14	210 (SW)	235	33	9	12	
5	50	43	47	36	11	18	0	0.01	0.0	0	5.0	14	310 (NW)	60	9	10	12	
6	52	41	47	35	12	18	0	0.00	0.0	0	6.6	15	330 (NW)	697	99	3	12	
7	53	41	47	35	12	18	0	0.00	0.0	0	14.3	38	290 (W)	699	100	3	12	
8	52	38	45	34	11	20	0	0.00	0.0	0	8.8	27	340 (N)	680	98	5	12	
9	51	38	45	34	11	20	0	0.00	0.0	0	9.4	33	230 (SW)	654	95	8		
10	48	39	44	34	10	21	0	0.00	0.0	0	17.4	34	290 (W)	285	41	10	12	
11	50	43	47	33	14	18	0	0.00	0.0	0	9.1	34	280 (W)	370	54	10	12	
12	60	47	54	33	21	11	0	0.00	0.0	0	7.8	18	320 (NW)	683	100	8		
13	57	45	51	32	19	14	0	0.00	0.0	0	12.1	28	190 (S)	676	99	4	12	
14	48	44	46	32	14	19	0	T	0.0	0	13.0	30	300 (NW)	61	9	10	12	
15	50	43	47	32	15	18	0	0.01	0.0	0	19.3	34	250 (W)	85	13	10	12	
16	52	38	45	31	14	20	0	2.01	0.0	0	32.3	69	180 (S)	0	0	10	12	
17	39	28	34	31	3	31	0	0.26	0.0	0	39.4	61	290 (W)	0	0	10	126	
18	28	23	26	30	-4	39	0	0.72	4.8	1	41.0	92	290 (W)	0	0	10	126	
19	26	20	23	30	-7	42	0	0.45	2.3	4	67.0	92	290 (W)	0	0	10	126	
20	38	25	32	30	2	33	0	0.00	0.0	5	54.5	88	300(NW)	420	64	6	126	
21	42	36	39	29	10	26	0	0.12	0.0	4	32.0	57	260 (W)	105	16	10	12	
22	41	30	36	29	7	29	0	0.33	0.0	T	34.2	64	260 (W)	0	0	10	126	
23				29			0											
24				28			0											
25				28			0											
26				28			0											
27				27			0											
28				27			0											
29				26			0											
30				26			0											
31				26			0											
SUM	1004	802	----	----	----	520	0	5.80	7.1	----	539.9	----	----	5710	----	186	----	
AVG	45.6	36.5	----	----	----	----	----	----	----	----	24.5	FASTEST	DIR	POSS	27%	8.5	----	
											MISC. ->	92		20805			----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.0	TOTAL FOR THE MONTH	5.80	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	9.7	DEPARTURE FROM NORMAL	-4.19	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	60	24 HOUR MAX		PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
LOWEST	20	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	17	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	7.1	WITH .01" OR MORE PRECIP	12	5 = HAIL	
MAX. 32 OR BELOW	3	24 HOUR MAX		WITH .10" OR MORE PRECIP	8	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND		WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	7	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL				X = TORNADO	
TOTAL THIS MONTH	520	AVG STATION					
DEPARTURE FROM NORMAL	-525						
SEASON TOTAL							
DEPARTURE FROM NORMAL	-2675						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:				
12TH: NEW DAILY RECORD HIGH OF 60°F; PREVIOUS RECORD OF 59°F SET IN 1938				
18TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME IN CAN				
21ST: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM MELTED RIME AND FOG				

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
				#DIV/0!

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.