

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	12	
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	5	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)	90	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	8	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	220 (SW)	0	0	10	126	
23	34	18	26	29	-3	39	0	0.00	0.0	T	20.6	47	290 (W)	535	82	8	126	
24	24	14	19	28	-9	46	0	0.00	0.0	T	46.4	81	290 (W)	380	59	8	126	
25	40	24	32	28	4	33	0	0.38	3.6	2	22.1	46	170 (S)	0	0	10	1246	
26	41	33	37	28	9	28	0	1.02	0.0	T	48.9	83	100(E)	0	0	10	12	
27	39	30	35	27	8	30	0	0.39	0.0	0	55.8	85	060 (NE)	85	13	10	12	
28	37	33	35	27	8	30	0	0.00	0.0	0	23.3	40	090 (E)	635	100	5		
29	39	30	35	26	9	30	0	0.00	0.0	0	24.8	39	120 (SE)	633	100	0		
30	39	29	34	26	8	31	0	1.74	T	0	42.9	92	110 (E)	0	0	10	1246	
31	41	32	37	26	11	28	0	3.27	T	0	49.4	89	110 (E)	0	0	10	124	
SUM	1338	1045	----	----	----	815	0	12.60	10.7	----	874.1	----	----	7983	----	260	----	
AVG	43.2	33.7	----	----	----	----	----	----	----	----	28.2	FASTEST	DIR	POSS	38%	8.4	----	
											MISC. ->	92	110 (E)	20805			----	

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

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.			
0600	1200	1800	0000	MONTH
85	83	84	81	83

THERE WERE 262 HOURS OF PREVAILING WINDS FROM THE W, 35% OF THE TOTAL HOURS OF THE MONTH.