

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER				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 MILE SPEED	DIR	TOTAL	% POSS		
1	47	38	43	47	-4	22	0	0.00	0.0	0	27.2	59	310 (NW)	160	20	10	12
2	42	37	40	47	-7	25	0	1.07	0.0	0	26.1	65	340 (N)	32	4	10	12
3	43	35	39	47	-8	26	0	0.70	0.0	0	33.9	79	290 (W)	0	0	10	12
4	49	36	43	47	-4	22	0	0.02	0.0	0	35.0	77	320 (NW)	635	80	8	12
5	49	41	45	46	-1	20	0	0.22	0.0	0	26.8	57	240 (SW)	115	14	10	12
6	50	38	44	46	-2	21	0	0.45	0.0	0	41.6	92	290 (W)	235	30	9	12
7	43	39	41	46	-5	24	0	0.02	0.0	0	42.2	81	290 (W)	0	0	10	12
8	53	42	48	46	2	17	0	0.40	0.0	0	34.3	64	240 (SW)	30	4	10	12
9	50	44	47	45	2	18	0	0.32	0.0	0	21.0	53	240 (SW)	10	1	10	12
10	45	34	40	45	-5	25	0	0.57	0.0	0	42.0	89	300 (NW)	0	0	10	12
11	44	34	39	45	-6	26	0	0.00	0.0	0	43.9	69	300 (NW)	260	34	10	12
12	50	41	46	45	1	19	0	0.00	0.0	0	56.5	93	280 (W)	20	3	10	12
13	41	37	39	44	-5	26	0	T	0.0	0	49.5	71	300 (NW)	125	16	10	12
14	50	35	43	44	-1	22	0	T	0.0	0	28.7	56	240 (SW)	545	71	9	12
15	55	45	50	44	6	15	0	1.31	0.0	0	46.3	72	250 (W)	0	0	10	123
16	52	40	46	43	3	19	0	0.02	0.0	0	16.0	46	280 (W)	510	67	8	12
17	54	44	49	43	6	16	0	T	0.0	0	21.3	37	240 (SW)	135	18	10	12
18	56	43	50	43	7	15	0	0.11	0.0	0	22.0	50	320 (NW)	382	51	8	12
19	48	39	44	42	2	21	0	0.00	0.0	0	14.0	41	360 (N)	753	100	3	
20	55	42	49	42	7	16	0	0.00	0.0	0	11.8	24	220 (SW)	727	97	4	
21	54	43	49	42	7	16	0	0.00	0.0	0	23.8	43	220 (SW)	710	95	6	12
22	53	43	48	41	7	17	0	0.45	0.0	0	33.8	60	230 (SW)	0	0	10	12
23	52	48	50	41	9	15	0	0.72	0.0	0	40.8	68	170 (S)	0	0	10	12
24	55	44	50	40	10	15	0	3.42	0.0	0	42.6	80	150 (SE)	15	2	10	12
25	52	42	47	40	7	18	0	0.00	0.0	0	17.7	40	230 (SW)	711	97	5	
26	45	34	40	40	0	25	0	0.00	0.0	0	39.6	77	290 (W)	65	9	10	12
27	44	32	38	39	-1	27	0	0.27	0.0	0	48.4	73	270 (W)	0	0	10	126
28	44	27	36	39	-3	29	0	0.00	0.0	0	24.5	62	290 (W)	105	14	10	126
29	32	26	29	38	-9	36	0	0.19	0.8	0	19.9	38	300 (NW)	140	19	9	1246
30	31	27	29	38	-9	36	0	0.21	1.1	1	28.0	51	320 (NW)	0	0	10	1246
SUM	1438	1150	----	----	----	649	0	10.47	1.9	----	959.2	----	----	6420	----	269	----
AVG	47.9	38.3	----	----	----	----	----	----	----	----	32.0	FASTEST	DIR	POSS			
											MISC. ->	93	280 (W)	22883	28%	9.0	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	43.1	TOTAL FOR THE MONTH	10.47	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.0	DEPARTURE FROM NORMAL	2.81			2 = FOG REDUCING VISIBILITY	
HIGHEST	56 on 18th	24 HOUR MAX	3.75 on 23rd/24th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	26 on 29th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	1.9	WITH .01" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	2	24 HOUR MAX	1.6 on 29th/30th	WITH .10" OR MORE PRECIP	15	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 30th	WITH .50" OR MORE PRECIP	6	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	4			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.557 on 17th				
		LOWEST SEA-LEVEL	29.817 on 2nd				
TOTAL THIS MONTH	649	AVG STATION	23.876				
DEPARTURE FROM NORMAL	-8						
SEASON TOTAL	1521						
DEPARTURE FROM NORMAL	-109						

NOTES:

2ND: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EVAPORATION PRIOR TO COLLECTION.

4TH, 13TH, 14TH, 27TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE MOISTURE IN CAN FROM FOG.

29TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
86	87	84	86	86

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE **205** HOURS OF PREVAILING WINDS FROM THE W, **28%** OF THE TOTAL HOURS OF THE MONTH.