

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER					YEAR 2020				
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	40	44	46	-2	21	0	0.00	0.0	0	19.8	44	250 (W)	20	2	10	12		
2	55	43	49	46	3	16	0	0.54	0.0	0	38.0	71	240 (SW)	12	1	10	12		
3	58	46	52	46	6	13	0	0.16	0.0	0	26.3	71	260 (W)	476	60	9	12		
4	49	38	44	46	-2	21	0	0.00	0.0	0	48.1	82	250 (W)	392	49	9	12		
5	44	34	39	45	-6	26	0	T	0.0	0	40.4	68	280 (W)	190	24	9	12		
6	45	36	41	45	-4	24	0	0.00	0.0	0	28.0	56	270 (W)	471	59	9	12		
7	50	41	46	45	1	19	0	0.06	0.0	0	37.1	65	160 (S)	70	9	10	12		
8	57	46	52	44	8	13	0	0.00	0.0	0	27.1	56	270 (W)	65	8	10	12		
9	63	53	58	44	14	7	0	0.00	0.0	0	23.6	41	260 (W)	668	85	6	12		
10	59	47	53	44	9	12	0	0.04	0.0	0	34.1	60	250 (W)	263	34	8	12		
11	47	36	42	44	-2	23	0	0.03	0.0	0	24.0	60	280 (W)	699	90	4	12		
12	49	37	43	43	0	22	0	0.00	0.0	0	12.5	37	230 (SW)	774	100	5			
13	53	41	47	43	4	18	0	0.07	0.0	0	39.7	81	270 (W)	520	67	6	12		
14	47	27	37	42	-5	28	0	0.13	0.0	0	52.2	85	290 (W)	0	0	10	126		
15	43	30	37	42	-5	28	0	0.00	0.0	0	27.0	46	320 (NW)	660	86	10	8*		
16	55	42	49	42	7	16	0	0.00	0.0	0	45.6	78	240 (SW)	735	97	10	8*		
17	45	37	41	41	0	24	0	0.00	0.0	0	31.4	69	280 (W)	0	0	10	128*		
18	39	21	30	41	-11	35	0	0.01	0.0	0	20.4	51	350 (N)	602	80	6	126		
19	29	20	25	41	-16	40	0	0.00	0.0	0	31.6	59	280 (W)	753	100	5			
20	33	20	27	40	-13	38	0	0.00	0.0	0	17.6	46	340 (N)	743	99	6			
21	41	27	34	40	-6	31	0	0.00	0.0	0	8.3	18	250 (W)	746	100	6			
22	47	32	40	39	1	25	0	0.00	0.0	0	33.4	81	330 (NW)	180	24	10	12		
23	44	33	39	39	0	26	0	0.09	0.0	0	57.4	89	330 (NW)	0	0	10	12		
24	45	38	42	39	3	23	0	0.03	0.0	0	39.0	78	290 (W)	0	0	10	12		
25	48	41	45	38	7	20	0	0.00	0.0	0	25.7	48	260 (W)	20	3	10	12		
26	55	45	50	38	12	15	0	0.01	0.0	0	25.7	49	250 (W)	717	98	5	12		
27	55	48	52	37	15	13	0	0.02	0.0	0	37.4	63	240 (SW)	180	25	10	12		
28	54	47	51	37	14	14	0	0.09	0.0	0	36.6	66	180 (S)	20	3	10	12		
29	53	47	50	36	14	15	0	0.50	0.0	0	32.8	75	190 (S)	151	21	9	12		
30	55	34	45	36	9	20	0	2.11	0.0	0	53.8	114	180 (S)	0	0	10	12		
SUM	1464	1127	----	----	----	646	0	3.89	0.0	----	974.6	----	----	10127	----	252	----		
AVG	48.8	37.6	----	----	----	----	----	----	----	----	32.5	FASTEST	DIR	POSS					
											MISC. ->	114	180 (S)	22883	44%	8.4	----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	43.2	TOTAL FOR THE MONTH	3.89	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.6	DEPARTURE FROM NORMAL	-4.14			2 = FOG REDUCING VISIBILITY	
HIGHEST	63 on 9th	24 HOUR MAX	2.53 on 29th/30th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	20 on 19th, 20th			PARTLY CLOUDY (SCALE 4-7)	9	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	15	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	0.0 on N/A	WITH .10" OR MORE PRECIP	5	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	7			WITH 1.0" OR MORE PRECIP	1	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
		HIGHEST SEA-LEVEL	30.737 on 21st			X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.475 on 30th				
TOTAL THIS MONTH	646	AVG STATION	23.938				
DEPARTURE FROM NORMAL	-56						
SEASON TOTAL	1501						
DEPARTURE FROM NORMAL	-218						

NOTES:

15TH, 16TH, 17TH: HAZE ALOFT DUE TO DISTANT WILDFIRES

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
77	74	78	80	77

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 299 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.