

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				YEAR 2022			
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	43	31	37	47	-10	28	0	0.09	0.0	0	52.3	74	290 (W)	0	0	10	126	
2	51	32	42	47	-5	23	0	0.00	0.0	0	23.3	59	310 (NW)	792	99	1	126	
3	56	49	53	47	6	12	0	0.00	0.0	0	13.5	41	280 (W)	691	86	8	128*	
4	59	50	55	47	8	10	0	0.00	0.0	0	15.4	37	280 (W)	165	21	10	12	
5	53	48	51	46	5	14	0	1.12	0.0	0	9.3	25	210 (SW)	0	0	10	12	
6	51	46	49	46	3	16	0	0.88	0.0	0	7.6	19	120 (SE)	50	6	10	12	
7	53	44	49	46	3	16	0	0.00	0.0	0	9.8	20	090 (E)	605	77	5	12	
8	53	43	48	46	2	17	0	0.00	0.0	0	8.4	22	360 (N)	360	46	8	12	
9	57	45	51	45	6	14	0	0.00	0.0	0	13.0	28	280 (W)	622	80	6	128*	
10	60	49	55	45	10	10	0	0.00	0.0	0	10.7	27	300 (NW)	580	74	6	128*	
11	60	50	55	45	10	10	0	0.00	0.0	0	7.2	23	260 (W)	5	1	10	12	
12	54	49	52	45	7	13	0	0.01	0.0	0	5.3	15	250 (W)	30	4	10	12	
13	52	46	49	44	5	16	0	0.28	0.0	0	21.8	66	170 (S)	20	3	10	12	
14	48	35	42	44	-2	23	0	1.21	0.0	0	58.4	93	290 (W)	0	0	10	12	
15	35	27	31	44	-13	34	0	0.00	0.0	0	60.1	90	310 (NW)	165	22	10	126	
16	33	27	30	43	-13	35	0	0.00	0.0	0	49.8	78	300 (NW)	65	9	10	126	
17	45	30	38	43	-5	27	0	0.00	0.0	0	26.0	51	280 (W)	725	96	6	12	
18	50	44	47	43	4	18	0	2.02	0.0	0	45.7	75	270 (W)	0	0	10	12	
19	48	42	45	42	3	20	0	2.65	0.0	0	25.3	48	270 (W)	0	0	10	12	
20	45	40	43	42	1	22	0	0.69	0.0	0	23.5	38	260 (W)	5	1	10	12	
21	52	38	45	42	3	20	0	0.00	0.0	0	30.4	49	270 (W)	720	97	4	12	
22	52	28	40	41	-1	25	0	1.54	0.4	0	45.0	90	340 (N)	0	0	10	1246	
23	28	22	25	41	-16	40	0	0.30	0.7	1	53.6	116	330 (NW)	10	1	10	1246	
24	35	21	28	40	-12	37	0	0.00	0.0	1	66.8	108	320 (NW)	135	18	10	126	
25	41	33	37	40	-3	28	0	0.10	0.0	1	27.8	56	230 (SW)	150	20	9	12	
26	42	34	38	40	-2	27	0	0.23	T	0	36.0	65	280 (W)	40	5	10	125	
27	40	33	37	39	-2	28	0	0.01	0.0	0	33.4	57	250 (W)	355	49	9	12	
28	40	33	37	39	-2	28	0	0.32	T	0	29.2	69	320 (NW)	0	0	10	124	
29	43	27	35	38	-3	30	0	0.00	0.0	0	23.7	53	290 (W)	456	63	5	12	
30	50	41	46	38	8	19	0	0.00	0.0	0	6.5	14	340 (N)	719	100	6		
SUM	1429	1137	----	----	----	660	0	11.45	1.1	----	838.8	----	----	7465	----	253	----	
AVG	47.6	37.9	----	----	----	----	----	----	----	----	28.0	FASTEST	DIR	POSS				
											MISC. ->	116	330 (NW)	22883	33%	8.4	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	42.8	TOTAL FOR THE MONTH	11.45	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.3	DEPARTURE FROM NORMAL	3.79			2 = FOG REDUCING VISIBILITY	
HIGHEST	60 on 10th, 11th	24 HOUR MAX	3.21 on 19th, 20th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	21 on 24th			PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	1.1	WITH .01" OR MORE PRECIP	15	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	1.1 on 22nd, 23rd	WITH .10" OR MORE PRECIP	12	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 24th*	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	9			WITH 1.0" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.356 on 29th			X = TORNADO	
		LOWEST SEA-LEVEL	29.542 on 22nd				
TOTAL THIS MONTH	660	AVG STATION	23.862				
DEPARTURE FROM NORMAL	3						
SEASON TOTAL	1522						
DEPARTURE FROM NORMAL	-108						
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 1 INCH OCCURRED AT 18Z ON THE 24th, THE LAST OF SEVERAL OCCURENCES.				
3RD: SMOKE ALOFT CAUSED BY LACK OF WINDS RESULTING IN COG SMOKE FORMING A LAYER				
9TH, 10TH: HAZE ALOFT DUE TO DISTANT WILDFIRES				
10TH: DAILY AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR 2 HOURS DUE TO ANEMOMETER HAVING DIFFICULTIES IN LOW WINDS				
11TH: DAILY AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR 6 HOURS DUE TO ANEMOMETER HAVING DIFFICULTIES IN LOW WINDS				
12TH: DAILY AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR 3 HOURS DUE TO ANEMOMETER HAVING DIFFICULTIES IN LOW WINDS				
14TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNT IN CAN FROM WET FOG				
22ND: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION				
23RD: SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO SNOW AND SLEET BEING ENCASED IN GLAZE ICE.				
26TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION; FELL ENTIRELY AS SMALL HAIL				
28TH: SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO MELTING PRIOR TO COLLECTION				

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
87	87	90	89	88

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 242 HOURS OF PREVAILING WINDS FROM THE W, 34% OF THE TOTAL HOURS OF THE MONTH.