

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER				YEAR 2023			
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	DIR	TOTAL	% POSS		
1	52	35	44	47	-3	21	0	0.00	0.0	0	16.2	51	360 (N)	793	98	5	
2	58	47	53	47	6	12	0	0.00	0.0	0	28.9	58	280 (W)	677	84	8	1
3	62	46	54	47	7	11	0	0.00	0.0	0	25.1	50	270 (W)	214	27	9	12
4	64	51	58	47	11	7	0	0.00	0.0	0	13.3	34	350 (N)	681	85	4	12
5	65	56	61	46	15	4	0	0.00	0.0	0	12.3	29	350 (N)	425	54	5	12
6	62	54	58	46	12	7	0	0.00	0.0	0	20.8	45	300 (NW)	257	32	9	12
7	65	51	58	46	12	7	0	0.06	0.0	0	23.8	88	250 (W)	505	64	9	123
8	61	53	57	46	11	8	0	0.30	0.0	0	33.9	70	250 (W)	175	22	10	123
9	58	51	55	45	10	10	0	0.09	0.0	0	25.2	56	250 (W)	430	55	9	12
10	54	48	51	45	6	14	0	0.59	0.0	0	18.1	38	240 (SW)	0	0	10	12
11	54	49	52	45	7	13	0	1.69	0.0	0	10.6	35	240 (SW)	0	0	10	12
12	54	49	52	45	7	13	0	0.54	0.0	0	10.3	26	250 (W)	0	0	10	12
13	50	45	48	44	4	17	0	0.76	0.0	0	18.6	49	270 (W)	0	0	10	12
14	46	34	40	44	-4	25	0	T	0.0	0	27.7	55	290 (W)	393	51	6	12
15	43	36	40	44	-4	25	0	0.00	0.0	0	33.8	61	040 (NE)	440	58	9	12
16	42	36	39	43	-4	26	0	0.07	0.0	0	61.9	96	360 (N)	12	2	10	12
17	54	36	45	43	2	20	0	T	0.0	0	27.8	77	310 (NW)	663	87	6	12
18	48	40	44	43	1	21	0	1.78	0.0	0	22.1	54	160 (S)	0	0	10	12
19	44	38	41	42	-1	24	0	2.93	0.0	0	55.0	101	290 (W)	0	0	10	12
20	42	36	39	42	-3	26	0	0.14	0.0	0	34.4	89	290 (W)	100	13	9	12
21	45	36	41	42	-1	24	0	0.00	0.0	0	13.0	31	350 (N)	540	72	8	12
22	48	39	44	41	3	21	0	0.00	0.0	0	7.3	17	120 (SE)	429	58	5	12
23	51	42	47	41	6	18	0	0.00	0.0	0	14.1	36	090 (E)	495	67	9	12
24	50	41	46	40	6	19	0	0.01	0.0	0	14.8	33	110 (E)	0	0	10	12
25	43	31	37	40	-3	28	0	0.00	0.0	0	21.8	43	090 (E)	70	10	9	12
26	45	30	38	40	-2	27	0	0.00	0.0	0	23.9	46	110 (E)	695	95	8	126
27	49	38	44	39	5	21	0	0.00	0.0	0	16.6	36	080 (E)	708	97	9	12
28	51	41	46	39	7	19	0	0.00	0.0	0	10.8	25	100 (E)	440	61	9	8
29	54	44	49	38	11	16	0	0.04	0.0	0	7.5	18	140 (SE)	321	44	10	8
30	52	45	49	38	11	16	0	T	0.0	0	15.5	32	040 (NE)	595	83	8	12
SUM	1566	1278	----	----	----	520	0	9.00	0.0	----	665.1	----	----	10058	----	253	----
AVG	52.2	42.6	----	----	----	----	----	----	----	----	22.2	FASTEST	DIR	POSS			
											MISC. ->	101	290 (W)	22883	44%	8.4	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	47.4	TOTAL FOR THE MONTH	9.00	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.3	DEPARTURE FROM NORMAL	1.34			2 = FOG REDUCING VISIBILITY	
HIGHEST	65 on 5th, 7th	24 HOUR MAX	3.57 on 18th/19th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	30 on 26th			PARTLY CLOUDY (SCALE 4-7)	6	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	13	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.0 on N/A	WITH .10" OR MORE PRECIP	8	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	2			WITH 1.0" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.608 on 22nd				
		LOWEST SEA-LEVEL	29.744 on 19th				
TOTAL THIS MONTH	520	AVG STATION	23.983				
DEPARTURE FROM NORMAL	-137						
SEASON TOTAL	1474						
DEPARTURE FROM NORMAL	-156						

NOTES:

7TH: NEW DAILY RECORD HIGH OF 65°F; PREVIOUS RECORD OF 64°F ORIGINALLY SET IN 2001 AND EQUALED IN 2007

16TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT CAUSED BY HIGH WINDS

24TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EVAPORATION PRIOR TO COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
69	67	76	77	72

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 140 HOURS OF PREVAILING WINDS FROM THE W, 19% OF THE TOTAL HOURS OF THE MONTH.