

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER				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.	
							DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL % POSS				
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR	TOTAL	% POSS			
1	52	42	47	37	10	18	0	0.00	0.0	0	21.2	42	360 (N)	576	80	4	12	
2	54	39	47	37	10	18	0	0.00	0.0	0	17.5	38	290 (W)	714	100	3	12	
3	58	45	52	37	15	13	0	0.00	0.0	0	35.9	55	320 (NW)	580	82	6	12	
4	61	52	57	36	21	8	0	0.00	0.0	0	14.3	29	180 (S)	707	100	3		
5	58	48	53	36	17	12	0	0.00	0.0	0	27.9	50	180 (S)	664	94	6		
6	48	45	47	35	12	18	0	0.28	0.0	0	35.3	57	150 (SE)	85	12	10	12	
7	47	42	45	35	10	20	0	2.00	0.0	0	41.6	82	120 (SE)	0	0	10	12	
8	45	27	36	34	2	29	0	0.30	0.3	0	32.2	70	270 (W)	0	0	10	12469	
9	31	26	29	34	-5	36	0	0.01	0.1	T	23.8	45	220 (SW)	305	44	9	126	
10	29	25	27	34	-7	38	0	0.03	0.2	T	22.4	47	240 (SW)	80	12	9	1246	
11	30	27	29	33	-4	36	0	0.02	0.2	T	27.3	58	220 (SW)	0	0	10	126	
12	33	23	28	33	-5	37	0	0.04	0.1	T	34.0	60	300 (NW)	13	2	10	126	
13	30	23	27	32	-5	38	0	0.38	0.7	T	48.0	82	340 (N)	0	0	10	12469	
14	31	26	29	32	-3	36	0	0.04	0.1	1	33.8	62	340 (N)	45	7	10	12469	
15	32	26	29	32	-3	36	0	0.10	0.2	1	29.1	50	310 (NW)	32	5	10	12469	
16	31	28	30	31	-1	35	0	1.10	4.2	3	28.6	51	360 (N)	0	0	10	12469	
17	34	29	32	31	1	33	0	0.08	0.2	4	13.7	33	280 (W)	191	29	10	1246	
18	31	27	29	30	-1	36	0	0.06	0.3	4	21.3	42	250 (W)	12	2	10	1246	
19	35	28	32	30	2	33	0	0.00	0.0	4	30.7	49	240 (SW)	26	4	10	126	
20	39	33	36	30	6	29	0	0.65	0.0	3	36.2	64	160 (S)	0	0	10	12	
21	40	35	38	29	9	27	0	2.94	0.0	1	28.8	72	290 (W)	0	0	10	12	
22	35	23	29	29	0	36	0	1.23	5.1	T	33.0	65	270 (W)	0	0	10	12469	
23	33	25	29	29	0	36	0	T	T	5	32.3	57	310 (NW)	60	9	9	1269	
24	39	28	34	28	6	31	0	0.07	0.0	4	37.3	61	270 (W)	95	15	9		
25	46	38	42	28	14	23	0	0.10	0.0	1	52.5	77	280 (W)	0	0	10	12	
26	46	40	43	28	15	22	0	0.06	0.0	0	32.5	63	280 (W)	10	2	10	12	
27	47	42	45	27	18	20	0	0.04	0.0	0	41.3	67	260 (W)	98	15	9	12	
28	48	24	36	27	9	29	0	0.14	0.0	0	57.6	92	260 (W)	0	0	10	126	
29	30	23	27	26	1	38	0	0.11	0.6	0	30.0	68	270 (W)	5	1	10	12469	
30	31	15	23	26	-3	42	0	0.58	1.3	T	38.3	92	290 (W)	0	0	10	12469	
31	17	8	13	26	-13	52	0	0.00	0.0	1	31.8	95	290 (W)	459	73	6	1269	
SUM	1221	962	----	----	----	915	0	10.36	13.6	----	990.2	----	----	4757	----	273	----	
AVG	39.4	31.0	----	----	----	----	----	----	----	----	31.9	FASTEST	DIR	POSS	23%	8.8	----	
											MISC. ->	95	290 (W)	20805			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	35.2	TOTAL FOR THE MONTH	10.36	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.9	DEPARTURE FROM NORMAL	0.37			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 4th	24 HOUR MAX	3.26 on 21st/22nd	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	8 on 31st			PARTLY CLOUDY (SCALE 4-7)	4		
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25		
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	13.6	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	11	24 HOUR MAX	5.1 on 22nd	WITH .10" OR MORE PRECIP	13	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	5 on 23rd	WITH .50" OR MORE PRECIP	6	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	19			WITH 1.0" OR MORE PRECIP	4	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.442 on 4th				
		LOWEST SEA-LEVEL	29.206 on 21st				
TOTAL THIS MONTH	915	AVG STATION	23.743				
DEPARTURE FROM NORMAL	-130						
SEASON TOTAL	2389						
DEPARTURE FROM NORMAL	-286						

NOTES:					
4TH: NEW DAILY RECORD HIGH OF 61°F; PREVIOUS RECORD OF 59°F ORIGINALLY SET IN 2005					
8TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO ICE PELLETS AND SNOW GRAINS GETTING ENCASED IN GLAZE ICE FROM FREEZING RAIN					
13TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO SNOW GETTING ENCASED IN GLAZE ICE FROM FREEZING RAIN					
20TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO MOST OF THE PRECIPITATION SPILLING OUT OF THE CAN AS A RESULT OF OBSERVER TRIPPING OVER STANCHION ROPES					
23RD: FASTEST 2-MIN WIND DIRECTION ADJUSTED BY 20 DEGREES DUE TO THE FT TECH BEING MISALIGNED					
28TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE MOISTURE IN CAN FROM WET FOG					

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
0600	1200	1800	0000	MONTH	
85	88	86	88	87	

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 294 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.