

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH DECEMBER			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	DEGREE DAYS	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	COVER	WEATHER	
1	28	22	25	16	9	40	0	0.26	1.9	12	51.9	87	270 (W)	0	0	10	1269
2	28	23	26	16	10	39	0	0.01	0.1	12	32.6	48	270 (W)	0	0	10	126
3	28	16	22	15	7	43	0	0.93	13.1	12	24.1	50	130 (SE)	0	0	10	126
4	20	11	16	15	1	49	0	0.45	4.4	21	34.3	61	270 (W)	0	0	10	1269
5	12	8	10	15	-5	55	0	T	T	20	22.3	44	340 (N)	425	77	6	126
6	14	8	11	14	-3	54	0	T	T	20	8.7	17	320 (NW)	552	100	8	
7	14	4	9	14	-5	56	0	0.00	0.0	20	28.0	71	310 (NW)	551	100	8	1269
8	28	8	18	14	4	47	0	0.00	0.0	20	33.3	77	300 (NW)	532	97	5	1269
9	37	24	31	14	17	34	0	0.55	2.1	21	29.5	50	240 (SW)	105	19	9	126
10	40	34	37	13	24	28	0	0.88	0.0	17	41.9	86	220 (SW)	0	0	10	12
11	37	6	22	13	9	43	0	1.56	4.6	3	38.9	84	280 (W)	0	0	10	12469
12	16	2	9	13	-4	56	0	0.11	0.8	5	59.4	100	260 (W)	135	25	9	1269
13	15	-4	6	12	-6	59	0	0.34	3.3	5	60.0	96	280 (W)	0	0	10	1269
14	15	-7	4	12	-8	61	0	0.01	0.2	6	58.4	91	280 (W)	427	78	8	1269
15	26	15	21	12	9	44	0	0.00	0.0	6	75.8	116	290 (W)	271	50	8	1269
16	31	15	23	12	11	42	0	0.00	0.0	5	35.8	94	280 (W)	523	96	8	1269
17	35	23	29	11	18	36	0	0.63	0.1	5	52.0	85	160 (S)	0	0	10	1246
18	41	24	33	11	22	32	0	3.47	T	3	61.7	132	160 (S)	0	0	10	126
19	25	10	18	11	7	47	0	0.04	0.6	1	29.0	53	260 (W)	41	8	10	126
20	24	12	18	11	7	47	0	0.00	0.0	1	39.3	81	320 (NW)	534	98	3	126
21	15	0	8	11	-3	57	0	0.00	0.0	1	49.5	89	330 (NW)	543	100	3	12
22	23	8	16	10	6	49	0	0.00	0.0	1	18.8	35	330 (NW)	543	100	4	
23	28	23	26	10	16	39	0	0.01	0.1	T	18.9	32	260 (W)	40	7	10	126
24	27	23	25	10	15	40	0	0.05	0.3	1	22.2	38	270 (W)	11	2	10	126
25	29	25	27	10	17	38	0	T	T	1	31.9	58	290 (W)	92	17	9	1269
26	33	28	31	9	22	34	0	0.10	0.0	T	43.2	61	290 (W)	45	8	10	1269
27	35	32	34	9	25	31	0	0.62	0.0	T	29.9	53	280 (W)	0	0	10	12
28	35	31	33	9	24	32	0	0.36	0.2	T	20.0	38	130 (SE)	0	0	10	1246
29	36	24	30	9	21	35	0	0.22	T	T	18.5	34	260 (W)	80	15	10	1246
30	24	7	16	9	7	49	0	0.32	3.8	2	20.3	40	300 (NW)	6	1	10	126
31	20	8	14	8	6	51	0	0.00	0.0	3	24.0	40	300 (NW)	546	100	1	1
SUM	819	463	----	----	----	1367	0	10.92	35.6	----	1114.1	----	----	6002	----	259	----
AVG	26.4	14.9	----	----	----	----	----	----	----	----	35.9	FASTEST	DIR	POSS	35%	8.4	----
											MISC. ->	132	160 (S)	16968			----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	20.7	TOTAL FOR THE MONTH	10.92	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	8.9	DEPARTURE FROM NORM	3.57			2 = FOG REDUCING VISIBILITY	
HIGHEST	41 on 18th	24 HOUR MAX	3.97 on 17th/18th	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	-7 on 14th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:				WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	22	TOTAL FOR THE MONTH	35.6	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	15.6 on 3rd/4th	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	30	MAX DEPTH ON GROUND	21.0 on 4th, 9th	WITH 1.0" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	3					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.685 on 16th			X = TORNADO	
		LOWEST SEA-LEVEL	29.093 on 18th				
TOTAL THIS MONTH	1367	AVG STATION	23.679				
DEPARTURE FROM NORMAL	-282						
SEASON TOTAL	5194						
DEPARTURE FROM NORMAL	-458						

COOLING DEGREE DAYS (BASE 65°F)	
TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
78	77	82	82	79
(78.3)	(76.5)	(81.5)	(81.5)	(79.4)

NOTES:
11TH: SNOWFALL PARTIALLY ESTIMATED AT ONE COLLECTION DUE TO PARTIAL MELTING AND COMPACTING FROM RAIN IN CAN
17TH, 18TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION
18TH: NEW DAILY RECORD HIGH OF 41°F; PREVIOUS RECORD OF 40°F ORIGINALLY SET IN 2016.

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE HOURS 330 OF PREVAILING WINDS FROM THE W, 44% OF THE TOTAL HOURS OF THE MONTH.