

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											FEBRUARY				2023			
LATITUDE						LONGITUDE					GROUND ELEVATION (H)				STANDARD TIME			
44 DEGREES 16 MINUTES NORTH						71 DEGREES 18 MINUTES WEST					6280 FT				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		TOTAL	% POSS			
												SPEED	DIR					
1	-1	-7	-4	5	-9	69	0	0.00	0.0	24	28.0	65	280 (W)	467	78	8	126	
2	5	-5	0	5	-5	65	0	0.00	0.0	23	51.0	95	260 (W)	11	2	10	1269	
3	5	-46	-20	5	-25	85	0	0.21	1.4	24	87.0	127	270 (W)	190	31	10	1269	
4	-5	-47	-26	5	-31	91	0	0.00	0.0	23	73.7	118	320 (NW)	610	100	4	129	
5	20	-6	7	5	2	58	0	0.06	0.8	23	58.9	85	270 (W)	298	49	10	1269	
6	20	13	17	5	12	48	0	0.01	0.1	23	40.6	71	270 (W)	182	30	9	1269	
7	28	17	23	5	18	42	0	0.20	1.4	23	32.5	95	270 (W)	538	87	6	1269	
8	21	13	17	5	12	48	0	0.07	0.5	24	67.3	99	300 (NW)	0	0	10	1269	
9	32	13	23	5	18	42	0	0.12	0.6	23	45.5	90	220 (SW)	272	44	9	1269	
10	34	15	25	5	20	40	0	0.58	0.8	23	65.8	108	270 (W)	0	0	10	12469	
11	15	1	8	5	3	57	0	0.16	1.2	24	60.0	103	290 (W)	404	64	4	1269	
12	25	8	17	5	12	48	0	0.00	0.0	24	48.3	88	280 (W)	365	58	9	126	
13	29	15	22	5	17	43	0	0.01	0.2	24	18.9	41	270 (W)	520	82	6	126	
14	26	12	19	6	13	46	0	0.28	2.2	25	49.5	81	290 (W)	0	0	10	1269	
15	34	24	29	6	23	36	0	T	T	25	53.7	130	270 (W)	81	13	10	126	
16	33	23	28	6	22	37	0	0.02	0.1	24	59.6	127	270 (W)	335	52	10	126	
17	38	-5	17	6	11	48	0	0.28	0.3	23	58.0	111	250 (W)	0	0	10	123469	
18	10	-4	3	6	-3	62	0	0.01	0.3	23	46.3	85	290 (W)	606	93	6	1269	
19	23	7	15	6	9	50	0	0.01	0.2	23	43.7	85	260 (W)	431	66	10	1269	
20	23	7	15	7	8	50	0	0.12	1.5	23	51.4	90	290 (W)	29	4	10	1269	
21	17	8	13	7	6	52	0	0.08	0.8	24	32.0	73	270 (W)	465	71	8	1269	
22	20	0	10	7	3	55	0	0.15	1.5	24	50.1	88	280 (W)	335	51	9	1269	
23	20	12	16	7	9	49	0	0.52	4.8	25	34.6	91	260 (W)	0	0	10	1269	
24	17	-19	-1	8	-9	66	0	0.17	1.2	28	62.5	96	280 (W)	0	0	10	1269	
25	-4	-20	-12	8	-20	77	0	0.04	0.5	27	41.1	70	310 (NW)	217	32	9	1269	
26	5	-9	-2	8	-10	67	0	0.16	2.0	27	42.5	81	300 (NW)	60	9	10	1269	
27	6	-5	1	8	-7	64	0	0.03	0.3	27	29.3	77	330 (NW)	430	64	8	1269	
28	12	-2	5	8	-3	60	0	0.84	9.5	28	35.1	66	280 (W)	0	0	10	1269	
SUM	508	13	----	----	----	1555	0	4.13	32.2	----	1366.9	----	----	6846	----	245	----	
AVG	18.1	0.5	----	----	----	----	----	----	----	----	48.8	FASTEST	DIR	POSS	38%	8.8	----	
											MISC. ->	130	270 (W)	17905			----	

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	9.3	TOTAL FOR THE MONTH	4.13	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.4	DEPARTURE FROM NORMAL	-1.32			2 = FOG REDUCING VISIBILITY	
HIGHEST	38 on 17th	24 HOUR MAX	0.84 on 28th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	-47 on 4th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	32.2	WITH .01" OR MORE PRECIP	23	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	24	24 HOUR MAX	9.5 on 28th	WITH .10" OR MORE PRECIP	13	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	28 on 24th, 28th	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	28			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	13	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	29.412 on 3rd				
		LOWEST SEA-LEVEL	30.434 on 9th				
TOTAL THIS MONTH	1555	AVG STATION	23.480				
DEPARTURE FROM NORMAL	-100						
SEASON TOTAL	8224						
DEPARTURE FROM NORMAL	-917						
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 33 INCHES OCCURRED AT 1847Z ON THE 28TH
3RD: NEW DAILY RECORD LOW OF -46°F; PREVIOUS RECORD OF -32°F ORIGINALLY SET IN 1963
3RD: MONTHLY RECORD LOW OF -46°F EQUALED; RECORD ORIGINALLY SET ON 15 FEBRUARY 1943
4TH: NEW DAILY RECORD LOW OF -47°F; PREVIOUS RECORD OF -35°F ORIGINALLY SET IN 1963.
4TH: NEW MONTHLY RECORD LOW OF -47°F; PREVIOUS MONTHLY RECORD OF -46°F ORIGINALLY SET ON 15 FEBRUARY 1943 AND EQUALED ON 3 FEBRUARY 2023
4TH: ALL TIME RECORD LOW OF -47°F EQUALED; RECORD ORIGINALLY SET ON 29 JANUARY 1934.
5TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME AND BLOWING SNOW IN CAN
10TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING AND REFREEZING PRIOR TO COLLECTION
17TH: NEW DAILY RECORD HIGH OF 38°F; PREVIOUS RECORD OF 34°F SET IN 2006 AND EQUALED IN 2022.
19TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME DEBRIS IN CAN; SNOWFALL REPRESENTS MEASUREMENTS TAKEN AROUND DEBRIS.

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
76	76	87	89	82

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 363 HOURS OF PREVAILING WINDS FROM THE W, 54% OF THE TOTAL HOURS OF THE MONTH.