WS FORM F-6

PRELIMINARY LOCAL CLIMATOLOGICAL DATA

STATION: MOUNT WASHINGTON OBSERVATORY

MONTH: MAY | YEAR: 2021

LATITUDE: 44 DEGREES 16 MINUTES NORTH | LONGITUDE: 71 DEGREES 18 MINUTES WEST | GROUND ELEVATION (H): 6280 FT | STANDARD TIME: EASTERN

	TEMPERATURE (°F)					DEGREE DAYS		PRECIPITATION (IN.)			WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER	WEATHER
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE SPEED	FASTEST MILE DIR	TOTAL	% POSS	(TENTHS)	OCCUR.
1	24	16	20	30	-10	45	0	**0.47**	**3.2**	9	58.3	87	310 (NW)	115	13	9	1269
2	34	18	26	30	-4	39	0	0.03	0.4	8	62.2	94	280 (W)	285	33	9	1269
3	37	24	31	31	0	34	0	0.01	T	7	36.6	80	310 (NW)	70	8	10	126
4	42	35	39	**32**	**7**	26	0	**0.03**	**0.0**	7	11.9	28	200 (S)	0	0	10	12
5	45	30	38	32	6	27	0	0.61	0.3	5	25.5	50	300 (NW)	0	0	10	1246
6	30	21	26	33	-7	39	0	0.17	0.1	4	53.6	94	300 (NW)	331	38	9	1246
7	33	19	26	33	-7	39	0	0.00	0.0	4	11.8	35	110 (E)	608	69	6	
8	32	21	27	34	-7	38	0	T	T	4	20.3	50	310 (NW)	150	17	10	1246
9	33	21	27	34	-7	38	0	T	T	4	34.4	73	300 (NW)	174	20	10	126
10	36	25	31	34	-3	34	0	0.02	0.4	4	11.5	29	300 (NW)	350	39	9	
11	29	21	25	35	-10	40	0	0.59	4.8	4	32.6	66	280 (W)	70	8	10	1269
12	28	21	25	35	-10	40	0	**0.46**	1.8	6	36.5	66	350 (N)	50	6	10	1269
13	37	25	31	36	-5	34	0	0.00	0.0	7	31.8	67	310 (NW)	705	79	8	
14	41	28	35	36	-1	30	0	0.09	**0.4**	6	36.6	70	290 (W)	450	50	6	12
15	49	34	42	36	6	23	0	T	**T**	4	19.6	55	310 (NW)	698	78	8	
16	46	35	41	37	4	24	0	0.01	**T**	2	13.4	36	330 (NW)	680	75	9	4
17	48	35	42	37	5	23	0	0.12	**0.3**	1	9.3	32	270 (W)	405	45	6	345
18	46	37	42	37	5	23	0	T	0.0	0	40.0	68	300 (NW)	350	39	10	
19	51	39	45	38	7	20	0	0.00	0.0	0	31.6	66	350 (N)	760	84	8	
20	57	45	51	38	13	14	0	T	0.0	0	14.9	35	280 (W)	818	90	8	
21	**61**	50	56	38	18	9	0	T	0.0	0	21.0	38	280 (W)	235	26	10	
22	54	49	52	39	13	13	0	0.04	0.0	0	40.7	70	300 (NW)	25	3	10	12
23	51	26	39	39	0	26	0	**0.57**	0.0	0	45.8	82	290 (W)	0	0	10	12
24	43	26	35	39	-4	30	0	0.00	0.0	0	20.8	53	270 (W)	902	98	5	
25	52	36	44	40	4	21	0	T	0.0	0	45.0	67	270 (W)	397	43	9	12
26	60	48	54	40	14	11	0	0.17	0.0	0	52.9	81	260 (W)	315	34	9	12
27	49	20	35	40	-5	30	0	0.15	0.0	0	49.5	87	270 (W)	283	31	10	126
28	34	20	27	41	-14	38	0	0.00	0.0	0	23.3	53	320 (NW)	205	22	10	1
29	32	20	26	41	-15	39	0	T	0.1	T	21.6	44	090 (E)	135	15	10	126
30	45	26	36	41	-5	29	0	0.40	**T**	0	29.7	57	140 (SE)	6	1	10	126
31	49	32	41	41	0	24	0	0.27	0.0	0	28.2	93	350 (N)	110	12	10	12
SUM	1308	903	----	----	----	900	0	4.21	11.8	----	970.9	----	----	9682	----	278	----
AVG	42.2	29.1	----	----	----	----	----	----	----	----	31.3	FASTEST	DIR	POSS	35%	9.0	----
											MISC. ->	94	300 (NW)*	27878			----

TEMPERATURE DATA (°F)

AVERAGE MONTHLY	35.7	
DEPARTURE FROM NORMAL	-0.6	
HIGHEST	61	on 21st
LOWEST	16	on 1st

NUMBER OF DAYS WITH:

MAX. 32 OR BELOW	6
MAX. 90 OR ABOVE	0
MIN. 32 OR BELOW	20
MIN. 0 OR BELOW	0

HEATING DEGREE DAYS (BASE 65°F)

TOTAL THIS MONTH	900
DEPARTURE FROM NORMAL	12
SEASON TOTAL	12216
DEPARTURE FROM NORMAL	-868

COOLING DEGREE DAYS (BASE 65F)

TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

PRECIPITATION DATA (IN.)

TOTAL FOR THE MONTH	4.21	
DEPARTURE FROM NORMAL	-3.47	
24 HOUR MAX	0.63	on 5th/6th

SNOWFALL, ICE PELLETS (IN.)

TOTAL FOR THE MONTH	11.8	
24 HOUR MAX	4.8	on 11th
MAX DEPTH ON GROUND	9	on 1st

PRESSURE DATA (IN.)

HIGHEST SEA-LEVEL	30.667	on 20th
LOWEST SEA-LEVEL	29.488	on 1at
AVG STATION	23.836	

WEATHER

NUMBER OF DAYS:

CLEAR (SCALE 0-3)	0
PARTLY CLOUDY (SCALE 4-7)	4
CLOUDY (SCALE 8-10)	27
WITH .01" OR MORE PRECIP	18
WITH .10" OR MORE PRECIP	11
WITH .50" OR MORE PRECIP	3
WITH 1.0" OR MORE PRECIP	0

SYMBOLS USED IN COLUMN 16

1 = FOG
2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
3 = THUNDER
4 = ICE PELLETS
5 = HAIL
6 = GLAZE OR RIME
7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS
8 = SMOKE OR HAZE
9 = BLOWING SNOW
X = TORNADO

NOTES: GREATEST SINGLE MEASUREMENT SNOW DEPTH OF 9.3 INCHES OCCURRED AT 18Z ON THE 1ST.

1ST: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN DUE TO BLOWING SNOW

4TH: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO OBSERVER ERROR DURING MEASUREMENT

4TH: 1991-2020 CLIMATE NORMALS RELEASED FROM NCEI; DAILY AND MONTHLY NORMALS FROM THIS DATE FORWARD REFLECT THIS UPDATED DATASET

THIS F-6 UTILIZES THE UPDATED CLIMATE DATA HOWEVER, IF COMPARING DATA TO THE LCD RELEASED BY NCEI, THAT FORM UTILIZES 1981-2010

12TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO SUSPECTED TAMPERING

14TH, 15TH, 16TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION

17TH: SNOWFALL PARTIALLY FELL AS HAIL; MEASUREMENT MADE SHORTLY AFTER FALLING PRIOR TO MELTING

21ST: DAILY RECORD HIGH OF 61°F EQUALED; RECORD ORIGINALLY SET IN 2009.

23RD: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREASONABLY HIGH AMOUNTS IN CAN FROM DENSE FOG RAPIDLY CONDENSING ON SIDES OF CAN

30TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING SHORTLY AFTER HITTING SURFACES.

* FASTEST MONTHLY WIND DIRECTION LAST OF SEVERAL OCCURRENCES

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
82	81	85	86	84

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE **285** HOURS OF PREVAILING WINDS FROM THE **NW**, **38%** OF THE TOTAL HOURS OF THE MONTH.