

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JUNE			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 MILE		TOTAL	% POSS		
												SPEED	DIR				
1	65	52	59	42	17	6	0	0.00	0.0	0	14.8	35	030 (NE)	930	100	5	
2	61	47	54	42	12	11	0	0.74	T	0	14.0	41	330 (NW)	452	49	9	1235
3	48	28	38	42	-4	27	0	0.06	0.0	0	23.5	63	040 (NE)	0	0	10	126
4	32	26	29	43	-14	36	0	0.19	1.0	T	34.6	57	050 (NE)	35	4	10	12469
5	37	32	35	43	-8	30	0	0.55	0.3	0	35.3	66	010 (N)	0	0	10	1246
6	36	32	34	43	-9	31	0	0.14	0.6	0	43.5	82	330 (NW)	30	3	10	124689
7	33	30	32	43	-11	33	0	1.40	4.2	2	35.0	78	340 (N)	0	0	10	12469
8	35	29	32	44	-12	33	0	0.58	1.0	3	9.2	23	310 (NW)	90	10	10	1246
9	39	32	36	44	-8	29	0	0.16	0.5	3	1.1	12	100 (E)	20	2	10	124
10	38	32	35	44	-9	30	0	0.44	0.8	2	19.8	56	300 (NW)	217	23	9	125
11	52	37	45	45	0	20	0	0.00	0.0	1	17.2	38	310 (NW)	790	84	9	12
12	52	43	48	45	3	17	0	T	0.0	0	20.3	53	140 (SE)	150	16	10	12
13	51	40	46	45	1	19	0	0.73	0.0	0	28.9	69	130 (SE)	0	0	10	12
14	52	39	46	45	1	19	0	0.55	T	0	15.4	50	150 (SE)	175	19	9	1235
15	47	38	43	46	-3	22	0	0.02	0.0	0	25.0	65	280 (W)	25	3	10	12
16	52	42	47	46	1	18	0	1.37	0.0	0	15.3	44	290 (W)	115	12	10	123
17	44	38	41	46	-5	24	0	2.07	0.0	0	23.5	51	110 (E)	5	1	10	12
18	41	36	39	46	-7	26	0	0.43	0.0	0	25.3	48	020 (N)	0	0	10	12
19	48	37	43	47	-4	22	0	T	0.0	0	10.7	24	300 (NW)	235	25	10	12
20	50	40	45	47	-2	20	0	T	0.0	0	10.7	36	280 (W)	370	39	9	12
21	51	41	46	47	-1	19	0	0.00	0.0	0	4.3	15	030 (NE)	350	37	8	12
22	59	43	51	47	4	14	0	0.00	0.0	0	7.5	18	070 (E)	944	100	4	
23	64	50	57	47	10	8	0	0.00	0.0	0	9.1	23	280 (W)	865	92	6	
24	55	51	53	48	5	12	0	1.16	0.0	0	18.9	43	270 (W)	8	1	10	12
25	61	49	55	48	7	10	0	1.91	0.0	0	14.5	43	270 (W)	209	22	10	123
26	54	49	52	48	4	13	0	2.77	0.0	0	25.2	56	150 (SE)	0	0	10	123
27	53	49	51	48	3	14	0	1.31	0.0	0	35.0	63	150 (SE)	0	0	10	12
28	51	49	50	48	2	15	0	0.70	0.0	0	22.5	46	160 (S)	102	11	10	123
29	54	48	51	49	2	14	0	0.02	0.0	0	11.8	29	270 (W)	15	2	10	12
30	58	48	53	49	4	12	0	0.00	0.0	0	7.5	21	190 (S)	357	38	9	12
SUM	1473	1207	----	----	----	604	0	17.30	8.4	----	579.4	----	----	6489	----	277	----
AVG	49.1	40.2	----	----	----	----	----	----	----	----	19.3	FASTEST	DIR	POSS %	23%	9.2	----
											MISC. ->	82	330 (NW)	28193			----

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY	44.7	TOTAL FOR THE MONTH	17.30
DEPARTURE FROM NORMAL	-0.8	DEPARTURE FROM NORMAL	8.71
HIGHEST	65 on 1st	24 HOUR MAX	2.95 on 16th/17th
LOWEST	26 on 4th		
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)	
		TOTAL FOR THE MONTH	8.4
MAX. 32 OR BELOW	1	24 HOUR MAX	4.4 on 6th/7th
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	3 on 8th/9th
MIN. 32 OR BELOW	8		
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.495 on 21st
		LOWEST SEA-LEVEL	29.548 on 7th
TOTAL THIS MONTH	604	AVG STATION	23.785
DEPARTURE FROM NORMAL	19		
SEASON TOTAL	12447		
DEPARTURE FROM NORMAL	-1023		
COOLING DEGREE DAYS (BASE 65°F)			
TOTAL THIS MONTH	0		
DEPARTURE FROM NORMAL	0		
SEASON TOTAL	0		
DEPARTURE FROM NORMAL	0		

NOTES:
NEW MONTHLY RECORD FOR SNOWFALL OF 8.4"; PREVIOUS RECORD OF 8.1" SET IN 1959
1ST: DAILY RECORD HIGH OF 65°F EQUALED; RECORD ORIGINALLY SET IN 2013
2ND: SNOWFALL FELL ENTIRELY AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO SAFE COLLECTION CONDITIONS
4TH, 7TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO COMPACTION FROM PARTIAL MELTING OF FREEZING RAIN, ICE PELLETS, AND SNOW PRIOR TO COLLECTION
4TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO MELTING PRIOR TO COLLECTION
5TH, 6TH: SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO MELTING PRIOR TO COLLECTION
5TH: PRECIPITATION PARTIALLY ESTIMATED AT ONE COLLECTION DUE TO AN EXCESSIVE AMOUNT OF BUGS IN CAN
6TH, 7TH: SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO PARTIAL MELTING PRIOR TO COLLECTION
6TH, 7TH: PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM BLOWING SNOW THAT WAS COMPACTED DUE TO PARTIAL MELTING PRIOR TO COLLECTING PRECIPITATION CAN
8TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR THREE HOURS DUE TO LOW WINDS BEING FELT AND VARIABILITY IN WIND DIRECTION BUT FALLING BELOW THE THRESHOLD SPEED FOR RM YOUNG PROPELLER
9TH, 10TH: SNOWFALL ESTIMATED AT THREE COLLECTIONS DUE TO MELTING PRIOR TO COLLECTION
9TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR EIGHTEEN HOURS DUE TO LOW WINDS BEING FELT AND VARIABILITY IN WIND DIRECTION BUT FALLING BELOW THE THRESHOLD SPEED FOR RM YOUNG PROPELLER
10TH: SNOWFALL PARTIALLY FELL AS SMALL HAIL
10TH: DAILY AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR ONE HOUR DUE TO MAINTENANCE ON RM YOUNG
14TH: SNOWFALL FELL ENTIRELY AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
0600	THERE WERE 105 HOURS OF PREVAILING WINDS FROM THE NW, 15% OF THE TOTAL HOURS OF THE MONTH.
1200	
1800	
0000	
MONTH	
90	
90	
95	
95	
92	