

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY			YEAR 2018					
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6,280 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 SPEED	DIR	TOTAL	% POSS				
1	-14	-25	-19	6	-25	84	0	0.00	0.0	23	55.3	79	310 (NW)	488	89	4	12		
2	-7	-23	-15	6	-21	80	0	0.01	0.7	23	53.8	84	280 (W)	310	57	6	1269		
3	7	-7	0	6	-6	65	0	T	T	23	39.2	64	280 (W)	400	73	8	1269		
4	14	-9	3	5	-2	62	0	1.14	10.1	23	49.8	122	330 (NW)	0	0	10	1269		
5	-5	-34	-19	5	-24	84	0	0.16	2.3	25	66.7	118	300 (NW)	0	0	10	1269		
6	-16	-38	-27	5	-32	92	0	0.00	0.0	25	83.6	115	290 (W)	0	0	10	1269		
7	4	-21	-8	5	-13	73	0	0.08	1.0	25	65.5	113	320 (NW)	455	82	5	1269		
8	21	0	11	5	6	54	0	0.21	2.5	25	66.0	95	230 (SW)	0	0	10	1269		
9	13	1	7	5	2	58	0	0.36	3.3	26	71.5	103	310 (NW)	0	0	10	1269		
10	32	7	20	5	15	45	0	T	T	26	40.2	74	320 (NW)	546	98	5	126		
11	39	30	35	5	30	30	0	0.66	0.1	20	62.3	97	260 (W)	0	0	10	1246		
12	45	34	40	5	35	25	0	1.01	0.0	9	50.9	96	240 (SW)	0	0	10	12		
13	43	0	22	5	17	43	0	1.21	0.0	2	35.8	81	330 (NW)	215	38	8	126		
14	9	-5	2	5	-3	63	0	0.00	0.0	1	18.7	38	310 (NW)	551	98	3			
15	14	7	11	5	6	54	0	0.00	0.0	1	11.6	23	150 (SE)	525	93	6			
16	11	2	7	5	2	58	0	0.04	1.3	1	34.4	53	270 (W)	0	0	10	1269		
17	13	3	8	4	4	57	0	0.11	2.0	1	26.0	42	250 (W)	0	0	10	1269		
18	26	8	17	4	13	48	0	0.00	0.0	2	43.2	79	280 (W)	571	100	1	126		
19	22	8	15	4	11	50	0	0.01	0.2	2	35.8	71	280 (W)	471	82	5	126		
20	28	13	21	4	17	44	0	T	T	1	70.9	104	290 (W)	0	0	10	1246		
21	19	12	16	4	12	49	0	0.00	0.0	1	50.5	91	300 (NW)	0	0	10	126		
22	24	15	20	4	16	45	0	0.09	0.8	1	22.2	56	170 (S)	0	0	10	126		
23	34	16	25	4	21	40	0	0.63	1.5	2	47.6	86	270 (W)	0	0	10	12469		
24	17	-12	3	4	-1	62	0	0.10	1.0	2	72.2	102	280 (W)	370	63	8	1269		
25	-4	-16	-10	4	-14	75	0	0.00	0.0	2	63.8	91	310 (NW)	405	69	6	126		
26	18	-16	1	4	-3	64	0	0.00	0.0	2	45.5	94	310 (NW)	588	100	1	126		
27	29	16	23	5	18	42	0	0.07	0.5	2	53.4	95	260 (W)	220	37	9	126		
28	24	9	17	5	12	48	0	0.07	0.8	3	53.7	92	260 (W)	40	7	10	126		
29	14	7	11	5	6	54	0	0.01	0.1	3	18.6	41	300 (NW)	185	31	8	126		
30	12	-13	0	5	-5	65	0	0.00	0.0	2	39.0	82	310 (NW)	0	0	10	126		
31	18	-14	2	5	-3	63	0	0.09	1.1	2	50.8	97	240 (SW)	465	78	4	1269		
SUM	504	-45	----	----	----	1776	0	6.06	29.3	----	1498.5	----	----	6805	----	237	----		
AVG	16.3	-1.5	----	----	----	----	----	----	----	----	48.3	FASTEST	DIR	POSS	39%	7.6	----		
											MISC. ->	122	330 (NW)	17658			----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	7.4	TOTAL FOR THE MONTH	6.06	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.7	DEPARTURE FROM NORMAL	-0.38	CLEAR (SCALE 0-3)	3	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	45 on 12th	24 HOUR MAX	1.87 on 12th/13th	PARTLY CLOUDY (SCALE 4-7)	8	3 = THUNDER	
LOWEST	-38 on 6th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	20	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	29.3	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	27	24 HOUR MAX	11.7 on 4th/5th	WITH .10" OR MORE PRECIP	10	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	26 on 10th	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	30	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	15	HIGHEST SEA-LEVEL	30.665 on 26th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	28.967 on 4th			X = TORNADO	
TOTAL THIS MONTH	1776	AVG STATION	23.545				
DEPARTURE FROM NORMAL	-92						
SEASON TOTAL	7378						
DEPARTURE FROM NORMAL	-320						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
6TH: DAILY RECORD LOW OF -38°F EQUALED; RECORD ORIGINALLY SET IN 1959				
12TH: NEW DAILY RECORD HIGH OF 45°F; PREVIOUS RECORD OF 40°F ORIGINALLY SET IN 1975 AND EQUALED IN 2013				
23RD: PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN DUE TO HIGH WINDS				
GREATEST SNOW DEPTH OF 26 INCHES AT 06Z ON THE 10TH WAS LAST OF SEVERAL OCCURRENCES				
DEEPEST SINGLE MEASUREMENT OF 26 INCHES OCCURRED AT 18Z ON THE 9TH AND 00Z ON THE 10TH				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
84	79	76	76	79

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 338 HOURS OF PREVAILING WINDS FROM THE W, 45% OF THE TOTAL HOURS OF THE MONTH.