

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH DECEMBER				YEAR 2017			
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 SPEED	DIR	TOTAL	% POSS		
1	25	12	19	15	4	46	0	0.20	1.6	8	41.3	70	270 (W)	0	0	10	1269
2	27	19	23	15	8	42	0	0.00	0.0	8	19.0	30	250 (W)	354	64	9	
3	21	14	18	14	4	47	0	0.00	0.0	8	16.5	30	300 (NW)	380	68	6	126
4	26	13	20	14	6	45	0	0.00	0.0	8	16.7	39	220 (SW)	552	99	4	126
5	35	15	25	14	11	40	0	0.39	0.7	7	46.6	82	200 (S)	0	0	10	12469
6	35	8	22	13	9	43	0	0.33	0.8	5	52.9	91	280 (W)	0	0	10	1246
7	12	7	10	13	-3	55	0	0.12	2.3	6	50.0	71	270 (W)	0	0	10	1269
8	10	4	7	13	-6	58	0	0.05	0.6	6	39.3	75	270 (W)	0	0	10	1269
9	16	8	12	12	0	53	0	0.27	8.7	6	18.9	42	280 (W)	40	7	10	126
10	12	3	8	12	-4	57	0	0.24	5.2	15	45.8	88	290 (W)	0	0	10	1269
11	8	-2	3	11	-8	62	0	0.15	2.4	8	39.8	64	280 (W)	0	0	10	1269
12	21	3	12	11	1	53	0	1.17	13.6	9	39.2	72	160 (S)	0	0	10	1269
13	18	-15	2	11	-9	63	0	0.07	1.4	16	47.2	104	290 (W)	3	1	10	1269
14	-10	-18	-14	10	-24	79	0	0.00	0.0	15	66.9	97	280 (W)	162	30	8	1269
15	2	-16	-7	10	-17	72	0	0.00	0.0	13	43.9	89	300 (NW)	457	84	5	1269
16	0	-8	-4	10	-14	69	0	0.30	4.4	12	39.6	80	310 (NW)	0	0	10	1269
17	13	-8	3	9	-6	62	0	0.00	0.0	14	43.0	61	320 (NW)	516	95	3	126
18	19	8	14	9	5	51	0	0.50	5.4	13	42.1	69	270 (W)	0	0	10	1269
19	23	13	18	9	9	47	0	1.31	8.3	17	56.5	102	270 (W)	0	0	10	123469
20	14	-7	4	9	-5	61	0	0.42	5.0	21	60.7	94	300 (NW)	0	0	10	1269
21	1	-9	-4	8	-12	69	0	0.00	0.0	22	53.0	84	300 (NW)	543	100	4	1269
22	14	0	7	8	-1	58	0	0.39	6.2	22	31.0	55	230 (SW)	0	0	10	1269
23	30	11	21	8	13	44	0	0.47	3.1	25	41.8	90	300 (NW)	0	0	10	12469
24	17	0	9	8	1	56	0	T	T	25	49.2	91	290 (W)	0	0	10	1269
25	14	-3	6	7	-1	59	0	0.69	9.0	25	50.9	105	280 (W)	0	0	10	1269
26	-3	-20	-11	7	-18	76	0	0.07	1.7	27	63.1	92	270 (W)	0	0	10	1269
27	-19	-29	-24	7	-31	89	0	0.00	0.0	24	78.2	104	300 (NW)	18	3	10	1269
28	3	-34	-15	7	-22	80	0	0.00	0.0	23	59.2	116	310 (NW)	355	65	8	1269
29	7	-18	-5	6	-11	70	0	0.03	0.7	23	19.9	46	310 (NW)	35	6	10	126
30	-10	-17	-13	6	-19	78	0	0.00	0.0	23	31.6	50	300 (NW)	300	55	9	126
31	-14	-29	-21	6	-27	86	0	0.00	0.0	23	61.2	101	300 (NW)	386	71	5	126
SUM	367	-95	----	----	----	1870	0	7.17	81.1	----	1365.0	----	----	4101	----	271	----
AVG	11.8	-3.1	----	----	----	----	----	----	----	----	44.0	FASTEST 116	DIR 310 (NW)	POSS 16968	24%	8.7	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	4.4	TOTAL FOR THE MONTH	7.17	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-5.7	DEPARTURE FROM NORMAL	-0.56	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	35 on 5th, 6th	24 HOUR MAX	1.37 on 19th/20th	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	-34 on 28th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	81.1	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	29	24 HOUR MAX	13.6 on 12th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND (at 7am)	27 on 26th	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	17	HIGHEST SEA-LEVEL	30.508 on 4th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	28.989 on 13th			X = TORNADO	
TOTAL THIS MONTH	1870	AVG STATION	23.443				
DEPARTURE FROM NORMAL	167						
SEASON TOTAL	5602						
DEPARTURE FROM NORMAL	-228						
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
90	88	83	85	87

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
THERE WERE 380 HOURS OF PREVAILING WINDS FROM THE W, 51% OF THE TOTAL HOURS OF THE MONTH.