

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER				YEAR 2018			
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	SPEED	DIR	TOTAL	% POSS		
1	40	32	36	36	0	29	0	0.22	0.0	0	25.6	52	280 (W)	0	0	10	12	
2	47	36	42	35	7	23	0	0.99	0.0	0	29.8	61	240 (SW)	0	0	10	12	
3	52	45	49	35	14	16	0	0.56	0.0	0	17.4	38	280 (W)	265	37	9	12	
4	54	32	43	34	9	22	0	0.39	0.0	0	48.3	82	300 (NW)	68	10	10	12	
5	50	32	41	34	7	24	0	0.00	0.0	0	23.9	60	310 (NW)	649	92	5	12	
6	51	35	43	34	9	22	0	0.19	0.0	0	37.6	64	280 (W)	183	26	9	12	
7	52	39	46	33	13	19	0	0.31	0.0	0	33.8	69	280 (W)	45	6	9	12	
8	53	35	44	33	11	21	0	0.07	0.0	0	39.2	73	270 (W)	100	14	10	12	
9	55	50	53	32	21	12	0	0.24	0.0	0	53.7	72	270 (W)	0	0	10	12	
10	55	50	53	32	21	12	0	0.00	0.0	0	36.5	64	280 (W)	0	0	10	12	
11	54	43	49	32	17	16	0	0.87	0.0	0	38.6	74	240 (SW)	0	0	10	12	
12	45	20	33	31	2	32	0	0.17	0.0	0	45.4	86	290 (W)	0	0	10	126	
13	23	18	21	31	-10	44	0	0.10	1.1	T	46.1	80	290 (W)	0	0	10	126	
14	33	16	25	31	-6	40	0	0.00	0.0	1	41.8	71	290 (W)	465	69	6	126	
15	43	25	34	30	4	31	0	1.19	T	T	38.8	99	280 (W)	157	23	9	1246	
16	26	15	21	30	-9	44	0	0.09	0.1	T	65.1	119	280 (W)	60	9	10	1246	
17	25	11	18	30	-12	47	0	0.43	3.4	1	51.0	98	320 (NW)	0	0	10	12369	
18	11	6	9	29	-20	56	0	0.72	5.9	1	65.6	99	300 (NW)	0	0	10	1269	
19	35	10	23	29	-6	42	0	0.00	0.0	2	53.1	90	290 (W)	495	75	4	1269	
20	30	19	25	29	-4	40	0	0.03	0.2	1	47.1	85	250 (W)	91	14	9	126	
21	20	7	14	28	-14	51	0	0.12	1.4	1	59.6	97	300 (NW)	0	0	10	1269	
22	19	6	13	28	-15	52	0	0.07	1.0	2	45.8	81	290 (W)	0	0	10	1269	
23	24	19	22	28	-6	43	0	1.14	15.0	3	27.2	44	090 (E)	0	0	10	1269	
24	21	14	18	28	-10	47	0	0.57	7.7	17	42.7	86	350 (N)	0	0	10	1269	
25	14	3	9	27	-18	56	0	0.27	4.2	18	59.2	98	290 (W)	0	0	10	1269	
26	24	3	14	27	-13	51	0	0.12	2.1	15	42.2	87	300 (NW)	504	79	5	1269	
27	28	14	21	27	-6	44	0	1.69	7.3	14	40.1	102	100 (E)	0	0	10	12469	
28	35	23	29	26	3	36	0	0.29	0.1	15	30.6	65	110 (E)	15	2	10	12469	
29	30	19	25	26	-1	40	0	0.36	2.0	13	29.4	57	290 (W)	0	0	10	1269	
30	27	13	20	26	-6	45	0	0.15	0.8	15	47.4	81	300 (NW)	0	0	10	1269	
31	37	25	31	26	5	34	0	0.30	T	15	42.6	86	250 (W)	55	9	10	124	
SUM	1113	715	----	----	----	1091	0	11.65	52.3	----	1305.2	----	----	3152	----	285	----	
AVG	35.9	23.1	----	----	----	----	----	----	----	----	42.1	FASTEST	DIR	POSS	----	9.2	----	
											MISC. ->	119	280 (W)	20805	15%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	29.5	TOTAL FOR THE MONTH	11.65	NUMBER OF DAYS:	11	1 = FOG	
DEPARTURE FROM NORMAL	-0.7	DEPARTURE FROM NORMAL	2.38			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	55 on 9th, 10th	24 HOUR MAX	1.95 on 27th/28th	CLEAR (SCALE 0-3)	0	3 = THUNDER	
LOWEST	3 on 25th, 26th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	4	4 = ICE PELLETS	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	27	5 = HAIL	
MAX. 32 OR BELOW	14	TOTAL FOR THE MONTH	52.3	WITH .01" OR MORE PRECIP	27	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	20.2 on 23rd/24th	WITH .10" OR MORE PRECIP	23	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	23	MAX DEPTH ON GROUND	18 on 25th	WITH .50" OR MORE PRECIP	8	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	3	9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.575 on 8th			X = TORNADO	
TOTAL THIS MONTH	1091	LOWEST SEA-LEVEL	29.631 on 21st				
DEPARTURE FROM NORMAL	12	AVG STATION	23.726				

NOTES:	GREATEST SNOW DEPTH OF 19.0 INCHES OCCURRED AT 18Z ON THE 24TH
1ST:	PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN DUE TO WET FOG AND RIME/GLAZE MELT
9TH:	PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY HIGH AMOUNT IN CAN FROM EXCESSIVE MOISTURE DRIPPING FROM BUILDINGS IN HIGH WINDS.
10TH:	DAILY RECORD OF 55°F EQUALED. RECORD ORIGINALLY SET IN 2011
15TH:	PRECIPITATION ESTIMATED AT ONE COLLECTION DUE TO UNREALISTICALLY LOW AMOUNT IN CAN DUE TO HIGH WINDS.
20TH:	PRECIPITATION AND SNOWFALL ESTIMATED DUE TO UNREALISTICALLY HIGH LIQUID EQUIVALENT FROM RIME AND GLAZE ICE FALLING INTO PRECIPITATION CAN.
24TH, 25TH, 26TH, 27TH:	PRECIPITATION AND SNOWFALL ESTIMATED AT TWO COLLECTIONS DUE TO EXCESSIVE BLOWING SNOW AND RIME IN CAN
31ST:	PRECIPITATION AND SNOWFALL ESTIMATED AT ONE COLLECTION DUE TO EXCESSIVE RIME IN CAN

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
88	93	90	86	89

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 424 HOURS OF PREVAILING WINDS FROM THE W, 57% OF THE TOTAL HOURS OF THE MONTH.