

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER				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	42	23	33	36	-3	32	0	0.00	0.0	0	32.2	49	310 (NW)	717	100	1	1	
2	46	33	40	35	5	25	0	0.00	0.0	0	12.0	35	360 (N)	714	100	4	12	
3	50	38	44	35	9	21	0	0.00	0.0	0	22.9	53	290 (W)	710	100	4		
4	55	43	49	34	15	16	0	0.40	0.0	0	47.3	100	270 (W)	350	50	9	12	
5	48	35	42	34	8	23	0	0.14	0.0	0	52.2	99	290 (W)	100	14	9	12	
6	40	33	37	34	3	28	0	0.18	0.0	0	50.0	74	290 (W)	0	0	10	12	
7	50	40	45	33	12	20	0	0.15	0.0	0	42.5	73	250 (W)	0	0	10	12	
8	55	46	51	33	18	14	0	0.32	T	0	52.0	101	290 (W)	0	0	10	125*	
9	56	45	51	32	19	14	0	1.15	0.0	0	39.5	81	300 (NW)	0	0	10	12	
10	52	40	46	32	14	19	0	0.14	0.0	0	45.6	76	310 (NW)	540	78	5	12	
11	43	34	39	32	7	26	0	0.00	0.0	0	25.2	63	300 (NW)	225	33	9	12	
12	42	31	37	31	6	28	0	0.00	0.0	0	11.4	23	360 (N)	684	100	1		
13	44	35	40	31	9	25	0	0.00	0.0	0	29.8	61	250 (W)	674	99	1		
14	45	37	41	31	10	24	0	0.00	0.0	0	30.9	59	250 (W)	0	0	10	12	
15	54	40	47	30	17	18	0	0.08	0.0	0	47.9	101	270 (W)	50	7	10	12	
16	41	16	29	30	-1	36	0	0.05	0.0	0	43.8	91	270 (W)	275	41	8	126	
17	29	13	21	30	-9	44	0	0.00	0.0	0	37.9	73	270 (W)	667	100	3	126	
18	41	27	34	29	5	31	0	0.00	0.0	0	44.2	81	300 (NW)	407	61	6	126	
19	47	35	41	29	12	24	0	0.00	0.0	0	46.5	86	260 (W)	631	95	4		
20	38	27	33	29	4	32	0	0.00	0.0	0	60.4	106	320 (NW)	609	93	3	126	
21	50	34	42	28	14	23	0	0.00	0.0	0	42.3	65	290 (W)	495	76	6		
22	52	45	49	28	21	16	0	0.00	0.0	0	18.5	53	220 (SW)	330	51	8		
23	52	42	47	28	19	18	0	0.04	0.0	0	37.3	64	200 (S)	551	85	8	12	
24	52	45	49	28	21	16	0	1.86	T	0	52.2	89	170 (S)	0	0	10	125*	
25	50	41	46	27	19	19	0	1.96	0.0	0	34.7	69	230 (SW)	0	0	10	12	
26	43	24	34	27	7	31	0	2.65	2.3	0	24.5	82	290 (W)	0	0	10	1246	
27	40	22	31	27	4	34	0	0.04	0.4	1	48.5	86	280 (W)	320	50	8	126	
28	44	34	39	26	13	26	0	0.00	0.0	T	34.1	57	220 (SW)	574	90	4	12	
29	44	33	39	26	13	26	0	2.05	0.0	0	47.3	124	130 (SE)	0	0	10	12	
30	47	23	35	26	9	30	0	4.32	0.3	0	63.3	133	130 (SE)	0	0	10	12469	
31	23	18	21	26	-5	44	0	0.04	0.5	T	52.8	88	270 (W)	0	0	10	126	
SUM	1415	1032	----	----	----	783	0	15.57	3.5	----	1229.7	----	----	9623	----	221	----	
AVG	45.6	33.3	----	----	----	----	----	----	----	----	39.7	FASTEST	DIR	POSS	46%	7.1	----	
											MISC. ->	133	130 (SE)	20805			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	39.5	TOTAL FOR THE MONTH	15.57	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	9.3	DEPARTURE FROM NORMAL	6.30			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	56 on 9th	24 HOUR MAX	5.86 on 29th/30th	CLEAR (SCALE 0-3)	5	3 = THUNDER	
LOWEST	13 on 17th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	7	4 = ICE PELLETS	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	19	5 = HAIL	
MAX. 32 OR BELOW	2	TOTAL FOR THE MONTH	3.5	WITH .01" OR MORE PRECIP	17	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	2.7 on 26th/27th	WITH .10" OR MORE PRECIP	12	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	10	MAX DEPTH ON GROUND	0.6 on 31st	WITH .50" OR MORE PRECIP	6	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	6	9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.745 on 3rd			X = TORNADO	
TOTAL THIS MONTH	783	LOWEST SEA-LEVEL	29.128 on 30th				
DEPARTURE FROM NORMAL	-296	AVG STATION	23.897				

NOTES: \* "5" FELL AS SMALL HAIL  
 8TH, 24TH: SNOWFALL TOTAL FELL ENTIRELY AS SMALL HAIL  
 15TH: NEW DAILY RECORD HIGH OF 54°F; PREVIOUS RECORD OF 53°F ORIGINALLY SET IN 1947 AND EQUALED IN 2014  
 17TH, 18TH: RIME ICE THICK ENOUGH TO CAUSE THE APPEARANCE OF A TRACE OF SNOW DEPTH  
 24TH: DAILY RECORD HIGH OF 52F EQUALED; RECORD ORIGINALLY SET IN 1963

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
80	76	79	80	79

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.  
 THERE WERE 288 HOURS OF PREVAILING WINDS FROM THE W,  
 39% OF THE TOTAL HOURS OF THE MONTH.