

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH AUGUST				YEAR 2018				
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 6280 FT				STANDARD TIME EASTERN				
TEMPERATURE (°F)						DEGREE DAYS			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-TAM	AVG SPEED	FASTEST MILE		TOTAL	% POSS			
1	58	50	54	49	5	11	0	0.22	0.0	0	26.3	55	270 (W)	110	12	10	12	
2	57	51	54	49	5	11	0	0.05	0.0	0	39.5	69	270 (W)	0	0	10	12	
3	58	49	54	49	5	11	0	0.19	0.0	0	19.8	42	290 (W)	15	2	9	12	
4	58	50	54	49	5	11	0	1.67	0.0	0	21.0	46	250 (W)	260	29	9	12	
5	61	49	55	49	6	10	0	0.00	0.0	0	26.4	49	310 (NW)	286	32	8	12	
6	64	54	59	49	10	6	0	0.00	0.0	0	32.9	52	280 (W)	734	84	5	12	
7	61	52	57	49	8	8	0	0.02	0.0	0	30.9	59	270 (W)	105	12	10	12	
8	59	52	56	49	7	9	0	0.70	T	0	11.2	38	210 (SW)	237	27	9	125*	
9	56	48	52	49	3	13	0	0.24	0.0	0	43.5	71	300 (NW)	50	6	10	12	
10	50	41	46	49	-3	19	0	0.11	0.0	0	35.3	74	300 (NW)	470	54	8	12	
11	57	43	50	49	1	15	0	T	0.0	0	7.0	18	260 (W)	403	47	9	12	
12	54	48	51	49	2	14	0	0.17	0.0	0	12.2	26	160 (S)	0	0	10	12	
13	55	51	53	49	4	12	0	0.02	0.0	0	11.3	21	120 (SE)	136	16	10	12	
14	58	50	54	49	5	11	0	0.45	0.0	0	14.5	29	240 (SW)	257	30	10	12	
15	60	50	55	48	7	10	0	0.33	0.0	0	23.1	64	270 (W)	164	19	9	123	
16	54	45	50	48	2	15	0	0.25	0.0	0	41.5	69	290 (W)	245	29	8	12	
17	57	46	52	48	4	13	0	0.08	0.0	0	33.9	58	250 (W)	285	34	9	12	
18	57	42	50	48	2	15	0	1.01	0.0	0	29.4	58	250 (W)	70	8	10	123	
19	54	42	48	48	0	17	0	0.00	0.0	0	15.6	41	080 (E)	490	58	6	12	
20	57	43	50	48	2	15	0	0.00	0.0	0	10.9	28	020 (N)	355	42	8	12	
21	57	44	51	48	3	14	0	0.00	0.0	0	13.7	37	230 (SW)	417	50	6	12	
22	53	41	47	48	-1	18	0	1.25	0.0	0	39.9	71	300 (NW)	0	0	10	12	
23	45	35	40	48	-8	25	0	0.05	0.0	0	46.0	68	300 (NW)	349	42	9	12	
24	57	41	49	48	1	16	0	0.00	0.0	0	19.8	51	300 (NW)	550	66	8	128	
25	60	46	53	47	6	12	0	0.00	0.0	0	12.5	28	220 (SW)	525	64	8	12	
26	57	45	51	47	4	14	0	0.02	0.0	0	27.9	71	290 (W)	305	37	8	12	
27	63	50	57	47	10	8	0	0.38	0.0	0	30.6	66	290 (W)	335	41	8	12	
28	61	54	58	47	11	7	0	0.02	0.0	0	52.4	93	280 (W)	0	0	10	12	
29	62	54	58	47	11	7	0	0.56	0.0	0	44.5	82	280 (W)	160	20	9	12	
30	57	44	51	47	4	14	0	0.32	0.0	0	27.1	71	280 (W)	391	48	6	12	
31	55	43	49	46	3	16	0	0.00	0.0	0	8.6	24	210 (SW)	795	98	3	1	
SUM	1772	1453	----	----	----	397	0	8.11	T	----	809.2	----	----	8499	----	262	----	
AVG	57.2	46.9	----	----	----	----	----	----	----	----	26.1	FASTEST	DIR	POSS	32%	8.5	----	
											MISC.-->	93	280 (W)	26399			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	52.0	TOTAL FOR THE MONTH	8.11	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.9	DEPARTURE FROM NORMAL	-0.21			2 = FOG REDUCING VISIBILITY	
HIGHEST	64 on 6th	24 HOUR MAX	1.85 on 3rd4th	CLEAR (SCALE 0-3)	1	TO 1/4 MILE OR LESS	
LOWEST	35 on 23rd			PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	26	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 8th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 N/A	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.496 on 25th			9 = BLOWING SNOW	
		LOWEST SEA-LEVEL	29.805 on 22nd			X = TORNADO	
TOTAL THIS MONTH	397	AVG STATION	23.986				
DEPARTURE FROM NORMAL	-125						
SEASON TOTAL	759						
DEPARTURE FROM NORMAL	-258						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: * *5" FELL AS SMALL HAIL

8TH: SNOWFALL FELL AS SMALL HAIL; ESTIMATED DUE TO MELTING PRIOR TO COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
90	90	91	86	89

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE ARE 268 HOURS OF PREVAILING WINDS FROM THE W , 36% OF THE TOTAL HOURS OF THE MONTH.