

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH AUGUST					YEAR 2016				
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-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS			
1	52	44	48	49	-1	17	0	0.31	0.0	0	12.5	27	140 (SE)	31	3	10	12	
2	55	44	50	49	1	15	0	0.00	0.0	0	12.5	26	110 (E)	430	48	8	12	
3	56	46	51	49	2	14	0	0.00	0.0	0	8.3	21	270 (W)	326	37	8	12	
4	60	47	54	49	5	11	0	0.00	0.0	0	11.3	31	270 (W)	585	66	5	12	
5	65	52	59	49	10	6	0	0.00	0.0	0	15.5	49	240 (SW)	670	76	6	12	
6	56	43	50	49	1	15	0	0.07	0.0	0	41.9	68	290 (W)	5	1	10	12	
7	48	41	45	49	-4	20	0	0.11	0.0	0	45.5	75	310 (NW)	30	3	10	12	
8	48	39	44	49	-5	21	0	0.00	0.0	0	44.0	71	280 (W)	224	26	9	12	
9	57	43	50	49	1	15	0	0.00	0.0	0	31.7	66	320 (NW)	841	97	8	12	
10	58	49	54	49	5	11	0	T	0.0	0	28.5	47	260 (W)	55	6	10	12	
11	62	54	58	49	9	7	0	0.00	0.0	0	28.6	45	260 (W)	265	31	9	12	
12	62	57	60	49	11	5	0	3.05	0.0	0	33.3	80	290 (W)	0	0	10	123	
13	61	56	59	49	10	6	0	0.30	0.0	0	35.4	65	230 (SW)	0	0	10	123	
14	60	53	57	49	8	8	0	0.44	0.0	0	48.7	79	280 (W)	0	0	10	12	
15	53	45	49	48	1	16	0	0.00	0.0	0	26.9	62	280 (W)	75	9	10	12	
16	59	47	53	48	5	12	0	0.83	0.0	0	20.7	84	240 (SW)	243	28	10	12	
17	58	45	52	48	4	13	0	0.96	0.0	0	43.8	98	240 (SW)	0	0	10	12	
18	53	46	50	48	2	15	0	0.00	0.0	0	33.3	55	270 (W)	0	0	10	12	
19	56	44	50	48	2	15	0	0.00	0.0	0	19.4	56	290 (W)	615	73	5	12	
20	57	46	52	48	4	13	0	0.00	0.0	0	15.9	36	190 (S)	450	53	8	12	
21	53	46	50	48	2	15	0	0.31	0.0	0	35.9	63	180 (S)	0	0	10	12	
22	53	36	45	48	-3	20	0	1.33	0.0	0	49.1	86	290 (W)	0	0	10	12	
23	48	37	43	48	-5	22	0	0.00	0.0	0	40.8	70	300 (NW)	649	78	5	12	
24	59	45	52	48	4	13	0	0.00	0.0	0	25.8	47	290 (W)	605	73	9	12	
25	58	50	54	47	7	11	0	0.05	0.0	0	38.1	56	250 (W)	30	4	10	12	
26	56	46	51	47	4	14	0	0.11	0.0	0	38.3	66	290 (W)	95	12	10	12	
27	55	46	51	47	4	14	0	0.00	0.0	0	21.8	64	350 (N)	560	68	5	12	
28	58	48	53	47	6	12	0	0.04	0.0	0	24.2	64	230 (SW)	80	10	9	123	
29	56	41	49	47	2	16	0	0.16	0.0	0	47.8	91	290 (W)	0	0	10	12	
30	53	41	47	47	0	18	0	0.00	0.0	0	20.5	47	290 (W)	181	22	9	12	
31	52	48	50	46	4	15	0	0.55	0.0	0	34.4	57	270 (W)	0	0	10	12	
SUM	1737	1425	----	----	----	425	0	8.62	0.0	----	934.4	----	----	7045	----	273	----	
AVG	56.0	46.0	----	----	----	----	----	----	----	----	30.1	FASTEST	DIR	POSS	27%	8.8	----	
											MISC.-->	98	240 (W)	26399			----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	51.0	TOTAL FOR THE MONTH	8.62	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.9	DEPARTURE FROM NORMAL	0.30			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	65 on 5th	24 HOUR MAX	3.06 on 12th/13th	CLEAR (SCALE 0-3)	0	3 = THUNDER	
LOWEST	36 on 22nd	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	5	4 = ICE PELLETS	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	26	5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.0	WITH .01" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	N/A on N/A	WITH .10" OR MORE PRECIP	12	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0	MAX DEPTH ON GROUND	N/A on N/A	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.489 on 27th			9 = BLOWING SNOW	
TOTAL THIS MONTH	425	LOWEST SEA-LEVEL	29.829 on 6th			X = TORNADO	
DEPARTURE FROM NORMAL	-97	AVG STATION	23.976				

SEASON TOTAL	868	NOTES:
DEPARTURE FROM NORMAL	-149	
COOLING DEGREE DAYS (BASE 65F)		

TOTAL THIS MONTH	0	AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR		NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
DEPARTURE FROM NORMAL	0	0600	1200	THERE WERE 411 HOURS OF PREVAILING WINDS FROM THE W, 55% OF THE TOTAL HOURS OF THE MONTH.
SEASON TOTAL	0	1800	0000	
DEPARTURE FROM NORMAL	0	90	90	
		94	93	
			92	