

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH MAY				YEAR 2016			
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	COVER	WEATHER	
1	37	19	28	30	-2	37	0	0.29	1.3	2	19.8	50	130 (SE)	25	3	10	1246	
2	34	25	30	30	0	35	0	0.51	0.5	3	23.4	43	130 (SE)	0	0	10	1246	
3	38	25	32	31	1	33	0	T	0.0	3	14.1	39	270 (W)	792	91	8	126	
4	37	25	31	31	0	34	0	0.18	0.9	3	11.9	28	070 (E)	134	15	9	1246	
5	36	27	32	32	0	33	0	T	T	3	23.2	38	040 (NE)	0	0	10	1246	
6	48	35	42	32	10	23	0	0.02	0.0	2	11.1	38	100 (E)	610	69	6	12	
7	39	34	37	32	5	28	0	0.13	0.0	1	26.4	47	140 (SE)	0	0	10	12	
8	36	14	25	33	-8	40	0	0.39	2.8	1	47.0	103	280 (W)	120	14	9	12469	
9	19	10	15	33	-18	50	0	0.01	0.1	1	61.9	91	270 (W)	69	8	10	1269	
10	36	17	27	34	-7	38	0	0.00	0.0	1	43.9	70	280 (W)	865	98	3	12	
11	43	27	35	34	1	30	0	0.00	0.0	1	37.1	67	280 (W)	890	100	1		
12	55	40	48	34	14	17	0	0.00	0.0	T	14.3	40	360 (N)	849	95	3		
13	47	38	43	35	8	22	0	0.41	0.0	T	32.0	63	280 (W)	190	21	10	12	
14	49	33	41	35	6	24	0	0.27	0.0	0	26.8	70	280 (W)	540	60	9	123	
15	36	13	25	35	-10	40	0	1.05	4.0	1	43.1	104	270 (W)	0	0	10	1269	
16	20	10	15	36	-21	50	0	0.26	1.2	3	77.4	110	280 (W)	0	0	10	1269	
17	31	18	25	36	-11	40	0	T	0.2	3	51.2	99	280 (W)	573	63	8	1269	
18	40	23	32	36	-4	33	0	T	T	3	14.6	43	280 (W)	520	57	8	126	
19	39	31	35	37	-2	30	0	0.28	2.8	1	11.4	26	300 (NW)	147	16	10	12346	
20	44	30	37	37	0	28	0	0.00	0.0	1	19.8	35	300 (NW)	696	77	6	126	
21	51	37	44	37	7	21	0	0.00	0.0	T	13.7	26	270 (W)	409	45	9		
22	48	37	43	38	5	22	0	0.02	0.0	T	21.9	43	030 (NE)	250	27	10		
23	54	38	46	38	8	19	0	0.00	0.0	T	17.1	35	350 (N)	911	99	6		
24	47	42	45	38	7	20	0	0.06	0.0	T	16.2	41	070 (E)	195	21	9	123	
25	55	43	49	39	10	16	0	0.03	0.0	T	34.8	67	280 (W)	632	69	6	12	
26	57	39	48	39	9	17	0	0.00	0.0	0	26.8	73	280 (W)	870	95	8	12	
27	59	44	52	39	13	13	0	0.02	0.0	0	33.9	55	230 (SW)	105	11	9	12	
28	62	53	58	40	18	7	0	0.00	0.0	0	22.6	49	280 (W)	345	37	9	12	
29	62	50	56	40	16	9	0	0.01	0.0	0	22.6	47	240 (SW)	525	57	8	12	
30	57	45	51	40	11	14	0	0.06	0.0	0	35.2	63	260 (W)	165	18	10	12	
31	52	40	46	41	5	19	0	0.00	0.0	0	42.7	76	270 (W)	607	65	6	12	
SUM	1368	962	----	----	----	842	0	4.00	13.8	----	897.9	----	----	12034	----	250	----	
AVG	44.1	31.0	----	----	----	----	----	----	----	----	29.0	FASTEST	DIR	POSS	%	8.1	----	
											MISC. ->	110	280 (W)	27878	43%			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	37.6	TOTAL FOR THE MONTH	4.00	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.1	DEPARTURE FROM NORMAL	-4.18			2 = FOG REDUCING VISIBILITY	
HIGHEST	62 on 28th, 29th	24 HOUR MAX	1.07 on 14th/15th	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	10 on 9th, 16th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	13.8	WITH .01" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	3	24 HOUR MAX	4.3 on 15th/16th	WITH .10" OR MORE PRECIP	10	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	3 on 2nd	WITH .50" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	15			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.376 on 20th				
		LOWEST SEA-LEVEL	29.548 on 15th				
TOTAL THIS MONTH	842	AVG STATION	23.773				
DEPARTURE FROM NORMAL	-71						
SEASON TOTAL	12039						
DEPARTURE FROM NORMAL	-1070						
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					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 335 HOURS OF PREVAILING WINDS FROM THE W, 45% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
85	79	85	90	85	