

WS FORM F-6											STATION						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY						
											MONTH			YEAR			
											MAY			2014			
LATITUDE					LONGITUDE						GROUND ELEVATION (H)			STANDARD TIME			
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST						6280 FT			EASTERN			
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS HEAT	DEGREE DAYS COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	(TENTHS)	
1	44	27	36	30	6	29	0	0.74	0.1	4	43.1	75	200 (S)	17	2	10	1246
2	30	23	27	30	-3	38	0	0.27	1.8	3	42.9	67	300 (NW)	0	0	10	1236
3	35	23	29	31	-2	36	0	0.27	2.4	4	26.5	48	310 (NW)	77	9	10	1246
4	30	23	27	31	-4	38	0	1.45	8.1	5	35.0	62	340 (N)	0	0	10	12469
5	28	24	26	32	-6	39	0	0.07	0.4	8	40.4	69	350 (N)	0	0	10	12469
6	26	21	24	32	-8	41	0	0.04	0.2	8	34.5	55	330 (NW)	15	2	10	126
7	31	20	26	32	-6	39	0	0.00	0.0	8	25.2	43	340 (N)	860	98	4	126
8	38	24	31	33	-2	34	0	0.00	0.0	8	18.4	35	290 (W)	789	89	5	
9	43	30	37	33	4	28	0	0.05	0.0	7	26.0	63	220 (SW)	60	7	10	12
10	48	34	41	34	7	24	0	0.60	0.0	3	47.5	89	240 (SW)	115	13	9	12
11	41	29	35	34	1	30	0	0.00	0.0	T	50.6	77	270 (W)	552	62	8	126
12	47	33	40	34	6	25	0	0.01	0.0	0	42.5	81	280 (W)	600	67	5	
13	48	36	42	35	7	23	0	0.02	0.0	0	21.0	41	320 (NW)	175	20	9	126
14	56	42	49	35	14	16	0	0.02	0.0	0	25.1	50	270 (W)	395	44	8	12
15	52	47	50	35	15	15	0	0.07	0.0	0	32.4	56	170 (S)	5	1	10	12
16	50	40	45	36	9	20	0	1.15	0.0	0	42.3	78	150 (SE)	95	11	10	12
17	47	31	39	36	3	26	0	1.38	0.0	0	26.7	81	140 (SE)	280	31	9	12
18	39	24	32	36	-4	33	0	T	T	0	16.7	45	340 (N)	579	64	8	125*
19	31	24	28	37	-9	37	0	1.10	6.9	0	45.6	83	330 (NW)	0	0	10	12469
20	37	28	33	37	-4	32	0	0.00	0.0	4	38.6	67	340 (N)	160	18	9	126
21	46	34	40	37	3	25	0	0.00	0.0	1	14.0	44	350 (N)	369	41	9	12
22	46	35	41	38	3	24	0	0.03	0.0	0	14.8	32	140 (SE)	250	27	9	12
23	37	34	36	38	-2	29	0	0.35	0.0	0	10.8	24	130 (SE)	0	0	10	12
24	42	33	38	38	0	27	0	0.28	T	0	15.5	33	010 (N)	55	6	10	124
25	46	34	40	39	1	25	0	0.03	0.0	0	24.0	55	260 (W)	350	38	9	12
26	45	38	42	39	3	23	0	0.94	T	0	54.5	90	300 (NW)	0	0	10	125*
27	46	35	41	39	2	24	0	0.85	0.0	0	21.8	53	320 (NW)	0	0	10	123
28	43	27	35	40	-5	30	0	0.12	0.0	0	17.0	43	080 (E)	130	14	9	126
29	47	29	38	40	-2	27	0	0.00	0.0	0	12.9	35	090 (E)	840	91	5	
30	44	32	38	40	-2	27	0	0.30	0.5	0	17.8	40	010 (N)	341	37	8	1235*
31	40	32	36	41	-5	29	0	0.09	T	0	19.8	40	020 (N)	357	38	8	124
SUM	1283	946	----	----	----	893	0	10.23	20.4	----	903.9	----	----	7466	----	271	----
AVG	41.4	30.5	----	----	----	----	----	----	----	----	29.2	FASTEST	DIR	POSS	%	8.7	----
											MISC. ->	90	300 (NW)	27878	27%		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	36.0	TOTAL FOR THE MONTH	10.23	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.5	DEPARTURE FROM NORMAL	2.05			2 = FOG REDUCING VISIBILITY	
HIGHEST	56 on 14th	24 HOUR MAX	2.27 on 16th/17th	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
LOWEST	20 on 7th			PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	27	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	20.4	WITH .01" OR MORE PRECIP	24	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	6	24 HOUR MAX	9.6 on 3rd/4th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	8 on 4th-7th	WITH .50" OR MORE PRECIP	8	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	18			WITH 1.0" OR MORE PRECIP	4	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	30.493 on 31st				
		LOWEST SEA-LEVEL	29.532 on 4th				
TOTAL THIS MONTH	893	AVG STATION	23.801				
DEPARTURE FROM NORMAL	-20						
SEASON TOTAL	13385						
DEPARTURE FROM NORMAL	276						
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					MONTH
0600	1200	1800	0000		
89	89	89	89	89	

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 192 HOURS OF PREVAILING WINDS FROM THE W, 26% OF THE TOTAL HOURS OF THE MONTH.