

WS FORM F-6											STATION							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MOUNT WASHINGTON OBSERVATORY							
											MONTH				YEAR			
											JUNE				2016			
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	FASTEST DIR	TOTAL	% POSS	COVER	WEATHER	
1	51	40	46	41	5	19	0	0.00	0.0	0	12.5	38	300 (NW)	327	35	8	12	
2	52	39	46	41	5	19	0	0.00	0.0	0	22.0	50	230 (SW)	390	42	9	12	
3	54	44	49	42	7	16	0	0.01	0.0	0	25.9	50	260 (W)	135	14	9	12	
4	52	42	47	42	5	18	0	0.00	0.0	0	16.6	37	300 (NW)	455	49	9	12	
5	49	40	45	42	3	20	0	1.52	0.0	0	31.1	75	150 (SE)	59	6	10	12	
6	50	41	46	43	3	19	0	0.00	0.0	0	43.1	71	260(W)	330	35	9	12	
7	47	38	43	43	0	22	0	0.69	T	0	26.5	58	270 (W)	79	8	9	1235*	
8	40	26	33	43	-10	32	0	0.33	0.3	0	55.9	90	290 (W)	0	0	10	1246	
9	28	24	26	43	-17	39	0	0.46	1.5	T	66.4	100	290 (W)	0	0	10	1246	
10	36	25	31	44	-13	34	0	0.04	T	1	34.2	66	300 (NW)	505	54	9	1246	
11	46	35	41	44	-3	24	0	0.16	0.0	T	29.5	70	290 (W)	60	6	10	12	
12	50	26	38	44	-6	27	0	0.95	3.7	0	58.9	86	290 (W)	0	0	10	12469	
13	38	31	35	45	-10	30	0	1.26	1.4	1	58.3	101	330 (NW)	0	0	10	1246	
14	42	30	36	45	-9	29	0	0.15	0.0	1	56.5	93	340 (N)	85	9	10	126	
15	47	38	43	45	-2	22	0	0.00	0.0	0	39.3	81	350 (N)	551	58	6	12	
16	52	39	46	45	1	19	0	0.00	0.0	0	22.1	50	340 (N)	858	91	4		
17	52	38	45	46	-1	20	0	T	T	0	16.5	38	330 (NW)	591	63	6	35*	
18	57	42	50	46	4	15	0	0.00	0.0	0	13.6	34	260 (W)	883	94	4		
19	61	48	55	46	9	10	0	0.00	0.0	0	21.3	38	260 (W)	845	90	5		
20	64	51	58	46	12	7	0	0.00	0.0	0	30.1	65	250 (W)	760	81	6	12	
21	53	39	46	47	-1	19	0	0.02	0.0	0	41.7	80	270 (W)	130	14	9	12	
22	43	32	38	47	-9	27	0	0.80	T	0	31.4	75	280 (W)	150	16	9	124	
23	46	37	42	47	-5	23	0	0.12	0.0	0	28.6	56	280 (W)	359	38	9	12	
24	52	38	45	47	-2	20	0	0.00	0.0	0	21.5	55	300 (NW)	924	98	3		
25	60	44	52	47	5	13	0	0.00	0.0	0	11.3	25	270 (W)	549	58	5		
26	62	48	55	47	8	10	0	0.00	0.0	0	9.0	32	210 (SW)	644	68	8		
27	59	48	54	48	6	11	0	0.02	0.0	0	29.7	57	240 (SW)	445	47	9	12	
28	63	49	56	48	8	9	0	0.01	0.0	0	14.0	44	270 (W)	435	46	9	123	
29	52	43	48	48	0	17	0	2.07	0.0	0	19.5	49	270 (W)	115	12	9	123	
30	52	41	47	48	-1	18	0	0.00	0.0	0	29.5	55	310 (NW)	464	49	8	12	
SUM	1510	1156	----	----	----	608	0	8.61	6.9	----	916.5	----	----	11128	----	241	----	
AVG	50.3	38.5	----	----	----	----	----	----	----	----	30.6	FASTEST	DIR	POSS %			----	
											MISC. ->	101	330 (NW)	28193	39%	8.0	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	44.4	TOTAL FOR THE MONTH	8.61	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.6	DEPARTURE FROM NORMAL	0.21			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	64 on 20th	24 HOUR MAX	2.08 on 28th/29th	CLEAR (SCALE 0-3)	1		
LOWEST	24 on 9th			PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
						5 = HAIL	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	6.9	WITH .01" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	1	24 HOUR MAX	3.7 on 12th	WITH .10" OR MORE PRECIP	11	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	2 on 13th	WITH .50" OR MORE PRECIP	6	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	7			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.479 on 19th				
		LOWEST SEA-LEVEL	29.551 on 12th				
TOTAL THIS MONTH	608	AVG STATION	23.811				
DEPARTURE FROM NORMAL	6						
SEASON TOTAL	12647						
DEPARTURE FROM NORMAL	-1064						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 7TH: "5" FELL AS HAIL & SMALL HAIL 17TH: "5" FELL ENTIRELY AS SMALL HAIL
7TH, 17TH: SNOWFALL TOTALS FELL ENTIRELY AS HAIL DURING THUNDERSTORMS
12TH: SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING/RE-FREEZING PRIOR TO ONE COLLECTION.
20TH: NEW DAILY RECORD HIGH OF 64°F; PREVIOUS RECORD OF 62°F SET IN 1953 AND EQUALED IN 2012.
22ND: SNOWFALL TOTAL ESTIMATED DUE TO MELTING SHORTLY AFTER FALLING AND PRIOR TO COLLECTION.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
89	84	86	91	87

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 334 HOURS OF PREVAILING WINDS FROM THE W, 46% OF THE TOTAL HOURS OF THE MONTH.