

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH MAY					YEAR 2015				
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.	
						DEGREE DAYS		TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS				
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR						
1	33	27	30	30	0	35	0	0.00	0.0	19	17.8	31	350 (N)	290	34	10	126		
2	41	29	35	30	5	30	0	0.00	0.0	18	16.6	33	290 (W)	621	72	5	1		
3	44	34	39	31	8	26	0	T	T	15	18.4	31	320 (NW)	398	46	6			
4	50	38	44	31	13	21	0	0.01	0.0	11	31.9	70	290 (W)	769	88	4	12		
5	41	28	35	32	3	30	0	0.18	0.0	5	47.9	86	270 (W)	530	61	8	126		
6	45	29	37	32	5	28	0	0.00	0.0	4	39.7	61	310 (NW)	878	100	1			
7	51	36	44	32	12	21	0	0.00	0.0	4	38.8	59	320 (NW)	825	94	8			
8	55	45	50	33	17	15	0	0.00	0.0	3	15.9	34	310 (NW)	860	98	6			
9	57	46	52	33	19	13	0	0.00	0.0	2	26.2	43	250 (W)	810	92	9	1		
10	52	47	50	34	16	15	0	0.13	0.0	1	33.1	55	290 (W)	100	11	10	12		
11	51	45	48	34	14	17	0	0.74	0.0	0	35.3	49	260 (W)	0	0	10	12		
12	50	30	40	34	6	25	0	0.26	T	0	53.3	93	300 (NW)	20	2	10	1246		
13	31	22	27	35	-8	38	0	0.31	0.6	T	51.7	98	300(NW)	214	24	9	1246		
14	37	20	29	35	-6	36	0	0.00	0.0	T	26.8	52	330(NW)	897	100	0			
15	45	29	37	35	2	28	0	0.00	0.0	T	9.0	25	310(NW)	859	96	8			
16	48	38	43	36	7	22	0	0.43	0.0	T	21.4	47	270(W)	0	0	10	123		
17	51	42	47	36	11	18	0	0.05	0.0	0	21.4	51	290(W)	373	41	8	12		
18	53	43	48	36	12	17	0	0.00	0.0	0	24.0	42	270(W)	755	83	6	12		
19	52	34	43	37	6	22	0	0.79	0.0	0	35.6	68	290(W)	15	2	10	12		
20	35	21	28	37	-9	37	0	0.12	0.2	T	61.0	89	310 (NW)	96	11	10	1246		
21	38	21	30	37	-7	35	0	0.00	0.0	T	24.6	59	330 (NW)	450	49	9			
22	34	11	23	38	-15	42	0	0.31	2.2	T	37.0	74	310 (NW)	300	33	9	126		
23	29	11	20	38	-18	45	0	0.03	0.5	1	56.7	86	310 (NW)	650	71	5	126		
24	47	29	38	38	0	27	0	T	0.0	1	54.2	86	300 (NW)	440	48	8			
25	51	42	47	39	8	18	0	0.14	0.0	0	40.0	72	250 (W)	365	40	10	12		
26	57	48	53	39	14	12	0	0.05	0.0	0	46.9	88	300 (NW)	315	34	10	12		
27	61	49	55	39	16	10	0	0.48	0.0	0	36.8	80	270 (W)	65	7	10	123		
28	54	43	49	40	9	16	0	0.40	0.0	0	37.8	64	280 (W)	0	0	10	12		
29	59	42	51	40	11	14	0	0.00	0.0	0	13.8	59	250 (W)	665	72	6	12		
30	59	45	52	40	12	13	0	0.91	0.0	0	42.1	75	290 (W)	82	9	9	123		
31	52	35	44	41	3	21	0	1.20	0.0	0	20.3	61	290 (W)	0	0	10	123		
SUM	1463	1059	---	---	---	747	0	6.54	3.5	---	1036.0	---	---	12642	---	244	---		
AVG	47.2	34.2	---	---	---	---	---	---	---	---	33.4	FASTEST	DIR	POSS	%	7.9	---		
											MISC. ->	98	300 (NW)	27878	45%		---		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	40.7	TOTAL FOR THE MONTH	6.54	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.2	DEPARTURE FROM NORMAL	-1.64			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 27th	24 HOUR MAX	2.08 on 30th/31st	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	11 on 22nd, 23rd	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	3.5	WITH .01" OR MORE PRECIP	18	5 = HAIL	
MAX. 32 OR BELOW	2	24 HOUR MAX	2.6 on 22nd/23rd	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	19 on 1st	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	13			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.451 on 29th				
		LOWEST SEA-LEVEL	29.709 on 20th				
TOTAL THIS MONTH	747	AVG STATION	23.926				
DEPARTURE FROM NORMAL	-166						
SEASON TOTAL	13367						
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:				
22ND: NEW DAILY RECORD LOW OF 11°F; PREVIOUS RECORD OF 12°F SET IN 1936.				
23RD: NEW DAILY RECORD LOW OF 11°F; PREVIOUS RECORD OF 13°F SET IN 1956.				
30TH: PRECIPITATION DEDUCED FROM COLLECTION AT 0630EST ON 5/31/15 DUE TO THUNDERSTORM AT TIME OF 0030EST COLLECTION.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
85	79	79	84	82

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 371 HOURS OF PREVAILING WINDS FROM THE W. 50% OF THE TOTAL HOURS OF THE MONTH.