

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2014			
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	56	43	50	49	1	15	0	0.00	0.0	0	22.4	40	270 (W)	505	57	9	12	
2	57	48	53	49	4	12	0	0.01	0.0	0	9.3	41	240 (SW)	175	20	9	12	
3	57	49	53	49	4	12	0	0.05	0.0	0	3.6	13	240 (SW)	260	29	9	12	
4	54	47	51	49	2	14	0	0.05	0.0	0	13.8	35	270 (W)	230	26	10	12	
5	56	47	52	49	3	13	0	0.01	0.0	0	20.5	40	270 (W)	482	55	8	12	
6	52	40	46	49	-3	19	0	0.05	0.0	0	26.7	44	300 (NW)	0	0	10	12	
7	45	38	42	49	-7	23	0	0.15	0.1	0	30.5	52	350 (N)	5	1	10	1235	
8	48	40	44	49	-5	21	0	0.02	0.0	0	29.3	51	340 (N)	120	14	10	12	
9	51	42	47	49	-2	18	0	T	0.0	0	23.8	46	330 (NW)	366	42	8	12	
10	58	45	52	49	3	13	0	0.36	0.2	0	14.2	29	350 (N)	499	57	8	35	
11	60	48	54	49	5	11	0	0.02	0.0	0	7.6	21	220 (SW)	275	32	6	12	
12	51	44	48	49	-1	17	0	0.00	0.0	0	27.5	66	140 (SE)	157	18	9	12	
13	49	41	45	49	-4	20	0	2.80	0.0	0	41.2	83	130 (SE)	0	0	10	123	
14	46	35	41	49	-8	24	0	0.28	0.0	0	18.5	39	270 (W)	400	47	9	12	
15	41	35	38	48	-10	27	0	0.01	0.0	0	16.0	35	240 (SW)	160	19	10	12	
16	43	37	40	48	-8	25	0	0.26	0.0	0	27.3	49	270 (W)	0	0	10	12	
17	44	39	42	48	-6	23	0	0.75	0.0	0	36.1	60	300 (NW)	0	0	10	12	
18	42	35	39	48	-9	26	0	1.21	0.0	0	29.8	67	290 (W)	0	0	10	12	
19	53	37	45	48	-3	20	0	0.00	0.0	0	5.9	17	250 (W)	448	53	8	12	
20	59	43	51	48	3	14	0	0.00	0.0	0	5.8	19	240 (SW)	613	73	6	12	
21	53	44	49	48	1	16	0	0.02	0.0	0	10.8	31	140 (SE)	257	31	10	1	
22	47	41	44	48	-4	21	0	0.03	0.0	0	18.8	34	140 (SE)	0	0	10	12	
23	48	40	44	48	-4	21	0	0.00	0.0	0	16.9	31	060 (NE)	305	37	9	12	
24	55	42	49	48	1	16	0	0.00	0.0	0	15.2	32	040 (NE)	485	58	6	12	
25	61	48	55	47	8	10	0	0.00	0.0	0	7.4	21	230 (SW)	701	85	5	1	
26	61	49	55	47	8	10	0	0.00	0.0	0	23.0	41	270 (W)	603	73	5	12	
27	55	43	49	47	2	16	0	0.01	0.0	0	34.6	61	280 (W)	235	29	10	12	
28	44	36	40	47	-7	25	0	0.00	0.0	0	38.9	70	340 (N)	0	0	10	12	
29	53	37	45	47	-2	20	0	0.00	0.0	0	15.0	42	340 (N)	550	67	6	12	
30	56	42	49	47	2	16	0	T	0.0	0	29.2	47	250 (W)	565	70	9	12	
31	56	53	55	46	9	10	0	0.34	0.0	0	43.5	71	280 (W)	0	0	10	12	
SUM	1611	1308	----	----	----	548	0	6.43	0.3	----	663.1	----	----	8396	----	269	----	
AVG	52.0	42.2	----	----	----	----	----	----	----	----	21.4	FASTEST	DIR	POSS	%	SKY	----	
												83	130 (SE)	26399	32%	8.7	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	47.1	TOTAL FOR THE MONTH	6.43	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-1.0	DEPARTURE FROM NORMAL	-1.89	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	61 on 25th, 26th	24 HOUR MAX	2.83 on 13th/14th	PARTLY CLOUDY (SCALE 4-7)	6	3 = THUNDER	
LOWEST	35 on 14th, 15th, 18th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.3	WITH .01" OR MORE PRECIP	19	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.2 on 10th	WITH .10" OR MORE PRECIP	8	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 10th	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.425 on 1st			X = TORNADO	
TOTAL THIS MONTH	548	LOWEST SEA-LEVEL	29.788 on 14th				
DEPARTURE FROM NORMAL	26	AVG STATION	23.937				
SEASON TOTAL	1032						
DEPARTURE FROM NORMAL	15						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
2ND: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO DATABASE RESTART AND WINDS TOO LOW FOR HAYS CHART.				
7TH, 10TH: DAILY SNOWFALL OBSERVER ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.				
27TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF SPEEDS FROM HAYS CHART DUE TO CONNECTIVITY ISSUES WITH DATABASE.				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
90	89	93	91	91

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 232 HOURS OF PREVAILING WINDS FROM THE W, 31% OF THE TOTAL HOURS OF THE MONTH.