

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2015			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 6280 FT			STANDARD TIME EASTERN				
TEMPERATURE (°F)						PRECIPITATION (IN.)					WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER (TENTHS)	WEATHER OCCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS	COVER	WEATHER	
1	51	42	47	49	-2	18	0	0.14	0.0	0	35.9	61	280 (W)	60	7	10	12	
2	55	41	48	49	-1	17	0	0.00	0.0	0	27.6	57	240 (SW)	625	70	8	12	
3	61	46	54	49	5	11	0	2.12	0.2	0	32.1	69	250 (W)	582	66	8	1235	
4	59	42	51	49	2	14	0	0.16	0.0	0	28.4	70	260 (W)	625	71	9	123	
5	47	40	44	49	-5	21	0	0.12	0.0	0	36.6	67	280 (W)	0	0	10	12	
6	43	39	41	49	-8	24	0	0.12	0.0	0	46.5	69	300 (NW)	0	0	10	12	
7	48	37	43	49	-6	22	0	0.00	0.0	0	15.3	47	310 (NW)	318	36	8	12	
8	52	38	45	49	-4	20	0	0.00	0.0	0	10.8	26	100 (E)	524	60	6	12	
9	53	43	48	49	-1	17	0	0.36	0.0	0	10.9	28	100 (E)	332	38	9	12	
10	55	46	51	49	2	14	0	0.00	0.0	0	17.8	34	290 (W)	105	12	9	12	
11	53	44	49	49	0	16	0	1.11	0.0	0	33.1	71	160 (S)	20	2	10	12	
12	53	43	48	49	-1	17	0	0.51	0.0	0	22.8	45	300 (NW)	20	2	10	12	
13	47	41	44	49	-5	21	0	0.12	0.0	0	19.8	34	290 (W)	70	8	10	12	
14	56	41	49	49	0	16	0	0.00	0.0	0	23.3	37	270 (W)	600	70	6	12	
15	59	51	55	48	7	10	0	0.01	0.0	0	12.2	28	310 (NW)	195	23	10	12	
16	63	51	57	48	9	8	0	0.00	0.0	0	9.3	24	290 (W)	828	97	5	12	
17	64	51	58	48	10	7	0	0.00	0.0	0	16.4	30	280 (W)	790	93	8	12	
18	65	53	59	48	11	6	0	0.00	0.0	0	10.5	27	300 (NW)	645	76	8	12	
19	64	53	59	48	11	6	0	T	0.0	0	14.4	36	170 (S)	513	61	5	12	
20	55	49	52	48	4	13	0	0.02	0.0	0	34.2	57	150 (SE)	188	22	9	12	
21	56	49	53	48	5	12	0	0.13	0.0	0	25.9	57	170 (S)	37	4	10	12	
22	56	46	51	48	3	14	0	0.00	0.0	0	5.8	16	230 (SW)	335	40	9	12	
23	55	45	50	48	2	15	0	0.37	0.0	0	10.3	23	150 (SE)	169	20	9	12	
24	57	51	54	48	6	11	0	0.03	0.0	0	12.1	27	230 (SW)	290	35	9	12	
25	54	50	52	47	5	13	0	0.25	0.0	0	23.8	47	120 (SE)	0	0	10	123	
26	53	42	48	47	1	17	0	T	0.0	0	14.8	32	230 (SW)	90	11	10	12	
27	45	41	43	47	-4	22	0	0.12	0.0	0	27.0	53	280 (W)	135	16	9	12	
28	51	39	45	47	-2	20	0	0.00	0.0	0	13.9	42	300 (NW)	615	75	6	12	
29	57	44	51	47	4	14	0	0.00	0.0	0	19.7	44	280 (W)	440	54	9	12	
30	54	45	50	47	3	15	0	0.00	0.0	0	24.8	44	280 (W)	375	46	9	12	
31	53	46	50	46	4	15	0	0.05	0.0	0	54.9	87	270 (W)	0	0	10	12	
SUM	1694	1389	---	---	---	466	0	5.74	0.2	---	690.9	---	---	9526	---	268	---	
AVG	54.6	44.8	---	---	---	---	---	---	---	---	22.3	FASTEST	DIR	POSS	%	SKY	---	
											MISC.-->	87	270 (W)	26399	36%	8.6	---	

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY DEPARTURE FROM NORMAL	49.7	TOTAL FOR THE MONTH	5.74
HIGHEST	65 on 18th	24 HOUR MAX	2.12 on 3rd
LOWEST	37 on 7th	SNOWFALL, ICE PELLETS (IN.)	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.2
MAX. 32 OR BELOW	0	24 HOUR MAX	0.2 on 3rd
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 3rd
MIN. 32 OR BELOW	0	PRESSURE DATA (IN.)	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.331 on 16th
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.867 on 1st
TOTAL THIS MONTH	466	AVG STATION	23.926
DEPARTURE FROM NORMAL	-56		
SEASON TOTAL	949		
DEPARTURE FROM NORMAL	-68		
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 HR OF ESTIMATED SPEED DUE TO WORK ON INSTRUMENTATION.			
3RD: DAILY SNOWFALL FELL AS HAIL AND WAS PARTIALLY ESTIMATED DUE TO SOME MELTING PRIOR TO COLLECTING SAFELY.			
6TH, 31ST: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO EXCESSIVE MOISTURE IN CAN FROM FOG AT ONE COLLECTION.			
8TH: DAILY AVERAGE WIND SPEED CONTAINS 4 HRS OF ESTIMATED SPEEDS DUE TO RM YOUNG TRANSLATOR MALFUNCTION.			
MAX SNOW DEPTH OF TRACE OCCURRED AT 18Z ON THE 3RD AND FELL AS HAIL.			
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR			
0600	1200	1800	0000
93	88	92	94
MONTH			
92			
NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.			
THERE WERE 356 HOURS OF PREVAILING WINDS FROM THE W, 48% OF THE TOTAL HOURS OF THE MONTH.			