

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				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.
DAY	MAX	MIN	AVG	NORM	DEPART	DEGREE DAYS HEAT	DEGREE DAYS COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS			
1	65	44	55	46	9	10	0	T	0.0	0	21.1	55	300 (NW)	806	100	3	12	
2	65	53	59	46	13	6	0	0.00	0.0	0	23.3	37	290 (W)	803	100	3	12	
3	60	49	55	46	9	10	0	0.00	0.0	0	20.0	41	300 (NW)	45	6	10	12	
4	56	47	52	46	6	13	0	0.00	0.0	0	11.9	24	280 (W)	717	90	5	12	
5	62	47	55	45	10	10	0	0.00	0.0	0	8.8	19	050 (NE)	779	98	4		
6	63	49	56	45	11	9	0	0.00	0.0	0	13.3	44	270 (W)	712	90	4		
7	58	52	55	45	10	10	0	0.00	0.0	0	49.0	72	270 (W)	10	1	10	12	
8	62	53	58	44	14	7	0	0.13	0.0	0	30.9	77	270 (W)	130	17	10	12	
9	62	46	54	44	10	11	0	0.25	0.0	0	36.1	54	240 (SW)	300	38	9	12	
10	56	42	49	44	5	16	0	0.54	0.0	0	16.4	40	280 (W)	25	3	10	12	
11	51	42	47	44	3	18	0	0.37	0.0	0	15.8	39	330 (NW)	170	22	9	12	
12	52	40	46	43	3	19	0	0.01	0.0	0	12.4	57	120 (SE)	361	47	8	12	
13	48	38	43	43	0	22	0	0.79	T	0	27.0	57	110 (E)	0	0	10	1235*	
14	45	36	41	42	-1	24	0	1.51	T	0	42.9	91	280 (W)	0	0	10	124	
15	58	41	50	42	8	15	0	0.09	0.0	0	52.2	78	300 (NW)	542	71	4	12	
16	64	51	58	42	16	7	0	0.00	0.0	0	19.9	41	310 (NW)	761	100	1		
17	63	49	56	41	15	9	0	0.00	0.0	0	19.0	32	250 (W)	730	96	1	12	
18	60	47	54	41	13	11	0	0.00	0.0	0	13.6	35	240 (SW)	756	100	3	1	
19	56	47	52	41	11	13	0	0.00	0.0	0	26.3	57	230 (SW)	663	88	6	12	
20	51	34	43	40	3	22	0	0.48	0.0	0	39.4	73	270 (W)	598	80	4	12	
21	49	41	45	40	5	20	0	0.00	0.0	0	9.4	20	030 (NE)	595	80	5		
22	49	41	45	39	6	20	0	T	0.0	0	9.8	30	180 (S)	40	5	9		
23	53	41	47	39	8	18	0	0.00	0.0	0	9.7	25	340 (N)	723	98	1	1	
24	48	39	44	39	5	21	0	0.00	0.0	0	12.9	33	310 (NW)	600	81	5	12	
25	44	33	39	38	1	26	0	0.00	0.0	0	23.2	41	320 (NW)	390	53	9	12	
26	44	35	40	38	2	25	0	0.00	0.0	0	15.4	38	320 (NW)	732	100	4		
27	53	36	45	37	8	20	0	0.00	0.0	0	19.9	43	250 (W)	728	100	1		
28	55	42	49	37	12	16	0	0.01	0.0	0	31.9	47	240 (SW)	437	60	8	12	
29	53	47	50	36	14	15	0	2.00	0.0	0	35.0	53	250 (W)	0	0	10	12	
30	53	36	45	36	9	20	0	3.51	0.0	0	37.0	75	010 (N)	0	0	10	12	
SUM	1658	1298	----	----	----	463	0	9.69	0.0	----	703.5	----	----	13153	----	186	----	
AVG	55.3	43.3	----	----	----	----	----	----	----	----	23.5	FASTEST	DIR	POSS	%		----	
											MISC. ->	91	280 (W)	22883	57%	6.2	----	

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16
AVERAGE MONTHLY 49.3	TOTAL FOR THE MONTH 9.69	NUMBER OF DAYS:	1 = FOG
DEPARTURE FROM NORMAL 7.7	DEPARTURE FROM NORMAL 1.66		2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
HIGHEST 65 on 2nd	24 HOUR MAX 4.22 on 29th/30th	CLEAR (SCALE 0-3) 7	3 = THUNDER
LOWEST 33 on 25th		PARTLY CLOUDY (SCALE 4-7) 9	4 = ICE PELLETS
	SNOWFALL, ICE PELLETS (IN.)	CLOUDY (SCALE 8-10) 14	5 = HAIL
NUMBER OF DAYS WITH:			6 = GLAZE OR RIME
MAX. 32 OR BELOW 0	TOTAL FOR THE MONTH T	WITH .01" OR MORE PRECIP 12	7 = BLOWING DUST OR SAND
MAX. 90 OR ABOVE 0	24 HOUR MAX T on 13th/14th	WITH .10" OR MORE PRECIP 9	RED. VIS. TO 1/2 MILE OR LESS
MIN. 32 OR BELOW 0	MAX DEPTH ON GROUND T on 14th/13th	WITH .50" OR MORE PRECIP 5	8 = SMOKE OR HAZE
MIN. 0 OR BELOW 0		WITH 1.0" OR MORE PRECIP 3	9 = BLOWING SNOW
	PRESSURE DATA (IN.)		X = TORNADO
HEATING DEGREE DAYS (BASE 65°F)	HIGHEST SEA-LEVEL 30.648 on 26th		
	LOWEST SEA-LEVEL 29.822 on 13th		
TOTAL THIS MONTH 463	AVG STATION 23.999		
DEPARTURE FROM NORMAL -239			
SEASON TOTAL 1412			
DEPARTURE FROM NORMAL -307			

NOTES: \* \* \* FELL AS SMALL HAIL

2ND: DAILY RECORD HIGH OF 65°F TIED; ORIGINAL RECORD SET IN 1937 AND ALSO TIED IN 1999.

6TH: NEW DAILY RECORD HIGH OF 63°F; PREVIOUS RECORD OF 62°F SET IN 1999.

13TH: DAILY SNOWFALL FELL AS SMALL HAIL AND WAS ESTIMATED DUE TO MELTING PRIOR TO COLLECTING SAFELY.

14TH: DAILY SNOWFALL ESTIMATED DUE TO MELTING PRIOR TO COLLECTION

14TH: DAILY AVERAGE WIND SPEED CONTAINS 9 HOURS OF SPEEDS DETERMINED FROM HAYS CHART/RM YOUNG DISPLAY DUE TO SCHEDULED DATABASE MAINTENANCE.

15TH: DAILY AVERAGE WIND SPEED CONTAINS 21 HOURS OF SPEEDS DETERMINED FROM HAYS CHART DUE TO SCHEDULED DATABASE MAINTENANCE.

16TH: DAILY RECORD HIGH OF 64°F TIED; ORIGINAL RECORD SET IN 1939.

17TH: NEW DAILY RECORD HIGH OF 63°F; PREVIOUS RECORD OF 60°F SET IN 1942.

18TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO DATABASE MALFUNCTION.

MAX SNOW DEPTH OF A TRACE OCCURRED APPROX AT 05Z, 11Z ON THE 14TH AND APPROX AT 06Z, ON THE 15TH.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
68	73	70	69	70

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE 288 HOURS OF PREVAILING WINDS FROM THE W.

40% OF THE TOTAL HOURS OF THE MONTH.