

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY										
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				YEAR 2013						
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-6AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS						
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR								
1	59	50	55	46	9	10	0	0.63	0.0	0	13.9	41	NW	115	14	9	12				
2	56	50	53	46	7	12	0	0.74	0.0	0	17.3	52	W	30	4	10	123				
3	53	42	48	46	2	17	0	0.06	0.0	0	29.0	55	W	146	18	9	12				
4	47	38	43	46	-3	22	0	0.93	0.0	0	46.0	73	W	230	29	9	12				
5	40	26	33	45	-12	32	0	0.10	0.0	0	40.2	61	NW	390	49	8	126				
6	45	25	35	45	-10	30	0	0.00	0.0	0	29.4	51	NW	792	100	3	12				
7	50	38	44	45	-1	21	0	0.17	0.0	0	44.1	72	W	265	34	9	12				
8	43	26	35	44	-9	30	0	0.87	0.2	0	46.5	85	N	0	0	10	1245*6				
9	45	26	36	44	-8	29	0	0.00	0.0	0	36.6	52	W	709	91	8	126				
10	60	41	51	44	7	14	0	0.31	0.0	0	36.7	55	W	0	0	10	12				
11	63	51	57	44	13	8	0	1.14	T	0	45.5	84	W	280	36	8	1235				
12	57	44	51	43	8	14	0	2.19	0.0	0	32.7	68	W	0	0	10	123				
13	48	37	43	43	0	22	0	0.34	0.0	0	19.2	46	W	0	0	10	12				
14	41	29	35	42	-7	30	0	0.08	0.0	0	17.4	40	NW	100	13	9	126				
15	45	29	37	42	-5	28	0	0.00	0.0	0	29.8	47	NW	685	90	5	126				
16	38	19	29	42	-13	36	0	0.27	0.0	0	39.8	61	W	25	3	9	126				
17	44	20	32	41	-9	33	0	0.00	0.0	0	26.2	60	N	750	99	1	126				
18	52	37	45	41	4	20	0	0.00	0.0	0	25.7	37	NW	756	100	1					
19	53	43	48	41	7	17	0	0.00	0.0	0	19.7	29	NW	753	100	1					
20	57	45	51	40	11	14	0	0.00	0.0	0	15.7	53	S	750	100	4					
21	49	43	46	40	6	19	0	0.27	0.0	0	40.4	69	S	550	74	8	12				
22	49	26	38	39	-1	27	0	1.66	0.1	0	42.7	81	NW	0	0	10	1246				
23	26	22	24	39	-15	41	0	0.14	0.9	T	58.5	81	NW	40	5	10	126				
24	34	24	29	39	-10	36	0	0.01	T	1	59.8	84	NW	305	41	6	1246				
25	40	31	36	38	-2	29	0	0.00	0.0	T	35.2	61	N	234	32	6	12				
26	44	32	38	38	0	27	0	0.00	0.0	0	17.5	34	N	732	100	1					
27	44	35	40	37	3	25	0	0.00	0.0	0	16.1	33	E	583	80	5	12				
28	49	37	43	37	6	22	0	0.00	0.0	0	8.7	20	NE	725	100	1	12				
29	53	43	48	36	12	17	0	0.00	0.0	0	7.8	17	SW	680	94	3					
30	52	42	47	36	11	18	0	0.00	0.0	0	5.6	19	W	719	100	3					
SUM	1436	1051	----	----	----	700	0	9.91	1.2	----	903.7	----	----	11344	----	196	----	----			
AVG	47.9	35.0	----	----	----	----	----	----	----	----	30.1	FASTEST	DIR	POSS	%			----			
											MISC. ->	85		22883	50%	6.5		----			

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	41.5	TOTAL FOR THE MONTH	9.91	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.1	DEPARTURE FROM NORMAL	1.88	CLEAR (SCALE 0-3)	8	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	63	24 HOUR MAX		PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	19	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	17	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	1.2	WITH .01" OR MORE PRECIP	17	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX		WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND		WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	13			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL					
TOTAL THIS MONTH	700	LOWEST SEA-LEVEL					
DEPARTURE FROM NORMAL	-2	AVG STATION					
SEASON TOTAL							
DEPARTURE FROM NORMAL	-1719						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: * *5" FELL AS SMALL HAIL.				
6TH, 15TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO DATABASE FAILURE.				
8TH: DAILY SNOWFALL FELL PARTIALLY AS SMALL HAIL.				
11TH: NEW DAILY RECORD HIGH OF 63°F; PREVIOUS RECORD OF 60°F SET IN 1947.				
11TH: DAILY SNOWFALL FELL ENTIRELY AS HAIL; ESTIMATED DUE TO MELTING PRIOR TO COLLECTION.				
22ND: DAILY AVERAGE WIND SPEED CONTAINS 5 HOURS OF ESTIMATED SPEEDS DUE TO DATABASE FAILURE.				
30TH: DAILY AVERAGE WIND SPEED CONTAINS 9 HOURS OF ESTIMATED SPEEDS DUE TO DATABASE FAILURE AND WINDS TOO LOW TO REGISTER ON HAYS CHART.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
				#DIV/0!

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