

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JULY					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	DIR						
1	60	50	55	48	7	10	0	0.70	0.0	0	11.5	34	S	80	9	10	12		
2	58	53	56	48	8	9	0	1.83	0.0	0	25.8	43	W	0	0	10	12		
3	59	53	56	48	8	9	0	0.21	0.0	0	30.4	50	W	0	0	10	123		
4	63	54	59	49	10	6	0	0.15	0.0	0	34.2	77	W	60	6	10	123		
5	60	52	56	49	7	9	0	0.02	0.0	0	46.5	79	NW	0	0	10	12		
6	57	50	54	49	5	11	0	0.01	0.0	0	46.2	69	W	15	2	10	12		
7	58	50	54	49	5	11	0	0.01	0.0	0	36.3	61	NW	20	2	10	12		
8	57	52	55	49	6	10	0	1.53	0.0	0	12.3	40	NW	25	3	10	12		
9	60	51	56	49	7	9	0	0.12	0.0	0	5.3	17	W	125	13	9	12		
10	56	51	54	49	5	11	0	1.19	0.0	0	27.6	47	S	5	1	10	123		
11	57	45	51	49	2	14	0	0.89	0.0	0	28.7	59	W	35	4	10	12		
12	60	44	52	49	3	13	0	0.00	0.0	0	6.8	16	W	899	97	6			
13	63	48	56	49	7	9	0	T	0.0	0	9.8	27	W	533	57	8	12		
14	62	52	57	49	8	8	0	0.00	0.0	0	18.2	38	NW	210	23	9	12		
15	62	51	57	49	8	8	0	0.00	0.0	0	28.7	51	NW	360	39	9	12		
16	60	54	57	49	8	8	0	0.00	0.0	0	19.1	44	N	390	42	8	12		
17	63	54	59	49	10	6	0	1.72	T	0	28.4	90	W	320	35	8	1235*		
18	61	51	56	49	7	9	0	0.68	0.0	0	28.6	65	NW	345	38	8	123		
19	64	53	59	49	10	6	0	0.24	0.0	0	54.5	90	W	45	5	10	123		
20	58	43	51	49	2	14	0	0.35	0.0	0	48.2	78	W	20	2	10	12		
21	53	43	48	49	-1	17	0	0.00	0.0	0	20.8	40	NW	664	73	8	12		
22	53	46	50	49	1	15	0	0.00	0.0	0	21.3	37	W	15	2	10	12		
23	56	49	53	49	4	12	0	1.10	0.0	0	20.7	45	NW	10	1	10	12		
24	51	37	44	49	-5	21	0	0.09	0.0	0	29.8	52	W	77	8	10	12		
25	55	43	49	49	0	16	0	0.00	0.0	0	6.5	13	S	621	69	8	12		
26	52	47	50	49	1	15	0	0.09	0.0	0	18.0	41	N	5	1	10	12		
27	60	46	53	49	4	12	0	0.00	0.0	0	13.7	36	NW	710	79	6	12		
28	61	46	54	49	5	11	0	0.19	0.0	0	19.9	44	S	295	33	9	12		
29	56	44	50	49	1	15	0	0.47	0.0	0	20.1	47	SW	260	29	9	123		
30	47	41	44	49	-5	21	0	T	0.0	0	28.8	54	W	170	19	9	12		
31	55	41	48	49	-1	17	0	0.00	0.0	0	18.5	55	NW	527	59	8	12		
SUM	1797	1494	----	----	----	362	0	11.59	T	----	765.2	----	----	6841	----	282	----		
AVG	58.0	48.2	----	----	----	----	----	----	----	----	24.7	FASTEST	DIR	POSS			----		
											MISC. ->	90	W	28530	24%	9.1	----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	53.1	TOTAL FOR THE MONTH	11.59	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.0	DEPARTURE FROM NORMAL	2.82	CLEAR (SCALE 0-3)	0	TO 1/4 MILE OR LESS	
HIGHEST	64 on 19th	24 HOUR MAX	2.48 on 1st/2nd	PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
LOWEST	37 on 24th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	29	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 17th	WITH .10" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 17th	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.526 on 14th			9 = BLOWING SNOW	
		LOWEST SEA-LEVEL	29.736 on 23rd			X = TORNADO	
TOTAL THIS MONTH	362	AVG STATION	24.002				
DEPARTURE FROM NORMAL	-133						
SEASON TOTAL	362						
DEPARTURE FROM NORMAL	-133						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES: "5" FELL AS SMALL HAIL.				
4TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF SPEEDS FROM HAYS CHART DUE TO DATABASE ISSUES.				
9TH: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS DUE TO DATABASE ISSUES/WINDS TOO LOW TO REGISTER ON HAYS CHART.				
17TH: DAILY SNOWFALL TOTAL ESTIMATED DUE TO MELTING PRIOR TO SAFE ENOUGH CONDITIONS TO COLLECT, & FELL ENTIRELY AS SMALL HAIL.				

  

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
94	91	95	93	93

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 287 HOURS OF PREVAILING WINDS FROM THE W, 39% OF THE TOTAL HOURS OF THE MONTH.