

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JUNE				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.	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS	(TENTHS)		
1	65	53	59	41	18	6	0	0.02	0.0	0	37.9	59	W	560	60	9	12	
2	64	45	55	41	14	10	0	0.65	0.2	0	42.5	101	W	352	38	9	1235*	
3	49	31	40	42	-2	25	0	0.03	0.0	0	34.8	56	NW	170	18	10	12	
4	32	27	30	42	-12	35	0	0.05	0.2	T	56.0	84	NW	10	1	10	1246	
5	41	25	33	42	-9	32	0	0.00	0.0	T	33.1	63	NW	694	74	4	126	
6	46	33	40	43	-3	25	0	0.03	T	0	17.3	50	S	139	15	10	124	
7	44	28	36	43	-7	29	0	1.67	T	0	27.7	50	SE	0	0	10	1246	
8	50	39	45	43	2	20	0	0.50	0.0	0	27.7	50	NW	0	0	10	12	
9	44	37	41	43	-2	24	0	0.16	0.0	0	40.0	62	W	0	0	10	12	
10	52	38	45	44	1	20	0	T	0.0	0	20.5	51	SE	520	55	9	12	
11	46	36	41	44	-3	24	0	1.38	0.0	0	24.0	58	SE	0	0	10	12	
12	38	34	36	44	-8	29	0	1.52	0.0	0	33.9	63	N	0	0	10	12	
13	47	34	41	45	-4	24	0	0.00	0.0	0	15.8	33	N	431	46	9	12	
14	47	35	41	45	-4	24	0	T	T	0	27.6	56	N	421	45	9	125*	
15	44	35	40	45	-5	25	0	0.00	0.0	0	37.1	56	W	917	97	4		
16	50	37	44	45	-1	21	0	0.65	0.0	0	30.9	78	W	416	44	8	12	
17	46	38	42	46	-4	23	0	0.24	0.0	0	44.3	70	NW	0	0	10	12	
18	44	33	39	46	-7	26	0	0.05	0.4	0	26.2	55	W	350	37	9	124	
19	44	33	39	46	-7	26	0	0.00	0.0	0	17.4	33	NW	738	78	5	12	
20	50	35	43	46	-3	22	0	0.00	0.0	0	15.3	38	W	883	94	5		
21	52	40	46	47	-1	19	0	0.00	0.0	0	25.7	42	W	625	66	6		
22	54	46	50	47	3	15	0	0.48	0.0	0	22.1	40	W	0	0	10	12	
23	57	50	54	47	7	11	0	1.34	0.0	0	37.0	76	W	25	3	10	123	
24	58	49	54	47	7	11	0	0.07	0.0	0	51.8	77	NW	30	3	10	123	
25	59	50	55	47	8	10	0	1.75	T	0	28.8	53	NW	50	5	10	1235*	
26	57	49	53	47	6	12	0	0.05	0.0	0	15.2	33	NW	169	18	9	12	
27	61	48	55	48	7	10	0	0.01	0.0	0	15.6	47	W	420	45	9	12	
28	54	43	49	48	1	16	0	1.19	0.0	0	32.9	62	S	10	1	10	12	
29	53	49	51	48	3	14	0	0.54	0.0	0	31.9	58	W	80	9	10	123	
30	57	47	52	48	4	13	0	0.02	0.0	0	28.2	51	W	265	28	9	12	
SUM	1505	1177	----	----	----	601	0	12.40	0.8	----	899.2	----	----	8275	----	263	----	
AVG	50.2	39.2	----	----	----	----	----	----	----	----	30.0	FASTEST	DIR	POSS	----	8.8	----	
											MISC. ->	101	W	28193	29%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	44.7	TOTAL FOR THE MONTH	12.40	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.3	DEPARTURE FROM NORMAL	4.00	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	65 on 1st	24 HOUR MAX	1.80 on 24th/25th	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	25 on 5th	SNOWFALL, ICE PELLETS (IN.)	1	CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.8	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	0.4 on 18th	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 4th, 5th	WITH .50" OR MORE PRECIP	10	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	4			WITH 1.0" OR MORE PRECIP	6	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.447 on 21st			X = TORNADO	
TOTAL THIS MONTH	601	LOWEST SEA-LEVEL	29.636 on 12th				
DEPARTURE FROM NORMAL	-1	AVG STATION	23.831				
SEASON TOTAL	13068						
DEPARTURE FROM NORMAL	-643						

NOTES: **1ST:** NEW DAILY RECORD HIGH OF 65°F; PREVIOUS RECORD OF 63°F SET IN 1937.
2ND: DAILY RECORD HIGH OF 64°F EQUALED; RECORD ORIGINALLY SET IN 1970. "5" FELL AS SMALL AND LARGE HAIL, WHICH ACCOUNTS FOR ALL OF THE DAILY SNOWFALL TOTAL (ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION).
6TH, 7TH, 18TH: DAILY SNOWFALL TOTAL ESTIMATED DUE TO MELTING PRIOR TO COLLECTION.
9TH: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO DATABASE ISSUES.
14TH, 25TH: DAILY SNOWFALL TOTAL ESTIMATED DUE TO MELTING PRIOR TO COLLECTION, AND FELL ENTIRELY AS SMALL HAIL.
"5" FELL AS SMALL HAIL.
24TH: DAILY PRECIPITATION PARTIALLY ESTIMATED DUE TO AN UNREALISTICALLY HIGH COLLECTION DUE TO WET FOG.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
87	85	90	90	88

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 281 HOURS OF PREVAILING WINDS FROM THEW, 39% OF THE TOTAL HOURS OF THE MONTH.