

WS FORM F-6										STATION									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MOUNT WASHINGTON OBSERVATORY									
										MONTH					YEAR				
										OCTOBER					2012				
LATITUDE					LONGITUDE					GROUND ELEVATION (H)					STANDARD TIME				
44 DEGREES 16 MINUTES NORTH					71 DEGREES 18 MINUTES WEST					6280 FT					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	39	31	35	35	0	30	0	0.92	0.9	1	47.5	79	W	0	0	10	1246		
2	51	38	45	35	10	20	0	0.08	0.0	0	32.6	56	W	228	32	9	12		
3	56	50	53	35	18	12	0	0.28	0.0	0	22.3	38	W	0	0	10	12		
4	54	41	48	34	14	17	0	0.29	0.0	0	24.9	55	NW	0	0	10	12		
5	47	37	42	34	8	23	0	0.00	0.0	0	39.9	59	W	285	40	8	12		
6	46	25	36	33	3	29	0	0.34	0.0	0	44.8	70	W	0	0	10	126		
7	33	22	28	33	-5	37	0	0.25	3.4	T	25.7	60	W	85	12	10	126		
8	29	19	24	33	-9	41	0	0.07	0.8	3	24.5	45	W	85	12	9	126		
9	34	22	28	32	-4	37	0	0.00	0.0	3	19.2	38	W	0	0	10	126		
10	39	24	32	32	0	33	0	0.64	0.3	3	39.5	80	NW	0	0	10	1269		
11	25	18	22	32	-10	43	0	0.05	0.1	1	53.7	88	W	0	0	10	1269		
12	26	9	18	31	-13	47	0	0.38	2.7	2	55.4	85	W	0	0	10	1269		
13	20	7	14	31	-17	51	0	0.03	0.5	2	38.8	72	NW	85	13	10	1269		
14	46	18	32	31	1	33	0	0.19	1.2	3	48.1	78	W	0	0	10	12469		
15	47	35	41	30	11	24	0	0.17	0.0	0	44.3	73	SW	20	3	10	12		
16	36	17	27	30	-3	38	0	0.08	0.5	0	45.0	80	W	0	0	10	126		
17	41	23	32	30	2	33	0	0.00	0.0	T	30.9	51	NW	648	97	4			
18	42	35	39	29	10	26	0	0.00	0.0	T	27.0	55	S	537	81	8			
19	49	34	42	29	13	23	0	1.86	0.0	0	46.5	78	SE	0	0	10	12		
20	48	31	40	29	11	25	0	0.15	0.0	0	33.7	55	S	45	7	9	12		
21	32	27	30	29	1	35	0	0.00	0.0	T	58.7	106	W	0	0	10	126		
22	29	25	27	28	-1	38	0	0.00	0.0	T	76.9	107	W	0	0	10	126		
23	35	23	29	28	1	36	0	0.00	0.0	T	49.8	85	NW	636	98	6	126		
24	38	32	35	28	7	30	0	0.00	0.0	T	20.5	39	NW	646	100	4			
25	47	32	40	27	13	25	0	0.00	0.0	T	22.0	35	W	623	97	1	12		
26	55	45	50	27	23	15	0	0.00	0.0	0	6.6	18	W	546	85	3	12		
27	47	36	42	27	15	23	0	0.00	0.0	0	20.9	41	SE	0	0	10	12		
28	41	30	36	26	10	29	0	0.03	0.0	0	38.5	65	E	10	2	10	12		
29	42	33	38	26	12	27	0	1.84	0.0	0	74.1	140	E	0	0	10	12		
30	44	39	42	26	16	23	0	2.96	0.0	0	54.8	110	E	0	0	10	123		
31	43	27	35	26	9	30	0	0.96	0.8	0	43.4	80	SE	0	0	10	126		
SUM	1261	885	---	---	---	933	0	11.57	11.2	---	1210.5	---	---	4479	---	271	---		
AVG	40.7	28.5	---	---	---	---	---	---	---	---	39.0	FASTEST	DIR	POSS	%	8.7	---		
											MISC. ->	140	E	20805	22%		---		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	34.6	TOTAL FOR THE MONTH	11.57	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.4	DEPARTURE FROM NORMAL	3.91			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	56 on 3rd	24 HOUR MAX	3.10 on 29th/30th	CLEAR (SCALE 0-3)	2	3 = THUNDER	
LOWEST	7 on 13th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	3	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	11.2	CLOUDY (SCALE 8-10)	26	5 = HAIL	
MAX. 32 OR BELOW	6	24 HOUR MAX	3.6 on 7th/8th	WITH .01" OR MORE PRECIP	20	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	3.0 on 8th, 9th, 14th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	20	PRESSURE DATA (IN.)		WITH .50" OR MORE PRECIP	6	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.504 on 13th	WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.544 on 29th			9 = BLOWING SNOW	
TOTAL THIS MONTH	933	AVG STATION	23.761			X = TORNADO	
DEPARTURE FROM NORMAL	-146						
SEASON TOTAL	2484						
DEPARTURE FROM NORMAL	-314						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 326 HOURS OF PREVAILING WINDS FROM THE W, 44% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
89	91	88	87	89	

NOTES: 1ST, 31ST: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING AT ONSET OF FROZEN PRECIPITATION & BEFORE COLLECTION
13TH: NEW DAILY RECORD LOW OF 7°F; PREVIOUS RECORD OF 8°F ORIGINALLY SET IN 1936 AND EQUALLED IN 1993.
14TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTICALLY HIGH AMOUNT AT A SYNOPTIC COLLECTION DUE TO WET FOG.
26TH: NEW DAILY RECORD HIGH OF 55°F; PREVIOUS RECORD OF 52°F ORIGINALLY SET IN 1971.
29TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTICALLY LOW AMOUNT AT A SYNOPTIC COLLECTION DUE TO HIGH WINDS.

