

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER				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	52	41	47	36	11	18	0	0.00	0.0	0		19.9	41	W	584	81	3	12
2	47	39	43	35	8	22	0	0.05	0.0	0		50.4	78	W	98	14	9	12
3	44	36	40	35	5	25	0	0.00	0.0	0		34.8	67	NW	671	95	5	12
4	47	38	43	34	9	22	0	T	0.0	0		16.3	34	W	325	46	9	12
5	44	38	41	34	7	24	0	0.01	0.0	0		18.3	28	W	30	4	10	12
6	47	37	42	34	8	23	0	0.46	0.0	0		23.0	61	SW	0	0	10	12
7	51	32	42	33	9	23	0	1.36	0.0	0		50.6	90	W	0	0	10	12
8	40	23	32	33	-1	33	0	0.00	0.0	T		48.8	82	W	190	27	9	126
9	52	36	44	32	12	21	0	0.00	0.0	0		11.5	27	NW	692	100	3	
10	54	44	49	32	17	16	0	0.00	0.0	0		8.0	18	SW	689	100	9	
11	52	40	46	32	14	19	0	0.00	0.0	0		12.8	27	SE	687	100	6	12
12	49	39	44	31	13	21	0	0.00	0.0	0		8.0	28	E	634	93	3	12
13	46	39	43	31	12	22	0	0.00	0.0	0		6.0	15	NW	675	99	3	
14	50	39	45	31	14	20	0	0.02	0.0	0		15.0	31	W	243	36	8	12
15	44	37	41	30	11	24	0	0.00	0.0	0		17.4	33	S	107	16	9	12
16	46	37	42	30	12	23	0	T	0.0	0		26.8	55	SW	380	57	9	12
17	45	34	40	30	10	25	0	0.18	0.0	0		36.0	64	W	7	1	10	12
18	42	25	34	29	5	31	0	0.63	0.0	0		51.3	77	W	0	0	10	126
19	36	25	31	29	2	34	0	0.02	0.1	T		36.1	77	W	280	42	9	1246
20	32	20	26	29	-3	39	0	0.11	0.3	T		51.4	75	W	110	17	9	126
21	34	18	26	28	-2	39	0	0.00	0.0	T		41.0	65	NW	285	44	9	126
22	32	18	25	28	-3	40	0	0.30	1.6	T		42.1	70	SW	10	2	10	126
23	24	16	20	28	-8	45	0	0.01	0.1	T		31.1	61	W	245	38	9	126
24	19	12	16	28	-12	49	0	0.21	1.6	1		56.7	83	W	0	0	10	126
25	17	11	14	27	-13	51	0	0.08	0.6	1		50.3	75	W	20	3	10	126
26	20	11	16	27	-11	49	0	0.08	1.1	1		40.1	64	NW	15	2	10	126
27	23	15	19	27	-8	46	0	0.08	0.7	2		41.8	68	W	0	0	10	126
28	22	10	16	26	-10	49	0	0.25	1.1	2		48.8	89	NW	0	0	10	1269
29	20	11	16	26	-10	49	0	0.00	0.0	2		10.3	25	W	633	100	1	
30	23	11	17	26	-9	48	0	0.01	0.2	2		40.8	61	W	15	2	10	126
31	42	22	32	26	6	33	0	0.73	T	2		48.6	92	SW	40	6	10	1246
SUM	1196	854	----	----	----	983	0	4.59	7.4	----		994.0	----	----	7665	----	252	----
AVG	38.6	27.5	----	----	----	----	----	----	----	----		32.1	FASTEST	DIR	POSS	%		----
												MISC. ->	92	SW	20805	37%	8.1	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	33.1	TOTAL FOR THE MONTH	4.59	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	2.9	DEPARTURE FROM NORMAL	-4.68			2 = FOG REDUCING VISIBILITY	
HIGHEST	54 on 10th	24 HOUR MAX	1.36 on 7th	CLEAR (SCALE 0-3)	5	TO 1/4 MILE OR LESS	
LOWEST	10 on 28th			PARTLY CLOUDY (SCALE 4-7)	2	3 = THUNDER	
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
						5 = HAIL	
MAX. 32 OR BELOW	10	TOTAL FOR THE MONTH	7.4	WITH .01" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	1.6 on 22nd, 24th	WITH .10" OR MORE PRECIP	9	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	16	MAX DEPTH ON GROUND	2 on 26th-31st	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.597 on 9th				
		LOWEST SEA-LEVEL	29.659 on 24th				
TOTAL THIS MONTH	983	AVG STATION	23.811				
DEPARTURE FROM NORMAL	-96						
SEASON TOTAL	2605						
DEPARTURE FROM NORMAL	-193						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						
NOTES:							
1ST: DAILY AVERAGE WIND SPEED CONTAINS 8 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.							
2ND: DAILY AVERAGE WIND SPEED CONTAINS 3 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.							
3RD: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO DATABASE MAINTENANCE.							
22ND: DAILY SNOWFALL & PRECIPITATION TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT OF SNOW IN CAN FROM HIGH WINDS.							
26TH: DAILY AVERAGE WIND SPEED CONTAINS 7 HOURS OF ESTIMATED SPEEDS (FROM HAYS CHART) DUE TO TIME-SYNC ISSUES WITH DATABASE.							
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE			
0600	1200	1800	0000	MONTH	RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.		
78	85	84	82	82	THERE WERE 371 HOURS OF PREVAILING WINDS FROM THE W,		
				50% OF THE TOTAL HOURS OF THE MONTH.			