

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH OCTOBER					YEAR 2007				
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	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS		
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL	(EQUIV)	ICE			SPEED	SPEED	DIR					
1	53	43	48	35	13	17	0	0.00	0.0	0	0	22.0	33	W	609	85	7		
2	51	38	45	35	10	20	0	0.00	0.0	0	0	23.1	36	SW	191	27	9	12	
3	49	40	45	35	10	20	0	0.00	0.0	0	0	33.0	68	W	65	9	10	12	
4	51	42	47	34	13	18	0	0.00	0.0	0	0	35.1	63	W	447	63	5	12	
5	59	47	53	34	19	12	0	0.00	0.0	0	0	26.0	43	NW	704	100	1	12	
6	54	44	49	33	16	16	0	0.70	0.0	0	0	28.2	56	NW	320	46	9	12	
7	48	36	42	33	9	23	0	0.00	0.0	0	0	31.3	51	NW	525	75	5	12	
8	47	30	39	33	6	26	0	0.64	0.0	0	0	53.5	86	NW	0	0	10	126	
9	46	26	36	32	4	29	0	0.25	0.0	0	0	20.5	85	N	480	69	6	126	
10	39	34	37	32	5	28	0	0.11	0.0	0	0	22.1	40	SW	10	1	10	12	
11	39	35	37	32	5	28	0	0.24	0.0	0	0	20.5	63	E	30	4	10	12	
12	41	20	31	31	0	34	0	1.18	0.2	0	0	40.9	77	NW	0	0	10	12469	
13	26	18	22	31	-9	43	0	0.13	1.1	T	0	37.9	64	NW	459	68	6	1269	
14	24	18	21	31	-10	44	0	0.24	2.5	1	0	51.8	77	NW	0	0	10	1269	
15	26	20	23	30	-7	42	0	0.06	0.5	2	0	55.1	80	NW	0	0	10	1269	
16	40	20	30	30	0	35	0	0.02	0.1	3	0	31.6	69	NW	671	100	1	1269	
17	41	36	39	30	9	26	0	0.00	0.0	2	0	29.9	42	NW	538	81	7	12	
18	47	39	43	29	14	22	0	0.00	0.0	0	0	24.5	40	NW	10	2	10	12	
19	53	42	48	29	19	17	0	1.62	0.0	0	0	36.0	81	S	0	0	10	12	
20	42	33	38	29	9	27	0	1.39	T	0	0	55.4	90	W	10	2	10	124	
21	48	31	40	29	11	25	0	0.00	0.0	0	0	67.9	110	W	432	66	4	126	
22	57	46	52	28	24	13	0	0.00	0.0	0	0	42.2	70	W	642	98	3		
23	53	32	43	28	15	22	0	0.95	0.0	0	0	55.8	108	SW	5	1	10	12	
24	39	28	34	28	6	31	0	0.04	0.0	0	0	22.0	66	W	40	6	9	126	
25	40	23	32	27	5	33	0	0.00	0.0	0	0	13.9	36	N	571	89	4		
26	50	38	44	27	17	21	0	0.07	0.0	0	0	16.8	39	S	607	95	3	12	
27	49	33	41	27	14	24	0	1.99	0.0	0	0	49.0	81	W	0	0	10	12	
28	35	8	22	26	-4	43	0	0.34	0.5	T	0	75.5	105	W	0	0	10	12469	
29	21	5	13	26	-13	52	0	T	0.1	T	0	50.4	85	NW	373	59	7	1269	
30	29	19	24	26	-2	41	0	0.09	0.6	1	0	48.4	81	NW	230	37	7	1269	
31	38	28	33	26	7	32	0	0.00	0.0	1	0	36.1	81	SW	510	81	5	126	
SUM	1335	952	----	----	----	864	0	10.06	5.6	----	----	1156.4	----	----	8479	----	228	----	
AVG	43.1	30.7	----	----	----	----	----	----	----	----	----	37.3	FASTEST	DIR	POSS	%		----	
												MISC. ->	110	W	20805	41%	7.4	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	36.9	TOTAL FOR THE MONTH	10.06	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	6.7	DEPARTURE FROM NORMAL	2.40			2 = FOG REDUCING VISIBILITY	
HIGHEST	59 on 5th	24 HOUR MAX	2.67 on 19/20th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	5 on 29th			PARTLY CLOUDY (SCALE 4-7)	11	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	16	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	5.6	WITH .01" OR MORE PRECIP	18	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	5	24 HOUR MAX	2.9 on 13/14th	WITH .10" OR MORE PRECIP	13	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	3.0 on 16th	WITH .50" OR MORE PRECIP	7	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	15			WITH 1.0" OR MORE PRECIP	4	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	30.619 on 26th				
		LOWEST SEA-LEVEL	29.628 on 12th				
TOTAL THIS MONTH	864	AVG STATION	23.853				
DEPARTURE FROM NORMAL	-215						
SEASON TOTAL	2478						
DEPARTURE FROM NORMAL	-386						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: 19TH: DAILY RECORD HIGH OF 53° F TIED, ORIGINAL RECORD WAS SET IN 1947 AND 1965.				
22ND: NEW DAILY RECORD HIGH OF 57° F, ORIGINAL RECORD OF 55° F WAS SET IN 1979.				
23RD: DAILY RECORD HIGH OF 53° F TIED, ORIGINAL RECORD WAS SET IN 1979.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
78	71	73	81	76

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 307 HOURS OF PREVAILING WINDS FROM THE W, 41% OF THE TOTAL HOURS OF THE MONTH.