

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH OCTOBER				YEAR 2010				
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 SPEED	DIR	TOTAL	% POSS	(TENTHS)	OCCUR.	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL											
1	57	32	45	35	10	20	0	2.37	0.0	0	30.8	72	SW	0	0	10	12	
2	36	24	30	35	-5	35	0	0.00	0.0	T	31.3	58	NW	575	81	3	126	
3	42	26	34	35	-1	31	0	0.00	0.0	0	11.8	25	W	705	99	3	126	
4	46	30	38	34	4	27	0	0.03	0.0	0	18.7	38	E	515	73	8	12	
5	52	36	44	34	10	21	0	0.04	0.0	0	15.2	48	E	90	13	9	12	
6	40	29	35	33	2	30	0	0.09	0.0	0	36.8	69	E	0	0	10	126	
7	38	26	32	33	-1	33	0	0.45	0.8	T	50.4	98	NW	0	0	10	1246	
8	32	26	29	33	-4	36	0	0.71	0.9	1	54.5	86	NW	0	0	10	1246	
9	30	16	23	32	-9	42	0	0.00	0.0	1	59.5	81	NW	0	0	10	126	
10	30	16	23	32	-9	42	0	0.00	0.0	1	54.4	75	NW	625	91	4	126	
11	29	21	25	32	-7	40	0	0.00	0.0	1	44.0	67	W	305	44	9	126	
12	31	22	27	31	-4	38	0	0.00	0.0	T	23.3	45	NW	272	40	6	126	
13	34	23	29	31	-2	36	0	0.00	0.0	T	17.2	46	W	572	84	3	126	
14	32	24	28	31	-3	37	0	0.04	0.2	T	18.1	36	SE	148	22	9	126	
15	31	22	27	30	-3	38	0	1.29	5.5	2	46.8	90	E	0	0	10	12469	
16	24	20	22	30	-8	43	0	0.52	2.8	3	50.2	80	NW	0	0	10	1269	
17	28	19	24	30	-6	41	0	0.11	0.6	6	57.2	88	NW	0	0	10	12469	
18	20	16	18	29	-11	47	0	0.00	0.0	6	53.5	75	W	0	0	10	1269	
19	23	14	19	29	-10	46	0	0.00	0.0	6	34.5	57	W	541	82	8	126	
20	29	23	26	29	-3	39	0	0.00	0.0	6	27.0	56	W	170	26	8	126	
21	28	11	20	29	-9	45	0	0.21	1.6	6	41.8	83	W	15	2	10	1269	
22	14	8	11	28	-17	54	0	0.11	0.8	7	66.9	92	W	0	0	10	1269	
23	22	7	15	28	-13	50	0	0.00	0.0	8	52.9	84	NW	350	54	8	1269	
24	36	19	28	28	0	37	0	0.09	T	7	31.3	49	W	0	0	10	129	
25	44	34	39	27	12	26	0	0.49	0.0	5	35.9	52	SW	50	8	10	12	
26	49	41	45	27	18	20	0	0.39	0.0	2	21.5	61	S	365	57	9	12	
27	51	36	44	27	17	21	0	0.21	0.0	T	44.3	81	NW	0	0	10	12	
28	40	25	33	26	7	32	0	0.00	0.0	T	42.5	62	W	434	68	5	126	
29	27	11	19	26	-7	46	0	0.36	2.2	T	38.7	71	NW	0	0	10	1269	
30	23	8	16	26	-10	49	0	0.28	2.3	1	51.0	80	NW	0	0	10	1269	
31	23	7	15	26	-11	50	0	0.27	2.6	3	41.1	67	NW	0	0	10	1269	
SUM	1041	672	----	----	----	1152	0	8.06	20.3	----	1203.1	----	----	5732	----	262	----	
AVG	33.6	21.7	----	----	----	----	----	----	----	----	38.8	FASTEST	DIR	POSS	%		----	
											MISC. ->	98	NW	20805	28%	8.5	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	27.7	TOTAL FOR THE MONTH	8.06	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-2.5	DEPARTURE FROM NORMAL	0.40			2 = FOG REDUCING VISIBILITY	
HIGHEST	57 on 1st	24 HOUR MAX	2.78 9/30-10/1	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	7 on 23rd, 31st			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	20.3	WITH .01" OR MORE PRECIP	19	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	18	24 HOUR MAX	5.5 15th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	8.0 22nd, 23rd	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	27			WITH 1.0" OR MORE PRECIP	2	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	30.417 4th				
		LOWEST SEA-LEVEL	29.139 15th				
TOTAL THIS MONTH	1152	AVG STATION	23.580				
DEPARTURE FROM NORMAL	73						
SEASON TOTAL	2732						
DEPARTURE FROM NORMAL	-132						
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:	1ST: DAILY RECORD HIGH OF 57°F EQUALED; RECORD PREVIOUSLY SET IN 1950 AND 1995.
	8TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING OF SOLID PRECIPITATION BEFORE CAN COLLECTION.
	14TH: DAILY AVG WIND SPEED CONTAINS 3 HRS OF ESTIMATED WIND SPEEDS DUE TO WATER IN TP LINE OF PITOT.
	22ND: DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO BLOWING SNOW IN CAN.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
	0600	1200	1800	0000	MONTH
	87	91	89	88	89

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 312 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.