

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH SEPTEMBER				YEAR 2011			
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	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED DIR		TOTAL	% POSS			
1	55	43	49	45	4	16	0	0.00	0.0	0	11.7	29	W	85	11	10	12	
2	59	45	52	44	8	13	0	0.00	0.0	0	11.3	32	W	615	77	5	12	
3	59	51	55	44	11	10	0	0.37	0.0	0	25.7	45	NW	5	1	10	123	
4	62	52	57	44	13	8	0	0.78	T	0	30.3	78	W	140	18	9	1235*	
5	55	38	47	43	4	18	0	1.99	0.0	0	34.0	70	SW	0	0	10	12	
6	42	37	40	43	-3	25	0	0.45	0.0	0	23.2	46	N	0	0	10	12	
7	53	40	47	43	4	18	0	0.52	0.0	0	21.5	37	SE	0	0	10	12	
8	57	50	54	43	11	11	0	0.26	0.0	0	16.8	31	SW	340	43	9	12	
9	55	39	47	42	5	18	0	0.00	0.0	0	35.9	70	NW	315	40	9	12	
10	45	36	41	42	-1	24	0	0.00	0.0	0	29.5	62	NW	779	100	1		
11	47	36	42	42	0	23	0	0.00	0.0	0	31.7	61	W	160	21	9	12	
12	51	43	47	42	5	18	0	0.00	0.0	0	29.7	67	W	21	3	10	12	
13	55	46	51	41	10	14	0	0.00	0.0	0	31.5	79	W	245	32	8	12	
14	51	42	47	41	6	18	0	0.19	0.0	0	41.5	83	W	45	6	10	12	
15	49	25	37	41	-4	28	0	0.46	0.1	0	36.2	80	W	0	0	10	1246	
16	27	23	25	40	-15	40	0	0.15	0.8	T	54.3	77	NW	0	0	10	12469	
17	37	24	31	40	-9	34	0	0.00	0.0	1	16.6	49	N	400	53	6	126	
18	37	29	33	40	-7	32	0	0.00	0.0	T	10.1	24	E	55	7	9	12	
19	43	33	38	39	-1	27	0	0.00	0.0	T	13.2	41	SW	705	94	3		
20	44	36	40	39	1	25	0	0.02	0.0	0	37.9	60	W	0	0	10	12	
21	51	36	44	39	5	21	0	0.00	0.0	0	21.8	43	W	740	99	5	12	
22	52	46	49	39	10	16	0	0.15	0.0	0	22.8	45	SW	15	2	10	12	
23	56	48	52	38	14	13	0	0.03	0.0	0	14.0	41	SE	365	49	9	12	
24	58	52	55	38	17	10	0	0.18	0.0	0	18.2	44	S	0	0	10	12	
25	57	48	53	37	16	12	0	0.00	0.0	0	33.1	51	NW	585	80	5	12	
26	55	47	51	37	14	14	0	0.00	0.0	0	29.2	47	NW	717	98	4		
27	58	47	53	37	16	12	0	0.00	0.0	0	13.7	27	NW	728	100	4		
28	52	43	48	36	12	17	0	0.00	0.0	0	17.1	42	SW	460	63	8	12	
29	49	40	45	36	9	20	0	2.39	0.0	0	36.2	69	S	0	0	10	12	
30	45	36	41	36	5	24	0	1.25	0.0	0	38.6	73	W	255	35	6	123	
SUM	1516	1211	----	----	----	579	0	9.19	0.9	----	787.3	----	----	7775	----	239	----	
AVG	50.5	40.4	----	----	----	----	----	----	----	----	26.2	FASTEST	DIR	POSS	%		----	
											MISC. ->	83	W	22883	34%	8.0	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	45.5	TOTAL FOR THE MONTH	9.19	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.1	DEPARTURE FROM NORMAL	0.64	CLEAR (SCALE 0-3)	2	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	62 on 4th	24 HOUR MAX	2.42 on 5th/6th	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	23 on 16th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.9	WITH .01" OR MORE PRECIP	15	5 = HAIL	
MAX. 32 OR BELOW	1	24 HOUR MAX	0.9 on 15th/16th	WITH .10" OR MORE PRECIP	13	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 16th, 17th	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	4			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.625 on 18th			X = TORNADO	
TOTAL THIS MONTH	579	LOWEST SEA-LEVEL	29.615 on 29th				
DEPARTURE FROM NORMAL	-160	AVG STATION	23.933				
SEASON TOTAL	1505						
DEPARTURE FROM NORMAL	-280						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: * FELL AS SMALL HAIL
4TH: SNOWFALL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION; FELL AS SMALL HAIL
4TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO EVAPORATION PRIOR TO CAN COLLECTION.
20TH: DAILY PRECIPITATION TOTAL ESTIMATED DUE TO TOO MUCH WATER IN CAN AT COLLECTION; POSSIBLY DUE TO TAMPING.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
81	87	86	83	84

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 287 HOURS OF PREVAILING WINDS FROM THE W, 40% OF THE TOTAL HOURS OF THE MONTH.