

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER				YEAR 2006			
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	49	36	43	45	-2	22	0	0.00	0.0	0	16.0	51	SE	200	25	8	12
2	40	32	36	44	-8	29	0	0.00	0.0	0	40.7	56	SE	20	2	10	12
3	51	37	44	44	0	21	0	0.58	0.0	0	39.5	59	S	0	0	10	12
4	47	42	45	44	1	20	0	0.20	0.0	0	28.0	65	W	0	0	10	12
5	53	42	48	43	5	17	0	0.13	0.0	0	10.6	56	NW	154	19	9	12
6	48	41	45	43	2	20	0	0.12	0.0	0	8.1	21	W	0	0	10	12
7	48	40	44	43	1	21	0	0.00	0.0	0	14.3	34	W	115	15	9	12
8	55	39	47	43	4	18	0	0.00	0.0	0	21.5	53	W	650	83	6	12
9	50	34	42	42	0	23	0	0.90	T*	0	38.6	80	W	0	0	10	123
10	35	27	31	42	-11	34	0	0.00	0.0	0	20.0	46	NW	186	24	8	126
11	39	25	32	42	-10	33	0	0.00	0.0	0	8.6	20	E	482	62	6	
12	47	30	39	42	-3	26	0	0.00	0.0	0	9.1	22	E	774	100	3	
13	49	40	45	41	4	20	0	0.17	0.0	0	20.1	46	W	20	3	10	12
14	48	43	45	41	4	20	0	0.58	0.0	0	22.5	44	W	0	0	10	12
15	54	46	50	41	9	15	0	0.04	0.0	0	8.5	23	N	30	4	10	12
16	61	46	54	40	14	11	0	0.00	0.0	0	11.1	25	N	700	92	2	
17	55	48	52	40	12	13	0	0.00	0.0	0	31.5	60	W	758	100	2	12
18	59	46	53	40	13	12	0	0.00	0.0	0	36.1	62	W	457	60	8	12
19	56	38	47	39	8	18	0	0.61	0.0	0	31.0	62	SW	305	41	7	12
20	39	31	35	39	-4	30	0	0.22	T	0	31.1	61	W	320	43	7	12
21	33	23	28	39	-11	37	0	0.17	0.3	0	49.0	81	W	260	35	8	126
22	36	27	32	39	-7	33	0	0.04	T	0	34.2	65	W	10	1	10	1246
23	47	35	41	38	3	24	0	0.18	0.0	0	34.1	66	W	0	0	10	12
24	51	32	42	38	4	23	0	0.55	0.0	0	55.8	96	W	0	0	10	123
25	33	29	31	37	-6	34	0	0.00	0.0	0	38.0	65	W	25	3	10	126
26	33	29	31	37	-6	34	0	0.01	0.0	0	43.3	80	W	87	12	10	126
27	39	29	34	37	-3	31	0	0.00	0.0	0	18.3	33	S	390	54	6	126
28	40	35	38	36	2	27	0	T	0.0	0	29.3	59	S	35	5	9	12
29	43	22	33	36	-3	32	0	1.09	0.5	0	39.3	67	NW	0	0	10	1246
30	33	21	27	36	-9	38	0	0.00	0.0	1	24.5	61	W	145	20	8	126
SUM	1371	1045	----	----	----	736	0	5.59	0.8	----	812.7	----	----	6123	----	246	----
AVG	45.7	34.8	----	----	----	----	----	----	----	----	27.1	FASTEST	DIR	POSS	%		----
											MISC. ->	96	W	22883	27%	8.2	----

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	40.3	TOTAL FOR THE MONTH	5.59	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	-0.1	DEPARTURE FROM NORMAL	-2.96			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 16	24 HOUR MAX	1.09 on 29	CLEAR (SCALE 0-3)	3	TO 1/4 MILE OR LESS	
LOWEST	21 on 30			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
MAX. 32 OR BELOW	0	TOTAL FOR THE MONTH	0.8	WITH .01" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	0.5 on 29	WITH .10" OR MORE PRECIP	13	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	13	MAX DEPTH ON GROUND	1 on 30	WITH .50" OR MORE PRECIP	6	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	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.603 on 2			X = TORNADO	
		LOWEST SEA-LEVEL	29.538 on 24				
TOTAL THIS MONTH	736	AVG STATION	23.853				
DEPARTURE FROM NORMAL	-3						
SEASON TOTAL	1696						
DEPARTURE FROM NORMAL	-89						
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 302 HOURS OF PREVAILING WINDS FROM THE WEST, 42% OF THE TOTAL HOURS OF THE MONTH.
0600	1200	1800	0000	MONTH	
81	86	88	87	86	