

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER			YEAR 2005						
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	HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS			
1	51	45	48	45	3	17	0	0.20	0.0	0	53.9	82	NW	0	0	10	12		
2	53	42	48	44	4	17	0	0.00	0.0	0	36.8	77	W	120	15	8	12		
3	46	40	43	44	-1	22	0	0.00	0.0	0	47.6	81	NW	0	0	10	12		
4	45	39	42	44	-2	23	0	0.26	0.0	0	22.0	44	NW	82	10	9	12		
5	55	39	47	43	4	18	0	0.00	0.0	0	13.7	35	NW	794	100	1			
6	61	50	56	43	13	9	0	0.00	0.0	0	9.8	23	W	792	100	3			
7	61	47	54	43	11	11	0	0.00	0.0	0	10.1	39	W	788	100	2	12		
8	60	44	52	43	9	13	0	0.00	0.0	0	23.6	52	W	440	56	8	12		
9	45	32	39	42	-3	26	0	0.00	0.0	0	39.3	63	NW	300	38	8	12		
10	42	28	35	42	-7	30	0	0.00	0.0	0	30.8	62	NW	756	97	2	126		
11	53	37	45	42	3	20	0	0.00	0.0	0	31.5	84	W	776	100	5			
12	56	43	50	42	8	15	0	0.00	0.0	0	62.0	118	W	0	0	10	12		
13	58	51	55	41	14	10	0	0.00	0.0	0	26.9	47	SW	20	3	10	128		
14	60	52	56	41	15	9	0	0.00	0.0	0	30.9	55	SW	630	82	5	128		
15	56	49	53	41	12	12	0	0.97	0.0	0	15.3	43	W	10	1	10	128		
16	58	48	53	40	13	12	0	0.24	0.0	0	15.4	45	SE	85	11	10	12		
17	56	48	52	40	12	13	0	0.07	0.0	0	17.3	40	SW	0	0	10	12		
18	50	40	45	40	5	20	0	0.00	0.0	0	26.0	50	W	0	0	10	12		
19	47	40	44	39	5	21	0	0.00	0.0	0	36.3	65	W	25	3	10	12		
20	50	42	46	39	7	19	0	0.07	0.0	0	51.2	95	W	0	0	10	12		
21	47	35	41	39	2	24	0	0.00	0.0	0	64.7	101	W	146	20	9	12		
22	53	43	48	39	9	17	0	0.00	0.0	0	43.0	65	W	315	42	8	12		
23	50	28	39	38	1	26	0	0.15	0.0	0	55.7	92	W	50	7	9	126		
24	48	27	38	38	0	27	0	0.00	0.0	0	23.8	56	N	737	100	1	126		
25	53	38	46	37	9	19	0	0.08	0.0	0	41.0	60	W	60	8	10	12		
26	52	48	50	37	13	15	0	1.40	0.0	0	55.1	93	SW	0	0	10	12		
27	48	31	40	37	3	25	0	0.02	0.0	0	46.4	81	NW	25	3	10	126		
28	44	32	38	36	2	27	0	0.00	0.0	0	23.6	61	S	725	100	2	12		
29	46	25	36	36	0	29	0	0.73	T	0	61.8	129	W	0	0	10	12346		
30	37	20	29	36	-7	36	0	0.15	1.0	1	28.9	48	NW	675	94	7	126		
SUM	1541	1183	----	----	----	582	0	4.34	1.0	----	1044.4	----	----	8351	----	227	----	----	
AVG	51.4	39.4	----	----	----	----	----	----	----	----	34.8	FASTEST	DIR	POSS	%			----	
												MISC. ->	129	W	22883	36%	7.6	----	----

  

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	45.4	TOTAL FOR THE MONTH	4.34	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5	DEPARTURE FROM NORMAL	-4.21			2 = FOG REDUCING VISIBILITY	
HIGHEST	61 on 6th, 7th	24 HOUR MAX	1.40 on 26th	CLEAR (SCALE 0-3)	6	TO 1/4 MILE OR LESS	
LOWEST	20 on 30th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	1.0	WITH .01" OR MORE PRECIP	12	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	0	24 HOUR MAX	1.0 on 30th	WITH .10" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	1 on 30th	WITH .50" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	8			WITH 1.0" OR MORE PRECIP	1	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	30.585 6TH				
		LOWEST SEA-LEVEL	29.690 26TH				
TOTAL THIS MONTH	582	AVG STATION	23.9455				
DEPARTURE FROM NORMAL	-157						
SEASON TOTAL	1383						
DEPARTURE FROM NORMAL	-402						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

  

NOTES:				
AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR		NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE		
0600	1200	1800	0000	MONTH
76	84	80	84	81

THERE WERE 272 HOURS OF PREVAILING WINDS FROM THE WEST, 38% OF THE TOTAL HOURS OF THE MONTH.