

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JULY				YEAR 2005			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT			STANDARD TIME EASTERN				
TEMPERATURE (°F)						DEGREE DAYS			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 MILE SPEED	DIR	TOTAL	% POSS			
1	60	50	55	48	7	10	0	0.04	0.0	0	14.2	34	W	215	23	8	12	
2	52	39	46	48	-2	19	0	0.00	0.0	0	29.2	43	W	308	33	7	12	
3	57	40	49	48	1	16	0	0.00	0.0	0	7.6	28	NW	750	80	4	12	
4	63	46	55	48	7	10	0	0.00	0.0	0	9.6	23	W	913	97	5	12	
5	60	51	56	48	8	9	0	0.10	0.0	0	18.8	31	W	20	2	10	123	
6	56	43	50	48	2	15	0	0.43	0.0	0	7.8	18	E	0	0	10	12	
7	53	45	49	48	1	16	0	0.02	0.0	0	3.8	9	NE	375	40	8	12	
8	50	45	48	48	0	17	0	0.07	0.0	0	12.5	25	SE	0	0	10	12	
9	50	43	47	48	-1	18	0	0.92	0.0	0	19.0	42	SE	15	2	10	12	
10	58	44	51	49	2	14	0	1.38	0.0	0	32.8	61	N	455	49	7	123	
11	58	50	54	49	5	11	0	0.00	0.0	0	25.2	59	N	595	64	7	12	
12	62	50	56	49	7	9	0	0.00	0.0	0	10.6	18	N	474	51	6		
13	62	50	56	49	7	9	0	0.00	0.0	0	6.7	16	W	498	54	6	12	
14	60	50	55	49	6	10	0	1.64	0.0	0	22.2	42	W	130	14	10	123	
15	61	49	55	49	6	10	0	0.00	0.0	0	11.6	32	NW	759	82	3	12	
16	66	50	58	49	9	7	0	0.00	0.0	0	12.2	22	NW	450	49	6	12	
17	64	57	61	49	12	4	0	0.00	0.0	0	9.8	19	SW	65	7	9	12	
18	62	57	60	49	11	5	0	0.12	0.0	0	17.2	26	W	0	0	10	12	
19	65	50	58	49	9	7	0	2.74	T*	0	19.5	60	W	80	9	9	1235	
20	58	50	54	49	5	11	0	0.00	0.0	0	16.9	34	NW	224	24	8	12	
21	63	52	58	49	9	7	0	0.00	0.0	0	15.5	33	NW	728	80	6	12	
22	65	46	56	49	7	9	0	0.15	0.0	0	14.1	30	NW	40	4	9	123	
23	50	39	45	49	-4	20	0	0.00	0.0	0	32.0	55	NW	534	59	5	12	
24	50	37	44	49	-5	21	0	0.00	0.0	0	27.0	60	N	858	94	3	12	
25	56	49	53	49	4	12	0	0.09	0.0	0	32.7	56	W	10	1	10	12	
26	64	52	58	49	9	7	0	0.16	0.0	0	21.8	48	W	525	58	8	12	
27	60	40	50	49	1	15	0	0.35	0.0	0	30.7	55	W	0	0	10	12	
28	56	37	47	49	-2	18	0	0.00	0.0	0	6.6	18	W	375	42	7	12	
29	53	42	48	49	-1	17	0	0.00	0.0	0	20.3	32	NW	290	32	8	12	
30	52	42	47	49	-2	18	0	0.00	0.0	0	18.8	28	NW	634	71	6	12	
31	51	43	47	49	-2	18	0	0.00	0.0	0	12.9	33	W	20	2	10	12	
SUM	1797	1438	----	----	----	389	0	8.21	----	----	539.6	----	----	10340	----	235	----	
AVG	58.0	46.4	----	----	----	----	----	----	----	----	17.4	FASTEST	DIR	POSS			----	
												61	N	28530	36%	7.6	----	
												MISC. ->						

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	52.2	TOTAL FOR THE MONTH	8.21	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	3.5	DEPARTURE FROM NORMAL	0.19			2 = FOG REDUCING VISIBILITY	
HIGHEST	66 on 16th	24 HOUR MAX	2.74 on 19th	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	37 on 24th, 28th	SNOWFALL, ICE PELLETS (IN.)		PARTLY CLOUDY (SCALE 4-7)	12	3 = THUNDER	
NUMBER OF DAYS WITH:				CLOUDY (SCALE 8-10)	17	4 = ICE PELLETS	
		TOTAL FOR THE MONTH	Trace	WITH .01" OR MORE PRECIP	14	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	Trace on 19th	WITH .10" OR MORE PRECIP	10	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	3	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	0					8 = SMOKE OR HAZE	
						9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.484 on 31st				
		LOWEST SEA-LEVEL	29.779 on 2nd				
TOTAL THIS MONTH	389	AVG STATION	23.944				
DEPARTURE FROM NORMAL	-116						
SEASON TOTAL	389						
DEPARTURE FROM NORMAL	-116						
		NOTES:					
			* Denotes snowfall in the form of hail				
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				
0600	1200	1800	0000	MONTH
84	81	89	92	87

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 259 HOURS OF PREVAILING WINDS FROM THE W 35% OF THE TOTAL HOURS OF THE MONTH.