

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH FEBRUARY			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	23	14	19	5	14	46	0	0.00	0.0	2	15.9	23	W	602	100	1		
2	30	17	24	5	19	41	0	0.00	0.0	2	18.6	26	SW	604	100	2		
3	29	22	26	5	21	39	0	0.00	0.0	2	15.6	28	SW	365	60	7		
4	33	24	29	5	24	36	0	T	T	2	11.0	17	NE	249	41	8	126	
5	36	23	30	5	25	35	0	0.00	0.0	2	16.8	28	N	613	100	1		
6	42	32	37	5	32	28	0	0.00	0.0	2	5.0	16	W	615	100	2		
7	37	27	32	5	27	33	0	0.00	0.0	2	22.8	38	W	289	47	8		
8	35	24	30	5	25	35	0	0.20	0.6	2	34.6	72	W	0	0	10	126	
9	26	18	22	5	17	43	0	0.05	0.5	3	26.3	60	NW	0	0	10	126	
10	19	0	10	6	4	55	0	1.05	10.8	5	41.4	72	N	0	0	10	1269	
11	2	-6	-2	6	-8	67	0	1.35	10.1	14	76.8	117	NW	0	0	10	1269	
12	7	-4	2	6	-4	63	0	0.38	4.5	7	57.4	101	NW	0	0	10	1269	
13	14	-4	5	6	-1	60	0	0.08	2.1	10	36.0	61	NW	387	61	4	1269	
14	18	9	14	6	8	51	0	0.17	1.7	10	30.9	74	S	209	33	9	1269	
15	27	13	20	6	14	45	0	0.38	3.1	12	48.6	71	S	275	43	7	1269	
16	30	7	19	7	12	46	0	0.79	4.2	11	37.8	65	NW	0	0	10	1269	
17	7	0	4	7	-3	61	0	0.00	0.0	15	29.2	70	W	647	100	4	1269	
18	1	-12	-6	7	-13	71	0	0.20	4.9	15	17.9	42	NW	50	8	10	126	
19	-4	-14	-9	7	-16	74	0	0.09	0.7	16	35.9	71	W	306	47	7	1269	
20	7	-17	-5	7	-12	70	0	0.31	1.7	14	47.3	84	W	656	100	2	1269	
21	7	-8	-1	8	-9	66	0	0.30	4.5	13	22.3	47	SE	0	0	10	126	
22	16	5	11	8	3	54	0	0.01	0.2	16	19.0	32	W	0	0	10	126	
23	7	-10	-2	8	-10	67	0	0.48	5.6	18	38.3	58	NW	0	0	10	1269	
24	1	-12	-6	8	-14	71	0	T	T	17	14.5	42	NW	309	46	8	126	
25	-1	-7	-4	9	-13	69	0	0.03	0.5	17	15.0	28	NW	200	30	7	126	
26	1	-9	-4	9	-13	69	0	T	T	17	29.3	65	NW	453	67	6	1269	
27	3	-13	-5	9	-14	70	0	0.00	0.0	14	61.7	82	NW	456	68	4	1269	
28	23	2	13	9	4	52	0	0.00	0.0	6	26.3	60	SE	20	3	10	1	
29				9			0											
SUM	476	121	----	----	----	1517	0	5.87	55.7	----	852.2	----	----	7305	----	197	----	
AVG	17	4	----	----	----	----	----	----	----	----	30.4	FASTEST	DIR	POSS	%	7.0	----	
											MISC. ->	117	NW	17905	41%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	10.7	TOTAL FOR THE MONTH	5.87	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.1	DEPARTURE FROM NORMAL	-1.46			2 = FOG REDUCING VISIBILITY	
HIGHEST	42 6th	24 HOUR MAX	1.68 10th/11th	CLEAR (SCALE 0-3)	5	TO 1/4 MILE OR LESS	
LOWEST	-17 20th			PARTLY CLOUDY (SCALE 4-7)	8		
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	15	4 = ICE PELLETS	
				WITH .01" OR MORE PRECIP	16	5 = HAIL	
MAX. 32 OR BELOW	23	TOTAL FOR THE MONTH	55.7	WITH .10" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	15.1 10th/11th	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	28	MAX DEPTH ON GROUND	18 23rd	WITH 1.0" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 0 OR BELOW	14					8 = SMOKE OR HAZE	
		PRESSURE DATA (IN.)				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.639 6th			X = TORNADO	
		LOWEST SEA-LEVEL	29.282 11th				
TOTAL THIS MONTH	1517	AVG STATION	23.5710				
DEPARTURE FROM NORMAL	-119						
SEASON TOTAL	8927						
DEPARTURE FROM NORMAL	-462						
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
75	73	70	70	72

NOTES: * New daily record high of 42, old record of 33 set in 1938
** New daily record high of 37, old record of 33 set in 1938

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE 272 HOURS OF PREVAILING WINDS FROM THE NW 40% OF THE TOTAL HOURS OF THE MONTH.