

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH DECEMBER					YEAR 2012				
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	(TENTHS)	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL						SPEED	DIR					
1	21	8	15	15	0	50	0	0.09	1.2	6	34.0	48	S	0	0	10	126		
2	34	20	27	14	13	38	0	0.33	0.5	6	44.5	81	W	0	0	10	1246		
3	36	24	30	14	16	35	0	0.02	0.0	5	47.0	94	W	360	65	8	126		
4	40	32	36	14	22	29	0	0.00	0.0	5	45.3	75	SW	0	0	10	12		
5	38	2	20	13	7	45	0	0.80	2.2	2	60.5	92	NW	0	0	10	12469		
6	26	1	14	13	1	51	0	0.01	0.3	2	37.0	85	NW	552	100	3	1269		
7	27	20	24	13	11	41	0	T	T	1	32.8	57	SW	0	0	10	126		
8	32	24	28	12	16	37	0	0.01	T	1	33.6	85	W	0	0	10	1246		
9	25	11	18	12	6	47	0	0.01	T	1	44.7	90	NW	335	61	8	126		
10	36	11	24	12	12	41	0	0.90	1.4	2	48.1	89	SW	0	0	10	12469		
11	23	7	15	11	4	50	0	0.04	0.3	1	39.5	66	NW	177	32	8	1246		
12	10	5	8	11	-3	57	0	T	T	1	39.3	62	W	345	63	5	1269		
13	19	8	14	11	3	51	0	0.00	0.0	1	23.0	53	W	445	82	5	1269		
14	18	9	14	10	4	51	0	0.00	0.0	1	44.0	84	NW	253	46	6	1269		
15	13	3	8	10	-2	57	0	0.00	0.0	1	36.9	74	NW	545	100	1	1269		
16	24	10	17	10	7	48	0	0.23	3.2	1	30.0	43	SW	0	0	10	1246		
17	22	14	18	9	9	47	0	0.78	5.9	5	33.7	50	S	0	0	10	126		
18	26	21	24	9	15	41	0	1.22	5.8	7	48.3	90	SE	0	0	10	12469		
19	25	12	19	9	10	46	0	0.09	1.3	10	32.5	55	NW	50	9	10	1269		
20	28	12	20	9	11	45	0	0.00	0.0	10	20.3	47	S	543	100	1	126		
21	32	13	23	8	15	42	0	2.78	11.7	11	60.3	137	SE	0	0	10	12469		
22	17	-6	6	8	-2	59	0	0.48	4.3	14	41.3	98	W	0	0	10	1269		
23	7	-7	0	8	-8	65	0	0.30	2.4	15	72.8	115	W	0	0	10	1269		
24	19	-4	8	8	0	57	0	0.10	0.7	16	56.2	93	W	76	14	9	1269		
25	20	8	14	7	7	51	0	0.36	6.9	16	24.4	63	NW	37	7	10	1269		
26	24	9	17	7	10	48	0	0.00	0.0	18	26.1	72	E	452	83	4	129		
27	15	8	12	7	5	53	0	0.90	15.5	18	58.6	112	E	0	0	10	12369		
28	13	0	7	7	0	58	0	0.00	0.0	19	54.5	82	NW	289	53	6	1269		
29	19	10	15	7	8	50	0	0.27	4.8	19	22.3	56	NW	5	1	10	1269		
30	12	-16	-2	7	-9	67	0	0.25	1.4	22	74.5	118	NW	10	2	10	1269		
31	10	-11	0	7	-7	65	0	0.00	0.0	21	69.7	112	NW	0	0	10	1269		
SUM	711	258	----	----	----	1522	0	9.97	69.8	----	1335.7	----	----	4474	----	254	----		
AVG	22.9	8.3	----	----	----	----	----	----	----	----	43.1	FASTEST	DIR	POSS	%	8.2	----		
											MISC. ->	137	SE	16968	26%				

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	15.6	TOTAL FOR THE MONTH	9.97	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	5.5	DEPARTURE FROM NORMAL	1.13	CLEAR (SCALE 0-3)	3	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	40 on 4th	24 HOUR MAX	2.78 on 21st	PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
LOWEST	-16 on 30th			CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		SNOWFALL, ICE PELLETS (IN.)		WITH .01" OR MORE PRECIP	21	5 = HAIL	
MAX. 32 OR BELOW	26	TOTAL FOR THE MONTH	69.8	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	24 HOUR MAX	15.5 on 27th	WITH .50" OR MORE PRECIP	6	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	31	MAX DEPTH ON GROUND	22.0 on 29th/30th	WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	6					9 = BLOWING SNOW	
		<u>PRESSURE DATA (IN.)</u>				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.600 on 1st				
		LOWEST SEA-LEVEL	29.075 on 22nd				
TOTAL THIS MONTH	1522	AVG STATION	23.565				
DEPARTURE FROM NORMAL	-181						
SEASON TOTAL	5319						
DEPARTURE FROM NORMAL	-511						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES: **2ND:** DAILY SNOWFALL TOTAL WHOLLY ESTIMATED DUE TO MELTING & RE-FREEZING OF FROZEN PRECIPITATION BEFORE CAN COLLECTION
10TH: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING PRIOR TO ONE 6-HOUR COLLECTION.
16TH: DAILY SNOWFALL & PRECIPITATION PARTIALLY ESTIMATED DUE TO UNREASONABLE AMOUNT IN CAN AT ONE CAN COLLECTION.
21ST: DAILY SNOWFALL & PRECIPITATION PARTIALLY ESTIMATED DUE TO UNREASONABLY HIGH AMOUNT OF SNOW IN CAN FROM BLOWING SNOW.
23RD: DAILY AVG WIND SPEED CONTAINS 6 HOURS OF ESTIMATED SPEEDS DUE TO A SUSPECTED BLOCKAGE SOMEWHERE ABOUT THE PITOT SYSTEM.
27TH: DAILY SNOWFALL & PRECIPITATION TOTALS PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT OF SNOW IN CAN FROM HIGH WINDS.
31ST: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
84	83	78	85	83

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
THERE WERE **239** HOURS OF PREVAILING WINDS FROM THE **W**, **32%** OF THE TOTAL HOURS OF THE MONTH.

