

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JANUARY				YEAR 2013			
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST						GROUND ELEVATION (H) 6,280 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	MILE DIR	TOTAL	% POSS			
1	10	-18	-4	6	-10	69	0	0.20	1.8	22	74.8	102	W	5	1	10	1269	
2	3	-20	-8	6	-14	73	0	0.00	0.0	22	65.9	98	NW	17	3	10	1269	
3	5	-6	0	6	-6	65	0	0.17	1.1	22	40.8	69	NW	490	89	6	1269	
4	9	0	5	5	0	60	0	0.40	3.9	23	71.3	95	W	0	0	10	1269	
5	11	-4	4	5	-1	61	0	0.45	1.6	24	66.1	119	NW	101	18	9	1269	
6	13	5	9	5	4	56	0	0.07	1.0	25	45.0	66	W	0	0	10	1269	
7	13	2	8	5	3	57	0	0.05	0.7	26	46.9	69	NW	438	79	1	1269	
8	20	10	15	5	10	50	0	0.00	0.0	25	63.1	99	W	451	81	6	12	
9	24	14	19	5	14	46	0	0.18	2.5	25	50.1	108	W	211	38	8	1269	
10	26	9	18	5	13	47	0	0.12	2.6	25	71.0	109	NW	0	0	10	1269	
11	32	24	28	5	23	37	0	0.10	0.1	25	27.5	56	SW	25	4	9	12469	
12	40	25	33	5	28	32	0	0.01	0.0	24	36.7	54	W	10	2	10	126	
13	48	37	43	5	38	22	0	T	0.0	15	41.3	91	W	160	28	8	12	
14	43	8	26	5	21	39	0	0.04	0.0	8	62.9	98	W	69	12	9	126	
15	16	5	11	5	6	54	0	0.00	0.0	6	34.0	48	NW	488	86	4	126	
16	18	8	13	5	8	52	0	0.41	2.3	6	32.5	73	W	0	0	10	1269	
17	12	-15	-1	4	-5	66	0	0.40	3.6	7	58.4	96	W	60	11	9	1269	
18	-5	-22	-13	4	-17	78	0	T	T	9	62.2	89	NW	301	53	8	126	
19	21	-6	8	4	4	57	0	0.54	3.8	11	57.1	90	W	0	0	10	1269	
20	20	-12	4	4	0	61	0	0.18	2.0	11	68.3	104	W	76	13	9	1269	
21	-5	-17	-11	4	-15	76	0	0.02	0.8	10	49.1	91	W	240	42	9	1269	
22	-4	-28	-16	4	-20	81	0	0.06	0.8	11	43.3	92	NW	40	7	10	1269	
23	-26	-35	-30	4	-34	95	0	0.00	0.0	10	61.5	85	NW	285	49	8	126	
24	-15	-29	-22	4	-26	87	0	0.00	0.0	10	73.2	111	NW	340	58	8	1269	
25	3	-17	-7	4	-11	72	0	0.01	0.1	10	50.0	111	NW	460	79	8	126	
26	-3	-19	-11	4	-15	76	0	0.03	0.7	10	41.4	87	NW	440	75	6	126	
27	4	-17	-6	5	-11	71	0	0.00	0.0	10	64.7	100	NW	583	99	1	126	
28	22	0	11	5	6	54	0	0.15	5.4	10	26.9	50	NW	5	1	10	126	
29	32	20	26	5	21	39	0	T	0.2	13	20.0	52	W	385	65	9	126	
30	43	27	35	5	30	30	0	0.34	0.0	11	60.3	107	SW	0	0	10	126	
31	42	-5	19	5	14	46	0	1.59	1.1	7	74.8	118	W	0	0	10	12469	
SUM	472	-76	----	----	----	1809	0	5.52	36.1	----	1641.1	----	----	5680	----	255	----	
AVG	15.2	-2.5	----	----	----	----	----	----	----	----	52.9	FASTEST	DIR	POSS	%	8.2	----	
											MISC. ->	119	NW	17658	32%		----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	6.4	TOTAL FOR THE MONTH	5.52	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.7	DEPARTURE FROM NORMAL	-0.92			2 = FOG REDUCING VISIBILITY	
HIGHEST	48 on 13th	24 HOUR MAX	1.75 on 30th/31st	CLEAR (SCALE 0-3)	2	TO 1/4 MILE OR LESS	
LOWEST	-35 on 23rd			PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	36.1	WITH .01" OR MORE PRECIP	22	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	26	24 HOUR MAX	5.5 on 28th/29th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	26 on 7th	WITH .50" OR MORE PRECIP	2	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	30			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	18	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
		HIGHEST SEA-LEVEL	30.602 on 11th			X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	28.832 on 31st				
		AVG STATION	23.500				

COOLING DEGREE DAYS (BASE 65°F)	
TOTAL THIS MONTH	0
DEPARTURE FROM NORMAL	0
SEASON TOTAL	0
DEPARTURE FROM NORMAL	0

NOTES: 18T: DAILY PRECIP & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNTS OF BLOWING SNOW IN CAN.
 2ND: DAILY AVERAGE WIND SPEED CONTAINS 2 HOURS OF ESTIMATED SPEEDS DUE TO ICE CLOG IN TP LINE OF PITOT.
 6TH: NIPHER SCREEN AND PRECIPITATION CAN UNUSEABLE DUE TO AN UNNATURAL CIRCUMSTANCE. TOTAL PARTIALLY ESTIMATED AS A RESULT.
 6TH, 7TH, 11TH, 12TH: PRECIPITATION AND SNOWFALL TOTALS PARTIALLY OR COMPLETELY MADE FROM A TEMPORARY PRECIPITATION STAND SET UP ON OBSERVATION DECK
 7TH: DAILY AVERAGE WIND SPEED CONTAINS 1 HOUR OF ESTIMATED SPEED DUE TO ICE "PINCH" IN PITOT LINES.
 9TH, 10TH: TEMPORARY PRECIP STAND REMOVED IN ANTICIPATION OF HIGH WINDS, AS A RESULT, PRECIP & SNOWFALL TOTALS WHOLLY ESTIMATED.
 12TH: DAILY RECORD HIGH OF 40°F EQUALED; RECORD PREVIOUSLY SET IN 1975
 13TH: NEW DAILY RECORD HIGH OF 48°F; PREVIOUS RECORD OF 41°F SET IN 1995 AND EQUALED IN 2005.
 13TH: NEW MONTHLY RECORD HIGH OF 48°F FOR THE MONTH OF JANUARY; PREVIOUS JANUARY RECORD OF 47°F SET ON 19 JAN 1995.
 14TH: DAILY RECORD HIGH OF 43°F EQUALED; RECORD PREVIOUSLY SET IN 2005.
 26TH: DAILY PRECIP & SNOWFALL TOTALS ESTIMATED DUE TO OBSERVER OVERSIGHT; SOLE PRECIP CAN NOT IMMEDIATELY RE-DEPLOYED AFTER PREVIOUS COLLECTION.
 28TH: DAILY PRECIPITATION & SNOWFALL TOTALS PARTIALLY ESTIMATED DUE TO EXCESSIVE AMOUNT OF BLOWING SNOW AT ONE CAN COLLECTION.
 28TH: DAILY AVERAGE WIND SPEED CONTAINS 5 HOURS OF ESTIMATED SPEEDS DUE TO LOW WINDS.
 30TH: NEW DAILY RECORD HIGH OF 43°F; PREVIOUS RECORD OF 38°F SET IN 1947.
 31ST: NEW DAILY RECORD HIGH OF 42°F; PREVIOUS RECORD OF 35°F SET IN 1947.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
81	78	83	83	81

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.
 THERE WERE 341 HOURS OF PREVAILING WINDS FROM THE W, 46% OF THE TOTAL HOURS OF THE MONTH.