

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH DECEMBER					YEAR 2015				
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-7AM	AVG SPEED	FASTEST SPEED	DIR	TOTAL	% POSS				
1	36	18	27	15	12	38	0	0.38	0.0	T	32.3	72	240 (SW)	311	56	9	12		
2	41	33	37	15	22	28	0	0.65	0.0	0	37.2	62	220 (SW)	0	0	10	12		
3	34	13	24	14	10	41	0	0.71	7.9	0	43.5	101	300 (NW)	0	0	10	1269		
4	22	13	18	14	4	47	0	0.06	0.8	2	52.1	88	280 (W)	177	32	8	1269		
5	37	17	27	14	13	38	0	0.00	0.0	2	35.9	72	290 (W)	553	100	0	1269		
6	38	28	33	13	20	32	0	0.00	0.0	2	34.1	50	290 (W)	535	97	4			
7	33	22	28	13	15	37	0	0.00	0.0	1	33.8	58	290 (W)	542	98	3			
8	32	20	26	13	13	39	0	0.00	0.0	1	17.1	32	270 (W)	242	44	8			
9	31	20	26	12	14	39	0	0.00	0.0	1	29.0	57	220 (SW)	452	82	8	126		
10	33	24	29	12	17	36	0	0.05	0.1	1	31.9	56	210 (SW)	30	5	10	1246		
11	33	26	30	11	19	35	0	T	0.1	T	42.2	80	270 (W)	85	16	10	126		
12	28	23	26	11	15	39	0	T	T	T	55.9	96	260 (W)	280	51	9	126		
13	37	21	29	11	18	36	0	0.13	0.0	T	37.3	62	290 (W)	504	92	8	126		
14	41	32	37	10	27	28	0	0.38	0.0	T	37.3	66	260 (W)	70	13	10	12		
15	43	21	32	10	22	33	0	1.46	2.2	T	58.6	121	290 (W)	0	0	10	1246		
16	31	18	25	10	15	40	0	0.00	0.0	1	25.5	76	310 (NW)	545	100	1	126		
17	37	20	29	9	20	36	0	0.30	0.1	1	35.1	63	210 (SW)	0	0	10	1246		
18	35	8	22	9	13	43	0	0.10	0.4	T	31.5	78	280 (W)	205	38	8	126		
19	9	1	5	9	-4	60	0	0.56	6.9	1	65.3	101	270 (W)	0	0	10	1269		
20	22	-4	9	9	0	56	0	0.13	1.6	3	63.8	106	280 (W)	269	50	6	1269		
21	31	19	25	8	17	40	0	0.06	0.6	3	58.0	98	240 (SW)	0	0	10	126		
22	34	26	30	8	22	35	0	0.96	0.5	3	42.0	80	280 (W)	0	0	10	1246		
23	38	30	34	8	26	31	0	0.19	0.0	1	34.8	71	130 (SE)	10	2	10	126		
24	46	29	38	8	30	27	0	0.32	0.0	T	58.3	107	250 (W)	20	4	10	12		
25	31	17	24	7	17	41	0	0.00	0.0	0	53.2	76	280 (W)	170	31	9	126		
26	26	13	20	7	13	45	0	0.04	0.2	0	36.2	81	290 (W)	486	89	5	1246		
27	32	5	19	7	12	46	0	0.73	1.0	T	43.4	81	210 (SW)	0	0	10	1246		
28	15	-11	2	7	-5	63	0	0.04	0.5	1	42.1	105	300 (NW)	420	77	8	1269		
29	22	1	12	6	6	53	0	0.70	4.4	3	30.8	69	140 (SE)	0	0	10	12469		
30	29	17	23	6	17	42	0	0.16	0.7	4	41.0	77	270 (W)	0	0	10	1246		
31	25	9	17	6	11	48	0	0.19	1.0	5	55.1	88	270 (W)	0	0	10	12469		
SUM	982	529	----	----	----	1252	0	8.30	29.0	----	1294.3	----	----	5906	----	254	----		
AVG	31.7	17.1	----	----	----	----	----	----	----	----	41.8	FASTEST	DIR	POSS	%		----		
											MISC. ->	121	290 (W)	16968	35%	8.2	----		

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	24.4	TOTAL FOR THE MONTH	8.30	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	14.3	DEPARTURE FROM NORMAL	0.57			2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	46 on 24th	24 HOUR MAX	1.76 on 14th/15th	CLEAR (SCALE 0-3)	3	3 = THUNDER	
LOWEST	-11 on 28th			PARTLY CLOUDY (SCALE 4-7)	3	4 = ICE PELLETS	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	25	5 = HAIL	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	29.0	WITH .01" OR MORE PRECIP	22	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	15	24 HOUR MAX	8.3 on 3rd/4th	WITH .10" OR MORE PRECIP	17	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	5.0 on 31st	WITH .50" OR MORE PRECIP	7	8 = SMOKE OR HAZE	
MIN. 32 OR BELOW	30			WITH 1.0" OR MORE PRECIP	1	9 = BLOWING SNOW	
MIN. 0 OR BELOW	2	PRESSURE DATA (IN.)				X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.791 on 5th				
		LOWEST SEA-LEVEL	29.348 on 15th				
TOTAL THIS MONTH	1252	AVG STATION	23.720				
DEPARTURE FROM NORMAL	-451						
SEASON TOTAL	4983						
DEPARTURE FROM NORMAL	-847						
COOLING DEGREE DAYS (BASE 65°F)		NOTES:					
		2ND: DAILY RECORD HIGH OF 41°F TIED; ORIGINAL RECORD SET IN 1932.					
		3RD: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO EXCESSIVE SNOW IN CAN FROM BLOWING SNOW.					
		4TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO RIME ICE FALLING INTO CAN PRIOR TO COLLECTION.					
		14TH: NEW DAILY RECORD HIGH OF 41°F; PREVIOUS RECORD OF 37°F SET IN 1992 AND 1993.					
		15TH: NEW DAILY RECORD HIGH OF 43°F; PREVIOUS RECORD OF 41°F SET IN 2014.					
		17TH: DAILY SNOWFALL TOTAL ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.					
		22ND: DAILY SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.					
		23RD: DAILY AVERAGE WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO PITOT NOT VANED CORRECTLY.					
		24TH: NEW DAILY RECORD HIGH OF 46°F; PREVIOUS RECORD OF 44°F SET IN 2014.					
		29TH: DAILY PRECIPITATION AND SNOWFALL PARTIALLY ESTIMATED DUE TO UNREASONABLY LOW AMOUNT IN CAN AT ONE COLLECTION DUE TO HIGH WINDS.					
		AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
		0600	1200	1800	0000	MONTH	
		77	75	77	84	78	
		NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 427 HOURS OF PREVAILING WINDS FROM THE W, 57% OF THE TOTAL HOURS OF THE MONTH.					