

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY								
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH OCTOBER				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.
						DEGREE DAYS		TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-7AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS			
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL				SPEED	SPEED	DIR					
1	39	30	35	36	-1	30	0	0.00	0.0	0	21.1	57	020 (N)	479	67	8	12	
2	38	21	30	35	-5	35	0	0.00	0.0	0	17.0	38	010 (N)	280	39	9	126	
3	28	20	24	35	-11	41	0	0.00	0.0	T	28.3	57	080 (E)	580	82	5	126	
4	38	19	29	34	-5	36	0	0.00	0.0	T	31.8	52	090 (E)	707	100	8	126	
5	46	37	42	34	8	23	0	0.00	0.0	0	11.3	25	350 (N)	669	95	8		
6	49	38	44	34	10	21	0	0.00	0.0	0	25.3	50	310 (NW)	702	100	3	12	
7	41	27	34	33	1	31	0	0.00	0.0	0	46.6	75	280 (W)	10	1	10	126	
8	36	21	29	33	-4	36	0	0.00	0.0	T	30.5	72	300 (NW)	685	99	4	126	
9	43	23	33	32	1	32	0	1.32	0.0	0	44.5	84	290 (W)	0	0	10	126	
10	28	15	22	32	-10	43	0	0.19	0.5	T	50.3	99	330 (NW)	505	73	8	126	
11	39	26	33	32	1	32	0	0.00	0.0	T	47.1	69	270 (W)	530	77	9		
12	54	38	46	31	15	19	0	0.00	0.0	0	29.3	54	280 (W)	684	100	4	1	
13	47	34	41	31	10	24	0	0.30	0.0	0	40.7	63	280 (W)	0	0	10	12	
14	35	18	27	31	-4	38	0	0.84	0.1	0	49.8	74	270 (W)	0	0	10	1246	
15	30	17	24	30	-6	41	0	T	T	T	34.9	64	230 (SW)	650	96	3	126	
16	29	21	25	30	-5	40	0	0.36	1.3	T	43.0	73	270 (W)	0	0	10	126	
17	24	7	16	30	-14	49	0	0.88	6.6	1	42.1	72	300 (NW)	0	0	10	1269	
18	9	4	7	29	-22	58	0	0.18	2.0	3	41.0	76	340 (N)	0	0	10	1269	
19	26	4	15	29	-14	50	0	0.08	0.1	4	40.9	73	270(W)	661	100	3	126	
20	35	24	30	29	1	35	0	0.11	T	4	63.3	93	280 (W)	0	0	10	1246	
21	39	30	35	28	7	30	0	0.28	0.0	1	34.1	62	270 (W)	135	21	10	12	
22	42	24	33	28	5	32	0	0.13	T	T	53.3	87	270 (W)	0	0	10	1246	
23	35	14	25	28	-3	40	0	0.00	0.0	T	44.4	88	280 (W)	264	41	8	126	
24	41	33	37	28	9	28	0	0.00	0.0	T	16.5	56	220 (SW)	514	80	8		
25	40	18	29	27	2	36	0	0.37	0.7	T	53.2	86	250 (W)	0	0	10	126	
26	23	14	19	27	-8	46	0	0.00	0.0	T	34.6	86	300 (NW)	641	100	3	126	
27	26	18	22	27	-5	43	0	0.00	0.0	T	16.2	27	270 (W)	638	100	6		
28	43	20	32	26	6	33	0	0.71	0.2	T	44.7	108	130 (SE)	25	4	10	1246	
29	48	20	34	26	8	31	0	0.97	0.1	0	52.4	94	260 (W)	10	2	10	126	
30	25	13	19	26	-7	46	0	0.12	0.5	T	69.6	123	280 (W)	0	0	10	126	
31	37	21	29	26	3	36	0	0.00	0.0	T	27.5	57	300 (NW)	450	72	5		
SUM	1113	669	----	----	----	1115	0	6.84	12.1	----	1185.3	----	----	9819	----	242	----	
AVG	35.9	21.6	----	----	----	----	----	----	----	----	38.2	FASTEST	DIR	POSS	%		----	
											MISC. ->	123	280 (W)	20805	47%	7.8	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	28.7	TOTAL FOR THE MONTH	6.84	NUMBER OF DAYS:	1 = FOG		
DEPARTURE FROM NORMAL	-1.5	DEPARTURE FROM NORMAL	-2.43		2 = FOG REDUCING VISIBILITY		
HIGHEST	54 on 12th	24 HOUR MAX	1.48 on 9th/10th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	4 on 18th/19th			PARTLY CLOUDY (SCALE 4-7)	5	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	12.1	WITH .01" OR MORE PRECIP	15	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	10	24 HOUR MAX	6.6 on 17th	WITH .10" OR MORE PRECIP	14	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	4.0 on 19th	WITH .50" OR MORE PRECIP	5	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	26			WITH 1.0" OR MORE PRECIP	1	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)				9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.684 on 3rd				
		LOWEST SEA-LEVEL	29.536 on 29th				
TOTAL THIS MONTH	1115	AVG STATION	23.797				
DEPARTURE FROM NORMAL	36						
SEASON TOTAL	2527						
DEPARTURE FROM NORMAL	-271						
COOLING DEGREE DAYS (BASE 65°F)							
TOTAL THIS MONTH	0						
DEPARTURE FROM NORMAL	0						
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						

NOTES:				
3RD: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO DATABASE MALFUNCTION.				
14TH, 29TH: DAILY SNOWFALL TOTAL FULLY ESTIMATED DUE TO MELTING PRIOR TO CAN COLLECTION.				
31ST: DAILY AVERAGE WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO FOXBORO TRANSDUCER MALFUNCTION.				

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
78	76	75	78	77

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE HOURS 357 OF PREVAILING WINDS FROM THE W, 48% OF THE TOTAL HOURS OF THE MONTH.