

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY						
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH OCTOBER			YEAR 2016			
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 MILE SPEED	DIR	TOTAL	% POSS		
1	49	40	45	36	9	20	0	0.04	0.0	0	16.7	31	120 (SE)	0	0	10	12
2	50	38	44	35	9	21	0	0.06	0.0	0	19.3	44	290 (W)	65	9	10	12
3	44	37	41	35	6	24	0	0.15	0.0	0	16.5	47	300 (NW)	17	2	10	12
4	46	36	41	34	7	24	0	T	0.0	0	7.4	18	320 (NW)	155	22	9	12
5	51	38	45	34	11	20	0	0.00	0.0	0	11.0	23	240 (SW)	669	95	1	12
6	55	41	48	34	14	17	0	0.00	0.0	0	17.3	36	050 (NE)	702	100	1	
7	57	49	53	33	20	12	0	0.00	0.0	0	24.2	37	200 (S)	699	100	1	
8	52	33	43	33	10	22	0	0.29	0.0	0	31.6	60	250 (W)	200	29	9	12
9	37	22	30	32	-2	35	0	0.12	0.2	0	29.0	63	350 (N)	0	0	10	1246
10	40	20	30	32	-2	35	0	0.00	0.0	T	42.2	71	350 (N)	513	74	4	126
11	49	35	42	32	10	23	0	0.00	0.0	0	17.8	46	360 (N)	687	100	0	
12	46	40	43	31	12	22	0	0.00	0.0	0	33.9	49	200 (S)	453	66	6	
13	45	21	33	31	2	32	0	0.29	0.1	0	44.1	81	290 (W)	169	25	9	1246
14	34	17	26	31	-5	39	0	0.00	0.0	T	42.2	68	310 (NW)	678	100	1	126
15	48	26	37	30	7	28	0	0.00	0.0	0	24.3	43	300 (NW)	649	96	5	
16	48	40	44	30	14	21	0	0.12	0.0	0	42.7	70	270 (W)	0	0	10	12
17	45	36	41	30	11	24	0	0.06	0.0	0	38.5	79	290 (W)	320	48	8	12
18	51	42	47	29	18	18	0	0.06	0.0	0	44.7	104	240 (SW)	52	8	10	12
19	51	33	42	29	13	23	0	0.34	0.0	0	53.0	83	280 (W)	75	11	9	12
20	42	33	38	29	9	27	0	0.02	T	0	26.7	77	180 (S)	204	31	9	124
21	49	36	43	28	15	22	0	1.54	0.0	0	39.0	74	180 (S)	0	0	10	12
22	49	16	33	28	5	32	0	0.96	1.0	0	18.4	48	290 (W)	0	0	10	12469
23	20	15	18	28	-10	47	0	0.45	3.5	1	84.5	120	280 (W)	0	0	10	1269
24	21	12	17	28	-11	48	0	0.02	0.2	1	72.0	99	270 (W)	0	0	10	1269
25	14	11	13	27	-14	52	0	0.34	3.3	1	59.6	88	290 (W)	0	0	10	1269
26	17	10	14	27	-13	51	0	0.00	0.0	2	18.8	59	310 (NW)	165	26	9	126
27	22	11	17	27	-10	48	0	0.43	4.7	2	25.9	59	120 (SE)	0	0	10	1269
28	31	20	26	26	0	39	0	1.39	10.6	7	43.6	72	070 (E)	0	0	10	1269
29	36	26	31	26	5	34	0	0.39	T	8	44.0	86	280 (W)	15	2	10	1246
30	32	16	24	26	-2	41	0	0.12	T	4	45.0	93	280 (W)	210	33	9	1246
31	33	15	24	26	-2	41	0	0.05	0.6	4	28.0	67	300 (NW)	477	76	5	126
SUM	1264	865	----	----	----	942	0	7.24	24.2	----	1061.9	----	----	7174	----	235	----
AVG	40.8	27.9	----	----	----	----	----	----	----	----	34.3	FASTEST	DIR	POSS	----	7.6	----
											MISC. ->	120	280 (W)	20805	34%		----

TEMPERATURE DATA (°F)	PRECIPITATION DATA (IN.)	WEATHER	SYMBOLS USED IN COLUMN 16			
AVERAGE MONTHLY	34.3	TOTAL FOR THE MONTH	7.24	NUMBER OF DAYS:	1 = FOG	
DEPARTURE FROM NORMAL	4.1	DEPARTURE FROM NORMAL	-2.03	CLEAR (SCALE 0-3)	5	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS
HIGHEST	57 on 7th	24 HOUR MAX	1.83 on 21st/22nd	PARTLY CLOUDY (SCALE 4-7)	4	3 = THUNDER
LOWEST	10 on 26th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	22	4 = ICE PELLETS
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	24.2	WITH .01" OR MORE PRECIP	21	5 = HAIL
MAX. 32 OR BELOW	7	24 HOUR MAX	13.9 on 28th/29th	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	8.0 on 29th*	WITH .50" OR MORE PRECIP	3	7 = BLOWING DUST OR SAND
MIN. 32 OR BELOW	15	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.616 on 11th			9 = BLOWING SNOW
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.149 on 23rd			X = TORNADO
TOTAL THIS MONTH	942	AVG STATION	23.840			
DEPARTURE FROM NORMAL	-137					
SEASON TOTAL	2412					
DEPARTURE FROM NORMAL	-386					
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
79 81 76 77 78

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 264 HOURS OF PREVAILING WINDS FROM THE W, 35% OF THE TOTAL HOURS OF THE MONTH.