

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH OCTOBER					YEAR 2011				
LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT					STANDARD TIME EASTERN				
TEMPERATURE (°F)						DEGREE DAYS			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		TOTAL	% POSS				
											SPEED	DIR							
1	46	40	43	35	8	22	0	0.46	0.0	0	21.1	52	SE	0	0	10	12		
2	48	39	44	35	9	21	0	0.75	0.0	0	42.0	79	E	0	0	10	12		
3	43	35	39	35	4	26	0	0.09	0.0	0	18.2	35	SE	406	57	6	12		
4	37	34	36	34	2	29	0	0.17	0.0	0	26.7	50	N	0	0	10	12		
5	35	17	26	34	-8	39	0	0.11	0.3	T	47.9	84	N	0	0	10	1246		
6	23	15	19	33	-14	46	0	0.00	0.0	T	59.8	97	NW	702	100	4			
7	47	22	35	33	2	30	0	0.00	0.0	T	41.7	61	NW	699	100	5	1		
8	53	42	48	33	15	17	0	0.00	0.0	0	51.9	78	NW	695	100	4			
9	54	44	49	32	17	16	0	0.00	0.0	0	54.0	76	NW	692	100	4	12		
10	55	38	47	32	15	18	0	0.00	0.0	0	54.1	83	NW	276	40	6	12		
11	53	43	48	32	16	17	0	0.00	0.0	0	9.5	20	NW	687	100	6			
12	48	39	44	31	13	21	0	T	0.0	0	12.5	34	SW	122	18	9			
13	50	38	44	31	13	21	0	0.61	0.0	0	21.5	39	SE	0	0	10	12		
14	50	42	46	31	15	19	0	4.38	0.0	0	34.0	67	SE	0	0	10	12		
15	42	26	34	30	4	31	0	1.36	1.2	0	49.1	91	W	0	0	10	1246		
16	31	24	28	30	-2	37	0	0.10	0.6	1	57.5	97	W	40	6	10	12469		
17	31	23	27	30	-3	38	0	0.32	1.1	2	52.1	79	W	0	0	10	12469		
18	30	27	29	29	0	36	0	0.02	0.1	2	46.3	70	W	0	0	10	1269		
19	44	30	37	29	8	28	0	0.28	0.0	2	37.0	81	E	0	0	10	126		
20	50	27	39	29	10	26	0	0.62	0.1	T	36.5	75	S	2	0	10	1246		
21	31	27	29	29	0	36	0	0.03	T	T	35.2	56	W	0	0	10	126		
22	29	25	27	28	-1	38	0	0.14	1.2	T	22.3	45	W	0	0	10	126		
23	34	22	28	28	0	37	0	0.00	0.0	1	17.7	38	NW	471	72	8	126		
24	33	24	29	28	1	36	0	0.17	0.8	1	25.9	60	W	622	96	8	1246		
25	29	19	24	27	-3	41	0	0.05	0.5	1	56.9	85	W	0	0	10	1269		
26	25	17	21	27	-6	44	0	0.06	0.4	1	34.8	77	W	392	61	8	126		
27	24	9	17	27	-10	48	0	0.38	3.6	3	27.3	70	NW	0	0	10	1269		
28	13	8	11	26	-15	54	0	0.06	0.7	5	50.4	82	NW	120	19	9	1269		
29	16	8	12	26	-14	53	0	0.71	5.4	5	21.7	54	NE	243	38	9	1269		
30	14	12	13	26	-13	52	0	0.74	4.7	11	50.4	83	N	0	0	10	1269		
31	25	14	20	26	-6	45	0	0.00	0.0	11	27.7	59	NW	130	21	9	126		
SUM	1143	830	----	----	----	1022	0	11.61	20.7	----	1143.7	----	----	6299	----	265	----		
AVG	36.9	26.8	----	----	----	----	----	----	----	----	36.9	FASTEST	DIR	POSS	%	8.5	----		
											MISC. ->	97	W	20805	30%				

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	31.9	TOTAL FOR THE MONTH	11.61	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.7	DEPARTURE FROM NORMAL	3.95	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	55 on 10th	24 HOUR MAX	5.54 on 14th/15th	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	8 on 28th, 29th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	24	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	20.7	WITH .01" OR MORE PRECIP	22	5 = HAIL	
MAX. 32 OR BELOW	13	24 HOUR MAX	10.1 on 29th/30th	WITH .10" OR MORE PRECIP	16	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	11 on 30th, 31st	WITH .50" OR MORE PRECIP	7	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	20	PRESSURE DATA (IN.)		WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	HIGHEST SEA-LEVEL	30.660 on 8th			9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		LOWEST SEA-LEVEL	29.255 on 15th			X = TORNADO	
TOTAL THIS MONTH	1022	AVG STATION	23.740				
DEPARTURE FROM NORMAL	-57						
SEASON TOTAL	2527						
DEPARTURE FROM NORMAL	-337						
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
82	81	87	87	84

NOTES: *FASTEST 2-MIN WIND SPEED/DIRECTION THE LAST OF SEVERAL OCCURRENCES.
 4TH: DAILY PRECIPITATION TOTAL PARTIALLY ESTIMATED DUE TO UNREALISTICALLY LOW AMOUNT IN CAN @ 0647 SYNOPTIC OBSERVATION.
 10TH: NEW DAILY RECORD HIGH OF 55F; PREVIOUS RECORD OF 54F SET IN 1939 AND EQUALED IN 2003.
 12TH: DAILY PRECIPITATION TOTAL ESTIMATED DUE TO SEVERAL PIECES OF TRASH IN PRECIPITATION CAN.
 15TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF WINDS FROM HAYS CHART DUE TO DATABASE ISSUE.
 15TH: SNOWFALL TOTAL PARTIALLY ESTIMATED DUE TO SOME MELTING BEFORE COLLECTION.
 18TH: DAILY AVG WIND SPEED CONTAINS 2 HRS OF WINDS DETERMINED FROM HAYS CHART DUE TO DATABASE ISSUE.

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 251 HOURS OF PREVAILING WINDS FROM THE NW, 34% OF THE TOTAL HOURS OF THE MONTH.