

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH JULY					YEAR 2012				
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-6AM	AVG SPEED	FASTEST MILE		TOTAL	% POSS	(TENTHS)	
DAY	MAX	MIN	AVG	NORM	DEPART	HEAT	COOL						SPEED	DIR					
1	55	47	51	48	3	14	0	0.15	0.0	0	31.1	56	NW	13	1	10	12		
2	49	41	45	48	-3	20	0	0.12	0.0	0	32.0	53	NW	0	0	10	12		
3	52	40	46	48	-2	19	0	0.00	0.0	0	34.8	59	NW	260	28	9	12		
4	55	46	51	48	3	14	0	0.67	0.0	0	26.8	49	NW	0	0	10	123		
5	52	46	49	48	1	16	0	0.03	0.0	0	20.4	62	N	15	2	9	12		
6	63	47	55	48	7	10	0	0.00	0.0	0	19.0	53	NW	625	67	6	12		
7	56	48	52	48	4	13	0	0.38	0.0	0	40.9	66	W	55	6	10	123		
8	49	39	44	48	-4	21	0	0.00	0.0	0	48.6	79	NW	222	24	9	12		
9	46	37	42	48	-6	23	0	0.00	0.0	0	41.0	62	NW	847	91	4	12		
10	51	38	45	49	-4	20	0	0.00	0.0	0	26.1	41	W	725	78	5			
11	58	43	51	49	2	14	0	0.00	0.0	0	25.8	40	W	915	98	4			
12	60	49	55	49	6	10	0	0.00	0.0	0	28.9	50	W	928	100	3			
13	64	50	57	49	8	8	0	0.00	0.0	0	22.5	38	W	927	100	4			
14	65	54	60	49	11	5	0	0.00	0.0	0	19.7	39	NW	925	100	8			
15	66	53	60	49	11	5	0	0.01	0.0	0	9.9	24	S	486	53	8	128		
16	58	50	54	49	5	11	0	0.19	0.0	0	25.9	49	NW	65	7	10	12		
17	60	50	55	49	6	10	0	0.38	0.0	0	41.3	66	W	0	0	10	123		
18	57	40	49	49	0	16	0	0.01	0.0	0	42.8	84	W	75	8	10	12		
19	47	37	42	49	-7	23	0	0.00	0.0	0	35.8	55	NW	398	43	8	12		
20	53	42	48	49	-1	17	0	0.00	0.0	0	4.1	15	SE	452	49	6			
21	53	43	48	49	-1	17	0	0.00	0.0	0	9.5	34	W	369	40	8			
22	56	46	51	49	2	14	0	0.02	0.0	0	27.3	42	W	200	22	9	12		
23	63	49	56	49	7	9	0	1.26	T	0	23.9	56	W	215	24	10	1235		
24	55	39	47	49	-2	18	0	1.50	0.1	0	47.7	87	N	0	0	10	1235		
25	51	38	45	49	-4	20	0	0.00	0.0	0	41.8	85	N	290	32	9	12		
26	55	43	49	49	0	16	0	0.07	0.0	0	28.2	51	W	0	0	10	12		
27	56	49	53	49	4	12	0	0.00	0.0	0	13.6	29	NW	170	19	9	12		
28	56	46	51	49	2	14	0	1.30	0.0	0	8.2	22	SE	75	8	10	123		
29	51	46	49	49	0	16	0	0.01	0.0	0	12.4	28	E	35	4	10	12		
30	62	48	55	49	6	10	0	0.00	0.0	0	13.3	35	W	555	62	8	12		
31	58	49	54	49	5	11	0	0.00	0.0	0	16.7	37	W	767	86	5	12		
SUM	1732	1393	----	----	----	446	0	6.10	0.1	----	820.0	----	----	10609	----	251	----		
AVG	55.9	44.9	----	----	----	----	----	----	----	----	26.5	FASTEST	DIR	POSS	----	8.1	----		
												MISC. ->	87	N	28530	37%			

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	50.4	TOTAL FOR THE MONTH	6.10	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.7	DEPARTURE FROM NORMAL	-1.92	CLEAR (SCALE 0-3)	1	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	66 on 15th	24 HOUR MAX	2.76 on 23rd/24th	PARTLY CLOUDY (SCALE 4-7)	7	3 = THUNDER	
LOWEST	37 on 9th, 19th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.1	WITH .01" OR MORE PRECIP	15	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.1 on 23rd/24th	WITH .10" OR MORE PRECIP	9	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	TRACE on 23rd, 24th	WITH .50" OR MORE PRECIP	4	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	3	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0	<u>PRESSURE DATA (IN.)</u>				9 = BLOWING SNOW	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.417 on 13th			X = TORNADO	
TOTAL THIS MONTH	446	LOWEST SEA-LEVEL	29.752 on 24th				
DEPARTURE FROM NORMAL	-49	AVG STATION	23.898				
SEASON TOTAL	446	NOTES:					
DEPARTURE FROM NORMAL	-49	23RD, 24TH: "SNOWFALL" ESTIMATED DUE TO HAIL MELTING PRIOR TO COLLECITON.					
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0	<u>AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR</u>				NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.	
DEPARTURE FROM NORMAL	0	0600	1200	1800	0000	MONTH	
SEASON TOTAL	0	89	87	86	87	87	THERE WERE 327 HOURS OF PREVAILING WINDS FROM THE NW,
DEPARTURE FROM NORMAL	0	44% OF THE TOTAL HOURS OF THE MONTH.					