

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY														
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER					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																	
1	52	42	47	45	2	18	0	0.00	0.0	0	0	17.1	45	N	761	94	3	12						
2	47	41	44	44	0	21	0	0.05	0.0	0	0	14.8	37	W	211	26	9	12						
3	53	40	47	44	3	18	0	0.00	0.0	0	0	18.3	31	W	576	72	5	12						
4	55	47	51	44	7	14	0	0.12	0.0	0	0	18.4	32	S	0	0	10	12						
5	56	46	51	43	8	14	0	0.60	0.0	0	0	21.7	65	SW	30	4	10	12						
6	55	46	51	43	8	14	0	0.00	0.0	0	0	15.8	48	W	400	51	9	12						
7	56	46	51	43	8	14	0	0.00	0.0	0	0	26.1	51	W	695	88	5	12						
8	56	38	47	43	4	18	0	1.61	T	0	0	40.7	81	S	5	1	10	1235*						
9	46	33	40	42	-2	25	0	0.05	0.0	0	0	26.8	66	W	350	45	6	12						
10	35	29	32	42	-10	33	0	0.00	0.0	0	0	40.9	79	NW	0	0	10	126						
11	46	25	36	42	-6	29	0	0.00	0.0	0	0	30.4	56	NW	776	100	3	126						
12	55	38	47	42	5	18	0	0.00	0.0	0	0	20.9	39	W	768	99	3	12						
13	61	47	54	41	13	11	0	0.00	0.0	0	0	20.5	40	W	771	100	4							
14	59	46	53	41	12	12	0	0.00	0.0	0	0	16.0	53	NW	693	90	4	12						
15	46	28	37	41	-4	28	0	0.24	0.4	0	0	48.0	75	W	0	0	10	1246						
16	37	22	30	40	-10	35	0	0.00	0.0	0	0	47.9	83	W	685	90	1	126						
17	48	37	43	40	3	22	0	0.00	0.0	0	0	26.4	47	W	495	65	5	12						
18	53	39	46	40	6	19	0	1.66	0.0	0	0	44.8	82	S	20	3	10	12						
19	51	27	39	39	0	26	0	0.50	0.0	0	0	40.0	68	W	315	42	8	126						
20	46	27	37	39	-2	28	0	0.00	0.0	0	0	15.1	32	SW	750	100	3							
21	53	35	44	39	5	21	0	0.00	0.0	0	0	14.3	25	SW	726	97	5							
22	52	43	48	39	9	17	0	0.30	0.0	0	0	30.2	62	SE	475	64	4	12						
23	44	28	36	38	-2	29	0	0.17	0.0	0	0	37.2	61	W	142	19	9	126						
24	35	25	30	38	-8	35	0	0.05	0.2	0	0	20.2	45	W	235	32	8	126						
25	43	27	35	37	-2	30	0	0.00	0.0	0	0	34.8	58	W	720	98	3	126						
26	44	36	40	37	3	25	0	0.22	0.0	0	0	38.2	77	W	0	0	10	12						
27	40	25	33	37	-4	32	0	0.02	0.0	0	0	26.0	66	NW	158	22	8	126						
28	40	29	35	36	-1	30	0	0.21	0.0	0	0	19.9	38	S	57	8	10	12						
29	45	38	42	36	6	23	0	0.12	0.0	0	0	12.0	33	E	0	0	10	12						
30	40	33	37	36	1	28	0	0.58	0.0	0	0	22.3	50	W	0	0	10	12						
SUM	1449	1063	----	----	----	687	0	6.50	0.6	----	----	805.7	----	----	10814	----	205	----	----	----	----			
AVG	48.3	35.4	----	----	----	----	----	----	----	----	----	26.9	FASTEST	DIR	POSS	%	6.8	----	----	----	----			
												MISC. ->	83	W	22883	47%								

<u>TEMPERATURE DATA (°F)</u>		<u>PRECIPITATION DATA (IN.)</u>		<u>WEATHER</u>		<u>SYMBOLS USED IN COLUMN 16</u>	
AVERAGE MONTHLY	41.9	TOTAL FOR THE MONTH	6.50	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	1.5	DEPARTURE FROM NORMAL	-2.05	CLEAR (SCALE 0-3)	6	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	61 on 13th	24 HOUR MAX	2.16 on 18th/19th	PARTLY CLOUDY (SCALE 4-7)	8	3 = THUNDER	
LOWEST	22 on 16th	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	16	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.6	WITH .01" OR MORE PRECIP	16	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.4 on 15th	WITH .10" OR MORE PRECIP	12	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 15th, 24th	WITH .50" OR MORE PRECIP	5	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	11			WITH 1.0" OR MORE PRECIP	2	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	30.511 on 13th			X = TORNADO	
TOTAL THIS MONTH	687	LOWEST SEA-LEVEL	29.686 on 30th				
DEPARTURE FROM NORMAL	-15	AVG STATION	23.885				
SEASON TOTAL	1551	NOTES: **5" FELL AS SMALL HAIL					
DEPARTURE FROM NORMAL	-168	8TH: DAILY SNOWFALL FELL ENTIRELY AS SMALL HAIL.					
COOLING DEGREE DAYS (BASE 65F)							
TOTAL THIS MONTH	0	AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					
DEPARTURE FROM NORMAL	0	0600	1200	1800	0000	MONTH	
SEASON TOTAL	0	83	84	85	89	85	
DEPARTURE FROM NORMAL	0	NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 311 HOURS OF PREVAILING WINDS FROM THE W, 43% OF THE TOTAL HOURS OF THE MONTH.					