

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH JUNE				YEAR 2011			
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	DEGREE DAYS HEAT	COOL	TOTAL (EQUIV)	SNOW & ICE	SNOW/ICE ON GROUND-6AM	AVG SPEED	FASTEST MILE SPEED	DIR	TOTAL	% POSS			
1	61	40	51	41	10	14	0	0.14	T	0	49.0	89	SW	64	7	10	1235*	
2	41	26	34	41	-7	31	0	0.30	0.7	0	64.5	101	NW	10	1	10	1246	
3	34	26	30	42	-12	35	0	0.00	0.0	T	48.4	82	NW	220	24	9	126	
4	43	31	37	42	-5	28	0	0.00	0.0	T	16.4	47	N	813	87	4		
5	50	36	43	42	1	22	0	0.00	0.0	T	12.5	26	NE	509	54	6	12	
6	51	39	45	42	3	20	0	0.00	0.0	0	16.2	31	N	704	75	6	12	
7	60	45	53	43	10	12	0	0.00	0.0	0	16.3	38	W	734	78	6		
8	65	49	57	43	14	8	0	0.16	0.0	0	27.7	82	NW	732	78	9	123	
9	60	47	54	43	11	11	0	0.73	0.0	0	42.0	80	W	45	5	10	123	
10	50	39	45	43	2	20	0	0.01	0.0	0	20.7	61	N	515	55	9	12	
11	40	33	37	44	-7	28	0	0.72	0.0	0	19.3	41	SW	0	0	10	12	
12	56	35	46	44	2	19	0	0.30	0.0	0	19.4	40	W	30	3	10	12	
13	44	36	40	44	-4	25	0	0.60	0.0	0	9.3	35	W	45	5	10	12	
14	40	30	35	44	-9	30	0	0.05	0.0	0	31.4	62	N	5	1	10	12	
15	52	39	46	44	2	19	0	0.12	0.0	0	26.6	58	N	630	67	8	3	
16	60	45	53	45	8	12	0	0.00	0.0	0	26.0	43	W	890	94	4		
17	56	47	52	45	7	13	0	T	0.0	0	11.8	27	SW	330	35	9	12	
18	52	37	45	45	0	20	0	0.24	0.0	0	28.1	61	NW	115	12	9	12	
19	44	30	37	45	-8	28	0	0.00	0.0	0	44.3	74	NW	702	74	6	126	
20	51	36	44	45	-1	21	0	0.00	0.0	0	28.8	61	NW	743	79	6	12	
21	54	41	48	46	2	17	0	0.00	0.0	0	21.1	39	W	800	85	6		
22	57	43	50	46	4	15	0	0.09	0.0	0	11.8	38	S	352	37	9	12	
23	49	41	45	46	-1	20	0	0.57	0.0	0	27.3	49	SE	0	0	10	12	
24	48	36	42	46	-4	23	0	0.59	0.0	0	27.3	49	SE	0	0	10	12	
25	50	45	48	46	2	17	0	0.03	0.0	0	22.5	40	W	10	1	10	12	
26	49	45	47	47	0	18	0	0.70	0.0	0	25.0	48	W	0	0	10	12	
27	56	42	49	47	2	16	0	0.04	0.0	0	16.4	46	NW	780	83	6	12	
28	53	47	50	47	3	15	0	0.02	0.0	0	20.0	41	S	203	22	10	12	
29	53	42	48	47	1	17	0	0.61	0.0	0	28.0	50	W	5	1	10	12	
30	44	38	41	47	-6	24	0	0.98	0.0	0	50.7	75	NW	0	0	10	12	
SUM	1523	1166	----	----	----	598	0	7.00	0.7	----	808.8	----	----	9986	----	252	----	
AVG	50.8	38.9	----	----	----	----	----	----	----	----	27.0	FASTEST	DIR	POSS %			----	
											MISC. ->	101	NW	28193	35%	8.4	----	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	44.9	TOTAL FOR THE MONTH	7.00	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	0.5	DEPARTURE FROM NORMAL	-1.36	CLEAR (SCALE 0-3)	0	2 = FOG REDUCING VISIBILITY TO 1/4 MILE OR LESS	
HIGHEST	65 on 8th	24 HOUR MAX	1.09 on 29/30th	PARTLY CLOUDY (SCALE 4-7)	9	3 = THUNDER	
LOWEST	26 on 2nd,3rd	SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	21	4 = ICE PELLETS	
NUMBER OF DAYS WITH:		TOTAL FOR THE MONTH	0.7	WITH .01" OR MORE PRECIP	20	5 = HAIL	
MAX. 32 OR BELOW	0	24 HOUR MAX	0.7 on 2nd	WITH .10" OR MORE PRECIP	14	6 = GLAZE OR RIME	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	Trace on 2,3,4,5th	WITH .50" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MIN. 32 OR BELOW	5			WITH 1.0" OR MORE PRECIP	0	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.287 on 1st				
		LOWEST SEA-LEVEL	29.686 on 2nd				
TOTAL THIS MONTH	598	AVG STATION	23.817				
DEPARTURE FROM NORMAL	-20						
SEASON TOTAL	13503						
DEPARTURE FROM NORMAL	-273						

NOTES: \* \*5" FELL AS SMALL HAIL

1ST: SNOWFALL ESTIMATED DUE TO MELTING BEFORE CAN COLLECTION.

3RD: DAILY AVG WIND SPEED CONTAINS 2 HRS OF ESTIMATED SPEEDS DUE TO 1) SERVER FAILURE, AND 2) WATER IN TP LINE OF PITOT.

8TH: NEW DAILY RECORD HIGH OF 65°F; PREVIOUS RECORD OF 64°F SET IN 1936 AND 2008.

24TH: DAILY AVG WIND SPEED CONTAINS 1 HR OF ESTIMATED SPEEDS DUE TO DATA LOGGING ISSUES.

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR				
0600	1200	1800	0000	MONTH
89	88	89	91	89

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER.

THERE WERE 238 HOURS OF PREVAILING WINDS FROM THE W, 32% OF THE TOTAL HOURS OF THE MONTH.