

WS FORM F-6										STATION MOUNT WASHINGTON OBSERVATORY									
PRELIMINARY LOCAL CLIMATOLOGICAL DATA										MONTH SEPTEMBER					YEAR 2018				

LATITUDE 44 DEGREES 16 MINUTES NORTH					LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION (H) 6280 FT					STANDARD TIME EASTERN				
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TEMPERATURE (°F)						DEGREE DAYS			PRECIPITATION (IN.)			WIND (MPH)			SUNSHINE (MINUTES)		SKY COVER	WEATHER
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	(TENTHS)	OCCUR.
1	52	46	49	46	3	16	0	0.01	0.0	0	22.0	39	250 (W)	0	0	10	12	
2	57	50	54	46	8	11	0	0.00	0.0	0	25.0	51	280 (W)	335	42	9	12	
3	61	54	58	46	12	7	0	1.01	0.0	0	36.7	67	300 (NW)	0	0	10	123	
4	57	50	54	46	8	11	0	0.00	0.0	0	27.8	79	310 (NW)	497	62	8	12	
5	61	51	56	45	11	9	0	0.00	0.0	0	28.1	57	260 (W)	65	8	10	12	
6	61	43	52	45	7	13	0	0.42	0.0	0	43.5	75	300 (NW)	5	1	10	123	
7	50	37	44	45	-1	21	0	0.00	0.0	0	24.1	46	310 (NW)	660	84	8	12	
8	39	29	34	44	-10	31	0	0.00	0.0	0	23.8	57	310 (NW)	570	73	6	12	
9	41	29	35	44	-9	30	0	0.00	0.0	0	7.5	23	120 (SE)	404	52	9	1	
10	42	29	36	44	-8	29	0	0.23	T	0	32.1	62	150 (SE)	30	4	10	1246	
11	55	41	48	44	4	17	0	0.53	0.0	0	31.3	60	150 (SE)	11	1	10	12	
12	54	47	51	43	8	14	0	T	0.0	0	21.3	33	280 (W)	140	18	9	12	
13	58	47	53	43	10	12	0	0.00	0.0	0	12.6	35	070 (E)	746	97	3	12	
14	60	49	55	42	13	10	0	0.00	0.0	0	10.6	28	110 (E)	767	100	1		
15	62	51	57	42	15	8	0	0.00	0.0	0	10.3	37	340 (N)	764	100	1	12	
16	60	52	56	42	14	9	0	0.00	0.0	0	15.9	49	310 (NW)	140	18	9	12	
17	58	49	54	41	13	11	0	0.00	0.0	0	27.8	57	280 (W)	245	32	9	12	
18	56	45	51	41	10	14	0	0.08	0.0	0	27.2	54	290 (W)	140	19	10	12	
19	53	37	45	41	4	20	0	0.00	0.0	0	14.3	33	320 (NW)	620	82	6	12	
20	47	37	42	40	2	23	0	0.00	0.0	0	11.3	32	320 (NW)	92	12	9	12	
21	52	39	46	40	6	19	0	0.36	0.0	0	35.7	108	250 (W)	0	0	10	12	
22	53	28	41	39	2	24	0	0.31	0.0	0	49.8	108	280 (W)	384	52	9	126	
23	43	32	38	39	-1	27	0	0.00	0.0	0	25.9	43	310 (NW)	678	92	3	12	
24	41	31	36	39	-3	29	0	0.00	0.0	0	16.1	30	330 (NW)	390	53	8	126	
25	52	32	42	38	4	23	0	0.61	0.0	0	40.1	73	160 (S)	10	1	10	12	
26	56	39	48	38	10	17	0	1.08	0.0	0	51.1	81	290 (W)	0	0	10	12	
27	49	32	41	37	4	24	0	0.00	0.0	0	18.4	78	300 (NW)	475	72	8	12	
28	48	34	41	37	4	24	0	0.08	T	0	19.9	43	290 (W)	423	58	6	124	
29	40	30	35	36	-1	30	0	0.00	0.0	0	41.3	72	290 (W)	60	8	9	126	
30	34	28	31	36	-5	34	0	0.00	0.0	0	31.6	54	270 (W)	70	10	9	126	
SUM	1552	1198	---	---	---	567	0	4.72	T	---	783.1	---	---	8721	---	239	---	
AVG	51.7	39.9	---	---	---	---	---	---	---	---	26.1	FASTEST	DIR	POSS	---	---	---	
											MISC. ->	108	280 (W)	22883	38%	8.0	---	

TEMPERATURE DATA (°F)		PRECIPITATION DATA (IN.)		WEATHER		SYMBOLS USED IN COLUMN 16	
AVERAGE MONTHLY	45.8	TOTAL FOR THE MONTH	4.72	NUMBER OF DAYS:		1 = FOG	
DEPARTURE FROM NORMAL	4.2	DEPARTURE FROM NORMAL	-3.31			2 = FOG REDUCING VISIBILITY	
HIGHEST	62 on 15th	24 HOUR MAX	1.07 on 26th	CLEAR (SCALE 0-3)	4	TO 1/4 MILE OR LESS	
LOWEST	28 on 30th			PARTLY CLOUDY (SCALE 4-7)	3	3 = THUNDER	
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	23	4 = ICE PELLETS	
NUMBER OF DAYS WITH:						5 = HAIL	
		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	11	6 = GLAZE OR RIME	
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 28th	WITH .10" OR MORE PRECIP	8	7 = BLOWING DUST OR SAND	
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	T on 28th	WITH .50" OR MORE PRECIP	4	RED. VIS. TO 1/2 MILE OR LESS	
MIN. 32 OR BELOW	10			WITH 1.0" OR MORE PRECIP	2	8 = SMOKE OR HAZE	
MIN. 0 OR BELOW	0					9 = BLOWING SNOW	
						X = TORNADO	

HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	
TOTAL THIS MONTH	567	LOWEST SEA-LEVEL	29.865 on 22nd
DEPARTURE FROM NORMAL	-135	AVG STATION	24.050

NOTES:	
9TH: AVERAGE WIND SPEED PARTIALLY ESTIMATED FOR ONE HOUR DUE TO INSTRUMENT WORK AND WINDS TOO LOW FOR PITOT ANEMOMETER	
10TH: SNOWFALL TOTAL ESTIMATED DUE TO MELTING SHORTLY AFTER FALLING AND PRIOR TO COLLECTION.	
14TH: DAILY RECORD HIGH OF 60°F EQUALLED; RECORD ORIGINALLY SET IN 1993 AND EQUALED IN 2017.	
15TH: NEW DAILY RECORD HIGH OF 62°F; PREVIOUS RECORD OF 61°F SET IN 1939.	

COOLING DEGREE DAYS (BASE 65°F)		AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR					NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 301 HOURS OF PREVAILING WINDS FROM THE W, 42% OF THE TOTAL HOURS OF THE MONTH.
TOTAL THIS MONTH	0	0600	1200	1800	0000	MONTH	
DEPARTURE FROM NORMAL	0	80	86	84	79	82	
SEASON TOTAL	0						
DEPARTURE FROM NORMAL	0						