

WS FORM F-6											STATION MOUNT WASHINGTON OBSERVATORY							
PRELIMINARY LOCAL CLIMATOLOGICAL DATA											MONTH AUGUST				YEAR 2025			
LATITUDE 44 DEGREES 16 MINUTES NORTH						LONGITUDE 71 DEGREES 18 MINUTES WEST					GROUND ELEVATION 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-7AM	AVG SPEED	FASTEST MILE	DIR	TOTAL	% POSS			
1	48	38	43	50	-7	22	0	0.00	0.0	0	10.0	35	280 (W)	578	65	6	12	
2	51	37	44	50	-6	21	0	0.00	0.0	0	20.9	46	290 (W)	678	76	4		
3	55	43	49	50	-1	16	0	0.00	0.0	0	31.5	44	280 (W)	660	74	3	128	
4	55	47	51	50	1	14	0	0.00	0.0	0	23.4	42	300 (NW)	303	34	8	128	
5	53	48	51	50	1	14	0	0.00	0.0	0	21.0	33	280 (W)	49	6	10	128	
6	55	48	52	49	3	13	0	0.00	0.0	0	12.4	29	280 (W)	81	9	10	12	
7	59	48	54	49	5	11	0	0.00	0.0	0	7.6	18	270 (W)	403	46	9	12	
8	58	49	54	49	5	11	0	2.10	T	0	4.9	20	280 (W)	350	40	9	125	
9	60	49	55	49	6	10	0	0.00	0.0	0	9.4	27	270 (W)	560	64	8	12	
10	64	53	59	49	10	6	0	0.00	0.0	0	12.1	24	290 (W)	700	81	6		
11	67	56	62	49	13	3	0	0.00	0.0	0	6.8	20	150 (SE)	718	83	5		
12	66	57	62	49	13	3	0	0.00	0.0	0	7.3	20	130 (SE)	707	82	5		
13	69	55	62	49	13	3	0	0.01	0.0	0	8.3	31	260 (W)	480	56	6	12	
14	58	47	53	49	4	12	0	T	0.0	0	14.4	40	280 (W)	238	28	9	12	
15	62	47	55	49	6	10	0	0.00	0.0	0	7.0	18	200 (S)	822	96	4		
16	61	48	55	49	6	10	0	0.00	0.0	0	17.6	38	280 (W)	628	74	5		
17	61	44	53	49	4	12	0	0.21	0.0	0	27.1	51	320 (NW)	408	48	8	12	
18	47	36	42	49	-7	23	0	0.00	0.0	0	19.0	47	330 (NW)	810	96	6		
19	49	38	44	49	-5	21	0	0.01	0.0	0	11.9	27	260 (W)	237	28	9	1	
20	47	41	44	49	-5	21	0	T	T	0	9.9	29	060 (NE)	159	19	10	124	
21	50	40	45	48	-3	20	0	0.00	0.0	0	18.9	40	060 (NE)	839	100	5		
22	53	42	48	48	0	17	0	0.00	0.0	0	19.6	46	010 (N)	595	71	6		
23	58	46	52	48	4	13	0	0.00	0.0	0	22.0	47	220 (SW)	507	61	9	12	
24	52	45	49	48	1	16	0	0.04	0.0	0	26.7	50	240 (SW)	68	8	10	12	
25	52	42	47	48	-1	18	0	0.01	0.0	0	23.0	45	250 (W)	50	6	10	12	
26	42	38	40	48	-8	25	0	0.00	0.0	0	41.2	65	280 (W)	0	0	10	12	
27	40	35	38	48	-10	27	0	0.15	0.0	0	28.8	54	290 (W)	32	4	10	12	
28	50	35	43	48	-5	22	0	0.00	0.0	0	17.7	37	220 (SW)	601	73	8	12	
29	44	38	41	48	-7	24	0	0.05	0.0	0	19.9	51	220 (SW)	60	7	10	12	
30	38	34	36	47	-11	29	0	0.59	T	0	31.8	56	270 (W)	0	0	10	124	
31	48	35	42	47	-5	23	0	0.02	0.0	0	16.2	43	320 (NW)	629	78	3	12	
SUM	1672	1359	----	----	----	490	0	3.19	T	----	548.3	----	----	12950	----	231	----	
AVG	53.9	43.8	----	----	----	----	----	----	----	----	17.7	FASTEST 65	DIR 280 (W)	POSS 26399	49%	7.5	----	

TEMPERATURE DATA (°F)

PRECIPITATION DATA (IN.)

WEATHER

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY	48.9	TOTAL FOR THE MONTH	3.19	NUMBER OF DAYS:	1 = FOG
DEPARTURE FROM NORMAL	0.2	DEPARTURE FROM NORMAL	-4.53		2 = FOG REDUCING VISIBILITY
HIGHEST	69 on 13th	24 HOUR MAX	2.10 on 8th	CLEAR (SCALE 0-3)	TO 1/4 MILE OR LESS
LOWEST	34 on 30th			PARTLY CLOUDY (SCALE 4-7)	3 = THUNDER
		SNOWFALL, ICE PELLETS (IN.)		CLOUDY (SCALE 8-10)	4 = ICE PELLETS
NUMBER OF DAYS WITH:					5 = HAIL
		TOTAL FOR THE MONTH	T	WITH .01" OR MORE PRECIP	10
MAX. 32 OR BELOW	0	24 HOUR MAX	T on 8th, 20th, 30th	WITH .10" OR MORE PRECIP	4
MAX. 90 OR ABOVE	0	MAX DEPTH ON GROUND	0 on N/A	WITH .50" OR MORE PRECIP	2
MIN. 32 OR BELOW	0			WITH 1.0" OR MORE PRECIP	1
MIN. 0 OR BELOW	0	PRESSURE DATA (IN.)			
HEATING DEGREE DAYS (BASE 65°F)		HIGHEST SEA-LEVEL	30.662 on 6th		
		LOWEST SEA-LEVEL	29.931 on 25th		
TOTAL THIS MONTH	490	AVG STATION	24.016		
DEPARTURE FROM NORMAL	-15				
SEASON TOTAL	876				
DEPARTURE FROM NORMAL	-97				
COOLING DEGREE DAYS (BASE 65°F)					
TOTAL THIS MONTH	0				
DEPARTURE FROM NORMAL	0				
SEASON TOTAL	0				
DEPARTURE FROM NORMAL	0				

NOTES:

8TH: SNOWFALL FELL ENTIRELY AS SMALL HAIL AND IS ESTIMATED DUE TO MELTING PRIOR TO COLLECTION

8TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR DUE TO LOW WINDS BEING FELT BUT FALLING BELOW THE THRESHOLD SPEED FOR RM YOUNG PROPELLER

11TH: DAILY AVERAGE WIND SPEED ESTIMATED FOR ONE HOUR DUE TO RM YOUNG MALFUNCTIONING

13TH: NEW DAILY RECORD HIGH OF 69°F; PREVIOUS RECORD OF 68°F ORIGINALLY SET IN 2002

20TH: SYNOPTIC SNOWFALL ESTIMATED DUE TO MELTING PRIOR TO COLLECTION

AVG RELATIVE HUMIDITY FOR EACH SYNOPTIC HOUR

0600	1200	1800	0000	MONTH
80	77	85	82	81

NOTE: PEAK GUST (COL. 11) ENTERED IN PLACE OF FASTEST MILE RECORDED FROM PITOT-STATIC TYPE ANEMOMETER. THERE WERE 341 HOURS OF PREVAILING WINDS FROM THE W, 46% OF THE TOTAL HOURS OF THE MONTH.