

NATIONAL WEATHER SERVICE OFC
GREATER WILMINGTON AIRPORT

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

OCTOBER 1978

WILMINGTON, DELAWARE

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		STATION PRES- SURE IN. ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS																			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINNING WITH JULY 1)	COOLING (SEASON BEGINNING WITH JAN. 1)	WATER EQUIVA- LENT IN.			SNOW, ICE PELLETS IN.	RESULTANT SPEED M.P.H.		DIRECTION	AVERAGE SPEED M.P.H.	FASTEST MILE	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT																			
																					18	19	20	21															
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22																	
1	74	61	68		5	61	0	3	1	8	0	.32	0	29.94	34	2.1	5.2	9	14	10	10	2																	
2	71	46	59		-3	50	6				0	0	0	29.93	34	10.0	16	35		2	2	2																	
3	69	43	56		-6	48	9			8	0	0	0	29.99	09	3.7	7.6	10	12		6	9	3																
4	62	50	56		-6	55	9		2		0	.07	0	29.87	16	1.8	7.1	10	28		10	9	4																
5	66	50	58		-3	55	7		0	2		0	0	29.99	08	3.5	4.9	13	09		10	10	5																
6	72	49	61		0	50	4		2		0	.26	0	29.73	29	6.7	7.5	20	29		3	9	6																
7	63	44	54		-7	39	11		0		0	0	0	29.78	28	8.6	9.1	22	32		8	9	7																
8	59	39	49		-11	34	16		0		0	0	0	30.00	28	9.7	9.8	17	30		4	8	8																
9	61	35	48		-11	33	17		0		0	0	0	30.24	28	6.0	7.5	13	29		2	1	8																
10	70	36	53		-6	39	12		0		0	0	0	30.21	26	3.7	4.3	9	23		1	1	10																
11	71	43	57		-2	45	8		1	8	0	0	0	30.06	14	4.0	5.9	16	16		0	1	11																
12	76	51	64		5	54	1		2		0	0	0	29.93	20	5.3	6.8	14	23		4	4	12																
13	82 ^W	55	69 ^W		11	56	0		1	8	0	0	0	29.90	20	7.1	8.2	16	22		6	6	13																
14	71	43	57		-1	53	8				0	.02	0	29.77	24	3.5	11.2	18	32		10	8	14																
15	57	36	47		-11	30	18				0	0	0	29.92	31	9.7	10.1	18	32		3	2	15																
16	60	34	47		-10	37	18			8	0	.59	0	30.06	05	4.8	8.3	14	04		8	8	16																
17	58	37	48		-9	37	17				0	.05	0	30.26	03	8.7	9.6	15	04		3	4	17																
18	60	31 ^W	46		-10	34	19			8	0	0	0	30.26	26	5.1	7.5	17	27		2	4	18																
19	59	47	53		-3	45	12			8	0	0	0	29.90	24	6.2	7.3	13	22		10	10	19																
20	61	39	50		-6	40	15			8	0	0	0	29.90	33	7.0	7.9	16	35		4	4	20																
21	68	37	53		-2	40	12				0	0	0	30.07	24	4.9	6.3	13	26		0	0	21																
22	76	40	58		3	45	7		2	8	0	0	0	30.06	23	2.7	3.7	9	22		6	4	22																
23	81	46	64		8	49	1		2		0	0	0	29.88	30	5.1	9.2	20	11		8	7	23																
24	56	34	45 ^W		-9	27	20				0	0	0	30.05	34	5.4	8.5	10	01		1	4	24																
25	65	32	49		-5	36	18				0	0	0	29.98	19	7.8	7.9	17	19		2	2	25																
26	70	52	61		8	50	4			8	0	.02	0	29.78	23	3.6	5.8	15	18		10	10	26																
27	64	39	52		-1	40	13			8	0	.15	0	29.94	31	8.9	9.4	20	29		1	2	27																
28	64	33	49		-4	36	16				0	0	0	30.13	19	2.1	6.0	13	18		0	0	28																
29	63	37	50		-2	35	15				0	0	0	30.27	01	6.3	7.6	13	05		0	0	29																
30	61	39	50		-2	34	15				0	0	0	30.50	05	10.8	11.5	15	05		4	5	30																
31	64	43	54		2	40	11				0	0	0	30.26	31	3.6	4.8	12	31		0	2	31																
SUM		SUM				TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH		TOTAL		%		SUM		SUM																	
2053		1304				337		7		NUMBER OF DAYS		1.48		0		30		2.4		7.6		22																	
AVG.		AVG.		AVG.		DEP.		AVG.		DEP.		DEP.				DATE: 07		POSSIBLE		MONTH		AVG.																	
66.2		42.0		54.3		-3.1		43		83		-5										4.4																	
SEASON TO DATE										SNOW, ICE PELLETS										GREATEST DEPTH ON GROUND OF SNOW.																			
TOTAL										0										GREATEST DEPTH ON GROUND OF SNOW.																			
MAXIMUM TEMP.										MINIMUM TEMP.										PRECIPITATION										SNOW, ICE PELLETS									
30°										< 32°										DEP.										DEP.									
0										2										11.7										24									
0										0										1.0										16-17									
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* EXTREME FOR THE MONTH - LAST OCCURRENCE IF
 MORE THAN ONE.
 T TRACE AMOUNT
 + ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DE-
 GREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
 DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED.

ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY

SUMMARY BY HOURS

LOGS	TOWER	TOWER	AVERAGES										RESULTANT	
			STATION PRESSURE IN.	TEMPERATURE				RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	M.P.H.	MIND		
				AIR °F	WET BULB °F	DEW POINT °F	WIND SPEED M.P.H.							
													WIND SPEED M.P.H.	DIRECTION
01	5	5	30.02	49	46	43	80	5.9	33	2.8	2.8			
04	5	5	30.01	47	46	43	80	5.9	33	2.8	2.8			
07	5	5	30.04	47	44	43	93	5.9	33	2.8	2.8			
10	5	5	30.06	56	51	44	62	10.0	29	3.2	3.2			
13	5	5	30.01	64	53	43	48	11.2	28	3.6	3.6			
16	5	5	29.99	63	52	42	48	10.4	27	3.6	3.6			
19	5	5	30.01	55	46	44	67	7.2	26	1.7	1.7			
23	5	5	30.02	51	47	43	75	5.3	24	1.7	1.7			

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

[illegible]

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NATIONAL OCEANIC AND / ENVIRONMENTAL DATA AND
ATMOSPHERIC ADMINISTRATION INFORMATION SERVICE

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DIRECTOR, NATIONAL CLIMATIC CENTER

USCOMM--NOAA--ASHEVILLE

11/27/78

400

OBSERVATIONS AT 3-HOUR INTERVALS

[illegible]

NOTES

CEILING

UNL INDICATES UNLIMITED

WEATHER

T	TORNADO
N	THUNDERSTORM
Q	SQUALL
R	RAIN
RW	RAIN SHOWERS
ZR	FREEZING RAIN
L	DRIZZLE
ZL	FREEZING DRIZZLE
S	SNOW
SP	SNOW PELLETS
IC	ICE CRYSTALS
SN	SNOW SHOWERS
SG	SNOW GRAINS
IP	ICE PELLETS
A	HAIL
F	FOG
IF	ICE FOG
GF	GROUND FOG
BD	BLOWING DUST
BN	BLOWING SAND
BS	BLOWING SNOW
BY	BLOWING SPRAY
K	SMOKE
M	HAZE
H	DUST

WIND

DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH: 1-E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. ENTRY OF 00 IN THE DIRECTION COLUMN INDICATES CALM..

SPEED IS EXPRESSED IN KNOTS:
MULTIPLY BY 1.15 TO CONVERT
TO MILES PER HOUR.

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
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