

Local Climatological Data



MONTHLY SUMMARY

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

DATE	TEMPERATURE °F					DEGREE BASE 65°	DAYS	WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 DRIZZLE 7 GUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION WATER EQUIVALENT IN.	SNOW, ICE PELLETS IN.	AVG. STATION PRESSURE		WIND	SUNSHINE	SKY COVER TENTHS		DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEN. POINT							HEATING SEASON BEGINS WITH JAN.-1	COOLING SEASON BEGINS WITH JAN.-1			RESULTANT DIR.	FASTEST MILE		MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET
1	64	47	56	5	49	8			0			30.29	12.2	12.4	18	08	9	7	1		
2	69	55	62	11	55	3	1	8	0	.04		30.21	07	12.8	13.1	20	06	10	10	2	
3	65	60	63	12	58	2	1		0	.36		30.17	06	11.6	11.8	17	06	10	10	3	
4	76*	64	70*	20	61	0	5	1	0	T		30.17	12	4.8	6.8	12	19	9	9	4	
5	71	57	64	14	60	1	0	2	8	.08		30.22	07	10.9	11.1	17	07	10	10	5	
6	57	53	55	9	52	10	1		8	.62		30.10	07	14.6	14.7	18	06	10	10	6	
7	61	55	58	9	54	7	0	1	8	1.47		29.82	07	19.9	20.0	25	07	10	10	7	
8	59	55	57	8	53	8	1		8	.17		29.84	04	9.4	10.6	20	05	10	10	8	
9	52	55	59	11	53	6	0	1	8	T		29.87	20	3.7	5.5	14	17	10	10	9	
10	66	44	55	7	54	10	0	2	8	.14		29.73	17	10.2	14.1	23	29	10	10	10	
11	46	33	40	-8	27	25	0	0		0		29.87	27	12.6	13.2	21	30	10	8	11	
12	46	28	37	-10	24	28	0	0		T		30.01	28	7.8	9.9	18	31	10	5	12	
13	40	26	33	-14	19	32	0	0		0		30.12	31	15.8	16.0	23	32	10	3	13	
14	43	24*	34	-12	18	31	0	0		0		30.18	18	9.6	9.9	17	31	10	5	14	
15	55	33	44	7	37	21	0	0		0		30.05	18	4.7	5.0	12	23	10	6	15	
16	64	42	53	7	37	12	0	0		.05		29.87	20	7.4	8.1	14	18	10	6	16	
17	65	43	54	9	47	11	0	1 3 5		.48		29.62	24	8.6	11.5	28	30	10	9	17	
18	52	33	43	-2	26	22	0	0		0		29.87	27	11.7	12.8	25	30	10	3	18	
19	45	31	38	-6	24	27	0	0		0		30.21	29	10.5	10.9	17	30	10	5	19	
20	46	30	38	-6	27	27	0	0		0		30.40	20	8	6.8	9	18	10	7	20	
21	51	39	45	1	43	20	0	1		.06		30.25	18	6.3	7.1	12	18	10	10	21	
22	50	39	45	2	37	20	0	1		.23		30.24	38	6.6	8.3	13	01	10	10	22	
23	46	39	43	0	38	22	0	1	8	.50		30.11	03	8.4	9.6	16	06	10	10	23	
24	52	39	46	4	38	19	0	1	8	.01		29.91	31	7.5	7.9	13	32	10	9	24	
25	45	34	40	-2	34	25	0	1		.74		29.78	03	5.2	7.9	13	33	10	9	25	
26	41	27	34	-7	24	31	0	0		.10		29.42	30	17.4	18.0	24	29	10	6	26	
27	34	25	30*	-11	14	35	0	0		.03	.3	30.01	25	10.4	13.5	18	26	10	6	27	
28	47	27	37	-4	26	28	0	0		0		30.18	27	4.3	7.2	16	19	10	8	28	
29	37	25	31	-9	28	34	0	1 4 8		.28	.1	30.46	01	5.9	6.6	12	36	10	8	29	
30	45	36	41	1	38	24	0	2		.80	0	30.15	05	10.1	10.5	18	06	10	10	30	
SUM	1600	1198			550	5	5	NUMBER OF DAYS	6.14	.4	30.04	35	2.2	10.7	29	30	TOTAL	2	SUM	SUM	
AVG.	53.3	39.9	46.6	0.9	38	-28	5	PRECIPITATION	2.65								DATE: 17	POSSIBLE	MONTH	AVG.	AVG.
								>.01 INCH	18										8.4	7.7	
				SEASON TO DATE		SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW.									
NUMBER OF DAYS		TOTAL		TOTAL		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS		ICE PELLETS ON ICE AND DATE									
2	90	32	3	32	0	0	0	3	1.65	6-7	3	27	T	29+							
0	0	9	0	70	128	CLEAR	1	PARTLY CLOUDY	7	CLOUDY	22										

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † TRACE AMOUNT
 * ALSO ON AN EARLIER DATE, OR DATES.
 HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
 FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES 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

HOUR LOCAL TIME	SKY COVER TENTHS	STATION PRESSURE IN.	TEMPERATURE			RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	RESULTANT WIND SPEED M.P.H.
			AIR °F	NET BULB °F	DEW PT. °F				
01	7	30.04	45	42	38	77	9.8	35	2.3
04	7	30.04	44	41	37	78	9.7	35	2.4
07	7	30.06	43	41	37	78	9.4	35	2.4
10	8	30.08	48	44	38	68	12.3	33	2.9
13	9	30.03	51	46	39	64	12.3	33	2.1
16	9	30.01	50	45	39	68	11.5	35	2.3
19	8	30.03	47	44	39	73	10.2	36	1.3
22	7	30.03	46	43	38	78	10.1	02	2.0

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A. M. HOUR ENDING AT												P. M. HOUR ENDING AT												DATE											
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12												
1																									1											
2	T	T	T	T	T	T	T																		2											
3	T	T	T	T	T	T			T	.02	.01	.03													3											
4																									4											
5																									5											
6	T	T	T	T	T	T			T	T	T	T													6											
7	.10	.33	.19	.12	.02	.08	.03		.04	.04	.02	.02													7											
8	.05	.04	.02	.01	.01																				8											
9	T																								9											
10																									10											
11																									11											
12																									12											
13																									13											
14																									14											
15																									15											
16																									16											
17		.04	.10	.12	.01	T				T	T	T											.01	.04	17											
18																									18											
19																									19											
20																									20											
21																									21											
22	T	T	T	.01					T	T	T	T											.01	.02	.08	22										
23	.06	.06	.07	.05	.12	.06	.06	.02	T	T	T	T										T	T	T	T	23										
24	T	.01	T	T																						24										
25																										25										
26	.02	.08	T	T	T				T	T	T															26										
27																										27										
28																										28										
29																										29										
30	.01	T	T	T	T	T	.01	T	T	T	T	T												.03	.06	.04	.03	.04	.02	.01	.08	.08	.13	.18	.29	30

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE, 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE, NOAA. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC CENTER, ASHEVILLE, NORTH CAROLINA 28801.

NOVEMBER 1977 WILMINGTON, DELAWARE

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER TENTHS	CEILING HNDSD-F.F.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND DIR	SPEED KNOTS	SKY COVER TENTHS	CEILING HNDSD-F.F.	VISI- BILITY MILES	WEATHER	TEMPERATURE					WIND DIR	SPEED KNOTS	SKY COVER TENTHS	CEILING HNDSD-F.F.	VISI- BILITY MILES	WEATHER	TEMPERATURE				
					AIR F.	NET BULB F.	DEW PT. F.	REL. HUM.	WIND SPEED							AIR F.	NET BULB F.	DEW PT. F.	REL. HUM.	WIND SPEED							AIR F.	NET BULB F.	DEW PT. F.	REL. HUM.	WIND SPEED
01	0	UNL	15		56	45	39	66	05	11	10	10	8	6		57	54	52	83	06	12	10	5	4		52	60	58	87	06	9
04	1	UNL	15		48	44	39	71	05	10	10	10	5	2		56	54	53	80	05	13	10	7	3		61	59	57	87	06	7
07	4	UNL	10		48	45	41	77	05	8	10	10	4	1		56	54	53	90	06	13	10	6	2		62	60	58	87	06	11
10	6	UNL	10		54	48	45	72	06	12	10	10	5	2		61	58	55	81	06	15	10	4	1		62	60	58	87	05	14
13	9	85	12		63	55	49	60	08	16	10	10	26	6		67	61	57	70	08	9	10	4	1		63	61	59	87	06	12
16	10	36	12		61	54	49	65	08	16	10	10	26	6		65	60	57	75	08	11	10	4	1		63	61	60	90	06	12
19	10	20	12		58	54	50	75	08	9	10	10	11	8		63	59	56	78	08	10	10	6	3		64	62	60	87	07	9
22	10	13	12		57	54	51	80	07	8	10	10	11	10		62	60	58	87	06	8	10	6	3		65	63	61	87	07	8

NOTES
CEILING
UNL INDICATES UNLIMITED

WEATHER
* TORNADO
T 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
R RAIL
F FOG
IF ICE FOG
GF GROUND FOG
BD BLOWING DUST
BN BLOWING SAND
BS BLOWING SNOW
BY BLOWING SPRAY
K SMOKE
H HAZE
D DUST

WIND
DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. INDICATED IN TENS OF DEGREES FROM TRUE NORTH; I.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.

STATION
WILMINGTON DEL
YEAR & MONTH
77 11

U.S. DEPARTMENT OF COMMERCE
NATIONAL CLIMATIC CENTER
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF COMMERCE

COM-210



FIRST CLASS