



**LOCAL CLIMATOLOGICAL DATA**  
 U.S. DEPARTMENT OF COMMERCE  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
 ENVIRONMENTAL DATA SERVICE

WILMINGTON, DELAWARE  
 NATIONAL WEATHER SERVICE OFC  
 GREATER WILMINGTON AIRPORT  
 AUGUST 1975

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

DATE	TEMPERATURE °F								WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG X 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		AVG. STATION PRESSURE IN. ELEV. FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS		DATE
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65°		WATER EQUIVA- LENT IN.			SNOW-ICE PELLETS IN.	RESULTANT DIRECTION		SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST M.P.H.	DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
						HEATING	COOLING															
1	95	69	82	6	68	0	17	8	0	0	0	30.04	27	4.5	5.8	10	28	3	2	1		
2	97*	75	86	10	69	0	21	8	0	0	0	29.88	29	5.8	6.8	9	26	2	1	2		
3	95	76	86*	10	69	0	21	8	0	0	0	29.81	25	6.2	6.9	13	25	2	2	3		
4	94	74	84	8	69	0	19	3	0	.32	0	29.81	36	3.0	5.9	16	23	7	7	4		
5	89	73	81	6	66	0	16	8	0	0	0	29.78	29	6.2	8.3	15	21	4	5	5		
6	79	62	71	-4	65	0	6	8	0	.10	0	29.73	01	5.1	6.8	15	02	10	10	6		
7	73	59	66	-9	57	0	1	0	0	T	0	29.93	14	11.7	12.2	17	33	9	8	7		
8	82	56*	69	-6	55	0	4	0	0	0	0	30.08	33	6.1	7.6	17	36	4	4	8		
9	87	63	75	0	57	0	10	0	0	0	0	30.05	30	5.5	6.3	13	31	1	1	9		
10	87	64	76	1	63	0	11	8	0	0	0	29.93	26	8.5	8.9	13	28	9	7	10		
11	87	72	80	5	66	0	15	8	0	0	0	29.83	29	3.7	5.6	9	26	7	7	11		
12	90	68	78	4	65	0	14	8	0	0	0	29.89	31	5.9	7.1	10	31	4	4	12		
13	91	69	80	5	65	0	15	3	0	0	0	29.93	26	9.1	8.9	32	31	8	7	13		
14	87	70	79	5	68	0	14	3	0	0	0	29.90	27	9.4	10.1	18	24	6	6	14		
15	81	72	77	3	62	0	12	8	0	0	0	29.94	09	1.7	6.9	9	17	10	10	15		
16	77	69	73	-1	66	0	8	8	0	1.33	0	29.87	06	6.5	7.6	13	07	10	10	16		
17	78	68	73	-1	65	0	8	8	0	.01	0	29.84	35	2.0	2.2	7	30	10	10	17		
18	87	67	77	3	66	0	12	2	0	0	0	29.86	29	5.6	6.3	16	32	4	4	18		
19	81	64	73	-1	59	0	8	8	0	.02	0	30.00	32	2.3	5.9	12	30	5	5	19		
20	81	64	73	-1	58	0	8	8	0	.04	0	30.09	36	5.9	6.8	12	36	5	6	20		
21	80	61	71	-3	62	0	6	8	0	0	0	30.13	18	4.9	7.3	13	17	10	9	21		
22	99	73	81	8	69	0	16	3	0	T	0	29.96	26	8.2	9.4	15	27	9	9	22		
23	77	65	71	-2	55	0	6	0	0	0	0	30.12	04	4.3	7.5	14	03	8	8	23		
24	85	67	76	3	68	0	11	1	8	.10	0	29.97	22	5.8	6.0	14	20	9	8	24		
25	93	71	82	9	71	0	17	1	8	0	T	29.87	26	3.4	4.0	10	32	3	3	25		
26	94	75	85	12	71	0	20	1	8	0	T	29.96	21	3.4	5.5	17	32	1	1	26		
27	87	68	78	5	60	0	13	0	0	0	0	30.13	33	7.3	7.6	15	31	3	2	27		
28	83	62	73	1	55	0	8	0	0	0	0	30.19	01	3.5	4.3	13	05	4	4	28		
29	82	61	72	0	60	0	7	1	8	0	0	30.08	16	8.5	8.8	16	18	8	8	29		
30	82	68	75	3	64	0	10	0	0	T	0	29.89	24	2.9	8.8	18	09	10	10	30		
31	70	62	66*	-6	55	0	1	0	0	.02	0	30.05	07	14.9	15.0	17	08	10	10	31		
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:						TOTAL	Z	SUM	SUM	
2640	2087					0	355			2.55	0	29.95	30	2.6	7.3	32	31			194	189	
AVG.	AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.			PRECIPITATION	DEP.					DATE: 13		POSSIBLE		MONTH	AVG.	
85.2	67.3	76.3	2.2	63	0	73	0			>.01 INCH	10	-1.43								6.3	6.1	
SEASON TO DATE											SNOW, ICE PELLETS > 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE ON DATE					
NUMBER OF DAYS				TOTAL				TOTAL				PRECIPITATION				SNOW, ICE PELLETS						
MAXIMUM TEMP. > 90 °F				MINIMUM TEMP. < 32 °F				DEP. < 0 °F				THUNDERSTORMS				HEAVY FOG X						
0				0				0				4				1						
CLEAR											PARTLY CLOUDY		CLOUDY				CLOUDY					
135											7		10				14					

**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																										2
3																										3
4																										4
5																										5
6																										6
7																										7
8																										8
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26																										26
27																										27
28																										28
29																										29
30																										30
31																										31

\* EXTREME TEMPERATURES FOR THE MONTH, MAY BE THE LAST OF MORE THAN ONE OCCURRENCE.  
 - BELOW ZERO TEMPERATURE OR NEGATIVE DEPARTURE FROM NORMAL.  
 + TO AT ALASKAN STATIONS.  
 \* ALSO ON AN EARLIER DATE, OR DATES.  
 X HEAVY FOG RESTRICTS VISIBILITY TO 1/4 MILE OR LESS.  
 T IN THE HOURLY PRECIPITATION TABLE AND IN COLUMNS 9, 10, AND 11 INDICATES AN AMOUNT TOO SMALL TO MEASURE  
 THE SEASON FOR DEGREE DAYS BEGINS WITH JULY FOR HEATING AND JANUARY FOR COOLING.  
 DATA IN COLUMNS 6, 12, 13, 14, AND 15 ARE BASED ON 8 OBSERVATIONS PER DAY AT 3-HOUR INTERVALS.  
 WIND DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS. RESULTANT WIND IS THE VECTOR SUM OF WIND DIRECTIONS AND SPEEDS DIVIDED BY THE NUMBER OF OBSERVATIONS.  
 FIGURES FOR DIRECTIONS ARE TENS OF DEGREES FROM TRUE NORTH; I.E., 09-EAST, 18-SOUTH, 27-WEST, 36-NORTH, AND 00-CALM. WHEN DIRECTIONS ARE IN TENS OF DEGREES IN COL. 17, ENTRIES IN COL. 16 ARE FASTEST OBSERVED 1-MINUTE SPEEDS. IF THE / APPEARS IN COL. 17, SPEEDS ARE GUSTS.  
 ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

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*William H. Haggard*

DIRECTOR, NATIONAL CLIMATIC CENTER

**SUMMARY BY HOURS**

HOUR	LOCAL TIME	SKY COVER	STATION PRESSURE	TEMPERATURE				WIND			
				AIR °F	WET BULB °F	DEW PT. °F	RELATIVE HUMIDITY %	WIND SPEED M.P.H.	DIRECTION	SPEED M.P.H.	M.P.H.
01	6	29.95	71	66	63	77	5.2	29	1.5		
04	5	29.95	69	65	62	79	5.7	32	2.5		
07	6	29.98	71	66	63	76	5.5	33	2.8		
10	6	29.98	79	69	63	60	9.0	33	3.3		
13	6	29.96	83	70	64	53	9.8	30	4.6		
16	6	29.93	83	70	64	53	10.0	28	4.6		
19	6	29.93	78	69	64	63	7.0	26	2.0		
22	6	29.95	74	68	64	72	6.4	29	.9		

WILMINGTON, DELAWARE

# OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	TEMP. WIND	VISI-BILITY	TEMPERATURE				WIND	VISI-BILITY	TEMPERATURE	WIND	VISI-BILITY	TEMPERATURE				WIND
				AIR °F	WET BULB °F	DEW PT. °F	REL. HUM.						AIR °F	WET BULB °F	DEW PT. °F	REL. HUM.	
DAY 01																	
01	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML	72 66 63 73 17	0 UML		
DAY 02																	
01	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML	76 71 68 78 30	0 UML		
DAY 03																	
01	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML	78 73 70 77 30	0 UML		
DAY 04																	
01	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML	78 73 70 77 26	0 UML		
DAY 05																	
01	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML	74 70 68 82 21	0 UML		
DAY 06																	
01	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML	77 70 66 60 00	0 UML		
DAY 07																	
01	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML	62 60 58 87 34	0 UML		
DAY 08																	
01	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML	58 56 54 87 00	0 UML		
DAY 09																	
01	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML	68 63 59 73 31	0 UML		
DAY 10																	
01	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML	67 63 50 78 28	0 UML		
DAY 11																	
01	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML	74 68 67 79 27	0 UML		
DAY 12																	
01	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML	72 68 63 73 30	0 UML		
DAY 13																	
01	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML	71 68 66 84 31	0 UML		
DAY 14																	
01	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML	73 67 64 74 28	0 UML		
DAY 15																	
01	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML	77 67 62 60 05	0 UML		
DAY 16																	
01	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML	74 69 67 79 14	0 UML		
DAY 17																	
01	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML	69 65 64 84 00	0 UML		
DAY 18																	
01	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML	72 69 68 87 00	0 UML		
DAY 19																	
01	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML	70 63 59 68 03	0 UML		
DAY 20																	
01	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML	71 68 66 84 00	0 UML		
DAY 21																	
01	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML	64 60 58 81 33	0 UML		
DAY 22																	
01	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML	75 71 69 82 23	0 UML		
DAY 23																	
01	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML	72 61 53 51 02	0 UML		
DAY 24																	
01	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML	69 64 61 76 00	0 UML		
DAY 25																	
01	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML	73 69 67 82 00	0 UML		
DAY 26																	
01	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML	77 74 73 88 00	0 UML		
DAY 27																	
01	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML	74 68 64 71 00	0 UML		
DAY 28																	
01	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML	66 63 61 84 00	0 UML		
DAY 29																	
01	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML	67 62 59 76 00	0 UML		
DAY 30																	
01	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML	71 65 61 71 19	0 UML		
DAY 31																	
01	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML	67 61 57 70 08	0 UML		

**NOTES**

CEILING COLUMN-  
UML INDICATES AN UNLIMITED  
CEILING

**WEATHER COLUMN-**

# TORNADO  
T THUNDERSTORM  
O SQUALL  
R RAIN  
RW RAIN SHOWERS  
ZR FREEZING RAIN  
L DRIZZLE  
ZL FREEZING DRIZZLE  
S SNOW  
SP SNOW PELLETS  
IC ICE CRYSTALS  
SM SNOW SHOWERS  
SG SNOW GRAINS  
IP ICE PELLETS  
H 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  
D DUST

**WIND COLUMNS-**

DIRECTIONS ARE THOSE FROM  
WHICH THE WIND BLOWS. INDICATED  
IN TERMS 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.

**ADDITIONAL DATA**

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STATION: WILMINGTON DEL YEAR & MONTH: 75 06

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

AN EQUAL OPPORTUNITY EMPLOYER

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