

AUGUST 1995
WILMINGTON, DE
GREATER WILMINGTON AIRPORT

LOCAL CLIMATOLOGICAL DATA

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LATITUDE: 39° 40' N LONGITUDE: 75° 36' W ELEVATION (GROUND): 74 FEET TIME ZONE: EASTERN STANDARD ISSN # 0198-117X WBAN # 13781

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		SIGNIFICANT WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								SUNSHINE		CLOUDINESS				
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	0700 LST	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM				TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER TENTHS	SATELLITE TENTHS	CEILOMETER TENTHS	SATELLITE TENTHS		
																			5-SEC		2-MIN									
																			SPEED	DIR	SPEED	DIR								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
01	92	68	80	3	68	72	0	15	H	0		0.0	0.00	30.01	30.09	4.8	18	6.3	17	16	15	16			2	0	1	0		
02	95	75	85	8	73	76	0	20	FH	0		0.0	0.00	30.04	30.12	4.8	18	5.7	18	16	15	17			1		1			
03	91	75	83	6	74	76	0	18	TRFH	0		0.0	T	30.10	30.18	5.5	16	6.1	23	21	18	15				4		3		
04	96*	74	85	9	70	74	0	20	TR	0		0.0	0.65	29.97	30.04	8.8	23	9.4	38	28	33	28								
05	91	75	83	7	63	70	0	18	TRFH	0		0.0	0.21	29.81	29.89	4.2	26	5.7	23	24	20	24								
06	78	70	74	-2	68	70	0	9	RF+	0		0.0	1.50	29.79	29.91	5.7	5	6.9	24	03	21	03			10		9			
07	77	67	72	-4	59	64	0	7	R	0		0.0	0.07	30.07	30.15	8.5	5	9.7	20	06	16	03								
08	79	59	69	-7	58	63	0	4		0		0.0	0.00	30.12	30.21	6.5	8	7.3	18	06	14	10			1	6	1			
09	80	61	71	-5	62	65	0	6		0		0.0	0.00	30.02	30.10	2.8	11	5.2	11	16	10	16			1		1			
10	83	69	76	0	66	70	0	11		0		0.0	0.00	29.93	30.01	5.3	16	5.9	15	16	14	16			3		4			
11	88	68	78	2	70	73	0	13		0		0.0	0.00	29.86	29.94	4.0	15	5.3	20	14	16	15			1		1			
12	92	69	81	5	72	75	0	16	RFH	0		0.0	T	29.75	29.83	4.9	27	6.2	17	24	14	24			0		1			
13	91	72	82	6	66	71	0	17	FH	0		0.0	0.00	29.80	29.88	5.4	33	6.1	18	35	14	36				0				
14	87	70	79	4	69	72	0	14	RF	0		0.0	0.27	29.85	29.93	5.2	15	5.5	17	15	15	16			1	3				
15	85	71	78	3	69	72	0	13	R	0		0.0	0.02	29.90	29.98	2.7	10	4.3	14	10	10	10			3	3	3			
16	93	69	81	6	70	74	0	16		0		0.0	0.00	29.83	29.91	8.3	5	8.8	17	06	15	05			1	0	1	0		
17	93	76	85*	10	73	76	0	20	RFH	0		0.0	T	29.75	29.83	10.3	2	10.7	24	03	21	02			5	1	4			
18	94	71	83	8	63	70	0	18		0		0.0	0.00	29.83	29.91	8.5	2	10.9	24	01	20	01			0	0	1			
19	85	67	76	1	54	63	0	11		0		0.0	0.00	29.98	30.06	8.5	7	9.1	21	04	18	04			0	0	1			
20	85	58	72	-3	53	61	0	7		0		0.0	0.00	29.95	30.03	1.9	4	5.3	15	03	13	04								
21	90	60	75	1	64	68	0	10		0		0.0	0.00	29.84	29.93	8.0	23	8.2	18	24	15	21			0		0			
22	87	66	77	3	58	66	0	12	FH	0		0.0	0.00	29.92	30.00	8.3	33	9.6	23	31	18	30			1		1			
23	85	57*	71	-3	54	61	0	6	H	0		0.0	0.00	30.04	30.12	3.1	30	7.0	18	15	13	20			0		0			
24	93	60	77	3	61	67	0	12	F	0		0.0	0.00	29.88	29.96	7.2	29	9.5	24	01	21	01			2	0	2	1		
25	81	62	72	-2	48	59	0	7		0		0.0	0.00	30.01	30.09	4.0	35	6.0	20	01	16	01			0	2	0			
26	80	58	69*	-5	58	63	0	4		0		0.0	0.00	30.01	30.09	5.2	16	6.3	20	15	17	15			1		1			
27	87	67	77	4	70	72	0	12		0		0.0	0.00	29.90	29.98	3.5	18	5.2	16	05	14	06			5	4	4			
28	80	67	74	1	61	66	0	9		0		0.0	0.00	29.97	30.05	9.6	6	9.8	20	06	16	05			8	0	7			
29	88	60	74	1	61	66	0	9		0		0.0	0.00	29.91	29.99	2.6	34	5.2	15	31	11	30				0				
30	91	68	80	7	59	66	0	15	FH	0		0.0	0.00	29.94	30.02	2.4	2	8.6	18	01	16	02			0					
31	91	62	77	4	67	70	0	12	FH	0		0.0	0.00	29.83	29.91	7.8	19	8.2	24	22	20	22			2	0				
87.4 66.8 77.1 2.1 63.9 68.7 <----- MONTHLY AVERAGES ----->										29.92	30.00	0.8	6	7.2	<- MONTHLY AVERAGES ->	2		2												
DEPARTURE 3.3 MONTHLY DEGREE DAYS 0.9 SEASON TO DATE										TOTAL SNOWFALL: 0.0 TOTAL PRECIPITATION: 2.03				SUNSHINE TOTALS: PERCENT POSSIBLE:																
TOTAL DEPARTURE 0 TOTAL DEPARTURE 0										PRECIP. DEPARTURE: -1.37 DATE				WIND SPEED DIRECTION DATE																
HEATING: 0 COOLING: 381 71 1079 173										GREATEST 24-HR PRECIPITATION: 1.24 06-07				MAXIMUM 5-SECOND : 38 28 4																
										GREATEST 24-HR SNOWFALL: 0.0				MAXIMUM 2-MINUTE : 33 28 4																
										GREATEST SNOW DEPTH: 0																				
NUMBER OF DAYS WITH ->										MAXIMUM TEMP ≥ 90 : 14				MINIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.01 INCH : 6												
CLEAR PARTLY CLOUDY CLOUDY										MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 4												
7 4 2										THUNDERSTORMS : 3				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 0				<- NUMBER OF DAYS WITH								

AUGUST 1995
WILMINGTON, DE

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUGUST 1995 WBAN # 13781
WILMINGTON, DE

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) 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	
01													01												01	
02													02												02	
03													03	T	T	T									03	
04													04									0.02		0.13	04	
05	0.06	0.03	0.02	0.02	0.02	0.01	0.01	0.01		0.01			05				0.01				0.01			T	05	
06	T	T	T	T	T	T			0.11	0.13	0.11	0.12	06	0.10	0.11	0.09	0.08	0.07	0.06	0.06	0.04	0.04	0.03	0.02	0.02	06
07	0.01	0.01		0.01	0.01			T	T	0.03			07													07
08													08													08
09													09													09
10													10													10
11													11													11
12													12							T	T					12
13													13													13
14									0.03	0.07	0.01		14											0.16		14
15	0.01												15												*	15
16													16													16
17													17						T							17
18													18													18
19													19													19
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26													26													26
27													27													27
28													28													28
29													29													29
30													30													30
31													31													31

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* The sum of the hourly totals follows the * when it disagrees with the daily total on page 1. NWS does not edit ASOS hourly precipitation but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

MAXIMUM SHORT DURATION PRECIPITATION (MSDP) **

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

** NCDC derives MSDP data from one-minute ASOS data. The MSDP data are not printed when inconsistent with ASOS hourly totals.

The time indicated is the ending time of the interval.
Date and time are not entered for trace amounts.

REFERENCE NOTES :

WFO = WEATHER FORECAST OFFICE.

ASOS = AUTOMATED SURFACE OBSERVING SYSTEM.

* = EXTREME FOR THE MONTH (LAST OCCURRENCE IF MORE THAN ONE).

T = TRACE PRECIPITATION AMOUNT.

+ = ALSO OCCURS ON EARLIER DATES.

F+ = HEAVY FOG, VISIBILITY .25 MILES OR LESS.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

THE HEATING DEGREE DAY SEASON BEGINS JULY 1.

THE COOLING DEGREE DAY SEASON BEGINS JANUARY 1.

CEILOMETER (30-SECOND) DATA ARE USED TO DERIVE CLOUDINESS AT OR BELOW 12,000 FEET. THIS CLOUDINESS IS THE MEAN CLOUD COVER DETECTED DURING THE TIME INTERVAL (HOUR, SUNRISE TO SUNSET, OR MIDNIGHT TO MIDNIGHT).

SATELLITE DATA ARE USED TO DERIVE CLOUDINESS ABOVE 12,000 FEET.

EFFECTIVE CLOUD AMOUNT IS BASED ON THE CLOUD COVER AND THE TRANSPARENCY OF THE CLOUDS WITHIN THE SATELLITE FIELD OF VIEW (APPROX. 50 x 50 KM).

SKY CONDITION IS BASED ON THE SUM (NOT TO EXCEED 10) OF THE SUNRISE TO SUNSET CLOUD COVER BELOW AND ABOVE 12,000 FEET. BOTH CEILOMETER AND SATELLITE DATA MUST BE PRESENT TO COMPUTE SKY CONDITION. CLEAR = 0 - 3 TENTHS, PARTLY CLOUDY = 4 - 7 TENTHS, AND CLOUDY = 8 - 10 TENTHS.

RESULTANT WIND IS THE VECTOR SUM OF THE WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS.

WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. '00' INDICATES CALM.

SR-SS = SUNRISE TO SUNSET. MN-MN = MIDNIGHT TO MIDNIGHT.

SNOWFALL IS FOR THE 24-HOUR PERIOD ENDING AT THE TIME INDICATED IN COLUMN HEADING.

WATER EQUIVALENT OF SNOW ON THE GROUND IS REPORTED ONLY WHEN THE DEPTH IS 2 OR MORE INCHES.

H, F, F+, P-, R, S, AND ZR ARE REPORTED FROM ASOS AUTOMATED SENSORS.

OTHER WEATHER TYPES MAY BE ADDED TO THE REPORT BY STATION PERSONNEL OR BE PROVIDED BY THE WEATHER FORECAST OFFICE (WFO).

A HAIL	GL GLAZE	SG SNOW GRAINS
BD BLOWING DUST	H HAZE	SP SNOW PELLETS
BN BLOWING SAND	IC ICE CRYSTALS	T THUNDER
BS BLOWING SNOW	IF ICE FOG	V VOLCANIC ASH
BY BLOWING SPRAY	IP ICE PELLETS	ZL FREEZING DRIZZLE
D DUST	K SMOKE	ZR FREEZING RAIN
F FOG	L DRIZZLE	& TORNADO
F+ HEAVY FOG	P- UNKN. PRECIP.	&C FUNNEL CLOUD
GF GROUND FOG	R RAIN	&W WATERSPOUT
	S SNOW	

NORMALS ARE FOR THE YEARS 1961 - 1990.

A HEATING (COOLING) DEGREE DAY IS THE DEFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65°F.

DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100% RELATIVE HUMIDITY.

WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100% RELATIVE HUMIDITY.

TEMPERATURE - HUMIDITY INDEX (STEADMAN, 1979)

TEMPERATURE ° F	RELATIVE HUMIDITY (PERCENT)										
	0	10	20	30	40	50	60	70	80	90	100
120	107	116	130	148							
115	103	111	120	135	151						
110	99	105	112	123	137	150					
105	95	100	105	113	123	135	149				
100	91	95	99	104	110	120	132	144			
95	87	90	93	96	101	107	114	124	136		
90	83	85	87	90	93	96	100	106	113	122	
85	78	80	82	84	86	88	90	93	97	102	108
80	73	75	77	78	79	81	82	85	86	88	91
75	69	70	72	73	74	75	76	77	78	79	80
70	64	65	66	67	68	69	70	70	71	71	72

APPARENT
TEMPERATURE

WIND CHILL EQUIVALENT TEMPERATURE (SIPLE & PASSEL, 1945)

TEMPERATURE ° F	WIND VELOCITY (MPH)									
	4	5	10	15	20	25	30	35	40	45
45	45	43	34	29	26	23	21	20	19	18
40	40	37	26	23	19	16	13	12	11	10
35	35	32	22	16	12	8	6	4	3	2
30	30	27	16	9	4	1	-2	-4	-5	-6
25	25	22	10	2	-3	-7	-10	-12	-13	-14
20	20	16	3	-5	-10	-15	-18	-20	-21	-22
15	15	11	-3	-11	-17	-22	-25	-27	-29	-30
10	10	6	-9	-18	-24	-29	-33	-35	-37	-38
5	5	0	-15	-25	-31	-36	-41	-43	-45	-46
0	0	-5	-22	-31	-39	-44	-49	-52	-53	-54
-5	-5	-10	-27	-38	-46	-51	-56	-58	-60	-62
-10	-10	-15	-34	-45	-53	-59	-64	-67	-69	-70
-15	-15	-21	-40	-51	-60	-66	-71	-74	-76	-78
-20	-20	-26	-46	-58	-67	-74	-79	-82	-84	-85
-25	-25	-31	-52	-65	-74	-81	-86	-89	-92	-93
-30	-30	-36	-58	-72	-81	-88	-93	-97	-100	-102

ADDITIONAL INFORMATION :

OBSERVATIONS AT 3-HOURLY INTERVALS

AUGUST 1995
WILMINGTON, DE

WBAN # 13781

HOUR (LST)	≤ 12K FEET			SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET			SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP	HIGHEST CLOUD TOP	DRY BULB			DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	CEILOMETER TENTHS		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP	HIGHEST CLOUD TOP	DRY BULB	DEW POINT			WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL				
SUNRISE: 0501 AUG 01 SUNSET: 1917																																					
01	0	NC	0057	0	NT	NT	10.00			73	62	66	69	3	23	30.05	30.13	01	10	20					10.00			70	62	65	76	10	04	29.95	30.03		
04	0	NC	0357	0	NT	NT	10.00			72	62	66	71	0	00	30.05	30.12	04	10	28					10.00			68	61	64	78	14	02	30.00	30.07		
07	0	NC	0657	0	NT	NT	10.00			75	67	70	76	3	26	30.05	30.12	07	10	23					10.00			68	60	63	76	13	02	30.05	30.14		
10	0	NC	0957	0	NT	NT	10.00			86	69	74	57	9	23	30.02	30.11	10		29					10.00			70	59	63	68	13	03	30.09	30.17		
13	5	NC	1257	0	NT	NT	7.00			92	69	76	47	6	20	30.00	30.08	13		NC					10.00			77	57	65	50	12	05	30.08	30.17		
16	1	NC	1557	0	NT	NT	10.00			89	71	77	55	9	16	29.95	30.04	16		60					10.00			77	58	65	52	10	09	30.08	30.17		
19	0	NC					10.00			83	71	75	67	7	14	29.96	30.04	19		NC					10.00			72	59	64	64	6	10	30.09	30.18		
22	1	NC	2157	0	NT	NT	7.00			82	72	75	72	6	17	30.00	30.08	22	0	NC	2157	1	150	380		10.00			69	60	64	73	3	08	30.12	30.21	
SUNRISE: 0502 AUG 02 SUNSET: 1916																																					
01	0	NC					5.00	H		78	72	74	82	3	22	30.02	30.09	01	0	NC					10.00			66	59	62	78	5	06	30.13	30.22		
04	0	NC	0357	0	NT	NT	4.00	F		76	73	74	91	0	00	30.00	30.09	04	0	NC					10.00			65	56	60	73	7	04	30.12	30.21		
07	0	NC	0657	0	NT	NT	3.00	F		77	73	74	88	3	20	30.05	30.12	07	0	NC	0657	5	230	330		10.00			67	58	62	73	10	03	30.15	30.24	
10	0	NC	0957	0	NT	NT	5.00	H		88	74	78	63	6	26	30.05	30.14	10	0	NC	0957	7	260	330		10.00			70	55	61	59	7	08	30.16	30.25	
13	2	NC	1257	0	NT	NT	5.00	H		92	71	77	50	8	14	30.05	30.13	13	5	37	1257	5	240	330		10.00			78	59	66	52	6	11	30.14	30.23	
16	1	NC					7.00			90	73	78	58	12	17	30.02	30.10	16	1	NC	1557	8	190	330		10.00			77	58	65	52	7	11	30.08	30.17	
19	1	NC					5.00	H		86	75	78	70	7	13	30.02	30.11	19	0	NC					10.00			72	59	64	64	12	10	30.08	30.16		
22	0	NC	2157	3	200	440	7.00			81	71	74	72	6	19	30.08	30.17	22	0	NC	2157	8	300	330		10.00			68	60	63	76	6	08	30.12	30.21	
SUNRISE: 0503 AUG 03 SUNSET: 1914																																					
01	1	NC					7.00			77	70	72	79	6	20	30.11	30.20	01	0	NC	0057	9	260	330		10.00			66	60	62	81	3	06	30.08	30.16	
04	0	NC	0357	1	270	380	7.00			76	71	73	85	3	17	30.10	30.19	04	0	NC	0357	9	260	330		10.00			62	60	61	93	6	03	30.05	30.14	
07	1	NC	0657	1	150	380	5.00	H		79	74	76	85	3	19	30.13	30.22	07	0	NC	0657	7	260	330		10.00			66	61	63	84	6	02	30.07	30.15	
10	0	NC	0958	8	330	440	7.00			85	76	79	75	7	14	30.13	30.21	10	2	NC	0957	7	210	300		10.00			76	61	67	60	6	08	30.05	30.14	
13	6	90	1257	6	150	440	10.00	R		88	76	79	68	8	13	30.11	30.19	13	1	NC					10.00			79	60	67	52	6	13	30.02	30.10		
16		NC	1557	3	240	440	10.00			91	73	78	56	13	14	30.07	30.14	16	1	NC	1557	6	230	330		10.00			77	62	68	60	6	16	29.98	30.06	
19		NC					10.00			84	75	78	75	7	15	30.05	30.14	19	0	NC					10.00			75	62	67	64	6	15	29.95	30.04		
22		NC	2157	0	NT	NT	10.00			80	72	75	77	7	22	30.08	30.16	22	0	NC					10.00			71	66	68	84	7	16	29.95	30.04		
SUNRISE: 0504 AUG 04 SUNSET: 1913																																					
01	0	NC	0057	0	NT	NT	10.00			77	71	73	82	5	18	30.07	30.14	01	9	60					10.00			70	66	68	87	0	00	29.95	30.03		
04	0	NC	0357	0	NT	NT	10.00			74	72	73	94	6	20	30.05	30.12	04	10	45					10.00			70	66	68	87	0	00	29.95	30.03		
07	0	NC					10.00			79	75	76	88	9	21	30.05	30.12	07	3	NC					10.00			72	64	67	76	5	20	29.95	30.03		
10	0	NC					10.00			89	73	78	59	12	23	30.02	30.10	10	10	46					10.00			76	68	71	76	8	16	29.95	30.04		
13		100					10.00			92	70	77	49	12	26	29.95	30.04	13	0	NC					10.00			81	65	71	58	9	18	29.93	30.01		
16		NC					10.00			95	69	77	43	13	23	29.89	29.97	16	0	NC					10.00			82	63	70	53	12	14	29.91	29.98		
19		NC					10.00			89	71	77	55	8	21	29.88	29.96	19	0	NC					10.00			78	67	71	69	9	16	29.89	29.98		
22		39					1.50	TR		78	59	66	52	16	25	29.91	29.98	22	0	NC	2158	0	NT	NT		10.00			75	70	72	85	7	13	29.91	29.98	
SUNRISE: 0505 AUG 05 SUNSET: 1912																																					
01	0	NC					10.00			75	47	59	37	7	28	29.86	29.95	01	0	NC	0057	0	NT	NT		10.00			72	70	71	94	0	00	29.89	29.97	
04	0	NC					7.00			76	37	56	24	5	25	29.86	29.93	04	0	NC	0357	0	NT	NT		10.00			70	68	69	93	0	00	29.89	29.96	
07	0	NC					4.00	F		77	73	74	88	5	28	29.86	29.94	07	2	NC	0657	0	NT	NT		7.00			76	71	73	85	3	02	29.91	29.99	
10	0	NC					7.00			84	73	76	70	5	29	29.84	29.93	10	0	NC	0957	2	150	380		10.00			83	69	74	63	3	11	29.89	29.98	
13		NC					7.00			88	72	77	59	6	19	29.80	29.87	13	1	NC	1258	0	NT	NT		10.00			88	67	74	50	9	14	29.88	29.95	
16		85					7.00	T		88	71	76	57	10	24	29.75	29.84	16	0	NC					10.00			84	70	74	63	9	14	29.80	29.88		
19		NC					10.00			79	71	74	77	7	29	29.77	29.85	19	5	NC					10.00			79	72	74	79	8	15	29.80	29.89		
22		80					10.00			78	72	74	82	5	29	29.79	29.86	22	2	NC	2157	1	150	380		10.00			76	73	74	91	5	16	29.82	29.91	
SUNRISE: 0506 AUG 06 SUNSET: 1911																																					
01	3	NC					7.00	R						0	00	29.75		01	0	NC					10.00			73	71	72	94	0	00	29.80	29.88		
04	7	70					4.00	R						3	18	29.75		04	3	NC	8	0357	1	150	440		10.00			70	69	69	97	5	29	29.77	29.85
07	10	9					.50	RF		72	71	71	97	0	00	29.79	29.86	07	0	NC					10.00			73	68	70	84	6	28	29.79	29.86		
10	10	11					2.50	RF		73	72	72	97	7	08	29.75	29.82	10	0	NC					10.00			84	70	74	63	7	30	29.79	29.86		
13	10	30					10.00			75	71	72	87	3	07	29.75		13	0	NC					10.00			90	72	77	56	8	24	29.73	29.81		
16	10	12					10.00			71	68	69	90	12	04	29.80		16	0	NC					7.00			87	75	78	68	9					

OBSERVATIONS AT 3-HOURLY INTERVALS

AUGUST 1995
WILMINGTON, DE

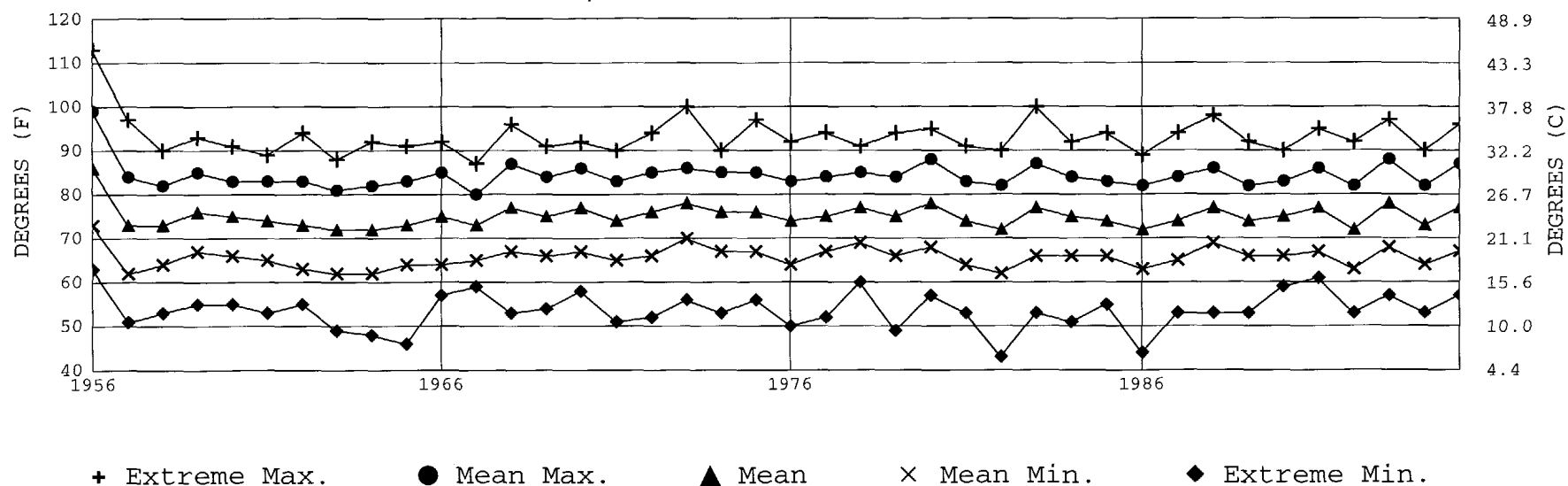
WBAN # 13781

HOUR (LST)	< 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	< 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	LOWEST CLOUD TOP	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
01	0	NC	SUNRISE: 0512				4.00	F	76	73	74	91	7	30	29.73	29.82	01	0	NC	SUNRISE: 0518				10.00		73	60	65	64	7	08	29.93	30.02
04	0	NC	0357	0	NT	NT	4.00	F	73	71	72	94	7	32	29.77	29.84	04	1	NC	0357	0	NT	NT	10.00		72	55	62	55	9	06	29.95	30.02
07	0	NC	0657	0	NT	NT	4.00	H	78	71	73	79	6	34	29.82	29.90	07	0	NC	0657	0	NT	NT	10.00		72	55	62	55	16	05	30.00	30.09
10	0	NC	0957	0	NT	NT	10.00		83	64	71	53	9	35	29.84	29.91	10	0	NC	0957	0	NT	NT	10.00		76	55	64	48	12	05	30.02	30.10
13	NC	1257	0	NT	NT	NT	10.00		90	62	72	39	7	33	29.82	29.90	13	0	NC	1257	0	NT	NT	10.00		83	53	65	36	12	06	29.98	30.05
16	NC	1558	0	NT	NT	NT	10.00		87	63	71	45	7	27	29.79	29.87	16	0	NC	1557	0	NT	NT	10.00		83	47	62	29	9	07	29.95	30.03
19	NC						10.00		83	64	71	53	0	00	29.80	29.88	19	0	NC				10.00		77	53	63	43	6	12	29.95	30.04	
22	NC						10.00		77	67	71	71	3	34	29.82	29.91	22	0	NC				10.00		69	56	61	63	7	09	30.02	30.10	
01	NC		SUNRISE: 0513				10.00		73	66	69	79	0	00	29.84	29.92	01	0	NC	SUNRISE: 0519				10.00		67	57	61	70	3	06	30.02	30.10
04	NC						10.00		71	67	68	87	0	00	29.84	29.92	04	NC					10.00		59	56	57	90	6	35	30.00	30.08	
07	NC	0657	2	200	380		7.00		74	68	70	82	0	00	29.86	29.93	07	NC					10.00		64	57	60	78	7	36	30.02	30.09	
10	5	NC	0957	8	150	300	5.00	RF	76	73	74	91	3	10	29.89	29.97	10	NC					10.00		74	54	62	50	6	02	30.02	30.10	
13	0	NC	1257	4	130	300	10.00		82	72	75	72	9	17	29.86	29.93	13	NC					10.00		82	45	61	27	5	14	29.95	30.03	
16	1	NC	1557	0	NT	NT	10.00		85	73	77	67	13	16	29.82	29.90	16	0	NC				10.00		85	43	62	23	0	00	29.89	29.98	
19	1	NC					10.00		78	68	71	72	9	14	29.84	29.92	19	0	NC				10.00		76	48	60	37	5	21	29.88	29.96	
22	7	65					10.00		77	68	71	74	6	12	29.89	29.97	22	0	NC				10.00		69	65	67	87	5	17	29.89	29.97	
01	4	NC	SUNRISE: 0514				10.00		74	68	70	82	6	17	29.88	29.95	01	0	NC	SUNRISE: 0520				10.00		63	59	61	87	3	26	29.88	29.96
04	4	50	0357	6	180	380	10.00		72	68	69	87	3	34	29.89	29.97	04	0	NC	0357	0	NT	NT	10.00		62	57	59	84	3	27	29.86	29.95
07	10	26	0657	9	150	380	10.00		74	70	71	87	6	09	29.93	30.01	07	0	NC	0657	0	NT	NT	10.00		67	59	62	76	3	24	29.89	29.97
10	1	NC	0957	5	130	260	10.00		77	72	74	85	3	10	29.93	30.02	10	0	NC				10.00		81	62	69	53	7	22	29.88	29.96	
13	2	NC	1257	1	130	230	10.00		83	68	73	61	5	11	29.93	30.00	13	0	NC				10.00		89	64	72	44	10	21	29.84	29.92	
16	0	NC	1557	0	NT	NT	10.00		85	69	74	59	7	10	29.86	29.95	16	0	NC				7.00		89	69	75	52	13	21	29.80	29.88	
19	0	NC					10.00		83	71	75	67	3	36	29.86	29.94	19	0	NC				7.00		83	69	74	63	8	22	29.80	29.89	
22	0	NC					10.00		78	68	71	72	7	09	29.89	29.97	22	2	NC				10.00		79	67	71	67	9	23	29.84	29.91	
01	0	NC	SUNRISE: 0515				10.00		74	64	68	71	6	03	29.88	29.95	01	1	NC	SUNRISE: 0521				7.00		76	71	73	85	6	24	29.84	29.92
04	10	5	0357	0	NT	NT	10.00		71	70	70	97	7	04	29.88	29.95	04	0	NC				7.00		69	63	65	81	7	29	29.86	29.93	
07	4	7	0657	0	NT	NT	10.00		72	68	69	87	8	03	29.89	29.98	07	0	NC				10.00		73	60	65	64	7	31	29.91	29.99	
10	0	NC	0957	0	NT	NT	10.00		83	73	76	72	12	09	29.86	29.95	10	0	NC	0957	0	NT	NT	10.00		82	57	67	43	12	30	29.93	30.01
13	2	NC	1257	0	NT	NT	10.00		88	72	77	59	10	05	29.84	29.91	13	0	NC				10.00		85	55	67	36	14	34	29.91	29.98	
16	0	NC	1558	0	NT	NT	10.00		90	71	77	54	13	06	29.80	29.88	16	3	70				10.00		85	56	67	37	10	31	29.91	29.99	
19	0	NC					10.00		86	72	76	63	8	06	29.77	29.86	19	1	NC				10.00		77	56	64	48	6	33	29.95	30.04	
22	0	NC	2158	0	NT	NT	10.00		82	72	75	72	7	07	29.80	29.88	22	0	NC				10.00		72	52	61	50	10	02	30.02	30.10	
01	0	NC	SUNRISE: 0516				5.00	F	78	75	76	91	8	01	29.77	29.85	01	0	NC	SUNRISE: 0522				10.00		65	52	58	63	8	01	30.05	30.14
04	7	13	0357	0	NT	NT	7.00		76	74	75	94	9	01	29.75	29.84	04	0	NC				10.00		58	53	55	84	8	32	30.05	30.13	
07	5	NC	0657	0	NT	NT	5.00		79	74	76	85	13	02	29.77	29.85	07	0	NC				10.00		65	53	58	65	8	34	30.08	30.17	
10	1	NC	0957	0	NT	NT	7.00		85	73	77	67	16	04	29.77	29.85	10	0	NC	0957	0	NT	NT	10.00		78	53	63	42	10	36	30.10	30.19
13	6	48	1257	0	NT	NT	10.00		89	72	77	57	15	02	29.75	29.82	13	0	NC	1257	0	NT	NT	10.00		79	53	64	41	7	30	30.05	30.14
16	5	NC					10.00		91	71	77	52	13	02	29.70	29.79	16	0	NC				10.00		80	56	65	44	3	18	30.00	30.08	
19	1	NC					10.00		86	72	76	63	8	06	29.73	29.82	19	0	NC				10.00		74	56	63	54	7	22	30.00	30.08	
22	0	NC	2157	1	130	380	7.00		79	72	74	79	6	36	29.77	29.84	22	0	NC	2157	0	NT	NT	10.00		69	55	61	61	6	24	30.00	30.09
01	0	NC	SUNRISE: 0517				10.00		72	64	67	76	8	34	29.77	29.85	01	0	NC	SUNRISE: 0523				10.00		64	57	60	78	5	25	29.95	30.04
04	0	NC	0357	0	NT	NT	10.00		77	62	68	60	9	36	29.82	29.89	04	0	NC	0357	0	NT	NT	10.00		61	58	59	90	5	22	29.91	30.00
07	0	NC	0657	0	NT	NT	10.00		77	62	68	60	9	36	29.82	29.89	07	0	NC	0657	0	NT	NT	7.00		67	63	65	87	7	26	29.95	30.03
10	0	NC	0957	0	NT	NT	10.00		88	64	72	45	12	36	29.84	29.91	10	0	NC	0957	0	NT	NT	10.00		84	60	69					

AUGUST 1995 WBAN # 13781
WILMINGTON, DE

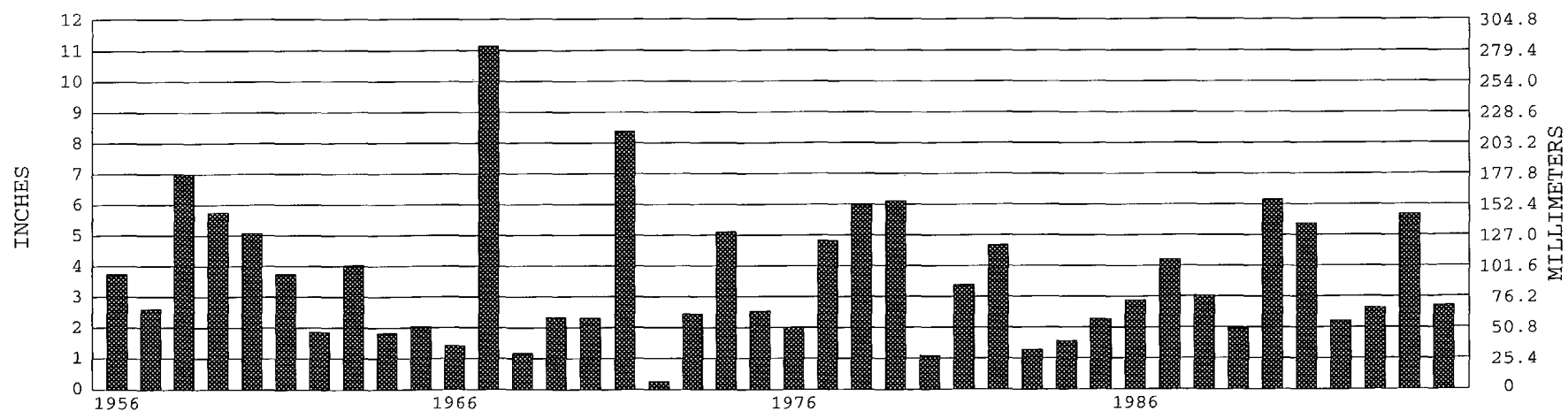
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WILMINGTON, DE AUGUST TEMPERATURES



Long-Term (1956-1995) Mean: 75.1 1961-1990 Normal: 75.0

WILMINGTON, DE AUGUST PRECIPITATION



Long-Term (1956-1995) Mean Monthly Total: 3.62

1961-1990 Normal: 3.40

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