

MAY 1995
WILMINGTON, DE
GREATER WILMINGTON AIRPORT

LOCAL CLIMATOLOGICAL DATA

published by: National Climatic Data Center



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	SR-SS		MN-MN		
																			5-SEC		2-MIN				CEILOMETER TENTHS	SATELLITE TENTHS	CEILOMETER TENTHS	SATELLITE TENTHS	
																			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	58	46	52	-5	45	48	13	0		0		0.0	0.00	29.83	29.92	4.2	2	7.7	22	01	20	01							
02	51	44	48*	-10	45	46	17	0	RF	0		0.0	0.48	29.74	29.83	7.4	4	9.4	24	02	22	02							
03	70	43	57	-1	43	50	8	0	F	0		0.0	0.00	29.89	29.98	7.8	29	8.9	21	28	18	27							
04	71	47	59	1	48	53	6	0	RF	0		0.0	0.02	29.98	30.06	4.5	23	5.8	18	25	15	25							
05	69	50	60	1	49	53	5	0	RPH	0		0.0	0.02	29.80	29.88	6.6	32	8.1	23	32	18	35							
06	69	49	59	0	43	51	6	0		0		0.0	0.00	29.86	29.95	11.4	31	13.4	33	33	26	33							
07	71	39*	55	-4	38	47	10	0		0		0.0	0.00	29.96	30.04	7.6	32	10.0	29	32	24	30							
08	70	41	56	-4	30	44	9	0		0		0.0	0.00	30.01	30.10	10.9	34	11.5	29	32	23	33			0		0		
09	73	42	58	-2	44	50	7	0	RF	0		0.0	0.13	30.02	30.10	3.5	16	7.3	15	17	13	20							
10	57	51	54	-7	52	52	11	0	RF	0		0.0	0.68	29.80	29.88	7.7	6	9.1	17	21	16	36							
11	72	53	63	2	56	57	2	0	RF+H	0		0.0	0.04	29.61	29.69	3.4	12	5.3	16	16	14	16			8		8		
12	71	56	64	3	51	56	1	0	F+H	0		0.0	0.00	29.66	29.75	5.8	29	7.6	24	33	22	32							
13	75	50	63	1	51	56	2	0	FH	0		0.0	0.00	29.85	29.93	1.6	34	6.5	22	09	18	09							
14	58	51	55	-7	50	52	10	0	RF	0		0.0	0.29	29.91	29.99	6.4	11	6.8	17	10	13	10							
15	74	52	63	1	52	56	2	0	RPH	0		0.0	0.02	29.76	29.84	8.8	31	9.4	26	30	22	31							
16	77	46	62	0	45	54	3	0		0		0.0	0.00	29.84	29.92	6.3	23	7.4	22	22	17	22							
17	75	60	68	5	62	64	0	3	RF	0		0.0	0.16	29.62	29.70	7.0	20	8.1	21	20	18	20					5		
18	80	64	72	9	67	68	0	7	RPH	0		0.0	0.01	29.56	29.64	4.0	23	5.5	18	29	15	28							
19	73	51	62	-2	56	57	3	0	RF	0		0.0	0.54	29.53	29.62	4.4	33	8.5	22	25	18	34							
20	81	49	65	1	50	56	0	0		0		0.0	0.00	29.71	29.79	5.7	30	8.2	25	27	21	32							
21	81	53	67	3	54	59	0	2	RF	0		0.0	T	29.82	29.91	7.8	23	8.2	23	24	20	21					2		
22	76	55	66	1	47	55	0	1		0		0.0	0.00	30.01	30.09	7.1	30	7.7	25	32	22	32							
23	77	49	63	-2	51	57	2	0		0		0.0	0.00	30.14	30.22	6.1	15	7.7	22	16	17	14							
24	84	58	71	6	61	65	0	6		0		0.0	0.00	29.99	30.07	11.0	20	11.5	23	21	20	20							
25	87*	61	74*	9	66	68	0	9	TRFH	0		0.0	0.62	29.96	30.04	4.6	7	6.7	18	06	16	06			4		5		
26	67	59	63	-3	59	60	2	0	RPH	0		0.0	0.20	30.03	30.12	6.5	5	7.5	16	03	14	04							
27	77	54	66	0	56	59	0	1	FH	0		0.0	0.00	30.15	30.23	4.4	13	6.4	22	16	20	15							
28	68	56	62	-4	54	57	3	0	RF	0		0.0	0.28	30.20	30.29	7.7	13	8.5	20	17	16	13							
29	82	62	72	5	66	68	0	7	RF	0		0.0	T	29.87	29.95	12.3	21	13.1	29	22	23	23							
30	74	57	66	-1	55	59	0	1		0		0.0	0.00	29.85	29.94	11.2	30	11.6	26	27	22	29			6		5		
31	86	54	70	2	56	61	0	5		0		-0.0	0.00	29.99	30.07	2.1	26	5.4	14	22	11	21							
72.7 51.7 62.2 -.3 51.7 56.1 <----- MONTHLY AVERAGES ----->										29.87	29.95	1.8	28	8.3	<- MONTHLY AVERAGES ->														
DEPARTURE										TOTAL SNOWFALL: 0.0				TOTAL PRECIPITATION: 3.50				SUNSHINE TOTALS:				PERCENT POSSIBLE:							
- .2 - .5 MONTHLY DEGREE DAYS										PRECIP. DEPARTURE: -.34				DATE 10				TOTAL POSSIBLE:											
TOTAL DEPARTURE										GREATEST 24-HR PRECIPITATION: 0.68								WIND				SPEED				DIRECTION			
HEATING: 122 .0										GREATEST 24-HR SNOWFALL: 0.0								MAXIMUM 5-SECOND : 33				33				6			
COOLING: 42 -2										GREATEST SNOW DEPTH: 0								MAXIMUM 2-MINUTE : 26				33				6			
NUMBER OF DAYS WITH -->										MAXIMUM TEMP ≥ 90 : 0				MINIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.01 INCH : 14				9				<-- NUMBER OF DAYS WITH			
SKY CONDITIONS										MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 9				0							
CLEAR PARTLY CLOUDY CLOUDY										THUNDERSTORMS : 1				HEAVY FOG : 2				SNOWFALL ≥ 1.0 INCH : 0											

MAY 1995
WILMINGTON, DE

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 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					0.02	0.03	0.06	0.05	0.10	0.09	0.05	0.04	02	0.01	T	T	T				T	0.01			02	
03													03												03	
04													04												04	
05	0.01	T			0.01		T	T	T				05				T				T	T	T	0.02	05	
06													06												06	
07													07												07	
08													08												08	
09													09												09	
10	0.11	0.03	0.08	0.02	0.10	0.19	0.01	0.01	0.01				10								T	0.03	0.02	0.07	10	
11	0.01	0.01	0.01	T			0.01						11												11	
12													12												12	
13													13												13	
14													14												14	
15	0.01										0.02	0.01	15	0.03	0.03	0.09	0.06	0.01				0.01	0.01	0.02	15	
16													16												16	
17													17	0.01	0.01	T	0.01								17	
18													18		T	0.01									18	
19		0.12	0.14	0.05	0.02	T	T	0.01					19	T	T	0.02	0.01								19	
20													20												20	
21													21						T	T					21	
22													22												22	
23													23												23	
24													24												24	
25													25				T		T	0.29	0.12	0.15	0.02	T	25	
26	0.01	0.04	0.14	0.01									26												26	
27													27												27	
28													28			T	0.06	0.03	0.05	0.08	0.04	T	0.01	T	28	
29		T	T		T		T		T	T			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

MAY 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	RELATIVE HUMIDITY (PCT)		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	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
01		18					7.00			47	47	47	100	12	35	29.80	29.88	01	0	NC					10.00			49	38	44	66	3	32	29.98	30.06
04		10					10.00			46	46	46	100	12	36	29.80	29.89	04	0	NC					10.00			41	39	40	93	5	28	30.00	30.07
07		55					10.00			47	45	46	93	12	36	29.84	29.93	07		NC					10.00			51	40	46	66	7	26	30.02	30.11
10		27					10.00			54	43	49	67	10	02	29.86	29.94	10		NC					10.00			61	38	50	43	14	29	30.00	30.09
13		45					10.00			56	42	49	60	5	08	29.86	29.95	13		NC					10.00			66	39	52	37	15	31	29.93	30.02
16	7	70					10.00			58	42	50	56	6	16	29.82	29.91	16		NC					10.00			70	38	54	31	14	28	29.88	29.96
19	8	65					10.00			55	44	50	67	0	00	29.84	29.93	19		NC					10.00			63	40	52	43	7	32	29.88	29.96
22	0	NC					10.00			51	51	51	100	6	13	29.84	29.92	22		NC					10.00			58	36	48	44	12	01	29.95	30.03
SUNRISE: 0504 MAY 01 SUNSET: 1856																																			
01	1	NC					7.00			50	49	50	96	5	19	29.82	29.90	01		NC					10.00			49	23	39	36	12	36	30.00	30.09
04		11					7.00			50	49	50	96	6	13	29.75	29.84	04	0	NC					10.00			43	25	36	49	8	34	30.02	30.10
07		39					4.00	RF		47	46	47	96	8	07	29.71	29.79	07	0	NC					10.00			50	25	40	38	14	34	30.02	30.11
10		16					5.00	RF		46	45	46	96	10	06	29.75	29.83	10	0	NC					10.00			58	26	44	29	18	34	30.02	30.10
13		48					10.00			48	45	47	89	15	05	29.70	29.78	13	0	NC					10.00			64	31	49	29	14	34	29.98	30.07
16		20					10.00			46	41	44	83	16	03	29.70	29.79	16	0	NC					10.00			69	34	52	28	12	36	29.98	30.06
19	10	23					10.00			46	42	44	86	15	02	29.75	29.83	19	0	NC					10.00			61	36	49	40	9	36	30.00	30.08
22	10	65					10.00			45	44	45	96	6	33	29.77	29.86	22	0	NC					10.00			54	38	47	55	6	31	30.07	30.14
SUNRISE: 0503 MAY 02 SUNSET: 1857																																			
01	5	NC					7.00			45	44	45	96	7	30	29.79	29.87	01		NC					10.00			49	39	44	69	6	35	30.07	30.14
04	5	NC					10.00			44	41	43	89	9	31	29.82	29.91	04		NC					10.00			42	37	40	83	6	30	30.04	30.12
07		NC					10.00			50	42	46	74	8	32	29.88	29.96	07		NC					10.00			54	42	48	64	6	35	30.08	30.17
10		NC					10.00			64	42	53	45	10	31	29.93	30.01	10		NC					10.00			62	41	52	46	6	10	30.07	30.16
13		NC					10.00			69	43	55	39	12	32	29.89	29.98	13		NC					10.00			67	42	54	40	9	19	30.04	30.12
16		85					10.00			68	41	54	38	8	30	29.89	29.97	16	0	NC					10.00			70	36	53	29	6	14	29.98	30.05
19		NC					10.00			62	43	52	50	6	22	29.93	30.01	19	7	55					10.00			62	52	57	70	10	15	29.96	30.05
22		NC					10.00			56	49	52	78	9	24	29.96	30.05	22	10	55					5.00	RF	56	56	56	100	7	18	29.98	30.06	
SUNRISE: 0501 MAY 03 SUNSET: 1858																																			
01		NC					10.00			51	51	51	100	8	25	29.98	30.06	01	10	65					10.00			52				8	11	29.91	30.00
04		NC					10.00			48	47	48	96	5	31	30.00	30.09	04		10					10.00			51	51	51	100	8	12	29.86	29.94
07		NC					10.00			52	48	50	86	5	25	30.04	30.12	07		7					10.00			51	51	51	100	10	07	29.84	29.93
10		NC					10.00			63	49	56	61	0	00	30.04	30.12	10		5					10.00			53	52	53	96	7	05	29.82	29.90
13	0	NC					10.00			71	46	57	41	13	20	29.98	30.07	13		5					10.00			56	53	54	90	8	05	29.79	29.86
16	7	NC					10.00			65	44	54	47	9	22	29.95	30.03	16		7					10.00			56	52	54	87	10	04	29.75	29.83
19	9	100					10.00			62	48	55	60	3	22	29.95	30.03	19		5					10.00			53	52	53	96	10	05	29.73	29.80
22	10	50					10.00	R		58	53	55	84	3	18	29.93	30.01	22		3					10.00			53	51	52	93	9	04	29.75	29.83
SUNRISE: 0500 MAY 04 SUNSET: 1859																																			
01		NC					10.00			51	51	51	100	8	25	29.98	30.06	01	10	65					10.00			52				8	11	29.91	30.00
04		NC					10.00			48	47	48	96	5	31	30.00	30.09	04		10					10.00			51	51	51	100	8	12	29.86	29.94
07		NC					10.00			52	48	50	86	5	25	30.04	30.12	07		7					10.00			51	51	51	100	10	07	29.84	29.93
10		NC					10.00			63	49	56	61	0	00	30.04	30.12	10		5					10.00			53	52	53	96	7	05	29.82	29.90
13	0	NC					10.00			71	46	57	41	13	20	29.98	30.07	13		5					10.00			56	53	54	90	8	05	29.79	29.86
16	7	NC					10.00			65	44	54	47	9	22	29.95	30.03	16		7					10.00			56	52	54	87	10	04	29.75	29.83
19	9	100					10.00			62	48	55	60	3	22	29.95	30.03	19		5					10.00			53	52	53	96	10	05	29.73	29.80
22	10	50					10.00	R		58	53	55	84	3	18	29.93	30.01	22		3					10.00			53	51	52	93	9	04	29.75	29.83
SUNRISE: 0459 MAY 05 SUNSET: 1900																																			
01	10	44					5.00	RF		54	54	54	100	7	19	29.89	29.97	01		3					4.00	RF	53	52	53	96	9	06	29.64	29.72	
04	10	38					4.00	F		54	54	54	100	0	00	29.82	29.91	04		3					2.50	F	53	53	53	100	5	08	29.61	29.69	
07		29					1.75	F		55	55	55	100	0	00	29.82	29.91	07	10	1					.50	F	54	54	54	100	3	07	29.64	29.72	
10		28					5.00	H		59	54	56	84	8	33	29.82	29.90	10	10	5					3.50	F	59	55	57	87	5	09	29.64	29.72	
13		40					10.00			66	49	57	55	13	31	29.77	29.85	13		17					7.00		67	56	61	68	6	15	29.61	29.69	
16	8	110					10.00			67	46	56	47	15	33	29.75	29.82	16	7	100					7.00		67	59	62	76	6	15	29.57	29.65	
19	0	NC					10.00			59	45	52	60	9	30	29.77	29.84	19		1	NC				7.00		67	59	62	76	5	17	29.59	29.67	
22	3	NC					10.00			57	45	51	64	12	31	29.80	29.88	22	10	90					7.00		60	58	59	93	9	13	29.61	29.70	
SUNRISE: 0458 MAY 06 SUNSET: 1900																																			
01	0	NC					10.00			52	44	48	74	10	30	29.80	2																		

OBSERVATIONS AT 3-HOURLY INTERVALS

MAY 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					10.00		56	49	52	78	7	27	29.73	29.82	01	7	11					3.00	F	67	66	66	97	10	36	29.52	29.60
04		NC					7.00		50	47	49	90	7	32	29.77	29.85	04		70				5.00	RF	59	58	58	97	8	03	29.48	29.57	
07		NC					7.00		63	50	56	63	0	00	29.82	29.91	07		2				1.00	F	61	61	61	100	7	02	29.48	29.55	
10		NC					10.00		71	51	60	49	6	02	29.84	29.93	10		17				10.00		70	64	66	81	16	25	29.45	29.53	
13		55					10.00		73	52	61	48	6	29	29.82	29.91	13		12				7.00	R	59	56	57	90	13	33	29.48	29.56	
16		NC					10.00		73	54	62	52	8	35	29.84	29.93	16		NC				10.00		59	54	56	84	10	36	29.54	29.62	
19		NC					10.00		69	53	60	57	0	00	29.89	29.97	19		0	NC			10.00		60	48	54	65	6	33	29.61	29.69	
22	0	NC					10.00		58	50	54	75	15	09	29.98	30.07	22	0	NC				10.00		53	48	50	83	6	25	29.66	29.73	
SUNRISE: 0449 MAY 14 SUNSET: 1908																																	
01	0	NC					10.00		54	48	51	80	6	11	30.00	30.09	01	0	NC				10.00		50	48	49	93	3	26	29.68	29.76	
04	1	NC					10.00		52	48	50	86	7	11	30.00	30.09	04	1	NC				10.00		49	48	49	96	3	26	29.66	29.75	
07	6	100					10.00		54	48	51	80	7	10	30.00	30.08	07		NC				10.00		57	49	53	75	7	27	29.70	29.78	
10		55					10.00		58	47	52	67	6	14	29.98	30.05	10		NC				10.00		71	46	57	41	17	30	29.71	29.79	
13		42					7.00	R	55	50	52	83	10	13	29.89	29.97	13		NC				10.00		75	48	60	39	16	32	29.70	29.79	
16	10	.7					3.50	RF	52	52	52	100	7	09	29.88	29.96	16		NC				10.00		77	48	61	36	12	32	29.70	29.78	
19	10	5					2.50	F	53	53	53	100	6	10	29.82	29.91	19		NC				10.00		73	52	61	48	5	18	29.73	29.80	
22	10	3					2.00	F	54	54	54	100	8	13	29.80	29.88	22	0	NC				10.00		65	59	62	81	7	15	29.77	29.85	
SUNRISE: 0449 MAY 15 SUNSET: 1909																																	
01	10	7					3.00	F	55	54	55	97	0	00	29.79	29.86	01	5	100				10.00		61	53	57	75	3	17	29.79	29.87	
04		2					4.00	F	55	55	55	100	5	29	29.75	29.83	04	3	NC				10.00		56	53	54	90	0	00	29.80	29.88	
07		10					5.00	F	58	55	56	90	8	31	29.77	29.84	07		NC				10.00		62	57	59	84	3	22	29.84	29.92	
10		31					10.00		69	55	61	61	14	32	29.73	29.82	10		NC				10.00		76	54	63	47	12	21	29.84	29.92	
13		65					10.00		71	51	60	49	18	30	29.75	29.83	13	0	NC				10.00		79	53	64	41	13	22	29.82	29.90	
16		NC					10.00		73	49	60	43	20	30	29.73	29.81	16	0	NC				10.00		79	53	64	41	16	24	29.80	29.88	
19	0	NC					10.00		67	46	56	47	8	30	29.75	29.82	19	0	NC				10.00		71	55	62	57	8	27	29.82	29.90	
22	0	NC					10.00		53	48	50	83	6	29	29.79	29.87	22	2	NC				10.00		69	54	60	59	12	25	29.86	29.94	
SUNRISE: 0448 MAY 16 SUNSET: 1910																																	
01	0	NC					10.00		54	44	49	69	5	30	29.84	29.91	01		NC				10.00		61	53	57	75	5	29	29.88	29.96	
04	0	NC					10.00		48	42	45	80	5	26	29.86	29.95	04		NC				10.00		56	52	54	87	8	29	29.91	29.98	
07		NC					10.00		57	46	51	67	3	32	29.89	29.98	07		NC				10.00		64	50	56	61	7	33	30.00	30.08	
10		NC					10.00		72	45	57	38	7	21	29.89	29.97	10		NC				10.00		71	44	57	38	13	32	30.02	30.10	
13		NC					10.00		74	44	58	34	8	26	29.84	29.93	13		NC				10.00		74	46	59	37	15	33	30.02	30.10	
16		NC					10.00		76	48	60	37	10	22	29.80	29.87	16		NC				10.00		74	45	58	36	13	34	30.02	30.11	
19		NC					10.00		71	49	59	46	10	21	29.79	29.86	19	0	NC				10.00		67	47	56	49	5	32	30.07	30.15	
22	0	NC					10.00		63	47	55	56	8	21	29.80	29.88	22	0	NC				10.00		59	49	54	70	0	00	30.10	30.19	
SUNRISE: 0447 MAY 17 SUNSET: 1911																																	
01	1	NC					10.00		62	47	54	58	7	21	29.77	29.85	01	0	NC				10.00		58	49	53	72	5	06	30.11	30.19	
04	4	NC					10.00		61	53	57	75	5	14	29.70	29.79	04		NC				10.00		50	47	49	90	3	34	30.14	30.23	
07		120					10.00		63	59	61	87	5	17	29.70	29.78	07		NC				10.00		64	50	56	61	0	00	30.21	30.30	
10		21					5.00	RF	66	63	64	90	12	21	29.66	29.75	10		NC				10.00		72	50	60	46	10	17	30.21	30.30	
13		9					4.00	RF	68	67	67	97	12	19	29.59	29.66	13		NC				10.00		76	52	62	43	10	15	30.14	30.23	
16	10	14					2.00	RF	71	69	70	93	7	21	29.55	29.62	16		NC				10.00		74	52	61	46	14	16	30.11	30.19	
19	4	85					4.00	F	72	69	70	90	8	24	29.52	29.61	19		NC				10.00		70	57	62	64	8	14	30.09	30.18	
22	0	NC					2.00	F	69	68	68	97	6	23	29.59	29.67	22	0	NC				10.00		66	53	59	63	8	18	30.10	30.19	
SUNRISE: 0446 MAY 18 SUNSET: 1911																																	
01		NC					2.50	F	66	66	66	100	3	21	29.59	29.67	01	0	NC				10.00		62	48	55	60	5	19	30.07	30.15	
04		90					2.50	F	66	66	66	100	0	00	29.57	29.65	04	0	NC				10.00		60	52	56	75	8	18	30.05	30.14	
07		100					2.50	F	68	66	67	93	7	23	29.59	29.68	07	0	NC				10.00		67	55	60	66	9	20	30.07	30.15	
10		NC					7.00	R	73	68	70	84	8	27	29.59	29.67	10		NC				10.00		77	62	68	60	15	20	30.02	30.10	
13		NC					10.00		80	67	71	65	10	25	29.57	29.65	13		NC				10.00		82	66	72	59	14	21	29.98	30.06	
16	0	NC					7.00		77	68	71	74	5	31	29.52	29.61	16	0	NC				10.00		84	66	72	55	16	21	29.93	30.01	
19	0	NC					3.50	F	73	70	71	90	6	20	29.54	29.62	19	0	NC				10.00		79	66	71	65	14	19	29.89	29.98	
22	1	NC					2.50	F	69	68	68	97	0	00	29.52	29.60	22	0	NC				10.00		74	65	68	74	12	20	29.93	30.01	

OBSERVATIONS AT 3-HOURLY INTERVALS

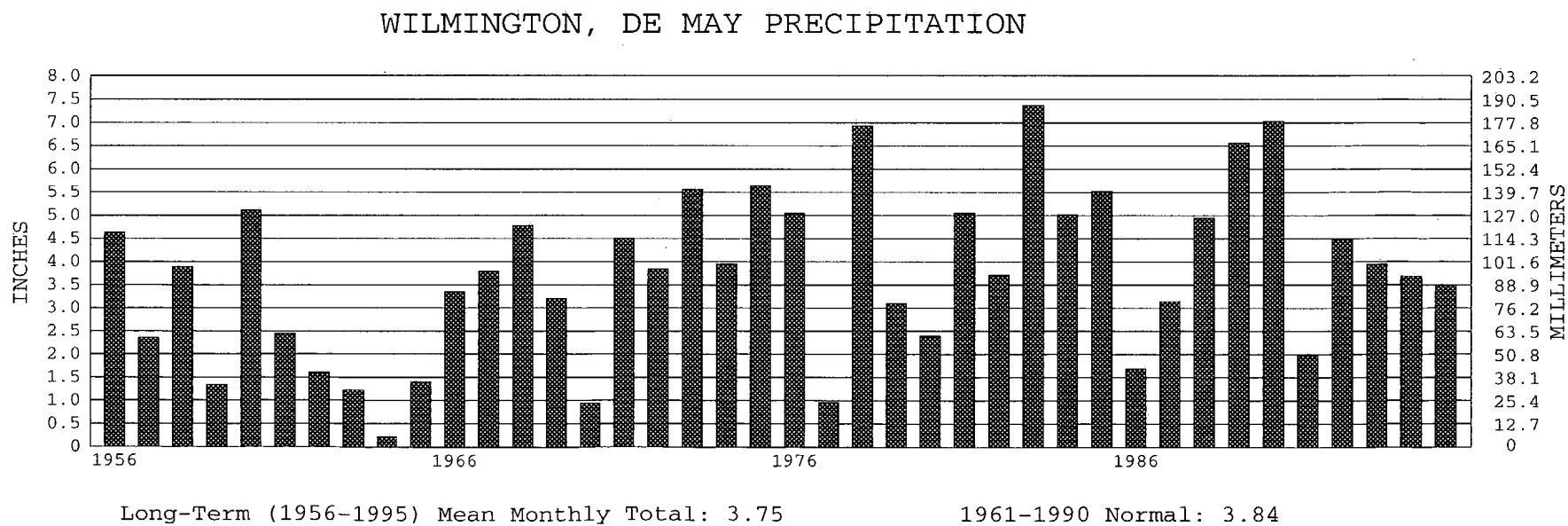
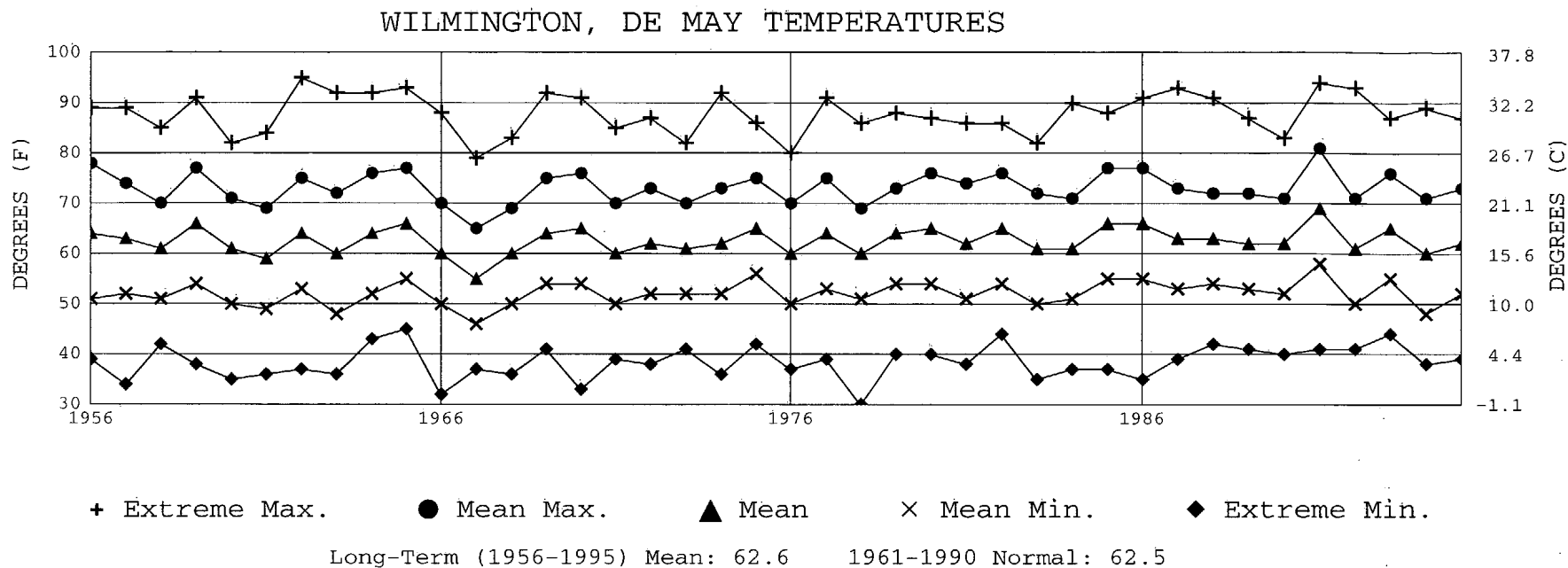
MAY 1995

WBAN #

13781

WILMINGTON, DE

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	100'S OF FT	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	100'S OF FT	LOWEST CLOUD TOP	HIGHEST CLOUD TOP	DRY BULB			DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SUNRISE: 0441 MAY 25 SUNSET: 1918																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	7	80						10.00		72	65	68	79	5	20	29.95	30.03		01	0	NC						10.00		55	53	54	93	7	29	29.93	30.02																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
04	0	NC						7.00		69	66	67	90	3	16	29.91	29.99		04	0	NC						10.00		55	53	54	93	8	30	29.95	30.03																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
07	0	NC						4.00	H	74	67	70	79	3	35	29.96	30.04		07	0	NC						10.00		65	56	60	73	7	32	30.00	30.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
10	0	NC						10.00		81	66	71	60	8	07	29.96	30.04		10	0	NC						10.00		75	58	65	56	0	00	30.02	30.10																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
13	7	42						10.00		82	66	72	59	6	10	29.96	30.04		13	0	NC						10.00		80	52	64	38	0	00	30.00	30.08																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
16	5	NC						7.00		79	68	72	69	10	05	29.95	30.02		16	0	NC						10.00		81	55	65	41	8	17	29.98	30.06																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
19	10	27						7.00	R	71	69	70	93	9	11	29.98	30.06		19	0	NC						10.00		76	57	65	52	6	23	29.98	30.07																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
22	10	55						5.00	RF	61	61	61	100	9	08	30.02	30.09		22	0	NC						10.00		69	61	64	76	6	15	30.02	30.11																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SUNRISE: 0440 MAY 26 SUNSET: 1918																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	10	4						5.00	RF	61	61	61	100	6	36	30.00	30.09		HOURLY SUMMARY NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
04	10	4						7.00		60	60	60	100	7	03	30.00	30.07		CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
07	10	4						1.25	F	59	59	59	100	8	02	30.02	30.11		FOR CLOUDS AT OR BELOW 12,000 FEET.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
10		8						5.00	F	62	60	61	93	8	03	30.04	30.12		CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
13		14						5.00	H	66	60	62	81	13	03	30.04	30.11		SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
16		16						5.00	H	67	60	63	78	9	05	30.02	30.11		NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
19		21						7.00		64	59	61	84	5	07	30.05	30.14		NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
22		21						10.00		62	57	59	84	5	13	30.09	30.18		SEE PAGE 3 FOR ADDITIONAL NOTES.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
SUNRISE: 0440 MAY 27 SUNSET: 1919																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	NC							10.00		58	55	56	90	0	00	30.09	30.18		SUMMARY BY HOURS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
04	NC							10.00		56	56	56	100	0	00	30.10	30.18		AVERAGES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
07	80							3.50	F	61	58	59	90	5	01	30.14	30.23		RESULTANT WIND (MPH)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
10	30							10.00		71	58	63	64	12	08	30.15	30.24		CEILOMETER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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