LOCAL CLIMATOLOGICAL DATA

APRIL 1995
WILMINGTON, DE
GREATER WILMINGTON AIRPORT

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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 MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	SIGNIFICANT WEATHER	SNOW/ICE ON GND (IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 0700 LST SNOW-FALL	WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	5-SEC DIR	2-MIN SPEED	2-MIN DIR	SUNSHINE TOTAL MINUTES	PERCENT POSSIBLE	CLOUDINESS SR-SS CEILOMETER TENTHS	SR-SS SATELLITE TENTHS	MN-MN CEILOMETER TENTHS	MN-MN SATELLITE TENTHS
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	51	29	40	-8	22	34	25	0		0		0.0	0.00	29.88	29.96	8.0	30	8.7	24	30	16	29			2		2	
02	49	33	41	-7	26	35	24	0	R	0		0.0	0.01	29.95	30.03	2.7	29	4.6	17	31	14	32			8		7	
03	56	28	42	-6	30	38	23	0	H	0		0.0	0.00	30.02	30.11	5.8	16	8.1	23	16	21	16			0		0	
04	68	30	49	0	31	42	16	0	R	0		0.0	T	29.66	29.74	14.3	28	19.5	45	32	39	32			5		4	
05	43	24*	34*	-15	6	25	31	0		0		0.0	0.00	29.99	30.08	15.2	30	16.2	32	29	28	31			2		2	
06	51	32	42	-7	21	34	23	0		0		0.0	0.00	29.96	30.05	5.9	13	7.9	24	15	22	15			0			
07	63	36	50	1	29	41	15	0	H	0		0.0	0.00	29.83	29.91	7.8	33	9.4	23	30	21	31			1		1	
08	64	35	50	0	38	44	15	0	RF	0		0.0	0.11	29.83	29.91	3.5	8	7.1	22	16	18	16			2		3	
09	76	45	61	11	49	52	4	0	TRF+H	0		0.0	0.27	29.69	29.77	1.8	4	7.9	53	33	46	33			3		5	
10	51	39	45	-5	22	36	20	0	R	0		0.0	T	30.16	30.25	10.3	4	11.7	29	36	24	36						
11	58	43	51	0	34	43	14	0		0		0.0	0.00	30.32	30.41	6.6	11	8.2	17	16	14	13			10		10	
12	70	48	59	8	50	52	6	0	TRFH	0		0.0	0.74	30.03	30.11	3.9	13	8.3	37	32	31	32			7		8	
13	62	45	54	3	44	48	11	0	RF+	0		0.0	0.01	29.72	29.80	6.8	29	8.4	28	31	24	31			10		9	
14	54	37	46	-6	33	40	19	0	R	0		0.0	T	29.77	29.85	13.2	30	13.8	30	29	26	28			9		6	
15	59	37	48	-4	24	38	17	0		0		0.0	0.00	29.83	29.91	13.5	29	13.8	33	31	29	29			0		0	
16	66	34	50	-2	21	39	15	0		0		0.0	0.00	29.85	29.93	8.4	29	10.3	25	29	22	32			0			
17	60	39	50	-3	29	41	15	0	R	0		0.0	T	29.95	30.03	4.0	13	7.3	18	18	16	17			2		3	
18	64	40	52	-1	41	47	13	0	R	0		0.0	T	29.95	30.03	5.6	15	6.0	18	16	15	16			0		1	
19	84*	53	69*	16	56	60	0	4	H	0		0.0	0.00	29.69	29.78	6.1	20	9.6	21	22	18	22			5		4	
20	71	51	61	8	44	52	4	0	R	0		0.0	T	29.89	29.98	2.0	34	5.8	17	01	16	01			1		2	
21	66	54	60	6	53	55	5	0	RFH	0		0.0	0.03	29.77	29.86	5.0	12	6.2	18	16	15	16			7		6	
22	78	50	64	10	49	54	1	0	TRF+	0		0.0	T	29.75	29.83	9.8	29	12.9	39	32	32	33					4	
23	59	41	50	-5	33	43	15	0	R	0		0.0	T	29.89	29.97	7.5	29	8.8	28	32	21	31			0		2	
24	53	44	49	-6	42	45	16	0	RF	0		0.0	0.29	29.68	29.76	3.0	6	6.7	18	04	15	03			10		10	
25	66	43	55	0	36	46	10	0		0		0.0	0.00	29.83	29.91	5.2	27	8.2	22	25	18	25			0		1	
26	66	43	55	-1	38	47	10	0		0		0.0	0.00	30.06	30.14	7.2	30	8.6	26	30	22	31			0		0	
27	78	44	61	5	48	54	4	0	H	0		0.0	0.00	29.92	30.01	8.7	19	9.3	28	20	23	19			1		1	
28	68	48	58	2	43	51	7	0	RF	0		0.0	0.02	29.85	29.93	11.0	30	11.9	25	30	21	30			1		3	
29	70	41	56	-1	41	49	9	0		0		0.0	0.00	29.92	30.00	5.3	28	6.8	23	30	17	35			0		1	
30	55	47	51	-6	46	48	14	0	RF	0		0.0	0.62	29.86	29.94	10.0	4	10.7	24	03	20	02			9			
	62.6	40.4	51.5	-.7	35.9	44.4	<------- MONTHLY AVERAGES -------->							29.88	29.97	2.9	29	9.4	<- MONTHLY AVERAGES ->						3		4	

DEPARTURE 0.0 | -1.4

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	401	17	4437	-378
COOLING:	4	4	4	4

TOTAL SNOWFALL: 0.0 TOTAL PRECIPITATION: 2.10
PRECIP. DEPARTURE: -1.29

	TOTAL	DATE
GREATEST 24-HR PRECIPITATION:	0.72	12-13
GREATEST 24-HR SNOWFALL:	0.0	
GREATEST SNOW DEPTH:	0	

SUNSHINE TOTALS: PERCENT POSSIBLE: TOTAL POSSIBLE :

WIND	SPEED	DIRECTION	DATE
MAXIMUM 5-SECOND :	53	33	9
MAXIMUM 2-MINUTE :	46	33	9

NUMBER OF DAYS WITH —>

SKY CONDITIONS

CLEAR	PARTLY CLOUDY	CLOUDY

MAXIMUM TEMP ≥ 90 :	0	MINIMUM TEMP ≤ 32 :	5
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	3	HEAVY FOG :	3

PRECIPITATION ≥ 0.01 INCH :	9
PRECIPITATION ≥ 0.10 INCH :	5
SNOWFALL ≥ 1.0 INCH :	0

<— NUMBER OF DAYS WITH

APRIL 1995
WILMINGTON, DE

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

APRIL 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	T	0.01		T									02	
03													03													03	
04													04	T	T											04	
05													05													05	
06													06													06	
07													07													07	
08													08								T	0.01	0.03	0.05	0.01	08	* 0.10
09	0.03												09								0.10	0.10	0.02	0.01	0.02	09	* 0.28
10	T	T	T		T				T				10							T						10	
11													11													11	
12								T			T		12									0.23	0.26	0.08	0.14	12	* 0.71
13	T							0.01					13													13	
14													14		T											14	
15													15													15	
16													16													16	
17													17						T							17	
18													18						T							18	
19													19													19	
20													20						T	T			T			20	
21		T						T	0.03			T	21	T												21	
22													22	T	T											22	
23													23											T	T	23	
24	0.01	0.20	0.08	T									24													24	
25													25													25	
26													26													26	
27													27													27	
28		T	0.02										28													28	
29													29													29	
30							T	T	T	0.02	0.04	0.01	30	0.05	0.07	0.11	0.13	0.10	0.03	T					0.01	30	* 0.57

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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)	0.08	0.14	0.19	0.24	0.30	0.38	0.43	0.46	0.52	0.53	0.57	0.66
ENDED: DATE	12	12	12	12	12	12	12	12	12	12	12	12
ENDED: TIME	2052	2055	2102	2105	2108	2115	2124	2142	2208	2221	2252	2330

** 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				APPARENT		
110	99	105	112	123	137	150			TEMPERATURE		
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

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

APRIL 1995
WILMINGTON, DE
WBAN # 13781

HOUR (LST)	≤ 12K FEET: CEILOMETER TENTHS	≤ 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME (LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT: 100'S OF FT: LOWEST CLOUD TOP	SATELLITE > 12K FT: 100'S OF FT: HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0547								**APR 01**						**SUNSET: 1826**		
01	0	NC					10.00		36	22	31	57	10	30	29.89	29.97
04	0	NC					10.00		31	23	28	72	10	29	29.89	29.97
07	0	NC					10.00		36	25	32	64	9	32	29.91	30.00
10	1	NC					10.00		47	24	38	41	7	33	29.91	29.99
13	5	60					10.00		50	21	39	32	16	30	29.86	29.95
16	3	NC					10.00		47	20	37	34	13	29	29.82	29.91
19	0	NC					10.00		44	18	35	35	7	27	29.86	29.95
22	0	NC					10.00		42	19	34	40	5	32	29.89	29.97
SUNRISE: 0546								**APR 02**						**SUNSET: 1827**		
01	10	85					10.00		37	25	33	62	0	00	29.89	29.98
04	10	80					10.00		36	23	31	59	3	29	29.89	29.97
07	10	75					10.00		38	28	34	67	3	26	29.91	30.00
10	10	44					10.00		45	22	36	40	8	28	29.95	30.03
13	10	25					7.00	R	43	36	40	76	8	22	29.95	30.03
16	7	NC					10.00		48	30	40	50	8	29	29.93	30.01
19	0	NC					10.00		43	27	37	53	5	30	29.98	30.07
22	0	NC					10.00		36	24	32	62	3	28	30.05	30.13
SUNRISE: 0544								**APR 03**						**SUNSET: 1828**		
01	0	NC					10.00		32	22	29	67	6	30	30.05	30.14
04	0	NC					7.00		32	25	30	75	5	32	30.08	30.17
07	0	NC					4.00	H	34	28	32	79	0	00	30.13	30.22
10	0	NC					10.00		49	19	38	30	9	17	30.15	30.23
13	0	NC					10.00		55	32	45	42	9	17	30.07	30.16
16	0	NC					10.00		54	36	46	51	20	16	29.98	30.07
19	0	NC					10.00		50	39	45	66	9	15	29.91	30.00
22	0	NC					10.00		49	34	42	56	8	16	29.88	29.96
SUNRISE: 0543								**APR 04**						**SUNSET: 1829**		
01	0	NC					10.00		47	37	43	68	3	18	29.77	29.86
04	0	NC					10.00		52	37	45	57	10	21	29.66	29.75
07	9	100					10.00		55	39	47	55	14	22	29.62	29.70
10	5	NC					10.00		61	42	51	50	17	22	29.59	29.67
13	10	70					10.00	R	66	39	52	37	20	25	29.52	29.61
16	2	NC					10.00		63	33	49	33	30	29	29.52	29.61
19	0	NC					10.00		46	21	37	37	28	32	29.70	29.77
22		NC					10.00		36	12	28	37	25	31	29.84	29.92
SUNRISE: 0541								**APR 05**						**SUNSET: 1830**		
01		NC					10.00		29	4	22	34	18	33	29.93	30.00
04	0	NC					10.00		26	5	21	41	17	32	29.98	30.06
07	4	NC					10.00		27	8	22	45	8	35	30.05	30.14
10	2	NC					10.00		34	8	26	34	20	30	30.04	30.13
13	0	NC					10.00		38	5	28	25	17	27	30.00	30.08
16	0	NC					10.00		42	4	31	20	15	28	29.95	30.04
19	0	NC					10.00		38	6	29	26	10	28	30.02	30.10
22	0	NC					10.00		35	8	27	32	6	31	30.05	30.14
SUNRISE: 0539								**APR 06**						**SUNSET: 1831**		
01		110					10.00		33	15	27	48	6	34	30.07	30.15
04		85					10.00		34	9	27	35	7	06	30.07	30.16
07		NC					10.00		33	10	26	38	8	11	30.11	30.20
10	0	NC					10.00		39	13	31	34	5	07	30.07	30.16
13	0	NC					10.00		46	29	39	52	16	16	29.96	30.06
16	0	NC					10.00		50	29	41	45	14	16	29.86	29.95
19	0	NC					10.00		48	31	41	52	6	14	29.82	29.90
22	0	NC					10.00		48	31	41	52	3	07	29.82	29.89
SUNRISE: 0538								**APR 07**						**SUNSET: 1832**		
01	0	NC					10.00		45	31	39	58	0	00	29.77	29.86
04	0	NC					7.00		38	31	35	76	3	31	29.75	29.84
07	0	NC					5.00	H	44	31	39	60	5	26	29.80	29.88
10	0	NC					7.00		59	30	46	33	15	34	29.80	29.89
13	1	NC					10.00		61	29	47	30	14	32	29.82	29.89
16	0	NC					10.00		60	32	47	35	16	33	29.82	29.91
19	0	NC					10.00		53	27	42	37	15	36	29.86	29.95
22		NC					10.00		47	27	39	46	9	02	29.93	30.01
SUNRISE: 0536								**APR 08**						**SUNSET: 1833**		
01		NC					10.00		41	25	35	53	6	36	29.95	30.03
04	0	NC					10.00		36	28	33	73	0	00	29.93	30.01
07	1	NC					10.00		43	28	37	56	8	10	29.93	30.02
10	0	NC					10.00		51	35	44	55	3	05	29.91	29.99
13	0	NC					10.00		59	45	52	60	15	16	29.77	29.85
16	0	NC					10.00		63	45	54	52	3	11	29.70	29.79
19	5	NC					10.00		55	41	48	60	15	02	29.71	29.80
22	10	85					4.00	RF	48	46	47	93	9	06	29.75	29.84
SUNRISE: 0535								**APR 09**						**SUNSET: 1834**		
01	10	7					3.00	F	47	46	47	96	3	11	29.75	29.83
04	10	5					1.50	F	47	46	47	96	3	01	29.75	29.82
07	10	1					<.25	F	47	47	47	100	0	00	29.73	29.82
10	1	NC					3.50	H	55	50	52	83	5	11	29.73	29.80
13	2	NC					5.00	H	70	54	61	57	8	25	29.66	29.74
16	0	NC					10.00		74	52	61	46	6	15	29.57	29.65
19		120					10.00		71	52	60	51	10	15	29.52	29.59
22		7					10.00	R	51	50	51	96	16	01	29.79	29.87
SUNRISE: 0533								**APR 10**						**SUNSET: 1835**		
01		35					10.00		44	37	41	77	17	36	29.93	30.01
04	10	45					10.00		42	27	36	55	16	02	30.02	30.10
07	4	110					10.00		40	23	34	51	13	02	30.13	30.22
10	9	65					10.00		44	19	35	37	15	06	30.20	30.29
13		110					10.00		49	20	38	32	8	05	30.20	30.28
16		65					10.00		50	22	39	33	9	01	30.21	30.30
19		60					10.00		48	29	40	48	10	07	30.22	30.31
22		50					10.00		46	14	35	27	8	09	30.26	30.35
SUNRISE: 0532								**APR 11**						**SUNSET: 1836**		
01		55					10.00		44	20	35	38	8	09	30.28	30.37
04	10	50					10.00		43	30	38	60	3	06	30.29	30.37
07	10	48					10.00		47	30	40	52	5	07	30.35	30.44
10	10	44					10.00		51	31	42	47	9	10	30.35	30.44
13	10	44					10.00		57	38	48	49	9	11	30.33	30.42
16	10	44					10.00		56	39	48	53	13	17	30.30	30.39
19	10	42					10.00		53	37	46	55	9	13	30.33	30.42
22	10	38					10.00		50	39	45	66	10	10	30.32	30.41
SUNRISE: 0530								**APR 12**						**SUNSET: 1837**		
01	10	36					10.00		48	40	44	74	7	10	30.23	30.32
04	10	13					10.00		48	43	46	83	5	06	30.19	30.28
07	10	9					7.00		49	45	47	86	6	06	30.19	30.28
10	10	5					3.00	H	53	48	50	83	6	08	30.15	30.24
13	10	14					7.00		62	54	58	75	9	15	30.05	30.12
16	0	NC					10.00		67	59	62	76	14	16	29.91	30.00
19		110					10.00		61	55	58	81	12	16	29.80	29.89
22		43					5.00	RF	54	52	53	93	12	31	29.84	29.93

OBSERVATIONS AT 3-HOURLY INTERVALS

APRIL 1995 WBAN # 13781
WILMINGTON, DE

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	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0529					**APR 13**				**SUNSET: 1838**				
01		NC					7.00		51	50	51	96	5	18	29.80	29.89
04	10	1					.50	F	50	50	50	100	5	19	29.77	29.85
07	10	1					.25	F	50	50	50	100	3	23	29.75	29.83
10	10	7					10.00		56	52	54	87	3	28	29.73	29.81
13		30					7.00		60	48	54	65	7	33	29.68	29.76
16	10	45					10.00		56	43	50	62	13	32	29.62	29.71
19	10	50					10.00		50	34	43	54	17	31	29.70	29.78
22	10	100					10.00		47	34	41	61	7	29	29.73	29.81
			SUNRISE: 0527					**APR 14**				**SUNSET: 1839**				
01	0	NC					10.00		43	33	39	68	9	29	29.73	29.80
04	2	NC					10.00		39	33	37	79	8	29	29.71	29.80
07	10	65					10.00		43	34	39	71	14	30	29.75	29.83
10	10	39					10.00		49	35	43	59	17	30	29.75	29.83
13	9	45					10.00		52	35	44	53	16	31	29.75	29.82
16	10	80					10.00		52	33	44	49	21	28	29.75	29.84
19	10	90					10.00		49	30	41	48	17	31	29.80	29.89
22	3	NC					10.00		44	30	38	58	9	28	29.86	29.94
			SUNRISE: 0526					**APR 15**				**SUNSET: 1840**				
01	0	NC					10.00		39	28	35	65	12	30	29.86	29.94
04	0	NC					10.00		37	28	34	70	12	29	29.86	29.94
07	0	NC					10.00		41	27	36	58	10	27	29.89	29.98
10	2	NC					10.00		49	25	39	39	17	31	29.86	29.95
13	0	NC					10.00		53	23	41	31	17	29	29.80	29.88
16	0	NC					10.00		59	20	43	22	20	30	29.75	29.83
19	0	NC					10.00		54	20	41	26	9	28	29.79	29.86
22	0	NC					10.00		47	21	37	36	7	27	29.84	29.91
			SUNRISE: 0524					**APR 16**				**SUNSET: 1841**				
01	0	NC					10.00		40	20	33	45	6	26	29.86	29.94
04	0	NC					10.00		37	19	31	48	6	26	29.86	29.95
07	0	NC					10.00		44	22	36	42	9	29	29.91	29.98
10	0	NC					10.00		53	23	41	31	14	28	29.89	29.96
13	0	NC					10.00		64	22	46	20	18	29	29.82	29.91
16	0	NC					10.00		66	21	47	18	15	31	29.77	29.86
19		NC					10.00		60	20	44	21	5	22	29.82	29.90
22		NC					10.00		51	26	41	38	9	01	29.88	29.96
			SUNRISE: 0523					**APR 17**				**SUNSET: 1842**				
01		NC					10.00		51	13	37	22	15	03	29.93	30.01
04	0	NC					10.00		44	18	35	35	7	03	29.93	30.02
07	0	NC					10.00		47	22	37	37	3	11	30.00	30.09
10	0	NC					10.00		53	25	42	34	6	14	30.00	30.08
13	5	200					10.00		55	28	43	36	7	14	29.96	30.04
16	5	NC					10.00		56	35	46	45	10	16	29.93	30.01
19	6	110					10.00		51	38	45	61	9	16	29.93	30.01
22	10	110					10.00		51	40	46	66	6	14	29.95	30.04
			SUNRISE: 0521					**APR 18**				**SUNSET: 1843**				
01	5	95					10.00		48	36	43	63	0	00	29.95	30.03
04	0	NC					10.00		44	37	41	77	0	00	29.95	30.04
07	0	NC					10.00		47	41	44	80	3	01	30.00	30.08
10	0	NC					10.00		61	41	51	48	5	19	30.00	30.09
13	0	NC					10.00		62	41	52	46	7	14	29.98	30.07
16	0	140					10.00		59	40	50	50	12	17	29.95	30.03
19	0	NC					10.00		54	42	48	64	10	15	29.89	29.97
22		50					10.00		53	46	50	77	10	15	29.93	30.01

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	100'S OF FT HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
			SUNRISE: 0520					**APR 19**				**SUNSET: 1844**				
01		18					10.00		54	48	51	80	12	14	29.84	29.93
04		20					10.00		55	51	53	87	9	17	29.77	29.85
07	10	14					7.00		57	54	55	90	7	17	29.73	29.82
10	10	16					5.00	H	67	61	63	81	16	19	29.70	29.78
13	1	NC					7.00		77	63	68	62	10	22	29.64	29.72
16	0	NC					10.00		83	60	68	46	15	22	29.59	29.67
19	0	NC					7.00		73	59	65	62	5	17	29.61	29.69
22	0	NC					10.00		67	49	57	53	7	33	29.70	29.78
			SUNRISE: 0518					**APR 20**				**SUNSET: 1845**				
01	0	NC					10.00		61	44	52	54	10	36	29.75	29.84
04	0	NC					10.00		55	41	48	60	7	29	29.82	29.90
07	0	NC					10.00		57	41	49	55	13	02	29.89	29.98
10	0	NC					10.00		62	42	52	48	0	00	29.93	30.01
13	0	NC					10.00		66	44	55	45	6	08	29.93	30.01
16	0	NC					10.00		70	45	57	41	7	28	29.91	30.00
19	7	120					10.00		65	46	55	50	0	00	29.91	29.99
22	10	100					10.00		56	46	51	69	8	16	29.93	30.02
			SUNRISE: 0517					**APR 21**				**SUNSET: 1846**				
01	10	110					10.00		56	45	50	67	9	15	29.91	30.00
04	10	70					10.00		56	47	51	72	5	12	29.89	29.98
07	4	NC					10.00		58	50	54	75	7	09	29.89	29.98
10	10	31					10.00		58	49	53	72	12	10	29.80	29.89
13	10	21					10.00		61	52	56	72	10	16	29.73	29.80
16	5	NC					7.00		63	58	60	84	7	16	29.66	29.74
19	0	NC					5.00	H	64	59	61	84	6	06	29.66	29.74
22	0	NC					4.00	F	59	57	58	93	6	06	29.70	29.78
			SUNRISE: 0516					**APR 22**				**SUNSET: 1847**				
01	0	NC					1.75	F	53	52	53	96	6	34	29.70	29.78
04	10	1					.25	F	53	53	53	100	5	32	29.73	29.82
07	10	1					<.25	F	54	54	54	100	6	19	29.75	29.84
10		NC					10.00		74	57	64	56	14	21	29.70	29.79
13		80					10.00	R	76	52	62	43	21	28	29.68	29.76
16	1	NC					10.00		71	48	58	44	26	29	29.68	29.76
19	0	NC					10.00		59	42	51	54	28	32	29.77	29.84
22	0	NC					10.00		52	39	46	61	14	31	29.86	29.95
			SUNRISE: 0514					**APR 23**				**SUNSET: 1848**				
01	3	NC					10.00		48	36	43	63	14	31	29.89	29.98
04	0	NC					10.00		42	31	38	65	7	28	29.93	30.02
07	0	NC					10.00		47	32	41	56	9	29	30.00	30.08
10	0	NC					10.00		54	34	45	47	15	31	29.98	30.05
13	0	NC					10.00		58	32	46	38	12	28	29.89	29.98
16	0	NC					10.00		58	32	46	38	7	28	29.84	29.93
19	0	NC					10.00		56	30	45	37	0	00	29.80	29.89
22	9	100					10.00		52	37	45	57	5	22	29.80	29.88
			SUNRISE: 0513					**APR 24**				**SUNSET: 1849**				
01	10	41					10.00	R	48	42	45	80	7	30	29.80	29.89
04	10	60					10.00		45	43	44	93	5	09	29.73	29.81
07	10	13					10.00		46	42	44	86	12	07	29.70	29.78
10	10	19					10.00		48	41	45	77	10	05	29.68	29.77
13	10	26					10.00		52	40	46	64	9	08	29.66	29.75
16	10	60					10.00		52	41	47	66	3	13	29.61	29.69
19	10	70					10.00		50	44	47	80	5	22	29.64	29.72
22	10	90					10.00		50	44	47	80	5	29	29.66	29.75

OBSERVATIONS AT 3-HOURLY INTERVALS

APRIL 1995 WILMINGTON, DE WBAN # 13781

HOUR (LST)	≤ 12K FEET: CEILOMETER TENTHS	≤ 12K FEET: CEILING 100'S OF FT	SATELLITE > 12K FT: OBSERVATION TIME(LST)	SATELLITE > 12K FT: EFF CLD AMT TENTHS	SATELLITE > 12K FT: 100'S OF FT: LOWEST CLOUD TOP	SATELLITE > 12K FT: 100'S OF FT: HIGHEST CLOUD TOP	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0512							**APR 25**				**SUNSET: 1850**					
01	6	110					7.00		49	43	46	80	8	29	29.66	29.75
04	0	NC					10.00		48	34	42	59	9	33	29.71	29.80
07	0	NC					10.00		50	31	42	48	12	33	29.82	29.90
10	0	NC					10.00		59	33	47	38	5	20	29.86	29.94
13	0	NC					10.00		65	35	51	33	8	30	29.84	29.93
16	0	NC					10.00		64	35	50	34	13	24	29.82	29.91
19	0	NC					10.00		59	36	48	42	9	21	29.88	29.96
22	0	NC					10.00		53	44	49	72	7	25	29.93	30.02
SUNRISE: 0510							**APR 26**				**SUNSET: 1851**					
01	0	NC					10.00		50	41	46	71	8	28	29.98	30.07
04	0	NC					10.00		44	37	41	77	9	29	30.02	30.10
07	0	NC					10.00		50	38	45	64	10	29	30.09	30.17
10	0	NC					10.00		56	35	46	45	16	32	30.11	30.19
13	0	NC					10.00		63	36	50	37	12	33	30.07	30.16
16	0	NC					10.00		65	36	51	34	8	31	30.02	30.11
19	0	NC					10.00		59	34	47	39	3	28	30.05	30.14
22	0	NC					10.00		54	50	52	86	3	14	30.07	30.15
SUNRISE: 0509							**APR 27**				**SUNSET: 1852**					
01	0	NC					10.00		46	45	46	96	0	00	30.05	30.14
04	0	NC					10.00		44	40	42	86	0	00	30.04	30.12
07	0	NC					10.00		55	47	51	75	7	16	30.02	30.11
10	0	NC					10.00		67	50	58	55	9	19	30.00	30.08
13	0	NC					10.00		76	50	61	40	14	19	29.89	29.98
16	3	NC					10.00		75	48	60	39	17	20	29.82	29.91
19	0	NC					10.00		69	49	58	49	13	18	29.82	29.89
22	0	NC					10.00		62	51	56	67	9	17	29.82	29.90
SUNRISE: 0508							**APR 28**				**SUNSET: 1853**					
01	9	90					10.00		60	56	58	87	5	21	29.79	29.87
04	10	90					7.00		58	56	57	93	5	26	29.79	29.86
07	0	NC					10.00		57	46	51	67	16	31	29.86	29.94
10	0	NC					10.00		61	42	51	50	13	29	29.86	29.95
13	1	NC					10.00		64	40	52	42	16	32	29.86	29.93
16	1	NC					10.00		65	39	52	39	20	29	29.82	29.91
19	0	NC					10.00		58	37	48	46	10	31	29.86	29.94
22	0	NC					10.00		52	37	45	57	9	30	29.91	29.99
SUNRISE: 0506							**APR 29**				**SUNSET: 1854**					
01	0	NC					10.00		48	37	43	66	6	25	29.91	30.00
04	0	NC					10.00		46	36	42	68	6	22	29.93	30.01
07	0	NC					10.00		50	42	46	74	3	30	29.96	30.05
10	0	NC					10.00		63	40	52	43	8	29	29.93	30.02
13	0	NC					10.00		66	39	52	37	14	32	29.93	30.01
16	0	NC					10.00		68	38	53	33	9	31	29.88	29.96
19	0	NC					10.00		63	37	50	38	0	00	29.89	29.97
22	0	NC					7.00		56	56	56	100	6	17	29.93	30.01
SUNRISE: 0505							**APR 30**				**SUNSET: 1855**					
01	5	NC					10.00		53	45	49	74	0	00	29.91	29.99
04	0	NC					10.00		49	44	47	83	6	36	29.91	29.99
07	10	70					10.00	R	54	43	49	67	8	03	29.93	30.01
10	10	55					5.00	R	52	47	50	83	10	06	29.89	29.98
13	10	27					1.50	RF	50	50	50	100	12	06	29.84	29.91
16	10	20					1.50	RF	48	48	48	100	15	03	29.82	29.90
19		10					7.00		48	48	48	100	17	03	29.80	29.88
22		10					10.00		48	48	48	100	13	01	29.80	29.89

HOURLY SUMMARY NOTES

CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL) FOR CLOUDS AT OR BELOW 12,000 FEET.
CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.
NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.
NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.
SEE PAGE 3 FOR ADDITIONAL NOTES.

SUMMARY BY HOURS

HOUR (LST)	AVERAGES: CEILOMETER	AVERAGES: EFF CLD AMT	AVERAGES: DRY BULB	AVERAGES: DEW POINT	AVERAGES: WET BULB	AVERAGES: RELATIVE HUMIDITY	AVERAGES: PRESSURE (INCHES,HG): STATION	AVERAGES: PRESSURE (INCHES,HG): SEA LEVEL	AVERAGES: VISIBILITY (MILES)	AVERAGES: WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01	4		46	35	41	67	29.89	29.98	9.29	7	3	32
02	4		45	34	41	68	29.89	29.98	8.82	6	2	32
03	4		44	34	40	70	29.90	29.98	8.83	6	2	31
04	4		44	34	40	71	29.90	29.98	8.78	6	3	31
05	4		43	34	40	72	29.90	29.99	8.71	6	2	31
06	5		44	34	40	72	29.92	30.00	8.39	6	2	32
07	4		47	42	35	67	29.93	30.01	8.45	8	2	33
08	4		49	35	43	61	29.93	30.01	8.60	10	4	33
09	4		52	35	45	55	29.92	30.01	9.28	10	4	33
10	4		54	36	46	52	29.92	30.00	9.12	10	3	29
11	4		57	36	47	49	29.90	29.99	9.18	11	2	27
12	4		58	37	48	48	29.89	29.97	9.27	11	4	27
13	3		59	38	49	48	29.87	29.95	9.15	12	4	27
14	3		60	38	50	47	29.85	29.94	9.35	12	5	25
15	3		60	37	50	46	29.84	29.92	9.35	14	5	27
16	3		60	37	49	46	29.83	29.91	9.62	13	6	27
17	2		60	37	49	46	29.83	29.91	9.70	13	5	27
18	2		57	37	48	49	29.83	29.92	9.73	12	3	29
19	2		55	36	47	52	29.84	29.93	9.63	10	2	31
20	3		53	36	46	56	29.87	29.95	9.38	10	3	31
21	3		51	37	45	61	29.89	29.97	9.19	9	2	30
22	3		50	37	44	64	29.89	29.97	9.33	8	2	33
23	4		48	36	43	66	29.89	29.98	9.27	8	3	32
24	4		47	35	42	67	29.90	29.98	9.22	7	3	32

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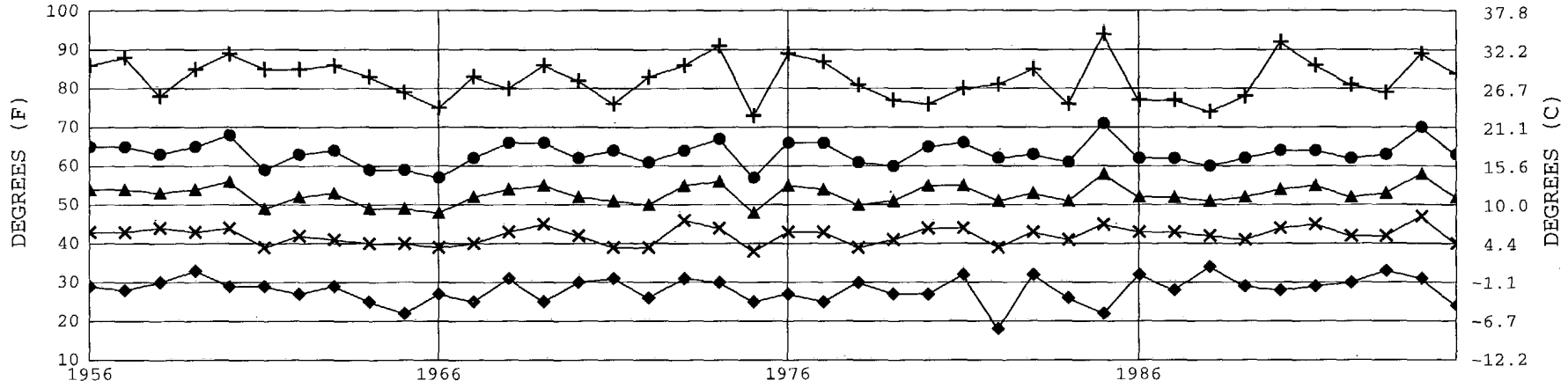
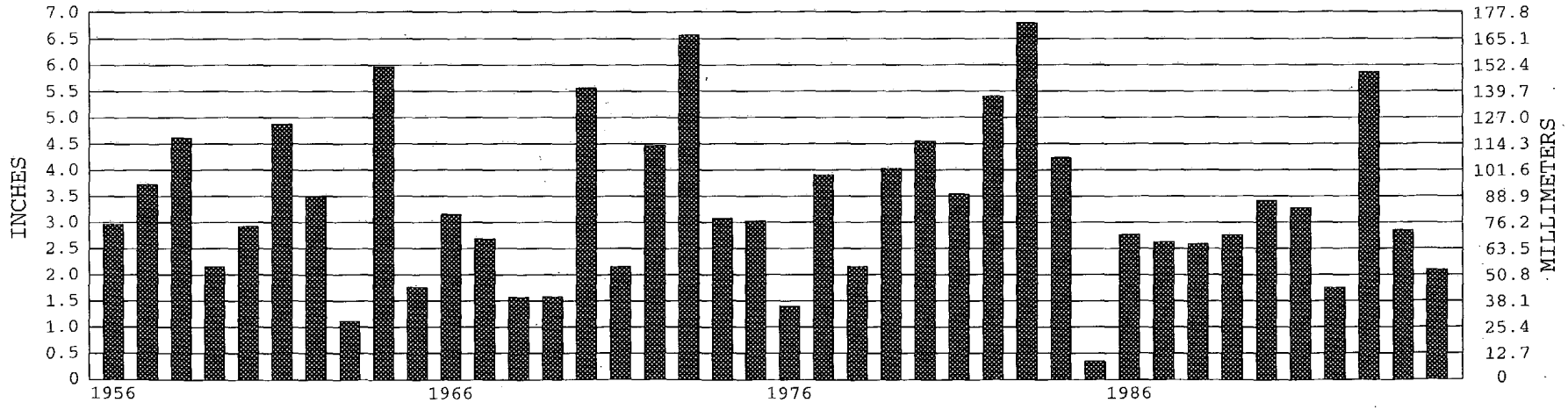
WILMINGTON, DE APRIL TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1956-1995) Mean: 52.7 1961-1990 Normal: 52.2

WILMINGTON, DE APRIL PRECIPITATION



Long-Term (1956-1995) Mean Monthly Total: 3.35 1961-1990 Normal: 3.39

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