



FEBRUARY 2004

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AIRPORT (ILG)
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 92 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

FEBRUARY 2004
WILMINGTON, DE

DATE	TEMPERATURE °F							DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE														
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	0700 LST		1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																				
																			5-SEC		2-MIN																		
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24																	
01	31	11	21*	-11	10	19	44	0			0.0	0.00	30.28	30.37	6.4	29	7.0	15	28	13	28	01																	
02	36	10*	23	-9	18	23	42	0			0.0	0.00			0.3	06	3.8	9	11	8	06	02																	
03	46	24	35	3	30	33	30	0	RA BR HZ		0.0	0.56	29.97	30.06	2.1	07	9.7	26	14	23	14	03																	
04	39	29	34	2	25	31	31	0			0.0	0.00	30.21	30.30	10.6	28	11.1	31	30	25	29	04																	
05	33	26	30	-2	18	26	35	0	SN		T	T	30.49	30.58	3.5	35	5.4	17	01	15	01	05																	
06	38	29	34	2	31	33	31	0	RA FZRA SN FG+ BR UP HZ		0.1	1.70	29.95	30.04	3.0	04	6.2	17	32	15	31	06																	
07	43	30	37	4			28	0	RA HZ		0.0	0.01	29.65	29.74	13.0	29	13.2	31	28	26	28	07																	
08	31	24	28	-5	11	23	37	0			0.0	0.00	30.30	30.38	10.6	29	12.0	26	29	22	29	08																	
09	43	19	31	-2	21	30	34	0			0.0	0.00	30.27	30.36	6.0	20	6.3	24	21	18	23	09																	
10	49	30	40	7	28	35	25	0	RA		0.0	T	29.95	30.04	4.3	26	5.4	22	25	17	26	10																	
11	39	27	33	0	19	29	32	0			0.0	0.00	30.07	30.16	9.4	29	9.7	24	29	22	28	11																	
12	38	26	32	-1	23	29	33	0			0.0	0.00	30.12	30.21	2.5	16	3.6	9	14	8	15	12																	
13	41	27	34	0	23	31	31	0	BR		0.0	0.00	29.99	30.07	8.4	27	9.2	28	28	22	28	13																	
14	46	29	38	4	17	30	27	0			0.0	0.00	29.89	29.97	6.9	27	7.7	25	27	20	27	14																	
15	34	20	27	-7	9	23	38	0			0.0	0.00	30.10	30.18	9.8	36	10.4	25	36	21	36	15																	
16	34	14	24	-10	0	18	41	0			0.0	0.00	30.44	30.53	6.2	34	7.0	21	01	17	01	16																	
17	38	18	28	-6	18	26	37	0			0.0	0.00	30.45	30.53	5.0	05	6.0	15	07	13	08	17																	
18	45	27	36	1	17	29	29	0			0.0	0.00	30.06	30.15	10.2	33	11.4	24	34	20	30	18																	
19	51	30	41	6	23	33	24	0			0.0	0.00	29.85	29.94	7.3	28	8.2	29	28	24	28	19																	
20	51	27	39	4	29	35	26	0	HZ		0.0	0.00	29.77	29.85	5.9	09	6.9	18	10	16	10	20																	
21	53	34	44	8	28	37	21	0	RA BR HZ		0.0	T	29.56	29.64	12.0	28	13.0	40*	28	31*	27	21																	
22	47	29	38	2	22	33	27	0			0.0	0.00	30.00	30.09	12.9	29	13.3	35	28	26	28	22																	
23	46	24	35	-1	19	31	30	0			0.0	0.00	30.14	30.23	2.7	30	5.1	14	01	10	13	23																	
24	43	30	37	1	28	33	28	0	RA SN BR UP		T	0.06	29.97	30.06	3.4	02	5.5	14	32	13	32	24																	
25	43	23	33	-4	10	26	32	0			0.0	0.00	30.09	30.17	10.9	34	11.2	26	35	20	32	25																	
26	42	23	33	-4	16	28	32	0			0.0	0.00	30.24	30.33	4.9	36	5.5	17	03	15	03	26																	
27	49	29	39	2	9	29	26	0			0.0	0.00	30.20	30.29	8.7	01	9.3	23	01	18	36	27																	
28	57	27	42	4	17	33	23	0			0.0	0.00	30.24	30.33	6.3	31	7.4	20	28	18	29	28																	
29	63*	27	45*	7	20	37	20	0			0.0	0.00	30.19	30.28	6.1	27	6.6	20	27	16	28	29																	
											43.1		24.9	34.0	■ ■	30.8		0.0	< MONTHLY AVERAGES		TOTALS->		0.1		2.33			4.6		31	8.2	<- MONTHLY AVERAGES							
											0.6		- .9	- .2	■ ■	<-----DEPARTURE FROM NORMAL----->													SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.71 DATE :06-07				SEA LEVEL PRESSURE				DATE				TIME																
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: 0.1 DATE :06				MAXIMUM				: 30.65				05 0951																
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH: 5 DATE :02+				MINIMUM				: 29.50				21 0351																
HEATING: 894 3 3830 125											NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 28				PRECIPITATION ≥ 0.01 INCH : 4																
COOLING: 0 0 0 0															MAXIMUM TEMP ≤ 32 : 2				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 2																
															THUNDERSTORMS : 0				HEAVY FOG : 1				SNOWFALL ≥ 1.0 INCH : 0																

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

FEBRUARY 2004

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01												01			0.00	
02													02												02	T		0.00	
03													03	0.08	0.15	T	0.03	T	0.01					03			0.56		
04											T	0.05	04											04			0.00		
05											0.05		05										T	05		T			
06	T	0.01	0.01	0.03	0.06	0.06	0.05	0.01	0.04	0.09	0.15	0.12	06	0.14	0.20	0.19	0.13	0.09	0.08	0.12	0.10	0.02	T	06		T	1.70		
07	0.01	T	T	T				T					07											07			0.01		
08													08											08			0.00		
09													09											09			0.00		
10											T		10											10			T		
11													11											11			0.00		
12													12											12			0.00		
13													13											13			0.00		
14													14											14			0.00		
15													15											15			0.00		
16													16											16			0.00		
17													17											17			0.00		
18													18											18			0.00		
19													19											19			0.00		
20													20											20			0.00		
21						T	T						21											21			T		
22													22											22			0.00		
23													23											23			0.00		
24													24				0.01	0.02	0.03	T				24			0.06		
25													25											25			0.00		
26													26											26			0.00		
27													27											27			0.00		
28													28											28			0.00		
29													29											29			0.00		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.04	.06	.09	.11	.15	.20	.23	.29	.36	.41	.49	.58
Ending Date	06	03	03	03	06	06	06	06	06	06	06	06
Ending Time (Hour/Min)	1241	1424	1426	1431	1308	1321	1337	1358	1418	1436	1508	1534

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

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' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971–2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WILMINGTON, DE FEBRUARY 2004

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

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. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) 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 = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

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 cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							9.00	10.00	
03							2.00	10.00	
04							9.00	10.00	
05							8.00	10.00	
06							.25	10.00	
07							.50	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							7.00	10.00	
13							2.50	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							7.00	10.00	
20							5.00	10.00	
21							4.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							2.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
MONTHLY AVGS							7.82	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 29									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 1 5 22									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 2004

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL			SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0711 FEB 01					SUNSET: 1722					SUNRISE: 0705 FEB 07					SUNSET: 1729														
01	CLR	NC	10.00		17	4	14	56	9	27	30.14	30.24	01	VV	001	0.50	HZ	36	14	29	40	5	30	29.54	29.63				
04	CLR	NC	10.00		14	4	12	64	7	27	30.20	30.29	04	OVC	029	5.00	HZ	36	17	30	46	0	00	29.49	29.58				
07	CLR	NC	10.00		12	5	10	73	6	24	30.25	30.34	07	OVC	024	10.00		38	21	32	51	10	28	29.56	29.65				
10	CLR	NC	10.00		22	10	19	60	10	32	30.29	30.38	10	OVC	037	10.00						16	29	29.61	29.70				
13	CLR	NC	10.00		29	14	24	54	10	29	30.29	30.38	13	OVC	046	10.00					20	29	29.63	29.72					
16	CLR	NC	10.00		31	15	26	52	10	30	30.29	30.38	16	SCT	NC	10.00		39	21	32	48	15	29	29.67	29.76				
19	CLR	NC	10.00		28	15	24	58	7	28	30.34	30.43	19	FEW	NC	10.00		35	17	29	48	15	28	29.74	29.83				
22	CLR	NC	10.00		22	13	19	68	6	30	30.37	30.46	22	CLR	NC	10.00		32	13	26	45	21	29	29.83	29.92				
SUNRISE: 0710 FEB 02					SUNSET: 1723					SUNRISE: 0704 FEB 08					SUNSET: 1730														
01	CLR	NC	10.00		20	14	18	78	3	29			01	FEW	NC	10.00		29	16	25	58	12	30	29.92	30.01				
04	CLR	NC	10.00		15	11	14	84	5	27			04	CLR	NC	10.00		27	15	23	61	15	31	30.03	30.12				
07	CLR	NC	10.00		11	9	10	92	6	36			07	CLR	NC	10.00		24	13	21	62	15	29	30.20	30.29				
10	CLR	NC	10.00		25	16	22	69	0	00	30.45	30.55	10	CLR	NC	10.00		25	6	20	44	15	30	30.34	30.43				
13	CLR	NC	10.00		33	20	29	59	0	00	30.41	30.50	13	CLR	NC	10.00		29	9	23	43	17	31	30.39	30.48				
16	CLR	NC	10.00		35	20	30	54	3	17	30.38	30.47	16	CLR	NC	10.00		31	8	24	38	16	27	30.39	30.48				
19	CLR	NC	10.00		32	22	29	66	5	14	30.35	30.44	19	CLR	NC	10.00		29	11	24	47	6	26	30.43	30.52				
22	CLR	NC	10.00		29	24	27	82	5	13	30.32	30.41	22	CLR	NC	10.00		26	12	22	55	6	18	30.46	30.55				
SUNRISE: 0709 FEB 03					SUNSET: 1724					SUNRISE: 0702 FEB 09					SUNSET: 1731														
01	CLR	NC	10.00		25	22	24	88	5	01	30.27	30.36	01	CLR	NC	10.00		24	15	21	68	3	23	30.44	30.53				
04	OVC	020	9.00		29	27	28	92	7	03	30.21	30.30	04	CLR	NC	10.00		23	14	20	68	3	18	30.40	30.49				
07	OVC	037	10.00		31	29	30	92	10	05	30.13	30.22	07	CLR	NC	10.00		24	16	22	71	0	00	30.38	30.47				
10	OVC	050	10.00	-RA	35	31	33	85	10	06	30.04	30.13	10	CLR	NC	10.00		34	22	30	61	7	19	30.35	30.44				
13	OVC	005	3.00	RA	40	31	36	70	14	07	29.83	29.92	13	CLR	NC	10.00		42	21	34	43	10	21	30.24	30.33				
16	OVC	005	2.00	HZ	42	32	38	68	13	17	29.72	29.81	16	CLR	NC	10.00		43	23	35	45	8	21	30.18	30.27				
19	FEW	NC	10.00		38	32	36	79	10	26	29.80	29.89	19	OVC	090	10.00		40	26	35	58	5	20	30.18	30.27				
22	CLR	NC	10.00		36	32	34	86	13	23	29.88	29.97	22	OVC	090	10.00		40	30	36	68	6	20	30.10	30.19				
SUNRISE: 0708 FEB 04					SUNSET: 1725					SUNRISE: 0701 FEB 10					SUNSET: 1732														
01	BKN	040	10.00		34	32	33	92	8	24	29.94	30.03	01	BKN	110	10.00		38	30	35	73	5	16	30.07	30.16				
04	FEW	NC	10.00		36	30	34	79	10	27	30.01	30.11	04	SCT	NC	10.00		35	30	33	82	3	21	30.02	30.11				
07	CLR	NC	10.00		34	26	31	73	9	28	30.09	30.18	07	CLR	NC	10.00		31	27	29	85	5	19	30.01	30.10				
10	OVC	035	10.00		37	27	33	67	14	30	30.20	30.29	10	CLR	NC	10.00		44	31	39	60	5	26	30.01	30.10				
13	CLR	NC	10.00		38	24	33	57	16	28	30.23	30.32	13	CLR	NC	10.00		48	27	39	44	12	23	29.94	30.03				
16	CLR	NC	10.00		38	23	32	55	12	29	30.26	30.35	16	CLR	NC	10.00		48	23	38	37	10	27	29.87	29.96				
19	CLR	NC	10.00		35	20	30	54	9	27	30.35	30.44	19	CLR	NC	10.00		43	24	36	47	3	20	29.86	29.95				
22	CLR	NC	10.00		30	20	27	66	8	28	30.40	30.49	22	OVC	065	10.00		37	27	33	67	3	27	29.86	29.95				
SUNRISE: 0707 FEB 05					SUNSET: 1726					SUNRISE: 0700 FEB 11					SUNSET: 1733														
01	CLR	NC	10.00		29	19	26	66	9	29	30.43	30.53	01	FEW	NC	10.00		35	28	32	76	8	30	29.89	29.98				
04	CLR	NC	10.00		27	18	24	69	7	28	30.45	30.54	04	CLR	NC	10.00		32	24	29	73	6	28	29.92	30.01				
07	CLR	NC	10.00		28	18	25	66	0	00	30.51	30.60	07	CLR	NC	10.00		32	17	27	54	13	30	30.01	30.10				
10	CLR	NC	10.00		30	15	25	54	10	01	30.56	30.65	10	CLR	NC	10.00		35	16	29	46	17	28	30.08	30.17				
13	CLR	NC	10.00		32	15	27	50	3	31	30.52	30.61	13	CLR	NC	10.00		38	17	31	43	16	29	30.08	30.17				
16	CLR	NC	10.00		33	18	28	54	6	31	30.51	30.60	16	CLR	NC	10.00		37	16	30	42	14	29	30.10	30.19				
19	OVC	090	10.00		32	19	28	59	5	06	30.47	30.56	19	CLR	NC	10.00		31	17	26	56	5	32	30.16	30.25				
22	OVC	030	10.00		32	19	28	59	3	12	30.46	30.55	22	CLR	NC	10.00		32	17	27	54	0	00	30.20	30.29				
SUNRISE: 0706 FEB 06					SUNSET: 1727					SUNRISE: 0659 FEB 12					SUNSET: 1735														
01	OVC	080	10.00	UP	31	22	28	69	7	04	30.37	30.46	01	CLR	NC	10.00		27	21	25	78	5	36	30.18	30.27				
04	OVC	032	7.00	-FZRA	30	27	29	88	7	08	30.27	30.36	04	CLR	NC	10.00		28	21	26	75	3	30	30.19	30.28				
07	OVC	006	5.00	-FZRA BR	32	31	32	96	8	05	30.16	30.25	07	CLR	NC	10.00		29	20	26	69	0	00	30.19	30.28				
10	OVC	004	1.75	FZRA BR	34	32	33	92	8	04	30.01	30.10	10	CLR	NC	10.00		33	22	29	64	0	00	30.18	30.27				
13	OVC	038	2.00	FZRA BR	35	32	34	89	8	09	29.89	29.98	13	CLR	NC	10.00		37	19	31	48	7	14	30.11	30.20				
16	OVC	004	0.25	-FZRA FG	36	36	36	100	0	00	29.81	29.90	16	CLR	NC	10.00		38	20	32	48	7	15	30.07	30.16				
19	OVC	020	1.00	RA BR	37	37	37	100	0	00	29.70	29.79	19	SCT	NC	10.00		34	27	31	76	3	15	30.05	30.14				
22	OVC	004	6.00	BR	36	35	36	97	3	30	29.61	29.70	22	BKN	095	9.00		32	28	31	85	6	17	30.03	30.12				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 2004

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0642				FEB 25				SUNSET: 1749				SUNRISE:				FEB 31				SUNSET:					
01	CLR	NC		10.00	29	19	26	66	14	32	29.99	30.08													
04	CLR	NC		10.00	26	7	21	44	12	33	29.99	30.08													
07	CLR	NC		10.00	24	10	20	55	7	32	30.03	30.12													
10	CLR	NC		10.00	33	11	26	40	15	34	30.08	30.17													
13	CLR	NC		10.00	39	8	29	28	21	33	30.08	30.17													
16	CLR	NC		10.00	43	8	32	24	14	33	30.09	30.18													
19	CLR	NC		10.00	37	12	29	36	9	33	30.13	30.22													
22	CLR	NC		10.00	32	8	25	36	6	36	30.17	30.27													
SUNRISE: 0641				FEB 26				SUNSET: 1751																	
01	CLR	NC		10.00	29	8	23	41	6	35	30.23	30.32													
04	CLR	NC		10.00	28	10	23	47	5	35	30.24	30.33													
07	CLR	NC		10.00	26	14	22	60	9	36	30.27	30.36													
10	CLR	NC		10.00	37	17	30	44	9	03	30.31	30.40													
13	CLR	NC		10.00	40	16	32	38	3	VR	30.25	30.34													
16	CLR	NC		10.00	42	18	34	38	7	01	30.23	30.32													
19	CLR	NC		10.00	37	17	30	44	6	01	30.21	30.30													
22	CLR	NC		10.00	34	20	29	56	5	32	30.20	30.29													
SUNRISE: 0639				FEB 27				SUNSET: 1752																	
01	CLR	NC		10.00	33	20	29	59	6	36	30.20	30.29													
04	CLR	NC		10.00	32	12	26	43	8	02	30.19	30.28													
07	CLR	NC		10.00	30	14	25	51	9	01	30.20	30.29													
10	CLR	NC		10.00	38	-1	27	19	15	02	30.23	30.32													
13	CLR	NC		10.00	43	2	31	18	8	36	30.19	30.28													
16	CLR	NC		10.00	48	9	35	20	8	35	30.16	30.25													
19	CLR	NC		10.00	43	12	33	28	0	00	30.18	30.27													
22	CLR	NC		10.00	38	12	30	34	9	34	30.21	30.30													
SUNRISE: 0638				FEB 28				SUNSET: 1753																	
01	CLR	NC		10.00	34	11	27	38	7	35	30.22	30.31													
04	CLR	NC		10.00	32	13	26	45	6	34	30.22	30.31													
07	CLR	NC		10.00	27	14	23	58	5	31	30.25	30.35													
10	CLR	NC		10.00	44	15	34	31	9	35	30.29	30.38													
13	CLR	NC		10.00	52	19	39	27	7	28	30.25	30.34													
16	CLR	NC		10.00	57	20	42	24	14	28	30.21	30.29													
19	CLR	NC		10.00	47	21	37	36	9	28	30.22	30.32													
22	CLR	NC		10.00	41	22	34	47	0	00	30.25	30.33													
SUNRISE: 0636				FEB 29				SUNSET: 1754																	
01	CLR	NC		10.00	36	20	30	52	5	26	30.24	30.33													
04	CLR	NC		10.00	30	21	27	69	3	26	30.22	30.31													
07	CLR	NC		10.00	30	24	28	79	0	00	30.23	30.32													
10	CLR	NC		10.00	52	21	40	30	10	25	30.22	30.31													
13	CLR	NC		10.00	62	17	44	17	9	28	30.17	30.26													
16	CLR	NC		10.00	63	16	44	16	12	26	30.13	30.22													
19	CLR	NC		10.00	54	19	40	25	7	27	30.16	30.25													
22	CLR	NC		10.00	50	19	38	29	5	22	30.16	30.25													
SUNRISE:				FEB 30				SUNSET:																	

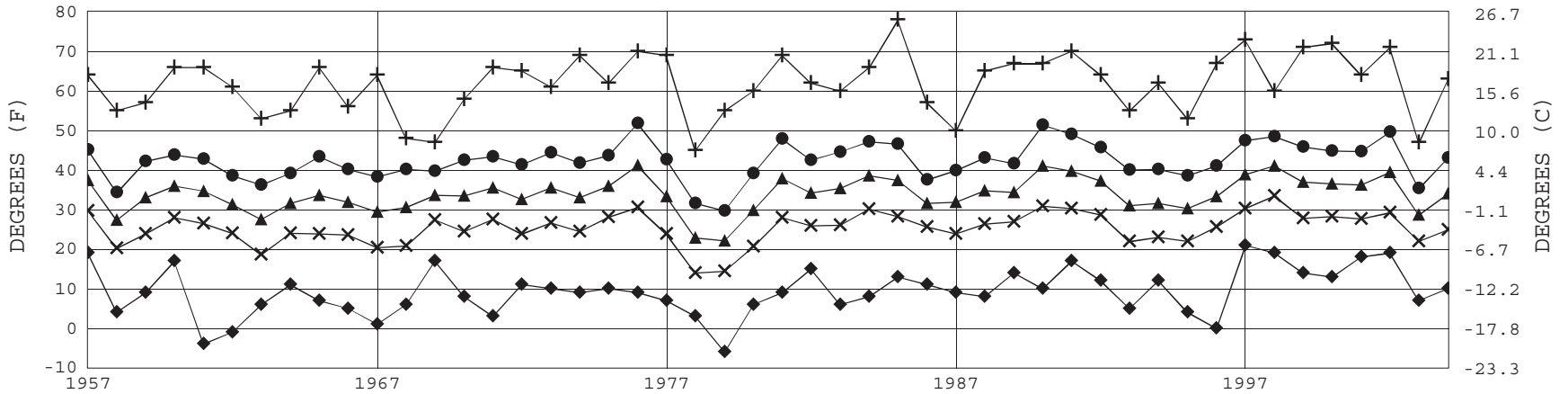
3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			30	19	27	66	30.08	30.17	9.26	6	4	31
02			30	19	26	66	30.08	30.17	9.05	6	4	31
03			30	19	26	66	30.08	30.17	9.24	7	5	31
04			29	19	26	68	30.07	30.16	9.28	6	4	31
05			29	19	25	68	30.08	30.17	9.09	6	4	32
06			28	19	25	70	30.09	30.18	9.62	6	4	32
07			28	19	25	70	30.10	30.19	9.59	6	4	31
08			30	19	27	67	30.13	30.22	9.33	7	4	32
09			33	19	28	59	30.13	30.22	9.41	9	5	32
10			36	18	30	51	30.14	30.23	9.54	11	6	33
11			38	18	31	47	30.13	30.22	9.35	13	8	31
12			40	18	32	44	30.12	30.21	9.52	12	7	31
13			41	18	33	42	30.09	30.18	9.48	12	7	30
14			42	18	34	41	30.07	30.16	9.47	11	7	30
15			42	19	34	42	30.06	30.15	9.42	12	6	30
16			42	19	33	43	30.06	30.15	9.15	11	7	29
17			40	19	33	45	30.07	30.16	9.41	10	7	30
18			38	19	31	50	30.07	30.16	9.40	8	5	29
19			37	20	31	53	30.08	30.17	9.40	7	4	29
20			36	20	31	55	30.08	30.17	9.64	7	2	28
21			35	21	30	59	30.09	30.18	9.53	6	3	29
22			34	20	29	60	30.09	30.18	9.72	6	3	28
23			33	20	29	62	30.08	30.17	9.38	6	3	30
24			32	20	28	63	30.08	30.17	9.29	6	4	31

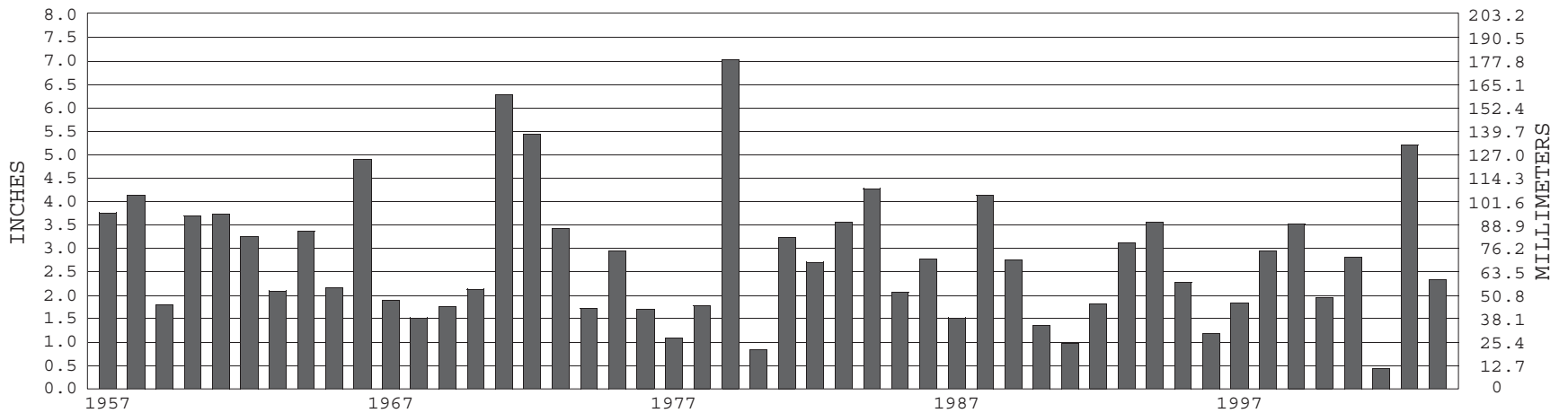
WILMINGTON, DE FEBRUARY TEMPERATURES



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

Long-Term (1957-2004) Mean: 33.9 1971-2000 Normal: 34.2

WILMINGTON, DE FEBRUARY PRECIPITATION



Long-Term (1957-2004) Mean Monthly Total: 2.81

1971-2000 Normal: 2.81



FEBRUARY 2004

WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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