MAY 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

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW−FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5−SEC SPEED	5−SEC DIR	MAXIMUM 2−MIN SPEED	2−MIN DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	78	57	68	10	60	63	0	3	RA	0		0.0	T	30.00	30.09	8.6	18	9.6	22	19	18	19	01
02	78	61	70	12	63	65	0	5	RA BR	0		0.0	0.15	29.78	29.86	10.3	16	11.5	33	19	26	19	02
03	61	43	52	-6	47	48	13	0	RA BR	0		0.0	0.77	29.84	29.92	8.7	32	9.4	29	30	23	30	03
04	59	39*	49*	-9	35	44	16	0		0		0.0	0.00	29.95	30.04	6.9	27	8.6	25	30	21	30	04
05	69	46	58	-1	47	52	7	0	RA	0		0.0	0.10	29.89	29.97	5.9	23	7.0	21	23	17	23	05
06	71	46	59	0	46	53	6	0		0		0.0	0.00	30.00	30.08	1.5	25	5.1	15	25	12	24	06
07	81	56	69	10	58	62	0	4	RA VCTS	0		0.0	0.07	29.99	30.08	2.4	27	7.0	28	31	23	30	07
08	63	48	56	-4	39	48	9	0		0		0.0	0.00	30.24	30.32	6.8	11	11.4	26	01	22	01	08
09	77	48	63	3	55	59	2	0	TS TSRA BR	0		0.0	0.59	30.07	30.15	1.9	15	6.5	25	32	22	32	09
10	79	60	70	9	64	66	0	5	TSRA BR	0		0.0	0.31	30.02	30.10	4.3	15	5.9	18	17	17	36	10
11	86	63	75	14	65	68	0	10	BR HZ	0		0.0	0.00	30.03	30.11	1.4	19	3.5	15	04	14	04	11
12	84	66	75	14	64	68	0	10	BR HZ	0		0.0	0.00	30.07	30.16	4.7	20	5.3	17	18	15	24	12
13	84	64	74	13	66	69	0	9	BR	0		0.0	0.00	30.09	30.18	5.1	17	5.5	20	19	15	18	13
14	85	64	75	13	65	68	0	10	RA BR HZ	0		0.0	T	30.09	30.18	3.7	15	8.3	20	19	16	19	14
15	85	65	75	12	65	69	0	10	TS RA VCTS	0		0.0	0.11	30.04	30.12	7.1	21	8.8	33*	29	28*	29	15
16	80	64	72	9	63	66	0	7	TSRA RA BR VCTS	0		0.0	0.18	30.17	30.25	1.9	26	2.5	16	24	14	24	16
17	81	65	73	10	65	68	0	8	RA BR VCTS	0		0.0	0.05	30.23	30.32	4.6	11	6.4	21	18	18	13	17
18	82	65	74	11	66	68	0	9	TSRA RA BR VCTS	0		0.0	0.41	30.07	30.16	7.4	22	8.4	30	27	22	27	18
19	74	64	69	6	64	65	0	4	RA BR	0		0.0	0.67	30.03	30.12	1.3	36	5.3	16	35	14	35	19
20	72	61	67	3	60	62	0	2	VA	0		0.0	0.00	30.13	30.21	6.9	13	8.8	18	14	16	15	20
21	78	63	71	7	67	68	0	6	TS TSRA RA BR VA	0		0.0	0.15	29.97	30.05	2.4	20	4.2	17	06	15	06	21
22	85	65	75	10	66	70	0	10	FG+ BR	0		0.0	0.00	29.85	29.93	5.4	23	7.2	16	29	15	29	22
23	89*	69	79	14	69	73	0	14		0		0.0	0.00	29.77	29.85	5.7	24	6.7	18	26	14	23	23
24	87	72	80*	15	69	72	0	15	RA	0		0.0	0.02	29.72	29.80	9.2	22	9.5	24	21	18	20	24
25	84	65	75	10	62	67	0	10	RA	0		0.0	0.10	29.77	29.85	2.3	22	7.4	20	15	17	15	25
26	75	63	69	3	65	66	0	4	RA BR	0		0.0	0.04	29.69	29.77	3.9	10	6.3	21	14	17	15	26
27	76	64	70	4	64	66	0	5	RA BR	0		0.0	T	29.64	29.73	5.0	14	8.5	23	15	18	15	27
28	81	64	73	6	62	66	0	8	RA	0		0.0	T	29.57	29.65	7.2	27	9.5	24	29	20	29	28
29	70	54	62	-5	41	52	3	0		0		0.0	0.00	29.90	29.98	7.6	32	8.2	25	28	20	29	29
30	73	52	63	-4	51	57	2	0		0		0.0	0.00	29.91	29.99	3.9	14	5.1	14	16	13	16	30
31	66	59	63	-4	60	61	2	0	RA BR	0		0.0	0.69	29.63	29.72	7.0	07	8.0	17	05	15	04	31
	77.2	59.2	68.2		59.1	62.9	1.9	5.4	< MONTHLY AVERAGES TOTALS−>			0.0	4.41	29.94	30.02	2.4	20	7.3					<− MONTHLY AVERAGES
	4.7	6.8	5.7		<−−−−−−−−−−−−−DEPARTURE FROM NORMAL−−−−−−−−−−−−−>								0.26	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

MAY 2004
WILMINGTON, DE

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	60	-72	4851	-22
COOLING:	168	106	174	101

GREATEST 24−HR PRECIPITATION: 1.08 DATE :18-19
GREATEST 24−HR SNOWFALL: 0.0 DATE :
GREATEST SNOW DEPTH: 0 DATE :

	SEA LEVEL PRESSURE	DATE	TIME
MAXIMUM	30.41	08	1051
MINIMUM	29.58	28	1051

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	0	MINIMUM TEMP ≤ 32 :	0
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	6	HEAVY FOG :	1

PRECIPITATION ≥ 0.01 INCH :	16
PRECIPITATION ≥ 0.10 INCH :	12
SNOWFALL ≥ 1.0 INCH :	0

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

MAY 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												T	01		T
02	T							T			T		02										T	0.03	0.12	02		0.15
03	0.14	0.02		0.01	0.04	0.13	0.05	T	T	T		T	03	0.09	0.03	0.08	0.08	0.04	0.02	T	0.03	0.01	T			03		0.77
04													04													04		0.00
05													05					0.01	T							05	0.01	0.10
06													06													06		0.00
07													07		T	0.07										07		0.07
08													08													08		0.00
09													09									0.02	0.02	0.26	0.29	09		0.59
10	0.25	0.06											10													10		0.31
11													11													11		0.00
12													12													12		0.00
13													13													13		0.00
14				T									14													14		T
15													15										0.05	0.06	T	15		0.11
16	T	T				T	T	0.01	T				16									0.10	0.07			16		0.18
17													17					0.01	0.01				0.03			17		0.05
18													18			T		T	0.01	0.02	T	0.17	0.21			18		0.41
19		T	0.03		T						T	T	19	0.01	0.42	0.12	0.09									19		0.67
20													20													20		0.00
21											0.14	T	21			0.01										21		0.15
22													22													22		0.00
23													23													23		0.00
24													24								0.02					24		0.02
25													25								0.01	0.08	0.01			25		0.10
26							0.01	0.03	T		T	T	26										T			26		0.04
27													27							T	T					27		T
28						T	T						28													28		T
29													29													29		0.00
30													30													30		0.00
31												0.04	31	0.01	T	0.01	0.55	0.05						T	0.03	31		0.69

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

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 occurence 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		
DESCRIPTOR	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
MAY 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
			SR−SS		MN−MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							.00	10.00	
03							2.00	10.00	
04							9.00	10.00	
05							7.00	10.00	
06							9.00	10.00	
07							.00	10.00	
08							10.00	10.00	
09							2.50	10.00	
10							1.50	10.00	
11							5.00	10.00	
12							2.00	10.00	
13							6.00	10.00	
14							2.00	10.00	
15							6.00	10.00	
16							3.00	10.00	
17							4.00	10.00	
18							2.50	10.00	
19							2.00	10.00	
20							7.00	10.00	
21							1.50	10.00	
22							.06	10.00	
23							8.00	10.00	
24							9.00	10.00	
25							10.00	10.00	
26							2.00	10.00	
27							3.00	10.00	
28							7.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							1.50	10.00	
MONTHLY AVGS							5.41	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			31

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
1	14	13

OBSERVATIONS AT 3–HOURLY INTERVALS

WILMINGTON, DE

MAY 2004 ILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0503	**MAY 01**			**SUNSET: 1857**					
01	CLR	NC			10.00		58	55	56	90	5	15	30.06	30.15
04	FEW	NC			10.00		57	55	56	93	6	14	30.03	30.12
07	CLR	NC			10.00		62	58	60	86	7	18	30.04	30.13
10	FEW	NC			10.00		71	61	65	71	9	23	30.03	30.12
13	SCT	NC			10.00		76	64	68	67	12	20	30.00	30.09
16	BKN	070			10.00		77	60	67	56	13	21	29.96	30.04
19	CLR	NC			10.00		72	60	65	66	7	17	29.96	30.05
22	CLR	NC			10.00		64	61	62	90	10	15	29.95	30.04
					SUNRISE: 0502	**MAY 02**			**SUNSET: 1858**					
01	FEW	NC			10.00		63	61	62	93	8	15	29.91	29.99
04	OVC	014			10.00		64	63	63	96	9	15	29.86	29.95
07	OVC	006			10.00		64	63	63	96	12	16	29.84	29.93
10	BKN	040			6.00	BR	66	64	65	93	13	16	29.81	29.90
13	BKN	039			10.00		72	65	68	79	9	15	29.77	29.85
16	FEW	NC			10.00		74	65	68	74	16	16	29.70	29.79
19	FEW	NC			10.00		69	64	66	84	14	16	29.66	29.75
22	OVC	026			10.00		73	65	68	76	25	20	29.70	29.79
					SUNRISE: 0500	**MAY 03**			**SUNSET: 1859**					
01	OVC	055			10.00	-RA	60	60	60	100	0	00	29.76	29.85
04	OVC	055			8.00	-RA	51	49	50	92	13	29	29.81	29.90
07	OVC	060			10.00	-RA	49	47	48	93	9	32	29.86	29.95
10	OVC	018			10.00		50	46	48	86	8	32	29.88	29.97
13	OVC	016			8.00	-RA	49	47	48	93	13	31	29.85	29.94
16	OVC	012			2.00	RA BR	48	47	47	96	12	32	29.81	29.90
19	OVC	017			3.00	-RA	47	45	46	93	13	34	29.82	29.91
22	OVC	110			10.00		46	43	45	89	6	36	29.85	29.94
					SUNRISE: 0459	**MAY 04**			**SUNSET: 1860**					
01	OVC	055			10.00		45	43	44	93	5	27	29.88	29.97
04	CLR	NC			10.00		44	39	42	83	3	27	29.92	30.01
07	CLR	NC			10.00		45	34	40	66	10	29	29.99	30.08
10	CLR	NC			10.00		52	35	44	53	13	30	29.99	30.08
13	CLR	NC			10.00		56	34	46	44	9	27	29.97	30.05
16	CLR	NC			10.00		59	32	47	36	9	29	29.92	30.01
19	CLR	NC			10.00		54	34	45	47	6	18	29.93	30.02
22	CLR	NC			10.00		51	35	44	54	8	19	29.97	30.06
					SUNRISE: 0458	**MAY 05**			**SUNSET: 1901**					
01	CLR	NC			10.00		47	37	42	69	0	00	29.96	30.05
04	BKN	090			10.00		47	41	44	80	0	00	29.93	30.02
07	CLR	NC			10.00		54	47	50	77	7	22	29.94	30.02
10	FEW	NC			10.00		63	48	55	58	10	20	29.90	29.99
13	FEW	NC			10.00		67	43	54	42	14	21	29.84	29.93
16	FEW	NC			10.00		68	49	57	51	12	22	29.79	29.88
19	CLR	NC			10.00		60	52	56	75	5	22	29.83	29.92
22	FEW	NC			8.00		56	53	54	90	3	24	29.88	29.97
					SUNRISE: 0457	**MAY 06**			**SUNSET: 1901**					
01	CLR	NC			10.00		53	49	51	86	7	34	29.94	30.03
04	CLR	NC			10.00		50	45	48	83	0	00	29.96	30.05
07	CLR	NC			10.00		53	46	50	77	6	32	30.05	30.13
10	CLR	NC			10.00		62	41	52	46	7	33	30.06	30.15
13	CLR	NC			10.00		66	39	52	37	3	VR	30.00	30.09
16	CLR	NC			10.00		70	45	57	41	9	21	29.96	30.05
19	CLR	NC			10.00		65	45	54	49	6	19	29.96	30.05
22	CLR	NC			10.00		58	55	56	90	6	16	29.99	30.08

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0456	**MAY 07**			**SUNSET: 1902**					
01	CLR	NC			10.00		57	50	53	78	3	16	29.96	30.05
04	FEW	NC			10.00		56	52	54	87	3	19	29.95	30.04
07	CLR	NC			7.00		60	56	58	86	6	17	29.98	30.06
10	CLR	NC			10.00		68	59	63	73	7	20	29.99	30.07
13	CLR	NC			10.00		80	63	69	56	9	29	29.96	30.05
16	CLR	NC			10.00		73	65	68	76	9	32	29.98	30.07
19	CLR	NC			8.00		70	65	67	84	10	28	29.98	30.07
22	CLR	NC			10.00		68	64	66	87	6	33	30.05	30.13
					SUNRISE: 0455	**MAY 08**			**SUNSET: 1903**					
01	CLR	NC			10.00		61	41	51	48	10	36	30.11	30.20
04	SCT	NC			10.00		55	37	47	51	9	03	30.21	30.30
07	OVC	060			10.00		57	38	48	49	14	07	30.28	30.37
10	OVC	065			10.00		60	35	48	39	12	10	30.31	30.40
13	BKN	070			10.00		62	36	50	38	8	13	30.29	30.37
16	CLR	NC			10.00		59	39	49	48	16	16	30.24	30.33
19	CLR	NC			10.00		54	40	47	59	14	14	30.21	30.29
22	CLR	NC			10.00		50	41	46	71	10	12	30.20	30.29
					SUNRISE: 0454	**MAY 09**			**SUNSET: 1904**					
01	SCT	NC			10.00		49	42	46	77	5	13	30.17	30.25
04	OVC	016			10.00		50	45	48	83	5	11	30.12	30.21
07	OVC	016			10.00		53	47	50	80	6	13	30.13	30.22
10	CLR	NC			10.00		63	55	58	76	7	23	30.08	30.16
13	CLR	NC			10.00		72	59	64	64	5	25	30.03	30.11
16	CLR	NC			10.00		76	62	67	62	7	16	29.98	30.06
19	CLR	NC			10.00		69	61	64	76	6	14	29.98	30.07
22	BKN	085			6.00	TS BR	67	66	66	97	8	31	30.03	30.12
					SUNRISE: 0453	**MAY 10**			**SUNSET: 1905**					
01	OVC	028			4.00	+TSRA BR	63	62	62	97	7	13	30.03	30.12
04	CLR	NC			8.00		62	61	61	96	5	35	30.01	30.09
07	OVC	005			4.00	BR	62	61	61	96	0	00	30.05	30.14
10	FEW	NC			8.00		68	64	66	87	5	16	30.08	30.16
13	CLR	NC			10.00		75	67	70	76	9	14	30.03	30.12
16	CLR	NC			10.00		78	68	71	71	10	17	29.98	30.06
19	CLR	NC			10.00		70	64	66	82	6	16	29.97	30.06
22	CLR	NC			8.00		67	64	65	91	3	18	29.99	30.08
					SUNRISE: 0452	**MAY 11**			**SUNSET: 1906**					
01	CLR	NC			6.00	BR	67	64	65	91	0	00	29.98	30.07
04	CLR	NC			6.00	BR	67	65	66	93	5	08	30.01	30.10
07	CLR	NC			5.00	BR	69	65	66	87	6	07	30.04	30.13
10	CLR	NC			8.00		77	68	71	74	0	00	30.06	30.14
13	CLR	NC			10.00		83	65	71	55	6	23	30.03	30.12
16	CLR	NC			10.00		85	61	70	45	6	26	30.00	30.08
19	CLR	NC			10.00		76	67	70	74	5	15	30.01	30.10
22	CLR	NC			8.00		71	66	68	84	3	19	30.06	30.15
					SUNRISE: 0451	**MAY 12**			**SUNSET: 1907**					
01	CLR	NC			6.00	BR	69	66	67	90	0	00	30.06	30.14
04	CLR	NC			5.00	BR	68	65	66	90	0	00	30.07	30.16
07	CLR	NC			2.00	BR	70	67	68	90	3	26	30.11	30.20
10	CLR	NC			10.00		80	69	73	69	8	19	30.10	30.19
13	SCT	NC			10.00		83	63	70	51	12	23	30.08	30.16
16	CLR	NC			10.00		83	59	68	44	12	21	30.02	30.11
19	CLR	NC			10.00		78	60	67	54	6	19	30.04	30.13
22	CLR	NC			10.00		71	63	66	76	6	15	30.08	30.16

OBSERVATIONS AT 3–HOURLY INTERVALS

WILMINGTON, DE

MAY 2004 ILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0450	**MAY 13**			**SUNSET: 1908**					
01	CLR	NC			10.00		68	65	66	90	0	00	30.06	30.15
04	CLR	NC			10.00		66	64	65	93	3	19	30.07	30.16
07	CLR	NC			7.00		70	67	68	90	6	14	30.11	30.20
10	CLR	NC			10.00		78	69	72	74	7	14	30.12	30.20
13	SCT	NC			10.00		83	67	72	59	9	18	30.10	30.19
16	CLR	NC			10.00		82	66	72	58	10	16	30.06	30.14
19	CLR	NC			10.00		77	66	70	69	8	16	30.07	30.16
22	CLR	NC			10.00		71	67	68	87	3	15	30.12	30.20
					SUNRISE: 0449	**MAY 14**			**SUNSET: 1909**					
01	FEW	NC			7.00		69	67	68	93	5	14	30.11	30.20
04	BKN	090			6.00	BR	67	64	65	91	9	06	30.11	30.20
07	OVC	006			2.00	BR	65	63	64	93	10	04	30.14	30.23
10	BKN	006			2.00	BR	69	65	66	87	8	05	30.14	30.23
13	CLR	NC			10.00		81	69	73	67	9	14	30.10	30.18
16	CLR	NC			10.00		84	63	70	49	12	22	30.04	30.12
19	CLR	NC			10.00		79	64	69	60	7	18	30.03	30.12
22	CLR	NC			10.00		75	65	69	71	8	18	30.05	30.14
					SUNRISE: 0448	**MAY 15**			**SUNSET: 1909**					
01	CLR	NC			10.00		71	65	67	81	6	19	30.04	30.12
04	CLR	NC			10.00		68	65	66	90	6	18	30.03	30.12
07	BKN	070			10.00		71	65	67	81	8	20	30.07	30.15
10	CLR	NC			10.00		78	67	71	69	9	24	30.07	30.15
13	CLR	NC			10.00		84	65	71	53	12	21	30.03	30.11
16	CLR	NC			10.00		83	66	72	57	13	21	29.98	30.06
19	CLR	NC			10.00		79	66	71	65	7	20	29.99	30.07
22	OVC	055			6.00	RA	70	62	65	76	24	30	30.09	30.17
					SUNRISE: 0447	**MAY 16**			**SUNSET: 1910**					
01	BKN	110			10.00		65	63	64	93	5	20	30.09	30.18
04	SCT	NC			10.00		64	63	63	96	3	24	30.11	30.20
07	BKN	110			10.00		65	64	64	97	5	28	30.16	30.25
10	BKN	019			10.00		71	64	67	79	0	00	30.19	30.28
13	SCT	NC			10.00		76	61	67	60	8	26	30.17	30.26
16	OVC	055			10.00		77	60	67	56	6	29	30.14	30.23
19	BKN	110			10.00		76	61	67	60	0	00	30.17	30.25
22	SCT	NC			7.00		67	67	67	100	5	18	30.22	30.31
					SUNRISE: 0446	**MAY 17**			**SUNSET: 1911**					
01	CLR	NC			5.00	BR	66	66	66	100	3	04	30.21	30.30
04	OVC	039			7.00		68	66	67	93	6	06	30.23	30.32
07	SCT	NC			10.00		66	61	63	84	7	05	30.27	30.36
10	CLR	NC			10.00		74	65	68	74	5	08	30.28	30.37
13	CLR	NC			10.00		79	66	71	65	7	VR	30.25	30.33
16	BKN	070			10.00	VCTS	73	67	69	81	15	17	30.20	30.29
19	FEW	NC			10.00		71	66	68	84	6	12	30.19	30.27
22	OVC	030			9.00		69	67	68	93	5	09	30.22	30.30
					SUNRISE: 0445	**MAY 18**			**SUNSET: 1912**					
01	CLR	NC			10.00		66	64	65	93	6	18	30.17	30.26
04	CLR	NC			10.00		67	65	66	93	7	17	30.14	30.23
07	BKN	100			10.00		69	66	67	90	8	19	30.14	30.23
10	CLR	NC			10.00		76	67	70	74	9	24	30.12	30.21
13	CLR	NC			10.00		80	67	71	64	12	21	30.05	30.14
16	FEW	NC			10.00	VCTS	80	66	71	62	12	21	29.99	30.08
19	BKN	100			10.00	-RA	75	68	70	79	6	17	29.97	30.06
22	SCT	NC			10.00	VCTS	66	64	65	93	3	22	30.02	30.11

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0444	**MAY 19**			**SUNSET: 1913**					
01	CLR	NC			10.00		65	64	64	97	3	28	29.99	30.07
04	OVC	100			10.00		65	64	64	97	3	21	29.97	30.06
07	CLR	NC			10.00		67	65	66	93	9	28	30.01	30.09
10	BKN	100			10.00		71	66	68	84	6	30	30.02	30.11
13	OVC	018			9.00	-RA	71	67	68	87	8	35	30.02	30.11
16	BKN	085			10.00		66	64	65	93	8	04	30.03	30.11
19	OVC	016			10.00		66	64	65	93	3	10	30.06	30.15
22	SCT	NC			10.00		64	63	63	96	3	09	30.11	30.20
					SUNRISE: 0444	**MAY 20**			**SUNSET: 1914**					
01	OVC	030			10.00		64	63	63	96	5	08	30.11	30.20
04	OVC	030			10.00		62	61	61	96	8	06	30.12	30.21
07	OVC	011			10.00		63	60	61	90	7	10	30.17	30.26
10	OVC	024			10.00		66	59	62	78	6	12	30.20	30.28
13	OVC	035			10.00		68	62	64	81	10	18	30.17	30.25
16	BKN	110			10.00		70	59	63	68	14	15	30.10	30.19
19	SCT	NC			10.00		66	60	62	81	10	16	30.09	30.17
22	OVC	009			10.00	VA	65	62	63	90	10	16	30.10	30.18
					SUNRISE: 0443	**MAY 21**			**SUNSET: 1915**					
01	OVC	023			10.00	VA	64	61	62	90	6	18	30.04	30.13
04	OVC	005			6.00	VA BR	64	63	63	96	7	20	29.99	30.08
07	OVC	003			3.00	BR	66	65	65	96	7	21	30.00	30.09
10	OVC	011			2.50		70	67	68	90	7	25	30.01	30.09
13	OVC	018			5.00	BR	72	70	71	94	6	30	29.97	30.06
16	CLR	NC			10.00		76	69	71	79	3	28	29.93	30.01
19	CLR	NC			8.00		73	69	70	87	6	15	29.92	30.01
22	CLR	NC			3.00	BR	69	69	69	100	3	18	29.94	30.03
					SUNRISE: 0442	**MAY 22**			**SUNSET: 1916**					
01	CLR	NC			2.50	BR	68	68	68	100	5	17	29.89	29.97
04	FEW	NC			4.00	BR	68	68	68	100	5	25	29.85	29.94
07	FEW	NC			7.00		68	67	67	96	9	27	29.91	30.00
10	CLR	NC			10.00		76	64	68	67	3	28	29.88	29.97
13	CLR	NC			10.00		83	66	72	57	9	23	29.85	29.94
16	CLR	NC			10.00		84	67	73	57	9	21	29.81	29.90
19	CLR	NC			10.00		81	67	72	62	7	19	29.79	29.88
22	CLR	NC			10.00		76	66	70	72	7	21	29.81	29.90
					SUNRISE: 0442	**MAY 23**			**SUNSET: 1917**					
01	CLR	NC			10.00		74	67	69	79	8	22	29.79	29.88
04	CLR	NC			10.00		71	68	69	90	0	00	29.77	29.85
07	CLR	NC			10.00		76	72	73	88	8	23	29.78	29.87
10	CLR	NC			10.00		85	71	75	63	10	29	29.80	29.88
13	CLR	NC			10.00		87	68	74	53	9	24	29.76	29.85
16	CLR	NC			10.00		88	68	74	52	10	21	29.74	29.82
19	CLR	NC			10.00		83	69	74	63	6	21	29.74	29.82
22	CLR	NC			10.00		79	69	72	72	9	20	29.76	29.84
					SUNRISE: 0441	**MAY 24**			**SUNSET: 1918**					
01	CLR	NC			10.00		77	70	72	79	9	21	29.72	29.80
04	CLR	NC			10.00		74	68	70	82	6	25	29.72	29.80
07	FEW	NC			10.00		75	69	71	82	8	24	29.76	29.84
10	CLR	NC			10.00		82	69	73	65	10	22	29.75	29.84
13	FEW	NC			10.00		85	67	73	55	10	23	29.72	29.81
16	CLR	NC			10.00		86	67	73	53	13	21	29.67	29.75
19	FEW	NC			10.00		82	67	72	60	8	20	29.67	29.75
22	FEW	NC			10.00		75	71	72	88	5	25	29.71	29.79

OBSERVATIONS AT 3–HOURLY INTERVALS

WILMINGTON, DE

MAY 2004 ILG WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0440	MAY 25			SUNSET: 1918					
01	CLR	NC			10.00		74	68	70	82	5	24	29.72	29.80
04	CLR	NC			10.00		69	63	65	81	0	00	29.77	29.85
07	CLR	NC			10.00		72	58	64	61	7	33	29.81	29.90
10	CLR	NC			10.00		77	57	65	50	8	30	29.82	29.90
13	CLR	NC			10.00		81	59	67	47	6	VR	29.78	29.87
16	CLR	NC			10.00		83	62	70	49	7	19	29.73	29.82
19	CLR	NC			10.00		75	63	67	66	9	13	29.75	29.84
22	BKN	080			10.00		67	66	66	97	7	19	29.75	29.84
					SUNRISE: 0440	MAY 26			SUNSET: 1919					
01	SCT	NC			10.00		65	64	64	97	0	00	29.73	29.82
04	OVC	003			5.00	BR	64	64	64	100	10	07	29.72	29.81
07	OVC	003			2.00	BR	63	63	63	100	8	09	29.73	29.82
10	OVC	005			2.50		66	64	65	93	6	05	29.73	29.81
13	OVC	015			10.00		71	64	67	79	3	34	29.71	29.80
16	SCT	NC			10.00		74	65	68	74	5	10	29.66	29.75
19	BKN	012			10.00		71	69	70	94	8	14	29.63	29.72
22	OVC	004			8.00		68	67	67	96	9	17	29.61	29.70
					SUNRISE: 0439	MAY 27			SUNSET: 1920					
01	CLR	NC			8.00		66	65	65	96	5	15	29.60	29.69
04	OVC	003			4.00	BR	66	65	65	96	0	00	29.61	29.70
07	OVC	007			3.00	BR	65	63	64	93	6	03	29.68	29.77
10	CLR	NC			10.00		70	61	64	73	5	35	29.67	29.76
13	CLR	NC			10.00		74	63	67	69	7	VR	29.66	29.75
16	CLR	NC			10.00		76	64	68	67	9	14	29.63	29.72
19	BKN	070			8.00	-RA	70	67	68	90	13	17	29.63	29.72
22	OVC	005			7.00		68	66	67	93	15	15	29.63	29.71
					SUNRISE: 0439	MAY 28			SUNSET: 1921					
01	CLR	NC			7.00		68	66	67	93	8	17	29.58	29.67
04	CLR	NC			8.00		69	67	68	93	7	16	29.54	29.62
07	BKN	017			10.00		70	67	68	90	3	20	29.54	29.62
10	CLR	NC			10.00		75	65	69	71	8	27	29.51	29.60
13	BKN	070			10.00		79	61	68	54	18	30	29.52	29.61
16	FEW	NC			10.00		78	58	66	50	15	28	29.52	29.61
19	CLR	NC			10.00		73	56	63	55	6	26	29.59	29.68
22	CLR	NC			10.00		68	56	61	66	8	27	29.67	29.76
					SUNRISE: 0438	MAY 29			SUNSET: 1922					
01	CLR	NC			10.00		63	51	56	65	14	33	29.73	29.82
04	CLR	NC			10.00		58	44	51	60	9	33	29.80	29.88
07	CLR	NC			10.00		58	43	50	58	8	34	29.89	29.97
10	CLR	NC			10.00		64	37	51	37	8	30	29.93	30.02
13	CLR	NC			10.00		69	36	53	30	13	33	29.92	30.01
16	CLR	NC			10.00		69	36	53	30	17	30	29.92	30.01
19	CLR	NC			10.00		63	38	51	40	8	31	29.95	30.03
22	CLR	NC			10.00		59	39	49	48	0	00	29.96	30.04
					SUNRISE: 0438	MAY 30			SUNSET: 1922					
01	CLR	NC			10.00		54	46	50	75	0	00	29.96	30.05
04	CLR	NC			10.00		52	48	50	86	3	36	29.97	30.05
07	OVC	110			10.00		58	38	48	48	6	09	30.00	30.09
10	SCT	NC			10.00		65	48	56	54	8	15	29.96	30.04
13	SCT	NC			10.00		69	53	60	57	6	15	29.91	30.00
16	OVC	046			10.00		69	58	62	68	9	16	29.85	29.94
19	OVC	038			10.00		69	59	63	70	6	17	29.83	29.91
22	OVC	028			10.00		67	54	60	63	5	18	29.80	29.88

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE ℉: DRY BULB	TEMPERATURE ℉: DEW POINT	TEMPERATURE ℉: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0437	MAY 31			SUNSET: 1923					
01	OVC	031			10.00		66	56	60	70	0	00	29.76	29.85
04	OVC	035			10.00		65	59	61	81	7	08	29.70	29.79
07	OVC	024			10.00		65	60	62	84	7	08	29.69	29.78
10	OVC	030			10.00		65	58	61	78	10	08	29.66	29.75
13	OVC	012			10.00	-RA	63	61	62	93	10	07	29.59	29.67
16	OVC	011			1.50	+RA BR	62	62	62	100	7	02	29.56	29.65
19	OVC	008			10.00		62	61	61	96	10	05	29.54	29.62
22	OVC	004			3.00		60	59	59	96	5	34	29.60	29.69

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 Visibilty = 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: 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			63	59	61	86	29.94	30.03	8.89	5	2	18
02			63	58	60	86	29.94	30.02	9.10	5	1	23
03			62	58	60	87	29.94	30.02	8.87	4	1	11
04			62	58	60	88	29.94	30.03	8.61	5	1	11
05			61	58	59	89	29.95	30.04	8.22	5	1	8
06			62	58	60	88	29.97	30.05	7.47	5	0	0
07			64	58	61	84	29.97	30.06	8.13	7	1	20
08			66	58	61	78	29.98	30.07	8.47	8	1	25
09			68	58	62	73	29.97	30.06	8.66	7	1	24
10			70	59	63	70	29.97	30.06	9.00	7	2	23
11			71	59	64	67	29.96	30.05	9.05	8	3	22
12			73	60	65	65	29.95	30.04	9.74	8	4	22
13			74	59	65	62	29.94	30.03	9.74	8	4	23
14			75	59	65	61	29.93	30.01	9.58	9	5	23
15			75	59	65	61	29.91	29.99	9.42	9	5	20
16			75	59	65	61	29.90	29.99	9.47	10	6	21
17			74	59	65	64	29.90	29.98	9.77	10	5	19
18			72	60	65	67	29.90	29.98	9.71	9	5	18
19			70	60	64	72	29.90	29.99	9.58	7	4	17
20			69	60	64	76	29.91	30.00	9.61	8	5	17
21			67	60	63	80	29.92	30.01	9.16	8	5	17
22			66	60	63	84	29.93	30.02	8.81	7	4	19
23			65	60	62	86	29.93	30.02	8.66	6	2	21
24			64	59	61	86	29.93	30.02	8.55	5	1	21

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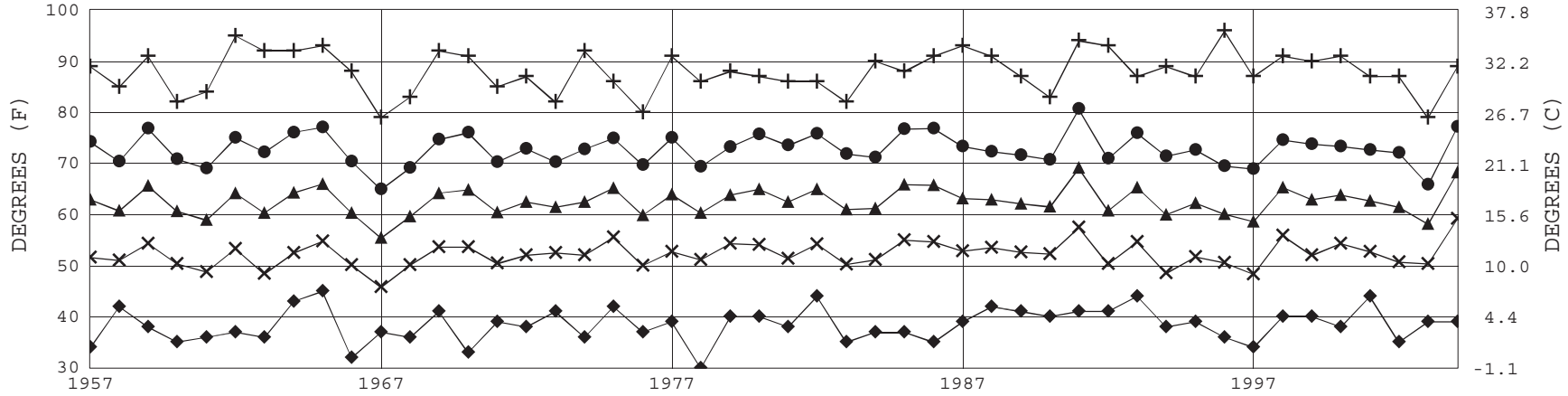
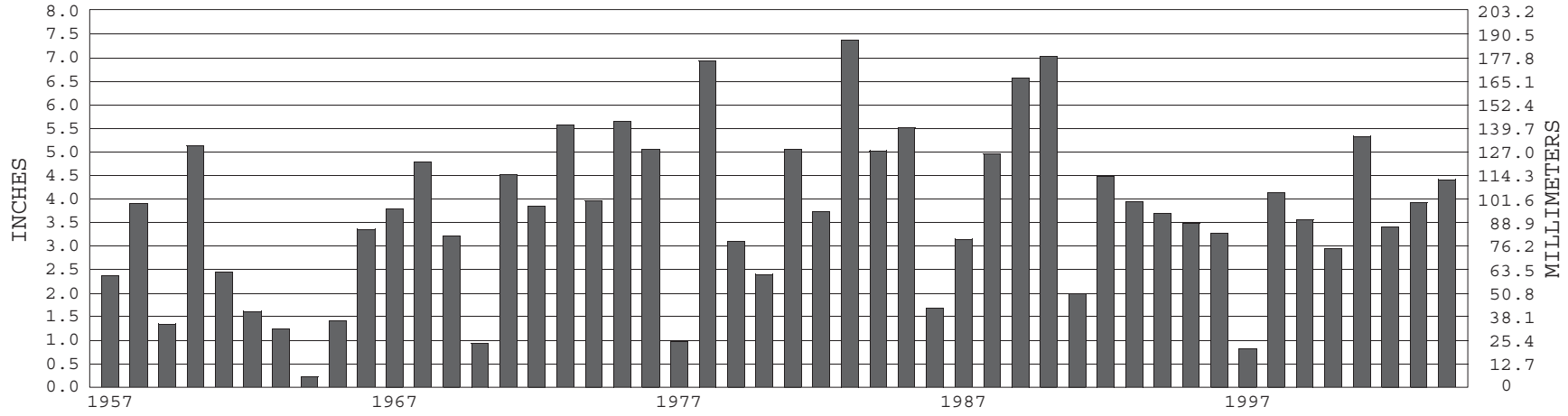
WILMINGTON, DE MAY TEMPERATURES



Long-Term (1957-2004) Mean: 62.5 1971-2000 Normal: 62.5

WILMINGTON, DE MAY PRECIPITATION



Long-Term (1957-2004) Mean Monthly Total: 3.69 1971-2000 Normal: 4.15

MAY 2004

WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

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