



AUGUST 2005

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						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				
										DEPTH	WATER EQUIV	SNOW FALL	WATER EQUIV						SPEED	DIR	SPEED		DIR
01	84	70	77	0	68	71	0	12	BR HZ	0		0.0	0.00	30.04	30.12	2.2	16	5.1	14	19	13	19	01
02	93	69	81	4	69	73	0	16	BR	0		0.0	0.00	29.91	30.00	4.9	28	6.1	20	28	17	29	02
03	94	72	83	6	67	72	0	18		0		0.0	0.00	29.89	29.97	5.0	32	5.8	18	31	15	01	03
04	95	72	84	7	71	75	0	19	HZ VCTS	0		0.0	0.00	29.95	30.03	4.8	23	6.0	17	23	15	20	04
05	95	76	86	10	70	75	0	21	TS HZ VCTS	0		0.0	0.00	29.98	30.05	6.2	25	8.5	23	32	20	32	05
06	88	74	81	5	64	70	0	16		0		0.0	0.00	30.04	30.12	1.2	08	5.9	16	03	13	13	06
07	83	73	78	2	71	73	0	13	RA BR	0		0.0	0.01	30.06	30.14	3.8	14	4.4	16	16	14	16	07
08	87	72	80	4	70	73	0	15	RA BR HZ	0		0.0	0.01	30.07	30.15	0.9	09	5.2	29	15	25	15	08
09	79	70	75	-1	69	71	0	10	RA BR	0		0.0	0.19	30.04	30.12	2.3	12	5.3	15	15	14	14	09
10	87	69	78	2	69	72	0	13		0		0.0	0.00	29.90	29.99	3.2	28	4.8	14	26	12	29	10
11	93	71	82	6	70	74	0	17	BR HZ	0		0.0	0.00	29.88	29.96	4.3	27	5.7	20	28	17	29	11
12	95	73	84	8	73	76	0	19	BR HZ	0		0.0	0.00	29.89	29.97	4.9	20	6.2	20	21	15	19	12
13	96	77	87*	11	75	78	0	22	BR HZ	0		0.0	0.00	29.84	29.92	6.8	19	7.8	20	14	16	14	13
14	96*	74	85	9	74	78	0	20	TS TSRA RA BR HZ VCTS	0		0.0	0.05	29.83	29.92	7.3	20	8.6	29	29	22	28	14
15	87	72	80	5	69	72	0	15	RA HZ	0		0.0	T	29.96	30.05	4.6	01	7.2	16	07	14	06	15
16	75	68	72	-3	68	69	0	7	RA	0		0.0	0.56	29.99	30.07	5.7	07	6.6	14	05	12	04	16
17	86	63	75	0	63	67	0	10		0		0.0	0.00	29.92	30.00	6.2	31	7.1	20	31	16	31	17
18	85	64	75	0	64	69	0	10		0		0.0	0.00	29.97	30.05	4.4	10	7.8	18	06	15	13	18
19	77	67	72	-3	67	69	0	7	RA BR	0		0.0	0.30	29.99	30.07	4.1	10	5.8	21	21	16	22	19
20	85	71	78	3	72	74	0	13		0		0.0	0.00	29.91	29.99	4.5	16	5.3	15	15	14	15	20
21	91	72	82	8	69	74	0	17	BR HZ	0		0.0	0.00	29.78	29.86	6.5	27	8.4	20	27	17	29	21
22	87	64	76	2	58	65	0	11		0		0.0	0.00	29.79	29.87	7.7	29	8.1	20	32	17	30	22
23	83	60	72	-2	56	63	0	7		0		0.0	0.00	29.92	30.01	4.6	32	5.6	14	28	12	29	23
24	84	58	71	-3	52	60	0	6		0		0.0	0.00	30.03	30.12	7.6	35	8.9	20	36	16	34	24
25	83	56*	70*	-4	55	61	0	5		0		0.0	0.00	30.13	30.22	1.9	08	6.4	18	04	15	04	25
26	82	62	72	-2	60	65	0	7	RA	0		0.0	T	30.04	30.12	5.5	16	6.4	20	13	16	14	26
27	83	68	76	3	66	69	0	11	RA BR	0		0.0	0.20	29.93	30.01	6.6	14	8.0	32*	18	25*	18	27
28	82	70	76	3	70	72	0	11	RA	0		0.0	0.01	29.88	29.96	2.8	17	5.4	16	25	14	24	28
29	86	66	76	3	70	72	0	11	BR	0		0.0	0.00	29.90	29.98	4.9	14	6.6	18	15	17	15	29
30	86	74	80	7	74	75	0	15	RA BR	0		0.0	0.02	29.78	29.86	8.1	15	8.6	26	15	22	15	30
31	88	70	79	7	71	74	0	14	RA	0		0.0	T	29.53	29.61	10.5	21	15.9	30	28	24	28	31
MONTHLY AVERAGES										TOTALS->		0.0	1.35	29.93	30.01	0.9	21	6.9	-<- MONTHLY AVERAGES				
DEPARTURE FROM NORMAL												-2.16		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.56 DATE: 16				SEA LEVEL PRESSURE				DATE		TIME			
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:				MAXIMUM				: 30.28		25 0851			
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: 0 DATE:				MINIMUM				: 29.53		31 1551			
HEATING:		0		-2		0		-3		NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 9		MINIMUM TEMP ≤ 32: 0		PRECIPITATION ≥ 0.01 INCH: 9							
COOLING:		408		91		1052		79		MAXIMUM TEMP ≤ 32: 0		MINIMUM TEMP ≤ 0: 0		PRECIPITATION ≥ 0.10 INCH: 4									
										THUNDERSTORMS: 2		HEAVY FOG: 0		SNOWFALL ≥ 1.0 INCH: 0									

AUGUST 2005
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

AUGUST 2005

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		0.00		
03													03												03		0.00		
04													04												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.01		
08													08												08		0.01		
09	0.02	0.01											09												09		0.19		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14												14	0.05	0.05		
15	T												15												15		T		
16													16	0.01	T	T	0.01	0.01							16		0.56		
17													17												17		0.00		
18													18												18		0.00		
19													19												19		0.30		
20													20	T	0.04	0.02	T	T							20		0.00		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		T		
27													27	0.17	T	0.03									27		0.20		
28													28	T	T										28		0.01		
29													29												29		0.00		
30													30												30		0.02		
31													31												31		T		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.07	.10	.12	.12	.14	.18	.21	.22	.22	.22	.25	.27
Ending Date	19	19	19	19	19	19	19	19	19	19	16	16
Ending Time (Hour/Min)	1015	1016	1016	1016	1034	1046	1100	1106	1106	1106	2035	2223

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 AUGUST 2005

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							5.00	10.00	
02							6.00	10.00	
03							8.00	10.00	
04							6.00	10.00	
05							6.00	10.00	
06							7.00	10.00	
07							3.00	10.00	
08							6.00	10.00	
09							4.00	10.00	
10							7.00	10.00	
11							2.50	10.00	
12							3.00	9.00	
13							3.00	7.00	
14							3.00	10.00	
15							5.00	10.00	
16							3.00	10.00	
17							3.00	10.00	
18							10.00	10.00	
19							4.00	10.00	
20							8.00	10.00	
21							1.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							3.00	10.00	
28							7.00	10.00	
29							2.00	10.00	
30							4.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.79	9.87	
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 0 10 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

AUGUST 2005

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
<p>SUNRISE: 0502 AUG 01 SUNSET: 1916</p>																													
01	CLR	NC	10.00		71	68	69	90	5	09	30.07	30.16	01	CLR	NC	9.00		75	71	72	88	3	17	30.04	30.12				
04	OVC	004	5.00	BR	70	68	69	93	6	06	30.06	30.15	04	OVC	NC	7.00		75	73	74	94	5	09	30.04	30.12				
07	SCT	NC	6.00	HZ	72	67	69	84	3	04	30.09	30.18	07	SCT	013	3.00	-RA	74	72	73	94	5	08	30.08	30.16				
10	OVC	020	10.00		76	68	71	77	5	VR	30.09	30.18	10	BKN	012	3.00	-RA	77	73	74	88	6	07	30.09	30.17				
13	SCT	NC	8.00		82	69	73	65	5	VR	30.04	30.13	13	CLR	NC	3.00		82	68	73	63	7	16	30.07	30.16				
16	SCT	NC	9.00		83	69	74	63	8	16	29.99	30.07	16	CLR	NC	9.00		83	70	74	65	8	18	30.04	30.12				
19	CLR	NC	10.00		80	67	71	64	7	21	29.98	30.07	19	CLR	NC	10.00		80	68	72	67	9	15	30.04	30.12				
22	CLR	NC	10.00		76	67	70	74	6	22	29.97	30.05	22	CLR	NC	10.00		76	69	71	79	0	00	30.05	30.14				
<p>SUNRISE: 0503 AUG 02 SUNSET: 1915</p>																													
01	CLR	NC	10.00		73	68	70	84	5	20	29.96	30.04	01	CLR	NC	8.00		75	72	73	90	5	18	30.05	30.14				
04	CLR	NC	7.00		69	67	68	93	0	00	29.93	30.02	04	SCT	NC	9.00		75	71	72	88	3	19	30.05	30.14				
07	CLR	NC	7.00		74	70	71	88	6	25	29.96	30.04	07	CLR	NC	6.00	HZ	76	71	73	85	0	00	30.06	30.15				
10	CLR	NC	10.00		86	69	74	57	3	VR	29.96	30.04	10	CLR	NC	7.00		80	73	75	79	8	09	30.08	30.17				
13	CLR	NC	10.00		90	67	74	47	10	29	29.91	29.99	13	FEW	NC	10.00		86	71	76	61	10	13	30.05	30.14				
16	FEW	NC	10.00		91	68	75	47	13	30	29.87	29.95	16	BKN	060	10.00		79	67	71	67	9	02	30.06	30.14				
19	CLR	NC	10.00		85	69	74	59	7	29	29.86	29.95	19	BKN	070	7.00	-RA	74	69	71	85	0	00	30.08	30.16				
22	CLR	NC	10.00		82	70	74	67	0	00	29.88	29.96	22	CLR	NC	9.00		74	69	71	85	0	00	30.07	30.16				
<p>SUNRISE: 0504 AUG 03 SUNSET: 1914</p>																													
01	BKN	095	8.00		77	71	73	82	5	31	29.87	29.96	01	OVC	100	6.00	-RA BR	72	70	71	94	0	00	30.06	30.14				
04	CLR	NC	10.00		75	66	69	74	5	34	29.87	29.96	04	OVC	100	5.00	BR	72	70	71	94	3	30	30.04	30.13				
07	CLR	NC	10.00		80	67	71	64	6	35	29.91	29.99	07	OVC	045	4.00	-RA BR	72	70	71	94	6	05	30.07	30.15				
10	CLR	NC	10.00		88	66	73	48	7	34	29.92	30.00	10	BKN	085	10.00		76	70	72	82	8	06	30.06	30.15				
13	CLR	NC	10.00		91	66	74	44	8	29	29.89	29.97	13	BKN	075	10.00		77	68	71	74	8	15	30.05	30.13				
16	CLR	NC	10.00		93	63	73	37	6	33	29.86	29.94	16	OVC	085	10.00		76	69	71	79	7	19	30.02	30.11				
19	CLR	NC	10.00		84	67	73	57	7	29	29.87	29.96	19	CLR	NC	10.00		75	69	71	82	6	15	30.00	30.08				
22	CLR	NC	10.00		79	69	72	72	3	24	29.90	29.99	22	OVC	046	10.00		72	69	70	91	0	00	29.99	30.07				
<p>SUNRISE: 0504 AUG 04 SUNSET: 1913</p>																													
01	CLR	NC	10.00		75	70	72	84	6	28	29.92	30.01	01	OVC	036	10.00		73	68	70	84	3	01	29.96	30.04				
04	CLR	NC	9.00		76	69	71	79	0	00	29.93	30.01	04	BKN	065	10.00		69	67	68	93	5	31	29.94	30.03				
07	CLR	NC	6.00	HZ	79	70	73	74	3	29	29.97	30.05	07	OVC	024	10.00		73	69	70	87	6	33	29.95	30.03				
10	CLR	NC	9.00		88	71	76	57	3	VR	29.98	30.06	10	OVC	025	10.00		80	69	73	69	0	00	29.93	30.01				
13	FEW	NC	10.00		94	70	77	46	13	24	29.96	30.05	13	BKN	070	10.00		84	69	74	61	5	VR	29.89	29.98				
16	CLR	NC	10.00		92	70	77	49	7	24	29.93	30.02	16	SCT	NC	10.00		86	68	74	55	6	29	29.84	29.93				
19	CLR	NC	8.00		88	73	77	61	8	22	29.93	30.01	19	CLR	NC	10.00		81	70	74	69	6	23	29.85	29.93				
22	CLR	NC	7.00		82	74	76	77	7	18	29.96	30.05	22	CLR	NC	10.00		76	70	72	82	5	22	29.88	29.97				
<p>SUNRISE: 0505 AUG 05 SUNSET: 1912</p>																													
01	CLR	NC	10.00		79	70	73	74	8	21	29.96	30.04	01	CLR	NC	6.00	BR	74	71	72	91	5	21	29.85	29.94				
04	FEW	NC	10.00		78	71	73	79	6	21	29.97	30.05	04	CLR	NC	3.00	BR	72	71	71	97	3	17	29.85	29.93				
07	CLR	NC	6.00	HZ	79	73	75	82	6	21	29.99	30.07	07	CLR	NC	4.00	BR	75	72	73	90	9	28	29.89	29.98				
10	CLR	NC	8.00		88	73	77	61	12	23	29.99	30.07	10	CLR	NC	9.00		86	69	74	57	3	VR	29.89	29.98				
13	CLR	NC	8.00		92	71	77	51	8	23	29.96	30.05	13	CLR	NC	10.00		91	68	75	47	13	29	29.87	29.96				
16	FEW	NC	9.00		91	69	76	49	20	32	29.93	30.01	16	CLR	NC	8.00		91	68	75	47	13	29	29.86	29.94				
19	BKN	070	10.00		83	67	72	59	5	28	29.96	30.04	19	CLR	NC	9.00		86	69	74	57	6	25	29.87	29.96				
22	BKN	120	10.00	VCTS	82	69	73	65	9	20	30.01	30.09	22	CLR	NC	7.00		81	73	75	77	3	23	29.90	29.98				
<p>SUNRISE: 0506 AUG 06 SUNSET: 1911</p>																													
01	SCT	NC	8.00		76	70	72	82	5	25	30.02	30.10	01	CLR	NC	6.00	HZ	79	72	74	79	0	00	29.91	29.99				
04	SCT	NC	7.00		76	72	73	88	6	33	30.00	30.08	04	CLR	NC	5.00	BR	74	71	72	91	3	33	29.90	29.99				
07	FEW	NC	10.00		76	59	66	56	5	01	30.06	30.15	07	CLR	NC	4.00	HZ	79	73	75	82	0	00	29.93	30.01				
10	CLR	NC	10.00		82	61	69	49	6	VR	30.06	30.15	10	CLR	NC	6.00	HZ	87	75	78	67	3	VR	29.92	30.01				
13	CLR	NC	10.00		84	61	69	46	3	VR	30.04	30.12	13	FEW	NC	8.00		91	73	78	56	6	VR	29.89	29.97				
16	FEW	NC	10.00		86	63	71	46	9	13	30.01	30.09	16	FEW	NC	8.00		93	71	78	49	15	16	29.85	29.93				
19	CLR	NC	10.00		81	63	69	54	0	00	30.01	30.09	19	CLR	NC	6.00	HZ	87	72	77	61	8	21	29.84	29.92				
22	FEW	NC	10.00		77	71	73	82	5	17	30.05	30.13	22	CLR	NC	8.00		83	72	75	70	10	20	29.87	29.96				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

AUGUST 2005

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 Otkas	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 Otkas	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0513					AUG 13				SUNSET: 1902				SUNRISE: 0518					AUG 19				SUNSET: 1853							
01	CLR	NC	6.00	BR	79	75	76	88	5	22	29.86	29.95	01	SCT	NC	9.00		73	70	71	90	0	00	29.99	30.07				
04	CLR	NC	6.00	BR	78	75	76	90	3	18	29.84	29.93	04	CLR	NC	6.00	BR	73	71	72	94	6	11	29.97	30.05				
07	CLR	NC	5.00	BR	79	75	76	88	5	22	29.86	29.94	07	OVC	065	4.00	-RA BR	74	72	73	94	5	VR	30.00	30.08				
10	CLR	NC	6.00	HZ	88	76	79	68	5	20	29.87	29.96	10	BKN	070	10.00		76	70	72	82	7	16	30.00	30.09				
13	CLR	NC	6.00	HZ	94	75	80	54	13	15	29.83	29.91	13	OVC	075	10.00	-RA	72	64	67	76	5	05	30.00	30.09				
16	CLR	NC	7.00		94	71	78	48	13	19	29.78	29.87	16	BKN	048	10.00		74	65	68	74	12	15	29.97	30.06				
19	CLR	NC	6.00	HZ	88	72	77	59	7	22	29.80	29.88	19	OVC	048	10.00		72	63	66	73	10	10	29.96	30.05				
22	CLR	NC	6.00	HZ	83	75	77	77	10	21	29.84	29.92	22	OVC	065	10.00		72	64	67	76	3	09	29.96	30.05				
SUNRISE: 0514					AUG 14				SUNSET: 1859				SUNRISE: 0519					AUG 20				SUNSET: 1851							
01	CLR	NC	6.00	BR	80	76	77	87	6	19	29.82	29.91	01	OVC	024	10.00		72	67	69	84	0	00	29.94	30.03				
04	CLR	NC	6.00	BR	78	76	77	93	3	21	29.83	29.91	04	OVC	018	10.00		71	68	69	90	3	01	29.92	30.01				
07	CLR	NC	6.00	BR	79	76	77	90	5	19	29.85	29.94	07	OVC	015	10.00		73	69	70	87	0	00	29.95	30.04				
10	CLR	NC	5.00	HZ	87	76	79	70	3	VR	29.85	29.94	10	OVC	021	10.00		77	71	73	82	6	19	29.96	30.04				
13	FEW	NC	7.00	HZ	94	74	80	52	15	19	29.82	29.91	13	OVC	028	8.00		82	73	76	74	3	19	29.93	30.01				
16	CLR	NC	8.00	HZ	94	70	77	46	15	21	29.79	29.88	16	FEW	NC	9.00		84	74	77	72	10	17	29.86	29.95				
19	CLR	NC	5.00	HZ	88	75	79	66	12	21	29.82	29.91	19	CLR	NC	9.00		80	76	77	87	7	14	29.86	29.95				
22	CLR	NC	6.00	HZ	84	76	78	77	8	20	29.83	29.92	22	CLR	NC	10.00		78	76	77	93	6	16	29.86	29.94				
SUNRISE: 0515					AUG 15				SUNSET: 1858				SUNRISE: 0520					AUG 21				SUNSET: 1850							
01	FEW	NC	9.00	HZ	75	73	74	94	5	18	29.88	29.96	01	CLR	NC	6.00	BR	76	74	75	94	0	00	29.82	29.91				
04	OVC	065	6.00	HZ	73	72	72	96	0	00	29.89	29.98	04	OVC	003	3.00	BR	76	75	75	97	8	19	29.79	29.87				
07	SCT	NC	6.00	HZ	75	72	73	90	5	34	29.95	30.03	07	OVC	003	2.50	BR	78	76	77	93	6	24	29.80	29.88				
10	OVC	039	10.00	HZ	79	68	72	69	8	02	29.98	30.06	10	CLR	NC	10.00		87	73	77	63	12	30	29.80	29.88				
13	BKN	050	10.00	HZ	85	68	74	57	6	VR	29.96	30.04	13	SCT	NC	10.00		90	70	76	52	14	26	29.78	29.87				
16	CLR	NC	10.00		84	66	72	55	12	30	29.96	30.05	16	CLR	NC	10.00		91	66	74	44	10	27	29.74	29.83				
19	CLR	NC	10.00		79	65	70	62	8	01	29.99	30.07	19	CLR	NC	10.00		84	63	70	49	12	27	29.75	29.83				
22	FEW	NC	10.00		74	68	70	82	12	08	30.03	30.11	22	CLR	NC	10.00		73	62	66	69	6	29	29.77	29.85				
SUNRISE: 0516					AUG 16				SUNSET: 1857				SUNRISE: 0521					AUG 22				SUNSET: 1848							
01	CLR	NC	10.00		72	67	69	84	9	07	30.03	30.11	01	CLR	NC	10.00		72	60	65	66	7	27	29.77	29.85				
04	CLR	NC	10.00		71	67	68	87	5	10	30.02	30.10	04	CLR	NC	10.00		66	59	62	78	6	29	29.77	29.85				
07	BKN	110	10.00		73	67	69	81	10	07	30.02	30.11	07	CLR	NC	10.00		71	61	65	71	5	30	29.77	29.86				
10	OVC	080	10.00	-RA	74	67	69	79	6	11	30.04	30.13	10	CLR	NC	10.00		82	61	69	49	8	28	29.79	29.87				
13	OVC	060	10.00		72	67	69	84	6	08	29.99	30.08	13	CLR	NC	10.00		86	55	67	35	14	29	29.79	29.87				
16	OVC	038	3.00	-RA	71	67	68	87	7	10	29.94	30.03	16	SCT	NC	10.00		85	57	68	39	13	31	29.77	29.86				
19	OVC	006	3.00	-RA	71	69	70	94	5	05	29.94	30.03	19	CLR	NC	10.00		76	57	64	52	7	29	29.77	29.86				
22	OVC	023	3.00	-RA	68	67	67	96	7	04	29.95	30.04	22	CLR	NC	10.00		68	59	63	73	7	32	29.82	29.91				
SUNRISE: 0517					AUG 17				SUNSET: 1855				SUNRISE: 0522					AUG 23				SUNSET: 1847							
01	OVC	005	3.00		69	67	68	93	5	35	29.93	30.01	01	CLR	NC	10.00		67	56	61	68	7	35	29.88	29.96				
04	CLR	NC	3.00		67	66	66	97	7	32	29.90	29.99	04	SCT	NC	10.00		61	57	59	87	6	32	29.88	29.97				
07	SCT	NC	3.00		66	64	65	93	8	32	29.93	30.02	07	CLR	NC	10.00		68	56	61	66	7	35	29.92	30.01				
10	CLR	NC	10.00		78	65	70	64	7	36	29.93	30.02	10	CLR	NC	10.00		78	54	64	43	5	VR	29.94	30.02				
13	FEW	NC	10.00		85	60	69	43	9	32	29.91	29.99	13	BKN	080	10.00		80	55	65	42	6	28	29.92	30.01				
16	SCT	NC	10.00		83	61	69	48	12	30	29.88	29.97	16	CLR	NC	10.00		81	56	66	42	5	VR	29.90	29.98				
19	CLR	NC	10.00		78	61	67	56	6	28	29.89	29.97	19	FEW	NC	10.00		75	56	64	52	5	35	29.91	30.00				
22	CLR	NC	10.00		73	64	67	74	7	25	29.92	30.01	22	CLR	NC	10.00		66	60	62	81	6	31	29.95	30.03				
SUNRISE: 0518					AUG 18				SUNSET: 1854				SUNRISE: 0523					AUG 24				SUNSET: 1845							
01	CLR	NC	10.00		69	63	65	81	0	00	29.94	30.02	01	CLR	NC	10.00		63	56	59	78	3	30	29.96	30.05				
04	CLR	NC	10.00		66	61	63	84	5	33	29.95	30.03	04	FEW	NC	10.00		60	55	57	84	7	33	29.96	30.04				
07	CLR	NC	10.00		72	59	64	64	7	03	29.98	30.07	07	FEW	NC	10.00		67	55	60	66	12	36	30.01	30.09				
10	CLR	NC	10.00		78	62	68	58	10	08	30.01	30.09	10	CLR	NC	10.00		77	51	62	40	13	35	30.03	30.12				
13	CLR	NC	10.00		83	66	72	57	8	16	29.98	30.06	13	FEW	NC	10.00		82	52	64	35	6	VR	30.02	30.11				
16	CLR	NC	10.00		84	66	72	55	14	13	29.94	30.03	16	FEW	NC	10.00		81	48	62	32	7	VR	30.02	30.11				
19	CLR	NC	10.00		79	68	72	69	12	14	29.95	30.03	19	CLR	NC	10.00		73	48	59	41	8	02	30.07	30.15				
22	CLR	NC	10.00		74	70	71	88	7	09	29.97	30.05	22	CLR	NC	10.00		64	52	57	65	6	31	30.12	30.20				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

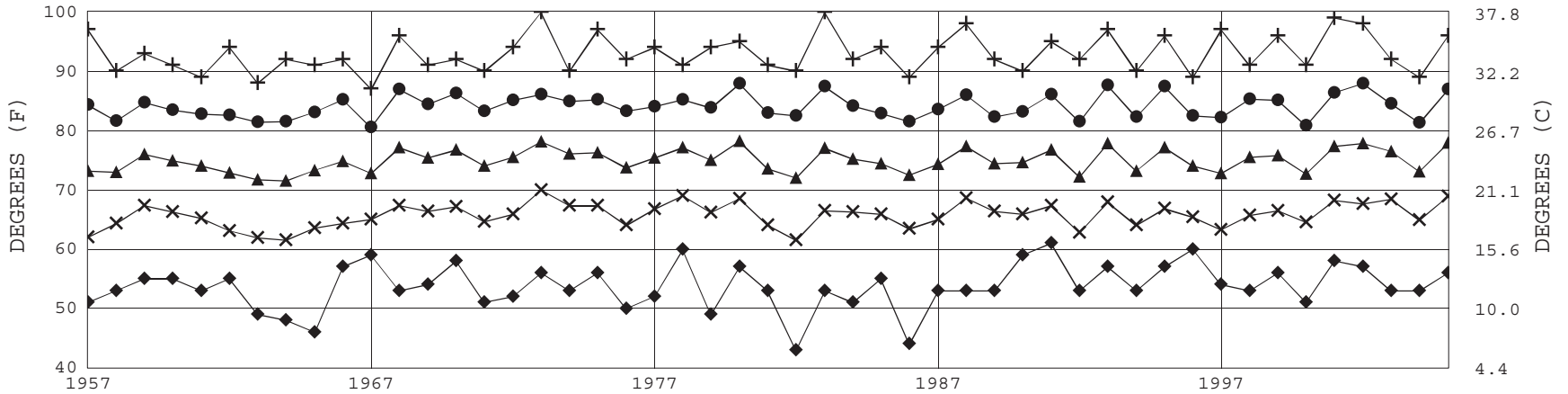
AUGUST 2005

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL										
SUNRISE: 0524								AUG 25								SUNSET: 1844															
01	CLR	NC				10.00		61	53	57	75	3	32	30.12	30.21	01	OVC	010				10.00		78	75	76	90	17	15	29.61	29.70
04	CLR	NC				10.00		57	52	54	83	6	31	30.13	30.22	04	OVC	013				10.00		79	76	77	90	16	16	29.54	29.62
07	CLR	NC				10.00		65	54	59	68	8	36	30.17	30.26	07	SCT	NC				10.00		80	75	77	85	17	17	29.52	29.60
10	CLR	NC				10.00		75	54	63	48	8	07	30.19	30.27	10	OVC	036				10.00		83	73	76	72	18	22	29.49	29.58
13	SCT	NC				10.00		79	53	64	41	5	VR	30.15	30.23	13	OVC	039				10.00		85	70	75	61	15	21	29.46	29.54
16	CLR	NC				10.00		80	52	64	38	7	12	30.10	30.19	16	OVC	070				10.00		85	70	75	61	14	21	29.44	29.53
19	CLR	NC				10.00		76	54	63	47	5	23	30.09	30.17	19	OVC	060				10.00		81	69	73	67	17	26	29.50	29.58
22	CLR	NC				10.00		70	61	64	73	8	13	30.11	30.19	22	CLR	NC				10.00		72	63	66	73	16	30	29.63	29.72
SUNRISE: 0525								AUG 26								SUNSET: 1842															
01	CLR	NC				10.00		68	59	63	73	0	00	30.10	30.19	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.															
04	CLR	NC				10.00		64	59	61	84	0	00	30.08	30.17																
07	CLR	NC				10.00		66	62	64	87	0	00	30.08	30.17																
10	CLR	NC				10.00		77	64	69	64	6	19	30.06	30.15																
13	CLR	NC				10.00		80	55	65	42	9	15	30.03	30.12																
16	CLR	NC				10.00		80	50	63	35	12	14	30.00	30.09																
19	CLR	NC				10.00		74	62	67	67	10	18	29.98	30.07																
22	CLR	NC				10.00		72	60	65	66	7	18	29.99	30.08																
SUNRISE: 0526								AUG 27								SUNSET: 1841															
01	FEW	NC				10.00		70	63	66	79	0	00	29.96	30.05	SUMMARY BY HOUR AVERAGES RESULTANT WIND (MPH) SPEED DIRECTION															
04	FEW	NC				10.00		69	63	65	81	5	07	29.94	30.02																
07	FEW	NC				10.00		71	65	67	81	7	12	29.95	30.03																
10	CLR	NC				10.00		80	65	70	60	15	16	29.94	30.02																
13	OVC	036				9.00	-RA	72	69	70	91	13	15	29.95	30.03																
16	OVC	075				10.00		75	68	70	79	6	17	29.91	30.00																
19	OVC	080				10.00		74	67	69	79	5	12	29.90	29.99																
22	SCT	NC				10.00		73	69	70	87	8	12	29.90	29.98																
SUNRISE: 0527								AUG 28								SUNSET: 1839															
01	OVC	075				10.00		73	69	70	87	7	16	29.88	29.97	01	73	68	70	85	29.93	30.02	8.61	4	1	20					
04	OVC	060				10.00		74	69	71	85	7	13	29.84	29.93	02	72	68	70	86	29.92	30.01	8.73	4	1	15					
07	OVC	050				10.00		73	70	71	90	6	17	29.89	29.98	03	72	68	69	88	29.92	30.01	8.23	4	0	0					
10	OVC	034				10.00		74	68	70	82	7	16	29.90	29.99	04	71	68	69	89	29.92	30.01	7.77	5	0	0					
13	OVC	030				10.00	-RA	74	70	71	88	8	25	29.88	29.96	05	71	67	69	88	29.93	30.01	7.79	4	1	1					
16	BKN	043				10.00		80	69	73	69	6	29	29.86	29.94	06	72	67	69	86	29.94	30.02	6.87	5	0	0					
19	CLR	NC				10.00		78	69	72	74	3	35	29.87	29.95	07	74	68	70	83	29.95	30.03	7.24	5	1	34					
22	CLR	NC				10.00		75	71	72	88	0	00	29.89	29.98	08	76	68	71	76	29.95	30.04	8.13	6	0	0					
SUNRISE: 0528								AUG 29								SUNSET: 1838															
01	CLR	NC				7.00		69	68	68	96	3	34	29.90	29.99	09	79	68	72	70	29.95	30.04	8.45	6	0	0					
04	CLR	NC				4.00	BR	68	67	67	96	0	00	29.90	29.98	10	81	68	72	66	29.95	30.04	9.13	6	1	14					
07	CLR	NC				2.00	BR	72	70	71	94	5	07	29.93	30.01	11	82	67	72	62	29.95	30.03	8.94	7	1	23					
10	CLR	NC				10.00		81	70	74	69	5	10	29.92	30.01	12	83	67	73	60	29.93	30.02	9.26	7	3	21					
13	CLR	NC				10.00		84	70	74	63	6	15	29.90	29.98	13	84	66	72	57	29.93	30.01	9.26	7	3	21					
16	CLR	NC				10.00		84	66	72	55	15	15	29.87	29.95	14	84	66	72	56	29.91	30.00	9.13	10	3	21					
19	CLR	NC				10.00		78	72	74	82	10	17	29.87	29.96	15	85	66	72	55	29.90	29.99	9.61	10	4	24					
22	CLR	NC				10.00		76	72	73	88	7	12	29.86	29.95	16	84	66	72	55	29.89	29.98	9.35	10	3	20					
SUNRISE: 0529								AUG 30								SUNSET: 1836															
01	BKN	008				10.00		76	74	75	94	3	16	29.84	29.93	17	83	66	72	58	29.89	29.98	9.26	10	3	21					
04	OVC	007				10.00		75	73	74	94	5	19	29.82	29.91	18	82	66	72	61	29.89	29.98	9.19	9	2	21					
07	OVC	005				10.00		75	73	74	94	5	21	29.84	29.93	19	80	67	71	66	29.90	29.99	9.13	7	3	21					
10	BKN	018				10.00		79	74	75	85	5	15	29.84	29.92	20	78	67	71	71	29.91	30.00	9.35	7	2	16					
13	SCT	NC				10.00		83	73	76	72	9	13	29.80	29.89	21	76	68	71	75	29.92	30.01	9.13	7	2	18					
16	OVC	060				10.00		80	75	77	85	10	13	29.75	29.83	22	75	68	70	79	29.92	30.01	9.23	6	2	19					
19	OVC	010				10.00		78	75	76	90	12	13	29.72	29.80	23	74	68	70	80	29.92	30.01	9.32	7	2	20					
22	OVC	010				10.00		78	75	76	90	15	14	29.69	29.77	24	73	68	70	83	29.92	30.01	8.94	5	1	18					

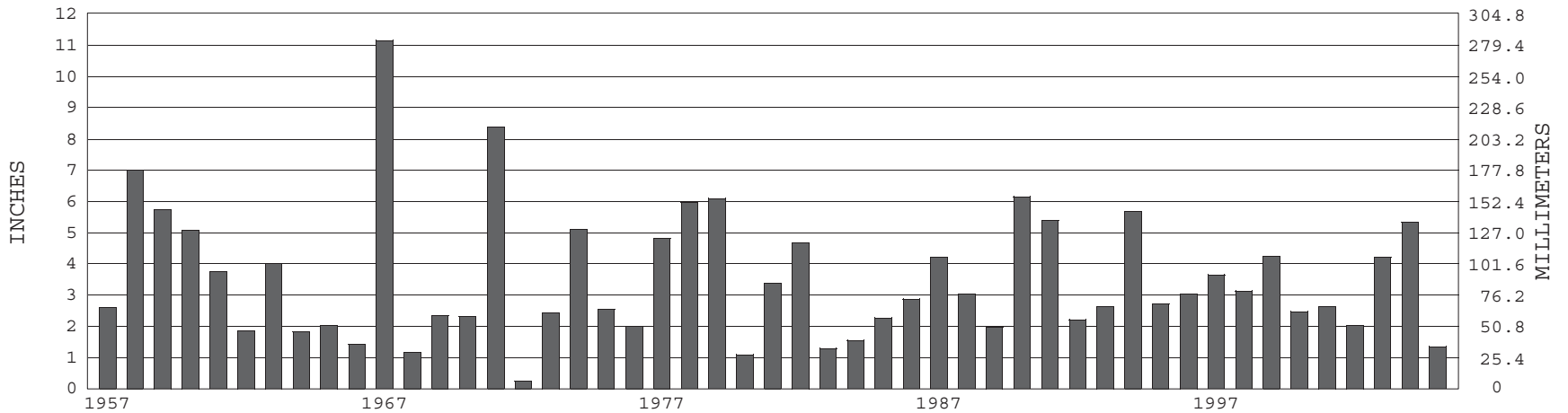
WILMINGTON, DE AUGUST TEMPERATURES



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

Long-Term (1957-2005) Mean: 74.9 1971-2000 Normal: 75.0

WILMINGTON, DE AUGUST PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.54

1971-2000 Normal: 3.51



AUGUST 2005

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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