



AUGUST 1999

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY APRT (ILG)
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 74 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

AUGUST 1999
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																																	
																			SPEED	DIR	SPEED	DIR																																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																															
01	96*	77	87*	10	72	76	0	22	RA BR HZ				T	29.69	29.77	7.3	29	8.8	24	30	20	29	01																															
02	92	68	80	3	57	66	0	15				0.00	29.86	29.94	8.4	33	9.7	21	35	17	29	02																																
03	90	68	79	2	58	66	0	14				0.00	29.97	30.06	4.5	01	8.5	24	15	21	15	03																																
04	87	65	76	0	66	70	0	11	RA BR			T	29.87	29.95	7.7	15	8.2	26	15	21	16	04																																
05	90	67	79	3	62	68	0	14	TS RA			T	29.73	29.81	4.4	26	6.1	21	30	18	31	05																																
06	89	63	76	0	56	65	0	11				0.00	29.82	29.90	6.7	26	7.7	26	27	20	27	06																																
07	87	67	77	1	61	67	0	12				0.00	29.90	29.99	1.5	18	8.4	21	16	18	14	07																																
08	85	74	80	4	70	73	0	15	RA BR HZ			0.03	29.68	29.76	6.4	24	8.4	25	22	22	23	08																																
09	82	62	72	-4	50	60	0	7				0.00	29.75	29.84	7.6	33	9.0	22	32	17	36	09																																
10	83	56*	70	-6	52	60	0	5	RA			T	29.78	29.87	3.2	13	7.6	21	23	18	23	10																																
11	89	70	80	4	68	72	0	15				0.00	29.73	29.81	6.0	17	7.8	18	16	15	15	11																																
12	90	68	79	3	69	73	0	14	BR HZ			0.00	29.85	29.93	3.9	14	8.3	20	16	16	16	12																																
13	92	74	83	7	75	77	0	18	RA BR HZ			T	29.79	29.87	11.6	15	11.8	26	17	23	15	13																																
14	91	72	82	7	72	74	0	17	TSRA RA BR HZ SQ			0.26	29.72	29.80	4.1	16	9.8	44*	29	23	36	14																																
15	85	71	78	3	67	71	0	13	RA BR HZ			0.01	29.92	30.00	7.2	33	7.8	16	32	14	33	15																																
16	86	72	79	4	50	62	0	14				0.00	30.09	30.18	5.3	14	6.6	17	15	16	16	16																																
17	94	70	82	7	63	70	0	17	FG BR HZ			0.00	29.88	29.96	7.8	20	8.4	24	16	18	20	17																																
18	91	68	80	5	63	69	0	15	BR HZ			0.00	29.76	29.84	6.8	32	7.5	22	29	18	29	18																																
19	86	64	75	0	62	67	0	10				0.00	29.89	29.98	5.3	08	8.5	30	10	23	10	19																																
20	74	63	69	-6	66	67	0	4	RA FG BR			1.79	29.91	29.99	13.0	06	14.0	31	04	25	04	20																																
21	72	63	68	-6	60	62	0	3	BR			0.00	29.91	30.00	8.6	01	9.0	17	01	14	33	21																																
22	77	61	69	-5	57	62	0	4				0.00	29.95	30.03	5.3	33	6.2	18	31	15	32	22																																
23	84	57	71	-3	59	64	0	6	BR			0.00	29.98	30.06	2.7	19	5.7	16	15	14	16	23																																
24	79	67	73	-1	64	67	0	8	RA BR HZ			0.07	30.01	30.09	4.7	16	6.0	16	14	14	14	24																																
25	83	64	74	0	66	68	0	9	RA BR			0.45	29.94	30.03	8.1	10	9.3	21	16	18	15	25																																
26	84	70	77	3	71	73	0	12	TS TSRA RA BR			1.55	29.78	29.87	1.7	14	6.1	38	25	28	25	26																																
27	82	70	76	3			0	11	RA BR			0.08	29.81		2.9	27	4.2	38	25	28*	25	27																																
28	87	66	77	4	67	70	0	12	BR HZ			0.00	29.83	29.91	5.6	26	6.7	17	29	15	29	28																																
29	88	65	77	4	61	67	0	12	BR HZ			0.00	29.83	29.91	7.9	30	10.2	28	01	21	36	29																																
30	70	58	64*	-9	47	55	1	0				0.00	30.04	30.12	15.6	02	15.8	32	02	24	02	30																																
31	74	60	67	-6	52	59	0	2				0.00	30.10	30.18	11.2	03	12.1	28	02	23	03	31																																
											85.1		66.5	75.8	■ ■	0.0		11.0	< MONTHLY AVERAGES		TOTALS-->		4.24		29.86	0.6		03	8.5	<- MONTHLY AVERAGES																								
											1.0	0.6	0.8	■ ■	←----- DEPARTURE FROM NORMAL ----->											0.84	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																											
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.95 DATE: 25-26											SEA LEVEL PRESSURE DATE TIME																																
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE: DATE:											MAXIMUM : 30.24 16 1051																																
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH: DATE: DATE:											MINIMUM : 29.67 08 1751																																
HEATING: 1 1 1 1											NUMBER OF DAYS WITH →											MAXIMUM TEMP ≥ 90: 9											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH: 8										
COOLING: 342 32 1069 163																						MAXIMUM TEMP ≤ 32: 0											MINIMUM TEMP ≤ 0: 0											PRECIPITATION ≥ 0.10 INCH: 4										
																						THUNDERSTORMS: 3											HEAVY FOG: 0											SNOWFALL ≥ 1.0 INCH: :										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

AUGUST 1999

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			T										01												01			T	
02													02												02			0.00	
03													03												03			0.00	
04					T								04												04			T	
05													05		T										05			T	
06													06												06			0.00	
07													07												07			0.00	
08					T								08												08			0.03	
09										T	0.01	0.02	09												09			0.00	
10													10				T								10			T	
11													11												11			0.00	
12													12												12			0.00	
13													13			T		T							13			T	
14							T						14												14			0.26	
15											0.01		15												15			0.01	
16													16												16			0.00	
17													17												17			0.00	
18													18												18			0.00	
19													19												19			0.00	
20													20												20			1.79	
21													21												21			0.00	
22													22												22			0.00	
23													23												23			0.00	
24													24												24			0.07	
25													25												25			0.45	
26	0.59	0.12	0.17	0.30	T								26												26			1.55	
27													27												27			0.08	
28													28												28	0.07		0.00	
29													29												29			0.00	
30													30												30			0.00	
31													31												31			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)												
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 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 1961–1990

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 1999

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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

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							10.00	10.00	
03							10.00	10.00	
04							5.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							2.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							7.00	10.00	
12							4.00	10.00	
13							1.50	10.00	
14							4.00	10.00	
15							4.00	10.00	
16							7.00	10.00	
17							.50	10.00	
18							1.00	10.00	
19							10.00	10.00	
20							1.00	10.00	
21							6.00	10.00	
22							10.00	10.00	
23							4.00	10.00	
24							2.50	10.00	
25							4.00	10.00	
26							1.50	10.00	
27							2.00	10.00	
28							2.00	10.00	
29							2.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.61	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			
0			10			13			

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

AUGUST 1999

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0512					AUG 13			SUNSET: 1903					SUNRISE: 0518					AUG 19			SUNSET: 1853				
01	OVC	005	7.00		77	75	76	94	7	14	29.85	29.94	01	CLR	NC	10.00		68	59	63	73	8	36	29.83	29.91
04	SCT	NC	5.00	BR	74	72	73	94	0	00	29.86	29.95	04	CLR	NC	10.00		66	59	62	78	5	36	29.84	29.93
07	OVC	002	1.50	BR	75	74	74	96	9	16	29.87	29.95	07	CLR	NC	10.00		70	60	64	71	7	35	29.89	29.97
10	CLR	NC	3.00	HZ	83	76	78	79	10	12	29.85	29.94	10	CLR	NC	10.00		78	62	68	58	9	04	29.91	30.00
13	FEW	NC	5.00	HZ	86	75	78	70	18	14	29.79	29.87	13	FEW	NC	10.00		83	61	69	48	8	10	29.88	29.97
16	SCT	NC	5.00	HZ	89	77	80	68	15	15	29.74	29.82	16	FEW	NC	10.00		84	60	69	44	7	13	29.87	29.96
19	CLR	NC	5.00	HZ	86	73	77	65	14	17	29.69	29.78	19	CLR	NC	10.00		75	66	69	74	13	10	29.91	30.00
22	CLR	NC	10.00		82	76	78	82	14	17	29.70	29.79	22	CLR	NC	10.00		71	67	68	87	10	09	29.94	30.03
SUNRISE: 0513					AUG 14			SUNSET: 1901					SUNRISE: 0519					AUG 20			SUNSET: 1852				
01	OVC	016	10.00		81	76	77	85	10	20	29.68	29.77	01	CLR	NC	10.00		70	67	68	90	8	09	29.93	30.01
04	CLR	NC	10.00		75	71	72	88	9	06	29.66	29.75	04	BKN	037	10.00		70	67	68	90	13	06	29.90	29.98
07	SCT	NC	5.00	BR	77	74	75	90	6	17	29.72	29.80	07	OVC	010	8.00		71	68	69	90	12	08	29.92	30.01
10	FEW	NC	10.00		85	71	75	63	14	18	29.73	29.81	10	OVC	026	10.00		72	69	70	91	13	08	29.91	30.00
13	SCT	NC	7.00		88	74	78	63	12	14	29.71	29.79	13	OVC	024	1.50	+RA	68	66	67	93	13	03	29.91	30.00
16	BKN	040	8.00	TSRA SQ	77	67	70	71	26	30	29.69	29.78	16	OVC	016	10.00		70	67	68	90	14	03	29.88	29.97
19	FEW	NC	9.00		74	71	72	91	6	04	29.70	29.79	19	OVC	014	10.00		68	64	66	87	24	05	29.89	29.98
22	OVC	031	7.00		72	70	71	94	7	30	29.81	29.89	22	OVC	012	10.00		66	61	63	84	18	04	29.90	29.99
SUNRISE: 0514					AUG 15			SUNSET: 1859					SUNRISE: 0520					AUG 21			SUNSET: 1850				
01	SCT	NC	5.00	BR	72	70	71	94	8	32	29.79	29.88	01	OVC	008	10.00		63	62	62	97	9	02	29.88	29.96
04	OVC	014	4.00	BR	72	70	71	94	8	33	29.80	29.89	04	OVC	008	10.00		63	61	62	93	9	02	29.88	29.96
07	BKN	080	6.00	BR	72	68	69	87	6	32	29.88	29.97	07	OVC	006	6.00	BR	63	61	62	93	7	01	29.92	30.01
10	BKN	026	5.00	HZ	79	70	73	74	8	34	29.92	30.01	10	OVC	008	10.00		64	60	62	87	10	01	29.93	30.02
13	BKN	040	10.00		80	67	71	64	7	32	29.93	30.01	13	OVC	014	10.00		67	60	63	79	7	02	29.92	30.01
16	FEW	NC	10.00		84	65	71	53	7	01	29.93	30.02	16	OVC	022	10.00		70	60	64	71	10	34	29.90	29.99
19	CLR	NC	10.00		78	66	70	67	10	30	29.97	30.06	19	OVC	024	10.00		67	59	62	76	12	36	29.91	30.00
22	FEW	NC	10.00		74	64	68	71	7	32	30.03	30.12	22	OVC	026	10.00		65	58	61	78	8	03	29.92	30.01
SUNRISE: 0515					AUG 16			SUNSET: 1857					SUNRISE: 0521					AUG 22			SUNSET: 1849				
01	OVC	070	9.00		73	69	70	87	6	09	30.06	30.15	01	OVC	030	10.00		65	58	61	78	5	35	29.92	30.01
04	OVC	024	8.00		72	68	69	87	5	09	30.07	30.15	04	OVC	028	10.00		64	59	61	84	6	32	29.93	30.02
07	OVC	015	7.00		73	49	60	43	6	08	30.12	30.21	07	CLR	NC	10.00		65	59	61	81	3	27	29.97	30.05
10	SCT	NC	10.00		78	46	60	32	9	15	30.15	30.24	10	CLR	NC	10.00		73	57	63	57	8	32	29.95	30.03
13	OVC	040	10.00		82	46	62	28	7	14	30.11	30.20	13	OVC	060	10.00		75	55	63	50	13	31	29.93	30.01
16	CLR	NC	10.00		85	47	63	27	8	17	30.07	30.15	16	OVC	070	10.00		76	55	63	48	10	34	29.93	30.01
19	CLR	NC	10.00		78	44	59	30	12	14	30.06	30.14	19	CLR	NC	10.00		71	55	62	57	3	05	29.94	30.03
22	CLR	NC	10.00		75	43	58	32	7	18	30.06	30.14	22	FEW	NC	10.00		66	58	61	75	0	00	29.97	30.06
SUNRISE: 0516					AUG 17			SUNSET: 1856					SUNRISE: 0522					AUG 23			SUNSET: 1848				
01	CLR	NC	6.00	HZ	71	40	55	32	6	19	30.04	30.13	01	CLR	NC	10.00		60	57	58	90	0	00	29.98	30.06
04	OVC	003	1.25	HZ	71	40	55	32	7	20	30.01	30.09	04	CLR	NC	8.00		57	56	56	96	5	29	29.98	30.07
07	OVC	001	1.50	BR	73	72	72	96	6	18	29.98	30.07	07	CLR	NC	5.00	BR	63	59	61	87	3	31	30.01	30.10
10	OVC	018	4.00	HZ	81	72	75	74	9	21	29.94	30.02	10	CLR	NC	10.00		78	57	65	48	0	00	30.01	30.10
13	SCT	NC	5.00	HZ	88	71	76	57	13	14	29.84	29.93	13	CLR	NC	10.00		82	57	67	43	7	VR	29.96	30.05
16	CLR	NC	8.00		93	63	73	37	16	20	29.79	29.87	16	FEW	NC	10.00		84	59	68	43	13	14	29.93	30.02
19	CLR	NC	7.00		87	65	72	48	9	20	29.76	29.84	19	CLR	NC	10.00		76	65	69	69	9	17	29.94	30.03
22	CLR	NC	6.00	HZ	81	71	74	72	3	26	29.76	29.85	22	CLR	NC	10.00		71	62	66	73	5	19	29.98	30.07
SUNRISE: 0517					AUG 18			SUNSET: 1855					SUNRISE: 0523					AUG 24			SUNSET: 1846				
01	CLR	NC	5.00	HZ	76	71	73	85	0	00	29.72	29.80	01	CLR	NC	9.00		69	62	65	78	0	00	29.98	30.06
04	CLR	NC	2.00	BR	73	72	72	96	0	00	29.73	29.81	04	CLR	NC	10.00		69	61	64	76	0	00	29.96	30.05
07	CLR	NC	2.50	HZ	74	68	70	82	7	31	29.76	29.84	07	OVC	007	4.00	-RA	68	65	66	90	5	18	30.02	30.11
10	CLR	NC	10.00		86	64	72	48	8	36	29.76	29.84	10	SCT	NC	6.00	HZ	73	67	69	81	8	24	30.04	30.13
13	SCT	NC	10.00		88	60	70	39	10	31	29.73	29.81	13	OVC	055	7.00		75	64	68	69	8	20	30.02	30.11
16	CLR	NC	10.00		87	59	69	39	8	33	29.72	29.81	16	FEW	NC	10.00		77	61	67	58	10	15	30.00	30.08
19	CLR	NC	10.00		81	59	67	47	9	33	29.76	29.85	19	CLR	NC	10.00		74	61	66	64	10	13	29.99	30.08
22	CLR	NC	10.00		72	59	64	64	7	32	29.82	29.91	22	CLR	NC	10.00		70	64	66	82	8	13	30.00	30.09

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

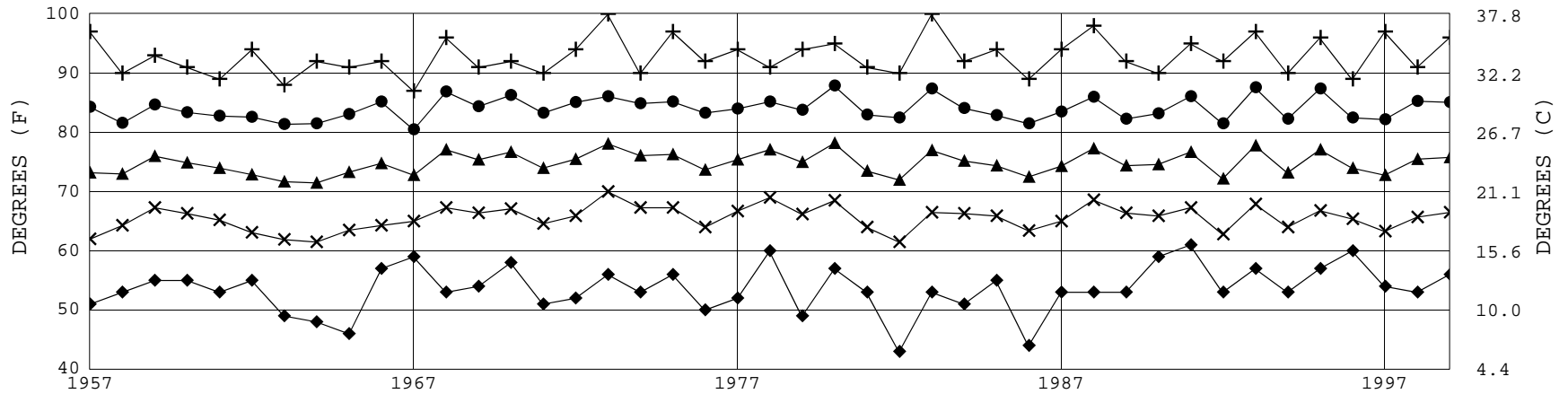
AUGUST 1999

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okltas		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 Okltas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION
SUNRISE: 0524							AUG 25		SUNSET: 1845							SUNRISE: 0529							AUG 31		SUNSET: 1836						
01	CLR	NC			10.00		68	64	66	87	6	12	30.01	30.10	01	CLR	NC			10.00		64	50	56	61	13	01	30.09	30.18		
04	CLR	NC			8.00		65	63	64	93	0	00	29.99	30.08	04	CLR	NC			10.00		62	51	56	67	7	34	30.08	30.17		
07	CLR	NC			10.00		71	65	67	81	8	10	29.99	30.08	07	CLR	NC			10.00		61	50	55	67	10	35	30.12	30.21		
10	FEW	NC			10.00		79	66	71	65	10	12	29.99	30.07	10	CLR	NC			10.00		70	52	60	53	15	03	30.13	30.22		
13	BKN	065			10.00		81	65	71	58	12	13	29.94	30.03	13	CLR	NC			10.00		72	53	61	52	17	05	30.12	30.21		
16	CLR	NC			10.00		76	66	70	72	14	13	29.91	30.00	16	CLR	NC			10.00		72	51	60	48	10	07	30.09	30.18		
19	OVC	046			10.00	-RA	70	66	67	87	13	08	29.88	29.97	19	CLR	NC			10.00		70	52	60	53	10	05	30.06	30.15		
22	OVC	009			6.00	-RA BR	70	69	69	97	13	06	29.86	29.95	22	CLR	NC			10.00		66	54	59	65	7	05	30.07	30.15		
SUNRISE: 0524							AUG 26		SUNSET: 1843							3-HOURLY OBSERVATION NOTES															
01	OVC	008			10.00	TS	72	70	71	94	10	12	29.81	29.89	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.																
04	BKN	035			10.00	-RA	71	70	70	96	0	00	29.77	29.86	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
07	OVC	018			10.00		72	71	71	97	3	35	29.80	29.88	NC= No ceiling detected.																
10	OVC	031			10.00		77	72	74	85	7	VR	29.82	29.91	& = Original observation contained additional weather elements.																
13	BKN	041			10.00		81	71	74	72	5	VR	29.78	29.86	See page 3 for additional notes.																
16	SCT	NC			10.00		83	71	75	67	9	14	29.75	29.83																	
19	BKN	043			9.00		78	73	75	85	7	13	29.74	29.83																	
22													29.78																		
SUNRISE: 0525							AUG 27		SUNSET: 1842																						
01	BKN	065			10.00						5	30	29.76																		
04	BKN	065			8.00						3	30	29.78																		
07	BKN	060			2.00	BR					0	00	29.80																		
10	OVC	017			9.00		74	68	70	82	5	30	29.83																		
13	BKN	035			8.00		79	68	72	69	0	00	29.82																		
16	BKN	042			8.00		82	68	73	63	0	00	29.78																		
19	BKN	110			10.00		74	65	68	74	14	29	29.81																		
22	CLR	NC			4.00	BR	71	69	70	94	6	26	29.81	29.90																	
SUNRISE: 0526							AUG 28		SUNSET: 1840																						
01	CLR	NC			3.00	BR	70	68	69	93	0	00	29.82	29.91																	
04	CLR	NC			3.00	BR	67	66	66	97	6	25	29.82	29.91																	
07	CLR	NC			2.50	BR	68	66	67	93	7	24	29.84	29.93																	
10	CLR	NC			5.00	HZ	78	69	72	74	7	VR	29.87	29.96																	
13	CLR	NC			10.00		85	65	72	51	9	27	29.84	29.92																	
16	FEW	NC			10.00		86	66	73	51	13	31	29.81	29.89																	
19	CLR	NC			8.00		80	68	72	67	6	22	29.80	29.89																	
22	CLR	NC			7.00		75	68	70	79	8	23	29.82	29.90																	
SUNRISE: 0527							AUG 29		SUNSET: 1839																						
01	CLR	NC			4.00	BR	72	69	70	91	6	25	29.81	29.90																	
04	CLR	NC			6.00	HZ	71	65	67	81	3	22	29.79	29.88																	
07	CLR	NC			2.00	HZ	72	67	69	84	6	27	29.80	29.89																	
10	CLR	NC			6.00	HZ	83	69	74	63	12	29	29.82	29.90																	
13	CLR	NC			4.00	HZ	87	69	75	55	13	28	29.79	29.88																	
16	CLR	NC			10.00		86	61	70	43	16	32	29.76	29.85																	
19	CLR	NC			10.00		75	49	60	40	8	32	29.83	29.92																	
22	CLR	NC			10.00		69	49	58	49	16	36	29.93	30.01																	
SUNRISE: 0528							AUG 30		SUNSET: 1837																						
01	CLR	NC			10.00		64	46	55	52	15	36	29.97	30.05																	
04	CLR	NC			10.00		59	46	52	62	16	36	29.98	30.07																	
07	CLR	NC			10.00		59	46	52	62	15	01	30.03	30.11																	
10	CLR	NC			10.00		64	46	55	52	16	03	30.06	30.14																	
13	CLR	NC			10.00		67	46	56	47	20	03	30.02	30.11																	
16	CLR	NC			10.00		68	46	56	45	15	03	30.02	30.11																	
19	CLR	NC			10.00		67	48	57	51	12	02	30.05	30.14																	
22	CLR	NC			10.00		66	50	57	56	14	03	30.08	30.17																	

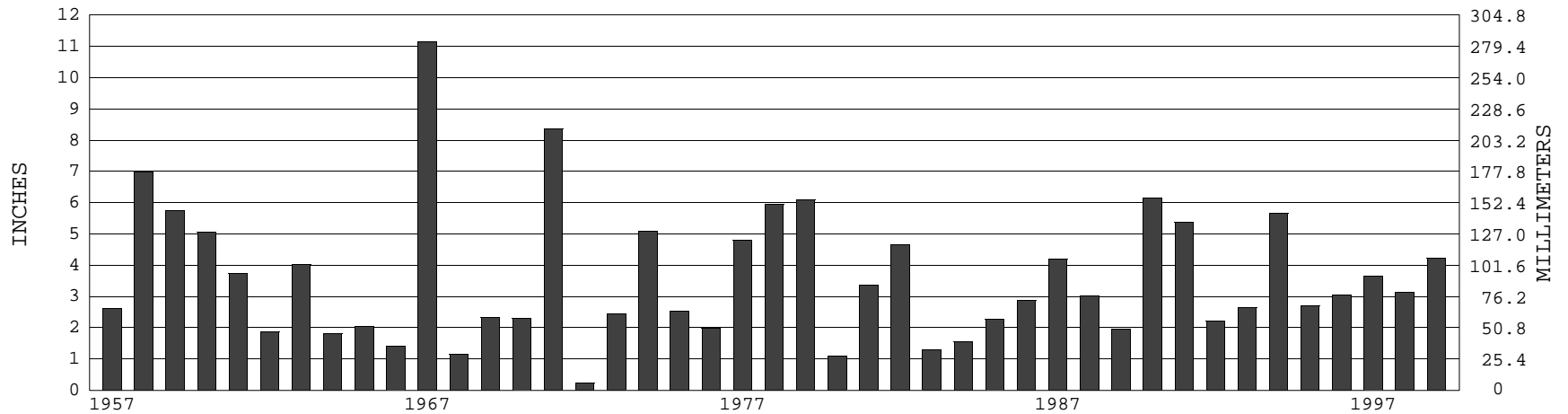
WILMINGTON, DE AUGUST TEMPERATURES



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

Long-Term (1957-1999) Mean: 74.8 1961-1990 Normal: 75.0

WILMINGTON, DE AUGUST PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 3.61

1961-1990 Normal: 3.40



**AUGUST 1999
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.

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

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