



# AUGUST 2001

## 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): 92 Feet  
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

AUGUST 2001  
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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
01	86	59	73	-4	58	65	0	8				0.0	0.00	30.25	30.33	4.2	22	4.5	16	23	14	23	01																										
02	87	61	74	-3	58	64	0	9				0.0	0.00	30.18	30.26	7.1	21	7.4	22	23	17	21	02																										
03	87	66	77	0	64	69	0	12				0.0	0.00	29.95	30.03	7.9	21	8.2	21	17	16	20	03																										
04	85	71	78	2	70	72	0	13				0.0	0.00	29.87	29.95	4.9	17	5.6	20	20	16	20	04																										
05	88	69	79	3	72	74	0	14	RA BR HZ			0.0	T	30.03	30.11	3.7	15	4.9	20	18	17	17	05																										
06	93	70	82	6	73	76	0	17	BR HZ			0.0	0.00	30.04	30.12	1.7	18	2.3	18	16	14	13	06																										
07	97	74	86	10	68	74	0	21	BR HZ			0.0	0.00	29.92	30.00	5.1	24	5.6	21	25	17	28	07																										
08	98	78	88*	12	71	76	0	23	HZ			0.0	0.00	29.85	29.93	5.8	27	7.8	18	29	15	28	08																										
09	99*	75	87	11	73	77	0	22	BR HZ			0.0	0.00	29.83	29.91	6.3	20	7.3	21	18	16	18	09																										
10	96	75	86	10	75	77	0	21	TS TSRA RA FG BR HZ			0.0	0.87	29.80	29.88	4.7	22	6.5	30*	31	26*	31	10																										
11	83	75	79	3			0	14	TSRA BR			0.0	0.83					6.1	18	04	16	04	11																										
12	79	74	77	1	74	74	0	12	TS TSRA RA BR			0.0	0.36	29.97	30.05	3.7	18	5.4	16	20	14	20	12																										
13	84	73	79	3	72	74	0	14	RA BR HZ			0.0	0.01	29.88	29.96	4.3	24	5.4	13	22	10	03	13																										
14	87	68	78	3	66	70	0	13	BR HZ			0.0	0.00	29.85	29.93	3.0	36	6.4	16	04	13	04	14																										
15	84	66	75	0	65	69	0	10	BR			0.0	0.00	29.96	30.04	3.6	11	6.2	15	13	13	14	15																										
16	84	66	75	0	67	70	0	10	BR			0.0	0.00	30.01	30.10	8.4	15	9.0	23	15	20	15	16																										
17	86	71	79	4	70	72	0	14	BR HZ			0.0	0.00	29.92	30.00	8.1	21	9.4	22	20	17	21	17																										
18	84	65	75	0	62	67	0	10				0.0	0.00	29.90	29.98	2.8	25	4.6	16	23	14	25	18																										
19	81	67	74	-1			0	9	RA BR HZ			0.0	0.05					5.0	23	15	20	15	19																										
20	85	71	78	3			0	13	BR			0.0	0.00					5.5	14	26	12	23	20																										
21	82	64	73	-1			0	8				0.0	0.00					7.2	20	28	16	27	21																										
22	86	63	75	1	60	66	0	10				0.0	0.00					3.9	27	5.2	18	27	14	30	22																								
23	82	66	74	0	67	70	0	9	BR HZ			0.0	0.00					2.7	24	5.6	15	02	13	36	23																								
24	86	66	76	2	65	69	0	11	BR			0.0	0.00	29.95	30.03	5.4	35	7.2	22	03	17	01	24																										
25	82	64	73	-1	63	67	0	8	BR HZ			0.0	0.00	30.07	30.15	5.3	10	7.3	22	16	18	15	25																										
26	81	58*	70*	-4	63	66	0	5				0.0	0.00	29.98	30.06	6.1	16	7.2	22	16	18	16	26																										
27	88	69	79	6	70	72	0	14	TS RA BR VCTS			0.0	0.02	29.81	29.89	4.7	22	6.8	25	28	20	29	27																										
28	87	69	78	5	67	70	0	13	BR HZ			0.0	0.00	29.83	29.91	4.8	24	5.7	18	24	15	23	28																										
29	85	65	75	2	62	67	0	10	BR HZ			0.0	0.00	29.95	30.03	3.7	31	5.1	14	28	12	25	29																										
30	80	68	74	1	70	71	0	9	TS TSRA RA BR			0.0	0.46	29.95	30.03	6.3	13	6.8	22	14	18	15	30																										
31	85	69	77	4	72	74	0	12	RA FG+ BR HZ VCTS			0.0	0.05	29.78	29.87	7.9	18	9.1	21	16	17	16	31																										
											86.4		68.2		77.3		■ ■		0.0		12.5		< MONTHLY AVERAGES		TOTALS-->		0.0		2.65				6.3		<-- MONTHLY AVERAGES														
											2.3		2.3		2.3		■ ■		<-----DEPARTURE FROM NORMAL----->										- .75		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																		
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.60 DATE: 10-11										SEA LEVEL PRESSURE DATE TIME																													
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:										MAXIMUM : 30.37 01 1051																													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:										MINIMUM : 29.77 31 2251																													
HEATING: 0 0 1 1										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 5										MINIMUM TEMP ≤ 32: 0										PRECIPITATION ≥ 0.01 INCH: 8									
COOLING: 388 78 954 48																				MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 4									
																				THUNDERSTORMS: 5										HEAVY FOG: 1										SNOWFALL ≥ 1.0 INCH: 0									

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# WILMINGTON, DE

AUGUST 2001

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			T	T								05			T	
06													06												06			0.00	
07													07												07			0.00	
08													08												08			0.00	
09													09												09			0.00	
10													10			0.79	0.02	T		0.02	0.03	0.01			10			0.87	
11													11												11	0.00		0.83	
12				0.03	0.06	0.02	T			0.02	0.03		12	0.01	0.07	T							0.11	T			0.36		
13					0.01								13							0.01					13			0.01	
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		0.05	
20													20												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			0.00	
27													27			T	T	0.01	T	0.01					27			0.02	
28													28												28			0.00	
29													29												29			0.00	
30													30												30			0.46	
31											0.01		31			0.22	0.01	0.22						T	T			0.46	
																									31			0.05	

### 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 2001

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							10.00	10.00	
03							10.00	10.00	
04							8.00	10.00	
05							5.00	10.00	
06							1.25	7.00	
07							2.00	10.00	
08							5.00	10.00	
09							2.50	9.00	
10							.50	10.00	
11							2.00	5.00	
12							2.00	10.00	
13							2.00	10.00	
14							2.00	10.00	
15							2.50	10.00	
16							4.00	10.00	
17							6.00	10.00	
18							7.00	10.00	
19							4.00	8.00	
20							4.00	10.00	
21							10.00	10.00	
22							9.00	10.00	
23							5.00	10.00	
24							4.00	10.00	
25							4.00	10.00	
26							10.00	10.00	
27							4.00	10.00	
28							2.00	10.00	
29							5.00	10.00	
30							1.25	10.00	
31							.25	10.00	
<b>MONTHLY AVGS</b>							4.76	9.65	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible:                      Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING									
31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0									
1            12            8									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

AUGUST 2001

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				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	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	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0502				AUG 01				SUNSET: 1916				SUNRISE: 0507				AUG 07				SUNSET: 1909									
01	CLR	NC			10.00	66	51	58	59	0	00	30.22	30.31	01	CLR	NC			6.00	BR	78	74	75	87	0	00	29.99	30.07	
04	CLR	NC			10.00	62	58	60	86	0	00	30.23	30.32	04	CLR	NC			5.00	BR	75	74	74	96	0	00	29.96	30.05	
07	CLR	NC			10.00	67	60	63	79	0	00	30.27	30.36	07	CLR	NC			4.00	HZ	77	72	74	85	0	00	29.97	30.05	
10	CLR	NC			10.00	79	63	69	58	0	00	30.28	30.37	10	CLR	NC			8.00		91	63	72	39	0	00	29.96	30.04	
13	FEW	NC			10.00	84	59	68	43	7	20	30.26	30.35	13	CLR	NC			10.00		95	62	73	34	8	30	29.92	30.00	
16	CLR	NC			10.00	85	55	67	36	8	22	30.23	30.32	16	CLR	NC			10.00		96	59	72	29	12	24	29.86	29.94	
19	CLR	NC			10.00	79	59	67	50	6	22	30.23	30.31	19	CLR	NC			9.00		89	66	74	47	8	21	29.85	29.93	
22	CLR	NC			10.00	72	58	64	61	7	23	30.25	30.33	22	CLR	NC			7.00		83	70	74	65	8	23	29.86	29.95	
SUNRISE: 0503				AUG 02				SUNSET: 1915				SUNRISE: 0508				AUG 08				SUNSET: 1908									
01	CLR	NC			10.00	68	56	61	66	7	23	30.23	30.31	01	CLR	NC			8.00		82	67	72	60	8	27	29.86	29.94	
04	CLR	NC			10.00	64	57	60	78	5	25	30.23	30.32	04	BKN	100			10.00		80	66	71	62	6	30	29.85	29.94	
07	CLR	NC			10.00	67	59	62	76	0	00	30.24	30.33	07	CLR	NC			8.00		84	67	73	57	9	29	29.88	29.97	
10	CLR	NC			10.00	79	60	67	52	9	24	30.21	30.30	10	CLR	NC			7.00		90	72	77	56	3	VR	29.88	29.96	
13	CLR	NC			10.00	84	51	65	32	13	24	30.18	30.27	13	FEW	NC			8.00		95	72	79	47	7	VR	29.84	29.93	
16	CLR	NC			10.00	84	54	66	36	12	22	30.12	30.21	16	FEW	NC			10.00		96	68	77	40	9	27	29.81	29.89	
19	CLR	NC			10.00	78	59	66	52	10	20	30.11	30.19	19	CLR	NC			5.00	HZ	90	75	79	62	8	20	29.81	29.90	
22	CLR	NC			10.00	72	63	66	73	9	20	30.10	30.18	22	CLR	NC			5.00	HZ	84	77	79	80	6	23	29.84	29.93	
SUNRISE: 0503				AUG 03				SUNSET: 1914				SUNRISE: 0509				AUG 09				SUNSET: 1907									
01	CLR	NC			10.00	68	62	64	81	0	00	30.07	30.16	01	CLR	NC			4.00	BR	80	76	77	87	6	24	29.83	29.92	
04	CLR	NC			10.00	66	64	65	93	6	18	30.02	30.11	04	CLR	NC			4.00	BR	75	73	74	94	5	28	29.84	29.93	
07	FEW	NC			10.00	69	66	67	90	5	23	30.01	30.10	07	CLR	NC			3.00	HZ	79	73	75	82	3	23	29.87	29.96	
10	CLR	NC			10.00	79	65	70	62	12	23	29.98	30.06	10	CLR	NC			5.00	HZ	90	75	79	62	7	13	29.88	29.96	
13	CLR	NC			10.00	85	61	70	45	9	23	29.92	30.01	13	CLR	NC			7.00		98	71	79	42	12	22	29.83	29.91	
16	CLR	NC			10.00	85	58	68	40	13	21	29.87	29.96	16	CLR	NC			6.00	HZ	97	70	78	42	13	19	29.78	29.87	
19	CLR	NC			10.00	80	64	70	58	8	18	29.86	29.94	19	CLR	NC			5.00	HZ	90	74	79	59	8	19	29.78	29.86	
22	BKN	065			10.00	76	66	70	72	8	20	29.88	29.96	22	CLR	NC			5.00	HZ	85	77	79	77	8	21	29.81	29.89	
SUNRISE: 0504				AUG 04				SUNSET: 1913				SUNRISE: 0510				AUG 10				SUNSET: 1906									
01	CLR	NC			10.00	73	67	69	81	6	18	29.86	29.95	01	CLR	NC			4.00	HZ	80	74	76	82	6	21	29.81	29.89	
04	CLR	NC			10.00	72	69	70	91	6	20	29.82	29.91	04	CLR	NC			3.00	BR	78	76	77	93	3	21	29.78	29.87	
07	CLR	NC			10.00	72	70	71	94	3	19	29.86	29.95	07	CLR	NC			3.00	HZ	80	75	77	85	9	21	29.79	29.87	
10	CLR	NC			10.00	79	71	74	77	9	13	29.87	29.96	10	CLR	NC			4.00	HZ	89	75	79	63	8	22	29.78	29.86	
13	CLR	NC			10.00	82	71	75	69	9	14	29.86	29.94	13	CLR	NC			6.00	HZ	94	73	79	51	14	20	29.74	29.83	
16	CLR	NC			10.00	84	67	73	57	10	18	29.85	29.94	16	BKN	012			2.00	-TSRA BR	75	74	74	96	5	35	29.78	29.87	
19	FEW	NC			10.00	80	68	72	67	6	16	29.88	29.96	19	CLR	NC			10.00		78	75	76	90	0	00	29.80	29.89	
22	CLR	NC			9.00	76	72	73	88	3	19	29.90	29.99	22	CLR	NC			7.00		76	75	75	97	0	00	29.84	29.92	
SUNRISE: 0505				AUG 05				SUNSET: 1912				SUNRISE: 0511				AUG 11				SUNSET: 1905									
01	CLR	NC			10.00	73	71	72	94	6	14	29.94	30.02	01	CLR	NC			5.00	BR	76	75	75	97	5	28	29.86	29.95	
04	SCT	NC			10.00	70	70	70	100	0	00	29.95	30.03	04	BKN	006			4.00	BR	76	75	75	97	3	36	29.86	29.95	
07	OVC	009			8.00	73	72	72	96	0	00	30.01	30.09	07	BKN	021			2.50	BR	77	76	76	96	5	05	29.92	30.00	
10	FEW	NC			5.00	82	72	75	72	6	VR	30.04	30.13	10															
13	CLR	NC			6.00	87	71	76	59	5	VR	30.04	30.12	13															
16	SCT	NC			6.00	83	70	74	65	6	20	30.02	30.10	16															
19	SCT	NC			6.00	79	73	75	82	12	15	30.05	30.13	19															
22	CLR	NC			6.00	76	75	75	97	5	16	30.08	30.16	22															
SUNRISE: 0506				AUG 06				SUNSET: 1911				SUNRISE: 0512				AUG 12				SUNSET: 1903									
01	CLR	NC			4.00	75	73	74	94	0	00	30.08	30.17	01	OVC	006			3.00	BR	74	74	74	100	6	10	29.96	30.05	
04	CLR	NC			2.50	73	73	73	100	0	00	30.07	30.15	04	OVC	006			4.00	-RA BR	74	74	74	100	6	11	29.98	30.06	
07	CLR	NC			2.00	74	73	73	97	0	00	30.08	30.16	07	OVC	007			2.50	BR	74	74	74	100	5	06	29.98	30.07	
10	CLR	NC			3.00	85	73	77	68	7	26	30.08	30.17	10	OVC	005			8.00		76	74	75	94	5	19	30.00	30.09	
13	CLR	NC			3.00	90	73	78	58	10	15	30.05	30.13	13	OVC	016			3.00	-RA BR	76	74	75	94	12	20	29.97	30.06	
16	FEW	NC			6.00	91	71	77	52	0	00	29.99	30.08	16	BKN	032			9.00		79	75	76	88	9	21	29.94	30.03	
19	CLR	NC			6.00	85	74	77	70	0	00	29.98	30.07	19	OVC	021			9.00	-RA	77	73	74	88	5	19	29.95	30.03	
22	CLR	NC			7.00	81	73	75	77	0	00	29.99	30.07	22	FEW	NC			10.00		75	73	74	94	6	20	29.93	30.02	

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

AUGUST 2001

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: 0513					AUG 13				SUNSET: 1902				SUNRISE: 0518					AUG 19				SUNSET: 1853							
01	OVC	007	10.00		74	73	73	97	5	22	29.92	30.01	01	CLR	NC	6.00	BR	71	68	69	90	3	30	29.82	29.91				
04	OVC	003	4.00	BR	74	73	73	97	3	21	29.90	29.99	04	CLR	NC	8.00		71	65	67	81	0	00	29.82	29.90				
07	OVC	005	2.00	BR	74	73	73	97	6	24	29.93	30.01	07	CLR	NC	6.00	HZ	72	66	68	82	0	00	29.84	29.93				
10	BKN	027	10.00		80	72	75	76	8	28	29.92	30.00	10	CLR	NC	7.00		77	68	71	74	5	14	29.84	29.93				
13	BKN	028	10.00		81	71	74	72	6	23	29.88	29.96	13																
16	SCT	NC	10.00		84	70	74	63	6	23	29.83	29.92	16																
19	FEW	NC	10.00		78	73	75	85	7	25	29.84	29.92	19																
22	CLR	NC	6.00	BR	76	74	75	94	3	23	29.84	29.93	22																
SUNRISE: 0514					AUG 14				SUNSET: 1859				SUNRISE: 0519					AUG 20				SUNSET: 1851							
01	SCT	NC	6.00	BR	72	68	69	87	6	02	29.82	29.90	01	CLR	NC	5.00	BR	74	73	73	97	3	19	29.78	29.87				
04	CLR	NC	3.00	BR	69	68	68	96	6	31	29.81	29.90	04	BKN	005	4.00	BR	74	73	73	97	6	19	29.76	29.85				
07	FEW	NC	3.00	BR	71	68	69	90	5	33	29.86	29.94	07	CLR	NC	7.00		73	71	72	94	7	25	29.79	29.88				
10	CLR	NC	10.00		82	65	71	56	8	01	29.85	29.93	10	CLR	NC	10.00		80	70	73	71	5	VR	29.83	29.92				
13	BKN	075	10.00		85	64	71	50	9	35	29.84	29.92	13																
16	SCT	NC	10.00		86	61	70	43	8	35	29.81	29.90	16	FEW	NC	10.00		83	63	70	51	6	VR	29.83	29.91				
19	FEW	NC	10.00		78	66	70	67	6	24	29.84	29.92	19	CLR	NC	10.00		79	65	70	62	6	22	29.84	29.92				
22	CLR	NC	9.00		73	67	69	81	0	00	29.88	29.96	22	BKN	090	10.00		75	66	69	74	6	26	29.88	29.97				
SUNRISE: 0515					AUG 15				SUNSET: 1858				SUNRISE: 0520					AUG 21				SUNSET: 1850							
01	CLR	NC	6.00	BR	70	67	68	90	5	10	29.89	29.97	01	OVC	070	10.00		72	61	65	69	7	29	29.90	29.98				
04	CLR	NC	6.00	BR	69	67	68	93	6	04	29.91	29.99	04	BKN	085	10.00		67	60	63	79	7	28	29.91	29.99				
07	CLR	NC	4.00	BR	71	68	69	90	8	02	29.95	30.03	07																
10	CLR	NC	10.00		77	64	69	64	7	VR	29.98	30.06	10																
13	CLR	NC	10.00		81	62	69	53	3	VR	29.95	30.03	13																
16	CLR	NC	10.00		83	62	70	49	3	11	29.93	30.01	16																
19	CLR	NC	10.00		79	67	71	67	10	15	29.97	30.05	19																
22	CLR	NC	10.00		73	63	67	71	8	13	30.01	30.10	22																
SUNRISE: 0516					AUG 16				SUNSET: 1857				SUNRISE: 0521					AUG 22				SUNSET: 1848							
01	CLR	NC	10.00		70	66	67	87	5	10	30.00	30.08	01	CLR	NC	10.00		68	62	64	81	3	26	30.00	30.09				
04	FEW	NC	8.00		68	66	67	93	0	00	29.99	30.08	04	CLR	NC	10.00		65	60	62	84	5	28	30.01	30.10				
07	CLR	NC	7.00		70	67	68	90	0	00	30.05	30.13	07	CLR	NC	10.00		69	60	64	73	0	00	30.04	30.13				
10	CLR	NC	10.00		76	68	71	77	8	14	30.06	30.15	10	CLR	NC	10.00		81	58	67	46	0	00	30.05	30.14				
13	CLR	NC	10.00		81	66	71	61	14	14	30.02	30.10	13	FEW	NC	10.00		83	55	66	38	9	29	30.03	30.12				
16	CLR	NC	10.00		83	66	72	57	13	15	29.98	30.06	16	SCT	NC	10.00		84	57	67	40	12	29	29.99	30.08				
19	CLR	NC	10.00		77	68	71	74	13	16	29.98	30.07	19	CLR	NC	10.00		78	60	67	54	5	19	29.98	30.06				
22	BKN	050	10.00		75	70	72	84	16	17	29.98	30.07	22	CLR	NC	10.00		73	62	66	69	7	21						
SUNRISE: 0517					AUG 17				SUNSET: 1855				SUNRISE: 0522					AUG 23				SUNSET: 1847							
01	OVC	046	10.00		74	68	70	82	8	17	29.98	30.06	01	CLR	NC	9.00		71	63	66	76	0	00						
04	FEW	NC	10.00		72	69	70	91	8	17	29.94	30.03	04	CLR	NC	5.00	BR	67	64	65	91	0	00						
07	CLR	NC	8.00		76	70	72	82	8	19	29.93	30.01	07	BKN	075	6.00	HZ	72	66	68	82	7	18	29.98	30.06				
10	FEW	NC	7.00		79	70	73	74	12	23	29.93	30.02	10	CLR	NC	8.00		79	68	72	69	7	VR	29.96	30.05				
13	CLR	NC	7.00		83	71	75	67	12	21	29.91	29.99	13	OVC	060	9.00		80	68	72	67	10	20	29.93	30.01				
16	BKN	040	9.00		85	69	74	59	13	21	29.86	29.94	16	CLR	NC	10.00		80	67	71	64	9	21	29.88	29.97				
19	CLR	NC	6.00	HZ	80	71	74	74	8	21	29.87	29.96	19	OVC	050	9.00		76	68	71	77	7	32	29.86	29.95				
22	FEW	NC	6.00	BR	75	72	73	90	3	28	29.91	30.00	22	CLR	NC	10.00		72	67	69	84	3	36	29.88	29.96				
SUNRISE: 0517					AUG 18				SUNSET: 1854				SUNRISE: 0523					AUG 24				SUNSET: 1845							
01	SCT	NC	10.00		73	63	67	71	5	28	29.92	30.01	01	CLR	NC	7.00		68	66	67	93	6	36	29.88	29.97				
04	CLR	NC	10.00		69	61	64	76	5	27	29.92	30.01	04	CLR	NC	5.00	BR	67	65	66	93	5	32	29.88	29.96				
07	CLR	NC	7.00		69	61	64	76	3	28	29.93	30.02	07	CLR	NC	7.00		69	64	66	84	7	33	29.93	30.02				
10	CLR	NC	10.00		81	61	68	51	0	00	29.94	30.03	10	CLR	NC	10.00		79	64	69	60	9	35	29.96	30.04				
13	FEW	NC	10.00		82	63	70	53	8	15	29.91	30.00	13	SCT	NC	10.00		84	63	70	49	12	35	29.93	30.02				
16	CLR	NC	10.00		82	60	68	47	9	26	29.85	29.93	16	SCT	NC	10.00		85	62	70	46	8	34	29.93	30.02				
19	CLR	NC	10.00		78	63	68	60	0	00	29.86	29.95	19	CLR	NC	9.00		77	65	69	66	6	34	29.97	30.06				
22	OVC	070	9.00		76	65	69	69	0	00	29.85	29.93	22	CLR	NC	7.00		74	67	69	79	6	18	30.01	30.10				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

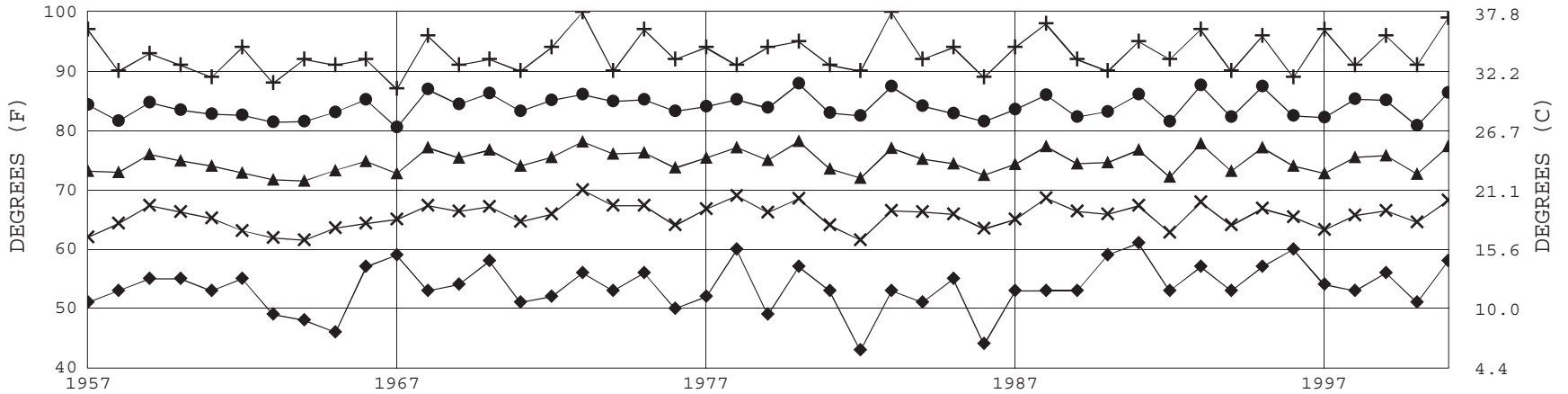
AUGUST 2001

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				SUNRISE: 0530								AUG 31				SUNSET: 1835																																																																																																																																																																																																																																																																																																																																															
01	BKN	065				6.00	HZ	72	67	69	84	3	03	30.02	30.10	01	CLR	NC				5.00	BR	70	70	70	100	3	19	29.88	29.97																																																																																																																																																																																																																																																																																																																																												
04	BKN	060				4.00	BR	69	67	68	93	6	04	30.04	30.12	04	OVC	009				7.00		73	71	72	94	8	17	29.84	29.93																																																																																																																																																																																																																																																																																																																																												
07	SCT	NC				10.00		71	66	68	84	10	06	30.08	30.17	07	OVC	001				1.00	BR	72	72	72	100	3	21	29.86	29.94																																																																																																																																																																																																																																																																																																																																												
10	SCT	NC				10.00		78	63	68	60	6	VR	30.10	30.18	10	SCT	NC				5.00	HZ	80	73	75	79	10	14	29.83	29.92																																																																																																																																																																																																																																																																																																																																												
13	OVC	046				10.00		80	61	68	52	8	04	30.08	30.16	13	FEW	NC				8.00		83	72	75	70	15	16	29.78	29.86																																																																																																																																																																																																																																																																																																																																												
16	BKN	075				10.00		82	59	68	46	9	11	30.05	30.14	16	CLR	NC				10.00		84	73	76	70	16	16	29.71	29.80																																																																																																																																																																																																																																																																																																																																												
19	BKN	046				10.00		74	61	66	64	12	13	30.05	30.14	19	SCT	NC				8.00		79	74	75	85	9	23	29.70	29.79																																																																																																																																																																																																																																																																																																																																												
22	CLR	NC				10.00		68	59	63	73	3	11	30.08	30.17	22	FEW	NC				6.00	-RA BR	76	72	73	88	9	21	29.69	29.77																																																																																																																																																																																																																																																																																																																																												
SUNRISE: 0525								AUG 26				SUNSET: 1842				<b>3-HOURLY OBSERVATION NOTES</b> 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.																																																																																																																																																																																																																																																																																																																																																											
01	CLR	NC				10.00		65	58	61	78	3	05	30.08	30.16																																																																																																																																																																																																																																																																																																																																																												
04	CLR	NC				10.00		58	57	57	97	6	32	30.05	30.14																																																																																																																																																																																																																																																																																																																																																												
07	CLR	NC				10.00		66	61	63	84	0	00	30.05	30.14																																																																																																																																																																																																																																																																																																																																																												
10	FEW	NC				10.00		74	61	66	64	0	00	30.04	30.13																																																																																																																																																																																																																																																																																																																																																												
13	FEW	NC				10.00		80	58	66	47	13	14	29.99	30.08																																																																																																																																																																																																																																																																																																																																																												
16	CLR	NC				10.00		81	66	71	61	16	15	29.91	29.99																																																																																																																																																																																																																																																																																																																																																												
19	CLR	NC				10.00		76	70	72	82	14	16	29.90	29.99																																																																																																																																																																																																																																																																																																																																																												
22	CLR	NC				10.00		72	68	69	87	8	18	29.89	29.97																																																																																																																																																																																																																																																																																																																																																												
SUNRISE: 0526								AUG 27				SUNSET: 1841				<b>SUMMARY BY HOUR</b> <table border="1"> <thead> <tr> <th rowspan="3">HOUR (LST)</th> <th colspan="11">AVERAGES</th> <th colspan="2">RESULTANT WIND (MPH)</th> </tr> <tr> <th rowspan="2">CEILOMETER</th> <th rowspan="2">EFF CLD AMT</th> <th rowspan="2">DRY BULB</th> <th rowspan="2">DEW POINT</th> <th rowspan="2">WET BULB</th> <th rowspan="2">RELATIVE HUMIDITY</th> <th colspan="2">PRESSURE (INCHES, HG)</th> <th rowspan="2">VISIBILITY (MILES)</th> <th rowspan="2">WIND SPEED (MPH)</th> <th rowspan="2">SPEED</th> <th rowspan="2">DIRECTION</th> </tr> <tr> <th>STATION</th> <th>SEA LEVEL</th> </tr> </thead> <tbody> <tr><td>01</td><td></td><td></td><td>72</td><td>67</td><td>69</td><td>85</td><td>29.94</td><td>30.02</td><td>7.71</td><td>4</td><td>1</td><td>22</td></tr> <tr><td>02</td><td></td><td></td><td>71</td><td>67</td><td>69</td><td>88</td><td>29.93</td><td>30.02</td><td>7.32</td><td>4</td><td>2</td><td>22</td></tr> <tr><td>03</td><td></td><td></td><td>71</td><td>68</td><td>69</td><td>90</td><td>29.93</td><td>30.02</td><td>7.26</td><td>4</td><td>1</td><td>22</td></tr> <tr><td>04</td><td></td><td></td><td>70</td><td>67</td><td>68</td><td>91</td><td>29.93</td><td>30.02</td><td>6.98</td><td>4</td><td>1</td><td>26</td></tr> <tr><td>05</td><td></td><td></td><td>70</td><td>67</td><td>68</td><td>92</td><td>29.93</td><td>30.02</td><td>6.50</td><td>4</td><td>1</td><td>25</td></tr> <tr><td>06</td><td></td><td></td><td>70</td><td>67</td><td>68</td><td>92</td><td>29.95</td><td>30.03</td><td>5.54</td><td>4</td><td>1</td><td>26</td></tr> <tr><td>07</td><td></td><td></td><td>72</td><td>68</td><td>70</td><td>87</td><td>29.96</td><td>30.04</td><td>6.23</td><td>4</td><td>1</td><td>25</td></tr> <tr><td>08</td><td></td><td></td><td>75</td><td>68</td><td>71</td><td>79</td><td>29.96</td><td>30.05</td><td>7.07</td><td>5</td><td>1</td><td>27</td></tr> <tr><td>09</td><td></td><td></td><td>78</td><td>68</td><td>72</td><td>72</td><td>29.96</td><td>30.05</td><td>8.03</td><td>5</td><td>1</td><td>19</td></tr> <tr><td>10</td><td></td><td></td><td>81</td><td>68</td><td>72</td><td>66</td><td>29.96</td><td>30.05</td><td>8.21</td><td>5</td><td>2</td><td>20</td></tr> <tr><td>11</td><td></td><td></td><td>82</td><td>67</td><td>72</td><td>61</td><td>29.96</td><td>30.04</td><td>8.54</td><td>8</td><td>4</td><td>20</td></tr> <tr><td>12</td><td></td><td></td><td>84</td><td>66</td><td>72</td><td>57</td><td>29.95</td><td>30.04</td><td>8.85</td><td>7</td><td>4</td><td>20</td></tr> <tr><td>13</td><td></td><td></td><td>85</td><td>66</td><td>72</td><td>54</td><td>29.94</td><td>30.02</td><td>8.74</td><td>9</td><td>4</td><td>19</td></tr> <tr><td>14</td><td></td><td></td><td>85</td><td>66</td><td>73</td><td>54</td><td>29.92</td><td>30.01</td><td>8.56</td><td>10</td><td>5</td><td>20</td></tr> 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LEVEL	01			72	67	69	85	29.94	30.02	7.71	4	1	22	02			71	67	69	88	29.93	30.02	7.32	4	2	22	03			71	68	69	90	29.93	30.02	7.26	4	1	22	04			70	67	68	91	29.93	30.02	6.98	4	1	26	05			70	67	68	92	29.93	30.02	6.50	4	1	25	06			70	67	68	92	29.95	30.03	5.54	4	1	26	07			72	68	70	87	29.96	30.04	6.23	4	1	25	08			75	68	71	79	29.96	30.05	7.07	5	1	27	09			78	68	72	72	29.96	30.05	8.03	5	1	19	10			81	68	72	66	29.96	30.05	8.21	5	2	20	11			82	67	72	61	29.96	30.04	8.54	8	4	20	12			84	66	72	57	29.95	30.04	8.85	7	4	20	13			85	66	72	54	29.94	30.02	8.74	9	4	19	14			85	66	73	54	29.92	30.01	8.56	10	5	20	15			85	65	72	54	29.91	30.00	8.89	10	5	21	16			85	65	72	54	29.90	29.99	9.04	9	5	21	17			83	66	72	58	29.90	29.99	8.96	10	7	20	18			81	67	72	64	29.90	29.98	9.00	9	6	19	19			79	68	72	69	29.91	29.99	8.75	7	5	18	20			78	69	72	75	29.92	30.00	8.68	7	5	18	21			76	69	72	79	29.93	30.01	8.61	6	4	19	22			75	69	71	80	29.92	30.01	8.46	5	4	20	23			74	68	70	82	29.93	30.01	8.14	5	3	22	24			73	68	70	83	29.93	30.01	8.21	5	2	24
HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)																																																																																																																																																																																																																																																																																																																																																															
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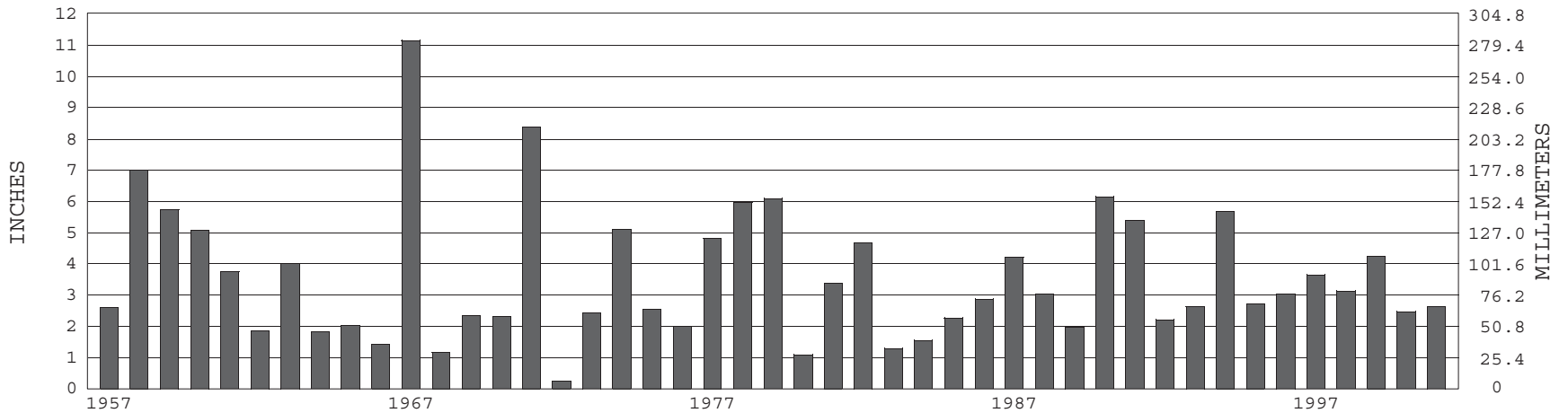
### WILMINGTON, DE AUGUST TEMPERATURES



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

Long-Term (1957-2001) Mean: 74.8      1961-1990 Normal: 75.0

### WILMINGTON, DE AUGUST PRECIPITATION



Long-Term (1957-2001) Mean Monthly Total: 3.56

1961-1990 Normal: 3.40



**AUGUST 2001  
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

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