



# AUGUST 1997

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# WILMINGTON, DE

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

AUGUST 1997  
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	88	63	76	-1	59	66	0	11					0.00	30.06	30.15	4.3	23	5.9	16	21	14	21	01								
02	84	71	78	1	62	67	0	13	RA				T	29.92	30.00	7.4	24	7.6	22	25	18	25	02								
03	88	67	78	1	65	69	0	13	HZ				0.00	29.84	29.92	6.7	28	7.3	17	29	15	29	03								
04	81	68	75	-1	63	68	0	10	RA BR				0.08	29.77	29.85	2.2	33	4.8	10	34	9	34	04								
05	80	58	69	-7	60	63	0	4	RA FG+ BR				0.84	29.79	29.88	2.8	33	6.2	53*	15	40*	14	05								
06	79	56	68	-8	49	58	0	3					0.00	29.99	30.07	6.0	32	6.6	17	29	14	29	06								
07	82	55	69	-7	53	60	0	4					0.00	30.11	30.19	1.8	33	4.4	13	27	9	27	07								
08	84	55	70	-6	53	61	0	5					0.00	30.11	30.19	2.2	31	4.4	17	26	14	26	08								
09	86	59	73	-3	58	64	0	8					0.00	30.10	30.18	5.4	21	7.3	17	16	16	16	09								
10	84	68	76	0	63	67	0	11	HZ				0.00	30.10	30.18	7.8	17	8.3	22	15	18	15	10								
11	85	66	76	0	67	70	0	11					0.00	30.04	30.12	6.6	16	7.0	17	15	15	15	11								
12	85	70	78	2	68	71	0	13	RA BR HZ				T	30.02	30.11	4.9	09	8.1	17	05	15	16	12								
13	86	72	79	3	72	74	0	14	TS RA BR HZ				T	29.83	29.89	4.3	19	7.6	17	27	15	31	13								
14	79	70	75	0	67	70	0	10	BR				0.00	29.83	29.91	3.5	34	4.9	17	03	15	04	14								
15	86	66	76	1	61	67	0	11	BR HZ				0.00	29.84	29.92	7.7	16	8.3	24	14	21	15	15								
16	97*	74	86*	11				21	BR HZ				0.00	29.82		7.5	21	7.6	16	21	12	21	16								
17	93	75	84	9	70	74	0	19	RA				0.01			3.5	30	6.4	17	29	14	33	17								
18	77	61	69	-6	64	66	0	4	RA BR				0.15			5.8	33	8.4	28	02	23	01	18								
19	79	56	68	-7	53	60	0	3					0.00	29.99	30.07	3.6	04	6.3	16	03	15	04	19								
20	70	64	67	-7	63	64	0	2	RA BR				2.31	29.84	29.92	8.0	08	9.2	23	07	20	08	20								
21	81	65	73	-1	63	66	0	8	RA BR				T	29.66	29.74	6.9	28	8.4	21	28	17	28	21								
22	79	61	70	-4	55	61	0	5					0.00	29.75	29.83	7.2	25	7.8	24	28	18	28	22								
23	76	58	67	-5	35	52	0	2					0.00	29.92	30.00	8.9	27	9.5	21	27	17	26	23								
24	78	54*	66*	-8	45	56	0	1					0.00	30.04	30.12	3.1	29	4.6	16	28	14	29	24								
25	79	63	71	-3	58	63	0	6					0.00	30.04	30.12	3.8	15	4.4	18	16	15	16	25								
26	79	60	70	-4	60	64	0	5					0.00	30.03	30.12	3.9	16	5.8	16	15	15	16	26								
27	79	62	71	-2	63	66	0	6	BR				0.00	29.93	30.01	7.9	16	8.3	22	16	20	16	27								
28	81	65	73	0	65	68	0	8	RA BR HZ				0.26	29.74	29.82	1.4	21	5.0	15	23	11	22	28								
29	79	61	70	-3	60	64	0	5	BR HZ				0.01	29.76	29.84	8.2	32	8.6	23	33	20	31	29								
30	81	60	71	-2	51	60	0	6					0.00	29.91	29.99	2.0	30	4.8	14	36	11	35	30								
31	82	60	71	-2	64	67	0	6	BR HZ				0.00	29.98	30.07	6.8	15	7.2	21	15	18	15	31								
< MONTHLY AVERAGES											TOTALS-->						1.2		21		6.8		<- MONTHLY AVERAGES								
-1.9											-2.6		-2.2		■■■		<----- DEPARTURE FROM NORMAL ----->		0.26		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 2.31 DATE: 20				SEA LEVEL PRESSURE				DATE TIME												
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.23 08 0922												
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH:				MINIMUM				: 29.70 21 0248												
HEATING: 0 0 2 2											NUMBER OF DAYS WITH =>				MAXIMUM TEMP ≥ 90: 2				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 7								
COOLING: 248 -62 809 -97															MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 4								
															THUNDERSTORMS: 1				HEAVY FOG: 1				SNOWFALL ≥ 1.0 INCH: 0								

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# WILMINGTON, DE

AUGUST 1997 ILG WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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					T								02	T											02		T		
03													03			T									03		0.00		
04													04				T					0.08	T		04		0.08		
05	T												05				T	0.72	T	0.06	0.06			05		0.84			
06													06											06		0.00			
07													07											07		0.00			
08													08											08		0.00			
09													09											09		0.00			
10													10											10		0.00			
11													11											11		0.00			
12					T	T							12											12		T			
13											T	T	13	T	T									13		T			
14													14											14		0.00			
15													15											15		0.00			
16													16											16		0.00			
17													17											17		0.01			
18									0.03	0.01	0.03	0.04	0.03	18	T									18	0.00	0.15			
19													19											19	0.14	0.00			
20							T	T	T	T	0.06	0.17	20	0.06	0.25	0.33	0.35	0.32	0.24	0.43	0.03	0.07	T	T	20	2.31			
21		T	T										21											21		T			
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											27		0.00			
28				0.04	0.21	0.01							28											28		0.26			
29					0.01								29											29		0.01			
30													30											30		0.00			
31													31											31		0.00			

## MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.30	.49	.62	.68	.71	.72	.72	.72	.72	.72	.90	1.05
Ending Date	05	05	05	05	05	05	05	05	05	05	20	20
Ending Time (Hour/Min)	1729	1731	1735	1737	1743	1743	1743	1743	1743	1918	1557	1627

Date and time are not entered for TRACE amounts.

Note 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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.



# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

AUGUST 1997

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)									
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		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		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL								
SUNRISE: 0502						AUG 01						SUNSET: 1916						SUNRISE: 0507						AUG 07						SUNSET: 1909					
01	CLR	NC				66	60	62	81	3	25	30.11	30.20	01	CLR	NC								59	50	54	72	7	33	30.07	30.15				
04	CLR	NC				66	57	61	73	5	23	30.09	30.18	04	CLR	NC								57	52	54	83	3	34	30.08	30.17				
07	CLR	NC				70	59	63	68	3	29	30.12	30.21	07	CLR	NC								63	54	58	73	0	00	30.12	30.20				
10	CLR	NC				81	57	66	44	6	07	30.13	30.21	10	CLR	NC								76	50	61	40	3	30	30.14	30.23				
13	CLR	NC				86	60	69	42	5	16	30.07	30.16	13	FEW	NC								80	52	64	38	8	13	30.11	30.20				
16	CLR	NC				86	56	67	36	3	22	30.00	30.09	16	SCT	NC								80	52	64	38	3	34	30.08	30.16				
19	CLR	NC				80	65	70	60	7	17	29.99	30.08	19	BKN	080								76	53	63	45	5	33	30.09	30.18				
22	CLR	NC				77	58	65	52	8	22	29.99	30.07	22	FEW	NC								66	58	61	75	5	31	30.11	30.20				
SUNRISE: 0503						AUG 02						SUNRISE: 1915						SUNRISE: 0508						AUG 08						SUNSET: 1908					
01	CLR	NC				73	62	66	69	7	22	29.97	30.06	01	FEW	NC								62	57	59	84	6	34	30.12	30.21				
04	CLR	NC				72	64	67	76	9	22	29.94	30.03	04	CLR	NC								58	54	56	87	5	31	30.12	30.21				
07	CLR	NC				73	66	69	79	3	23	29.94	30.03	07	CLR	NC								65	54	59	68	5	31	30.12	30.21				
10	CLR	NC				80	62	69	54	7	26	29.95	30.03	10	CLR	NC								79	51	63	38	6	34	30.14	30.22				
13	CLR	NC				80	66	71	62	9	25	29.92	30.00	13	FEW	NC								82	47	62	29	6	02	30.11	30.19				
16	CLR	NC				83	57	67	41	9	25	29.87	29.95	16	BKN	085								84	51	65	32	0	00	30.08	30.16				
19	CLR	NC				79	57	66	47	6	23	29.86	29.95	19	CLR	NC								81	47	62	30	3	19	30.07	30.16				
22	CLR	NC				73	60	65	64	3	23	29.86	29.95	22	CLR	NC								73	58	64	59	5	19	30.10	30.18				
SUNRISE: 0503						AUG 03						SUNRISE: 1914						SUNRISE: 0509						AUG 09						SUNSET: 1907					
01	BKN	095				71	62	65	73	3	25	29.86	29.95	01	CLR	NC								65	58	61	78	0	00	30.09	30.18				
04	FEW	NC				68	62	64	81	3	27	29.84	29.93	04	CLR	NC								63	55	58	76	7	29	30.09	30.18				
07	CLR	NC				72	64	67	76	8	25	29.87	29.96	07	CLR	NC								67	56	61	68	5	28	30.13	30.21				
10	CLR	NC				82	68	73	63	9	28	29.86	29.94	10	CLR	NC								81	59	67	47	5	20	30.12	30.21				
13	CLR	NC				86	66	73	51	12	27	29.83	29.91	13	CLR	NC								86	57	68	37	9	22	30.09	30.17				
16	FEW	NC				86	69	74	57	13	30	29.79	29.88	16	CLR	NC								85	55	67	36	10	18	30.05	30.14				
19	CLR	NC				82	67	72	60	5	28	29.80	29.88	19	CLR	NC								78	65	70	64	13	15	30.06	30.15				
22	CLR	NC				77	62	68	60	6	30	29.84	29.93	22	CLR	NC								74	53	62	48	10	21	30.10	30.19				
SUNRISE: 0504						AUG 04						SUNRISE: 1913						SUNRISE: 0510						AUG 10						SUNSET: 1906					
01	CLR	NC				71	61	65	71	7	32	29.82	29.91	01	CLR	NC								70	57	62	64	6	20	30.10	30.18				
04	BKN	090				71	62	65	73	6	34	29.81	29.89	04	CLR	NC								68	62	64	81	0	00	30.09	30.17				
07	CLR	NC				74	62	67	67	7	05	29.81	29.89	07	CLR	NC								70	63	66	79	7	18	30.12	30.20				
10	SCT	NC				78	61	67	56	0	00	29.80	29.88	10	CLR	NC								78	64	69	62	7	21	30.14	30.22				
13	FEW	NC				79	63	69	58	0	00	29.76	29.85	13	SCT	NC								82	64	70	55	7	14	30.11	30.19				
16	SCT	NC				79	63	69	58	5	32	29.72	29.80	16	CLR	NC								83	63	70	51	12	16	30.07	30.15				
19	OVC	070				74	66	69	76	3	30	29.71	29.80	19	CLR	NC								77	63	68	62	16	14	30.07	30.16				
22	BKN	070				71	69	70	94	6	17	29.71	29.80	22	CLR	NC								73	60	65	64	9	19	30.09	30.17				
SUNRISE: 0505						AUG 05						SUNRISE: 1912						SUNRISE: 0511						AUG 11						SUNSET: 1905					
01	BKN	065				65	63	64	93	8	33	29.72	29.80	01	CLR	NC								70	64	66	82	7	21	30.07	30.16				
04	BKN	011				63	61	62	93	6	34	29.73	29.82	04	CLR	NC								68	64	66	87	0	00	30.06	30.15				
07	CLR	NC				65	60	62	84	8	33	29.76	29.85	07	CLR	NC								70	66	67	87	5	20	30.08	30.17				
10	CLR	NC				73	61	66	66	0	00	29.78	29.87	10	CLR	NC								78	69	72	74	6	13	30.07	30.16				
13	BKN	060				79	58	66	49	7	VR	29.77	29.85	13	CLR	NC								84	65	71	53	10	15	30.04	30.12				
16	OVC	060				78	58	66	50	9	19	29.77	29.86	16	CLR	NC								82	65	71	56	12	17	30.01	30.09				
19	CLR	NC				68	59	63	73	0	00	29.82	29.90	19	CLR	NC								77	68	71	74	14	16	29.99	30.08				
22	CLR	NC				63	62	62	97	3	28	29.87	29.96	22	SCT	NC								75	69	71	82	5	17	30.00	30.08				
SUNRISE: 0506						AUG 06						SUNRISE: 1911						SUNRISE: 0512						AUG 12						SUNSET: 1903					
01	CLR	NC				61	60	60	97	6	32	29.91	29.99	01	BKN	065								73	66	69	79	6	17	29.99	30.07				
04	CLR	NC				58	26	44	30	3	36	29.92	30.01	04	FEW	NC								71	67	68	87	0	00	29.98	30.07				
07	CLR	NC				61	55	58	81	5	32	29.96	30.05	07	FEW	NC								74	66	69	76	10	02	30.04	30.13				
10	CLR	NC				73	52	61	48	7	35	30.00	30.08	10	SCT	NC								79	67	71	67	10	03	30.06	30.15				
13	FEW	NC				78	48	61	35	10	34	29.99	30.07	13																					
16	FEW	NC				77	45	59	32	13	29	29.98	30.07	16	SCT	NC								84	69	74	61	10	11	30.00	30.09				
19	CLR	NC				70	46	57	42	7	29	30.01	30.10	19	SCT	NC								79	69	72	72	12	12	30.00	30.09				
22	OVC	110				65	50	57	59	3	30	30.06	30.14	22	FEW	NC								74	68	70	82	10	12	30.03	30.11				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

AUGUST 1997

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)									
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0513						AUG 13						SUNSET: 1902						SUNRISE: 0518						AUG 19						SUNSET: 1853					
01	OVC	010			5.00 BR	72	69	70	91	8	13	30.00	01	CLR	NC			10.00	63	52	57	68	8	36	29.97	30.05									
04	OVC	006			4.00 BR	72	70	71	94	6	10	29.92	04	CLR	NC			10.00	57	51	54	81	7	33	29.97	30.06									
07	OVC	010			3.00 BR	75	72	73	90	9	17	29.88	07	CLR	NC			10.00	62	52	57	70	9	35	30.01	30.09									
10	BKN	020			4.00 HZ	80	75	77	85	7	15	29.84	10	CLR	NC			10.00	71	53	61	53	9	06	30.02	30.11									
13	CLR	NC			4.00 -RA	82	74	76	77	10	25	29.78	13	CLR	NC			10.00	76	53	63	45	5	20	30.00	30.09									
16	BKN	095			6.00 HZ	84	72	76	67	8	22	29.74	16	CLR	NC			10.00	77	52	62	42	5	VR	29.96	30.05									
19	SCT	NC			9.00	83	69	74	63	9	23	29.73	19	CLR	NC			10.00	73	53	61	50	5	04	29.97	30.06									
22	OVC	075			10.00	77	75	76	94	3	21	29.77	22	CLR	NC			10.00	68	60	63	76	3	06	29.99	30.08									
SUNRISE: 0514						AUG 14						SUNSET: 1859						SUNRISE: 0519						AUG 20						SUNSET: 1851					
01	OVC	110			10.00	76	70	72	82	6	31	29.75	01	CLR	NC			10.00	66	63	64	90	6	12	29.98	30.07									
04	BKN	120			6.00 BR	74	71	72	91	6	32	29.77	04	CLR	NC			10.00	68	39	53	35	9	11	29.95	30.03									
07	BKN	075			9.00	74	68	70	82	8	35	29.82	07	OVC	050			10.00	67	62	64	84	8	09	29.94	30.03									
10	OVC	032			10.00	76	67	70	74	9	36	29.86	10	OVC	027			8.00	68	62	64	81	12	10	29.92	30.01									
13	OVC	028			8.00	78	66	70	67	8	35	29.85	13	OVC	022			9.00	64	62	63	93	14	09	29.85	29.94									
16	OVC	038			10.00	78	64	69	62	0	00	29.84	16	OVC	005			2.00	65	64	64	97	15	07	29.77	29.85									
19	OVC	055			10.00	77	66	70	69	3	22	29.84	19	OVC	004			2.00	67	67	67	100	5	VR	29.69	29.78									
22	CLR	NC			7.00	70	66	67	87	0	00	29.86	22	OVC	006			9.00	66	65	65	96	9	06	29.67	29.76									
SUNRISE: 0515						AUG 15						SUNSET: 1858						SUNRISE: 0520						AUG 21						SUNSET: 1850					
01	OVC	090			7.00	70	67	68	90	3	25	29.87	01	OVC	007			10.00	66	65	65	96	5	35	29.63	29.72									
04	FEW	NC			5.00 HZ	66	58	61	75	0	00	29.85	04	OVC	004			10.00	65	64	64	97	6	33	29.63	29.72									
07	BKN	080			3.00 HZ	70	62	65	76	0	00	29.89	07	OVC	004			9.00	65	61	63	87	9	28	29.67	29.75									
10	CLR	NC			9.00	79	61	68	54	8	16	29.89	10	OVC	016			10.00	70	63	66	79	13	28	29.68	29.77									
13	CLR	NC			10.00	82	58	67	44	13	14	29.86	13	BKN	038			10.00	77	62	68	60	14	28	29.67	29.76									
16	CLR	NC			10.00	84	61	69	46	14	16	29.79	16	SCT	NC			10.00	81	61	68	51	9	26	29.64	29.72									
19	CLR	NC			5.00 HZ	78	65	70	64	15	15	29.78	19	OVC	065			10.00	77	62	68	60	6	20	29.66	29.75									
22	FEW	NC			5.00 HZ	78	60	67	54	13	17	29.79	22	BKN	110			10.00	73	60	65	64	7	26	29.68	29.76									
SUNRISE: 0516						AUG 16						SUNSET: 1857						SUNRISE: 0521						AUG 22						SUNSET: 1848					
01	CLR	NC			4.00 HZ	76	61	67	60	5	19	29.78	01	BKN	110			10.00	68	60	63	76	5	27	29.69	29.78									
04	CLR	NC			2.50 BR	75	75	75	100	5	21	29.79	04	CLR	NC			10.00	65	59	61	81	7	25	29.70	29.79									
07	CLR	NC			2.00 BR	77	76	76	96	6	22	29.85	07	CLR	NC			10.00	66	59	62	78	0	00	29.73	29.82									
10	CLR	NC			10.00	89	73	78	59	12	22	29.85	10	CLR	NC			10.00	73	58	64	59	9	26	29.75	29.84									
13	CLR	NC			9.00	94	73	79	51	12	20	29.84	13	SCT	NC			10.00	78	58	66	50	12	22	29.73	29.82									
16	FEW	NC			10.00					14	22	29.81	16	SCT	NC			10.00	76	51	62	42	13	24	29.72	29.81									
19	CLR	NC			10.00					6	20	29.79	19	CLR	NC			10.00	70	51	59	51	13	28	29.78	29.87									
22	CLR	NC			10.00								22	CLR	NC			10.00	64	51	57	63	6	22	29.82	29.91									
SUNRISE: 0516						AUG 17						SUNSET: 1855						SUNRISE: 0522						AUG 23						SUNSET: 1847					
01	BKN	100			10.00	82	73	76	74	5	06		01	CLR	NC			10.00	61	54	57	78	6	22	29.83	29.92									
04	CLR	NC			10.00	77	71	73	82	0	00		04	CLR	NC			10.00	61	32	48	34	8	25	29.85	29.93									
07	CLR	NC			7.00	78	72	74	82	6	29		07	CLR	NC			10.00	62	29	47	29	9	25	29.90	29.98									
10	CLR	NC			10.00	85	68	74	57	6	29		10	BKN	034			10.00	69	30	51	23	14	30	29.92	30.01									
13	CLR	NC			10.00	92	66	74	43	8	25		13	OVC	090			10.00	71	30	52	22	10	26	29.92	30.01									
16	CLR	NC			10.00	91	68	75	47	10	35		16	CLR	NC			10.00	76	30	54	18	13	28	29.91	29.99									
19	FEW	NC			10.00	84	67	73	57	5	36		19	CLR	NC			10.00	69	30	51	23	8	28	29.94	30.02									
22	FEW	NC			8.00	77	74	75	90	0	00		22	CLR	NC			10.00	62	31	48	31	8	29	29.98	30.07									
SUNRISE: 0517						AUG 18						SUNSET: 1854						SUNRISE: 0523						AUG 24						SUNSET: 1845					
01	SCT	NC			9.00	75	73	74	94	7	24		01	CLR	NC			10.00	62	29	47	29	5	27	30.02	30.10									
04	FEW	NC			10.00	74	72	73	94	8	25		04	CLR	NC			10.00	57	46	51	67	3	26	30.02	30.11									
07	BKN	044			9.00	74	72	73	94	3	32		07	CLR	NC			10.00	62	43	52	50	6	29	30.06	30.15									
10	OVC	013			2.50 RA BR	65	64	64	97	10	36	29.85	10	CLR	NC			10.00	73	42	57	33	10	32	30.07	30.16									
13	OVC	014			10.00	67	63	64	87	9	35	29.88	13	SCT	NC			10.00	77	47	60	35	6	30	30.03	30.12									
16	CLR	NC			10.00	77	60	66	56	8	35	29.88	16	FEW	NC			10.00	76	46	59	35	0	00	30.01	30.10									
19	CLR	NC			10.00	71	56	62	59	6	30	29.88	19	CLR	NC			10.00	74	47	59	38	0	00	30.02	30.10									
22	CLR	NC			10.00	62	57	59	84	6	32	29.94	22	CLR	NC			10.00	69	51	59	53	5	14	30.05	30.14									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

AUGUST 1997

ILG

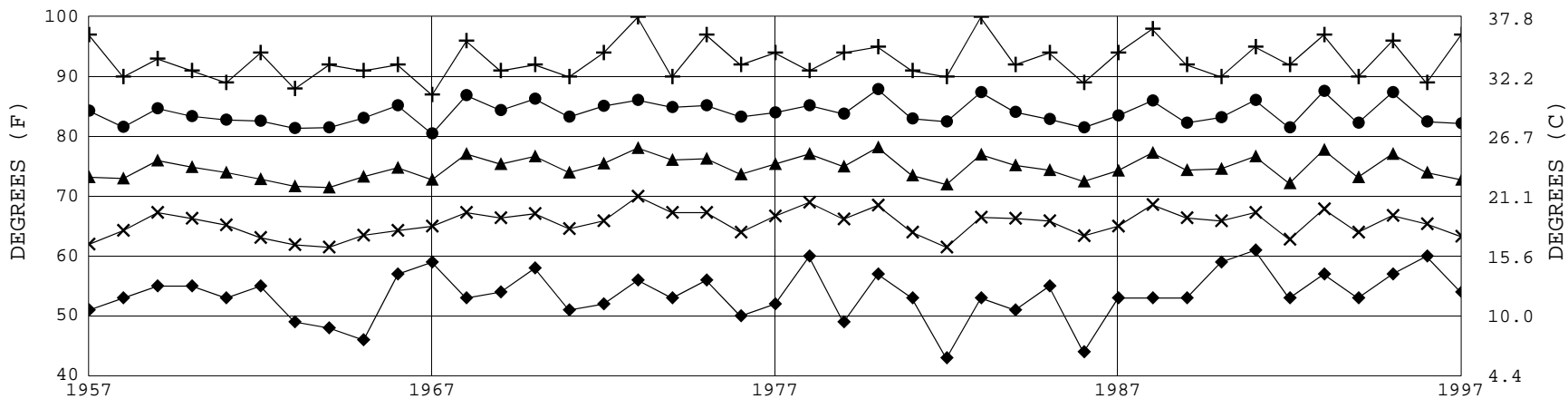
WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		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: 0524						AUG 25						SUNSET: 1844						SUNRISE: 0530						AUG 31						SUNSET: 1835					
01	BKN	110			10.00		66	56	60	70	0	00	30.04	30.13	01	CLR	NC			10.00		66	61	63	84	0	00	29.95	30.04						
04	OVC	100			10.00		64	60	62	87	0	00	30.02	30.11	04	FEW	NC			7.00		63	62	62	97	0	00	29.95	30.04						
07	OVC	100			10.00		66	62	64	87	0	00	30.05	30.14	07	CLR	NC			5.00	BR	65	63	64	93	0	00	30.00	30.09						
10	CLR	NC			10.00		75	58	65	55	6	16	30.05	30.14	10	CLR	NC			10.00		76	66	70	72	5	15	30.00	30.09						
13	CLR	NC			10.00		78	56	65	47	3	VR	30.04	30.12	13	CLR	NC			10.00		80	65	70	60	12	15	29.97	30.06						
16	OVC	090			10.00		77	55	64	47	3	18	30.00	30.09	16	SCT	NC			10.00		80	65	70	60	13	16	29.95	30.04						
19	CLR	NC			10.00		72	59	64	64	12	14	30.02	30.11	19	CLR	NC			10.00		74	65	68	74	12	14	29.98	30.06						
22	CLR	NC			10.00		69	59	63	70	5	14	30.05	30.14	22	OVC	050			10.00		73	65	68	76	9	16	30.01	30.10						
SUNRISE: 0525						AUG 26						SUNSET: 1842						3-HOURLY OBSERVATION NOTES																	
01	BKN	100			10.00		67	60	63	79	0	00	30.03	30.12	Sky Cover is the amount of the sky obscured. CLR = 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	FEW	NC			8.00		61	60	60	97	5	32	30.03	30.11																					
07	CLR	NC			7.00		66	62	64	87	0	00	30.06	30.14																					
10	OVC	065			10.00		74	61	66	64	5	19	30.07	30.16																					
13	CLR	NC			10.00		78	59	66	52	8	15	30.04	30.13																					
16	BKN	070			10.00		78	54	64	43	10	15	30.00	30.09																					
19	OVC	110			10.00		73	61	66	66	10	16	30.00	30.09																					
22	CLR	NC			10.00		69	60	64	73	5	15	30.02	30.11																					
SUNRISE: 0526						AUG 27						SUNSET: 1841																							
01	CLR	NC			10.00		65	59	61	81	5	22	30.00	30.09																					
04	CLR	NC			10.00		64	59	61	84	3	16	29.98	30.06																					
07	SCT	NC			9.00		66	63	64	90	5	19	29.98	30.07																					
10	FEW	NC			10.00		75	67	70	76	8	17	29.99	30.07																					
13	BKN	060			10.00		77	62	68	60	10	16	29.93	30.01																					
16	FEW	NC			10.00		77	65	69	66	16	15	29.87	29.96																					
19	CLR	NC			10.00		72	62	66	71	10	14	29.85	29.94																					
22	CLR	NC			10.00		71	64	67	79	13	17	29.85	29.94																					
SUNRISE: 0527						AUG 28						SUNSET: 1839																							
01	BKN	085			10.00		67	63	64	87	5	19	29.81	29.90																					
04	OVC	041			4.00	RA BR	66	64	65	93	0	00	29.77	29.86																					
07	OVC	030			10.00		68	67	67	96	3	19	29.75	29.84																					
10	OVC	008			10.00		71	67	68	87	0	00	29.75	29.84																					
13	SCT	NC			8.00		79	67	71	67	7	VR	29.73	29.81																					
16	SCT	NC			7.00		81	65	70	58	9	05	29.68	29.77																					
19	BKN	037			6.00	HZ	76	66	70	72	7	22	29.69	29.78																					
22	BKN	070			10.00		69	64	66	84	6	32	29.73	29.81																					
SUNRISE: 0528						AUG 29						SUNSET: 1838																							
01	CLR	NC			6.00	BR	63	61	62	93	3	32	29.70	29.79																					
04	CLR	NC			6.00	BR	62	60	61	93	0	00	29.69	29.78																					
07	CLR	NC			6.00	BR	65	63	64	93	7	32	29.74	29.83																					
10	SCT	NC			10.00		74	62	67	67	12	34	29.75	29.84																					
13	FEW	NC			10.00		77	60	66	56	10	30	29.75	29.83																					
16	FEW	NC			10.00		79	59	67	50	12	30	29.74	29.83																					
19	FEW	NC			10.00		71	60	64	68	10	30	29.79	29.88																					
22	CLR	NC			10.00		66	59	62	78	9	31	29.83	29.92																					
SUNRISE: 0529						AUG 30						SUNSET: 1836																							
01	CLR	NC			10.00		64	59	61	84	10	29	29.85	29.93																					
04	CLR	NC			10.00		60	31	47	33	7	31	29.86	29.95																					
07	CLR	NC			10.00		64	28	48	26	8	34	29.91	30.00																					
10	FEW	NC			10.00		74	41	57	31	7	02	29.93	30.02																					
13	OVC	039			10.00		76	61	67	60	5	16	29.92	30.01																					
16	BKN	049			10.00		79	61	68	54	0	00	29.89	29.98																					
19	CLR	NC			10.00		73	63	67	71	3	19	29.89	29.98																					
22	CLR	NC			10.00		68	62	64	81	0	00	29.93	30.02																					

## SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	DIRECTION	
							STATION	SEA LEVEL				
01			68	60	63	79	29.92	30.00	9.26	5	2	27
02			67	60	63	80	29.92	30.00	8.87	5	2	29
03			66	61	63	84	29.91	30.00	8.61	5	2	28
04			66	58	61	79	29.91	30.00	8.47	4	2	29
05			65	59	62	83	29.92	30.01	8.28	5	2	30
06			66	59	62	82	29.93	30.02	7.86	5	2	29
07			68	60	64	77	29.94	30.03	8.29	5	2	30
08			71	60	65	71	29.94	30.03	8.60	7	2	30
09			74	60	66	64	29.94	30.03	9.32	8	2	32
10			76	60	67	60	29.95	30.03	9.21	7	1	30
11			78	60	67	57	29.94	30.03	9.23	8	0	0
12			79	60	67	55	29.93	30.02	9.42	8	2	22
13			80	60	67	53	29.92	30.00	9.43	8	3	21
14			80	59	67	51	29.91	29.99	9.33	9	3	22
15			81	58	67	49	29.89	29.98	9.43	9	2	22
16			80	59	67	50	29.89	29.98	9.29	9	3	21
17			79	59	67	52	29.88	29.97	9.24	9	3	20
18			77	59	66	56	29.88	29.98	9.06	9	4	18
19			75	60	66	61	29.89	29.98	9.13	7	3	18
20			74	60	65	64	29.90	29.99	9.61	8	4	19
21			72	60	65	68	29.92	30.00	9.52	6	3	18
22			70	60	64	72	29.92	30.01	9.40	6	2	20
23			69	61	64	76	29.92	30.01	9.45	6	2	22
24			69	61	64	77	29.92	30.01	9.52	5	2	25

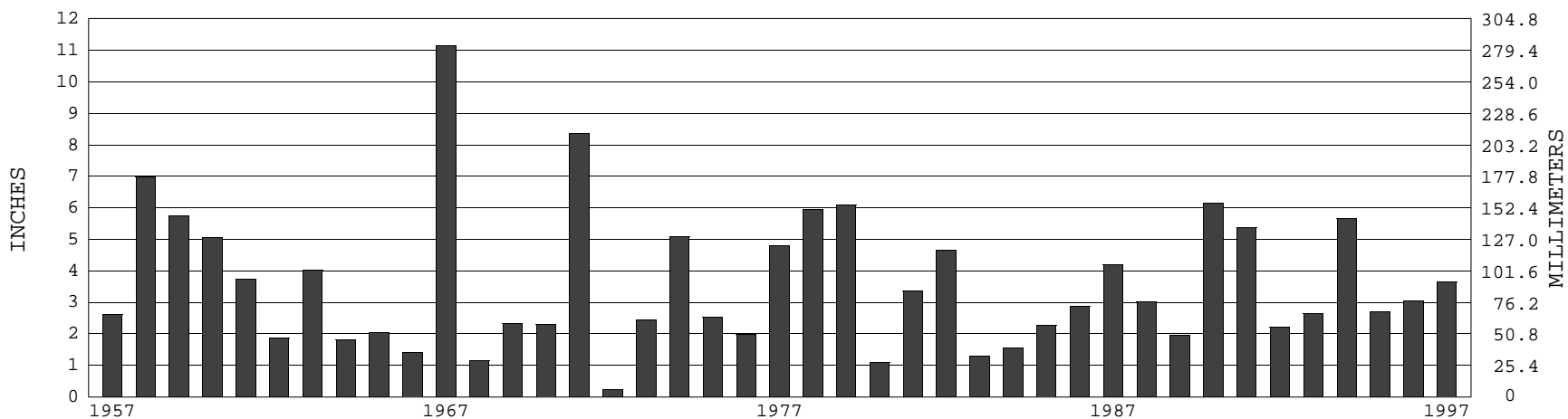
### WILMINGTON, DE AUGUST TEMPERATURES



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

Long-Term (1957-1997) Mean: 74.8    1961-1990 Normal: 75.0

### WILMINGTON, DE AUGUST PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 3.61

1961-1990 Normal: 3.40



**AUGUST 1997  
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.*

ACTING 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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