



# DECEMBER 1997

## 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

DECEMBER 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																																																
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	48	32	40	-1	25	35	25	0	BR				0.00	29.53	29.62	17.0	31	17.5	38*	32	32*	33	01																																														
02	48	33	41	-1	19	32	24	0					0.00	29.93	30.02	13.7	28	14.2	32	28	28	29	02																																														
03	49	28	39	-1	27	34	26	0	RA				0.03	29.98	30.07	2.8	22	6.4	14	29	13	29	03																																														
04	54	41	48	-8	33	41	17	0	RA BR HZ				0.24	29.59	29.67	2.8	25	4.6	13	18	11	18	04																																														
05	45	31	38	-1	26	34	27	0					0.00	29.52	29.60	11.9	27	12.1	30	27	25	28	05																																														
06	39	29	34	-5	19	28	31	0					0.00	29.60	29.69	12.6	26	12.8	28	26	23	28	06																																														
07	42	29	36	-2	24	32	29	0					0.00	29.75	29.84	12.4	26	12.8	29	30	25	29	07																																														
08	46	31	39	1	28	35	26	0	BR HZ				0.00	29.97	30.06	8.3	28	9.1	24	29	21	29	08																																														
09	41	27	34	-4	30	33	31	0	SN BR				T	29.93	30.02	1.6	08	3.7	14	05	13	06	09																																														
10	41	37	39	2	36	38	26	0	RA BR HZ				0.41	29.71	29.79	4.9	04	6.3	16	01	14	04	10																																														
11	40	36	38	1			27	0	RA DZ BR HZ				T	29.90		6.3	03	7.1	16	05	14	04	11																																														
12	44	34	39	2			26		DZ BR				T	29.95		6.3	31	7.9	21	30	17	30	12																																														
13	43	26	35	-1	24	31	30	0	RA				T	29.85	29.94	6.6	26	7.8	21	24	18	23	13																																														
14	44	29	37	1	22	30	28	0					0.00	29.90	29.99	11.6	28	12.1	31	28	28	29	14																																														
15	43	24	34	-2	23	30	31	0	BR HZ				0.00	30.05	30.14	4.8	23	6.3	20	25	16	24	15																																														
16	57	27	42	6	24	35	23	0					0.00	29.97	30.05	3.0	21	4.0	10	18	9	18	16																																														
17	55	25	40	5	26	35	25	0					0.00	29.82	29.91	5.9	30	6.4	20	30	17	29	17																																														
18	47	24	36	1	24	31	29	0	BR HZ				0.00	29.99	30.08	4.7	29	5.9	13	34	11	35	18																																														
19	52	28	40	5	30	36	25	0	BR				0.00	29.96	30.05	3.7	23	4.1	14	24	11	23	19																																														
20	58*	32	45	11	31	38	20	0					0.00	29.91	29.99	5.5	30	6.7	28	32	23	32	20																																														
21	41	23	32	-2	20	28	33	0	BR				0.00	30.20	30.29	4.7	34	5.6	18	01	16	36	21																																														
22	38	25	32	-2	23	29	33	0	RA SN BR				0.27	30.18	30.27	9.9	05	10.2	21	05	18	05	22																																														
23	45	37	41	7	31	36	24	0	RA HZ				0.27	29.87	29.95	8.6	31	9.4	22	06	20	06	23																																														
24	44	29	37	4	30	35	28	0	RA HZ				0.21	30.03	30.12	2.0	09	6.4	16	09	14	09	24																																														
25	56	40	48*	15	31	40	17	0	RA BR HZ				0.56	29.66	29.75	4.9	28	9.3	26	28	21	26	25																																														
26	52	31	42	9	30	38	23	0					0.00	29.81	29.90	7.2	27	8.5	29	28	22	28	26																																														
27	38	30	34	1	32	33	31	0	RA SN BR				0.28	29.70	29.78	6.5	35	7.3	20	35	16	34	27																																														
28	39	26	33	0	24	29	32	0					0.00	29.81	29.90	8.6	31	9.1	21	31	18	31	28																																														
29	43	24	34	2	29	33	31	0	RA BR HZ				0.27	29.60	29.68	7.8	04	10.7	33	01	29	02	29																																														
30	40	32	36	4	28	32	29	0	RA SN BR HZ				0.03	29.20	29.28	16.6	24	16.9	36	27	31	27	30																																														
31	34	21*	28*	-4	11	24	37	0					0.00	29.87	29.96	14.8	28	16.1	32	29	26	27	31																																														
										45.4		29.7	37.6	■ ■			27.2	0.0	< MONTHLY AVERAGES				TOTALS-->					<-- MONTHLY AVERAGES																																									
										1.5	2.1	1.8	■ ■	<----- DEPARTURE FROM NORMAL ----->										- .91	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																																												
<b>DEGREE DAYS</b>										GREATEST 24-HR PRECIPITATION: 0.77 DATE: 24-25										SEA LEVEL PRESSURE DATE TIME																																																	
MONTHLY TOTAL DEPARTURE										SEASON TO DATE TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE: DATE: DATE:										MAXIMUM : 30.41 22 1104																																							
HEATING: 844 -61										1876 87										GREATEST SNOW DEPTH: DATE: DATE: DATE:										MINIMUM : 29.06 30 0543																																							
COOLING: 0 0										941 -105										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 24										PRECIPITATION ≥ 0.01 INCH : 10																			
																														MAXIMUM TEMP ≤ 32 : 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 8																			
																																								THUNDERSTORMS : 0										HEAVY FOG : 0										SNOWFALL ≥ 1.0 INCH : 0									

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## WILMINGTON, DE

DECEMBER 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													02												02			0.00	
03													03												03	0.02		0.03	
04	0.05	0.03	0.07	0.02	0.01	T							04					0.02	0.01	0.01	0.03	T		04	0.25		0.24		
05													05											05			0.00		
06													06											06			0.00		
07													07											07			0.00		
08													08											08			0.00		
09													09											09			T		
10													10	T	0.02	0.07	0.08	0.10	0.04	0.03	0.03	T	0.01	10			0.41		
11						T							11											11			T		
12													12											12	0.00		T		
13													13											13			T		
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		
20													20											20			0.00		
21													21											21			0.00		
22													22		T	T		T	0.01	T	0.01	0.08	0.06	0.04	0.07	22		0.27	
23													23											23			0.27		
24	0.01	0.12	0.13	0.01	T								24							T	0.07	0.06	0.04	0.03	24	0.20		0.21	
25	0.04	0.09	0.10	0.13	0.17	0.03	0.01						25											25	0.57		0.56		
26													26											26			0.00		
27													27	0.02	0.01	0.01	0.02	T	0.02	0.02	0.04	0.01	0.01	0.01	T	27		0.28	
28													28											28			0.00		
29													29				T	0.01	0.06	0.04	0.07	T	0.01	T	0.07	29	0.26	0.27	
30	0.01	T	0.01	T	T	0.01	T	T	0.01	T	T	T	30	T										30	0.04		0.03		
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)	.04	.08	.10	.12	.15	.18	.21	.25	.30	.32	.39	.43
Ending Date	25	25	25	25	25	25	25	25	25	25	25	25
Ending Time (Hour/Min)	0116	0418	0418	0420	0418	0418	0420	0420	0420	0426	0426	0433

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

DECEMBER 1997

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)				
	DRY BULB	DEW POINT		WET BULB	DRY BULB			DEW POINT	WET BULB	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	DRY BULB		DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG			STATION	SEA LEVEL									
SUNRISE: 0704								DEC 01	SUNSET: 1639								SUNRISE: 0710								DEC 07	SUNSET: 1638								
01	OVC	021				5.00	BR	47	46	46	97	7	33	29.27	29.36	01	FEW	NC					10.00				30	17	26	59	13	24	29.63	29.72
04	OVC	017				10.00		47	42	45	83	17	33	29.32	29.41	04	OVC	070					10.00				32	18	27	56	10	25	29.64	29.73
07	OVC	035				10.00		40	28	35	63	20	33	29.43	29.52	07	BKN	110					10.00				32	20	28	61	13	24	29.68	29.77
10	SCT	NC				10.00		42	22	35	45	29	33	29.51	29.60	10	CLR	NC					10.00				37	23	32	57	12	26	29.73	29.82
13	CLR	NC				10.00		43	22	35	43	23	32	29.51	29.60	13	OVC	041					10.00				39	26	34	60	18	28	29.72	29.81
16	CLR	NC				10.00		43	19	34	38	25	30	29.59	29.68	16	OVC	060					10.00				40	27	35	60	12	27	29.77	29.86
19	CLR	NC				10.00		38	14	30	37	13	30	29.68	29.78	19	OVC	060					10.00				39	27	34	62	12	26	29.83	29.92
22	CLR	NC				10.00		33	14	27	45	9	30	29.75	29.84	22	OVC	046					10.00				39	27	34	62	10	26	29.87	29.96
SUNRISE: 0705								DEC 02	SUNSET: 1639								SUNRISE: 0711								DEC 08	SUNSET: 1638								
01	CLR	NC				10.00		34	18	29	52	14	27	29.77	29.86	01	OVC	044					10.00				40	27	35	60	14	27	29.89	29.98
04	CLR	NC				10.00		34	19	29	54	17	28	29.80	29.89	04	BKN	048					10.00				39	26	34	60	9	25	29.91	30.00
07	CLR	NC				10.00		33	18	28	54	14	28	29.86	29.95	07	CLR	NC					10.00				35	27	32	72	7	25	29.95	30.04
10	CLR	NC				10.00		40	19	32	43	23	30	29.92	30.01	10	FEW	NC					10.00				43	30	38	60	12	28	30.01	30.10
13	CLR	NC				10.00		46	18	36	33	21	29	29.93	30.02	13	BKN	035					10.00				45	29	38	54	15	29	29.97	30.06
16	CLR	NC				10.00		46	17	36	31	12	30	29.95	30.04	16	BKN	035					10.00				42	28	36	58	14	29	29.96	30.05
19	CLR	NC				10.00		40	18	32	41	7	27	30.03	30.12	19	OVC	035					10.00				39	28	35	65	6	27	30.00	30.09
22	CLR	NC				10.00		36	21	31	55	8	25	30.04	30.13	22	CLR	NC					9.00				34	28	32	79	5	01	29.98	30.07
SUNRISE: 0706								DEC 03	SUNSET: 1638								SUNRISE: 0712								DEC 09	SUNSET: 1638								
01	CLR	NC				10.00		33	22	29	64	8	26	30.07	30.16	01	CLR	NC					7.00				30	26	29	85	0	00	29.98	30.07
04	CLR	NC				10.00		29	22	27	75	9	30	30.06	30.15	04	CLR	NC					6.00	BR			29	27	28	92	5	04	29.96	30.05
07	CLR	NC				10.00		31	23	28	72	7	27	30.09	30.18	07	CLR	NC					10.00				32	27	30	82	8	06	29.95	30.04
10	CLR	NC				10.00		40	26	35	58	9	30	30.09	30.18	10	BKN	110					10.00				37	26	33	65	7	08	29.97	30.06
13	CLR	NC				10.00		46	25	38	44	5	19	30.01	30.10	13	BKN	014					9.00				39	32	36	76	3	VR	29.91	30.00
16	CLR	NC				10.00		47	30	40	52	6	17	29.95	30.04	16	OVC	022					10.00				40	32	37	73	0	00	29.89	29.98
19	CLR	NC				10.00		40	31	36	70	5	17	29.90	29.99	19	OVC	030					10.00				40	32	37	73	0	00	29.90	29.98
22	OVC	090				10.00		42	30	37	62	0	00	29.80	29.89	22	OVC	029					10.00				39	32	36	76	3	22	29.90	29.99
SUNRISE: 0707								DEC 04	SUNSET: 1638								SUNRISE: 0712								DEC 10	SUNSET: 1638								
01	OVC	028				4.00	-RA	42	32	38	68	8	19	29.73	29.82	01	OVC	065					8.00				38	32	36	79	3	26	29.87	29.96
04	OVC	012				4.00	-RA	44	31	39	60	6	18	29.65	29.74	04	OVC	043					9.00				39	32	36	76	0	00	29.82	29.91
07	OVC	006				4.00	BR	45	45	45	100	0	00	29.60	29.69	07	SCT	NC					7.00				38	34	36	86	0	00	29.82	29.91
10	OVC	002				2.50	HZ	46	32	40	58	6	30	29.60	29.69	10	OVC	022					5.00	-RA BR			39	35	37	86	6	15	29.83	29.92
13	BKN	090				6.00	HZ	53	30	43	41	3	VR	29.54	29.62	13	OVC	014					4.00	-RA BR			40	37	39	89	8	07	29.66	29.75
16	OVC	090				4.00	HZ	52	32	43	47	5	32	29.51	29.59	16	OVC	005					1.50	RA BR			41	40	41	96	12	06	29.54	29.63
19	OVC	055				4.00	-RA	49	30	41	48	9	28	29.56	29.64	19	OVC	007					2.00	-RA BR			40	39	40	97	13	01	29.58	29.67
22	OVC	075				4.00	HZ	46	31	40	56	5	26	29.54	29.62	22	OVC	007					5.00	BR			38	37	38	97	10	02	29.60	29.69
SUNRISE: 0708								DEC 05	SUNSET: 1638								SUNRISE: 0713								DEC 11	SUNSET: 1638								
01	OVC	060				9.00		44	31	39	60	5	28	29.50	29.59	01	OVC	007					10.00				38	36	37	93	7	35	29.65	29.75
04	OVC	090				9.00		42	31	37	65	8	29	29.49	29.58	04	OVC	007					10.00				37	36	37	96	6	31	29.74	29.83
07	OVC	110				10.00		39	27	34	62	7	28	29.48	29.57	07	OVC	009					10.00				36	35	36	97	9	03	29.82	29.91
10	OVC	049				10.00		41	26	35	55	12	26	29.50	29.58	10	OVC	009					6.00	BR			38	35	37	89	8	05	29.92	30.01
13	BKN	090				10.00		43	27	37	53	17	28	29.44	29.53	13	OVC	009					5.00	HZ			40	30	36	68	8	03	29.92	30.01
16	OVC	060				10.00		41	23	34	49	16	27	29.49	29.58	16	OVC	009					3.00	HZ			39	32	36	76	6	07	29.98	30.07
19	CLR	NC				10.00		35	22	30	59	12	27	29.58	29.67	19	OVC	007					6.00	HZ							12	05	29.99	
22	CLR	NC				10.00		32	21	28	64	9	25	29.61	29.70	22	OVC	007					8.00				37				7	04	30.02	
SUNRISE: 0709								DEC 06	SUNSET: 1638								SUNRISE: 0714								DEC 12	SUNSET: 1639								
01	CLR	NC				10.00		30	19	26	64	10	24	29.58	29.67	01	OVC	005					4.00	DZ BR							7	03	29.99	
04	CLR	NC				10.00		31	22	28	69	12	25	29.56	29.65	04	OVC	008					10.00								6	02	29.98	
07	OVC	055				10.00		32	20	28	61	8	25	29.59	29.68	07	OVC	023					7.00				36	35	36	97	5	36	29.97	
10	SCT	NC				10.00		35	20	30	54	14	24	29.62	29.71	10	OVC	006					6.00	BR			38	36	37	93	6	31	29.97	
13	FEW	NC				10.00		39	17	31	41	17	27	29.56	29.65	13	OVC	022					7.00				42	36	39	79	12	28	29.91	
16	OVC	080				10.00		36	16	29	44	20	26	29.59	29.68	16	OVC	040					9.00				42	31	37	65	13	30	29.90	
19	CLR	NC				10.00		32	20	28	61	9	25	29.64	29.73	19	OVC	041					10.00				38	27	34	65	12	30	29.93	30.02
22	CLR	NC				10.																												

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

DECEMBER 1997

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)																	
SUNRISE: 0715				DEC 13				SUNSET: 1639				SUNRISE: 0719				DEC 19				SUNSET: 1641					
01	CLR	NC		30	25	28	82	7	26	29.90	29.99	01	CLR	NC		33	28	31	82	3	26	29.99	30.08		
04	CLR	NC		28	19	25	69	5	23	29.88	29.97	04	CLR	NC		33	28	31	82	3	18	29.98	30.07		
07	CLR	NC		27	21	25	78	7	24	29.90	29.99	07	CLR	NC		29	27	28	92	6	20	29.98	30.07		
10	CLR	NC		35	23	31	61	5	30	29.90	29.99	10	CLR	NC		38	32	36	79	7	23	29.99	30.09		
13	CLR	NC		41	27	35	57	10	25	29.83	29.92	13	FEW	NC		48	29	40	48	7	25	29.94	30.03		
16	CLR	NC		42	28	36	58	8	22	29.78	29.87	16	CLR	NC		50	31	42	48	7	23	29.91	30.00		
19	CLR	NC		36	23	31	59	5	30	29.78	29.87	19	CLR	NC		45	31	39	58	3	21	29.95	30.04		
22	CLR	NC		35	25	31	67	10	31	29.80	29.89	22	CLR	NC		41	30	37	65	3	26	29.94	30.03		
SUNRISE: 0715				DEC 14				SUNSET: 1639				SUNRISE: 0719				DEC 20				SUNSET: 1641					
01	CLR	NC		35	24	31	64	12	29	29.81	29.90	01	CLR	NC		39	31	36	73	6	18	29.92	30.01		
04	CLR	NC		32	22	28	66	7	26	29.82	29.91	04	CLR	NC		36	31	34	82	3	26	29.91	29.99		
07	CLR	NC		31	21	28	67	9	27	29.86	29.95	07	CLR	NC		36	30	34	79	0	00	29.89	29.98		
10	CLR	NC		38	23	32	55	15	28	29.92	30.01	10	CLR	NC		45	32	39	61	3	27	29.90	29.98		
13	CLR	NC		42	21	34	43	23	29	29.86	29.95	13	CLR	NC		57	31	45	37	12	25	29.80	29.88		
16	CLR	NC		42	21	34	43	18	29	29.89	29.98	16	OVC	100		54	32	44	43	14	30	29.82	29.90		
19	CLR	NC		33	20	29	59	7	27	29.94	30.03	19	SCT	NC		43	32	38	65	13	33	29.95	30.04		
22	CLR	NC		30	22	27	72	10	29	29.99	30.08	22	CLR	NC		37	29	34	73	5	28	30.01	30.10		
SUNRISE: 0716				DEC 15				SUNSET: 1639				SUNRISE: 0720				DEC 21				SUNSET: 1642					
01	CLR	NC		29	20	26	69	10	30	30.03	30.12	01	CLR	NC		34	29	32	82	0	00	30.04	30.13		
04	CLR	NC		30	21	27	69	0	00	30.02	30.11	04	CLR	NC	BR	26	24	25	92	5	28	30.10	30.19		
07	CLR	NC		26	21	24	81	3	19	30.04	30.14	07	CLR	NC		26	23	25	88	5	32	30.16	30.25		
10	CLR	NC		35	25	31	67	9	23	30.12	30.21	10	CLR	NC		35	20	30	54	16	01	30.22	30.31		
13	CLR	NC		41	25	35	53	10	22	30.06	30.15	13	CLR	NC		40	17	32	40	10	02	30.19	30.28		
16	CLR	NC		41	24	35	51	9	22	30.03	30.12	16	CLR	NC		40	14	31	35	3	32	30.22	30.32		
19	CLR	NC		35	25	31	67	6	20	30.06	30.15	19	CLR	NC		33	16	28	49	3	33	30.26	30.35		
22	CLR	NC		33	26	31	75	5	22	30.04	30.13	22	CLR	NC		30	16	26	56	3	34	30.29	30.38		
SUNRISE: 0717				DEC 16				SUNSET: 1640				SUNRISE: 0720				DEC 22				SUNSET: 1642					
01	CLR	NC		32	28	31	85	0	00	30.02	30.11	01	CLR	NC		28	16	24	61	5	01	30.29	30.38		
04	CLR	NC		29	23	27	78	5	28	30.02	30.11	04	CLR	NC		26	14	22	60	3	03	30.28	30.37		
07	CLR	NC		28	22	26	78	6	19	30.03	30.12	07	CLR	NC		28	16	24	61	9	06	30.30	30.39		
10	CLR	NC		43	25	36	49	0	00	30.06	30.15	10	OVC	055		30	18	26	61	9	07	30.31	30.40		
13	CLR	NC		56	24	43	29	5	14	29.95	30.04	13	OVC	055		34	23	30	64	14	06	30.21	30.30		
16	CLR	NC		56	19	41	24	8	19	29.90	29.99	16	OVC	065		35	25	31	67	14	05	30.14	30.24		
19	CLR	NC		44	25	37	47	5	17	29.90	29.99	19	OVC	035		35	31	33	85	14	04	30.08	30.17		
22	CLR	NC		39	22	33	50	0	00	29.88	29.97	22	OVC	006		4.00	-RA BR	34	89	10	05	29.97	30.06		
SUNRISE: 0717				DEC 17				SUNSET: 1640				SUNRISE: 0721				DEC 23				SUNSET: 1643					
01	CLR	NC		30	24	28	79	5	27	29.84	29.93	01	OVC	002		5.00	-RA	40	32	37	73	10	04	29.81	29.90
04	CLR	NC		30	25	28	82	0	00	29.79	29.88	04	OVC	032		8.00	-RA	37	32	35	82	12	33	29.78	29.87
07	CLR	NC		29	23	27	78	3	20	29.80	29.89	07	OVC	034		10.00		38	31	35	76	9	32	29.80	29.89
10	CLR	NC		46	25	38	44	6	29	29.83	29.92	10	OVC	036		9.00		40	31	36	70	7	29	29.86	29.95
13	CLR	NC		54	26	42	34	12	29	29.77	29.86	13	OVC	060		10.00		45	30	39	56	12	29	29.81	29.90
16	CLR	NC		50	29	41	44	9	30	29.79	29.88	16	OVC	029		10.00		44	25	37	47	12	29	29.86	29.95
19	CLR	NC		45	29	38	54	10	32	29.83	29.92	19	OVC	027		10.00		41	32	37	70	6	27	29.94	30.03
22	CLR	NC		37	30	34	76	8	33	29.88	29.97	22	OVC	080		9.00		40	32	37	73	3	27	29.96	30.05
SUNRISE: 0718				DEC 18				SUNSET: 1640				SUNRISE: 0721				DEC 24				SUNSET: 1643					
01	CLR	NC		33	26	31	75	7	31	29.91	30.00	01	OVC	085		10.00		39	32	36	76	7	32	29.98	30.06
04	CLR	NC		29	24	27	82	7	30	29.93	30.02	04	CLR	NC		10.00		37	30	34	76	6	27	30.02	30.11
07	CLR	NC		25	22	24	88	7	30	29.97	30.06	07	CLR	NC		7.00		31	25	29	79	3	24	30.08	30.17
10	CLR	NC		38	26	33	62	9	36	30.04	30.13	10	OVC	030		10.00		38	31	35	76	3	31	30.14	30.23
13	CLR	NC		45	25	37	46	5	26	29.98	30.07	13	FEW	NC		10.00		44	30	38	58	5	09	30.08	30.16
16	CLR	NC		45	24	37	44	9	25	29.99	30.08	16	BKN	034		10.00		42	30	37	62	7	16	30.05	30.14
19	CLR	NC		34	22	30	61	5	27	30.02	30.11	19	OVC	100		10.00		40	32	37	73	8	14	30.04	30.13
22	CLR	NC		36	26	32	67	5	24	30.01	30.10	22	OVC	060		5.00	-RA	38	32	36	79	9	09	29.93	30.02

# OBSERVATIONS AT 3-HOURLY INTERVALS

# WILMINGTON, DE

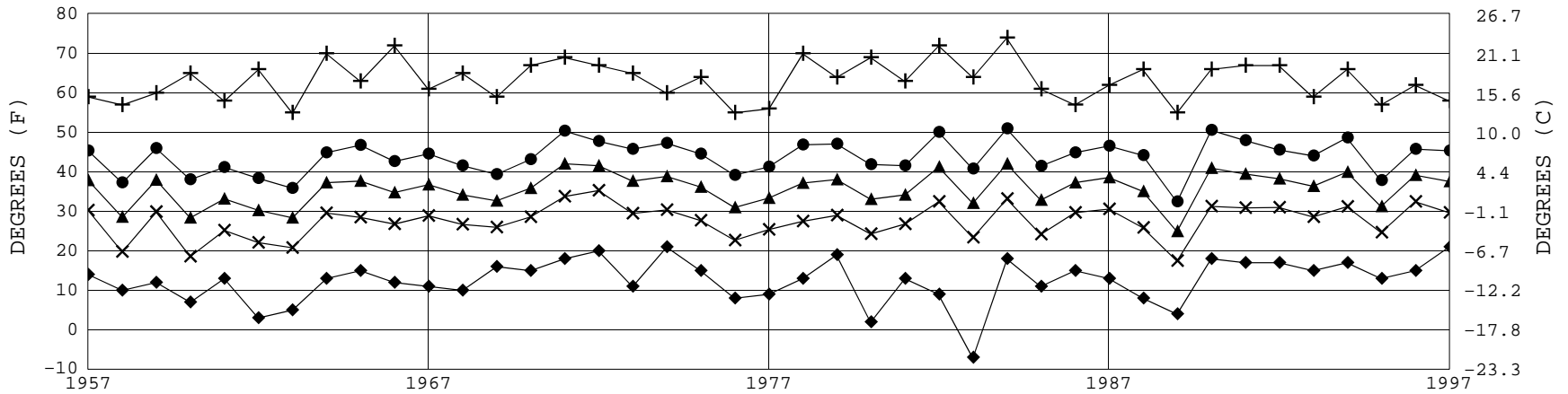
DECEMBER 1997

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		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: 0721							DEC 25	SUNSET: 1644							SUNRISE: 0723							DEC 31	SUNSET: 1648							
01	OVC	004			4.00	-RA	40	32	37	73	12	07	29.79	29.88	01	CLR	NC			10.00			30	12	25	47	16	27	29.54	29.63
04	OVC	002			3.00	RA	42	31	37	65	10	06	29.61	29.70	04	CLR	NC			10.00			29	15	25	56	14	24	29.60	29.69
07	OVC	002			4.00	HZ	44	29	38	55	12	29	29.58	29.67	07	CLR	NC			10.00			29	15	25	56	13	24	29.69	29.78
10	OVC	018			7.00		44	29	38	55	7	25	29.64	29.72	10	CLR	NC			10.00			32	19	28	59	17	26	29.81	29.90
13	CLR	NC			10.00		52	31	43	45	15	28	29.60	29.68	13	FEW	NC			10.00			34	12	27	40	18	28	29.83	29.92
16	CLR	NC			10.00		54	31	44	42	15	27	29.64	29.72	16	FEW	NC			10.00			30	9	24	41	21	31	29.93	30.03
19	SCT	NC			10.00		48	32	41	54	7	26	29.71	29.80	19	CLR	NC			10.00			26	3	20	37	18	29	30.08	30.17
22	BKN	060			10.00		43	32	38	65	7	18	29.74	29.83	22	CLR	NC			10.00			23	2	18	40	20	30	30.20	30.29
SUNRISE: 0722							DEC 26	SUNSET: 1645							3-HOURLY OBSERVATION NOTES															
01	OVC	050			10.00		45	31	39	58	9	21	29.75	29.83	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.															
04	OVC	050			10.00		45	31	39	58	7	21	29.74	29.83	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.															
07	OVC	047			10.00		48	30	40	50	15	27	29.79	29.87	NC = No ceiling detected.															
10	CLR	NC			10.00		49	30	41	48	13	27	29.82	29.91	& = Original observation contained additional weather elements.															
13	FEW	NC			10.00		51	30	42	45	15	31	29.78	29.87	See page 3 for additional notes.															
16	OVC	049			10.00		48	29	40	48	12	27	29.82	29.91																
19	CLR	NC			10.00		42	30	37	62	6	26	29.88	29.96																
22	CLR	NC			10.00		36	28	33	73	3	20	29.88	29.97																
SUNRISE: 0722							DEC 27	SUNSET: 1645																						
01	CLR	NC			7.00		31	29	30	92	3	32	29.83	29.92																
04	BKN	090			9.00		35	31	33	85	3	31	29.82	29.91																
07	OVC	037			9.00		37	32	35	82	0	00	29.83	29.92																
10	OVC	003			2.50	-RASN BR	34	32	33	92	8	03	29.80	29.90																
13	OVC	005			1.75	SN BR	34	32	33	92	9	04	29.63	29.72																
16	OVC	007			2.00	SN BR	34	32	33	92	10	34	29.57	29.66																
19	OVC	010			1.75	SN BR	33	32	33	96	8	33	29.57	29.66																
22	OVC	018			6.00	SN BR	33	32	33	96	9	33	29.57	29.66																
SUNRISE: 0722							DEC 28	SUNSET: 1646																						
01	OVC	055			10.00		34	30	32	85	12	32	29.58	29.67																
04	CLR	NC			10.00		31	25	29	79	15	31	29.64	29.73																
07	CLR	NC			10.00		29	24	27	82	13	30	29.73	29.82																
10	CLR	NC			10.00		34	25	31	70	14	33	29.83	29.92																
13	CLR	NC			10.00		38	23	32	55	12	31	29.83	29.93																
16	CLR	NC			10.00		37	21	31	52	9	31	29.88	29.97																
19	CLR	NC			10.00		31	20	27	64	3	23	29.91	30.00																
22	CLR	NC			10.00		28	21	26	75	0	00	29.95	30.04																
SUNRISE: 0723							DEC 29	SUNSET: 1647																						
01	CLR	NC			6.00	BR	25	24	25	96	0	00	29.96	30.05																
04	SCT	NC			10.00		29	24	27	82	6	17	29.94	30.03																
07	CLR	NC			10.00		30	26	29	85	5	10	29.91	30.00																
10	SCT	NC			10.00		36	28	33	73	7	09	29.86	29.95																
13	OVC	036			10.00		39	28	35	65	13	04	29.66	29.75																
16	OVC	015			9.00	-RA	39	32	36	76	15	02	29.50	29.59																
19	OVC	009			7.00	-RA	41	32	37	70	22	04	29.25	29.34																
22	OVC	011			10.00		43	32	38	65	21	03	29.01	29.09																
SUNRISE: 0723							DEC 30	SUNSET: 1647																						
01	OVC	021			10.00		38	31	35	76	13	27	29.01	29.09																
04	OVC	008			10.00	-RA	35	32	34	89	14	22	28.99	29.07																
07	OVC	011			4.00	-SNRA BR	33	32	33	96	17	23	29.02	29.10																
10	OVC	024			2.00	-SN BR	33	31	32	92	23	24	29.13	29.21																
13	OVC	028			10.00		36	28	33	73	23	24	29.18	29.26																
16	FEW	NC			10.00		37	25	32	62	21	25	29.26	29.35																
19	CLR	NC			10.00		35	23	31	61	14	24	29.38	29.47																
22	OVC	055			10.00		36	24	32	62	15	24	29.47	29.56																

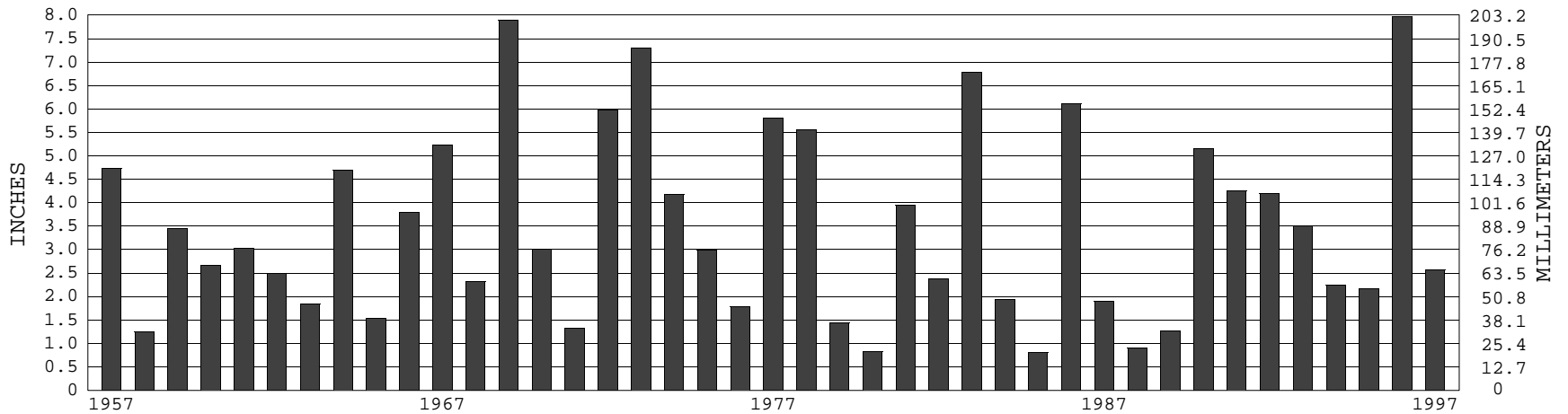
### WILMINGTON, DE DECEMBER TEMPERATURES



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

Long-Term (1957-1997) Mean: 35.7      1961-1990 Normal: 35.8

### WILMINGTON, DE DECEMBER PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 3.50

1961-1990 Normal: 3.48



**DECEMBER 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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