



MAY 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

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	75	53	64	7	51	56	1	0	RA HZ				0.08	29.53	29.61	9.5	22	15.3	44	29	36	28	01																															
02	67	47	57	-1	36	47	8	0					0.00	29.91	29.99	7.5	27	12.6	34	30	31	29	02																															
03	74	52	63	5	56	58	2	0	TSRA RA BR				0.25	29.60	29.69	10.7	17	13.8	37	28	28	19	03																															
04	64	47	56	-2	35	46	9	0	RA				T	29.78	29.87	13.9	29	14.3	31	29	28	27	04																															
05	68	38	53	-6	34	46	12	0					0.00	29.99	30.07	8.9	21	11.0	24	17	21	17	05																															
06	71	52	62	3	40	50	3	0	RA				0.04	29.79	29.87	10.2	26	15.8	45*	29	40*	29	06																															
07	61	43	52	-7	26	41	13	0					0.00	30.04	30.12	13.9	31	13.0	36	31	28	31	07																															
08	62	34*	48*	-12	32	43	17	0	RA				0.06	30.04	30.13	3.5	25	7.6	22	16	20	16	08																															
09	61	48	55	-5	50	52	10	0	RA FG+ BR				0.02	29.70	29.78	4.3	27	5.6	28	31	22	30	09																															
10	60	48	54	-7	40	47	11	0						29.70	29.78	16.6	29	16.9	34	27	26	28	10																															
11	68	43	56	-5	35	47	9	0						29.83	29.91	12.0	27	13.1	30	27	24	26	11																															
12	77	51	64	3	46	54	1	0					0.00	29.66	29.75	11.5	20	11.2	30	19	26	20	12																															
13	62	45	54	-8	45	51	11	0					0.00	29.63	29.71	8.0	32	7.9	21	33	17	33	13																															
14	69	43	56	-6	43	50	9	0	RA BR				T	29.73	29.81	7.6	21	9.6	24	21	21	20	14																															
15	73	49	61	-1	48	55	4	0	RA				0.03	29.59	29.68	6.9	26	9.7	31	31	24	31	15																															
16	62	48	55	-7	35	45	10	0					0.00	29.74	29.83	14.6	27	15.4	38	29	31	28	16																															
17	67	44	56	-7	42	50	9	0	RA				T	29.76	29.84	10.2	22	10.3	29	25	23	23	17																															
18	63	49	56	-7	43	50	9	0	RA				T	29.86	29.94	4.4	14	7.8	18	16	15	16	18																															
19	87*	53	70*	6	59	64	0	5	RA BR				0.01	29.65	29.73	8.8	21	10.9	25	29	22	29	19																															
20	72	56	64	0	50	57	1	0	RA BR				0.04	29.72	29.81	9.9	30	10.8	26	36	22	29	20																															
21	64	45	55	-9	35	46	10	0	HZ				0.00	29.90	29.99	12.0	30	12.2	31	29	26	30	21																															
22	66	45	56	-9	34	45	9	0					0.00	29.97	30.05	12.8	30	13.3	32	30	26	31	22																															
23	71	43	57	-8	39	49	8	0					0.00	30.07	30.15	8.3	29	9.3	21	31	18	30	23																															
24	77	49	63	-2	30	49	2	0					0.00	29.99	30.07	3.7	21	7.0	21	15	18	16	24																															
25	71	60	66	1	60	62	0	1	RA FG BR HZ				0.26	29.69	29.78	3.4	22	5.5	24	33	21	34	25																															
26	71	56	64	-2	48	55	1	0	RA BR				T	29.78	29.87	6.3	36	8.1	21	36	18	36	26																															
27	67	51	59	-7	42	50	6	0					0.00	30.16	30.24	7.0	05	10.6	22	04	18	04	27																															
28	72	41	57	-9	39	49	8	0					0.00	30.31	30.40	4.6	02	6.3	21	16	18	16	28																															
29	68	48	58	-9	46	52	7	0					0.00	30.28	30.36	6.9	16	8.5	26	16	24	16	29																															
30	71	56	64	-3	59	60	1	0	RA				0.03	30.13	30.22	6.4	14	7.7	18	17	16	16	30																															
31	76	60	68	0	62	64	0	3	RA BR				T	29.95	30.03	5.7	08	6.6	16	09	13	09	31																															
< MONTHLY AVERAGES											TOTALS-->			0.82	29.85	29.94	4.4	28	10.6	<- MONTHLY AVERAGES																																		
-4.0											-3.9		-3.9		<----- DEPARTURE FROM NORMAL ----->											-3.02		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																										
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 0.26 DATE: 25											SEA LEVEL PRESSURE DATE TIME																																
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE:											MAXIMUM : 30.46 28 0837																																
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH: DATE:											MINIMUM : 29.41 01 1633																																
HEATING: 201 79											NUMBER OF DAYS WITH =>											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH : 10										
COOLING: 9 -35																						MAXIMUM TEMP ≤ 32 : 0											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 2										
																						THUNDERSTORMS : 1											HEAVY FOG : 1											SNOWFALL ≥ 1.0 INCH : 0										

MAY 1997 WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

MAY 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												T	01	T	T	T	0.01			0.07					01		0.08		
02													02												02		0.00		
03				0.02	T	0.03	0.03		0.02	0.02	0.01		03								T	0.09	T		03	0.22	0.25		
04				T									04												04		T		
05													05												05		0.00		
06	T			0.01	0.01	0.02	T						06	T	T										06		0.04		
07													07												07		0.00		
08													08												08		0.00		
09	0.01	T	T								T	0.01	09	T	T	T	T	T		T	T	0.03	T	0.02	0.01	09	0.06		
10													10												10		0.02		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
14													14												14		T		
15						T							15								T	T	0.03		15		0.03		
16													16												16		0.00		
17													17	T	T										17		T		
18						T	T				T		18												18		T		
19	T	T	0.01	T	T	T							19												19		0.01		
20				T	T	T					T		20												20		0.04		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25								0.01	T		T	T	25	T	0.03	0.01	T	T	T	0.13	0.07	0.01	T	T	25		0.26		
26			T	T	T	T	T	T	T				26												26		T		
27													27												27		0.00		
28													28												28		0.00		
29													29												29		0.00		
30			T	T	0.02	0.01	T	T					30												30		0.03		
31													31												31		T		

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

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 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.

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	PE 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 MAY 1997

Ceilorometer (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.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							6.00	10.00	
02							10.00	10.00	
03							1.50	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							8.00	10.00	
07							10.00	10.00	
08							6.00	10.00	
09							.50	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							9.00	10.00	
14							5.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							2.50	10.00	
20							5.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							.50	10.00	
26							5.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							7.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							7.81	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 4 21									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MAY 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: 0503						MAY 01						SUNSET: 1857						SUNRISE: 0456						MAY 07						SUNSET: 1902					
01	CLR	NC			10.00		53	45	49	74	9	13	29.65	29.74	01	CLR	NC			10.00		51	29	42	43	13	28	29.97	30.06						
04	CLR	NC			10.00		55	48	51	77	13	16	29.58	29.66	04	CLR	NC			10.00		45	22	36	40	13	28	30.00	30.08						
07	CLR	NC			8.00		59	54	56	83	15	17	29.55	29.64	07	CLR	NC			10.00		47	24	38	41	12	30	30.07	30.16						
10	OVC	019			6.00	HZ	66	58	61	75	17	20	29.50	29.59	10	CLR	NC			10.00		53	26	42	35	17	30	30.08	30.17						
13	BKN	095			7.00		70	60	64	71	17	20	29.43	29.52	13	SCT	NC			10.00		58	26	44	30	15	30	30.02	30.10						
16	CLR	NC			10.00		75	61	66	62	18	19	29.35	29.44	16	FEW	NC			10.00		60	27	46	28	21	32	29.97	30.06						
19	CLR	NC			10.00		63	47	54	56	18	27	29.46	29.54	19	CLR	NC			10.00		54	23	41	30	9	33	30.01	30.09						
22	BKN	060			10.00		57	39	48	51	20	28	29.66	29.75	22	CLR	NC			10.00		48	26	39	42	0	00	30.09	30.18						
SUNRISE: 0502						MAY 02						SUNRISE: 0455						MAY 08						SUNSET: 1902											
01	CLR	NC			10.00		51	35	44	54	20	28	29.75	29.84	01	CLR	NC			10.00		40	30	36	68	5	25	30.10	30.18						
04	CLR	NC			10.00		49	31	41	50	21	30	29.80	29.88	04	CLR	NC			10.00		39	29	35	67	5	31	30.10	30.19						
07	CLR	NC			10.00		50	30	41	46	12	30	29.91	30.00	07	CLR	NC			10.00		47	32	41	56	7	32	30.12	30.21						
10	CLR	NC			10.00		57	32	46	39	16	28	29.97	30.05	10	CLR	NC			10.00		57	27	44	32	6	28	30.12	30.21						
13	CLR	NC			10.00		63	33	49	33	9	24	29.94	30.03	13	CLR	NC			10.00		59	27	45	29	5	VR	30.05	30.14						
16	CLR	NC			10.00		66	37	52	34	10	22	29.94	30.03	16	CLR	NC			10.00		60	32	47	35	7	20	29.98	30.07						
19	CLR	NC			10.00		61	41	51	48	6	17	29.92	30.01	19	OVC	065			10.00	-RA	55	42	49	62	8	14	29.96	30.04						
22	CLR	NC			10.00		55	51	53	87	10	14	29.93	30.02	22	OVC	043			6.00	-RA	51	41	46	69	10	15	29.93	30.02						
SUNRISE: 0501						MAY 03						SUNRISE: 0454						MAY 09						SUNSET: 1903											
01	CLR	NC			10.00		55	45	50	69	8	17	29.90	29.98	01	OVC	007			4.00	-RA	50	42	46	74	3	24	29.84	29.93						
04	OVC	034			5.00	TSRA	53	48	50	83	9	12	29.83	29.92	04	BKN	016			7.00		49	48	48	97	5	03	29.77	29.86						
07	OVC	016			3.00	RA BR	55	54	54	96	17	15	29.77	29.85	07	SCT	NC			3.00	BR	52	50	51	93	3	VR	29.78	29.87						
10	OVC	004			3.00	-RA BR	59	59	59	100	24	15	29.59	29.68	10	FEW	NC			9.00		57	51	54	81	0	00	29.74	29.83						
13	OVC	021			9.00		69	64	66	84	14	18	29.47	29.56	13	OVC	050			9.00	-RA	58	53	55	84	3	26	29.68	29.77						
16	CLR	NC			10.00		74	61	66	64	21	19	29.38	29.47	16	SCT	NC			10.00	-RA	57	52	54	83	13	22	29.59	29.68						
19	CLR	NC			10.00		70	57	62	64	16	20	29.39	29.48	19	BKN	060			10.00		57	53	55	87	0	00	29.59	29.67						
22	OVC	095			10.00		58	56	57	93	7	22	29.52	29.61	22	OVC	110			10.00		54	45	49	72	10	28	29.63	29.72						
SUNRISE: 0460						MAY 04						SUNRISE: 0453						MAY 10						SUNSET: 1904											
01	CLR	NC			10.00		56	45	50	67	13	27	29.57	29.66	01	OVC	120			10.00		52	42	47	69	14	28	29.62	29.70						
04	BKN	080			10.00		50	39	45	66	15	29	29.62	29.71	04	BKN	095			10.00		50	41	46	71	15	27	29.62	29.71						
07	CLR	NC			10.00		50	36	44	59	22	29	29.73	29.82	07	CLR	NC			10.00		52	41	47	66	16	28	29.64	29.72						
10	CLR	NC			10.00		57	38	48	49	20	30	29.79	29.88	10	BKN	040			10.00		57	42	50	58	21	29	29.67	29.76						
13	BKN	085			10.00		62	35	49	37	17	28	29.78	29.87	13	BKN	044			10.00		60	42	51	52	18	30	29.68	29.77						
16	SCT	NC			10.00		60	30	47	32	13	29	29.80	29.89	16	OVC	046			10.00		54	39	47	57	22	29	29.71	29.80						
19	BKN	110			10.00		58	28	45	32	9	28	29.85	29.94	19	BKN	055			10.00		52	37	45	57	17	28	29.75	29.84						
22	CLR	NC			10.00		50	31	42	48	8	26	29.93	30.02	22	OVC	070			10.00		51	37	45	59	14	30	29.81	29.90						
SUNRISE: 0458						MAY 05						SUNRISE: 0452						MAY 11						SUNSET: 1905											
01	CLR	NC			10.00		47	29	39	50	9	31	29.99	30.08	01	CLR	NC			10.00		47	37	42	69	14	28	29.82	29.91						
04	CLR	NC			10.00		43	28	37	56	5	22	30.02	30.11	04	CLR	NC			10.00		45	36	41	71	10	26	29.84	29.93						
07	CLR	NC			10.00		48	33	42	56	6	24	30.07	30.16	07	CLR	NC			10.00		49	36	43	61	15	27	29.89	29.98						
10	CLR	NC			10.00		60	32	47	35	13	20	30.07	30.16	10	CLR	NC			10.00		59	35	48	41	20	29	29.88	29.97						
13	CLR	NC			10.00		65	36	51	34	14	23	30.02	30.11	13	CLR	NC			10.00		64	36	50	35	16	27	29.84	29.92						
16	CLR	NC			10.00		67	28	49	23	15	20	29.95	30.03	16	CLR	NC			10.00		68	32	51	26	20	26	29.77	29.86						
19	CLR	NC			10.00		62	36	50	38	10	17	29.90	29.98	19	CLR	NC			10.00		64	31	49	29	7	26	29.77	29.85						
22	CLR	NC			10.00		58	40	49	51	16	17	29.88	29.97	22	CLR	NC			10.00		56	37	47	49	7	20	29.78	29.87						
SUNRISE: 0457						MAY 06						SUNRISE: 0451						MAY 12						SUNSET: 1906											
01	OVC	065			10.00	-RA	56	45	50	67	12	15	29.81	29.90	01	BKN	120			10.00		54	42	48	64	8	22	29.77	29.85						
04	OVC	060			10.00	-RA	56	48	52	75	8	17	29.74	29.83	04	FEW	NC			10.00		53	45	49	74	6	19	29.74	29.83						
07	BKN	075			10.00		54	50	52	87	9	20	29.74	29.83	07	CLR	NC			10.00		56	46	51	70	8	18	29.71	29.80						
10	CLR	NC			10.00		66	50	57	56	18	22	29.69	29.78	10	CLR	NC			10.00		68	48	57	49	14	20	29.68	29.77						
13	BKN	095			10.00		56	48	52	75	15	30	29.70	29.79	13	CLR	NC			10.00		75	46	59	36	17	21	29.62	29.70						
16	CLR	NC			10.00		66	35	51	32	20	30	29.74	29.83	16	CLR	NC			10.00		76	43	58	31	17	20	29.57	29.66						
19	CLR	NC			10.00		59	27	45	29	20	30	29.85	29.94	19	CLR	NC			10.00		72	45	57	38	14	19	29.58	29.67						
22	CLR	NC			10.00		54	27	43	35	13	29	29.94	30.02	22	CLR	NC			10.00		61	48	54	63	7	32	29.64	29.72						

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MAY 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: 0450						MAY 13						SUNSET: 1907						SUNRISE: 0445						MAY 19						SUNSET: 1913					
01	CLR	NC			10.00	59	47	53	64	0	00	29.65	29.73	01	SCT	NC			9.00	55	51	53	87	3	03	29.73	29.81								
04	OVC	070			10.00	54	50	52	87	5	30	29.66	29.75	04	CLR	NC			5.00	54	53	53	97	0	00	29.68	29.77								
07	OVC	070			10.00	57	48	52	72	7	34	29.64	29.73	07	CLR	NC			4.00	58	55	56	90	7	19	29.68	29.77								
10	OVC	065			10.00	60	47	53	62	10	33	29.63	29.71	10	CLR	NC			10.00	75	59	65	58	14	23	29.69	29.78								
13	OVC	060			10.00	60	45	52	58	14	31	29.56	29.65	13	CLR	NC			10.00	86	62	70	45	15	26	29.65	29.74								
16	OVC	060			10.00	58	46	52	65	12	31	29.57	29.65	16	CLR	NC			10.00	86	61	70	43	14	22	29.60	29.69								
19	OVC	070			10.00	54	41	48	62	7	33	29.62	29.70	19	CLR	NC			10.00	83	62	69	49	13	19	29.55	29.64								
22	CLR	NC			10.00	48	43	46	83	8	26	29.66	29.74	22	CLR	NC			10.00	78	61	67	56	15	20	29.58	29.66								
SUNRISE: 0449						MAY 14						SUNSET: 1908						SUNRISE: 0444						MAY 20						SUNSET: 1914					
01	CLR	NC			9.00	45	42	44	90	6	29	29.68	29.77	01	FEW	NC			10.00	70	60	64	71	5	24	29.62	29.70								
04	FEW	NC			8.00	45	41	43	86	0	00	29.71	29.80	04	OVC	120			10.00	67	60	63	79	6	28	29.61	29.70								
07	CLR	NC			6.00	49	45	47	86	6	26	29.78	29.87	07	OVC	048			10.00	68	62	64	81	10	28	29.66	29.74								
10	CLR	NC			10.00	63	48	55	58	10	17	29.78	29.87	10	FEW	NC			10.00	61	56	58	84	12	29	29.74	29.83								
13	FEW	NC			10.00	68	40	54	36	17	19	29.74	29.83	13	CLR	NC			10.00	70	48	58	46	14	31	29.74	29.83								
16	FEW	NC			10.00	66	40	53	39	14	21	29.71	29.80	16	CLR	NC			10.00	71	43	56	36	14	28	29.72	29.81								
19	OVC	075			10.00	63	41	52	45	7	19	29.71	29.80	19	CLR	NC			10.00	65	38	52	37	12	28	29.75	29.84								
22	OVC	065			10.00	60	50	55	70	12	17	29.70	29.79	22	CLR	NC			10.00	59	38	49	46	13	30	29.81	29.90								
SUNRISE: 0448						MAY 15						SUNSET: 1909						SUNRISE: 0443						MAY 21						SUNSET: 1915					
01	SCT	NC			10.00	58	52	55	81	8	17	29.64	29.73	01	CLR	NC			10.00	52	37	45	57	6	33	29.87	29.96								
04	CLR	NC			10.00	57	52	54	83	6	18	29.62	29.71	04	CLR	NC			10.00	45	34	40	66	8	29	29.87	29.96								
07	BKN	110			10.00	59	54	56	83	7	18	29.63	29.72	07	CLR	NC			10.00	53	37	46	55	5	28	29.90	29.98								
10	SCT	NC			10.00	68	56	61	66	8	24	29.60	29.69	10	SCT	NC			10.00	58	40	49	51	21	30	29.89	29.97								
13	FEW	NC			10.00	71	48	58	44	12	26	29.58	29.66	13	SCT	NC			10.00	61	34	48	36	22	30	29.89	29.98								
16	BKN	075			10.00	70	44	56	39	6	24	29.53	29.62	16	SCT	NC			10.00	62	32	48	32	15	31	29.86	29.95								
19	BKN	110			10.00	65	41	53	42	10	31	29.54	29.62	19	SCT	NC			10.00	58	32	46	38	15	29	29.90	29.99								
22	OVC	070			10.00	58	35	47	42	16	29	29.62	29.70	22	CLR	NC			10.00	49	33	42	55	8	29	29.95	30.04								
SUNRISE: 0447						MAY 16						SUNSET: 1910						SUNRISE: 0442						MAY 22						SUNSET: 1916					
01	CLR	NC			10.00	52	35	44	53	12	27	29.59	29.67	01	CLR	NC			10.00	49	32	42	52	12	29	29.97	30.06								
04	OVC	070			10.00	50	32	42	50	20	25	29.64	29.73	04	CLR	NC			10.00	45	34	40	66	9	28	29.96	30.05								
07	SCT	NC			10.00	51	35	44	54	20	24	29.72	29.81	07	CLR	NC			10.00	51	36	44	56	13	30	29.98	30.07								
10	OVC	049			10.00	56	38	47	51	23	28	29.73	29.82	10	SCT	NC			10.00	57	34	46	42	22	31	29.98	30.07								
13	OVC	060			10.00	59	37	48	44	23	27	29.75	29.83	13	BKN	075			10.00	62	34	49	35	18	30	29.94	30.03								
16	SCT	NC			10.00	60	34	48	38	21	28	29.77	29.85	16	OVC	090			10.00	63	32	49	31	17	29	29.91	30.00								
19	CLR	NC			10.00	58	34	47	41	7	25	29.80	29.89	19	SCT	NC			10.00	60	33	48	36	8	29	29.92	30.01								
22	CLR	NC			10.00	50	35	43	57	3	22	29.83	29.92	22	CLR	NC			10.00	54	33	45	45	6	35	30.02	30.11								
SUNRISE: 0446						MAY 17						SUNSET: 1911						SUNRISE: 0442						MAY 23						SUNSET: 1916					
01	CLR	NC			10.00	48	36	43	63	6	24	29.83	29.92	01	CLR	NC			10.00	49	34	42	57	5	28	30.07	30.15								
04	OVC	100			10.00	49	38	44	66	6	23	29.83	29.92	04	CLR	NC			10.00	44	34	40	68	7	30	30.07	30.16								
07	CLR	NC			10.00	54	41	48	62	8	18	29.82	29.91	07	CLR	NC			10.00	53	37	46	55	13	31	30.12	30.20								
10	CLR	NC			10.00	61	41	51	48	13	19	29.76	29.85	10	CLR	NC			10.00	61	40	51	46	14	32	30.11	30.20								
13	OVC	060			10.00	58	46	52	65	14	21	29.71	29.79	13	CLR	NC			10.00	66	39	52	37	8	31	30.06	30.15								
16	CLR	NC			10.00	66	44	54	45	20	23	29.66	29.75	16	CLR	NC			10.00	70	38	54	31	8	33	30.01	30.10								
19	CLR	NC			10.00	65	47	55	52	9	21	29.66	29.75	19	CLR	NC			10.00	66	39	52	37	7	26	30.01	30.10								
22	CLR	NC			10.00	60	43	51	53	8	25	29.74	29.83	22	CLR	NC			10.00	58	45	51	62	7	24	30.04	30.13								
SUNRISE: 0445						MAY 18						SUNSET: 1912						SUNRISE: 0441						MAY 24						SUNSET: 1917					
01	FEW	NC			10.00	52	39	46	61	6	35	29.82	29.91	01	CLR	NC			10.00	54	46	50	75	3	26	30.05	30.14								
04	SCT	NC			10.00	50	38	44	63	7	01	29.86	29.95	04	CLR	NC			10.00	50	30	41	46	0	00	30.04	30.12								
07	OVC	080			10.00	52	39	46	61	8	02	29.92	30.01	07	CLR	NC			10.00	60	31	47	33	3	VR	30.06	30.15								
10	CLR	NC			10.00	54	39	47	57	3	VR	29.95	30.03	10	CLR	NC			10.00	69	30	51	23	8	23	30.05	30.14								
13	CLR	NC			10.00	62	41	51	46	13	13	29.90	29.98	13	CLR	NC			10.00	76	28	53	17	13	21	29.99	30.08								
16	CLR	NC			10.00	63	47	54	56	13	16	29.85	29.94	16	CLR	NC			10.00	74	27	52	17	13	16	29.92	30.01								
19	CLR	NC			10.00	61	48	54	63	9	14	29.80	29.89	19	CLR	NC			10.00	69	23	49	17	10	12	29.89	29.98								
22	BKN	100			10.00	58	49	53	72	9	10	29.76	29.85	22	CLR	NC			10.00	64	23	46	21	5	15	29.91	29.99								

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

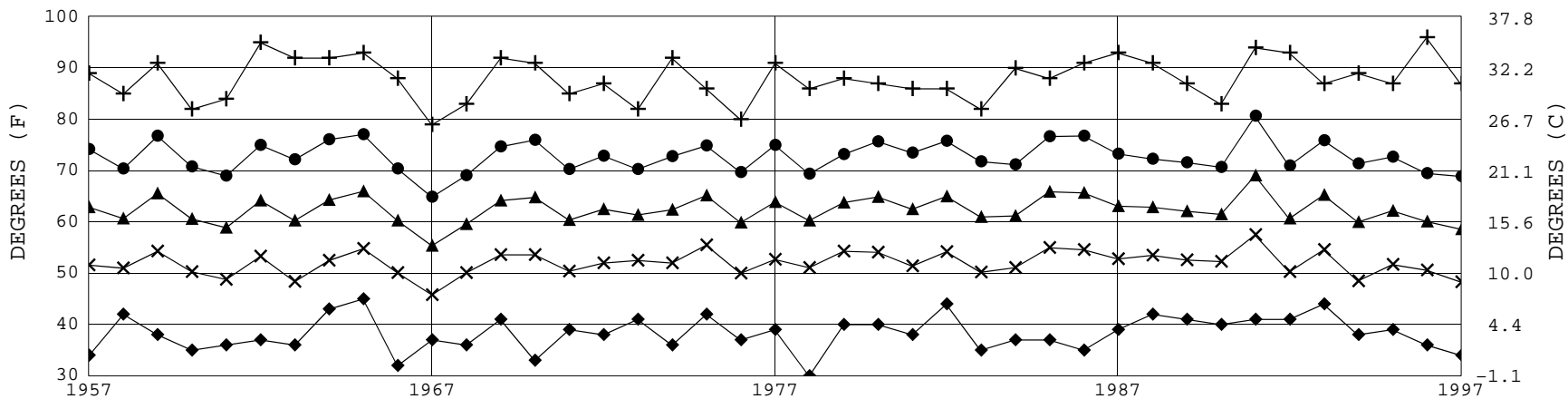
MAY 1997

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: 0440						MAY 25						SUNSET: 1918						SUNRISE: 0437						MAY 31						SUNSET: 1923					
01	CLR	NC		10.00		62	23	45	22	6	13	29.84	29.93	01	OVC	002		9.00		61	61	61	100	6	15	30.04	30.13								
04	OVC	110		6.00	BR	60	57	58	90	0	00	29.76	29.85	04	OVC	004		9.00		61	60	60	97	3	10	30.00	30.09								
07	FEW	NC		4.00	BR	63	60	61	90	3	27	29.76	29.85	07	OVC	006		7.00		62	60	61	93	8	06	30.02	30.10								
10	BKN	080		4.00	HZ	66	61	63	84	0	00	29.73	29.82	10	OVC	015		10.00		67	61	63	81	5	VR	30.00	30.09								
13	OVC	021		2.00	-RA BR	67	64	65	91	0	00	29.66	29.75	13	CLR	NC		10.00		75	61	66	62	12	06	29.94	30.03								
16	OVC	015		4.00	-RA BR	70	68	69	93	10	21	29.60	29.69	16	OVC	033		10.00		75	64	68	69	7	VR	29.88	29.97								
19	OVC	029		0.50	+RA FG	65	64	64	97	12	33	29.60	29.68	19	BKN	033		10.00		72	64	67	76	3	11	29.85	29.94								
22	OVC	009		10.00	-RA	62	61	61	96	12	35	29.64	29.73	22	OVC	037		10.00		67	65	66	93	9	16	29.87	29.96								
SUNRISE: 0440						MAY 26						SUNRISE: 1919						3-HOURLY OBSERVATION NOTES																	
01	OVC	034		10.00		59	56	57	90	6	01	29.65	29.74	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.																					
04	BKN	060		10.00	-RA	58	55	56	90	7	35	29.66	29.75	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																					
07	OVC	070		10.00		56	52	54	87	8	36	29.74	29.83	NC = No ceiling detected.																					
10	CLR	NC		10.00		64	48	55	56	12	01	29.77	29.85	& = Original observation contained additional weather elements.																					
13	CLR	NC		10.00		68	46	56	45	6	32	29.77	29.86	See page 3 for additional notes.																					
16	CLR	NC		10.00		71	45	57	39	7	VR	29.78	29.87																						
19	CLR	NC		10.00		66	41	53	40	6	34	29.84	29.93																						
22	CLR	NC		10.00		60	50	55	70	6	10	29.92	30.01																						
SUNRISE: 0439						MAY 27						SUNRISE: 1920						SUMMARY BY HOUR																	
01	CLR	NC		10.00		56	40	48	55	12	01	29.97	30.05	AVERAGES																					
04	FEW	NC		10.00		53	36	45	52	13	02	30.03	30.12	HOUR (LST)																					
07	SCT	NC		10.00		54	39	47	57	9	03	30.11	30.19	CEILOMETER																					
10	FEW	NC		10.00		60	41	51	50	13	03	30.16	30.25	EFF CLD AMT																					
13	BKN	060		10.00		63	41	52	45	8	03	30.17	30.25	DRY BULB																					
16	FEW	NC		10.00		64	40	52	41	8	06	30.18	30.27	DEW POINT																					
19	CLR	NC		10.00		58	48	53	70	12	17	30.21	30.30	WET BULB																					
22	CLR	NC		10.00		53	44	49	72	9	12	30.31	30.39	RELATIVE HUMIDITY																					
SUNRISE: 0439						MAY 28						SUNRISE: 1920						PRESSURE (INCHES, HG)																	
01	CLR	NC		10.00		49	44	47	83	3	36	30.32	30.40	STATION																					
04	CLR	NC		10.00		42	32	38	68	6	31	30.30	30.39	SEA LEVEL																					
07	CLR	NC		10.00		53	31	43	43	7	33	30.33	30.42	VISIBILITY (MILES)																					
10	CLR	NC		10.00		63	30	48	29	6	30	30.36	30.44	WIND SPEED (MPH)																					
13	CLR	NC		10.00						6	VR	30.31		SPEED																					
16	CLR	NC		10.00		70	42	55	37	0	00	30.27	30.36	DIRECTION																					
19	CLR	NC		10.00		63	45	54	52	14	15	30.28	30.37																						
22	CLR	NC		10.00		58	50	54	75	8	16	30.31	30.40																						
SUNRISE: 0438						MAY 29						SUNRISE: 1921																							
01	CLR	NC		10.00		53	43	48	69	5	20	30.30	30.39																						
04	CLR	NC		10.00		49	42	46	77	0	00	30.30	30.39																						
07	CLR	NC		10.00		53	43	48	69	3	25	30.34	30.42																						
10	CLR	NC		10.00		62	42	52	48	7	12	30.31	30.40																						
13	CLR	NC		10.00		68	50	58	53	10	18	30.26	30.34																						
16	CLR	NC		10.00		62	52	57	70	18	16	30.23	30.32																						
19	CLR	NC		10.00		60	50	55	70	16	14	30.23	30.32																						
22	CLR	NC		10.00		57	53	55	87	8	12	30.25	30.34																						
SUNRISE: 0438						MAY 30						SUNRISE: 1922																							
01	BKN	110		10.00		57	53	55	87	6	08	30.20	30.29																						
04	OVC	010		10.00	-RA	57	55	56	93	0	00	30.18	30.27																						
07	OVC	008		10.00	-RA	57	56	56	96	5	07	30.19	30.28																						
10	OVC	008		10.00		61	58	59	90	5	13	30.19	30.27																						
13	FEW	NC		10.00		69	61	64	76	12	15	30.12	30.21																						
16	SCT	NC		10.00		70	59	63	68	14	15	30.07	30.16																						
19	OVC	050		10.00		65	62	63	90	9	19	30.08	30.16																						
22	CLR	NC		10.00		62	61	61	96	0	00	30.08	30.16																						

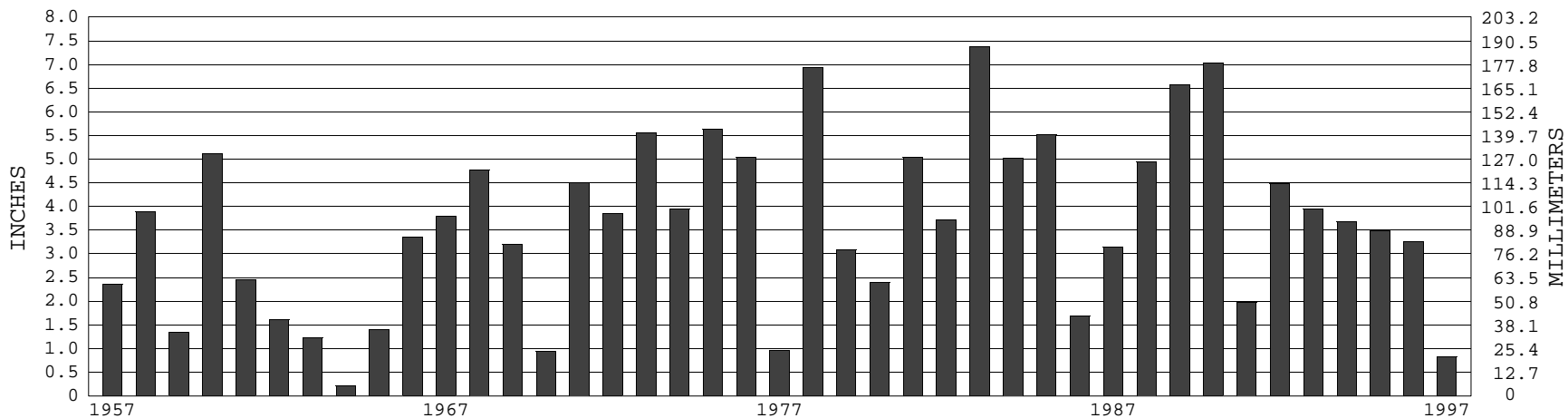
WILMINGTON, DE MAY TEMPERATURES



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

Long-Term (1957-1997) Mean: 62.4 1961-1990 Normal: 62.5

WILMINGTON, DE MAY PRECIPITATION



Long-Term (1957-1997) Mean Monthly Total: 3.65

1961-1990 Normal: 3.84



**MAY 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.

Kenneth D Hadean

DIRECTOR

NOTICE

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

We welcome your questions or comments, please contact us at
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