



APRIL 1999

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

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

APRIL 1999
WILMINGTON, DE

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE					
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM										
																			5-SEC		2-MIN								
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	56	48	52	4	48	51	13	0	RA BR				0.31	29.95	30.03	0.5	15	3.8	9	02	8	02	01						
02	69	48	59	11	45	51	6	0	RA BR HZ				T	29.96	30.05	2.4	09	8.0	22	15	18	15	02						
03	60	46	53	5	44	48	12	0					0.00	30.04	30.12	6.6	14	7.8	17	15	15	16	03						
04	79	49	64*	15	53	56	1	0	RA BR HZ				0.18	29.78	29.86	3.4	36	8.8	29	01	23	01	04						
05	57	40	49	0	30	40	16	0	RA				T	30.16	30.25	4.5	07	8.5	22	04	20	03	05						
06	61	38	50	1	42	46	15	0	RA				T	30.10	30.19	8.1	16	8.4	24	15	21	15	06						
07	72	45	59	10	43	51	6	0	BR				0.00	29.94	30.03	7.1	26	7.6	25	26	22	27	07						
08	81*	43	62	12	48	56	3	0					0.00	29.74	29.83	7.5	25	8.5	29	27	23	26	08						
09	62	44	53	3	44	48	12	0	TS TSRA RA GS BR				1.06	29.52	29.61	12.7	04	15.3	40	29	34*	29	09						
10	60	41	51	1	37	44	14	0	RA BR				0.11	29.84	29.93	9.7	33	10.9	26	36	22	36	10						
11	47	41	44*	-7	40	43	21	0	TSRA RA BR				0.65	29.85	29.93	6.3	06	9.3	25	28	21	29	11						
12	58	42	50	-1	38	44	15	0	RA BR				0.16	29.71	29.79	11.0	32	12.2	34	31	29	31	12						
13	62	39	51	0	25	40	14	0					0.00	29.75	29.84	15.7	30	15.9	40*	31	32	29	13						
14	68	41	55	3	27	43	10	0					0.00	29.71	29.79	13.7	28	14.5	38	31	31	31	14						
15	64	44	54	2	38	46	11	0	RA BR				0.11	29.67	29.75	3.6	26	7.5	20	20	16	20	15						
16	56	45	51	-1	48	49	14	0	RA BR				0.08	29.48	29.56	2.4	13	4.6	21	30	15	31	16						
17	59	40	50	-3	38	45	15	0	FG+ BR				0.00	29.66	29.74	7.8	27	9.1	24	30	21	30	17						
18	61	42	52	-1	35	44	13	0	RA				T	29.87	29.95	10.9	27	11.4	30	27	24	27	18						
19	58	38	48	-5	36	43	17	0	RA				T	29.95	30.03	6.0	26	6.3	25	24	22	24	19						
20	54	42	48	-5	41	45	17	0	RA BR				0.04	29.87	29.96	5.4	33	7.9	24	32	20	33	20						
21	58	38	48	-6	40	44	17	0	RA BR HZ				0.02	29.98	30.06	4.0	23	6.1	16	23	14	20	21						
22	74	47	61	7	52	55	4	0	RA BR HZ				0.39	29.87	29.95	2.8	12	7.6	26	05	22	05	22						
23	55	47	51	-4	50	51	14	0	TSRA RA BR				0.25	29.82	29.90	7.6	03	9.0	24	04	21	03	23						
24	59	39	49	-6	24	39	16	0					0.00	30.09	30.18	10.6	32	11.7	24	29	20	30	24						
25	62	35*	49	-6	24	40	16	0					0.00	30.09	30.17	4.7	29	7.8	21	24	16	26	25						
26	75	42	59	3	35	48	6	0					0.00	29.76	29.84	8.8	27	10.8	29	28	25	28	26						
27	64	45	55	-1	33	45	10	0					0.00	29.94	30.03	3.2	03	8.8	25	36	22	36	27						
28	62	42	52	-4	41	47	13	0					0.00	30.12	30.21	5.0	14	8.1	23	15	20	15	28						
29	69	41	55	-2	36	47	10	0	RA BR				T	30.10	30.18	3.7	04	9.5	32	01	17	16	29						
30	66	41	54	-3	37	46	11	0					0.00	30.18	30.27	7.4	05	9.9	25	05	21	02	30						
< MONTHLY AVERAGES										TOTALS-->				<- MONTHLY AVERAGES															
0.3										0.6				0.5															
0.3										0.6				0.5															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.17				DATE: 09-10				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL:				DATE:				MAXIMUM				: 30.34				06 0651			
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				DATE:				MINIMUM				: 29.43				09 1751			
HEATING: 362										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH: 12							
COOLING: 0										MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 9											
0										THUNDERSTORMS: 3				HEAVY FOG: 1				SNOWFALL ≥ 1.0 INCH: 0											

MONTHLY TOTAL DEPARTURE		SEASON TO DATE TOTAL DEPARTURE	
HEATING: 362	COOLING: 0	4322	-493

GREATEST 24-HR PRECIPITATION: 1.17		DATE: 09-10	
GREATEST 24-HR SNOWFALL:		DATE:	
GREATEST SNOW DEPTH:		DATE:	
NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 0	
		MINIMUM TEMP ≤ 32: 0	
		MAXIMUM TEMP ≤ 32: 0	
		MINIMUM TEMP ≤ 0: 0	
		THUNDERSTORMS: 3	
		HEAVY FOG: 1	
		PRECIPITATION ≥ 0.01 INCH: 12	
		PRECIPITATION ≥ 0.10 INCH: 9	
		SNOWFALL ≥ 1.0 INCH: 0	

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

APRIL 1999

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	T	T	0.02	0.01	0.01	0.05	01	0.03	0.03	0.02	0.01	T		0.03	0.03	0.02	0.04	T	0.01	01		0.31	
02	T												02													02		T	
03													03													03		0.00	
04		T				T	T						04		T	T	T	T	0.10	0.03	0.04	T	0.01		04		0.18		
05				T	T								05													05		T	
06													06				T									06		T	
07													07													07		0.00	
08													08													08		0.00	
09							0.03	0.01	T				09	T						0.42	0.45	0.11	T		09	0.04	1.06		
10	0.03	0.05	0.02	T	0.01	T							10												10		0.11		
11													11	0.05	0.02	T	T	0.06	0.29	T					11	0.03	0.65		
12	0.05	0.01	T	0.04	0.03	0.03							12												12		0.16		
13													13												13		0.00		
14													14												14		0.00		
15													15			0.03	T	0.02	0.06	T				15		0.11			
16			T	T	T	T							16			0.01	0.06	T						16	0.01	0.08			
17													17												17		0.00		
18													18			T									18		T		
19													19	T	T		T								19		T		
20			0.01	T	T	0.03	T						20												20		0.04		
21													21		T	0.02	T								21		0.02		
22		0.02	0.02	0.19	0.11	0.04	0.01						22												22		0.39		
23													23	0.02	T	0.17	T	0.01	T	T					23		0.25		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29				T									29												29		T		
30													30												30		0.00		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1961–1990

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '- ' = Light

WILMINGTON, DE APRIL 1999

Ceilometer (30–second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR–SS), or midnight to midnight (MN–MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0–2 oktas, Partly Cloudy = 3–6 oktas, Cloudy = 7–8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled at constant pressure by evaporation of moisture into it, to 100% relative humidity.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.75	10.00	
02							<.25	10.00	
03							7.00	10.00	
04							4.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							6.00	10.00	
08							10.00	10.00	
09							1.00	10.00	
10							9.00	10.00	
11							2.00	10.00	
12							2.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							4.00	10.00	
16							3.00	10.00	
17							<.25	10.00	
18							10.00	10.00	
19							9.00	10.00	
20							4.00	10.00	
21							4.00	10.00	
22							2.00	10.00	
23							1.50	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							6.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							6.18	10.00	
SUNSHINE (MINUTES) Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION CLR PTLY CLDY CLOUDY MISSING 30									
MINIMUM VISIBILITY (MILES) <=0.25 <=3.0 >=7.0 2 9 15									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

APRIL 1999

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		OBSERVATION TIME (LST)	EFF CLD AMT Otktas	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 Otktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB
SUNRISE: 0547				APR 01				SUNSET: 1826				SUNRISE: 0538				APR 07				SUNSET: 1832					
01	CLR	NC		10.00	51	33	43	50	5	16	29.99	30.08	01	CLR	NC		9.00	49	48	48	97	0	00	29.88	29.97
04	OVC	100		10.00	50	40	45	68	3	13	29.97	30.06	04	CLR	NC		7.00	47	47	47	100	6	24	29.92	30.01
07	OVC	090		10.00	53	41	47	64	5	25	30.01	30.10	07	CLR	NC		6.00	51	48	50	89	7	23	29.98	30.07
10	OVC	041		8.00	54	47	50	77	0	00	30.00	30.09	10	CLR	NC		10.00	65	45	54	49	15	28	30.00	30.09
13	OVC	015		1.75	53	50	51	89	0	00	29.95	30.04	13	CLR	NC		10.00	70	42	55	37	10	29	29.97	30.06
16	OVC	002		1.50	55	53	54	93	3	13	29.90	29.99	16	CLR	NC		10.00	72	42	56	34	14	28	29.91	30.00
19	OVC	002		1.50	56	55	55	97	5	07	29.88	29.97	19	CLR	NC		10.00	66	36	51	33	7	27	29.91	30.00
22	OVC	002		0.75	55	54	54	96	5	36	29.87	29.96	22	CLR	NC		10.00	56	41	49	57	5	19	29.92	30.01
SUNRISE: 0546				APR 02				SUNSET: 1827				SUNRISE: 0536				APR 08				SUNSET: 1833					
01	OVC	007		1.75	54	51	52	90	6	31	29.88	29.97	01	CLR	NC		10.00	50	40	45	68	5	32	29.89	29.98
04	BKN	075		1.75	53	43	48	69	7	30	29.88	29.96	04	CLR	NC		10.00	48	39	44	71	3	14	29.83	29.92
07	FEW	NC		2.00	53	41	47	64	7	33	29.92	30.01	07	CLR	NC		10.00	54	47	50	77	8	23	29.83	29.91
10	OVC	046		9.00	64	44	54	48	7	01	29.97	30.05	10	CLR	NC		10.00	70	52	60	53	12	23	29.79	29.88
13	OVC	060		10.00	68	52	59	57	7	08	29.96	30.05	13	CLR	NC		10.00	80	50	63	35	14	28	29.71	29.79
16	BKN	048		9.00	64	54	58	70	9	15	29.96	30.04	16	CLR	NC		10.00	81	51	63	35	17	27	29.65	29.74
19	OVC	065		10.00	53	46	50	77	15	15	29.99	30.08	19	CLR	NC		10.00	75	51	61	43	6	21	29.65	29.74
22	OVC	070		10.00	49	32	42	52	8	10	30.05	30.14	22	CLR	NC		10.00	64	51	57	63	5	25	29.66	29.75
SUNRISE: 0544				APR 03				SUNSET: 1828				SUNRISE: 0535				APR 09				SUNSET: 1834					
01	OVC	070		10.00	47	33	41	59	8	08	30.07	30.16	01	CLR	NC		10.00	61	43	52	52	12	03	29.65	29.73
04	OVC	075		10.00	46	36	42	68	6	09	30.07	30.16	04	CLR	NC		10.00	60	38	49	44	13	03	29.63	29.71
07	OVC	039		10.00	47	39	43	74	5	09	30.11	30.20	07	OVC	043		8.00	54	50	52	87	9	07	29.67	29.75
10	OVC	075		10.00	50	44	47	80	6	16	30.09	30.18	10	FEW	NC		10.00	55	43	49	64	16	08	29.54	29.63
13	FEW	NC		10.00	57	47	52	69	13	14	30.05	30.14	13	BKN	042		10.00	51	45	48	80	13	02	29.45	29.54
16	FEW	NC		10.00	60	50	55	70	12	16	29.99	30.07	16	OVC	032		10.00	50	46	48	86	20	04	29.38	29.47
19	CLR	NC		10.00	52	49	50	89	9	16	29.96	30.05	19	OVC	015		1.00	47	47	47	100	16	30	29.50	29.59
22	SCT	NC		10.00	51	49	50	92	6	14	29.95	30.03	22	OVC	011		10.00	45	45	45	100	14	35	29.45	29.54
SUNRISE: 0543				APR 04				SUNSET: 1829				SUNRISE: 0533				APR 10				SUNSET: 1835					
01	SCT	NC		6.00	51	49	50	92	3	18	29.88	29.97	01	OVC	033		9.00	44	43	44	96	13	35	29.59	29.67
04	OVC	100		7.00	53	51	52	93	6	26	29.79	29.88	04	BKN	049		10.00	41	40	41	96	8	32	29.67	29.76
07	SCT	NC		5.00	55	53	54	93	5	23	29.77	29.86	07	CLR	NC		10.00	44	40	42	85	15	31	29.77	29.86
10	FEW	NC		6.00	66	57	61	73	6	25	29.74	29.83	10	CLR	NC		10.00	51	33	43	50	16	34	29.87	29.96
13	CLR	NC		10.00	76	60	66	58	17	30	29.66	29.75	13	CLR	NC		10.00	56	37	47	49	18	31	29.88	29.97
16	SCT	NC		9.00	69	61	64	76	23	01	29.67	29.75	16	CLR	NC		10.00	59	34	47	39	6	VR	29.86	29.95
19	OVC	007		4.00	55	54	54	96	17	06	29.78	29.86	19	CLR	NC		10.00	52	37	45	57	7	29	29.92	30.01
22	OVC	050		10.00	50	43	47	77	10	07	29.88	29.97	22	CLR	NC		10.00	48	35	42	61	5	34	29.98	30.07
SUNRISE: 0541				APR 05				SUNSET: 1830				SUNRISE: 0532				APR 11				SUNSET: 1836					
01	OVC	065		10.00	49	42	46	77	6	04	29.95	30.04	01	CLR	NC		10.00	43	29	37	58	7	01	30.02	30.10
04	OVC	095		10.00	45	19	35	35	12	04	30.04	30.13	04	CLR	NC		10.00	42	30	37	62	5	02	30.00	30.09
07	CLR	NC		10.00	41	20	33	43	12	02	30.16	30.25	07	OVC	060		10.00	45	37	41	74	10	04	30.00	30.09
10	CLR	NC		10.00	47	25	38	42	8	02	30.22	30.31	10	OVC	036		3.00	44	44	44	100	8	06	29.99	30.08
13	CLR	NC		10.00	53	28	42	38	8	05	30.18	30.27	13	OVC	012		6.00	46	46	46	100	10	16	29.86	29.95
16	CLR	NC		10.00	57	30	45	36	8	07	30.18	30.26	16	OVC	041		10.00	46	46	46	100	10	12	29.70	29.79
19	CLR	NC		10.00	49	42	46	77	14	16	30.19	30.27	19	OVC	007		10.00	45	45	45	100	8	06	29.68	29.77
22	CLR	NC		10.00	42	38	40	85	6	19	30.25	30.34	22	OVC	029		10.00	44	43	44	96	9	36	29.68	29.77
SUNRISE: 0539				APR 06				SUNSET: 1831				SUNRISE: 0530				APR 12				SUNSET: 1837					
01	CLR	NC		10.00	41	33	38	74	0	00	30.25	30.33	01	OVC	048		5.00	43	43	43	100	5	36	29.65	29.74
04	CLR	NC		10.00	40	33	37	77	3	17	30.22	30.30	04	OVC	011		4.00	43	43	43	100	3	20	29.63	29.72
07	SCT	NC		10.00	42	38	40	85	5	20	30.25	30.34	07	OVC	050		3.00	45	45	45	100	7	24	29.64	29.73
10	CLR	NC		10.00	53	41	47	64	9	14	30.20	30.29	10	OVC	026		10.00	48	43	46	83	14	32	29.70	29.79
13	CLR	NC		10.00	59	40	50	49	17	14	30.11	30.20	13	BKN	040		10.00	53	40	47	61	18	31	29.70	29.79
16	FEW	NC		10.00	55	45	50	69	15	16	30.03	30.11	16	FEW	NC		10.00	58	34	47	41	23	32	29.70	29.79
19	BKN	110		10.00	53	49	51	86	9	15	29.96	30.05	19	CLR	NC		10.00	54	29	43	38	14	32	29.74	29.82
22	CLR	NC		10.00	52	50	51	93	10	15	29.91	30.00	22	CLR	NC		10.00	50	28	41	43	9	34	29.82	29.91

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

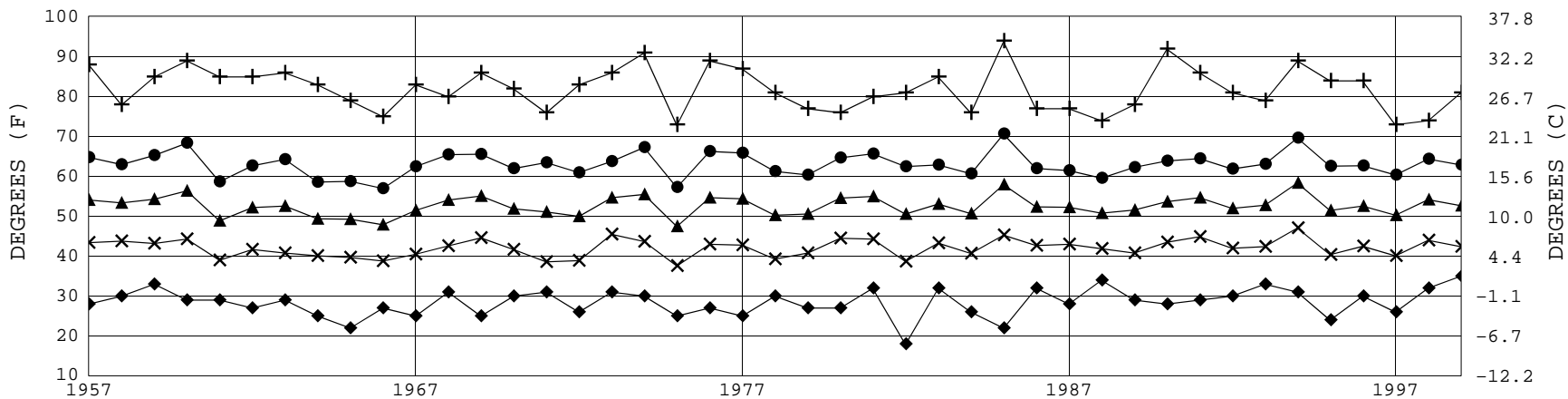
APRIL 1999

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: 0529 APR 13 SUNSET: 1838																																
01	CLR	NC				10.00		43	28	37	56	13	29	29.83	29.91	01	CLR	NC					10.00		43	34	39	71	5	26	29.97	30.06
04	CLR	NC				10.00		41	29	36	62	10	29	29.82	29.90	04	CLR	NC					10.00		41	34	38	76	6	27	29.97	30.05
07	CLR	NC				10.00		43	30	38	60	15	28	29.83	29.92	07	OVC	050					9.00		43	37	40	80	0	00	29.99	30.08
10	CLR	NC				10.00		50	27	40	41	20	30	29.79	29.87	10	BKN	075					10.00		54	39	47	57	9	24	29.98	30.07
13	CLR	NC				10.00		57	29	45	34	22	30	29.72	29.81	13	SCT	NC					10.00	-RA	54	40	47	59	15	28	29.94	30.03
16	CLR	NC				10.00		61	21	44	21	25	31	29.65	29.73	16	FEW	NC					10.00		58	34	47	41	9	25	29.89	29.98
19	CLR	NC				10.00		54	20	41	26	10	31	29.67	29.76	19	OVC	070					10.00		54	33	45	45	6	28	29.90	29.98
22	CLR	NC				10.00		47	23	38	39	9	31	29.73	29.82	22	CLR	NC					10.00		49	34	42	57	0	00	29.92	30.01
SUNRISE: 0527 APR 14 SUNSET: 1839																																
01	CLR	NC				10.00		44	21	35	40	8	28	29.74	29.83	01	OVC	090					10.00		43	39	41	86	3	36	29.89	29.98
04	CLR	NC				10.00		44	24	36	45	10	28	29.74	29.83	04	OVC	049					9.00	-RA	47	42	45	83	0	00	29.85	29.93
07	CLR	NC				10.00		47	27	39	46	15	25	29.77	29.85	07	OVC	047					4.00	BR	47	44	46	90	7	03	29.81	29.90
10	CLR	NC				10.00		57	32	46	39	21	28	29.74	29.83	10	SCT	NC					9.00		53	44	49	72	7	05	29.79	29.88
13	CLR	NC				10.00		64	30	48	28	21	29	29.67	29.76	13	OVC	014					9.00		47	41	44	80	15	35	29.83	29.92
16	CLR	NC				10.00		68	30	50	24	25	30	29.61	29.70	16	BKN	028					10.00		51	39	45	64	12	32	29.88	29.97
19	CLR	NC				10.00		61	29	47	30	9	28	29.65	29.74	19	CLR	NC					10.00		48	40	44	74	6	27	29.92	30.01
22	CLR	NC				10.00		56	27	44	33	6	30	29.71	29.80	22	CLR	NC					10.00		46	39	43	77	7	28	29.95	30.04
SUNRISE: 0526 APR 15 SUNSET: 1840																																
01	CLR	NC				10.00		50	27	40	41	6	27	29.75	29.84	01	CLR	NC					10.00		39	35	37	86	8	30	29.96	30.05
04	CLR	NC				10.00		47	29	39	50	9	30	29.73	29.82	04	CLR	NC					6.00	BR	38	35	37	89	7	31	29.96	30.05
07	CLR	NC				10.00		51	32	43	48	9	30	29.77	29.86	07	CLR	NC					5.00	HZ	46	40	43	79	5	30	29.99	30.08
10	CLR	NC				10.00		61	31	47	32	3	VR	29.74	29.83	10	SCT	NC					10.00		55	37	47	51	6	16	30.03	30.11
13	CLR	NC				10.00		63	32	49	31	13	24	29.69	29.78	13	SCT	NC					10.00		56	37	47	49	9	22	29.99	30.08
16	OVC	060				7.00	-RA	53	47	50	80	5	31	29.61	29.69	16	FEW	NC					10.00		53	43	48	69	10	18	29.94	30.03
19	OVC	060				10.00	-RA	50	48	49	93	9	20	29.61	29.70	19	OVC	065					10.00		51	44	48	77	8	20	29.96	30.04
22	OVC	044				10.00		50	46	48	86	5	08	29.50	29.59	22	CLR	NC					7.00		47	42	45	83	3	21	29.95	30.04
SUNRISE: 0524 APR 16 SUNSET: 1841																																
01	OVC	032				10.00		49	46	47	90	0	00	29.43	29.52	01	OVC	065					5.00	BR	48	45	47	89	5	16	29.91	30.00
04	OVC	034				10.00		49	46	47	90	3	19	29.44	29.53	04	OVC	065					2.50	-RA BR	48	47	47	96	9	17	29.88	29.96
07	OVC	015				3.00	BR	49	48	48	97	0	00	29.47	29.56	07	FEW	NC					2.00	BR	49	48	48	97	3	33	29.90	29.99
10	OVC	006				3.00	BR	50	49	49	96	6	11	29.47	29.56	10	BKN	010					3.00	HZ	57	51	54	81	3	VR	29.89	29.98
13	OVC	004				5.00	BR	51	51	51	100	8	18	29.46	29.55	13	CLR	NC					7.00		68	56	61	66	8	16	29.84	29.93
16	OVC	006				3.00	-RA BR	52	52	52	100	9	30	29.44	29.53	16	CLR	NC					10.00		74	56	63	54	7	20	29.81	29.89
19	CLR	NC				10.00		52	46	49	80	3	10	29.48	29.57	19	CLR	NC					6.00	HZ	63	57	60	81	7	16	29.82	29.91
22	BKN	110				8.00		47	46	46	97	5	11	29.56	29.65	22	FEW	NC					7.00		56	52	54	87	21	06	29.86	29.94
SUNRISE: 0523 APR 17 SUNSET: 1842																																
01	OVC	110				4.00	BR	47	47	47	100	5	13	29.60	29.69	01	CLR	NC					7.00		52	49	50	89	13	06	29.83	29.92
04	VV	001				<.25	FG	44	44	44	100	3	23	29.61	29.70	04	FEW	NC					6.00	BR	51	49	50	92	12	04	29.81	29.90
07	OVC	085				3.00	BR	46	46	46	100	0	00	29.65	29.74	07	OVC	011					5.00	BR	52	49	50	89	12	03	29.83	29.92
10	BKN	070				10.00		57	34	46	42	13	23	29.64	29.73	10	OVC	011					3.00	BR	54	50	52	87	6	05	29.82	29.91
13	OVC	075				10.00		56	32	45	40	15	27	29.62	29.71	13	OVC	070					3.00	-RA BR	54	51	52	90	5	06	29.76	29.85
16	FEW	NC				10.00		58	35	47	42	15	31	29.62	29.71	16	OVC	007					3.00	RA BR	55	53	54	93	8	02	29.72	29.80
19	BKN	085				10.00		51	34	43	52	15	30	29.69	29.78	19	OVC	018					1.50		52	50	51	93	13	04	29.81	29.90
22	CLR	NC				10.00		48	35	42	61	9	26	29.74	29.83	22	OVC	041					10.00		50	46	48	86	10	35	29.92	30.01
SUNRISE: 0521 APR 18 SUNSET: 1843																																
01	OVC	042				10.00		46	36	42	68	8	25	29.77	29.85	01	CLR	NC					10.00		46	34	41	63	13	34	29.98	30.07
04	CLR	NC				10.00		44	35	40	71	9	25	29.80	29.88	04	CLR	NC					10.00		41	24	35	51	17	34	30.05	30.14
07	CLR	NC				10.00		46	35	41	66	12	26	29.84	29.93	07	CLR	NC					10.00		42	20	34	41	13	33	30.14	30.23
10	BKN	043				10.00		55	37	47	51	14	28	29.86	29.95	10	CLR	NC					10.00		49	19	38	31	12	35	30.16	30.25
13	BKN	080				10.00		60	36	49	41	16	29	29.85	29.93	13	CLR	NC					10.00		55	23	42	29	12	32	30.11	30.20
16	SCT	NC				10.00		59	34	47	39	16	27	29.86	29.94	16	CLR	NC					10.00		58	29	45	33	15	28	30.05	30.14
19	BKN	090				10.00		51	35	44	54	12	30	29.92	30.01	19	CLR	NC					10.00		53	27	42	37	10	28	30.06	30.15
22	CLR	NC				10.00		47	34	41	61	7	25	29.97	30.06	22	CLR	NC					10.00		48	23	38	37	9	35	30.09	30.18

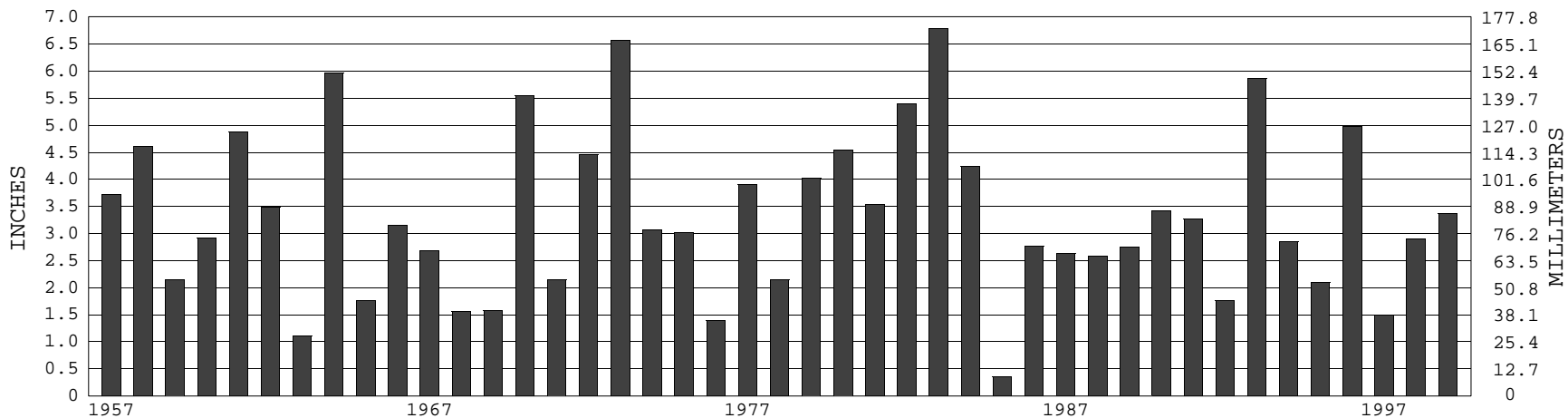
WILMINGTON, DE APRIL TEMPERATURES



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

Long-Term (1957-1999) Mean: 52.6 1961-1990 Normal: 52.2

WILMINGTON, DE APRIL PRECIPITATION



Long-Term (1957-1999) Mean Monthly Total: 3.34

1961-1990 Normal: 3.39



**APRIL 1999
WILMINGTON, DE**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

NOTICE

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

We welcome your questions or comments, please contact us at
828–271–4800 (voice), 828–271–4876 (fax),
828–271–4010(TDD)
or orders@ncdc.noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NATIONAL CLIMATIC DATA CENTER
151 PATTON AVE RM 120
ASHEVILLE, NC 28801 –5001

OFFICIAL BUSINESS. PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G–19