



JANUARY 2003

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AP (ILG)

Lat: 39°40' N Long: 75°36' W Elev (Ground): 92 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			
																			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	49	41	45*	12	42	43	20	0	RA BR			0.0	0.84	29.72	29.81	12.3	04	13.5	36	05	29	04	01	
02	42	35	39	6	34	37	26	0	RA			0.0	0.05	29.89	29.97	8.7	04	11.0	24	07	21	06	02	
03	43	35	39	7	35	37	26	0	RA SN BR			T	0.30	29.76	29.84	13.6	03	15.6	30	03	23	05	03	
04	43	35	39	7	28	35	26	0				0.0	0.00	29.80	29.88	14.4	29	14.8	31	29	25	30	04	
05	39	30	35	3	26	32	30	0	SN BR			3.3	0.33	30.00	30.09	2.5	24	3.9	15	27	13	26	05	
06	37	33	35	3	28	33	30	0	SN BR HZ			T	T	29.85	29.94	5.9	29	6.2	18	33	15	32	06	
07	35	26	31	-1	17	26	34	0	SN			T	T	29.81	29.89	13.0	29	15.0	35	31	30	30	07	
08	46	33	40	8	28	35	25	0				0.0	0.00	29.33	29.41	7.4	24	9.2	26	26	22	27	08	
09	56*	31	44	12	31	39	21	0				0.0	0.00	29.26	29.35	5.7	26	8.0	31	28	26	27	09	
10	50	37	44	12			21	0	SN			T	T	29.53		12.9	28	13.5	37	30	31	30	10	
11	32	25	29	-2			36	0	SN			T	T	29.94		14.1	27	14.5	33	29	26	28	11	
12	35	23	29	-2	11	23	36	0				0.0	0.00	30.17	30.26	11.5	28	12.4	32	28	24	30	12	
13	41	22	32	1	14	26	33	0				0.0	0.00	29.98	30.07	7.3	26	9.7	28	30	23	30	13	
14	30	19	25	-6	8	21	40	0				0.0	0.00	30.05	30.14	8.8	30	9.1	22	31	18	32	14	
15	31	20	26	-5	10	21	39	0	SN			T	T	30.09	30.18	11.6	28	11.9	30	25	23	28	15	
16	27	16	22	-9	8	19	43	0	SN BR			0.6	0.03	30.14	30.23	6.8	23	8.2	18	18	16	18	16	
17	30	15	23	-8	15	21	42	0	SN BR			0.1	0.01	29.84	29.93	10.5	31	10.7	28	29	23	30	17	
18	22	6	14*	-17	1	11	51	0				0.0	0.00	30.06	30.15	4.4	28	6.7	21	33	20	32	18	
19	30	12	21	-10	9	18	44	0	SN			T	T	29.87	29.96	7.4	26	9.3	31	28	25	28	19	
20	36	18	27	-4	8	23	38	0	SN DU			T	T	29.75	29.83	11.8	27	14.9	44*	29	38*	28	20	
21	30	16	23	-8	4	18	42	0				0.0	0.00	29.97	30.05	9.1	30	9.6	23	28	20	28	21	
22	24	12	18	-13	0	14	47	0				0.0	0.00	30.00	30.09	12.8	28	13.2	31	30	26	28	22	
23	21	11	16	-15	-3	12	49	0	SN			0.1	T	29.87	29.96	17.3	30	17.5	36	30	29	31	23	
24	30	10	20	-11	0	15	45	0	SN			T	T	30.12	30.21	14.7	31	15.4	31	30	25	30	24	
25	32	13	23	-8	7	20	42	0				0.0	0.00	30.21	30.30	6.4	24	7.2	20	23	16	27	25	
26	47	16	32	1	19	26	33	0	SN BR			T	T	30.01	30.10	3.6	29	5.2	32	30	26	30	26	
27	36	8	22	-9	-2	13	43	0				0.0	0.00	30.28	30.37	14.8	31	15.0	36	32	26	32	27	
28	28	6*	17	-15	4	16	48	0				0.0	0.00	30.22	30.31	2.8	22	4.5	14	20	12	21	28	
29	31	23	27	-5	24	27	38	0	RA FZRA FZDZ SN BR UP			1.3	0.23	30.07	30.16	2.5	36	3.7	9	01	9	01	29	
30	33	19	26	-6	22	26	39	0	BR			0.0	0.00	30.31	30.40	7.5	03	7.8	17	04	15	05	30	
31	36	32	34	2	30	33	31	0	RA BR			0.0	T	30.13	30.21	10.6	03	10.9	18	06	15	05	31	
35.5		21.9	28.7	■ ■			36.1	0.0	< MONTHLY AVERAGES		TOTALS->			5.4	1.79	29.94		6.7	30	10.6	<- MONTHLY AVERAGES			
-3.8		-1.8	-2.8	■ ■	<-----DEPARTURE FROM NORMAL----->										-1.64	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.89 DATE :01-02					SEA LEVEL PRESSURE DATE TIME										
MONTHLY TOTAL DEPARTURE 1118 89									GREATEST 24-HR SNOWFALL: 3.3 DATE :05					MAXIMUM : 30.47 30 1051										
SEASON TO DATE TOTAL DEPARTURE 3036 222									GREATEST 24-HR SNOWFALL: 3.3 DATE :05					MINIMUM : 29.14 09 0251										
HEATING: 1118 89									NUMBER OF DAYS WITH → MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32 : 24					PRECIPITATION ≥ 0.01 INCH : 7					
COOLING: 0 0									THUNDERSTORMS : 0					MINIMUM TEMP ≤ 0 : 0					PRECIPITATION ≥ 0.10 INCH : 4					
														HEAVY FOG : 0					SNOWFALL ≥ 1.0 INCH : 2					

JANUARY 2003
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JANUARY 2003

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01													01	0.21	0.22	0.01	T	T	0.01	0.01	0.04	0.01	0.01	T	0.01	01			0.84
02	0.03	0.01	T	T	0.01	0.02	0.02	0.02	0.03	0.05	0.09	0.08	02						T				T	T	T	02			0.05
03	T	0.01	T	T	T	T	0.01	0.03	T	0.06	T	0.02	03	0.03	0.01	0.01	0.05	0.02	T	0.04	T			0.01	T	03			0.30
04													04													04			0.00
05													05	T	0.03	0.05	0.05	0.09	0.05	0.01	0.02	0.03	T		T	05			0.33
06													06						T			T	T			06			T
07				T					T	T	T		07												T	07			T
08													08											T	T	08			0.00
09													09													09			0.00
10													10													10	0.00		T
11													11													11	0.00		T
12													12													12			0.00
13													13													13			0.00
14													14													14			0.00
15	T	T											15													15			T
16													16									T	T	0.01	0.01	16	0.02		0.03
17	T	T											17													17			0.01
18													18													18			0.00
19													19													19			T
20													20													20			T
21													21													21			0.00
22													22													22			0.00
23													23										T	T	T	23			T
24	T	T											24													24			T
25													25													25			0.00
26													26						T	T	T					26			T
27													27													27			0.00
28													28													28			0.00
29				T	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	29	0.04	0.05	0.03	0.01	T	T							29			0.23
30										T	T		30													30			0.00
31													31									T	T			31			T

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.08	.11	.12	.15	.17	.22	.23	.33	.38	.43	.48	.52
Ending Date	01	01	01	01	01	01	01	01	01	01	01	01
Ending Time (Hour/Min)	1324	1324	1324	1324	1332	1345	1353	1324	1344	1353	1353	1345

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.

* = 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

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

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

WEATHER NOTATIONS

**WILMINGTON, DE
JANUARY 2003**

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

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

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

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

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

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR—SS		MN—MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							1.00	10.00	
02							7.00	10.00	
03							1.50	10.00	
04							10.00	10.00	
05							.25	10.00	
06							1.00	10.00	
07							5.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							6.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							9.00	10.00	
16							1.75	10.00	
17							4.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							1.75	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							4.00	10.00	
24							9.00	10.00	
25							10.00	10.00	
26							6.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							.75	10.00	
30							5.00	10.00	
31							.50	10.00	
MONTHLY AVGS							6.71	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
 1 7 18

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JANUARY 2003

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 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: 0723		JAN 01		SUNSET: 1649										SUNRISE: 0723		JAN 07		SUNSET: 1654						
01	FEW	NC		8.00		42	38	40	85	0	00	29.88	29.97	01	BKN	090				34	25	31	70	14	30	29.83	29.92
04	BKN	090		10.00		44	40	42	85	6	01	29.89	29.98	04	OVC	020				34	25	31	70	18	30	29.86	29.96
07	OVC	090		5.00	-RA BR	44	41	43	89	9	01	29.89	29.98	07	CLR	NC				30	17	26	59	23	30	29.92	30.01
10	OVC	019		2.50	RA BR	47	45	46	93	10	06	29.85	29.93	10	CLR	NC				26	12	22	55	23	30	29.96	30.05
13	OVC	006		1.00	-RA BR	47	46	46	97	14	05	29.68	29.77	13	CLR	NC				29	13	24	51	22	28	29.88	29.97
16	OVC	004		2.50	-RA BR	47	45	46	93	22	04	29.57	29.66	16	CLR	NC				31	12	25	45	13	26	29.78	29.87
19	OVC	008		4.00	BR	45	42	44	90	25	04	29.54	29.63	19	FEW	NC				30	14	25	51	5	20	29.69	29.78
22	OVC	009		10.00		42	38	40	85	17	03	29.51	29.60	22	OVC	032				32	18	27	56	7	20	29.58	29.67
			SUNRISE: 0723		JAN 02		SUNSET: 1650										SUNRISE: 0723		JAN 08		SUNSET: 1655						
01	OVC	017		7.00	-RA	40	37	39	89	8	34	29.62	29.71	01	OVC	049				33	21	29	61	7	19	29.44	29.53
04	OVC	031		10.00	-RA	39	35	37	86	14	36	29.70	29.79	04	OVC	047				36	22	31	57	7	21	29.36	29.45
07	OVC	025		10.00		40	36	38	86	5	32	29.82	29.90	07	OVC	039				38	23	32	55	12	22	29.30	29.39
10	OVC	024		10.00		42	33	38	71	14	06	29.92	30.01	10	OVC	043				40	28	35	63	12	22	29.34	29.43
13	OVC	020		10.00		42	33	38	71	13	05	29.90	29.98	13	OVC	047				46	31	40	56	17	27	29.31	29.40
16	OVC	021		10.00		41	32	37	70	10	07	29.96	30.05	16	OVC	045				46	32	40	58	13	27	29.34	29.43
19	OVC	009		7.00		38	35	37	89	8	07	30.01	30.10	19	FEW	NC				43	31	38	63	3	22	29.37	29.46
22	OVC	009		10.00		36	32	34	86	15	05	30.01	30.10	22	CLR	NC				39	32	36	76	8	15	29.21	29.30
			SUNRISE: 0723		JAN 03		SUNSET: 1650										SUNRISE: 0723		JAN 09		SUNSET: 1656						
01	OVC	005		6.00	BR	36	33	35	89	15	05	29.98	30.07	01	CLR	NC				35	32	34	89	0	00	29.08	29.16
04	OVC	005		4.00	-RA BR	36	33	35	89	20	05	29.93	30.02	04	CLR	NC				37	31	35	79	6	22	29.07	29.15
07	OVC	005		4.00	-RA BR	35	33	34	93	20	05	29.87	29.96	07	CLR	NC				40	32	37	73	8	22	29.17	29.25
10	OVC	005		3.00	-RA BR	38	36	37	93	17	04	29.81	29.90	10	CLR	NC				51	32	43	48	15	24	29.31	29.39
13	OVC	005		2.50	BR	42	39	41	89	12	03	29.67	29.76	13	SCT	NC				55	32	45	42	15	29	29.32	29.41
16	OVC	005		1.50	-RA BR	43	40	42	89	17	04	29.62	29.71	16	CLR	NC				55	31	44	40	14	28	29.34	29.43
19	OVC	009		10.00	-RA	40	36	38	86	16	02	29.62	29.71	19	CLR	NC				45	32	39	61	0	00	29.36	29.44
22	OVC	009		10.00		37	33	35	86	13	32	29.62	29.71	22	CLR	NC				43	32	38	65	3	26	29.36	29.45
			SUNRISE: 0723		JAN 04		SUNSET: 1651										SUNRISE: 0723		JAN 10		SUNSET: 1657						
01	OVC	022		10.00		35	31	33	85	15	31	29.61	29.70	01	CLR	NC				41	31	37	67	3	17	29.33	29.42
04	OVC	042		10.00		36	30	34	79	16	30	29.64	29.73	04	FEW	NC				47	24	38	41	15	28	29.39	29.47
07	OVC	042		10.00		37	29	34	73	18	30	29.69	29.78	07	CLR	NC				40	23	34	51	9	28	29.46	29.54
10	OVC	021		10.00		37	28	34	70	18	29	29.77	29.86	10	FEW	NC				45	26	37	48	18	28	29.53	29.62
13	OVC	028		10.00		41	26	35	55	18	29	29.78	29.87	13	BKN	070				42	29	37	60	12	28	29.53	29.62
16	OVC	034		10.00		41	26	35	55	13	29	29.84	29.93	16	OVC	060				41	22	34	47	14	27	29.57	29.65
19	OVC	040		10.00		41	27	36	57	14	27	29.92	30.01	19	OVC	120				39	20	32	46	13	27	29.63	29.72
22	OVC	040		10.00		40	26	35	58	13	29	29.95	30.04	22	BKN	110											
			SUNRISE: 0723		JAN 05		SUNSET: 1652										SUNRISE: 0723		JAN 11		SUNSET: 1658						
01	OVC	040		10.00		39	24	33	55	8	27	29.99	30.08	01	BKN	090											
04	OVC	040		10.00		36	24	32	62	7	26	30.01	30.10	04	CLR	NC											
07	CLR	NC		10.00		30	21	27	69	6	30	30.02	30.11	07	FEW	NC											
10	OVC	080		10.00		36	22	31	57	0	00	30.06	30.15	10	CLR	NC											
13	VV	006		0.50	SN	34	28	32	79	6	18	30.00	30.09	13	CLR	NC				28	8	22	43	14	26	29.99	
16	OVC	003		0.50	SN	34	29	32	82	3	17	29.98	30.07	16	CLR	NC				32	10	25	40	18	27	29.92	
19	OVC	005		2.00	-SN	35	30	33	82	5	15	29.96	30.06	19	CLR	NC				32	11	26	41	16	27	29.93	
22	OVC	006		1.00	BR	35	30	33	85	0	00	29.95	30.03	22	CLR	NC				28	11	23	49	13	28	29.98	
			SUNRISE: 0723		JAN 06		SUNSET: 1653										SUNRISE: 0722		JAN 12		SUNSET: 1659						
01	OVC	006		1.00	HZ	35	30	33	82	0	00	29.92	30.01	01	CLR	NC				25	9	21	50	8	28	30.05	30.14
04	OVC	075		1.00	HZ	35	30	33	82	0	00	29.88	29.97	04	CLR	NC				24	8	20	50	12	27	30.10	30.19
07	OVC	050		1.00	HZ	34	29	32	82	3	31	29.86	29.96	07	CLR	NC				23	8	19	53	15	26	30.15	30.24
10	BKN	025		1.00	HZ	35	29	33	78	5	28	29.88	29.97	10	CLR	NC				28	11	23	49	22	28	30.21	30.30
13	OVC	015		3.00		37	27	33	67	6	26	29.81	29.90	13	CLR	NC				34	13	27	42	18	30	30.17	30.27
16	OVC	029		6.00	HZ	37	27	33	67	7	28	29.80	29.89	16	CLR	NC				33	12	27	42	18	30	30.18	30.27
19	OVC	055		5.00	HZ	34	28	32	79	8	29	29.81	29.91	19	CLR	NC				29	13	24	51	6	24	30.20	30.29
22	OVC	070		10.00		35	27	32	72	13	33	29.82	29.91	22	CLR	NC				26	11	22	53	5	23	30.20	30.29

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JANUARY 2003

ILG

WBAN # 13781

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND	PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F				WIND	PRESSURE (INCHES,HG)																	
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)		DIRECTION TENS OF DEG	STATION	SEA LEVEL	SKY COVER		CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL										
SUNRISE: 0722 JAN 13 SUNSET: 1700						SUNRISE: 0720 JAN 19 SUNSET: 1707						SUNRISE: 0719 JAN 20 SUNSET: 1708						SUNRISE: 0719 JAN 21 SUNSET: 1709						SUNRISE: 0718 JAN 22 SUNSET: 1710																	
01	CLR	NC			10.00	25	13	21	60	6	26	30.17	30.26	01	FEW	NC				15	5	13	64	6	17	29.92	30.01	01	CLR	NC				25	11	21	55	8	19	29.69	29.78
04	CLR	NC			10.00	23	14	20	68	5	22	30.10	30.19	04	CLR	NC				13	7	12	77	0	00	29.86	29.96	04	SCT	NC				28	13	23	53	6	20	29.63	29.72
07	CLR	NC			10.00	23	15	21	72	6	20	30.04	30.13	07	BKN	085				13	8	12	81	7	30	29.87	29.96	07	OVC	080				32	15	27	50	12	21	29.61	29.70
10	BKN	120			10.00	30	20	27	66	10	22	29.99	30.08	10	FEW	NC				24	15	21	68	12	27	29.91	30.00	10	FEW	NC				35	18	29	50	15	24	29.64	29.73
13	CLR	NC			10.00	41	13	32	32	15	23	29.84	29.93	13	OVC	049				29	9	23	43	21	28	29.87	29.96	13	FEW	NC				35	10	27	35	23	30	29.68	29.77
16	CLR	NC			10.00	37	16	30	42	8	23	29.83	29.92	16	OVC	055				28	5	22	37	21	28	29.88	29.97	16	CLR	NC				31	-5	22	21	23	28	29.77	29.85
19	CLR	NC			10.00	36	15	29	42	17	30	29.91	30.00	19	CLR	NC				24	6	19	46	6	23	29.89	29.98	19	CLR	NC				25	1	19	35	10	30	29.88	29.98
22	CLR	NC			10.00	32	15	27	50	18	31	29.97	30.06	22	CLR	NC				23	9	19	55	8	18	29.81	29.90	22	CLR	NC				22	2	17	42	10	31	29.95	30.03
SUNRISE: 0722 JAN 14 SUNSET: 1701						SUNRISE: 0721 JAN 15 SUNSET: 1702						SUNRISE: 0721 JAN 16 SUNSET: 1703						SUNRISE: 0721 JAN 17 SUNSET: 1704						SUNRISE: 0721 JAN 18 SUNSET: 1706																	
01	CLR	NC			10.00	26	7	21	44	13	31	30.03	30.12	01	CLR	NC				25	15	22	66	7	29	30.03	30.13	01	CLR	NC				25	15	22	66	7	29	30.03	30.13
04	CLR	NC			10.00	22	5	18	48	12	31	30.06	30.15	04	SCT	NC				25	17	23	72	5	27	30.03	30.12	04	OVC	080				19	3	15	49	10	27	30.20	30.29
07	CLR	NC			10.00	20	6	16	55	6	29	30.08	30.17	07	OVC	080				22	5	13	62	8	25	30.26	30.35	07	FEW	NC				16	5	13	62	8	25	30.26	30.35
10	CLR	NC			10.00	26	8	21	46	12	30	30.10	30.19	10	FEW	NC				27	11	22	51	15	29	30.10	30.19	10	CLR	NC				26	6	18	50	8	27	30.26	30.35
13	BKN	090			10.00	29	6	23	38	8	33	30.02	30.11	13	FEW	NC				30	8	24	39	15	31	30.05	30.14	13	BKN	090				26	6	21	42	7	22	30.18	30.27
16	BKN	100			10.00	28	7	22	41	9	28	30.00	30.09	16	CLR	NC				28	9	23	45	20	27	30.06	30.15	16	CLR	NC				26	6	21	42	7	23	30.10	30.19
19	OVC	100			10.00	26	9	21	48	7	30	30.04	30.13	19	CLR	NC				24	4	19	42	15	29	30.14	30.23	19	CLR	NC				26	7	21	44	7	17	30.01	30.10
22	OVC	100			10.00	25	11	21	55	5	29	30.04	30.13	22	CLR	NC				21	5	17	50	14	28	30.18	30.27	22	CLR	NC				23	21	22	92	6	18	29.98	30.07
SUNRISE: 0721 JAN 15 SUNSET: 1702						SUNRISE: 0721 JAN 16 SUNSET: 1703						SUNRISE: 0721 JAN 17 SUNSET: 1704						SUNRISE: 0721 JAN 18 SUNSET: 1706						SUNRISE: 0721 JAN 19 SUNSET: 1707																	
01	OVC	060			9.00	25	15	22	66	7	29	30.03	30.13	01	CLR	NC				19	3	15	49	9	31	29.96	30.05	01	CLR	NC				16	-4	12	41	16	31	30.00	30.09
04	OVC	100			10.00	25	17	23	72	5	27	30.03	30.12	04	OVC	080				19	6	16	57	3	29	29.98	30.07	04	CLR	NC				12	-6	9	44	14	30	29.97	30.06
07	SCT	NC			10.00	21	17	20	85	5	28	30.05	30.14	07	OVC	070				20	4	16	50	7	32	29.97	30.06	07	FEW	NC				11	-5	8	48	8	28	29.96	30.05
10	CLR	NC			10.00	27	11	22	51	15	29	30.10	30.19	10	CLR	NC				22	4	17	46	10	32	30.00	30.09	10	CLR	NC				15	-4	11	42	21	32	29.89	29.98
13	BKN	050			10.00	30	8	24	39	15	31	30.05	30.14	13	BKN	090				27	6	21	41	15	30	29.92	30.01	13	SCT	NC				20	-4	15	34	17	32	29.80	29.89
16	BKN	055			10.00	28	9	23	45	20	27	30.06	30.15	16	CLR	NC				29	4	22	34	14	28	29.89	29.98	16	BKN	050				19	-4	14	36	17	30	29.75	29.84
19	CLR	NC			10.00	24	4	19	42	15	29	30.14	30.23	19	CLR	NC				24	1	19	37	18	30	29.95	30.04	19	CLR	NC				19	-1	15	41	15	28	30.06	30.09
22	CLR	NC			10.00	21	5	17	50	14	28	30.18	30.27	22	CLR	NC				19	2	15	47	8	28	30.00	30.09	22	CLR	NC				17	-1	13	45	12	29	30.00	30.09
SUNRISE: 0721 JAN 16 SUNSET: 1703						SUNRISE: 0721 JAN 17 SUNSET: 1704						SUNRISE: 0721 JAN 18 SUNSET: 1706						SUNRISE: 0717 JAN 23 SUNSET: 1711						SUNRISE: 0717 JAN 24 SUNSET: 1712																	
01	CLR	NC			10.00	19	3	15	49	10	27	30.20	30.29	01	FEW	NC				17	1	14	49	10	28	30.01	30.10	01	FEW	NC				12	-4	10	61	23	31	29.86	29.96
04	CLR	NC			10.00	18	4	15	54	8	25	30.22	30.31	04	FEW	NC				13	1	10	59	7	29	30.00	30.09	04	SCT	NC				12	-4	9	48	20	32	29.95	30.04
07	CLR	NC			10.00	16	5	13	62	8	25	30.26	30.35	07	FEW	NC				12	1	10	61	5	23	30.02	30.11	07	FEW	NC				11	-2	8	56	16	32	30.04	30.14
10	CLR	NC			10.00	22	6	18	50	8	27	30.26	30.35	10	CLR	NC				20	2	16	45	18	29	30.02	30.11	10	CLR	NC				18	-1	14	43	16	32	30.14	30.23
13	CLR	NC			10.00	26	6	21	42	7	22	30.18	30.27	13	CLR	NC				23	0	18	36	21	28	29.95	30.04	13	CLR	NC				27	-2	20	28	20	30	30.15	30.24
16	CLR	NC			10.00	26	6	21	42	7	23	30.10	30.19	16	CLR	NC				23	0	18	36	21	28	29.95	30.04	16	CLR	NC				30	-3	22	24	20	30	30.18	30.27
19	OVC	041			10.00	26	7	21	44	7	17	30.01	30.10	19	CLR	NC				23	-1	17	35	21	30	29.96	30.05	19	CLR	NC				19	-4	14	36	17	30	29.75	29.84
22	OVC	009			2.00	23	21	22	92	6	18	29.98	30.07	22	CLR	NC				19	-1	15	41	15	28	30.00	30.09	22	OVC	080				16	-2	12	45	20	30	29.77	29.87
SUNRISE: 0721 JAN 17 SUNSET: 1704						SUNRISE: 0721 JAN 18 SUNSET: 1706						SUNRISE: 0721 JAN 19 SUNSET: 1707						SUNRISE: 0717 JAN 23 SUNSET: 1711						SUNRISE: 0717 JAN 24 SUNSET: 1712																	
01	OVC	021			6.00	23	21	22	92	0	00	29.84	29.93	01	CLR	NC				16	-4	12	41	16	31	30.00	30.09	01	OVC	065				15	9	14	77	14	30	29.80	29.89
04	OVC	035			8.00	23	21	22	92	3	32	29.77	29.86	04	CLR	NC				12	-6	9	44	14	30	29.97	30.06	04	SCT	NC				12	-4	9	48	20	32	29.95	30.04
07	BKN	021			8.00	20	17	19	89	7	32	29.76	29.85	07	FEW	NC				11	-5	8	48	8	28	29.96	30.05	07	FEW	NC				11	-2	8	56	16	32	30.04	30.14
10	CLR	NC			9.00	23	16	21	74	10	31	29.81	29.90	10	CLR	NC				15	-4	11	42	21	32	29.89	29.98	10	CLR	NC											

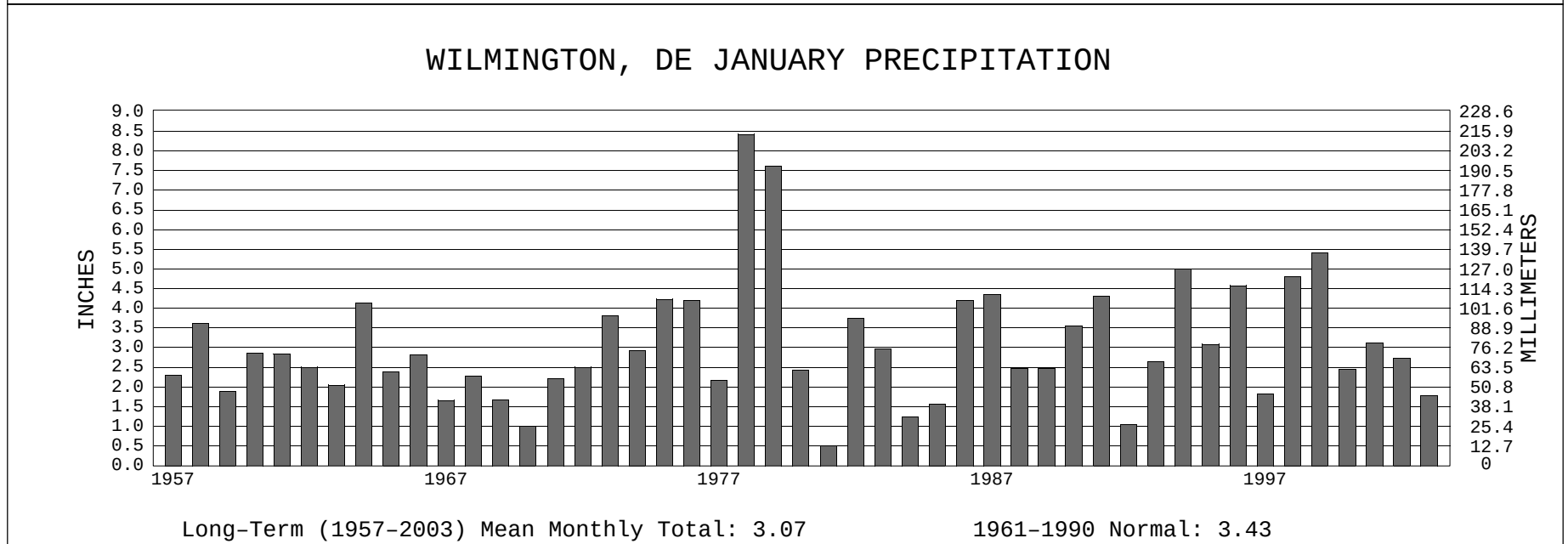
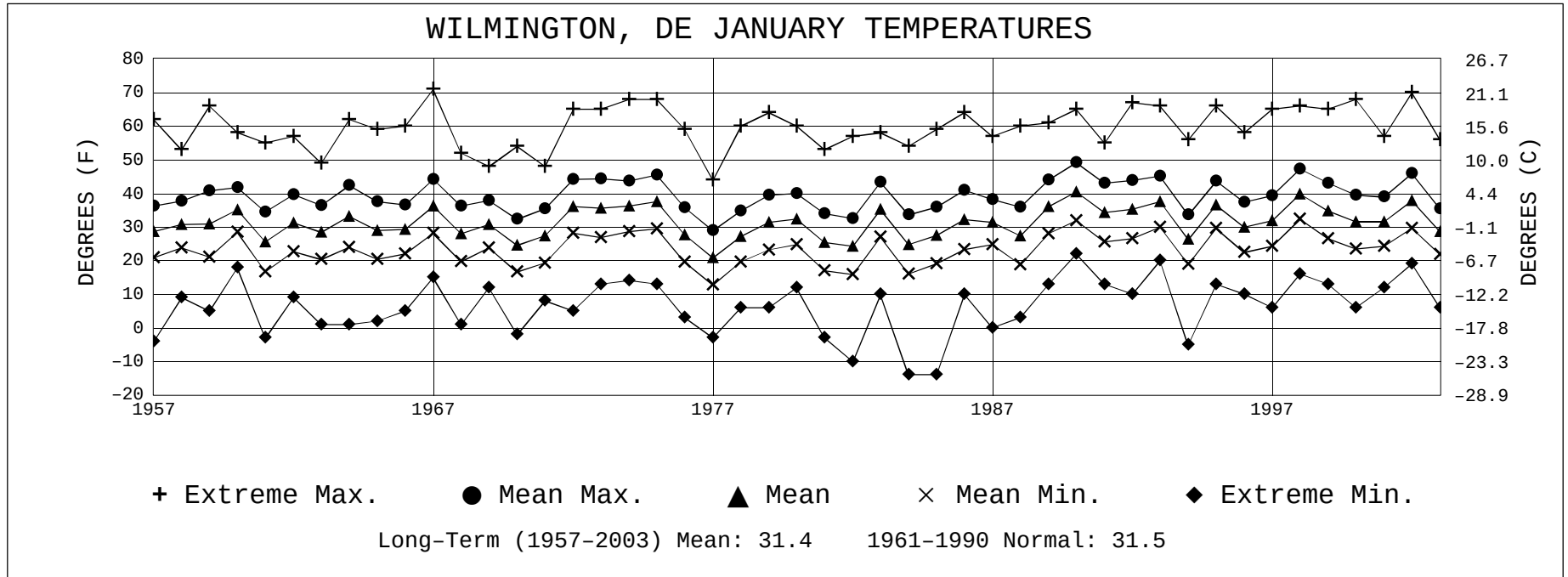
WILMINGTON, DE

JANUARY 2003

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 OFFT	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 OFFT	Observation Time (LST)		Eff CLD AMT Oktas	Visibility (Miles)	Dry Bulb		Dew Point	Wet Bulb	Speed (MPH)	Direction TENS OF DEG	Station	Sea Level											
01	CLR	NC			10.00	JAN 25	18	7	15	62	5	23	30.27	30.36	01	OVC	024			9.00	32	26	30	79	9	02	30.25	30.34												
04	CLR	NC			10.00		15	7	13	70	5	29	30.23	30.32	04	OVC	024			10.00	33	24	30	70	12	02	30.21	30.31												
07	CLR	NC			10.00		16	7	14	67	6	24	30.26	30.35	07	OVC	011			8.00	32	28	31	85	14	03	30.19	30.28												
10	OVC	110			10.00		24	8	20	50	8	27	30.27	30.36	10	OVC	013		-RA	7.00	34	30	32	85	12	02	30.20	30.29												
13	OVC	070			10.00		28	4	22	35	13	27	30.20	30.29	13	OVC	009		BR	6.00	35	31	33	85	13	04	30.11	30.20												
16	SCT	NC			10.00		32	6	25	33	10	21	30.16	30.25	16	OVC	007		BR	5.00	36	33	35	89	12	05	30.06	30.15												
19	OVC	050			10.00		30	8	24	39	6	21	30.18	30.27	19	OVC	005		BR	5.00	35	33	34	93	9	04	30.05	30.14												
22	CLR	NC			10.00		26	9	21	48	8	20	30.16	30.24	22	OVC	003		BR	0.50	34	34	34	100	13	05	30.00	30.09												
SUNRISE: 0716 JAN 25 SUNSET: 1714																																								
01	CLR	NC			10.00	JAN 26	23	11	20	60	3	23	30.12	30.21	3-HOURLY OBSERVATION NOTES																									
04	CLR	NC			10.00		20	12	18	71	0	00	30.10	30.19	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																									
07	OVC	050			10.00		18	14	17	84	3	29	30.06	30.15	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.																									
10	OVC	050			10.00		28	18	25	66	0	00	30.04	30.13	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																									
13	OVC	060			10.00		34	20	29	56	3	11	29.95	30.04	NC= No ceiling detected.																									
16	OVC	070			10.00		35	20	30	54	3	01	29.89	29.98	& = Original observation contained additional weather elements.																									
19	OVC	026			6.00	-SN BR	31	28	30	89	5	27	29.96	30.05	See page 3 for additional notes.																									
22	OVC	055			10.00		39	25	34	57	16	31	29.97	30.06																										
SUNRISE: 0715 JAN 26 SUNSET: 1715																																								
01	OVC	110			10.00	JAN 27	36	18	30	48	13	31	30.02	30.11	SUMMARY BY HOUR																									
04	CLR	NC			10.00		18	5	15	57	22	32	30.12	30.22																										
07	FEW	NC			10.00		11	-5	8	48	15	31	30.25	30.34																										
10	CLR	NC			10.00		14	-6	10	40	22	32	30.33	30.42																										
13	CLR	NC			10.00		18	-6	13	34	21	31	30.31	30.40																										
16	FEW	NC			10.00		18	-7	13	32	17	29	30.29	30.38																										
19	CLR	NC			10.00		14	-6	10	40	10	32	30.37	30.46																										
22	CLR	NC			10.00		12	-5	9	46	5	28	30.37	30.47																										
SUNRISE: 0714 JAN 28 SUNSET: 1717																																								
01	CLR	NC			10.00	JAN 28	10	-4	8	53	5	27	30.35	30.44	SUMMARY BY HOUR																									
04	OVC	095			10.00		10	0	8	63	5	32	30.33	30.43																										
07	OVC	075			10.00		14	-1	11	51	0	00	30.31	30.40																										
10	OVC	070			10.00		18	-1	14	43	7	20	30.29	30.38																										
13	OVC	055			10.00		22	1	17	40	12	21	30.18	30.27																										
16	OVC	050			10.00		26	6	21	42	6	24	30.14	30.23																										
19	OVC	044			10.00		27	7	22	43	5	23	30.14	30.23																										
22	OVC	060			10.00		27	17	24	66	3	11	30.12	30.21																										
SUNRISE: 0713 JAN 29 SUNSET: 1718																																								
01	OVC	046			10.00	JAN 29	28	15	24	58	5	05	30.06	30.15	SUMMARY BY HOUR																									
04	OVC	040			10.00		28	16	24	61	6	05	30.02	30.11																										
07	OVC	031			8.00		27	24	26	89	0	00	30.03	30.12																										
10	OVC	045			3.00	-FZDZ BR	29	27	28	92	6	02	30.02	30.11																										
13	OVC	004			1.00	-FZRA BR	31	29	30	92	5	36	29.99	30.09																										
16	OVC	008			2.00	-SN BR	31	29	30	92	5	34	30.04	30.13																										
19	FEW	NC			5.00	BR	28	27	28	96	3	31	30.13	30.22																										
22	CLR	NC			4.00	BR	26	24	25	92	3	33	30.20	30.29																										
SUNRISE: 0712 JAN 30 SUNSET: 1719																																								
01	CLR	NC			5.00	BR	JAN 30	26	24	25	92	0	00	30.24														30.33	SUMMARY BY HOUR											
04	CLR	NC			10.00		24	19	23	81	5	36	30.28	30.37																										
07	CLR	NC			10.00		22	16	20	78	6	01	30.33	30.42																										
10	CLR	NC			10.00		27	21	25	78	8	05	30.38	30.47																										
13	CLR	NC			10.00		30	22	27	72	10	02	30.34	30.43																										
16	OVC	029			10.00		32	25	29	75	9	05	30.29	30.38																										
19	OVC	025			10.00		32	26	30	79	7	04	30.29	30.38																										
22	OVC	039			10.00		32	24	29	73	13	04	30.27	30.37																										





JANUARY 2003

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.

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