



MARCH 2001

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): 92 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #:0198-117X

MARCH 2001
WILMINGTON, DE

DATE	TEMPERATURE °F							DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								DATE																								
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	0700 LST		1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM																														
																			5-SEC		2-MIN																												
																			SPEED	DIR	SPEED	DIR																											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																										
01	42	25	34	-4	12	28	31	0				0.0	0.00	29.77	29.86	8.7	28	9.5	26	27	20	27	01																										
02	52	31	42	4	25	36	23	0				0.0	0.00	29.60	29.68	5.2	25	6.8	23	26	18	26	02																										
03	55	39	47	9	33	40	18	0				0.0	0.00	29.73	29.81	2.8	30	6.9	17	11	15	11	03																										
04	41	33	37	-2	33	35	28	0	RA SN RAPLSN BR			T	0.64	29.82	29.91	16.4	06	16.6	37	08	30	08	04																										
05	34	26	30	-9	27	30	35	0	RA FZRA FZDZ SN PL FG+			T	0.21	29.49	29.58	13.9	33	18.0	39	29	32	29	05																										
06	37	21*	29*	-10	20	27	36	0	RA SN			T	T	29.37	29.45	20.2	30	20.9	39	32	30	31	06																										
07	47	32	40	0	24	33	25	0				0.0	0.00	29.73	29.82	11.4	31	11.7	26	32	21	32	07																										
08	45	26	36	-4	27	33	29	0				0.0	0.00	29.92	30.00	3.7	15	7.0	15	16	15	16	08																										
09	44	33	39	-1	27	34	26	0	RA BR HZ			0.0	0.05	29.78	29.86	9.6	28	12.3	28	29	24	29	09																										
10	45	30	38	-3	19	31	27	0				0.0	0.00	29.91	30.00	13.9	29	14.8	36	31	25	30	10																										
11	56	26	41	0	25	35	24	0				0.0	0.00	29.96	30.04	6.8	26	8.9	31	29	20	28	11																										
12	48	27	38	-4	25	33	27	0	RA BR			0.0	0.30	30.08		2.3	12	8.1	24	16	20	16	12																										
13	53	37	45	3	43	44	20	0	RA FG+ BR			0.0	0.36	29.49	29.56	1.9	24	4.7	33	26	25	26	13																										
14	53	37	45	3	28	39	20	0				0.0	0.00	29.69	29.78	14.6	27	15.1	40	30	33	29	14																										
15	52	31	42	-1	32	38	23	0	RA BR			0.0	0.22	29.85	29.93	1.8	09	4.1	18	05	13	06	15																										
16	50	38	44	1	40	42	21	0	RA BR HZ			0.0	0.17	29.82	29.90	1.9	10	5.2	14	07	12	06	16																										
17	44	38	41	-2	40	41	24	0	RA BR			0.0	0.05	29.86	29.95	1.9	05	7.8	37	28	28	29	17																										
18	50	34	42	-1	20	33	23	0				0.0	0.00	30.08	30.17	17.8	31	18.4	38	33	30	31	18																										
19	53	31	42	-2	17	33	23	0				0.0	0.00	30.30	30.39	9.5	32	10.4	24	01	21	36	19																										
20	55	30	43	-1	25	36	22	0	RA			0.0	T	30.33	30.41	6.2	07	9.4	23	05	18	05	20																										
21	45	41	43	-1	42	43	22	0	RA BR			0.0	1.40	29.82	29.90	21.8	04	22.2	49*	04	39*	04	21																										
22	50	41	46	1	35	41	19	0				0.0	0.00	29.49	29.58	19.2	31	19.9	40	32	35	32	22																										
23	59*	38	49*	4	25	39	16	0				0.0	0.00	29.65	29.74	18.2	28	18.5	44	29	36	28	23																										
24	52	32	42	-3	26	37	23	0	RA			0.0	T	29.77	29.85	11.1	27	12.9	36	31	28	31	24																										
25	46	28	37	-9	18	31	28	0				0.0	0.00	29.95	30.04	6.0	29	9.2	21	28	17	28	25																										
26	39	25	32	-14	16	28	33	0	SN BR			0.7	0.07	29.98	30.07	10.3	30	12.9	32	29	25	28	26																										
27	41	22	32	-14	13	26	33	0	RA			0.0	T	30.16	30.25	10.4	30	11.0	26	27	22	27	27																										
28	49	26	38	-9	22	32	27	0				0.0	0.00	30.22	30.31	3.8	26	7.4	20	24	16	24	28																										
29	48	32	40	-7	35	38	25	0	RA BR HZ			0.0	0.78	30.16	30.25	7.7	08	9.8	32	05	25	05	29																										
30	48	39	44	-3	42	44	21	0	RA BR			0.0	1.35	29.62	29.70	7.5	34	12.9	36	04	30	04	30																										
31	48	34	41	-6	35	39	24	0	RA BR			0.0	0.02	29.74	29.82	1.7	33	3.5	10	32	8	01	31																										
										47.8		31.7	39.8	■ ■	27.5	35.5	25.0	0.0	< MONTHLY AVERAGES		TOTALS->		0.7	5.62	29.84		5.8	31	11.5	<- MONTHLY AVERAGES																			
										-4.3		-1.4	-2.9	■ ■	<-----DEPARTURE FROM NORMAL----->										2.19		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																						
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 2.13 DATE :29-30										SEA LEVEL PRESSURE DATE TIME																													
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.7 DATE :26										MAXIMUM : 30.48 20 0851																													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:										MINIMUM : 29.34 06 1251																													
HEATING: 776 85 4674 243										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32 : 18										PRECIPITATION ≥ 0.01 INCH : 13									
COOLING: 0 0 0 0																				MAXIMUM TEMP ≤ 32 : 0										MINIMUM TEMP ≤ 0 : 0										PRECIPITATION ≥ 0.10 INCH : 9									
																				THUNDERSTORMS : 0										HEAVY FOG : 2										SNOWFALL ≥ 1.0 INCH : 0									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

MARCH 2001

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												01		0.00		
02													02												02		0.00		
03													03												03		0.00		
04													04	0.05	0.08	0.07	0.06	0.05	0.05	0.03	0.02	0.06	0.02	0.01	0.03	04		0.64	
05	0.01	T	0.03	0.01	0.01	0.02	0.01	T	0.04	0.02	0.01	0.03	05	T		T	0.01	T	T	T					05		0.21		
06					T	T	T	T	T	T	T	T	06	T	T	T		T	T	T					06		T		
07													07												07		0.00		
08													08												08		0.00		
09				T	0.02	0.03	T	T	T				09												09		0.05		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.30		
13		0.10	0.09	0.01	T	T							13			T	T						0.01	T	13	0.00	0.36		
14													14												14		0.00		
15													15			T	T	T	T	0.07	0.08	0.06	T		0.01	15		0.22	
16													16				T	0.08	T	0.01	0.06	0.01	0.01	T		16		0.17	
17		T					0.01						17			T		T	0.04	T					17		0.05		
18													18												18		0.00		
19													19												19		0.00		
20													20											T	20		T		
21	0.02	0.06	T	T	0.01	0.02	0.03	0.07	0.07	0.03	0.10	0.15	21	0.17	0.20	0.24	0.13	0.10	T		T	T		21		1.40			
22													22												22		0.00		
23													23												23		0.00		
24													24		T	T		T							24		T		
25													25												25		0.00		
26			T	T	0.01	0.02	T	T	T				26												26	0.03	0.07		
27													27	T	T										27		T		
28													28												28		0.00		
29													29			T	0.01	0.02	0.05	0.05	0.06	0.08	0.14	0.17	0.20	29		0.78	
30	0.14	0.35	0.22	0.17	0.03	0.05	0.18	0.11	0.06	0.04			30												30		1.35		
31										0.02	T	T	31												31		0.02		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.08	.12	.18	.23	.30	.35	.43	.50	.58	.64	.68	.77
Ending Date	30	30	30	30	30	30	30	30	30	30	30	30
Ending Time (Hour/Min)	0152	0156	0159	0159	0205	0214	0205	0205	0214	0228	0301	0344

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 MARCH 2001

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 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.

ADDITIONAL NOTES:

ERRATA - Correction to Jan 2001 LCD Page 1
Day 5 Max Temp = 32 ; Avg Temp = 26 ; Dep from norma = -5 and HDD = 39.
SOM Avg Max = 38.9 Dep 0.2 Avg Temp = 31.6 Dep = 1.0
Avg Min dep = 1.8... HDD = 1029 DEP -37 Season Total = 3097 DEP= 242 No Days Max temp =

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							10.00	10.00	
02							10.00	10.00	
03							8.00	10.00	
04							.75	10.00	
05							.25	10.00	
06							1.50	10.00	
07							10.00	10.00	
08							9.00	10.00	
09							2.00	10.00	
10							10.00	10.00	
11							8.00	10.00	
12							4.00	10.00	
13							.25	10.00	
14							10.00	10.00	
15							5.00	10.00	
16							1.50	10.00	
17							2.50	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							1.75	10.00	
22							7.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							.75	10.00	
27							10.00	10.00	
28							8.00	10.00	
29							2.50	10.00	
30							1.50	10.00	
31							6.00	10.00	
MONTHLY AVGS							6.35	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		11		18					

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MARCH 2001 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	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0635 MAR 01				SUNSET: 1755				SUNRISE: 0626 MAR 07				SUNSET: 1801																	
01	CLR	NC		10.00	32	11	26	41	13	28	29.86	29.95	01	BKN	120		10.00	34	24	30	67	17	32	29.55	29.65				
04	BKN	120		10.00	29	13	24	51	7	31	29.83	29.92	04	OVC	047		10.00	34	24	30	67	13	32	29.60	29.69				
07	CLR	NC		10.00	27	11	22	51	9	28	29.85	29.95	07	CLR	NC		10.00	33	25	30	72	8	32	29.67	29.76				
10	CLR	NC		10.00	34	12	27	40	18	29	29.84	29.93	10	OVC	055		10.00	40	25	34	55	15	33	29.71	29.80				
13	CLR	NC		10.00	39	13	30	34	17	28	29.78	29.87	13	FEW	NC		10.00	45	25	37	46	13	31	29.71	29.80				
16	CLR	NC		10.00	40	12	31	32	14	25	29.70	29.80	16	CLR	NC		10.00	47	23	38	39	16	30	29.74	29.83				
19	FEW	NC		10.00	40	11	31	30	3	19	29.68	29.78	19	CLR	NC		10.00	38	21	32	51	7	31	29.83	29.92				
22	SCT	NC		10.00	38	16	30	41	3	21	29.67	29.76	22	CLR	NC		10.00	34	22	30	61	9	29	29.88	29.97				
SUNRISE: 0634 MAR 02				SUNSET: 1756				SUNRISE: 0625 MAR 08				SUNSET: 1802																	
01	BKN	085		10.00	37	21	31	52	3	04	29.65	29.74	01	CLR	NC		10.00	31	25	29	79	8	29	29.92	30.01				
04	OVC	090		10.00	36	24	32	62	0	00	29.63	29.72	04	CLR	NC		10.00	30	25	28	82	6	31	29.92	30.01				
07	CLR	NC		10.00	32	24	29	73	0	00	29.62	29.71	07	CLR	NC		9.00	27	22	25	81	3	03	29.95	30.04				
10	OVC	050		10.00	44	22	36	41	10	26	29.60	29.69	10	CLR	NC		10.00	38	23	32	55	0	00	29.98	30.07				
13	CLR	NC		10.00	50	24	40	36	13	24	29.54	29.62	13	SCT	NC		10.00	42	24	35	49	9	15	29.91	30.00				
16	OVC	050		10.00	48	27	39	44	6	24	29.53	29.62	16	CLR	NC		10.00	43	31	38	63	14	16	29.87	29.96				
19	OVC	050		10.00	46	28	39	50	5	24	29.57	29.66	19	OVC	080		10.00	39	32	36	76	12	13	29.89	29.98				
22	OVC	055		10.00	46	29	39	51	6	22	29.60	29.69	22	CLR	NC		10.00	36	32	34	86	7	13	29.87	29.96				
SUNRISE: 0632 MAR 03				SUNSET: 1757				SUNRISE: 0623 MAR 09				SUNSET: 1803																	
01	OVC	048		10.00	45	32	39	61	7	26	29.62	29.71	01	SCT	NC		9.00	37	33	35	86	7	09	29.82	29.91				
04	CLR	NC		10.00	41	33	38	74	5	23	29.63	29.72	04	OVC	026		7.00	38	36	37	93	6	18	29.77	29.85				
07	OVC	050		9.00	41	34	38	76	6	24	29.68	29.77	07	OVC	024		4.00	38	36	37	93	6	23	29.75	29.84				
10	OVC	050		10.00	49	35	43	59	9	28	29.72	29.80	10	BKN	080		8.00	40	30	36	68	17	28	29.75	29.84				
13	BKN	060		10.00	51	32	43	48	9	30	29.72	29.80	13	BKN	060		10.00	41	21	34	45	23	30	29.74	29.83				
16	BKN	055		8.00	54	32	44	43	6	34	29.72	29.81	16	OVC	065		10.00	40	21	33	47	13	31	29.74	29.83				
19	OVC	055		10.00	48	32	41	54	5	36	29.78	29.87	19	FEW	NC		10.00	37	18	30	46	13	27	29.79	29.88				
22	OVC	055		10.00	42	30	37	62	10	07	29.85	29.93	22	CLR	NC		10.00	34	20	29	56	12	27	29.83	29.92				
SUNRISE: 0631 MAR 04				SUNSET: 1758				SUNRISE: 0621 MAR 10				SUNSET: 1804																	
01	OVC	050		10.00	40	32	37	73	7	05	29.88	29.97	01	CLR	NC		10.00	33	22	29	64	15	28	29.83	29.92				
04	OVC	040		9.00	40	35	38	83	14	06	29.88	29.97	04	CLR	NC		10.00	31	19	27	61	17	28	29.83	29.92				
07	OVC	041		10.00	39	33	37	79	15	08	29.90	29.99	07	CLR	NC		10.00	31	19	27	61	15	29	29.87	29.96				
10	OVC	007		4.00	35	34	35	96	13	06	29.91	30.00	10	CLR	NC		10.00	37	19	31	48	21	30	29.92	30.01				
13	OVC	008		1.75	35	34	35	96	17	07	29.83	29.92	13	CLR	NC		10.00	43	19	34	38	18	29	29.91	30.00				
16	OVC	005		2.50	33	32	33	96	17	05	29.81	29.90	16	CLR	NC		10.00	45	18	35	34	17	30	29.90	29.99				
19	OVC	011		8.00	34	32	33	92	29	06	29.76	29.85	19	CLR	NC		10.00	38	18	31	44	9	28	29.93	30.02				
22	OVC	014		10.00	33	31	32	92	26	06	29.66	29.75	22	CLR	NC		10.00	35	19	30	52	5	24	29.97	30.06				
SUNRISE: 0629 MAR 05				SUNSET: 1759				SUNRISE: 0620 MAR 11				SUNSET: 1805																	
01	OVC	012		9.00	33	31	32	92	15	05	29.60	29.70	01	CLR	NC		10.00	33	20	29	59	5	22	29.99	30.09				
04	OVC	008		6.00	34	32	33	92	22	04	29.52	29.61	04	CLR	NC		10.00	29	23	27	78	0	00	29.96	30.05				
07	OVC	010		2.00	32	30	31	92	13	35	29.50	29.59	07	CLR	NC		8.00	27	23	26	85	0	00	29.95	30.04				
10	OVC	009		1.50	30	28	29	92	15	32	29.48	29.57	10	CLR	NC		10.00	41	28	36	60	8	20	29.91	30.00				
13	OVC	032		8.00	31	28	30	89	15	31	29.46	29.55	13	CLR	NC		10.00	53	24	41	32	15	24	29.86	29.95				
16	BKN	016		10.00	32	27	30	82	17	31	29.44	29.53	16	OVC	075		10.00	55	23	42	29	13	25	29.86	29.95				
19	OVC	029		3.00	32	29	31	88	20	30	29.48	29.57	19	CLR	NC		10.00	46	31	40	56	15	31	29.98	30.07				
22	OVC	055		10.00	29	14	24	54	22	30	29.48	29.57	22	CLR	NC		10.00	38	25	33	60	9	29	30.06	30.15				
SUNRISE: 0628 MAR 06				SUNSET: 1760				SUNRISE: 0618 MAR 12				SUNSET: 1806																	
01	OVC	090		10.00	25	11	21	55	23	28	29.43	29.52	01	CLR	NC		10.00	33	22	29	64	7	32	30.11	30.20				
04	OVC	037		10.00	23	12	20	63	20	28	29.36	29.45	04	CLR	NC		10.00	32	21	28	64	3	30	30.14	30.23				
07	OVC	036		5.00	22	17	20	82	15	29	29.30	29.39	07	CLR	NC		10.00	27	21	25	78	6	34	30.21	30.29				
10	CLR	NC		10.00	27	19	24	72	20	31	29.26	29.35	10	CLR	NC		10.00	39	17	31	41	9	06	30.23	30.32				
13	OVC	032		10.00	35	25	31	67	28	31	29.25	29.34	13	CLR	NC		10.00												
16	OVC	075		10.00	37	25	32	62	26	32	29.31	29.40	16	CLR	NC		10.00												
19	OVC	028		8.00	34	25	31	70	25	32	29.42	29.51	19	CLR	NC		10.00												
22	OVC	080		10.00	34	22	30	61	18	32	29.51	29.59	22	OVC	028		8.00												

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

MARCH 2001

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okts	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okts	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)	
	SKY COVER	CEILING 100'S OF FT					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					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0617 MAR 13							SUNSET: 1807							SUNRISE: 0607 MAR 19							SUNSET: 1814								
01	OVC	003		4.00	RA BR	38	38	38	100	12	04	29.68		01	CLR	NC		10.00			34	15	28	46	13	30	30.26	30.35	
04	OVC	005		5.00	-RA BR	41	40	41	96	6	32	29.57	29.66	04	CLR	NC		10.00			32	15	27	50	12	30	30.26	30.35	
07	OVC	001		0.50	FG	41	41	41	100	0	00	29.52	29.62	07	CLR	NC		10.00			33	18	28	54	12	30	30.30	30.39	
10	OVC	003		1.50	BR	44	44	44	100	0	00	29.48	29.57	10	CLR	NC		10.00			46	17	36	31	15	34	30.32	30.41	
13	OVC	003		1.25	BR	46	46	46	100	3	17	29.38	29.46	13	CLR	NC		10.00			51	16	38	25	13	32	30.31	30.39	
16	CLR	NC		9.00		53	47	50	80	9	26	29.37	29.46	16	CLR	NC		10.00			53	16	39	23	13	31	30.27	30.36	
19	CLR	NC		7.00		47	45	46	93	0	00	29.45	29.54	19	CLR	NC		10.00			48	16	36	28	5	35	30.29	30.37	
22	CLR	NC		4.00	BR	42	42	42	100	8	15	29.46	29.55	22	CLR	NC		10.00			42	19	34	40	6	31	30.34	30.42	
SUNRISE: 0615 MAR 14							SUNSET: 1808							SUNRISE: 0606 MAR 20							SUNSET: 1815								
01	SCT	NC		10.00		46	34	41	63	15	27	29.50	29.58	01	CLR	NC		10.00			37	19	31	48	3	34	30.36	30.45	
04	CLR	NC		10.00		41	32	37	70	5	22	29.50	29.59	04	CLR	NC		10.00			30	19	26	64	6	36	30.34	30.43	
07	CLR	NC		10.00		43	31	38	63	12	25	29.59	29.68	07	CLR	NC		10.00			32	22	29	66	6	31	30.38	30.47	
10	FEW	NC		10.00		48	25	39	41	26	28	29.67	29.75	10	CLR	NC		10.00			47	23	38	39	7	04	30.39	30.48	
13	OVC	055		10.00		49	27	40	43	26	26	29.71	29.80	13	CLR	NC		10.00			53	22	41	30	9	14	30.35	30.44	
16	FEW	NC		10.00		52	25	41	35	26	27	29.74	29.82	16	CLR	NC		10.00			52	26	41	37	6	14	30.28	30.37	
19	CLR	NC		10.00		49	25	39	39	10	26	29.82	29.91	19	CLR	NC		10.00			48	32	41	54	12	09	30.28	30.37	
22	CLR	NC		10.00		44	25	37	47	6	27	29.87	29.96	22	OVC	065		10.00			45	27	38	49	15	06	30.26	30.34	
SUNRISE: 0614 MAR 15							SUNSET: 1809							SUNRISE: 0604 MAR 21							SUNSET: 1816								
01	CLR	NC		10.00		36	26	32	67	3	17	29.89	29.97	01	OVC	050		10.00	-RA		42	37	40	82	10	05	30.17	30.26	
04	CLR	NC		10.00		36	26	32	67	6	17	29.88	29.97	04	OVC	047		10.00	-RA		43	38	41	82	18	04	30.06	30.15	
07	CLR	NC		10.00		35	27	32	72	0	00	29.93	30.02	07	OVC	049		10.00	-RA		43	40	42	89	17	05	30.02	30.11	
10	CLR	NC		10.00		46	31	40	56	6	16	29.89	29.98	10	OVC	015		10.00	-RA		43	41	42	93	22	05	29.93	30.02	
13	CLR	NC		10.00		51	29	42	43	5	08	29.85	29.93	13	OVC	008		10.00	4.00 RA BR		43	42	43	97	32	04	29.80	29.88	
16	BKN	100		10.00		50	32	42	50	3	19	29.76	29.85	16	OVC	009		10.00	2.50 RA BR		45	44	45	97	29	05	29.64	29.73	
19	OVC	032		7.00	-RA BR	43	38	41	82	9	07	29.79	29.88	19	OVC	010		10.00			45	43	44	93	23	04	29.59	29.68	
22	OVC	060		9.00		40	38	39	93	8	03	29.78	29.87	22	OVC	010		10.00			45	43	44	93	15	02	29.53	29.62	
SUNRISE: 0612 MAR 16							SUNSET: 1810							SUNRISE: 0602 MAR 22							SUNSET: 1817								
01	OVC	050		6.00	BR	40	39	40	97	0	00	29.80	29.88	01	OVC	008		10.00			44	44	44	100	9	36	29.48	29.57	
04	OVC	055		4.00	BR	40	39	40	97	3	28	29.82	29.90	04	OVC	008		10.00			42	40	41	92	12	33	29.44	29.53	
07	OVC	044		2.50	BR	41	40	41	96	0	00	29.87	29.95	07	OVC	014		10.00			42	38	40	85	18	31	29.46	29.55	
10	BKN	045		10.00		49	38	44	66	5	11	29.85	29.94	10	OVC	025		10.00			45	37	41	74	20	31	29.46	29.54	
13	OVC	041		10.00		49	40	45	71	8	14	29.82	29.91	13	OVC	036		10.00			47	35	42	63	20	30	29.43	29.52	
16	OVC	031		10.00	-RA	46	40	43	79	8	16	29.78	29.87	16	OVC	046		10.00			48	33	41	56	26	31	29.47	29.55	
19	OVC	018		4.00	-RA BR	44	42	43	93	0	00	29.78	29.86	19	OVC	041		10.00			45	32	39	61	29	29	29.54	29.63	
22	OVC	005		4.00	-RA BR	42	42	42	100	10	06	29.79	29.88	22	CLR	NC		10.00			43	29	37	58	18	30	29.59	29.68	
SUNRISE: 0610 MAR 17							SUNSET: 1811							SUNRISE: 0601 MAR 23							SUNSET: 1818								
01	OVC	005		4.00	BR	41	41	41	100	8	04	29.78	29.87	01	CLR	NC		10.00			43	30	38	60	21	29	29.58	29.67	
04	OVC	005		6.00	BR	42	41	42	96	7	04	29.81	29.89	04	CLR	NC		10.00			42	28	36	58	16	28	29.61	29.70	
07	OVC	009		8.00		40	38	39	93	12	04	29.87	29.96	07	CLR	NC		10.00			40	26	35	58	9	26	29.66	29.75	
10	OVC	011		9.00		43	40	42	89	7	07	29.89	29.98	10	CLR	NC		10.00			52	24	41	34	18	29	29.66	29.75	
13	OVC	011		9.00		43	40	42	89	6	18	29.88	29.97	13	CLR	NC		10.00			57	20	42	24	30	27	29.60	29.69	
16	OVC	009		6.00	BR	43	42	43	97	6	14	29.85	29.93	16	BKN	085		10.00			58	25	44	28	18	26	29.59	29.68	
19	OVC	009		6.00	-RA BR	43	42	43	97	0	00	29.86	29.95	19	CLR	NC		10.00			49	27	40	43	16	28	29.68	29.77	
22	OVC	075		10.00		43	37	40	80	16	28	29.89	29.98	22	CLR	NC		10.00			47	24	38	41	14	26	29.74	29.83	
SUNRISE: 0609 MAR 18							SUNSET: 1812							SUNRISE: 0559 MAR 24							SUNSET: 1819								
01	BKN	044		10.00		37	26	33	65	21	29	29.93	30.02	01	CLR	NC		10.00			41	23	34	49	9	25	29.78	29.87	
04	OVC	041		10.00		34	22	30	61	14	29	29.94	30.03	04	CLR	NC		10.00			38	25	33	60	7	23	29.78	29.87	
07	OVC	037		10.00		35	24	31	64	20	30	30.00	30.09	07	FEW	NC		10.00			40	28	35	63	7	20	29.76	29.85	
10	CLR	NC		10.00		41	23	34	49	21	33	30.06	30.14	10	SCT	NC		10.00			49	30	41	48	12	22	29.71	29.80	
13	FEW	NC		10.00		47	23	38	39	22	30	30.08	30.16	13	SCT	NC		10.00			51	35	44	54	18	28	29.68	29.76	
16	CLR	NC		10.00		49	18	37	29	17	32	30.09	30.18	16	BKN	090		10.00			50	30	41	46	20	28	29.67	29.76	
19	CLR	NC		10.00		43	14	33	31	13	31	30.16	30.26	19	CLR	NC		10.00			45	26	37	48	21	29	29.75	29.84	
22	CLR	NC		10.00		39	11	30	31	15	32	30.23	30.32	22	CLR	NC		10.00			38	15	30	39	21	29	29.89	29.98	

OBSERVATIONS AT 3-HOURLY INTERVALS

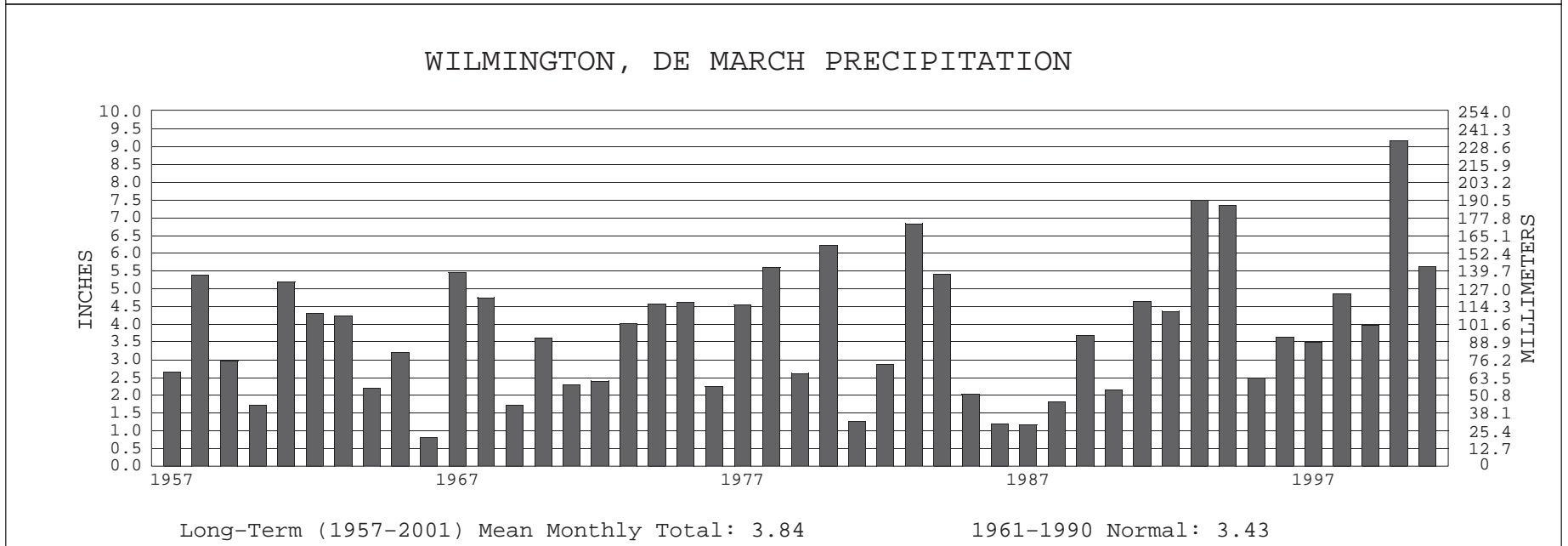
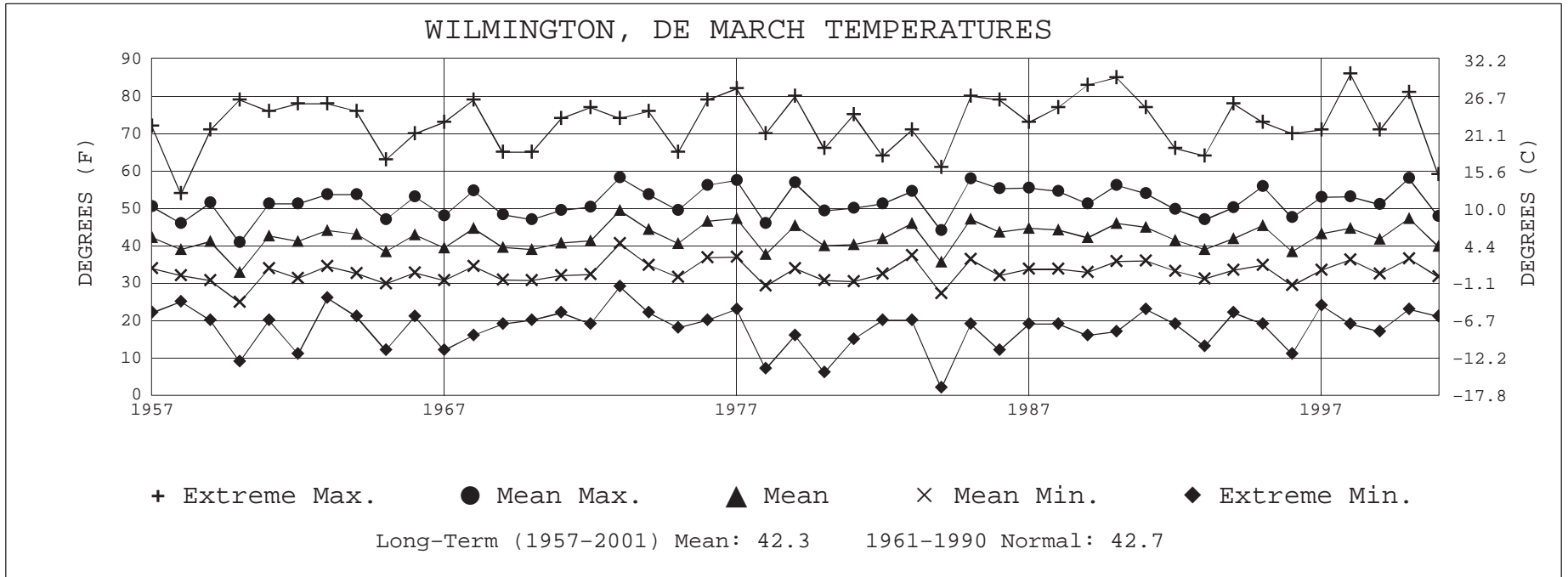
WILMINGTON, DE

MARCH 2001

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	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: 0558								MAR 25								SUNSET: 1820								SUNRISE: 0548								MAR 31								SUNSET: 1826							
01	CLR	NC				10.00		31	13	25	47	9	30	29.97	30.06	01	CLR	NC				10.00		39	34	37	82	7	32	29.73	29.81																
04	CLR	NC				10.00		30	13	25	49	15	31	29.95	30.04	04	CLR	NC				10.00		36	33	35	89	3	24	29.74	29.83																
07	CLR	NC				10.00		31	13	25	47	3	27	30.00	30.09	07	OVC	080				10.00		38	33	36	83	0	00	29.76	29.85																
10	FEW	NC				10.00		38	15	30	39	3	VR	30.00	30.09	10	BKN	030			-RA	10.00		40	37	39	89	7	33	29.77	29.85																
13	CLR	NC				10.00		44	17	34	34	16	29	29.94	30.03	13	OVC	026				10.00		45	36	41	71	3	VR	29.74	29.83																
16	BKN	070				10.00		45	14	34	29	10	28	29.89	29.98	16	OVC	030				10.00		47	36	42	66	0	00	29.71	29.80																
19	FEW	NC				10.00		39	28	35	65	13	14	29.91	30.00	19	OVC	040				10.00		46	36	42	68	3	09	29.73	29.82																
22	OVC	075				10.00		38	31	35	76	0	00	29.93	30.02	22	OVC	080				10.00		44	37	41	76	0	00	29.72	29.81																
SUNRISE: 0556								MAR 26								SUNSET: 1821								3-HOURLY OBSERVATION NOTES																							
01	OVC	060				10.00		37	18	30	46	10	01	29.91	29.99	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	014				2.00	-SN BR	31	28	30	89	8	36	29.91	30.00	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	OVC	043				2.00	BR	31	31	31	100	6	15	29.92	30.01	NC = No ceiling detected.																															
10	OVC	080				10.00		33	22	29	64	16	28	29.97	30.06	& = Original observation contained additional weather elements.																															
13	FEW	NC				10.00		36	8	28	31	20	28	29.96	30.05	See page 3 for additional notes.																															
16	FEW	NC				10.00		36	4	27	26	15	29	29.95	30.04																																
19	CLR	NC				10.00		31	10	25	42	13	31	30.02	30.11																																
22	CLR	NC				10.00		28	14	24	56	10	31	30.09	30.18																																
SUNRISE: 0554								MAR 27								SUNSET: 1822																															
01	CLR	NC				10.00		27	15	23	61	9	30	30.11	30.20																																
04	CLR	NC				10.00		24	14	21	65	9	31	30.11	30.20																																
07	CLR	NC				10.00		25	11	21	55	10	31	30.17	30.26																																
10	CLR	NC				10.00		33	10	26	38	13	28	30.19	30.28																																
13	BKN	055				10.00		37	11	29	34	13	31	30.15	30.24																																
16	FEW	NC				10.00		41	14	32	33	17	32	30.12	30.21																																
19	CLR	NC				10.00		35	15	29	44	9	30	30.17	30.27																																
22	CLR	NC				10.00		32	17	27	54	5	24	30.22	30.31																																
SUNRISE: 0553								MAR 28								SUNSET: 1823																															
01	CLR	NC				10.00		29	18	25	64	7	25	30.23	30.32																																
04	CLR	NC				10.00		27	17	24	66	7	28	30.23	30.32																																
07	CLR	NC				10.00		29	19	26	66	3	25	30.28	30.37																																
10	CLR	NC				10.00		38	19	31	47	7	VR	30.27	30.36																																
13	CLR	NC				10.00		44	19	35	37	13	29	30.21	30.29																																
16	CLR	NC				10.00		48	20	37	33	7	26	30.16	30.25																																
19	CLR	NC				10.00		42	22	35	45	7	17	30.18	30.27																																
22	CLR	NC				9.00		37	34	36	89	3	14	30.22	30.31																																
SUNRISE: 0551								MAR 29								SUNSET: 1824																															
01	CLR	NC				7.00		35	33	34	93	0	00	30.23	30.32																																
04	CLR	NC				7.00		35	33	34	93	6	10	30.24	30.32																																
07	CLR	NC				5.00	HZ	37	32	35	82	5	09	30.24	30.33																																
10	BKN	075				10.00		44	32	39	63	9	11	30.23	30.32																																
13	OVC	050				10.00		47	28	39	48	9	16	30.20	30.29																																
16	OVC	032				6.00	-RA	42	37	40	82	9	10	30.15	30.24																																
19	OVC	026				4.00	-RA BR	40	40	40	100	16	05	30.08	30.17																																
22	OVC	009				4.00	RA BR	40	40	40	100	21	05	29.99	30.08																																
SUNRISE: 0550								MAR 30								SUNSET: 1825																															
01	OVC	005				3.00	+RA BR	42	42	42	100	17	05	29.81	29.90																																
04	OVC	003				3.00	RA BR	44	44	44	100	15	06	29.63	29.72																																
07	OVC	003				1.50	RA BR	46	46	46	100	12	01	29.58	29.67																																
10	OVC	005				10.00		47	47	47	100	8	03	29.53	29.62																																
13	OVC	006				2.50	BR	45	45	45	100	15	30	29.52	29.61																																
16	OVC	021				10.00		46	41	44	83	14	30	29.56	29.65																																
19	OVC	034				10.00		45	39	42	80	17	29	29.64	29.72																																
22	FEW	NC				10.00		42	35	39	76	8	29	29.71	29.80																																





MARCH 2001
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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