



FEBRUARY 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): 93 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #:0198-117X

FEBRUARY 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				
1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
01	48	32	40	9	29	36	25	0			0.0	0.00	30.00	30.10	5.8	27	7.4	26	27	23	28	01			
02	49	27	38	7	28	34	27	0	RA BR UP		T	T	29.90	30.00	6.1	27	9.5	38	28	31	28	02			
03	32	23	28	-3	11	23	37	0			0.0	0.00	30.18	30.29	11.0	29	11.3	28	30	22	30	03			
04	40	22	31	0	22	29	34	0	RA		0.0	T	30.24	30.34	5.6	13	6.4	17	13	15	14	04			
05	36	32	34	3	34	34	31	0	RA SN BR UP		0.5	1.53	29.82	29.92	7.3	32	10.1	23	35	17	34	05			
06	44	32	38	7	31	35	27	0	RA BR		0.0	T	29.90	30.00	6.8	23	7.5	21	26	16	25	06			
07	47	29	38	6	26	34	27	0			0.0	0.00	30.20	30.30	7.6	30	7.3	22	28	18	29	07			
08	43	25	34	2	29	33	31	0	BR		0.0	0.00	30.34	30.44	3.3	11	6.0	20	17	16	16	08			
09	64*	32	48*	16	42	45	17	0	BR HZ		0.0	0.00	29.96	30.06	6.2	17	10.2	33	21	25	20	09			
10	62	29	46	14	27	39	19	0	RA BR		0.0	0.06	29.87	29.97	17.6	28	21.4	45	30	38*	29	10			
11	34	20	27	-5	8	22	38	0			0.0	0.00	30.45	30.55	10.7	30	11.2	29	31	22	30	11			
12	35	21	28	-5	15	25	37	0	RA FZRA BR UP		T	0.05	30.51	30.62	4.7	12	9.7	21	16	17	16	12			
13	52	32	42	9	34	37	23	0	RA BR UP HZ		0.0	0.03	30.26	30.36	3.0	31	5.3	20	31	17	30	13			
14	48	35	42	9	41	41	23	0	RA FG BR		0.0	0.08	29.97	30.07	6.5	16	7.5	17	20	15	20	14			
15	50	39	45	12	38	42	20	0	RA BR		0.0	0.02	29.86	29.96	5.7	35	8.9	20	36	17	36	15			
16	42	38	40	7	36	38	25	0	RA BR		0.0	0.50	29.92	30.02	3.3	04	4.8	11	32	10	32	16			
17	41	24	33	-1	19	30	32	0	RA BR		0.0	0.03	29.94	30.04	18.3	30	18.7	45*	30	34	28	17			
18	33	18	26	-8	7	21	39	0			0.0	0.00	30.32	30.43	8.4	29	9.4	22	27	18	30	18			
19	45	18*	32	-2	16	28	33	0			0.0	0.00	30.26	30.36	8.4	19	9.2	28	21	22	21	19			
20	60	33	47	12	29	38	18	0			0.0	0.00	30.03	30.13	4.2	20	5.5	20	17	17	16	20			
21	50	24	37	2	18	33	28	0			0.0	0.00	30.06	30.16	13.6	30	14.7	36	30	29	29	21			
22	24	19	22*	-13	12	19	43	0	SN FG+ FZFG BR		4.5	0.24	30.23	30.33	9.0	03	10.2	18	06	15	36	22			
23	41	22	32	-3	20	27	33	0			0.0	0.00	30.12	30.22	7.8	28	9.8	21	29	16	31	23			
24	35	25	30	-6	15	26	35	0			0.0	0.00	30.48	30.58	1.7	03	6.9	21	01	17	36	24			
25	53	31	42	6	38	39	23	0	RA FG+ BR		0.0	0.27	30.01	30.11	2.0	16	6.9	23	22	20	21	25			
26	51	34	43	7	31	38	22	0	FG+ BR		0.0	0.00	30.02	30.12	13.8	29	14.3	34	29	28	29	26			
27	53	31	42	5	25	35	23	0			0.0	0.00	30.09	30.19	6.6	28	8.2	32	31	26	30	27			
28	40	27	34	-3	17	29	31	0	SN BR		T	T	29.95	30.05	8.2	31	9.8	29	30	24	30	28			
< MONTHLY AVERAGES										TOTALS->		5.0	2.81	30.10	30.20	4.4	29	9.6	<- MONTHLY AVERAGES						
DEPARTURE FROM NORMAL												->				SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.53 DATE :05				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 4.5 DATE :22				MAXIMUM : 30.73				12 0851							
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: DATE :				MINIMUM : 29.64				10 0451							
HEATING: 801 -84 3894 154										NUMBER OF DAYS WITH		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 23		PRECIPITATION ≥ 0.01 INCH : 10									
COOLING: 0 0 0 0												MAXIMUM TEMP ≤ 32 : 2		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.10 INCH : 4									
												THUNDERSTORMS : 0		HEAVY FOG : 3		SNOWFALL ≥ 1.0 INCH : 1									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

FEBRUARY 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	0.01	T		
03													03												03		0.00		
04													04												04		T		
05	T	0.01			0.06	0.15	0.10	0.14	0.14	0.13	0.12	0.17	05	0.19	0.13	0.11	0.06	0.04	T					05	1.55	1.53			
06													06												06		T		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10				T	T	0.05	0.01						10												10		0.06		
11													11												11		0.00		
12													12												12		0.05		
13	0.01	0.01	T	T									13	0.01											13		0.03		
14													14	T	0.01		T		0.01						14		0.08		
15	T	T	T			0.01	T	0.02	0.03	T	T	0.01	15	T											15		0.02		
16													16	T	0.02	0.06	0.05	0.05	0.02	0.05	0.02	0.01	0.04	0.06	16	0.48	0.50		
17	0.05	T				T	0.02	0.02	T				17												17	0.05	0.03		
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22	T	0.04	0.01	0.04	0.07	0.03	0.02	0.01	0.01	0.01	T	22		0.24		
23													23												23		0.00		
24													24												24		0.00		
25													25	0.03	0.02	0.01			T	0.01		0.01			25		0.27		
26													26												26		0.00		
27													27												27		0.00		
28						T	T						28												28		T		

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	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 FEBRUARY 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:

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							5.00	10.00	
03							10.00	10.00	
04							7.00	10.00	
05							.75	10.00	
06							5.00	10.00	
07							8.00	10.00	
08							6.00	10.00	
09							2.00	10.00	
10							4.00	10.00	
11							10.00	10.00	
12							2.50	10.00	
13							2.50	10.00	
14							.50	7.00	
15							.75	10.00	
16							2.00	10.00	
17							5.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							7.00	10.00	
21							10.00	10.00	
22							.25	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							<.25	10.00	
26							<.25	10.00	
27							8.00	10.00	
28							2.00	10.00	
MONTHLY AVGS							5.46	9.89	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH: SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 28									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 3 10 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 2001

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: 0710				FEB 01				SUNSET: 1722				SUNRISE: 0704				FEB 07				SUNSET: 1730									
01	OVC	075			10.00	38	30	35	73	6	26	29.81	29.91	01	CLR	NC			10.00	37	30	34	76	9	27	30.00	30.11		
04	CLR	NC			10.00	34	29	32	82	5	19	29.86	29.96	04	CLR	NC			10.00	36	27	33	70	12	30	30.08	30.18		
07	OVC	075			10.00	36	30	34	79	5	23	29.94	30.04	07	CLR	NC			10.00	33	25	30	72	7	30	30.16	30.26		
10	BKN	065			10.00	44	31	39	60	13	28	30.02	30.12	10	CLR	NC			10.00	41	26	35	55	10	29	30.21	30.31		
13	FEW	NC			10.00	47	28	39	48	14	28	30.02	30.11	13	CLR	NC			10.00	44	26	37	49	10	30	30.20	30.30		
16	BKN	050			10.00	47	28	39	48	8	31	30.03	30.12	16	CLR	NC			10.00	45	27	38	49	13	30	30.21	30.31		
19	OVC	060			10.00	41	29	36	62	6	30	30.11	30.22	19	CLR	NC			10.00	40	26	35	58	0	00	30.29	30.39		
22	OVC	060			10.00	40	28	35	63	3	33	30.09	30.19	22	CLR	NC			8.00	34	27	31	76	5	31	30.33	30.43		
SUNRISE: 0709				FEB 02				SUNSET: 1724				SUNRISE: 0703				FEB 08				SUNSET: 1731									
01	OVC	060			10.00	37	29	34	73	0	00	30.05	30.15	01	CLR	NC			8.00	31	24	29	76	5	04	30.37	30.47		
04	OVC	060			9.00	34	30	32	85	3	35	30.00	30.10	04	CLR	NC			9.00	29	24	27	82	0	00	30.39	30.49		
07	OVC	048			8.00	34	31	33	89	3	33	29.97	30.07	07	CLR	NC			7.00	26	23	25	88	5	32	30.41	30.51		
10	BKN	075			9.00	38	31	35	76	7	15	29.90	30.00	10	OVC	085			10.00	36	24	32	62	7	08	30.44	30.54		
13	OVC	034			10.00	44	34	40	68	6	15	29.78	29.88	13	SCT	NC			10.00	41	26	35	55	9	14	30.35	30.45		
16	CLR	NC			10.00	47	30	40	52	9	27	29.73	29.83	16	CLR	NC			10.00	43	35	40	74	12	15	30.29	30.39		
19	BKN	090			10.00	37	32	35	82	20	27	29.82	29.93	19	CLR	NC			10.00	40	34	37	79	5	12	30.29	30.39		
22	CLR	NC			10.00	30	13	25	49	20	30	29.96	30.06	22	CLR	NC			7.00	35	33	34	93	5	36	30.23	30.33		
SUNRISE: 0708				FEB 03				SUNSET: 1725				SUNRISE: 0702				FEB 09				SUNSET: 1732									
01	CLR	NC			10.00	26	9	21	48	21	29	30.05	30.15	01	CLR	NC			6.00	35	33	34	93	7	04	30.19	30.29		
04	CLR	NC			10.00	26	10	22	51	15	30	30.05	30.15	04	CLR	NC			5.00	34	34	34	100	6	05	30.14	30.24		
07	CLR	NC			10.00	25	10	21	53	13	28	30.15	30.25	07	CLR	NC			4.00	33	33	33	100	6	04	30.12	30.22		
10	CLR	NC			10.00	28	10	23	47	16	29	30.21	30.31	10	FEW	NC			4.00	42	39	41	89	3	13	30.09	30.19		
13	CLR	NC			10.00	32	12	26	43	14	27	30.19	30.29	13	CLR	NC			6.00	51	44	48	77	6	12	29.97	30.06		
16	CLR	NC			10.00	32	12	26	43	13	27	30.20	30.30	16	CLR	NC			10.00	63	50	56	63	15	18	29.85	29.95		
19	CLR	NC			10.00	28	12	23	51	6	27	30.26	30.37	19	CLR	NC			10.00	60	48	54	65	13	19	29.81	29.90		
22	CLR	NC			10.00	27	12	23	53	0	00	30.28	30.38	22	CLR	NC			10.00	59	50	54	72	16	20	29.70	29.80		
SUNRISE: 0707				FEB 04				SUNSET: 1726				SUNRISE: 0700				FEB 10				SUNSET: 1733									
01	CLR	NC			10.00	24	17	22	75	0	00	30.30	30.40	01	CLR	NC			10.00	61	50	55	67	25	20	29.60	29.70		
04	OVC	060			7.00	26	21	24	81	0	00	30.30	30.40	04	BKN	100			10.00	60	53	56	78	22	21	29.55	29.64		
07	CLR	NC			10.00	25	16	22	69	5	11	30.30	30.40	07	BKN	032			10.00	55	46	50	72	25	30	29.67	29.76		
10	CLR	NC			10.00	32	17	27	54	10	15	30.32	30.42	10	CLR	NC			10.00	46	25	38	44	29	28	29.86	29.96		
13	SCT	NC			10.00	37	22	32	54	14	15	30.25	30.35	13	CLR	NC			10.00	47	18	36	31	30	29	29.91	30.01		
16	CLR	NC			10.00	40	22	33	49	10	15	30.17	30.27	16	CLR	NC			10.00	45	14	34	29	22	29	29.95	30.05		
19	CLR	NC			10.00	36	25	32	64	8	11	30.16	30.26	19	CLR	NC			10.00	38	11	29	33	16	30	30.07	30.17		
22	OVC	034			10.00	35	26	32	70	6	08	30.13	30.23	22	CLR	NC			10.00	33	7	26	33	23	31	30.17	30.27		
SUNRISE: 0706				FEB 05				SUNSET: 1727				SUNRISE: 0659				FEB 11				SUNSET: 1734									
01	OVC	025			10.00	35	31	33	85	5	02	30.06	30.16	01	CLR	NC			10.00	28	8	22	43	18	30	30.26	30.36		
04	OVC	009			9.00	36	34	35	93	12	03	29.94	30.04	04	CLR	NC			10.00	24	8	20	50	8	30	30.32	30.42		
07	OVC	015			5.00	34	34	34	100	12	34	29.91	30.01	07	CLR	NC			10.00	22	9	19	57	5	28	30.42	30.53		
10	OVC	017			5.00	36	35	36	97	14	35	29.82	29.92	10	CLR	NC			10.00	28	6	22	39	17	30	30.47	30.58		
13	OVC	008			3.00	35	34	35	96	12	35	29.69	29.79	13	CLR	NC			10.00	32	8	25	36	16	30	30.45	30.55		
16	OVC	007			0.75	32	32	32	100	9	30	29.69	29.79	16	CLR	NC			10.00	34	8	26	34	14	31	30.46	30.56		
19	BKN	095			9.00	34	33	34	97	9	26	29.73	29.83	19	CLR	NC			10.00	29	7	23	39	6	30	30.53	30.63		
22	OVC	049			6.00	34	33	34	97	9	24	29.78	29.88	22	CLR	NC			10.00	27	7	22	43	5	35	30.57	30.67		
SUNRISE: 0705				FEB 06				SUNSET: 1728				SUNRISE: 0658				FEB 12				SUNSET: 1735									
01	FEW	NC			5.00	34	32	33	92	8	24	29.78	29.88	01	CLR	NC			10.00	24	8	20	50	9	03	30.58	30.68		
04	CLR	NC			10.00	33	30	32	89	8	23	29.84	29.94	04	CLR	NC			10.00	23	4	18	44	9	36	30.60	30.70		
07	SCT	NC			10.00	34	30	32	85	9	22	29.90	30.00	07	CLR	NC			10.00	22	1	17	40	10	07	30.60	30.71		
10	CLR	NC			10.00	38	30	35	73	13	24	29.94	30.04	10	CLR	NC			10.00	26	6	21	42	7	09	30.61	30.71		
13	FEW	NC			10.00	43	32	38	65	13	24	29.91	30.01	13	CLR	NC			10.00	33	11	26	40	13	17	30.54	30.64		
16	OVC	100			10.00	40	32	37	73	9	18	29.88	29.98	16	OVC	070			10.00	34	23	30	64	14	15	30.46	30.56		
19	OVC	075			10.00	39	34	37	82	0	00	29.90	30.00	19	OVC	034			10.00	35	26	32	70	9	17	30.42	30.53		
22	FEW	NC			10.00	38	33	36	83	5	24	29.95	30.05	22	OVC	015			6.00	32	32	32	100	6	19	30.38	30.48		

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 2001

ILG

WBAN # 13781

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0657					FEB 13				SUNSET: 1737				SUNRISE: 0649					FEB 19				SUNSET: 1743							
01	OVC	004	2.50	-RA BR	32	32	32	100	6	18	30.30	30.40	01	CLR	NC	10.00		24	9	20	52	8	25	30.35	30.45				
04	OVC	010	6.00	BR	33	32	33	96	3	32	30.28	30.38	04	CLR	NC	10.00		21	13	19	71	5	20	30.35	30.45				
07	OVC	048	4.00	BR	33	33	33	100	0	00	30.28	30.38	07	CLR	NC	10.00		19	13	17	77	0	00	30.37	30.47				
10	CLR	NC	4.00	BR	38	34	36	86	5	31	30.30	30.40	10	CLR	NC	10.00		33	14	27	45	9	19	30.36	30.46				
13	CLR	NC	10.00		52	34	44	50	15	32	30.24	30.34	13	CLR	NC	10.00		42	15	33	33	15	20	30.27	30.37				
16	CLR	NC	10.00		50	33	43	52	9	29	30.21	30.31	16	CLR	NC	10.00		44	18	35	35	22	18	30.18	30.28				
19	CLR	NC	8.00		44	34	40	68	3	28	30.24	30.34	19	CLR	NC	10.00		39	19	32	45	10	15	30.16	30.26				
22	CLR	NC	7.00		41	34	38	76	5	09	30.24	30.34	22	CLR	NC	10.00		36	23	31	59	8	17	30.14	30.24				
SUNRISE: 0656					FEB 14				SUNSET: 1738				SUNRISE: 0648					FEB 20				SUNSET: 1745							
01	CLR	NC	6.00	BR	37	36	37	96	7	14	30.21	30.30	01	CLR	NC	10.00		34	24	30	67	6	17	30.11	30.22				
04	OVC	046	6.00	BR	37	35	36	93	3	12	30.17	30.27	04	SCT	NC	10.00		36	25	32	64	3	18	30.10	30.20				
07	OVC	034	3.00	-RA BR	39	38	39	96	6	17	30.13	30.23	07	CLR	NC	10.00		37	26	33	65	5	22	30.09	30.19				
10	OVC	028	3.00	BR	41	39	40	93	9	15	30.09	30.19	10	BKN	100	10.00		44	27	37	51	6	24	30.11	30.21				
13	OVC	009	1.25	BR	43	42	43	97	9	15	29.98	30.08	13	FEW	NC	10.00		56	28	44	34	10	21	30.04	30.14				
16	OVC	001	0.50	FG	43	43	43	100	6	15	29.86	29.96	16	CLR	NC	10.00		58	30	46	35	6	23	29.96	30.06				
19	OVC	001	1.00	BR	42	42	42	100	5	16	29.78	29.88	19	BKN	075	10.00		46	32	40	58	5	16	29.95	30.05				
22	OVC	001	0.75	BR	47	47	47	100	10	21	29.70	29.80	22	OVC	085	10.00		48	34	42	58	5	20	29.92	30.02				
SUNRISE: 0654					FEB 15				SUNSET: 1739				SUNRISE: 0647					FEB 21				SUNSET: 1746							
01	OVC	001	2.00	-RA BR	49	49	49	100	8	20	29.63	29.73	01	BKN	090	10.00		44	34	40	68	6	22	29.89	29.99				
04	OVC	001	3.00	BR	50	50	50	100	9	22	29.63	29.72	04	CLR	NC	10.00		45	35	41	68	5	24	29.90	29.99				
07	BKN	041	8.00		49	48	48	97	9	36	29.74	29.84	07	CLR	NC	10.00		48	32	41	54	14	27	29.91	30.01				
10	OVC	070	10.00		43	38	41	82	14	36	29.86	29.96	10	CLR	NC	10.00		49	28	40	45	18	29	29.96	30.06				
13	OVC	047	10.00		45	35	41	68	8	36	29.90	29.99	13	CLR	NC	10.00		44	13	33	28	24	30	30.02	30.12				
16	OVC	045	10.00		45	29	38	54	8	35	29.92	30.02	16	CLR	NC	10.00		40	8	30	27	23	30	30.09	30.19				
19	OVC	045	10.00		42	27	36	55	8	36	30.01	30.11	19	CLR	NC	10.00		32	5	25	32	16	31	30.23	30.33				
22	OVC	044	10.00		41	28	36	60	6	01	30.05	30.14	22	CLR	NC	10.00		27	1	21	32	12	33	30.32	30.42				
SUNRISE: 0653					FEB 16				SUNSET: 1740				SUNRISE: 0645					FEB 22				SUNSET: 1747							
01	OVC	035	10.00		40	31	36	70	6	36	30.07	30.16	01	CLR	NC	10.00		21	3	17	45	8	01	30.35	30.45				
04	OVC	033	10.00		40	29	36	65	3	05	30.05	30.15	04	CLR	NC	10.00		20	6	17	55	9	02	30.37	30.47				
07	OVC	075	10.00	-RA	38	34	36	86	3	11	30.04	30.14	07	CLR	NC	10.00		19	6	16	57	8	04	30.34	30.44				
10	OVC	024	10.00		39	37	38	93	5	08	30.01	30.11	10	CLR	NC	10.00		22	4	18	46	13	06	30.36	30.46				
13	OVC	014	10.00		41	37	39	86	5	09	29.92	30.02	13	OVC	019	10.00		20	11	18	68	3	VR	30.30	30.40				
16	OVC	050	3.00	-RA BR	40	39	40	97	7	02	29.84	29.94	16	VV	004	0.75	-SN	20	19	20	96	14	01	30.13	30.23				
19	OVC	006	2.50	-RA BR	40	40	40	100	6	02	29.79	29.89	19	VV	004	0.75	-SN BR	21	20	21	96	10	02	30.07	30.17				
22	OVC	006	4.00	RA BR	39	39	39	100	6	33	29.78	29.88	22	OVC	016	3.00	-SN BR	22	20	21	92	7	35	30.02	30.12				
SUNRISE: 0652					FEB 17				SUNSET: 1741				SUNRISE: 0644					FEB 23				SUNSET: 1748							
01	OVC	060	7.00		39	38	39	96	5	25	29.75	29.85	01	OVC	033	10.00		23	19	22	85	12	33	29.98	30.08				
04	OVC	090	7.00		39	37	38	93	8	30	29.71	29.81	04	OVC	028	10.00		23	18	21	81	7	32	30.01	30.11				
07	BKN	033	10.00		38	32	36	79	18	30	29.77	29.87	07	OVC	050	10.00		22	18	21	85	8	28	30.06	30.16				
10	BKN	046	10.00		39	19	32	45	32	29	29.86	29.96	10	FEW	NC	10.00		27	19	24	72	7	26	30.11	30.22				
13	CLR	NC	10.00		36	9	28	32	29	29	29.92	30.02	13	OVC	050	10.00		36	24	32	62	10	22	30.10	30.20				
16	FEW	NC	10.00		35	9	27	34	23	30	29.99	30.09	16	SCT	NC	10.00		38	25	33	60	9	21	30.10	30.19				
19	CLR	NC	10.00		29	6	23	38	22	31	30.12	30.22	19	FEW	NC	10.00		38	23	32	55	14	29	30.18	30.28				
22	CLR	NC	10.00		26	5	21	40	14	32	30.23	30.33	22	CLR	NC	10.00		34	17	28	50	12	29	30.28	30.38				
SUNRISE: 0651					FEB 18				SUNSET: 1742				SUNRISE: 0642					FEB 24				SUNSET: 1749							
01	CLR	NC	10.00		22	6	18	50	10	30	30.28	30.38	01	CLR	NC	10.00		29	15	25	56	7	28	30.35	30.45				
04	CLR	NC	10.00		21	5	17	50	12	29	30.32	30.42	04	CLR	NC	10.00		27	14	23	58	8	32	30.42	30.53				
07	CLR	NC	10.00		18	6	15	60	6	32	30.36	30.46	07	CLR	NC	10.00		26	12	22	55	9	01	30.47	30.58				
10	CLR	NC	10.00		26	5	21	40	15	32	30.38	30.48	10	CLR	NC	10.00		30	12	25	47	9	02	30.55	30.66				
13	CLR	NC	10.00		31	7	24	36	10	30	30.33	30.42	13	CLR	NC	10.00		33	10	26	38	0	00	30.54	30.64				
16	CLR	NC	10.00		33	7	26	33	17	28	30.28	30.38	16	CLR	NC	10.00		34	11	27	38	6	15	30.51	30.61				
19	CLR	NC	10.00		29	9	23	43	5	21	30.30	30.40	19	BKN	110	10.00		33	15	27	48	5	14	30.49	30.59				
22	CLR	NC	10.00		28	11	23	49	5	24	30.33	30.43	22	CLR	NC	10.00		32	21	28	64	8	13	30.47	30.57				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

FEBRUARY 2001

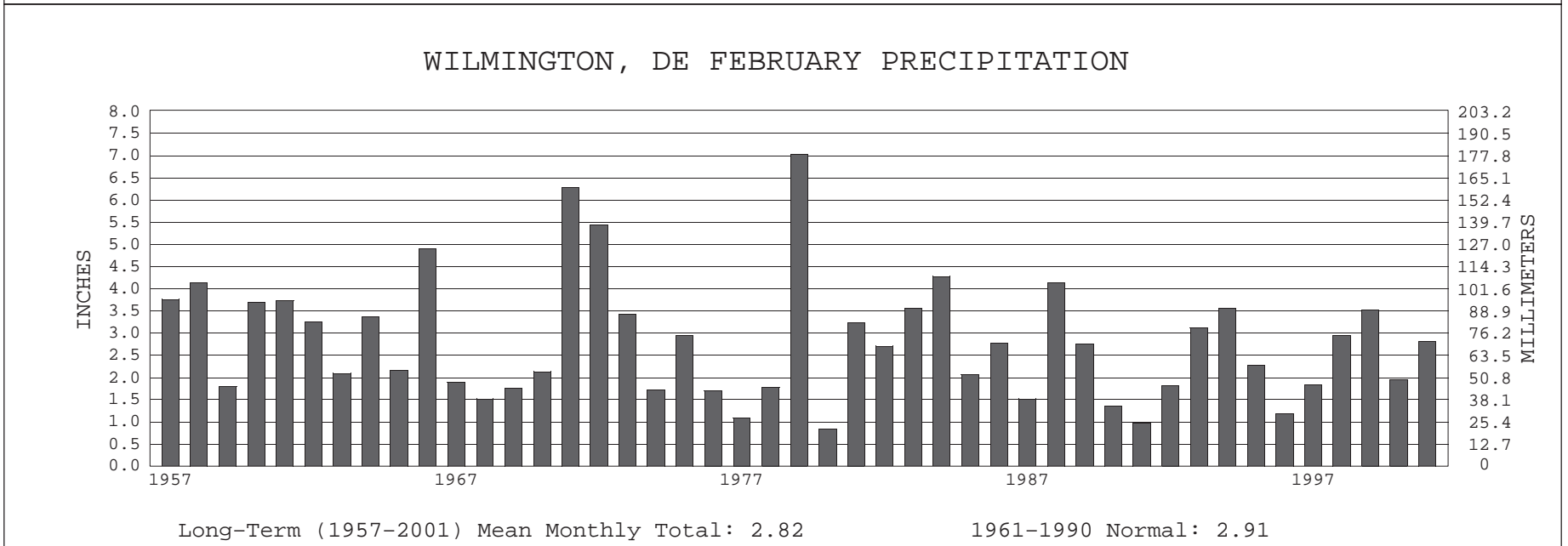
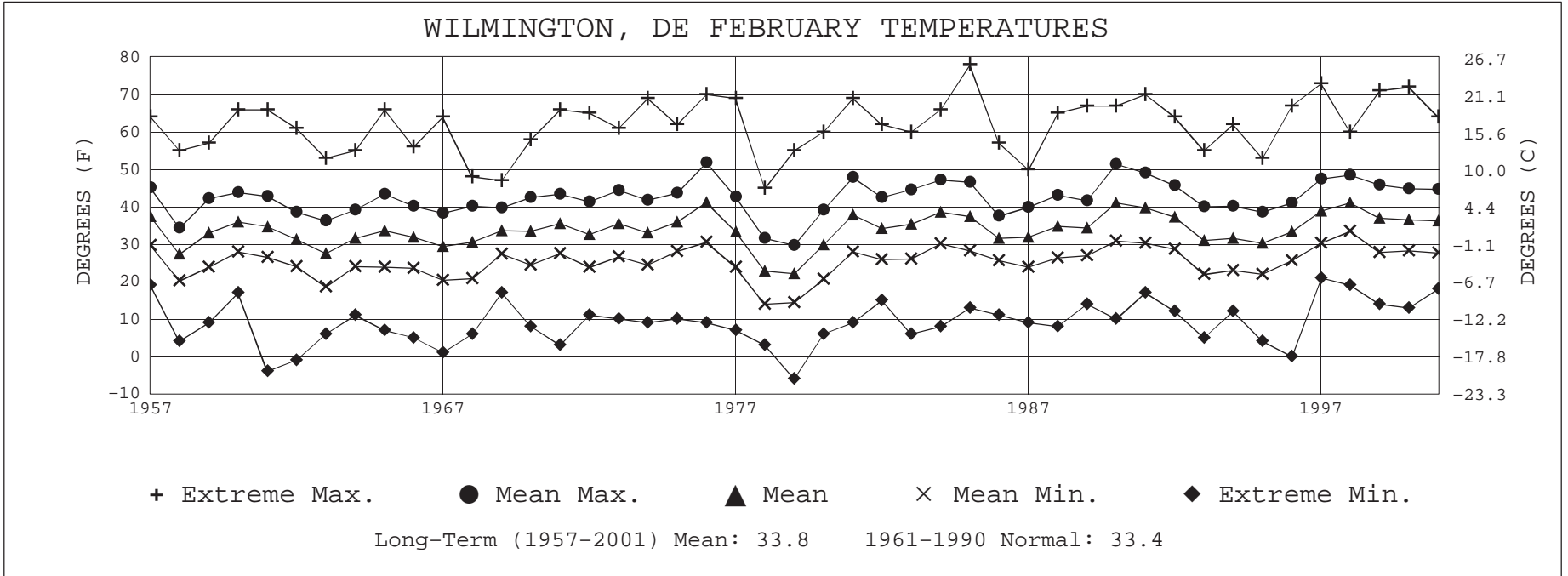
ILG

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)
SUNRISE: 0641				FEB 25				SUNSET: 1750				SUNRISE: FEB 31				SUNSET:										
01	OVC	060		10.00	32	25	29	75	8	12	30.37	30.47														
04	OVC	020		10.00	34	28	32	79	7	07	30.30	30.40														
07	OVC	036		10.00	34	30	32	85	9	06	30.21	30.32														
10	OVC	030		7.00	37	34	36	89	3	02	30.13	30.23														
13	OVC	010		2.00	40	40	40	100	7	15	29.97	30.07														
16	VV	001		<.25	41	41	41	100	8	16	29.80	29.90														
19	OVC	002		0.50	43	43	43	100	6	23	29.75	29.85														
22	OVC	006		7.00	52	52	52	100	13	22	29.74	29.83														
SUNRISE: 0640				FEB 26				SUNSET: 1751				3-HOURLY OBSERVATION NOTES														
01	OVC	004		4.00	50	50	50	100	9	24	29.77	29.87	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	CLR	NC		4.00	44	44	44	100	6	28	29.84	29.94	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.													
07	CLR	NC		10.00	40	31	36	70	20	30	29.97	30.07	NC = No ceiling detected.													
10	BKN	041		10.00	44	28	38	53	24	29	30.05	30.15	& = Original observation contained additional weather elements.													
13	FEW	NC		10.00	46	28	39	50	22	27	30.05	30.15	See page 3 for additional notes.													
16	CLR	NC		10.00	47	26	39	44	13	30	30.08	30.17														
19	CLR	NC		10.00	42	25	36	51	16	27	30.11	30.21														
22	CLR	NC		10.00	35	25	31	67	9	28	30.16	30.26														
SUNRISE: 0638				FEB 27				SUNSET: 1752																		
01	CLR	NC		10.00	34	24	30	67	7	29	30.18	30.28														
04	CLR	NC		10.00	31	23	28	72	7	30	30.17	30.27														
07	CLR	NC		10.00	31	23	28	72	3	26	30.18	30.28														
10	CLR	NC		10.00	41	25	35	53	8	27	30.19	30.29														
13	SCT	NC		10.00	50	26	40	39	9	27	30.09	30.19														
16	CLR	NC		10.00	53	27	42	37	14	28	29.99	30.09														
19	SCT	NC		10.00	42	32	38	68	7	15	29.97	30.07														
22	BKN	100		10.00	43	18	34	37	10	30	30.00	30.10														
SUNRISE: 0637				FEB 28				SUNSET: 1754																		
01	OVC	070		10.00	40	23	34	51	14	31	29.98	30.08														
04	OVC	042		10.00	37	21	31	52	6	35	30.00	30.09														
07	OVC	047		10.00	31	27	29	85	5	30	30.01	30.11														
10	BKN	043		10.00	33	18	28	54	8	35	30.02	30.12														
13	CLR	NC		10.00	37	12	29	36	17	31	29.96	30.06														
16	CLR	NC		10.00	39	12	30	33	16	30	29.89	29.99														
19	CLR	NC		10.00	35	10	27	35	5	29	29.88	29.98														
22	CLR	NC		10.00	31	14	26	49	6	26	29.88	29.98														
SUNRISE:				FEB 29				SUNSET:																		
SUNRISE:				FEB 30				SUNSET:																		

SUMMARY BY HOUR

HOUR (LST)	AVERAGES											RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	SPEED	DIRECTION	
							STATION	SEA LEVEL					
01			34	26	31	72	30.09	30.19	8.59	9	4	27	
02			34	25	31	73	30.09	30.19	8.49	8	4	30	
03			34	25	31	73	30.09	30.19	8.54	8	4	30	
04			33	26	31	75	30.10	30.20	8.75	7	3	30	
05			33	26	31	74	30.10	30.20	8.79	7	4	30	
06			33	25	30	75	30.11	30.21	8.39	8	4	31	
07			32	25	30	76	30.12	30.23	8.89	8	4	31	
08			33	25	30	73	30.14	30.24	8.54	8	4	31	
09			35	25	31	68	30.15	30.25	8.69	9	4	31	
10			36	24	32	62	30.15	30.25	9.00	12	6	30	
11			38	24	33	59	30.15	30.25	8.87	12	6	28	
12			40	24	34	56	30.13	30.23	9.03	11	6	28	
13			41	24	35	54	30.10	30.20	8.68	12	7	27	
14			41	25	35	56	30.08	30.18	8.47	13	5	27	
15			42	24	35	54	30.07	30.17	8.45	13	6	27	
16			41	25	35	55	30.06	30.16	8.38	12	6	27	
17			40	25	35	58	30.06	30.17	8.40	10	4	27	
18			38	25	34	62	30.08	30.18	8.43	10	4	28	
19			38	25	33	63	30.09	30.19	8.63	9	4	27	
20			37	25	33	65	30.09	30.19	8.44	9	4	28	
21			37	25	33	66	30.10	30.20	8.62	9	4	27	
22			36	25	32	67	30.10	30.20	8.53	8	4	28	
23			35	25	32	69	30.10	30.20	8.27	9	4	28	
24			34	25	31	71	30.10	30.20	8.42	9	4	28	





**FEBRUARY 2001
WILMINGTON, DE**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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