



DECEMBER 2000

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

DECEMBER 2000
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	45	30	38	-3	24	32	27	0				0.0	0.00	30.16	30.26	6.9	29	8.2	21	30	17	28	01																															
02	37	24	31	-9	14	25	34	0				0.0	0.00	30.36	30.46	9.5	35	9.9	20	01	17	36	02																															
03	35	19	27	-13	12	22	38	0				0.0	0.00	30.43	30.54	6.2	35	7.1	20	01	16	36	03																															
04	47	19	33	-7	12	26	32	0				0.0	0.00	30.26	30.36	3.6	31	4.1	14	32	10	32	04																															
05	48	24	36	-3	20	30	29	0				0.0	0.00	29.95	30.06	9.9	27	11.0	31	26	26	27	05																															
06	32	23	28	-11	11	23	37	0				0.0	0.00	30.03	30.14	6.5	26	8.3	25	30	22	30	06																															
07	37	28	33	-5	18	27	32	0	SN			T	T	29.84	29.94	7.3	27	7.7	30	27	24	28	07																															
08	41	31	36	-2	24	31	29	0				0.0	0.00	29.92	30.02	2.3	34	5.8	11	31	11	31	08																															
09	40	27	34	-4	18	29	31	0				0.0	0.00	30.28	30.38	4.0	33	7.8	18	30	16	29	09																															
10	41	25	33	-4			32	0	RA BR HZ			0.0	0.06	30.23	30.33	4.3	03	6.0	11	05	10	06	10																															
11	43	34	39	2	38	38	26	0	FG+ BR			0.0	0.00	30.00	30.10	2.0	15	7.0	22	16	18	16	11																															
12	51	27	39	2	27	36	26	0	RA FG+ BR			0.0	0.01	29.89	29.99	16.1	26	19.9	53*	28	43*	27	12																															
13	33	20	27	-9	13	24	38	0	RA FZRA			0.0	0.01	30.53	30.63	4.7	01	7.0	17	08	14	07	13																															
14	45	32	39	3	26	30	26	0	RA FZRA BR			0.0	0.73	30.11	30.21	4.0	29	8.4	23	32	18	31	14																															
15	39	29	34	-2	25	31	31	0				0.0	0.00	30.43	30.53	2.1	03	5.7	16	01	15	02	15																															
16	51	34	43	7	41	42	22	0	RA FG+ BR			0.0	0.23	30.12	30.22	7.3	06	8.1	18	04	15	04	16																															
17	62*	29	46*	11	42	46	19	0	TSRA RA FG+ BR			0.0	1.61	29.47	29.57	11.8	22	18.8	45	27	37	26	17																															
18	33	25	29	-6	14	24	36	0				0.0	0.00	29.97	30.07	10.1	28	10.9	29	25	23	24	18																															
19	40	24	32	-3	25	30	33	0	SN BR			0.3	0.02	29.76	29.86	4.3	36	6.9	20	31	16	30	19																															
20	31	19	25	-9	14	21	40	0	SN BR			0.7	0.07	29.93	30.03	14.9	28	15.3	43	28	33	28	20																															
21	31	16	24	-10	16	23	41	0				0.0	0.00	30.17	30.27	3.0	20	5.2	17	18	14	14	21																															
22	32	13	23	-11	18	24	42	0	SN BR			0.4	0.02	30.03	30.13	10.0	28	12.2	36	30	29	29	22																															
23	26	11*	19*	-15	6	16	46	0				0.0	0.00	30.38	30.48	9.8	29	10.1	24	27	21	27	23																															
24	34	18	26	-7	15	23	39	0				0.0	0.00	30.19	30.29	4.1	23	6.8	26	31	21	30	24																															
25	25	14	20	-13	3	16	45	0				0.0	0.00	30.38	30.49	15.1	29	15.5	34	30	29	30	25																															
26	27	12	20	-13	7	17	45	0				0.0	0.00	30.33	30.43	10.8	27	11.2	28	28	23	27	26																															
27	33	18	26	-7	15	22	39	0				0.0	0.00	30.02	30.12	10.3	27	10.9	25	30	22	29	27																															
28	27	20	24	-9	11	20	41	0	SN BR			T	T	29.88	29.98	15.4	30	16.0	36	30	30	30	28																															
29	30	13	22	-10	14	21	43	0				0.0	0.00	29.87	29.97	2.9	36	4.9	23	35	17	34	29																															
30	30	23	27	-5	21	25	38	0	RA SN BR			0.7	0.04	29.60	29.70	11.9	30	14.0	34	28	28	28	30																															
31	35	21	28	-4	16	24	37	0				0.0	0.00	29.76	29.86	16.5	26	16.9	43	27	33	27	31																															
											37.5		22.6	30.1	■ ■	34.6		0.0	< MONTHLY AVERAGES		TOTALS->		2.1	2.80	30.07	30.18	6.0	29	9.9	<- MONTHLY AVERAGES																								
											-6.4		-5.0	-5.7	■ ■	<-----DEPARTURE FROM NORMAL----->											- .68											SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 1.78 DATE :16-17											SEA LEVEL PRESSURE											DATE TIME																					
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: 0.7 DATE :30+											MAXIMUM : 30.72											13 0951																					
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOW DEPTH:											MINIMUM : 29.30											17 1351																					
HEATING: 1074 169 2068 279											NUMBER OF DAYS WITH →											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 29											PRECIPITATION ≥ 0.01 INCH : 10										
COOLING: 0 0 939 -107																						MAXIMUM TEMP ≤ 32 :10											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 3										
																						THUNDERSTORMS : 1											HEAVY FOG : 4											SNOWFALL ≥ 1.0 INCH : 0										

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

DECEMBER 2000

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												04		0.00		
05													05												05		0.00		
06													06												06		0.00		
07													07												07	T	0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.06		
11													11												11		0.00		
12													12												12		0.01		
13													13												13		0.01		
14													14												14		0.73		
15													15												15		0.00		
16													16												16		0.23		
17													17												17		1.61		
18													18												18		0.00		
19													19												19		0.02		
20													20												20	0.02	0.07		
21													21												21		0.00		
22													22												22		0.02		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		T		
29													29												29		0.00		
30													30												30		0.04		
31													31												31		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	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 DECEMBER 2000

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							10.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							9.00	10.00	
06							10.00	10.00	
07							4.00	10.00	
08							8.00	10.00	
09							9.00	10.00	
10							2.50	10.00	
11							.25	7.00	
12							.25	10.00	
13							8.00	10.00	
14							2.50	10.00	
15							7.00	10.00	
16							<.25	10.00	
17							<.25	10.00	
18							10.00	10.00	
19							.75	10.00	
20							.75	10.00	
21							7.00	10.00	
22							.75	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							1.75	10.00	
29							10.00	10.00	
30							.75	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.46	9.90	
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									
2 10 20									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2000

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: 0704				DEC 01				SUNSET: 1639				SUNRISE: 0710				DEC 07				SUNSET: 1638									
01	SCT	NC		10.00	36	20	30	52	9	31	30.10	30.20	01	BKN	080		10.00	28	18	25	66	5	20	29.83	29.93				
04	OVC	050		10.00	34	22	30	61	6	22	30.14	30.24	04	OVC	050		10.00	29	21	26	72	5	26	29.80	29.90				
07	CLR	NC		10.00	31	22	28	69	5	26	30.16	30.26	07	OVC	070		10.00	29	24	27	82	0	00	29.79	29.89				
10	CLR	NC		10.00	41	27	36	57	7	30	30.18	30.28	10	BKN	060		10.00	33	17	28	52	16	26	29.82	29.92				
13	BKN	043		10.00	42	27	36	55	13	28	30.13	30.23	13	OVC	050		10.00	35	13	28	40	23	28	29.80	29.90				
16	CLR	NC		10.00	40	25	34	55	12	30	30.14	30.24	16	CLR	NC		10.00	34	14	28	44	9	29	29.84	29.94				
19	BKN	100		10.00	36	27	33	70	5	31	30.18	30.28	19	CLR	NC		10.00	31	15	26	52	6	28	29.89	29.99				
22	OVC	095		10.00	35	21	30	57	12	36	30.22	30.32	22	OVC	050		10.00	31	17	26	56	0	00	29.92	30.02				
SUNRISE: 0705				DEC 02				SUNSET: 1639				SUNRISE: 0711				DEC 08				SUNSET: 1638									
01	BKN	090		10.00	33	19	28	56	10	34	30.24	30.34	01	OVC	075		10.00	32	19	28	59	0	00	29.93	30.03				
04	CLR	NC		10.00	28	17	25	63	5	33	30.28	30.38	04	OVC	080		10.00	32	19	28	59	7	10	29.88	29.98				
07	CLR	NC		10.00	26	15	23	63	3	30	30.34	30.44	07	CLR	NC		10.00	32	19	28	59	7	05	29.87	29.97				
10	CLR	NC		10.00	31	17	26	56	12	34	30.38	30.48	10	OVC	090		10.00	35	25	31	67	8	02	29.88	29.98				
13	CLR	NC		10.00	37	10	29	33	10	35	30.35	30.45	13	SCT	NC		10.00	40	26	35	58	0	00	29.83	29.93				
16	CLR	NC		10.00	35	13	28	40	13	35	30.37	30.47	16	FEW	NC		10.00	38	27	34	65	3	30	29.90	30.00				
19	CLR	NC		10.00	28	12	23	51	8	33	30.42	30.52	19	OVC	065		10.00	36	30	34	79	7	32	29.97	30.07				
22	CLR	NC		10.00	27	11	22	51	10	36	30.45	30.55	22	CLR	NC		9.00	34	28	32	79	5	27	30.04	30.14				
SUNRISE: 0706				DEC 03				SUNSET: 1638				SUNRISE: 0712				DEC 09				SUNSET: 1638									
01	CLR	NC		10.00	25	12	21	58	13	01	30.45	30.55	01	CLR	NC		9.00	32	27	30	82	6	25	30.10	30.20				
04	CLR	NC		10.00	21	12	19	68	8	01	30.47	30.57	04	CLR	NC		10.00	32	21	28	64	12	31	30.16	30.26				
07	CLR	NC		10.00	19	12	17	74	7	01	30.48	30.59	07	CLR	NC		10.00	29	18	25	64	10	29	30.25	30.35				
10	CLR	NC		10.00	28	12	23	51	9	02	30.51	30.61	10	CLR	NC		10.00	36	19	30	50	10	36	30.33	30.43				
13	CLR	NC		10.00	33	9	26	36	5	26	30.43	30.53	13	CLR	NC		10.00	40	14	31	35	8	32	30.30	30.40				
16	CLR	NC		10.00	34	9	27	35	9	33	30.40	30.50	16	CLR	NC		10.00	38	15	30	39	0	00	30.31	30.42				
19	CLR	NC		10.00	28	13	24	53	5	34	30.39	30.49	19	CLR	NC		10.00	33	17	28	52	3	05	30.34	30.44				
22	CLR	NC		10.00	24	13	21	62	7	32	30.37	30.47	22	CLR	NC		10.00	32	17	27	54	8	11	30.37	30.47				
SUNRISE: 0707				DEC 04				SUNSET: 1638				SUNRISE: 0713				DEC 10				SUNSET: 1638									
01	CLR	NC		10.00	24	14	21	65	0	00	30.37	30.47	01	CLR	NC		10.00	31	22	28	69	6	09	30.36	30.46				
04	CLR	NC		10.00	19	12	17	74	9	31	30.34	30.45	04	CLR	NC		10.00	27	22	25	81	0	00	30.34	30.44				
07	CLR	NC		10.00	25	8	20	48	5	32	30.35	30.45	07	OVC	033		10.00	32	27	30	82	8	06	30.30	30.40				
10	CLR	NC		10.00	35	11	28	37	8	33	30.33	30.43	10	CLR	NC		10.00	36	30	34	79	8	06	30.29	30.39				
13	CLR	NC		10.00	45	11	34	25	5	31	30.25	30.35	13	BKN	025		10.00	40	33	37	77	6	05	30.20	30.30				
16	CLR	NC		10.00	44	12	33	27	7	27	30.22	30.32	16	OVC	024		8.00	38	39	38	100	5	01	30.16	30.26				
19	CLR	NC		10.00	33	14	27	45	5	29	30.20	30.30	19	OVC	023		3.00	37	37	37	100	5	33	30.15	30.25				
22	CLR	NC		9.00	28	18	25	66	0	00	30.15	30.26	22	OVC	007		4.00	37	37	37	100	3	34	30.12	30.22				
SUNRISE: 0708				DEC 05				SUNSET: 1638				SUNRISE: 0713				DEC 11				SUNSET: 1638									
01	CLR	NC		10.00	30	16	26	56	0	00	30.08	30.18	01	OVC	005		4.00	36	36	36	100	6	32	30.10	30.20				
04	CLR	NC		10.00	26	21	24	81	0	00	30.02	30.12	04	VV	001		0.50	36	37	36	100	7	32	30.09	30.19				
07	CLR	NC		10.00	26	21	24	81	0	00	29.96	30.06	07	OVC	001		3.00	34	34	34	100	5	33	30.10	30.20				
10	CLR	NC		10.00	38	23	32	55	9	25	29.93	30.03	10	OVC	003		4.00	34	35	34	100	3	30	30.12	30.23				
13	CLR	NC		10.00	46	24	37	42	13	23	29.85	29.95	13	CLR	NC		7.00	43	39	41	86	5	03	30.04	30.14				
16	CLR	NC		10.00	44	23	36	43	28	27	29.86	29.96	16	OVC	006		3.00	39	39	39	100	9	15	29.98	30.09				
19	CLR	NC		10.00	40	21	33	47	15	28	29.92	30.02	19	OVC	002		3.00	38	38	38	100	8	15	29.91	30.01				
22	CLR	NC		10.00	33	12	27	42	21	29	30.01	30.11	22	OVC	002		1.50	39	39	39	100	10	14	29.81	29.91				
SUNRISE: 0709				DEC 06				SUNSET: 1638				SUNRISE: 0714				DEC 12				SUNSET: 1639									
01	CLR	NC		10.00	28	7	22	41	17	30	30.08	30.19	01	OVC	001		1.00	41	41	41	100	15	16	29.62	29.72				
04	CLR	NC		10.00	24	8	20	50	8	28	30.11	30.21	04	OVC	012		7.00	49	49	49	100	20	21	29.49	29.59				
07	CLR	NC		10.00	25	10	21	53	7	30	30.13	30.23	07	OVC	021		8.00	50	49	49	96	14	22	29.49	29.59				
10	CLR	NC		10.00	28	10	23	47	8	30	30.15	30.25	10	CLR	NC		10.00	41	21	34	45	28	26	29.77	29.87				
13	CLR	NC		10.00	32	11	26	41	10	28	30.03	30.14	13	FEW	NC		10.00	44	19	35	37	29	27	29.87	29.97				
16	CLR	NC		10.00	30	12	25	47	10	20	29.98	30.09	16	CLR	NC		10.00	39	18	32	43	18	28	30.06	30.16				
19	CLR	NC		10.00	28	14	24	56	7	22	29.96	30.06	19	CLR	NC		10.00	33	14	27	45	15	29	30.22	30.31				
22	OVC	080		10.00	28	14	24	56	5	22	29.89	29.99	22	CLR	NC		10.00	30	14	25	51	14	30	30.34	30.44				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2000

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: 0715 DEC 13					SUNSET: 1639					SUNRISE: 0719 DEC 19					SUNSET: 1641														
01	CLR	NC	10.00		26	14	22	60	10	32	30.42	30.52	01	CLR	NC	10.00		26	14	22	60	5	12	29.92	30.02				
04	CLR	NC	10.00		24	11	20	57	7	34	30.48	30.58	04	CLR	NC	10.00		27	17	24	66	5	09	29.89	29.99				
07	CLR	NC	10.00		20	9	17	62	8	36	30.56	30.66	07	CLR	NC	10.00		29	19	26	66	6	06	29.87	29.98				
10	CLR	NC	10.00		27	8	22	45	8	02	30.62	30.72	10	OVC	110	9.00		31	24	29	76	6	05	29.87	29.97				
13	CLR	NC	10.00		31	9	25	40	5	09	30.57	30.68	13	BKN	120	8.00		36	29	33	76	5	01	29.73	29.83				
16	CLR	NC	10.00		32	10	26	40	3	05	30.59	30.69	16	OVC	065	8.00		39	31	36	73	5	01	29.68	29.78				
19	CLR	NC	10.00		31	14	26	49	6	12	30.58	30.68	19	OVC	050	10.00		35	28	32	76	9	34	29.65	29.75				
22	OVC	037	9.00		32	26	30	79			30.45	30.55	22	OVC	040	6.00	-SN BR	32	30	31	92	12	32	29.58	29.68				
SUNRISE: 0716 DEC 14					SUNSET: 1639					SUNRISE: 0719 DEC 20					SUNSET: 1641														
01	OVC	027	6.00	-FZRA BR	33	33	33	100	13	08	30.25	30.35	01	OVC	010	1.75	-SN BR	31	30	31	96	15	32	29.58	29.68				
04	OVC	011	5.00	RA BR	34	34	34	100	10	03	30.08	30.19	04	OVC	100	2.50	-SN	23	17	21	78	25	29	29.66	29.76				
07	OVC	027	5.00	RA BR	35	35	35	100	9	33	30.05	30.15	07	OVC	100	10.00		21	13	19	71	21	28	29.78	29.88				
10	OVC	004	10.00						0	00	30.03	30.13	10	BKN	060	10.00		21	8	18	57	17	27	29.93	30.03				
13	BKN	010	10.00		41	38	40	89	10	22	30.01	30.11	13	CLR	NC	10.00		26	11	22	53	21	29	29.96	30.06				
16	CLR	NC	10.00		43	38	41	82	7	21	30.06	30.16	16	CLR	NC	10.00		28	12	23	51	17	27	30.03	30.14				
19	FEW	NC	10.00		38	34	36	86	12	29	30.18	30.28	19	CLR	NC	10.00		24	12	21	60	8	26	30.14	30.24				
22	CLR	NC	10.00		37	31	35	79	9	29	30.24	30.34	22	CLR	NC	10.00		22	11	19	63	5	25	30.20	30.30				
SUNRISE: 0716 DEC 15					SUNSET: 1639					SUNRISE: 0720 DEC 21					SUNSET: 1642														
01	CLR	NC	10.00		34	27	31	76	8	28	30.31	30.42	01	CLR	NC	10.00		20	10	17	65	5	28	30.21	30.31				
04	OVC	035	10.00		34	27	31	76	0	00	30.37	30.47	04	CLR	NC	10.00		18	9	16	68	3	28	30.22	30.32				
07	FEW	NC	10.00		30	25	28	82	6	25	30.44	30.54	07	CLR	NC	10.00		18	11	16	74	0	00	30.23	30.34				
10	CLR	NC	10.00		35	22	30	59	14	01	30.50	30.60	10	CLR	NC	10.00		25	14	22	63	3	08	30.24	30.34				
13	FEW	NC	10.00		37	21	31	52	5	05	30.44	30.55	13	CLR	NC	10.00		30	18	26	61	7	18	30.15	30.25				
16	CLR	NC	10.00		37	23	32	57	5	10	30.44	30.54	16	BKN	110	10.00		31	17	26	56	8	18	30.13	30.23				
19	CLR	NC	10.00		36	24	32	62	3	12	30.45	30.55	19	OVC	075	10.00		30	19	26	64	5	24	30.11	30.21				
22	SCT	NC	10.00		33	27	31	78	7	08	30.42	30.53	22	SCT	NC	10.00		31	21	28	67	0	00	30.09	30.19				
SUNRISE: 0717 DEC 16					SUNSET: 1640					SUNRISE: 0720 DEC 22					SUNSET: 1642														
01	OVC	031	10.00		35	28	32	76	9	08	30.40	30.50	01	OVC	036	10.00		31	23	28	72	0	00	30.04	30.14				
04	OVC	025	10.00		35	30	33	82	8	03	30.38	30.48	04	OVC	035	4.00	BR	30	30	30	100	8	16	29.98	30.08				
07	OVC	021	10.00		37	32	35	82	8	06	30.31	30.41	07	OVC	004	4.00	-SN	31	31	31	100	0	00	29.95	30.05				
10	OVC	010	10.00	-RA	39	38	39	96	12	04	30.24	30.34	10			1.50	-SN	31	31	31	100	5	25	29.95	30.05				
13	OVC	002	1.50	-RA BR	42	42	42	100	10	05	30.11	30.21	13	OVC	045	8.00	-SN	31	24	29	76	20	30	29.91	30.01				
16	OVC	002	1.25	-RA BR	46	46	46	100	8	05	30.02	30.11	16	CLR	NC	10.00		26	8	21	46	18	27	29.98	30.09				
19	OVC	002	0.75	-RA BR	50	50	50	100	7	06	29.91	30.01	19	CLR	NC	10.00		19	1	15	45	23	29	30.13	30.23				
22	VV	001	0.25	FG	50	50	50	100	5	14	29.84	29.94	22	CLR	NC	10.00		14	-1	11	51	16	31	30.22	30.32				
SUNRISE: 0718 DEC 17					SUNSET: 1640					SUNRISE: 0721 DEC 23					SUNSET: 1643														
01	VV	001	<.25	FG	51	51	51	100	10	14	29.72	29.82	01	CLR	NC	10.00		13	-2	10	51	10	28	30.31	30.41				
04	OVC	023	1.25	+TSRA BR	56	56	56	100	7	VR	29.61	29.70	04	CLR	NC	10.00		11	-1	9	58	10	27	30.35	30.45				
07	OVC	016	4.00	+RA BR	59	59	59	100	17	14	29.48	29.57	07	CLR	NC	10.00		11	0	9	61	13	29	30.39	30.49				
10	OVC	014	4.00	-RA BR	61	60	60	97	28	20	29.35	29.45	10	CLR	NC	10.00		18	6	15	60	16	30	30.44	30.54				
13	OVC	055	10.00		56	46	51	70	12	20	29.25	29.35	13	CLR	NC	10.00		24	9	20	52	13	33	30.36	30.46				
16	OVC	031	10.00		47	37	42	69	23	30	29.25	29.35	16	CLR	NC	10.00		25	9	21	50	9	28	30.39	30.49				
19	OVC	049	10.00		38	25	33	60	25	26	29.46	29.56	19	CLR	NC	10.00		19	9	16	65	7	29	30.41	30.51				
22	FEW	NC	10.00		32	17	27	54	24	26	29.65	29.75	22	FEW	NC	10.00		23	11	20	60	5	25	30.37	30.47				
SUNRISE: 0718 DEC 18					SUNSET: 1640					SUNRISE: 0721 DEC 24					SUNSET: 1643														
01	CLR	NC	10.00		28	13	23	53	15	24	29.77	29.87	01	OVC	120	10.00		22	11	19	63	5	29	30.35	30.45				
04	CLR	NC	10.00		26	11	22	53	16	25	29.89	29.99	04	CLR	NC	10.00		21	12	19	68	3	23	30.30	30.40				
07	CLR	NC	10.00		26	14	22	60	15	27	29.96	30.06	07	FEW	NC	10.00		18	12	16	77	3	19	30.26	30.37				
10	CLR	NC	10.00		28	14	24	56	18	29	30.03	30.14	10	SCT	NC	10.00		28	16	24	61	8	18	30.22	30.32				
13	CLR	NC	10.00		32	16	27	52	13	31	30.00	30.10	13	BKN	065	10.00		32	18	27	56	12	19	30.11	30.21				
16	CLR	NC	10.00		31	16	26	54	10	28	30.01	30.11	16	CLR	NC	10.00		34	20	29	56	8	20	30.07	30.17				
19	CLR	NC	10.00		27	15	23	61	5	31	30.02	30.12	19	CLR	NC	10.00		27	20	25	75	5	28	30.10	30.20				
22	CLR	NC	10.00		26	14	22	60	0	00	29.99	30.09	22	CLR	NC	10.00		27	16	24	63	14	29	30.15	30.25				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2000

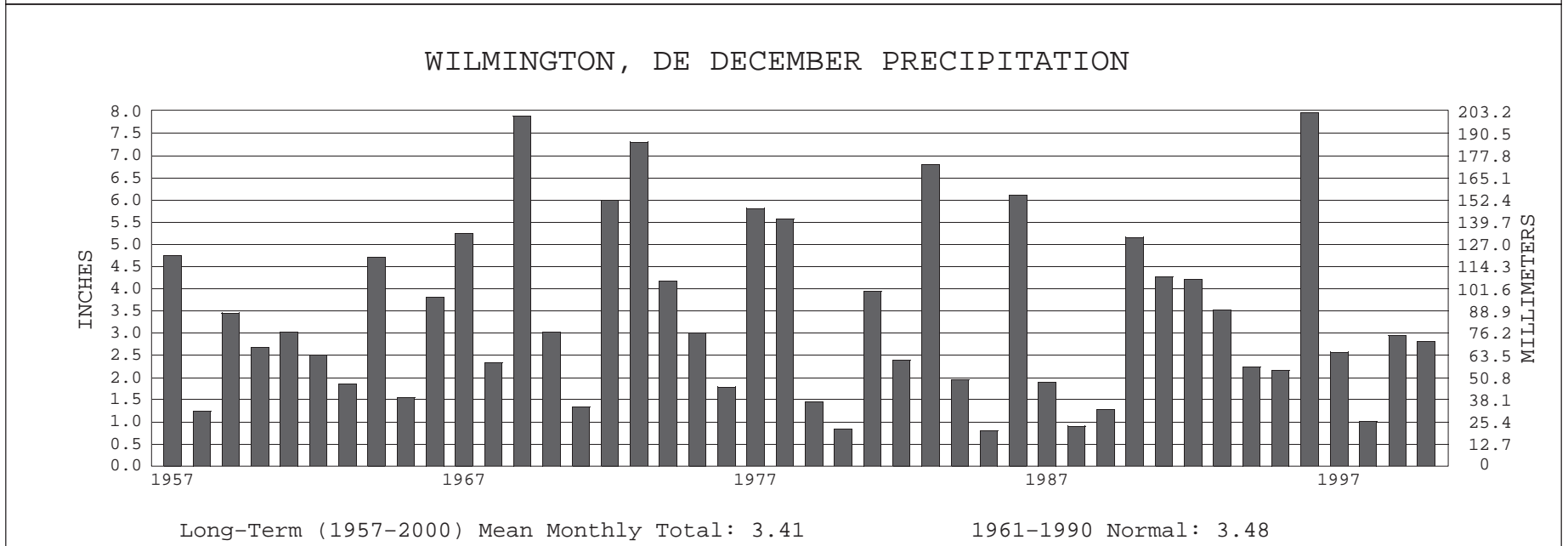
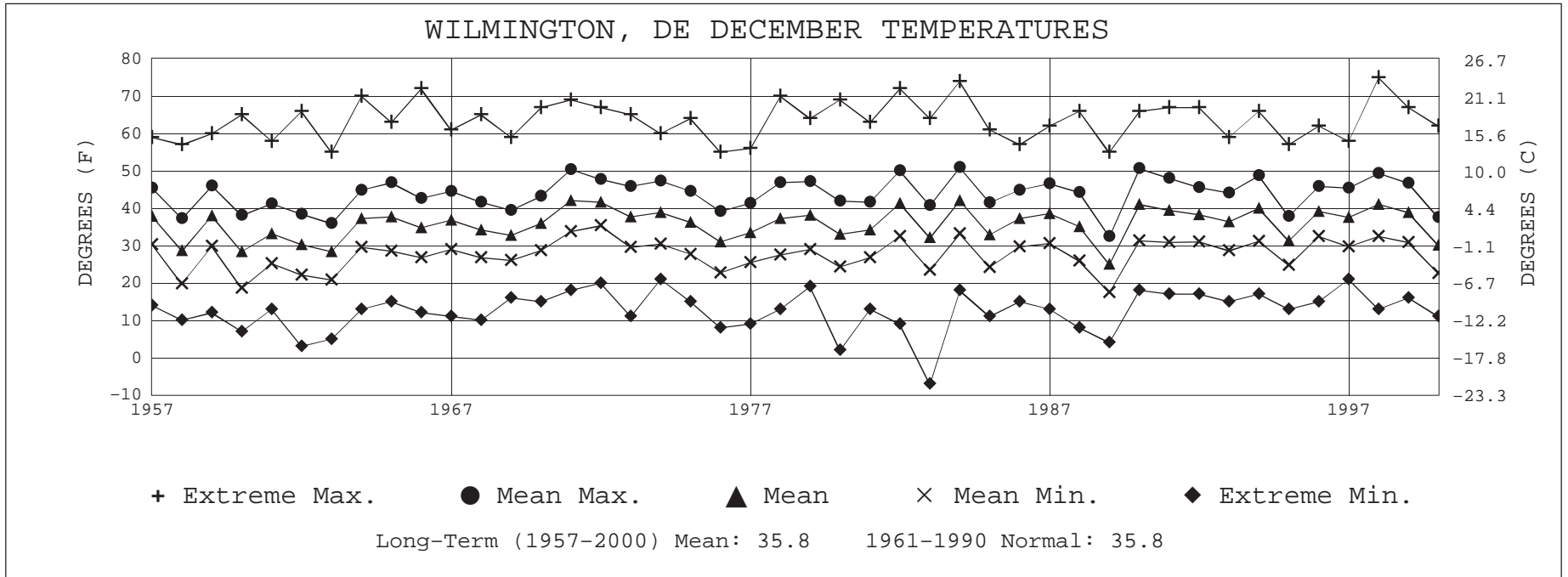
ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okltas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		OBSERVATION TIME (LST)	EFF CLD AMT Okltas	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: 0722										DEC 25				SUNSET: 1644				SUNRISE: 0723										DEC 31				SUNSET: 1648			
01	CLR	NC						10.00		24	8	20	50	16	29	30.20	30.30	01	OVC	100						10.00		24	14	21	65	20	26	29.59	29.69
04	CLR	NC						10.00		20	6	17	55	13	27	30.27	30.37	04	CLR	NC						10.00		22	12	19	66	13	24	29.64	29.74
07	CLR	NC						10.00		19	5	16	54	12	26	30.33	30.43	07	CLR	NC						10.00		21	13	19	71	12	25	29.68	29.78
10	CLR	NC						10.00		23	4	18	44	21	29	30.39	30.50	10	CLR	NC						10.00		28	18	25	66	18	25	29.72	29.83
13	CLR	NC						10.00		22	0	17	38	24	29	30.40	30.50	13	CLR	NC						10.00		34	19	29	54	28	27	29.72	29.82
16	CLR	NC						10.00		22	-1	17	36	25	30	30.44	30.54	16	CLR	NC						10.00		34	18	29	52	24	27	29.78	29.88
19	CLR	NC						10.00		18	0	14	45	8	29	30.48	30.58	19	CLR	NC						10.00		30	18	26	61	16	27	29.87	29.97
22	CLR	NC						10.00		16	1	13	51	10	30	30.47	30.57	22	CLR	NC						10.00		27	18	24	69	9	28	29.94	30.04
SUNRISE: 0722										DEC 26				SUNSET: 1645				3-HOURLY OBSERVATION NOTES																	
										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. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes.																									
01	CLR	NC						10.00		16	2	13	54	8	27	30.48	30.58																		
04	CLR	NC						10.00		14	3	12	61	7	25	30.45	30.55																		
07	CLR	NC						10.00		14	5	12	67	10	25	30.44	30.54																		
10	CLR	NC						10.00		22	10	19	60	13	25	30.41	30.51																		
13	CLR	NC						10.00		25	8	20	48	14	28	30.29	30.39																		
16	CLR	NC						10.00		26	9	21	48	16	28	30.25	30.35																		
19	CLR	NC						10.00		25	9	21	50	12	27	30.24	30.34																		
22	CLR	NC						10.00		24	9	20	52	12	27	30.20	30.30																		
SUNRISE: 0722										DEC 27				SUNSET: 1645																					
01	CLR	NC						10.00		20	8	17	60	9	26	30.15	30.25																		
04	OVC	095						10.00		20	9	17	62	6	24	30.14	30.24																		
07	FEW	NC						10.00		19	9	16	65	5	21	30.09	30.19																		
10	CLR	NC						10.00		25	14	22	63	13	26	30.08	30.19																		
13	CLR	NC						10.00		31	18	27	59	10	26	29.97	30.07																		
16	CLR	NC						10.00		30	18	26	61	17	29	29.95	30.05																		
19	CLR	NC						10.00		28	19	25	69	8	27	29.94	30.04																		
22	OVC	120						10.00		28	21	26	75	14	29	29.89	29.99																		
SUNRISE: 0722										DEC 28				SUNSET: 1646																					
01	OVC	085						10.00		27	17	24	66	14	30	29.85	29.95																		
04	OVC	090						10.00		26	17	23	69	10	27	29.84	29.93																		
07	BKN	050						10.00		23	17	21	78	14	29	29.85	29.95																		
10	CLR	NC						10.00		23	6	19	48	23	30	29.91	30.01																		
13	CLR	NC						9.00		25	5	20	42	24	30	29.87	29.97																		
16	CLR	NC						10.00		25	8	20	48	21	29	29.87	29.97																		
19	CLR	NC						10.00		21	10	18	62	10	29	29.91	30.01																		
22	CLR	NC						10.00		22	11	19	63	9	33	29.92	30.01																		
SUNRISE: 0723										DEC 29				SUNSET: 1647																					
01	CLR	NC						10.00		20	10	17	65	15	35	29.89	29.99																		
04	CLR	NC						10.00		17	9	15	70	6	36	29.89	29.99																		
07	CLR	NC						10.00		15	10	14	80	5	25	29.91	30.01																		
10	CLR	NC						10.00		22	12	19	66	8	35	29.94	30.04																		
13	CLR	NC						10.00		28	15	24	58	3	04	29.87	29.97																		
16	CLR	NC						10.00		28	17	25	63	5	14	29.86	29.96																		
19	CLR	NC						10.00		27	18	24	69	0	00	29.84	29.94																		
22	CLR	NC						10.00		25	20	23	81	3	02	29.84	29.94																		
SUNRISE: 0723										DEC 30				SUNSET: 1648																					
01	CLR	NC						10.00		27	18	24	69	7	05	29.76	29.86																		
04	OVC	070						10.00		26	19	24	75	6	36	29.71	29.81																		
07	VV	005						0.75	-SN BR	23	23	23	100	10	35	29.65	29.75																		
10	OVC	017						10.00		26	24	25	92	13	32	29.59	29.69																		
13	OVC	034						5.00	-SN BR	27	25	26	92	18	29	29.50	29.60																		
16	OVC	022						7.00		29	23	27	78	18	29	29.52	29.62																		
19	OVC	110						10.00		28	20	25	72	17	28	29.55	29.65																		
22	OVC	100						10.00		26	17	23	69	17	27	29.58	29.68																		

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			29	19	26	68	30.08	30.18	8.77	9	4	30
02			28	19	25	69	30.08	30.18	8.58	9	4	29
03			28	19	25	71	30.08	30.18	8.74	8	4	28
04			27	19	25	72	30.07	30.17	8.72	8	4	28
05			27	19	25	74	30.07	30.17	8.92	9	4	29
06			27	19	25	75	30.07	30.17	8.65	9	5	28
07			27	19	25	75	30.08	30.18	8.86	8	4	29
08			27	19	25	75	30.09	30.19	9.08	8	4	29
09			29	20	26	69	30.09	30.20	9.41	11	6	29
10			31	19	27	64	30.10	30.20	9.31	12	7	29
11			33	19	28	59	30.09	30.19	8.99	13	8	29
12			34	20	29	58	30.06	30.16	9.16	12	8	29
13			35	20	30	56	30.04	30.14	9.31	12	8	29
14			35	20	30	57	30.04	30.14	9.18	12	8	28
15			36	20	31	56	30.04	30.14	9.06	12	9	28
16			34	20	30	57	30.05	30.15	9.27	12	9	28
17			33	19	28	59	30.06	30.16	9.35	10	6	28
18			31	19	28	61	30.07	30.17	9.19	9	6	28
19			30	19	27	63	30.08	30.18	9.25	9	7	28
20			30	18	26	63	30.09	30.19	9.25	9	6	29
21			30	19	26	66	30.09	30.18	9.10	10	6	29
22			29	19	26	67	30.09	30.19	8.99	9	6	29
23			29	19	26	67	30.09	30.19	8.99	9	6	30
24			28	19	26	69	30.08	30.18	8.83	9	5	30





DECEMBER 2000
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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DIRECTOR

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