



DECEMBER 2004

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AIRPORT (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	58	38	48	7	38	44	17	0	RA BR	0		0.0	0.84	29.74	29.82	11.4	24	17.5	53*	29	41*	26	01	
02	48	32	40	0	26	35	25	0		0		0.0	0.00	29.98	30.06	3.7	25	5.6	17	25	15	25	02	
03	49	29	39	-1	25	33	26	0		0		0.0	0.00	29.84	29.93	8.6	28	9.2	35	27	28	29	03	
04	45	23	34	-6	26	32	31	0		0		0.0	0.00	29.98	30.06	4.8	21	5.6	18	19	16	20	04	
05	55	32	44	5	32	38	21	0		0		0.0	0.00	30.07	30.16	5.1	27	6.9	21	28	17	27	05	
06	48	38	43	4	37	41	22	0	RA BR	0		0.0	0.01	30.12	30.21	10.8	06	10.8	20	06	16	06	06	
07	57	40	49	10	45	46	16	0	RA FG+ BR	0		0.0	0.46	29.82	29.90	6.7	07	10.0	21	04	16	14	07	
08	60*	40	50	11	41	47	15	0	TSRA RA VCTS	0		0.0	0.06	29.92	30.01	10.2	28	11.5	32	24	23	27	08	
09	50	34	42	4	39	42	23	0	RA	0		0.0	0.45	30.00	30.08	5.9	07	6.8	21	09	16	09	09	
10	52	49	51*	13	50	50	14	0	RA FG BR	0		0.0	0.24	29.51	29.59	7.7	05	9.1	20	07	16	05	10	
11	50	39	45	7	42	44	20	0	RA BR	0		0.0	0.05	29.39	29.47	7.9	24	8.3	26	27	21	26	11	
12	45	37	41	4	31	37	24	0		0		0.0	0.00	29.61	29.69	8.1	24	10.3	24	27	20	27	12	
13	49	34	42	5	27	36	23	0	RA	0		0.0	0.02	29.61	29.70	13.5	27	15.1	44	28	33	28	13	
14	40	28	34	-3	20	29	31	0		0		0.0	0.00	30.03	30.12	11.2	30	12.7	28	30	23	31	14	
15	36	19	28	-8	14	24	37	0		0		0.0	0.00	30.34	30.43	8.3	31	9.1	26	31	21	30	15	
16	43	20	32	-4	20	28	33	0		0		0.0	0.00	30.29	30.38	6.6	22	7.2	20	23	16	22	16	
17	47	26	37	1	22	32	28	0		0		0.0	0.00	30.14	30.23	6.3	28	7.8	25	30	22	30	17	
18	47	22	35	-1	25	31	30	0		0		0.0	0.00	30.03	30.12	2.3	05	3.9	15	06	13	06	18	
19	38	21	30	-5	30	31	35	0	RA SN FG+ BR UP	0		0.3	0.11	29.68	29.77	4.0	32	5.9	35	31	29	32	19	
20	21	8*	15*	-20	-3	11	50	0		T		0.0	0.00	29.91	30.00	17.7	31	18.2	40	32	33	30	20	
21	39	16	28	-7	13	24	37	0		0		0.0	0.00	30.06	30.15	5.7	19	6.0	20	18	17	17	21	
22	52	24	38	3	29	35	27	0		0		0.0	0.00	30.15	30.24	5.5	15	6.2	15	16	13	16	22	
23	55	34	45	11	43	46	20	0	RA BR	0		0.0	0.60	29.84	29.93	5.3	20	16.6	44	31	35	31	23	
24	35	22	29	-5	17	26	36	0		0		0.0	0.00	30.09	30.18	10.5	30	10.6	26	29	21	31	24	
25	32	19	26	-8	9	20	39	0		0		0.0	0.00	30.20	30.29	6.2	34	6.8	16	33	14	33	25	
26	32	18	25	-9	17	24	40	0	SN BR	0		T	T	30.07	30.16	9.6	34	10.4	24	32	20	31	26	
27	29	19	24	-10	6	20	41	0	SN	0		T	T	30.33	30.41	17.5	31	17.6	36	31	31	30	27	
28	32	13	23	-10	9	21	42	0		0		0.0	0.00	30.44	30.53	5.0	20	6.7	16	19	14	19	28	
29	51	31	41	8	25	34	24	0		0		0.0	0.00	30.16	30.24	4.8	23	5.9	17	25	14	24	29	
30	47	33	40	7	32	37	25	0		0		0.0	0.00	30.37	30.46	3.2	12	4.6	13	15	12	15	30	
31	56	36	46	13	38	41	19	0		0		0.0	0.00	30.29	30.37	5.1	16	5.6	13	19	10	19	31	
45.1 28.2 36.7 ■■											< MONTHLY AVERAGES TOTALS->		0.3 2.84	30.00 30.09	3.6 28 9.3	<- MONTHLY AVERAGES								
0.7 -.2 0.3 ■■											<-----DEPARTURE FROM NORMAL----->		-.56	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 0.84 DATE :01					SEA LEVEL PRESSURE DATE TIME										
MONTHLY									GREATEST 24-HR SNOWFALL: 0.3 DATE :19					MAXIMUM										
TOTAL DEPARTURE									GREATEST SNOW DEPTH: T DATE :20					MINIMUM										
HEATING: 871 -1 1734 -51									NUMBER OF DAYS WITH ➡					MAXIMUM TEMP ≥ 90: 0										
COOLING: 0 0 1049 -76														MAXIMUM TEMP ≤ 32 : 5										
														MINIMUM TEMP ≤ 0 : 0										
														PRECIPITATION ≥ 0.01 INCH : 10										
														PRECIPITATION ≥ 0.10 INCH : 6										
														SNOWFALL ≥ 1.0 INCH : 0										

DECEMBER 2004
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

DECEMBER 2004

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		T	0.11	0.06	0.12	0.11	0.09	0.15	0.13	T	0.06	0.01	01												01			0.84	
02													02													02			0.00
03													03													03			0.00
04													04													04			0.00
05													05													05			0.00
06													06	0.01												06			0.01
07					T	0.01	0.01	0.04	0.09	0.14	T	T	07	0.06	0.01			0.01							0.06	07			0.46
08	0.05	0.01											08													08			0.06
09													09				0.06	0.08	0.07	0.03	0.07	0.07	0.04	0.02		09			0.45
10	T	0.01	0.01	T	0.01	T	0.01			0.03	0.01	0.05	10	0.01	0.03	0.01	0.01	0.04							T	10			0.24
11													11													11			0.05
12										T	0.01	0.01	12	0.01	0.02		T									12			0.00
13						T	T	0.01					13		0.01											13			0.02
14													14													14			0.00
15													15													15			0.00
16													16													16			0.00
17													17													17			0.00
18													18													18			0.00
19													19			0.02	0.03	0.04	T	0.01	0.01	T	T			19			0.11
20													20													20			0.00
21													21													21			0.00
22													22													22			0.00
23									0.01	T			23	0.05	0.09	0.07	0.28	0.09	T	0.01	T					23			0.60
24													24													24			0.00
25													25													25			0.00
26													26								T	T			0.01	26	0.01	T	
27	T												27													27		T	
28													28													28			0.00
29													29													29			0.00
30													30													30			0.00
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)	.15	.17	.20	.20	.24	.29	.32	.35	.36	.37	.42	.47
Ending Date	23	23	23	23	23	23	23	23	23	23	23	23
Ending Time (Hour/Min)	1549	1550	1558	1558	1550	1558	1610	1624	1624	1624	1624	1558

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
DECEMBER 2004**

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).

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							2.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							3.00	10.00	
07							.25	9.00	
08							.25	10.00	
09							7.00	10.00	
10							.50	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							.13	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							1.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							2.50	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							10.00	10.00	
30							9.00	10.00	
31							9.00	10.00	
MONTHLY AVGS							7.57	9.97	
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 3 8 23									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2004

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 Okta		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 Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0705						DEC 01	SUNSET: 1639						SUNRISE: 0710						DEC 07	SUNSET: 1638									
01	BKN	050			10.00									01	OVC	003													
04	OVC	026			6.00	RA	BR							04	OVC	003													
07	OVC	026			9.00	RA								07	OVC	003													
10	OVC	020			9.00	-RA								10	OVC	005													
13	CLR	NC			10.00									13	OVC	003													
16	BKN	055			10.00									16	VV	001													
19	CLR	NC			10.00									19	VV	001													
22	CLR	NC			10.00									22	VV	001													
SUNRISE: 0705						DEC 02	SUNSET: 1639						SUNRISE: 0711						DEC 08	SUNSET: 1638									
01	CLR	NC			10.00									01	OVC	050													
04	CLR	NC			10.00									04	CLR	NC													
07	CLR	NC			10.00									07	CLR	NC													
10	CLR	NC			10.00									10	CLR	NC													
13	CLR	NC			10.00									13	FEW	NC													
16	CLR	NC			10.00									16	CLR	NC													
19	CLR	NC			10.00									19	CLR	NC													
22	CLR	NC			10.00									22	CLR	NC													
SUNRISE: 0706						DEC 03	SUNSET: 1638						SUNRISE: 0712						DEC 09	SUNSET: 1638									
01	CLR	NC			10.00									01	CLR	NC													
04	CLR	NC			10.00									04	CLR	NC													
07	CLR	NC			10.00									07	CLR	NC													
10	CLR	NC			10.00									10	CLR	NC													
13	FEW	NC			10.00									13	CLR	NC													
16	CLR	NC			10.00									16	OVC	045													
19	CLR	NC			10.00									19	OVC	006													
22	CLR	NC			10.00									22	OVC	004													
SUNRISE: 0707						DEC 04	SUNSET: 1638						SUNRISE: 0713						DEC 10	SUNSET: 1638									
01	CLR	NC			10.00									01	OVC	008													
04	CLR	NC			10.00									04	OVC	004													
07	CLR	NC			10.00									07	OVC	002													
10	CLR	NC			10.00									10	OVC	002													
13	CLR	NC			10.00									13	OVC	004													
16	CLR	NC			10.00									16	OVC	002													
19	CLR	NC			10.00									19	OVC	002													
22	CLR	NC			10.00									22	VV	001													
SUNRISE: 0708						DEC 05	SUNSET: 1638						SUNRISE: 0713						DEC 11	SUNSET: 1638									
01	CLR	NC			10.00									01	OVC	007													
04	CLR	NC			10.00									04	OVC	013													
07	CLR	NC			10.00									07	OVC	017													
10	CLR	NC			10.00									10	OVC	060													
13	CLR	NC			10.00									13	OVC	013													
16	CLR	NC			10.00									16	CLR	NC													
19	CLR	NC			10.00									19	BKN	085													
22	CLR	NC			10.00									22	CLR	NC													
SUNRISE: 0709						DEC 06	SUNSET: 1638						SUNRISE: 0714						DEC 12	SUNSET: 1639									
01	CLR	NC			10.00									01	OVC	080													
04	CLR	NC			10.00									04	CLR	NC													
07	CLR	NC			10.00									07	OVC	045													
10	OVC	070			10.00									10	OVC	045													
13	OVC	055			10.00									13	OVC	045													
16	OVC	050			10.00									16	OVC	043													
19	OVC	040			10.00									19	OVC	100													
22	OVC	005			5.00	BR								22	OVC	080													

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

DECEMBER 2004

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 Okta		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 Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0715	DEC 13			SUNSET: 1639										SUNRISE: 0719	DEC 19			SUNSET: 1641						
01	OVC	070			10.00		44	36	40	73	10	19	29.52	29.61	01	CLR	NC			10.00	30	28	29	92	5	31	29.79	29.88	
04	BKN	080			10.00		44	33	39	65	9	20	29.49	29.58	04	CLR	NC			9.00	28	27	28	96	3	01	29.74	29.83	
07					10.00	-RA	42	36	39	79	16	29	29.53	29.61	07	OVC	004			10.00	32	30	31	92	0	00	29.72	29.81	
10	CLR	NC			10.00		46	31	40	56	22	27	29.55	29.63	10	OVC	001			1.25	BR	35	35	35	100	7	20	29.70	29.79
13	FEW	NC			10.00		47	20	37	34	20	29	29.56	29.65	13	OVC	070			2.50		37	35	36	93	0	00	29.62	29.71
16	BKN	120			10.00		43	20	34	40	25	29	29.63	29.72	16	OVC	014			2.50	RA BR	38	36	37	93	0	00	29.61	29.70
19	FEW	NC			10.00		39	24	33	55	17	28	29.73	29.82	19	OVC	029			6.00	-RA BR	36	36	36	100	6	29	29.58	29.67
22	CLR	NC			10.00		36	20	30	52	12	26	29.78	29.87	22	OVC	031			10.00	26	19	24	75	23	31	29.67	29.76	
					SUNRISE: 0716	DEC 14				SUNSET: 1639									SUNRISE: 0719	DEC 20			SUNSET: 1641						
01	CLR	NC			10.00		34	22	30	61	13	24	29.82	29.90	01	OVC	070			10.00	19	7	16	59	22	31	29.72	29.81	
04	CLR	NC			10.00		32	22	28	66	7	23	29.87	29.96	04	OVC	080			10.00	12	-1	9	56	23	31	29.75	29.84	
07	CLR	NC			10.00		32	23	29	69	10	27	29.92	30.01	07	OVC	080			10.00	10	-2	8	58	18	32	29.82	29.91	
10	CLR	NC			10.00		38	23	32	55	18	31	30.00	30.09	10	CLR	NC			10.00	10	-5	7	50	24	31	29.89	29.98	
13	OVC	042			10.00		39	21	33	48	17	29	30.02	30.11	13	CLR	NC			10.00	15	-7	11	36	28	30	29.86	29.95	
16	CLR	NC			10.00		34	19	29	54	13	30	30.07	30.16	16	CLR	NC			10.00	18	-7	13	32	14	31	29.94	30.03	
19	CLR	NC			10.00		31	19	27	61	9	32	30.15	30.24	19	CLR	NC			10.00	16	-7	12	35	15	30	30.07	30.16	
22	CLR	NC			10.00		30	13	25	49	13	33	30.20	30.29	22	CLR	NC			10.00	15	-3	11	44	3	24	30.11	30.21	
					SUNRISE: 0716	DEC 15				SUNSET: 1639									SUNRISE: 0720	DEC 21			SUNSET: 1642						
01	FEW	NC			10.00		25	12	21	58	6	35	30.24	30.33	01	FEW	NC			10.00	16	1	13	51	3	24	30.11	30.20	
04	CLR	NC			10.00		25	12	21	58	14	32	30.28	30.37	04	CLR	NC			10.00	18	6	15	60	5	18	30.08	30.16	
07	CLR	NC			10.00		22	8	18	55	8	30	30.34	30.43	07	CLR	NC			10.00	22	9	18	57	10	17	30.05	30.14	
10	CLR	NC			10.00		29	11	24	47	9	30	30.39	30.48	10	CLR	NC			10.00	30	13	25	49	12	17	30.03	30.12	
13	CLR	NC			10.00		35	17	29	48	16	32	30.32	30.42	13	CLR	NC			10.00	36	16	29	44	8	22	29.99	30.08	
16	FEW	NC			10.00		34	18	29	52	10	32	30.33	30.42	16	CLR	NC			10.00	37	18	30	46	9	20	30.00	30.09	
19	CLR	NC			10.00		31	18	27	59	3	VR	30.38	30.47	19	BKN	050			10.00	32	19	28	59	0	00	30.07	30.16	
22	CLR	NC			10.00		28	18	25	66	6	26	30.38	30.47	22	CLR	NC			10.00	29	20	26	69	0	00	30.12	30.21	
					SUNRISE: 0717	DEC 16				SUNSET: 1640									SUNRISE: 0720	DEC 22			SUNSET: 1642						
01	CLR	NC			10.00		25	17	23	72	6	27	30.38	30.47	01	CLR	NC			10.00	27	21	25	78	0	00	30.12	30.21	
04	CLR	NC			10.00		23	16	21	74	0	00	30.38	30.47	04	CLR	NC			10.00	27	22	25	81	3	35	30.14	30.23	
07	CLR	NC			10.00		23	16	21	74	5	21	30.39	30.47	07	CLR	NC			10.00	25	22	24	88	0	00	30.17	30.26	
10	CLR	NC			10.00		32	24	29	73	8	24	30.39	30.48	10	CLR	NC			10.00	39	31	36	73	8	15	30.20	30.29	
13	CLR	NC			10.00		42	18	34	38	12	20	30.30	30.39	13	CLR	NC			10.00	49	31	41	50	12	15	30.13	30.22	
16	CLR	NC			10.00		42	19	34	40	10	21	30.23	30.32	16	CLR	NC			10.00	52	34	44	50	7	16	30.11	30.20	
19	CLR	NC			10.00		36	20	30	52	7	18	30.19	30.28	19	CLR	NC			10.00	41	35	38	79	5	15	30.16	30.25	
22	CLR	NC			10.00		37	24	32	60	8	20	30.13	30.22	22	OVC	080			10.00	42	33	38	71	12	14	30.14	30.22	
					SUNRISE: 0718	DEC 17				SUNSET: 1640									SUNRISE: 0721	DEC 23			SUNSET: 1643						
01	CLR	NC			10.00		35	25	31	67	0	00	30.08	30.17	01	OVC	070			10.00	43	39	41	86	9	14	30.09	30.18	
04	CLR	NC			10.00		34	24	30	67	7	22	30.05	30.14	04	OVC	080			10.00	47	44	46	90	8	16	29.99	30.08	
07	CLR	NC			10.00		35	19	30	52	6	24	30.10	30.19	07	OVC	060			10.00	48	46	47	93	15	15	29.92	30.01	
10	CLR	NC			10.00		43	23	35	45	10	26	30.16	30.24	10	OVC	015			10.00	54	53	53	97	24	14	29.80	29.89	
13	CLR	NC			10.00		47	21	37	36	15	29	30.13	30.22	13	OVC	023			5.00	-RA BR	54	54	54	100	20	15	29.64	29.72
16	CLR	NC			10.00		43	23	35	45	12	30	30.14	30.23	16	OVC	018			1.50	RA BR	53	51	52	93	23	28	29.65	29.74
19	CLR	NC			10.00		35	19	30	52	7	33	30.18	30.27	19	OVC	023			10.00	48	41	45	77	25	30	29.76	29.85	
22	CLR	NC			10.00		32	20	28	61	3	34	30.22	30.31	22	CLR	NC			10.00	37	25	33	62	18	29	29.94	30.03	
					SUNRISE: 0718	DEC 18				SUNSET: 1640									SUNRISE: 0721	DEC 24			SUNSET: 1643						
01	CLR	NC			10.00		27	20	25	75	0	00	30.19	30.28	01	CLR	NC			10.00	34	22	30	61	16	31	29.97	30.06	
04	CLR	NC			10.00		25	20	23	81	0	00	30.18	30.27	04	CLR	NC			10.00	31	19	27	61	12	29	30.06	30.15	
07	CLR	NC			10.00		23	18	21	81	3	33	30.16	30.25	07	CLR	NC			10.00	30	17	26	59	13	31	30.08	30.18	
10	CLR	NC			10.00		35	26	32	70	7	07	30.12	30.21	10	CLR	NC			10.00	31	16	26	54	14	31	30.13	30.22	
13	CLR	NC			10.00		45	29																					

OBSERVATIONS AT 3-HOURLY INTERVALS

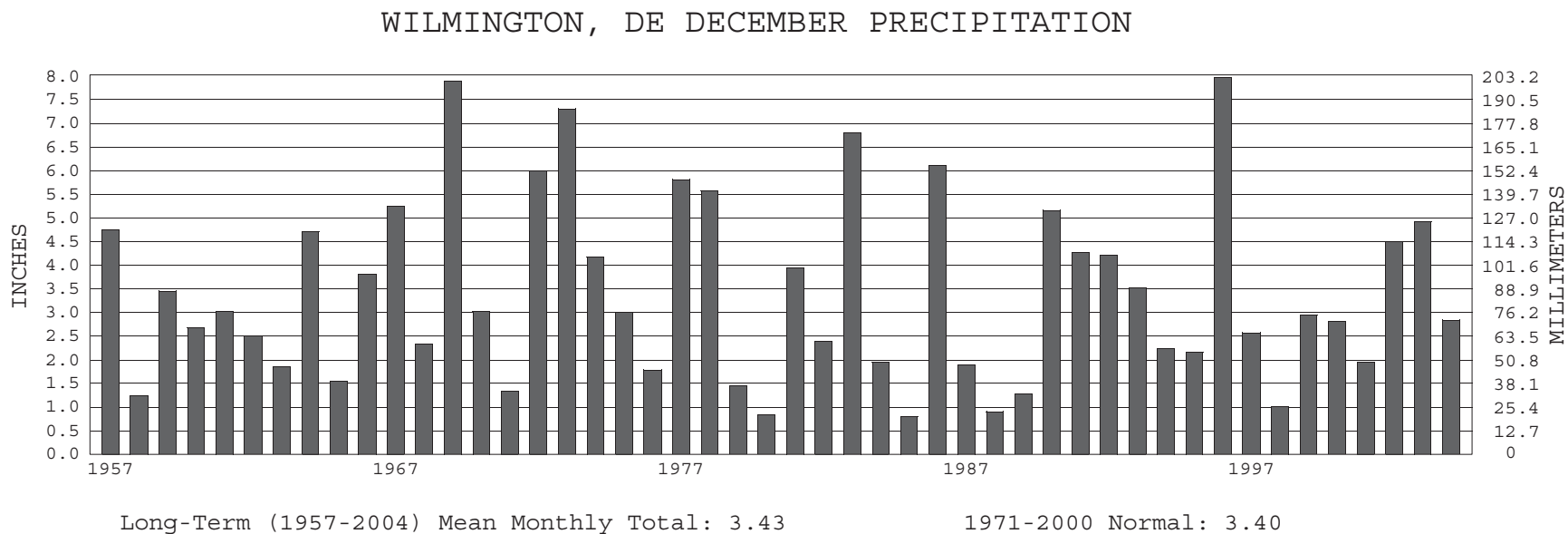
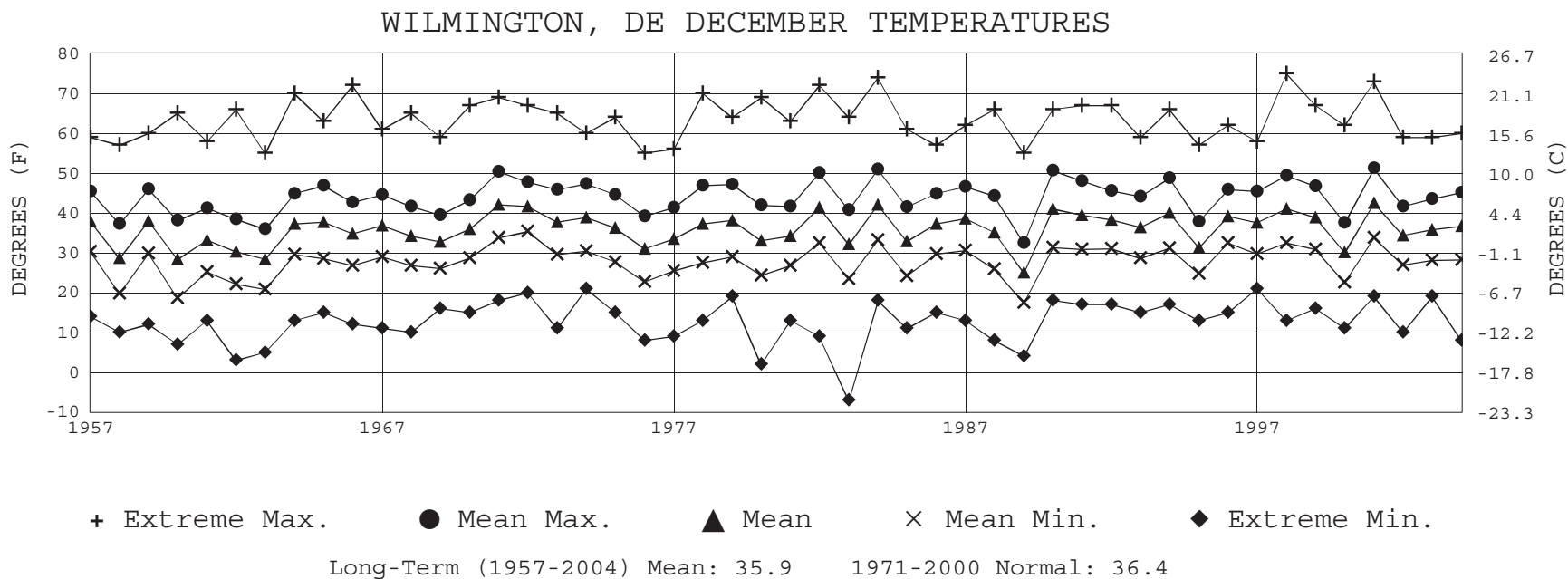
WILMINGTON, DE

DECEMBER 2004

ILG

WBAN # 13781

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION					SEA LEVEL	OBSERVATION TIME (LST)		EFF CLD AMT Okta	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	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	13	21	62	3	33	30.13	30.22	01	OVC	070			10.00		39	33	37	79	3	10	30.41	30.50		
04	CLR	NC			10.00		20	12	18	71	7	32	30.15	30.24	04	OVC	070			10.00		38	33	36	83	0	00	30.40	30.48		
07	CLR	NC			10.00		22	11	19	63	9	33	30.20	30.29	07	OVC	048			10.00		39	36	38	89	7	12	30.36	30.45		
10	CLR	NC			10.00		26	7	21	44	12	34	30.23	30.32	10	BKN	050			10.00		42	39	41	89	9	17	30.35	30.43		
13	CLR	NC			10.00		30	4	23	33	7	03	30.20	30.29	13	CLR	NC			10.00		47	40	44	77	7	15	30.25	30.34		
16	CLR	NC			10.00		31	7	24	36	5	35	30.19	30.28	16	CLR	NC			10.00		51	40	46	66	12	15	30.18	30.27		
19	CLR	NC			10.00		26	8	21	46	6	36	30.22	30.31	19	BKN	100			10.00		46	39	43	77	8	16	30.19	30.27		
22	CLR	NC			10.00		19	11	17	71	6	33	30.24	30.33	22	CLR	NC			10.00		47	41	44	80	6	21	30.18	30.27		
SUNRISE: 0722							DEC 26	SUNSET: 1645							3-HOURLY OBSERVATION NOTES																
01	CLR	NC			10.00		21	10	18	62	6	35	30.22	30.31	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																
04	CLR	NC			10.00		21	13	19	71	8	35	30.18	30.27	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.																
07	CLR	NC			10.00		23	14	20	68	10	01	30.15	30.24	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
10	CLR	NC			10.00		27	14	23	58	9	36	30.14	30.23	NC= No ceiling detected.																
13	CLR	NC			10.00		31	19	27	61	13	36	30.01	30.10	& = Original observation contained additional weather elements.																
16	OVC	027			10.00		32	19	28	59	10	35	29.97	30.06	See page 3 for additional notes.																
19	OVC	026			10.00		31	19	27	61	13	32	29.99	30.08																	
22	OVC	027			10.00		31	20	27	64	9	32	29.98	30.07																	
SUNRISE: 0722							DEC 27	SUNSET: 1645							SUMMARY BY HOUR																
01	OVC	045			10.00		29	20	26	69	13	31	30.01	30.10																	
04	BKN	038			10.00		26	14	22	60	21	31	30.10	30.19																	
07	CLR	NC			10.00		22	7	18	52	29	31	30.23	30.32																	
10	CLR	NC			10.00		24	7	20	48	25	31	30.33	30.42																	
13	CLR	NC			10.00		28	4	22	35	25	31	30.34	30.43																	
16	CLR	NC			10.00		26	1	20	34	18	32	30.40	30.49																	
19	CLR	NC			10.00		23	2	18	40	13	32	30.48	30.58																	
22	CLR	NC			10.00		21	0	16	39	9	33	30.53	30.62																	
SUNRISE: 0722							DEC 28	SUNSET: 1646																							
01	CLR	NC			10.00		19	-1	15	41	6	34	30.53	30.62																	
04	CLR	NC			10.00		16	2	13	54	5	25	30.54	30.63																	
07	CLR	NC			10.00		14	5	12	67	5	26	30.55	30.65																	
10	CLR	NC			10.00		24	7	20	48	3	29	30.56	30.65																	
13	FEW	NC			10.00		29	9	23	43	9	15	30.45	30.54																	
16	CLR	NC			10.00		31	8	24	38	12	19	30.36	30.45																	
19	CLR	NC			10.00		31	12	25	45	13	18	30.32	30.41																	
22	CLR	NC			10.00		30	21	27	69	8	17	30.26	30.35																	
SUNRISE: 0723							DEC 29	SUNSET: 1647																							
01	CLR	NC			10.00		32	20	28	61	8	20	30.19	30.29																	
04	CLR	NC			10.00		32	20	28	61	3	21	30.13	30.22																	
07	CLR	NC			10.00		34	20	29	56	6	21	30.12	30.22																	
10	OVC	085			10.00		38	21	32	51	8	24	30.16	30.25																	
13	CLR	NC			10.00		50	28	41	43	12	26	30.10	30.19																	
16	OVC	049			10.00		50	31	42	48	5	23	30.10	30.19																	
19	OVC	050			10.00		44	28	38	53	5	23	30.17	30.26																	
22	OVC	050			10.00		42	26	36	53	5	31	30.21	30.30																	
SUNRISE: 0723							DEC 30	SUNSET: 1648																							
01	OVC	055			10.00		42	32	38	68	5	35	30.26	30.35																	
04	OVC	048			10.00		39	32	36	76	5	31	30.27	30.36																	
07	CLR	NC			10.00		35	30	33	82	0	00	30.33	30.42																	
10	OVC	041			10.00		42	33	38	71	5	09	30.39	30.48																	
13	OVC	042			10.00		46	32	40	58	6	09	30.37	30.46																	
16	OVC	036			10.00		45	33	40	63	6	16	30.39	30.48																	
19	OVC	065			10.00		41	33	38	74	9	15	30.43	30.52																	
22	OVC	075			10.00		40	32	37	73	7	11	30.44	30.53																	





DECEMBER 2004

WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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