



NOVEMBER 2001

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AP (ILG)
 Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 92 Feet
 Time Zone: EASTERN WBAN: 13781 ISSN #: 0198-117X

NOVEMBER 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	71	41	56	5	49	53	9	0	FG+ BR HZ			0.0	0.00	30.24	30.32	4.7	19	5.3	23	19	18	23	01																										
02	78*	48	63	12	58	62	2	0	BR			0.0	0.00	30.14	30.23	10.3	20	11.1	29	22	23	02																											
03	72	49	61	11	49	55	4	0	RA BR			0.0	0.04	30.10	30.18	4.8	28	6.6	23	30	18	30	03																										
04	64	38	51	1	40	47	14	0	RA			0.0	T	30.05	30.13	4.7	25	6.4	17	25	14	32	04																										
05	54	39	47	-3	29	39	18	0				0.0	0.00	29.99	30.08	12.8	31	13.2	36	30	30	30	05																										
06	57	37	47	-2	28	39	18	0				0.0	0.00	30.02	30.10	12.2	30	13.2	29	31	24	30	06																										
07	68	41	55	6	37	46	10	0				0.0	0.00	30.01	30.10	9.7	29	10.5	29	29	23	30	07																										
08	61	36	49	0	45	48	16	0	BR			0.0	0.00	30.04	30.12	3.5	18	6.6	20	16	15	08																											
09	59	36	48	-1	31	42	17	0	RA			0.0	T	30.10	30.19	12.0	30	12.8	38	29	32*	29	09																										
10	65	33	49	1	29	41	16	0				0.0	0.00	29.91	30.00	7.3	23	7.6	24	22	20	22	10																										
11	53	31	42	-6	29	39	23	0				0.0	0.00	30.07	30.16	10.5	32	11.0	32	31	25	31	11																										
12	52	25*	39	-9	26	34	26	0				0.0	0.00	30.38	30.47	5.0	28	5.8	18	30	16	30	12																										
13	56	26	41	-6	32	38	24	0				0.0	0.00	30.44	30.52	2.3	23	4.2	14	23	13	23	13																										
14	61	31	46	-1	38	43	19	0	BR			0.0	0.00	30.24	30.33	5.0	23	5.1	18	23	15	23	14																										
15	71	38	55	8	44	49	10	0				0.0	0.00	30.09	30.17	4.2	22	4.6	15	21	13	22	15																										
16	73	43	58	12	47	52	7	0	BR HZ			0.0	0.00	30.04	30.13	4.1	28	6.7	18	26	15	26	16																										
17	57	38	48	2	40	45	17	0				0.0	0.00	30.31	30.40	7.0	03	8.1	23	04	21	05	17																										
18	58	31	45	-1	42	43	20	0				0.0	0.00	30.30	30.38	2.3	24	4.1	15	24	12	25	18																										
19	66	37	52	7	47	50	13	0	FG+ BR			0.0	0.00	29.99	30.08	6.6	19	6.9	23	20	17	19	19																										
20	60	34	47	2	36	42	18	0	RA			0.0	0.10	29.88	29.97	11.4	29	12.9	39*	27	30	29	20																										
21	49	28	39*	-6	26	34	26	0				0.0	0.00	30.03	30.12	3.8	24	5.4	14	24	13	23	21																										
22	59	28	44	0	33	39	21	0				0.0	0.00	30.05	30.13	1.7	16	3.1	12	16	10	15	22																										
23	61	32	47	3	42	45	18	0	BR			0.0	0.00	30.14	30.23	3.2	11	5.8	15	16	14	16	23																										
24	65	44	55	12	54	55	10	0	RA FG+ BR			0.0	0.03	30.19	30.27	6.5	13	9.5	22	18	18	17	24																										
25	67	56	62	19	58	59	3	0	TSRA RA BR VCTS			0.0	0.81	30.07	30.16	10.6	15	10.8	25	28	22	29	25																										
26	63	45	54	11	50	52	11	0	FG+ BR HZ			0.0	0.00	30.06	30.14	5.6	31	5.8	17	30	15	30	26																										
27	58	41	50	8	48	50	15	0	BR			0.0	0.00	30.05	30.14	2.6	12	5.7	15	15	12	16	27																										
28	65	54	60	18	54	56	5	0	RA FG+ BR HZ			0.0	T	30.12	30.21	1.7	09	4.6	13	12	10	12	28																										
29	61	55	58	17	56	57	7	0	FG+ BR			0.0	0.00	30.12	30.21	5.4	10	6.8	18	08	16	08	29																										
30	70	57	64*	23	60	62	1	0	RA BR			0.0	0.01	29.93	30.01	9.6	16	10.2	25	18	18	19	30																										
										62.5		39.1		50.8		■ ■		41.9		47.2		13.9		0.0		< MONTHLY AVERAGES		TOTALS-->		0.0		0.99		30.10		30.19		2.6		25		7.7		<-- MONTHLY AVERAGES					
										7.0		2.1		4.5		■ ■		<-----DEPARTURE FROM NORMAL----->										-2.28		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																			
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.82 DATE: 24-25										SEA LEVEL PRESSURE DATE TIME																													
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: 0.0 DATE:										MAXIMUM : 30.59 13 0951																													
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:										MINIMUM : 29.80 20 0251																													
HEATING: 418 -143										NUMBER OF DAYS WITH →										MAXIMUM TEMP ≥ 90: 0										MINIMUM TEMP ≤ 32: 8										PRECIPITATION ≥ 0.01 INCH: 5									
COOLING: 0 0																				MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0										PRECIPITATION ≥ 0.10 INCH: 2									
																				THUNDERSTORMS: 1										HEAVY FOG: 6										SNOWFALL ≥ 1.0 INCH: 0									

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

NOVEMBER 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		0.04		
04													04		T										04		T		
05													05												05		0.00		
06													06												06		0.00		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		T		
10													10												10		0.00		
11													11												11		0.00		
12													12												12		0.00		
13													13												13		0.00		
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												19		0.00		
20													20												20		0.10		
21													21												21		0.00		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.03		
25													25												25		0.81		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		T		
29													29												29		0.00		
30													30												30		0.01		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.19	.23	.26	.28	.31	.38	.41	.46	.53	.58	.66	.71
Ending Date	25	25	25	25	25	25	25	25	25	25	25	25
Ending Time (Hour/Min)	1727	1728	1733	1738	1728	1738	1752	1811	1831	1858	1926	1946

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 NOVEMBER 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							< .25	10.00	
02							5.00	10.00	
03							6.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							5.00	10.00	
09							8.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							9.00	10.00	
14							4.00	10.00	
15							8.00	10.00	
16							4.00	10.00	
17							10.00	10.00	
18							9.00	10.00	
19							.25	10.00	
20							9.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							2.00	10.00	
24							.25	10.00	
25							1.50	10.00	
26							.25	10.00	
27							4.00	10.00	
28							.25	9.00	
29							.25	10.00	
30							1.25	10.00	
MONTHLY AVGS							6.08	9.93	
SUNSHINE (MINUTES)									
Total: Possible:									
Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING									
30									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0									
6 8 15									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

NOVEMBER 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: 0631					NOV 01					SUNSET: 1701					SUNRISE: 0638					NOV 07					SUNSET: 1654				
01	CLR	NC	10.00		46	45	46	96	0	00	30.28	30.37	01	CLR	NC	10.00		49	30	41	48	15	28	29.99	30.08				
04	CLR	NC	7.00		45	44	45	97	0	00	30.26	30.35	04	CLR	NC	10.00		42	30	37	62	8	29	29.98	30.07				
07	OVC	004	7.00		44	42	43	93	0	00	30.29	30.38	07	CLR	NC	10.00		41	31	37	67	7	21	29.99	30.08				
10	CLR	NC	6.00	HZ	58	52	55	81	8	23	30.29	30.38	10	OVC	050	10.00		60	33	48	36	16	29	30.00	30.09				
13	CLR	NC	10.00		70	50	59	49	15	21	30.22	30.31	13	CLR	NC	10.00		66	41	53	40	21	30	29.98	30.06				
16	CLR	NC	10.00		70	51	59	51	13	20	30.18	30.27	16	CLR	NC	10.00		66	43	54	43	16	30	29.98	30.06				
19	CLR	NC	10.00		60	53	56	78	6	16	30.19	30.28	19	CLR	NC	10.00		57	43	50	60	9	27	30.03	30.12				
22	CLR	NC	7.00		57	53	55	87	5	16	30.19	30.28	22	CLR	NC	10.00		51	41	46	69	5	33	30.08	30.17				
SUNRISE: 0632					NOV 02					SUNSET: 1659					SUNRISE: 0639					NOV 08					SUNSET: 1653				
01	CLR	NC	6.00	BR	53	53	53	100	3	22	30.18	30.27	01	CLR	NC	10.00		43	40	42	89	5	31	30.11	30.20				
04	FEW	NC	5.00	BR	56	55	55	97	5	18	30.19	30.28	04	CLR	NC	8.00		40	39	40	97	3	27	30.11	30.20				
07	CLR	NC	7.00		60	59	59	96	9	19	30.20	30.28	07	FEW	NC	5.00	BR	40	39	40	97	0	00	30.15	30.24				
10	SCT	NC	10.00		70	61	65	73	10	22	30.19	30.28	10	CLR	NC	10.00		54	42	48	64	6	13	30.13	30.22				
13	CLR	NC	10.00		76	59	66	56	16	24	30.12	30.20	13	CLR	NC	10.00		60	43	51	53	10	15	30.04	30.13				
16	CLR	NC	10.00		75	58	65	55	14	21	30.08	30.16	16	CLR	NC	10.00		58	47	52	67	13	17	29.97	30.06				
19	CLR	NC	10.00		69	60	64	73	13	18	30.09	30.18	19	CLR	NC	7.00		54	54	54	100	8	16	29.94	30.03				
22	CLR	NC	10.00		69	58	62	68	13	19	30.09	30.18	22	CLR	NC	8.00		50	48	49	93	3	30	29.90	29.98				
SUNRISE: 0633					NOV 03					SUNSET: 1658					SUNRISE: 0640					NOV 09					SUNSET: 1652				
01	CLR	NC	10.00		67	59	62	76	9	19	30.06	30.15	01	FEW	NC	8.00		55	51	53	87	10	24	29.87	29.96				
04	BKN	100	10.00		64	59	61	84	3	18	30.05	30.14	04	CLR	NC	10.00		54	37	46	53	24	30	29.97	30.06				
07	BKN	070	10.00		61	58	59	90	3	18	30.09	30.17	07	CLR	NC	10.00		48	31	41	52	17	29	30.08	30.17				
10	BKN	065	6.00	-RA BR	63	61	62	93	7	29	30.13	30.22	10	CLR	NC	10.00		52	30	43	43	18	32	30.16	30.24				
13	CLR	NC	10.00		69	50	58	51	14	27	30.07	30.16	13	CLR	NC	10.00		54	28	43	37	20	30	30.15	30.23				
16	CLR	NC	10.00		68	35	52	30	10	30	30.07	30.15	16	CLR	NC	10.00		54	27	43	35	9	29	30.14	30.23				
19	CLR	NC	10.00		57	36	47	45	0	00	30.10	30.19	19	CLR	NC	10.00		50	25	40	38	0	00	30.17	30.26				
22	CLR	NC	10.00		50	38	44	63	9	29	30.13	30.22	22	CLR	NC	10.00		44	27	37	51	0	00	30.16	30.25				
SUNRISE: 0635					NOV 04					SUNSET: 1657					SUNRISE: 0641					NOV 10					SUNSET: 1651				
01	CLR	NC	10.00		50	37	44	61	3	30	30.15	30.24	01	CLR	NC	10.00		38	28	34	68	3	25	30.13	30.22				
04	CLR	NC	10.00		43	37	40	80	6	31	30.14	30.23	04	CLR	NC	10.00		34	30	32	85	0	00	30.10	30.19				
07	CLR	NC	10.00		42	38	40	85	0	00	30.16	30.25	07	CLR	NC	10.00		33	30	32	89	0	00	30.06	30.15				
10	CLR	NC	10.00		56	39	48	53	5	VR	30.14	30.22	10	CLR	NC	10.00		52	38	45	59	12	22	30.00	30.09				
13	CLR	NC	10.00		62	39	51	43	9	26	30.04	30.13	13	CLR	NC	10.00		63	28	47	27	12	21	29.86	29.95				
16	CLR	NC	10.00		62	40	51	44	12	22	29.97	30.05	16	CLR	NC	10.00		62	28	47	28	14	21	29.76	29.84				
19	SCT	NC	10.00		55	40	48	57	8	20	29.93	30.01	19	CLR	NC	10.00		55	26	43	33	7	20	29.73	29.82				
22	FEW	NC	10.00		53	41	47	64	7	26	29.89	29.98	22	CLR	NC	10.00		53	24	41	32	6	23	29.75	29.83				
SUNRISE: 0636					NOV 05					SUNSET: 1656					SUNRISE: 0642					NOV 11					SUNSET: 1650				
01	CLR	NC	10.00		49	42	46	77	7	31	29.93	30.01	01	CLR	NC	10.00		47	25	38	42	8	32	29.79	29.88				
04	CLR	NC	10.00		46	32	40	58	6	25	29.95	30.04	04	OVC	070	10.00		52	36	45	55	9	29	29.85	29.94				
07	CLR	NC	10.00		42	31	38	65	12	29	30.00	30.09	07	SCT	NC	10.00		50	37	44	61	16	32	29.95	30.04				
10	CLR	NC	10.00		50	28	41	43	15	32	30.01	30.10	10	CLR	NC	10.00		50	30	41	46	20	35	30.08	30.17				
13	SCT	NC	10.00		52	27	42	38	20	33	29.96	30.05	13	CLR	NC	10.00		51	27	41	39	17	31	30.09	30.18				
16	CLR	NC	10.00		50	25	40	38	14	33	29.98	30.07	16	CLR	NC	10.00		50	23	39	35	12	34	30.13	30.22				
19	CLR	NC	10.00		44	26	37	49	14	33	30.03	30.11	19	CLR	NC	10.00		42	24	35	49	5	32	30.21	30.30				
22	CLR	NC	10.00		41	26	35	55	12	30	30.03	30.11	22	CLR	NC	10.00		35	30	33	82	0	00	30.27	30.36				
SUNRISE: 0637					NOV 06					SUNSET: 1655					SUNRISE: 0644					NOV 12					SUNSET: 1649				
01	CLR	NC	10.00		39	27	34	62	9	29	30.03	30.11	01	CLR	NC	10.00		33	24	30	70	0	00	30.30	30.39				
04	CLR	NC	10.00		39	28	35	65	12	28	30.03	30.12	04	CLR	NC	10.00		29	22	27	75	6	25	30.33	30.42				
07	CLR	NC	10.00		38	28	34	68	12	29	30.05	30.13	07	CLR	NC	10.00		30	22	27	72	7	26	30.37	30.46				
10	CLR	NC	10.00		50	30	41	46	18	33	30.03	30.12	10	CLR	NC	10.00		43	27	37	53	9	28	30.42	30.51				
13	CLR	NC	10.00		56	28	44	34	20	33	30.00	30.09	13	CLR	NC	10.00		51	26	41	38	8	29	30.37	30.46				
16	CLR	NC	10.00		55	26	43	33	21	31	29.98	30.07	16	CLR	NC	10.00		51	27	41	39	12	29	30.36	30.45				
19	CLR	NC	10.00		46	26	38	46	9	28	30.00	30.09	19	CLR	NC	10.00		46	27	38	47	5	30	30.41	30.50				
22	CLR	NC	10.00		45	25	37	46	8	27	30.00	30.09	22	CLR	NC	10.00		35	27	32	72	3	29	30.44	30.53				

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

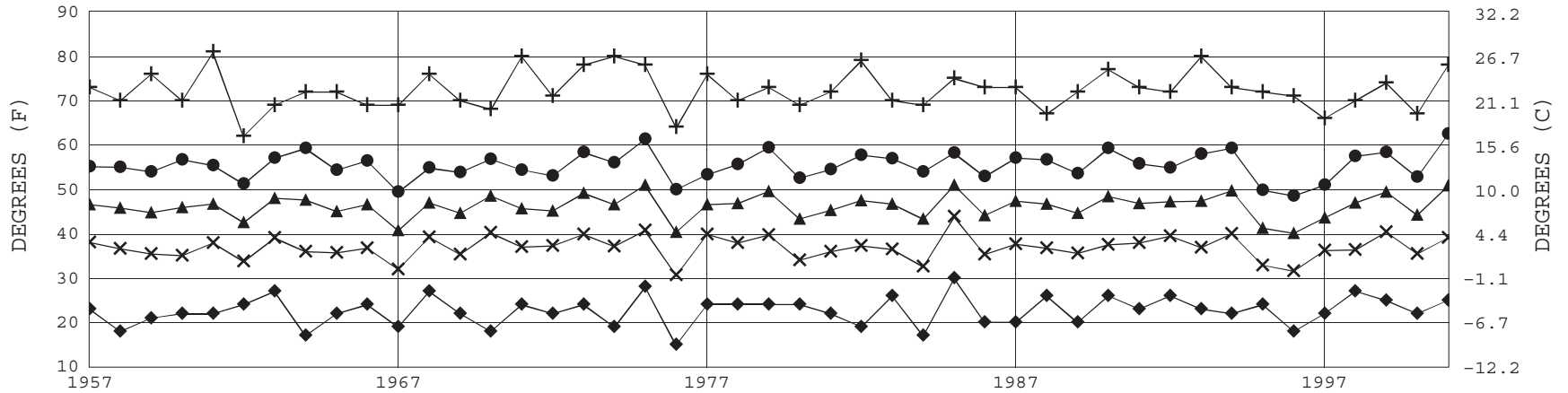
NOVEMBER 2001

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: 0645					NOV 13				SUNSET: 1649				SUNRISE: 0652					NOV 19				SUNSET: 1644							
01	CLR	NC	10.00		33	30	32	89	5	30	30.44	30.53	01	CLR	NC	9.00		38	38	38	100	0	00	30.18	30.27				
04	CLR	NC	10.00		31	29	30	92	0	00	30.46	30.55	04	OVC	004	7.00		38	38	38	100	0	00	30.15	30.23				
07	CLR	NC	10.00		27	25	26	92	5	31	30.48	30.57	07	VV	001	0.25	FG	44	44	44	100	3	21	30.13	30.22				
10	CLR	NC	9.00		48	36	43	63	5	18	30.51	30.59	10	OVC	003	2.00	BR	49	49	49	100	8	19	30.10	30.19				
13	CLR	NC	10.00		55	30	44	39	6	VR	30.43	30.52	13	CLR	NC	10.00		64	49	56	58	13	20	29.97	30.06				
16	CLR	NC	10.00		54	31	44	42	8	24	30.39	30.47	16	CLR	NC	10.00		63	49	55	60	8	21	29.90	29.98				
19	CLR	NC	10.00		47	40	44	77	6	18	30.39	30.48	19	CLR	NC	10.00		55	51	53	87	9	15	29.85	29.94				
22	CLR	NC	10.00		42	34	39	73	5	16	30.38	30.47	22	CLR	NC	10.00		59	54	56	83	10	19	29.79	29.88				
SUNRISE: 0646					NOV 14				SUNSET: 1648				SUNRISE: 0653					NOV 20				SUNSET: 1643							
01	CLR	NC	10.00		35	32	34	89	0	00	30.34	30.43	01	SCT	NC	10.00		60	54	57	80	13	20	29.72	29.81				
04	CLR	NC	10.00		37	35	36	93	3	24	30.32	30.40	04	OVC	060	10.00	-RA	58	55	56	90	8	23	29.71	29.80				
07	CLR	NC	5.00	BR	35	35	35	100	3	23	30.31	30.40	07	OVC	060	10.00	-RA	46	43	45	89	13	32	29.83	29.92				
10	CLR	NC	10.00		50	46	48	86	9	23	30.30	30.38	10	BKN	100	10.00		46	36	42	68	18	29	29.88	29.97				
13	CLR	NC	10.00		59	37	49	44	10	24	30.21	30.29	13	SCT	NC	10.00		52	29	42	41	21	31	29.85	29.94				
16	CLR	NC	10.00		59	40	50	49	8	23	30.16	30.24	16	CLR	NC	10.00		48	26	39	42	21	30	29.91	30.00				
19	CLR	NC	10.00		53	39	46	59	5	23	30.17	30.26	19	CLR	NC	10.00		38	28	34	68	9	30	29.98	30.06				
22	CLR	NC	10.00		48	39	44	71	0	00	30.17	30.25	22	CLR	NC	10.00		34	28	32	79	7	30	30.03	30.12				
SUNRISE: 0647					NOV 15				SUNSET: 1647				SUNRISE: 0654					NOV 21				SUNSET: 1643							
01	CLR	NC	10.00		42	38	40	85	0	00	30.15	30.24	01	CLR	NC	10.00		33	25	30	72	7	28	30.02	30.11				
04	CLR	NC	10.00		41	40	41	96	3	23	30.13	30.22	04	CLR	NC	10.00		32	25	29	75	5	29	30.05	30.14				
07	OVC	110	9.00		43	43	43	100	3	19	30.14	30.23	07	CLR	NC	10.00		29	24	27	82	6	30	30.08	30.16				
10	CLR	NC	10.00		58	42	50	56	5	26	30.13	30.22	10	CLR	NC	10.00		43	27	37	53	3	VR	30.09	30.18				
13	CLR	NC	10.00		69	46	57	44	8	24	30.06	30.15	13	CLR	NC	10.00		47	27	39	46	8	19	30.02	30.11				
16	CLR	NC	10.00		68	47	57	47	9	21	30.02	30.11	16	CLR	NC	10.00		47	25	38	42	8	24	29.97	30.06				
19	SCT	NC	10.00		60	45	52	58	6	21	30.04	30.13	19	CLR	NC	10.00		42	25	35	51	7	20	29.99	30.08				
22	CLR	NC	10.00		55	45	50	69	6	22	30.04	30.13	22	CLR	NC	10.00		39	26	34	60	7	20	29.99	30.08				
SUNRISE: 0648					NOV 16				SUNSET: 1646				SUNRISE: 0655					NOV 22				SUNSET: 1642							
01	CLR	NC	10.00		50	42	46	74	3	25	30.02	30.11	01	CLR	NC	10.00		37	30	34	76	0	00	30.00	30.09				
04	CLR	NC	8.00		45	42	44	90	3	21	30.01	30.09	04	CLR	NC	10.00		31	29	30	92	0	00	30.01	30.10				
07	CLR	NC	5.00	BR	46	44	45	93	5	20	30.04	30.12	07	CLR	NC	10.00		31	28	30	89	0	00	30.05	30.14				
10	CLR	NC	9.00		60	46	53	60	8	22	30.06	30.14	10	CLR	NC	10.00		42	33	38	71	0	00	30.08	30.17				
13	CLR	NC	10.00		71	50	59	47	12	28	30.00	30.09	13	CLR	NC	10.00		58	29	45	33	0	00	30.03	30.11				
16	CLR	NC	10.00		70	51	59	51	14	31	29.99	30.08	16	CLR	NC	10.00		56	37	47	49	9	15	30.02	30.11				
19	CLR	NC	9.00		59	51	55	75	5	31	30.04	30.13	19	CLR	NC	10.00		48	40	44	74	7	15	30.05	30.14				
22	CLR	NC	9.00		56	50	53	81	12	01	30.12	30.20	22	CLR	NC	10.00		41	37	39	86	0	00	30.08	30.16				
SUNRISE: 0649					NOV 17				SUNSET: 1645				SUNRISE: 0656					NOV 23				SUNSET: 1642							
01	CLR	NC	10.00		52	43	48	72	8	36	30.16	30.25	01	CLR	NC	10.00		37	35	36	93	3	36	30.08	30.16				
04	CLR	NC	10.00		47	42	45	83	10	36	30.21	30.29	04	CLR	NC	10.00		35	33	34	93	0	00	30.10	30.19				
07	CLR	NC	10.00		46	41	44	83	9	36	30.28	30.37	07	CLR	NC	9.00		34	34	34	100	3	03	30.14	30.23				
10	FEW	NC	10.00		52	40	46	64	16	04	30.34	30.43	10	CLR	NC	9.00		52	44	48	75	7	09	30.16	30.25				
13	CLR	NC	10.00		55	39	47	55	9	03	30.33	30.41	13	CLR	NC	10.00		58	42	50	56	9	16	30.13	30.22				
16	BKN	036	10.00		56	39	48	53	6	02	30.34	30.42	16	CLR	NC	10.00		58	46	52	65	12	16	30.13	30.21				
19	CLR	NC	10.00		49	39	44	69	9	09	30.36	30.45	19	CLR	NC	10.00		52	49	50	89	3	14	30.16	30.25				
22	CLR	NC	10.00		44	40	42	85	3	09	30.38	30.47	22	SCT	NC	8.00		50	50	50	100	8	07	30.18	30.27				
SUNRISE: 0650					NOV 18				SUNSET: 1645				SUNRISE: 0657					NOV 24				SUNSET: 1641							
01	CLR	NC	10.00		37	37	37	100	6	32	30.38	30.46	01	FEW	NC	0.25	FG	45	45	45	100	3	03	30.17	30.26				
04	CLR	NC	10.00		34	34	34	100	5	32	30.35	30.44	04	OVC	003	2.00	BR	49	49	49	100	7	03	30.17	30.26				
07	CLR	NC	9.00		33	33	33	100	3	32	30.35	30.43	07	OVC	003	2.00	BR	51	51	51	100	8	08	30.18	30.27				
10	CLR	NC	10.00		48	44	46	86	0	00	30.36	30.45	10	BKN	090	5.00	BR	57	57	57	100	7	08	30.21	30.30				
13	CLR	NC	10.00		57	46	51	67	9	24	30.29	30.38	13	OVC	035	10.00		63	57	60	81	14	15	30.17	30.26				
16	CLR	NC	10.00		56	46	51	70	8	22	30.23	30.32	16	OVC	041	10.00		64	56	59	75	14	14	30.17	30.26				
19	CLR	NC	10.00		48	46	47	93	6	17	30.23	30.32	19	OVC	095	10.00		62	57	59	84	12	13	30.19	30.27				
22	CLR	NC	10.00		44	44	44	100	0	00	30.22	30.31	22	OVC	036	10.00		60	57	58	90	9	15	30.17	30.26				

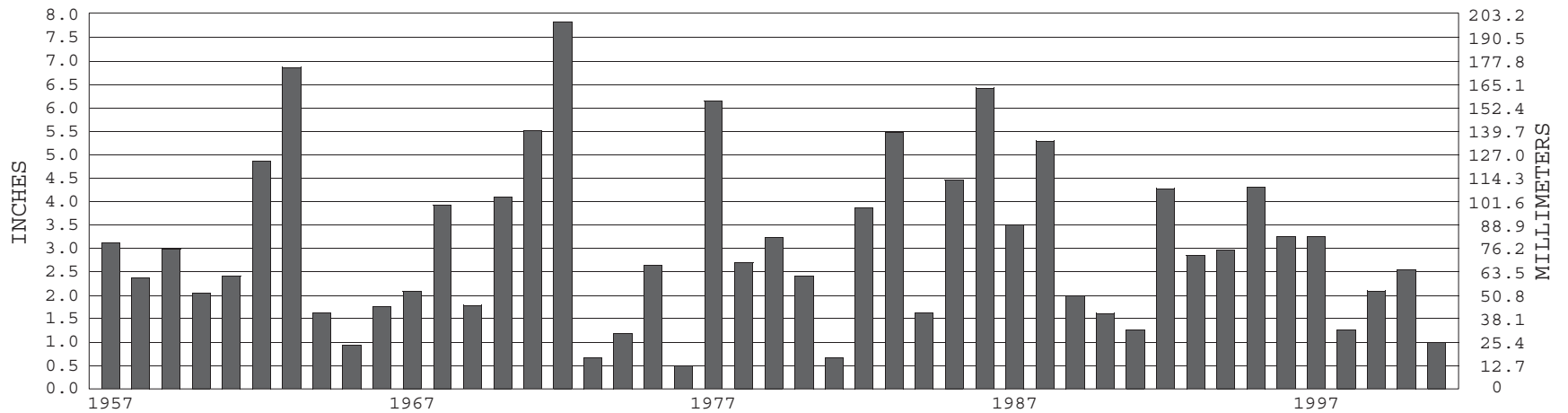
WILMINGTON, DE NOVEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2001) Mean: 46.2 1961-1990 Normal: 46.3

WILMINGTON, DE NOVEMBER PRECIPITATION



Long-Term (1957-2001) Mean Monthly Total: 3.06

1961-1990 Normal: 3.27



NOVEMBER 2001
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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