



SEPTEMBER 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

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	84	75	80*	8	75	76	0	15	RA BR				0.05	29.99	30.08	6.5	14	7.1	20	15	16	15	01									
02	84	73	79	7	74	75	0	14	RA BR				T	29.89	29.99	4.3	17	4.6	17	15	15	15	02									
03	83	71	77	5	73	73	0	12	TSRA RA FG+ BR HZ				2.82	29.81	29.90	2.9	16	3.7	26	19	21	19	03									
04	86*	67	77	5	69	71	0	12	RA BR HZ				T	29.76	29.86	5.3	34	6.9	31	36	24	01	04									
05	69	52	61	-10	45	53	4	0					0.00	30.16	30.25	11.8	04	12.7	29	03	24	02	05									
06	70	50	60	-11	49	54	5	0					0.00	30.32	30.42	7.0	05	9.0	18	05	15	05	06									
07	72	47	60	-11	52	56	5	0	RA				T	30.23	30.33	2.4	18	4.6	11	16	10	17	07									
08	76	53	65	-6	60	62	0	0					0.00	30.06	30.16	5.7	23	6.1	20	23	16	24	08									
09	82	66	74	4	67	69	0	9	BR				0.00	30.01	30.11	3.3	19	4.5	14	14	13	14	09									
10	84	64	74	4	68	69	0	9	BR HZ				0.00	30.04	30.14	3.9	14	5.8	20	16	17	16	10									
11	79	65	72	2	67	68	0	7	BR				0.00	30.04	30.14	5.8	14	6.7	17	16	16	16	11									
12	83	68	76	7	67	70	0	11	BR HZ				0.00	29.90	30.00	8.5	18	8.8	25	18	18	17	12									
13	80	59	70	1	64	67	0	5	RA BR				0.05	29.86	29.96	6.4	30	8.5	20	29	16	32	13									
14	79	52	66	-3	56	61	0	1	TSRA RA BR				0.64	29.83	29.92	1.6	16	7.0	29	29	22	16	14									
15	73	54	64	-5	55	60	1	0	TSRA RA BR				0.22	29.62	29.72	10.4	29	11.6	34*	29	29*	30	15									
16	68	49	59	-9	48	52	6	0	RA				T	29.83	29.93	8.3	29	9.1	21	28	18	27	16									
17	69	45	57	-11	47	52	8	0					0.00	29.99	30.09	6.5	23	7.4	22	25	17	23	17									
18	74	53	64	-3	55	59	1	0					0.00	30.02	30.12	3.3	19	4.8	13	15	11	17	18									
19	71	61	66	-1	64	64	0	1	RA BR				1.54	29.80	29.90	5.5	36	10.4	22	26	21	04	19									
20	84	56	70	3	62	65	0	5	BR				0.00	29.79	29.89	7.4	22	7.9	20	19	16	23	20									
21	76	56	66	0	55	61	0	1	RA				T	29.78	29.88	9.4	27	11.4	30	27	23	27	21									
22	69	49	59	-7	49	54	6	0					0.00	30.07	30.17	2.2	23	6.0	15	16	13	36	22									
23	69	60	65	-1	63	64	0	0	RA FG+ BR				0.07	29.90	30.00	2.5	08	4.2	17	17	14	17	23									
24	79	59	69	4	64	66	0	4	RA FG+ BR HZ				0.01	29.71	29.81	5.6	32	7.4	21	32	17	33	24									
25	59	48	54	-11	50	52	11	0	RA BR				1.31	29.83	29.93	9.7	02	10.4	30	06	23	05	25									
26	54	48	51*	-13	50	51	14	0	RA BR				0.59	29.85	29.94	11.9	36	12.9	26	36	22	01	26									
27	68	43	56	-8	49	52	9	0					0.00	30.03	30.13	6.0	29	6.8	16	31	14	31	27									
28	72	49	61	-2	50	54	4	0	BR				0.00	30.08	30.18	6.5	33	7.8	18	36	16	36	28									
29	62	42	52	-11	39	46	13	0					0.00	30.29	30.39	4.3	03	6.9	17	01	16	01	29									
30	66	39*	53	-10	48	51	12	0					0.00	30.22	30.32	0.8	15	3.7	14	14	11	15	30									
74.1 55.8 65.0 ■■										57.8 60.9 3.3 3.5		< MONTHLY AVERAGES		TOTALS-->					7.30	29.96	30.06	1.1	30	7.5	<-- MONTHLY AVERAGES							
-3.6 -2.4 -3.0 ■■										<----- DEPARTURE FROM NORMAL ----->													3.87	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 2.82				DATE : 03				SEA LEVEL PRESSURE				DATE TIME											
MONTHLY									GREATEST 24-HR SNOWFALL:				DATE :				MAXIMUM				: 30.46 06 1151											
SEASON TO DATE									GREATEST SNOW DEPTH:				DATE :				MINIMUM				: 29.66 15 0351											
TOTAL DEPARTURE									TOTAL DEPARTURE				NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32 : 0				PRECIPITATION ≥ 0.01 INCH : 10							
HEATING: 99 64									101 66				MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 6											
COOLING: 106 -19									928 -103				THUNDERSTORMS : 3				HEAVY FOG : 3				SNOWFALL ≥ 1.0 INCH :											

SEPTEMBER 2000
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

SEPTEMBER 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						0.04	T					T	01	0.01				T	T						01			0.05
02													02												02			T
03													03				1.69	0.66	0.40	0.04	0.02	0.01			03			2.82
04													04			T									04			T
05													05												05			0.00
06													06												06			0.00
07													07												07			T
08													08						T						08			0.00
09													09												09			0.00
10													10												10			0.00
11													11												11			0.00
12													12												12			0.00
13		0.05			T	T	T						13												13			0.05
14													14												14			0.64
15	0.28	0.01	0.02	T		T	0.01	0.01	T				15										T	0.53	15	0.53 0.33		0.22
16													16			T	T								16			T
17													17												17			0.00
18													18												18			0.00
19					0.05	0.08	T	0.01	0.02	0.06	T	T	19	0.02	0.59	0.62	T	T	0.01	0.03	T	0.01	0.03	T	19			1.54
20													20												20			0.00
21									T				21												21			T
22													22												22			0.00
23					T	T	T	0.03	0.01	0.01		0.01	23	T											23			0.07
24								T	T	T			24					0.01							24			0.01
25	T	T	0.02	T	T	0.01	0.02	T	T	T			25	0.01	0.11	0.05	0.07	0.10	0.05	0.07	0.16	0.22	0.14	0.23	25	0.01 T		1.31
26	0.14	0.01	0.01	0.04	0.16	0.12	T	0.01	0.03	T	0.02	0.02	26	0.03	T	T									26			0.59
27													27												27			0.00
28													28												28			0.00
29													29												29			0.00
30													30												30			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.

* = 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
SEPTEMBER 2000**

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							2.50	10.00	
02							1.50	10.00	
03							.25	10.00	
04							4.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							7.00	10.00	
09							5.00	10.00	
10							2.00	10.00	
11							2.00	10.00	
12							4.00	10.00	
13							5.00	10.00	
14							1.50	10.00	
15							1.50	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							.75	10.00	
20							.75	10.00	
21							7.00	10.00	
22							9.00	10.00	
23							.25	10.00	
24							.25	10.00	
25							4.00	10.00	
26							3.00	10.00	
27							7.00	10.00	
28							5.00	10.00	
29							10.00	10.00	
30							9.00	10.00	
MONTHLY AVGS							5.18	10.00	
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 2 12 12									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 2000

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		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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
					SUNRISE: 0531	SEP 01		SUNSET: 1833											SUNRISE: 0536	SEP 07		SUNSET: 1823						
01	OVC	005		10.00		75	74	74	96	7	08	30.02	30.11	01	CLR	NC				10.00	52	51	52	97	3	33	30.31	30.41
04	OVC	003		7.00		75	75	75	100	6	10	30.01	30.11	04	CLR	NC				10.00	50	49	49	96	3	31	30.29	30.39
07	OVC	003		6.00	BR	75	75	75	100	5	11	30.03	30.13	07	CLR	NC				10.00	53	51	52	93	0	00	30.31	30.40
10	OVC	020		6.00	BR	79	76	77	90	6	15	30.03	30.12	10	BKN	033				10.00	64	50	56	61	8	09	30.32	30.42
13	CLR	NC		10.00		84	76	78	77	13	15	29.99	30.09	13	FEW	NC				10.00	68	52	59	57	6	VR	30.25	30.35
16	CLR	NC		10.00		82	74	76	77	13	16	29.94	30.03	16	CLR	NC				10.00	70	53	60	55	8	17	30.17	30.27
19	CLR	NC		10.00		78	74	75	87	8	14	29.94	30.04	19	CLR	NC				10.00	65	55	59	70	5	17	30.14	30.24
22	OVC	007		10.00		76	74	75	94	3	13	29.96	30.05	22	CLR	NC				10.00	60	55	57	84	5	21	30.15	30.24
					SUNRISE: 0532	SEP 02		SUNSET: 1831											SUNRISE: 0537	SEP 08		SUNSET: 1822						
01	OVC	005		8.00		76	75	75	97	0	00	29.94	30.03	01	CLR	NC				10.00	58	55	56	90	5	21	30.12	30.22
04	OVC	005		7.00		74	74	74	100	5	26	29.93	30.02	04	CLR	NC				10.00	56	55	55	97	5	23	30.10	30.20
07	OVC	003		3.00	BR	74	74	74	100	5	17	29.93	30.03	07	CLR	NC				8.00	57	57	57	100	0	00	30.12	30.22
10	OVC	005		5.00	BR	76	73	74	91	6	16	29.94	30.03	10	SCT	NC				10.00	70	61	64	73	9	22	30.10	30.20
13	FEW	NC		10.00		83	74	77	74	7	16	29.89	29.98	13	BKN	027				10.00	74	61	66	64	10	25	30.06	30.15
16	CLR	NC		10.00		79	75	76	88	12	17	29.86	29.95	16	CLR	NC				10.00	73	62	66	69	10	25	30.02	30.11
19	OVC	005		10.00		77	76	76	96	9	15	29.86	29.95	19	CLR	NC				10.00	70	61	64	73	6	21	30.01	30.11
22	CLR	NC		10.00		75	73	74	94	6	19	29.87	29.96	22	CLR	NC				10.00	69	62	65	78	6	22	30.03	30.13
					SUNRISE: 0533	SEP 03		SUNSET: 1830											SUNRISE: 0538	SEP 09		SUNSET: 1820						
01	FEW	NC		10.00		73	72	72	96	0	00	29.84	29.93	01	CLR	NC				10.00	67	63	64	87	3	22	30.02	30.12
04	BKN	006		7.00		72	72	72	100	3	29	29.84	29.93	04	CLR	NC				10.00	66	64	65	93	5	22	30.01	30.10
07	CLR	NC		6.00	BR	74	72	73	94	3	13	29.84	29.94	07	FEW	NC				8.00	66	65	65	96	0	00	30.04	30.14
10	BKN	014		4.00	HZ	79	74	75	85	6	18	29.84	29.94	10	CLR	NC				10.00	75	67	70	76	7	24	30.04	30.14
13	FEW	NC		10.00		81	75	77	82	6	20	29.81	29.90	13	FEW	NC				10.00	81	70	74	69	12	15	30.01	30.11
16	SCT	NC		10.00		80	73	75	79	6	15	29.77	29.86	16	CLR	NC				10.00	81	66	71	61	7	VR	29.98	30.08
19	OVC	031		5.00	-TSRA BR	72	71	71	97	3	25	29.78	29.88	19	CLR	NC				10.00	76	68	71	77	0	00	29.98	30.08
22	CLR	NC		10.00		73	72	72	96	0	00	29.78	29.87	22	CLR	NC				6.00	72	71	71	97	3	18	30.01	30.11
					SUNRISE: 0534	SEP 04		SUNSET: 1828											SUNRISE: 0539	SEP 10		SUNSET: 1818						
01	OVC	014		7.00		72	72	72	100	0	00	29.75	29.84	01	CLR	NC				5.00	68	66	67	93	5	31	30.02	30.11
04	OVC	006		7.00		73	72	72	96	0	00	29.71	29.80	04	CLR	NC				4.00	65	65	65	100	0	00	30.03	30.13
07	OVC	006		5.00	BR	73	72	72	96	0	00	29.73	29.83	07	CLR	NC				2.00	67	66	66	97	3	33	30.07	30.16
10	SCT	NC		6.00	HZ	79	72	74	79	0	00	29.73	29.82	10	CLR	NC				4.00	78	69	72	74	5	11	30.06	30.16
13	FEW	NC		4.00	HZ	81	73	75	77	9	25	29.72	29.82	13	FEW	NC				6.00	84	69	74	61	6	12	30.04	30.14
16	FEW	NC		9.00		85	70	75	61	10	30	29.70	29.79	16	CLR	NC				7.00	80	70	73	71	16	15	30.01	30.10
19	OVC	060		10.00		78	67	71	69	10	01	29.78	29.88	19	CLR	NC				10.00	73	68	70	84	13	15	30.03	30.13
22	CLR	NC		10.00		70	61	64	73	15	35	29.90	30.00	22	CLR	NC				9.00	69	67	68	93	6	12	30.07	30.17
					SUNRISE: 0534	SEP 05		SUNSET: 1827											SUNRISE: 0540	SEP 11		SUNSET: 1817						
01	OVC	029		10.00		66	57	61	73	20	03	29.97	30.07	01	BKN	005				8.00	67	66	66	97	6	09	30.07	30.16
04	OVC	080		10.00		60	45	52	58	15	03	30.04	30.14	04	BKN	007				6.00	67	66	66	97	5	08	30.05	30.15
07	CLR	NC		10.00		57	43	50	60	18	02	30.13	30.23	07	OVC	008				2.00	67	66	66	97	0	00	30.08	30.18
10	FEW	NC		10.00		61	40	51	46	14	03	30.17	30.27	10	BKN	016				10.00	73	65	68	76	8	14	30.09	30.19
13	CLR	NC		10.00		67	46	56	47	14	06	30.18	30.28	13	BKN	020				10.00	77	66	70	69	9	16	30.04	30.14
16	CLR	NC		10.00		68	42	55	39	10	06	30.18	30.27	16	CLR	NC				10.00	77	67	70	71	8	17	30.00	30.10
19	CLR	NC		10.00		63	41	52	45	8	08	30.22	30.31	19	BKN	120				7.00	73	69	70	87	12	16	29.99	30.09
22	CLR	NC		10.00		58	46	52	65	6	07	30.26	30.36	22	SCT	NC				9.00	71	66	68	84	9	13	30.00	30.10
					SUNRISE: 0535	SEP 06		SUNSET: 1825											SUNRISE: 0541	SEP 12		SUNSET: 1815						
01	CLR	NC		10.00		51	47	49	86	6	35	30.27	30.37	01	BKN	028				6.00	70	67	68	90	6	18	29.99	30.09
04	CLR	NC		10.00		51	46	49	83	8	34	30.29	30.39	04	CLR	NC				6.00	68	66	67	93	0	00	29.96	30.06
07	CLR	NC		10.00		56	47	51	72	12	03	30.34	30.44	07	OVC	007				4.00	69	67	68	93	5	19	29.97	30.06
10	FEW	NC		10.00		65	51	57	61	14	05	30.35	30.45	10	FEW	NC				8.00	77	69	72	77	10	20	29.96	30.06
13	FEW	NC		10.00		69	51	59	53	10	05	30.35	30.45	13	SCT	NC				10.00	82	67	72	60	15	18	29.90	29.

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 2000

ILG

WBAN # 13781

HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)		HOUR (LST)			SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES,HG)			
	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	SKY COVER	CEILING 100'S OF FT	OBSERVATION TIME (LST)		EFF CLD AMT Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0542	SEP 13			SUNSET: 1814										SUNRISE: 0548	SEP 19									
01	OVC	041			10.00	BR	73	70	71	90	12	24	29.84	29.93	01	CLR	NC			10.00	63	56	59	78	0	00	29.99	30.09	
04	BKN	085			6.00		72	71	71	97	7	20	29.78	29.88	04	OVC	070			10.00	62	59	60	90	3	36	29.94	30.04	
07	OVC	090			10.00		70	69	69	97	6	31	29.83	29.93	07	OVC	020			2.50	63	62	62	97	8	04	29.91	30.01	
10	FEW	NC			10.00		76	68	71	77	10	32	29.87	29.96	10	OVC	005			2.50	65	65	65	100	16	05	29.84	29.94	
13	FEW	NC			10.00		78	65	70	64	10	30	29.86	29.96	13	OVC	003			2.50	69	69	69	100	17	04	29.71	29.81	
16	CLR	NC			10.00		79	59	67	50	10	32	29.84	29.94	16	OVC	012			5.00	71	70	70	96	3	05	29.63	29.73	
19	CLR	NC			10.00	68	57	62	68	6	31	29.89	29.98	19	OVC	009			6.00	66	65	65	96	13	28	29.67	29.76		
22	CLR	NC			10.00	62	54	58	75	7	32	29.92	30.01	22	OVC	110			7.00	64	63	63	96	14	27	29.77	29.87		
					SUNRISE: 0543	SEP 14			SUNSET: 1812										SUNRISE: 0548	SEP 20									
01	CLR	NC			10.00	60	54	57	80	3	32	29.92	30.02	01	BKN	110			10.00	61	58	59	90	7	26	29.82	29.92		
04	CLR	NC			10.00	56	52	54	87	6	33	29.92	30.02	04	CLR	NC			9.00	59	58	58	96	6	25	29.83	29.93		
07	CLR	NC			10.00	59	53	56	81	5	33	29.92	30.02	07	CLR	NC			4.00	60	60	60	100	3	23	29.85	29.95		
10	CLR	NC			10.00	72	55	62	55	0	00	29.90	30.00	10	CLR	NC			10.00	73	65	68	76	6	24	29.85	29.95		
13	CLR	NC			10.00	79	53	64	41	7	VR	29.85	29.95	13	CLR	NC			10.00	82	61	69	49	15	21	29.81	29.91		
16	CLR	NC			10.00	78	54	64	43	10	13	29.78	29.88	16	CLR	NC			10.00	84	62	70	48	9	22	29.76	29.86		
19	OVC	070			10.00	73	61	66	66	12	14	29.74	29.84	19	CLR	NC			10.00	76	62	67	62	13	18	29.72	29.82		
22	OVC	038			10.00	73	64	67	74	17	16	29.68	29.78	22	CLR	NC			8.00	73	67	69	81	9	21	29.73	29.83		
					SUNRISE: 0544	SEP 15			SUNSET: 1810										SUNRISE: 0549	SEP 21									
01	OVC	017			3.00	BR	65	65	65	100	5	31	29.62	29.72	01	CLR	NC			7.00	71	67	68	87	12	19	29.66	29.75	
04	OVC	080			4.00	BR	68	68	68	100	6	25	29.56	29.66	04	BKN	110			9.00	71	68	69	90	8	21	29.61	29.71	
07	OVC	090			9.00	-RA	64	62	63	93	6	25	29.61	29.71	07	OVC	065			10.00	72	59	64	64	16	27	29.71	29.81	
10	SCT	NC			10.00	68	58	62	70	18	28	29.61	29.71	10	CLR	NC			10.00	71	53	61	53	15	28	29.75	29.85		
13	CLR	NC			10.00	72	50	60	46	18	30	29.60	29.70	13	FEW	NC			10.00	74	52	61	46	14	27	29.78	29.88		
16	FEW	NC			10.00	72	48	59	43	18	30	29.58	29.68	16	FEW	NC			10.00	74	50	60	43	14	30	29.79	29.89		
19	CLR	NC			10.00	61	48	54	63	14	28	29.65	29.75	19	CLR	NC			10.00	62	52	56	70	6	31	29.88	29.98		
22	CLR	NC			10.00	57	49	53	75	10	27	29.70	29.80	22	CLR	NC			10.00	59	49	54	69	5	23	29.97	30.07		
					SUNRISE: 0545	SEP 16			SUNSET: 1809										SUNRISE: 0550	SEP 22									
01	CLR	NC			10.00	53	47	50	80	8	29	29.72	29.82	01	CLR	NC			10.00	55	49	52	80	5	27	30.01	30.10		
04	CLR	NC			10.00	52	47	49	83	13	30	29.72	29.82	04	CLR	NC			10.00	52	48	50	86	3	31	30.05	30.14		
07	CLR	NC			10.00	53	48	50	83	8	30	29.78	29.88	07	CLR	NC			10.00	54	50	52	87	5	31	30.11	30.21		
10	CLR	NC			10.00	62	49	55	62	7	VR	29.82	29.91	10	CLR	NC			10.00	64	47	55	54	5	05	30.13	30.23		
13	BKN	080			10.00	64	47	55	54	14	30	29.83	29.93	13	CLR	NC			10.00	68	48	57	49	6	20	30.09	30.19		
16	BKN	080			10.00	62	47	54	58	14	30	29.85	29.95	16	CLR	NC			10.00	68	48	57	49	9	25	30.06	30.16		
19	CLR	NC			10.00	56	48	52	75	7	28	29.89	29.99	19	CLR	NC			10.00	63	49	55	60	5	19	30.05	30.14		
22	CLR	NC			10.00	53	48	50	83	3	22	29.96	30.06	22	FEW	NC			10.00	60	53	56	78	7	18	30.07	30.16		
					SUNRISE: 0546	SEP 17			SUNSET: 1807										SUNRISE: 0551	SEP 23									
01	CLR	NC			10.00	50	47	48	89	5	25	30.00	30.10	01	OVC	049			10.00	61	54	57	78	7	18	30.03	30.13		
04	CLR	NC			10.00	48	45	47	89	0	00	30.02	30.11	04	OVC	032			10.00	62	56	59	81	3	10	29.98	30.08		
07	CLR	NC			10.00	51	47	49	86	5	28	30.04	30.14	07	OVC	007			1.50	61	61	61	100	6	22	30.01	30.11		
10	CLR	NC			10.00	64	46	55	52	8	26	30.05	30.15	10	OVC	003			1.50	62	62	62	100	6	09	29.97	30.07		
13	CLR	NC			10.00	67	46	56	47	14	21	29.99	30.09	13	OVC	003			1.75	64	64	64	100	7	07	29.91	30.00		
16	CLR	NC			10.00	69	45	56	42	10	22	29.94	30.04	16	OVC	003			1.50	67	67	67	100	5	02	29.84	29.93		
19	CLR	NC			10.00	62	47	54	58	6	20	29.94	30.04	19	OVC	001			0.50	68	68	68	100	3	03	29.81	29.91		
22	CLR	NC			10.00	59	50	54	72	6	20	29.98	30.08	22	VV	001			0.25	69	69	69	100	0	00	29.78	29.88		
					SUNRISE: 0547	SEP 18			SUNSET: 1805										SUNRISE: 0552	SEP 24									
01	CLR	NC			10.00	57	52	54	83	6	26	29.99	30.09	01	VV	001			0.25	68	68	68	100	3	29	29.73	29.83		
04	CLR	NC			10.00	55	52	53	90	3	17	30.01	30.10	04	OVC	012			4.00	67	67	67	100	6	25	29.70	29.80		
07	CLR	NC			8.00	55	54	54	96	3	32	30.04	30.14	07	OVC	012			3.00	67	67	67	100	3	17	29.69	29.79		
10	CLR	NC			10.00	69	55	61	61	6	24	30.07	30.17	10	OVC	027			2.00	70	69	69	97	6	29	29.69	29.79		
13	CLR	NC			10.00	73	52	61	48	6	23	30.03	30.13	13	OVC	025			8.00	76	69	71	79	6	VR	29.66	29.75		
16	CLR																												

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 2000

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		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		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
					SUNRISE: 0553	SEP 25		SUNSET: 1754																			
01	BKN	060			10.00 -RA	56	51	53	84	9	36	29.83	29.92														
04	FEW	NC			10.00 -RA	55	50	52	83	9	35	29.83	29.93														
07	BKN	038			10.00 -RA	53	51	52	93	8	35	29.88	29.98														
10	OVC	031			10.00 -RA	56	50	53	81	12	01	29.89	29.98														
13	OVC	070			9.00 -RA	57	50	53	78	5	06	29.87	29.96														
16	OVC	028			4.00 RA BR	55	53	54	93	7	06	29.79	29.89														
19	OVC	016			10.00 -RA	52	49	50	89	18	05	29.74	29.84														
22	OVC	039			5.00 RA BR	48	47	47	96	20	03	29.79	29.88														
					SUNRISE: 0554	SEP 26		SUNSET: 1752																			
01	OVC	009			10.00 -RA	50	49	49	96	12	35	29.77	29.86														
04	OVC	011			7.00 -RA	51	50	51	96	14	02	29.71	29.81														
07	OVC	016			10.00 -RA	51	49	50	92	21	03	29.76	29.86														
10	OVC	013			10.00 -RA	53	51	52	93	21	01	29.80	29.90														
13	OVC	015			9.00 -RA	52	50	51	93	18	35	29.84	29.93														
16	OVC	015			10.00	54	50	52	87	14	35	29.86	29.96														
19	OVC	060			10.00	53	50	51	89	8	33	29.94	30.04														
22	OVC	041			10.00	50	48	49	93	5	31	30.00	30.10														
					SUNRISE: 0555	SEP 27		SUNSET: 1751																			
01	CLR	NC			10.00	48	47	47	96	8	28	30.01	30.11														
04	CLR	NC			8.00	45	44	45	97	8	30	30.02	30.11														
07	CLR	NC			7.00	48	47	47	96	6	30	30.06	30.16														
10	CLR	NC			10.00	60	49	54	67	8	31	30.08	30.18														
13	CLR	NC			10.00	66	47	56	50	6	29	30.04	30.14														
16	CLR	NC			10.00	68	49	58	51	7	30	29.99	30.09														
19	CLR	NC			10.00	61	52	56	72	5	23	30.00	30.10														
22	CLR	NC			10.00	56	53	54	90	5	24	30.02	30.12														
					SUNRISE: 0556	SEP 28		SUNSET: 1749																			
01	CLR	NC			9.00	53	51	52	93	6	26	30.01	30.11														
04	CLR	NC			8.00	50	49	49	96	5	27	29.99	30.09														
07	CLR	NC			5.00 BR	53	50	51	89	5	31	30.02	30.12														
10	CLR	NC			10.00	66	53	59	63	8	36	30.06	30.16														
13	FEW	NC			10.00	70	54	61	57	8	32	30.05	30.15														
16	FEW	NC			10.00	65	53	58	66	12	34	30.07	30.17														
19	SCT	NC			10.00	57	49	53	75	10	36	30.14	30.23														
22	CLR	NC			10.00	52	43	48	72	10	36	30.20	30.30														
					SUNRISE: 0557	SEP 29		SUNSET: 1747																			
01	CLR	NC			10.00	48	40	44	74	9	35	30.22	30.32														
04	CLR	NC			10.00	45	39	42	80	9	36	30.25	30.35														
07	CLR	NC			10.00	44	37	41	76	7	34	30.31	30.41														
10	CLR	NC			10.00	55	38	47	53	13	03	30.34	30.44														
13	CLR	NC			10.00	59	37	49	44	5	VR	30.32	30.42														
16	CLR	NC			10.00	61	37	49	41	7	07	30.28	30.38														
19	CLR	NC			10.00	56	37	47	49	0	00	30.30	30.39														
22	CLR	NC			10.00	50	42	46	74	3	07	30.32	30.42														
					SUNRISE: 0558	SEP 30		SUNSET: 1746																			
01	CLR	NC			10.00	45	44	45	97	3	31	30.30	30.40														
04	CLR	NC			10.00	42	41	42	96	3	32	30.27	30.37														
07	CLR	NC			10.00	43	42	43	97	0	00	30.29	30.39														
10	CLR	NC			10.00	59	49	54	69	0	00	30.29	30.39														
13	CLR	NC			10.00	64	49	56	58	6	VR	30.23	30.32														
16	CLR	NC			10.00	65	51	57	61	10	14	30.16	30.26														
19	CLR	NC			10.00	61	54	57	78	7	15	30.15	30.25														
22	OVC	029			10.00	58	54	56	87	0	00	30.17	30.27														

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.

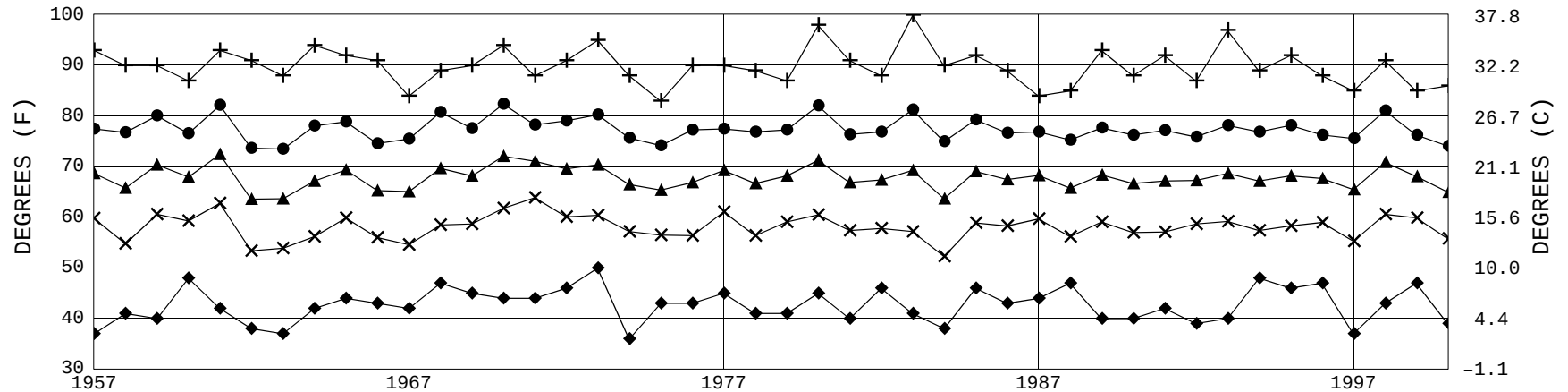
& = Original observation contained additional weather elements.

See page 3 for additional notes.

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			61	58	59	89	29.96	30.06	8.78	6	2	30
02			60	57	59	91	29.95	30.05	8.51	6	2	29
03			60	57	58	91	29.95	30.04	8.60	5	2	31
04			60	57	58	92	29.95	30.05	8.30	6	2	32
05			59	57	58	92	29.96	30.06	7.87	5	3	32
06			59	57	58	93	29.97	30.07	7.33	5	4	33
07			60	57	59	91	29.98	30.08	7.13	6	2	34
08			63	58	60	84	29.99	30.08	7.33	7	2	34
09			66	58	62	79	29.99	30.09	7.88	8	3	35
10			68	58	62	72	29.99	30.09	8.30	8	2	35
11			70	58	63	68	29.98	30.08	8.87	7	2	33
12			71	58	63	65	29.97	30.07	8.80	9	2	32
13			72	58	64	63	29.96	30.05	9.01	9	2	24
14			73	58	64	62	29.94	30.04	8.93	9	2	23
15			73	58	64	63	29.93	30.02	9.11	10	2	22
16			72	58	64	63	29.92	30.02	9.22	10	1	24
17			71	58	63	66	29.93	30.02	8.90	10	2	21
18			68	57	62	70	29.93	30.03	9.20	9	2	22
19			66	58	61	75	29.94	30.03	9.28	8	1	16
20			65	58	61	79	29.96	30.05	9.22	8	1	19
21			64	58	61	82	29.96	30.06	9.28	6	0	0
22			63	58	60	83	29.97	30.07	9.14	7	1	21
23			62	57	59	85	29.97	30.06	8.94	7	1	26
24			61	57	59	88	29.96	30.06	8.86	6	2	29

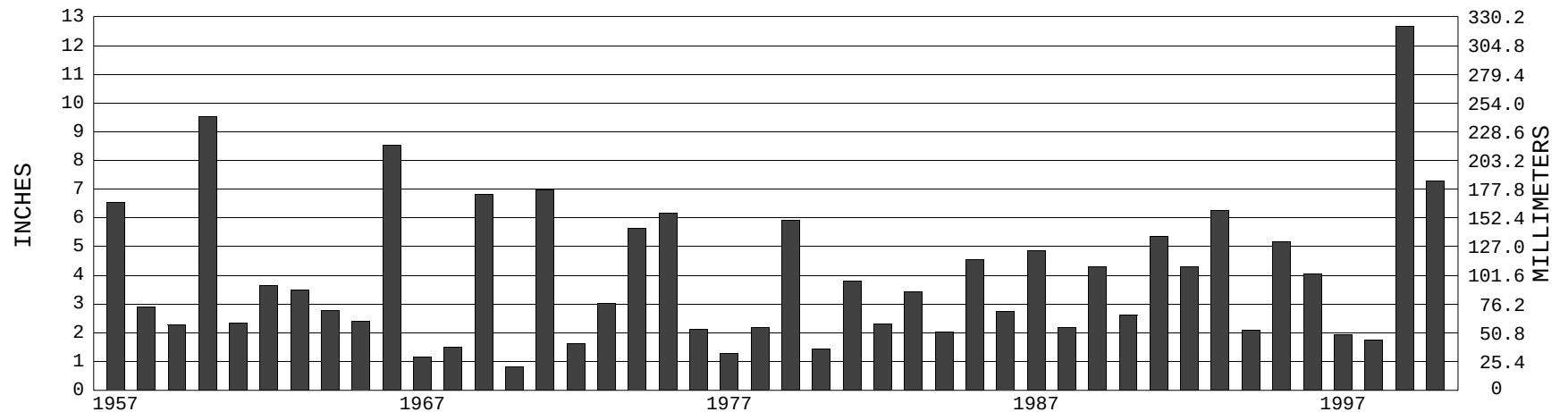
WILMINGTON, DE SEPTEMBER TEMPERATURES



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

Long-Term (1957-2000) Mean: 67.8 1961-1990 Normal: 68.0

WILMINGTON, DE SEPTEMBER PRECIPITATION



Long-Term (1957-2000) Mean Monthly Total: 3.98

1961-1990 Normal: 3.43



SEPTEMBER 2000
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA – National Weather Service / Department Of Transportation – Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

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