



SEPTEMBER 1996

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

GREATER WILMINGTON AIRPORT (ILG)

Lat: 39° 40' N Long: 75° 36' W Elev (Ground): 74 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	60	72	0	60	64	0	7	BR				0.00	29.91	29.99	6.3	35	6.6	17	36	14	36	01					
02	86	60	73	1	61	66	0	8					0.00	29.89	29.98	6.0	29	6.6	13	29	11	32	02					
03	86	63	75	3	64	68	0	10	RA BR HZ				T	29.95	30.03	3.7	23	6.0	16	19	15	19	03					
04	81	70	76	4	67	70	0	11	RA				T	29.96	30.04	2.5	13	6.3	17	15	15	15	04					
05	85	71	78	7	69	72	0	13	RA BR HZ				T	30.01	30.09	6.6	11	7.8	16	11	14	17	05					
06	81	71	76	5	72	73	0	11	RA BR				0.04	29.84	29.92	14.6	09	16.3	32	11	25	12	06					
07	86	74	80*	9	70	73	0	15	RA				T	29.73	29.81	9.8	17	11.3	23	16	18	16	07					
08	88*	66	77	6	70	72	0	12	TS TSRA RA BR				0.24	29.75	29.83	5.3	15	7.2	38*	17	29	18	08					
09	86	67	77	7	70	72	0	12	FG+ BR HZ				0.00	29.79	29.87	4.6	19	4.8	15	21	13	17	09					
10	86	69	78	8	69	72	0	13	BR HZ				0.00	29.84	29.92	4.8	29	5.4	15	30	14	30	10					
11	73	69	71	1	67	68	0	6	RA BR HZ				0.03	29.86	29.94	6.8	04	7.9	16	03	14	03	11					
12	74	65	70	1	65	67	0	5					0.00	29.76	29.85	9.4	04	10.2	17	08	16	08	12					
13	76	58	67	-2	61	63	0	2	RA BR				0.09	29.60	29.69	3.1	02	7.5	29	27	25	27	13					
14	71	53	62	-7	51	56	3	0					0.00	29.70	29.79	8.0	28	8.9	23	29	20	28	14					
15	75	53	64	-5	51	57	1	0					0.00	29.83	29.91	8.8	26	5.7	21	26	16	23	15					
16	70	58	64	-4	58	60	1	0	RA BR				1.07	29.88	29.96	3.6	19	6.1	16	08	15	10	16					
17	67	58	63	-5	61	62	2	0	RA BR				0.83	29.58	29.66	7.9	01	10.5	31	07	26	06	17					
18	73	57	65	-2	53	57	0	0	RA BR				T	29.70	29.79	13.1	31	13.4	33	31	29	31	18					
19	75	54	65	-2	49	56	0	0					0.00	29.80	29.88	10.7	31	11.0	22	31	20	31	19					
20	76	50	63	-4	41	52	2	0					0.00	29.90	29.99	7.0	29	6.1	17	29	15	28	20					
21	76	51	64	-2	55	59	1	0					0.00	29.88	29.97	3.8	26	5.5	16	19	14	15	21					
22	74	58	66	0	58	61	0	1	RA BR				0.83	29.64	29.72	6.5	23	10.2	22	27	18	28	22					
23	69	53	61	-5	53	56	4	0					0.00	29.75	29.83	8.3	31	9.8	26	31	23	31	23					
24	68	47	58	-7	53	56	7	0	RA BR				0.01	29.87	29.96	2.2	17	5.2	13	19	11	19	24					
25	69	50	60	-5	50	55	5	0	BR				0.00	29.99	30.08	8.0	30	8.4	23	28	18	29	25					
26	67	47*	57*	-7	51	55	8	0					0.00	30.25	30.34	2.2	12	7.0	16	11	14	11	26					
27	72	60	66	2	60	62	0	1	RA				T	30.24	30.32	10.7	14	11.3	23	15	20	16	27					
28	76	58	67	4	64	66	0	2	RA BR				0.87	29.97	30.06	11.5	16	14.9	33	31	29*	31	28					
29	66	53	60	-3	50	55	5	0	RA BR				0.02	30.04	30.13	6.2	29	6.5	18	31	16	32	29					
30	74	48	61	-2	42	52	4	0	HZ				0.00	30.25	30.33	5.5	30	5.0	17	33	16	33	30					
76.3 59.0 67.7 ■■										58.8 62.6 1.4 4.3 < MONTHLY AVERAGES TOTALS-->				4.05	29.87	29.96	1.3	28	8.3	<-- MONTHLY AVERAGES								
-1.4 0.8 -3 ■■										<----- DEPARTURE FROM NORMAL ----->										0.62	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3							
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.80			DATE: 16-17			SEA LEVEL PRESSURE			DATE TIME										
MONTHLY TOTAL DEPARTURE									GREATEST 24-HR SNOWFALL:			DATE:			MAXIMUM			30.40 30 2359										
SEASON TO DATE TOTAL DEPARTURE									GREATEST SNOW DEPTH:			DATE:			MINIMUM			29.61 17 1451										
HEATING: 43 8									NUMBER OF DAYS WITH →			MAXIMUM TEMP ≥ 90: 0			MINIMUM TEMP ≤ 32: 0			PRECIPITATION ≥ 0.01 INCH: 12										
COOLING: 129 4												MAXIMUM TEMP ≤ 32: 0			MINIMUM TEMP ≤ 0: 0			PRECIPITATION ≥ 0.10 INCH: 5										
												THUNDERSTORMS: 1			HEAVY FOG: 1			SNOWFALL ≥ 1.0 INCH: 0										

SEPTEMBER 1996
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

SEPTEMBER 1996

ILG

WBAN # 13781

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note 2)	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									T	T		03			T	
04													04					T	T						04			T	
05	T												05												05			T	
06													06	T											06			0.04	
07	T											0.04	07											T	07			T	
08													08							0.02	0.22	T			08			0.24	
09													09												09			0.00	
10													10												10			0.00	
11													11	0.01	0.01	0.01	T								11			0.03	
12													12												12			0.00	
13							T						13		T			0.01							13			0.09	
14								T					14												14			0.00	
15													15												15			0.00	
16													16	T	0.04	0.05	0.08	0.08	0.04	0.08	0.13	0.12	0.09	0.12	0.22	16	1.05	1.07	
17	0.06	0.18	0.46		T							T	17			T	0.02	T	0.01		T	0.01	0.02	0.03	0.01	17	0.80	0.83	
18			T										18												18			T	
19													19												19			0.00	
20													20												20			0.00	
21													21												21			0.00	
22				0.04	0.30	0.17	0.25	0.06	T	0.01			22									T			22			0.83	
23													23												23			0.00	
24													24												24			0.01	
25													25					T	T		T	0.01			25			0.00	
26													26												26			0.00	
27													27												27			T	
28												T	28				0.05	0.10				0.21	0.24	0.19	0.08	28			0.87
29	0.01	T											29												29			0.02	
30													30												30			0.00	

MAXIMUM SHORT DURATION PRECIPITATION (See Note 1)

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 1: NCDC derives these data from one-minute ASOS values. The table is not printed when inconsistent with ASOS hourly totals.

Note 2: 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 1996**

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 at constant pressure by evaporation of moisture into it, to 100% relative humidity.

Maximum short duration precipitation data (page 7) not received.

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OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 1996

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		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	CLR	NC			9.00	63	62	62	97	5	01	29.96	30.05	01	OVC	016			7.00	77	74	75	90	16	11	29.72	29.80
04	CLR	NC			6.00	61	60	60	97	7	32	29.94	30.03	04	SCT	NC			7.00	76	74	75	94	13	12	29.70	29.79
07	CLR	NC			8.00	65	62	63	90	0	00	29.94	30.03	07	CLR	NC			10.00	77	72	74	85	14	16	29.73	29.81
10	CLR	NC			10.00	77	62	68	60	9	36	29.94	30.02	10	OVC	030			10.00	80	71	74	74	13	18	29.72	29.81
13	CLR	NC			10.00	81	59	67	47	5	36	29.90	29.99	13	OVC	048			10.00	84	68	73	59	12	18	29.71	29.79
16	CLR	NC			10.00	83	56	66	40	9	35	29.86	29.95	16	SCT	NC			10.00	84	67	73	57	14	20	29.70	29.79
19	CLR	NC			10.00	74	59	65	60	6	34	29.85	29.94	19	BKN	070			10.00	80	69	73	69	7	18	29.74	29.82
22	CLR	NC			10.00	66	59	62	78	6	33	29.87	29.96	22	CLR	NC			10.00	76	68	71	77	7	18	29.76	29.84
					SUNRISE: 0532	SEP 02		SUNSET: 1831											SUNRISE: 0537	SEP 08		SUNSET: 1822					
01	CLR	NC			10.00	62	57	59	84	6	30	29.87	29.96	01	CLR	NC			10.00	74	67	69	79	3	20	29.75	29.84
04	CLR	NC			10.00	61	57	59	87	8	30	29.86	29.95	04	CLR	NC			10.00	72	68	69	87	3	17	29.75	29.83
07	CLR	NC			10.00	65	60	62	84	5	30	29.90	29.98	07	CLR	NC			7.00	72	69	70	91	5	18	29.77	29.85
10	CLR	NC			10.00	80	62	69	54	9	35	29.91	30.00	10	CLR	NC			10.00	82	73	76	74	8	13	29.78	29.86
13	CLR	NC			10.00	84	61	69	46	8	26	29.89	29.98	13	SCT	NC			10.00	87	72	77	61	12	14	29.74	29.83
16	CLR	NC			10.00	85	59	69	42	9	27	29.87	29.96	16	OVC	048			8.00	83	73	76	72	13	15	29.69	29.77
19	CLR	NC			10.00	78	63	68	60	5	23	29.89	29.98	19	BKN	045			9.00	71	66	68	84	8	17	29.75	29.84
22	CLR	NC			10.00	71	64	67	79	6	25	29.91	30.00	22	CLR	NC			7.00	70	68	69	93	3	33	29.75	29.84
					SUNRISE: 0533	SEP 03		SUNSET: 1830											SUNRISE: 0538	SEP 09		SUNSET: 1820					
01	CLR	NC			7.00	65	62	63	90	5	27	29.91	30.00	01	CLR	NC			5.00	70	69	69	97	0	00	29.75	29.83
04	FEW	NC			7.00	64	61	62	90	5	28	29.92	30.00	04	VV	001			0.25	70	70	70	100	0	00	29.74	29.83
07	CLR	NC			4.00	68	63	65	84	3	28	29.95	30.04	07	CLR	NC			1.50	70	70	70	100	0	00	29.79	29.88
10	CLR	NC			9.00	79	65	70	62	0	00	29.97	30.05	10	CLR	NC			5.00	80	70	73	71	0	00	29.81	29.90
13	FEW	NC			10.00	83	61	69	48	6	11	29.95	30.04	13	FEW	NC			6.00	84	70	74	63	12	15	29.79	29.88
16	CLR	NC			10.00	82	63	70	53	9	20	29.92	30.01	16	CLR	NC			6.00	85	66	72	53	9	23	29.76	29.84
19	OVC	100			8.00	78	68	71	71	8	22	29.94	30.03	19	CLR	NC			3.00	78	74	75	87	8	14	29.77	29.86
22	OVC	090			6.00	75	69	71	82	8	29	29.95	30.03	22	CLR	NC			4.00	76	72	73	88	3	19	29.82	29.90
					SUNRISE: 0534	SEP 04		SUNSET: 1828											SUNRISE: 0539	SEP 10		SUNSET: 1819					
01	OVC	100			10.00	72	65	68	79	8	30	29.95	30.04	01	FEW	NC			3.00	73	70	71	90	6	23	29.81	29.90
04	OVC	080			10.00	73	63	67	71	0	00	29.94	30.02	04	CLR	NC			2.00	71	71	71	100	0	00	29.82	29.90
07	OVC	085			10.00	73	65	68	76	0	00	29.98	30.06	07	CLR	NC			1.75	72	69	70	91	3	VR	29.84	29.93
10	BKN	085			10.00	76	64	68	67	8	11	29.99	30.07	10	CLR	NC			7.00	81	67	72	62	6	VR	29.85	29.94
13	FEW	NC			8.00	80	67	71	64	8	10	29.95	30.03	13	BKN	037			3.00	83	69	74	63	12	30	29.84	29.93
16	SCT	NC			9.00	79	70	73	74	10	14	29.94	30.02	16	CLR	NC			3.00	83	68	73	61	9	32	29.82	29.90
19	CLR	NC			8.00	76	71	73	85	9	13	29.95	30.04	19	CLR	NC			3.00	76	68	71	77	0	00	29.84	29.93
22	OVC	110			8.00	74	69	71	85	6	08	29.97	30.06	22	CLR	NC			4.00	72	69	70	91	6	30	29.86	29.94
					SUNRISE: 0534	SEP 05		SUNSET: 1827											SUNRISE: 0540	SEP 11		SUNSET: 1817					
01	FEW	NC			6.00	72	70	71	94	5	07	29.98	30.06	01	CLR	NC			3.00	72	69	70	91	0	00	29.84	29.93
04	FEW	NC			4.00	72	70	71	94	6	08	29.99	30.07	04	CLR	NC			8.00	72	65	68	79	9	02	29.82	29.91
07	FEW	NC			2.00	74	71	72	91	8	10	30.01	30.10	07	OVC	045			6.00	71	65	67	81	6	02	29.87	29.96
10	BKN	029			6.00	79	71	74	77	7	16	30.05	30.13	10	OVC	018			10.00	73	65	68	76	10	05	29.87	29.96
13	FEW	NC			9.00	83	67	72	59	8	14	30.01	30.10	13	OVC	014			4.00	70	68	69	93	10	05	29.87	29.96
16	CLR	NC			7.00	80	70	73	71	13	17	29.98	30.07	16	OVC	016			10.00	72	68	69	87	8	04	29.85	29.94
19	CLR	NC			7.00	77	68	71	74	9	09	29.99	30.07	19	BKN	018			10.00	71	66	68	84	6	05	29.84	29.93
22	CLR	NC			5.00	72	69	70	91	9	10	30.02	30.11	22	OVC	019			10.00	70	67	68	90	9	04	29.85	29.94
					SUNRISE: 0535	SEP 06		SUNSET: 1825											SUNRISE: 0541	SEP 12		SUNSET: 1815					
01	OVC	008			4.00	71	69	70	94	13	05	29.98	30.06	01	CLR	NC			10.00	69	66	67	90	10	04	29.81	29.90
04	OVC	010			6.00	72	69	70	91	12	07	29.94	30.02	04	OVC	012			10.00	69	65	66	87	8	01	29.77	29.86
07	OVC	010			9.00	73	70	71	90	16	05	29.92	30.01	07	OVC	014			10.00	68	64	66	87	10	01	29.77	29.85
10	OVC	010			10.00	76	72	73	88	18	07	29.89	29.98	10	OVC	016			9.00	72	66	68	82	8	04	29.79	29.88
13	OVC	016			9.00	78	75	76	90	16	09	29.83	29.91	13	OVC	024			10.00	74	66	69	76	9	05	29.77	29.86
16	OVC	025			10.00	81	74	76	79	18	11	29.76	29.84	16	OVC	021			10.00	73	66	69	79	13	06	29.73	29.81
19	SCT	NC			10.00	79	72	74	79	13	11	29.74	29.83	19	OVC	028			10.00	70	64	66	82	13	08	29.74	29.83
22	OVC	019			10.00	78	73	75	85	16	12	29.73	29.82	22	OVC	024			10.00	67	63	64	87	12	08	29.74	29.83

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 1996

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)		HOUR (LST)	≤ 12K FEET		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: 0542	SEP 13			SUNSET: 1814										SUNRISE: 0547	SEP 19									
01	OVC	012			10.00		66	62	64	87	9	07	29.70	29.79	01	CLR	NC			10.00	58	51	54	78	7	28	29.77	29.85	
04	OVC	012			10.00		66	62	64	87	14	06	29.63	29.72	04	CLR	NC			10.00	57	51	54	81	9	29	29.76	29.85	
07	OVC	008			10.00	-RA	65	63	64	93	9	04	29.60	29.68	07	CLR	NC			10.00	59	52	55	78	14	31	29.78	29.87	
10	OVC	006			8.00		67	64	65	91	7	03	29.58	29.67	10	CLR	NC			10.00	68	50	58	53	16	31	29.81	29.90	
13	OVC	023			10.00		72	63	66	73	3	32	29.55	29.64	13	CLR	NC			10.00	73	48	59	41	14	34	29.78	29.87	
16	FEW	NC			10.00		75	63	67	66	8	23	29.53	29.62	16	CLR	NC			10.00	74	48	59	40	15	32	29.77	29.86	
19	BKN	100			10.00		64	58	60	81	3	29	29.58	29.67	19	CLR	NC			10.00	64	50	56	61	7	28	29.80	29.88	
22	CLR	NC			10.00		61	57	59	87	6	27	29.62	29.70	22	CLR	NC			10.00	59	50	54	72	7	32	29.85	29.94	
					SUNRISE: 0543	SEP 14			SUNSET: 1812										SUNRISE: 0548	SEP 20									
01	CLR	NC			10.00		58	54	56	87	8	28	29.63	29.72	01	CLR	NC			10.00	54	31	44	42	6	32	29.86	29.95	
04	CLR	NC			10.00		56	52	54	87	9	29	29.63	29.72	04	CLR	NC			10.00	52	29	42	41	3	30	29.89	29.98	
07	CLR	NC			9.00		57	52	54	83	8	27	29.67	29.75	07	CLR	NC			10.00	55	25	42	31	0	00	29.92	30.01	
10	CLR	NC			10.00		67	50	58	55	10	29	29.69	29.78	10	CLR	NC			10.00					8	30	29.94	30.03	
13	SCT	NC			10.00		69	49	58	49	15	29	29.69	29.78	13	CLR	NC			10.00	75	47	59	37	15	28	29.90	29.99	
16	SCT	NC			10.00		70	49	58	47	10	27	29.70	29.79	16	CLR	NC			10.00	75	48	60	39	9	26	29.86	29.95	
19	CLR	NC			10.00		64	51	57	63	5	22	29.75	29.83	19	CLR	NC			10.00	67	49	57	53	6	24	29.90	29.98	
22	CLR	NC			10.00		58	52	55	81	6	22	29.78	29.87	22	CLR	NC			8.00	59	53	56	81	5	28	29.92	30.01	
					SUNRISE: 0544	SEP 15			SUNSET: 1810										SUNRISE: 0549	SEP 21									
01	FEW	NC			10.00		55	52	53	90	3	24	29.78	29.87	01	CLR	NC			10.00	54	51	52	90	0	00	29.93	30.02	
04	CLR	NC			10.00		58	51	54	78	0	00	29.76	29.85	04	CLR	NC			10.00	53	51	52	93	0	00	29.93	30.02	
07	CLR	NC			10.00		58	53	55	84	0	00	29.80	29.88	07	CLR	NC			9.00	54	52	53	93	3	32	29.95	30.03	
10	CLR	NC			10.00		70	49	58	47	14	25	29.83	29.91	10	CLR	NC			10.00	70	54	61	57	5	20	29.94	30.02	
13	FEW	NC			10.00		74	46	59	37	14	23	29.83	29.92	13	CLR	NC			10.00	76	58	65	54	6	VR	29.87	29.96	
16	OVC	065			10.00		74	48	59	40	14	27	29.81	29.90	16	SCT	NC			10.00	76	56	64	50	9	20	29.83	29.92	
19	CLR	NC			10.00		66	50	57	56	0	00	29.85	29.94	19	CLR	NC			10.00	69	62	65	78	9	16	29.82	29.91	
22	OVC	085			10.00		63	52	57	68	5	24	29.88	29.97	22	CLR	NC			10.00	64	55	59	73	7	18	29.81	29.90	
					SUNRISE: 0545	SEP 16			SUNSET: 1809										SUNRISE: 0550	SEP 22									
01	OVC	075			10.00		59	54	56	83	3	29	29.88	29.97	01	CLR	NC			10.00	64	58	60	81	9	17	29.78	29.86	
04	BKN	070			10.00		61	53	57	75	3	28	29.89	29.98	04	OVC	055			5.00	63	61	62	93	7	19	29.73	29.81	
07	CLR	NC			10.00		62	55	58	78	0	00	29.92	30.01	07	OVC	026			2.00	63	61	62	93	12	13	29.67	29.75	
10	BKN	100			10.00		69	59	63	70	10	16	29.92	30.00	10	OVC	016			10.00	64	62	63	93	9	18	29.64	29.73	
13	OVC	055			7.00	-RA	65	59	61	81	8	17	29.91	30.00	13	BKN	043			10.00	71	61	65	71	13	26	29.58	29.67	
16	OVC	028			5.00	-RA BR	62	60	61	93	3	16	29.88	29.97	16	CLR	NC			10.00	73	53	61	50	12	27	29.55	29.64	
19	OVC	007			3.00	RA BR	62	61	61	96	13	15	29.84	29.93	19	CLR	NC			10.00	64	55	59	73	9	29	29.58	29.67	
22	OVC	005			2.50	+RA BR	62	61	61	96	10	09	29.77	29.86	22	BKN	095			10.00	60	52	56	75	12	26	29.59	29.68	
					SUNRISE: 0546	SEP 17			SUNSET: 1807										SUNRISE: 0551	SEP 23									
01	OVC	005			5.00	-RA BR	62	61	61	96	15	06	29.67	29.76	01	CLR	NC			10.00	58	53	55	84	9	26	29.57	29.66	
04	OVC	007			9.00	-RA	64	62	63	93	6	04	29.58	29.64	04	OVC	085			10.00	58	53	55	84	9	24	29.55	29.64	
07	OVC	015			7.00		64	63	63	96	12	03	29.57	29.65	07	OVC	042			10.00	59	54	56	83	9	29	29.62	29.70	
10	OVC	006			6.00	BR	67	64	65	91	10	04	29.55	29.64	10	OVC	075			10.00	65	54	59	68	21	30	29.70	29.79	
13	OVC	006			5.00	BR	66	63	64	90	13	04	29.53	29.62	13	OVC	032			10.00	68	54	60	61	14	35	29.76	29.85	
16	OVC	006			4.00	BR					8	35	29.53	29.62	16	BKN	047			10.00	67	53	59	61	12	31	29.82	29.90	
19	OVC	021			10.00		62	59	60	90	12	33	29.57	29.66	19	CLR	NC			10.00	59	51	55	75	6	02	29.89	29.97	
22	OVC	016			3.00	-RA BR	59	57	58	93	9	31	29.61	29.70	22	CLR	NC			10.00	55	51	53	87	3	36	29.92	30.01	
					SUNRISE: 0547	SEP 18			SUNSET: 1805										SUNRISE: 0552	SEP 24									
01	OVC	037			10.00		58	55	56	90	14	32	29.63	29.72	01	CLR	NC			8.00	52	50	51	93	0	00	29.94	30.03	
04	OVC	035			10.00		58	55	56	90	12	32	29.64	29.72	04	BKN	032			8.00	50	48	49	93	5	33	29.93	30.01	
07	OVC	047			10.00		59	53	56	81	14	31	29.68	29.77	07	CLR	NC			5.00	52	50	51	93	0	00	29.94	30.03	
10	OVC	035			10.00		65	54	59	68	18	30	29.69	29.78	10	CLR	NC			10.00	57	47	52	69	6	10	29.92	30.01	
13	SCT</																												

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

SEPTEMBER 1996

ILG

WBAN # 13781

HOUR (LST)	≤ 12K FEET		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
01	CLR	NC			3.00	BR	57	56	56	96	9	30	29.83	29.92
04	CLR	NC			5.00	BR	54	52	53	93	6	28	29.87	29.96
07	FEW	NC			3.00	BR	54	53	53	97	5	28	29.94	30.03
10	FEW	NC			10.00		66	50	57	56	15	29	29.99	30.07
13	FEW	NC			10.00		68	47	57	47	15	28	29.98	30.06
16	CLR	NC			10.00		67	46	56	47	13	29	29.99	30.08
19	CLR	NC			10.00		61	48	54	63	3	34	30.06	30.14
22	BKN	070			10.00		54	51	52	90	3	30	30.12	30.21
SUNRISE: 0553 SEP 25 SUNSET: 1754														
01	CLR	NC			10.00		52	47	49	83	6	36	30.18	30.27
04	CLR	NC			10.00		50	46	48	86	0	00	30.19	30.28
07	CLR	NC			10.00		51	48	50	89	0	00	30.26	30.34
10	CLR	NC			10.00		61	51	56	70	6	VR	30.27	30.36
13	OVC	060			10.00		66	51	58	59	3	08	30.27	30.35
16	OVC	060			10.00		66	51	58	59	8	17	30.23	30.32
19	OVC	055			10.00		63	55	58	76	12	13	30.26	30.35
22	OVC	055			10.00		62	56	59	81	9	13	30.29	30.37
SUNRISE: 0554 SEP 26 SUNSET: 1752														
01	OVC	060			10.00		62	57	59	84	9	12	30.30	30.39
04	BKN	055			10.00		61	57	59	87	7	12	30.28	30.36
07	OVC	050			10.00		61	56	58	84	9	10	30.28	30.37
10	SCT	NC			10.00		64	58	60	81	8	10	30.28	30.37
13	OVC	055			10.00		70	60	64	71	16	16	30.25	30.33
16	CLR	NC			10.00		71	62	66	73	13	15	30.19	30.28
19	OVC	038			10.00		67	63	64	87	12	14	30.18	30.27
22	CLR	NC			10.00		68	64	66	87	14	15	30.17	30.26
SUNRISE: 0555 SEP 27 SUNSET: 1751														
01	CLR	NC			10.00		67	62	64	84	16	16	30.14	30.23
04	CLR	NC			10.00		67	63	64	87	14	15	30.09	30.17
07	BKN	047			10.00		68	64	66	87	15	16	30.06	30.15
10	BKN	026			10.00		73	66	69	79	21	15	30.00	30.09
13	BKN	060			10.00		76	68	71	77	18	15	29.91	30.00
16	OVC	028			6.00	-RA BR	72	68	69	87	20	16	29.85	29.94
19	OVC	026			10.00		71	68	69	90	14	16	29.83	29.92
22	OVC	024			2.50	+RA BR	58	56	57	93	7	32	29.92	30.01
SUNRISE: 0556 SEP 28 SUNSET: 1749														
01	BKN	090			10.00	-RA	58	55	56	90	8	28	29.96	30.04
04	OVC	070			10.00		57	56	56	96	0	00	29.97	30.06
07	CLR	NC			6.00	BR	57	55	56	93	6	29	30.02	30.11
10	CLR	NC			10.00		62	52	57	70	13	32	30.05	30.14
13	CLR	NC			10.00		65	50	57	59	8	30	30.03	30.11
16	CLR	NC			10.00		65	50	57	59	7	29	30.01	30.10
19	CLR	NC			10.00		57	50	53	78	3	27	30.06	30.15
22	CLR	NC			7.00		55	50	52	83	5	29	30.12	30.21
SUNRISE: 0557 SEP 29 SUNSET: 1748														
01	CLR	NC			10.00		53	31	43	43	3	24	30.14	30.23
04	CLR	NC			9.00		52	29	42	41	5	26	30.16	30.25
07	CLR	NC			6.00	HZ	52	30	43	43	6	29	30.23	30.32
10	CLR	NC			10.00		67	31	50	26	9	35	30.26	30.35
13	CLR	NC			10.00		73	51	61	46	0	00	30.26	30.35
16	CLR	NC			10.00		73	52	61	48	8	34	30.25	30.34
19	CLR	NC			10.00		65	55	59	70	0	00	30.28	30.37
22	CLR	NC			8.00		58	55	56	90	3	31	30.31	30.40
SUNRISE: 0558 SEP 30 SUNSET: 1746														

SUNRISE: SEP 31 SUNSET:

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR = 0, FEW = 1/8-2/8,SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 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.

HOUR (LST)	AVERAGES										RESULTANT	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			63	58	60	85	29.87	29.95	8.33	7	1	27
02			62	58	60	86	29.86	29.95	7.78	6	1	27
03			63	58	60	86	29.86	29.94	8.00	6	1	36
04			62	57	60	85	29.86	29.94	8.21	7	1	27
05			62	57	59	86	29.86	29.95	8.24	6	1	27
06			62	57	59	86	29.87	29.96	7.87	7	1	27
07			63	58	60	84	29.88	29.97	7.54	8	1	36
08			66	58	62	78	29.88	29.97	8.55	7	1	27
09			69	58	63	72	29.89	29.98	9.03	9	2	27
10			71	59	64	69	29.89	29.97	9.33	10	1	27
11			73	59	65	64	29.88	29.97	9.27	10	0	0
12			73	59	65	63	29.87	29.96	9.07	9	1	27
13			74	59	65	61	29.86	29.95	9.03	10	1	26
14			75	59	65	61	29.85	29.94	9.13	10	2	27
15			75	59	65	61	29.84	29.93	8.97	10	2	27
16			75	59	65	60	29.84	29.93	8.90	10	3	27
17			73	59	65	63	29.85	29.93	9.03	9	2	27
18			71	60	64	70	29.85	29.94	8.97	7	1	27
19			69	60	64	75	29.86	29.95	8.93	7	2	27
20			67	60	63	78	29.88	29.96	8.60	7	1	27
21			66	60	62	81	29.88	29.97	8.53	7	0	0
22			65	60	62	84	29.88	29.97	7.92	6	0	0
23			64	59	61	83	29.88	29.97	8.23	7	0	0
24			63	58	60	84	29.88	29.96	8.33	7	0	0

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.

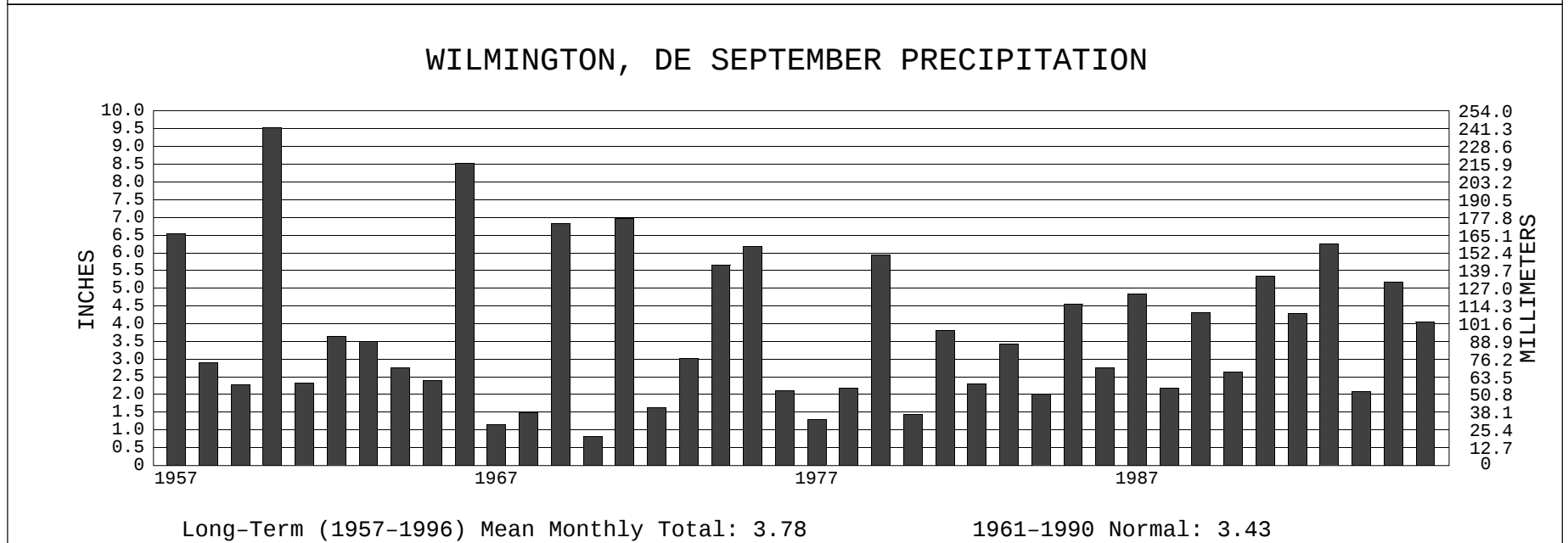
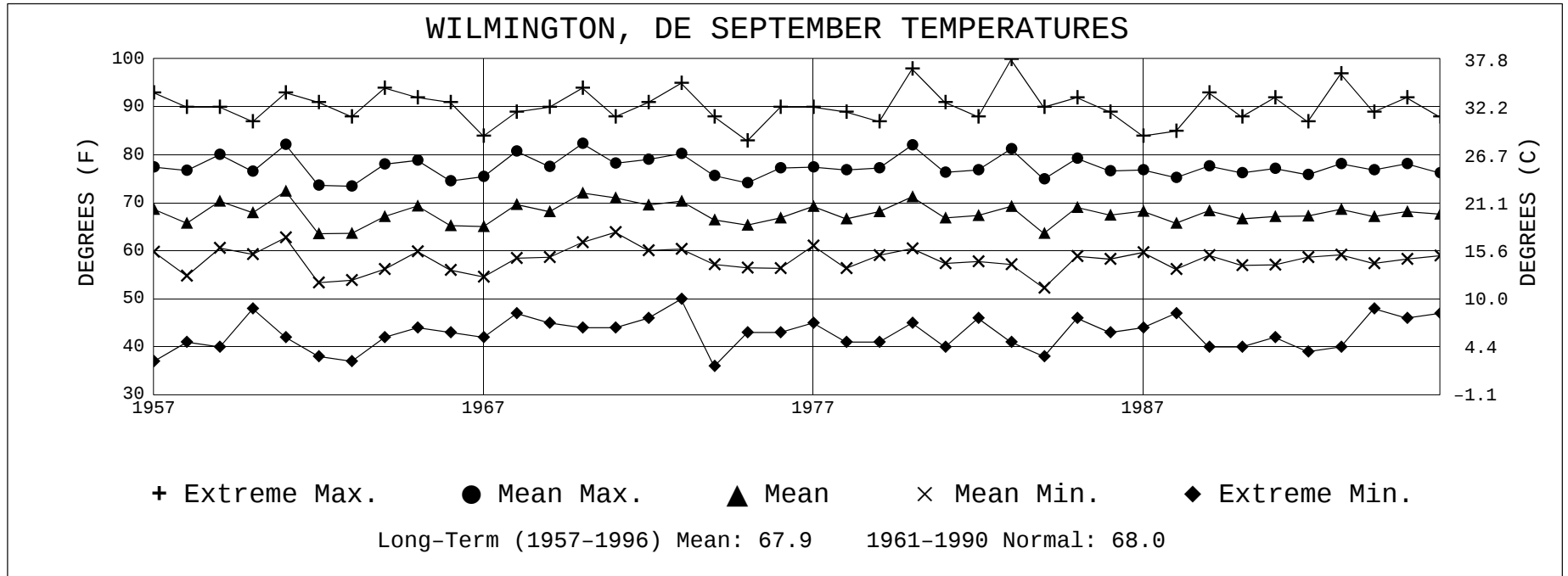
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No ceiling detected.

& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES										RESULTANT	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	WIND (MPH)	
							STATION	SEA LEVEL			SPEED	DIRECTION
01			63	58	60	85	29.87	29.95	8.33	7	1	27
02			62	58	60	86	29.86	29.95	7.78	6	1	27
03			63	58	60	86	29.86	29.94	8.00	6	1	36
04			62	57	60	85	29.86	29.94	8.21	7	1	27
05			62	57	59	86	29.86	29.95	8.24	6	1	27
06			62	57	59	86	29.87	29.96	7.87	7	1	27
07			63	58	60	84	29.88	29.97	7.54	8	1	36
08			66	58	62	78	29.88	29.97	8.55	7	1	27
09			69	58	63	72	29.89	29.98	9.03	9	2	27
10			71	59	64	69	29.89	29.97	9.33	10	1	27
11			73	59	65	64	29.88	29.97	9.27	10	0	0
12			73	59	65	63	29.87	29.96	9.07	9	1	27
13			74	59	65	61	29.86	29.95	9.03	10	1	26
14			75	59	65	61	29.85	29.94	9.13	10	2	27
15			75	59	65	61	29.84	29.93	8.97	10	2	27
16			75	59	65	60	29.84	29.93	8.90	10	3	27
17			73	59	65	63	29.85	29.93	9.03	9	2	27
18			71	60	64	70	29.85	29.94	8.97	7	1	27
19			69	60	64	75	29.86	29.95	8.93	7	2	27
20			67	60	63	78	29.88	29.96	8.60	7	1	27
21			66	60	62	81	29.88	29.97	8.53	7	0	0
22			65	60	62	84	29.88	29.97	7.92	6	0	0
23			64	59	61	83	29.88	29.97	8.23	7	0	0
24			63	58	60	84	29.88	29.96	8.33	7	0	0





**SEPTEMBER 1996
WILMINGTON, DE**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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Kenneth D Haden

DIRECTOR

NOTICE

Effective July 1, 1996, the National Weather Service & Federal Aviation Administration began using the METAR format for Hourly Observations.

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