



OCTOBER 1998

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): 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	81*	49	65	3	48	58	0	0	BR				0.00	29.73	29.82	9.9	29	12.6	41*	31	32*	31	01		
02	69	42	56	-6	35	46	9	0					0.00	30.00	30.09	7.6	28	8.3	28	26	23	27	02		
03	63	41	52	-9	42	48	13	0	RA BR				0.10	30.14	30.23	5.3	01	7.0	17	03	15	04	03		
04	55	50	53	-8	51	52	12	0	RA BR				0.35	30.18	30.27	11.4	03	12.2	23	05	18	04	04		
05	71	53	62	2	51	55	3	0					0.00	30.21	30.30	4.0	35	5.6	13	02	10	06	05		
06	67	48	58	-2	50	54	7	0					0.00	30.32	30.40	6.1	08	9.1	23	06	18	05	06		
07	67	58	63	4	54	58	2	0	RA				T	30.22	30.30	9.4	13	9.8	21	15	16	15	07		
08	70	64	67*	8	65	66	0	2	RA BR				0.69	29.90	29.98	5.6	17	9.8	24	17	18	18	08		
09	65	59	62	3	60	61	3	0	RA DZ BR				1.30	29.85	29.93	7.9	35	8.9	17	01	15	01	09		
10	64	56	60	2	54	57	5	0	RA BR				0.04	29.83	29.92	10.0	30	10.2	25	31	20	31	10		
11	74	53	64	6	52	57	1	0					0.00	29.97	30.05	8.7	32	9.8	24	32	18	33	11		
12	66	53	60	2	54	57	5	0					0.00	30.10	30.18	3.3	03	5.4	15	10	13	06	12		
13	67	58	63	6	57	59	2	0	RA BR				0.09	29.96	30.05	8.3	15	9.0	24	15	20	15	13		
14	66	48	57	1	47	53	8	0	RA BR				0.20	29.85	29.93	8.0	26	10.2	22	29	20	27	14		
15	64	44	54	-2	42	48	11	0					0.00	30.10	30.19	5.7	30	7.1	21	30	16	29	15		
16	66	41	54	-2	43	48	11	0	BR HZ				0.00	30.28	30.36	5.2	30	6.1	15	01	13	30	16		
17	68	42	55	-1	47	51	10	0	BR				0.00	30.25	30.33	1.3	20	3.5	10	16	9	16	17		
18	77	50	64	9	53	57	1	0	BR HZ				0.00	30.05	30.14	6.8	20	7.0	23	19	20	20	18		
19	73	50	62	7	50	56	3	0					0.00	29.96	30.04	7.1	28	8.0	22	28	17	27	19		
20	69	49	59	4	39	49	6	0					0.00	29.99	30.07	8.6	28	9.2	26	29	23	29	20		
21	62	39	51	-3	37	45	14	0					0.00	29.98	30.06	8.8	27	9.3	29	27	23	28	21		
22	54	38	46*	-8	33	41	19	0	RA				T	30.13	30.21	10.7	32	11.2	25	31	21	33	22		
23	62	36*	49	-5	35	43	16	0					0.00	30.23	30.31	7.1	27	8.1	21	29	18	29	23		
24	72	43	58	5	40	48	7	0					0.00	30.18	30.27	7.2	26	8.0	18	28	16	28	24		
25	73	43	58	5	39	48	7	0					0.00	30.12	30.21	5.9	28	6.9	17	29	15	29	25		
26	70	47	59	6	48	53	6	0					0.00	30.19	30.27	3.6	04	6.5	18	06	14	05	26		
27	63	49	56	4	51	54	9	0	HZ				0.00	30.23	30.32	4.9	07	6.1	14	05	11	07	27		
28	67	48	58	6	53	55	7	0	RA BR				0.03	29.86	29.95	5.1	21	8.1	25	29	21	21	28		
29	60	41	51	-1	38	46	14	0					0.00	29.84	29.92	11.3	31	11.7	32	31	24	34	29		
30	62	37	50	-1	34	43	15	0					0.00	29.81	29.89	9.3	29	9.7	26	29	22	28	30		
31	62	38	50	-1	33	42	15	0					0.00	29.86	29.95	9.5	31	10.1	24	29	21	31	31		
66.7		47.3	57.0	■ ■	46.3	51.9	7.8	0.1	< MONTHLY AVERAGES		TOTALS-->			2.80	30.04	30.13	3.6	30	8.5	<-- MONTHLY AVERAGES					
0.1		1.6	0.8	■ ■	<----- DEPARTURE FROM NORMAL ----->										-.08	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
DEGREE DAYS									GREATEST 24-HR PRECIPITATION: 1.34				DATE: 09-10				SEA LEVEL PRESSURE				DATE TIME				
MONTHLY									GREATEST 24-HR SNOWFALL:				DATE:				MAXIMUM				: 30.46 06 1109				
TOTAL DEPARTURE									GREATEST SNOW DEPTH:				DATE:				MINIMUM				: 29.68 01 0601				
HEATING: 241 -47									NUMBER OF DAYS WITH →				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH : 8				
COOLING: 2 -13													MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH : 5				
													THUNDERSTORMS : 0				HEAVY FOG : 0				SNOWFALL ≥ 1.0 INCH : :				

OCTOBER 1998
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

OCTOBER 1998

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												03	0.09		0.10	
04	0.03	0.01	0.05	0.08	0.02	0.01	0.03	0.07	0.03	T	T	0.01	04	T	0.01	T			T	0.01	T		0.04	0.03	0.02	04	0.36		0.35
05													05												05			0.00	
06													06												06			0.00	
07													07												07			T	
08													08	0.07	0.03	0.06	0.12	0.02	T	T	T	T	T		08			0.69	
09													09					0.10	0.15	0.75	0.26	0.04	0.03	T	09			1.30	
10		0.02		T	0.01	0.01		T	0.01				10												10			0.04	
11													11												11			0.00	
12													12												12			0.00	
13													13												13	0.01		0.09	
14	0.23	0.03	T	0.01									14						T						14	0.27		0.20	
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			0.00	
21													21												21			0.00	
22													22												22			T	
23			T										23												23			0.00	
24													24												24			0.00	
25													25												25			0.00	
26													26												26			0.00	
27													27												27			0.00	
28													28		0.01									T	T	28			0.03
29								T	0.02	T			29												29			0.00	
30													30												30			0.00	
31													31												31			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
OCTOBER 1998**

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.

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							4.00	10.00	
02							10.00	10.00	
03							5.00	10.00	
04							2.00	10.00	
05							7.00	10.00	
06							10.00	10.00	
07							9.00	10.00	
08							2.00	10.00	
09							1.75	10.00	
10							3.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							6.00	10.00	
14							5.00	10.00	
15							10.00	10.00	
16							6.00	10.00	
17							4.00	10.00	
18							2.00	10.00	
19							8.00	10.00	
20							10.00	10.00	
21							9.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							9.00	10.00	
28							4.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							7.31	10.00	
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 0 5 19									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

OCTOBER 1998

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: 0558						OCT 01						SUNSET: 1745						SUNRISE: 0604						OCT 07						SUNSET: 1736					
01	CLR	NC			6.00	BR	72	69	70	91	9	22	29.66	29.75	01	OVC	045			10.00	58	51	54	78	7	11	30.31	30.40							
04	CLR	NC			9.00		70	66	67	87	7	23	29.62	29.71	04	OVC	041			10.00	58	51	54	78	9	12	30.29	30.38							
07	OVC	005			4.00	BR	69	68	68	96	10	23	29.61	29.70	07	OVC	060			10.00	58	51	54	78	8	11	30.29	30.37							
10	SCT	NC			10.00		81	62	69	53	20	27	29.63	29.71	10	OVC	060			10.00	60	51	55	72	8	14	30.29	30.37							
13	CLR	NC			10.00		77	45	59	32	22	29	29.66	29.75	13	OVC	070			10.00	66	53	59	63	14	15	30.22	30.31							
16	CLR	NC			10.00		71	28	51	20	23	31	29.74	29.83	16	OVC	080			10.00	65	53	58	66	12	14	30.17	30.25							
19	CLR	NC			10.00		59	28	45	31	8	35	29.87	29.95	19	OVC	035			9.00	-RA	63	57	60	81	9	13	30.13	30.22						
22	CLR	NC			10.00		51	33	43	50	5	31	29.96	30.04	22	OVC	025			10.00	63	61	62	93	7	13	30.10	30.18							
SUNRISE: 0559						OCT 02						SUNSET: 1743						SUNRISE: 0605						OCT 08						SUNSET: 1734					
01	CLR	NC			10.00		48	32	41	54	5	24	29.97	30.06	01	OVC	065			10.00	66	63	64	90	15	16	30.01	30.10							
04	CLR	NC			10.00		45	31	39	58	6	30	29.97	30.06	04	BKN	060			10.00	66	63	64	90	12	15	29.97	30.06							
07	CLR	NC			10.00		46	35	41	66	7	25	30.01	30.09	07	OVC	036			10.00	67	64	65	91	9	17	29.94	30.03							
10	CLR	NC			10.00		62	34	49	35	13	24	30.01	30.10	10	OVC	039			8.00	-RA	69	65	66	87	9	15	29.91	29.99						
13	FEW	NC			10.00		68	32	51	26	17	26	29.97	30.06	13	OVC	014			3.00	RA BR	69	67	68	93	14	20	29.84	29.93						
16	CLR	NC			10.00		67	34	51	30	14	28	29.95	30.03	16	OVC	007			5.00	-RA BR	70	68	69	93	8	20	29.83	29.91						
19	CLR	NC			10.00		59	37	49	44	6	32	30.01	30.10	19	OVC	007			7.00		69	68	68	96	0	00	29.83	29.92						
22	CLR	NC			10.00		51	40	46	66	6	30	30.07	30.16	22	OVC	022			10.00	65	63	64	93	9	36	29.86	29.95							
SUNRISE: 0600						OCT 03						SUNSET: 1742						SUNRISE: 0606						OCT 09						SUNSET: 1732					
01	CLR	NC			10.00		45	41	43	86	6	31	30.09	30.18	01	OVC	033			10.00	64	62	63	93	6	31	29.85	29.94							
04	CLR	NC			10.00		43	39	41	86	3	31	30.10	30.19	04	OVC	013			10.00	62	60	61	93	8	35	29.86	29.94							
07	BKN	110			9.00		46	42	44	86	3	31	30.15	30.24	07	OVC	011			10.00	62	60	61	93	7	36	29.86	29.95							
10	CLR	NC			10.00		61	41	51	48	7	01	30.17	30.26	10	OVC	005			3.00	BR	62	61	61	96	8	34	29.88	29.96						
13	CLR	NC			10.00		62	41	52	46	5	VR	30.14	30.23	13	OVC	009			10.00	64	61	62	90	12	02	29.84	29.93							
16	CLR	NC			10.00		62	41	52	46	8	06	30.11	30.19	16	OVC	012			10.00	64	60	62	87	14	01	29.82	29.91							
19	OVC	110			10.00	-RA	56	45	50	67	10	02	30.14	30.23	19	OVC	006			2.50	+RA BR	60	59	59	96	8	25	29.84	29.92						
22	OVC	060			8.00	-RA	51	48	50	89	13	02	30.17	30.26	22	OVC	046			10.00	59	58	58	96	10	34	29.82	29.91							
SUNRISE: 0601						OCT 04						SUNSET: 1740						SUNRISE: 0607						OCT 10						SUNSET: 1731					
01	OVC	007			6.00	-RA BR	50	50	50	100	12	04	30.18	30.27	01	OVC	022			10.00	59	57	58	93	6	33	29.80	29.89							
04	OVC	009			5.00	-RA BR	50	49	49	96	13	05	30.16	30.25	04	OVC	018			7.00	-RA	58	57	57	97	5	31	29.80	29.88						
07	OVC	007			3.00	-RA BR	51	50	51	96	15	05	30.18	30.27	07	OVC	026			9.00		58	56	57	93	8	30	29.82	29.91						
10	OVC	007			5.00	-RA BR	54	52	53	93	17	04	30.21	30.30	10	OVC	016			10.00	61	57	59	87	12	31	29.82	29.91							
13	OVC	007			4.00	-RA BR	52	51	52	97	14	01	30.19	30.28	13	OVC	022			10.00	63	56	59	78	16	32	29.81	29.89							
16	OVC	005			8.00		54	52	53	93	12	01	30.16	30.25	16	OVC	032			10.00	64	54	58	70	16	31	29.82	29.90							
19	OVC	007			7.00	-RA	53	52	52	96	10	01	30.18	30.27	19	OVC	100			10.00	60	50	55	70	13	31	29.86	29.95							
22	OVC	014			10.00		54	53	53	97	7	35	30.19	30.28	22	CLR	NC			10.00	57	48	52	72	9	29	29.88	29.97							
SUNRISE: 0602						OCT 05						SUNSET: 1739						SUNRISE: 0608						OCT 11						SUNSET: 1729					
01	OVC	014			10.00		55	53	54	93	8	03	30.17	30.26	01	FEW	NC			10.00	56	48	52	75	12	29	29.88	29.97							
04	OVC	029			8.00		55	54	54	96	7	35	30.18	30.27	04	OVC	029			10.00	55	49	52	80	7	27	29.89	29.98							
07	OVC	022			7.00		56	53	54	90	3	36	30.21	30.30	07	CLR	NC			10.00	55	50	52	83	8	27	29.94	30.03							
10	OVC	026			10.00		61	51	56	70	9	04	30.23	30.31	10	CLR	NC			10.00	67	52	59	59	17	35	29.96	30.05							
13	BKN	085			10.00		69	45	56	42	5	36	30.20	30.28	13	SCT	NC			10.00	72	53	61	52	14	34	29.95	30.03							
16	CLR	NC			10.00		70	49	58	47	5	32	30.18	30.27	16	OVC	047			10.00	71	55	62	57	10	34	29.96	30.05							
19	CLR	NC			10.00		62	48	55	60	5	29	30.21	30.30	19	CLR	NC			10.00	63	53	57	70	9	34	30.03	30.11							
22	CLR	NC			10.00		56	50	53	81	6	29	30.24	30.33	22	CLR	NC			10.00	60	53	56	78	5	33	30.04	30.13							
SUNRISE: 0603						OCT 06						SUNSET: 1737						SUNRISE: 0609						OCT 12						SUNSET: 1728					
01	CLR	NC			10.00		53	49	51	86	6	36	30.26	30.35	01	BKN	080			10.00	56	52	54	87	5	32	30.05	30.14							
04	CLR	NC			10.00		50	47	48	89	6	01	30.27	30.36	04	BKN	090			10.00	54	52	53	93	5	32	30.07	30.16							
07	CLR	NC			10.00		54	46	50	75	14	05	30.33	30.42	07	OVC	050			10.00	57	53	55	87	8	36	30.11	30.20							
10	CLR	NC			10.00		62	48	55	60	14	05	30.38	30.46	10	OVC	021			10.00	62	53	57	73	9	05	30.14	30.22							
13	OVC	046			10.00		66	50	57	56	8	07	30.33	30.42	13	OVC	023			10.00	64	54	58	70	5	04	30.11	30.19							
16	OVC	046			10.00		65	54	59	68	9	17	30.29	30.38	16	OVC	044			10.00	64	55	59	73	5	00	30.09	30.18							
19	OVC	041			10.00		61	51	56	70	9	12	30.30	30.39	19	OVC	055			10.00	63	56	59	78	0	00	30.10	30.19							
22	OVC	047			10.00		59	50	54	72	7	09	30.32	30.41	22	OVC	028			10.00	60	57	58	90	7	12	30.10	30.18							

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

OCTOBER 1998

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: 0610	OCT 13			SUNSET: 1726										SUNRISE: 0617	OCT 19									
01	OVC	049			10.00	60	57	58	90	0	00	30.08	30.16	01	OVC	090				66	57	61	73	9	22	29.90	29.99		
04	OVC	055			8.00	58	57	57	97	3	04	30.04	30.13	04	CLR	NC				63	57	60	81	7	27	29.92	30.00		
07	OVC	035			9.00	59	56	57	90	6	09	30.03	30.12	07	CLR	NC				62	56	59	81	6	25	29.95	30.03		
10	OVC	048			10.00	63	58	60	84	7	14	30.02	30.10	10	CLR	NC				69	55	61	61	15	30	29.98	30.07		
13	BKN	012			10.00	65	58	61	78	13	13	29.95	30.04	13	CLR	NC				71	43	56	36	12	28	29.95	30.04		
16	OVC	029			10.00	64	57	60	78	15	15	29.90	29.98	16	CLR	NC				69	42	55	38	9	29	29.94	30.03		
19	OVC	017			10.00	63	57	60	81	15	14	29.89	29.97	19	CLR	NC				60	44	52	56	3	25	29.97	30.06		
22	OVC	025			10.00	63	58	60	84	15	15	29.86	29.95	22	CLR	NC				54	47	50	77	5	29	29.99	30.07		
					SUNRISE: 0611	OCT 14			SUNSET: 1725										SUNRISE: 0618	OCT 20									
01	OVC	075			7.00 +RA	61	59	60	93	13	17	29.82	29.90	01	CLR	NC				55	43	49	64	5	27	29.98	30.07		
04	OVC	009			10.00	60	59	59	96	3	20	29.78	29.87	04	CLR	NC				50	43	47	77	7	26	29.98	30.07		
07	SCT	NC			5.00 BR	59	56	57	90	10	28	29.80	29.88	07	CLR	NC				49	42	46	77	6	24	30.01	30.09		
10	CLR	NC			10.00	63	44	53	50	15	27	29.82	29.91	10	CLR	NC				63	42	52	47	14	28	30.01	30.10		
13	CLR	NC			10.00	66	41	53	40	15	27	29.80	29.89	13	CLR	NC				67	34	51	30	16	29	29.95	30.04		
16	CLR	NC			10.00	63	40	51	43	16	28	29.82	29.91	16	CLR	NC				67	34	51	30	15	30	29.94	30.02		
19	CLR	NC			10.00	56	40	48	55	7	27	29.91	29.99	19	CLR	NC				57	36	47	45	6	28	29.97	30.06		
22	CLR	NC			10.00	50	40	45	68	3	27	29.94	30.03	22	CLR	NC				52	38	45	59	7	28	30.00	30.09		
					SUNRISE: 0612	OCT 15			SUNSET: 1723										SUNRISE: 0619	OCT 21									
01	CLR	NC			10.00	48	41	45	77	6	30	29.97	30.05	01	CLR	NC				53	38	46	57	7	27	30.01	30.10		
04	CLR	NC			10.00	44	40	42	85	5	26	30.00	30.09	04	CLR	NC				50	38	44	63	7	25	29.99	30.08		
07	CLR	NC			10.00	46	41	44	83	7	23	30.06	30.15	07	CLR	NC				50	39	45	66	8	24	30.00	30.09		
10	CLR	NC			10.00	58	42	50	56	10	28	30.10	30.19	10	CLR	NC				55	40	48	57	12	27	30.00	30.09		
13	OVC	047			10.00	62	43	52	50	14	34	30.09	30.17	13	BKN	055				59	36	48	42	15	27	29.93	30.02		
16	SCT	NC			10.00	62	43	52	50	6	29	30.11	30.19	16	FEW	NC				59	33	47	38	14	29	29.92	30.01		
19	CLR	NC			10.00	55	44	50	67	5	34	30.17	30.25	19	CLR	NC				51	34	43	52	5	29	29.96	30.04		
22	CLR	NC			10.00	49	43	46	80	6	29	30.22	30.31	22	CLR	NC				46	37	42	71	0	00	29.99	30.07		
					SUNRISE: 0613	OCT 16			SUNSET: 1722										SUNRISE: 0620	OCT 22									
01	CLR	NC			10.00	48	42	45	80	3	28	30.24	30.33	01	OVC	100				42	39	41	89	7	01	29.99	30.08		
04	CLR	NC			10.00	46	41	44	83	3	28	30.28	30.37	04	OVC	055				46	38	42	73	7	33	30.02	30.11		
07	CLR	NC			6.00 BR	43	41	42	93	7	30	30.32	30.40	07	FEW	NC				43	32	38	65	12	32	30.08	30.17		
10	CLR	NC			10.00	59	43	51	56	7	34	30.33	30.42	10	CLR	NC				50	29	41	44	17	33	30.14	30.22		
13	CLR	NC			10.00	64	43	53	46	6	27	30.26	30.35	13	OVC	055				52	30	43	43	12	34	30.13	30.21		
16	CLR	NC			10.00	65	43	54	45	10	29	30.23	30.32	16	OVC	055				51	31	42	46	17	30	30.14	30.23		
19	CLR	NC			10.00	56	44	50	65	6	27	30.26	30.35	19	CLR	NC				47	32	41	56	10	31	30.18	30.27		
22	CLR	NC			9.00	50	44	47	80	6	30	30.27	30.36	22	CLR	NC				42	32	38	68	9	29	30.22	30.31		
					SUNRISE: 0615	OCT 17			SUNSET: 1721										SUNRISE: 0621	OCT 23									
01	CLR	NC			7.00	48	44	46	86	3	30	30.27	30.35	01	CLR	NC				41	32	37	70	3	29	30.25	30.33		
04	CLR	NC			7.00	45	42	44	90	5	32	30.27	30.36	04	CLR	NC				37	32	35	82	5	26	30.25	30.34		
07	CLR	NC			4.00 BR	44	42	43	93	5	29	30.30	30.38	07	CLR	NC				39	33	37	79	3	23	30.28	30.37		
10	CLR	NC			9.00	60	48	54	65	0	00	30.33	30.41	10	CLR	NC				55	36	46	49	15	31	30.27	30.36		
13	CLR	NC			10.00	65	46	55	51	0	00	30.25	30.33	13	CLR	NC				60	36	49	41	15	28	30.21	30.30		
16	CLR	NC			10.00	66	46	55	49	6	14	30.18	30.27	16	CLR	NC				61	34	48	36	12	27	30.18	30.27		
19	CLR	NC			10.00	60	48	54	65	6	19	30.20	30.29	19	CLR	NC				53	38	46	57	7	23	30.18	30.27		
22	CLR	NC			8.00	56	50	53	81	0	00	30.21	30.29	22	CLR	NC				49	38	44	66	5	26	30.20	30.28		
					SUNRISE: 0616	OCT 18			SUNSET: 1719										SUNRISE: 0622	OCT 24									
01	CLR	NC			7.00	55	50	52	83	0	00	30.18	30.27	01	CLR	NC				47	35	42	63	7	23	30.20	30.29		
04	CLR	NC			5.00 BR	53	50	51	89	0	00	30.15	30.24	04	CLR	NC				44	36	41	73	7	25	30.21	30.29		
07	CLR	NC			2.50 BR	51	50	51	96	3	17	30.14	30.23	07	CLR	NC				44	37	41	76	6	24	30.23	30.32		
10	CLR	NC			8.00	65	56	60	73	12	19	30.12	30.21	10	CLR	NC				64	40	52	41	13	30	30.23	30.32		
13	CLR	NC			10.00	76	54	63	47	10	21	30.03	30.12	13	CLR	NC				69	41	55	36	15	28	30.17	30.26		
16	CLR	NC			10.00	75	51	61	43	9	22	29.97	30.06	16	CLR	NC				70	40	55	34	10	26	30.13	30.22		
19	CLR	NC			10.00	67	53	59	61	10	19	29.97	30.05	19	CLR	NC				59	43	51	56	7	23	30.13	30.22		
22	CLR	NC			10.00	63	55	58	76	7	19	29.94	30.03	22	CLR	NC				52	45	49	77	3	28	30.14	30.22		

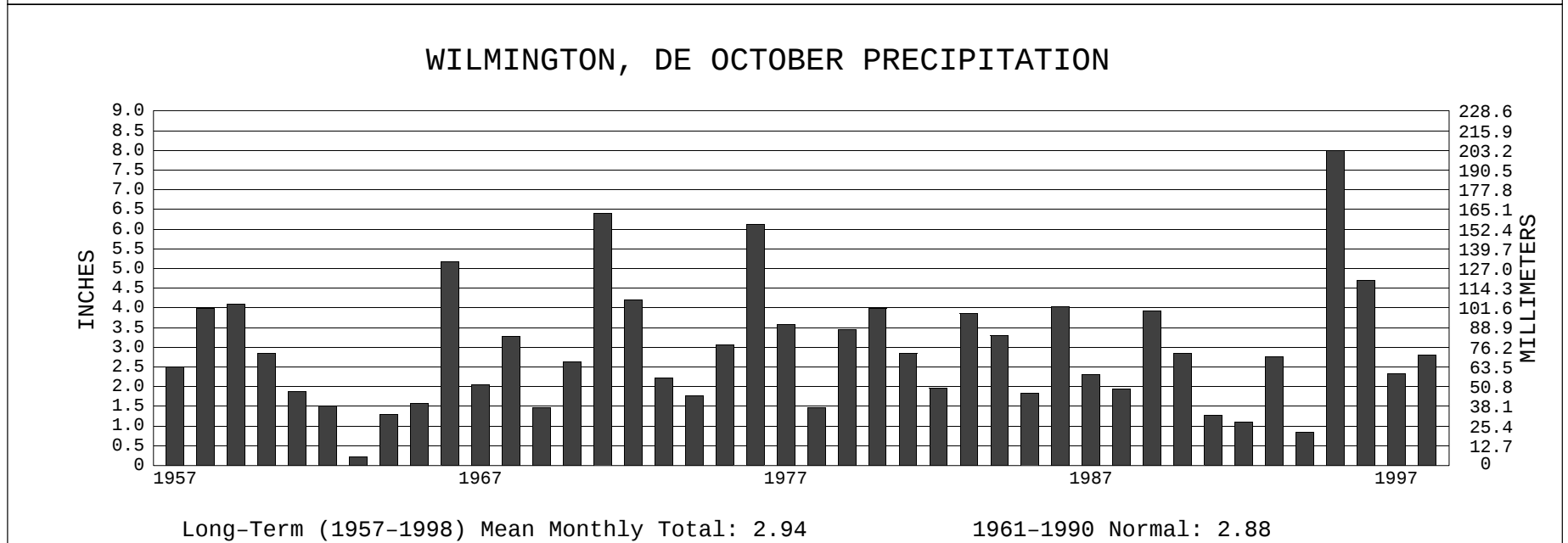
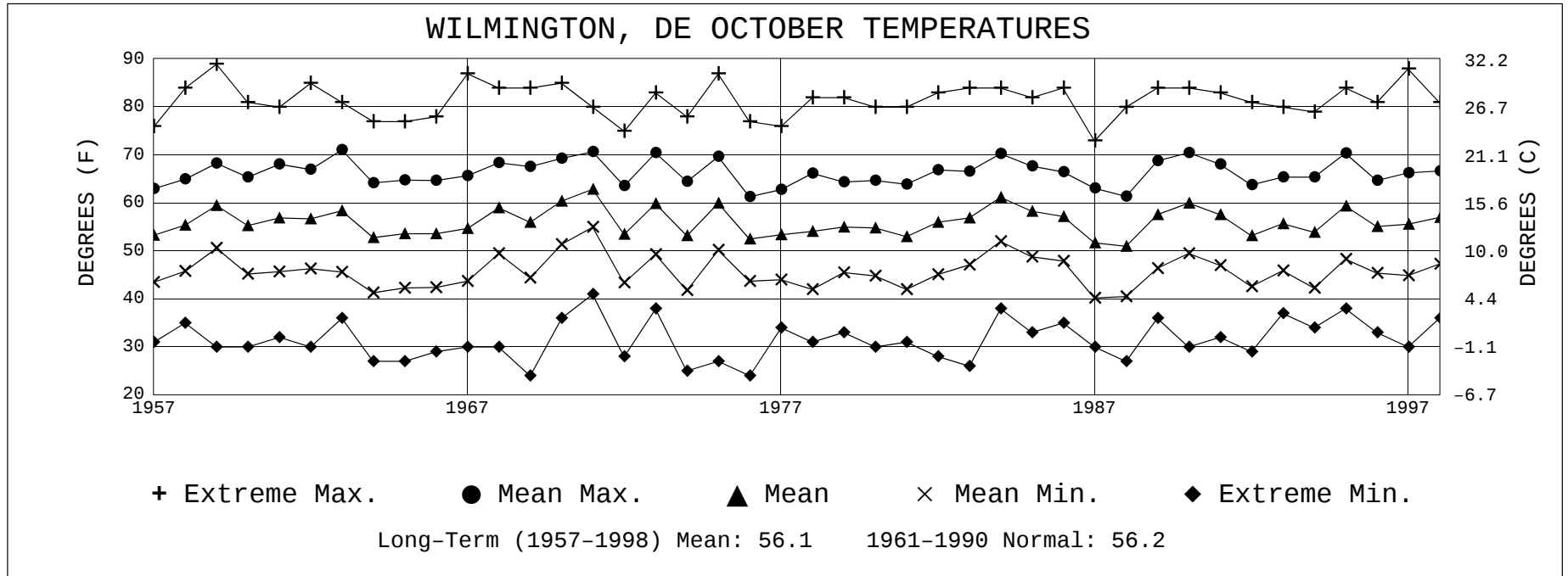
WILMINGTON, DE

OCTOBER 1998

ILG

WBAN # 13781

Hour (LST)				SATELLITE		Weather	Temperature ° F				Wind		Pressure (Inches,Hg)		Hour (LST)				SATELLITE		Weather	Temperature ° F				Wind		Pressure (Inches,Hg)								
	Sky Cover	Ceiling 100's Of Ft	Observation Time (LST)	Eff ClD AMT Okta's	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 Okta's	Visibility (Miles)		Dry Bulb	Dew Point	Wet Bulb	Relative Humidity (pct)	Speed (MPH)	Direction Tens Of Deg	Station	Sea Level							
01	CLR	NC			SUNRISE: 10.00	0623	0CT	25		SUNSET: 1710	50	42	46	74	5	25	30.13	30.22	01	CLR	NC			SUNRISE: 0630	0CT	31		SUNSET: 1702	46	29	39	51	12	31	29.78	29.87
04	CLR	NC			10.00						48	37	43	66	7	25	30.13	30.22	04	CLR	NC								43	30	38	60	10	31	29.79	29.88
07	CLR	NC			10.00						44	36	41	73	5	21	30.15	30.24	07	CLR	NC								40	30	36	68	7	28	29.84	29.92
10	CLR	NC			10.00						61	41	51	48	5	24	30.16	30.25	10	CLR	NC								53	33	44	47	9	32	29.86	29.95
13	CLR	NC			10.00						70	37	53	30	12	28	30.09	30.18	13	CLR	NC								60	35	48	39	20	31	29.82	29.91
16	CLR	NC			10.00						71	38	54	30	9	30	30.06	30.15	16	CLR	NC								60	34	48	38	14	31	29.84	29.93
19	CLR	NC			10.00						58	41	50	54	3	28	30.09	30.18	19	CLR	NC								48	34	42	58	8	01	29.90	29.99
22	CLR	NC			10.00						50	41	46	71	6	30	30.11	30.19	22	CLR	NC								46	36	42	68	3	35	29.95	30.04
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)	Ceilometer	Eff ClD AMT	Dry Bulb	Dew Point	Wet Bulb	Relative Humidity	Pressure (Inches,Hg)		Visibility (Miles)	Wind Speed (MPH)	Resultant Wind (MPH)																									
							Station	Sea Level			Speed	Direction																								
01			53	47	50	80	30.04	30.12	9.42	6	2	29																								
02			52	47	50	82	30.03	30.12	9.58	7	3	29																								
03			52	46	49	82	30.03	30.12	9.35	6	3	28																								
04			51	46	49	84	30.03	30.12	9.29	6	3	30																								
05			51	46	49	83	30.04	30.13	9.00	6	2	29																								
06			51	46	49	84	30.05	30.14	9.13	6	2	29																								
07			51	46	49	83	30.06	30.14	8.44	7	2	28																								
08			55	47	51	77	30.07	30.16	8.69	8	3	29																								
09			58	48	53	69	30.07	30.16	9.18	10	4	29																								
10			61	47	54	63	30.07	30.15	9.32	11	5	31																								
11			63	47	55	59	30.06	30.15	9.26	12	6	31																								
12			64	46	55	55	30.04	30.13	9.32	11	5	30																								
13			65	46	55	53	30.02	30.11	9.52	12	6	30																								
14			65	45	55	51	30.01	30.10	9.55	12	7	29																								
15			65	45	55	51	30.00	30.09	9.65	11	6	29																								
16			65	45	55	52	30.00	30.09	9.77	11	6	30																								
17			62	45	54	57	30.01	30.10	9.57	10	4	29																								
18			60	45	53	62	30.02	30.11	9.58	8	3	29																								
19			58	46	52	65	30.03	30.12	9.53	7	2	29																								
20			57	46	51	69	30.04	30.13	9.84	7	2	31																								
21			55	46	51	74	30.04	30.13	9.90	7	2	30																								
22			54	47	50	77	30.05	30.14	9.81	6	2	31																								
23			53	46	50	78	30.05	30.13	9.81	7	3	31																								
24			53	46	49	79	30.05	30.13	9.52	7	3	31																								





**OCTOBER 1998
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.

DIRECTOR

NOTICE

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

We welcome your questions or comments, please contact us at
704–271–4800 (voice), 704–271–4876 (fax),
704–271–4010(TDD)
or orders@ncdc.noaa.gov
Local Climatological Data is available at www.ncdc.noaa.gov

For address correction, please return a photocopy of this page to Subscription Services indicating changes

NATIONAL CLIMATIC DATA CENTER
151 PATTON AVE RM 120
ASHEVILLE, NC 28801 –5001

OFFICIAL BUSINESS, PENALTY FOR PRIVATE USE \$300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G–19