



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

**JUNE 2001
WILMINGTON, DE**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE

JUNE 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												T	01	T	T	0.01	T	0.04	0.07	0.15	0.02	0.16	0.08	0.01	T	01		0.54	
02		T			T	T		0.01	0.01	T		T	02													02		0.02	
03						T				0.01			03													03		0.01	
04													04													04		0.00	
05	T												05													05		T	
06											T	T	06	T									T	0.03	0.07	06		0.10	
07	T		T	T	T	T	T	T	T	T			07													07		T	
08													08													08		0.00	
09													09													09		0.00	
10													10													10		0.00	
11													11													11		0.54	
12													12										0.11	0.43		12		0.01	
13	T	0.01											13									T	0.01			13		0.01	
14													14													14		0.00	
15													15					T								15		T	
16								T	0.05	0.02	0.01	0.11	16	T	0.17	0.02	0.87	0.19	0.16	0.02	T	T	T			16		1.62	
17	T	0.45	0.30	0.32	0.03	0.03	0.02	0.01	T				17													17		1.16	
18													18													18		0.00	
19													19													19		0.00	
20													20													20		0.00	
21	T	T											21					0.05	0.01	T						21		0.06	
22													22	T	T											22		T	
23								T	T		0.14		23													23		0.20	
24				0.06									24													24		0.00	
25													25													25		0.00	
26													26													26		0.00	
27													27													27		0.00	
28													28													28		0.00	
29													29													29		0.00	
30													30	T		0.01	T									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)	.25	.39	.46	.56	.77	.84	.92	.96	1.04	1.10	1.20	1.23
Ending Date	17	17	17	16	16	16	16	16	16	16	16	16
Ending Time (Hour/Min)	0144	0148	0152	1525	1528	1539	1557	1559	1638	1655	1728	1748

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
JUNE 2001**

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.

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.00	10.00	
02							2.00	10.00	
03							.25	10.00	
04							10.00	10.00	
05							6.00	10.00	
06							4.00	10.00	
07							4.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							9.00	10.00	
11							1.00	10.00	
12							.25	8.00	
13							1.50	9.00	
14							.75	10.00	
15							5.00	10.00	
16							.75	9.00	
17							1.25	10.00	
18							9.00	10.00	
19							6.00	10.00	
20							2.50	10.00	
21							2.50	9.00	
22							8.00	10.00	
23							2.00	10.00	
24							10.00	10.00	
25							8.00	10.00	
26							6.00	10.00	
27							4.00	9.00	
28							4.00	7.00	
29							2.00	6.00	
30							1.75	10.00	
MONTHLY AVGS							4.70	9.57	
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 1 13 8									

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2001

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: 0437 JUN 01						SUNSET: 1924						SUNRISE: 0435 JUN 07						SUNSET: 1927											
01	CLR	NC			10.00	52	46	49	80	5	03	29.96	30.04	01	OVC	050			8.00	BR	63	61	62	93	0	00	29.87	29.96	
04	CLR	NC			10.00	48	45	47	89	3	01	29.94	30.03	04	OVC	055			6.00	-RA	63	62	62	97	0	00	29.83	29.91	
07	CLR	NC			10.00	58	39	49	50	9	07	29.94	30.03	07	BKN	110			10.00		64	54	58	70	6	01	29.85	29.94	
10	FEW	NC			10.00	65	49	56	56	6	13	29.91	30.00	10	OVC	075			10.00		66	53	59	63	6	11	29.84	29.93	
13	BKN	049			10.00	61	51	56	70	12	12	29.89	29.98	13	CLR	NC			10.00		74	52	61	46	7	03	29.82	29.91	
16					10.00	57	54	55	90	8	09	29.82	29.91	16	BKN	085			10.00		76	52	62	43	7	31	29.78	29.87	
19	OVC	021			4.00	56	55	55	97	5	07	29.77	29.85	19	CLR	NC			10.00		72	53	61	52	6	29	29.78	29.86	
22	OVC	005			4.00	59	59	59	100	9	07	29.66	29.75	22	CLR	NC			10.00		65	59	61	81	7	24	29.80	29.89	
SUNRISE: 0436 JUN 02						SUNSET: 1924						SUNRISE: 0435 JUN 08						SUNSET: 1928											
01	OVC	014			7.00	66	66	66	100	7	18	29.60	29.69	01	CLR	NC			10.00		60	58	59	93	7	26	29.80	29.89	
04	OVC	014			10.00	66	65	65	96	12	19	29.58	29.67	04	FEW	NC			10.00		56	52	54	87	8	31	29.80	29.89	
07	OVC	011			5.00	66	66	66	100	6	20	29.60	29.69	07	BKN	090			10.00		67	51	58	57	7	02	29.82	29.91	
10	OVC	040			5.00	67	63	64	87	6	35	29.61	29.70	10	CLR	NC			10.00		76	45	59	33	7	36	29.82	29.91	
13	OVC	033			10.00	70	59	63	68	8	31	29.61	29.70	13	SCT	NC			10.00		79	48	61	34	5	VR	29.80	29.89	
16	FEW	NC			10.00	73	60	65	64	3	34	29.57	29.66	16	BKN	080			10.00		78	50	62	37	10	32	29.76	29.85	
19	CLR	NC			9.00	69	61	64	76	3	15	29.57	29.66	19	CLR	NC			10.00		72	48	59	43	7	30	29.76	29.85	
22	OVC	110			6.00	66	64	65	93	7	16	29.56	29.65	22	CLR	NC			10.00		66	50	57	56	0	00	29.79	29.88	
SUNRISE: 0436 JUN 03						SUNSET: 1925						SUNRISE: 0435 JUN 09						SUNSET: 1929											
01	BKN	005			3.00	64	64	64	100	6	12	29.55	29.64	01	SCT	NC			10.00		60	50	55	70	0	00	29.79	29.88	
04	BKN	110			8.00	64	62	63	93	7	20	29.52	29.61	04	FEW	NC			10.00		56	47	51	72	6	32	29.79	29.88	
07	CLR	NC			10.00	65	59	61	81	13	26	29.58	29.66	07	CLR	NC			10.00		65	49	56	56	6	32	29.82	29.91	
10	BKN	100			10.00	69	51	59	53	16	25	29.61	29.70	10	CLR	NC			10.00		76	47	60	36	3	VR	29.82	29.91	
13	OVC	055			10.00	68	50	58	53	16	25	29.62	29.71	13	BKN	090			10.00		79	47	61	32	8	31	29.79	29.88	
16	OVC	065			10.00	68	49	57	51	18	27	29.68	29.77	16	FEW	NC			10.00		80	48	62	33	10	29	29.76	29.85	
19	CLR	NC			10.00	65	45	54	49	13	27	29.75	29.84	19	FEW	NC			10.00		75	51	61	43	7	23	29.78	29.86	
22	CLR	NC			10.00	59	47	53	64	7	24	29.80	29.89	22	CLR	NC			10.00		67	54	60	63	7	24	29.79	29.88	
SUNRISE: 0436 JUN 04						SUNSET: 1926						SUNRISE: 0434 JUN 10						SUNSET: 1929											
01	CLR	NC			10.00	55	48	51	77	8	23	29.80	29.89	01	CLR	NC			10.00		59	55	57	87	5	28	29.79	29.87	
04	CLR	NC			10.00	53	48	50	83	0	00	29.82	29.91	04	BKN	100			10.00		58	52	55	81	3	31	29.79	29.88	
07	CLR	NC			10.00	59	50	54	72	6	24	29.87	29.96	07	CLR	NC			10.00		65	53	58	66	6	31	29.83	29.92	
10	CLR	NC			10.00	68	52	59	57	10	26	29.90	29.99	10	CLR	NC			10.00		77	47	60	35	5	31	29.85	29.94	
13	FEW	NC			10.00	73	50	60	44	14	29	29.89	29.98	13	CLR	NC			10.00		78	49	61	36	7	27	29.84	29.92	
16	SCT	NC			10.00	74	50	60	43	13	29	29.89	29.98	16	FEW	NC			10.00		80	51	63	37	12	26	29.79	29.88	
19	CLR	NC			10.00	69	51	59	53	6	27	29.89	29.98	19	CLR	NC			10.00		76	53	63	45	6	23	29.80	29.89	
22	OVC	120			10.00	67	54	60	63	0	00	29.92	30.00	22	BKN	080			10.00		72	55	62	55	0	00	29.83	29.92	
SUNRISE: 0435 JUN 05						SUNSET: 1926						SUNRISE: 0434 JUN 11						SUNSET: 1930											
01	OVC	060			10.00	64	57	60	78	3	19	29.90	29.99	01	CLR	NC			10.00		69	58	62	68	6	23	29.82	29.91	
04	OVC	070			10.00	62	59	60	90	7	17	29.91	30.00	04	CLR	NC			10.00		65	59	61	81	3	16	29.81	29.90	
07	OVC	070			6.00	66	59	62	78	6	30	29.95	30.04	07	CLR	NC			10.00		69	61	64	76	7	22	29.83	29.92	
10	CLR	NC			10.00	71	53	61	53	6	VR	29.96	30.05	10	CLR	NC			9.00		80	64	70	58	12	21	29.82	29.91	
13	FEW	NC			10.00	77	56	64	48	8	26	29.93	30.01	13	CLR	NC			10.00		83	59	68	44	15	20	29.76	29.84	
16	CLR	NC			10.00	78	55	64	45	6	26	29.91	30.00	16	CLR	NC			9.00		82	62	69	51	14	21	29.71	29.80	
19	CLR	NC			10.00	74	57	64	56	5	22	29.91	29.99	19	CLR	NC			7.00		80	64	70	58	13	21	29.70	29.79	
22	CLR	NC			9.00	70	61	64	73	3	26	29.93	30.01	22	OVC	039		+RA	2.50		75	67	70	76	0	00	29.73	29.81	
SUNRISE: 0435 JUN 06						SUNSET: 1927						SUNRISE: 0434 JUN 12						SUNSET: 1930											
01	FEW	NC			6.00	65	62	63	90	5	31	29.91	30.00	01	CLR	NC			1.50	BR	67	67	67	100	0	00	29.71	29.80	
04	OVC	055			10.00	67	56	61	68	0	00	29.91	30.00	04	CLR	NC			2.00	BR	64	64	64	100	5	30	29.71	29.80	
07	BKN	085			10.00	68	55	61	63	9	02	29.94	30.03	07	CLR	NC			3.00	BR	69	66	67	90	0	00	29.75	29.84	
10	FEW	NC			10.00	72	54	61	53	5	01	29.94	30.02	10	CLR	NC			6.00	HZ	77	66	70	69	5	36	29.77	29.85	
13	CLR	NC			10.00	72	59	64	64	9	36	29.93	30.02	13	FEW	NC			7.00		81	68	72	65	10	14	29.75	29.83	
16	OVC	065			10.00	73	58	64	59	7	31	29.89	29.98	16	SCT	NC			6.00	HZ	81	70	74	69	16	15	29.70	29.79	
19	FEW	NC			9.00	71	58	63	63	0	00	29.87	29.96	19	CLR	NC			4.00	HZ	77	70	72	79	8	15	29.72	29.80	
22	OVC	060			10.00	68	59	63	73	5	28	29.89	29.97	22	BKN	080			3.00	BR	74	72	73	94	5	25	29.74	29.83	

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2001

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 <i>Okta</i>		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 <i>Okta</i>	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL						
SUNRISE: 0434						JUN 13						SUNSET: 1931						SUNRISE: 0435						JUN 19						SUNSET: 1933					
01	SCT	NC			7.00	-RA	71	69	70	94	3	21	29.76	29.85	01	CLR	NC			10.00	69	63	65	81	0	00	30.15	30.24							
04	CLR	NC			3.00	BR	69	69	69	100	0	00	29.76	29.84	04	CLR	NC			8.00	66	62	64	87	0	00	30.14	30.23							
07	CLR	NC			6.00	HZ	75	68	70	79	0	00	29.81	29.89	07	CLR	NC			7.00	71	65	67	81	0	00	30.18	30.26							
10	CLR	NC			6.00	HZ	82	69	73	65	0	00	29.83	29.92	10	CLR	NC			8.00	81	67	72	62	10	21	30.19	30.28							
13	CLR	NC			9.00		86	69	74	57	7	15	29.83	29.91	13	CLR	NC			10.00	84	65	72	53	12	21	30.16	30.24							
16	CLR	NC			8.00		88	70	76	55	7	18	29.81	29.89	16	CLR	NC			9.00	83	69	74	63	16	15	30.10	30.19							
19	FEW	NC			4.00	HZ	81	72	75	74	9	15	29.84	29.93	19	CLR	NC			10.00	77	60	67	56	15	16	30.11	30.19							
22	CLR	NC			4.00	HZ	76	71	73	85	12	08	29.91	29.99	22	CLR	NC			10.00	73	69	70	87	7	15	30.12	30.20							
SUNRISE: 0434						JUN 14						SUNSET: 1931						SUNRISE: 0435						JUN 20						SUNSET: 1933					
01	CLR	NC			4.00	BR	73	69	70	87	6	06	29.90	29.99	01	CLR	NC			10.00	71	64	67	79	6	21	30.11	30.19							
04	OVC	006			2.50	BR	71	69	70	94	6	06	29.92	30.01	04	CLR	NC			6.00	68	66	67	93	0	00	30.09	30.18							
07	OVC	002			0.75	BR	69	69	69	100	7	06	29.98	30.07	07	CLR	NC			4.00	72	69	70	91	6	16	30.09	30.18							
10	OVC	008			2.00	BR	73	69	70	87	6	VR	30.02	30.11	10	CLR	NC			6.00	81	70	74	69	8	20	30.07	30.16							
13	CLR	NC			5.00	HZ	82	70	74	67	5	VR	30.00	30.09	13	CLR	NC			6.00	86	70	75	59	13	19	30.04	30.12							
16	CLR	NC			8.00		82	73	76	74	15	15	29.97	30.06	16	CLR	NC			6.00	87	69	75	55	12	20	29.98	30.06							
19	CLR	NC			10.00		78	71	73	79	13	15	29.98	30.06	19	FEW	NC			9.00	77	62	68	60	8	30	30.02	30.11							
22	CLR	NC			10.00		74	71	72	91	6	09	30.01	30.10	22	CLR	NC			10.00	76	65	69	69	5	20	30.05	30.13							
SUNRISE: 0434						JUN 15						SUNSET: 1931						SUNRISE: 0435						JUN 21						SUNSET: 1933					
01	OVC	004			7.00		72	71	71	97	7	07	30.00	30.08	01	BKN	055			7.00	71	65	67	81	7	31	30.04	30.12							
04	OVC	008			8.00		72	71	71	97	9	05	29.97	30.05	04	CLR	NC			7.00	71	66	68	84	0	00	30.01	30.09							
07	OVC	008			7.00		74	71	72	91	13	06	29.98	30.06	07	FEW	NC			4.00	72	68	69	87	5	31	30.04	30.13							
10	OVC	024			9.00		78	72	74	82	13	06	29.99	30.07	10	CLR	NC			5.00	79	67	71	67	8	07	30.04	30.12							
13	SCT	NC			10.00		82	73	76	74	14	10	29.96	30.04	13	SCT	NC			4.00	82	71	75	69	5	VR	30.00	30.09							
16	SCT	NC			9.00		82	72	75	72	13	11	29.92	30.00	16	BKN	025			7.00	78	66	70	67	18	09	29.98	30.07							
19	FEW	NC			10.00		79	71	74	77	8	13	29.91	29.99	19	BKN	006			2.50	73	72	72	96	10	07	29.97	30.06							
22	CLR	NC			10.00		75	72	73	90	8	07	29.90	29.98	22	BKN	039			5.00	72	71	71	97	9	09	29.98	30.07							
SUNRISE: 0434						JUN 16						SUNSET: 1932						SUNRISE: 0435						JUN 22						SUNSET: 1934					
01	OVC	009			7.00		74	72	73	94	12	07	29.88	29.96	01	BKN	016			9.00	73	70	71	90	9	12	29.97	30.06							
04	OVC	009			7.00		74	73	73	97	13	04	29.85	29.93	04	BKN	020			8.00	70	69	69	97	7	11	29.93	30.02							
07	OVC	008			5.00	BR	75	73	74	94	14	05	29.86	29.94	07	OVC	016			10.00	72	69	70	91	8	12	29.93	30.02							
10	OVC	008			5.00	BR	76	75	75	97	8	04	29.86	29.95	10	OVC	024			10.00	77	71	73	82	16	16	29.93	30.01							
13	OVC	025			6.00	-RA	79	74	75	85	7	09	29.83	29.91	13	CLR	NC			10.00	81	71	74	72	18	14	29.88	29.96							
16	OVC	017			3.00	RA	73	73	73	100	8	35	29.82	29.91	16	SCT	NC			10.00	82	68	73	63	17	12	29.84	29.93							
19	BKN	095			8.00	RA	74	73	73	97	6	35	29.82	29.91	19	FEW	NC			10.00	76	68	71	77	10	13	29.86	29.95							
22	OVC	070			8.00		72	72	72	100	7	36	29.83	29.92	22	SCT	NC			10.00	73	71	72	94	9	12	29.87	29.96							
SUNRISE: 0434						JUN 17						SUNSET: 1932						SUNRISE: 0435						JUN 23						SUNSET: 1934					
01	OVC	018			10.00	-RA	71	70	70	96	13	34	29.80	29.89	01	BKN	024			10.00	72	71	71	97	9	07	29.83	29.92							
04	OVC	046			7.00	RA	68	67	67	96	13	34	29.79	29.88	04	BKN	013			8.00	73	72	72	96	8	14	29.80	29.88							
07	OVC	045			10.00	-RA	66	64	65	93	10	35	29.84	29.93	07	OVC	095			8.00	73	70	71	90	6	19	29.83	29.92							
10	CLR	NC			10.00		72	63	66	73	14	32	29.85	29.94	10	BKN	017			6.00	77	72	74	85	13	17	29.84	29.93							
13	CLR	NC			10.00		82	58	67	44	15	32	29.85	29.94	13	BKN	047			9.00	80	70	73	71	14	19	29.83	29.91							
16	CLR	NC			10.00		84	61	69	46	17	30	29.86	29.94	16	FEW	NC			8.00	77	68	71	74	10	22	29.84	29.93							
19	FEW	NC			10.00		81	63	69	54	5	25	29.90	29.99	19	BKN	075			10.00	73	64	67	74	10	28	29.88	29.97							
22	CLR	NC			10.00		72	63	66	73	8	31	29.98	30.06	22	BKN	120			10.00	69	60	64	73	10	34	29.94	30.03							
SUNRISE: 0434						JUN 18						SUNSET: 1933						SUNRISE: 0436						JUN 24						SUNSET: 1934					
01	CLR	NC			10.00		65	58	61	78	7	30	30.00	30.09	01	SCT	NC			10.00	66	61	63	84	6	31	29.97	30.05							
04	CLR	NC			10.00		62	58	60	86	6	30	30.05	30.14	04	CLR	NC			10.00	63	59	61	87	10	32	29.97	30.06							
07	CLR	NC			10.00		70	60	64	71	5	31	30.13	30.21	07	CLR	NC			10.00	64	57	60	78	8	32	30.02	30.10							
10	CLR	NC			10.00		78	54	64	43	8	34	30.15	30.24	10	SCT	NC			10.00	71	59	64	66	9	32	30.04	30.13							
13	CLR	NC			10.00		81	53	64	38	6	32	30.13	30.22	13	FEW	NC			10.00	74	60	65	62	12	36	30.05	30.13							
16	CLR	NC			10.00		82	55	66	40	6	31	30.11	30.20	16	BKN	042			10.00	77	61	67	58	8	01	30.02	30.11							
19	CLR	NC			10.00		80	57	66	45	0	00	30.13	30.21	19	CLR	NC			10.00	74	60	65	62	6	32	30.03	30.12							
22	CLR	NC			10.00		74	61	66	64	0	00	30.15	30.24	22	CLR	NC			10.00	68	61	64	78	0	00	30.07	30.16							

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE

JUNE 2001

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)			
			OBSERVATION TIME (LST)	EFF CLD AMT Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION		SEA LEVEL	OBSERVATION TIME (LST)	EFF CLD AMT Okta	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
	SKY COVER	CEILING 100'S OFFT													SKY COVER	CEILING 100'S OFFT													
					SUNRISE: 0436	JUN 25			SUNSET: 1934										SUNRISE:	JUN 31			SUNSET:						
01	CLR	NC			9.00		64	61	62	90	5	31	30.08	30.17															
04	CLR	NC			9.00		61	59	60	93	5	29	30.09	30.17															
07	CLR	NC			9.00		71	60	64	68	7	35	30.13	30.22															
10	FEW	NC			10.00		78	57	65	48	9	01	30.16	30.24															
13	CLR	NC			10.00		82	59	68	46	8	31	30.14	30.23															
16	CLR	NC			10.00		83	56	66	40	7	VR	30.12	30.21															
19	CLR	NC			10.00		77	59	66	54	6	30	30.13	30.22															
22	CLR	NC			10.00		72	60	65	66	5	27	30.17	30.26															
					SUNRISE: 0436	JUN 26				SUNSET: 1934																			
01	CLR	NC			9.00		66	62	64	87	3	32	30.19	30.27															
04	CLR	NC			9.00		62	60	61	93	5	31	30.20	30.29															
07	CLR	NC			6.00	HZ	71	62	66	73	5	29	30.25	30.33															
10	CLR	NC			10.00		82	60	68	47	0	00	30.26	30.34															
13	CLR	NC			10.00		85	60	69	43	0	00	30.24	30.32															
16	CLR	NC			10.00		86	60	70	42	9	27	30.21	30.29															
19	CLR	NC			9.00		82	63	70	53	9	22	30.21	30.29															
22	CLR	NC			7.00		76	66	70	72	7	25	30.23	30.32															
					SUNRISE: 0437	JUN 27				SUNSET: 1934																			
01	CLR	NC			5.00	BR	72	68	69	87	5	27	30.23	30.31															
04	CLR	NC			5.00	BR	70	66	67	87	7	25	30.24	30.32															
07	CLR	NC			5.00	HZ	75	66	69	74	9	28	30.26	30.35															
10	CLR	NC			7.00		84	67	73	57	6	29	30.24	30.32															
13	CLR	NC			9.00		88	63	72	43	7	30	30.19	30.27															
16	CLR	NC			8.00		89	64	73	43	9	30	30.13	30.22															
19	CLR	NC			6.00	HZ	85	69	74	59	8	22	30.11	30.19															
22	CLR	NC			6.00	HZ	79	72	74	79	7	24	30.12	30.20															
					SUNRISE: 0437	JUN 28				SUNSET: 1934																			
01	CLR	NC			5.00	BR	76	72	73	88	7	24	30.11	30.19															
04	CLR	NC			5.00	BR	74	70	71	88	5	26	30.08	30.16															
07	CLR	NC			4.00	HZ	77	69	72	77	5	32	30.10	30.18															
10	CLR	NC			7.00		87	67	74	51	9	33	30.09	30.17															
13	CLR	NC			6.00	HZ	90	67	74	47	13	29	30.05	30.13															
16	FEW	NC			6.00	HZ	89	66	74	47	10	32	30.01	30.10															
19	CLR	NC			5.00	HZ	84	69	74	61	6	33	30.00	30.09															
22	CLR	NC			6.00	HZ	79	67	71	67	3	25	30.03	30.11															
					SUNRISE: 0438	JUN 29				SUNSET: 1934																			
01	CLR	NC			4.00	BR	73	69	70	87	7	03	30.02	30.11															
04	CLR	NC			2.50	BR	71	67	68	87	6	01	30.01	30.09															
07	CLR	NC			3.00	HZ	78	70	73	76	0	00	30.05	30.14															
10	CLR	NC			5.00	HZ	84	69	74	61	5	14	30.05	30.14															
13	CLR	NC			5.00	HZ	87	70	75	57	9	14	30.01	30.09															
16	CLR	NC			5.00	HZ	86	70	75	59	14	16	29.96	30.04															
19	CLR	NC			5.00	HZ	81	73	75	77	13	15	29.96	30.04															
22	CLR	NC			4.00	BR	79	76	77	90	7	15	29.97	30.05															
					SUNRISE: 0438	JUN 30				SUNSET: 1934																			
01	FEW	NC			4.00	HZ	77	71	73	82	5	21	29.95	30.04															
04	CLR	NC			3.00	BR	75	71	72	88	3	21	29.93	30.01															
07	CLR	NC			2.00	BR	78	75	76	90	6	23	29.94	30.03															
10	CLR	NC			6.00	HZ	87	71	76	59	7	28	29.92	30.00															
13	FEW	NC			6.00	HZ	90	70	76	52	10	22	29.88	29.96															
16	CLR	NC			7.00		82	71	75	69	5	24	29.83	29.92															
19	CLR	NC			8.00		82	71	75	69	13	23	29.82	29.91															
22	CLR	NC			10.00		77	71	73	82	6	23	29.84	29.93															

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.

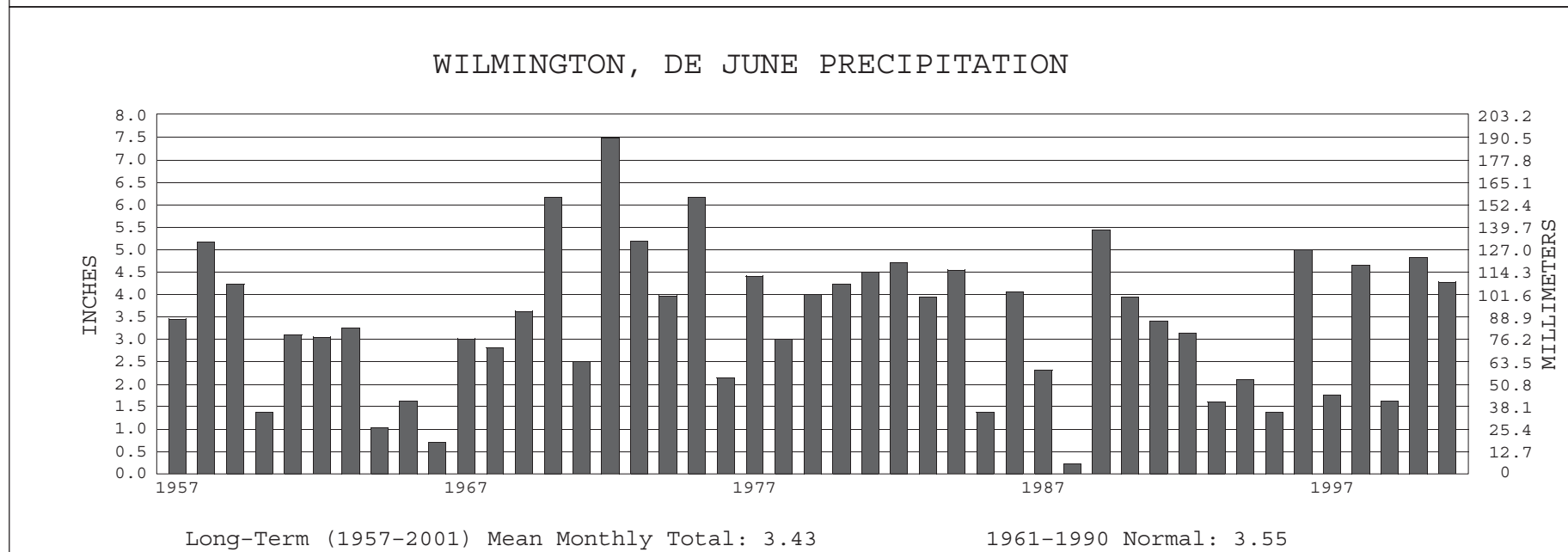
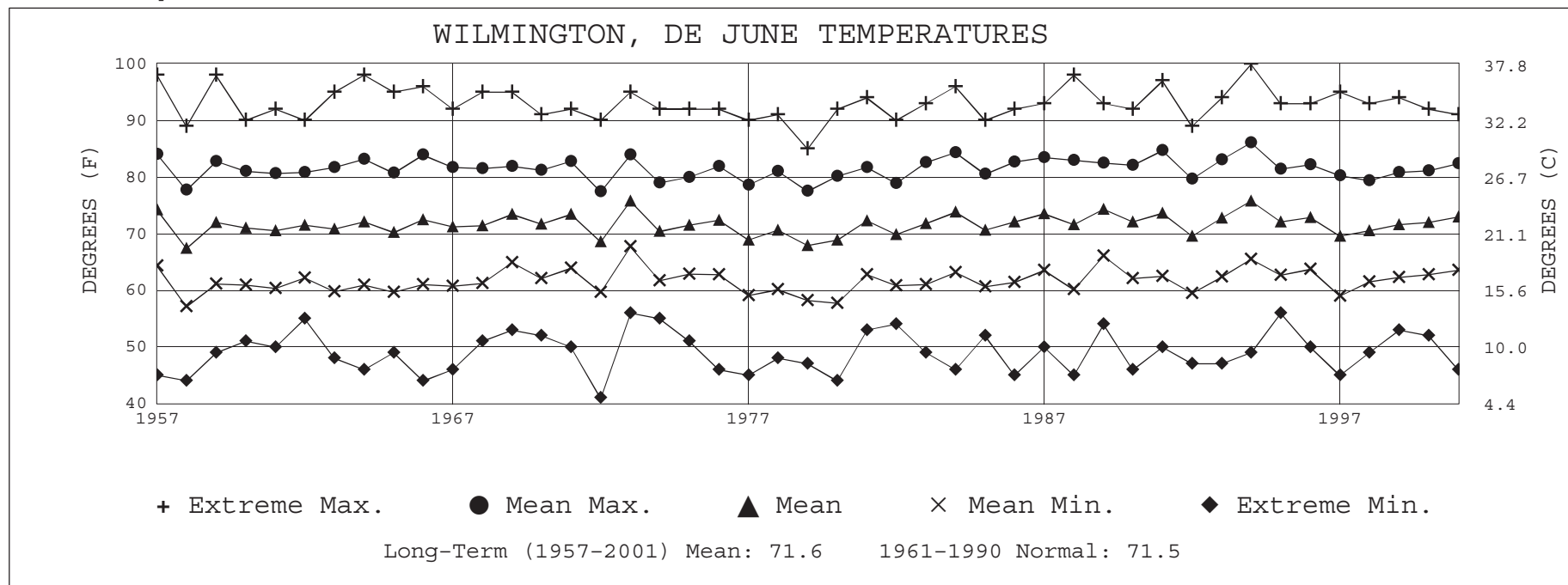
See page 3 for additional notes.

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)		
							STATION	SEA LEVEL				
01			67	63	65	87	29.92	30.00	7.75	6	1	30
02			67	63	64	87	29.91	30.00	7.38	5	1	29
03			66	63	64	90	29.91	29.99	7.28	5	1	32
04			65	62	63	90	29.91	29.99	7.47	5	1	32
05			65	62	63	90	29.92	30.00	6.62	6	2	32
06			67	63	64	87	29.93	30.02	6.59	5	1	35
07			69	62	65	79	29.94	30.03	7.16	6	2	34
08			72	62	66	71	29.95	30.03	7.35	8	2	34
09			74	62	67	66	29.94	30.03	7.78	7	1	33
10			76	61	67	62	29.95	30.03	8.07	7	1	30
11			78	61	68	59	29.94	30.03	8.37	8	2	27
12			79	62	68	57	29.93	30.02	8.57	8	3	27
13			80	61	68	55	29.92</					

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW =





**JUNE 2001
WILMINGTON, DE**

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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