



DECEMBER 2010

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

WILMINGTON, DE

NEW CASTLE COUNTY AIRPORT (KILG)

Lat:39 ° 40'N Long: 75 ° 36'W Elev (Ground) 75 Feet

Time Zone : EASTERN

WBAN: 13781 ISSN#: 0198-117X



Date	Temperature °F						Deg Days BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		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													
																			3-SEC		2-MIN											
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	60*	35	48	7	42	46	17	0	RA FG BR	0		0.0	0.91	29.73	29.82	6.7	20	20.1	46	14	35	15	01									
02	42	29	36	-4	22	31	29	0		0		0.0	0.00	30.03	30.13	9.0	30	9.7	31	28	23	29	02									
03	42	29	36	-4	20	30	29	0		0		0.0	0.00	29.98	30.07	8.5	31	8.6	22	33	18	33	03									
04	41	28	35	-5	22	30	30	0		0		0.0	0.00	29.85	29.91	10.4	30	10.8	26	31	23	31	04									
05	38	30	34	-5	17	28	31	0	SN	0		T	T	29.67	29.77	14.7	31	15.5	37	32	29	32	05									
06	37	28	33	-6	16	27	32	0	SN	0		T	T	29.59	29.67	16.4	28	16.6	39	26	31	28	06									
07	36	28	32	-7	14	26	33	0		0		0.0	0.00	29.59	29.71	17.3	28	17.6	35	30	28	29	07									
08	36	23	30	-9	11	23	35	0		0		0.0	0.00	29.88	30.01	11.2	28	11.9	31	30	24	30	08									
09	34	21	28	-10	12	23	37	0	HZ	0		0.0	0.00	30.19	30.30	7.3	29	8.1	29	30	23	29	09									
10	35	19	27	-11	20	26	38	0	SN	0		T	T	30.27	30.35	1.4	13	2.3	15	17	12	18	10									
11	44	22	33	-5	27	32	32	0	RA BR HZ	0		0.0	0.08	30.14	30.21	1.8	05	2.3	14	06	12	06	11									
12	56	40	48*	11	47	48	17	0	RA BR	0		0.0	1.07	29.52	29.52	6.3	15	11.4	40	15	30	14	12									
13	43	20	32	-5	19	28	33	0	RA SN	0		T	T	29.21	29.34	18.6	30	18.7	40	28	31	29	13									
14	28	18	23	-14	7	18	42	0	SN	0		T	T	29.54	29.66	18.9	30	19.1	40	31	33	30	14									
15	31	19	25	-11	8	20	40	0		0		0.0	0.00	29.75	29.85	15.0	28	15.7	43	29	32	29	15									
16	26	18	22*	-14	14	20	43	0	SN BR	0		0.5	0.04	29.78	29.87	5.0	26	6.3	20	26	15	26	16									
17	36	15*	26	-10	18	23	39	0	BR	0		0.0	0.00	29.89	30.02	7.2	30	7.5	21	29	17	29	17									
18	36	18	27	-9	18	25	38	0	BR HZ	0		0.0	0.00	30.03	30.13	2.6	29	3.0	14	26	12	26	18									
19	37	20	29	-6	18	24	36	0	BR HZ	0		0.0	0.00	29.92	30.01	6.8	33	6.9	18	32	15	33	19									
20	37	22	30	-5	18	25	35	0		0		0.0	0.00	29.88	29.97	12.5	31	12.7	29	33	23	31	20									
21	40	28	34	-1	18	28	31	0		0		0.0	0.00	29.85	29.94	15.3	32	15.6	33	32	25	32	21									
22	40	27	34	-1	19	28	31	0		0		0.0	0.00	29.81	29.89	10.6	32	11.1	33	32	24	31	22									
23	41	31	36	2			29	0		0		0.0	0.00	29.88		20.3	32	20.9	41	33	32	32	23									
24	40	28	34	0			31	0		0		0.0	0.00	30.01		11.8	32	12.3	29	33	22	33	24									
25	31	26	29	-5	20	26	36	0	SN	0		T	T	29.95	30.03	3.1	30	3.9	12	29	9	33	25									
26	29	22	26	-8	21	25	39	0	SN FZFG BR	0		3.2	0.28	29.65	29.69	13.2	34	15.1	39	30	31	31	26									
27	32	21	27	-7	12	22	38	0	SN BR UP BLSN	2		0.3	0.03	29.43	29.56	24.8	31	24.9	62*	31	45*	31	27									
28	39	27	33	0	15	26	32	0		1		0.0	0.00	29.83	29.95	12.0	28	12.7	35	31	26	29	28									
29	41	23	32	-1	20	27	33	0	BR	T		0.0	0.00	29.96	30.08	4.5	29	5.2	18	31	15	33	29									
30	43	19	31	-2			34	0	BR HZ	0		0.0	0.00	30.12		1.3	16	2.3	9	18	8	18	30									
31	46	26	36	3			29	0	HZ	0		0.0	0.00	30.12		1.9	20	2.3	10	22	8	21	31									
38.6			24.5	31.6	Q		33.2	0.0	< MONTHLY AVERAGES		TOTALS >			4.0	2.41	29.84	29.91	8.8	30	11.3	< MONTHLY AVERAGES											
-5.8			-3.9	-4.8		<----- DEPARTURE FROM NORMAL ----->								-0.99	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																	
DEGREE DAYS									GREATEST 24-HR PRECIPITATION :					1.14	DATE :		11-12		SEA LEVEL PRESSURE					DATE		TIME						
MONTHLY									GREATEST 24-HR SNOWFALL :					3.2	DATE :		26		MAXIMUM :					30.42		10 1004						
TOTAL DEPARTURE									TOTAL DEPARTURE						DATE :		27		MINIMUM :					29.21		13 0051						
SEASON TO DATE									NUMBER OF -> DAYS WITH					MAXIMUM TEMP >= 90 :		0	MINIMUM TEMP <= 32 :		29		PRECIPITATION >= 0.01 INCH:					6						
HEATING :									1029		157		1829		44		MAXIMUM TEMP <= 32 :		6	MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH:					3			
COOLING :									0		0		1543		418		THUNDERSTORMS		:		0		HEAVY FOG		:		0		SNOWFALL >= 1.0 INCH :		1	

DECEMBER 2010
WILMINGTON, DE

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WILMINGTON, DE (KILG)
DECEMBER 2010

WBAN # 13781

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	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 02 03 04 05	0.07	T	T	0.03	0.09	T	T	0.07	0.07	0.08	0.06	0.43	01 02 03 04 05	0.01												01 02 03 04 05	0.91 0.00 0.00 0.00 0.00*	0.91 0.00 0.00 0.00 T
06 07 08 09 10													06 07 08 09 10													06 07 08 09 10	0.00* 0.00 0.00 0.00 T	T 0.00 0.00 0.00 T
11 12 13 14 15	0.01	0.05	0.04	0.03	0.12	0.08	0.06	0.06 T	0.04	0.01 T	T T		11 12 13 14 15	0.01	T	0.01	0.03	0.03	0.07	0.15	0.18	T 0.07	0.01 0.02	0.04 T	0.03 T	11 12 13 14 15	0.08 1.07 T T 0.00	0.08 1.07 T T 0.00
16 17 18 19 20													16 17 18 19 20		T	0.03	0.01	T	T	T					16 17 18 19 20	0.04 0.00 0.00 0.00 0.00	0.04 0.00 0.00 0.00 0.00	
21 22 23 24 25													21 22 23 24 25													21 22 23 24 25	0.00 0.00 0.00 0.00 T	0.00 0.00 0.00 0.00 T
26 27 28 29 30 31	0.01	0.01	0.01	T	T	T	T				T	T	26 27 28 29 30 31	T T	0.02 T	0.03	0.03	0.01	0.01	0.01	T	T	0.01	0.01	T	26 27 28 29 30 31	0.13* 0.03 0.00 0.00 0.00 0.00	0.28 0.03 0.00 0.00 0.00 0.00

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.27	0.31	0.33	0.35	0.37	0.42	0.43	0.45	0.49	0.50	0.50	0.57
Ending Date	01	01	01	01	01	01	01	01	01	01	01	01
Ending Time (Hr/Min)	1138	1137	1140	1140	1150	1159	1216	1159	1159	1216	1216	1159

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

[illegible]

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
DECEMBER 2010 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL		
SUNRISE: 0704 DEC 01 SUNSET: 1639																
01	OVC	050			10.00	-RA	58	55	56	90	21	15	29.90	29.98		
04	OVC	100			9.00	-RA	59	56	57	90	18	15	29.80	29.88		
07	OVC	007			10.00		59	57	58	93	30	15	29.65	29.72		
10	OVC	005			1.75	-RA BR	60	58	59	93	32	15	29.53	29.61		
13	OVC	034			10.00		45	42	44	89	21	31	29.59	29.67		
16	BKN	060			10.00		42	32	38	68	15	29	29.72	29.80		
19	FEW	055			10.00		39	25	34	57	14	29	29.83	29.91		
22	CLR	NC			10.00		37	24	32	59	9	28	29.91	29.98		
SUNRISE: 0705 DEC 02 SUNSET: 1639																
01	BKN	050			10.00		36	21	31	55	16	29	29.96	30.03		
04	CLR	NC			10.00		31	21	28	66	6	25	29.99	30.09		
07	CLR	NC			10.00		31	21	28	66	7	27	30.06	30.14		
10	CLR	NC			10.00		38	21	32	50	15	29	30.10	30.19		
13	CLR	NC			10.00		41	22	34	47	11	32	30.04	30.13		
16	BKN	040			10.00		38	22	32	53	9	32	30.06	30.14		
19	OVC	040			10.00		37	22	32	55	8	32	30.09	30.17		
22	BKN	041			10.00		34	24	30	67	6	32	30.07	30.16		
SUNRISE: 0706 DEC 03 SUNSET: 1639																
01	BKN	110			10.00		34	22	30	62	7	31	30.04	30.13		
04	OVC	047			10.00		33	21	29	61	8	32	30.01	30.11		
07	OVC	045			10.00		32	20	28	61	8	31	30.01	30.10		
10	BKN	100			10.00		35	20	30	54	7	32	30.01	30.10		
13	BKN	050			10.00		40	18	32	41	10	32	29.93	30.03		
16	BKN	110			10.00		38	18	31	44	13	32	29.93	30.01		
19	FEW	095			10.00		33	20	29	59	7	30	29.96	30.05		
22	FEW	070			10.00		31	22	28	69	9	31	29.96	30.06		
SUNRISE: 0707 DEC 04 SUNSET: 1638																
01	BKN	080			10.00		29	23	27	78	7	31	29.94	30.03		
04	CLR	NC			10.00		29	23	27	78	9	30	29.93	30.01		
07	CLR	NC			10.00		29	22	27	75	11	31	29.91	30.00		
10	CLR	NC			10.00		37	25	33	62	14	31	29.90	29.98		
13	OVC	047			10.00		39	20	32	46	14	32	29.82	29.90		
16	OVC	045			10.00		37	22	32	55	13	31	29.77	29.85		
19	OVC	049			10.00		36	21	31	55	7	27	29.75	29.83		
22	OVC	049			10.00		36	21	31	55	7	26	29.70	29.80		
SUNRISE: 0708 DEC 05 SUNSET: 1638																
01	OVC	039			10.00		35	22	30	59	7	31	29.67	29.76		
04	OVC	047			10.00		33	18	28	54	15	33	29.67	29.75		
07	OVC	044			10.00		31	16	26	54	14	33	29.70	29.78		
10	BKN	044			10.00		33	15	27	48	20	33	29.70	29.79		
13	SCT	046			10.00		36	15	29	42	25	32	29.67	29.75		
16	CLR	NC			10.00		35	15	28	44	21	30	29.67	29.75		
19	CLR	NC			10.00		33	15	27	48	10	29	29.70	29.79		
22	CLR	NC			10.00		31	18	27	59	11	27	29.70	29.79		
SUNRISE: 0709 DEC 06 SUNSET: 1638																
01	CLR	NC			10.00		30	17	26	58	11	27	29.67	29.77		
04	CLR	NC			10.00		29	17	25	61	11	27	29.65	29.74		
07	SCT	049			10.00		28	16	24	61	11	25	29.62	29.72		
10	BKN	060			10.00		35	15	28	44	24	28	29.61	29.70		
13	OVC	085			10.00		35	15	28	44	23	28	29.54	29.62		
16	OVC	060			10.00		34	15	28	46	23	28	29.52	29.61		
19	SCT	060			10.00		32	14	26	47	16	27	29.54	29.62		
22	OVC	110			10.00		31	16	26	54	14	28	29.53	29.62		
SUNRISE: 0709 DEC 07 SUNSET: 1638																
01	OVC	100			10.00		30	14	25	51	17	27	29.53	29.61		
04	OVC	065			10.00		30	14	25	51	18	28	29.53	29.61		
07	OVC	110			10.00		29	13	24	51	16	28	29.57	29.65		
10	CLR	NC			10.00		32	13	26	45	17	27	29.61	29.70		
13	OVC	049			10.00		35	15	28	44	22	28	29.59	29.68		
16	OVC	055			10.00		34	15	28	46	17	30	29.64	29.72		
19	OVC	060			10.00		32	16	27	52	16	28	29.70	29.79		
22	SCT	060			10.00		31	13	25	47	20	29	29.75	29.83		
SUNRISE: 0710 DEC 08 SUNSET: 1638																
01	CLR	NC			10.00		28	11	23	49	15	27	29.80	29.88		
04	CLR	NC			10.00		25	11	21	55	10	27	29.83	29.92		
07	CLR	NC			10.00		23	11	20	60	8	25	29.88	29.96		
10	CLR	NC			10.00		31	12	25	45	14	28	29.93	30.01		
13	FEW	055			10.00		35	9	27	34	18	30	29.90	29.98		
16	SCT	055			10.00		32	10	25	40	11	31	29.94	30.03		
19	CLR	NC			10.00		28	10	23	47	8	26	30.01	30.10		
22	CLR	NC			10.00		26	11	22	53	10	28	30.06	30.14		
SUNRISE: 0711 DEC 09 SUNSET: 1638																
01	CLR	NC			10.00		24	12	21	60	7	26	30.09	30.17		
04	CLR	NC			10.00		23	12	20	63	6	26	30.12	30.21		
07	CLR	NC			10.00		22	13	19	68	7	26	30.19	30.27		
10	BKN	050			10.00		29	14	24	53	18	29	30.23	30.32		
13	SCT	047			10.00		33	12	27	42	21	30	30.22	30.30		
16	CLR	NC			10.00		32	10	25	40	8	30	30.23	30.32		
19	CLR	NC			10.00		28	9	23	45	0	00	30.28	30.37		
22	CLR	NC			10.00		25	13	22	60	0	00	30.31	30.40		
SUNRISE: 0712 DEC 10 SUNSET: 1638																
01	CLR	NC			10.00		20	15	19	81	3	35	30.31	30.40		
04	CLR	NC			10.00		21	16	20	81	0	00	30.31	30.40		
07	SCT	090			10.00		25	12	21	58	0	00	30.32	30.41		
10	CLR	NC			10.00		28	12	23	51	5	11	30.32	30.42		
13	BKN	035			10.00		33	21	29	61	6	15	30.25	30.34		
16	OVC	080			10.00		32	26	30	79	0	00	30.22	30.30		
19	OVC	080			9.00		32	28	31	85	0	00	30.22	30.31		
22	BKN	080			8.00		31	27	30	85	0	00	30.20	30.29		
SUNRISE: 0713 DEC 11 SUNSET: 1638																
01	CLR	NC			4.00	BR	28	27	28	96	0	00	30.19	30.27		
04	CLR	NC			3.00	BR	24	23	24	96	3	33	30.17	30.27		
07	CLR	NC			5.00	BR	24	23	24	96	3	33	30.19	30.28		
10	CLR	NC			4.00	BR	33	29	31	85	0	00	30.19	30.29		
13	CLR	NC			8.00		41	30	37	65	0	00	30.15	30.24		
16	CLR	NC			10.00		42	25	35	51	0	00	30.11	30.20		
19	OVC	024			10.00		40	27	35	60	3	11	30.09	30.17		
22	OVC	016			8.00	-RA	39	34	37	82	7	04	30.01	30.09		
SUNRISE: 0714 DEC 12 SUNSET: 1639																
01	OVC	004			5.00	-RA BR	41	41	41	100	8	06	29.90	29.97		
04	OVC	002			7.00	-RA	48	48	48	100	10	08	29.75	29.82		
07	OVC	017			5.00	-RA BR	52	52	52	100	18	12	29.57	29.65		
10	OVC	006			7.00		52	51	51	96	20	16	29.49	29.57		
13	OVC	018			3.00	-RA BR	52	51	51	96	15	21	29.41	29.48		
16	OVC	070			10.00	-RA	47	45	46	93	10	15	29.31	29.39		
19	OVC	004			4.00	RA BR	46	45	46	96	0	00	29.26	29.34		
22	OVC	018			10.00		45	45	45	100	7	31	29.16	29.24		

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
DECEMBER 2010 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
SUNRISE: 0714 DEC 13 SUNSET: 1639																														
01	OVC	035			9.00	-SN	42	40	41	93	10	31	29.14	29.21	01	CLR	NC			6.00	HZ BR		25	20	23	81	3	35	29.96	30.05
04	OVC	044			10.00		38	32	36	79	11	32	29.15	29.23	04	CLR	NC			4.00		21	18	20	88	0	00	29.96	30.06	
07	OVC	055			10.00		35	27	32	73	13	30	29.18	29.26	07	OVC	100			7.00		24	20	23	85	6	33	29.96	30.05	
10	FEW	024			9.00		33	25	30	72	22	31	29.25	29.33	10	CLR	NC			10.00		30	19	26	64	8	33	29.98	30.06	
13	BKN	095			10.00		35	18	29	50	23	30	29.21	29.29	13	CLR	NC			10.00		34	18	29	52	11	35	29.91	29.99	
16	CLR	NC			10.00		31	12	25	45	21	30	29.27	29.36	16	CLR	NC			10.00		35	17	29	48	8	34	29.90	29.98	
19	CLR	NC			10.00		24	7	19	48	26	30	29.35	29.43	19	CLR	NC			10.00		27	17	24	66	8	32	29.88	29.97	
22	OVC	060			10.00	22	5	18	48	20	30	29.40	29.48	22	CLR	NC			10.00	25	16	22	69	7	33	29.88	29.96			
SUNRISE: 0715 DEC 14 SUNSET: 1639																														
01	OVC	060			10.00		20	3	16	47	21	30	29.43	29.51	01	CLR	NC			10.00		24	16	22	71	9	31	29.85	29.94	
04	OVC	070			10.00		19	3	15	49	21	30	29.48	29.56	04	CLR	NC			10.00		24	15	21	68	11	32	29.88	29.96	
07	SCT	080			10.00		18	6	15	59	14	30	29.53	29.61	07	OVC	095			10.00		24	16	22	71	6	33	29.88	29.97	
10	OVC	039			9.00		22	11	19	63	15	32	29.57	29.65	10	OVC	100			10.00		31	19	27	61	14	32	29.91	29.99	
13	BKN	055			10.00		27	5	21	39	21	31	29.54	29.63	13	CLR	NC			10.00		36	19	30	50	21	30	29.85	29.94	
16	BKN	065			10.00		26	4	20	39	25	31	29.59	29.68	16	CLR	NC			10.00		34	18	29	52	14	32	29.88	29.97	
19	SCT	060			10.00		24	8	20	50	16	29	29.67	29.76	19	FEW	050			10.00		31	18	27	59	14	31	29.90	29.98	
22	OVC	055			10.00		24	11	20	58	18	29	29.72	29.80	22	CLR	NC			10.00		30	19	26	64	15	31	29.90	29.98	
SUNRISE: 0716 DEC 15 SUNSET: 1639																														
01	OVC	060			10.00		23	8	19	52	18	29	29.70	29.79	01	CLR	NC			10.00		28	18	25	66	14	30	29.86	29.95	
04	FEW	049			10.00		20	8	17	60	9	27	29.75	29.84	04	CLR	NC			10.00		29	19	26	66	15	31	29.85	29.94	
07	CLR	NC			10.00		19	8	16	62	10	26	29.78	29.86	07	CLR	NC			10.00		29	17	25	61	17	32	29.86	29.95	
10					10.00		27	9	22	47	23	30	29.78	29.87	10	CLR	NC			10.00		34	17	28	50	16	33	29.88	29.97	
13	BKN	060			10.00		29	6	23	37	23	29	29.72	29.81	13	CLR	NC			10.00		39	17	31	41	18	33	29.85	29.93	
16	OVC	060			10.00		30	7	23	38	22	29	29.75	29.84	16	CLR	NC			10.00		37	17	30	44	17	31	29.85	29.93	
19					10.00		26	8	21	46	15	27	29.80	29.88	19	CLR	NC			10.00		33	17	28	52	11	32	29.85	29.94	
22					10.00		24	10	20	55	10	25	29.82	29.90	22	CLR	NC			10.00		31	17	26	56	13	34	29.86	29.95	
SUNRISE: 0716 DEC 16 SUNSET: 1639																														
01					10.00		22	10	19	60	13	26	29.83	29.92	01	CLR	NC			10.00		32	19	28	59	7	33	29.85	29.94	
04					10.00		20	9	17	62	9	25	29.85	29.94	04	CLR	NC			10.00		30	19	26	64	8	34	29.83	29.92	
07					10.00		18	9	16	68	6	28	29.85	29.93	07	OVC	090			10.00		29	20	26	69	7	34	29.83	29.92	
10	CLR	NC			10.00		24	11	20	58	8	32	29.83	29.91	10	OVC	085			10.00		32	22	29	67	11	32	29.83	29.92	
13	BKN	040			10.00		26	12	22	55	6	19	29.75	29.84	13	CLR	NC			10.00		38	21	32	50	14	29	29.75	29.83	
16					2.00	-SN BR	24	21	23	88	5	17	29.72	29.80	16	OVC	110			10.00		39	19	32	45	15	30	29.73	29.83	
19	SCT	008			9.00		21	20	21	96	0	00	29.72	29.80	19	CLR	NC			10.00		34	17	28	50	13	32	29.78	29.87	
22					8.00		21	19	20	92	0	00	29.72	29.81	22	CLR	NC			10.00		32	17	27	54	14	32	29.82	29.90	
SUNRISE: 0717 DEC 17 SUNSET: 1640																														
01					6.00	BR	17	15	16	92	6	28	29.78	29.86	01	BKN	040			10.00		31	18	27	59	16	32	29.83	29.91	
04					8.00		18	15	17	88	8	30	29.83	29.91	04															
07					10.00		19	14	18	81	7	31	29.86	29.95	07	OVC	044			10.00		32	18	27	56	18	31	29.85	29.94	
10	OVC	100			10.00		28	18	25	66	13	31	29.94	30.03	10	CLR	NC			10.00		36	17	30	46	22	33	29.88	29.96	
13					10.00		34	21	29	59	13	31	29.93	30.01	13	CLR	NC			10.00		38	16	31	41	17	33	29.83	29.91	
16	CLR	NC			10.00		33	19	28	56	11	30	29.96	30.05	16	BKN	110			10.00		38	16	31	41	23	32	29.88	29.96	
19	CLR	NC			10.00		30	19	26	64	0	00	30.01	30.10	19	OVC	070			10.00		36	17	30	46	23	33	29.93	30.01	
22	CLR	NC			10.00		25	17	23	72	6	24	30.06	30.14	22	OVC	075			10.00						15	33	29.94		
SUNRISE: 0718 DEC 18 SUNSET: 1640																														
01	CLR	NC			10.00		23	16	21	74	0	00	30.06	30.14	01	SCT	075			10.00						17	33	29.98		
04	CLR	NC			10.00		19	15	18	84	5	28	30.07	30.16	04	CLR	NC			10.00						9	34	29.99		
07	CLR	NC			10.00		20	15	19	81	6	26	30.07	30.16	07	CLR	NC			10.00						11	31	30.03		
10	CLR	NC			9.00		28	19	25	69	3	26	30.11	30.20	10	CLR	NC			10.00						13	33	30.06		
13	CLR	NC			10.00		34	19	29	54	3	28	30.03	30.12	13	CLR	NC			10.00		39	19	32	45	17	32	30.01		
16	CLR	NC			10.00		34	20	29	57	3	33	29.99	30.09	16	CLR	NC			10.00		37	18	30	46	13	31	29.99		
19	CLR	NC			10.00		32	19	28	59	0	00	29.99	30.09	19	CLR	NC			10.00		33	18	28	54	8	33	29.99		
22	CLR	NC			9.00		29	21	26	72	0	00	29.99	30.08	22	CLR	NC			10.00		29	17	25	61	6	30	29.99		
SUNRISE: 0718 DEC 19 SUNSET: 1641																														
01	CLR	NC			6.00	HZ BR	25	20	23	81	3	35	29.96	30.05	01	CLR	NC			6.00			25	20	23	81	3	35	29.96	30.05
04	CLR	NC			4.00		21	18	20	88	0	00	29.96	30.06	04	CLR	NC			4.00			21	18	20	88	0	00	29.96	30.06
07	OVC	100			7.00		24	20																						

OBSERVATIONS AT 3-HOURLY INTERVALS

WILMINGTON, DE
DECEMBER 2010 KILG

WBAN # 13781

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0721 DEC 25 SUNSET: 1644														
01	CLR	NC			10.00	-SN	28	17	25	63	7	34	29.98	30.08
04	FEW	120			10.00		27	17	24	66	6	32	29.98	30.07
07	FEW	095			10.00		27	18	24	69	0	00	29.99	30.08
10	FEW	070			10.00		29	18	25	63	6	33	29.98	30.07
13	OVC	022			4.00		30	23	28	75	6	31	29.93	30.01
16	BKN	047			10.00		30	21	27	69	3	26	29.91	30.00
19	SCT	047			10.00		29	21	26	72	3	23	29.93	30.01
22	OVC	049			10.00		29	22	27	75	0	00	29.90	29.98
SUNRISE: 0722 DEC 26 SUNSET: 1644														
01	BKN	035			10.00	-SN SN FZFG -SN BR -SN BR	28	23	26	82	0	00	29.85	29.95
04	CLR	NC			10.00		27	21	25	78	6	33	29.83	29.92
07	OVC	050			10.00		29	21	26	72	8	04	29.80	29.88
10	OVC	041			10.00		28	19	25	69	16	03	29.73	29.82
13	OVC	023			3.00		28	21	26	75	20	35	29.56	29.65
16	OVC	015			0.50		27	25	26	92	15	33	29.48	29.56
19	OVC	012			1.25		25	22	24	88	18	33	29.41	29.50
22	OVC	011			1.50		22	19	21	88	22	31	29.36	29.46
SUNRISE: 0722 DEC 27 SUNSET: 1645														
01	OVC	021			0.75	-SN BR	22	18	21	85	28	31	29.32	29.40
04	OVC	018			1.50	-SN BR	22	18	21	85	24	31	29.31	29.39
07	OVC	095			7.00	UP	23	13	20	65	33	31	29.36	29.44
10	CLR	NC			10.00	BLSN	24	11	20	58	29	31	29.44	29.52
13	CLR	NC			10.00	UP	28	12	23	51	37	31	29.44	29.52
16	CLR	NC			10.00		32	8	25	36	17	30	29.53	29.61
19	CLR	NC			10.00		28	9	23	45	17	32	29.62	29.71
22	CLR	NC			10.00		27	13	23	55	14	32	29.70	29.79
SUNRISE: 0722 DEC 28 SUNSET: 1646														
01	CLR	NC			10.00		28	13	23	53	15	30	29.75	29.84
04	CLR	NC			10.00		29	14	24	53	11	28	29.83	29.91
07	CLR	NC			10.00		27	17	24	66	13	26	29.86	29.96
10	CLR	NC			10.00		30	16	26	56	16	27	29.91	30.00
13	CLR	NC			10.00		37	15	30	41	24	31	29.83	29.92
16	CLR	NC			10.00		39	15	31	38	11	29	29.85	29.93
19	CLR	NC			10.00		34	14	28	44	3	24	29.88	29.97
22	CLR	NC			10.00		30	14	25	51	6	25	29.91	29.99
SUNRISE: 0723 DEC 29 SUNSET: 1646														
01	CLR	NC			10.00		29	14	24	53	7	26	29.91	30.00
04	CLR	NC			10.00		26	14	22	60	6	26	29.93	30.01
07	CLR	NC			10.00		26	18	23	72	6	26	29.96	30.05
10	CLR	NC			10.00		34	21	29	59	6	30	30.01	30.09
13	CLR	NC			10.00		39	23	33	53	15	33	29.96	30.06
16	CLR	NC			10.00		40	24	34	53	6	32	29.98	30.07
19	CLR	NC			10.00		33	23	29	67	0	00	30.02	30.11
22	CLR	NC			7.00		28	23	26	82	0	00	30.06	30.15
SUNRISE: 0723 DEC 30 SUNSET: 1647														
01	CLR	NC			6.00	BR BR	25	21	24	85	0	00	30.07	30.16
04	CLR	NC			6.00		24	21	23	88	3	05	30.11	30.20
07	CLR	NC			10.00		21	19	20	92	0	00	30.16	30.24
10	CLR	NC			4.00		33	26	30	75	0	00	30.20	30.29
13	CLR	NC			7.00		54	27	43	35	0	00	30.14	30.23
16	CLR	NC			7.00		57	27	44	32	7	17	30.11	30.20
19	CLR	NC			6.00	HZ HZ					3	14	30.14	
22	CLR	NC			4.00							0	00	30.14

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0723 DEC 31 SUNSET: 1648														
01	CLR	NC			3.00	BR					0	00	30.14	
04	CLR	NC			5.00	HZ					0	00	30.12	
07	CLR	NC			5.00	HZ					0	00	30.14	
10	CLR	NC			10.00						3	21	30.14	
13	CLR	NC			10.00						6	21	30.09	
16	CLR	NC			10.00						5	18	30.10	
19	CLR	NC			10.00						0	00	30.12	
22	CLR	NC			8.00		35	29	33	79	0	00	30.11	

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, W = 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.

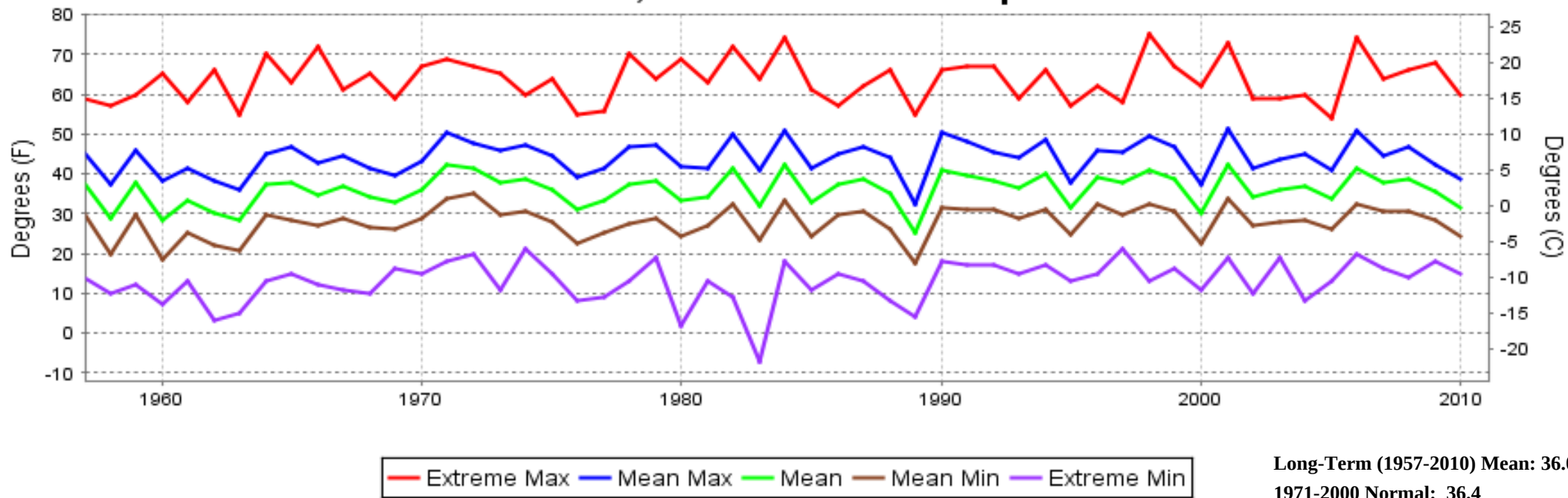
& = Original observation contained additional weather elements.

See page 3 for additional notes.

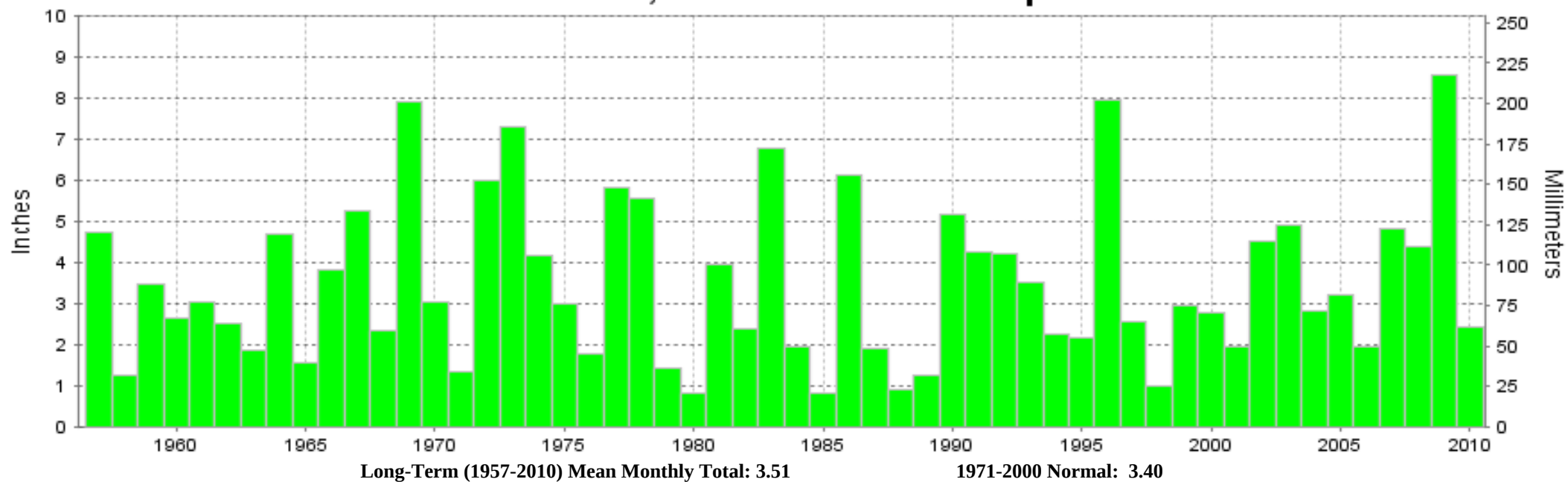
SUMMARY BY HOUR

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			29	20	26	69	29.85	29.92	8.70	10	9	30
02			29	19	26	69	29.85	29.92	8.67	11	8	30
03			28	19	26	70	29.85	29.92	8.65	10	8	30
04			28	19	25	71	29.85	29.92	8.78	9	7	30
05			28	19	25	71	29.84	29.92	8.64	11	8	30
06			28	19	25	70	29.85	29.92	8.90	11	8	30
07			28	19	25	71	29.86	29.93	9.32	10	7	30
08			28	19	26	70	29.86	29.93	8.74	11	8	30
09			31	20	27	65	29.87	29.94	9.19	12	8	30
10			33	20	28	61	29.87	29.94	9.15	14	9	30
11			35	20	30	57	29.86	29.93	9.34	15	10	29
12			35	19	30	54	29.84	29.91	9.55	15	12	29
13			36	19	31	52	29.82	29.89	9.19	16	12	29
14			36	19	30	53	29.82	29.89	9.13	16	12	29
15			36	19	30	52	29.82	29.89	9.33	14	10	29
16			36	19	30	53	29.83	29.90	9.34	12	10	29
17			33	18	28	57	29.83	29.89	9.44	11	9	30
18			32	18	28	58	29.85	29.90	9.35	9	8	30
19			32	18	27	59	29.85	29.91	9.33	9	10	30
20			31	18	27	61	29.86	29.92	9.24	9	9	30
21			30	19	27	64	29.86	29.92	9.05	9	9	30
22			30	19	26	66	29.86	29.92	9.15	9	10	30
23			29	19	26	67	29.86	29.92	8.91	9	9	30
24			28	19	25	69	29.86	29.91	8.84	9	9	30

WILMINGTON, DE DECEMBER Temperatures



WILMINGTON, DE DECEMBER Precipitation





DECEMBER 2010
WILMINGTON, DE

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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