

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



GREATER WILMINGTON AIRPORT

LATITUDE 39° 40' N    LONGITUDE 75° 36' W    ELEVATION (GROUND) 74 FEET    TIME ZONE EASTERN    13781

FEB 1990  
WILMINGTON, DE

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)				
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST		FASTEST 1-MIN		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
																SPEED	DIRECTION	SPEED	DIRECTION					
01	53	28	41	10	36	24	0	1	8	0	0.00	0.0	30.130	13	3.9	5.3			13	18	8	6		
02	58	43	51	20	46	14	0	1	8	0	0.02	0.0	29.870	07	1.9	3.7			7	30	10	10		
03	49	40	45	14	41	20	0	1		0	0.20	0.0	30.110	06	8.1	8.8			14	03	10	10		
04	44	30	37	6	38	28	0	2		0	0.15	0.0	29.720	02	7.3	9.0			15	35	10	9		
05	41	23	32	0	20	33	0	0		0	0.00	0.0	30.130	32	6.9	8.9			15	29	0	0		
06	57	28	43	11	27	22	0	0		0	0.00	0.0	30.090	22	6.9	7.3			17	23	5	4		
07	60	38	49	17	34	16	0	0		0	0.00	0.0	29.960	34	3.6	7.6			14	32	6	5		
08	56	33	45	13	36	20	0	1	8	0	0.00	0.0	30.120	20	2.0	5.3			8	14	0	0		
09	64	35	50	18	44	15	0	1	8	0	T	0.0	29.850	20	5.4	6.3			14	24	8	7		
10	63	32	48	16	43	17	0	1		0	0.60	0.0	29.560	25	7.2	12.0			18	19	10	8		
11	47	26	37	5	22	28	0	0		0	0.00	0.0	29.830	29	3.0	6.2			28	SW	15	16	6	6
12	46	29	38	6	28	27	0	1	8	0	T	0.0	29.980	32	6.3	8.1			23	SW	13	02	8	6
13	59	27	43	10	32	22	0	0		0	0.00	0.0	30.030	19	7.7	8.1			28	SW	15	16	7	6
14	67	44	56*	23	38	9	0	0		0	0.00	0.0	30.000	30	2.3	8.8			23	SW	13	02	10	10
15	44	42	43	10	39	22	0	1		0	T	0.0	30.050	07	10.1	10.4			23	E	10	10		
16	67*	43	55	22	53	10	0	1		0	0.04	0.0	29.735	22	7.3	8.3			28	SW	16	24	10	9
17	60	30	45	12	21	20	0	0		0	0.00	0.0	30.140	31	15.3	16.2			38	NW	24	31	2	2
18	39	22	31	-3	17	34	0	0		0	0.00	0.0	30.470	15	4.1	8.1			20	S	15	16	6	5
19	60	37	49	15	26	16	0	0		0	0.00	0.0	29.965	28	9.1	11.8			35	NW	23	30	9	7
20	40	26	33	-1	9	32	0	0		0	0.00	0.0	30.360	32	10.6	10.8			32	NW	17	32	0	1
21	50	21	36	2	19	29	0	0		0	0.00	0.0	30.480	23	5.6	6.4			23	SW	16	22	1	1
22	64	31	48	13	43	17	0	1	8	0	0.14	0.0	30.010	19	8.0	8.3			35	S	20	19	10	9
23	65	45	55	20	53	10	0	0	3	0	0.10	0.0	29.500	23	13.3	16.2			48	NW	26	33	10	10
24	46	33	40	5	29	25	0	1	4	0	0.05	0.4	29.580	29	9.6	11.9			35	NW	22	31	10	9
25	33	16	25	-11	3	40	0	0		0	T	T	30.250	31	22.1	22.7			48	NW	37	28	7	5
26	29	10*	20*	-16	0	45	0	0		0	0.00	0.0	30.750	32	5.9	8.3			23	NW	18	35	0	0
27	36	20	28	-8	19	37	0	0		0	0.05	0.6	30.430	20	8.1	8.7			29	SW	18	18	10	8
28	43	29	36	0	20	29	0	0		0	0.00	0.0	30.290	33	8.4	9.2			28	NW	16	33	3	5
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:						TOTAL	%	SUM	SUM		
1440	861					661	0				1.35	1.0	30.050	28	3.3	9.4			37	28			186	168
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	DEP.	PRECIPITATION			DEP.							DATE:	DATE: 25	POSSIBLE	MONTH		AVG.	AVG.
51.4	30.8	41.1	7.9	29.8	-229	0	0	PRECIPITATION		9	-1.64											6.6	6.0	
NUMBER OF DAYS						SEASON TO DATE	TOTAL	SNOW, ICE PELLETS		0	GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF							
MAXIMUM TEMP.						MINIMUM TEMP.		3538	0		THUNDERSTORMS	1	PRECIPITATION		SNOW, ICE PELLETS									
≥ 90°						≤ 32°		0	0		HEAVY FOG	1	0.60		09-10		0.6		27		T		28+	
0						17		0	-215		0	CLEAR		7		PARTLY CLOUDY		6		CLOUDY		15		

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
T TRACE AMOUNT.  
+ ALSO ON EARLIER DATE(S).  
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1990  
WILMINGTON, DE 13781

HOUR L.S.T.	VISI-BILITY				TEMPERATURE				WIND			VISI-BILITY				TEMPERATURE				WIND																																	
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																				
FEB 1st																		FEB 2nd																		FEB 3rd																	
01	0	UNL	12			33	32	29	85	00	0	10	95	8			49	47	45	86	08	3	10	12	3			F	48	47	46	93	03	5																			
04	0	UNL	10			29	28	27	92	00	0	10	130	6		F	46	45	43	89	00	0	10	5	2	8	LF	47	46	45	93	05	7																				
07	2	UNL	1		F	29	28	27	92	00	0	10	80	6			44	44	43	96	00	0	10	6	4		LF	43	42	41	93	06	7																				
10	7	UNL	4		H	43	40	36	76	20	7	10	60	5		F	52	49	46	80	12	5	10	7	3		LF	40	40	39	96	07	9																				
13	10	45	10			52	46	39	61	18	11	10	85	7			57	51	46	67	12	5	10	9	6		F	41	40	38	89	08	9																				
16	10	43	10			52	46	39	61	11	9	10	70	7			57	51	46	67	00	0	10	9	1	8	RF	41	40	39	93	05	6																				
19	10	250	10			49	45	41	74	12	6	10	70	7		RW	52	51	49	90	33	4	10	5	4		RF	41	40	39	93	09	7																				
22	10	UNL	10			50	47	44	80	09	3	10	110	7			50	49	48	93	03	3	10	3	2		LF	40	40	39	96	06	5																				
FEB 4th																		FEB 5th																		FEB 6th																	
01	10	4	2	8	RF	42	42	41	96	06	7	0	UNL	15			29	26	19	66	36	12	0	UNL	10				30	28	24	78	21	8																			
04	10	4	4		RF	42	42	41	96	06	8	0	UNL	15			25	22	16	69	33	11	0	UNL	10				30	28	25	82	24	6																			
07	10	3	1	4	LF	43	43	42	96	02	5	0	UNL	15			23	20	14	68	32	7	2	UNL	10				28	27	26	92	00	0																			
10	10	3	0	12	LF	43	43	42	96	05	4	0	UNL	15			31	27	18	59	33	10	8	UNL	15				44	38	28	54	25	10																			
13	10	1	0	2	RF	44	44	43	96	35	4	0	UNL	15			37	32	22	55	29	13	1	UNL	15				54	43	27	35	23	13																			
16	10	9	12			43	42	41	93	36	8	0	UNL	15			41	34	23	49	28	9	2	UNL	15				57	44	28	33	20	9																			
19	10	14	10			39	37	35	86	35	10	0	UNL	10			37	32	24	59	00	0	6	UNL	15				49	39	25	39	22	5																			
22	6	75	15			34	31	25	70	36	12	0	UNL	10			34	30	24	67	17	2	7	UNL	15				44	38	28	54	00	0																			
FEB 7th																		FEB 8th																		FEB 9th																	
01	10	120	12			41	37	30	65	00	0	0	UNL	10			40	38	34	79	29	7	0	UNL	6		F	42	40	38	86	00	0																				
04	10	120	10			42	38	31	65	08	8	0	UNL	7			37	35	33	86	27	7	5	UNL	4		F	41	40	39	93	17	5																				
07	10	50	7			42	37	30	63	08	8	0	UNL	5		F	35	34	32	89	26	4	7	UNL	2	8	F	41	40	39	93	16	8																				
10	10	55	7			46	42	37	71	00	0	0	UNL	4		H	49	44	39	69	00	0	6	UNL	6		H	54	50	45	72	18	6																				
13	4	UNL	10			53	46	37	55	28	6	0	UNL	10			56	47	37	49	26	5	10	60	10			63	54	45	52	24	12																				
16	3	UNL	10			56	46	33	42	32	10	0	UNL	10			54	47	39	57	12	5	9	110	10			63	55	49	61	23	5																				
19	0	UNL	10			47	42	35	63	29	10	0	UNL	7			43	41	39	86	14	7	10	70	7			60	54	48	65	18	10																				
22	0	UNL	10			46	41	35	66	33	5	0	UNL	7			45	42	38	77	15	5	10	45	7			54	50	47	77	17	7																				
FEB 10th																		FEB 11th																		FEB 12th																	
01	10	29	7			53	51	50	90	17	10	0	UNL	15			32	28	19	59	33	8	10	55	8			38	36	32	79	03	10																				
04	10	28	3		RF	61	59	58	90	20	13	0	UNL	15			30	27	20	66	29	5	10	37	7			37	35	32	82	05	8																				
07	10	47	2		RF	61	60	59	93	20	16	1	UNL	15			29	25	18	64	30	6	10	28	4		F	37	35	31	79	31	4																				
10	10	27	7		R	53	52	51	93	30	12	2	UNL	15			42	34	19	40	26	5	10	27	6		H	39	37	33	79	31	6																				
13	10	16	15		R	48	46	43	83	30	12	8	250	15			46	36	19	34	25	5	9	43	9			44	38	29	56	29	5																				
16	10	110	7			46	43	40	80	30	4	10	UNL	12			46	37	21	37	22	6	3	UNL	15				45	37	24	44	30	11																			
19	2	UNL	10			42	36	27	55	31	10	10	55	15			42	35	24	49	00	0	0	0	UNL	15			37	32	22	55	30	7																			
22	0	UNL	15			38	31	19	46	30	11	10	70	12			39	36	32	76	05	5	0	UNL	15			35	31	23	62	29	5																				
FEB 13th																		FEB 14th																		FEB 15th																	
01	0	UNL	15			21	29	24	75	00	0	10	250	15			58	48	37	46	24	11	10	100	15			44	40	34	68	06	11																				
04	0	UNL	15			29	28	27	92	00	0	10	250	15			56	47	37	49	24	7	10	16	15			43	40	36	76	08	9																				
07	6	250	7			31	30	27	85	00	0	10	110	15			54	47	38	55	22	6	10	20	15			43	39	34	71	08	11																				
10	9	UNL	12			44	38	29	56	17	9	10	130	15			61	51	40	46	26	8	10	12	8			44	41	38	80	07	8																				
13	9	UNL	15			56	46	35	45	20	12	10	65	12			64	53	42	45	23	6	10	6	5		F	44	43	41	89	05	9																				
16	7	UNL	15			59	48	36	42	16	13	10	90	12			57	50	43	60	03	11	10	6	4		F	44	43	41	89	05	9																				
19	4	UNL	15			53	46	37	55	18	11	10	65	15			48	43	36	63	03	9	10	3	2		F	43	42	41	93	07	7																				
22	10	250	15			55	47	38	53	21	8	10	70	15			46	41	35	66	06	6	10	3	1	4	F	42	42	41	96	07	10																				
FEB 16th																		FEB 17th																		FEB 18th																	
01	10	1	0	12	RF	43	43	42	96	05	5	6	65	15			59	53	47	65	30	14	0	UNL	15			27	22	11	51	02	7																				
04	10	100	1	12	F	45	44	43	93	00	0	0	UNL	15			47	40	30	52	29	12	0	UNL	15			25	21	9	51	04	6																				
07	10	110	1		F	47	46	45	93	00	0	0	UNL	15			46	38	26	46	30	17	2	UNL	15			22	18	7	52	04	6																				
10	10	100	3		RF	58	57	56	93	24	10	0	UNL	15			44	35	21	40	31	16	3	UNL	15			30	24	10	43	10	4																				
13	10	16	10			66	63	61	84	21	13	4	UNL	15			42	34	20	41	32	18	7	UNL	15			36	28	9	32	15	13																				
16	10	16	15			66	63	61	84	23	12	3	UNL	15			40	32	15	36	32	18	10	250	15			38	33	24	57	16	13																				
19	10	120	15			64	61	59	84	21	11	0	UNL	15			37	30	15	41	31	9	2	UNL	15			37	34	29	73	17	5																				
22	6	UNL	15			62	59	57	84	23	10	0	UNL	15			31	26	13	47	35	5	10	250	15			38	34	27	65	20	7																				

WEATHER CODES

- \* TORNADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- BN BLOWING SAND
- BS BLOWING SNOW
- BY BLOWING SPRAY
- K SMOKE
- H HAZE
- D DUST

CEILING: UNL INDICATES UNLIMITED  
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM  
 SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1990  
WILMINGTON, DE 13781

HOUR L.S.T.	VISI-BILITY				WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY				WEATHER	TEMPERATURE				WIND											
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					
FEB 19th																																	
01	10	37	15			39	36	31	73	20	8	0	UNL	15			35	27	8	32	33	13	0	UNL	15			26	23	15	63	34	3
04	10	110	15			40	36	31	70	22	4	2	UNL	15			30	24	9	41	32	14	0	UNL	15			22	20	15	74	00	0
07	10	120	12			42	38	31	65	22	6	2	UNL	15			28	22	7	41	33	12	0	UNL	12			23	22	18	81	00	0
10	10	200	12			47	44	40	77	26	7	0	UNL	15			34	26	8	34	32	12	0	UNL	15			39	32	18	43	21	8
13	10	200	15			57	45	29	34	30	17	0	UNL	15			37	28	7	28	31	12	0	UNL	15			47	38	22	37	24	12
16	8	UNL	15			57	41	16	20	30	20	0	UNL	15			39	29	7	26	30	11	1	UNL	15			49	38	19	30	24	11
19	2	UNL	15			50	38	16	26	32	9	0	UNL	15			31	25	8	38	31	8	4	UNL	12			42	34	20	41	20	4
22	1	UNL	15			43	33	14	31	32	11	0	UNL	15			30	25	12	47	00	0	3	UNL	12			39	32	20	47	22	8
FEB 20th																																	
FEB 21st																																	
FEB 22nd																																	
FEB 23rd																																	
FEB 24th																																	
FEB 25th																																	
FEB 26th																																	
FEB 27th																																	
FEB 28th																																	

SUMMARY BY HOURS

HOUR L.S.T.	AVERAGES										RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	WIND		
			AIR TEMP OF	WET BULB OF	DEW POINT OF					DIRECTION	SPEED (MPH)	
01	5	30.050	39	35	30	72	7.7	32	2.9			
04	6	30.040	37	34	29	74	7.8	30	2.9			
07	6	30.065	36	33	28	74	8.3	29	2.9			
10	6	30.080	43	38	31	64	10.2	28	4.4			
13	7	30.040	48	41	31	54	12.9	26	7.1			
16	7	30.010	48	41	30	55	11.2	28	3.7			
19	6	30.040	43	38	30	63	8.0	27	2.0			
22	5	30.055	41	37	30	66	7.8	29	2.4			

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 1990  
WILMINGTON, DE

13781

DATE	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE	
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12		
01																								01		
02				T	T	T	T	T	T	T	T						0.01	T	0.01	T	0.01	T	0.01	02		
03																								03		
04	0.02	0.02	0.03	0.02	T	T	T	T	T	T	T					0.01	0.01	0.02	0.02	0.06	0.04	0.01	0.02	0.01	04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10		T	0.01	0.01	0.02	0.01	0.20	0.11	0.01	0.13	T	0.06	T	0.04	T	T									10	
11																									11	
12		T	T																						12	
13																									13	
14																									14	
15																	T						T		15	
16	T	T	T	0.01		T	0.01	0.01	0.01	T	T		T	T											16	
17																									17	
18																									18	
19																									19	
20																									20	
21																									21	
22												T	T	T	0.02	0.05							0.02	0.05	22	
23	0.02																						0.08	T	T	23
24	T		T	T																				T	T	24
25	T	T															T	0.02	0.03							25
26																										26
27																										27
28																										28

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.07	0.10	0.13	0.14	0.17	0.24	0.27	0.29	0.31	0.32	0.37	0.43
ENDED: DATE	10	10	10	10	10	10	10	10	10	10	10	10
ENDED: TIME	0654	0906	0656	0702	0713	0726	0732	0744	0744	0807	0910	0915

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:  
MATTHEW BODOSKY

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