

FEB 1993
WILMINGTON, DE
NAT'L WEA SER OFC
AIRPORT TERMINAL BLDG

ISSN 0198-117X

INQUIRIES/COMMENTS CALL
(704) 271-4800

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 1993
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	DIRECTION	FASTEST 1-MIN	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT			
01	46	14	30	-1	12	35	0		0	T	29.705	33	18.9	20.9	41	N	29	34			2	0	4	4		
02	31	12	22	-9	6	43	0		0	0.00	0.0	30.190	35	14.5	15.1	39	N	30	36			2	0	4	0	
03	53	19	36	5	17	29	0		0	0.00	0.0	30.060	26	8.5	9.0	23	W	14	29			4	4	4	4	
04	45	30	38	7	12	27	0		0	0.00	0.0	30.130	32	11.7	13.3	35	N	24	35			0	0	2	2	
05	55*	27	41	10	17	24	0		0	0.00	0.0	30.080	24	10.5	10.7	28	SW	15	24			8	8	6	6	
06	45	11	28	-3	17	37	0	1	0	0.13	1.8	30.100	03	7.6	10.3	29	NE	23	02			10	7	7	7	
07	30	5*	18	-14	10	47	0		2	0.00	0.0	30.200	05	2.0	6.4	12	NE	10	03			3	4	4	4	
08	45	28	37	5	23	28	0	1	8	0.00	0.0	29.990	36	7.6	8.0	21	N	17	01			2	4	4	4	
09	39	20	30	-2	13	35	0		0	0.00	0.0	30.310	08	3.1	8.5	16	N	12	16			2	2	2	2	
10	53	24	39	7	30	26	0	1		0.00	0.0	30.160	22	2.7	4.0	16	SW	10	22			2	2	2	2	
11	51	28	40	8	30	25	0	1	8	0.00	0.0	30.190	07	9.2	10.2	29	E	20	06			8	6	6	6	
12	37	32	35	2	30	30	0	1	4	1.40	0.7	29.860	05	14.2	16.2	33	NE	22	05			10	10	10	10	
13	40	32	36	3	32	29	0	1	4	0.05	1.2	29.390	28	10.1	10.6	23	W	17	30			10	10	10	10	
14	40	28	34	1	18	31	0		0	0.00	0.0	29.780	31	15.2	15.9	36	NW	26	33			3	4	4	4	
15	42	23	33	0	22	32	0		0	0.00	0.0	30.230	24	3.2	6.0	16	S	12	32			8	7	7	7	
16	47	33	40	7	36	25	0	2	4	0.84	1.0	29.910	15	3.8	8.6	26	SE	17	26			10	10	10	10	
17	42	30	36	2	21	29	0		0	0.00	0.0	29.930	30	13.5	14.2	44	NW	29	30			2	3	3	3	
18	33	14	24	-10	8	41	0		0	0.00	0.0	30.010	32	14.2	14.5	32	NW	20	34			3	3	3	3	
19	23	9	16*	-18	0	49	0		0	0.00	0.0	30.140	32	11.7	12.5	30	NW	23	33			0	0	0	0	
20	36	15	26	-9	15	39	0	1		0	T	30.010	35	1.8	4.6	16	SW	12	29			8	7	7	7	
21	34	26	30	-5	26	35	0	2		0.57	3.2	29.850	09	7.5	8.0	17	E	13	12			10	10	10	10	
22	53	32	43*	8	33	22	0	2		0.0	0.0	29.510	28	3.4	4.8	21	NW	14	29			9	7	7	7	
23	36	27	32	-3	15	33	0		0	0.00	0.0	29.740	28	13.5	14.4	32	W	22	25			7	7	7	7	
24	29	18	24	-12	6	41	0		0	0.00	T	30.060	30	12.7	13.1	32	W	20	33			5	3	3	3	
25	29	14	22	-14	6	43	0		0	0.00	0.0	30.370	32	7.6	8.3	20	NW	14	31			2	4	4	4	
26	30	22	26	-10	20	39	0		0	0.12	2.1	30.230	06	6.6	7.8	18	NE	14	05			10	10	10	10	
27	38	23	31	-6	11	34	0		1	0.00	0.0	30.150	02	10.8	11.5	22	NE	17	03			6	6	6	6	
28	37	18	28	-9	12	37	0		0	0.00	0.0	30.100	34	10.3	10.8	24	NW	20	32			2	1	1	1	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM							
1119	614					945	0		3.11	10.0	30.010	33	5.5	10.6	44	NW	30	36			FOR	147	143			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	PRECIPITATION	PRECIPITATION		DEP.						DATE: 17	DATE: 2	POSSIBLE	MONTH	AVG.	AVG.						
40.0	21.9	31.0	-2.4	17.7	6.0	0.01	0.01	6	0.20													5	3	5.1		
NUMBER OF DAYS					SEASON TO DATE	TOTAL	TOTAL	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF												
					3553	0	THUNDERSTORMS	0	PRECIPITATION	SNOW, ICE PELLETS																
MAXIMUM TEMP.					MINIMUM TEMP.	DEP.	DEP.	HEAVY FOG	3	1.40	12-13+	3.2	21	3					22+							
≥ 90°					≤ 32°	≤ 32°	≤ 0°	CLEAR	13	PARTLY CLOUDY	4	CLOUDY	11													
0					6	27	0	-187	0																	

* 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.

ERRATA - JAN 1993 - CORRECT HEATING DEGREE DAYS
DEPARTURES TO READ - MTH: -205 SEASON: -255

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

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CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Haden
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1993
WILMINGTON, DE 13781

HOUR	L. S. T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE					WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE					WIND											
				WHOLE	16THS	AIR	WET BULB	DEW POINT	REL HUMIDITY %	DIRECTION	SPEED	AIR			WET BULB	DEW POINT	REL HUMIDITY %	DIRECTION	SPEED	AIR	WET BULB	DEW POINT	REL HUMIDITY %	DIRECTION	SPEED								
FEB 1st																																	
01	10	55	15			46	39	29	52	26	10	0	UNL	15			13	11	2	61	36	20	0	UNL	15			21	17	7	55	21	5
04	10	60	15			46	40	32	58	25	9	0	UNL	15			13	11	2	61	36	16	0	UNL	15			20	17	10	65	25	4
07	5	UNL	15			40	35	27	60	32	20	0	UNL	15			12	10	1	61	36	18	0	UNL	15			23	20	13	65	24	6
10	0	UNL	20			31	25	10	41	35	22	0	UNL	20			20	17	6	54	36	12	5	UNL	15			35	30	20	54	27	10
13	5	UNL	20			29	23	5	36	34	25	0	UNL	20			28	23	9	45	02	13	1	UNL	15			49	40	28	44	26	12
16	0	UNL	20			24	18	1	37	32	24	0	UNL	20			30	24	11	45	32	11	4	UNL	15			53	39	16	23	29	12
19	0	UNL	15			19	15	-2	39	34	20	0	UNL	20			24	20	9	53	32	10	8	UNL	15			44	34	15	31	25	8
22	0	UNL	15			15	15	2	56	34	20	0	UNL	20			23	19	5	46	32	7	8	UNL	15			42	33	15	33	24	8
FEB 2nd																																	
FEB 3rd																																	
FEB 4th																																	
FEB 5th																																	
FEB 6th																																	
FEB 7th																																	
FEB 8th																																	
FEB 9th																																	
FEB 10th																																	
FEB 11th																																	
FEB 12th																																	
FEB 13th																																	
FEB 14th																																	
FEB 15th																																	
FEB 16th																																	
FEB 17th																																	
FEB 18th																																	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.08	0.12	0.16	0.21	0.25	0.30	0.39	0.47	0.57	0.71	0.84	0.92
ENDED: DATE	12	12	12	12	12	12	12	12	12	12	12	12
ENDED: TIME	2246	2250	2254	2300	2308	2308	2154	2215	2246	2300	2324	2340

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.

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1993
WILMINGTON, DE 13781

HOUR L.S.T.	VIST-BILITY				TEMPERATURE				WIND				VIST-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 19th																																FEB 20th																																FEB 21st																																																																	
01	0	UNL	15			14	11	-3	46	32	17	0	UNL	15			15	13	6	67	00	0	10	UNL	10			27	24	16	63	10	3	FEB 22nd																																FEB 23rd																																FEB 24th																															
04	0	UNL	15			11	8	-3	53	33	16	10	UNL	15			33	28	19	56	32	16	2	UNL	15			26	22	12	55	27	10	FEB 25th																																FEB 26th																																FEB 27th																															
07	0	UNL	15			9	7	-4	55	31	11	10	UNL	15			25	21	10	53	13	5	10	UNL	15			26	23	17	69	04	13	FEB 28th																																FEB 29th																																FEB 30th																															
10	0	UNL	20			16	12	-1	47	32	14	10	UNL	15			29	25	16	58	10	5	10	UNL	15			26	24	18	69	07	10	FEB 19th																																FEB 20th																																FEB 21st																															
13	0	UNL	20			21	16	0	40	32	12	4	UNL	15			35	29	17	48	25	6	10	UNL	15			33	32	29	85	13	7	FEB 22nd																																FEB 23rd																																FEB 24th																															
16	0	UNL	20			22	17	-3	33	30	12	7	UNL	15			35	29	16	46	30	7	10	UNL	15			33	33	32	96	11	9	FEB 25th																																FEB 26th																																FEB 27th																															
19	0	UNL	15			17	14	1	49	30	4	8	UNL	15			30	26	17	58	35	6	10	UNL	15			33	33	33	100	10	7	FEB 28th																																FEB 29th																																FEB 30th																															
22	0	UNL	15			18	15	4	54	00	0	10	UNL	15			26	23	16	66	02	7	10	UNL	15			34	34	33	96	06	9	FEB 19th																																FEB 20th																																FEB 21st																															
01	10	2	1	8	F	34	34	34	100	33	3	0	UNL	15			33	28	19	56	32	16	2	UNL	15			26	22	12	55	27	10	FEB 22nd																																FEB 23rd																																FEB 24th																															
04	10	0	0	4	F	34	34	34	100	00	0	0	UNL	15			31	26	17	56	30	8	2	UNL	15			24	20	8	50	30	12	FEB 25th																																FEB 26th																																FEB 27th																															
07	10	1	0	2	LF	34	34	34	100	00	0	0	UNL	10			29	25	17	61	26	8	0	UNL	15			21	17	5	50	31	10	FEB 28th																																FEB 29th																																FEB 30th																															
10	10	3	0	2	F	38	38	38	100	22	3	10	UNL	15			34	28	15	46	28	14	4	UNL	20			26	21	6	42	30	15	FEB 19th																																FEB 20th																																FEB 21st																															
13	3	UNL	12			51	45	39	64	00	0	7	55	15			36	29	15	42	27	16	9	UNL	15			25	21	9	51	30	15	FEB 22nd																																FEB 23rd																																FEB 24th																															
16	6	75	10			46	43	39	77	15	4	9	55	15			34	27	13	42	26	13	8	55	15			27	21	3	35	32	15	FEB 25th																																FEB 26th																																FEB 27th																															
19	8	100	15			42	36	28	58	29	8	4	UNL	15			31	25	13	47	26	10	0	UNL	15			22	18	4	46	33	8	FEB 28th																																FEB 29th																																FEB 30th																															
22	1	UNL	15			37	33	26	65	30	10	2	UNL	15			28	24	14	56	30	10	0	UNL	15			19	16	6	57	30	7	FEB 19th																																FEB 20th																																FEB 21st																															
01	0	UNL	15			18	15	5	57	30	5	10	110	15			25	20	8	48	00	0	10	15	12			27	25	21	78	03	10	FEB 22nd																																FEB 23rd																																FEB 24th																															
04	0	UNL	15			16	14	7	68	30	8	10	60	15			25	21	10	53	13	5	10	65	15			26	23	17	69	04	13	FEB 25th																																FEB 26th																																FEB 27th																															
07	0	UNL	15			16	14	8	71	27	5	10	40	1	8	S	23	22	19	85	12	4	10	65	15			25	21	10	53	03	12	FEB 28th																																FEB 29th																																FEB 30th																															
10	1	UNL	15			22	18	7	52	31	11	10	21	0	12	S	24	23	21	88	06	6	8	250	15			30	23	5	34	03	12	FEB 19th																																FEB 20th																																FEB 21st																															
13	4	UNL	15			27	22	7	43	33	12	10	35	1	4	S	28	26	23	82	06	7	4	UNL	15			35	28	11	37	01	12	FEB 22nd																																FEB 23rd																																FEB 24th																															
16	5	UNL	15			27	21	5	39	32	10	10	27	6		S	30	28	24	78	05	9	4	UNL	15			36	28	9	32	03	9	FEB 25th																																FEB 26th																																FEB 27th																															
19	10	UNL	15			23	19	6	48	31	7	10	55	10			29	27	23	78	06	8	0	UNL	15			28	23	10	47	35	7	FEB 28th																																FEB 29th																																FEB 30th																															
22	10	250	15			25	20	7	46	00	0	10	19	12			29	27	23	78	05	8	5	UNL	15			25	21	9	51	35	6	FEB 19th																																FEB 20th																																FEB 21st																															

WEATHER CODES

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE ZL FREEZING DRIZZLE S SNOW | <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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).

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.990	29	25	17	62	9.2	32	5.1
04	5	29.990	27	24	17	66	8.6	33	4.7
07	5	30.025	26	24	18	71	10.3	35	5.7
10	5	30.040	31	27	18	62	12.3	34	6.5
13	5	30.000	36	30	19	53	12.7	33	6.4
16	5	29.990	37	30	17	50	12.9	32	6.7
19	5	30.010	32	28	18	60	9.5	33	3.8
22	5	30.020	30	26	18	63	8.8	32	4.7

