

FEB 1988
WILMINGTON, DE
NAT'L WEA SER OFC
AIRPORT TERMINAL BLDG

ISSN 0198-117X

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 1988
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																
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23												
01	65*	44	55*	24	50	10	0		0	0.00	0.0	30.150	21	9.9	10.4	28	SW	17	21			10	9												
02	63	37	50	19	50	15	0	1 4	0	0.30	0	30.020	26	4.5	12.5	31	NW	17	34			10	10												
03	37	33	35	4	30	30	0	1 4	0	T	T	30.280	07	6.5	9.2	16	N	16	01			10	10												
04	43	24	34	3	29	31	0	1	0	0.35	0.0	29.900	32	6.1	12.1	35	NW	21	32			10	8												
05	33	21	27	-5	10	38	0		0	T	T	30.135	30	11.3	11.8	28	NW	18	32			5	4												
06	23	13	18	-14	-2	47	0		T	T	T	30.310	31	11.8	12.1	39	NW	18	31			0	2												
07	26	8*	17*	-15	0	48	0		0	0.00	0.0	30.435	22	5.7	10.3	25	NW	16	18			1	2												
08	40	21	31	-1	15	34	0		0	0.00	0.0	30.280	32	3.5	6.8	21	NW	16	18			6	8												
09	39	24	32	-1	22	33	0		0	0.00	0.0	30.225	14	3.7	6.6	16	S	13	18			10	7												
10	44	23	34	2	21	31	0	1 8	0	0.00	0.0	30.270	32	5.5	6.4	21	NW	15	32			3	3												
11	42	29	36	4	23	29	0	1	0	0.62	0.7	30.300	07	12.9	13.2	32	E	24	07			9	8												
12	40	24	32	0	32	33	0	1	0	1.14	0.3	29.600	35	8.6	15.9	39	NW	25	31			10	10												
13	27	20	24	-9	6	41	0		T	0.00	0.0	29.690	29	19.7	20.0	43	NW	26	29			4	2												
14	36	19	28	-5	10	37	0		T	0.00	0.0	30.080	27	7.8	10.4	33	NW	18	29			2	3												
15	53	28	41	8	37	24	0	2	0	0.33	0.0	29.730	19	7.5	8.5	29	SW	15	22			9	7												
16	46	31	39	6	29	26	0	1	0	0.06	0.0	29.740	32	12.7	13.8	40	NW	25	33			5	5												
17	49	26	38	5	27	27	0	1	0	0.00	0.0	30.100	21	4.0	5.9	14	S	9	17			3	3												
18	52	29	41	7	27	24	0	1 8	0	0.00	0.0	30.080	35	5.6	6.2	21	N	14	36			8	7												
19	47	29	38	4	33	27	0	1 4 8	0	1.1*	T	29.870	09	7.0	8.3	25	E	16	09			10	10												
20	48	41	45	11	41	20	0	1	0	0.05	0.0	29.460	25	6.1	7.7	23	NW	16	30			10	10												
21	41	21	31	-3	9	34	0		0	0.00	0.0	29.840	30	13.3	14.3	35	NW	26	30			2	2												
22	48	19	34	-1	17	31	0		0	0.00	0.0	30.010	20	11.2	11.6	35	S	24	19			3	2												
23	61	39	50	15	33	15	0	1	0	0.04	0.0	29.780	23	9.5	12.5	32	NW	25	30			5	5												
24	39	29	34	-1	18	31	0		0	0.00	0.0	29.950	30	10.9	11.8	30	NW	20	30			1	3												
25	35	24	30	-6	14	35	0		0	T	T	30.020	29	7.6	8.3	22	NW	14	28			4	2												
26	36	21	29	-7	14	36	0		0	0.00	0.0	30.050	28	2.9	8.5	23	NW	14	34			3	4												
27	46	33	40	4	29	25	0	1 8	0	0.07	0.1	29.770	06	9.4	10.4	26	NE	17	06			10	10												
28	40	28	34	-2	23	31	0		0	T	T	29.990	34	5.2	8.2	21	NE	14	01			4	4												
29	50	27	39	3	26	26	0	8	0	0.00	0.0	29.955	26	5.6	7.4	18	NW	14	30			5	2												
SUM																						FOR THE MONTH:		TOTAL	%	SUM	SUM								
1249		765		869		0		NUMBER OF DAYS		4.14		1.1		30.000		29		3.7		10.4		43		NW		26		30		FOR		172		162	
AVG.		AVG.		AVG.		DEP.		PRECIPITATION		DEP.								DATE: 13		DATE: 21+		POSSIBLE						MONTH		AVG.		AVG.			
43.1		26.4		34.8		1.6		23.1		-50		0		10		1.15														5.9		5.6			
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES						GREATEST DEPTH ON GROUND OF																			
TOTAL						TOTAL		≥ 1.0 INCH		0		PRECIPITATION		SNOW, ICE PELLETS		SNOW, ICE PELLETS OR ICE AND DATE																			
MAXIMUM TEMP.						MINIMUM TEMP.		3790		0		THUNDERSTORMS		0																					
≥ 90°						≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		1		1.72		11-12		0.7		11		1		28+					
0						3		23		0		8		0		CLEAR		9		PARTLY CLOUDY		8		CLOUDY		12									

* 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

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Kenneth D. Walden
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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HOUR U.S.T.		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		VISI-BILITY		TEMPERATURE						WIND		REL HUMIDITY %		WEATHER		HOUR U.S.T.		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		VISI-BILITY		TEMPERATURE						WIND		REL HUMIDITY %		WEATHER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
								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)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				</

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).

FEB 1988 13781
WILMINGTON, DE

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)
				AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	6	30	00.0	32	29	23	70	9.1	29	2.2
04	5	29	99.5	31	29	22	71	8.8	28	2.9
07	5	30	01.0	31	28	22	71	9.6	28	3.3
10	5	30	03.0	36	32	23	60	11.7	30	5.3
13	7	29	99.0	40	35	24	55	12.5	29	6.5
16	7	29	97.0	40	35	24	56	11.8	29	5.7
19	6	30	00.0	35	31	23	64	9.4	28	1.8
22	5	30	01.0	33	30	23	68	9.9	31	2.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

FEB 1988
WILMINGTON, DE

13781

WILMINGTON, DE

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																									02
03	T	T								T	T	0.02	0.02	T	0.02	0.09	0.04	0.06	0.01	T	T	0.01	0.01	0.02	03
04																									04
05					T	0.02	T	0.03	0.11	0.11	0.07	0.01	T												05
06																									06
07		T	T																						07
08																									08
09																									09
10																									10
11																		T	0.01	0.03	0.11	0.16	0.12	0.19	11
12	0.15	0.24	0.37	0.29	0.05	T		T	T	T		T	T	T		T	T	T	0.01	0.01	0.01	0.01	T		12
13																									13
14																									14
15															T	0.01	0.02	0.03	0.01	0.01	0.01	0.02	0.06	0.16	15
16	0.05	T	0.01	T	T	T	T																		16
17																									17
18																									18
19										T	T	T			T	0.03	0.09	0.02	0.14	0.11	0.23	0.33	0.21	0.02	19
20	T	T																0.04	0.01	T					20
21																									21
22																									22
23																T	0.02	0.02	T	T					23
24																									24
25											T		T												25
26																									26
27																									27
28	T	T						T	T						T	T	T	0.03	0.03	T	T	T	T	0.01	28
29																									29

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	M	M	M	M	M	M	M	M	M	M	M	M
ENDED: DATE												
ENDED: TIME												

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:
DICK WOLF

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