

JAN 1992
 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

JAN 1992
 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	42	20	31	-1	26	34	0		0	0.00	0.0	30.470	34	2.2	4.0	8	SW	8	36			10	7		
02	53	34	44	12	38	21	0		0	0.0	T	30.300	04	5.6	6.2	17	NE	12	04			4	7		
03	55	43	49	17	45	16	0	1	8	0.00	0.0	30.030	05	14.4	14.5	28	NE	20	05			10	10		
04	49	44	47	15	46	18	0	1		0.16	0.0	29.650	04	20.0	20.5	46	NE	31	06			10	10		
05	53	34	44	12	39	21	0		0	0.00	0.0	29.695	34	14.1	14.5	32	NW	23	33			9	8		
06	46	33	40	8	31	25	0		0	0.00	0.0	29.730	30	8.6	9.5	22	NW	15	30			5	3		
07	44	32	38	7	30	27	0		0	0.00	0.0	29.930	30	13.0	13.3	28	NW	22	29			10	7		
08	47	28	38	7	26	27	0		0	0.00	0.0	30.125	30	5.5	6.3	17	NW	14	34			0	2		
09	46	31	39	8	40	26	0	1		0.06	0.0	29.850	21	2.2	6.0	15	NW	10	26			10	10		
10	48	32	40	9	37	25	0	1		0.02	0.0	29.650	29	10.0	10.9	35	NW	18	31			10	7		
11	43	34	39	8	25	26	0		0	0.00	0.0	29.860	30	12.2	12.6	30	NW	20	31			9	8		
12	49	28	39	8	31	26	0		0	0.00	0.0	30.025	19	4.3	5.8	16	SW	14	22			6	6		
13	55	34	45	14	37	20	0	1		0.0	T	0.0	0.0	29.740	17	1.9	2.6	10	S	7	15	8	8		
14	67*	31	49	18	39	16	0	2		0.14	0.0	29.190	24	11.2	17.5	48	W	26	28			7	7		
15	32	24	28	-3	9	37	0		0	0.00	0.0	29.780	30	11.1	13.0	49	NW	25	31			2	3		
16	31	15	23	-8	2	42	0		9	T	0.1	29.780	30	16.0	18.9	49	NW	33	33			5	4		
17	37	14	26	-5	16	39	0		0	0.00	0.0	29.770	23	8.6	9.5	25	W	14	27			8	7		
18	36	18	27	-4	5	38	0		0	0.00	0.0	29.985	29	15.9	16.6	31	NW	22	32			9	6		
19	23	10*	17*	-14	-2	48	0		0	0.00	0.0	30.220	31	10.3	11.3	28	NW	22	32			1	2		
20	37	13	25	-6	11	40	0		0	T	T	29.920	26	5.8	10.1	22	NW	16	33			10	8		
21	43	22	33	2	18	32	0		0	0.00	0.0	29.950	33	1.4	4.9	18	NW	13	35			1	3		
22	43	20	32	1	23	33	0	1		0.00	0.0	30.180	06	3.5	6.5	16	NE	12	06			10	7		
23	60	37	49*	18	42	16	0	2		0.45	0.0	29.590	14	3.9	10.9	35	S	21	15			10	10		
24	46	24	35*	4	20	30	0		0	0.15	T	29.545	28	18.2	19.3	44	W	31	26			5	4		
25	30	21	26	-5	10	39	0	1		0.02	0.6	30.090	29	7.0	9.8	31	W	18	31			10	7		
26	31	18	25	-6	17	40	0	1		1	0.05	30.270	33	6.8	8.0	26	NW	15	32			3	4		
27	36	16	26	-5	19	39	0	1		1	0.00	30.390	19	2.3	3.9	16	S	12	19			10	7		
28	44	25	35	4	25	30	0	1		0.00	0.0	30.270	04	5.3	5.9	16	NE	12	06			1	3		
29	45	24	35	4	27	30	0	1	8	0.00	0.0	30.160	27	3.5	5.3	14	SW	9	22			5	2		
30	47	24	36	5	31	29	0	2	8	0.00	0.0	29.865	19	2.8	3.9	10	SW	9	22			9	7		
31	44	37	41	10	31	24	0	1	8	T	0.0	29.590	31	9.0	9.5	23	NW	18	33			10	10		
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM						
1362	820				914	0	0			1.05	1.5	29.920	31	4.8	10.0	49	NW	33	33			217	194		
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.						DATE: 16+	DATE: 16	POSSIBLE				MONTH	AVG.	AVG.	
43.9	26.5	35.2	4.0	25.6	-134	0	0	8	8	-2.06												7.0	6.3		
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						SNOW, ICE PELLETS OR ICE AND DATE												
MAXIMUM TEMP.		MINIMUM TEMP.		25.48		0		THUNDERSTORMS		0		PRECIPITATION		SNOW, ICE PELLETS											
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		23-24		1.4		25-26		1		27+			
0		5		22		0		-315		0		CLEAR		6		PARTLY CLOUDY		7		CLOUDY		18			

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
 † 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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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Hadden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1992
WILMINGTON, DE

13781

HOUR	L.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				WEATHER	TEMPERATURE				WIND							
		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)						
JAN 1st																														
01	0	UNL	15		22	21	18	85	34	4	10	21	15		35	34	32	89	33	3	10	60	7		45	44	43	93	05	9
04	0	UNL	20		20	19	16	84	33	5	8	20	15		37	35	32	82	36	4	9	80	7		45	45	44	96	06	9
07	10	UNL	20		21	20	16	81	33	3	8	65	15		36	35	34	93	35	5	10	2	1	8	44	44	44	100	05	12
10	10	28	15		33	30	24	70	02	4	10	19	8		43	40	35	74	03	7	10	150	5		47	47	46	96	05	12
13	10	35	15		40	36	30	68	23	3	1	UNL	9		51	46	40	66	03	7	10	120	8		52	50	47	83	05	14
16	10	32	15		40	36	30	68	14	4	3	UNL	9		52	47	41	66	04	4	10	31	15		55	50	45	69	05	14
19	10	29	15		39	36	31	73	08	4	9	30	15		49	46	42	77	06	6	10	24	15		47	46	44	89	06	13
22	7	28	15		35	34	33	92	34	3	10	55	15		45	44	43	93	06	9	10	21	10		47	45	43	86	05	14
JAN 2nd																														
JAN 3rd																														
JAN 4th																														
JAN 5th																														
JAN 6th																														
JAN 7th																														
JAN 8th																														
JAN 9th																														
JAN 10th																														
JAN 11th																														
JAN 12th																														
JAN 13th																														
JAN 14th																														
JAN 15th																														
JAN 16th																														
JAN 17th																														
JAN 18th																														

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.04	0.05	0.07	0.08	0.10	0.13	0.15	0.18	0.20	0.21	0.24	0.27
ENDED: DATE	23	23	23	23	23	23	23	23	23	23	23	23
ENDED: TIME	1616	1621	1411	1415	1425	1445	1452	1513	1513	1536	1628	1628

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

JAN 1992
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	1/8THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																		
JAN 19th																																	JAN 20th																																	JAN 21st																																
01	8	130	15		17	13	-5	37	32	16	7	UNL	15			14	11	0	53	22	4	8	UNL	15				23	20	12	63	24	4																																																																	
04	6	130	15		14	11	-3	46	30	10	10	95	12			19	15	1	45	18	10	10	75	15				26	22	12	55	04	3																																																																	
07	2	UNL	12		12	10	2	64	31	8	10	100	12			22	18	6	50	17	10	0	UNL	15				24	21	14	66	22	4																																																																	
10	0	UNL	20		18	14	-2	41	32	13	10	60	12			26	22	11	53	21	7	0	UNL	12				32	27	16	52	17	7																																																																	
13	0	UNL	20		22	17	-3	33	33	16	8	75	12			34	28	14	44	25	9	3	UNL	10				41	33	20	43	33	10																																																																	
16	0	UNL	20		22	16	-5	30	31	10	10	45	12			36	30	17	46	29	12	0	UNL	10				41	34	21	45	36	5																																																																	
19	0	UNL	15		16	12	-3	43	28	6	6	50	15			32	29	22	67	33	14	0	UNL	12				34	30	22	62	05	5																																																																	
22	0	UNL	15		16	12	-1	47	34	4	0	UNL	15			25	22	15	66	29	6	0	UNL	10				30	27	22	72	00	0																																																																	
JAN 22nd											JAN 23rd											JAN 24th																																																																												
01	0	UNL	12		25	23	20	81	00	0	10	17	10			37	34	30	76	06	11	10	47	6		RN	45	44	43	93	27	16																																																																		
04	0	UNL	8		22	21	20	92	31	4	10	33	15			39	36	32	76	06	9	1	UNL	15				40	36	31	70	25	9																																																																	
07	8	UNL	7		21	20	18	88	34	6	10	7	15			42	40	38	86	06	9	8	200	20				39	34	27	62	28	14																																																																	
10	10	UNL	7		36	31	23	59	01	4	10	3	0		8	44	44	43	96	00	0	1	UNL	15				41	34	23	49	26	15																																																																	
13	10	UNL	10		41	33	20	43	10	5	10	1	0		6	45	45	45	100	13	6	7	55	15				38	33	23	55	27	18																																																																	
16	10	250	10		39	33	23	53	17	8	10	17	5		50	50	49	96	15	18	10	90	15				35	28	13	40	27	20																																																																		
19	10	120	10		38	34	27	65	09	6	10	17	10		55	53	52	90	24	14	3	UNL	15				30	24	11	45	27	17																																																																		
22	10	25	10		37	34	28	70	08	10	10	85	12		47	46	44	89	24	10	0	UNL	15				26	21	6	42	29	19																																																																		
JAN 25th											JAN 26th											JAN 27th																																																																												
01	0	UNL	20		24	19	5	44	29	16	10	14	0	12	SF	25	24	23	92	06	8	0	UNL	15				19	18	15	84	33	3																																																																	
04	6	49	20		25	20	8	48	30	15	10	11	6		SF	26	25	22	85	01	9	2	UNL	12				18	17	14	84	00	0																																																																	
07	0	UNL	20		23	19	6	48	31	9	10	37	7		S	25	23	19	78	33	7	2	UNL	8				17	16	13	84	00	0																																																																	
10	10	250	15		27	22	8	45	29	11	1	UNL	12			27	24	18	69	32	12	10	250	7				29	26	18	64	18	6																																																																	
13	10	110	15		29	23	8	41	27	10	3	UNL	15			30	25	13	49	35	8	10	40	15				34	29	18	52	19	10																																																																	
16	10	90	15		29	23	8	41	25	7	3	UNL	15			30	25	14	51	30	12	10	34	15				35	31	23	62	17	6																																																																	
19	10	95	15		29	24	10	45	14	4	0	UNL	15			25	22	13	60	00	0	4	UNL	15				33	30	24	70	00	0																																																																	
22	10	38	1	8 S	26	25	22	85	18	6	0	UNL	15			22	20	15	74	00	0	10	120	15				31	29	25	79	00	0																																																																	
JAN 28th											JAN 29th											JAN 30th																																																																												
01	10	140	12		33	30	26	76	00	0	0	UNL	10			26	25	22	85	36	3	0	UNL	4			F	27	26	24	89	31	3																																																																	
04	7	250	8		30	28	24	78	00	0	0	UNL	7			25	24	22	88	34	4	0	UNL	2	12		F	27	27	26	96	00	0																																																																	
07	7	250	7		25	24	21	85	36	4	3	UNL	5			26	25	22	85	33	5	4	UNL	3			F	25	24	23	92	00	0																																																																	
10	0	UNL	7		36	32	24	62	05	9	10	250	5		F	35	33	30	82	26	4	10	UNL	0			4	FK	34	33	31	89	15	4																																																																
13	0	UNL	9		41	35	25	53	05	7	3	UNL	7			43	38	30	60	21	6	8	UNL	2	12		HK	45	40	34	66	16	7																																																																	
16	0	UNL	9		43	36	26	51	06	5	0	UNL	7			44	38	30	58	22	8	10	250	4			H	46	42	37	71	17	4																																																																	
19	0	UNL	8		36	32	26	67	03	6	0	UNL	7			35	32	28	76	27	5	10	150	4			FH	40	38	36	86	20	3																																																																	
22	0	UNL	10		34	31	27	76	11	3	0	UNL	4		F	31	30	27	85	25	5	10	65	5			F	39	38	36	89	23	4																																																																	
JAN 31st											JAN 31st											JAN 31st																																																																												
01	10	80	5		F	39	37	35	86	28	5																																																																																							
04	10	45	6		H	40	38	34	79	31	4																																																																																							
07	10	43	7			40	37	33	76	00	0																																																																																							
10	10	41	7			44	39	33	65	32	8																																																																																							
13	10	55	8			44	39	31	60	31	11																																																																																							
16	10	55	10			42	37	30	63	31	11																																																																																							
19	10	55	12			40	36	29	65	30	12																																																																																							
22	10	55	12			39	34	27	62	30	13																																																																																							

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	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)		
		AIR TEMP OF	WET BULB OF	DEN POINT OF					
01	6	29.940	32	30	25	76	8.7	32	4.8
04	5	29.930	31	29	24	77	8.4	32	3.6
07	6	29.930	31	28	23	76	9.7	31	5.1
10	7	29.960	37	33	26	68	11.2	31	4.5
13	7	29.890	41	36	27	60	13.0	30	6.0
16	7	29.880	41	36	27	59	12.1	29	5.5
19	6	29.910	37	33	26	68	9.2	30	4.3
22	6	29.930	34	32	26	74	8.9	30	4.6

