

JAN 1994
 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

JAN 1994
 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 MINUTES	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		
01	41	19	30	-2	24	35	0	1		T	0.12	0.0	30.140	19	5.1	5.3	22	S	13	18			9	7
02	49	28	39	7	32	26	0	2		T	0.0	0.0	29.940	35	5.8	6.9	23	NW	18	33			4	6
03	37	33	35	3	24	30	0	1	4	0	0.22	T	29.970	05	13.7	14.0	36	NE	23	05			10	10
04	36	25	31	0	29	34	0	1	4	6	0.44	T	29.330	36	6.8	12.6	32	NE	23	05			10	9
05	35	22	29	-2	17	36	0				0.00	0.0	29.920	28	9.4	10.6	37	NW	23	30			2	1
06	31	21	26	-5	14	39	0				0.00	0.0	30.130	07	5.9	7.3	18	NE	10	07			10	9
07	33	30	32	1	29	33	0	1	6		0.48	0.0	29.860	05	9.0	9.2	17	NE	14	07			10	10
08	34	15	25	-6	22	40	0	1	4	6	0.23	0.3	29.835	30	10.5	11.4							4	4
09	26	13	20	-11	11	45	0				0.00	0.0	30.340	29	9.5	10.6	25	NW	17	29			1	0
10	28	14	21	-10	13	44	0				0.00	0.0	30.660	30	4.5	5.5	17	NW	12	34			2	2
11	38	17	28	-3	24	37	0				0.00	0.0	30.430	20	1.2	1.7	14	SW	10	21			10	9
12	36	33	35	4	32	30	0	1	4		0.38	T	30.050	04	5.8	6.5	21	NE	13	04			10	10
13	38	34	36	6	33	29	0	1			0.00	T	29.790	27	1.7	2.5	12	N	9	34			10	10
14	39	17	28	-2	25	37	0	1			0.04	T	29.530	30	9.3	10.4	38	NW	23	32			10	10
15	17	6	12	-18	-5	53	0				0.00	T	29.975	29	17.2	17.6	36	NW	23	29			7	4
16	16	5	11	-19	-7	54	0				0.00	0.0	30.550	29	7.2	10.3	31	W	17	31			3	3
17	34	15	25	-5	19	40	0	1	4	6	1.28	0.8	30.090	21	4.9	7.8	23	S	17	19			10	10
18	34	2	18	-12	6	47	0	1	6	6	0.05	0.4	29.970	31	14.8	15.2	30	W	20	30			3	3
19	4	-5*	-1*	-31	-11	66	0				0.00	0.0	30.530	30	12.1	12.5	29	NW	20	32			0	1
20	14	3	9	-21	0	56	0	1	6	1	T	0.2	30.590	32	6.0	6.6	15	N	12	34			9	9
21	19	1	10	-20	3	55	0				0.00	0.0	30.470	31	4.9	6.8	15	NW	12	33			2	2
22	31	11	21	-9	14	44	0	1	6	1	0.00	0.0	30.190	28	8.3	9.1	26	NW	18	29			0	2
23	32	20	26	-4	21	39	0	1	6	1	0.00	0.0	30.140	22	1.3	3.3	12	S	8	34			10	9
24	51	28	40	10	31	25	0	1	6	1	0.00	0.0	30.040	28	6.1	7.3	20	NW	15	31			6	5
25	46	29	38	8	32	27	0	1	8		0.10	0.0	30.185	09	2.6	3.3	16	NE	14	10			10	8
26	37	21	29	-1	23	36	0	1	6	1	0.33	1.0	30.330	05	13.8	14.1	31	NE	20	04			10	10
27	34	13	24	-6	17	41	0	1	4	6	0.06	T	30.500	06	11.4	11.6	21	NE	15	06			10	10
28	56*	34	45*	14	41	20	0	2	6	6	1.27	0.0	29.760	21	5.2	9.5	28	S	20	24			10	10
29	42	33	38	7	30	27	0	1			0.00	0.0	29.900	29	6.6	8.2	28	W	14	33			10	9
30	38	27	33	-2	20	32	0				0.00	0.0	30.155	01	8.5	9.0	17	N	14	35			7	6
31	36	22	29	-2	14	36	0				0.00	0.0	30.130	34	6.1	6.9	17	N	12	32			7	6

SUM		AVG.		SEASON TO DATE		NUMBER OF DAYS		PRECIPITATION		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE	
SUM	AVG.	TOTAL	AVG.	TOTAL	DEP.	DEP.	PRECIPITATION	SNOW, ICE PELLETS	PRECIPITATION	SNOW, ICE PELLETS	DATE: 14	DATE: 15+	POSSIBLE MONTH
1042	586	1193	63.3	2939	0	0	5.00	13	1.97	27-28+	17-18		216
33.6	18.9	127	18.5	0	0	0	1.97	1					7.0
MAXIMUM TEMP.		MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS					
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	2	1.33	27-28+	1.2	17-18		28+
0	10	26	1	84	0	CLEAR	8	PARTLY CLOUDY	6	CLOUDY	17		

* 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



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1994
WILMINGTON, DE

13781

HOUR U.S.T.	VISI-BILITY				TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND																																																																																																														
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																																																																				
JAN 1st																																	JAN 2nd																																	JAN 3rd																																																																	
01	0	UNL	15		26	24	18	72	25	4	10	65	5		35	35	35	100	00	0	10	48	10			36	30	18	48	02	8	8	JAN 4th																																	JAN 5th																																	JAN 6th																																
04	0	UNL	15		25	23	18	75	00	0	7	140	1		34	34	34	100	23	3	10	45	10			33	28	18	54	04	8	8	JAN 7th																																	JAN 8th																																	JAN 9th																																
07	4	UNL	12		23	22	19	85	00	0	4	UNL	0		29	29	29	100	00	0	10	48	10			33	28	18	54	06	8	8	JAN 10th																																	JAN 11th																																	JAN 12th																																
10	8	UNL	8		33	31	27	79	16	4	1	UNL	10		43	40	36	76	34	3	10	55	15			33	28	18	54	08	8	8	JAN 13th																																	JAN 14th																																	JAN 15th																																
13	10	250	10		40	35	28	62	20	10	2	UNL	12		48	42	34	59	33	13	10	UNL	15			36	31	23	59	05	13	13	JAN 16th																																	JAN 17th																																	JAN 18th																																
16	10	220	12		40	35	26	57	18	11	5	UNL	10		47	41	32	56	34	5	10	16	12			35	31	25	67	06	12	16	JAN 19th																																	JAN 20th																																	JAN 21st																																
19	10	200	12		39	33	24	55	20	9	3	UNL	10		39	36	31	73	33	3	10	9	12			36	35	33	89	05	16	16	JAN 22nd																																	JAN 23rd																																	JAN 24th																																
22	10	55	7	R	37	35	32	82	21	6	10	46	10		39	35	30	70	03	9	10	55	5	R	35	35	34	96	05	16	16	JAN 25th																																	JAN 26th																																	JAN 27th																																	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.09	0.14	0.17	0.19	0.22	0.24	0.29	0.35	0.46	0.51	0.60	0.66
ENDED: DATE	28	28	28	28	28	28	28	28	28	28	28	28
ENDED: TIME	1217	1223	1227	1233	1233	1246	1255	1237	1227	1246	1246	1319

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 1994
WILMINGTON, DE 13781

HOUR L.S.T.		JAN 19th							JAN 20th							JAN 21st																		
		VISI-BILITY		TEMPERATURE			WIND		VISI-BILITY		TEMPERATURE			WIND		VISI-BILITY		TEMPERATURE			WIND													
		SKY COVER (TENTHS)	CELLING 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)	CELLING 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)	CELLING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
01	0	UNL	15			1	-1	-11	56	30	14	10	70	12			4	2	-8	57	28	5	2	UNL	15			5	4	-1	76	34	5	
04	0	UNL	15			-2	-3	-14	56	30	10	10	10	8		SF	6	5	-1	73	27	6	0	UNL	15			5	4	-2	73	35	9	
07	0	UNL	15			-5	-6	-16	58	30	11	10	14	4		SF	6	5	2	83	35	6	0	UNL	15			2	1	-3	79	32	7	
10	0	UNL	15			-3	-4	-14	59	31	15	10	120	12			8	6	-1	66	34	10	0	UNL	15			13	11	3	64	34	8	
13	0	UNL	20			1	-1	-12	54	32	16	9	200	15			13	11	2	61	31	5	2	UNL	15			18	15	5	57	33	7	
16	0	UNL	20			2	0	-10	57	31	10	10	140	15			13	11	1	58	29	5	4	UNL	15			19	16	5	54	31	7	
19	1	UNL	20			1	0	-10	59	25	5	8	200	15			10	8	7	67	30	7	8	110	15			16	15	10	77	21	5	
22	2	UNL	20			1	0	-8	65	31	5	7	200	15			8	7	2	76	31	5	6	120	15			13	12	8	80	22	3	
JAN 22nd																																		
01	0	UNL	15			12	11	7	80	24	5	7	UNL	15			20	18	12	71	30	7	8	38	4			F	30	29	27	89	00	0
04	10	47	15			16	15	12	84	24	8	10	120	15			23	21	16	75	00	0	0	UNL	5			F	31	30	28	89	24	7
07	3	UNL	15			15	14	12	88	25	4	4	UNL	12			23	21	16	75	12	4	2	UNL	8			F	33	32	31	92	24	7
10	0	UNL	8			24	22	16	72	29	7	10	55	6			25	23	19	78	23	4	4	UNL	6			F	40	37	33	76	25	8
13	0	UNL	10			28	24	16	61	30	15	10	47	7			28	25	20	72	16	5	10	33	15			47	41	33	58	27	8	
16	0	UNL	12			30	26	16	56	30	12	10	55	6			30	28	24	78	00	0	6	UNL	15			50	42	31	48	26	10	
19	0	UNL	12			25	22	15	66	30	7	10	50	7			30	29	27	89	00	0	5	UNL	15			44	38	30	58	30	5	
22	5	UNL	15			23	20	12	63	30	5	10	49	7			32	31	28	85	00	0	5	UNL	15			42	38	31	65	33	7	
JAN 23rd																																		
JAN 24th																																		
JAN 25th																																		
JAN 26th																																		
JAN 27th																																		
JAN 28th																																		
JAN 29th																																		
JAN 30th																																		
JAN 31st																																		

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	7	30.110	25	23	18	77	8.0	33	3.9
04	6	30.110	24	22	18	77	7.6	33	3.1
07	6	30.120	23	21	17	80	7.5	35	2.3
10	6	30.150	27	25	19	73	9.7	32	3.1
13	7	30.090	30	27	20	67	11.1	31	5.1
16	7	30.090	30	26	19	67	10.1	33	5.8
19	7	30.110	27	25	19	73	8.1	32	4.2
22	7	30.120	26	24	19	76	8.0	33	3.8

WEATHER CODES

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

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).

