

AUG 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 13871

AUG 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	FATEST 1-MIN	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	90	68	79	2	66	0	14		0	0.00	0.0	29.800	18	2.7	6.2	18	S	13	17			7	7	
02	93	70	82	5	68	0	17	1	0	0.00	0.0	29.745	21	5.0	6.4	24	SW	14	23			6	5	
03	93	71	82	5	67	0	17	1	0	0.0	0.0	29.890	24	2.6	5.8	17	W	14	26			7	6	
04	91	68	80	4	65	0	15	1	0	0.0	0.0	29.920	30	5.3	6.8	35	NW	17	35			8	8	
05	84	63	74	-2	59	0	9	1	0	0.00	0.0	29.970	32	4.9	6.7	22	N	12	24			5	5	
06	72	65	69*	-7	62	0	4	1 3	0	1.02	0.0	29.910	04	7.4	8.2	21	NE	13	05			10	10	
07	80	64	72	-4	64	0	7	1	0	0.0	0.0	29.980	31	0.5	6.1	14	N	9	36			8	9	
08	85	66	76	0	67	0	11	1	0	0.0	0.0	30.130	13	2.3	5.5	13	SE	10	13			7	7	
09	85	67	76	0	67	0	11	1	0	0.00	0.0	30.205	15	4.6	6.5	21	S	14	16			5	3	
10	83	64	74	-2	65	0	9	1	0	0.00	0.0	30.170	15	5.3	6.0	18	S	14	16			6	4	
11	81	66	74	-2	65	0	9	1	0	0.03	0.0	30.090	15	5.4	6.6	21	W	14	16			9	8	
12	83	66	75	-1	66	0	10	1	0	0.27	0.0	29.980	17	2.1	5.8	14	S	9	17			3	4	
13	87	68	78	2	68	0	13	1 3	0	0.08	0.0	29.900	16	2.9	5.8	21	E	14	27			4	4	
14	92	68	80	5	67	0	15	1	0	0.00	0.0	29.900	33	4.8	5.6	18	N	13	30			4	4	
15	94	68	81	6	66	0	16	1	0	0.00	0.0	29.910	33	1.0	5.1	14	NE	9	17			6	5	
16	88	72	80	5	71	0	15	1 3	0	0.03	0.0	29.910	16	6.8	7.1	22	S	14	19			9	9	
17	84	73	79	4	72	0	14	1 3	0	0.13	0.0	29.815	06	4.0	7.3	16	S	14	19			10	10	
18	86	71	79	4	68	0	14	1	0	0.00	0.0	29.885	04	7.8	9.2	21	NE	14	01			8	6	
19	86	66	76	1	66	0	11	1	0	0.00	0.0	29.960	14	3.0	7.0	16	S	10	16			5	3	
20	89	69	79	4	71	0	14	1 3	0	0.97	0.0	29.780	23	6.1	8.4	30	SW	20	23			9	7	
21	84	65	75	1	63	0	10	1	0	0.00	0.0	29.850	35	9.8	10.5	22	N	16	33			3	2	
22	83	57*	70	-4	58	0	5		0	0.00	0.0	30.020	07	2.0	7.0	13	E	10	05			3	2	
23	84	63	74	0	67	0	9	1	0	0.00	0.0	30.010	16	5.9	6.6	18	SE	14	18			5	4	
24	87	69	78	4	68	0	13		0	0.00	0.0	30.000	18	8.5	9.0	21	S	16	16			2	3	
25	95	72	84	10	71	0	19		0	0.02	0.0	30.025	25	2.0	5.1	16	NW	10	33			2	3	
26	97	72	85	11	70	0	20	1	0	0.00	0.0	30.065	18	0.9	5.0	12	S	8	16			1	1	
27	94	72	83	10	73	0	18	1	0	0.00	0.0	29.975	18	4.7	5.2	17	S	14	16			1	1	
28	97*	74	86*	13	74	0	21	1 3	0	0.10	0.0	29.860	24	4.7	7.1	37	N	14	36			5	5	
29	92	69	81	8	64	0	16	1	0	0.00	0.0	29.950	02	4.1	6.3	20	N	17	02			3	2	
30	90	67	79	6	69	0	14	1	0	0.00	0.0	30.000	16	4.2	5.5	17	S	13	16			2	2	
31	87	72	80	7	74	0	15	1	0	0.00	0.0	29.930	15	4.4	5.9	20	S	13	17			10	9	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL	FOR THE MONTH:					TOTAL	%	SUM	SUM				
2716	2105					0	405			2.65	0.0	29.950	16	1.1	6.6	37	N	20	23			FOR	173	158
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.						DATE: 28	DATE: 20	POSSIBLE	MONTH	AVG.	AVG.			
87.6	67.9	77.8	2.8	67.0		0	95	≥ .01 INCH.	9	-0.75												5.6	5.1	
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.				0	1189	THUNDERSTORMS	6	PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°	≤ 32°	≤ 32°	≤ 0°			DEP.	DEP.	HEAVY FOG	0	1.02	06	0.0												
12	0	0	0			0	283	CLEAR	9	PARTLY CLOUDY	13	CLOUDY	9											

* 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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ASHEVILLE NORTH CAROLINA

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NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1993 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	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		AIR of	NET 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	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
AUG 1st																														
01	0	UNL	12		70	66	63	79	00	0	3	UNL	10		74	69	66	76	18	3	0	UNL	8		75	72	70	85	00	0
04	9	110	10		68	66	64	87	31	5	2	UNL	10		71	69	67	87	16	4	5	UNL	6	F	73	71	70	90	00	0
07	9	120	10		72	68	65	79	34	5	0	UNL	4	F	74	71	69	85	00	0	8	120	6	F	77	72	70	79	33	5
10	3	UNL	15		84	72	65	53	00	0	7	UNL	7		87	74	68	53	21	8	9	120	8		87	70	61	42	00	0
13	7	85	15		86	72	65	50	20	8	10	220	9		91	77	71	52	17	9	8	70	8		89	70	59	36	25	8
16	9	100	15		85	72	65	51	18	8	10	250	8		90	73	65	44	27	8	4	UNL	10		93	73	62	36	16	6
19	10	UNL	15		80	73	69	69	17	9	6	250	8		84	73	68	59	24	8	3	UNL	10		84	73	68	59	19	7
22	10	UNL	15		77	74	72	85	15	4	1	UNL	8		78	73	71	79	20	4	10	250	8		80	74	71	74	16	3
AUG 2nd																														
AUG 3rd																														
AUG 4th																														
AUG 5th																														
AUG 6th																														
AUG 7th																														
AUG 8th																														
AUG 9th																														
AUG 10th																														
AUG 11th																														
AUG 12th																														
AUG 13th																														
AUG 14th																														
AUG 15th																														
AUG 16th																														
AUG 17th																														
AUG 18th																														

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.38	0.55	0.71	0.80	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97
ENDED: DATE	20	20	20	20	20	20	20	20	20	20	20	20
ENDED: TIME	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915	1915

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

AUG 1993 WILMINGTON, DE 13781

HOUR L.S.T.	AUG 19th										AUG 20th										AUG 21st																							
	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		VISI-BILITY		TEMPERATURE			WIND		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		VISI-BILITY		TEMPERATURE			WIND		SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET		VISI-BILITY		TEMPERATURE			WIND												
	0	1	2	3	4	5	6	7	8	9	10	0	1	2	3	4	5	6	7	8	9	10	0	1	2	3	4	5	6	7	8	9	10	0	1	2	3	4	5	6	7	8	9	10
01	0	UNL	10			71	68	66	84	06	4	0	UNL	10			70	68	66	87	21	4	0	UNL	2		F	71	71	71	00	24	4											
04	0	UNL	7			67	66	65	93	36	4	1	UNL	10			70	69	68	93	19	5	4	UNL	3		F	71	70	69	93	34	11											
07	2	UNL	7			70	68	66	84	05	5	10	200	6		F	72	70	69	90	18	7	1	UNL	7			72	68	66	82	36	9											
10	4	UNL	10			81	70	64	56	03	5	4	UNL	10			82	74	70	67	25	11	1	UNL	10			79	68	62	56	34	14											
13	9	UNL	10			83	71	64	53	12	8	8	220	10			88	76	71	57	22	10	6	200	10			82	69	62	51	36	12											
16	2	UNL	12			84	72	65	53	15	8	10	140	7			85	76	72	65	24	6	3	UNL	15			83	69	61	48	02	10											
19	1	UNL	8			77	72	70	79	16	9	10	41	4		TRWH	82	77	75	79	23	8	0	UNL	15			75	65	59	58	36	6											
22	0	UNL	10			73	69	67	82	19	7	3	UNL	4		F	73	72	72	97	33	5	0	UNL	15			68	60	54	61	01	7											

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)		
			AIR TEMP of	WET BULB of	DEW POINT of	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
01	4	29.950	72	69	67	87	4.3	22	1.3
04	5	29.950	70	68	67	91	4.3	35	1.3
07	6	29.975	72	69	67	85	5.5	02	2.5
10	5	29.980	81	72	67	62	6.5	04	0.4
13	6	29.960	86	73	66	53	8.4	17	3.4
16	6	29.930	85	72	66	55	9.1	17	3.8
19	5	29.930	78	72	68	71	7.9	17	4.1
22	4	29.950	74	71	68	82	6.4	15	2.9

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).

