

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

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INQUIRIES/COMMENTS CALL  
(704) 271-4800

GREATER WILMINGTON AIRPORT

# LOCAL CLIMATOLOGICAL DATA Monthly Summary



LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13871

APR 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	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
01	56	48	52	-4	50	13	0	1.35	0.0	29.530	08	7.8	9.7	29	NE	18	09			10	10		
02	48	43	46	-2	43	19	0	0.04	0.0	29.630	06	5.0	5.7	21	N	10	34			10	10		
03	49	39	44	-4	28	21	0	T	0.0	29.950	32	15.7	16.0	31	NW	22	32			8	7		
04	49	33	41*	-8	24	24	0	0.00	0.0	30.120	33	7.3	8.8	22	NW	15	33			8	7		
05	52	33	43	-6	30	22	0	0.00	0.0	30.140	09	2.8	6.2	16	S	12	18			10	10		
06	55	39	47	-2	26	18	0	0.00	0.0	30.110	06	10.5	10.8	28	NE	21	06			10	9		
07	61	35	48	-1	26	17	0	0.00	0.0	30.130	05	6.3	7.3	18	E	12	02			3	3		
08	68	33*	51	1	27	14	0	0.00	0.0	30.070	08	2.0	5.4	16	S	12	17			4	4		
09	64	41	53	3	46	12	0	0.46	0.0	29.910	15	4.2	6.1	24	S	16	19			9	8		
10	59	47	53	3	52	12	0	1.26	0.0	29.470	12	3.0	10.8	37	NW	26	33			10	10		
11	59	44	52	1	37	13	0	0.00	0.0	29.660	33	13.5	14.2	43	NW	28	33			3	6		
12	60	41	51	0	36	14	0	0.02	0.0	29.710	33	9.9	11.6	32	N	22	35			8	7		
13	62	39	51	0	37	14	0	0.00	0.0	29.860	34	10.0	10.8	29	NW	20	33			7	6		
14	64	39	52	0	39	13	0	T	0.0	29.930	08	2.2	5.4	13	S	9	16			6	6		
15	75	51	63	11	53	2	0	T	0.0	29.880	14	6.9	8.0	18	S	14	15			9	9		
16	64	56	60	8	57	5	0	1.27	0.0	29.710	16	11.3	12.3	30	W	18	25			10	10		
17	59	41	50	-3	41	15	0	0.00	0.0	29.700	30	12.3	13.4	30	NW	20	31			8	7		
18	62	39	51	-2	32	14	0	0.00	0.0	29.930	31	8.1	9.3	28	NW	17	32			0	1		
19	74	44	59	6	41	6	0	0.00	0.0	29.930	20	8.8	9.2	25	SW	16	22			6	4		
20	76	53	65	12	49	0	0	T	0.0	29.870	19	11.2	11.7	28	S	18	21			8	8		
21	71	55	63	9	52	2	0	0.77	0.0	29.715	14	1.7	8.4	24	S	16	35			10	9		
22	56	40	48	-6	38	17	0	0.14	0.0	29.460	33	15.9	17.6	38	NW	26	32			10	9		
23	62	41	52	-3	27	13	0	T	0.0	29.640	30	14.7	16.0	47	NW	31	30			8	5		
24	66	40	53	-2	32	12	0	T	0.0	30.040	18	4.7	6.5	20	SE	13	15			9	6		
25	79*	52	66*	11	51	0	1	0.00	0.0	29.920	19	10.9	11.6	30	SW	23	21			9	8		
26	69	44	57	1	53	8	0	0.56	0.0	29.830	30	2.4	12.6	31	N	21	02			10	10		
27	63	42	53	-3	30	12	0	0.00	0.0	30.155	01	10.4	12.3	30	N	21	02			2	3		
28	68	37	53	-3	33	12	0	0.00	0.0	30.260	10	1.9	4.5	17	S	12	18			4	2		
29	72	37	55	-2	35	10	0	0.00	0.0	30.100	17	2.7	3.7	15	S	10	16			1	1		
30	72	45	59	-2	44	6	0	0.00	0.0	30.020	17	4.3	5.0	17	S	10	17			10	7		
SUM	SUM				TOTAL	TOTAL		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM						
1894	1271				360	1		5.87	0.0	29.880	33	1.6	9.7	47	NW	31	30			FOR	220	202	
AVG.	AVG.	AVG.	AVG.	AVG.	DEP.	DEP.		PRECIPITATION	DEP.					DATE: 23	DATE: 23	POSSIBLE	MONTH			AVG.	AVG.		
63.1	42.4	52.8	0.6	39.0	-18	1		2.48												7.3	6.7		
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.		47 12		1		THUNDERSTORMS		2		PRECIPITATION		SNOW, ICE PELLETS									
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		2		1.72		09-10		0.0			
0		0		0		0		-138		1		CLEAR		5		PARTLY CLOUDY		5		CLOUDY		20	

\* 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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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

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DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

APR 1993  
WILMINGTON, DE

13781

HOUR	L.S.T.	VISI-BILITY			WEATHER	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)		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)			
APR 1st																															
01	10	5	2	12	RF	48	48	47	96	11	10	10	12	10	LF	48	47	45	89	07	9	10	29	15	R	45	41	37	74	32	17
04	10	6	4	12	TR	52	52	51	96	11	11	10	3	3	F	45	45	44	96	09	4	10	37	10		41	38	35	79	32	19
07	10	2	1	8	LF	52	52	51	96	14	5	10	3	4	F	43	43	42	96	06	6	10	48	15		40	36	31	70	31	13
10	10	2	0	12	LF	53	53	52	96	08	5	10	5	5	F	44	43	42	93	08	5	7	41	15		45	38	28	52	34	18
13	10	1	0	12	F	55	55	54	97	05	6	10	5	5	RWF	45	44	43	93	04	5	10	60	15		46	38	25	44	32	16
16	10	3	1	1	F	52	52	51	96	07	10	10	7	4	F	46	45	44	93	05	4	9	55	15		47	38	25	42	31	15
19	10	4	1	1	F	49	49	48	96	06	14	10	7	2	F	46	45	43	89	07	4	3	UNL	15		43	35	23	45	32	12
22	10	5	1	1	TF	48	48	47	96	36	10	10	6	3	RF	45	45	44	96	00	0	2	UNL	15		40	34	25	55	30	13
APR 2nd																															
APR 3rd																															
APR 4th																															
APR 5th																															
APR 6th																															
APR 7th																															
APR 8th																															
APR 9th																															
APR 10th																															
APR 11th																															
APR 12th																															
APR 13th																															
APR 14th																															
APR 15th																															
APR 16th																															
APR 17th																															
APR 18th																															

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.15	0.20	0.24	0.26	0.32	0.38	0.53	0.56	0.63	0.89	0.99	1.12
ENDED: DATE	16	16	16	16	16	16	16	16	16	16	16	16
ENDED: TIME	1512	1516	1518	1526	1532	1547	1559	1621	1644	1659	1737	1800

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

APR 1993  
WILMINGTON, DE 13781

HOOR L.S.T.	APR 19th				APR 20th				APR 21st				APR 22nd				APR 23rd				APR 24th				APR 25th				APR 26th				APR 27th				APR 28th				APR 29th				APR 30th																																																																																																																																																																																																																																																																																																							
	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-BILITY			WEATHER	TEMPERATURE			WIND	VIST-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)	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)	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)		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)	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)	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)		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)	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)	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)	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)																																																																																																																																																																																																																				
01	0	UNL	15		50	43	35	57	18	3	10	100	15	R	59	51	42	54	18	6	10	UNL	12		59	56	53	81	18	8	01	10	7	2	RF	55	55	54	97	07	10	1	UNL	15		42	36	27	55	29	11	0	UNL	15		46	38	26	46	26	4	01	2	UNL	15		52	50	48	86	16	6	10	UNL	15		67	60	55	66	23	8	10	55	15		43	40	36	76	36	14	01	0	UNL	15		45	42	37	74	15	3	0	UNL	15		46	39	30	54	00	0	0	UNL	15		49	43	36	61	27	3	04	0	UNL	12		38	37	36	93	34	3	0	UNL	15		42	39	36	79	00	0	0	UNL	15		45	43	41	86	33	3	07	4	UNL	9		48	44	40	74	00	0	0	UNL	15		48	44	38	69	36	3	10	UNL	15		52	49	45	77	12	3	10	0	UNL	15		56	46	35	45	07	7	0	UNL	15		62	46	23	22	00	0	10	UNL	15		62	54	46	56	15	3	13	5	UNL	15		62	47	29	29	06	5	0	UNL	15		69	52	33	27	23	3	10	UNL	15		68	55	42	39	20	7	16	6	UNL	15		68	51	31	25	07	4	2	UNL	15		72	54	35	26	18	5	10	UNL	15		71	56	42	35	18	7	19	0	UNL	15		54	44	32	43	18	9	2	UNL	15		58	51	44	60	16	9	10	UNL	15		60	54	49	67	17	8	22	1	UNL	15		48	40	28	46	28	3	2	UNL	15		53	48	43	69	00	0	10	UNL	15		55	53	52	90	18	4

SUMMARY BY HOURS

HOOR L.S.T.	SKY COVER (TENTHS)	AVERAGES					RESULTANT WIND		
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	NET BULB OF	DEW POINT OF				
01	6	29.875	48	44	39	71	8.3	35	1.7
04	5	29.870	46	43	39	78	8.5	33	2.7
07	8	29.900	48	44	39	73	8.6	34	1.9
10	7	29.910	55	48	39	57	10.8	33	2.9
13	8	29.880	60	50	39	50	10.8	32	1.9
16	8	29.850	60	50	39	50	12.1	30	1.8
19	7	29.860	54	48	39	60	9.6	15	1.2
22	6	29.890	50	46	40	70	9.2	01	1.9

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).

