

JUL 1993
 WILMINGTON, DE
 NAT'L SEA 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

JUL 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	FASTEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	84	69	77	2	63	0	12	8	0	0.00	0.0	29.990	09	5.7	7.7	17	E	13	16	9	9		
02	73	68	71*	-4	68	0	6	1	0	0.94	0.0	29.950	10	7.4	8.3	18	E	13	09	10	10		
03	90	71	81	6	73	0	16	1	0	0.00	0.0	29.830	27	4.0	4.6	18	W	10	25	9	9		
04	95	71	83	8	71	0	18	1	0	0.00	0.0	29.875	31	4.4	6.2	15	NW	10	33	1	1		
05	95	73	84	9	70	0	19	1	0	0.00	0.0	29.970	14	4.3	6.4	18	S	16	18	0	1		
06	89	75	82	6	74	0	17	1	0	0.00	0.0	29.980	16	9.0	9.3	18	S	14	19	5	5		
07	97	75	86	10	75	0	21	1	0	0.00	0.0	29.930	23	3.6	5.8	17	SW	9	23	2	3		
08	98	77	88	12	73	0	23	1	0	0.00	0.0	29.900	28	5.1	5.8	17	W	13	29	1	1		
09	98	78	88	12	72	0	23	1	0	0.00	0.0	29.900	29	6.0	7.9	20	NW	13	32	0	0		
10	98*	80	89*	13	73	0	24	1	0	0.00	0.0	29.870	28	7.5	8.2	22	NW	13	25	1	1		
11	95	76	86	10	69	0	21	3	0	0.11	0.0	29.820	30	2.9	7.0	24	W	18	29	1	2		
12	92	74	83	7	70	0	18	1	0	0.00	0.0	29.730	29	7.4	8.3	28	NW	17	32	5	4		
13	95	73	84	8	66	0	19	1	0	0.00	0.0	29.905	31	4.2	5.3	18	NW	9	28	1	1		
14	93	72	83	7	72	0	18	1	3	0	2.13	0.0	29.940	14	3.1	6.9	66	S	35	19	9	9	
15	87	68	78	1	66	0	13	1	0	0.00	0.0	29.870	32	8.2	9.3	23	NW	17	33	7	6		
16	86	62	74	-3	55	0	9	1	0	0.00	0.0	29.880	32	8.3	9.6	24	NW	15	30	0	0		
17	84	63	74	-3	54	0	9	1	0	0.00	0.0	29.910	34	6.6	7.7	23	N	18	35	2	2		
18	85	62	74	-3	57	0	9	1	0	0.00	0.0	30.015	13	4.0	8.8	20	S	13	17	1	2		
19	76	68	72	-5	68	0	7	1	3	0	0.76	0.0	29.875	10	4.2	7.8	18	S	14	08	10	10	
20	90	70	80	3	68	0	15	1	0	T	0.0	29.790	31	8.0	9.0	18	NW	15	31	6	5		
21	82	66	74	-3	60	0	9	1	0	0.00	0.0	29.890	30	6.9	9.0	22	NW	14	25	5	4		
22	82	63	73	-4	54	0	8	1	0	0.00	0.0	29.920	31	7.5	8.7	24	W	15	30	1	1		
23	86	61*	74	-3	55	0	9	1	0	0.00	0.0	29.925	30	7.4	9.0	22	NW	13	32	3	2		
24	87	63	75	-2	63	0	10	1	0	T	0.0	30.000	16	3.8	5.9	16	S	10	19	7	6		
25	89	71	80	3	69	0	15	1	0	0.00	0.0	30.000	14	5.1	6.3	18	S	13	16	6	6		
26	80	71	76	-1	68	0	11	1	0	T	0.0	30.000	14	9.6	10.8	23	SE	16	16	10	10		
27	91	73	82	5	69	0	17	1	0	T	0.0	29.800	23	9.0	10.2	21	SW	16	23	4	5		
28	94	73	84	7	67	0	19	1	0	0.00	0.0	29.800	27	2.8	8.3	17	NW	15	22	2	2		
29	92	72	82	5	66	0	17	1	3	0	0.10	0.0	29.705	27	7.4	9.5	40	NW	30	32	4	5	
30	84	69	77	0	60	0	12	1	0	T	0.0	29.720	29	9.4	10.4	24	W	18	33	3	3		
31	83	63	73	-4	61	0	8	1	0	0.00	0.0	29.820	30	5.6	6.6	16	N	10	34	6	4		
SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS	TOTAL	TOTAL	FOR THE MONTH:	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14	DATE: 14
2750	2170	77.4	71.4	71.4	0	452	99	2	0.19	5	29.890	28	2.3	7.9	66	S	35	19	131	129	4	4	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES	GREATEST DEPTH ON GROUND OF													
88.7	70.0	79.4	3.0	66.0	0	99	2	0.19	5	0.0													
NUMBER OF DAYS							SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
MAXIMUM TEMP.							TOTAL	> 1.0 INCH	PRECIPITATION				SNOW, ICE PELLETS										
MINIMUM TEMP.							0	4	2.13 14				0.0										
≥ 90°							0	0	2.13 14				0.0										
≤ 32°							0	0	2.13 14				0.0										
≤ 32°							0	0	2.13 14				0.0										
≤ 0°							0	188	CLEAR 15 PARTLY CLOUDY 10 CLOUDY 6														

* 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. Wadman
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1993
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)			VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)			VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)			VISI-BILITY		WEATHER	TEMPERATURE				WIND																																													
	8	140	6	H	16THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	8	140	6	H	16THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	8	140	6	H	16THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	8	140	6	H	16THS MILE																																							
							10	16	22	10									16	22	10	16									22	10	16	22								10	16	22	10	16	22																																	
JUL 1st																											JUL 2nd																											JUL 3rd																										
JUL 4th																											JUL 5th																											JUL 6th																										
JUL 7th																											JUL 8th																											JUL 9th																										
JUL 10th																											JUL 11th																											JUL 12th																										
JUL 13th																											JUL 14th																											JUL 15th																										
JUL 16th																											JUL 17th																											JUL 18th																										

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.41	0.72	0.86	0.86	0.90	1.28	1.28	1.29	1.29	1.31	1.31	1.32
ENDED: DATE	14	14	14	14	14	14	14	14	14	14	14	14
ENDED: TIME	1249	1252	1256	1256	1312	1324	1324	1350	1350	1359	1359	1359

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

JUL 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	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES		16THS MILE	AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
		01-10	11-20																																21-30
JUL 19th																																			
01	10	110	15			75	67	63	66	19	9	10	5	3		F	70	69	69	97	35	6	0	UNL	12					74	67	62	66	33	8
04	10	55	15			74	67	63	69	20	9	10	15	4		F	70	69	68	93	35	5	0	UNL	12					70	63	59	68	35	8
07	10	27	15			70	67	65	84	12	7	10	4	1		F	71	70	69	93	35	7	3	UNL	15					74	65	59	60	35	7
10	10	23	12			73	70	69	87	09	6	8	24	4		H	80	74	71	74	33	10	9	140	15					79	65	56	45	31	9
13	10	21	2	12	F	72	70	69	90	05	9	5	UNL	5		H	86	74	69	57	31	13	10	130	15					77	64	56	48	27	9
16	10	27	2	12	RWF	75	72	70	85	02	7	1	UNL	10			89	73	65	45	30	10	4	UNL	15					82	68	60	47	25	12
19	10	5	1	8	F	72	71	70	94	06	6	0	UNL	10			86	73	66	51	24	6	1	UNL	15					79	68	62	56	26	6
22	10	3	2		TRF	71	70	70	97	00	0	0	UNL	10			78	70	65	64	25	6	0	UNL	15					71	66	63	76	31	5
JUL 20th																																			
JUL 21st																																			
JUL 22nd																																			
JUL 23rd																																			
JUL 24th																																			
JUL 25th																																			
JUL 26th																																			
JUL 27th																																			
JUL 28th																																			
JUL 29th																																			
JUL 30th																																			
JUL 31st																																			

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				
01	4	29.890	74	69	67	79	5.6	27	1.5
04	4	29.880	72	68	65	82	5.8	31	1.8
07	5	29.910	75	70	66	74	6.7	35	2.6
10	4	29.915	82	72	66	60	9.3	33	3.1
13	5	29.890	86	72	65	51	10.0	28	3.0
16	4	29.870	87	72	65	50	10.7	26	4.9
19	4	29.860	82	72	66	60	8.5	22	3.2
22	4	29.890	77	71	67	73	6.3	22	2.6

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 1.151).

