



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 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 DEN 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	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	SKY MIDNIGHT TO MIDNIGHT	
01	90	70	80	5	71	0	15	1 3	8	0	0.41	0.0	29.750	26	2.8	5.8	36	N	18	05	10	8		
02	81	65	73	-2	57	0	8			0	0.00	0.0	29.870	11	4.1	9.0	21	E	13	09	3	2		
03	70	61	66*	-9	61	0	1	1		0	0.34	0.0	29.930	14	7.0	7.7	23	S	15	16	10	9		
04	83	66	75	0	65	0	10	1		0	0.03	0.0	29.860	31	5.5	6.2	22	NW	16	31	6	6		
05	85	.59*	72	-3	64	0	7			0	0.00	0.0	29.810	21	7.1	8.1	22	SW	16	20	5	5		
06	81	67	74	-1	66	0	9	1		0	T	0.0	29.755	26	2.3	5.8	14	N	9	02	6	6		
07	82	62	72	-3	58	0	7			0	0.00	0.0	29.950	35	7.6	8.3	17	NW	16	01	3	4		
08	83	60	72	-4	61	0	7			0	T	0.0	29.970	18	6.7	8.1	24	S	16	17	5	6		
09	92	72	82	6	72	0	17	1	8	0	T	0.0	29.735	24	10.7	11.7	25	SW	18	22	9	9		
10	92	72	82	6	68	0	17	3	8	0	0.00	0.0	29.800	26	6.7	8.1	23	SW	14	22	4	4		
11	89	74	82	6	66	0	17			0	0.00	0.0	29.830	30	9.8	11.1	29	NW	20	33	4	5		
12	86	70	78	2	70	0	13	1	8	0	T	0.0	29.860	22	3.6	5.1	14	SN	9	24	10	9		
13	92	74	83	7	70	0	18			0	T	0.0	29.730	26	10.7	11.6	26	W	17	27	8	7		
14	97*	75	86*	10	70	0	21	3		0	0.00	0.0	29.750	24	8.3	9.4	30	W	18	25	2	4		
15	95	72	84	8	72	0	19	1 3	8	0	0.34	0.0	29.680	25	9.5	10.4	47	W	16	20	7	7		
16	83	68	76	0	68	0	11			0	0.00	0.0	29.900	14	3.9	9.4	24	S	16	16	6	6		
17	87	68	78	-2	73	0	13	1 3	8	0	T	0.0	29.910	14	4.7	8.2	18	S	13	23	8	7		
18	85	70	78	-2	71	0	13			0	0.01	0.0	29.920	28	4.5	6.4	15	N	10	33	8	6		
19	88	67	78	2	70	0	13	1		0	0.00	0.0	29.980	19	3.6	6.7	21	S	15	18	6	6		
20	91	66	79	3	71	0	14	2	8	0	0.00	0.0	29.980	19	3.9	5.9	20	SE	14	16	4	3		
21	90	71	81	5	71	0	16	1	8	0	0.00	0.0	29.970	33	4.5	7.4	20	NW	12	36	6	6		
22	80	70	75	-2	64	0	10			0	0.00	0.0	30.090	07	6.3	9.3	21	NE	14	05	10	10		
23	80	67	74	-3	72	0	9	1 3		0	2.01	0.0	30.000	07	3.9	4.9	13	E	9	07	10	10		
24	72	63	68	-9	65	0	3	1		0	0.18	0.0	30.110	08	7.7	8.2	16	E	10	08	10	10		
25	75	63	69	-8	64	0	4	1 3		0	0.30	0.0	30.060	07	4.0	5.5	14	E	9	07	10	10		
26	77	69	73	-4	70	0	8	1		0	0.06	0.0	29.830	20	6.2	6.6	17	S	15	20	10	10		
27	86	73	80	3	74	0	15	1	8	0	T	0.0	29.670	28	4.6	6.4	13	NW	10	34	10	10		
28	80	63	72	-5	59	0	7	1		0	0.00	0.0	29.795	34	8.8	9.5	24	NW	16	31	2	1		
29	87	60	74	-2	63	0	9			0	0.00	0.0	29.850	24	4.9	7.0	22	SW	16	24	0	0		
30	87	68	78	2	68	0	13	1		0	0.00	0.0	29.890	07	1.6	5.5	15	E	10	01	3	3		
31	89	69	79	3	73	0	14	23	8	0	0.66	0.0	29.790	22	5.1	8.6	28	NW	22	31	9	9		
SUM	SUM					TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM				
2635	2094					0	358	0			4.34	0.0	29.870	24	2.0	7.8	47	W	22	31		FOR	204	198
AVG	AVG	AVG	DEP	AVG	DEP	DEP	DEP	PRECIPITATION			DEP						DATE:15	DATE:31	POSSIBLE	MONTH	AVG	AVG		
85.0	67.5	76.3	0.3	67.1	0	0	17	.01 INCH		10	0.44									6.6	6.4			
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
MAXIMUM TEMP.						MINIMUM TEMP.		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS		SNOW, ICE PELLETS OR ICE AND DATE										
≥ 90°						≤ 32°		0		2		2.01 23		0										
8						0		0		2		2.01 23		0										
0						-20		CLEAR 6		PARTLY CLOUDY 11		CLOUDY 14												

* 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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NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1992
WILMINGTON, DE

13781

HOUR L.S.T.	SKY COVER (ITEMS)			VISI-BILITY	WEATHER	TEMPERATURE				WIND			SKY COVER (ITEMS)	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)							
JUL 1st																													
01	10	120	6	F	72	69	90	19	5	2	UNL	8		68	64	61	78	36	7	0	UNL	10		64	61	58	81	13	4
04	7	UNL	4	F	71	70	69	93	18	3	0	UNL	15		68	59	53	59	03	10	10	75	8	61	60	59	93	17	4
07	10	UNL	2	H	74	72	71	90	21	5	8	55	15		70	61	55	59	09	11	10	60	15	65	61	58	78	13	4
10	10	230	3	H	81	76	73	77	23	6	10	90	15		72	62	54	53	08	8	10	65	15	69	63	59	71	16	12
13	8	230	4	H	89	78	73	59	20	4	0	UNL	15		77	65	57	50	14	7	10	60	15	69	63	59	71	17	11
16	10	250	5	H	81	74	71	72	26	6	0	UNL	15		80	66	58	47	19	7	10	38	7	65	64	63	93	14	12
19	10	110	5	FH	75	73	72	90	29	6	0	UNL	15		71	66	63	76	18	10	10	14	7	64	64	64	100	09	7
22	4	UNL	3	F	73	72	72	97	32	3	0	UNL	15		66	62	59	78	16	7	10	5	7	65	65	65	100	12	7
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)	0.25	0.34	0.42	0.51	0.60	0.70	0.77	0.86	1.09	1.13	1.13	1.14
ENDED: DATE	23	23	23	23	23	23	23	23	23	23	23	23
ENDED: TIME	1227	1227	1227	1227	1231	1241	1245	1239	1237	1245	1245	1245

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 1992
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		TEMPERATURE				WIND																																														
			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)																																															
JUL 19th																						JUL 20th																						JUL 21st																					
01	0	UNL	7		70	69	69	97	23	3	1	UNL	9			70	68	67	90	00	0	4	UNL	5		F	75	73	72	90	29	4																																	
04	0	UNL	7		68	68	68	100	17	3	0	UNL	6		F	67	67	67	100	31	3	4	UNL	3		F	73	73	73	100	24	5																																	
07	3	UNL	7		73	70	69	87	26	4	10	4	0	2	F	70	70	70	100	00	0	8	UNL	3		FH	76	73	71	85	30	6																																	
10	8	UNL	10		83	73	68	61	34	4	5	UNL	7			83	76	73	72	28	6	1	UNL	10			86	75	70	59	35	10																																	
13	7	UNL	10		85	74	69	59	29	6	2	UNL	15			90	74	67	47	25	6	2	UNL	15			88	76	71	57	34	9																																	
16	4	UNL	10		83	76	73	72	16	12	0	UNL	10			86	78	74	68	16	12	9	300	15			87	76	71	59	32	8																																	
19	10	UNL	8		78	75	74	88	16	11	5	UNL	10			81	76	73	77	16	8	10	50	12			83	75	71	67	20	6																																	
22	10	UNL	8		76	69	65	69	05	3	5	UNL	10			78	73	71	79	22	6	10	100	10			77	74	72	85	06	5																																	
JUL 22nd																						JUL 23rd																						JUL 24th																					
01	10	31	8		74	68	65	74	01	11	10	39	10			70	68	67	90	12	7	10	3	2	8	F	68	68	68	100	07	8																																	
04	10	40	8		72	67	64	76	05	9	10	23	6		F	69	69	69	100	06	5	10	3	2	8	F	66	66	66	100	06	9																																	
07	10	45	15		71	66	63	76	04	11	10	9	2		RWF	67	67	67	100	02	4	10	4	2		F	64	64	64	100	11	7																																	
10	10	50	15		74	65	60	62	05	12	10	5	3		RWF	73	72	72	97	09	5	10	7	5		F	65	64	63	93	08	9																																	
13	10	110	15		78	67	61	56	03	10	10	20	2	8	RWF	73	73	73	100	34	7	10	8	8		RW	65	65	65	100	07	6																																	
16	10	120	15		78	69	63	60	16	6	10	15	7			79	76	74	85	00	0	10	7	4		F	66	66	66	100	07	7																																	
19	10	140	15		76	69	65	69	12	6	10	23	6		RWF	75	74	74	97	05	3	10	12	7			66	65	65	97	08	8																																	
22	10	29	12		72	68	65	79	17	7	9	5	4		F	73	73	73	100	06	4	10	20	8			66	64	63	90	06	5																																	
JUL 25th																						JUL 26th																						JUL 27th																					
01	10	23	10		65	63	62	90	09	5	10	25	6		F	70	67	65	84	00	0	10	70	2		F	74	74	74	100	20	5																																	
04	10	20	7	R	63	63	63	100	07	7	10	26	6		F	69	68	67	93	00	0	10	41	1	8	F	74	74	74	100	28	6																																	
07	10	29	8	R	63	63	63	100	07	7	10	95	4		F	71	68	67	87	22	4	10	120	1		F	74	74	74	100	30	5																																	
10	10	16	15		70	66	63	79	07	7	10	19	10			73	70	68	84	20	7	10	120	5		RWFH	78	75	73	85	35	4																																	
13	10	27	15		74	68	64	71	07	6	10	27	7			77	73	71	82	20	13	10	120	8			82	75	71	69	28	4																																	
16	10	28	15		75	69	65	71	24	3	10	100	5		F	76	74	73	91	18	5	10	65	5		RH	79	76	75	88	24	8																																	
19	10	25	10		72	68	66	82	14	3	10	19	3		F	75	74	74	97	17	8	10	120	4		H	77	75	74	91	23	4																																	
22	10	27	7		71	68	67	87	32	4	10	5	1	12	RWF	74	74	74	100	23	5	10	120	3		F	75	74	74	97	26	5																																	
JUL 28th																						JUL 29th																						JUL 30th																					
01	.7	90	7		73	70	69	87	35	7	0	UNL	12			64	62	61	90	02	3	0	UNL	10			73	70	68	84	18	4																																	
04	0	UNL	10		66	62	59	78	36	6	0	UNL	10			62	61	60	93	00	0	0	UNL	5		F	70	69	68	93	34	3																																	
07	0	UNL	15		67	63	60	78	35	9	0	UNL	7			67	64	62	84	29	3	0	UNL	8			74	69	66	76	02	5																																	
10	0	UNL	15		75	63	54	48	35	14	0	UNL	15			81	70	64	56	24	6	2	UNL	10			83	73	68	61	33	5																																	
13	5	UNL	15		78	65	57	49	31	14	0	UNL	15			84	72	65	53	22	10	5	UNL	10			86	74	68	55	17	3																																	
16	3	UNL	15		80	66	58	47	30	11	0	UNL	15			86	71	62	45	21	11	8	65	10			85	75	70	61	21	5																																	
19	0	UNL	15		75	65	59	58	34	6	0	UNL	15			81	71	65	58	22	6	0	UNL	10			82	72	67	61	10	5																																	
22	0	UNL	15		69	63	59	71	04	4	0	UNL	15			75	69	66	74	24	5	5	UNL	8			74	71	70	87	09	4																																	
JUL 31st																						JUL 31st																						JUL 31st																					
01	10	5	4	F	71	70	70	97	08	3																																																							
04	10	0	0	4	F	71	71	71	100	09	4																																																						
07	10	7	0	12	TRWF	74	74	74	100	16	5																																																						
10	10	8	1	4	F	79	77	76	91	20	10																																																						
13	8	22	4		H	87	79	76	70	21	11																																																						
16	4	UNL	5		H	88	79	75	66	21	14																																																						
19	10	90	4		TRW	71	70	70	97	00	0																																																						
22	10	110	7			70	69	69	97	20	6																																																						

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).

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	6	29.870	71	69	67	86	5.6	25	0.9
04	6	29.860	70	67	66	89	5.7	32	1.2
07	8	29.890	72	69	67	84	6.4	32	1.1
10	7	29.900	79	71	67	68	9.6	31	2.4
13	6	29.880	82	72	67	61	10.4	25	5.0
16	6	29.850	83	73	68	63	10.7	22	6.0
19	7	29.850	78	72	68	74	7.7	20	3.9
22	6	29.880	74	70	68	82	6.6	21	2.7

