

LOCAL CLIMATOLOGICAL DATA Monthly Summary



GREATER WILMINGTON AIRPORT

LATITUDE 39° 40' N LONGITUDE 75° 36' W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13781

AUG 1987
 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	HDNIGHT TO MIDNIGHT		
01	83	71	77	1	66	0	12	8	0	0.00	0.0	29.895	14	6.1	8.8	20	S	15	17			5	9		
02	85	72	79	3	69	0	14		0	0.00	0.0	29.850	18	13.6	14.1	29	S	21	17			5	6		
03	93	75	84	8	73	0	19	1	8	0	0.0	29.700	30	3.6	8.6	16	N	13	33			6	6		
04	94	74	84	8	70	0	19	8	8	0.00	0.0	29.690	27	1.8	5.9	17	W	10	28			3	3		
05	94*	72	83	7	71	0	18	1	3	8	0	29.720	05	5.7	8.1	24	NE	17	05			8	7		
06	76	68	72	-4	65	0	7	1			0	29.940	06	7.4	8.8	23	NE	15	06			10	9		
07	81	63	72	-4	65	0	7				0	29.910	16	5.8	8.2	17	S	14	18			5	5		
08	89	70	80	4	71	0	15		8	8	0	29.910	23	4.3	5.4	15	W	9	24			8	9		
09	89	74	82	6	71	0	17	3	8	8	0	29.775	13	3.4	7.5	28	W	13	16			9	9		
10	88	64	76	0	68	0	11	1	8	8	0	29.735	34	7.1	7.9	24	N	16	02			7	6		
11	85	61	73	-3	60	0	8				0	29.925	03	3.6	6.3	15	NE	12	03			4	4		
12	82	64	73	-3	60	0	8				0	30.000	08	5.9	8.1	18	NE	13	09			7	5		
13	81	58	70	-5	59	0	5				0	30.090	09	4.5	7.3	15	S	12	07			2	2		
14	82	60	71	-4	64	0	6		8	8	0	30.110	12	3.6	6.9	13	S	10	15			3	3		
15	86	71	79	4	69	0	14	1			0	30.060	16	5.5	6.8	18	S	13	17			3	4		
16	86	69	78	3	70	0	13				0	29.940	16	5.4	6.7	15	S	12	17			6	5		
17	93	74	84*	9	75	0	19	2	8	8	0	29.820	19	4.8	6.0	21	SW	14	17			4	3		
18	91	71	81	6	65	0	16		8	8	0	29.840	32	7.0	7.8	21	N	14	33			1	2		
19	85	67	76	1	67	0	11	1			0	29.900	17	2.8	6.2	15	S	12	18			6	4		
20	86	64	75	0	60	0	10	1			0	30.000	33	7.0	7.5	21	NW	13	31			3	2		
21	85	59	72	-2	55	0	7				0	30.130	22	1.1	6.5	14	NW	12	20			1	2		
22	80	70	75	1	70	0	10	1	3	8	0	29.890	22	8.5	9.2	21	SW	14	22			10	10		
23	78	59	69	-5	53	0	4				0	29.955	32	9.3	9.9	25	NW	14	34			3	4		
24	75	53*	64	-10	48	1	0				0	30.135	30	6.5	7.2	23	W	14	32			4	4		
25	74	54	64*	-10	50	1	0				0	30.160	30	3.3	5.2	10	SW	9	22			10	9		
26	77	57	67	-6	54	0	2				0	30.120	26	1.2	4.0	12	S	7	25			9	9		
27	79	66	73	0	67	0	8	1	8	8	0	29.940	08	4.9	7.8	16	SE	13	16			9	9		
28	76	64	70	-3	67	0	5	1	8	8	0	29.940	08	4.9	5.9	10	NE	9	09			10	10		
29	80	60	70	-3	60	0	5	1	3	8	0	29.960	32	8.0	8.9	25	NW	15	33			5	6		
30	79	54	67	-6	53	0	2				0	30.130	08	1.5	6.0	20	NE	12	14			0	1		
31	78	57	68	-4	60	0	3	3			0	29.990	17	6.5	8.0	32	S	15	16			8	8		
SUM	SUM				TOTAL	TOTAL	NUMBER OF DAYS			TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM						
2590	2015				2	295	2	295	PRECIPITATION	4.21	0.0	29.940	15	0.4	7.5	32	S	21	17			FOR	179	175	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	0.18								DATE: 31	DATE: 2	POSSIBLE	NONIN	AVG.	AVG.				
83.5	65.0	74.3	-0.5	63.7	2	-9	0.18	0														5.8	5.6		
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																	
≥ 90°		≤ 32°		2		1099		5		2.66		05-06		0.0											
5		0		2		219		CLEAR 8		PARTLY CLOUDY 12		CLOUDY 11													

* 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. Walden
 DIRECTOR
 NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1987
WILMINGTON, DE

13781

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND		WEATHER	VISI-BILITY			TEMPERATURE				WIND											
	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	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)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							
AUG 1st																													
01	9	70	8	72	68	66	82	06	4		10	34	8	74	70	68	82	19	9		9	250	8	76	74	73	91	18	11
04	10	75	7	71	69	68	90	06	5		7	75	8	73	69	67	82	17	5		10	9	7	76	75	74	94	19	8
07	9	75	4	72	69	68	87	07	7	H	7	UNL	10	74	70	68	82	20	7		10	10	7	78	76	75	91	21	7
10	3	UNL	9	79	69	64	60	10	10		9	80	10	80	73	69	69	18	14		7	25	7	86	77	73	65	33	10
13	5	UNL	9	82	72	66	59	17	4		10	100	10	84	73	68	59	17	18		6	UNL	8	90	77	72	56	31	8
16	1	UNL	8	82	72	66	59	18	10		10	50	8	81	71	65	58	16	16		3	UNL	9	91	76	70	50	30	9
19	0	UNL	8	77	70	66	69	17	13		10	120	8	79	74	72	79	15	16		2	UNL	8	87	77	72	61	02	6
22	6	250	10	76	70	67	74	19	10		10	250	10	78	74	72	82	18	13		6	50	7	82	75	71	69	35	5
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																													

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
- SW SNOW SHOWERS
- 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).

OBSERVATIONS AT 3-HOUR INTERVALS

AUG 1987
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	1/8THS MILE		AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF		WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF	WET BULB OF	DEN POINT OF	REL HUMIDITY %	DIRECTION
AUG 19th																																
01	0	UNL	12			71	67	64	79	33	5	0	UNL	3	F	71	70	69	93	27	3	0	UNL	12			64	59	55	73	32	5
04	0	UNL	12			69	65	62	79	33	3	0	UNL	4	F	68	67	66	93	32	5	0	UNL	12			61	57	54	78	33	5
07	10	120	12			73	65	60	64	05	5	1	UNL	8		70	66	64	81	36	5	0	UNL	12			65	60	56	73	30	4
10	8	UNL	12			81	69	63	54	16	7	7	UNL	15		81	68	61	51	35	8	1	UNL	15			80	64	53	39	32	3
13	10	120	12			82	73	69	65	17	9	3	UNL	15		85	67	55	36	34	8	2	UNL	15			84	65	52	33	35	6
16	1	UNL	8			83	75	72	70	16	6	2	UNL	15		85	65	52	32	31	10	1	UNL	15			84	65	53	35	16	7
19	0	UNL	7			80	75	73	79	17	8	0	UNL	15		78	65	56	47	31	5	3	UNL	12			77	64	56	48	19	7
22	0	UNL	7			76	75	74	94	27	3	0	UNL	15		67	62	59	76	31	5	2	UNL	12			73	66	61	66	18	9
AUG 20th																																
AUG 21st																																
AUG 22nd																																
AUG 23rd																																
AUG 24th																																
AUG 25th																																
AUG 26th																																
AUG 27th																																
AUG 28th																																
AUG 29th																																
AUG 30th																																
AUG 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	DEN POINT OF				
01	5	29.940	69	66	64	84	6.0	23	0.9
04	5	29.940	68	65	63	86	4.8	34	2.1
07	6	29.960	70	66	64	81	6.1	01	2.3
10	6	29.970	77	68	63	64	9.1	07	2.4
13	7	29.950	81	69	63	55	9.3	19	1.1
16	5	29.920	81	70	63	55	10.0	17	1.6
19	6	29.920	76	69	65	68	8.6	16	3.8
22	5	29.950	72	68	65	80	6.7	19	1.6

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

AUG 1987
WILMINGTON, DE

13781

DATE	A.M. HOUR ENDING AT												P.M. HOUR ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
01																								01	
02																								02	
03					T																			03	
04																								04	
05															0.61	1.80	0.24	0.01						05	
06		T	T		T	T	T																	06	
07																								07	
08																							T	08	
09																					0.18	0.04		09	
10																								10	
11																								11	
12																								12	
13																								13	
14																								14	
15																								15	
16																								16	
17																								17	
18																								18	
19														T	T									19	
20																								20	
21																								21	
22								T	0.01	0.22	0.08	T											22		
23																								23	
24																								24	
25																								25	
26																							T	26	
27			0.03	T	T	0.01	T								T	T						T	0.01	27	
28				T	T			0.01	0.01	T														28	
29			0.34																					29	
30																								30	
31																					0.02	0.59	T	31	

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.30	0.49	0.62	0.80	1.07	1.40	1.80	1.83	2.10	2.41	2.41	2.65
ENDED: DATE	05	05	05	05	05	05	05	05	05	05	05	05
ENDED: TIME	1740	1741	1750	1750	1751	1751	1802	1751	1804	1813	1759	1900

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.

VALIDATED BY:
DICK WOLF

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