

ISSN 0198-117X



GREATER WILMINGTON AIRPORT

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

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. 12	WIND (M.P.H.)					SUNSHINE		SKY COVER (TENTHS)									
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL 7A	COOLING (SEASON BEGINS WITH JAN 7B			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						
																SPEED	DIRECTION	SPEED	DIRECTION										
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23						
01	90	69	80	13	68	0	15	1	8	0	T	0.0	29.890	27	5.5	7.2	16	NW	10	25		3	4						
02	86	68	77	9	67	0	12	1	8	0	0.04	0.0	29.890	31	2.5	7.5	18	NW	13	31		6	8						
03	70	65	68	0	65	0	3	1	8	0	0.00	0.0	30.010	12	8.4	8.7	16	SE	13	11		10	9						
04	72	63	68	0	65	0	3	1	3	8	0	0.75	0.0	29.980	15	3.7	4.8	14	NW	9	16		10	10					
05	79	60	70	1	57	0	5	1	8	0	0.00	0.0	29.990	33	6.9	8.0	20	NW	14	35		2	3						
06	76	59	68	-1	50	0	3			0	0.00	0.0	30.055	33	7.5	8.7	23	NW	15	30		2	2						
07	83	55	69	0	58	0	4			0	0.00	0.0	30.040	20	3.1	6.6	18	SW	12	22		8	6						
08	91	67	79	10	64	0	14	1	8	0	0.00	0.0	29.870	25	10.1	10.9	31	W	18	26		7	7						
09	81	63	72	2	62	0	7	1	8	0	0.12	0.0	29.830	28	9.2	10.9	26	NW	18	27		10	8						
10	75	52	64	-6	47	1	0			0	0.00	0.0	30.020	33	10.3	10.9	25	N	16	35		1	0						
11	77	50*	64*	-6	48	1	0			0	0.00	0.0	30.070	24	5.5	8.9	21	W	15	17		7	6						
12	78	62	70	-1	65	0	5	1	8	0	T	0.0	29.820	22	8.4	9.2	22	SW	13	26		10	9						
13	85	67	76	5	68	0	11	1	8	0	T	0.0	29.760	25	8.3	8.8	20	W	14	21		9	8						
14	87	62	75	4	66	0	10	1	8	0	0.00	0.0	29.790	21	4.3	7.2	20	S	13	18		2	1						
15	93*	72	83*	12	70	0	18	1	3	8	0	0.41	0.0	29.750	24	-6.2	9.5	23	NW	21	31		2	3					
16	84	69	77	5	59	0	12			0	T	0.0	29.790	28	1.3	7.5	15	SW	12	14		9	9						
17	82	62	72	0	56	0	7			0	0.00	0.0	29.940	07	1.8	8.5	18	S	15	16		0	1						
18	84	58	71	-1	58	0	6			0	0.00	0.0	30.060	20	5.5	7.6	22	S	15	17		1	1						
19	88	63	76	4	63	0	11			0	0.00	0.0	29.930	21	8.5	9.2	21	SW	16	21		6	5						
20	90	70	80	8	69	0	15	1	8	0	T	0.0	29.800	19	4.4	6.5	24	S	14	19		4	5						
21	85	72	79	6	73	0	14	1	3	8	0	0.28	0.0	29.720	12	1.6	4.1	14	S	9	15		10	10					
22	87	71	79	6	73	0	14	1	23	8	0	0.01	0.0	29.690	18	3.2	7.4	18	W	14	17		8	8					
23	88	66	77	4	69	0	12	1	8	0	0.00	0.0	29.690	33	4.8	10.9	24	E	17	06		8	9						
24	82	61	72	-1	58	0	9			0	0.00	0.0	29.890	07	6.2	10.0	21	NE	15	08		0	2						
25	88	60	74	1	63	0	7			0	0.00	0.0	29.830	17	6.4	8.4	26	S	20	16		1	1						
26	77	65	71	-3	65	0	6	1		0	0.02	0.0	29.775	14	9.6	10.6	22	SE	15	15		10	9						
27	86	68	77	3	63	0	12	1		0	0.39	0.0	29.670	33	5.0	8.1	30	NW	14	30		7	8						
28	79	58	69	-5	52	0	4			0	0.00	0.0	29.870	28	8.7	9.6	23	NW	15	28		4	2						
29	88	58	73	-1	59	0	8			0	0.00	0.0	29.990	22	9.0	10.3	26	SW	17	24		4	3						
30	92	71	82	8	67	0	17	1	3	0	0.29	0.0	29.965	24	8.3	9.8	35	NW	20	29		7	7						
SUM		SUM		SUM		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL					
250.3		1906		2		264		NUMBER OF DAYS		2.31		0.0		29.880		24		2.8		8.5		35		NW		21		31	
AVG.		AVG.		AVG.		DEP.		AVG.		DEP.		PRECIPITATION		DEP.		DATE: 30		DATE: 15		POSSIBLE		MONTH		AVG.		AVG.			
83.4		63.5		73.5		2.3		62.1		-4		72		PRECIPITATION		≥ .01 INCH.		9		-1.20						5.6		5.5	
NUMBER OF DAYS		SEASON TO DATE		TOTAL		TOTAL		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF		SNOW, ICE PELLETS OR ICE AND DATE															
MAXIMUM TEMP.		MINIMUM TEMP.		4908		358		THUNDERSTORMS		5		PRECIPITATION		SNOW, ICE PELLETS															
≥ 90°		≤ 32°		≤ 32°		≤ 0°		DEP.		DEP.		HEAVY FOG		1		0.75		04		0.0									
5		0		0		0		-78		123		CLEAR		10		PARTLY CLOUDY		9		CLOUDY		11							

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.

noaa

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

Kenneth D. Wadsworth
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

JUN 1987 13781
WILMINGTON, DE

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	

WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: 1.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

JUN 1987
WILMINGTON, DE 13781

HOUR L.S.T.	SKY COVER (TENTHS)	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY		WEATHER	TEMPERATURE				WIND									
		WHOLE MILES	16THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			WHOLE MILES	16THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)			WHOLE MILES	16THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE MILES	16THS MILE	AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)
JUN 19th																																								
01	2	UNL	10		68	61	56	66	17	5	3	UNL	5	H	72	67	64	76	22	4	10	100	4	FH	74	72	71	90	00	0										
04	6	UNL	7		64	60	57	78	18	5	5	UNL	4	H	70	68	66	87	00	0	10	110	3	FH	74	72	71	90	00	0										
07	8	UNL	10		69	65	62	79	19	5	2	UNL	4	FH	74	71	69	85	20	5	10	22	3	FH	75	74	74	97	32	4										
10	2	UNL	12		78	69	63	60	19	10	0	UNL	5	H	84	78	75	75	14	7	10	25	2	8	H	79	74	71	77	00	0									
13	5	UNL	9		86	72	64	48	21	12	3	UNL	6	H	89	77	72	57	14	11	10	32	2	8	H	82	75	72	72	18	8									
16	9	UNL	7		87	73	66	50	25	11	9	80	6	H	84	75	71	65	19	12	10	80	3	H	84	78	75	75	01	6										
19	10	UNL	7		82	72	67	61	23	6	10	80	7		80	73	69	69	29	9	10	35	1	FH	78	76	75	91	07	7										
22	4	UNL	7		76	68	64	67	22	6	10	120	8		76	70	66	71	35	4	10	45	3	FH	76	75	74	94	11	3										
JUN 20th																																								
JUN 21st																																								
JUN 22nd																																								
JUN 23rd																																								
JUN 24th																																								
01	10	7	2	F	74	73	73	97	07	4	9	60	6	F	74	73	73	97	26	6	10	60	10			65	61	58	78	08	12									
04	10	3	1	F	73	73	73	100	08	6	10	120	3	F	74	73	73	97	26	7	4	UNL	10			62	58	54	75	06	8									
07	10	2	0	12	72	72	72	100	11	4	10	85	3	F	77	74	73	88	26	9	1	UNL	10			66	60	55	68	05	8									
10	10	3	1		75	74	74	97	22	5	4	UNL	4	H	84	76	72	67	31	12	0	UNL	12			73	63	56	55	07	10									
13	5	UNL	2	8	83	78	76	80	17	5	7	UNL	5	H	88	76	70	55	30	11	0	UNL	10			78	65	56	47	05	10									
16	8	35	4	H	85	79	76	75	17	12	10	41	9		83	72	66	57	32	11	0	UNL	10			81	66	56	42	10	10									
19	8	80	12		80	75	72	77	25	11	8	48	10		79	71	66	65	36	8	0	UNL	10			72	68	65	79	18	10									
22	7	UNL	10		76	73	71	85	25	5	8	34	7		69	65	62	79	07	10	0	UNL	7			65	63	62	90	26	4									
JUN 25th																																								
JUN 26th																																								
JUN 27th																																								
01	0	UNL	7		62	60	59	90	23	6	1	UNL	10		65	64	63	93	10	10	10	4	5	F	69	69	69	100	11	6										
04	0	UNL	7		61	59	57	87	00	0	10	29	8		66	64	62	87	11	8	10	2	2	F	69	69	69	100	04	4										
07	0	UNL	9		67	62	59	76	23	3	10	13	8		67	64	62	84	11	9	10	4	2	8	F	70	69	69	97	03	4									
10	0	UNL	8		78	71	67	69	15	5	10	18	15		73	67	63	71	12	9	10	12	7		74	70	67	79	35	8										
13	0	UNL	10		85	72	65	51	15	8	10	50	12		74	68	64	71	18	12	2	UNL	10			83	71	64	53	02	8									
16	7	90	8		84	72	65	53	16	14	10	44	10		74	68	65	74	16	9	1	UNL	10			84	67	56	38	32	9									
19	0	UNL	10		73	67	63	71	18	14	10	34	10		73	69	66	79	15	10	1	UNL	10			80	66	58	47	24	6									
22	1	UNL	10		68	65	63	84	12	8	10	9	7	RW	69	68	68	97	13	6	10	75	10		72	61	52	50	33	12										
JUN 28th																																								
JUN 29th																																								
JUN 30th																																								
01	5	UNL	10		66	58	51	59	31	10	0	UNL	12		65	60	56	73	24	5	4	UNL	10			73	67	63	71	21	7									
04	0	UNL	10		59	55	51	75	24	5	0	UNL	12		62	60	58	87	25	5	1	UNL	10			71	67	65	81	21	10									
07	0	UNL	15		63	58	54	73	28	8	5	UNL	10		68	64	61	78	27	4	0	UNL	12			76	68	63	64	22	6									
10	3	UNL	20		73	60	49	43	29	10	0	UNL	12		82	67	58	44	18	7	10	UNL	11			85	71	64	50	23	11									
13	7	55	15		77	63	54	45	31	10	7	UNL	15		86	68	58	39	22	12	8	200	10			89	75	68	50	21	10									
16	5	UNL	15		79	62	50	36	31	8	2	UNL	12		87	66	53	31	24	15	10	50	8		TRW	87	74	68	53	27	9									
19	0	UNL	15		76	63	53	45	30	7	3	UNL	12		83	68	59	44	20	12	10	90	8		RW	73	71	70	90	31	6									
22	0	UNL	15		68	61	55	63	22	7	4	UNL	10		77	67	60	56	21	13	10	100	5		RW	73	72	71	94	20	4									

SUMMARY BY HOURS

HOUR L.S.T	AVERAGES							RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE			REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
			AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.880	68	64	62	82	6.5	25	1.8
04	5	29.880	66	63	61	86	6.0	27	1.4
07	5	29.905	70	65	62	78	7.9	30	2.1
10	5	29.910	76	68	62	63	9.7	27	1.7
13	6	29.880	81	69	63	55	10.7	23	4.3
16	6	29.850	82	70	62	54	10.9	24	5.6
19	6	29.850	77	68	63	64	9.7	22	4.2
22	6	29.880	71	66	62	76	7.7	24	2.5

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUN 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	T		T	0.03	0.01															T				T	02
03																									03
04		T	T	T	T											T	0.50	0.13	0.03	0.05	0.03	0.01			04
05																									05
06																									06
07																									07
08																									08
09								0.04	0.03	0.03	0.02														09
10																									10
11																									11
12										T	T	T	T	T	T	T									12
13					T	T																			13
14																									14
15																						0.38	T	0.03	15
16						T	T																		16
17																									17
18																									18
19																									19
20																				T	T				20
21																									21
22									T					T	T		0.28			T	T				22
23																	0.01	T							23
24																									24
25																									25
26																					0.01	0.01	T	T	26
27		0.36	T	0.02	0.01			T	T																27
28																									28
29																									29
30																T	0.09	T	0.05	0.02	0.03	0.04	0.02	0.04	30

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.10	0.18	0.24	0.32	0.42	0.47	0.50	0.53	0.58	0.63	0.63	0.66
ENDED: DATE	04	04	04	04	04	04	04	04	04	04	04	04
ENDED: TIME	1640	1643	1648	1653	1653	1702	1659	1741	1757	1759	1759	1859

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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