

JUN 1993  
 WILMINGTON, DE  
 NAT'L WEA 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

JUN 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	DIRECTION	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT	
01	71	52	62	-6	45	3	0	1	0	0.02	0.0	29.730	32	12.0	12.3	30	NW	21	32			3	4	
02	71	47*	59*	-9	43	6	0	0	0	0.01	0.0	29.870	26	1.9	3.3	14	S	9	21			8	7	
03	73	57	65	-3	54	0	0	1	8	0.02	0.0	29.790	28	3.1	5.6	18	NW	10	31			6	7	
04	73	59	66	-3	55	0	1	1	8	0.05	0.0	29.780	08	2.3	6.0	18	NE	14	05			9	9	
05	69	57	63	-6	58	2	0	1	8	0.01	0.0	29.785	12	3.1	5.4	17	W	10	29			9	9	
06	74	53	64	-5	48	1	0	0	0	0.00	0.0	29.900	32	8.9	9.8	32	NW	18	34			5	4	
07	79	52	66	-4	53	0	1	0	0	T	0.0	29.960	26	3.4	4.6	15	W	10	25			7	6	
08	76	65	71	1	63	0	6	1	3	8	0.03	0.0	29.900	15	3.0	4.2	15	S	9	18			10	10
09	93	64	79	9	70	0	14	1	3	8	0.57	0.0	29.810	24	4.2	5.8	35	W	21	25			5	5
10	90	68	79	9	65	0	14	3	8	0.00	0.0	29.820	27	8.9	9.6	26	W	16	26			6	5	
11	85	68	77	7	63	0	12	3	8	0.00	0.0	29.910	33	7.8	9.2	23	NW	16	34			6	5	
12	78	60	69	-2	60	0	4	0	0	0.00	0.0	30.120	09	3.3	7.0	16	S	12	18			8	6	
13	80	59	70	-1	58	0	5	0	0	0.00	0.0	30.150	14	4.2	5.2	16	SE	14	15			4	3	
14	82	55	69	-2	57	0	4	0	0	0.00	0.0	30.080	17	4.8	6.3	18	S	16	16			0	0	
15	83	63	73	1	63	0	8	0	0	0.00	0.0	29.960	20	9.3	10.0	22	SW	16	24			0	6	
16	85	65	75	3	56	0	10	0	0	0.00	0.0	30.060	34	4.7	5.8	17	N	12	01			3	3	
17	86	60	73	1	60	0	8	0	0	0.00	0.0	30.140	14	3.0	6.9	16	SE	10	15			4	3	
18	92	69	81	9	68	0	16	1	8	0.00	0.0	30.070	22	5.9	6.8	16	SW	10	24			2	2	
19	94*	72	83*	11	70	0	18	1	3	8	0.17	0.0	29.990	28	4.3	6.4	26	NW	14	31			6	6
20	89	70	80	7	70	0	15	1	3	8	0.03	0.0	30.010	16	2.6	6.2	35	W	26	28			5	5
21	88	70	79	6	70	0	14	1	3	8	0.59	0.0	29.835	23	4.4	6.8	32	NW	20	29			9	9
22	86	69	78	5	64	0	13	1	8	0.00	0.0	29.715	31	8.9	10.7	22	N	15	35			1	2	
23	83	60	72	-1	47	0	7	0	0	0.00	0.0	29.960	35	11.0	11.4	23	N	17	34			4	3	
24	84	55	70	-4	50	0	5	0	0	0.00	0.0	30.170	15	2.7	6.8	13	S	10	17			2	1	
25	84	62	73	-1	58	0	8	0	0	0.00	0.0	30.140	17	6.6	7.1	21	S	15	19			0	0	
26	90	65	78	4	66	0	13	0	0	0.00	0.0	29.960	21	7.1	10.0	23	S	17	22			3	4	
27	88	66	77	3	63	0	12	0	0	0.09	0.0	29.860	05	0.6	7.4	17	N	12	34			7	6	
28	93	68	81	7	65	0	16	0	0	0.00	0.0	29.800	23	4.5	5.9	17	W	10	18			6	7	
29	88	71	80	5	68	0	15	1	8	0.00	0.0	29.820	02	4.3	6.0	16	NW	13	32			10	10	
30	86	70	78	3	68	0	13	1	8	0.01	0.0	29.880	10	2.7	5.9	13	W	8	17			9	9	
SUM	SUM					TOTAL	TOTAL			TOTAL	TOTAL			FOR THE MONTH:						TOTAL	%	SUM	SUM	
2493	1871					12	252			1.60	0.0	29.930	26	1.5	7.1	35	W	26	28			166	156	
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.			PRECIPITATION		DEP.				DATE: 20+	DATE: 20				POSSIBLE			MONTH	AVG.	AVG.
83.1	62.4	72.8	1.3	59.9		6	53	≥ .01 INCH.	12	-1.95												5.5	5.2	
NUMBER OF DAYS		SEASON TO DATE		TOTAL		TOTAL		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES		GREATEST DEPTH ON GROUND OF												
MAXIMUM TEMP.		MINIMUM TEMP.		4788		332		THUNDERSTORMS		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		0		2.60		31-01		0.0		0						
6		0		0		0		-198		89		CLEAR		8		PARTLY CLOUDY		13		CLOUDY		9		

\* 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.

ERRATA - FEB 1993 - CORRECT HEATING DEGREE DAYS DEPARTURES TO READ - MTH: 55 SEASON: -200

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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OBSERVATIONS AT 3-HOUR INTERVALS

JUN 1993  
WILMINGTON, DE 13781

HOUR	L.S.T.	VISI-BILITY			TEMPERATURE				WIND			VISI-BILITY			TEMPERATURE				WIND											
		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	WEATHER	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	WEATHER	AIR of	NET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)							
JUN 1st																														
01	10	17	7		63	62	61	93	33	12	0	UNL	15		51	46	40	66	34	3	10	36	12		59	56	53	81	31	4
04	10	80	15		57	52	48	72	34	12	0	UNL	15		50	45	39	66	00	0	10	100	7		57	55	54	90	20	4
07	0	UNL	12		58	51	45	62	32	10	6	250	15		54	49	43	67	00	0	10	14	5	FH	59	56	53	81	00	0
10	2	UNL	15		64	55	46	52	31	16	10	150	15		65	52	39	39	36	3	5	UNL	10		66	59	53	63	30	5
13	5	UNL	15		59	56	45	42	28	12	4	UNL	15		69	54	39	34	00	0	1	UNL	10		73	60	50	45	31	5
16	2	UNL	15		70	56	43	38	31	13	10	UNL	15		65	55	42	38	25	5	4	UNL	12		71	61	53	53	31	8
19	0	UNL	15		65	52	39	39	34	10	10	120	15		65	55	45	49	22	5	3	UNL	10		69	60	54	59	31	6
22	0	UNL	15		54	48	41	62	33	7	10	95	12		60	56	53	78	00	0	8	UNL	10		64	62	61	90	17	4
JUN 2nd																														
JUN 3rd																														
JUN 4th																														
JUN 5th																														
JUN 6th																														
JUN 7th																														
JUN 8th																														
JUN 9th																														
JUN 10th																														
JUN 11th																														
JUN 12th																														
JUN 13th																														
JUN 14th																														
JUN 15th																														
JUN 16th																														
JUN 17th																														
JUN 18th																														

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.17	0.31	0.40	0.45	0.52	0.53	0.53	0.54	0.54	0.58	0.58	0.59
ENDED: DATE	09	09	09	09	09	09	09	09	09	21	21	21
ENDED: TIME	1953	1957	1959	2003	2009	2015	2015	2022	2022	1959	1959	2059

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

JUN 1993  
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								
		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)	
																														CEILING IN HUNDREDS OF FEET
JUN 19th																														
01	2	UNL		H	77	72	70	79	23	7	4	UNL	2	F	72	70	69	90	01	3	5	UNL	5	FH	73	72	71	94	07	4
04	2	UNL	3	H	74	71	70	87	00	0	6	200	2	F	70	69	69	97	00	0	4	UNL	3	FH	72	71	70	94	00	4
07	3	UNL	2	H	79	74	71	77	26	4	4	UNL	2	H	76	72	70	82	00	0	9	200	1	FH	74	72	71	90	12	4
10	5	UNL	4	H	88	75	69	53	28	6	0	UNL	5	H	84	75	71	65	08	5	10	180	2	FH	79	74	71	77	24	7
13	5	UNL	8		92	76	69	47	28	6	6	UNL	6	H	88	76	71	57	15	7	10	120	4	H	85	75	71	63	18	8
16	9	140	7		90	76	70	52	25	8	2	UNL	4	H	86	77	73	65	17	12	9	140	6	H	86	74	69	57	21	12
19	10	80	4	TRW	76	72	70	82	32	11	10	200	5	H	81	73	69	67	18	8	10	65	4	TRWF	70	69	68	93	21	4
22	5	UNL	2	F	73	72	72	97	24	5	4	UNL	5	H	75	71	69	82	11	5	9	250	5	F	71	70	69	93	22	6
JUN 20th																														
JUN 21st																														
JUN 22nd																														
JUN 23rd																														
JUN 24th																														
JUN 25th																														
JUN 26th																														
JUN 27th																														
JUN 28th																														
JUN 29th																														
JUN 30th																														

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			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29.930	66	63	60	81	4.9	32	1.6
04	5	29.925	64	61	59	84	4.6	32	1.8
07	5	29.960	69	64	60	76	6.5	33	1.9
10	6	29.960	75	66	60	60	8.2	33	2.1
13	5	29.930	80	67	59	50	9.2	23	2.5
16	5	29.905	81	68	59	50	10.8	22	4.2
19	6	29.910	76	66	60	60	7.9	21	2.7
22	5	29.940	70	65	61	74	6.2	22	1.6

