

LOCAL CLIMATOLOGICAL DATA Monthly Summary



NATIONAL WEATHER SERVICE OFC

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

JUL 1982
 WILMINGTON, DELAWARE

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 07AM INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES	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	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	78	60	69	-6	53	0	4	0	0	29.94	32	8.8	9.2	15	33	2	2	1	
2	81	56*	69	-6	53	0	4	0	0	30.03	24	1.9	6.6	13	22	3	4	2	
3	74	61	68*	-7	63	0	3	1	8	29.75	02	2.4	6.8	17	07	10	10	3	
4	81	57	69	-6	58	0	4	1	8	29.83	03	2.4	7.2	14	05	1	1	4	
5	78	62	70	-5	59	0	5	0	8	30.07	16	8.4	8.9	18	16	5	5	5	
6	79	58	69	-6	59	0	4	0	0	30.15	17	7.1	9.1	17	17	1	1	6	
7	86	64	75	-1	69	0	10	0	0	30.04	21	7.9	8.8	17	17	4	3	7	
8	91	71	81	5	73	0	16	1	3	29.91	26	4.7	7.1	10	28	4	5	8	
9	92	72	82	6	72	0	17	1	8	29.88	29	6.2	6.8	13	32	6	7	9	
10	89	70	80	4	67	0	15	1	8	29.92	13	3.6	8.3	15	17	3	4	10	
11	87	73	80	4	74	0	15	1	8	29.87	15	10.9	11.7	18	17	9	9	11	
12	92	74	83	7	72	0	18	1	8	29.86	30	3.8	7.9	13	32	7	7	12	
13	92	69	81	5	65	0	16	1	8	29.98	30	2.9	6.3	9	30	3	4	13	
14	88	71	80	4	72	0	15	1	8	30.04	17	3.3	6.2	16	17	10	10	14	
15	90	74	82	6	73	0	17	1	3	30.06	12	5.1	6.5	16	11	7	7	15	
16	90	75	83	7	74	0	18	1	8	30.05	17	4.8	5.2	14	18	6	6	16	
17	93	74	84	8	75	0	19	1	8	29.99	20	7.1	8.2	20	16	4	3	17	
18	95	75	85	9	76	0	20	1	8	29.89	23	6.2	6.6	13	22	4	3	18	
19	95*	75	85*	9	74	0	20	1	8	29.78	27	6.2	7.1	23	32	3	4	19	
20	86	70	78	2	72	0	13	1	8	29.75	31	2.9	6.2	12	01	9	7	20	
21	86	65	76	-0	59	0	11	0	0	29.91	33	7.5	9.4	14	34	0	0	21	
22	91	62	77	1	62	0	12	0	0	29.89	29	6.5	8.3	15	32	3	3	22	
23	83	68	76	0	71	0	11	1	3	29.89	33	3.0	5.6	12	30	10	10	23	
24	87	67	77	1	62	0	12	1	8	29.98	09	.7	9.2	15	09	1	1	24	
25	90	61	76	0	65	0	11	0	0	30.00	24	6.1	6.8	14	21	4	3	25	
26	93	72	83	7	72	0	18	1	8	29.91	25	7.2	7.9	12	23	3	3	26	
27	91	74	83	7	69	0	18	0	0	29.93	20	.8	6.5	10	17	3	4	27	
28	89	72	81	5	73	0	16	1	3	29.73	24	8.2	10.4	21	18	10	9	28	
29	86	62	74	-2	60	0	9	0	0	29.91	30	6.5	7.5	15	30	3	4	29	
30	78	67	73	-3	67	0	8	0	0	29.99	14	5.1	7.3	18	18	10	10	30	
31	84	69	77	1	70	0	12	1	8	29.85	24	3.7	4.3	13	21	8	8	31	
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:			TOTAL	%	SUM	SUM	
2695	2100					0	391			2.70	0	29.93	24	2.3	7.5	23	32	156	157
AVG.	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION	DEP.					DATE: 19	POSSIBLE		AVG.	AVG.	
86.9	67.7	77.3	1.5	67	0	56	0	> .01 INCH	9	-1.61							5.0	5.1	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES			GREATEST DEPTH ON GROUND OF						
						TOTAL	TOTAL	> 1.0 INCH					SNOW, ICE PELLETS OR ICE AND DATE						
						0	631	THUNDERSTORMS		4			PRECIPITATION						
						0	631	HEAVY FOG		0			1.23						
						0	52	CLEAR		13			PARTLY CLOUDY						
						0	52	PARTLY CLOUDY		10			CLOUDY						
						0	52	CLOUDY		8									

* 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 DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 7 OR MORE OBSERVATIONS AT 3-HOUR INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: 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). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL PUBLICATION.

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 CENTER, ASHEVILLE, NORTH CAROLINA, 28801.

Daniel B. Mitchell

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1982 13781
WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)	VISI-BILITY				TEMPERATURE				WIND				SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISI-BILITY				TEMPERATURE				WIND							
		WHOLE MILES	1/8 THS MILE	WEATHER		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)	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8 THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
DAY 01																															
01	5	UNL	10		67	60	55	66	35	6	0	UNL	15		62	56	52	70	36	6	10	250	12			66	62	60	81	25	6
04	0	UNL	12		62	55	50	65	34	4	1	UNL	15		60	56	53	78	36	4	8	250	10			64	62	60	87	00	0
07	2	UNL	15		67	58	52	59	32	9	0	UNL	15		65	59	55	70	32	4	10	100	6		H	66	63	62	87	00	0
10	0	UNL	20		72	61	53	51	30	8	4	UNL	15		74	60	49	41	33	5	10	85	5		RH	71	67	64	79	27	6
13	5	UNL	20		74	62	54	50	33	13	0	UNL	20		78	65	56	47	16	10	10	55	7		RW	74	68	65	74	14	5
16	3	UNL	20		78	63	53	42	31	11	8	UNL	20		80	63	50	35	22	11	10	6	1		RWF	66	65	65	97	07	12
19	2	UNL	20		73	61	53	50	31	8	5	UNL	15		75	63	55	50	21	6	10	8	3		RWF	63	62	62	97	01	12
22	1	UNL	15		65	59	54	68	28	5	10	UNL	15		70	62	56	61	00	0	10	36	3		F	63	62	62	97	36	6
DAY 02																															
DAY 03																															
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DAY 13																															
DAY 14																															
DAY 15																															
DAY 16																															
DAY 17																															
DAY 18																															

WEATHER CODES

- * TORNAO
- 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 FASTEST OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

JUL 1982 13781
 WILMINGTON, DELAWARE

HOUR L.S.T.	SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CELLING IN HUNDREDS OF FEET	VISI-BILITY WHOLE MILES 16THS MILE	WEATHER	TEMPERATURE				WIND																																				
					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)																																			
					DAY 19																						DAY 20																						DAY 21																
01	0	UNL	5	H	80	77	76	80	24	4	9	95	7		74	72	71	90	00	0	0	UNL	8				70	66	64	81	35	8																																	
04	0	UNL	3	FH	77	76	75	94	24	4	7	250	4		72	71	70	93	22	5	0	UNL	7				66	63	62	87	35	8																																	
07	0	UNL	4	H	81	75	73	77	26	8	9	110	4	H	78	74	73	85	27	6	0	UNL	12				70	64	60	71	01	7																																	
10	0	UNL	6	H	89	79	75	63	25	4	10	85	4	H	80	75	73	79	28	8	0	UNL	15				78	65	56	47	02	10																																	
13	4	UNL	6	H	92	79	74	56	33	8	10	50	4	H	82	77	75	79	33	5	0	UNL	15				82	67	57	43	30	10																																	
16	4	UNL	6	H	94	80	74	52	25	8	10	70	12		77	73	71	82	01	9	0	UNL	15				84	67	57	40	33	9																																	
19	10	250	8		77	74	72	85	27	6	3	UNL	12		77	73	71	82	09	6	0	UNL	15				80	65	55	42	29	7																																	
22	9	250	7		78	73	71	79	28	6	0	UNL	7		72	71	70	93	30	4	0	UNL	15				69	63	59	71	26	6																																	
DAY 22																						DAY 23																						DAY 24																					
01	0	UNL	12		65	61	58	78	31	5	10	250	8		77	72	70	79	00	0	3	UNL	10			71	68	67	87	33	7																																		
04	0	UNL	8		63	60	58	84	30	6	10	8	1	B TRW	75	74	73	94	30	10	2	UNL	15				70	63	59	68	02	7																																	
07	2	UNL	12		70	64	60	71	31	7	10	80	2	F	75	74	74	97	01	5	1	UNL	15				75	67	62	64	01	7																																	
10	0	UNL	15		82	68	59	46	31	5	10	20	5	H	78	74	73	85	04	6	0	UNL	15				82	67	57	43	06	13																																	
13	5	UNL	15		88	71	62	42	32	13	10	85	5	TRWH	75	71	69	82	36	6	0	UNL	15				86	69	59	40	27	4																																	
16	7	UNL	15		89	73	65	45	24	10	10	95	5	H	80	73	70	72	17	4	2	UNL	15				86	70	61	43	19	8																																	
19	7	UNL	15		83	72	67	59	21	8	10	140	7		79	72	68	69	27	4	2	UNL	15				79	70	65	62	18	10																																	
22	5	UNL	10		77	72	69	76	30	4	10	UNL	6	H	74	71	70	87	28	4	0	UNL	15				72	66	62	71	19	8																																	
DAY 25																						DAY 26																						DAY 27																					
01	0	UNL	15		66	61	58	76	30	4	0	UNL	7		76	73	72	87	24	7	3	UNL	5			79	75	74	85	33	6																																		
04	0	UNL	15		65	62	60	84	00	0	2	UNL	6	F	74	73	72	94	24	6	0	UNL	7		H		75	69	66	74	01	4																																	
07	1	UNL	15		71	65	62	73	00	0	1	UNL	3	H	77	73	71	82	31	6	3	UNL	7				80	70	65	60	03	5																																	
10	6	UNL	7		82	74	71	69	26	9	0	UNL	6	H	89	76	71	55	27	7	2	UNL	10				85	70	63	48	06	5																																	
13	8	UNL	12		87	70	61	42	25	12	4	UNL	6	H	92	78	72	52	22	10	0	UNL	8				89	75	68	50	20	5																																	
16	7	UNL	10		89	73	66	47	22	9	2	UNL	6	H	93	79	73	52	26	9	7	250	8				87	75	69	55	15	5																																	
19	0	UNL	8		83	74	70	65	21	6	5	UNL	6	H	87	76	72	61	24	5	10	220	8				84	75	71	65	19	7																																	
22	0	UNL	7		77	72	70	79	22	7	3	UNL	6	H	84	77	74	72	25	5	10	100	8		R		77	75	74	91	23	8																																	
DAY 28																						DAY 29																						DAY 30																					
01	10	110	8		76	70	67	74	18	6	2	UNL	15		71	64	60	68	31	8	10	250	15			72	67	65	79	33	3																																		
04	10	100	5	F	75	74	73	94	22	5	0	UNL	15		66	61	58	76	28	5	10	250	15				69	66	65	87	00	0																																	
07	10	5	1	B	78	77	76	94	19	8	0	UNL	15		69	63	59	71	26	7	10	85	7				74	69	67	79	12	4																																	
10	10	20	1	B	83	79	78	85	24	10	0	UNL	20		78	67	60	54	33	9	10	70	7				78	73	71	79	15	10																																	
13	10	250	2	B	88	81	78	72	22	13	6	250	20		83	68	60	46	27	9	10	80	10				74	69	66	76	17	13																																	
16	10	80	2	B	87	80	77	72	24	11	8	UNL	20		85	69	60	43	33	10	10	26	10				73	68	66	79	17	10																																	
19	10	80	3	B	82	74	71	69	28	11	8	250	20		79	67	60	52	35	4	10	11	8				70	68	67	90	10	5																																	
22	4	UNL	10		77	70	66	69	31	8	7	250	20		74	68	64	71	00	0	10	10	8				70	68	67	90	06	6																																	
DAY 31																						WILMINGTON DEL																						82 07																					
01	10	7	7		70	68	67	90	00	0																																																							
04	10	7	4	F	70	69	68	93	00	0																																																							
07	10	20	2	B	71	70	69	93	00	0																																																							
10	10	25	5	FH	75	72	71	87	30	5																																																							
13	7	25	5	H	82	74	71	69	23	5																																																							
16	5	UNL	3	H	83	73	69	63	24	9																																																							
19	8	90	4	H	79	73	71	77	21	6																																																							
22	10	80	7	RW	75	72	71	87	21	5																																																							

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES					RESULTANT WIND		
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP of	WET BULB of	DEW POINT of				
01	5	29.93	72	68	67	85	5.5	29	2.1
04	5	29.92	70	67	66	88	4.5	28	1.4
07	5	29.95	73	69	67	81	5.6	31	2.1
10	5	29.96	81	72	67	65	8.4	28	1.3
13	5	29.93	84	73	67	57	9.8	23	4.0
16	6	29.90	84	73	67	60	11.4	21	4.8
19	5	29.90	79	71	68	69	8.6	21	4.3
22	5	29.92	74	71	68	82	6.6	21	2.9

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JUL 1982 13781
WILMINGTON, DELAWARE

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		
1																									1	
2																										2
3																										3
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30																										30
31																										31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	00.28	00.47	00.48	00.70	00.72	00.72	00.73	01.00	01.05	01.17	01.17	01.18
ENDED: DATE	23	23	23	23	23	23	23	23	23	23	23	23
ENDED: TIME	0405	0405	0405	0430	0415	0428	0443	0503	0520	0538	0612	0640

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.

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE N.C. 28801
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