



LATITUDE 39 ° 40 'N LONGITUDE 75 ° 36 'W ELEVATION (GROUND) 74 FT. STANDARD TIME USED: EASTERN WBAN #13781

DATE	TEMPERATURE ° F					DEGREE DAYS BASE 65°		WEATHER TYPES ON DATES OF OCCURRENCE 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 GUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW, ICE PELLETS OR ICE ON GROUND AT 07AM IN.	PRECIPITATION		STATION PRESSURE IN. - - - FEET M.S.L.	WIND				SUNSHINE		SKY COVER TENTHS										
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEP POINT	HEATING (SEASON BEGINS WITH JULY)	COOLING (SEASON BEGINS WITH JAN.)			WATER EQUIVA- LENT IN	SNOW, ICE PELLETS IN.		RESULTANT DIR.	RESUL- TANT SPEED M.P.H.	AVERAGE SPEED M.P.H.	FASTEST MILE DIRECTION	MINUTES	PERCENT OF POSSIBLE	SUNRISE TO SUNSET	SUMMIT TO MIDNIGHT	DATE								
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							
1	27	11	19	-13	-2	46	0		T	0	0	29.94	33	18.4	18.6	25	34			6	3	1							
2	29	12	21	-11	-5	44	0		T	0	0	30.07	31	16.8	17.3	22	31			0	0	2							
3	31	13	22	-10	-1	43	0		T	0	0	30.12	31	15.9	16.1	21	31			1	2	3							
4	36	15	26	-6	7	39	0		T	0	0	30.09	31	10.4	10.8	16	34			4	4	4							
5	36	17	27	-6	4	38	0		T	0	0	30.20	32	11.3	11.8	16	33			0	4	5							
6	30	18	24	-8	12	41	0	8		.01	.2	30.12	04	10.5	11.2	17	01			10	6	9							
7	40	25	33	-3	12	33	0		T	0	0	30.03	35	15.5	15.2	18	34			9	7	7							
8	41	23	32	0	11	33	0		T	0	0	30.24	32	11.6	12.4	17	31			5	4	8							
9	35	22	29	-4	13	36	0	1		T	1	30.09	31	2.4	6.6	10	25			10	10	9							
10	38	19	29	-4	12	36	0	1		T	0	29.82	33	10.5	11.5	18	35			0	2	10							
11	39	15	27	-6	11	38	0		T	0	T	29.90	33	6.7	8.2	16	22			5	5	11							
12	37	20	29	-4	10	36	0		T	T	T	29.95	31	11.7	12.5	20	30			0	1	12							
13	39	15	27	-6	10	38	0	8		0	0	30.25	27	7.0	7.9	15	28			1	0	13							
14	52	17	35	2	15	30	0		8	0	0	30.16	26	5.8	7.8	15	26			4	2	14							
15	40	27	34	1	17	31	0	1		.01	.1	30.03	13	1.5	7.2	10	11			9	8	15							
16	40	23	32	-2	25	33	0	2 4 6 8		.35	T	30.03	34	6.7	11.4	21	31			10	8	16							
17	31	16	24	-10	7	41	0		0	0	0	29.86	31	14.9	15.2	22	30			4	2	17							
18	37	14	26	-8	7	39	0		0	0	0	30.16	23	8.6	9.2	15	28			3	1	18							
19	48	19	34	0	18	31	0	1		0	0	30.14	20	4.2	5.6	14	15			8	6	19							
20	53	22	38	4	23	27	0		8	0	0	29.88	12	1.8	6.8	10	17			9	6	20							
21	60*	33	47*	13	32	18	0		0	0	0	29.84	33	4.8	9.1	15	32			6	2	21							
22	42	38	40	4	35	25	0	1 3		.40	0	29.83	06	9.9	10.8	16	06			10	10	22							
23	55	36	46	11	35	19	0	2		T	0	29.79	29	6.5	7.3	16	30			9	10	23							
24	53	35	44	9	32	21	0	1		8	0	29.90	27	8.8	9.2	17	27			7	6	24							
25	44	28	36	0	26	29	0	1		8	0	T	29.83	29	7	6.3	14	32			9	8	25						
26	33	18	26	-10	10	39	0		0	0	0	29.85	34	12.7	13.2	29	34			1	3	26							
27	38	21	30	-6	10	35	0		0	T	T	29.84	24	10.3	13.1	25	30			9	8	27							
28	28	20	24	-12	14	41	0	1		8	0	.04	T	29.80	29	4.6	7.5	17	31		10	7	28						
29	24	6*	15*	-21	0	50	0	1		T	T	30.09	33	13.2	14.8	22	31			2	2	29							
SUM		SUM		---		TOTAL		TOTAL		TOTAL		TOTAL		FOR THE MONTH:				TOTAL		%		SUM		SUM					
1136		598		---		1009		0		PRECIPITATION		.83		8		29.98		31		6.7		10.8		29		34			
AVG.		AVG.		AVG.		DEP		DEP		DEP		---		---		---		---		DATE: 26		POSSIBLE		MONTH		AVG.		AVG.	
39.2		20.6		29.9		-3.7		14		1.0		---		---		---		---		---		---		---		5.4		4.9	
NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS		NUMBER OF DAYS			
MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.		MAXIMUM TEMP.		MINIMUM TEMP.			
39.0		-32.7		32.0		-0.4		39.0		-32.7		32.0		-0.4		39.0		-32.7		32.0		-0.4		39.0		-32.7			
0		7		25		0		-77		0		CLEAR		9		PARTLY CLOUDY		8		CLOUDY		12		2		29			

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF
MORE THAN ONE.
T TRACE AMOUNT
+ ALSO ON AN EARLIER DATE, OR DATES.
HEAVY FOG: - VISIBILITY 1/4 MILE OR LESS.
FIGURES FOR WIND DIRECTIONS ARE TENS OF DE-
GREES CLOCKWISE FROM TRUE NORTH. 00 = CALM.
DATA IN COLS. 6 AND 12-15 ARE BASED ON 7 OR

MORE OBSERVATIONS PER DAY AT 3-HOUR INTERVALS. FASTEST MILE WIND SPEEDS ARE FASTEST OBSERVED ONE-MINUTE VALUES WHEN DIRECTIONS ARE IN TENS OF DEGREES. THE / WITH THE DIRECTION INDICATES PEAK GUST SPEED. ANY ERRORS DETECTED WILL BE CORRECTED AND CHANGES IN SUMMARY DATA WILL BE ANNOTATED IN THE ANNUAL SUMMARY.

DISREGARD NOTE CONCERNING WIND DATA CONVERSION IN THE JAN 1980 LCD.

TOTAL PCPN IS LOWEST ON RECORD FOR FEB.

SUMMARY BY HOURS

TIME	MOON	WIND	AVERAGES										RESULTANT WIND	
			SUN	MOON	WIND	TEMPERATURE		RELATIVE HUMIDITY	WIND SPEED	DIRECTION	SPEED	DIRECTION		
						TEMPERATURE	RELATIVE HUMIDITY							
TEMPERATURE	RELATIVE HUMIDITY	WIND SPEED	DIRECTION	SPEED	DIRECTION	SPEED	DIRECTION	SPEED	DIRECTION	SPEED	DIRECTION	SPEED	DIRECTION	
01	5	29	98	27	23	14	60	9	32	5	5			
04	4	29	97	24	21	13	64	8	32	5	5			
07	5	29	99	23	21	13	66	9	32	5	5			
10	5	30	01	31	27	15	52	12	32	5	5			
13	6	29	96	37	30	14	41	13	31	9	7			
16	5	29	94	37	30	14	39	14	31	7	7			
19	4	29	97	32	26	13	48	9	31	5	5			
22	4	29	99	28	24	14	57	9	31	5	5			

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

[illegible]

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NATIONAL OCEANIC AND / ENVIRONMENTAL DATA AND
ATMOSPHERIC ADMINISTRATION INFORMATION SERVICE

Daniel B. Mitchell
DIRECTOR, NATIONAL CLIMATIC CENTER

USCOMM--NOAA--ASHEVILLE

03/28/80

400

FEBRUARY 1980 WILMINGTON, DELAWARE

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND DIR SPEED KNOTS	SKY COVER	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND DIR SPEED KNOTS	SKY COVER	CEILING HDS. OF FT.	VISI- BILITY MILES	WEATHER	TEMPERATURE				WIND DIR SPEED KNOTS		
					AIR °F	WET BULB °F	DEN. PT. °F	REL. HUM. %						AIR °F	WET BULB °F	DEN. PT. °F	REL. HUM. %						AIR °F	WET BULB °F	DEN. PT. °F	REL. HUM. %			
01	0 UNL	20		DAY 01	15	12	-01	49	33	12	4 UNL	20	DAY 02	16	12	-06	37	31	17	0 UNL	20	DAY 03	17	13	-04	39	31	13	
04	0 UNL	20			11	09	-01	58	34	13	0 UNL	20		14	11	-04	44	30	11	0 UNL	20		15	12	-03	44	31	17	
07	0 UNL	20			11	09	-01	58	32	11	0 UNL	20		12	09	-05	46	28	12	0 UNL	20		13	10	-04	46	30	13	
10	6 250	20			19	15	00	43	33	18	0 UNL	20		20	15	-06	31	32	17	0 UNL	20		22	17	-02	35	31	15	
13	8 UNL	20			24	18	-03	30	34	18	0 UNL	20		26	19	-07	23	31	19	0 UNL	20		30	22	-02	25	31	17	
16	6 UNL	20			26	20	-05	25	34	19	0 UNL	20		28	21	-06	22	33	18	2 UNL	25		31	23	01	27	31	16	
19	0 UNL	20			22	17	-05	30	34	18	0 UNL	20		23	18	-03	32	31	13	3 UNL	20		25	20	04	40	28	11	
22	0 UNL	20			18	14	-02	41	33	20	0 UNL	20		20	16	-01	39	30	13	7 250	20		23	19	05	46	30	10	
01	8 UNL	20		DAY 04	22	18	04	46	30	13	0 UNL	15	DAY 05	24	19	00	35	32	13	6 UNL	15	DAY 06	21	18	08	57	01	4	
04	7 UNL	20			16	13	03	56	27	7	0 UNL	15		19	15	01	45	32	12	5 UNL	15		22	19	10	60	07	7	
07	6 250	20			17	15	07	65	32	5	0 UNL	15		17	15	05	59	32	10	7 UNL	10		20	18	09	62	03	7	
10	8 250	15			28	23	10	47	32	12	0 UNL	20		25	20	05	42	33	14	10 110	7		26	22	12	55	06	10	
13	4 UNL	15			33	26	10	38	33	12	0 UNL	25		32	25	05	32	32	12	10	80	6	H	29	25	14	53	06	10
16	0 UNL	20			36	28	08	31	32	12	1 UNL	20		36	27	06	28	31	11	10	25	5	SH	29	25	15	56	05	14
19	0 UNL	20			26	21	07	44	31	6	3 UNL	20		26	21	06	42	28	6	10	55	7		28	23	11	49	03	13
22	0 UNL	20			22	19	09	57	31	8	10 UNL	15		26	21	07	44	31	4	10	15	2	S	24	23	18	78	01	13
01	10 10	2		DAY 07	27	25	20	75	01	13	0 UNL	15	DAY 08	27	22	08	44	33	13	8 250	10	DAY 09	26	22	10	51	30	6	
04	10 80	10			27	24	15	61	34	10	0 UNL	15		25	21	11	55	34	11	7 UNL	10		24	21	12	60	36	9	
07	10 34	15			27	23	13	55	35	13	0 UNL	12		23	20	12	62	33	9	10 110	12		22	19	11	62	02	7	
10	10 250	10			31	26	14	49	35	15	4 UNL	15		32	26	13	45	33	13	10 250	15		30	25	12	47	01	6	
13	8 250	15			37	29	14	39	34	15	9 UNL	15		39	30	11	31	31	14	10 100	15		33	26	10	38	00	0	
16	6 UNL	15			39	30	10	30	34	16	3 UNL	15		39	30	10	30	31	12	10 100	15		33	26	11	40	22	8	
19	3 UNL	15			33	26	11	40	33	10	4 UNL	15		30	24	09	41	28	7	10	90	10		31	26	14	49	23	7
22	0 UNL	15			29	24	10	45	34	14	7 250	15		28	23	11	49	27	7	10	12	3	S	28	26	22	78	19	3
01	10 4	4		DAY 10	27	26	23	85	29	4	0 UNL	15	DAY 11	20	17	06	54	20	6	10	60	10	DAY 12	31	27	18	59	23	4
04	3 UNL	5			21	20	17	84	34	7	0 UNL	15		18	16	07	62	33	5	0 UNL	15		26	23	16	66	27	7	
07	10 UNL	10			21	19	11	65	35	11	1 UNL	8		15	13	07	70	31	4	3 UNL	10		25	22	12	58	31	16	
10	1 UNL	15			28	24	12	51	35	15	1 UNL	7		29	25	13	51	22	5	0 UNL	15		29	23	07	39	31	14	
13	0 UNL	20			34	27	10	37	35	15	4 UNL	12		38	30	13	36	22	13	0 UNL	15		35	27	08	32	32	14	
16	0 UNL	20			37	28	08	30	32	13	9 250	10		36	28	11	35	23	11	0 UNL	15		35	27	06	29	32	14	
19	0 UNL	20			29	23	06	37	30	8	10 120	10		34	28	14	44	22	8	0 UNL	12		29	23	07	41	30	10	
22	0 UNL	20			22	19	07	52	28	7	6 UNL	10		30	26	17	58	24	5	0 UNL	12		26	21	08	46	30	8	
01	0 UNL	15		DAY 13	20	17	08	60	31	7	0 UNL	12	DAY 14	25	22	14	63	23	6	0 UNL	10	DAY 15	32	27	17	54	22	6	
04	0 UNL	15			19	17	08	62	28	6	0 UNL	12		23	21	15	71	20	5	3 UNL	10		29	26	17	61	32	4	
07	0 UNL	7			16	14	08	71	31	5	0 UNL	5		19	18	13	77	00	0	10 120	10		30	26	18	61	02	7	
10	0 UNL	7			31	26	13	47	28	8	1 UNL	6		36	30	18	48	20	6	8 UNL	12		36	29	14	40	36	7	
13	0 UNL	10			37	29	10	33	28	10	3 UNL	10		49	35	09	20	28	12	10	55	12		38	30	15	39	15	6
16	1 UNL	12			38	29	10	31	24	9	10 60	9		48	36	14	25	24	11	10	44	8		37	30	17	44	20	6
19	2 UNL	10			29	24	10	45	24	5	0 UNL	10		43	34	19	38	31	8	10	48	7	S	35	30	19	52	14	5
22	0 UNL	12			26	22	10	51	23	5	0 UNL	12		32	27	15	49	32	6	10	41	5	SF	32	29	22	67	12	9
01	10 20	5		DAY 16	31	29	24	75	12	7	2 UNL	20	DAY 17	26	23	14	60	31	11	0 UNL	20	DAY 18	17	15	05	59	25	6	
04	10 6	4			32	30	27	82	09	6	0 UNL	20		21	18	09	60	30	11	0 UNL	20		14	12	03	61	24	6	
07	10 3	3			35	33	31	85	13	4	0 UNL	20		18	15	05	57	30	10	0 UNL	15		15	13	03	59	22	5	
10	10 36	0			39	37	35	86	29	4	3 UNL	20		25	21	07	46	33	16	0 UNL	20		27	22	07	43	26	3	
13	10 11	4			39	37	33	79	31	14	5 UNL	25		30	23	06	36	30	19	5 UNL	20		35	27	07	31	24	10	
16	9 31	5			36	32	24	62	32	16	4 UNL	25		30	23	05	34	32	15	4 UNL	15		37	28	09	31	23	12	
19	10 48	10			31	26	15	51	35	17	0 UNL	25		23	19	04	44	32	13	0 UNL	15		28	23	11	49	20	6	
22	0 UNL	20			28	23	11	49	34	11	0 UNL	25		19	16	05	54	30	11	0 UNL	15		26	23	14	60	20	6	
01	0 UNL	12		DAY 19	26	23	16	66	00	0	3 UNL	10	DAY 20	28	25	16	61	34	5	7 250	7	DAY 21	35	33	30	82	15	4	
04	0 UNL	12			25	24	19	78	19	3	2 UNL	10		23	21	16	74	34	5	8 250	4		34	33	30	85	26	4	
07	0 UNL	4			20	19	16	84	00	0	8 250	4		23	21	15	71	31	4	9 85	4		37	35	33	85	25	6	
10	8 250	6			34	30	22	62	23	7	9 110	3		39	32	20	46	06	7	8 70	6		49	42	34	56	31	8	
13	10 250	10			45	35	18	34	23	8	9 250	7		49	40	28	44	14	6	2 UNL	8		58	47	34	41			