



LOCAL CLIMATOLOGICAL DATA

Latitude 37° 30' N Longitude 77° 20' W Elevation (ground) 162 ft. Standard time used: EASTERN

Date	Temperature (°F)						Weather types shown by code 1-9 on dates of occurrence 1 2 3 4 5 6 7 8 9	Snow, Sleet, or Ice on ground at 07AM (In.)	Precipitation (Water equivalent) (In.)	Avg. station pressure (in.) Elev. 164 feet m.s.l.	Wind			Sunshine (Total Hours and tenths)	Sky cover (Tenths)	Date					
	Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days (Base 65°)					Resultant direction	Resultant speed (m.p.h.)	Average speed (m.p.h.)				Fastest mile				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	54	27*	41	12	25	24	0	8	0	0	30.07	19	6.1	7.6	18	SW	9.1	72	3	4	1
2	55	35	45	8	33	20	1	8	0.07	0	29.85	33	6.8	12.4	28	NE	5.1	40	6	5	2
3	56	31	44	10	16	21	0	0	0	0	30.10	34	8.1	8.6	15	NW	11.4	89	1	2	3
4	62	30	46	8	23	19	0	0	0	0	30.00	09	2.3	4.0	10	E	9.2	73	7	6	4
5	69	31	50	4	29	15	0	8	0	0	30.01	16	4.0	5.8	9	S	12.8	100	3	4	5
6	54	50	52	3	48	13	12	0	.24	0	29.94	11	3.0	6.6	10	E	0.0	0	10	10	6
7	52	46	49	6	47	16	12	0	.02	0	29.85	04	5.1	6.0	7	N	0.0	0	10	10	7
8	74	47	61	5	49	4	12	0	.03	0	29.76	20	7.3	8.2	17	SW	5.8	45	10	10	8
9	65	48	57	1	51	8	1 3	8	.07	0	29.54	01	6.9	10.4	16	E	3.1	24	8	8	9
10	64	40	52	5	34	13	0	0	0	0	29.84	02	6.4	8.2	16	N	13.0	100	5	3	10
11	62	43	53	4	46	12	1	8	.40	0	29.78	19	5.6	7.1	15	SW	0.2	2	10	10	11
12	83	61	72	15	50	0	0	8	0	0	29.41	26	11.2	14.0	26	W	9.6	74	9	5	12
13	65	45	55	2	30	10	0	0	0	0	29.64	32	17.2	17.4	30	NW	13.1	100	1	1	13
14	63	41	52	6	29	13	0	0	0	0	29.92	02	8.2	10.5	22	N	12.1	92	3	4	14
15	62	44	53	5	43	12	0	0	.05	0	29.69	18	11.3	11.7	27	SW	0.0	0	10	10	15
16	68	44	56	3	42	9	0	0	.02	0	29.53	30	9.8	14.5	20	NW	10.5	80	4	4	16
17	69	35	52	7	33	13	0	0	0	0	29.84	22	6.6	9.2	21	SW	13.2	100	1	3	17
18	84*	49	67	7	40	0	0	0	0	0	29.72	22	5.0	9.5	29	SW	10.7	81	6	6	18
19	57	44	51	9	42	14	1	8	.03	0	29.84	05	9.6	9.9	13	NE	2.0	15	10	9	19
20	57	43	50	10	41	15	1	0	T	0	29.93	05	5.0	7.3	11	NE	3.9	29	8	7	20
21	70	36	53	8	42	12	1	8	0	0	30.06	19	7.0	7.5	15	S	12.2	91	4	2	21
22	80	51	66	5	49	0	0	8	0	0	29.98	18	5.4	6.9	13	SE	8.7	65	8	6	22
23	83	51	67	6	55	0	1	8	.02	0	29.85	05	1.1	5.9	17	NW	8.9	66	9	6	23
24	55	42	49	12	42	16	1	8	.19	0	30.05	08	6.8	8.3	14	SE	0.0	0	10	8	24
25	45	40	43	19	40	22	1	0	.02	0	30.02	11	6.1	6.6	9	SE	0.0	0	10	10	25
26	75	44	60	2	55	5	1	8	.07	0	29.70	21	9.0	10.2	19	SW	3.6	27	10	9	26
27	63	51	57	5	54	8	123	8	.90	0	29.65	04	5.1	7.3	28	SW	0.4	3	10	9	27
28	57	50	54	9	44	11	1	8	T	0	29.79	35	7.3	8.1	11	N	1.1	8	10	10	28
29	68	43	56	7	39	9	0	8	T	0	29.86	34	7.2	8.3	17	N	10.4	76	7	5	29
30	78	42	60	3	37	5	0	8	0	0	29.84	28	7.2	7.8	16	NW	13.7	100	1	1	30

Sum	Sum	Temperature:				Total	Total	For the month:				Total	%	Sum	Sum		
1949	1284	339		120		2.13	0	29.83	31	.9	8.9	30	NW	203.8	52	200	187
Avg.	Avg.	Avg.	Dep.	Avg.	Season to date	Max. 53°	Max. 50°	Min. 53°	Min. 50°	Dep.	Date:	Possible	Month	Avg.	Avg.		
65.0	42.8	53.9	4.2	40	Total Dep. 4110	298	0	0	4	0	13	395.0	52	6.7	6.2		

* Extreme for the month.

T In columns 9, 10, and 11 and in the Hourly Precipitation table amount too small to measure.

X Heavy fog - visibility 1/4 mile or less.

HOURLY PRECIPITATION (In.)

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		.01	.04	.02	T							T												T	T	2	
3																										3	
4																										4	
5																										5	
6																										6	
7		.02	T	T		.01	T	T	.04	.06	T	.01	T	.06		T	.02	.03	.01				T	T	T	7	
8																										8	
9		.04	.01	.02																					.01	.02	9
10																										10	
11									.01	.08	.18	.13		T												11	
12																										12	
13																										13	
14																										14	
15							T	T	T	T	T	.02	.01		.02	T	T								T	15	
16		.01	.01																							16	
17																										17	
18																										18	
19																										19	
20		T								T	T	T	T		T	T	T	T	.01	T	.01	.01	T	T	T	20	
21																										21	
22																										22	
23																										23	
24								T	T	T	.02	T									.04	.11	.02	T	T	24	
25							T	.01	T	T	T	.01	T		T	T	T	T	T	T	T	T	T	T	T	25	
26		T	.01	T	T	T		.01	T	T	T	.01	T		T	T	T	T	T	T	T	T	T	T	T	26	
27						.04	.56	.22	T	T	T	.01	T		T	T	T	T	T	.01	.03	.02	T	.01	.01	27	
28		T	T	T	T										T	T										28	
29																										29	
30																										30	

Data in columns 6, 12, 13, 14, and 15 are obtained from 8 observations per day at 3-hourly intervals. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations; directions are given in tens of degrees from true North. When figures appear in column 17, they indicate directions in tens of degrees from true North (i.e., 09 = East, 27 = West) and the associated speed in column 16 is the fastest observed one-minute wind speed. If / follows direction (Col. 17), speeds are gusts. Corrections, if any, to data in this issue will be published in the annual issue.

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William H. Haggard
Acting Director of National Weather Records Center

AVERAGES BY HOURS

Hour (Local time)	Sky cover (in tenths)	Station press. (in.)	Dry bulb (°F)	Wet bulb (°F)	Rel. hum. %	Dew point (°F)	Wind speed (m.p.h.)	Direction	Resultant wind
Speed (m.p.h.)	Direction	Speed (m.p.h.)	Direction	Speed (m.p.h.)	Direction	Speed (m.p.h.)	Direction	Speed (m.p.h.)	Direction
01	6	29.84	48	45	76	40	6.9	19	.7
04	6	29.83	46	43	81	40	6.9	28	1.8
07	6	29.86	47	44	79	40	8.1	33	2.3
10	7	29.88	55	48	62	40	10.4	33	3.0
13	7	29.84	60	51	54	41	10.4	31	1.9
16	7	29.80	63	51	50	40	11.5	28	1.5
19	7	29.81	58	49	57	40	8.1	12	1.1
22	5	29.84	52	46	67	40	8.1	10	1.1

OBSERVATIONS AT 3-HOUR INTERVALS.

Table with columns for HOUR, SKY COVER, CEILING, WIND, WEATHER, and various weather parameters (DRY BULB, WET BULB, etc.) for each day from DAY 01 to DAY 30.

REFERENCE NOTES

CEILING COLUMN- UNL indicates ceiling unlimited. CIR indicates a cirriform cloud ceiling of unknown height.

WEATHER COLUMN-

- List of weather symbols and their meanings: * Tornado, T Thunderstorm, Q Squall, R Rain, RW Rain showers, ZR Freezing rain, ZL Freezing drizzle, S Snow, SP Snow pellets, IC Ice crystals, SW Snow showers, SG Snow grains, E Sleet, A Hail, AP Small hail, F Fog, IF Ice fog, GF Ground fog, BD Blowing dust, EN Blowing sand, BS Blowing snow, BW Blowing spray, K Smoke, H Haze, D Dust.

WIND COLUMNS-

Directions are indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm or microfiche copies of the original records. Inquiries as to availability and costs should be addressed to:

Director National Weather Records Center Federal Building Asheville, N. C. 28801