



LOCAL CLIMATOLOGICAL DATA

U. S. DEPARTMENT OF COMMERCE - ALEXANDER B. TROWBRIDGE, Secretary

RICHMOND, VIRGINIA
BYRD FIELD
NOVEMBER 1967

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION -- ENVIRONMENTAL DATA SERVICE

Latitude 37° 30' N Longitude 77° 20' W Elevation (ground) 164 ft. Standard time used: EASTERN

Main climatological data table with columns for Date, Temperature (Max, Min, Avg, Dep, Dew point, Degree days), Weather types, Precipitation, Snow/Sleet, Avg. station pressure, Wind (Resultant, Avg. speed, Fastest mile), Sunshine (Total, % possible), and Sky cover (Sunrise, Midnight). Includes summary rows for the month.

- Extreme for the month. May be the last of more than one occurrence.
- Below zero temperatures or negative departure from normal.
T In columns 9, 10, and 11 and in the Hourly Precipitation table indicates an amount too small to measure.
X Heavy fog - visibility 1/4 mile or less.

Greatest in 24 hours and dates
Precipitation: .66, Snow, Sleet: 2, 30+, Greatest depth on ground of snow, sleet or ice and date: 30

HOURLY PRECIPITATION (Liquid in Inches)

Hourly precipitation table with columns for Date, A. M. Hour ending at (1-12), P. M. Hour ending at (1-12), and Date. Shows precipitation amounts in inches for each hour.

Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals. Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations.

AVERAGES BY HOURS

Averages by hours table with columns for Hour (Local time), Sky cover, Station pressure, Dry bulb, Wet bulb, Rel. hum., Dew point, Wind speed, and Resultant wind.

Subscription Price: Local Climatological Data \$1.00 per year including annual Summary if published. Single copy: 10 cents for monthly Summary; 15 cents for annual Summary.

I certify that this is an official publication of the Environmental Science Services Administration, and is compiled from records on file at the National Weather Records Center, Asheville, North Carolina, 28801.

William H. Haggard
Director, National Weather Records Center

OBSERVATIONS AT 3-HOUR INTERVALS

Main data table with columns for HOUR, SKY COVER, CEILING, WIND, WEATHER, and various weather metrics (DRY BULB, WET BULB, REL. HUM., DEW PT., DIR., SKY COVER, WIND, WEATHER) for 30 days.

REFERENCE NOTES

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

WEATHER COLUMN—

- T Tornado
R Thunderstorm
Q Squall
R Rain
RW Rain showers
ZR Freezing rain
L Drizzle
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
BN Blowing sand
BS Blowing snow
BY Blowing spray
K Smoke
H Haze
D Dust

WIND COLUMNS—

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. 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:

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Asheville, N. C. 28801