

Local Climatological Data



MONTHLY SUMMARY

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FT. STANDARD TIME USED: EASTERN WBAR #13740

Main monthly data table with columns for DATE, TEMPERATURE (MAX, MIN, AVG, DEPARTURE, AVERAGE DEW POINT), DEGREE DAYS (BASE 65), WEATHER TYPES (1-9), SNOW/ICE (PELLETS, ON GROUND, AT 07AM), PRECIPITATION (WATER EQUIVALENT, SNOW), WIND (RESULTANT DIR., RESULTANT SPEED, FASTEST MILE), SUNSHINE (MINUTES, PERCENT OF POSSIBLE), and SKY COVER (TENTHS). Rows 1-31 contain daily data, followed by summary rows for totals and averages.

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
† TRACE AMOUNT.
* ALSO ON AN EARLIER DATE, OR DATES.
HEAVY FOG - VISIBILITY 1/4 MILE OR LESS.
FIGURES FOR WIND DIRECTIONS ARE TENS OF DEGREES 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

WIND DATA ESTD. JULY 16TH THROUGH 21ST.

SUMMARY BY HOURS

Hourly summary table with columns for HOUR TIME, LOCAL TIME, SKY COVER, STATION PRESSURE, TEMPERATURE (AIR, WET BULB, DRY BULB), RELATIVE HUMIDITY, WIND SPEED, WIND DIRECTION, and RESULTANT WIND SPEED.

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

Hourly precipitation table with columns for HOUR, A.M. HOUR ENDING AT (1-12), P.M. HOUR ENDING AT (1-12), and DATE. Shows precipitation amounts in inches for each hour.

SUBSCRIPTION PRICE: \$2.55 PER YEAR. FOREIGN MAILING \$1.85 EXTRA. SINGLE COPY: 20 CENTS FOR MONTHLY ISSUE. 20 CENTS FOR ANNUAL SUMMARY. OTHER DATA IN RECORDS ON FILE CAN BE FURNISHED AT COST VIA MICROFILM, MICROFICHE, OR PAPER COPIES OF ORIGINAL RECORDS. MAKE CHECKS PAYABLE TO DEPARTMENT OF COMMERCE. NOAR. SEND PAYMENTS, ORDERS, AND INQUIRIES TO NATIONAL CLIMATIC CENTER, FEDERAL BUILDING, ASHEVILLE, NORTH CAROLINA 28801.

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.

JULY 1978 RICHMOND, VIRGINIA

USB FILE COPY

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	DAY 01				DAY 02				DAY 03				DAY 04				DAY 05				DAY 06				DAY 07				DAY 08				DAY 09				DAY 10				DAY 11				DAY 12				DAY 13				DAY 14				DAY 15				DAY 16				DAY 17				DAY 18				DAY 19				DAY 20				DAY 21				DAY 22				DAY 23				DAY 24				DAY 25				DAY 26				DAY 27				DAY 28				DAY 29				DAY 30				DAY 31																																																																																																																						
	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS	SWY. COVER	CEILING	WINDS. OF F.L.	VISIBILITY	AIR * F	NET BULB * F	DEW PT. * F	REL. HUM. %	DIR	SPEED KNOTS																																																																																																																																																					
01	10	50	6	H	76	71	68	76	34	5	10	50	9	68	67	66	90	15	3	10	17	6		68	66	64	84	12	7	04	10	50	6	H	73	68	67	82	02	8	10	40	9	68	67	66	90	15	3	10	12	9		68	68	67	83	12	7	07	10	50	6	H	72	65	60	86	04	8	10	40	10	68	67	67	97	10	4	10	11	7		71	68	68	80	11	7	10	10	50	6	H	76	65	56	47	04	8	10	40	10	71	70	68	93	08	6	10	11	2	F	74	73	73	87	16	8	13	10	50	6	H	82	65	54	38	05	8	10	40	10	76	70	67	74	11	8	10	13	2	F	79	75	73	82	20	7	16	10	50	6	H	85	68	58	41	08	3	9	40	12	78	70	66	67	08	10	10	18	3	H	81	76	74	79	20	6	19	10	50	6	H	79	68	68	56	07	3	9	40	12	72	67	64	76	08	8	10	18	3	H	80	76	74	82	14	5	22	10	250	9	H	68	66	65	90	13	4	9	100	8	68	65	63	84	09	5	10	14	4	H	74	73	72	94	01	4

NOTES
CEILING
 UNL INDICATES UNLIMITED

WEATHER
 = TORNADO
 T THUNDERSTORM
 Q SQUALL
 R RAIN
 RW RAIN SHOWERS
 ZR FREEZING RAIN
 L DRIZZLE
 ZL FREEZING DRIZZLE
 S SNOW
 SP SNOW PELLETS
 IC ICE CRYSTALS
 SM SNOW SHOWERS
 SG SNOW GRAINS
 IP ICE PELLETS
 R 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
 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.

STATION
 RICHMOND VA
 YEAR & MONTH
 78 07

U.S. DEPARTMENT OF COMMERCE
 NATIONAL CLIMATIC CENTER
 FEDERAL BUILDING
 ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID
 U.S. DEPARTMENT OF COMMERCE

COM-210



FIRST CLASS