### U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

#### WEATHER BUREAU

F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

## **VIRGINIA**

ANNUAL SUMMARY 1957 Volume LXVII No. 13



#### WEATHER SUMMARY

#### GENERAL

The year was a wet one in most areas, but it included a dry spell at the height of the summer that caused considerable damage to many crops, and record floods in southwestern areas in January. Cold weather in October, and sharp cold spells in January and December, vied with warmth in February for headline honors. Destructive storms were less frequent than in the preceding year, and there were fewer casualties.

#### WEATHER EFFECTS

Outside activities were at a standstill in January due to the cold weather and frequent rains. Even rainier weather in February caused additional delay to plowing and seeding operations. Tobacco growers had difficulty in preparing plant beds, but pastures and fall sown grains continued in unusually good condition. Cool weather with frequent rains in March and the beginning of April continued to delay spring plowing and planting. After mid-April, a turn to warm, dry weather allowed planting operations to proceed at an accelerated pace. Small grains made excellent growth in April, and transplanting of tobacco commenced. The abrupt change from very wet to dry weather had adverse effects on strawberries and potatoes. The continuation of dry weather in the first half of May caused rapid deterioration of pastures and small grains. Planting of corn, peanuts, and soybeans, and transplanting of tobacco was retarded by dry soils, and strawberries and potatoes continued to decline. Good rains during the latter part of the month improved most crops, and planting operations resumed. Rainfall during the latter part of June east of the Blue Ridge Mountains was insufficient for proper crop growth, while west of the mountains conditions were quite favorable. The small grain harvest made rapid progress in the east in June, but yields were low. Corn in the east portion declined rapidly during the month, and potatoes declined also. In all but southwestern Virginia, extreme dryness in July caused a further sharp decline in corn and late hays; peaches, tobacco, soybeans, sweet potatoes, and some other crops were affected to a lesser extent. The area of dryness extended in August to the area west of the Blue Ridge Mountains. The apple crop suffered drastically, and peaches failed to size. A larger-than-usual acreage of a disappointing corn crop was cut for silage. Rains in the Tidewater and southern counties during the latter part of the month revived pastures and peanuts, and aided soybeans and sweet potatoes. Parched soils received relief throughout the State in September. As a result, the apple crop improved and pastures recovered rapidly. Harvesting operations progressed as weather conditions permitted. Despite many interruptions from rain in October, harvesting continued and seeding of small grains made fairly good progress. Late varieties of apples continued to improve. Some Tidewater areas suffered from excessive rainfall in October, with unfavorable effects on vegetable crops. fields retarded harvesting and seeding operations in the eastern counties during the early part of November, and frequent rains in the latter part of the month and in December almost halted these operations over most of the State. Small grains, legumes, and pasture grasses, made very good growth, but less than the usual amount of winter plowing was accomplished.

#### TEMPERATURE

Cold weather in October and a warm February took headline honors in 1957.

January was dominated by cold weather, notably a short sharp cold snap at the beginning of the

month and a week of very cold weather at mid-month. Temperatures climbed to very high levels by January 22, and remained mild to the end of the month. February saw persistent mild temperatures, interrupted by a few very warm days, mostly near the end of the month. Except for a week of high temperatures at mid-month, cool weather predominated in March. The first half of April was cold, but, after an abrupt change, hot weather prevailed during the latter part of the month. A cold snap early in May dropped temperatures into the 30's but the rest of the month was warm with only short interruptions of cool weather. Short cool periods alternated with longer hot periods in June, the advantage clearly going to the latter; the eastern part of the State experienced considerably more hot days than usual, for June. There was a fairly even balance of warm and cool weather in July, while August saw more than the usual amount of cool wea-Temperatures were well above average during much of September, but the month closed with a spell of rather cold weather. Cold weather continued through much of October, interrupted only briefly by mild days, and there were two periods of very cold temperatures. Warm and cold periods alternated in November, but warmth had the advantage; one cold period, however, produced some truly winter-like temperatures. The first decade of December was mild, but a cold wave on December 12 and 13 dropped the mercury to very low values. Temperatures returned to seasonal values by mid-month and reached very high levels during a 5-day period just before Christmas.

Annual average temperatures ranged from 48.3° at Big Meadows to 63.3° at Norfolk. The year's highest temperature was 103° at Back Bay Wildlife Rfg on July 23. The lowest temperature for the year was -16° at Partlow 3 WNW on January 18. Temperatures rose to 90° or higher most often at Sussex, on 80 days, and dipped to 32° or below most frequently at Big Meadows and Monterey, 140 days. Berryville, Dante, and Luray shared the prize for the greatest frequency of temperatures 0° or below: 4. Big Meadows easily took the lead for the greatest number of cold days, with 20 days on which the temperature failed to rise above 32°.

#### PRECIPITATION

The year saw the complete range from excessive precipitation, and resultant floods, to extreme deficiency at the height of the summer.

January's precipitation came in seasonal amounts and frequency becoming more frequent and heavier near the end of the month, particularly in the Southwestern Mountains. The wet spell continued in February through the 11th, and there were 2 additional wet periods in the latter half of the month. Precipitation in March was a little heavier than usual in the Tidewater, and frequent but light elsewhere in the State. The first 9 days of April saw frequent occurrences, with heavy amounts in southern and western areas; the period from April 21 to 25 was marked by frequent rains. A practically rain-free period extended through the first 10 days of May, but occurrences thereafter were frequent and mostly light until near the end of the month. The period June 2-9 was quite wet; occurrences during the rest of the month were rather frequent, becoming a definite wet spell during the last week. July witnessed a radical change to dry weather, with most amounts light and infrequent, and only 1 day of State-wide rains. The July pattern persisted until the middle of August, but the remainder of the month saw moderate rains of the usual frequency. Precipitation frequency increased in September, and became a wet spell by the 8th, lasting until the 19th and including frequent heavy amounts. After a period of scattered rains, a 2-day wet spell closed the month. The first half

#### WEATHER SUMMARY (Continued)

of October saw only infrequent occurrences, but some of these were heavy amounts; the latter half of the month featured several short wet periods, with the same conditions prevailing until the middle of November. Occurrences of precipitation were very frequent from November 14 through the 30th, and included several heavy amounts in the central and southeastern portions. Wet weather from December 4 through 11 featured rather heavy amounts over large areas of the State; the latter part of December saw 2 distinct wet periods.

Annual precipitation totals ranged from 30.11 inches at Riverton to 71.87 inches at Bristol. The greatest daily precipitation amount was 5.55 inches at Philpot Dam 2, recorded on September 17. Bristol also took the prize as the rainiest location, with 119 occurrences of precipitation of 0.10 inch or more. Woolwine 4 S, however, had the distinction of being the station with the greatest frequency of heavy amounts, 29 days with 1.00 inch or more.

#### SNOWFALL

Snowfall in 1957 approximated the usual expectancies, although it was a little lighter than usual in the southwestern portion and a little heavier than usual in the northeast.

Snowstorms struck the northeast portion around the end of the first week in January, and heavy Statewide snowstorms were noted at mid-month. Snowfall was lighter than usual in February, a reflection of the warmth of the month, and occurred mostly during the cool period at mid-month. March's snowfall was heaviest in Northern Virginia, and totals were near the seasonal amounts. snowstorm on April 13 brought heavier-than-usual amounts to many locations, and was the last occurrence in the spring of significant snowfall. A light snowfall visited several areas near the end of October. The next snowfall came about a month later, and was not much heavier. December saw heavy snowfalls in Northern Virginia early in the month, with a lighter dusting elsewhere in the State, and another light snowfall about a week later. The greatest annual snowfall was 51.0 inches at Big Meadows. The greatest depth of snow on the ground was 11 inches on December 4 at Falls

Church, Lincoln, and Waverly Hills.

#### DESTRUCTIVE STORMS

Severe weather features were nowhere near as numerous or as destructive in 1957 as they were the preceding year. The greatest damages resulted from the storms of August 19 and October 6 that brought strong on-shore winds that wreaked havoc in Coastal installations. The year's only casualties were the drowning of 1 person, and the injuring of several others in the October storm, the loss of 3 lives due to the snowstorms and cold weather of December, and a dozen or more injuries in accidents stemming from the January snowstorms.

Two tornadoes on May 27 each caused considerable damage, and 2 others in April caused lighter losses. Strong winds in January resulted in considerable damage. Frequent thunderstorms in May, June, August, and September resulted in several instances of minor wind, lightning, and hail damage. There was a considerable number of traffic accidents in the January snowstorms that resulted in minor damages.

#### FLOODS

Record floods hit large areas of southwestern Virginia late in January. The towns of Pound, Haysi, and Grundy were largely inundated to depths ranging up to 8 feet. Property damage was huge, but there was no loss of life. The floods continued into February, receding early in the month. The only other floods reported during the year were slight, occurring on the James and New Rivers in April, and in Greensville and Southampton Counties in the latter part of December; but damages were negligible. A flash flood at Coeburn in April, and local flooding at Urbanna in May resulted from heavy local rains; damages were considerable in small areas.

Details of each month's weather may be found in the monthly issues of this publication.

Harold S. Lippmann, Climatologist Weather Records Processing Center Chattanooga, Tennessee

#### SPECIAL NOTICE

A survey has indicated that the comprehensive narrative weather story carried in each issue of Climatological Data is of value to only a small number of recipients. This story will be discontinued, therefore, with the January 1958 issue. A table of extremes will be carried each month and a text will be carried whenever unusual and outstanding weather events have occurred. General weather conditions in the U. S. for each month are described in the publications MONTHLY WEATHER REVIEW and the MONTHLY CLIMATOLOGICAL DATA, NATIONAL SUMMARY, either of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C.

ble 1	Ian	lary	Febr	uary	Ma	ch	Āp	rii	M	ay	Ju	ne	Ju	у	Aug	rust	Septer	nber	Octo	ber	Nove	mber	Decen	nber	Ano	nual
Station	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
LEXANDRIA POTOMAC YDS 5MLAND 1 SW ACK BAY WILDLIFE RFG ALCONY FALLS EDFORD	34.1M 35.5 42.5 35.4M 36.0	,	42.5 42.8 45.9 41.2 44.4		46.2 49.8 44.0 47.6		61.1M 60.5 62.8 58.4 60.3		68.3M 66.8 68.6 66.6 67.1		77.3M 77.5M 76.7 73.3 73.7		79.6 77.7 78.2 75.1 76.0		76.8 73.8 77.0M 72.1 73.8	,,,	73.1 71.3 75.9 69.0M 70.5M		56.8M 53.0 60.1M 51.6 53.4M		50.6 49.5 55.0 47.1 49.6		42.8M 41.8 47.6M 39.7 41.9		59.1 58.0 61.7 56.1 57.9	
ERRYVILLE IG MEADOWS LACKSBURG 2 LACKSTONE CAA AP OWLING GREEN	30.6 26.9 33.0 36.6 37.4M		38.6 34.8M 40.0 43.8 44.3		42.0 35.6 41.2 47.7 48.0		55.9 50.5 52.4M 61.3 52.5		63.2 58.1 63.3 67.7 68.0		73.1 64.7 68.9 75.3 76.9		73.9 66.6 70.8 77.5 78.8		71.4 63.9 68.7 74.6 75.0		67.7 60.4 65.3 71.4 72.6		51.1 44.8 48.2 54.6 55.4		44.2 41.6 44.8 50.3 51.7		37.1 32.4M 36.4 43.2 43.9		54.1 48.3 52.8 58.7 59.5	
DYKINS RISTOL JCHANAN JRKES GARDEN APE HENRY WB CITY	41.1 38.3 36.9 33.2M 39.9	- 1.9 8		5+2 5+2	50 • 3 47 • 3 M 46 • 5 38 • 8 48 • 0	3 - 1.6	64.6 61.3N 60.5 52.0 60.8		69.2 67.7M 67.1 58.1 67.7	1.8	77.6 73.8 73.8 64.8 76.2	1.0 4	79.1 75.6 75.8 65.1 77.9	2 - 3.0	76.3 73.5 73.5 62.9 75.7	- 1.2 - 4.2		.8 1.2	55.8M 54.2M 53.7 46.3M 59.7	- 4.5 - 5.1	52.9 49.5M 48.9 42.1M 54.7		46.1 41.0M 41.6 34.0M 47.0	3•2 •4	61.1 58.3 57.7 50.0 60.6	-
TAWBA SANATORIUM IARLOTTE COURT HOUSE IARLOTTESVILLE 2 W IARLOTTESVILLE 1 W IASE CITY	34.7 34.8M 34.6 35.4 38.5	- 2.2 - 2.9	42.6 41.6M 41.0 41.7 45.3	5.4 2.5	44.1 45.8M 46.0 46.0 48.8	•2 •1	57.7 58.9M 59.6 58.6 62.4	4.0 3.3	65.0 68.1M 67.6 66.6 68.7	2.3	70:3 73:94 73:6 73:6 75:8	3	73.2 76.3M 78.1 77.6 77.9	•8	70.9 73.4M 75.7 74.9 75.5	- 1.0 2	66.8 70.1M 70.2 71.2 71.7	•4	51.1 54.0M 54.1 54.8 55.4	- 5.6 - 5.7	47.0 48.7M 49.4 50.3 51.5	1.6 1.2	40.0 M 40.9 42.8 44.1	2•8 2•4	55.3 57.6 57.8 59.6	
MATHAM 2 NE MERITON MILHOWIE 1 5 MLUMBIA MOZET 2 N	36.6 38.5M 33.7 34.5 36.1	- 3.2 - 3.9	42.7 43.3M 42.9 41.4M 42.9	2•1 2•4	45.0 47.7M 42.6 45.4 46.5	- 2.6 - 1.3	58.9 61.5M 55.7 58.8 60.0		67.2 68.4M 63.3 66.6 66.4	•9 •5	73.3 76.5M 69.9 73.6 74.3	6	75.8 77.5M 69.9 76.8 76.9	- 1.2 8	73.5 75.4M 67.5 73.3M 73.6	- 2.0 - 2.7	89.4 74.2M 86.1 70.2M 70.0	10.6	52.9 58.9M 49.4 52.7 53.2	- 6.3 - 5.7	48.2 53.2M 45.1 47.7 48.7	.4	41.1 M 36.8 41.3 42.1	1±7 2±9	57.1 53.6 56.9 57.6	-
JLPEPER AHLGREN PROV GROUNDS ALE ENTERPRISE ANTE ANVILLE	33.0 33.4 31.6 33.2 38.6	- 4.2 - 4.7 - 4.0 - 4.2 - 3.1	40.5 39.3 41.8	2.3 3.1 3.6	45.8 45.1M 42.0 44.5 47.3M	3 5 - 1.0 5 - 2.2	57.3	5.1 3.5 2.9	66.3 67.8M 63.0 67.5 69.2	2.4 .7 4.1 1.2	74.9 79.2 70.3 74.3 76.3M	1.5 1.4 .2 3.8 .3	77.6 72.8 75.6	2 7 1.9	72.0 69.9	- 2.0 - 2.6 - 2.4	71.6M 71.3 67.5 65.5 72.3	1.3	53.5 54.4 50.3 50.6 55.8	- 4.9 - 9.1 - 9.7 - 5.9 - 5.0	49.2		40.3 41.0 38.2 36.8 43.6M	3.0 1.9 2.4 3 2.5	57.3 57.5 54.1 55.2 59.5	-
ANVILLE CAA AP IAMOND SPRINGS LKWOOD & SE PISCOPAL HIGH SCHOOL ALLS CHURCH	38.4 40.3 32.2 32.8M 31.2	- 4.2	44.8 45.8 40.6 40.4M 39.8	146	47.9 49.3 44.5 45.3M 44.3	- 1:4	61.9 63.3 58.4 59.8M 56.6	4.5	68.8 69.1 65.1 67.7M 66.7	1+1	75.4 77.7 73.9M	149	7843 7846 7645M 7647	4	76.1 76.5 73.4M	- 1.4	71.6 75.1 69.7 70.0M	1.8	55:0 58:2 51:9 53:1M	- 5.2	50.8 54.5 46.7 47.1	1.1	43.8 47.6 39.3 39.3	2.9	59.4 61.3 56.0	
ARMVILLE LOYD DRT LEE REDERICKSBURG ALAX	37.2M 34.9 36.0 33.1M 35.9	- 2.8	43.8 42.1 43.5 41.5M 42.9	3.1	47.4 42.2 47.4 45.5 42.8	3 1	51.0 56.2 61.5 58.6 56.1	401 304	67.5 63.8 66.7 66.1M 62.3	1.5	74.6 70.1 75.6 74.3 68.9	1.0	76.8 72.2 76.4 76.4 69.7	8	70 • 2 73 • 7	- 204 - 205	71.1 66.2 71.6 69.2 66.4	1.3	53.4 50.2 54.4 51.5 50.0	- 5.6 - 7.0	49.2 46.1M 50.0 46.4M 45.4	- 1.0	42.1 38.7 43.6 39.9M 38.2	2.0	58.1 54.4 58.4 56.3 53.9	-
EN LYN RDONSVILLE CAA AP LIFAX 5 ENE LLAND 1 E PEWELL	34.8 31.7 39.8 38.0 37.6	- 4.5	46.1 39.9 45.2 44.3 45.0	2.2	45.6 44.1 48.7 47.5 48.9	~ 1.2	58.9 58.1 62.5 61.5 63.2	3.7	67.5 65.2 69.1 67.4 69.6	1+1	73.4 73.5 75.9 76.2 76.5	•1	74.4 76.1 78.1 77.1 78.3	- 1.0	73.6 73.2 74.4 74.7 75.5	- 244	69.8 69.2 71.0 73.8 73.1	•7	53.2 50.9 54.94 55.9 55.6	~ 5.8	48.0 45.3 51.0 51.3 52.1	1.3	30.0 38.3 44.1 44.7 44.9	3•1	57.0 55.5 59.6 59.4 60.0	-
IT SPRINGS HAN H KERR DAM INGLEY AIR FORCE BASE WRENCEVILLE IXINGTON	31.9 37.9 38.7 38.0M 35.2	9 - 3.3 - 2.6	43.7 44.3 45.1	7•3 2•4 4•7	41.5 47.4 48.7 48.9 45.3	.9 1 3	55.4 61.2 62.0 61.9 59.5	5.0 4.7 4.4	63.0 68.6 68.6 68.1 66.4	3 • 1 1 • 4 2 • 3	68.9 76.8H 78.2 76.7 73.0	1 • 7 2 • 8 1 • 4	77.7 79.8 78.5	.9	75.8	- 1.6 5	65.2 72.0 74.7 72.8 69.4	2.8 2.0 1.9	49.7 53.9 57.7 54.9 52.7	- 2.8 - 4.5 - 4.1	4942	3.2 2.0 2.3	36.7 42.1 46.4 44.3 41.0	3.6 3.9 3.4	53+1 -8+7 60+7 59+7 56+8	
INCOLN JUISA JRAY 5 E (NCHBURG WB AIRPORT ANASSAS	31.8 34.7 32.9 35.5 32.4	- 4.3 - 2.2	40.3 42.0 40.8 43.0 40.4	3.6 3.8	44.8 46.1 43.8 46.4 45.1	•9 •0	58.8 59.9 57.2 59.8 58.8	4.3	66:1 66:1 64:8 66:4 66:3	47 104	74.0 73.8 71.8 73.2 74.8	•3	76.9	- 3.1	74.4 73.5 71.6 73.6 74.3	- 107	70.2 69.8 68.6 68.8 71.2	1.2	54.1 52.2 51.5 53.3 53.2	- 4.3 - 4.5	47.9 48.0 46.5 48.6 47.6	1.3	39.6 40.4 39.1 41.3 39.4	2.7	56.4 57.0 55.1 57.1 56.8	1
RTINSVILLE FILT PL KTHENS 1 SSW ONS ONTEREY OUNT WEATHER	37.8 36.3M 31.2 28.1 28.9	- 1.7	44.1 43.0M 39.1M 34.9 38.4M	7.7	46.0 46.7M 40.0 39.0 41.0	2.3	59.6 60.2 55.1 50.6M 54.4	5.9	66.5 67.2 62.7 58.7 63.1	342	73.5 76.5N 88.2N 65.9 70.4	149	74.7 77.6 71.0N 65.7 72.9	.4	72.5 74.1M 67.9 65.4M 70.5	- •=	69.6 73.0M 64.2M 62.4 66.6	2.3	52.6 55.6 48.2M 46.7 50.7	- 3.1	47.9 51.1M 41.1 44.6	2.5	40.7 43.2H 36.8 32.4 36.3	4.5	57+1 58+7 49+2 53+2	
ASSAWADOX EW CANTON EWPORT NEWS ORFOLK WB AIRPORT ORFOLK	36.6 36.9 40.2 39.7 42.6	- 2.2 - 1.6	45.1	4.2 2.6	49.1	•0: •7	59.5 59.8 64.0 62.3 65.7	3.7 6.0	66.0 65.2 69.4 68.1 71.1	1•1 2•2	75.8 73.5 78.4 77.7 79.7	3.0	80.1	- •1 1•1	73.2 73.0 77.2 75.7 78.3	- 1.3 1	74.8	1 4 5 2 4 8	56.3 52.8 58.8 58.2 60.5	- 5.1 - 3.0	51.7 48.7 54.5 53.9 56.1	1.2 2.5	43.9 42.0 46.7 46.7 48.6	3.1 3.9	58.5 57.5 61.5 60.7 63.3	
INTER INTLOW 3 WNW INNINGTON GAP 1 W IILPOT DAM 2 EDMONT FIELD STATION	36.6 33.4 34.4 36.9 33.3	- 2.5	43.2 41.6 43.3 42.7 42.1	5.5	46.3 45.4 44.1 45.2H 46.1	- •2	59.4 59.1 56.4 58.0 59.5	2.4	66+5 66+0 63+8 66+2 67+2	. • •	75.0 74.9 70.2 72.7 74.5	•6	7645 7744 71.8 75.2 77.5	- 2.1	73.8 73.3 69.1 73.5 75.2	- 4.0	72.4 69.6 67.8 68.9 70.9	•2	56.3 52.2 54.1 53.4		51.5 47.2 48.5 48.5		44.5 40.9 41.1 41.1		58.5 56.7 56.9 57.5	
DWHATAN 5 SW JLASKI CAA AP JANTICO 1 S ICHMOND WB AP DANOKE	36.4M 33.9 32.6 35.2 36.5		43.2M 41.4 41.4 43.3 44.4	3.6	47:1 41:8 45:7 47:2 46:5	3	60.5M 55.3 58.9 61.5 59.8	5.4	67.0 63.4 66.5 67.8 67.4	1.3 2.0 1.8	76.2	1.9	77.6M 71.8 76.9 78.4 76.1	4	74.0M 68.7 73.8 74.6 73.8	- 1.3	70.8M 65.8 70.6 71.9 68.8	1.6	54.6M 49.3 53.4 54.6 53.5	- 5.0 - 4.2	48.9N 46.0 47.8 50.3 49.2	1.9	42.3 37.9 40.0 43.0 42.1	2.5 3.5 3.1	58.1 53.7 56.9 58.7 57.6	1
ANOKE WB AIRPORT CKY KNOB CKYMOUNT LTVILLE 1 N AUNTON D AND B INST	35.7 32.8 36.0 34.0	- 2.2 - 1.2 - 2.2	40.6 43.1M	3.4	45.4 39.4 45.6 43.9 42.8	8	58.2 58.8 57.1	4.3 2.3 4.2 4.0		2.2 2.2	67.8 69.8 72.7		69.8 74.4N 73.7	- 1.6 - 1.1	73.7 68.1 70.11 71.9 71.6	- 4.9 - 1.6	68.5 64.3 69.5 67.5	1.6	33.5 48.0 52.5 51.1	- 4.5 - 5.4	47.5	3.0	41.1 36.9 8 38.2 39.2	2 • 1 1 • 4 2 • 8	57.2 56.3	1
TUART JFFOLK LAKE KILBY JNMYBANK JSSEX NGIER ISLAND	38.8 38.0 35.9 39.7 36.6		44.9 44.0 41.9 45.5 42.3		46.6M 47.2 46.0 49.8 46.9		59.9 61.6 59.1 63.7 58.6		66:3 67:1 68:8 69:3 67:1		71.3 76.7 75.7 77.3 77.0		72.8 77.4 77.7 79.1 79.7		71.5 74.8 74.0 76.1 75.7		67.8 73.2 72.6 74.0 75.6		52.5 55.6 56.3 56.8 59.6		48.8 51.3 51.4 52.9 53.2		41:7 44:0 43:3 45:7H	Ų	56.9 59.2 58.6 60.8 59.9	
MBERVILLE 2 N BANNA LKERTON LRENTON 5 NE LRSAW 2 N	31.9 37.2 35.1 30.5 35.1		38.8 43.5 43.0 38.1 42.5		42.3 47.4 46.5 43.4 46.4		55.7 62.2 62.0 55.6M	) 	63.3 68.9 67.4 64.6M		71:0 76:5 75:4 73:0 79:8		73.0 78.3 77.6 76.28		71.6 75.7 74.1 73.5 75.1		67.8 73.7 71.6 69.9M 71.9		49.7 56.5 54.3 53.0H 54.4		44.9 52.2 50.1 47.0 51.2		37.1 44.2 42.6 37.4 42.9		53.9 59.7 58.3 55.2 58.5	
ASHINGTON ASHINGTON WB NAT AP AVERLY HILLS EST POINT 2 SW LLIAMSBURG 2 N	30.0 32.9 32.6 36.5 37.5	- 3.2	38.2 41.4 41.0 43.7 43.8	4.3	42.9 45.8 45.4 47.4 47.5	• 9	55.9 59.2 58.8 63.1 62.2	4.8	63.8 67.2 66.8 -69.0 67.7	2.1	71.4 76.6 76.6 76.2	3.2	73.1 79.2 78.3 79.0 78.1	1.1	71.9 75.7 75.3 75.3 74.7	•:	68.2 71.9 71.3 73.1 72.8	2.5	51.6 55.4 54.5 56.0 55.6	- 2.1	45.7 49.6 49.1 51.9 51.6	1.5	37.6 41.4 41.2 44.2 44.3	3.4	54.2 58.0 59.7 59.3	
NCHESTER 2 SSW SE 1 SE DODSTOCK THEVILLE	31.9 32.9 32.9 34.7	- 3.5	39.8 42.4 40.4 43.0	3.3	43.7 42.5 43.8 42.1	- 1.6	57.3 56.4 57.0 55.7	3.5 2.6 2.7	61.9 64.7	105 06	72.5 68.4 72.0 69.5		76.2 69.3 73.71	- 1.0	74.1 68.0 72.1 68.5	- 1.	69.6 65.7 68.2 64.8	1.0	52.9 49.5 53.4M	- 3.!	46.8 45.0 47.3 45.6	1.5	39.3 37.8 40.0 37.6	3 · 4 1 · 3	55.8 53.4 55.4 53.7	:

Table 1-Continued AVERAGE TEMPERATURES

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

VIRGINÏA

	Jaz	uary	Feb	ruary	Ma	ırch	A	pril	M	[ay	Jı	ine	Ju	ly	Au	gust	Septe	mber	Octo	ober	Nove	mber	Dece	mber	Ans	wal
Station	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Тепретаture	Departure
DIVISIONAL AVERAGES		<u> </u>				<u>'                                    </u>		ļ <u> </u>				<u> </u>			<b></b>							_				
TIDEWATER EASTERN PIEDMONT WESTERN PIEDMONT MORTHERN CENTRAL MOUNTAIN	37.6 36.0 36.5 31.7 33.8	- 3.2 - 3.3 - 3.0 - 4.0 - 2.7	43.2 43.1 40.0	3.2 2.9 3.8	47.7 46.9 46.0 43.9 43.6	- 1.1 - 1.1		4.0 2.7 4.1	68.1 67.2 67,0 65.2 64.8	1.1	75+3 75+2 75+0	5 1,2	78.1 77.4 76.0 75.5 73.4	8 1 5	74.1 73.3 73.1	- 2.0	73.4 71.1 70.1 69.4 67.5	1.4 .6 1.9	59.6	- 4.3 - 5.2 - 5.7 - 4.4 - 5.0	49.2 49.3 47.0	1.3	44.6 42.1 48.7 39.0 39.0	3.4 3.0 2.4 2.9 2.6	38-1 57-4 55-7 35-1	7 2 .7
SOUTHWESTERN MOUNTAIN	34.5	- 2.1	42.7	5.6	42.8	•8	56,6	3.3	63.8	1.6	70+1	•4	71.5	- 1.1	69.0	- 2.6	66.6	.7	50.1	- 5.5	45.9	2 • 1	37.7	1.4	54.3	.,

TABLE 2	1	O11	, , , , , , , , , , , , , , , , , , ,	TLE	J11 1	ın.	101	. A . A .	עוו		- An	.101	LEO	TIL	/141	101		. 1 171	1147	14177	1110					1957
	JANI	JARY	FEBRU	ARY ,	MAR	сн	API	RIL .		AY	JUL	ME	טנ	LY	AUC	3U51	SEPTE	MBER	ост	OBER	NOVE	MBER	DECEA	ABER	ANN	IAL
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	OEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
ABINGDON AFTON BOXWOOD GARDENS ALEXANDRIA POTOMAC YDS ALLISONIA ALTAYISTA	8.86 1.92 E 4.26 3.88 2.61		6.57 5.48 2.52 4.99 3.91		3.25 2.61 2.21 2.31 2.47	,	4.72 4.96 2.29 6.78 4.17		2.25 1.94 1.25 2.03 2.15		7.08 4.17 3.16 2.00 3.70		1.68 .78 1.26 2.09		4.88 .84 2.62 .83 3.65		8.22 5.97 4.15 7.56 7.00		1.18 2.83 .82 1.47		2.61 4.26 6.47		5.91 3.10 2.86		59.18 E35.07 40.65 41.33	
AMISSVILLE APPOMATTOX ASHLAND 1 SW AUGUSTA SPRINGS 1 E BACK BAY WILDLIFE RFG	1.78 E 3.51 3.12 E 3.50 4.43	ı	3.27 4.10 4.90 4.23 6.04		2.04 2.30 3.07 1.65 4.18		3.62 5.47 2.76 5.22 1.28		1.81 2.27 1.39 3.68 2.90		4.73 5.75 3.15 5.49 1.46		1.15 3.60 2.06 1.78 2.67		1.33 3.55 8.87 .80 11.49		3.89 9.01 4.58 5.32 5.86		2.45 1.29 5.42 2.60 4.16		2.77 6.08 4.28 3.30 7.25		4:14 3:14 6:66 3:00 5:06		32.98 650.07 50.26 640.57 56.78	
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	2.79 3.89 1.63 7.05 2.98	83 .25	5.60 5.25 2.41 5.66 5.15	2.84 2.52	3 · 28 2 · 29 2 · 23 2 · 54 1 · 44	~ •72 -1•89	6.76 4.79 3.53 4.60 4.65	3.22 1.36	2.90 3.62 2.39 1.50 3.51	- +63	3.96 3.78 1.88 5.43 4.72	- :81	1.71 1.74 1.64 1.39 2.09	-2.22 -2.81	1.22 2.34 1.26 5.96 1.25	-3.69 -3.17	7.25 7.39 3.14 5.87 6.70	3.71 4.24	1.78 2.21 4.92 1.70 5.43	-1:36 - :76	4.12 3.88 2.43 5.70 3.81	1.00 .87	2:93 2:70 3:75 5:77 6:12	41 89	44.30 43.68 31.21 54.17 47.85	1.11 - 1.72
BIG STONE GAP BLACKSBURG 2 BLACKSTONE CAA AP BLAND BOWLING GREEN	9.95 5.53 3.08 6.64 3.18		6.37 4.99 5.32 5.73 4.41		1.84 2.65 2.59 2.22 2.46		4.17 4.55 2.20 4.48 3.65	į	3.67 2.10 3.04 2.20 1.34		4.63 4.47 4.84 5.10 2.55		2:17 3:39 2:79 2:40 2:87		3.53 1.24 8.77 1.03 6.38		6.38 10.29 6.85 6.64 3.97		1:39 2:11 2:60 1:17 5:55		6.37 4.40 5.80 4.64 3.75		6.56 3.30 6.55 2.62 7.77		57.03 49.02 54.43 44.87 47.88	
BOYKINS BREMO BLUFF BRISTOL BRISTOL TVA BROOKNEAL	4.19 2.67 E11.51 9.82 E 2.93		5.96 3.47 9.17 6.61 4.05		4.80 2.24 2.89 3.03 3.13		2.04 4.55 4.89 5.01 5.15		2.62 1.83 3.57 2.25 1.89		1.82 4.04 9.06 7.05 4.14		3.30 1.44 1.76 1.44		2.26 2.97 4.14 2.01 4.26		6.62 5.03 10.72 5.22 6.79		3:31 3:51 2:22 1:28		6.07 4.49 5.17 4.45 5.79		6.94 4.04 E 6.77 3.07 3.36		49.93 40.28 E71.87 E51.24 E43.85	
BUCHANAN BUCKINGHAM BUENA VISTA BURKES GARDEN BYLLESBY	3.55 2.59 2.41 9.27 3.54	•11 5•34	4.04 3.37 4.81 6.41 4.37	2.91	1.24 2.17 2.55 2.03 2.92	-2.59 -2.45	6.05 5.00 4.54 4.40 6.20	2.78	2.29 2.14 2.15 2.00 2.59	-2.05	3.51 2.78 3.10 5.80 3.81	1.67	1.46 1.44 1.50 2.24 3.09	-3.15 -2.72	1.99 2.51 1.20 1.88 1.02	-2.47	9.80 5.21 6.79 8.90 9.84	6.28 5.87	1.39 1.01 1.52 1.61 1.76	-1.91 70	3.81 4.85 3.60 5.17 4.44	. 56 2 . 21	9.58 9.58 3.18 4.41 3.15	1.04	E42.20 36.65 37.35 54.12 46.73	9474
CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	4.01 4.43 2.55 2.43 2.54		4.18 5.99 3.60 3.98 3.93	3•40 1•34	3.51 2.40 2.90 2.36 2.11	-1.22 -1.62	2:31 5:26 2:81 4:63 4:84	2.00 .92	1.58 1.68 1.23 3.33 3.32	- •70	5.66 4.32 2.70 3.45 3.35	.09 68	3.62 2.19 3.95 2.32 1.78	-2.58 -3.23	5.60 1.87 6.43 1.35	-3.50	7.10 10.75 8.32 7.15 6.66	7:44 3:04	5.60 2.22 1.24 3.60 3.71	- •82 •31	4.11 3.26 5.29 4.07 4.09	.60 .94	4.84 2.57 3.68 3.96 3.86	47 .39	\$2.12 46.94 44.80 42.65 41.52	4135 - 3184
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S CLARENDON LYON PARK	3.76 2.96 3.20 8.93 2.98	- •69 - •36	5.09 4.40 5.31 6.60 2.38	1.52	2.27 2.75 6.07 2.81 2.75	-1.07 87	3.21 4.75 3.13 4.38 3.21	1.30	2.60 2.34 1.37 6.28 1.93	-1.41 -2.63	5.15 5.49 2.91 3.07 4.29	1.63	2.04 .95 2.29 1.90 .85	-3,67 -3,21	5.44 3.86 5.16 2.59 2.08		5.96 8.28 6.25 6.14 4.07	4.24	1.35 1.58 5.74 1.79 2.60		5:26 7:49 5:03 4:89 3:35	4.53 .23	4.57 3.06 4.11 4.27 6.27	- ,23 3,40	47: 70 47: 91 50: 57 53: 65 36: 77	4.32
CLARKSVILLE CLEVELAND CLIFTON FORGE CLINCHCO CLINCHPORT	8 • 24 8 • 24 E 3 • 24 7 • 36 9 • 99	•21 •11	4.84 6.08 4.32 5.38 6.22	1.59	2.38 2.47 2.33 2.84 2.34	-1.64 -1.60	3.35 5.01 4.93 4.62 4.44		3.90 2.76 4.27 3.00 2.24	•29	5.42 3.83 3.69 3.89 6.72	2.12 16	1.50 1.40 .96 3.50 1.31	-3,39 -3,00	5.46 2.40 1.19 2.96 4.03	-3.33	3:94 6:63 8:80 4:95 5:35	.03 5.71	1.34 1.30 2.08 1.51 1.78	- 174	7.75 4.49 3.16 3.26 5.89	4.58 .32	4.26 4.44 3.10 3.76 5.61	1.26	640.28 40.05 642.07 47.05 56.12	1.24
COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL COVINGTON	2.58 3.10 1.28 E 3.96 3.05	88	3.54 3.81 2.87 7.68 3.61	1.03	1.90 2.21 1.39 2.98 2.15	-1.75	5.63 3.69 4.15 8.70 4.18	2.21	2.61 3.45 4.19 2.89 3.26		2.69 4.05 4.41 6.86 3.34	65	1.11 3.22 1.01 3.88 1.00	-3,64	3.02 2.96 .80 1.86 1.27		E 4.57 7:80 4:28 10:33 7:17	.91	3.73 1.30 2.95 2.74 1.60	. 84	3.81 6.14 1.93 4.97 2.01	1.05	4.53 2.78 2.64 3.56 2.74	1.59	839.72 44.53 31.90 560.43 35.88	- 1.91
CROZET 2 M CULPEPER DAHLGREN PROV GROUNDS DALE ENTERPRISE DAMASCUS	1.53 2.37 3.11 1.63 9.55	- #26 - #62 5#66	4.75 4.24 3.75 2.83 7.69	1.87 1.46 .99 3.99	2.02 2.35 3.32 1.18 2.47	-1.07 .19 -1.83 -1.91	4.80 3.40 2.13 4.88 7.19	-1.03	1.99 3.19 .38 3.32 3.65	-1.08 -2.97 67 64		-1:01 1:74 :61 2:43	1.21 .82 .51 1.71 3.44	-3.95 -4.09 -2.88 -2.62	1.86 4.10 .23 3.02	-4.16	2:34 4:45	1.41	3.28 3.54 4.36 2.90 1.86	.21	2.53 3.29 3.43 2.22 4.66	1.02 05 1.91	3.67 4.20 6.71 2.64 5.53	1.26 3.90 429 2.34	32.53 62.04	- 5.22 13 - 4.27 16.91
DANTE DANVILLE DANVILLE CAA AP DARWIN DAVENPORT 2 NE	9.58 2.96 3.58 6.87	5.50 72	5.82 4.65 4.43 - 5.02	2.31 1.71	2:73 3:06 2:33 1:93 2:66	-1.98 - 488	4.96 4.29 4.34 3.03	1.06	2.47 1.96 1.64 1.54	-1.88	5.53 4.65 5.68	190	•93 •70 •84	-5+15 -3-90	2.11 4.69 4.05	52	5.32 7.59 8.66	2.49 3.61	1.61	-1:13	5.72 5.27	1.79 2.79	5.08 2.92 3.08	32	45.47 45.65	1.60
DEERFIELD 1 S DIAMOND SPRINGS DRIVER 4 NE DUNDAR DUNGANNON	3.34 3.72 E 3.60 6.45 8.02	.oo	3.56 5.39 5.75 5.04 7.13	2.10	2:44 5:87 4:41 2:29 2:49	2 • 06	5.95 2.40 3.38 4.93 4.45	- •96	2.02 2.34 1.66 4.39	-1.58	2.49 8.93 3.02	- •09	2.50 1.99 2.90 3.34 2.62	-4.26	6.29 5.50 2.37 2.66	- ,29	5.74 6.11 5.81	3.25	2.97 3.49 5.14 1.43 1.52		2.84 5.36 4.05 5.27 5.18	1.89	4.05 4.66 4.41 5.77 5.84	1.76	45.36 52.39 E40.65 55.50 52.63	4.78
ELKWOOD & SE EMPORIA 1 WHW EPISCOPAL HIGH SCHOOL FAIRFAX FALLS CHURCH	2.74 2.93 2.80 2.44 E 3.17	1	3.93 4.95 E 2.79 2.45 2.75	1.78	2.33 3.02 3.41 1.85 2.50		3.77 2.37 2.13 3.58 3.42		2.63 3.26 1.37 1.72 1.71	74	3+14 1+43 1+84 2+29	-2.85	2:10 2:10 51	-4.07	3.18 3.59 1.34 1.51	-1,57	4.02		2:46 3:17		4:08 4:24 3:70 3:07	1.71	5+36 6+59	4,25	98.91 41.49 32.86 E96.74	- 3,44
FARMVILLE FLOYD 2 FORT LEE FREDERICKSBURG	3.03 3.14 3.84 4.07 2.46		4.78 9.83 E 6.63 5.64 3.74	1.55	2.40 1.57 2.40 4.03 2.61	-1.71	2.68 7.68 6.97 3.26 1.69	89		-2.31	1	1.09	2.76 5.16 .74		5.33 1.46 1.71 6.09	1.70	12.31 11.92 4.16 2.95		1.14 2.31 2.25 4.77 4.44		5:04 4:76 4:44 5:61 4:38	2.93	4.03 3.94 7.07	3.31	1 1	.52
FREE UNION GALAX GALEN LYN GORDONSVILLE CAA AP GOSHEN	1 - 81 2 - 79 6 - 27 3 - 25 2 - 54	3.36	3.59 5.10	1442	1.87 2.22	-1.45	4:31 7:63 3:55 4:11 5:13	•79	2.08 1.46 1.99 2.63 4.09	-1.43	3+69		1.21 3.62 4.65 1.61 1.51	.22	1.24 1.77 1.27 1.27	-2.30	6.83 7.81		, 1.70	- +54	3.29 3.45 4.06 2.06		4+57 3+27	. 00	41.82 30.26	7.44
GROSECLOSE GROVETON HALIFAX 1 N HALIFAX 5 ENE HAYSI	7.07 2.31 3.23 3.36	- •25	7.21 2.62 4.46 4.29	1.59	2.91 2.24 3.68 3.92	24	5.04 2.20 5.18 4.00	1.76	3.12 .83 1.63 1.64 3.17	-2.33	5.45	1.19	4.35	-1.61	7.02 7.02	2.50	6.42	1.44	1:31	-1.56	5.41 5.41	2.72	3:41		25-34 40-76 51-27	5.44
HERNOON HIGH KNOB HIGHSVILLE 1 NW HORLAND 1 E HOLSTON	7.93 7.93 3.28 3.50 8.00		1:95 6:77 4:49 5:43 7:64		1.02 1.85 2.25 4.47 2.90		2.67 3.70 6.01 1.87 3.40		2.73 4.22 2.09 2.77 1.63		2:45 5:74 5:97 3:42 6:45		2.94 6.43 2.27 3.63		1.31 2.33 2.85 5.33 3.10	2	3.72 6.54 10.89 4.21 6.30		3.05 1.93 1.93 4.53 .85		2.50 5.80 5.40 6.13 4.91		5.75 3.63 3.23 5.22		30+81 95+50 55+4L 40+25 54+03	
HOMAKER HOMAKER 4 NW HOPEWELL HOT SPRINGS HUDDLESTON	8.44 7.90 3.29 3.63 2.61	•06	5.22 5.52 5.34 4.77 4.63	2.87 2.06	1,53	•51 -1•66	5.13 5.70	-1.27 2.14	2.68 2.68 3.32 2.73 1.63	00 92	3.13	23 2.26	2.33	-2.54 -1.16	2:4: 2:2: 4:6: 2:1: 2:9:	22 -2.66	5.45 6.72	1.76	1.30 1.30 4.90 2.01 1.71	2.30			4.19 4.19 7.19 3.62 2.72	. 66	E47-47 40-95 52-21 43-85 E39-61	9.71 2.29
I NDEPENDENCE I NDEPENDENCE 2 JEWELL RIDGE JOHN H KERR DAM JONESVILLE 2 SSE	4.05 3.75 8.96 2.76 9.94		4.17 5.25 5.99 5.88 5.99		3.03 2.77 3.43 2.63 2.31		5.12 5.99 3.92 2.14 5.79		1.68 2.43 1.10 3.11 2.03		4.54 6.11 4.23 2.11 5.73		3:69 4:33 5:58 3:25 1:94		1:90 1:71 1:60 4:71 3:10	5	9+84 8+77 9+34 4+37 6+74		1.66 2.12 1.51 1.51		4.79 3:46 4:32 6:29		4.13 4.52 5.82 6.24		51.77 54.07 42.68 57.19	
KERRS CREEK LAFAYETTE 1 NE LAMGLEY AIR FORCE BASE LAWRENCEVILLE LEXINGTON	2.71 4.66 3.96 4.83 3.28	.78	5.21 5.00 4.39 6.19 3.92	1.48	3.17 1.68 5.24 2.55 1.71		2.73	•02	3.74 1.90 1.36 3.80 4.92	-2.17	1.72	1	2.10 3.99 1.66 .95 2.16		2.04 1.1 6.16 2.8 1.26	7 5 1.11 2	5+25	.51	2.96 2.96 1.86 1.96	.53	2.79 3.48 4.86 6.99 3.46	2.01	7.55	1+54	46.83	3.44 ,59

TABLE 2 - CONTINUED	1	ıOı	AL	PKE	CIP	IIA	IIO	IN A	עמי	בע	PAJ	1101	UES	rn	JM L	ıOı	NG-	-115	UTAT	IVI C.	MINS	<u> </u>			V11	1957
	JAAL	JARY	FEBRL	JARY	MAI	сн	API	n.	M	AY	'n	NE	טנ	נץ ָ	AUGUST		SEPTE	M8ER	осто	DBFR	NOVE	MBER	DECEM	ABER	ANN	UAL
STATION	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
LINCOLN LOWISA LOVES MILL LURAY 5 E LYNCHBURG MADISON MTS	2.80 3.05 8.67 2.11 3.35	- 431	3.08 4.44 7.47 2.89 4.66	.49	2.10 2.03 2.29 1.67 2.46	-1.64	3.65 4.86 4.87 2.72 5.35	•07	2.82 2.26 4.53 2.61 2.47		3.87 4.76 5.74 3.14 3.57	. 33	1:33 4:52 1:40 1:40	-3.13	1:66 -1 3:34 2:97 :67 1:76	3.23	4.95 4.64 5.56 4.45 7.72	1,94	3.49 4.43 1.78 4.78 1.76	•00	3.12 4.51 4.70 2.00 3.96	•10	5.93 5.13 4.37 4.15 3.29	2.82	E38.32 44.78 57.45 32.65 41.77	
LYNCHBURG WB AIRPORT MANASEAS MARION MARTINSVILLE FILT PL MATHEWS 1 SSW	2.55 8.81 2.88 3.39	. 156	4+81 2:91 7:49 4:65 5:31	1.83	1.11 2.10 2.20 2.10 5.73	-2.46	3.77 3.38 4.49 7.17 2.80	.64	1.36 1.72 1.89 4.75 1.73	-1.73	5.30 3.36 4.42 5.40 5.81	1,42	2.05 3.71 3.65 1.67	-2.10	2:40 -1 2:09 2:97 3:18 10:60	1.95	7.48 5.12 5.19 13.10 3.08	4.38	1.93 3.54 1.49 2.25 7.71	- •94	4.36 3.24 4.50 7.47 5.77	1.99	3.09 5.00 4.04 3.12 5.55	06	41.15 39.72 51.32 57.74 E58.20	1.58
MEADOWS OF DAN 5 SW MENDOTA MONS MONTEBELAG 3 NE MONTEREY	5.43 8.92 1 4.26 3.16 3.75	4.62	5.58 6.35 6.43 6.45 3.23	2+64	2 : 67 2 : 67 2 : 16 2 : 45 : 81	-2.02	8.25 4.41 6.91 11.41 4.39	. 89	4.62 1.77 2.74 4.19 1.36	-2-13	9:96 5:10 6:71 4:52 8:49	1.50	2.42 1.54 3.10 3.25 2.66	-3.99	1.90 5.36 2.45 2.15 .86	1.03	13.95 7.06 8.15 6.76 4.55	4.35	5.12 1.81 4.30 1.79 3.47		7.69 5.40 E 3.94 5.95	2 4 58	4.63 5.18 3.07 4.18 4.08	1.72	E71.82 55.57 E54.32 56.26 38.56	10.54
MOORES CREEK DAM HOUSET WEATHER HASSAMADOX NATURAL BRIDGE STATION NEW-CANTON	3.05 E 1.84 E 3.00 3.59 3.03	- 485 - 482	E 5.89 2.47 4.33 5.19 3.89	•21	1.30 2.55 7.94 2.10 1.68	64 -2.25	5.21 3.10 2.31 5.34 4.52	- •22 •88	3.24 3.86 1.37 1.92 1.92	40 -1.88	2:47 4:69 5:19 2:83 4:06	1.18	1.62 2.58 2.93 1.66 1.47	93 -3.25	7:55 1:08	2•77 2•43	6.20 4.77 7.07 8.33 5.00	.91 1.60	1.87 4.69 5.60 1.94 2.73		3:43 3:69 5:57 4:01 4:68	•74 1•69	3.86 5.32 6.18 3.11 4.29	2.70	E40.05 E41.46 E60.04 41.10 39.41	- 3.81
NEW CASTLE NEWPORT 2 NW NEWPORT NEWS NORFOLK WB AIRPORT NORFOLK	3.02 5.42 4.12 4.11 3.78	.94	4:33 6:68 4:67 4:74 4:36	1.68	2:07 2:26 4:54 4:06 3:92	. 79	4.87 3.82 4.47 1.86 2.38	-1.30	1.93 2.60 1.37 1.94 1.93	-1.51	4.74 3.49 3.32 3.96 3.19	- •60	2.47 .91 2.47 2.18 2.23	.	2:10 :56 6:53 5:96 4:61	. 88	11.35 14.59 5.90 7.18 5.14	3,32	1.86 1.75 2.94 3.44 2.42	.99	3.15 E 3.76 5.44 4.81 4.29	2.14	2 • 26 3 • 25 5 • 02 4 • 53 3 • 62	1.65	44.75 E49.09 50.79 48.37 41.82	5•11
NORTH BRISTAL SUBSTA NORTH RIVER DAM OLINGER PAINTER PALMYRA 1 E	8.90 2.71 10.44 3.34	08	7.54 3.07 6.70 4.00	•80	2.67 1.85 2.37 6.09	-1.55	4.76 5.10 3.88 2.55	1.96	1.67 3.27 3.04 1.47 1.85	- •60	7.23 5.16 5.69 4.30 4.40	• 88	1.69 2.35 83	-3.66	2.93 1.52 -2 3.70 8.26 2.64	3.39	5.45 6.96 6.74 4.25 4.13	3.54	1.29 3.09 1.39 7.29 3.08		4.68 2.66 6.69 5.59 3.98	- •28	4.96 3.29 6.45 6.08 3.66	• 56	53.52 40.37 59.44 54.03	- 1.80
PARTLON 3 WNW PEDLAR DAM PENNINGTON GAP 1 W PMILPOT DAM 2 PIEDMONT FIELD STATION	2.60 2.17 9.86 2.90 1.93	4449	3:65 5:33 6:31 4:75 3:51	1.63	2.95 2.96 2.61 2.98 1.92	-2.97	2.80 6.48 5.26 6.14 4.11	1.52	1.80 3.56 2.47 2.12 1.12	-1.40	3.40 5.65 6.05 3.96 4.59	1.88	1.98 2.28 3.75 1.10	-3,27	3.85 1.03 3.24 - 3.71 1.28	. 93	4.25 7.02 7.56 16.20 4.57	5.03	5.30 3.07 E 1.53 3.38 4.85	86	3.60 4.25 E 5.30 6.54 3.80	1.99	6.20 3.62 E 5.81 2.76 4.01	1.49	E40.18 E47.12 E58.38 59.19 36.79	8.60
PIŁOT POWNATAN 5 SW PUŁASKI PUŁASKI CAA AP QUANTICO 1 S	E 4.14 E 2.98 5.25 5.91 3.19	04	4:89 4:55 5:28 5:52 4:46	2.27	2.12 2.45 3.53 2.05 2.49	66	4.71 2.50 5.65 5.21 1.79	-1.20	1.35 2.67 1.68 2.72	-3.22	5.87 3.55 5.22 5.45 3.52	• 34	1.88 1.55 4.36 5.04 1.09		1:80 4:85  2:13 4:83	.09	9.80 4.08 8.53 2.90	- ,25	2.45 3.07 1.71 4.26	1.37	4:06 4:98 	• 96	3.61 5.22 3.31 5.13	2.39	E46.68 E42.45 - 52.25 37.78	- 1.31
RADFORD CLAYTOR DAM RANDOLPH RAPIDAN Richmond WB AP Riverton	4.62 3.33 2.24 3.36	1.59 50 28 79	4.54 4.29 8.84 5.29 2.49	2.09 1.37 2.53	2.31 3.24 2.21 2.82 1.83	-1.10 75 60 -1.04	5.35 3.36 4.14 2.25 2.41	2:69 - :40 - :98 - :44	2.29 1.75 1.44 2.75 1.57	-1.20 -2.47 89 -2.29	2.49 4.30 3.41 3.92 5.41		1.29	-3.06	7.70 89 7.46	1.53 2.88 2.41 3.23	7.91 10.87 4.24 3.43 3.69	5.48 6.55 22 .76	1.40 1.13 4.63 5.35 3.73	-1.71	3.79 5.12 3.85 5.30 1.77	1.59 1.70 2.81 75	2.76 3.94 4.51 6.88 3.65	3.99 1.22	42.79 50.73 36.69 50.61 30.11	6.84 5.00 7.72 - 4.93
ROANOKE ROANOKE WB AIRPORT ROCKFISH ROCKY KNOB ROCKYMOUNT	3.78 3.74 2.90 3.87 E 3.19	.50 .35 16	5.83 5.31 4.06 4.10 4.77	3.26 2.75 2.03	2.56	-2:28 -1:71 - :66	5.46 4.55 6.54 E 6.45 5.84	2:48 1:60 2:59	4.02 2.23 6.72 3.39 2.40	19 -1.39	8.84 5.39 3.80 2.95 5.05	4.74 1.65	1:40 1:13 1:12 2:90 2:54		1:20 -1 1:91 1:67	3.41 3.34 2.10	8.98 7.06 7.57 10.61 12.69	5.73 3.67 8.98	3.41 2.37 2.23 3.72 1.93		3.45 E 6.04	1.24 .58	2.39 2.46 3.83 4.87 3.09	84 67	51.37 40.27 46.69 E52.57 E51.13	7.98 - 1.31 7.83
ROSE HILL SALTVILLE SALTVILLE 1 N SMITHFIELD 3 NE SOMERSET	7.10 9.17 9.42 E 4.14 1.71	5.56	4:60 7:05 6:98 4:67 3:73	3.48	2.40 2.63 2.47 5.47 1.38	-1491	4.80 4.46 5.48 1.91 4.68	2.51	2.10 1.84 2.42 2.02 1.48	-1.81	8.85 4.11 4.72 1.59 4.35	<b>4</b> B9	1:15 2:95 3:19 3:36	-1.67	2:34 2:42 -1 7:69 1:68	1.91	7.89 8.44 3.17 4.79	5.70	1.17 1.41 3.32 5.08	- •87	6.05 3.90 4.26 6.50 2.42	1.77	7.82 5.33 6.06 4.52 4.90	2.90	62.12 52.84 57.29 E48.36 36.70	14=64
SPEEDWELL SPRING CREEK 2 STACY STAFFORDSVILLE STATE FARM	3.85 8.96 7.14 5.04 2.49		5.60 5.47 5.24 4.46 4.78		1.82 3.00 2.98 2.25 2.61		4.67 6.89 2.94 4.91 3.34		3.48 2.61 1.48 1.17 1.60		6.65 5.88 4.62 4.66 3.81		4.35 3.12 3.23 1.69 1.18		.95 2.16 1.56 1.70 4.04		9.06 8.12 4.41 9.71 4.99		.60 1.46 1.70 1.53 4.71		E 4:74 3:97 3:46 3:63 4:10		3.03 4.64 4.11 3.52 6.37		56.30 42.87 44.27 44.02	
STAUNTON D AND B INST STUART STUARTS DRAFT SUFFOLK LAKE KILBY	2.05 3.89 1.73 4.77	- •76	3.12 4.96 3.41 5.22	1.17	1.85 2.30 1.64 3.79	-1.38	4.89 5.76 4.83 2.50	2.08	3.65 3.94 3.02 2.89	14	6.41 11.09 3.81 2.98	2.61	1.40 4.29 2.58 2.13	-2.73	5.75 1.42 -2 1.87 1.91 5.68	2.55	9.80 6.46 14.03 5.45 4.94	3.35	1.70 2.66 4.30 2.13 3.64		E 2.94 7.16 2.96 6.82	•39	2.49 3.49 2.80 4.45	- •30	E39.34 67.08 36.27 49.81	1.61
SUNNYBANK SUSSEX SWORDS CREEK TANGIER ISLAND TAZENELL	2.89 2.74 8.59 3.78 9.00		4:51 E 3:63 5:77 E 3:66 6:42		3.87 4.12 2.47 4.34 2.92		2.37 1.82 4.09 1.84 3.71		1:31 2:25 2:92 1:78 1:95		3.55 2.61 5.90 2.30 7.54		2.65 .77 2.52 2.10 2.90		5.69 5.06 1.42 6.98 2.05		2.55 3.36 7.70 3.10 8.91		5.16 4.93 1.15 5.93 1.71		6 4 2 5 6 2 4 3 9 2 4 4 5 3 6 6		6.35 5.47 3.98 3.17 5.06		E46.16 E43.02 50.43 E43.43 55.83	
THE PLAINS 2 SE TIMBERVILLE 2 N TROUT DALE TYE RIVER 1 SE URBANNA	2.25 1.52 8.23 3.26 2.97	- •77	2:69 3:15 7:45 4:51 4:44	1.18	2.69 1.64 3.07 1.92 4.44	-1,44	3.27 3.28 6.97 6.99 2.14	.65	1:86 4:12 2:76 2:74 6:12	<b>.</b> 37	2.69 3.84 8.50 4.10 3.61		1.23 1.17 3.63 1.50 1.88	-3.08	3.11 .33 2.02 7.09	3.76	4.67 4.48 9.45 4.03	1.12	4.58 3.50 2.26 - 5.54		3.11 1.38 5.82 	- •96	5.94 2.50 4.62 5.92	` • 23	37.79 30.91 64.78 52.72	- 5.38
VIENNA DUNN LORING WALKERTON WALLACE WALLACETON LK DRUMMOND WARRENTON 5 NE	2.95 2.97 9.65 3.44 2.63	- •22	2.91 4.02 6.88 5.32 3.07	1.80	2.45 3.30 2.48 3.66 1.75	- •31	3.56 2.21 4.77 2.91 3.48	- +86	2:40 2:48 3:02 1:40	99	2.93 3.04 5.39 1.33 2.87	-3.23	.61 1.45 .99 2.51 1.03	-4.59	2.15 7.57 4.32 5.83 -	•21	6.21 4.12 6.48 6.54 5.14	2.24	3.21 5.79 1.02 4.27 3.47		3.11 3.89 4.77 6.80 2.91	3,23	5.86 6.27 5.08 5.49 5.78	2.26	38.25 47.03 55.31 51.12 34.26	•75
WARSAW 2 N WASHIMSTOM WASHIMSTON WE MAT AP WATERFORD WAVERLY	3.23 2.14 2.61 2.33 5.41	63	3.41 2.73 2.75 3.20 4.70	•31	3.70 1.69 2.23 1.72 5.31	80	2.60 4.06 2.73 3.54 2.77	- •33	1:96 3:06 1:40 3:82 1:92	-2.56	4.68 4.51 3.02 3.00 3.54	39	1.16 1.29 1.05 1.23 1.72	-3•21	5.24 1.01 2.44 ~2 2.01 2.93	2.31	3.22 3.82 3.57 3.46 3.83	- •55	6.40 2.05 2.49 2.57 4.47	36	3.80 2.91 2.87 2.44 6.37	•14	5'+48 4+69 5+62 E 4+32	3.01	45.88 34.16 32.78 E33.64	- 7.70
WAVERLY MILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE	2.60 3.33 3.61 1.57 8.02	- •86	2.62 4.23 5.38 3.00 6.07	1.03	2.96 4.22 4.67 2.06 2.00	-1.17	3.41 2.19 2.40 4.41 4.17	1.90	1.83 5.35 4.04 1.98 1.79	-2.31	3.43 2.09 4.44 3.41 5.48	42	.50 2.66 1.19 3.07	-2•81	1.93 6.37 4.89 .53 -3	3.77	4.81 4.93 4.88 4.31 5.93	1.30	2.75 5.54 4.42 4.46 1.12		3.31 5.50 5.67 1.66 5.13	-1.16	6.66 6.61 5.69 3.15 5.23	•62	36.81 50.96 52.95 31.73 49.90	- 7 <u>.</u> 16
WOODSTOCK WOOLWINE 4 S WYTHEVILLE	1:58 4:24 5:13	- •76 2•31	2.27 5.11 6.21	•63 3•76	1.73 3.35 2.68	-1.23 71	3.58 7.61 4.31	•83 1•60	2:45 2:13 2:96	-1:46 66	5.29 9.45 4.31		2 • 62 3 • 93 4 • 62	-1.08	1.92	3.88 2.19	3.35 16.64 6.66	•52 4•02	3:59 4:10 1:40		1.39 6.92 3.95	95 1.68	2.78 4.01 .2.77	•48 •18	31.26 69.51 47.13	- 4.78 11.01
DIVISIONAL AVERAGES				,		الم ال	3.3		2	-1	3.74	ار							4.00	9.14	[ ]		8,44	2.76	45.91	6.59
TIBENATER EASTERN PIEDMONT WESTERN PIEDMONT RORTHERN CENTRAL MOUNTAIN	3.11	- 45 - 47 - 07	4.68 4.61 3.96	1.85 1.95 1.73 .80 1.91	2.36 2.51 2.19 1.76	- 1	5 • 03 3 • 43 5 • 05	82 19 1.49 .15 2.05	2.61 2.29 3.02		3.73 3.59 5.06 3.53 5.36	10 .79 16 1.38	2.35 1.46 1.82	-3.24 -3.23 -2.64 -2.73 -2.53	3.24 -1 1.57 -3 1.28 -3	3.33	4.76 5.10 9.22 4.51 6.87	1.56 5.47 1.14 3.65	2.55 3.79 2.51	•70 •46 •49 •45	4.86 5.33 2.96 2.92	2.20 1.87 2.33 .01	5.46 5.71 3.26 5.05 2.90	2.71 13 2.26 02	45.40 48.90 36.31 40.94	2.21 3.63 - 5.08 .22
SOUTHWESTERN MOUNTAIN	7.09	3 . 37	5.95	2,64	2.29	-1,95	5:06	1.54	2,70	-1.24	5.38	1.32	2.99	-2.09	2.12 -2	2.28	8.14	5.31	1.87	- •54	4.64	2.00	4.29	•74	52.52	9+12

Table 3				CTATE:	LILE	7.1	0111	_	CVII	115141	بند	AI	עוי	rn.	ر خار	. خلاکت	ואט									7170	1957
							Las	t spr	ring minin	num of					_	First	fall min	imur	of					Num betw			3
Station	#				l6° d		20° o belov	w	24° or below	28° belo		32° d		32° or below		28° or below	24° belo		20° belo		le o		below	below	below	below	below
	Highe	Date	Lower	Date	Date	Temp.	Date	Temp	Date	Date	Тешр	Date	Тешр.	Date	Temp	Date	Date	Temp	Date	Temp	Date	Тетр	16° or	20° or	24° or	28° or	32° or
ALEXANDRIA POTOMAC YDS ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS BEDFORD	102 102 103 98 96		6 - 7 17 7 7	1-18 1-18 1-18+ 1-18 12-12	- 1-20 None 2-20 1-20	16	1-20 2-18 1-19 2-21 2-21	18 20 18	2-20 23 3-11 24 1-19 20 2-22 23 2-22 23	4-15 0 1-19 3 3-31	28 20 1 28	4-16 2-22 4-16	30 31 30	10-13 3 12- 6 3 10-21 3	30 31 30	11-12 24 10-29 27 12-12 17 11- 7 27	11-11 12-12 11-11	19 17 19	11-11 12-12 11-11	19 17 19	12-12 None 12-12	10	326 295	266 327 263	245 327 262	197 327 221	208 180 287 188 180
BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTONE CAA AIRPORT BOWLING GREEN	100 86 92 98 102	7-21+ 7-22 8-31+ 7-23 7-21	- 8 - 5 2 8 1		3- 4 3- 5 2-21 1-19 1-19	15 15 14	3-31 4-15 2-22 1-19 2-20	18 19 14	4-15 23 4-15 18 4-15 23 2-21 24 2-22 23	5- 4 3-15 1 3-16	27 5 23 28	5- 5 4-16 4-15	32	9-28 3 10-13 2 10-27 3	31 26 32	10-12 26 10-12 26 10-13 26 10-28 26 11-11 26	10-26 10-29 11-11	23 24 24	10-28 11-11 12-11	20 14 17	11-10 11-11 12-12	15 14 10	250 263 327	196 262 326	194 197 263	181 232	146 180 195
BOYKINS BRISTOL BUCHANAN BURKES GARDEN CAPE HENRY WB CITY	101 94 100 84 100	7-23 7-17+ 7-21+ 6-16+ 7-22	9 4 5 0 16	1-17	1-19 1-19 1-20 4-15 1-18	11 16 16	1-20 2-20 2-21 4-15 1-18	18 16	2-22 24 3-21 23 2-22 23 4-15 16 1-18 16	4-15 4-15 5 5- 7	28 5 25 7 26	4-16 5- 8	28 29 30	10-20 2 10-20 3 10- 9 3	29 32 32	10-29 26 10-29 26 11- 7 27 10-13 26 12-11 26	11-10 11-11 10-14	23 16 23	11-11 11-11 10-21	20 16 20	12-11 11-11 12- 1	10 16	326 295 230	264 263	234 262 182	197 206 159	187 154
CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY	94 98 99 99	7-22 7-14 7-23 7-22+ 7-23+	3 5 8 1 6	12-12 1-18 1-18 1-18 1-18 1-18	1-19 1-20 1-19 1-20 1-19	15 15	2-21 1-20 2-20 1-20 1-19	14 20 15	3- 4 22 2-22 23 3- 5 24 3- 4 24 2-21 24	3-11 3- 5 4-16	27 5 24 3 27	4-14 4-15 4-16	31 31 27	10-13 3 10-28 3 10-13 3	30	10-28 26 10-28 25 11-11 27 11-10 28 11-10 28	11-11 12- 1 11-12	17 24 18	11-11 12-12 11-11	17 9 20	12-12 12-12 12-12	10 10 10	326 327 326 327	295 295 327	262 271 253 264	231 251 208 245	182 196 180 196
CHATHAM 2 NE CHERITON CHILLOWIE 1 S COLUMBIA CROZET 2 N	98 98 91 100 100	7-21+	7 10 0 - 4 6		1-19 1-19 2-20 1-20 1-20	10 16 9	2-22 1-19 4-15 2-22 2-12	10 19 20	2-22 20 1-24 24 4-15 19 2-23 23 3- 4 23	2-22 5- 7 3 4-16 3 3- 5	2 25 7 28 5 27	3-11 5- 8 4-16 4-16	32 32 27 31	11-12 10-14 10-13 10-27	26 29 28 30	10-28 27 11-12 26 10-20 24 10-13 26 10-28 26	12-12 10-20 11-11 11-11	16 24 17 20	12-12 10-29 11-11 11-11	16 20 17 20	12-12 11-10 11-12 12-12	16 16 15 12	327 263 296 326	197 262 272	322 188 261 252	263 166 180 237	246 159 180 194
CULPEPER DAHLGREN PROV GROUND DALE ENTERPRISE DANTE DANVILLE	100 98 97 94 100	7-22+ 7-21 6-18+ 7-14	7	1-19 1-17+ 1-17 12-12 1-18	1-20 1-19 2-21 2-21 1-19	7 15 15 11	1-19 4-15 3-21 1-20	7 20 20 19	3- 4 21 2-21 24 4-15 20 3-21 20 2-22 21	3- 4 5- 5 3- 4- 9 3-29	28 28 28 28 28	5- 5 4-14 4-16	28 32 29	10-12 3 10-22 3 10-28 3	30 32 30	10-13   28 11-11   28 10-13   28 10-28   25 11-11   25	11-7 11-10 11-11	18 22	11-11 11-10 12-12	15 18 10	11-11 11-11 12-12	15 12 10	263 263 327	210 234 326	206 234 262	161 202 227	198 160 191 195
DANVILLE CAA AIRPORT DIAMOND SPRINGS ELEWOOD 6 SE EPISCOPAL HIGH SCHOOL FALLS CHURCH	98 100 102 100	7-22 - 7-20+	8 14 -10 -0	1-18	1-19 1-19 2-18 1-19 1-20	16 15 11 13	1-19 1-20 2-22 1-24 2-20	20 19 19 20	2-18 23 1-20 20 3- 5 24 2-20 21 3- 4 23	2-22 4-16 3- 3 3-31	2 28 5 27 5 26 1 27	3- 4 4-16 4-15 4-16	32 27 32 31	11-12 2 10-12 3 10-13 3	32 32	11-11 24 12- 6 28 10-13 28 11-11 26	12-12 11- 7 11-12	16 24 20	12-12 11-11 - 11-12	16 16 20	12-12 11-11 - 12- 6	16 16 15	327 266 320	326 262 - 265	326 247 253	287 180 - 225	179 180
FARMY ILLE FLOYD PORT LEE FREDERICESBURG GALAX	100 93 96 101 91	7-13+ 8-31 7-22+ 7-22+ 8-13	0	1-19 12-12	2-22 2-21 1-19 1-20 2-21	13 3 6 14	3- 4	20 19 18 19	3-31 23 4-15 24 2-22 23 2-23 23 4-15 23	4-15 2 3-11 3 4-15 2 4-15	24 1 28 5 27 5 22	5- 5 4-16 5- 5 5- 7	32 30 31 31	10-13 2 10-13 3 10-12 3 10-13 2	28 32 30 29	10-13 26 10-13 26 11-10 24 10-13 27 10-14 27	10-28 11-10 10-28 11- 7	24 24 22 22	11-11 11-11 11-10 11-11	14 20 19 12	11-11 12-11 11-12 11-11	14 16 14 12	263 326 296 263	246 295 263 252	196 261 247 206	181 244 181 182	161 180 160 159
GLEN LYN GORDONSYILLE CAA AIRPOHT HALIFAX 5 ENE HOLLAND 1 E HOPEWELL	96 100 99 98 97	7-12+ 7-24+ 7-22	-13 8 6 2	1-17 1-18 1-18 1-18 1-18	1-20 1-19	15 16 8	1-20 1-19	19 15 16 8	3- 4 21 4-15 24 2-22 23 2-22 22 2-18 21	4-16 3 3- 6 2 3-11 1 3- 2	25 28 28 28 228	5- 5 4-15 4-16 4-16	32 32 29 31	10-12 3 10-13 3 10-28 2 10-28 3	12 28 30	10-28 26 10-13 27 10-28 26 10-28 26 11-10 26	11-7 11-11 11-11 11-11	24 21 22 24	11-11 12-12 12-12 11-12	15 9 13 20	11-11 12-12 12-12 12-12	15 9 13 10	264 327 326 327	262 327 326 297	206 262 262 266	180 238 231 253	160 181 195 195
HOT SPRINGS JOHN H. KERR DAN LANGLEY AIR PORCE BASE LAWRENCEVILLE LEXINGTON	91 98 99 100 97	7-21	2 9 14 2 4	1-18+ 1-18 1-18	2-21 1-19 1-18 1-20 1-20	11 14 16 14	1-19 2-18 2-22	17 17 19 20	4-15 20 2-22 23 1-19 17 2-22 21 3- 4 21	3-11 7 2-22 1 4-16 1 4-16	27 27 3 27 3 28	4-16 2-23 4-16 4-16	32 31 27 28	10-13 11-10 10-13 10-13	32 32 32 30	10-28 27 11- 7 26 12-11 24 10-28 26 10-29 26	11-11 12-11 11-10 11-11	16 24 24 16	11-11 12-12 11-11 11-11	16 14 17 16	11-11 12-12 11-12 11-11	16 14 16 16	296 328 296 295	295 327 266 262	262 326 261	241 292 195 196	180 260 180 180
LINCOLN: LOUISA LURAY 5 E LYNCEBURG WB AIRPORT MANASSAS	100 100 99 97 100	7-22+ 7-30 7-22 7-21+	- 5 - 5 - 4	1-18 1-18 1-17+ 1-18+ 1-18	2-12 2-20 3- 4 1-18 1-20	16 13 8 13	3- 4 2-21 4-15 1-19 2-22	19 20 17 20	3- 5 2: 3- 4 2: 4-15 2: 2-21 2: 3- 5 2:	2 4-15 5- 5 1 3- 5 3 4-15	26 28 27 5 28	5- 4 5- 5 4-15 5- 4	32 28 32 32	10-12 3 9-28 3 10-28 3 10-13 3	31 30 29	11-10 28 10-13 27 10-13 27 11-10 28 11- 7 27	11-10 11-10 12- 1 11-11	24 23 23 23 21	11-11 11-11 12-11 11-12	18 17 14 17	12-12 12- 5 12-11 12- 6	10 10 14 14	295 276 327 320	263 210 326 263	251 209 283 251	181 161 250 206	146 196 162
MARTINSVILLE FILTER PL MATHEWS I SSW MONS MONTEREY MOUNT WEATHER	97 99 88 89 94	8-30 7-22 7-21+ 7-22+ 7-21+	- 3	1-18 1-18 12-12 1-17+ 1-17	2-22 1-20 2-15 3- 5 3- 4	15 16 12	2-22 2-18 2-21 3- 5 3- 4	20 18 12 16	4-15 25 2-22 21 3-10 25 4-15 25 3- 5 25 2-18 24	4-16 3 4-15 2 5- 5 2 4-15	5 28 5 25 5 25 5 26	4-16 4-15 5- 6 5- 4	28 25 29 30	10-28 10-27 9-25 10-26	30 26 30 27	10-14 27 11-10 26 10-27 26 10-12 23 10-26 27	11-12 12- 1 10-12 11-10	21 15 23 23	12-12 12- 1 11-10 12- 1	13 15 16 16	12-12 12- 1 11-10 12- 1	13 15 16 16	326 289 250 272	297 283 250 272	263 266 180 250	208 195 160 194	195 195 142 175
RASSAWADOX NEW CATTON NEWPORT NEWS NORFOLK WE AIRPORT NORFOLK PAINTER 2 W	98 98 99 99	7-22 7-22 6-18+ 7-22 7-22+	7 14 16 16	1-18+	1-19 2-21 1-18 1-18 1-18	15 14 16 16	2-22 1-19 1-19 1-18	17 18 18 16	1-20 2: 1-20 2: 1-19 2: 3- 4 24	4-16 3 3- 2 3 2-22 3 2-20	24 2 28 2 28 2 28 2 28	3- 4 2-20	32 28	11-11	32	11-12 22 10-13 27 12-11 25 12-11 25 12-12 16	12-11	16	12-12 12-12	16 16	12-12 12-12	16	328	327 328	325	292 295	252 288
PARTICW 3 WNW PERMINGTON GAP 1 W PERMINGTON DAM 2 PIEDMONT FIELD STATION POWHATAN 5 SW	101 92 95 100	7-22 6-18+ 7-15+	-16	1-18 - 12-12	2-20 2-18 1-19 2-20	15 16 15 16	2-22 3-21 1-20 2-21 2-22	17 18 18 19	4-16 24 4-15 25 2-23 25 3- 4 24 2-22 18	4-16 2 5- 6 2 4-15 4-16	24 28 27 3 28	5- 5 5- 7 4-16 4-16	31 31 29 28	10-13   2 10-13   3 10-21   3	32 31	10-13   25 11- 7   26 11- 7   26 10-13   26	10-28 - 11-12 11-12	21 23 18	11-10 - 11-11 11-11	17 20 20	11-11 12-12 12-12	6 10	327 295	261 295 263	195 262 253	180 206 205	161 180 188
PULASKI CAA AIRPORT QUANTICO 1 S RICHMOND WB AIRPORT ROANOKE	93 98 100 97	7-21+ 7-21+ 7-22 8-30	- 1 0	12-12 1-18 1-18 1-18	2-21 1-20 1-19 1-18	14 14 9 15	3- 4 1-20 1-19 1-20	19 14 9 20	4-15 23 2-22 24 2-20 24 2-22 23	3 4-15 4 3- 4 4 3-11 3 3- 4	23 26 28 28 25	5- 5 4-13 4-15 4-15	32 32 31 29	10-13 2 10-28 3 10-28 3 10-14 3	29 31 30 32	10-14   28 11-10   27 11-10   28 10-28   27	11-10 11-12 11-12 11-12	22 20 22 21	11-11 11-12 12-11 12-11	14 20 17 16	11-11 12-11 12-12 12-11	14 16 11 18	263 325 327 327	252 296 326 325	209 263 265 262	182 251 244 238	161 198 196 182
BOAROKE WE AIRPORT ROCKY KNOB ROCKYMOURT SALTVILLE 1 H STUNTON D AND B INST	98 87 93 95	7-21 7-8 - 8-15+ 7-22	3 - 2 5		1-18 2-20 2-22 2-21 2-20	15 15 16 16	2-21 2-22 2-22 3- 4	18 15 20 20	2-22 24 3-21 24 4-15 23 3- 5 24 3- 5 23	4-15 4-16 4-15 4-15	3 25 3 28 5 26 5 26	4-15 4-16 4-16 4-15	25 28 31 26	10-20 3 10-20 3 10-12 3	32	11-10 28 10-27 26 10-29 27 12- 1 27	10-28 11-11 12- 1	17 21	12- 1 11-11 12- 5	14 17 18	12-12 12-12 12-12	14 2 6	284 294 295	283 262 276	221 251 271	195 197 230	188 187 180
STUART SUFFOLK LAKE KILBY SUMMIBANK SUSSEX TANGIER ISLAND	93 98 96 102 94	7-23 7-21+	8 2 1 15	1-18 1-18 1-18	1-19 1-20 1-19 1-20 1-18	15 7 14 15	2-22 1-20 1-20 1-20 1-18	15 20 14 15	2-22 20 2-22 20 2-22 20 2-22 20 1-24 20	3-11 3-4 3-31 3-2-21	27 25 28 28	4-16 4-16 4-16 4-13	29 32 29 32	10-28 3 10-29 3 10-14 3 11-12 3	31 32 32	10-28 25 10-29 26 11-12 25 10-28 26 12-12 16	11-11 11-12 12-12 12-12	24 22 11 16	12-11 12-12 11-11 12-12	20 13 20 16	12-12 12-13 12-12 12-12	14 13 11 16	326 327 326 328	325 326 295 328	262 263 293 322	232 253 211 294	195 196 181 213
TIMERVILLE 2 N URBANNA WALKERTON WARRENTON 5 NE WARSAW 2 N	98 100 100 100 100	7-22 7-22 7-21+	0 7 - 3 0 1	1-18 1-18 1-18	2-20 1-19 1-20 1-25 1-19	13 12 16 5	4-15 1-19 2-22 3- 4 1-20	13 19 20 20	4-15 20 2-22 23 3-11 24 3- 5 23 3- 4 23	3 3- 4 4 3-31 3 4-15 3 3- 5	27 1 27 5 27 5 27	4-13 4-16 4-15 4-16	32 32 27 30	10-28 10-13 10-26 10-13	31 29 32 31	10-12 27 11-10 28 10-28 28 11-10 24 11- 7 28	11-12 11-10 11-10 11-12	22 23 24 18	12-12 11-11 12- 1 11-12	12 20 20 18	12-12 12-12 12-12 12-12	12 12 7 11	327 326 321 327	327 262 272 296	263 244 250 253	251 211 209 247	198 180 194 180
WASHINGTON WE NAT AP WAVERLY HILLS WEST POINT 2 SW	99 101 100 102 101	7-22+ 7-22	- 9 8 - 4 0	- 1-18	2-18 1-19 1-20 1-19 1-19	12 12 10	1-24	20 18 19	3-10 24 2-20 24 3- 4 24 2-22 22	1 3- 4 4-16 1 3- 5	1 28 5 27	3-11 4-16	32	11-11 3 10-14 3	30	10-13   26 11-12   26 10-28   24 11-11   26 11-10   26	12- 6	24	12-11	17	12-12 None	13	327	325 266	289	253 195	245 181

							La	st spi	ring mi	nim	am of						Fi	rst fa	ll mini	mum	of						ber o	
Station	#				16° o		20° d		24° belo		28° d		32° belo		32° d		28° o belo		24° d		20° d		l6° o		below	below	pelow	below
	Highes	Date	Lowest	Date	Date	Temp.	Date .	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Тетр.	Date	Тетр.	Date	Temp.	Date	Temp.	Date	Temp.	1 -	20° or	24° or	28° or
ILLIAMSBURG 2 N INCHESTER 2 SSW ISE 1 SE OODSTOCK	99 100 89	7-22+ 7-21 8-13+	1	1-18	1-20 1-24 2-21 2-20	15 12	3-4	19 19	2-22 3- 5 4-15 4-15	23 19	4-15 5- 6	27 27	4-16 5- 7	31 30	10-28 10-12 10-13 10-13	32 32	11- 7 10-20	27 23	11-12 10-20	19 23	11-12 11-10	19 16	12- 6 11-10	16 16	316 262	253 209	252 188	206 167

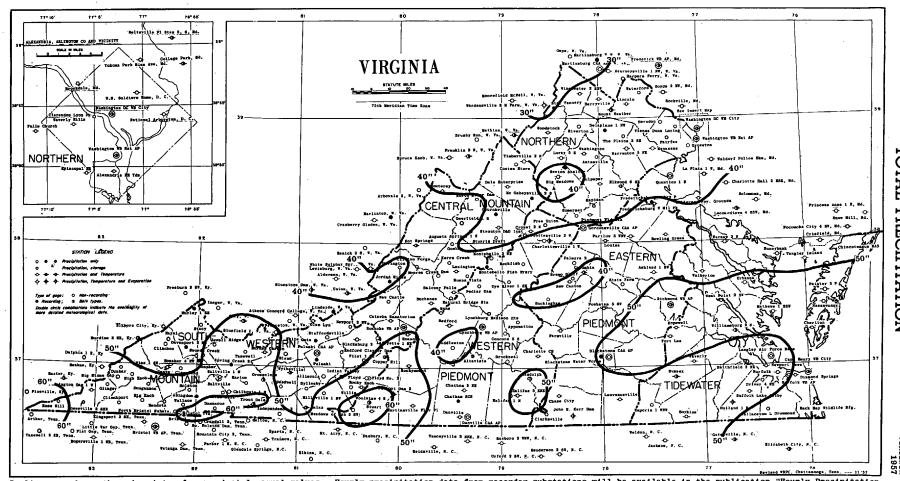
## TOTAL EVAPORATION AND WIND MOVEMENT

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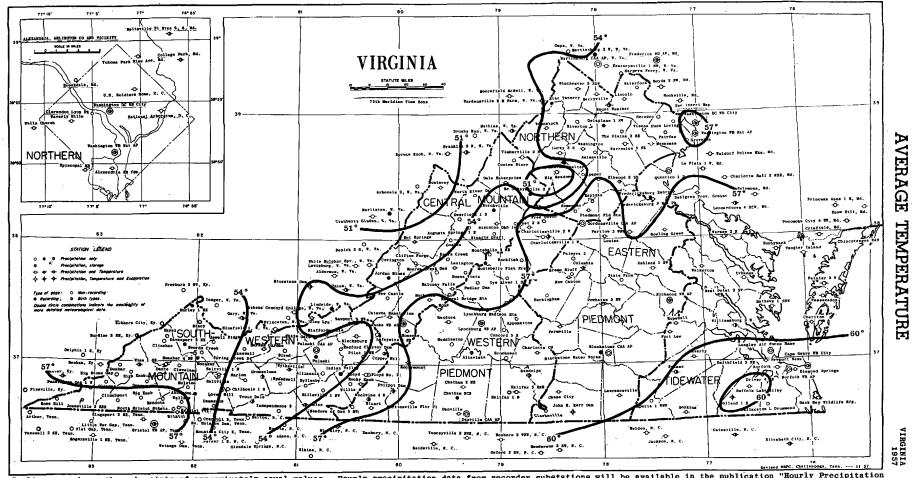
Station		Jan.	Feb.	Mar.	Apr.	May	June	Jul <del>y</del>	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CHARLOTTESVILLE 1 W	EVAP	, <b>-</b> ·	-	_	B5.77	6.66	6.40	8.80	B6.60	B3.89	B2.73	-	_	_
	DEP	-	-	-	- 1	-	-	-	_		- 1		i -	-
	WIND	-	-	-	B1036	307	268	275	179	189	306	-	-	-
	MAX	- '	-	-	74.4	86.0	90.8	93.0	89.2	83.9	67.5	-	l –	l -
	MIN	· -	-	-	50.9	60.2	70.0	66.2	67.2	65.7	47.6	-	-	-
OLLAND 1 E	RVAP	-	-	-	B6.76	7.73	7.55	9.36	B7.18	5.07	B3.21	2,16	-	_
	DEP	-	_	-	- 1	· <del></del>	-	-	-	_	-	_	- ·	l -
	WIND	-	-	-	B2449	1974	1179	1011	1252	1140	1666	1681	-	-
JOHN H. KERR DAM	EVAP	-	_	-	B5.76	6.34	7.19	8,29	B6.53	4.98	B2.58	_	<i>-:</i>	_
	DEP	-			1	-	- '	1 -	. <u>-</u>	-	-	-	l –	l <b>-</b>
	WIND	-	-	-	B1853	1415	1505	1424	1235	1322	B1095	-	-	-
PHILPOT DAM 2	EVAP	_	_	-	B5.14	6.00	B5.12	B6.90	B5.85	B4.09	B2.37	_	_	l <u>-</u>
	DEP	-	-	-	-	_		-				_	l _	l _
	WIND	-	_	l. <b>–</b>	748	288	296	200	96	185	87	_	_	! _

#### † CHANGES IN STATION NAMES

NEW HAME	OLD NAME	DATE		
PALMYRA 1' B PILOT 1 NE	PALMYRA 2 PILOT	October January	195 195	
	RELOCATION AND CHANGES IN EQUIPMENT			
COPPER HILL DANVILLE DAVENPORT 2 NE	Recording gage added All equipment moved 0.8 mile SE Changed from rain gage to recording gage	September March July	23,	1957 1957 1957
GALAX HAYSI	Recording gage added Changed from rain gage to recording gage	September July		1957 1957
HOPEWELL LEKINGTON LEKINGTON MEW CASTLE OLINGER	All equipment moved 120 feet NW Temperature equipment moved 35 feet ESE Rain gage moved 150 feet SSW Rain gage moved 40 feet NW All equipment moved 400 feet E	April July July January May	1, 1, 26,	1957 1957 1957 1957 1956
PALMYRA 1 R PALMYRA 1 R PILOT 1 NE POWNATAN 5 SW PULASKI	All equipment moved 1.2 miles NNE All equipment moved 1.0 mile SE All equipment moved 1.0 mile NE All equipment moved 0.7 mile ESE Changed from rain gage to recording gage	April June January December July	10, 28, 6,	1957 1957 1957 1957 1957
SUNNYBANK SWORDS CREEK TYE RIVER 1 SE WOOLWIRE 4 S	All equipment moved 0.5 mile RSE All equipment moved 700 feet SE All equipment moved 0.3 mile NE All equipment moved 15 feet W	January October September July	11, 18,	1957 1956 1957 1957



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data".

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Station	Index No.	County	Drainage ‡	Latitude	Longitude	Elevation	re	Precip.	or c	tuo Huo Huo Huo Huo Huo Huo Huo Huo Huo H	ď.	Refer to tables		Station	Index No.	County	Drainage ‡	Latitude	Longitude	Elevation		Precip.	or duri	ened closed ng yr	Refer
ABINGDON AFTON BOXWOOD GARDENS ALEXANDRIA POTOMAC YARDS ALLISONIA ATLAVISTA	0055 0097 0135	WASHINGTON NELSON PULASKI CAMPBELL	13	36. 56	82 00 78 50 77 03 80 45 79 18	2000 1250 20 1870 503	20	16 27 20 6 12		SEF	27 1	2 C 2 3 2 C		JEWELL RIDGE JOHN H. KERR DAM JONESVILLE 2 SSE JORDAN MINES KERRS CREEK	4414 4448 4452	TAZEWELL MECKLENBURG LEE ALLEGHANY ROCKBRIDGE	15 6 9	37 11 36 36 36 40 37 41 37 51	81 47 78 17 83 06 80 05 79 31	2750 323 1375 1350 1400	7	23 7 11		DEC	2 1 2 3 4 C 2 C
AMISSVILLE APPOMATTOX ASHLAND 1 SM AUGUSTA SPRINGS 1 E BACK BAY WILDLIFE RFG	0245 0327 0356	RAPPAHANNOCK APPOMATTOX HANOVER AUGUSTA PRINCESS ANNE	9	38 41 37 21 37 45 38 07 36 40	78 01 78 50 77 29 79 18 75 55	550 825 220 1820 5	45 5	14 19 45 5			- 1	2 2 2 3 2 2 3		LAFAYETTE 1 NE LANGLEY AIR FORCE BASE LAWRENCEVILLE LEXINGTON 'LINCOLN	4720 4768 4876 4909	MONTGOMERY ELIZABETH CTY BRUNSWICK ROCKBRIDGE LOUDOUN	10	37 14 37 05 36 46 37 47 39 07	80 13 76 21 77 51 79 26 77 43	1280 10 254 1060 500	72 12 79 56	7 121 12 86 57			2 1 2 3 1 2 3 1 2 3 1 2 3
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOMS	0551 0670 0712	ROCKBRIDGE BEDFORD CLARKE SCOTT PAGE	15 16 8	37 38 37 21 39 09 36 40 38 31	79 27 79 31 77 59 62 30 78 26	725 975 580 3150 3510	10 29 6 22	26 43 16 22 22			1	2 3 2 3 2 3 2 3 2 3		LOUISA LOVES MILL LURAY 3 E LYNCHBURG MADISON HEIGHTS LYNCHBURG WB AIRPORT	5057 5096 5115	LOUISA WASHINGTON PAGE AMHERST CAMPBELL	8 16 9	38 01 36 45 38 41 37 25 37 20	78 00 81 41 78 23 79 08 79 12	437 2060 1120 690 947	42 16 86	42 23 16 86			1 2 3 1 2 3 1 2 3 C
BIG STONE GAP BLACKSBURG 2 BLACKSTONE CAA AIRPORT BLACKSTONE WATER WORKS BLAND	0766 0773 0778	WISE MONTGOMERY NOTTOWAY NOTTOWAY BLAND	11 12 12	36 52 37 14 37 04 37 05 37 06	82 46 80 25 77 57 78 01 81 07	1485 2040 435 423 2000	12 12	2 6 12 7			1	2 2 3 2 3 C 2		MANASSAS MARTION MARTINSVILLE FILTER PLANT MATHEWS 1 SSW MC GAHEYSVILLE 2 S	5266 5300 5338	PR WILLIAM SMYTH HENRY MATHEWS ROCKINGHAM	8 7 5	38 45 36 51 36 42 37 25 38 21	77 28 81 31 79 53 76 20 78 44	318 2200 760 10 1090	10 19 8	41 51 27 8			1 2 3 2 1 2 3 1 2 3
BOWLING GREEN BOYKINS BREMO BLUFF BRISTOL BRISTOL TVA	0956 0993 1037	CAROLINE SOUTHAMPTON FLUVANNA WASHINGTON WASHINGTON	10 9 8	38 03 36 35 37 42 36 36 36 37	77 21 77 12 78 18 82 10 82 10	225 40 225 1998 1920	8 4 24	8 4 17 24			1	2323232		MEADOWS OF DAN 5 SW MEMDOTA MONS MONTEBELLO 3 NE MONTEBELLO FISH NURSERY	5501 5677 5885	PATRICK WASHINGTON BOTETOURT NELSON NELSON	8 15 9	36 40 36 42 37 28 37 53 37 51	80 27 82 18 79 36 79 06 79 07	1500 1350 2605 12450 1960	12 9	50 12 20			2 2 1 2 3 2
Brookneal Buchanan Buck Ingham Buena Vista Burkes Garden	1136	CAMPBELL BOTETOURT BUCKINGHAM ROCKBRIDGE TAZEWELL	9	37 03 37 32 37 33 37 44 37 06	78 57 79 41 78 33 79 21 81 20	500 875 485 835 3250	39 60	56 22 20 62				2 2 3 2 2 2 2 3		MONTEREY MOORES CREEK DAM MOUNT WEATHER NASSAWADOX NATURAL BRIDGE STATION	5729 5851 5931	HIGHLAND ROCKBRIDGE LOUDOUN NORTHAMPTON ROCKBRIDGE	9 13 2	38 25 37 45 39 04 37 29 37 35	77 53	2910 1600 1725 35 825	16 53 1	32 22 54 1 15			1 2 3 2 1 2 3 C 1 2 3 2
BYLLESBY CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	1471 1585	CARROLL PRINCESS ANNE ROANOKE CHARLOTTE ALBEMARLE	2 9 15	36 48 36 56 37 23 37 03 38 02	80 55 76 01 80 05 78 38 78 31	2075 16 1890 560 870	83 46 11 14	14 83 46 11 61			1	2 3 C 2 3 C 2 3 2 3		NEW CANTON NEW CASTLE NEWPORT 2 NW #NEWPORT NEWS NORFOLK WB AIRPORT	6012 6046 6054	BUCKINGHAM CRAIG GILES: PRINCESS ANNE	9	37 42 37 30 37 19 36 59 36 53	78 18 80 06 80 31 76 26 76 12	300 1325 1900 25 26	62 36 12	64 20 12 36 12			1 2 3 2 2 1 2 3 1 2 3
CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHATHAM SCS CHERITON	1614	ALBEMARLE MECKLENBURG PITTSYLVANIA PITTSYLVANIA NORTHAMPTON	15 7 7	38 02 36 48 36 50 36 51 37 17	78 31 78 28 79 22 79 24 75 58	540 520 700 845 11	7 10 34 21	10 34 30	7		1	2340 23 23 23		NORFOLK NORTH BRISTOL SUBSTATION NORTH RIVER DAM OLINGER PAINTER Z W	6199 6345	WASHINGTON AUGUSTA LEE ACCOMAC	8 16 6	36 52 36 37 38 22 36 49 37 35	76 17 82 11 79 16 82 52 75 49	11 1740 2400 1460 30	97	97 10 27 23 2		ļ	1 2 3 2 2 2 1 2 3
CHILHOWIE 1 5 CHINCOTEAGUE NAS CHURCHVILLE CLARENDON LYON PARK CLARKSVILLE	1708	SMYTH ACCOMAC AUGUSTA ARLINGTON MECKLENBURG	16 13	36 47 37 56 38 14 38 54 36 38	61 41 75 28 79 10 77 05 78 33	2000 40 1475 225 325	6 35	6 0 6			1	2 3 C C 2		PALMYRA †PALMYRA 1 E PARTLOW 3 WNW PEDLAR DAM PENNINGTON GAP 1 W	6491 6593	FLUVANNA FLUVANNA SPOTSYLVANIA AMHERST LEE	9		78 16 78 16 77 42 79 17 83 03	248 380 250 1013 1550	6 25	0 1 6 23 25	APR	APR	2 2 1 2 3 1 2 3
CL'EVELAND CLIFTON HORGE CLINCHCO CLINCHPORT COLUMBIA	1808	RUSSELL ALLEGHANY DICKENSON SCOTT GOOCHLAND	9 3 6	36 57 37 49 37 10 36 40 37 46	63 09 79 50 62 19 62 45 78 09	1540 1055 1530 1260 300	55	24 93 7 62 59			1	2 2 2 2 2 2 3 C		PHILPOTT DAM 2 PIEDMONT FIELD STATION PHILOT 1 NE POWHATAN 5 SW PULASKI	6712 6723 6906	HENRY ORANGE MONTGOMERY AMELIA PULASKI	17 11 9	36 47 38 13 37 04 37 29 37 02	80 21	1123 500 2250 260 1850	10 8	5 11 16 8 16	5		1 2 3 4 C 1 2 3 2 1 2 3
CONCORD 5 S COOTES STORE COPPER HILL COVINGTON CORZET 2 N	1999	CAMPBELL ROCKINGHAM FLOYD ALLEGHANY ALBEMARLE	9	37 17 38 38 37 06 37 48 38 05	78 58 78 51 80 07 80 00 78 42	650 1070 2770 1245 750	15	8 15 17 20 15			1	2 2 2 C 2 2 3		PULASKI CAA AIRPORT QUANTICO 1 S RADFORD CLAYTOR DAM RANDOLPH RAPIDAN	7004 7025	PULASKI PR WILLIAM PULASKI CHARLOTTE ORANGE	13 13 15	37 05 36 30 37 05 36 54 38 18	80 35 78 43	2189 12 1855 329 300	19 57	19 53 52 52 52 12			1 2 3 1 2 3 2 2 2 C
CULPEPER DAHLGREN PROVING GROUNDS DALE ENTERPRISE DAMASCUS DANTE	2208	CULPEPER KING GEORGE ROCKINGHAM WASHINGTON RUSSELL	13 16 8	38 29 38 20 38 27 36 38 36 59	77 59 77 02 78 56 81 48 82 18	475 18 1350 1950 1765	48 38 75 39	50 38 77 31 40			1	23.23.23.23.23		RICHMOND WB AIRPORT RIVERTON ROANOKE #ROANOKE WB AIRPORT ROCKFISH	7275 7285	HENRICO WARREN ROANOKE ROANOKE NELSON	16 15 15	37 30 38 56 37 16 37 19 37 48	77 20 78 12 79 56 79 58 78 45	550 907	20 50 23	20 26 63 25 20			1 2 3 C 2 1 2 3 1 2 3 C 2
DANVILLE #DANVILLE.CAA AIRPORT DARNIN DAVENPORT 2 NE DEERFIELD 1 S	2264	PITTSYLVANIA PITTSYLVANIA DICKENSON BUCHANAN AUGUSTA	3	36 36 36 34 37 05 37 07 38 10	79 23 79 20 82 30 82 06 79 22	565 577 1500 1600 1720	40 14	67 14 9 16 31		JUI	LY	2 3 2 3 2 c		ROCKY KNOB ROCKYMOUNT ROSE HILL SALTVILLE SALTVILLE SALTVILLE 1 N	7372 7501	FLOYD FRANKLIN LEE SMYTH . SMYTH	15 6 8	36 51 37 00 36 40 36 53 36 53	80 27 79 54 83 22 81 46 81 46	3075 1132 1475 1725 1735	16 64 39	16 64 24 36 41			1 2 3 1 2 3 2 2 1 2 3
DELAPLANE 1 NW DENDRON 1 NW DIAMOND SPRINGS DRIVER 4 NE DUNBAR	2368 2504	FAUGUIER SURRY PRINCESS ANNE NANSEMOND WISE	5 2	38 55 37 03 36 54 36 53 36 58	77 56 76 57 76 12 76 29 82 45	555 110 25 17 1950	0 49	0 49 15 23	DEC		1	2 3 2 3 2		SEXTON SHELTER SMITHFIELD 3 NE SOMERSET SPEDWELL SPRING CREEK 2		MADISON ISLE OF WIGHT ORANGE WYTHE TAZEWELL	9 14 11	38 37 37 01 38 14 36 49 37 01	78 15	2340		15 9 17 22			2 2 2 2 2 2
OUNGANNON ELKWOOD 6 SE EMPORIA 1 WNW EPISCOPAL HIGH SCHOOL FAIRFAX	2790	SCOTT CULPEPER GREENVILLE FAIRFAX	14 10 13	36 50 38 27 36 41 38 49 38 50	82 26 77 46 77 33 77 06 77 19	2500 300 80 250 450		23 17 27 11 9				2 2 3 2 2 3 2		STACY STAFFORDSVILLE STAR TANNERY STATE FARM STAUNTON D AND B INSTITUTE	8022	BUCHANAN GILES FREDERICK GOOCHLAND	11 16 9	37 19 37 14 39 05 37 38 38 09	78 26 77 48	1960	65	16 7 19 71			2 2 0 1 2 3
FALLS CHURCH FARMVILLE FIELDALE FLOYD FLOYD FLOYD 2	2941 2983 3071	FAIRFAX PRINCE EDWARD HENRY FLOYD FLOYD	1 7 11	38 53 37 18 36 43 36 55 36 55	79 56	760	25			SE	րլի	23 123 123 2		STUARTS DRAFT STUARTS DRAFT SUFFOLK LAKE KILBY SUNNYBANK SUSSEX	8172 8192 8224	PATRICK AUGUSTA NANSEMOND N'HUMBERLAND SUSSEX	16	36 38 38 00 36 44 37 53 36 55	79 03 76 36	1450	11	33 9 11 6 6			1 2 3 2 2 1 2 3 1 2 3 1 2 3 C
FORT. LEE FREDERICKSBURG FREDERICKSBURG EMBRY PLANT FREE UNION FRONT ROYAL 6 NNW	3192 3197 3213	PRINCE GEORGE SPOTSYLVANIA ALBEMARLE WARREN	114	37 14 38 18 38 18 38 09 39 00	77 2A	60 100 20 584 677	1	8 66 3 19	,	'n	.	2 3 2 3 2 1 2 3		SWORDS CREEK TANGIER ISLAND TAZEWELL THE PLAINS 2 SE TIMBERVILLE 2 N	18354	RUSSELL ACCOMAC TAZEWELL FAUQUIER ROCKINGHAM	6 13	37 02 37 49 37 07 38 51 38 40	76 00 81 31 77 45	2450 590		22 6 23 12 26			1 2 3 2 2 1 2 3
GALAX GLEN LYN GORDONSVILLE CAA AIRPORT GOSHEN GROSECLOSE	3397 3461 3470	CARROLL GILES LOUISA ROCKBRIDGE SMYTH	11 11 17 9	36 40 37 22 38 04 37 59 36 52	80 55 80 52 78 10 79 30 81 20	1300		14 44 19 18 15			1	2 3 C 1 2 3 1 2 3 2 2 C		TROUT DALE TYE RIVER 1 SE URBANNA VIENNA DUNN LORING WALKERTON	8600 8642 8737 8829	GRAYSON NELSON MIDOLESEX FAIRFAX KING & QUEEN	14 13	36 42 37 39 37 38 38 54 37 44	78 56 76 34 77 13	25	21	22 19 21 9 25			2 C 1 2 3 2 1 2 3
GROVETON MALIFAX 1 N MALIFAX 5 ENE HAYSI HERNDON	3695 3695 3863	FAIRFAX HALIFAX DICKENSON FAIRFAX	7 7 3	38 46 36 47 36 47 37 12 38 58	82 18	442 1250	3	7 27 3 16 5			,	2 2 1 2 3 C		WALLACE WALLACETON LAKE DRUMMOND WARRENTON 5 NE WARSAW 2 N WASHINGTON	8837 8888 8894	WASHINGTON NORFOLK FAUQUIER RICHMOND RAPPAHANNOCK	13	36 39 36 37 38 45 37 59 38 43	77 44	550 140	7	22 32 7 7 12			2 2 1 2 3 1 2 3
HIGH KNOB HILLSVILLE I MN HOLLAND I E HOLSTON HONAKER	3991 4044 4065	WISE CARROLL NANSEMOND WASHINGTON RUSSELL	å	36 54 36 46 36 41 36 49 37 01	76 47 82 06	80 2550	25	22 15 25 23 22	в		,	2 2 2 3 4 2 2 C		WASHINGTON WB NATIONAL AP WATERFORD WAVERLY WAVERLY HILLS WEST POINT 2 SW	6933 8938 9025	LOUDOUN SUSSEX ARLINGTON NEW KENT	13 13 17	38 51 39 11 37 02 38 53 37 31	77 36 77 06 77 06 76 49	340	4	17 12 3 11 4		DEC	1 2 3 C 2 1 2 3 1 2 3 1 2 3
HONAKER 4 NN HOPEWELL HOT SPRINGS HUDDLESTON HURLEY 1 SE	4101 4126 4146	RUSSELL PRINCE GEORGE BATH BEDFORD BUCHANAN	9 9 15	37 03 37 18 38 00 37 10 37 25	77 18 79 50 79 29	40	65	23 70 66 8				2 1 2 3 1 2 3 C 2 C		WHITE GATE WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE WOODSTOCK	9151 9186 <b>92</b> 15 9263	GILES YORK FREDERICK WISE SHENANDOAH	13 6	37 12 37 18 39 09 36 58 38 53	76 42 78 11 82 34	75 750 2500 887	52	12 51 3 65			1 2 3 C 1 2 3 C 1 2 3 C 1 2 3 C
INDEPENDENCE 2 INDIAN VALLEY	4234	GRAYSON GRAYSON FLOYD	111	36 36 36 37 36 54	81 10	2500	l	17 5		SE	PT	2 · 2 c		MOOLWINE 4 5 NYTHEVILLE	9272 9301	PATRICK WYTHE	11	36 43 36 58	80 17 81 06	1490 2400	54	7 84			2 C 1 2 3 C

<sup>1-</sup>APPOMATION: 2-ATLANTIC: 3-BIG SANDY, 4-BLACKWATER, 5-CHESAPEAKE, 6-CLINCH, 7-DAN, 8-HOULSTON, 9-JAMES, 10-MEHERRIN, 11-NEW, 12-NOTTOMAY, 13-POTOMAC,

Additional information regarding the climate of Virginia may be obtained by writing to the State Climatologist at Weather Bureau Airport Station, Byrd Field, Sandston, Virginia or to any Weather Bureau Office near you.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in '7, precipitation and evaporation in inches, and wind accessent in miles.

Evaporation is measured in the standard Seather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4. Max and Min in Table 4 refer to average maximum and average minimum temperature of water in pan.

Long-term means for full-time stations (those shown in the Station Index as "U. S. Weather Bureau") are based on the period 1921-1950, adjusted to represent observations taken at the present location. Long-term means for all station except full-time Weather Bureau stations are based on the period 1931-1955.

Climatological divisions, outlined on the maps in this bulletin became effective with data for November 1895.

Figures and letters following the station name, such as 12 SSF, indicate distance in miles and direction from the post office.

Delayed data and corrections will be carried in the June and December issues of Climatological Data.

Rorecord.

Also later date (dates) or months.

Also later date (dates) or months.

Also later date (dates) or months.

Assount included in following measurement.

Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.

Adjusted to a full month.

Bat for record for recorder restrions denoted by "C" in the Refer to Tables column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder - only stations may be found in the annual issue of "Hourly Precipitation Data".

Assount is wholly or partially estimated.

One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.

Trace, an assount too small to measure.

Y Includes total for previous month. V in annual column means total is for a two-year period. Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Clinatological Data, obtained as indicated above, prince 15 cents.

Subscription Price: 20 cents per copy, monthly and annual; \$2.50 per year. (Yearly subscription includes the Annual Summary.) Checks, and money orders should be made payable to the Superintendent of Documents. Remittances and correspondence regarding subscriptions should be sent to the Superintendent of Documents. Covernment Printing Office, Washington 25, D. C.

USCOMM-WB-Asheville, N. C. --- 3/10/58 --- 1025