

U. S. DEPARTMENT OF COMMERCE
SINCLAIR WEEKS, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1957
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ASHEVILLE: 1958

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. Wet 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 weather. 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 State-wide 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. A 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.

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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.

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

VIRGINIA
1957

Table 1

Station	January	February	March	April	May	June	July	August	September	October	November	December	Annual
	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
ALEXANDRIA POTOMAC YDS	34.1M	42.5	46.9M	61.1M	68.3M	77.3M	79.6	76.8	73.1	58.8M	50.6	42.8M	59.1
ASHLAND 1 SW	35.5	42.8	46.2	60.5	66.8	77.5M	77.7	73.8	71.3	53.0	49.5	41.8	58.0
BACK BAY WILDLIFE RFG	42.5	45.9	49.8	62.8	68.6	76.7	78.2	77.0M	75.9	60.1M	56.0	47.6M	61.7
BALCONY FALLS	35.4M	41.2	44.0	58.4	66.6	73.2	75.1	72.1	69.0M	51.6	47.1	39.7	56.1
BEDFORD	36.0	44.4	47.6	60.3	67.1	73.7	76.0	73.8	70.5M	55.4M	49.6	41.9	57.9
BERRYVILLE	30.6	38.6	42.0	55.9	63.2	73.1	73.9	71.4	67.7	51.1	44.2	37.1	54.1
BIG MEADOWS	26.9	34.8M	35.6	50.5	58.1	64.7	66.6	63.9	60.4	44.8	41.6	32.4M	48.3
BLACKSBURG 2	33.0	40.0	41.2	52.4M	63.3	68.9	70.8	68.7	65.3	48.2	44.8	36.4	52.8
BLACKSTONE CAA AP	36.6	43.8	47.7	61.3	67.7	75.3	77.5	74.6	71.4	54.6	50.3	43.2	58.7
BOWLING GREEN	37.4M	44.3	48.0	62.5	68.0	76.9	78.8	75.0	72.6	55.4	51.7	43.9	58.5
BOYKINS	41.1	46.4	50.3	64.6	69.2	77.6	79.1	76.3	74.4	55.8M	52.9	46.1	61.1
BRISTOL	38.3	46.0M	47.3M	61.3M	67.7M	73.8	75.8	73.5	70.2M	54.2M	49.5M	41.0M	58.3
BUCHANAN	36.9	- 1.0	45.0	5.2	60.5	67.1	1.8	73.8	- 2	73.5	69.7	- 4.5	48.9
BURKES GARDEN	33.2M	- .8	42.2	52.0	58.1	64.4	65.1	- 3.0	62.9	- 4.2	62.5	- 5.1	42.1M
CAPE HENRY WB CITY	39.9		44.2	48.0	60.8	67.7	76.2	77.9	75.7	74.7	59.7	54.7	60.6
CATAWBA SANATORIUM	34.7	- 2.2	42.6	5.4	44.1	57.7	4.0	65.0	2.3	70.3	4	73.2	70.6
CHARLOTTE COURT HOUSE	34.0M		41.6M	45.8M	59.6	67.0	68.1M	73.9M	75.8	73.4M	70.1M	54.0M	46.7M
CHARLOTTESVILLE 2 W	36.6	- 2.9	41.0	2.5	47.4	55.6	3.8	64.8	1.2	73.6	- .3	70.6	57.7
CHARLOTTESVILLE 1 W	35.4		41.7	46.0	58.6	66.6	73.6	77.6	74.9	71.2	54.8	50.3	57.8
CHASE CITY	38.5		45.3	48.8	62.4	68.7	75.8	77.9	75.5	71.7	55.4	51.5	59.6
CHATHAM 2 NE	36.6	- 3.2	42.7	2.1	45.0	- 2.6	58.9	1.8	67.2	- .9	73.3	- .8	69.4
CHILHOWIE 1 S	33.7		41.9	42.6	55.7	63.3	69.9	69.9	67.5	49.4	45.1	36.8	53.6
COLUMBIA	34.5	- 3.0	41.4M	2.4	45.4	- 1.3	58.8	2.6	66.6	- .5	73.6	- .6	76.8
CROZET 2 N	36.1		42.9	46.5	60.0	66.4	74.3	76.9	73.6	70.0	55.2	48.7	57.6
CULPEPER	33.0	- 4.2	42.2	4.3	45.8	- .3	59.5	3.8	66.3	- .7	74.9	- 1.5	77.6
DAHLGREN PROV GROUNDS	33.4	- 4.7	40.5	2.3	49.1M	- .5	60.4M	5.1	67.8M	2.4	75.2	1.4	77.6
DALE ENTERPRISE	31.6	- 4.0	39.3	3.1	42.0	- 1.0	56.1	3.5	63.0	- .7	70.3	- .2	72.8
DANTE	33.2	- 4.2	41.8	3.8	44.5	- .5	57.3	3.8	67.5	4.1	74.3	3.8	75.6
DANVILLE	38.6	- 3.1	44.8	2.4	47.3M	- 2.2	61.8	2.8	69.2	1.2	76.3M	5.3	79.2
DANVILLE CAA AP	38.4		44.8	47.9	61.9	68.8	75.4	78.3	76.1	71.6	55.0	50.8	59.4
DIAMOND SPRINGS	40.3	- 4.2	45.8	1.6	49.3	- 1.4	63.3	4.5	69.1	1.1	77.7	1.9	78.6
EKKWOOD 8 SE	32.2		40.6	44.5	58.4	65.1	73.9M	76.5M	73.4M	69.7	51.9	46.7	56.0
EPISCOPAL HIGH SCHOOL	32.0M		40.4M	45.3M	59.8M	67.7M	73.8	76.7	73.8	70.0M	53.1M	47.1	57.1
FALLS CHURCH	31.2		39.8	44.3	58.6	66.7	73.8	76.7	73.8	70.0M	53.1M	47.1	57.1
FARMVILLE	37.2M	- 2.8	43.8	3.1	47.4	- .3	61.0	4.1	67.5	1.5	74.6	- .6	76.8
FLOYD	34.9		42.2	45.2	58.2	67.0	74.1	76.1	73.1	69.2	50.2	46.1M	58.4
FORT LEE	36.0		43.5	47.6	61.5	68.7	75.6	76.4	73.7	71.6	54.4	50.0	57.7
FREDERICKSBURG	33.1M	- 4.5	41.5M	3.5	45.5	- .1	58.6	3.4	66.1M	- .8	74.3	- 1.0	76.4
GALAX	35.9		42.9	42.8	56.1	62.3	68.9	69.7	66.0	48.2	45.4	38.2	53.9
GLEN LYN	34.8		46.1	45.6	58.9	67.5	74.4	74.4	73.6	69.8	53.2	48.0	57.0
GORDONVILLE CAA AP	31.7		39.9	44.1	58.1	65.2	73.5	76.1	73.2	69.2	50.0	45.3	55.5
HALIFAX 5 ENE	39.8		45.2	48.7	62.5	69.1	75.9	78.1	74.4	71.0	54.9M	51.0	59.6
HOLLAND 1 E	38.0		44.3	47.5	61.5	67.4	74.2	77.1	74.7	73.8	55.9	51.3	59.4
HOPEWELL	37.6	- 4.5	45.0	2.2	48.9	- 1.2	63.2	3.7	69.6	1.1	76.5	- .1	78.3
HOT SPRINGS	31.9	- 4.9	40.7	7.3	41.5	- .9	59.4	5.0	63.0	3.1	68.9	1.7	70.6
JOHN H KERR DAM	37.9		47.4	47.4	61.2	68.6	76.8	77.7	74.4	72.0	53.9	49.2	58.7
LANGLEY AIR FORCE BASE	38.7	- 3.3	44.3	2.4	48.7	- .1	62.0	6.8	74.8M	2.8	79.8	- .9	76.2
LAWRENCEVILLE	38.0M		45.1	48.9	61.9	68.1	76.7	78.5	75.8	72.8	54.9	51.4	59.7
LEXINGTON	35.2	- 2.6	43.2	4.7	45.3	- .3	59.5	4.4	66.4	2.3	73.0	1.4	74.9
LINCOLN	31.8	- 4.3	40.3	3.6	44.8	- .3	58.8	4.2	66.1	- .7	74.0	- .3	74.7
LOUISA	34.7		42.0	46.1	59.9	66.1	73.8	76.9	73.5	69.8	52.2	48.0	57.0
LURAY 5 E	32.9		40.8	43.8	57.2	64.8	71.8	73.0	71.6	68.6	51.5	46.5	57.1
LYNCHBURG WB AIRPORT	35.5	- 2.2	43.0	3.8	46.4	- .0	59.8	4.5	66.6	1.4	73.2	- .4	75.8
MANASSAS	32.4		40.4	49.1	58.8	66.3	74.0	77.4	74.3	71.2	53.2	47.6	56.8
MARTINSVILLE FLYT PL	37.8		44.1	46.0	59.6	66.5	73.5	74.7	72.5	69.6	52.6	47.9	57.1
MATTHEWS 1 SSW	36.3M		43.0M	46.7M	60.2	67.2	76.5M	77.6	74.1M	69.8	55.6	43.2M	58.7
MONROE	31.2		39.1M	43.9	59.1	66.2	73.7	76.4	73.7	64.2M	48.2M	44.0	54.4
MONTEREY	28.1		38.9	39.0	50.0M	58.7	65.9	65.7	65.4M	62.4	46.7	41.1	49.2
MOUNT WEATHER	28.9	- 1.7	38.4M	7.7	41.0	2.3	54.4	5.9	63.1	3.2	70.4	1.9	72.9
NASSAUX	36.6		43.2	46.6	59.5	66.0	73.8	76.5	73.2	72.7	55.3	51.7	58.5
NEWPORT NEWS	40.2	- 2.2	45.1	48.9	61.9	68.1	76.7	78.5	75.8	72.8	54.9	51.4	59.7
NORFOLK WB AIRPORT	39.7	- 1.8	46.4	2.6	48.4	- .7	62.3	6.0	68.1	2.2	77.7	3.0	78.6
NORFOLK	42.6		47.5	51.4	65.7	71.1	79.7	80.9	78.3	76.6	60.5	50.1	63.3
PAINTER	36.6		43.2	46.3	59.4	66.3	73.8	76.5	73.8	72.4	56.3	51.5	58.5
PARTLOW 3 WNW	33.4		41.6	45.4	59.1	66.0	74.9	77.4	73.3	69.6	52.2	47.2	56.7
PENNINGTON GAP 1 W	34.4	- 2.5	43.3	5.5	44.1	- .2	58.4	2.4	63.8	- .0	70.2	- .6	71.8
PHILPOT DAM 2	36.9		42.7	45.2M	58.0	65.2	72.7	75.2	73.5	68.9	54.1	48.5	56.0
PIEDMONT FIELD STATION	33.3		42.1	46.1	59.5	67.2	74.9	77.5	75.2	70.9	53.4	48.5M	57.5
POWHATAN 5 SW	36.4M		43.2M	47.1	60.5M	67.0	74.9	77.6M	74.0M	70.8M	54.6M	48.9M	58.1
PULASKI CAA AP	33.9		41.4	41.8	55.3	63.4	69.2	71.8	68.7	65.8	49.3	46.0	56.9
QUANTICO 1 S	32.6	- 4.3	41.4	44.0	45.7	- .7	58.9	3.8	66.5	1.3	73.8	- 1.8	70.6
RICHMOND MB AP	35.2	- 3.1	43.3	3.8	47.2	- .3	61.5	5.4	67.8	2.0	76.2	1.9	78.4
ROANOKE	36.5	- 2.8	44.4	46.3	- .5	59.8	5.4	67.4	1.8	75.4	- .1	76.1	
ROANOKE WB AIRPORT	35.7	- 2.2	43.4	4.2	45.4	- .9	58.8	4.3	67.6	2.9	73.7	1.0	75.5
ROCKY KNOB	32.8		40.6	39.4	58.2	61.6M	67.8	69.8	68.1	- .6	68.5	- .6	63.5
ROCKY KNOB	32.8		40.6	39.4	58.2	61.6M	67.8	69.8	68.1	- .6	68.5	- .6	63.5
SALTWATER 1 N	36.0	- 1.2	43.1M	6.9	43.8	- .5	58.6	2.3	64.2	8.6	72.7	- 2.8	76.4M
SAUNTON D AND B INST	34.0	- 2.2	39.9	3.4	42.8	- .4	57.1	4.2	64.4	1.3	71.7	- 1.1	71.9
STUART	38.8		44.9	46.0M									

Table 1-Continued

AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

VIRGINIA
1957

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	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
DIVISIONAL AVERAGES																										
TIDEWATER	37.6	- 3.2	43.9	2.0	47.7	- .3	61.6	4.8	68.1	1.6	76.6	1.0	78.1	.0	79.2	- 1.5	73.4	2.1	56.5	- 4.3	52.0	1.7	44.6	3.4	58.6	.7
EASTERN PIEDMONT	36.0	- 3.3	43.2	3.2	46.9	- .4	60.6	4.0	67.2	1.1	75.3	1.2	77.6	.4	74.1	- 1.5	71.1	1.4	53.6	- 5.2	49.2	1.3	42.1	3.0	58.1	.5
WESTERN PIEDMONT	36.5	- 3.0	43.1	2.9	46.0	- 1.1	59.5	2.7	67.0	.9	73.2	- .5	76.0	.5	73.3	- 2.0	70.1	1.0	58.5	- 3.7	49.3	1.4	48.7	2.4	57.4	.3
NORTHERN	31.7	- 4.0	40.0	3.8	43.9	- .2	57.4	4.1	65.2	1.4	73.0	1.2	78.5	- .1	73.1	- .8	66.4	1.9	52.6	- 4.4	47.0	1.3	39.0	2.9	55.7	.7
CENTRAL MOUNTAIN	33.8	- 2.7	41.2	4.2	49.6	- .3	57.3	3.7	64.8	1.7	71.4	.7	73.4	- .5	71.5	- .8	67.5	1.1	51.2	- 5.0	46.5	1.7	39.0	2.6	55.1	.5
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	66.0	- 2.6	66.6	.7	50.1	- 5.5	45.9	2.1	37.7	1.4	54.3	.5

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

VIRGINIA
1957

TABLE 2

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	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
ABINGDON	8.86		6.57		5.25		4.72		2.25		7.08		1.68		4.88		8.22		1.18		5.08		5.41		59.18	
AFTON BOXWOOD GARDENS	1.02		5.48		2.61		4.96		1.94		4.17		1.78		0.84		5.97		-		-		-		-	
ALEXANDRIA POTOMAC YOSE	2.26		2.52		2.21		2.29		1.25		3.16		1.26		2.62		4.15		2.83		2.61		5.91		E35.07	
ALLISONIA	5.86		4.49		2.31		6.78		2.03		2.00		2.09		.83		7.56		4.26		3.10		40.65		40.65	
ALTAVISTA	2.61		3.91		2.47		4.17		2.15		3.70		1.87		3.65		7.00		1.47		0.47		2.86		41.35	
AMISSVILLE	1.78		3.27		2.04		3.62		1.81		4.73		1.15		1.33		3.89		2.45		2.77		4.14		32.95	
APKOMATTOK	3.51		4.10		2.30		5.47		2.27		3.75		3.80		3.85		9.01		1.29		6.08		3.14		E50.07	
ASHLAND 1 SW	3.12		4.00		3.07		2.70		1.39		3.15		2.06		8.07		4.58		5.42		4.28		6.66		50.26	
AUGUSTA SPRINGS 1 E	3.50		4.23		1.65		E 5.22		3.68		5.49		1.78		.80		5.32		2.60		3.30		E 3.00		E40.57	
BACK BAY WILDLIFE RFG	4.43		6.04		1.18		1.28		2.00		1.46		2.67		11.49		3.86		4.16		7.25		5.06		56.78	
BALCONY FALLS	2.70	- .83	5.60	2.84	3.28	- .72	6.76	3.22	2.90	- .80	3.96	- .37	1.71	-2.22	1.22	-3.69	7.25	3.71	1.78	-1.36	4.12	1.00	2.93	- .41	44.30	1.11
BEDFORD	3.89	.25	5.25	2.52	2.29	-1.09	4.79	1.36	3.62	- .63	3.78	- .81	1.74	-2.81	2.34	-5.17	7.39	4.24	2.21	- .76	3.88	.87	2.70	- .89	43.68	- 1.72
BERRYVILLE	1.63		2.41		2.25		3.53		2.39		1.88		1.64		1.26		3.14		4.92		2.43		3.75		31.21	
BIG KNOB	7.05		5.66		2.54		4.60		1.50		6.43		1.39		5.96		5.87		1.70		3.70		5.77		54.17	
BIG MEADOWS	2.98		5.15		1.44		4.05		3.51		4.72		2.09		1.25		6.70		5.43		3.81		6.12		47.85	
BIG STONE GAP	9.95		6.37		1.84		4.17		3.67		4.63		2.17		3.93		6.38		1.39		6.37		6.56		57.03	
BLACKSBURG 2	5.83		4.99		2.65		4.59		2.10		4.47		3.39		1.24		10.29		2.11		4.40		3.50		49.02	
BLACKSTONE CAA AP	3.08		5.32		2.59		2.20		3.04		4.84		2.79		8.77		6.85		2.60		5.80		6.55		54.49	
BLAND	6.44		5.73		2.22		4.48		2.20		5.10		2.40		1.02		6.04		1.17		4.04		2.62		44.87	
BOWLING GREEN	3.18		4.41		2.46		3.05		1.34		2.55		2.87		6.38		3.97		5.55		3.75		7.77		47.80	
BOYKINS	4.10		5.96		4.80		2.04		2.62		1.82		3.30		2.26		6.62		3.31		6.07		6.94		49.93	
BREMO BLUFF	2.67		3.47		2.24		4.55		1.83		4.04		1.44		2.97		5.03		3.51		4.46		4.04		40.28	
BRISTOL	E 11.51		9.17		2.89		4.89		3.57		9.06		1.78		4.14		10.72		2.22		5.17		E 6.77		E71.87	
BRISTOL TYA	6.82		6.81		3.03		5.01		2.25		7.05		E 1.44		2.01		5.22		1.28		4.45		3.07		E81.24	
BROOKNEAL	E 2.93		4.05		3.13		5.15		1.86		4.14		1.40		4.26		6.79		.96		5.79		3.96		E43.85	
BUCHANAN	3.55	.11	4.04	1.29	1.24	-2.59	6.05	2.78	2.29	-1.85	3.51	- .99	1.46	-3.15	1.99	-3.04	9.80	6.28	1.39	-1.91	3.81	.506	3.07	- .23	E42.20	- 2.74
BUCKINGHAM	2.59		3.37		2.17		5.00		2.14		2.78		1.44		2.51		5.21		1.01		4.85		3.98		36.45	
BUENA VISTA	2.41		4.81		2.85		4.54		2.15		3.60		1.50		1.82		6.78		1.52		3.60		3.18		37.55	
BURKES GARDEN	9.27	5.34	6.41	2.91	2.03	-2.45	4.40	1.09	2.00	-2.05	6.00	1.67	2.24	-2.72	1.88	-2.47	8.90	5.87	1.81	- .70	5.17	2.21	4.41	1.04	94.12	9.74
BYLESBY	3.54		4.37		2.92		6.20		2.59		3.81		3.09		1.02		9.84		1.76		4.44		3.13		46.73	
CAPE HENRY WB CITY	4.01		4.18		3.51		2.21		1.58		5.66		3.62		1.87		7.10		5.60		4.11		4.84		52.12	
CATAMBA SANATORIUM	4.43	1.19	5.99	3.40	2.40	-1.22	5.26	2.00	1.68	-2.41	4.32	.09	2.19	-2.58	1.87	-2.87	10.75	7.44	2.22	- .82	3.28	.60	2.57	- .47	44.00	4.35
CHARLOTTE COURT HOUSE	2.55		3.00		2.00		2.81		1.23		2.70		3.95		6.43		8.32		1.34		3.26		3.68		44.80	
CHARLOTTESVILLE 2 W	2.43	-1.05	3.98	1.34	2.38	-1.62	4.03	.92	3.33	- .70	3.45	- .68	2.32	-3.23	1.35	-3.50	7.15	3.04	3.60	.31	4.07	.04	3.90	.36	42.65	- 3.84
CHARLOTTESVILLE 1 W	2.54		3.93		2.11		4.84		3.32		3.35		1.78		1.33		6.66		3.71		4.09		3.86		41.52	
CHASE CITY	3.76		5.09		2.27		3.21		2.00		5.15		2.04		5.44		5.96		1.35		6.26		4.57		47.76	
CHATMAN 2 NE	2.98	- .69	4.40	1.52	2.75	-1.07	4.75	1.30	2.34	-1.41	5.46	1.63	.85	-3.67	3.86	- .69	8.28	4.24	1.58	-1.14	7.44	4.53	3.08	- .22	47.91	4.32
CHERTON	3.20		5.31		6.07		3.13		1.37		2.91		2.29		5.16		6.25		5.74		5.03		4.21		50.55	
CHILHOWIE 1 S	8.93		6.60		2.81		4.38		6.28		3.07		1.90		2.59		6.14		1.79		4.96		6.21		59.55	
CLARENDON LYON PARK	2.98	- .36	2.38	- .06	2.75	- .87	3.21	- .17	1.93	-2.63	4.28	.51	.85	-3.21	2.48	-3.09	4.07	.33	2.60	- .80	3.36	.23	3.40	34.77	- 6.72	
CLARKSVILLE	E 4.02	.21	4.84	1.68	2.38	-1.64	3.35	- .38	3.90	.28	6.42	2.12	1.59	-3.39	5.48	- .01	3.94	.05	1.34	-1.27	7.78	4.58	4.20	1.24	E60.28	6.47
CLEVELAND	8.24		6.08		2.47		5.01		2.76		3.83		1.40		2.40		6.63		1.30		4.44		4.44		49.05	
CLIFTON FORGE	E 3.24	.11	4.32	1.59	2.33	-1.60	4.03	2.01	4.27	.29	3.65	- .16	.96	-3.33	8.80	5.71	2.08	- .74	3.16	.32	3.10	.04	642.07	1.24		
CLINCHCO	7.36		5.38		2.84		4.62		3.00		3.88		3.50		2.98		4.95		1.81		3.26		3.76		47.95	
CLINCHPORT	9.99		6.22		2.34		4.44		2.24		6.72		1.31		4.03		5.35		1.78		5.96		5.81		56.12	
COLUMBIA	2.58	- .68	3.54	1.03	1.90	-1.75	5.63	2.21	2.61	-1.27	2.65	- .65	1.11	-3.64	3.02	-1.37	4.57	.91	3.73	.86	3.81	1.05	4.53	1.59	E39.72	- 1.91
CONCORD 5 S	3.10		3.81		2.21		3.69		3.45		4.05		3.22		2.98		7.80		1.30		6.14		2.78		44.53	
COOTES STORE	1.28		2.87		1.39		4.15		4.15		4.41		1.01		.80		10.53		2.69		1.09		2.84		31.95	
COPPER HILL	3.06		7.61		2.98		8.70		2.89		6.86		3.88		1.88		10.33		2.74		4.97		5.86		E50.13	
COVINGTON	3.05		3.61		2.15		4.18		3.26		3.34		1.00		1.27		7.17		1.60		2.01		2.74		35.84	
CROZET 2 M	1.53																									

TOTAL PRECIPITATION AND DEPARTURES FROM LONG-TERM MEANS

VIRGINIA
1957

TABLE 2 - CONTINUED

STATION	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		ANNUAL	
	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	2.88	- .31	3.00	.48	2.18	-1.64	3.85	.07	2.82	-1.88	3.87	.33	1.84	-3.13	1.66	-3.23	4.84	1.54	3.48	.00	3.12	.10	5.09	2.82	E38.32	- 4.40
LOUISA	3.59		4.68		2.03		4.00		2.20		4.70		1.51		3.34		4.43		4.81		3.12		5.13		44.78	
LOVES MILL	3.67		7.47		2.25		4.87		4.53		5.74		4.52		2.97		5.56		1.78		4.70		4.37		57.45	
LURAY 5 E	2.11		2.89		1.67		2.72		2.61		3.14		1.40		.07		4.45		4.78		2.00		4.15		32.65	
LYNCHBURG MADISON MTS	3.33		4.64		2.46		5.39		2.47		3.87		1.40		1.76		7.72		1.70		3.96		3.29		41.77	
LYNCHBURG WB AIRPORT	3.99	.54	4.51	1.83	1.11	-2.46	3.77	.64	1.36	-1.73	5.38	1.42	2.05	-2.10	2.40	-1.95	7.48	4.38	1.93	- .94	4.36	1.99	3.09	- .86	41.15	1.58
MANASSAS	2.55		2.91		2.10		3.88		1.72		3.36		3.71		2.09		5.12		3.54		3.24		6.00		39.72	
MARION	3.81		7.49		2.29		4.49		1.89		4.42		3.65		2.97		5.19		1.49		4.59		4.04		51.32	
MARTINSVILLE FILT PL	2.88		4.09		2.10		7.17		4.79		5.40		1.87		3.18		13.10		2.25		7.47		3.12		57.74	
MATHEWS 1 SSW	3.99		5.31		5.75		2.80		1.79		5.81		.78		10.60		3.08		7.71		5.77		5.55		E58.26	
MEADOWS OF DAN 5 SW	5.43		5.88		2.67		8.25		4.62		9.96		2.42		1.90		13.95		5.12		7.60		4.63		E71.62	
MENDOTA	3.92	4.62	6.35	2.64	2.67	-2.02	4.41	.08	1.77	-2.13	5.10	1.50	1.54	-3.90	5.36	1.03	7.06	4.35	1.81	- .59	5.40	2.58	5.18	1.72	55.57	10.64
MONS	4.96		6.43		2.16		6.91		2.74		6.71		3.10		2.45		8.15		4.30		3.04		3.07		E54.32	
MONTICELLO 3 NE	3.36		6.45		2.46		11.43		4.38		6.32		3.28		2.15		3.76		1.79		5.09		6.18		56.26	
MONTREY	3.75		3.25		.81		4.39		1.36		8.49		2.66		.86		4.55		3.47		.91		4.08		39.56	
MOORES CREEK DAM	3.05		3.89		1.30		5.21		3.24		2.47		1.62		1.91		6.20		1.87		3.43		3.86		E40.05	
MOUNT WEATHER	1.04	- .89	2.47	.21	2.55	- .64	3.10	-.22	3.86	-.40	4.60	1.18	2.58	- .99	1.90	-2.77	4.77	.91	4.69	.97	3.69	.74	5.32	2.70	E41.46	.90
NASSAWADOK	3.00		4.38		7.04		2.31		1.37		5.19		2.05		7.59		7.07		6.60		5.57		6.18		E60.04	
NATURAL BRIDGE STATION	3.99		5.19		2.10		3.84		1.92		2.83		1.66		1.08		8.33		1.94		4.01		3.11		41.10	
NEW CANTON	3.03	- .82	3.89	1.13	1.68	-2.25	4.52	.88	1.92	-1.88	4.06	.71	1.47	-3.25	2.14	-2.43	5.00	1.60	2.73	- .15	4.68	1.69	4.29	.90	39.41	- 3.81
NEW CASTLE	3.62		4.33		2.07		4.87		1.92		4.74		2.47		2.10		11.35		1.86		3.15		2.26		44.75	
NEWPORT 2 NW	3.42		6.68		2.26		3.02		2.60		3.49		.91		.56		14.59		1.75		3.78		3.25		E46.08	
NEWPORT NEWS	4.12		4.67		4.34		4.47		1.37		3.32		2.47		6.53		5.60		2.94		3.44		5.02		50.76	
NORFOLK WB AIRPORT	4.11	.94	4.74	1.68	4.06	.79	1.86	-1.30	1.94	-1.51	3.50	- .60	2.18	-3.87	3.96	.88	7.18	3.32	3.44	.99	4.81	2.14	4.53	1.65	46.37	5.11
NORFOLK	3.75		4.36		3.92		2.38		1.09		3.19		2.23		4.61		5.14		2.42		4.29		3.62		41.82	
NORTH BRISTAL SUBSTA	8.90		7.54		2.67		4.76		1.67		7.23		1.44		2.93		5.45		1.29		4.68		4.06		53.52	
NORTH RIVER DAM	2.71	- .08	3.07	.80	1.85	-1.55	3.10	1.96	2.47	- .80	5.16	.88	1.69	-3.66	1.52	-3.30	6.96	3.54	3.09	.02	2.66	- .28	3.29	.56	40.37	- 1.80
OLINGER	10.44		6.70		2.37		3.88		3.04		5.69		2.35		3.70		6.74		1.39		6.69		6.45		59.44	
PAINTER	3.34		4.00		6.09		2.85		1.47		4.30		.87		8.26		4.25		7.29		5.59		6.06		54.03	
PALMYRA 1 E	-		-		-		-		-		-		-		-		4.13		3.08		3.98		3.66		-	
PARTLOW 3 NW	2.60		3.65		2.38		2.80		1.80		3.40		.38		3.85		4.25		5.30		3.60		6.20		E40.18	
PEDLAR DAM	2.17		3.33		2.96		6.48		3.86		5.65		1.98		1.03		7.02		3.07		4.25		3.62		E47.12	
PENNINGTON GAP 1 W	9.80	4.49	6.31	1.63	2.61	-2.97	5.26	1.52	2.47	-1.40	6.05	1.88	2.28	-3.27	3.24	- .93	7.60	5.03E	1.53	- .86E	5.30	1.00E	5.81	1.49	E59.36	8.60
PHILPOT DAM 2	2.90		4.75		2.98		6.14		2.12		3.96		3.75		3.71		16.20		3.38		6.54		2.76		59.15	
PIEDMONT FIELD STATION	1.83		3.91		1.92		4.11		1.12		4.99		1.10		1.26		4.57		4.85		3.80		4.01		36.78	
PILOT	4.14		4.89		2.12		4.71		1.35		5.67		1.88		1.80		9.80		2.45		4.06		3.61		E46.06	
POMHATAN 5 SW	2.08		4.55		2.50		2.67		1.95		3.55		1.55		4.85		4.08		3.07		4.98		5.22		E42.45	
PULASKI	3.33		5.28		3.53		5.85		1.88		5.22		4.36		5.04		2.13		6.53		1.71		3.31		52.25	
PULASKI CAA AP	5.91		5.32		2.05		5.21		2.72		5.49		5.04		2.13		6.53		1.71		4.67		3.31		52.25	
QUANTICO 1 S	3.19	- .04	4.46	2.27	2.49	- .66	1.79	-1.20	1.33	-3.22	3.32	.94	1.69	-3.36	4.83	.09	2.90	- .25	4.26	1.37	3.79	.96	5.13	2.39	37.78	- 1.31
RADFORD CLAYTON DAM	4.62	1.59	4.34	2.09	2.31	-1.10	5.35	2.69	2.25	-1.20	2.44	-.84	3.38	-1.10	1.95	-1.33	7.91	5.46	1.40	- .93	3.79	1.59	2.76	.10	42.76	6.84
RANDOLPH	3.53	- .80	4.29	1.37	3.24	-.75	3.36	-.40	1.75	-2.67	4.30	.59	1.70	-3.08	7.70	2.88	10.87	6.55	1.15	-1.71	5.12	1.70	3.64	.80	50.73	5.00
RAPIDAN	2.84		3.86		2.21		4.14		4.14		3.41		1.29		1.89		3.24		4.63		3.85		4.51		36.69	
RICHMOND WB AP	3.56	- .28	2.59	2.53	2.82	-.60	2.25	-.98	2.75	-.89	3.92	.05	1.60	-3.84	7.46	2.41	3.43	-.22	5.35	2.74	5.30	2.81	6.88	3.99	50.61	7.72
RIVERTON	1.04	- .79	2.49	.64	1.83	-1.04	2.41	-.44	1.57	-2.29	5.41	.29	1.21	-1.80	.71	-3.23	3.69	.76	3.73	.40	1.77	- .75	3.65	1.22	30.11	- 4.93
ROANOKE	3.78	.59	5.83	3.26	1.48	-2.28	5.65	2.46	4.02	-.18	8.84	4.74	1.40	-3.34	1.66	-3.41	8.98	5.73	3.41	.09	4.12	1.24	2.39	-.84	51.37	7.88
ROANOKE WB AIRPORT	3.74	.35	5.31	2.75	1.48	-1.71	5.48	2.46	2.22	-1.39	5.39	1.65	1.40	-3.34	1.66	-3.41	8.98	5.73	3.41	.09	4.12	1.24	2.39	-.84	51.37	7.88
ROCKFISH	2.60		4.06		2.56		6.54		6.73		3.80		1.12		1.91		7.57		2.23		3.98		3.83		46.69	
ROCKY MOUNT	3.87		4.10		2.00		5.45		3.39		2.95		2.90		1.87		E10.61		3.72		E 6.04		4.87		E52.57	
ROCKYMOUNT	3.19	- .18	4.77	2.03	2.20	- .66	5.84	2.59	2.																	

Table 3

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1957

Station	Highest	Date	Lowest	Date	Last spring minimum of								First fall minimum of								Number of days between dates										
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below		
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.									
ALEXANDRIA POTOMAC YDS	102	7-22	6	1-18	-		1-20	18	2-20	23	3-9	28	4-13	32	11-7	32	11-12	24	12-12	12	12-12	12	-	326	265	248	208				
ASHLAND 1 SW	102	7-23	-7	1-18	1-20	15	2-18	18	3-11	24	4-15	28	4-16	30	10-13	30	10-29	27	11-11	19	11-11	19	12-12	12	326	266	245	197	180		
BACK BAY WILDLIFE RPG	103	7-23	17	1-18+	None		1-19	20	1-19	20	1-19	20	2-22	31	12-6	31	12-12	17	12-12	17	12-12	17	None	-	327	327	327	287			
BALCONY FALLS	98	7-23	7	1-18	2-20	16	2-21	18	2-22	23	3-31	28	4-16	30	10-21	30	11-7	27	11-11	18	11-11	18	12-12	10	295	263	262	221	188		
BEDFORD	96	7-21+	7	12-12	1-20	11	2-21	20	2-22	22	4-15	27	4-16	29	10-13	30	11-7	27	11-11	18	11-11	18	12-12	7	326	263	262	206	180		
BERRYVILLE	100	7-21+	-8	1-17	3-4	13	3-31	20	4-15	23	4-16	28	5-5	30	9-28	29	10-12	26	11-7	23	11-11	15	11-11	15	252	225	206	179	146		
BIG MEADOWS	86	7-22	-5	1-17	3-5	15	4-15	18	4-15	18	5-4	27	5-5	29	9-28	31	10-12	28	10-28	24	10-28	20	11-10	15	250	196	194	161	146		
BLACKSBURG 2	92	8-31+	2	12-12	2-21	15	2-22	19	4-15	23	4-15	23	4-16	31	10-13	26	10-13	26	10-29	24	11-11	14	11-11	14	263	262	197	181	180		
BLACKSTONE CAA AIRPORT	98	7-23	8	1-18	1-19	14	1-19	14	2-21	24	3-10	28	4-15	32	10-12	32	10-28	28	11-11	24	12-12	17	12-12	17	327	263	262	232	195		
BOWLING GREEN	102	7-21	1	1-18	1-19	8	2-20	20	2-22	22	3-4	27	4-15	31	10-28	30	11-11	24	11-11	24	12-12	10	12-12	10	327	295	262	232	196		
BOYKINS	101	7-23	9	1-18	1-19	11	1-20	17	2-22	24	2-23	28	4-16	30	10-14	32	10-29	28	11-11	20	11-11	20	12-12	13	327	295	262	248	181		
BRISTOL	94	7-17+	4	12-12	1-19	11	1-20	20	3-21	23	4-15	28	4-15	28	10-20	29	10-29	26	11-10	23	11-11	20	12-12	10	326	264	234	197	188		
BUCHANAN	100	7-21+	5	1-18	1-20	16	2-21	18	2-22	21	4-15	25	4-16	29	10-20	32	11-7	27	11-11	16	11-11	16	11-11	16	295	263	262	206	187		
BURKES GARDEN	84	6-18+	0	1-17	4-15	16	4-15	16	4-15	16	5-7	26	5-8	30	10-9	32	10-13	28	10-14	23	10-21	20	12-12	12	230	189	182	159	154		
CAPE HENRY WB CITY	100	7-22	16	1-18	1-18	16	1-18	16	1-18	16	1-24	28	2-20	30	12-5	32	12-11	26	12-12	18	12-12	18	None	-	328	328	321	281			
CATAWA SANATORIUM	94	7-22	3	12-12	1-19	15	2-21	18	3-4	22	4-15	25	4-15	25	10-13	31	10-28	26	11-10	24	11-11	17	12-12	3	327	263	251	196	181		
CHARLOTTE COURT HOUSE	98	7-14	5	1-18	1-20	14	1-20	14	2-22	23	3-11	27	4-14	31	10-13	30	10-28	25	11-11	17	11-11	17	12-12	10	326	295	262	231	182		
CHARLOTTESVILLE 2 W	99	7-23	8	1-18	1-19	15	2-20	20	3-5	24	3-5	24	4-13	31	10-28	30	11-11	27	12-12	12	12-12	12	12-12	9	327	295	271	251	196		
CHARLOTTESVILLE 1 W	99	7-23+	1	1-18	1-20	15	1-20	15	3-4	24	4-16	27	4-16	27	10-13	31	11-10	28	11-12	18	11-11	20	12-12	10	326	295	253	208	180		
CHASE CITY	99	7-23+	6	1-18	1-19	15	1-19	15	2-21	24	3-10	28	4-15	32	10-28	29	11-10	28	11-12	18	12-12	10	12-12	10	327	237	264	245	196		
CHATHAM 2 NE	98	7-23+	7	12-12	1-19	11	2-22	20	2-22	20	3-31	27	4-16	29	10-13	31	10-28	27	11-10	24	11-11	17	12-12	7	327	262	261	211	180		
CHERRITON	98	7-22	10	1-18	1-19	10	1-19	10	1-24	24	2-22	25	3-11	32	11-12	26	11-12	26	12-12	16	12-12	16	12-12	16	327	327	322	263	246		
CHILBOWIE 1 S	91	6-17+	0	1-18+	2-20	16	4-15	19	4-15	19	5-7	28	5-8	32	10-14	29	10-20	24	10-20	24	11-10	16	11-10	16	263	197	188	166	159		
COLUMBIA	100	7-22+	4	1-18	1-20	9	2-22	20	2-23	23	4-16	27	4-16	27	10-13	28	10-13	28	11-11	17	11-11	17	12-12	15	296	262	261	180	180		
CROCKET 2 N	100	7-21+	6	1-18	1-20	15	2-12	19	3-4	23	3-5	26	4-16	31	10-27	30	10-28	26	11-11	20	11-11	20	12-12	12	326	272	292	237	194		
CULPEPER	100	7-21+	9	1-19	1-20	10	2-20	19	3-4	21	4-16	28	4-16	28	10-13	28	10-13	28	11-12	16	11-11	20	11-12	16	296	264	253	180	180		
DAHLGREN PROV GROUND	98	7-22+	4	1-17+	1-19	7	1-19	7	2-21	24	3-4	28	4-13	32	10-28	32	11-11	28	12-12	16	12-12	16	12-12	16	326	326	293	252	198		
DALE ENTERPRISE	97	7-21	1	1-17	2-21	15	4-15	20	4-15	20	5-8	28	5-8	28	10-12	30	10-13	28	11-7	24	11-11	15	11-11	15	263	210	206	161	160		
DANTE	94	6-18+	-8	12-12	2-21	15	3-21	20	3-21	20	4-9	28	4-14	32	10-22	32	10-28	25	11-10	18	11-11	18	11-11	18	263	234	234	202	191		
DANVILLE	100	7-14	7	1-18	1-19	11	1-20	19	2-22	22	3-29	28	4-16	29	10-28	30	11-11	22	11-11	22	12-12	10	12-12	10	327	326	282	227	195		
DANVILLE CAA AIRPORT	98	6-18+	8	1-18	1-19	13	1-19	13	2-18	23	3-21	28	3-29	30	10-28	31	11-11	24	11-11	24	12-12	15	12-12	15	326	326	286	235	213		
DIAMOND SPRINGS	100	7-23	14	1-18	1-19	16	1-20	20	1-20	20	2-22	28	3-4	32	11-12	29	12-6	28	12-12	16	12-12	16	12-12	16	327	326	287	235			
ELKWOOD 8 SE	102	7-22	-10	1-18	2-18	15	2-22	19	3-5	24	4-16	27	4-16	27	10-12	31	10-13	28	11-7	24	11-11	16	11-11	16	266	262	247	180	179		
EPISCOPAL HIGH SCHOOL	-	-	-	-	1-19	11	1-24	19	2-20	21	3-5	26	4-15	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FALLS CHURCH	100	7-20+	0	1-18	1-20	13	2-20	3	3-4	22	3-31	27	4-16	31	10-13	32	11-11	26	11-12	20	11-12	20	12-6	15	320	265	253	225	180		
FARMVILLE	100	7-13+	1	1-18	2-22	16	2-22	16	3-31	23	4-16	25	5-5	30	10-13	24	10-13	24	10-13	24	11-11	15	11-11	15	262	262	196	180	161		
FLOYD	93	8-31	0	12-12	2-21	13	3-10	20	4-15	24	4-15	24	5-5	32	10-13	28	10-13	28	10-28	24	11-11	14	11-11	14	263	246	196	181	161		
FORT LEE	96	7-22+	0	1-18	1-19	3	1-20	19	2-22	22	3-11	28	4-16	30	10-13	32	11-10	24	11-10	24	11-11	20	12-12	16	326	295	261	244	180		
FREDERICKSBURG	101	7-22+	1	1-19	1-20	6	2-20	18	2-23	23	4-15	27	5-5	31	10-12	30	10-13	27	10-28	22	11-10	19	11-12	14	296	263	247	181	160		
GALAX	91	8-13	0	12-12	2-21	14	3-4	19	4-15	22	4-15	22	5-5	31	10-13	29	10-14	27	11-7	22	11-11	12	11-11	12	263	252	206	182	159		
GLEN LYN	96	6-16	4	1-17	1-19	6	2-21	17	3-4	21	4-15	25	4-15	25	10-21	31	10-28	26	11-10	24	11-11	14	11-11	14	296</						

Table 3--Continued

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1957

Station	Highest	Date	Lowest	Date	Last spring minimum of										First fall minimum of										Number of days between dates				
					16° or below		20° or below		24° or below		28° or below		32° or below		32° or below		28° or below		24° or below		20° or below		16° or below		16° or below	20° or below	24° or below	28° or below	32° or below
					Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.					
WILLIAMSBURG 2 N	99	7-22+	3	1-18	1-20	15	1-20	15	2-22	22	3-11	26	4-16	30	10-28	29	11-10	27	11-12	23	12-12	12	12-12	12	326	326	263	244	195
WINCHESTER 2 SSW	100	7-21	1	1-18	1-24	15	3-4	19	3-5	23	4-15	27	4-16	31	10-12	32	11-7	27	11-12	19	11-12	19	12-6	16	316	253	252	206	179
WISE 1 SE	89	8-13+	5	1-17	2-21	12	4-15	19	4-15	19	5-6	27	5-7	30	10-13	32	10-20	23	10-20	23	11-10	16	11-10	16	262	209	188	167	159
WOODSTOCK	-	-	0	1-17+	2-20	14	3-4	19	4-15	24	4-16	27	5-5	32	10-13	29	11-7	27	11-11	18	11-11	18	11-12	16	265	252	210	205	161
WYTHEVILLE	90	8-30+	0	12-12	2-21	15	3-4	20	4-15	23	4-15	23	5-6	32	10-12	32	10-21	26	11-7	24	11-10	20	11-11	13	263	251	206	189	159

TOTAL EVAPORATION AND WIND MOVEMENT

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
CHARLOTTESVILLE 1 W	EVAP	-	-	-	B5.77	6.66	6.40	8.80	B6.60	B3.89	B2.73	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	B1038	307	289	275	179	189	306	-	-	-	
	MAX	-	-	-	74.4	86.0	90.8	93.0	89.2	83.9	67.5	-	-	-	
HOLLAND 1 E	MIN	-	-	-	50.9	60.2	70.0	66.2	67.2	65.7	47.6	-	-	-	
	EVAP	-	-	-	B6.76	7.73	7.55	9.36	B7.18	5.07	B3.21	2.16	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	B2449	1974	1179	1011	1252	1140	1686	1681	-	-	
JOHN H. KERR DAM	EVAP	-	-	-	B5.76	6.34	7.19	8.29	B6.53	4.98	B2.58	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	B1853	1415	1505	1424	1235	1322	B1095	-	-	-	
	MAX	-	-	-	-	-	-	-	-	-	-	-	-	-	
PHILPOT DAM 2	MIN	-	-	-	-	-	-	-	-	-	-	-	-	-	
	EVAP	-	-	-	B5.14	6.00	B5.12	B6.90	B5.85	B4.09	B2.37	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	748	288	296	200	96	185	87	-	-	-	

† CHANGES IN STATION NAMES

NEW NAME

PALMYRA 1 E
PILOT 1 NE

OLD NAME

PALMYRA 2
PILOT

DATE

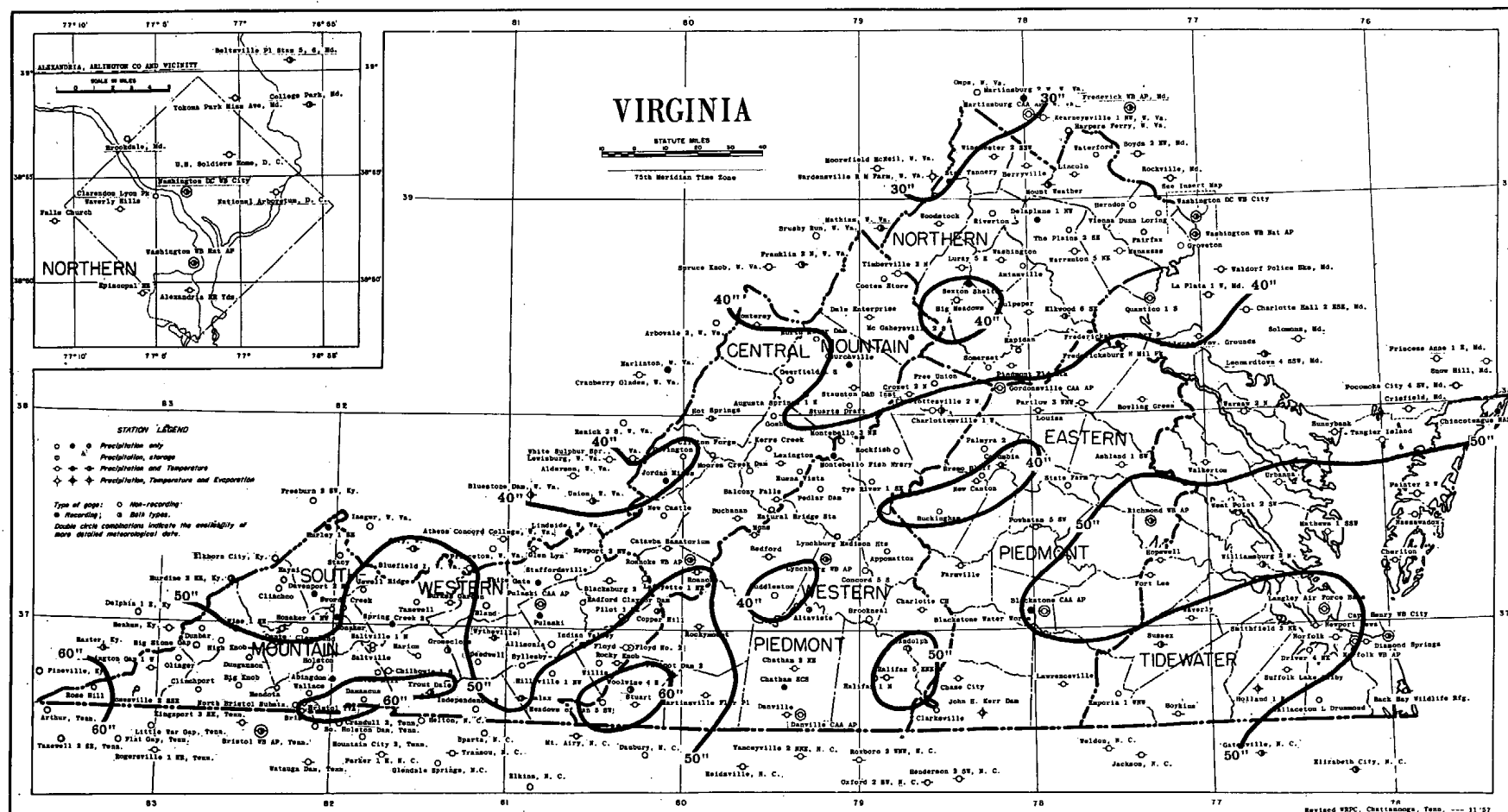
October 1957
January 1957

RELOCATION AND CHANGES IN EQUIPMENT

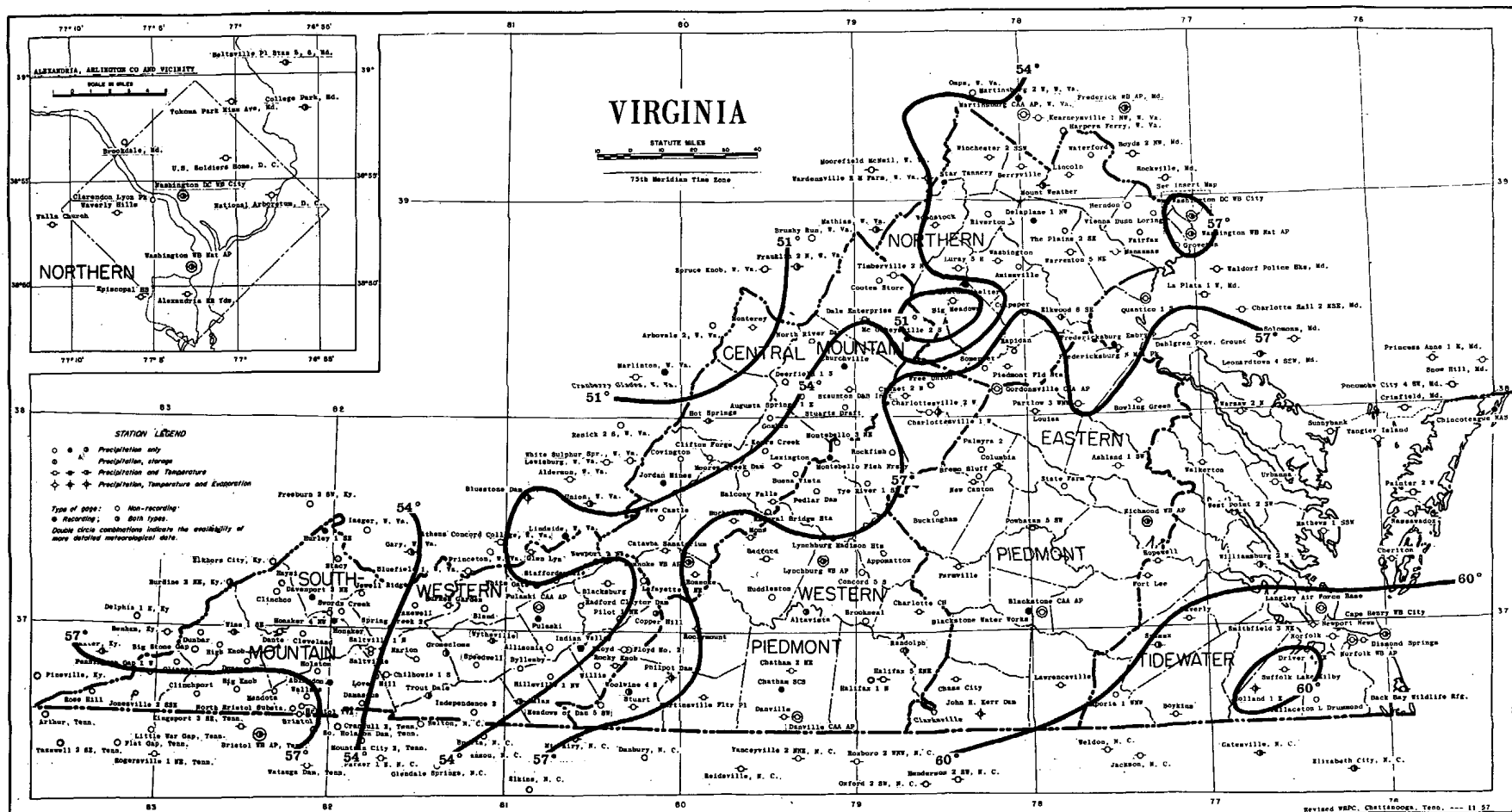
COPPER HILL
DANVILLE
DAVENPORT 2 NERecording gage added
All equipment moved 0.8 mile SE
Changed from rain gage to recording gageSeptember 23, 1957
March 23, 1957
July 19, 1957GALAX
HAYSRecording gage added
Changed from rain gage to recording gageSeptember 21, 1957
July 18, 1957HOPEWELL
LEXINGTON
LEXINGTON
NEW CASTLE
OLINGERAll 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 EApril 1, 1957
July 1, 1957
July 1, 1957
January 26, 1957
May 11, 1956PALMYRA
PALMYRA 1 E
PILOT 1 NE
POWHATAN 5 SW
PULASKIAll 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 gageApril 24, 1957
June 10, 1957
January 28, 1957
December 6, 1957
July 23, 1957SUNNYBANK
SWORDS CREEK
TYE RIVER 1 SE
WOOLWINE 4 SAll equipment moved 0.5 mile ESE
All equipment moved 700 feet SE
All equipment moved 0.3 mile NE
All equipment moved 15 feet WJanuary 1, 1957
October 11, 1956
September 18, 1957
July 31, 1957

TOTAL PRECIPITATION

VIRGINIA
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".



AVERAGE TEMPERATURE

VIRGINIA
1957

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

STATION INDEX

VIRGINIA
1957

Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Month opened	Month closed	Refer to tables
ABINGDON	0013	WASHINGTON	8 36 42	82 00	2000	16						2 C
AFTON BOXWOOD GARDENS	0055	NELSON	9 38 02	78 50	1250	27				SEPT		2 C
ALEXANDRIA POTOMAC YARDS	0097	PULASKI	13 58 49	77 03	20	20						1 2 3
ALLISONIA	0135	PULASKI	11 56 38	80 45	1870	6						2 C
ATLAVISTA	0166	CAMPBELL	15 37 06	79 18	503	12						2 C
AMISSVILLE	0149	RAPPAHANNOCK	14 38 41	78 01	590	14						2
APPOMATOX	0253	APPOMATOX	9 37 21	78 50	825	19						2
ASHLAND 1	0327	HANOVER	9 37 45	77 29	220	45						1 2 3
AUGUSTA SPRINGS 1 E	0356	AVULGUSTA	9 38 07	79 18	1820	5						1 2 3
BACK BAY WILDLIFE RFG	0411	PRINCESS ANNE	2 36 40	75 55	5	5						1 2 3
BALCONY FALLS	0901	ROCKBRIDGE	9 37 38	79 27	725	10						1 2 3
BEDFORD	0951	BEDFORD	11 36 18	77 29	219	43						1 2 3
BERRYVILLE	0670	CLARKE	16 39 09	77 59	580	6						1 2 3
BIG KNOB	0712	SCOTT	8 36 40	82 30	3150	22						1 2 3
BIG MEADOWS	0720	PAGE	14 38 31	78 26	3510	22						1 2 3
BIG STONE GAP	0733	WISE	6 36 52	82 46	1485	2						1 2 3
BLACKSUNG 2	0766	MONTGOMERY	11 37 14	80 25	2040	16						1 2 3
BLACKSTONE CAA AIRPORT	0778	NOTTOWAY	12 37 04	77 33	435	12						1 2 3
BLACKSTONE WATER WORKS	0780	NOTTOWAY	12 37 05	78 01	423	12						1 2 3
BLAND	0792	BLAND	11 37 06	81 07	2000	7						2 C
BOWLING GREEN	0937	CAROLINE	17 38 03	77 21	225	8						1 2 3
BOYKINS	0956	SOUTHAMPTON	10 36 35	77 12	40	4						1 2 3
BREMO BLUFF	0993	FLUVANNA	9 37 42	78 18	225	17						1 2 3
BRISTOL	1037	WASHINGTON	8 36 42	82 10	1998	24						1 2 3
BRISTOL TVA	1042	WASHINGTON	8 36 37	82 10	1920	9						2
BROOKLAND	1092	CAMPBELL	15 37 03	79 57	500	8						1 2 3
BUCHANAN	1121	BOTETOURT	9 37 32	79 41	875	39						1 2 3
BUCKINGHAM	1136	BUCKINGHAM	9 37 33	78 33	465	22						1 2 3
BUENA VISTA	1159	ROCKBRIDGE	9 37 44	79 21	835	20						1 2 3
BURKES GARDEN	1209	TAZEWELL	11 37 06	81 20	3250	60						2
BYLLES	1252	CARROLL	11 36 48	80 55	2075	14						1 2 3
CAFE HENRY WB CITY	1368	PRINCESS ANNE	2 36 36	75 55	83	18						1 2 3
CANABIA SANATORIUM	1471	ROANOKE	9 37 33	80 05	1890	46						1 2 3
CHARLOTTE COURT HOUSE	1593	CHARLOTTE	15 37 03	78 38	560	11						1 2 3
CHARLOTTESVILLE 2 W	1595	ALBEMARLE	9 38 02	78 31	870	14						1 2 3
CHARLOTTESVILLE 1 W	1598	ALBEMARLE	9 38 02	78 31	540	7						1 2 3 4 C
CHASE CITY	1606	MECKLENBURG	15 36 48	78 28	520	10						1 2 3
CHATHAM 2 NE	1634	PITTSYLVANIA	16 36 27	79 26	700	34						1 2 3
CHATHAM 2 SE	1639	PITTSYLVANIA	16 36 31	79 24	645	31						1 2 3
CHERITON	1636	NORTHAMPTON	2 37 17	75 58	11	21						30
CHILHOWIE 1 S	1675	SMYTH	8 36 47	81 41	2000	6						1 2 3
CHINCOTEAGUE NAS	1683	ACCOMAC	2 37 56	75 28	40	5						1 2 3
CHURCHVILLE	1746	MONTGOMERY	16 38 14	79 10	1475	33						1 2 3
CLARKSON LYON PARK	1757	ARLINGTON	16 38 08	78 55	225	35						2
CLARKVILLE	1768	MECKLENBURG	15 36 38	78 33	325	35						2
CLEVELAND	1776	RUSSELL	6 36 57	83 09	1540	24						2
CLIFTON HORGE	1801	ALLEGANY	9 37 49	79 50	1055	39						2
CLINCHCO	1808	DICKENSON	9 37 10	82 19	1350	7						2
CLINCHPO	1816	SCOTT	6 36 40	82 45	1260	62						2
COLUMBIA	1929	GOCHLAND	9 37 46	78 09	300	55						1 2 3
CONCORD 3 S	1925	CAMPBELL	15 37 17	78 58	650	8						2
COOTES STORE	1986	ROCKINGHAM	16 38 38	78 51	1070	13						2
COPPER HILL	1998	FLOYD	11 37 06	80 07	2770	17						2
COVINGTON	2041	ALLEGANY	9 37 48	80 00	1245	20						1 2 3
CORNET 2 N	2138	ALBEMARLE	9 38 05	78 42	750	15						2
CULPEPER	2156	CULPEPER	14 38 29	77 59	475	48						1 2 3
DAHLGREN PROVING GROUNDS	2195	KING GEORGE	13 38 20	77 02	18	38						1 2 3
DALE ENTERPRISE	2208	ROCKINGHAM	16 38 27	78 56	1350	75						1 2 3
DAMASCUS	2216	WASHINGTON	8 36 38	81 48	1950	31						1 2 3
DANTE	2237	RUSSELL	6 36 59	82 18	1765	39						1 2 3
DANVILLE	2245	PITTSYLVANIA	17 36 36	79 23	585	40						1 2 3
DANVILLE CAA AIRPORT	2250	PITTSYLVANIA	17 36 34	79 20	577	14						1 2 3
DARWIN	2264	DICKENSON	9 37 05	82 30	1500	9						1 2 3
DAVENPORT 2 NE	2289	BUCHANAN	9 37 07	80 16	1600	16						1 2 3
DEERFIELD 1 S	2315	AUGUSTA	9 38 10	79 22	1720	31						2 C
DELAWARE 1 NW	2326	FAUQUIER	13 38 59	77 56	595	12						1 2 3
DENBON 1 N	2346	SURRY	4 37 03	76 57	110	0						DEC
DIAMOND SPRINGS	2368	PRINCESS ANNE	5 36 54	76 12	25	49						1 2 3
DRIVER 4 NE	2506	NANSEMOND	2 36 41	76 28	8	17						2
DUNBAR	2536	WISE	6 36 58	82 45	1950	23						2
DUNBAR	2536	WISE	6 36 58	82 45	1950	23						2
DUNBAR	2536	WISE	6 36 58	82 45	1950	23						2
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DUNBAR	2536	WISE	6 36 58	82 45	1950	23						2
DUNBAR	2536	WISE										

REFERENCE NOTES

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 "F", precipitation and evaporation in inches, and wind movement in miles.

Evaporation is measured in the standard Weather 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 SEW, 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.

- No record.
- + Also later date (dates) or months.
- * Amount included in following measurement.
- # Thermometers are generally exposed in a shelter located a few feet above and covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- B Adjusted to a full month.
- C Data for recorder stations 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".
- E Amount is wholly or partially estimated.
- M 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.
- T Trace, an amount too small to measure.
- V 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 Climatological Data, obtained as indicated above, price 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, Government Printing Office, Washington 25, D. C.

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