

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

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CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1949

Volume LIX No. 13



VIRGINIA - 1949

S. S. Schworm, Section Director - Richmond

Weather Summary

The annual temperature, 57.6°, has been exceeded only twice and equalled once since 1891, however, there were no large departures from the normal temperature except in January and February. The average precipitation, 45.38 inches, was seven percent above normal.

These high lights of the year's weather are listed chronologically.

JANUARY - The fourth warmest January of record; the lowest temperature of the year (3°) occurred at Big Meadows on the 30th. (Equalled at same place on March 1st). Precipitation was well above normal; snowfall was little more than half of the usual amount. Sleet and glaze on the 30th-31st caused hazardous driving conditions in some north-central counties.

FEBRUARY - The third warmest of record and also somewhat drier than usual. Snowfall was less than half of the normal amount.

MARCH - Temperature approximately normal; precipitation somewhat deficient; snowfall very light. Moderate floods occurred in the James River below Scottsville and in the Roanoke River on the 23d-25th, with no material damage.

APRIL - April had a slight deficiency in temperature and a small excess in precipitation. A major flood occurred on the 13th-14th in the Jackson River and as far downstream in the James River as Buchanan, and there was a minor flood in the James River on the 14th-16th at and below Brems Bluff, but damage was negligible.

MAY - Temperature approximately normal; precipitation well above average. Temperatures fell below freezing at several stations in the Great Valley area on the 27th and 29th. It was an unusually violent month with many hail, wind, and electric storms. Those causing greatest damage: lightning on the 7th caused a \$150,000 fire at Timberville; hail and high winds in Albemarle County on the 9th destroyed an estimated 200,000 bushels of fruit, with crop, property, live stock, and poultry losses totalling \$300,000; on the 22nd at Lynchburg lightning and hail with stones up to 2-1/4 inches in diameter damaged power and telephone lines and several buildings; on the same day a tornado did a small amount of damage at Cauthornville. There was an earthquake on the 8th with slight surface shocks felt in portions of Buckingham, Fluvanna, Henrico and Chesterfield Counties.

JUNE - June was both warmer and wetter than usual. Rainfall distribution was extremely uneven. Big Meadows had a total of 17.13 inches, the greatest monthly amount for any station during the year, while Cardinal had only 1.10 inches. Severe flash floods occurred in the Little and North Rivers and Briery Run in the upper reaches of the Shenandoah River Basin during the night of the 17th and the early morning of the 18th. At North River Dam 7.25 inches of rain fell during the 24 hours ending at 8 A. M. of the 17th. Damage was heaviest in the Stokesville-Bridgewater area where three lives were lost. The total damage was more than \$2,100,000. On the 29th flash floods occurred in the Smith and Little Rivers in southern Virginia, causing the Roanoke River to rise to 11.2 feet above flood stage at Altavista, but only minor damage resulted.

JULY - July was well above normal in both temperature and precipitation. The highest temperature for the year, 102°, occurred at Danville Airport on the 28th. There were a few severe local storms but damage was not extensive; the worst was a windstorm at Newport News on the 13th which did about \$12,000 damage. Flash floods occurred in many small streams, particularly in Roanoke, Bedford, Floyd and Franklin Counties during the 15th-17th with no important damage.

AUGUST - August was very wet and slightly warmer than normal. Precipitation occurred somewhere in the State on every day except the 25th. The remnant of a hurricane passed northward over the Piedmont and inner Tidewater counties during the afternoon and night of the 28th. There was some damage over these entire areas but the greatest destruction was in Sussex and Richmond Counties. The total damage was estimated at \$200,000. Thunderstorms of cloudburst proportions, concentrated over the middle James River Basin on the 14th-15th produced extraordinarily rapid rise in the James River at and below Brems Bluff to a little above flood stages. Losses were small. A flash flood at Harrisonburg on the 15th inundated three blocks of the town and caused \$220,000 damage.

SEPTEMBER - September was cool and rather dry. Earth tremors were noted on the 16th-17th in Lee and Scott Counties.

OCTOBER - October was warm and dry until heavy showers began on the 25th which brought the total precipitation for the month to a little above normal.

NOVEMBER - November was generally pleasant and dry with temperature averaging near normal. A large percentage of the precipitation occurred in the first four days. Amissville reported a total of 0.46 inch which was the least monthly amount during the year. There was little snowfall.

DECEMBER - December was mild and dry with very little snowfall. There were only three cold spells and none that lasted more than two days.

The growing season for the State, based on the records for 91 stations, averaged 203 days, and ranged from 151 days at Chatham 4 N to 283 days at Fredericksburg. It was an exceptionally fine year for corn, hay and pastures. Corn yields were disappointing in some southern and central counties, but the average for the State exceeded all previous years. The hay crop was the best in many years. Late frosts killed most of the peaches and apples in the southern and southwestern counties, but in the chief commercial districts the fruit was of high quality though under average yield. Flue-cured tobacco got a poor start and matured early with low yields; dark-fired and sun cured types were better but were below average. Peanuts were a little under last year's bumper crop. Cotton made a poor showing. Soybeans did unusually well. Truck crops were generally good except that blight greatly reduced the supply of canning tomatoes. Excellent grazing continued through most of November. --- S.S.S.

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages--mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about \$250,000 per year between 1940 and 1944, and nearly \$375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about \$100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about \$25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U. S. Weather Bureau, Washington 25, D. C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

VIRGINIA
1949

Table 1

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual		
	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	Temp.	Departure	
ALEXANDRIA POTOMAC YDS	44.7	-	45.8	-	48.9	-	56.2	-	67.3	-	76.1	-	82.1	-	78.6	-	88.6	-	64.4	-	48.9M	-	43.0M	-	60.4	-	
ANNAPOLIS	40.6	-	42.9	-	43.5	-	51.8	-	54.8	-	72.9	-	75.2	-	75.2M	-	84.4M	-	60.3M	-	45.0	-	38.2	-	-	-	
ASHTON	45.9	8.9	43.9	7.6	44.0	-	54.0	1.7	64.0	1.7	72.0	1.0	78.6	1.9	78.9	1.9	85.6	3.4	61.2	3.3	45.8	1.6	41.2	-	-	-	
BALCONY FALLS	44.7M	-	45.3	-	-	-	52.4	-	63.7M	-	72.2M	-	72.9	-	72.9	-	83.2	-	59.0	-	46.0	-	38.5	-	-	-	
BACROFT	41.5M	-	-	-	-	-	54.0M	-	64.4M	-	72.9M	-	79.4M	-	75.5M	-	64.7M	-	61.1	-	45.3M	-	-	-	-	-	
BEDFORD	45.6	9.7	45.6	8.1	47.3	-	52.9	-	65.6	-	73.8	-	78.2	2.0	74.8	-	81.6	-	61.8	-	47.3	-	41.3	2.0	58.5	1.8	
BIG MEADOWS	36.9	8.2	36.0	6.8	38.0M	-	46.4	-	54.2M	-	63.8M	-	68.6M	2.3	65.1	-	74.5M	-	54.5M	-	37.7	-	33.1	3.3	49.6	1.8	
BLACKSBURG	43.0	9.1	41.7	7.1	44.3	-	51.6	-	61.8	-	70.9M	-	74.7	3.4	71.1	-	82.1	-	58.7	-	42.8	-	38.8	3.7	55.1	2.7	
BLACKSTONE AIRPORT	46.4	-	47.5	-	48.6	-	55.7	-	66.6	-	75.2	-	80.3	-	76.6	-	87.3	-	62.9	-	49.4	-	43.0	-	59.9	-	
BRISTOL	46.2	11.9	46.1	9.4	47.2	-	56.3	2.8	66.8	2.5	74.8	3.9	77.8	3.6	74.5	1.3	86.1	1.9	63.9	8.5	43.3	1.5	43.2	7.2	58.8	4.2	
BUCHANAN	45.1	8.4	45.0	5.1	47.1	-	54.5	-	65.3	-	73.2	-	77.4	1.5	74.1	-	85.1	-	61.4	-	46.0	-	40.4	1.9	57.9	1.2	
BUGGS ISLAND DAM	46.8	-	47.4	-	48.8	-	57.1	-	67.8	-	76.4	-	81.5	-	78.8	-	88.9M	-	64.8	-	48.0	-	43.1	-	60.6	-	
BURKES GARDEN	41.4	9.2	40.0	7.6	40.8	-	48.0	-	58.2M	-	65.5	-	68.6	1.1	65.5	-	75.2	-	56.0	-	40.4	-	36.9M	-	51.8	2.8	
CAMP LEE	46.1	-	47.4	-	48.8	-	55.0	-	65.9	-	74.3	-	80.0	-	76.3	-	87.3	-	62.7	-	48.6M	-	42.2	-	56.1	-	
CAKE HENRY	45.8	8.5	46.6	7.4	-	-	57.3	2.7	64.8	-	74.1	1.2	80.8	3.3	77.8	-	91.5	-	63.6	-	45.2	-	1.46.6	2.9	-	-	
CARDINAL	46.0M	-	47.4	-	48.8M	-	55.7	-	65.8	-	74.8	-	81.6M	-	78.7	-	89.0M	-	64.1M	-	47.1M	-	41.1M	-	60.0	-	
CATANEA SANATORIUM	43.4	6.7	42.9	3.9	43.8	-	52.2	-	62.2M	-	70.2	-	73.0	5.7	73.0	-	82.0	-	61.0	-	45.0	-	38.2	-	55.1	1.3	
CHARTILL	41.4	-	42.6	-	45.3	-	53.0	-	63.8	-	72.3	-	78.4	-	74.0	-	83.6	-	60.7	-	44.9	-	38.4	-	56.5	-	
CHARLOTTE COURT HOUSE	43.2M	-	45.5M	-	46.4M	-	55.7M	-	65.3M	-	74.3	-	79.4M	-	76.2M	-	86.0	-	60.7	-	44.9	-	42.3M	-	-	-	
CHATTOTTSVILLE 2 W	43.2M	6.8	44.3	6.9	48.4M	-	50.2	55.3	-	65.7	-	74.3	1.4	78.8	2.1	75.5	-	86.0	-	62.3	3.6	49.1	1.1	40.5	2.3	58.6	1.8
CHATHAM 4 N	45.3M	6.0	45.7M	4.1	46.3	-	54.6	1.4	65.1M	-	74.6	-	78.9	1.5	75.9M	-	86.0	-	62.7	-	43.8	-	40.7	-	7.58.9	1.0	
CHERITON	48.9M	8.0	48.1M	5.9	50.0M	-	58.2M	8.6	66.2M	-	75.9M	-	80.1M	4.8	79.1M	-	90.1M	-	66.5M	-	57.3	51.9M	2.2	62.0	2.2	-	-
CLARKSVILLE	46.2	8.7	46.5	6.2	48.0M	-	56.6	-	66.5	-	74.6	-	79.6	-	76.1	-	87.4M	-	63.1	-	45.6	-	42.6	-	-	-	
COLUMBIA	43.0	6.0	43.1	5.6	46.3M	-	53.9	-	64.0M	-	72.8	-	77.6	-	73.3	-	84.0M	-	60.7	-	49.2	-	-	-	-	-	
CROZET 2 N	45.7	-	46.0	-	48.1	-	55.5	-	64.8	-	74.0	-	78.8	-	77.6	-	87.3	-	63.0	-	49.2	-	-	-	-	-	
CULPEPPER	44.4M	9.7	44.8	8.5	47.2	-	54.6	-	65.1	-	74.0	-	79.4	3.7	74.9	-	86.0	-	61.2	-	49.7	-	40.8	5.8	58.3	3.1	
DANGLEREN PROV GROUND	42.8	6.3	44.0	6.6	46.3	-	53.1	-	63.4	-	71.4	-	76.1	-	72.7	-	83.2	-	62.4	-	45.8	-	41.9	-	58.5	2.1	
DALE ENTERPRISE	42.9	9.5	42.4	7.8	45.3	-	50.4	-	61.5	-	70.0	-	75.1	1.3	70.7	-	86.2	-	62.3	-	49.4	-	38.4	-	55.1	1.5	
DANTE	43.2	3.8	42.7	7.7	43.8	-	52.8	-	63.0	-	71.8	-	76.9	3.8	72.4	-	87.3	-	62.6M	-	46.1	-	38.6M	-	56.1	1.6	
DANVILLE	49.0M	9.8	48.4	5.4	50.3	-	58.9	-	68.3	-	77.3	-	82.0	1.0	77.6	-	92.6	-	63.9	-	49.7	-	43.3	1.5	61.0	1.3	
DANVILLE AIRPORT	47.3	-	47.4	-	49.7	-	56.4	-	68.5	-	76.3	-	80.1	-	76.7	-	87.6	-	62.7	-	47.8	-	41.7	-	60.2	-	
DEERWOOD SPRINGS	43.4	5.7	43.9	6.2	46.7	-	54.4	-	64.3	-	73.2	-	78.1	3.5	73.8	-	89.0	-	61.2	-	45.9	-	40.6	-	58.2	1.1	
DEERWOOD 7 S	43.6M	8.5	43.8M	8.5	45.9	-	52.3	-	63.8	-	72.3	-	77.1	3.0	74.6	-	86.1	-	62.4	-	45.7	-	38.2	-	57.5	1.7	
EMORY	42.8	5.4	-	-	-	-	55.8	-	65.7	-	74.7	-	80.7M	-	76.7	-	86.9	-	62.8	-	48.6	-	41.0	-	59.0	-	
EPISCOPAL HIGH SCHOOL	43.4	-	44.6M	-	47.4	-	55.8	-	65.7	-	74.7	-	80.7M	-	76.7	-	86.9	-	62.8	-	48.6	-	41.0	-	59.0	-	
FARMVILLE	47.0	8.7	47.9	9.2	48.5	-	54.8	-	65.8	-	74.1	-	78.0	1.8	75.9M	-	86.0	-	62.7	-	48.1M	-	41.5	2.5	-	-	
FLOYD	43.7	8.9	42.8	8.5	44.4	-	52.4	-	62.7	-	70.7	-	75.0	2.2	70.3	-	86.1	-	62.3	-	49.0	-	44.3	-	58.4	2.1	
FREDERICKSBURG	44.0	7.5	42.7	5.7	45.3	-	54.3	-	64.1	-	72.4	-	76.0	1.4	73.8	-	86.9	-	62.4	-	47.4	-	39.9M	-	58.1	1.7	
FRONT ROYAL 6 NW	40.7	-	41.2	-	43.6	-	51.4	-	62.5	-	71.3	-	77.3	-	72.8	-	82.3	-	59.5	-	44.6	-	38.3	-	55.5	-	
LYNN LYNN	43.6	7.4	42.8	6.9	43.3	-	52.5	-	63.2	-	72.7	-	76.6	2.2	72.6	-	86.6	-	63.0	-	47.3	-	43.3	-	58.6	1.3	
GORDONSVILLE 6 S	42.5	-	42.9	-	44.6	-	52.1	-	64.2	-	72.5	-	78.1	-	73.9	-	83.6	-	59.6	-	45.6	-	38.6	-	56.5	-	
GREENWAY DOWNS	40.6	-	41.2	-	43.8	-	51.9M	-	64.0	-	72.8	-	78.8	-	75.3	-	84.6	-	60.5	-	45.8	-	-	-	59.9	-	
HALIFAX	47.5	-	48.3	-	49.2	-	56.2	-	67.0	-	75.6	-	79.8	-	76.2	-	86.2	-	61.0	-	47.5	-	40.9	-	58.8	-	
HOLLAND 1 E	48.8	7.5	48.8	8.3	50.4	-	57.7	-	68.5	-	77.6	-	81.6	4.0	77.1	-	90.9	-	63.2	-	49.6	-	41.3	50.5M	5.0	-	
HOWELL	48.8	8.9	48.9	8.7	50.2	-	57.7	-	68.5	-	77.6	-	81.6	4.0	77.1	-	90.9	-	63.2	-	49.6	-	41.3	50.5M	5.0	-	
HOT SPRINGS	37.7	6.0	39.2M	6.6	42.9M	-	50.2	-	60.4	-	69.4	-	74.2	1.2	72.2	-	82.7	-	66.5	-	43.3	41.3M	1.1	35.5	2.1	52.3	1.5
LAWRENCE AIR FORCE BASE	47.7	7.2	48.9	7.9	49.9	-	57.4	-	68.7	-	77.9	-	82.1	1.6	77.7	-	87.3	-	61.1	-	45.5	-	38.1	61.8	2.9	-	
LAWRENCEVILLE	47.0	-	47.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEE EXP FOREST	44.7	-	44.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LEXINGTON	45.9	11.5	45.3	9.4	47.0	-	54.7	-	65.2	-	73.5	-	78.7	2.6	73.7	-	86.4	-	61.2	-	48.6	-	40.6	-	57.9	3.7	
LINCOLN	41.9M	8.5	42.7	8.7	46.8	-	55.2	-	65.3	-	73.8	-	78.9	3.1	75.8	-	86.1	-	62.4	-	51.4	-	46.6	-	58.0	3.1	
LOUISA	44.5	8.9	45.0	7.3	46.5	-	54.7	-	65.0	-	73.3	-	77.7	3.6	75.2	-	86.1	-	62.4	-	51.4	-	46.6	-	58.0	3.1	
LURAY	43.1M	-	43.5	-	43.8	-	51.7	-	62.1M	-	70.3	-	76.8	-	72.9	-	82.8	-	59.1	-	44.9	-	38.5	-	55.8	-	
LYNCHBURG WB AIRPORT	45.4	9.7	45.4	7.1	46.9	-	54.2	-	64.4	-	73.7	-	78.9	1.7	77.8	-	87.3	-	61.7	-	45.6	-	40.6	-	58.2	2.2	
MANASSAS 4 S	42.6M	-	41.7M	-	44.5M	-	53.6	-	63.6M	-	71.3M	-	79.1M	-	75.3M	-	86.7M	-	63.7M	-	47.7M	-	40.6	-	58.2	2.2	
MARTINSVILLE FILT PLANT	44.6	6.3	42.5	2.2	43.8	-	53.1	-	64.3	-	72.7	-	77.1	1.6	73.6	-	82.1	-	58.0	-	43.2	-	44.8	-	56.4	1.3	
MONROE	40.9M	-	41.3M	-	43.8	-	53.3	-	64.7	-	73.3M	-	77.5	-	73.8	-	83.0	-	58.3M	-	43.5M	-	35.8M	-	53.0	-	
MONTICELLO	39.1	-	39.0	-	40.5	-	49.5	-	59.5	-	69.5	-	74.5	-	70.5	-	80.5	-	60.5	-	40.5	-	35.8	-	53.0	-	
MONTEREY	39.3	-	37.5	-	36.7	-	46.1	-	56.4	-	66.4	-	71.4	-	67.3	-	77.3	-	60.7	-	40.5	-	35.8	-	53.0	-	
MOUNT JACKSON	42.7	-	42.9	-	44.2	-	50.5	-	62.1	-	71.4	-	76.5	-													

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1949

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	4.05	-	3.29	-	4.13	-	4.19	-	2.95	-	2.96	-	13.02	-	9.09	-	2.11	-	2.67	-	2.74	-	3.29	-	54.49	-
APTON BOXWOOD GARDENS	4.22	.79	-	-	3.34	.04	1.77	-	5.02	1.17	-	-	3.11	-1.68	7.57	2.46	1.55	-2.33	3.35	-	1.32	-1.47	-	-	-	-
ALEXANDRIA POTOMAC YDS	4.67	-	-	-	3.00	-	2.20	-	5.09	-	2.56	-	4.08	-	4.25	-	3.59	-	3.14	-	0.86	-	1.96	-	-	-
ALTA VISTA	3.66	-	1.96	-	1.32	-	3.37	-	4.94	-	7.48	-	6.02	-	5.77	-	4.18	-	4.57	-	1.64	-	2.08	-	46.99	-
AMISVILLE	3.76	-	2.17	-	2.37	-	3.70	-	5.41	-	3.68	-	5.43	-	7.31	-	2.11	-	4.22	-	0.46	-	1.59	-	42.21	-
ANNANDALE	4.91	-	3.11	-	3.22	-	3.43	-	4.51	-	3.13	-	-	-	3.60	-	3.35	-	3.39	-	0.74	-	2.17	-	-	-
APPOMATTOX	4.71	-	2.57	-	2.93	-	3.28	-	5.40	-	5.86	-	5.51	-	4.12	-	5.44	-	5.10	-	1.56	-	3.94	-	50.42	-
ASHLAND	4.00	.97	2.90	.03	2.35	-1.14	2.13	-1.44	3.97	.12	6.26	2.12	2.68	-2.04	7.08	2.41	1.87	-1.44	6.05	2.98	3.59	1.30	-	-	-	-
BACON MR FAIRFAX	4.35	-	2.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BALCONY FALLS	4.36	.54	1.41	-1.26	2.90	-.65	5.74	2.37	4.89	1.07	-	-	6.73	2.60	5.63	.95	3.71	.22	2.48	-.94	1.22	-1.70	2.39	-.84	-	-
BARCROFT	-	-	-	-	-	-	3.62	-	-	-	2.84	-	-	-	9.44	-	4.45	-	3.19	-	0.78	-	-	-	-	-
BEDFORD	4.88	1.71	2.43	-.86	5.19	1.38	5.36	2.21	4.56	.69	5.08	.80	6.21	1.99	5.20	.25	2.33	-1.00	2.71	-.41	1.26	-1.42	2.34	-.87	47.55	4.47
BERRYVILLE	3.81	-	2.10	-	2.74	-	3.37	-	5.24	-	2.29	-	6.40	-	6.03	-	2.15	-	2.87	-	0.86	-	2.63	-	-	-
BIG KNOB	4.27	-	3.22	-	3.22	-	4.04	-	2.38	-	1.99	-	6.70	-	6.21	-	1.37	-	3.74	-	1.63	-	2.74	-	41.51	-
BIG MEADOWS	4.74	1.18	2.47	-.32	-	-	2.77	-1.19	4.90	.75	17.13	12.88	8.26	2.79	8.68	3.38	4.30	-.45	5.06	-.01	1.09	-2.77	2.57	-.70	-	-
BIG MEADOWS NO 2	4.21	-	1.83	-	2.37	-	2.73	-	4.46	-	9.39	-	7.70	-	9.23	-	3.42	-	4.85	-	2.53	-.22	2.07	-1.37	47.65	4.69
BLACKSBURG	4.50	1.21	2.95	-.13	2.85	-1.03	5.72	2.53	4.12	.44	5.03	.45	6.57	1.37	5.47	1.37	2.51	-.70	3.33	-.33	2.53	-.22	2.07	-1.37	47.65	4.69
BLACKSTONE AIRPORT	2.71	-	2.88	-	1.93	-	2.54	-	4.71	-	6.18	-	3.72	-	9.18	-	3.52	-	3.05	-	1.75	-	1.34	-	43.51	-
BRIMO BLUFF	5.28	-	2.91	-	3.59	-	3.02	-	2.85	-	2.39	-	5.66	-	9.43	-	3.27	-	3.55	-	1.68	-	2.12	-	45.75	-
BRISTOL	3.54	.61	2.43	-.98	3.59	-.63	4.55	1.59	2.28	-.77	2.56	-1.70	9.55	4.45	7.24	3.44	1.95	-.33	4.61	2.67	2.83	-.11	3.23	-.28	48.36	8.20
BRISTOL NEAR	3.40	-	3.05	-	3.10	-	4.26	-	4.00	-	2.04	-	10.05	-	7.45	-	1.95	-	3.34	-	2.78	-	3.14	-	48.56	-
BUCHANAN	5.14	1.49	2.17	-.55	3.02	-.40	4.09	.89	6.28	2.82	4.18	-.18	6.00	1.56	4.65	-.16	4.64	1.49	3.08	-.63	1.80	-.89	2.49	-.72	47.54	4.82
BUENA VISTA	4.75	2.24	1.71	-.39	2.29	-.25	4.16	1.71	3.60	-.04	4.06	.87	5.78	1.54	-	-	-	-	-	-	-	-	-	-	-	-
BURKS ISLAND DAM	2.08	-	3.16	-	2.53	-	2.93	-	4.13	-	3.40	-	3.48	-	7.14	-	2.87	-	2.42	-	4.03	-	2.02	-	41.76	-
BURKES GARDEN	2.63	-1.05	2.62	-.96	2.22	-2.41	5.29	1.69	4.08	-.05	3.91	-.79	7.38	2.76	6.60	2.18	2.32	-1.01	1.72	-1.23	4.33	1.45	3.11	-.41	46.21	.17
BYLESBY	3.32	-	2.02	-	2.25	-	4.36	-	3.48	-	11.00	-	5.23	-	1.18	-	3.13	-	2.64	-	1.80	-	1.32	-	40.71	-
CAPE HENRY	2.42	-	2.47	-	1.53	-	2.67	-	4.17	-	5.03	-	4.30	-	8.85	-	2.74	-	2.63	-	2.38	-	1.32	-	40.71	-
CARDINAL	1.48	-1.67	3.71	.48	2.74	-1.13	1.37	-1.93	3.23	-.34	2.08	-1.87	4.30	-1.07	10.49	5.63	4.67	1.81	2.11	-.90	2.70	-.34	1.77	-1.57	47.55	-2.22
CATAWA SANATORIUM	2.09	-	4.08	-	1.97	-	2.01	-	4.56	-	1.10	-	3.57	-	7.14	-	2.87	-	2.42	-	4.03	-	2.02	-	41.76	-
CHATHAM 4 N	4.11	1.17	1.96	-.83	2.64	-.85	4.52	2.38	2.28	-.49	11.33	6.58	5.57	1.16	7.91	3.16	1.65	-1.81	3.97	.30	1.75	-.67	1.99	-1.03	51.28	9.07
CHATHAM SCS	3.63	-	2.14	-	2.19	-	4.68	-	3.82	-	3.81	-	3.77	-	6.59	-	1.52	-	5.56	-	1.82	-	1.81	-	41.34	-
CHERTON	-	-	5.72	2.70	2.40	-1.18	2.22	-1.32	4.04	.97	1.55	-1.88	2.96	-2.10	4.74	.25	1.77	-2.66	1.82	-1.22	4.25	1.37	-	-	-	-
CHINCOTRAGUE	-	-	2.94	-	1.13	-	1.19	-	2.28	-	2.85	-	5.72	-	-	-	2.17	-	3.39	-	0.60	-	1.75	-	44.11	-
CHURCHVILLE	4.54	-	1.13	-	1.59	-	3.16	-	5.29	-	8.15	-	5.72	-	6.62	-	4.52	-	7.8	-	-	-	-	-	-	-
CLARENDON LYON PARK	5.08	1.78	3.18	.60	2.95	-.05	3.27	-.09	5.85	2.08	2.66	-.81	4.53	.60	-	-	-	-	-	-	-	-	-	-	-	-
CLARKSVILLE	2.59	-.70	3.22	-.15	-	-	6.47	2.60	5.39	1.52	2.72	1.28	8.55	3.92	5.03	1.95	3.53	.72	2.41	.20	2.06	-1.44	-	-	48.09	-
CLEVELAND	3.76	-	2.84	-	3.29	-	4.14	-	3.91	-	4.65	-	7.27	-	5.19	-	1.82	-	4.60	-	3.28	-	3.34	-	48.09	-
CLIFFTON FORGE	4.68	1.64	2.24	-.76	1.99	-1.78	3.76	1.14	5.88	2.30	4.55	1.20	2.93	-.81	10.21	6.23	3.18	.42	4.45	1.18	2.14	-.82	2.49	-.14	48.53	9.90
CLINCHPORT	5.23	.79	2.87	-1.16	4.90	-.09	5.21	1.37	1.72	-2.35	2.75	-1.81	8.60	3.63	6.13	1.46	2.27	-1.08	4.52	1.78	2.61	-.31	3.61	-1.01	50.42	1.22
COLUMBIA	4.86	1.51	2.74	-	3.02	-.57	2.24	-1.23	-	-	3.42	-.32	4.46	.20	6.11	1.88	3.39	-.42	3.98	.69	1.81	-.52	2.12	-1.03	-	-
COOPER STORE	2.19	-	-	-	-	-	3.44	-	7.12	-	5.44	-	9.14	-	5.56	-	1.75	-	2.43	-	1.81	-	1.32	-	-	-
COPPER HILL	2.16	-	-	-	3.53	-	6.69	-	4.95	-	15.49	-	6.98	-	12.85	-	4.33	-	3.68	-	2.58	-	2.37	-	-	-
COVINGTON	4.25	1.72	2.22	.06	1.75	-.79	5.26	3.14	2.74	-.60	4.51	1.17	2.71	-1.01	6.75	3.32	3.56	1.18	3.48	1.21	2.11	-.13	2.70	.80	42.04	10.07
CROZET 2 N	5.81	-	1.63	-	3.32	-	3.30	-	3.60	-	5.16	-	8.93	-	9.87	-	2.64	-	4.10	-	1.21	-	-	-	-	-
CULPEPER	4.98	1.99	1.88	-.52	3.34	-.44	3.93	.57	6.78	2.76	6.05	1.08	6.93	3.11	4.93	.03	1.97	-1.27	2.81	-.35	-	-	2.01	-1.11	-	-
DARLENGEN PROV GROUND	5.20	2.35	2.51	.02	2.85	-.50	2.33	-1.08	5.52	2.38	3.88	.01	7.29	3.05	4.14	-1.00	3.14	.45	2.60	.21	0.63	-1.32	1.92	-1.17	42.01	3.41
DALE ENTERPRISE	3.65	1.01	1.43	-.80	1.38	-1.53	3.01	.19	4.68	1.16	6.33	1.54	5.19	.78	8.79	4.61	1.28	-1.28	3.27	.57	1.14	-.82	1.84	-.75	41.99	4.66
DAMASCUS	3.24	-.13	2.92	-.74	3.53	-.39	4.83	1.48	3.28	-1.04																

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1949

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
LEE EXP FOREST	4.48	-	2.98	-	-	-	3.23	-	3.04	-	-	-	6.35	-	-	-	-	-	-	-	-	-	-	-	-	-
LEESBURG	5.13	-	3.57	-	2.17	-	3.42	-	4.24	-	2.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEXINGTON	5.65	2.66	2.08	-.59	2.54	-.89	3.79	-.85	3.50	-.18	5.44	1.32	5.50	1.61	4.59	-.50	2.83	-.09	3.46	-.33	1.77	-.38	2.24	-.87	43.39	4.81
LINCOLN	5.31	2.31	2.69	-.08	1.71	-1.37	3.35	-.04	5.11	1.51	2.29	-2.44	5.59	2.15	5.54	1.28	3.49	-.85	3.27	-.26	1.30	-1.05	3.21	-.47	42.86	4.09
LOUISA	5.32	2.20	2.34	-.30	3.42	-.04	3.16	-.02	3.24	-.58	2.64	-1.50	7.98	3.58	6.81	2.31	2.27	-.80	2.91	-.37	1.78	-.48	2.11	-.97	43.98	3.15
LOVES MILL	3.00	-	3.13	-	3.17	-	4.74	-	3.95	-	1.97	-	5.48	-	5.49	-	1.58	-	4.32	-	3.65	-	1.89	-	42.37	-
LURAY	3.47	-	1.95	-	1.58	-	4.00	-	6.07	-	9.23	-	6.62	-	7.03	-	2.12	-	3.38	-	0.83	-	1.67	-	47.95	-
LYNCHBURG 7TH ST BRG	4.24	-	2.69	-	3.48	-	3.25	-	6.77	-	6.22	-	3.53	-	4.33	-	4.05	-	2.54	-	1.04	-	2.16	-	44.52	-
LYNCHBURG WB AIRPORT	4.45	1.02	2.50	-.65	4.99	-.05	3.91	-.96	3.84	-.21	8.50	4.71	4.07	-.14	4.03	-.25	2.68	-.63	2.83	-.32	1.20	-1.13	2.31	-.95	43.81	3.28
MANASSAS 4 S	4.79	1.67	2.68	-.41	2.76	-.30	-	-	5.29	1.65	3.12	-.48	6.17	2.36	5.26	-.34	2.58	-.00	3.31	-.80	-	-	-	-	-	-
MANION NR FAIRFAX	4.46	-	2.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MARSHALL	2.97	-	2.69	-	2.62	-	4.05	-	5.05	-	5.08	-	5.40	-	7.29	-	1.44	-	2.89	-	3.92	-	1.95	-	45.35	-
MARTINSVILLE FILT PL	4.23	-	2.01	-	1.83	-	3.83	-	3.82	-	4.90	-	2.25	-	5.91	-	2.33	-	3.67	-	0.90	-	2.14	-	37.82	-
MARTINSVILLE FILT PL	4.56	-.42	2.56	-.93	2.60	-1.73	3.78	-.18	6.57	2.96	3.73	-.52	4.28	-1.92	6.90	1.61	3.61	1.37	3.74	-.29	1.36	-1.60	1.91	-1.66	45.70	-1.53
MCGAHEYSVILLE 3 S	3.59	-	-	-	1.56	-	2.25	-	5.14	-	3.75	-	4.25	-	6.18	-	2.42	-	3.11	-	-	-	1.83	-	-	-
MENDOTA	4.49	-.30	3.17	-.51	4.44	-.07	4.13	-.45	2.12	-1.81	1.69	-2.71	11.75	6.48	8.16	3.75	2.98	-.07	4.55	1.66	-	-	2.92	-.91	-	-
MONS	4.86	-	2.55	-	4.09	-	6.80	-	8.17	-	7.96	-	11.50	-	8.38	-	2.99	-	3.57	-	1.55	-	2.96	-	65.38	-
MONTERELLO	3.84	-.20	2.57	-.19	3.04	-.16	4.63	-.86	3.65	-1.71	9.74	4.22	4.69	-.72	5.78	-.07	4.30	-.04	4.33	-.20	3.02	-.43	2.84	-.46	52.43	1.78
MONTERELLO FISH NURS	1.80	-	-	-	-	-	-	-	3.84	-	14.58	-	4.99	-	8.25	-	4.58	-	3.78	-	2.16	-	3.21	-	-	-
MONTEREY	2.73	-.77	1.83	-1.08	1.82	-2.46	4.36	1.03	4.26	-.18	5.54	1.05	7.67	2.85	5.99	1.55	1.67	-.97	2.70	-.52	2.27	-.12	2.80	-.50	43.64	-.11
MOORES CREEK DAM	-	-	-	-	-	-	-	-	3.30	-.44	3.85	-.80	3.04	-1.57	-	-	1.30	-2.16	-	-	-	-	-	-	-	-
MOUNT JACKSON	3.35	-.98	1.69	-.04	1.12	-1.19	2.17	-.01	5.55	-.64	4.50	-.89	3.96	-1.19	6.53	2.02	1.20	-1.64	1.47	-.91	3.54	-.87	2.09	-.02	36.17	-.34
MOUNT WEATHER	4.42	1.46	2.23	-.09	1.44	-1.41	2.67	-.97	4.74	-.94	4.73	-.47	1.80	-1.86	5.43	-.99	2.22	-1.00	3.48	-.23	1.28	-1.18	2.80	-.22	37.24	-2.66
NATURAL BRIDGE STATION	3.47	-	2.89	-	2.49	-	5.01	-	4.00	-	5.66	-	7.10	-	8.02	-	2.21	-	2.75	-	1.98	-	3.09	-	48.67	-
NEW CANTON	5.35	1.80	2.72	-.23	3.75	-.08	2.82	-.50	2.88	-.54	2.71	-1.02	6.15	2.26	8.05	3.12	3.23	-.20	3.56	-.38	1.61	-.74	2.18	-1.12	45.01	3.53
NEW CASTLE	4.12	1.41	2.53	-.00	2.10	-.71	4.33	2.08	3.68	-.40	4.04	-.34	4.13	-.22	4.75	-.20	2.27	-.54	2.79	-.04	1.76	-.42	2.82	-.47	39.31	1.83
NEWPORT	4.11	-	2.99	-	-	-	4.72	-	2.41	-	5.26	-	4.75	-	5.91	-	1.45	-	2.30	-	2.11	-	2.01	-	-	-
NEWPORT NEWS	1.79	-	5.40	-	2.55	-	1.88	-	5.64	-	2.15	-	5.77	-	7.31	-	4.62	-	1.96	-	4.51	-	2.28	-	45.36	-
NORFOLK WB AIRPORT	1.60	-	4.38	-	2.90	-	1.66	-	5.42	-	2.84	-	6.11	-	9.35	-	3.01	-	2.34	-	3.39	-	2.49	-	45.48	-
NORFOLK WB CITY	1.62	-1.48	4.27	1.05	2.85	-.92	1.71	-1.52	5.42	1.61	2.57	-1.65	6.35	-.60	14.51	9.29	2.06	-1.17	2.29	-.75	3.51	1.35	2.10	-1.24	49.26	5.17
NORTH BRISTOL SUBSTA	3.34	-	2.65	-	3.40	-	4.18	-	3.21	-	2.43	-	11.80	-	6.67	-	2.12	-	3.18	-	2.73	-	3.19	-	48.90	-
NORTH RIVER DAM	4.05	1.21	1.79	-.51	-	-	4.33	1.22	3.36	-.65	13.18	8.95	8.50	2.97	9.37	4.73	2.24	-1.05	2.32	-.94	2.42	-.12	2.07	-.36	-	-
OLINGER	5.98	-	3.01	-	4.82	-	3.64	-	4.17	-	2.63	-	6.52	-	6.51	-	1.66	-	6.67	-	2.67	-	4.91	-	53.19	-
ORANGE 1 S	2.33	-	4.21	-.55	-	-	1.97	-1.29	3.52	-.30	2.93	-.41	1.96	-2.32	-	-	1.83	-1.28	3.09	-.79	3.33	1.67	1.39	-2.29	-	-
ORANGE 1 SW	5.21	2.18	1.57	-1.03	3.05	-.14	3.24	-.10	3.97	-.31	3.87	-.89	6.89	2.29	6.83	2.21	4.07	-.81	3.10	-.02	0.78	-1.66	2.46	-.75	45.04	3.25
PEDLAR DAM	5.52	2.55	2.05	-.76	3.20	-.04	4.00	-.57	4.55	-.38	5.69	1.49	7.75	2.41	5.69	-.47	3.83	-.64	2.65	-.51	1.32	-1.60	4.26	-.80	50.51	5.46
PENNINGTON GAP 1 W	6.33	1.06	2.65	-2.17	5.01	-.38	-	-	7.26	-.43	4.73	-.43	7.71	2.19	7.02	2.53	2.43	-.06	6.29	3.75	3.30	-.46	4.68	-.64	57.41	-8.39
PHILOTT DAM	4.52	-	2.43	-	2.92	-	6.46	-	7.87	-	-	-	7.16	-	11.03	-	2.35	-	2.99	-	1.42	-	2.63	-	-	-
PIEDMONT FIELD STATION	4.82	-	2.14	-	2.77	-	2.92	-	-	-	5.18	-	6.93	-	6.26	-	3.25	-	2.30	-	2.90	-	2.63	-	-	-
PILLOT	-	-	-	-	-	-	1.52	-	1.52	-	3.75	-	5.84	-	5.37	-	3.37	-	2.37	-	2.15	-	1.73	-	-	-
PINNACLES MEADOWS/DAN	4.11	-.34	3.12	-.30	5.80	1.42	6.42	2.41	4.83	-.05	7.99	1.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POOR MOUNTAIN	-	-	-	-	-	-	-	-	-	-	4.87	-	6.28	-	10.86	-	2.00	-	3.97	-	2.25	-	1.82	-	-	-
PULASKI	3.08	-	2.44	-	2.35	-	5.04	-	3.06	-	5.31	-	9.49	-	9.16	-	1.05	-	3.48	-	1.33	-	2.68	-	48.47	-
PULASKI AIRPORT	3.93	-	2.40	-	2.26	-	6.93	-	2.46	-	5.33	-	7.31	-	10.30	-	0.96	-	3.87	-	2.75	-	2.43	-	50.93	-
QUANTICO 1 S	5.19	2.11	2.24	-.40	2.69	-.63	2.48	-.77	5.24	2.11	2.39	-1.43	4.88	-.89	4.87	-.41	2.87	-.13	2.64	-.32	1.08	-1.02	2.00	-.83	39.55	-.01
RADFORD	3.19	-.09	2.41	-.20	1.89	-1.25	4.99	1.81	3.91	-.74	4.88	1.41	5.16	-.85	9.33	6.21	2.16	-.51	2.93	-.05	2.49	-.53	2.03	-.85	44.87	8.78
RANDOLPH	2.44	-1.33	2.43	-.75	2.72	-.98	3.06	-.29	4.30	-.67	3.62	-.24	-	-	7.84	3.52	3.21	-.45	6.00	3.13	1.91	-.45	1.84	-1.42	-	-
RAPIDAN	4.49	-	1.51	-	2.60	-	3.47	-	3.47	-	4.73	-	5.74	-	5.14	-	4.24	-	2.88							

TEMPERATURE EXTREMES AND FREEZE DATA

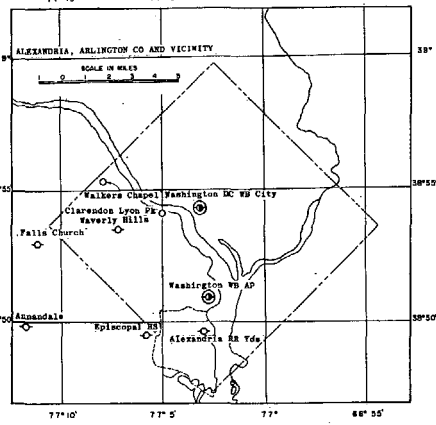
VIRGINIA
1949

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
ALEXANDRIA POTOMAC YDS	99	7- 5+	18	12-17	3-19 (24°)	3-19 (24°)	3-28 (31°)	11- 7 (29°)	11-25 (25°)	12- 4 (24°)	260	251	228
ANNANDALE	-	-	12	12-16+	3-20 (23°)	3-20 (23°)	3-21 (28°)	10-27 (32°)	11- 6 (24°)	11- 6 (24°)	231	231	220
ASHLAND	97	8-10	-	-	3-19 (23°)	3-19 (23°)	4-17 (30°)	11- 6 (26°)	11- 6 (26°)	11-22 (22°)	248	232	203
BALCONY FALLS	-	-	13	3- 1+	3-20 (24°)	3-20 (24°)	4-20 (30°)	11- 6 (28°)	11- 6 (28°)	11-23 (20°)	248	231	200
BARCROFT	97	7- 5	-	-	3-14 (24°)	3-14 (24°)	4-17 (31°)	11- 6 (25°)	11- 6 (25°)	11-23 (20°)	254	237	203
BEDFORD	98	8-12	10	12-17	3-20 (23°)	3-21 (25°)	4-19 (30°)	10-20 (32°)	11-15 (28°)	11-22 (20°)	247	239	184
BIG MEADOWS	89	8-13	3	1-30+	4-17 (18°)	4-19 (26°)	5-29 (32°)	9-30 (32°)	11- 1 (28°)	11- 4 (24°)	201	196	133
BLACKSBURG	92	7-28	10	3- 1	3-20 (22°)	4-17 (26°)	4-25 (31°)	10-27 (31°)	11- 5 (28°)	11-19 (23°)	244	202	185
BLACKSTONE AIRPORT	99	7-25+	18	12-17	3-16 (21°)	3-20 (27°)	4-17 (30°)	11- 6 (28°)	11- 6 (28°)	11-23 (24°)	252	231	203
BRISTOL	96	7- 4	14	3-16	3-16 (14°)	4-17 (25°)	4-25 (31°)	-	-	-	-	-	-
BUCHANAN	97	7-28	10	12-17	3-16 (20°)	4-10 (28°)	4-25 (30°)	11- 2 (30°)	11- 6 (25°)	11-22 (20°)	251	210	191
BUGGS ISLAND DAM	99	7-29	16	12-17	3-23 (16°)	3-19 (27°)	3-21 (31°)	11- 5 (32°)	11- 6 (27°)	12- 3 (18°)	255	232	229
BURKES GARDEN	88	7-27	6	12-16	4-10 (21°)	5-29 (27°)	5-30 (32°)	9-25 (29°)	11- 4 (27°)	11- 6 (21°)	210	159	118
CAMP LEE	97	6-27+	16	12-17	3-16 (17°)	3-16 (17°)	4-17 (32°)	11- 6 (27°)	11- 6 (27°)	12- 3 (23°)	232	235	203
CAPE HENRY	96	7-22	27	3- 1	-	-	3- 3 (30°)	11-22 (31°)	3- 1 (27°)	None	-	-	264
CARDINAL	97	7-25	-	-	3-19 (22°)	3-20 (28°)	3-20 (28°)	11- 6 (31°)	11-19 (26°)	11-23 (21°)	249	244	231
CATAWBA SANATORIUM	90	7- 7+	14	3- 1	3-20 (21°)	3-20 (21°)	5-29 (32°)	9-25 (31°)	11-17 (25°)	11-22 (20°)	247	242	119
CHANTILLY	98	7- 4	10	2- 3	3-20 (23°)	3-20 (23°)	4-29 (31°)	10-27 (31°)	11- 6 (24°)	11- 6 (24°)	231	231	119
CHARLOTTE COURT HOUSE	-	-	-	-	3-19 (23°)	3-21 (25°)	4-20 (31°)	11-18 (28°)	11-18 (28°)	11-23 (24°)	249	242	212
CHARLOTTESVILLE 2 W	-	-	-	-	3-20 (24°)	3-20 (24°)	4-17 (32°)	11- 6 (31°)	11-22 (26°)	11-23 (24°)	248	247	203
CHATHAM 4 N	98	7-28+	13	12-17	3-20 (23°)	3-21 (26°)	4-17 (31°)	11- 6 (27°)	11- 6 (27°)	11-23 (23°)	248	230	203
CHERTON	99	6-25+	-	-	3-19 (28°)	3-19 (28°)	3-19 (28°)	11-23 (26°)	-	-	249	249	-
CLARKSVILLE	99	7-28+	12	12-18	2-12 (21°)	2-24 (28°)	2-27 (30°)	11- 6 (24°)	11- 6 (24°)	11- 6 (24°)	268	256	253
COLUMBIA	98	7- 6+	-	-	3-20 (23°)	3-21 (27°)	4-25 (30°)	11- 6 (25°)	11- 6 (25°)	11-18 (24°)	243	230	195
CROZET 2 N	96	8-11	-	-	3-20 (22°)	3-21 (28°)	4-17 (30°)	11- 6 (29°)	11-22 (27°)	11-23 (22°)	248	246	203
CULPEPER	97	7-28	13	12-17	3-19 (23°)	3-22 (29°)	3-22 (29°)	11- 6 (28°)	11- 6 (28°)	11-23 (19°)	249	229	229
CAHNGEN PROV GROUND	96	7- 6	17	12-17	3- 4 (24°)	3-19 (26°)	3-21 (30°)	11- 6 (31°)	12- 3 (26°)	12- 3 (23°)	250	259	230
DALE ENTERPRISE	93	6- 6	11	12-16	3-20 (17°)	4-20 (28°)	4-29 (32°)	11- 2 (31°)	11- 6 (25°)	11-22 (23°)	247	200	187
DANVILLE	101	6-26+	12	12-15	3-17 (18°)	3-20 (25°)	4-25 (30°)	11- 3 (31°)	11- 6 (26°)	11-19 (22°)	247	231	192
DANVILLE AIRPORT	102	7-28	14	12-17	3-16 (24°)	3-20 (28°)	4-17 (30°)	11- 4 (32°)	11- 6 (28°)	11-23 (23°)	252	231	201
DIAMOND SPRINGS	99	7-25	25	2- 3+	-	3-16 (27°)	3-20 (30°)	11-23 (25°)	11-23 (25°)	-	252	250	-
ELKWOOD 7 S	97	7- 5+	7	12-17	3-20 (20°)	4-20 (27°)	4-29 (29°)	11- 2 (29°)	11- 6 (21°)	11- 6 (21°)	231	200	187
EMORY	97	7- 5	-	-	-	-	-	11-16 (32°)	-	-	-	-	-
EPISCOPAL HIGH SCHOOL	97	7- 5+	18	1-30+	3-19 (23°)	3-20 (27°)	3-21 (30°)	11- 6 (30°)	11-22 (28°)	11-23 (25°)	249	247	230
FARMVILLE	99	8-10	9	12-17	3-20 (21°)	4-20 (28°)	4-29 (31°)	11- 6 (23°)	11- 6 (23°)	11- 6 (23°)	231	200	191
FLOYD	92	7-29	10	3- 1+	3-20 (20°)	4-20 (28°)	4-25 (30°)	11- 2 (27°)	11- 2 (27°)	11-19 (22°)	244	196	191
FREDERICKSBURG	99	6-27	11	12-16+	3-19 (21°)	3-20 (26°)	4-20 (31°)	11- 2 (32°)	11- 6 (25°)	11-21 (23°)	247	231	196
FRONT ROYAL AIRPORT	96	7- 5+	8	2- 3	3-20 (16°)	3-21 (28°)	4-29 (32°)	10-27 (30°)	11-16 (25°)	11-22 (19°)	247	240	181
GLEN LYN	94	7- 7	11	2- 2+	3-20 (21°)	3-21 (26°)	4-25 (31°)	11- 2 (31°)	11-14 (28°)	11-22 (24°)	247	238	191
GORDONSVILLE 6 S	98	7- 5+	5	12-17	3-21 (22°)	4-20 (27°)	4-29 (32°)	11- 5 (28°)	11- 6 (21°)	11- 6 (21°)	230	199	180
GREENWAY DOWNS	96	7- 6+	-	-	3-19 (22°)	3-21 (28°)	3-21 (28°)	11- 6 (27°)	11- 6 (27°)	11-23 (20°)	249	230	230
HALIFAX	97	7-29+	13	12-17	3-16 (24°)	3-21 (27°)	4-25 (31°)	11- 6 (25°)	11- 6 (25°)	11-23 (20°)	252	230	195
HOLLAND 1 E	97	6-23+	19	2- 3	3-16 (20°)	4-10 (28°)	4-17 (30°)	11- 6 (32°)	11-19 (26°)	11-22 (22°)	251	223	203
HOPFELL	99	6-27	17	12-17	3-16 (20°)	3-19 (28°)	4-27 (32°)	11- 6 (28°)	11- 6 (28°)	11-19 (23°)	248	232	193
HOT SPRINGS	91	6-22	11	12-16	3-21 (18°)	4-25 (28°)	4-25 (28°)	11- 2 (30°)	11- 6 (26°)	11-22 (19°)	246	193	191
LANGLEY AIR FORCE BASE	97	6-26+	24	3- 1	3- 1 (24°)	3-16 (27°)	3-16 (27°)	11-22 (30°)	12- 4 (27°)	None	304	263	251
LEE EXP FOREST	-	-	-	-	2-18 (22°)	2-26 (26°)	2-28 (31°)	-	-	-	-	-	-
LEXINGTON	93	7-27+	13	12-17	3-20 (22°)	3-21 (28°)	4-20 (30°)	11- 6 (26°)	11- 6 (26°)	11-22 (24°)	247	230	200
LINCOLN	99	7- 5	13	2- 3+	3-20 (21°)	3-20 (21°)	4-17 (30°)	11- 6 (28°)	11- 6 (28°)	11-23 (18°)	248	231	203
LOUISA	98	7- 6+	11	12-17	3-20 (21°)	4-17 (28°)	4-29 (32°)	10-28 (32°)	11- 6 (23°)	11- 6 (23°)	200	203	213
LURAY	96	7- 6	8	12-16	3-20 (11°)	4-17 (27°)	5-27 (31°)	10-27 (28°)	10-27 (28°)	11- 6 (23°)	200	193	153
LYNCHBURG WB AIRPORT	95	7-26+	16	12-17	3-16 (21°)	3-20 (26°)	4-17 (30°)	11- 6 (28°)	11- 6 (28°)	11-23 (21°)	252	231	203
MANASSAS 4 S	98	7-28+	-	-	3-21 (21°)	3-21 (21°)	4-25 (29°)	10-27 (30°)	10-28 (28°)	-	221	185	-
MARTINSVILLE FILT PL	98	7-28+	8	12-17	3-22 (21°)	4-25 (28°)	4-25 (28°)	11- 3 (30°)	11- 6 (21°)	11- 6 (21°)	229	193	192
MONS	88	7- 5+	9	3- 1	3-17 (20°)	4-17 (28°)	4-25 (32°)	11- 1 (30°)	11- 6 (24°)	11- 6 (24°)	234	203	190
MONTBELLO	-	-	8	3- 1	4-17 (24°)	4-17 (24°)	4-25 (29°)	11- 2 (31°)	11- 4 (27°)	11- 6 (23°)	203	201	191
MONTREY	89	7- 5+	7	3- 2+	3-20 (14°)	4-25 (27°)	5-27 (29°)	9-25 (31°)	10-27 (26°)	11- 6 (24°)	231	185	121
MOUNT JACKSON	96	7- 5+	10	12-16+	3-20 (17°)	4-17 (28°)	4-20 (30°)	10-27 (30°)	11- 6 (25°)	11-23 (19°)	248	203	190
MOUNT WEATHER	92	7-31	12	3- 1+	3-21 (22°)	4-28 (27°)	4-28 (27°)	11- 2 (31°)	11-18 (28°)	11-23 (22°)	247	204	198
NEW CANTON	95	6-25+	9	12-17	3-19 (22°)	3-21 (26°)	4-25 (30°)	11- 6 (24°)	11- 6 (24°)	11- 6 (24°)	232	230	193
NEWPORT NEWS	101	6-27+	26	3- 1	None	3-16 (27°)	3-16 (27°)	11-28 (32°)	None	None	365	289	252
NORFOLK WB AIRPORT	97	6-26+	26	1- 3+	None	3-16 (27°)	3-20 (30°)	11-22 (28°)	11-22 (28°)	None	365	251	247
NORFOLK WB CITY	98	6-26+	26	3- 1	None	3-16 (28°)	3-19 (32°)	11-23 (32°)	None	None	365	289	249
ONLEY 1 S	99	7-30	21	2- 3	2- 4 (23°)	3-20 (26°)	3-20 (26°)	11-19 (32°)	11-23 (32°)	11-23 (22°)	293	248	244
PENNINGTON GAP 1 W	92	6-25+	13	3-16	4-18 (24°)	4-18 (24°)	4-25 (31°)	11- 2 (32°)	11- 6 (22°)	11- 2 (26°)	198	202	191
PHILPOTT DAM	96	7-27+	12	12-17	3-20 (22°)	2-21 (22°)	2-21 (22°)	11- 2 (31°)	11- 7 (25°)	11-17 (24°)	270	257	253
PIEDMONT FIELD STATION	96	7-27+	12	12-17	3-20 (22°)	4-17 (27°)	4-17 (27°)	11- 6 (24°)	11- 6 (24°)	11- 6 (24°)	200	203	203
PULASKI AIRPORT	90	7-28+	10	12-17	3-20 (22°)	4-20 (25°)	4-25 (31°)	9-25 (32°)	11-16 (27°)	11-19 (23°)	244	213	153
QUANTICO 1 S	99	8-11	13	12-17	3-19 (24°)	3-20 (25°)	3-22 (32°)	11- 6 (26°)	11- 6 (26°)	11-22 (22°)	248	231	229
RICHMOND WB RE BYRD FLD	99	6-26+	16	12-17	3-16 (19°)	3-19 (26°)	4-17 (31°)	11- 6 (27°)	11- 6 (27°)	12- 3 (23°)	262	232	203
RICHMOND WB CITY	97	6-27	21	12-17	3-23 (16°)	3-19 (27°)	3-20 (32°)	11- 6 (32°)	11-22 (28°)	12-16 (23°)	268	232	231
ROANOKE	96	7-28+	13	12-17	3-16 (22°)	3-21 (28°)	4-20 (30°)	11- 6 (30°)	11-22 (25°)	11-23 (21°)	252	246	200
ROANOKE WB WOODRUM FLD	96	7-28	11	12-17	3-20 (24°)	3-21 (29°)	4-20 (30°)	11- 6 (32°)	11-19 (28°)	11-22 (24°)	247	243	200
ROCKY KNOB	87	7-29	9	3- 1	3-13 (16°)	3-20 (21°)	4-25 (32°)	11- 2 (32°)	11- 4 (28°)	11-19 (23°)	251	229	191
SALTVILLE ALKALI WORKS	95	7- 6	16	3-16+	3-17 (17°)	4-17 (27°)	4-20 (31°)	11- 6 (26°)	11- 6 (26°)	11-23 (22°)	251	203	200
SAJUDA	-	-	-	-	3-16 (21°)	3-20 (27°)	3-22 (32°)	11-22 (28°)	11-22 (28°)	12- 5 (18°)	266	247	245
STAUNTON	94	7- 7	11	2- 3+	3-20 (20°)	3-20 (20°)	4-25 (30°)	11- 2 (32°)	11- 6 (28°)	11-22 (23°)	247	231	191
STUART	93	7-28	10	12-16	3-16 (20°)	3-20 (26°)	4-19 (31°)	11- 6 (28°)	11- 6 (28°)	11-19 (23°)	248	231	201
SUFFOLK LAKE KILBY	97	6-27+	19	3-16	3-16 (19°)	3-20 (27°)	4-17 (31°)	11- 6 (30°)	11-18 (28°)	11-23 (23°)	252	243	203
SUGAR GROVE	89	7- 5+	5	3-16	4-20 (20°)	4-20 (20°)	5-12 (32°)	9-24 (31°)	11- 4 (27°)	11- 6 (22°)	200	198	135
TIMBERSVILLE	95	7- 6	10	2- 3	3-20 (16°)	4-20 (27°)	4-29 (31°)	10-27 (31°)	11- 6 (25°)	11-22 (23°)	247	200	181

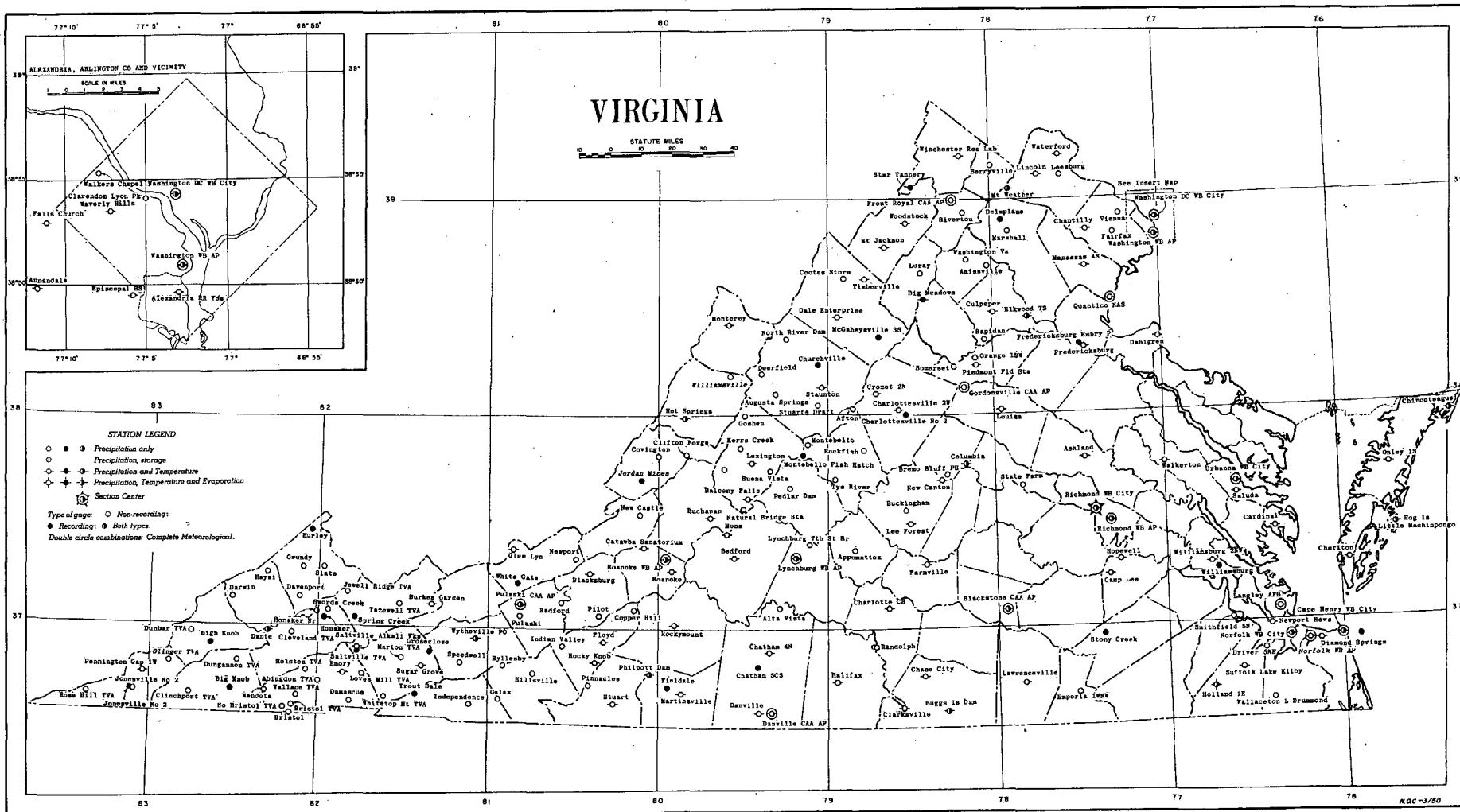
VIRGINIA

STATUTE MILES
0 10 20 30 40



STATION LEGEND

- ● ● Precipitation only
- ● ● Precipitation, storage
- ● ● Precipitation and Temperature
- ● ● Precipitation, Temperature and Evaporation
- ● ● Section Center
- Type of gauge: ○ Non-recording;
● Recording; ● Both types
- Double circle combinations: Complete Meteorological.



KGC-3/20

STATION INDEX

VIRGINIA
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Station	Index No.	County	Drainage†	Latitude	Longitude	Elevation	Temp.	Precip.	Evap.	Years of record	Opened or closed during yr.	Refer to tables
ABINGDON	0013	WASHINGTON	14	36 42	82 00	2000	8					2
AFON BOXWOOD GARDENS	0052	NELSON	34	38 02	78 50	1280	12	12				2
ALEXANDRIA POTOMAC YARDS	0097	ARLINGTON	28	38 49	77 03	20						1 2 3
ALTA VISTA	0166	CAMPBELL	35	37 06	79 18	503	4					2
AMISSVILLE	0193	RAPPAHANNOCK	33	38 41	78 01	550	6					2
ANNANDALE	0216	FAIRFAX	29	38 49	77 12	310	3					1 2 3
APPOMATTOX	0243	APPOMATTOX	16	37 21	78 50	825	11					2
ASHLAND	0337	HANOVER	37	46 77	79 29	220	37	37				1 2 3
AUGUSTA SPRINGS	0356	AUGUSTA	6	38 06	79 18	1700	8					2
BACON NR FAIRFAX	0390	FAIRFAX	29	38 52	77 21	380	7					2
BALCONY FALLS	0411	ROCKBRIDGE	16	37 38	79 27	725	2	18				1 2 3
BARCROFT	0449	ARLINGTON	28	38 52	77 06	190	3					1 2 3
BEFORD	0551	BEFORD	27	37 20	79 32	950	21	35				1 2 3
BERRYVILLE	0670	CLARKE	36	39 09	77 59	860	7					2
BIG KNOB	0712	SCOTT	14	36 40	82 30	3150	14					1 2 3
BIG MEADOWS	0720	MADISON	33	38 31	78 26	3420	14	14				2
BIG MEADOWS NO 2	0725	MADISON	33	38 30	78 25	3300						1 2 3
BLACKSBURG	0765	MONTGOMERY	23	37 15	80 25	2170	57	57				1 2 3
BLACKSTONE AIRPORT	0773	NOTTOWAY	25	37 04	77 57	440	4					1 2 3
BRNO BLUFF POWER PLANT	0993	FLUVANNA	16	37 42	78 18	225	9					1 2 3
BRISTOL	1037	WASHINGTON	14	36 36	82 10	1998	16	16				2
BRISTOL NR	1047	WASHINGTON	14	36 37	82 10	1920	16	16				2
BUCHANAN	1121	BOYD	16	37 32	79 41	875	31	48				1 2 3
BUCKINGHAM	1136	BUCKINGHAM	39	37 33	78 33	530	14					2
BURNS VISTA	1159	ROCKBRIDGE	20	37 44	79 21	335	12					2
BUGGS ISLAND DAM	1180	MECKLENBURG	35	36 36	78 18	326	2					1 2 3
BURNS GARDEN	1209	FAZEWELL	23	37 08	81 20	2450	52	54				1 2 3
BYLESBY	1255	CARROLL	23	36 48	80 55	2075	6					1 2 3
CAMP LEE	1316	PRINCE GEORGE	1	37 14	77 20	60	4					1 2 3
CAPE HENRY	1362	PRINCESS ANNE	2	36 56	76 00	16	75					1 2 3
CAPRON	1375	SOUTHAMPTON	25	36 44	77 16	100	9					1 2 3
CARDINAL	1383	MATHEWS	8	37 25	76 22	10	2					1 2 3
CATARA SANATORIUM	1471	ROANOKE	7	37 23	80 10	1900	38	38				1 2 3
CHANTILLY	1570	FAIRFAX	29	38 53	77 26	320	2					1 2 3
CHARLOTTE COURT HOUSE	1585	CHARLOTTE	35	37 03	78 38	560	3					1 2 3
CHARLOTTESVILLE 2 W	1593	ALBEMARLE	34	38 02	78 31	870	6	73				2
CHARLOTTESVILLE 1 W	1598	ALBEMARLE	34	38 02	78 30	530	2					1 2 3
CHASE CITY	1606	MECKLENBURG	35	36 36	78 11	500	2					1 2 3
CHATHAM 2 NE	1614	PITTSYLVANIA	3	36 50	79 22	700	26	26				1 2 3
CHATHAM SCS	1619	PITTSYLVANIA	3	36 45	79 25	852	3					1 2 3
CHERTON	1636	NORTHAMPTON	2	37 17	75 58	11	13	22				1 2 3
CHINCOTRAGE	1683	ACCOMAC	2	37 56	75 26	36	8					1 2 3
CHURCHVILLE	1708	AUGUSTA	29	38 14	79 10	1475	1					1 2 3
CLARENDON LYON PARK	1729	ARLINGTON	29	38 54	77 05	225	23					2
CLARKSVILLE	1746	MECKLENBURG	35	36 38	78 24	286	30	56				1 2 3
CLEVELAND	1776	RUSSELL	10	36 57	82 09	1540	16					1 2 3
CLIFTON FORGE	1801	ALLEGHANY	15	37 49	79 50	1055	25					2
CLINTONPORT	1816	SCOTT	10	36 40	82 45	1260	54					2
COLUMBIA	1928	FLUVANNA	16	37 46	78 09	300	47	51				1 2 3
COTTES STORE	1986	ROCKINGHAM	38	38 38	78 51	1050	7					2
COPPER HILL	1999	FLOYD	23	37 05	80 08	2800	9					2
COVINGTON	2041	ALLEGHANY	15	37 48	80 00	1245	12					2
CROZET 2 N	2138	ALBEMARLE	34	38 05	78 42	750	7					1 2 3
CULPEPER	2156	CULPEPER	29	38 28	78 00	475	40	43				1 2 3
DANLON PROVING GROUNDS	2195	KING GEORGE	29	38 20	77 02	18	30	30				1 2 3
DALE ENTERPRISE	2208	ROCKINGHAM	38	38 27	78 56	1350	67	69				1 2 3
DAMASCUS	2216	WASHINGTON	14	36 38	81 48	1930	23					2
DANTE	2247	RUSSELL	10	36 59	82 18	1765	31	32				1 2 3
DANVILLE	2285	PITTSYLVANIA	13	36 36	79 23	580	32	59				1 2 3
DANVILLE AIRPORT	2289	PITTSYLVANIA	13	36 34	79 20	590	6					1 2 3
DARWIN	2284	DICKINSON	12	37 05	82 30	1500	1					2
DAVENPORT	2288	BUCHANAN	37	37 07	82 06	1500	8					1 2 3
DEERFIELD 2 N	2315	AUGUSTA	6	38 15	79 24	1750	23					1 2 3
DELAWARE	2326	FAUQUIER	29	38 55	77 55	500	8					2
DIAMOND SPRINGS	2368	PRINCESS ANNE	8	36 54	76 12	25	41					1 2 3
DRIVER 5 NE	2504	NANSEMOND	22	36 52	76 30	17	7					1 2 3
DUNBAR	2536	WISE	56	36 58	82 45	2000	1					2
DUNFARNO	2548	SCOTT	10	36 50	82 28	2500	15					2
ELKWOOD 7 S	2728	CULPEPER	33	38 26	77 46	314	9					1 2 3
EMORY	2782	WASHINGTON	14	36 46	81 51	2205	24	25				1 2 3
EMPORIA 1 NW	2790	GREENSVILLE	21	36 41	77 33	80	19					2
EPISCOPAL HIGH SCHOOL	2809	FAIRFAX	29	38 49	77 06	230	3					1 2 3
FAIRFAX	2827	FAIRFAX	29	38 51	77 18	440	1					1 2 3
FALLS CHURCH	2922	FAIRFAX	29	38 53	77 11	315	1					1 2 3
FARMVILLE	2941	PRINCE EDWARD	1	37 18	78 23	450	28	30				1 2 3
FIELDSIDE	2983	HENRY	40	36 43	79 57	875	6					2
FLOYD	3071	FLOYD	23	36 55	80 19	2600	17	17				1 2 3
FLOYD NO 2	3072	FLOYD	23	36 55	80 18	2400	17					1 2 3
FORAKER	3082	DICKINSON	12	37 05	82 30	1500	9					1 2 3
FREDERICKSBURG	3192	SPOTSYLVANIA	33	38 18	77 28	100	56	58				1 2 3
FREDERICKSBURG EMBRY PLANT	3197	SPOTSYLVANIA	33	38 19	77 29	25	3					2
FRONT ROYAL 6 NW	3231	WARREN	38	39 00	78 14	677	11	11				1 2 3
GALAX	3287	GRAYSON	23	36 39	80 55	2380	8					1 2 3
GLEY LYN	3397	GILES	23	37 20	80 49	1524	17	36				1 2 3
GORDONVILLE 6 S	3462	LOUISA	24	36 40	78 10	438	4	11				1 2 3
GOSHEN	3470	ROCKBRIDGE	6	37 59	79 30	1300	10					2
GREENWAY DOWNS	3583	FAIRFAX	29	38 53	77 11	337	3					1 2 3
GROESBLOSE	3623	WYTHE	14	36 53	81 19	2520	7					2
GRUNDY	3640	BUCHANAN	17	37 16	82 06	1044	1					1 2 3
HALLIFAX	3690	HALLIFAX	3	36 46	78 57	425	2	19				1 2 3
HAYSI	3862	DICKINSON	37	37 13	82 18	1500	8					2
HIGH KNOB	3959	WISE	56	36 54	82 38	4150	14					2
HILLSVILLE	3991	CARROLL	23	36 46	80 44	2570	7					2
HOCK ISLAND LITTLE MACHIPONGO	4051	NORTHAMPTON	2	37 28	75 41	5	8					1 2 3
HOLLAND 1 S	4044	NANSEMOND	4	36 41	76 47	80	17	17				1 2 3
HOLSTON	4066	WASHINGTON	14	36 50	82 05	3450	15					2
HOMAKER	4078	RUSSELL	10	37 01	81 59	1950	14					2
HOMAKER NEAR	4083	RUSSELL	10	37 03	82 02	2150	15					2
HOPEWELL	4101	PR GEORGE	16	37 18	77 18	40	57	62				1 2 3
HOT SPRINGS	4128	BATH	15	38 06	78 50	2185	56	58				1 2 3
HURLEY	4185	BUCHANAN	42	37 38	82 02	995	3					2
INDEPENDENCE	4239	GRAYSON	23	36 36	81 07	2540	9					2
INDIAN VALLEY	4246	FLOYD	23	36 54	80 34	2700	9					2
JEWELL RIDGE	4404	FAZEWELL	10	37 11	81 47	2730	15					2
JONESVILLE	4446	LEE	10	36 41	83 06	1525	15					2
JONESVILLE 2 SSE	4											

REFERENCE NOTES

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 foot note following Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state. Figures and letters following the station name, such as (2 SSW) indicates distance in miles and direction from the Post Office.

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

-	No record.
+	Also later dates or months.
//	Gage is equipped with a windshield.
B	Adjusted to full month.
E	Water equivalent of snowfall wholly or partially estimated, using a ratio of 1 inch water equivalent to every 10 inches of new snowfall.
M	1 to 10 days' record missing; see monthly Climatological Data for detailed daily record.
R	Station equipped with a recording gage only.
T	Trace, an amount too small to measure.
V	Includes total for previous month.

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W.R.P.C., Chattanooga, Tennessee--- 7/11/50--- 1350