

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1951

Volume LXI No. 13



VIRGINIA - 1951

S. S. Schworm, Section Director - Richmond

WEATHER SUMMARY

The mean temperature for the year, 56.2°, exceeded the normal by only 0.3°. The annual precipitation, 40.40 inches, was subnormal by 1.72 inches.

January was a month of frequent decided temperature changes with the warm spells more marked and of longer duration than the cold ones, causing the average temperature to exceed the normal by 2.0°. Precipitation amounted to only 54 percent of normal, and snowfall was unusually light. A glaze storm of considerable severity in the central and southwestern counties on the 30-31st hampered transportation, caused many schools to close, and was responsible for many minor injuries that occurred in numerous traffic accidents. An unusual amount of winter plowing was done.

February averaged above normal in temperature, but the period 2d-11th was the coldest 10 days of the year. Big Meadows reported the lowest temperature for the year, -7° on the 8th. Precipitation averaged .50 inch below normal, and snowfall was only one-third of the normal amount. A small tornado near the McLean Surrender House in Appomattox County on the 1st destroyed a barn and several other outbuildings. A line squall at Richmond on the same day blew out two store display window panes and interrupted service on 30 electric lines for three or four hours. Small grains suffered some damage during the severe cold spell. In the eastern commercial areas most of the potatoes were planted before the end of the month.

March was just slightly cooler and wetter than normal. Fruit buds were retarded so that blooms were certain to be later than average. Farming operations made good progress. A thundersquall caused some damage in Richmond on the 7th.

April was approximately normal in temperature and slightly wetter than usual. Fruits were slightly damaged by frosts or freezes on the 17th and 18th. Pastures were supplying good grazing by the end of the month. Moderate rises in the James River caused stages a fraction of a foot above the flood stage at State Farm on both the 2d and 4th. A man was killed by lightning during a thunderstorm at Arlington on the 26th, and two people were injured during a windstorm at Richmond on the same date.

May was the coolest for that month since 1946 and the driest since 1941. Crop growth was retarded by the cool weather. In the southern counties dry weather delayed tobacco transplanting. There were many hail, wind, and thunder storms. A man was killed by lightning near Big Stone Gap on the 6th, while at Danville on the 11th a boy was drowned when he took refuge in a culvert during a rainstorm. Hail or hail and wind storms in many central and eastern counties including the City of Richmond on the 3d and again on the 11th caused damage to property and crops totalling nearly half a million dollars. On the 11th a small tornado in the Shackleford section of King and Queen County destroyed several outbuildings, damaged a number of houses, and disrupted telephone service in three counties.

June was normal in temperature but quite wet, in fact the wettest since 1938. The highest temperature for the year, 105°, was reported at John R. Kerr Dam on the 3d. At Mons 5.04 inches of rain occurred in a 24 hour period on the 12-13th. Minor flooding occurred in the James River at and below Breemo Bluff on the 14-15th with little more than nuisance damage. The frequent showers promoted rapid growth of all crops, especially pastures. Small grain harvest made fair progress late in the month. Some hay was spoiled, but farmers made the most of the brief spells of fine weather to save the bulk of a large crop. There were many destructive wind and electric storms. The greatest damage was caused by a tornado in the western section of Richmond on the 13th. It lasted about 15 minutes and caused damage of about \$500,000 while travelling in a path about 350 yards wide and four miles long. Twelve persons were injured, none seriously. Six hundred families suffered damage. In Warwick County on the 27th tornadoic winds destroyed two small buildings. A woman was killed and a child injured by lightning at Callends on the 28th.

July averaged slightly above normal in temperature. Rainfall varied widely but averaged only 82 percent of normal.

Heavy local rains caused flash floods in tributaries of the James River in Rockbridge and Botetourt Counties during the night of the 14-15th with much damage to secondary roads. On the 28th Little Calfpasture Creek flooded several homes along Route 42 in the Vicinity of Augusta Springs. There was no flooding in major streams. There were many local severe hail, wind, and electric storms during the last half of the month. An officer at A. P. Hill Military Reservation was killed by lightning on the 17th. On the same day at Hopewell Airport a hangar was damaged by wind and a plane was torn from its moorings and demolished. Two persons were injured during a wind and electric storm at Richmond on the 19th; at Byrd Field a plane on the ground was badly damaged and another was forced to make a crash landing in a hay field a few miles away. None of the 53 persons on board was hurt. Hail at Bristol on the 19th did considerable damage to crops, homes, a greenhouse, and nine planes at the Bristol Airport. Harvest of small grains and hay progressed favorably, and before the end of the month the harvest of flue cured tobacco was well underway. Growing crops were mostly well cultivated.

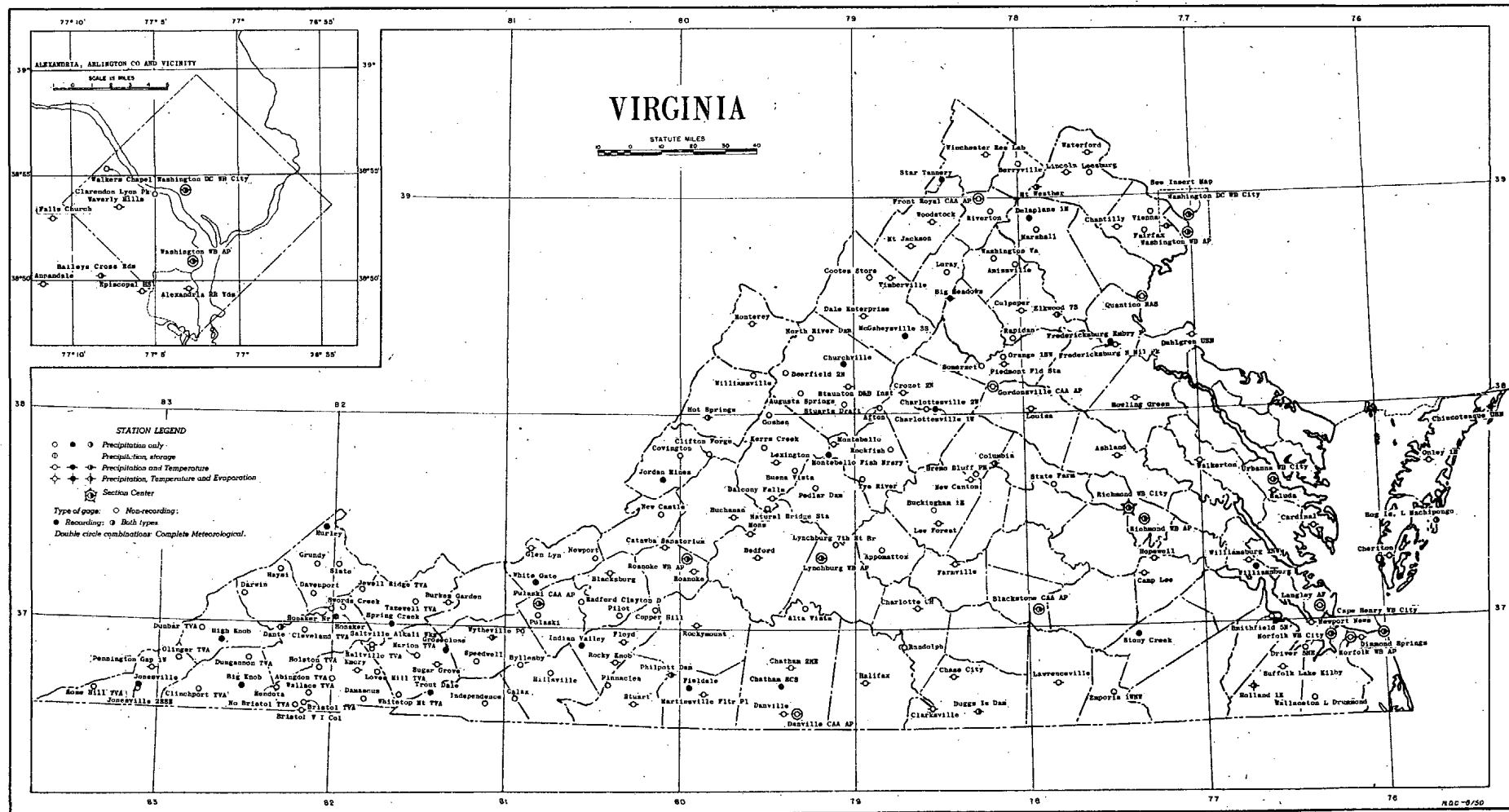
August was also a little warmer and somewhat drier than normal, with rainfall varying widely. Dry weather attained drought proportions in some northern counties with pastures so poor that dry feeding became necessary by the middle of the month. Pastures declined to the point where some dry feeding was necessary in all sections, except the south-eastern counties. A fine crop of peaches was harvested. All types of tobacco were being harvested with only the flue-cured type yielding less than average. Peanut and cotton prospects were unusually good. Severe electrical storms in Chesterfield County on the 4th, the Richmond-Sandston area on the 12th, and at Hickory on the 18th caused total damage of more than \$59,000. A small flash flood at Bishop in Tazewell County on the 6th washed a small church building from its foundation.

September was 0.1° below normal in temperature and 42 percent deficient in precipitation. Pastures continued to deteriorate, and dry feeding became extensive. It was an excellent month for harvesting operations of all kinds. No severe storms were reported.

October was somewhat warmer than normal with little more than half the normal rainfall. During a cool spell the 8-13th killing frosts were reported in most of the mountain counties, and light to killing frosts occurred in much of the Piedmont on the 29th and 30th. Pastures were fair in the extreme eastern and southeastern counties but very poor elsewhere. It was a favorable month for all harvesting operations. A tropical hurricane passed along the Virginia coast on the 4th causing gales and rather high tides, but no important damage was reported. There were several severe local wind and electrical storms. A sawmill employee at Warmister was killed by lightning on the 7th. A wind storm at Halifax on the same day injured one person and damaged several buildings.

November was the fourth coldest and fourth wettest of record. A small tornado did about \$4,500 damage to storage buildings at Yorktown Battlefield on the 1st. Streams and wells were restored. The damp weather was excellent for preparing tobacco for market but was unfavorable for curing and picking peanuts. All harvesting was completed. Killing frosts occurred in all interior sections by the 3d and in the Norfolk and lower Eastern Shore areas on the 19th.

December averaged 2.0° above the normal temperature and 45 percent more than the normal precipitation. Snowfall was slightly above normal. The James River exceeded flood stages at all points below Scottsville on the 21-22d. No damage was reported. Freezing rain, sleet, and snow in many sections of the State on the 18th and again on the 20th caused many schools to close, disrupted transportation, and made travel hazardous. Two persons were killed, and many minor injuries resulted from the numerous traffic accidents. A few power lines were pulled down. Peanut picking and soybean combining were completed under favorable conditions during the first half of the month. In the Norfolk area kale and collards were in good supply. - S.B.T.



AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

 VIRGINIA
1951

Table I

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	40.3	-	39.8	-	47.3	-	57.1	-	65.6	-	75.3	-	79.6	-	77.6	-	70.8	-	62.0	-	44.7	-	42.2	-	58.5	-
ANNANDALE	37.5	-	37.3	-	43.8	-	52.8	-	62.8	-	71.9	-	71.9	-	-	-	68.0	-	59.7	-	44.2	-	38.2	-	-	-
ASHLAND	37.9	-	37.3	-	44.2	-	54.0	-	63.1	-	71.2	-	76.4	-	74.3	-	68.6	-	59.9	-	42.5	-	39.5	-	55.8	-
BAILEYS CROSS ROADS	37.4	-	38.0	-	44.9	-	54.2	-	63.6	-	72.1	-	75.6	-	74.7	-	67.4	-	58.2	-	41.0	-	37.3	-	55.4	-
BALCONY FALLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BEDFORD	39.0	3.1	40.5	3.0	45.7	-1.8	52.3	-3.6	65.0	-5.7	73.1	-2.7	75.4	-8.7	74.7	0	68.6	-5	62.5	4.3	43.2	-4.3	39.7	-4	56.7	0
BIG MEADOWS	32.6	4.1	33.6	4.4	35.6	-2.2	47.4	1.4	57.1	-5.0	67.8	1.5	65.4	1.5	65.4	1.5	61.0	-1.3	52.4	1.4	34.8	-4.4	33.0	3.2	48.7	9
BLACKSBURG	35.5	2.0	37.6	3.0	43.3	-4	51.4	-3	61.2	-7	69.2	1.1	72.2	-9	72.3	2.1	65.3	-4	57.2	3.6	39.2	-3.6	37.7	2.6	53.5	1.1
BLACKSTONE CAA AP	40.7	-	41.5	-	46.7	-	56.7	-	65.0	-	74.4	-	77.9	-	76.4	-	69.8	-	61.7	-	44.7	-	42.2	-	58.1	-
BOWLING GREEN	42.2	-	41.6	-	47.6	-	57.9	-	66.1	-	74.5	-	78.4	-	76.4	-	71.7	-	62.8	-	46.1	-	43.3	-	59.1	-
BRISTOL	38.6	4.3	42.3	5.6	47.7	-6	55.0	1.5	63.8	-5	72.0	1.1	75.0	-8	74.8	1.6	68.2	-2	60.6	5.2	41.9	-2.9	41.2	5.2	56.7	2.1
BUCHANAN	38.9	2.2	40.3	4.4	47.1	-2	55.7	-3	65.0	-2	73.2	-7	76.1	-2	75.0	4	68.8	-9	60.4	2.3	42.7	-3.8	39.5	1.0	56.9	2
BURKES GARDEN	33.8	1.6	35.0	2.6	40.8	-4	47.0	-1.1	55.3	-1.8	64.4	-3	67.5	-3	66.1	0	58.8	-1.6	50.5	3	34.0	-6.2	34.6	1.7	49.0	-3
CAPE HENRY WB CITY	44.7	4.5	42.5	1.3	46.9	-3	56.7	2.1	64.7	-5	73.3	-4	78.1	-6	77.6	1.0	65.7	-3	56.7	3.6	50.4	-1.7	47.3	3.6	60.1	1.5
CARON	-	-	44.6	5.0	49.9	1.6	59.4	1.5	-	-	75.3	-6	77.9	-1	76.4	1.1	70.8	-1	-	-	-	-	43.9	4.3	-	-
CATAWBA SANATORIUM	37.2	-	36.9	-	42.6	-	51.5	-	62.0	-	70.3	-	73.2	-	72.2	-	66.3	-	59.0	2.4	40.0	-5.7	37.7	-2	54.0	-8
CHANTILLY	36.4	-	36.3	-	42.9	-	53.1	-	61.2	-	69.9	-	73.1	-	72.4	-	67.2	-	57.9	-	39.7	-	36.7	-	54.1	-
CHARLOTTE COURT HOUSE	38.7	-	40.2	-	46.4	-	55.3	-	65.0	-	72.8	-	76.6	-	75.7	-	70.1	-	61.4	-	43.8	-	39.3	-	57.1	-
CHARLOTTESVILLE 2 W	38.8	2.4	38.7	1.3	45.0	-1.4	56.1	-4	65.3	-6	73.1	-2	77.3	-8	75.9	-7	61.9	-3	43.2	-4.8	40.0	-1.8	37.1	-3	-	-
CHARLOTTESVILLE 1 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHASE CITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHATHAM 2 NE	38.7	-	39.5	-	46.4	-	55.2	-	64.7	-	73.2	-	76.8	-	76.5	-	72.0	-	61.9	3.9	43.0	-5.0	39.8	-1.2	57.1	-8
CHERITON	45.2	4.3	43.5	1.3	48.1	-4	57.1	-5	65.3	-1.6	73.3	-1	76.8	-1	76.0	-3	70.2	-2	61.9	1.3	52.4	-4	46.2	3.7	60.6	-8
CLARKSVILLE	40.5	3.0	40.9	-6	47.4	-9	57.9	1.4	-	-	74.9	-5	78.5	-9	-	-	-	-	-	-	-	-	-	-	-	
COLUMBIA	39.2	2.2	38.0	-5	45.0	-1.6	55.4	-1	64.1	-1	72.7	-2	77.2	-9	74.9	-0	69.1	-2	60.4	3.1	42.9	-3.7	39.5	1.5	56.6	-3
CROZET 2 W	39.9	-	39.6	-	46.4	-	55.6	-	64.8	-	72.3	-	76.4	-	74.9	-	69.2	-	62.2	-	-	-	41.6	-	-	-
CULPEPER	39.3	4.6	37.2	9	45.0	-3	55.1	-7	63.2	-9	71.1	-1	76.6	-9	74.4	-3	68.5	-4	61.6	3.5	42.3	-2.9	39.7	3.5	55.7	-5
DALGREN PROV GROUND	39.4	2.9	38.6	9	45.3	-3	55.7	-1	64.2	-4	72.7	-4	76.0	-1	75.4	-2	69.7	-2	61.3	3.4	44.0	-3.7	41.4	2.4	57.1	-7
DALE ENTERPRISE	36.2	2.8	37.1	2	42.9	-0	51.7	-3	61.0	-1	69.4	-6	73.1	-7	70.7	-1	66.5	-3	59.4	4.0	40.0	-3.7	37.0	1.7	53.8	-2
DANTE	-	-	-	-	46.6	1.3	54.5	-7	63.8	2.1	73.5	4.3	75.5	3.3	75.5	4.2	68.0	-8	61.2	5.3	40.8	-4.0	40.6	2.6	-	-
DANVILLE	40.8	-	42.5	-	49.2	-	58.4	-	67.5	-	75.5	-	78.7	-	78.4	-	72.1	-	63.6	2.9	44.8	-4.9	41.4	-4	59.3	-4
DANVILLE CAA AP	40.1	-	41.7	-	47.8	-	57.1	-	66.1	-	74.9	-	78.5	-	77.8	-	70.9	-	63.4	-	44.5	-	41.0	-	58.6	-
DIAMOND SPRINGS	46.6	2.9	44.5	8	48.9	-1	58.9	-1	66.9	-6	75.8	-1	78.8	-1	77.8	-8	71.7	-9	64.5	1.9	51.0	-1.5	47.7	3.2	61.1	9
ELKWOOD 7 S	38.3	3.2	37.3	2	44.3	-4	53.7	-1	62.7	-2	71.6	-1	76.0	-9	73.8	-4	68.2	-7	59.8	2.6	41.5	-5.0	39.0	3.2	55.5	-1
EMORY	38.5	1.1	40.9	2	45.4	2	52.4	-0	60.7	-7	67.0	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	
EPISCOPAL HIGH SCHOOL	39.5	-	39.0	-	45.3	-	56.3	-	65.3	-	73.9	-	78.4	-	76.0	-	70.3	-	61.5	-	44.0	-	-	-	-	-
FALLS CHURCH	37.3	-	37.4	-	44.0	-	54.1	-	64.7	-	73.0	-	77.3	-	74.9	-	68.5	-	59.7	-	42.1	-	38.4	-	55.9	-
FARMVILLE	39.8	1.5	41.5	2	47.2	-5	56.8	-1	64.4	-1	74.0	-2	78.7	-5	76.1	-3	69.2	-1	60.8	2.6	44.6	-3.4	40.5	1.5	57.8	-2
FLOYD	36.7	1.9	38.4	4	42.7	-9	51.5	-1	61.0	-1	69.3	-4	72.5	-1	72.2	-1	65.4	-3	58.3	3.3	38.7	-5.5	37.7	2.1	53.7	-4
FLOYD	41.4	-	41.7	-	46.8	-	55.4	-	63.4	-	73.8	-	77.2	-	74.8	-	69.0	-	60.7	-	44.7	-	41.9	-	57.6	-
FREDERICKSBURG	38.4	1.9	37.2	2	43.5	-3	53.6	-1	63.4	-1	73.1	-6	76.9	-3	74.9	-2	68.8	-5	60.2	2.3	41.5	-5.9	39.4	1.5	55.9	-5
FRONT ROYAL CAA AP	36.1	-	36.7	-	42.6	-	52.5	-	61.2	-	70.5	-	74.9	-	72.1	-	67.0	-	58.2	-	39.3	-	36.4	-	54.0	-
GLENN LYN	39.0	2.8	40.5	4	46.4	2	54.3	-1	63.0	-1	71.5	-4	75.3	-3	74.2	-8	68.0	-6	60.6	4.3	41.3	-3.3	41.0	5.1	56.2	1.4
GLENNYS 1 S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
GORDONSVILLE CAA AP	36.7	-	37.5	-	43.7	-	53.3	-	61.7	-	72.0	-	75.8	-	73.6	-	66.8	-	58.9	-	40.1	-	37.0	-	54.8	-
HALIFAX	40.3	-	42.1	-	48.4	-	57.1	-	65.6	-	75.0	-	78.0	-	77.0	-	70.7	-	62.9	-	44.1	-	40.2	-	58.4	-
HOLLAND 1 E	42.8	1.5	43.6	2	47.9	-1	58.1	-4	65.5	-1	75.1	-2	78.5	-1	77.6	-4	70.8	-4	61.6	11.1	47.3	-3.4	45.7	3.9	-	-
HOPEWELL	44.9	5.0	44.9	4	50.0	-9	59.4	-1	66.3	-1	75.3	-0	79.7	-7	77.0	-3	71.5	-8	63.9	4.0	48.0	-1.6	44.1	3.1	60.5	1.4
HOT SPRINGS	33.8	2.1	34.8	2	40.6	-1	48.7	-1	59.9	-0	67.5	-8	70.3	-8	68.9	-6	62.0	-7	54.7	2.5	37.0	-4.4	34.8	1.4	51.1	-3
JOHN H. KERR DAM	42.8	-	42.7	-	49.3</																					

Table 2

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1951

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	3.34	-	2.63	-	4.42	-	3.99	-	5.06	-	4.07	-	5.28	-	1.93	-	2.65	-	1.25	-	3.80	-	4.03	-	42.45	-
ADAMSON GARDEN	1.05	-1.48	-	-	3.77	-	.47	-	3.77	-	4.07	-	4.28	-	2.34	-	2.43	-2.68	.06	-3.82	.59	-3.55	5.13	2.34	4.75	1.67
ALEXANDRIA POTOMAC S	2.05	-	2.58	-	2.42	-	3.52	-	2.08	-	2.88	-	5.52	-	4.13	-	1.54	-	1.42	-	1.44	-	5.08	-	5.21	-
ALTAVISTA	1.06	-	2.57	-	3.76	-	4.61	-	1.87	-	4.78	-	4.35	-	4.70	-	3.4	-	1.57	-	4.65	-	5.19	-	37.79	-
AMISSVILLE	1.28	-	3.63	-	4.09	-	3.99	-	2.04	-	8.33	-	2.87	-	1.79	-	.46	-	1.01	-	4.35	-	4.49	-	38.33	-
ANNANDALE	2.30	-	2.66	-	3.70	-	4.50	-	2.88	-	7.73	-	-	-	-	-	2.00	-	1.88	-	5.95	-	4.73	-	-	-
APPOMATTOX	.86	-	2.69	-	3.57	-	4.28	-	2.53	-	3.48	-	5.41	-	1.85	-	1.12	-	1.00	-	6.01	-	4.67	-	37.47	-
ASHLAND	E1.42	-1.61	2.55	-	.32	-	3.29	-	.20	-	4.26	-	.73	-	-	-	-	-	2.60	-	.47	-	-	-	-	-
AUGUSTA SPRINGS 2 S	1.84	-	2.56	-	6.09	-	2.58	-	5.03	-	1.99	-	2.16	-	2.18	-	1.78	-	2.97	-	1.19	-	3.88	-	5.23	-
BAILEYS CROSS ROADS	2.35	-	2.82	-	3.32	-	4.34	-	2.90	-	7.11	-	2.17	-	-	-	1.78	-	1.75	-	6.09	-	4.81	-	41.62	-
BALCONY FALLS	1.60	-2.22	2.80	-	.13	-	5.14	-	1.59	-	4.56	-	1.19	-	1.89	-	1.61	-2.52	1.60	-3.08	.99	-2.50	.95	-2.47	3.98	1.06
BEDFORD	1.71	-1.46	2.90	-	.39	-	4.33	-	.52	-	4.62	-	3.09	-	6.08	-	5.42	-1.20	3.22	-1.73	1.68	-1.65	2.28	4.51	1.83	5.51
BERRYVILLE	2.34	-	2.53	-	.30	-	4.74	-	1.00	-	3.86	-	1.00	-	3.48	-	.81	-	5.04	-	2.29	-	3.15	-	1.19	-
BIG KNOB	3.82	-	1.35	-	3.0	-	4.74	-	1.00	-	3.86	-	1.00	-	3.48	-	.81	-	5.04	-	2.29	-	3.15	-	1.19	-
BIG MEADOWS	2.62	-	.94	-	3.35	-	.56	-	6.09	-	2.58	-	5.03	-	1.07	-	1.99	-	2.16	-	5.96	-	1.71	-	3.96	-
BLACKSBURG	.89	-2.40	-	-	5.02	-	1.34	-	5.26	-	2.15	-	1.53	-	5.06	-	.48	-	4.15	-	1.05	-	2.18	-	1.92	-
BLACKSTONE CAA AP	1.36	-	2.03	-	3.10	-	3.11	-	1.19	-	5.32	-	4.8	-	5.79	-	1.34	-	3.98	-	.48	-	2.07	-	4.84	-
BLAND	1.12	-	2.09	-	3.66	-	3.44	-	2.35	-	5.31	-	5.33	-	4.05	-	2.58	-	1.65	-	5.49	-	4.18	-	41.25	-
BOWLING GREEN	1.35	-	2.70	-	2.45	-	4.03	-	2.38	-	7.19	-	3.75	-	2.94	-	2.21	-	1.71	-	4.97	-	-	-	-	-
BREMONT	3.13	-	2.85	-	.63	-	4.77	-	.55	-	3.87	-	.91	-	6.13	-	2.72	-	3.90	-	.36	-	5.25	-	.15	-
BRISTOL	3.42	-	3.11	-	4.79	-	4.56	-	6.39	-	3.68	-	3.93	-	3.14	-	2.23	-	1.58	-	4.21	-	4.78	-	45.82	-
BROOKFIELD	.95	-	1.26	-	2.97	-	3.90	-	1.63	-	3.45	-	2.74	-	3.03	-	2.29	-	2.05	-	4.96	-	3.26	-	32.49	-
BUCHANAN	1.80	-1.85	3.32	-	.60	-	5.44	-	2.02	-	3.78	-	.56	-	2.92	-	5.4	-	5.91	-	1.57	-	1.35	-	3.64	-
BUCKINGHAM 1 E	1.60	-	2.67	-	3.01	-	4.90	-	1.27	-	5.24	-	3.64	-	1.95	-	2.11	-	1.98	-	4.74	-	4.95	-	38.06	-
BUENA VISTA	-	-	-	-	3.28	-	.74	-	3.89	-	1.44	-	1.50	-	2.14	-	6.06	-	2.87	-	3.80	-	.42	-	2.50	-
BURKES GARDEN	2.45	-1.23	2.62	-	.96	-	5.49	-	.86	-	3.85	-	.25	-	2.77	-	1.36	-	5.23	-	53	-	4.84	-	2.22	-
CADWELL	1.34	-	2.50	-	3.41	-	4.05	-	2.40	-	4.25	-	4.43	-	3.92	-	2.39	-	3.92	-	2.39	-	3.92	-	2.39	-
CAE HENRY WB CITY	1.38	-1.77	2.26	-	.97	-	3.27	-	.60	-	2.02	-	1.28	-	.90	-	6.29	-	2.33	-	2.38	-	2.99	-	7.58	-
CAPRON	-	-	2.15	-	1.08	-	2.95	-	.34	-	2.90	-	.04	-	5.14	-	1.23	-	2.54	-	3.79	-	3.45	-	2.40	-
CATAWBA SANATORIUM	1.24	-1.70	2.41	-	.38	-	3.41	-	.08	-	4.89	-	1.85	-	.83	-	6.04	-	1.29	-	3.11	-	1.30	-	1.66	-
CHAMBERS	1.89	-	2.62	-	3.92	-	4.62	-	3.09	-	3.09	-	-	-	.38	-	1.17	-	1.24	-	1.24	-	4.35	-	4.12	-
CHARLOTTE COURT HOU	1.46	-	1.88	-	2.69	-	3.99	-	2.03	-	6.08	-	3.81	-	5.30	-	.77	-	1.97	-	4.80	-	4.23	-	39.01	-
CHARLOTTESVILLE 1 W	1.64	-1.71	3.40	-	.60	-	4.62	-	1.15	-	4.84	-	1.32	-	2.09	-	1.87	-	7.19	-	1.90	-	3.91	-	.42	-
CHARLOTTESVILLE 2 W	1.66	-	3.19	-	-	-	-	-	2.09	-	1.87	-	-	-	3.82	-	2.19	-	1.12	-	1.55	-	4.68	-	5.65	-
CHASE CITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHATHAM 2 NE	1.24	-2.24	2.43	-	.75	-	3.64	-	.11	-	4.52	-	1.17	-	1.99	-	1.81	-	5.34	-	1.57	-	3.65	-	.58	-
CHATHAM SCS	1.32	-	-	-	3.49	-	.09	-	1.72	-	1.52	-	5.08	-	2.58	-	2.22	-	.85	-	1.00	-	2.42	-	1.24	-
CHERTON	1.19	-	1.43	-	2.24	-	2.13	-	1.78	-	1.29	-	7.66	-	4.23	-	5.95	-	.89	-	3.23	-	1.26	-	1.33	-
CHINCOTEAGUE	1.19	-	1.43	-	2.24	-	2.13	-	1.78	-	1.29	-	7.66	-	4.23	-	5.95	-	.89	-	3.23	-	1.26	-	1.33	-
CHURCHVILLE	2.53	-	2.74	-	3.67	-	3.51	-	1.67	-	4.82	-	5.51	-	2.12	-	1.42	-	1.76	-	1.98	-	1.77	-	1.93	-
CLARENDON LYON PARK	1.94	-1.36	2.95	-	.39	-	3.11	-	.11	-	4.08	-	.72	-	7.55	-	3.88	-	2.71	-	1.22	-	3.27	-	1.40	-
CLARKSVILLE	1.62	-1.67	3.48	-	.11	-	3.53	-	.13	-	3.99	-	.59	-	6.34	-	2.11	-	4.75	-	.55	-	2.74	-	5.55	-
CLEVELAND	2.62	-	3.95	-	4.76	-	3.65	-	4.55	-	6.80	-	2.84	-	2.32	-	4.25	-	1.37	-	4.78	-	5.17	-	47.06	-
CLIFTON FORGE	1.85	-1.19	3.13	-	1.13	-	3.13	-	1.36	-	4.75	-	2.13	-	9.42	-	6.07	-	4.58	-	.74	-	3.98	-	3.02	-
CLINCHCO	3.43	-1.01	5.24	-	1.21	-	5.40	-	.41	-	4.62	-	.78	-	2.93	-	1.63	-	3.73	-	1.24	-	2.55	-	2.12	-
CLINCHPORT	1.34	-2.01	2.50	-	.24	-	3.41	-	.18	-	3.55	-	.08	-	3.35	-	1.18	-	2.71	-	.26	-	1.61	-	1.68	-
CONCORD 5 S	.98	-	2.66	-	3.20	-	4.22	-	2.99	-	6.30	-	4.62	-	1.95	-	.73	-	1.37	-	5.60	-	5.10	-	39.72	-
COOTES STORE	1.83	-	-	-	2.39	-	-	-	3.61	-	-	-	-	-	1.21	-	.57	-	-	-	-	-	-	-	-	-
COPPER HILL	-	-	2.54	-	4.22	-	5.00	-	2.09	-	9.28	-	4.98	-	.95	-	1.78	-	1.15	-	4.07	-	2.48	-	2.80	-
COVINGTON	1.48	-1.05	2.87	-	.71	-	4.74	-	2.20	-	3.53	-	1.41	-	7.43	-	4.09	-	4.80	-	1.08	-	1.00	-	2.43	-
CROZET 2 N	2.15	-	3.13	-	4.35	-	4.22	-	2.01	-	5.28	-	3.89	-	2.88	-	1.63	-	.72	-	4.32	-	3.77	-	1.13	-
CULPEPER	1.39	-1.46	2.03	-	.46	-	1.86	-	1.49</																	

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1951

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
INDEPENDENCE	1.71	-	3.01	-	-	-	4.43	-	2.41	-	4.37	-	3.67	-	2.08	-	2.79	-	1.03	-	3.36	-	-	-	-	-
INDIAN VALLEY	2.31	-	3.29	-	4.10	-	5.25	-	2.32	-	4.59	-	2.84	-	2.21	-	2.25	-	-	-	-	-	-	-	-	-
JEWELL RIDGE	1.33	-	1.75	-	4.73	-	4.33	-	4.47	-	4.31	-	1.98	-	4.23	-	3.36	-	1.32	-	4.63	-	3.81	-	42.77	-
JOHN H KERR DAM	3.84	-	6.03	-	5.88	-	3.80	-	1.07	-	6.12	-	8.32	-	4.98	-	1.87	-	2.02	-	4.54	-	4.37	-	41.30	-
JONESVILLE 2 SSE	-	-	-	-	5.88	-	4.35	-	2.57	-	3.67	-	2.96	-	1.41	-	4.35	-	2.45	-	6.92	-	6.76	-	51.19	-
JORDAN MINES	1.43	-	2.29	-	5.32	-	4.29	-	1.94	-	6.29	-	3.34	-	1.47	-	3.75	-	-	-	-	-	-	-	-	-
KERRS CREEK	1.10	-	3.28	-	3.61	-	4.33	-	2.06	-	8.11	-	2.90	-	-	-	-	-	.82	-	3.87	-	3.11	-	-	-
LAFAYETTE 1 NE	-	-	-	-	-	-	-	-	-	-	4.96	-	4.49	-	2.08	-	3.09	-	.94	-	3.10	-	3.82	-	-	-
LANGLEY AIR FORCE BASE	1.21	-1.76	-	-	2.64	-.93	1.36	-1.62	2.30	-1.09	7.50	-.95	2.57	-3.68	2.72	-1.35	.99	-1.78	2.27	1.13	5.88	3.75	2.94	-.11	-	-
LAWRENCEVILLE	1.10	-	2.45	-	4.10	-	3.95	-	1.83	-	7.09	-	2.57	-	2.72	-	1.38	-	.94	-	4.50	-	4.66	-	38.03	-
LEE EXP FOREST	1.46	-	2.67	-	3.30	-	3.87	-	1.32	-	-	-	3.64	-	2.60	-	-	-	2.18	-	5.82	-	5.16	-	-	-
LEXINGTON	1.71	-1.28	2.48	-.19	3.24	-.19	4.44	1.50	1.76	-1.56	5.77	1.65	6.21	2.32	2.54	-1.55	1.33	-1.41	.55	-2.58	3.65	1.70	4.32	1.21	38.20	-.38
LINCOLN	1.98	-1.02	3.77	1.26	4.16	1.08	2.95	-.36	2.39	-1.21	6.28	1.55	1.17	-2.27	2.41	-1.85	.72	-1.92	1.26	-1.75	5.44	3.09	4.51	1.77	537.14	-1.63
LOUISA	1.49	-1.63	2.74	-.10	3.56	-.18	4.15	1.01	1.47	-2.35	8.10	3.96	1.34	-3.06	2.47	-2.03	2.71	-.36	1.16	-2.12	5.69	3.43	4.78	1.70	39.66	-1.17
LOVES MILL	2.09	-	2.03	-	3.96	-	4.87	-	6.97	-	6.48	-	4.89	-	2.03	-	3.92	-	1.23	-	3.94	-	3.39	-	45.60	-
LURAY	2.07	-	2.54	-	4.95	-	3.33	-	2.33	-	6.21	-	2.84	-	2.95	-	.49	-	.72	-	3.82	-	4.31	-	36.56	-
LYNCHBURG 7TH ST BR	1.67	-	2.77	-	-	-	3.33	-	1.78	-	7.23	-	3.01	-	1.71	-	2.31	-	2.03	-	5.46	-	5.74	-	-	-
LYNCHBURG WB AIRPOR	1.79	-1.64	2.31	-.84	3.49	-.05	4.66	1.71	2.08	-1.55	7.26	3.47	2.58	-1.63	2.46	-1.32	1.56	-1.75	1.66	-1.49	5.10	2.77	4.82	1.56	39.77	-.76
MANASSAS	2.10	-1.02	2.58	-.51	3.81	-.75	4.31	1.26	2.98	-.66	8.55	4.95	2.39	-1.42	1.94	-2.98	2.58	.00	.85	-1.56	4.98	2.61	4.24	1.36	41.41	2.78
MARION	2.39	-	2.06	-	4.28	-	3.99	-	4.67	-	4.95	-	2.89	-	2.80	-	2.87	-	1.03	-	3.37	-	3.23	-	38.53	-
MARSHALL	1.17	-	3.28	-	3.49	-	4.39	-	2.51	-	7.91	-	2.94	-	.97	-	.61	-	1.09	-	4.86	-	4.40	-	37.82	-
MARTINSVILLE FILT P	1.40	-2.74	3.35	-.14	4.11	-.22	4.58	.98	1.34	-2.37	6.51	2.26	5.81	-.39	1.98	-3.31	.97	-1.27	1.57	-1.88	4.19	1.23	5.90	2.33	41.71	5.52
MATTHEWS 1 SSW	-	-	1.86	-	3.08	-	2.27	-	1.69	-	4.34	-	5.11	-	4.35	-	.72	-	3.09	-	4.21	-	3.41	-	-	-
MCGAREYSVILLE 3 S	1.98	-	2.14	-	3.49	-	2.91	-	1.54	-	3.64	-	3.26	-	3.15	-	.59	-	-	-	-	-	-	-	-	-
MEADOWS OF DAN 5.5W	2.00	-	4.55	-	4.61	-	7.63	-	1.90	-	8.49	-	4.74	-	3.12	-	2.87	-	1.04	-	-	-	4.17	-	-	-
MENDOTA	2.75	-1.44	24	-.56	5.23	-.72	4.73	1.05	4.60	-.67	4.15	-.20	8.41	3.34	3.20	-1.21	4.20	1.15	1.67	-1.22	5.28	2.54	4.90	1.07	53.38	7.03
MONS	1.83	-	3.20	-	5.26	-	5.42	-	2.94	-	11.11	-	6.96	-	3.23	-	2.12	-	1.74	-	4.63	-	5.75	-	54.19	-
MONTBELLO	1.88	-1.76	3.47	-.71	4.63	1.43	4.62	-	2.90	-2.46	8.66	4.14	7.79	2.38	1.69	-4.16	-	-	-	5.08	1.63	7.32	4.02	-	-	
MONTBELLO FISH NURSERY	3.54	-	4.84	-	7.20	-	5.74	-	3.55	-	9.66	-	7.15	-	1.71	-	-	-	-	-	-	-	-	-	-	-
MONTREY	2.55	-.95	3.19	-.28	4.01	-.26	4.74	1.41	4.09	-.35	7.73	3.24	4.23	-.59	2.16	-2.28	2.54	-.10	.65	-2.57	3.69	1.30	5.74	2.44	45.32	1.57
MONTPELIER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOORES CREEK DAM	-	-	-	-	-	-	-	-	2.62	-.24	10.32	7.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOUNT JACKSON	2.54	-.17	2.28	-.63	3.75	1.44	3.40	-	2.52	-1.39	5.03	1.22	3.77	-1.38	1.86	-2.65	-	-	-	-	-	-	-	-	-	-
MOUNT WEATHER	-	-	3.33	1.01	-	-	-	-	1.89	-1.91	-	-	-	-	-	-	1.43	-1.78	-	-	-	-	5.43	2.85	-	-
NATURAL BRIDGE STATN	1.91	-	2.96	-	6.18	-	4.29	-	2.27	-	5.76	-	2.62	-	1.94	-	.77	-	.96	-	3.92	-	5.47	-	39.05	-
NEW CANTON	1.45	-2.10	2.92	-.03	3.53	-.30	4.55	1.23	2.61	-.81	7.09	3.36	4.05	-.16	3.09	-1.84	2.50	-.53	1.74	-1.44	5.38	3.03	4.89	1.59	43.80	2.32
NEW CASTLE	1.33	-1.37	3.31	-.78	5.95	3.14	4.25	1.98	2.13	-1.95	5.66	2.16	2.14	-2.21	.68	-4.27	1.80	-1.01	.45	-2.30	3.11	.93	4.09	1.74	35.10	2.38
NEWPORT	-	-	3.19	-	5.68	-	4.38	-	1.35	-	5.84	-	2.54	-	2.83	-	2.77	-	.91	-	2.84	-	2.78	-	-	-
NEWPORT NEWS	1.52	-	1.83	-	2.66	-	3.12	-	2.49	-	6.99	-	2.31	-	2.67	-	.44	-	2.74	-	5.54	-	1.87	-	34.18	-
NORFOLK WB AIRPORT	1.68	-1.42	1.64	-1.58	2.90	-.87	2.28	-.95	2.95	-.86	4.42	-.20	4.39	-1.36	7.16	1.94	.98	-2.25	3.23	.19	7.01	4.85	2.80	-.54	41.44	-2.65
NORFOLK WB CITY	1.61	-1.49	1.59	-1.74	2.99	-.78	2.29	-.94	3.68	-.13	4.86	-.64	2.78	-2.97	8.68	3.46	.53	-2.70	3.63	.59	6.34	4.18	2.67	-.67	41.65	-2.55
NORTH BRISTOL SUBST	3.30	-	3.37	-	4.81	-	4.74	-	6.01	-	3.93	-	3.84	-	3.19	-	2.47	-	1.47	-	4.11	-	4.86	-	46.10	-
NORTH RIVER DAM	2.86	-.02	-	-	4.30	1.09	5.27	2.16	3.42	-.59	5.78	1.55	6.77	1.24	4.75	.11	1.00	-2.29	3.38	-2.88	4.13	1.59	5.89	3.46	-	-
OLINGER	4.23	-	5.14	-	5.15	-	4.18	1.57	1.27	-2.11	5.37	1.01	2.33	-1.85	2.61	2.30	1.84	-1.36	1.12	-2.70	3.40	1.19	3.83	-.73	32.54	-7.74
ONLEY 1 S	1.55	-1.48	1.84	-1.82	3.08	-.89	2.67	-.59	2.36	-.86	5.43	2.09	5.03	.75	2.68	-2.38	1.10	-2.01	3.48	.18	4.57	2.41	3.17	-.51	36.96	5.11
ORANGE 1 SW	2.63	-.40	2.86	-.26	-	-	3.05	-.29	1.52	-1.24	9.94	5.18	2.32	-2.28	3.63	-.99	-	-	-	-	-	-	-	-	-	-
PEDLAR DAM	1.93	-1.04	4.23	1.42	4.92	1.68	4.93	1.50	1.98	-2.21	6.73	2.53	4.40	-.94	2.28	-3.90	2.28	-.91	1.12	-2.04	4.50	1.58	56.49	3.03	545.75	-.70
PERKINSON GAP 1 W	5.03	-.24	5.92	1.10	4.63	1.15	4.58	1.49	3.57	-.01	6.48	2.18	3.40	-2.48												

Table 2-Continued

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

VIRGINIA
1951

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
WILLIAMSBURG	1.56	-	-	-	-	-	-	-	-	-	-	-	5.19	-	5.06	-	.74	-	3.33	.52	.00	-	3.74	.43	-	-
WILLIAMSVILLE	-	-	-	-	4.26	-	-	-	2.48	-	7.18	-	5.36	-	1.74	-	1.30	-	.90	-	-	-	3.44	-	-	-
WINCHESTER 2 SSW	1.26	-1.27	3.33	1.24	3.67	.79	3.86	.71	3.88	.04	6.89	2.67	2.05	-.41	.83	2.83	1.90	-.44	.63	-2.25	3.94	1.88	3.92	1.28	37.18	1.41
WOODSTOCK	1.51	-1.02	2.84	.85	3.55	.77	3.04	.34	2.40	-.89	6.30	2.39	5.17	1.81	1.46	-2.32	2.08	-.43	1.25	-1.41	2.93	1.13	3.51	1.23	36.02	2.45
WOOLWINE	1.41	-	4.24	-	5.39	-	-	-	2.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WOOLWINE 4 S	-	-	-	-	-	-	-	-	-	-	6.95	-	7.64	-	2.91	-	-	-	.68	-	-	-	6.79	-	-	-
WYTHEVILLE	-	-	1.56	-1.43	4.20	.76	3.84	.71	3.41	-.25	3.82	-.38	3.89	-.11	6.76	2.57	3.19	-.11	.58	-2.26	3.22	1.08	3.07	.15	-	-
SECTION AVERAGE	1.77	-1.48	2.52	-.50	3.79	.17	3.82	.56	2.62	-1.17	6.27	2.09	3.87	-.83	3.11	-1.33	1.89	-1.36	1.60	-1.35	4.63	2.08	4.51	1.40	40.40	-1.72

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1951

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	98	6-24	9	12-17	2-12 (24°)	3-27 (28°)	4-21 (32°)	11-4 (26°)	11-4 (26°)	11-20 (24°)	281	222	197
ANNANDALE	-	-	-1	12-17	3-27 (22°)	4-18 (28°)	4-18 (28°)	11-3 (32°)	11-4 (21°)	11-4 (21°)	222	200	199
ASHLAND	-	-	-	-	3-11 (24°)	4-18 (27°)	4-23 (32°)	-	-	-	-	-	-
BAILEYS CROSS ROADS	97	7-22+	3	12-17	3-27 (22°)	3-27 (22°)	4-18 (28°)	11-3 (30°)	11-4 (21°)	11-4 (21°)	222	222	199
BALCONY FALLS	97	7-24	0	2-8	3-27 (24°)	4-18 (28°)	4-21 (32°)	11-4 (23°)	11-4 (23°)	11-4 (23°)	222	200	197
BEDFORD	98	6-2	2	12-17	4-18 (24°)	4-18 (24°)	4-21 (30°)	11-4 (22°)	11-4 (22°)	11-4 (22°)	200	200	197
BIG MEADOWS	86	7-23	-7	2-8	4-20 (23°)	4-20 (23°)	4-20 (23°)	9-29 (32°)	10-29 (28°)	11-3 (17°)	197	182	162
BLACKSBURG	94	7-23	1	2-3	4-18 (23°)	4-18 (23°)	4-24 (31°)	9-29 (31°)	10-26 (28°)	11-4 (19°)	200	191	158
BLACKSTONE CAA AP	99	6-2	8	2-4	3-10 (24°)	3-27 (27°)	4-18 (31°)	11-3 (29°)	11-9 (25°)	11-19 (21°)	254	227	199
BOWLING GREEN	97	6-24	10	12-17	2-10 (20°)	3-15 (28°)	4-18 (29°)	11-4 (28°)	11-4 (28°)	11-9 (24°)	272	234	200
BRISTOL	95	7-22	5	2-3+	3-22 (23°)	3-25 (25°)	4-18 (29°)	10-11 (32°)	11-3 (25°)	11-4 (23°)	227	223	176
BUCHANAN	99	6-2	3	12-17	4-18 (24°)	4-18 (24°)	4-24 (32°)	10-12 (30°)	11-4 (23°)	11-4 (23°)	200	200	171
BURKES GARDEN	87	6-3	-5	2-3	4-18 (20°)	4-24 (28°)	5-14 (32°)	9-29 (25°)	9-29 (25°)	10-10 (22°)	175	158	138
CAPE HENRY WB CITY	97	6-24	18	2-8	2-9 (22°)	2-10 (27°)	3-27 (32°)	11-19 (32°)	12-16 (24°)	12-16 (24°)	310	309	237
CAPRON	99	6-24	10	12-17	2-10 (21°)	3-27 (25°)	4-18 (30°)	11-4 (25°)	11-4 (25°)	11-9 (23°)	272	222	200
CATAMBA SANATORIUM	92	7-24	3	12-16+	3-25 (24°)	4-18 (26°)	4-18 (26°)	11-3 (28°)	11-3 (28°)	11-9 (24°)	229	199	199
CHANTILLY	95	6-2+	-2	12-17	4-18 (24°)	4-18 (24°)	4-24 (32°)	9-29 (31°)	11-4 (17°)	11-4 (17°)	200	200	158
CHARLOTTE COURT HOUSE	99	6-3+	6	2-4+	3-12 (23°)	3-27 (25°)	4-18 (29°)	-	-	-	-	-	-
CHARLOTTESVILLE 2 W	97	6-3+	7	2-3	3-10 (23°)	3-25 (28°)	4-18 (32°)	11-4 (25°)	11-4 (25°)	11-19 (20°)	254	224	200
CHASE CITY	98	6-3	-	-	-	-	-	-	-	-	-	-	-
CHATHAM 2 NE	99	6-3	6	12-17	3-27 (24°)	4-18 (27°)	4-21 (32°)	9-30 (32°)	11-4 (24°)	11-4 (24°)	222	200	162
CHERTON	-	-	-	-	2-11 (24°)	3-27 (27°)	3-27 (27°)	-	-	-	-	-	-
CLARKSVILLE	104	6-3	-	-	3-17 (24°)	3-27 (26°)	4-18 (29°)	-	-	-	-	-	-
COLUMBIA	99	7-24	5	2-4+	3-27 (22°)	4-18 (28°)	4-21 (31°)	10-26 (31°)	11-4 (26°)	11-9 (22°)	227	200	188
CROZET 2 N	97	6-2	5	2-3+	3-10 (23°)	3-27 (25°)	4-18 (29°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	239	222	200
CULPEPER	-	-	-4	2-4	3-27 (19°)	-	-	9-29 (31°)	11-4 (19°)	11-4 (19°)	222	-	-
DAHLGREN PROV. GROUNDS	98	6-2	13	2-8+	2-10 (16°)	2-11 (25°)	3-26 (32°)	11-3 (29°)	11-18 (24°)	11-18 (24°)	281	280	222
DALE ENTERPRISE	95	6-2+	2	12-16+	4-18 (23°)	4-18 (23°)	4-21 (30°)	10-26 (32°)	11-4 (25°)	11-6 (23°)	202	200	191
DANTE	92	6-25	-	-	-	-	4-18 (30°)	11-3 (28°)	11-3 (28°)	11-9 (21°)	198	198	158
DANVILLE	102	6-2	8	12-17	2-11 (16°)	3-27 (25°)	3-27 (25°)	11-4 (26°)	11-4 (26°)	11-18 (24°)	280	222	222
DANVILLE CAA AP	102	6-2	9	12-17	2-11 (17°)	3-17 (25°)	3-27 (29°)	11-4 (27°)	11-4 (27°)	11-9 (24°)	271	232	222
DIAMOND SPRINGS	96	6-24	16	2-4+	2-10 (23°)	3-27 (28°)	3-27 (28°)	11-4 (30°)	11-19 (27°)	12-16 (22°)	309	237	222
ELKWOOD 7 S	98	6-2+	-1	12-17	3-27 (19°)	4-21 (28°)	4-24 (31°)	9-29 (31°)	11-4 (19°)	11-4 (19°)	222	197	158
EMORY	-	-	-	-	3-22 (22°)	4-18 (26°)	4-18 (26°)	10-9 (29°)	10-10 (27°)	10-12 (24°)	204	175	174
EPISCOPAL HIGH SCHOOL	97	6-3	8	12-17	3-22 (24°)	3-22 (24°)	3-27 (27°)	11-4 (25°)	11-4 (25°)	11-19 (24°)	242	227	222
FALLS CHURCH	97	6-2	5	12-17	3-27 (24°)	3-27 (24°)	4-18 (32°)	11-3 (31°)	11-4 (23°)	11-4 (23°)	222	222	199
FARMVILLE	100	6-2	4	2-4	4-18 (24°)	4-18 (24°)	4-24 (32°)	9-30 (31°)	11-4 (23°)	11-4 (23°)	200	200	159
FLOYD	95	6-2	0	2-3+	3-22 (22°)	4-18 (25°)	4-18 (25°)	10-10 (31°)	11-3 (26°)	11-4 (24°)	227	199	175
FORT LEE	98	6-2	6	12-17	2-24 (22°)	4-18 (28°)	4-21 (32°)	11-3 (27°)	11-3 (27°)	11-9 (22°)	258	199	196
FREDERICKSBURG	100	6-3+	4	2-4+	3-27 (21°)	4-18 (25°)	4-21 (32°)	10-27 (31°)	11-4 (20°)	11-4 (20°)	222	200	189
FRONT ROYAL CAA AP	97	9-1	-2	12-17	3-27 (20°)	4-18 (26°)	4-24 (32°)	9-30 (31°)	10-10 (28°)	11-3 (21°)	221	175	159
GLEN LYN	94	6-24	1	2-3	3-22 (23°)	4-18 (25°)	4-24 (32°)	10-10 (30°)	11-3 (27°)	11-5 (21°)	228	199	169
GLENYS 1 S	-	-	-	-	-	-	-	11-4 (25°)	11-4 (25°)	11-19 (24°)	-	-	-
GORDONSVILLE CAA AP	98	6-2+	-2	2-4	4-18 (24°)	4-21 (28°)	4-24 (32°)	9-29 (30°)	11-3 (20°)	11-3 (20°)	199	186	158
HALIFAX	102	6-2	6	2-4	3-27 (22°)	4-18 (26°)	4-21 (31°)	10-26 (32°)	11-4 (24°)	11-4 (24°)	222	200	188
HOLLAND 1 E	100	6-25+	10	2-4	2-10 (21°)	3-27 (25°)	4-21 (32°)	10-20 (31°)	11-4 (28°)	11-19 (22°)	282	222	182
HOPWELL	98	7-12+	9	2-4+	2-9 (19°)	3-27 (27°)	4-18 (29°)	11-4 (28°)	11-4 (28°)	11-9 (24°)	273	222	200
HOT SPRINGS	89	6-2+	-2	2-3	4-18 (21°)	4-18 (21°)	4-24 (29°)	9-29 (29°)	11-3 (25°)	11-4 (23°)	200	199	158
JOHN H. KERR DAM	105	6-3	8	12-17	3-27 (24°)	3-27 (24°)	4-21 (32°)	11-4 (30°)	11-5 (28°)	11-9 (24°)	-	-	-
LANGLEY AIR FORCE BASE	96	7-23	-	-	-	-	3-27 (30°)	11-18 (32°)	11-19 (28°)	12-16 (19°)	-	-	236
LAWRENCEVILLE	99	6-2	6	12-17	3-27 (22°)	4-18 (28°)	4-21 (31°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	222	200	197
LEE KCP FOREST	99	6-2	1	12-17	3-11 (22°)	3-17 (26°)	4-21 (30°)	11-4 (30°)	11-5 (28°)	11-6 (24°)	240	233	197
LEXINGTON	94	6-3	5	12-17	3-27 (23°)	4-18 (27°)	4-18 (27°)	10-12 (32°)	11-4 (23°)	11-4 (23°)	222	200	177
LINCOLN	100	6-2	-1	12-17	3-27 (24°)	3-27 (24°)	4-21 (32°)	11-3 (30°)	11-4 (21°)	11-4 (21°)	222	222	196
LOUISA	99	7-23	3	12-17	3-27 (22°)	4-18 (27°)	4-21 (32°)	11-4 (24°)	11-4 (24°)	11-4 (24°)	222	200	197
LURAY	96	6-2	-1	2-3	4-18 (22°)	4-18 (22°)	4-18 (22°)	9-29 (30°)	11-4 (20°)	11-4 (20°)	200	200	164
LYNCHBURG WB AP	96	6-2+	8	12-16+	3-10 (24°)	3-25 (28°)	4-18 (31°)	11-3 (27°)	11-3 (27°)	11-4 (23°)	239	223	199
MANASSAS	97	6-2	1	12-17	3-27 (21°)	4-18 (28°)	4-21 (31°)	11-3 (32°)	11-4 (20°)	11-4 (20°)	222	200	196
MARTINSVILLE FILT PL	98	6-3+	4	12-17	4-18 (22°)	4-18 (22°)	4-24 (32°)	9-30 (30°)	10-12 (28°)	11-4 (22°)	200	177	159
MATHWS 1 SSW	96	7-23	7	12-17	3-27 (24°)	3-27 (24°)	4-21 (32°)	11-4 (26°)	11-4 (26°)	11-19 (24°)	237	222	197
MONS	98	7-22	-2	12-16	3-22 (18°)	4-18 (26°)	4-18 (26°)	9-29 (32°)	11-3 (23°)	11-3 (23°)	226	199	164
MONTBELLO	90	6-2	-3	2-8	4-18 (22°)	4-18 (22°)	4-20 (29°)	-	10-25 (27°)	10-29 (22°)	194	190	-
MONTREY	89	7-13+	-	-	4-18 (19°)	4-20 (26°)	4-24 (30°)	10-21 (32°)	11-3 (28°)	11-5 (23°)	201	197	180
MOUNT JACKSON	96	7-22+	-	-	4-18 (23°)	4-18 (23°)	4-24 (31°)	-	-	-	-	-	-
MOUNT WEATHER	94	8-11	-2	12-18+	3-27 (22°)	3-27 (22°)	4-20 (30°)	10-27 (30°)	11-3 (26°)	11-6 (20°)	224	221	190
NEW CANTON	96	7-12	2	2-4	3-27 (20°)	4-18 (27°)	4-21 (29°)	10-26 (32°)	11-4 (23°)	11-4 (23°)	222	200	188
NEWPORT NEWS	100	6-25+	17	2-4+	2-10 (22°)	3-10 (28°)	3-26 (32°)	11-10 (32°)	11-20 (25°)	12-16 (20°)	309	255	229
NORFOLK WB AP	96	6-28	17	2-4+	2-9 (22°)	2-10 (26°)	3-27 (29°)	11-4 (31°)	11-19 (27°)	12-16 (20°)	310	282	222
NORFOLK WB CITY	96	6-2+	18	2-8	2-9 (22°)	2-10 (26°)	3-11 (32°)	11-19 (29°)	12-16 (21°)	12-16 (21°)	310	309	253
ONLEY 1 S	96	7-23	12	2-4+	3-27 (24°)	3-27 (24°)	3-27 (24°)	11-4 (27°)	11-4 (27°)	11-21 (24°)	239	222	222
PENNINGTON GAP 1 W	95	9-2	1	2-2+	3-27 (24°)	4-19 (28°)	4-19 (28°)	10-9 (31°)	11-3 (21°)	11-3 (21°)	221	198</	

TEMPERATURE EXTREMES AND FREEZE DATA

VIRGINIA
1951

Table 3-Continued.

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
WATERFORD	93	7-24	6	12-17	3-11 (24°)	3-28 (28°)	3-28 (28°)	11- 3 (32°)	11- 4 (25°)	11-19 (24°)	253	221	220
WAVERLY HILLS	96	6- 2+	8	12-17	3-10 (24°)	3-27 (27°)	3-27 (27°)	11- 3 (32°)	11- 4 (23°)	11- 4 (23°)	238	222	221
WILLIAMSBURG	98	6- 2	-	-	-	-	-	-	-	-	-	-	-
WINCHESTER 2 SSW	95	6- 2+	- 5	12-17	3-27 (23°)	4-18 (28°)	4-18 (28°)	11- 3 (32°)	11- 4 (21°)	11- 4 (21°)	222	200	199
WOODSTOCK	97	6- 2	- 1	12-17	3-27 (22°)	4-18 (28°)	4-21 (31°)	11- 3 (30°)	11- 4 (22°)	11- 4 (22°)	222	200	196
WYTHEVILLE	90	6- 3	0	2- 3	4-18 (22°)	4-18 (22°)	4-18 (22°)	9-29 (29°)	10-10 (26°)	11- 2 (23°)	198	175	164

See reference notes following Station Index.

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA
1951

Table 4

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
CHARLOTTESVILLE 1 W	EVAP	-	-	-	-	-	-	-	6.16	4.91	3.47	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	-	-	-	-	795	856	*	V2352	-	-	
HOLLAND 1 E	EVAP	-	-	-	85.96	86.67	87.17	86.88	-	83.87	2.55	-	-	-	
	DEP	-	-	-	-	-	-	-	-	-	-	-	-	-	
	WIND	-	-	-	-	1650	1192	857	-	-	1343	-	-	-	

STATION INDEX

VIRGINIA
1951

Station	Index No.	County	Drainage [†]	Latitude	Longitude	Elevation	Years of record			Opened or closed during yr.	Refer to tables
							Temp.	Precip.	Evap.		
ABINGDON	0013	WASHINGTON	14	36 42	82 00	2000	10				2
AFION BOXWOOD GARDENS	0055	NELSON	34	36 02	78 50	1250	21				2
ALEXANDRIA POTOMAC YARDS	0099	ARLINGTON	25	38 49	77 03	201	14				1 2 3
ALTAVISTA	0166	CAMPBELL	35	37 06	79 18	503	6				2
AMISSVILLE	0193	RAPPAHANNOCK	33	38 41	78 01	550	8				2
ANNANDALE	0216	FAIRFAX	29	38 49	77 12	310	5				1 2 3
APPOMATTOX	0243	APPOMATTOX	16	37 21	76 50	825	13				1 2 3
ASHLAND	0327	HANOVER	9	37 46	77 29	220	39				1 2 3
AUGUSTA SPRINGS 2 SW	0357	AUGUSTA	6	38 05	79 21	1550	10				1 2 3
BAILEY'S CROSS, ROADS	0403	FAIRFAX	29	38 51	78 08	255	2				1 2 3
BALCONY FALLS	0411	ROCKBRIDGE	16	37 38	79 27	725	4				1 2 3
BEDFORD	0551	BEDFORD	27	37 20	79 32	950	23				1 2 3
BERRYVILLE	0670	CLARKE	36	39 09	77 59	580	9				1 2 3
BIG KNOB	0712	SCOTT	14	36 40	82 30	3150	16				1 2 3
BIG MEADOWS	0720	WADSWORTH	33	38 51	78 26	3535	16				1 2 3
BLACKSBURG	0759	MONTGOMERY	23	37 15	80 25	2170	59				1 2 3
BLACKSTONE CAA AIRPORT	0792	BLAND	23	37 06	81 07	2000	1			SEPT	1 2 3
BLAND	0937	CAROLINE	19	38 03	77 21	225	2				1 2 3
BOWLING GREEN	0993	FLUVANNA	16	37 42	78 18	225	11				1 2 3
BRENO BLUFF	1037	WASHINGTON	14	36 36	82 10	1998	18				1 2 3
BRISTOL	1047	WASHINGTON	14	36 37	82 10	1920	13				1 2 3
BRISTOL TVA	1085	CAMPBELL	35	37 03	78 07	500	9				1 2 3
BROOKNEAL	1121	BOTETOURT	16	37 32	79 41	875	33				1 2 3
BUCHANAN 1 E	1136	BUCKINGHAM	39	37 33	78 32	500	16				1 2 3
BUENA VISTA	1159	ROCKBRIDGE	20	37 44	79 21	835	14				1 2 3
BUGGS ISLAND DAM	1180	MECKLENBURG	35	36 36	78 28	326	4			NOV	1 2 3
BURKES GARDEN	1209	TAZEWELL	23	37 06	81 20	3250	54				1 2 3
BUTLER	1252	CARROLL	23	36 48	80 55	2075	9				1 2 3
CAPE HENRY WB CITY	1362	PRINCESS ANNE	2	36 56	76 00	16	77				1 2 3
CAPRON	1375	SOUTHAMPTON	25	36 44	77 15	50	11				1 2 3
CATAWBA SANATORIUM	1471	ROANOKE	7	37 23	80 05	1900	40				1 2 3
CHANTILLY	1570	FAIRFAX	29	38 53	77 26	320	4				1 2 3
CHARLOTTE COURT HOUSE	1571	CHARLOTTE	33	37 53	78 38	460	6				1 2 3
CHARLOTTESVILLE 2 W	1593	ALBEMARLE	34	38 02	78 31	870	8				1 2 3
CHARLOTTESVILLE 1 W	1598	ALBEMARLE	34	38 02	78 31	540	1			1 2 3 4	1 2 3
CHASE CITY	1606	MECKLENBURG	35	36 48	78 28	540	4				1 2 3
CHATHAM 2 NE	1614	PITTSYLVANIA	3	36 50	79 22	700	28				1 2 3
CHATHAM SCS	1619	PITTSYLVANIA	3	36 45	79 25	852	5				1 2 3
CHERRITON	1636	NORTHAMPTON	2	37 17	75 58	11	15				1 2 3
CHICKOTAQUE	1683	ACCOMAC	2	37 56	75 26	26	10				1 2 3
CHURCHVILLE	1708	AUGUSTA	29	38 14	79 10	1475	6				1 2 3
CLARENDON LYON PARK	1729	ARLINGTON	29	38 54	77 05	225	24				1 2 3
CLARKSVILLE	1746	MECKLENBURG	35	36 38	78 24	286	32				1 2 3
CLEVELAND	1776	RUSSELL	10	36 57	82 09	1540	18				1 2 3
CLINTON FORGE	1801	ALLEGANY	15	37 49	79 50	1055	27				1 2 3
CLINCHCO	1808	DICKENSON	37	37 10	82 19	1525	26			SEPT	1 2 3
CLINTCHPORT	1816	SCOTT	109	40 48	82 45	1260	56				1 2 3
COLUMBIA	1929	FLUVANNA	16	37 46	78 09	300	49				1 2 3
CONCORD 5 S	1955	CAMPBELL	35	37 17	78 58	650	2				1 2 3
COTTS STORE	1986	ROCKINGHAM	38	38 38	79 51	1050	9				1 2 3
COPPER HILL	1998	FLOYD	23	37 05	80 08	2800	11				1 2 3
COVINGTON	2004	ALLEGANY	15	37 46	80 07	1245	9				1 2 3
CROZET 2 N	2138	ALBEMARLE	34	38 05	78 42	750	9				1 2 3
CULPEPER	2155	CULPEPER	32	38 29	77 59	475	42				1 2 3
DALHAGEN PROVING GROUNDS	2195	KING GEORGE	29	38 20	77 02	18	32				1 2 3
DALE ENTERPRISE	2208	ROCKINGHAM	38	38 27	78 56	1350	69				1 2 3
DAMASCUS	2216	WASHINGTON	14	36 38	81 48	1950	25				1 2 3
DANTE	2237	RUSSELL	10	36 59	82 07	1765	34				1 2 3
DANVILLE	2245	PITTSYLVANIA	13	36 36	79 23	565	34				1 2 3
DANVILLE CAA AIRPORT	2250	PITTSYLVANIA	13	36 34	79 20	590	8				1 2 3
DARWIN	2264	DICKINSON	12	37 05	82 30	1500	10				1 2 3
JAVENPORT	2269	BUCHANAN	37	37 07	82 06	1600	10				1 2 3
DEERFIELD 2 NE	2315	AUGUSTA	6	38 13	79 22	1800	25				1 2 3
DELAPLANE	2326	FAUQUIER	29	38 35	77 55	460	10				1 2 3
DIAMOND SPRINGS	2368	PRINCESS ANNE	2	36 54	76 12	25	43				1 2 3
DRIVER 5 NE	2404	NANSEMOND	23	37 52	77 10	1475	17				1 2 3
DUNBAR	2538	WISE	10	36 58	82 45	2000	17				1 2 3
DUNNANNOH	2548	SCOTT	10	36 50	82 26	2500	17				1 2 3
ELKWOOD 7 S	2729	CULPEPER	33	38 26	77 46	514	11				1 2 3
EMORY	2782	WASHINGTON	14	36 45	81 50	2150	26				1 2 3
EMPORIA 1 WNW	2790	GREENVILLE	21	36 41	77 33	80	21				1 2 3
EPISCOPAL HIGH SCHOOL	2809	FAIRFAX	29	38 49	77 05	2150	5				1 2 3
FAIRFAX	2890	FAIRFAX	29	38 51	77 18	440	3				1 2 3
FALLS CHURCH	2922	FAIRFAX	29	38 53	77 11	315	3				1 2 3
FARMVILLE	2941	PRINCE EDWARD	1	37 18	78 23	450	30				1 2 3
FIELEDALE	2985	HENRY	40	36 43	79 57	760	8				1 2 3
FLOYD	3071	FLOYD	23	36 55	80 18	2600	19				1 2 3
FLOYD 2	3072	FLOYD	23	36 55	80 18	2600	6				1 2 3
FORT LEE	3127	PRINCE GEORGE	1	37 14	77 20	60	2				1 2 3
FREDERICKSBURG	3192	SPOTSYLVANIA	33	38 18	77 28	100	58				1 2 3
FREDERICKSBURG EMBRY PLANT	3197	SPOTSYLVANIA	33	38 19	77 29	25	5				1 2 3
FRONT ROYAL CAA AIRPORT	3231	WARREN	38	39 00	78 14	677	13				1 2 3
GALAX	3267	GRAYSON	23	36 48	80 54	2500	1				1 2 3
GALAX 3 S	3268	GRAYSON	23	36 38	80 54	2520	1			JUNE	1 2 3
GILES	3397	GILES	23	37 20	80 49	1524	19				1 2 3
GLENN 1 S	3401	GLoucester	19	37 37	76 37	105	1			JUNE	1 2 3
GORDONVILLE CAA AIRPORT	3462	LOUISA	24	38 04	78 10	438	6				1 2 3
GOSHEN	3470	ROCKBRIDGE	16	37 59	79 30	1300	12				1 2 3
GROSCLOUSE	3623	WYTHE	14	36 52	81 20	2590	9				1 2 3
GROVTON	3635	FAIRFAX	29	38 46	77 06	245	1			NOV	1 2 3
GRUNDY	3640	BUCHANAN	17	37 16	82 06	1000	3				1 2 3
HALIFAX	3650	HALIFAX	3	36 46	76 57	425	4				1 2 3
HAYSI	3863	WICKINSON	37	37 13	82 17	1350	10				1 2 3
HIGH KNOB	3959	WISE	10	36 54	82 38	4150	16				1 2 3
HILLSVILLE	3991	CARROLL	23	36 46	80 44	2570	9				1 2 3
HOLLY ISLAND LITTLE MACHIPONGO	4031	NORTHAMPTON	2	37 28	75 41	5	10				1 2 3
HOLLAND 1 E	4044	NANSEMOND	4	36 49	76 47	80	19				1 2 3
HOLSTON	4068	WASHINGTON	14	36 50	82 05	3450	17				1 2 3
HONAKER	4078	RUSSELL	10	37 01	81 59	1950	16				1 2 3
HONAKER 3 NE	4083	RUSSELL	10	37 03	82 02	2200	17				1 2 3
HOPEWELL	4101	PRINCE GEORGE	16	37 17	77 18	40	59				1 2 3
HOT SPRINGS	4128	THURMONT	15	38 00	79 50	2195	58				1 2 3
HURDLESTON	4148	BEDFORD	27	37 15	79 25	985	9				1 2 3
HURLEY	4185	BUCHANAN	42	37 26	82 02	995	5				1 2 3
INDEPENDENCE	4229	GRAYSON	23	36 36	81 07	2550	11				1 2 3
INDIAN VALLEY	4246	FLOYD	23	36 54	80 34	2700	11				1 2 3
JENELL RIDGE	4404	TAZEWELL	10	37 11	81 47	2750	17				1 2 3
JOHN H. KERR DAM	4414	MECKLENBURG	35	36 48	78 25	3250	1			NOV	1 2 3
JONESVILLE	4440	LEE	10	36 43	83 05	1525	17			JUNE	1 2 3
JONESVILLE 2 SSE	4448	LEE	10	36 40	83 06	1375	5				1 2 3
JORDAN MINES	4452	ALLEGANY	15	37 41	80 05	1550	10				1 2 3
KEES CREEK	4455	ROCKBRIDGE	20	37 51	79 31	1400	10				1 2 3
LAFAYETTE 1 NE	4676	MONTGOMERY	35	37 14	80 13	1280	1			JUNE	1 2 3
LANGLEY AIR FORCE BASE	4720	ELIZABETH CITY	6	37 04	76 22	9	65			145	1 2 3
LAWRENCEVILLE	4768	BRUNSWICK	21	36 46	77 51	254	6				1 2 3
LEE EXPERIMENTAL FOREST	4802	BUCKINGHAM	39	37 32	78 33	500	10				1 2 3
LEXINGTON	4876	ROCKBRIDGE	20	37 47	79 26	1060	73				1 2 3
LOUDBURN	4905	LOUDBURN	29	39 07	77 43	500	50				1 2 3
LOUISA	5050	LOUISA	24	38 01	78 00	437	36				1 2 3
LOVES MILL	5057	WASHINGTON	14	36 45	81 41	2050	17				1 2 3
LURAY	5096	PAGE	38	38 40	78 23	1120	10				1 2 3
LYNCHBURG 7TH ST BRIDGE	5115	CAMPBELL	16	37 25	79 09	9	2				1 2 3
LYNCHBURG WB AIRPORT	5120	CAMPBELL	16	37 20	79 12	947	80				1 2 3
MAVASSA	5213	PR. WILLIAM	26	38 45	77 28	312	4			35	1 2 3
MARION	526										

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) indicate 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 date (dates) or months.
- * Amount included in following measurement.
- // Gage is equipped with 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 9 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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