U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary
WEATHER BUREAU
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CLIMATOLOGICAL DATA

VIRGINIA

ANNUAL SUMMARY 1954 Volume LXIV No. 13



WEATHER SUMMARY

GENERAL

The weather story of 1954 contains many and varied chapters, but the violence and destruction brought about by "Hazel" make that storm by far the most outstanding feature of the year. Prolonged drought, particularly in some sections, had been the main topic for discussion, but "Hazel" quickly stole the show and in a few short hours wrought more havoc than did several months of deficient rainfall. Of more than passing interest was the almost total lack of flooding, and the small number of destructive local storms that were experienced.

TEMPERATURE

Spring seemed to be in a hurry to arrive, only to suffer an apparent case of stagefright and back off to gain impetus for another try. January, March, and May were near or below normal, with May being particularly cold for the time of year. Both February and April were more than 5° warmer than the long-term average. The highest average temperature for the year was 61.2° at Hopewell, while the lowest was 48.6° at Big Meadows. The highest maximum temperature recorded was a sizzling 110° at Balcony Falls on July 15th. At the other end of the scale, Berryville registered -11° on January 18th for the lowest minimum of the year. Danville had the most days with temperature 90° or above, 83, Chilhowie 1 S and Mount Weather, each with 143, tied for the most days 32° or below; 8 stations reported temperatures 0° or below, Burkes Garden having the most with 3; and Monterey had 28 days when the temperature failed to climb above freezing, to lead in that respect.

The year began in routine fashion, but February averaged 5.6° above the long-term figure and was the eighth warmest of record. March was slightly cooler than usual, but April was 5.1° warmer than the long-term average and established a new record for warmth for the month. The old 1941 record of 58.7° was bettered by 1.2°. May was quite cold for the time of year and was the sixth coldest of record. The summer and early fall months were hotter than usual, particularly September and October. The 110° maximum in July tied with the reading of July 5, 1900 for the all-time high for the State. The September maximum of 107° tied with 1895 for second high for the month, 108° having been recorded in 1932. The 100° maximum in October was second high for the month, 101° having occurred in 1941. The rather sudden switch from well above to well below average made November seem even colder than it actually was, and December continued to be colder than usual.

PRECIPITATION

As can be seen from the isohyetal map which follows this summary, precipitation was quite spotty over the State. Serious

drought conditions prevailed over the southern portion of the Great Valley Division during much of the year, and rainfall was generally deficient over the extreme northeast portion of the Tidewater Division. The middle third of the Great Valley Division and the extreme southwestern part of the Middle Division received the most generous amounts. The greatest annual total, 58.06 inches, was measured at Woolwine 4 S, while the smallest, 26.78 inches, was recorded at Fairfax. "Hazel" thoroughly drenched Big Meadows with 10.71 inches on October 15th, the greatest 24-hour amount reported. Damascus had the most days with 0.10 inch or more with 95, while Piedmont Field Station had the fewest with 57. Pulaski CAA Airport had the most days with 1.00 or more with 22.

The first five months of the year were alternately above and below the long-term averages, but for the most part rainfall was adequate. Some stations in the extreme western portion, however, had deficient rainfall throughout this period. Rainfall was below the usual expectancy over most parts of the State for the next four months, but particularly so in June and September. The June average of 2.12 inches was the second lowest ever recorded for the month, 2.11 having occurred in 1926. Several Septembers have had less rainfall, but prolonged deficient rainfall for the preceding three months made this year's dryness of greater significance. The last three months of the year produced ample rainfall, especially October, and served to alleviate the critical moisture situation in practically all sections.

SNOWFALL

Snowfall for the year averaged only about three-fourths of the normal expectancy, January being the only month with fairly heavy amounts. Big Meadows, with 39.0 inches, had the greatest reported total, while 1.5 inches at Altavista was least. The greatest reported depth on the ground was 13 inches at New Canton on January 23rd. The January snows, while fairly heavy, were spaced so that interruptions to the flow of traffic were both infrequent and of brief duration. The February average of only 0.2 inch was the second smallest of record, only a trace having been recorded in 1925. Late spring and early winter snows were of but little consequence.

FLOODS

Throughout the year floods were conspicuous by their absence. Even "Hazel" was able to produce only temporary - though sharp - rises, and some minor lowland flooding. Rather than high water worries, most sections found streams at near record lows during the latter part of the drought, and some small streams dried up completely. At the end of the year prolonged rains produced some minor lowland flooding in the lower reaches of the James River.

UNUSUAL PHENOMENA

Of chief importance was the northward passage over the eastern portion of the State of a hurricane called "Hazel". The usual severe summertime storms paled into insignificance when compared to the destruction wrought by the "BIG" storm. There were no reports of severe local storms until May, and even then thunderstorm activity was below the usual expectations for the month. June, too, produced fewer than the usual number of thunderstorms, but a rather severe storm made its way across the northern half of the State on June 26th. A minor tornado was reported in the vicinity of Rappahannock. Wind damage was widespread, and there was minor hail and lightning damage. The three months, July through September, were singularly free from severe storms, though there was considerable local thunderstorm activity. The only storms of consequence were a small tornado in Halifax County on August 15th and tornadic winds in the vicinity of Norfolk on August 5th. On October 15th, "Hazel" ripped its way northward across the eastern portion of the State. Property damage was estimated at "millions upon millions of dollars". There were 13 deaths attributable to the storm, and "many" injuries, mostly minor. Communication lines suffered a major blow, mostly from fallen trees, Shenandoah Valley turkey growers lost between 150 and 250 thousand birds, and marine losses ran high. A more detailed description of this vicious storm can be found in the October 1954 issues of this publication and "Climatological Data, National Summary". Old Man Weather evidently had given his all with "Hazel", for there was no further severe storm activity. Two more lives were lost, however, on November 6 along the James River near Smithfield, when a fishing party became lost in darkness during strong winds and rain that later turned to snow. Death was due to exposure; one other member of the party was hospitalized, but survived.

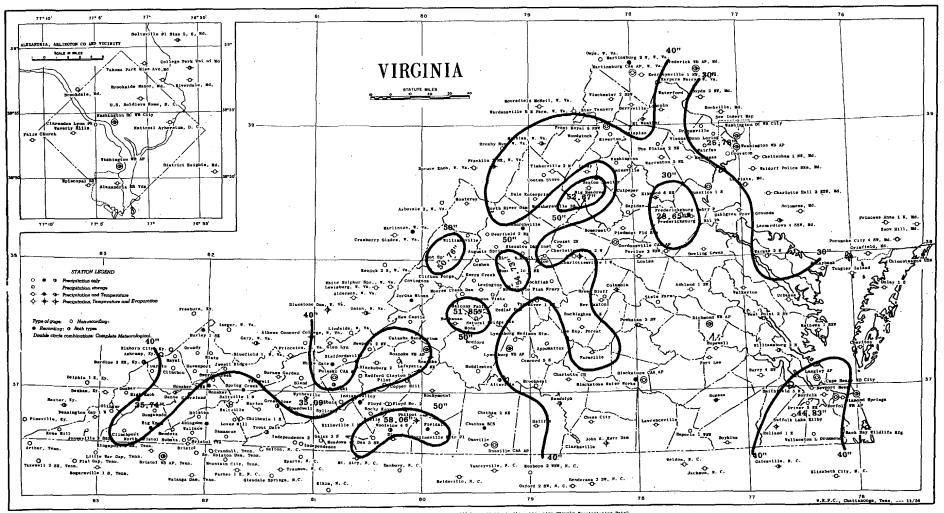
CROPS

The January rains were beneficial to small

grain fields and brought some pasture improvement, but served to delay soil preparation the last half of the month. February was unusually favorable for outdoor work, and by the end of the month plowing was well ahead of schedule. Practically all flue-cured tobacco had been planted by the end of the month, and orchard pruning was well advanced. March continued to be favorable, though heavy rains early in the month delayed outdoor work. Seasonal temperatures held back the peach bloom, and apples continued dormant. April was favorable for continued good growth. The freeze of the 5th caught peaches in full bloom in central areas and commercial orchards in Albemarle, Madison, and part of Nelson Counties were severely damaged. Wet and unseasonably cool weather in May were especially detrimental to cotton and peanuts, and served to delay planting. Crops already planted made but little progress. Pasture land, as well as commercial potatoes, cabbage, and peas fared well, but most other crops were retarded. Lack of rain in June had a detrimental effect on most areas, pastures being hardest hit. Extension of the drought in July and August saw more and more farmers forced to feed stock on hay and silage. Some areas received reasonably adequate rainfall, however, and prospects were much better in those sections. September was a good harvesting month, and much progress was made. Fall plowing and seeding of small grain made good progress, except in the severe drought area. A good crop of apples matured and harvesting was very active during late September and early October. "Hazel" resulted in substantial loss to apples through bruising and windfall, but a good portion of the damaged fruit was salvaged. Crop yields varied greatly, ranging from poor in the severe drought area to good in sections fortunate enough to receive more adequate rainfall. Pastures showed improvement and winter grains were in fair to good condition at the end of the year.

Details of each month's weather may be found in the individual monthly issues of this publication. - V. D. Steves

ANNUAL PRECIPITATION, 1954



Hourly precipitation data from recorder stations will be available in the publication "Hourly Precipitation Data".

Table 1	,		A١	/ LN.	AGI	7 15	IVIP	CAP	110	UES	Aľ	ו עו	JEP.	AKI	UK	ro i	'NO	יו ועו	OK	MA.	L				V	IRGINIA 1954
	Jan	uary	Feb	ruary	Ма	rch	Ap	oril	м	lay	Jt	ne	Ju	dy	Au	gust	Septe	mber	Octo	ber	Nove	mber	Dece	mber	Ann	ual
Station	Temperature	Departure	Temperature	Departure	Тетрегавиге	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
ALEXANDRIA POTOMAC YDS ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS BEDFORD	37.8 38.2M 43.2 35.9 38.6	2.7	47.1 40.9		46.8 47.7 49.9 44.7 47.2	.8	61.6 60.4 59.8 61.0	5.9 5.1	63.4M 62.0 64.1 60.0 61.4	- 3.0 - 4.1	75.5 72.9 75.1 72.0 73.1		79.4 76.0 77.4M 75.9 76.1	7	76.8 75.4 78.0 74.1 74.7	•5	74.1 73.7 73.6 69.6 70.3		M 62.3 65.4 57.8 59.4	1.2	47.0M 45.7M 50.5 41.9 44.1	- 1.3	38.1M 38.1 40.8 35.5 37.2	•1 ~ 2•1	58.2 60.4 55.7 57.3	1.8
BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTONE CAA AP BOWLING GREEN	31.6 30.3M 35.1 38.7 39.6	1.6	38.5 35.1 39.5 45.4 46.7	5.9	40.7 37.2 40.9M 47.1 49.2	6	56.0 53.4 56.3 61.4 62.1	7.4	57.4 52.9M 56.3 62.4 63.1	- 3.7	69.4 63.9M 68.7 73.9 74.6	•0	72.7 68.3M 73.2 78.0 78.0	2.0	71.3 65.4M 71.6 76.8 76.7	1	67.6 63.5M 67.1M 74.7 74.9	3.8	56.7 49.24 56.3 62.0 63.8	- 1.8	41.1 35.9M 39.6 45.9 48.3M	- 3.3	33.7 27.7M 32.1 38.0 39.0	- 2•1	53.0 48.6 53.1 58.7 59.7	.8
BOYKINS BRISTOL BUCHANAN BURKES GARDEN CAPE HENRY WB CITY	39.5 38.5 33.7 42.4		36.2	8.7 4.3 3.8 4.4	46 • 2 37 • 9	- 2.5	63.2 62.5 61.3 54.4 60.5	5.9 6.3	64.4 60.2 60.9 49.9 63.9	- 4.1 - 3.9 - 7.2 - 1.6	75.3M 72.6 72.6 63.9M 75.1	- +1	77.5M 77.4M 76.0 68.5 77.8	3.2 .1 1.3	74.5			2.0	60.6M 58.5 59.1 50.5 65.5	1.0	45.7 45.1 44.1 37.9 50.7	- 2.4	39.8M 37.1 38.0 29.9 42.6	1.1 5 - 3.0 - 1.5	57.9 57.2 49.3 60.5	3.3 .5 .0
CAPRON CATAWBA SANATORIUM CHANTILLY CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	42.2M 36.9 33.9 38.3M 36.8	-3.9		8.9 5.1 6.2	44.5 42.3 46.6M 46.3	- •7 - •1	59.2 57.9 61.4M 60.8	5.3 5.1	58.4 59.7 61.9M 62.5	- 4.1 - 3.4	71.0 71.3 74.0 73.8	1.3	74.3 75.0 77.6M 77.4	1.6	73.1 76.8M 76.8		70 • 2 72 • 8 M 74 • 4		57.8 61.1M 63.2		42.7 44.4M 44.6	- 3.0	35.5 36.3M 36.7	- 2.4 - 1.5	55.6 57.9 58.1	1.3
CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S	37.8M 40.9 38.3 M 36.5	- 1•1	43.7 47.0 44.1 46.2M 39.2		45.7M 49.4 47.1 48.9M 40.8	6	60.6 63.4 60.7 60.9M 57.0	3.9 3.5	61.7M 63.7 61.6 63.6M 56.1	- 4.4 - 4.3	73.1 75.4 73.2 75.5N 69.7	- 1.0 2	76.6 78.8 76.9 78.4M 73.0	2 -1	76.3 77.1 76.5 79.4M 72.0	1.1		2.9	62.3 62.7 61.5 M 54.6	2.7	45.0 46.0 44.1 50.1M 40.3	- 3.9 - 1.9	37.2 39.0 36.8 41.3M 32.6	- 3.3 - 1.2	57.7 59.9 57.8 53.2	
CLARKSVILLE COLUMBIA CROZET 2 N CULPEPER DAHLGREN PROV GROUND	39.5 37.0 37.1 35.3M 36.2	2.0 .0	41.3M 44.4 43.0	445 348 647 548	46.2 44.2	9 - 1.1 7	59.6M 61.1 M 59.3		61.3 60.6 M	- 3.8	72.9 72.9 71.9 73.5	ì	76.4 77.1 75.4M 77.8	3 .9	76+0 76+1 74+7 75+7	1:1 :8 :5		4.0	61.9 60.8 70.0 61.9	4.7	43.4 45.8 44.0 44.9	- 1.2	36.6M 37.2 35.9M 37.9	- 1.4 3 - 1.1	57•1 57•7 57•6	1.2
DALE ENTERPRISE DANTE DANVILLE DANVILLE DANVILLE CAA AP DIAMOND SPRINGS	33.7 34.8 40.8 39.7 43.1	- 1.3 - 6	39.2 46.6 45.8	5.1 3.9 4.3	42.2 44.0 49.3 47.8 51.2	- •7	57.2 59.6 63.9 63.3 61.8		57.6 M 63.4 62.9 64.7	- 4.9 - 4.1 - 1.6	68.9 72.9 75.3 75.3 75.8	- 1.1 3.7 7	79.1 78.5 78.9	7.0 6		4 4 1.4	73.8 74.6 74.5	1+3	57.1 58.2 62.3 61.4 65.4		41.1 42.8 45.3 45.2 50.5	- 2.0 - 4.4		- 1.8 - 3.4 - 3.2 - 2.5	59.6 59.2 61.1	,9
ELKWOOD 6 SE EPISCOPAL HIGH SCHOOL FALLS CHURCH FARMVILLE FLOYD	35.8M 36.7M 34.6 39.5 36.5	1.2 1.7	44.0 42.2M 44.6		44.8 45.9. 43.6M 47.9 43.2	•1 •2 • •4	60.3 61.0 59.3 62.4 58.3	4.7 6.9 5.7	60.7 63.1 62.1 61.8 56.8	- 4.7 - 4.4 - 5.2	71.7 73.6M 73.1M 73.0 70.1		76.0M 76.8 77.1 73.5	- 1.1 1.7	75.1 76.3 74.2 75.7M 72.5	1.7 7 1.6	71.8M 74.3 70.8 71.8 69.4	1.5	59.6 62.6 59.3M 61.1 57.0		42.1 45.3 43.0M 44.2M 41.0	- 4.4 - 3.8 - 3.2	34.9 34.9M 35.3M 37.3 34.7	9 - 1.7 9	56.2 58.0 54.5	.9 .4 1.2
FORT LEE FREDERICKSBURG FRONT ROYAL & NNW GLEN LYN GORDONSVILLE CAA AP	39.0 36.6M 32.5 38.0 35.4		46.5 42.1 39.7 43.4 40.4		47.5 44.8 41.5 45.1 43.7		61.7 58.7 57.2 59.7 58.5		53.0 52.1 58.6 59.3 60.0	1	73.3 73.9 71.0 71.1 71.6	1.4	77.1 77.1 74.6 75.5 75.5	1.5	75.9 75.7 72.3 73.9 74.7	ŀ	74.0 72.4 68.9 69.7 70.8		62.7 61.4 57.6 58.6 58.6	3.5 2.3	46.2 43.5 41.5 44.5 41.3	- 3.9 1	37.3 35.2 34.3 35.9 34.2	- 2•7 •0	58.7 56.9 54.1 56.2 55.4	.5 1.4.
HALIFAX HOLLAND 1 E HOPEWELL HOT SPRINGS JOHN M KERR DAM	39.7 39.1 41.4 33.6 38.2M		45.2 45.3 48.4M 38.0 44.2	7.5	48.9 48.5 51.2 40.5 48.2				62.1 62.9 65.4 55.2 63.5	- 4.4 - 2.3 - 4.7	74.7 74.6 76.5M 67.1 75.2	7 1.2	78:1 77:1 79:7 69:9 78:7	.0 .7 .4		1.7	73.7 72.7 76.0 64.7 74.0	4+2	61.6 63.5 64.8 52.1 63.0	4.9	44.7 47.8 47.7 38.6 45.5	- 1.9	37.5 38.5 40.1 31.8 37.4	- 3.3 9 - 1.6	58.9 51.2 51.2 58.9	2.1
LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXP FOREST LEXINGTON LINCOLN	41.3 41.3 M 37.9 35.3	3.5	46.9 46.4 43.9 42.0	8.0	49.4 49.5 46.4 44.2	2.3	61.6 62.8 60.7 59.0	7.6	64.9 63.8 60.7 61.4	- 1.1 - 2.1 - 2.9	74 • 1 72 • 9M 71 • 4	•7	79.2 78.1 74.6 75.6	.0 - •1	78.8M 78.2 74.2 73.1	1.2	75.0 73.7 70.4M 69.8 69.2	3.0	65.2 62.4 62.6M 58.1 59.5	3.2	49.1 46.7 41.8 43.0 42.7	- 1.3 8 - 3.0	38+8 33+0M 36+5	- 1.4 5	50.7 59.7 56.5 55.9	2.3 1.0
LOUISA LURAY LYNCHBURG WB AIRPORT MANASSAS MARTINSVILLE FILT PL	37.4 35.7 37.2 35.2 38.9	1.8 5 .6	43.8 43.1	5.6 4.6	46.2 44.9 45.4 43.0M 46.6	- 1.0	61.0 59.2 60.4 M 61.0	!	51.8 59.1 60.8 60.8 60.4	- 1:0 - 4:2 - 6:6	72.7 71.1 73.0 72.4M 71.8		74.5	1.0 .5 3	75+6 73+6 75+2 73+7M 74+6	l	72.4 71.0 72.6 70.8 70.0	3.8	61.0 59.6 59.9 60.8M 58.5		43.6 43.2 43.8 42.7M 42.9	- 2.1 - 3.5 - 4.8	36 • 1 35 • 5 M 37 • 1 35 • 7 36 • 4	- 1.3 - 1.8 - 2.6	57.3 55.9 57.1	2.1
MATHEWS 1 SSW MONS MONTEBELLO 3 NE MONTEREY MOUNT WEATHER	34.5M 35.3 30.5 28.4	- 2.0	39.7M 39.4 34.3 34.7	4.0	40.4M M 37.7 40.3	.9	57.3M 53.6 52.1	3.3	58.4M M 53.3 55.5	- 4.1	68.7M 66.3 69.0		67.5 71.0	6	70.3M 67.9M 69.3	6	72.3M 68.1M 63.4 65.5	.9	52.5 56.1	2.5	46.9 39.7 37.7 38.9	- 342	38.0 31.4M 26.4M 30.9	- 1.6	49.3 51.0	,1
NEW CANTON NEWPORT NEWS NORFOLK WB AIRPORT NORFOLK ONLEY 1 S	38.7 43.0 41.7 44.9 39.9	1.8	43.6 48.4 46.7 50.5 44.8	7.0	46.5 51.9 48.7 52.8 47.6	2.3	60.3 64.3 60.8 64.9 59.2	7.0	59.9 67.1 64.0 67.3 63.0		71.2 78.0 75.6 78.4 73.9	.9	75.1 78.0 76.2	1	74.7 80.7 77.9 80.1 75.7	2.3	71.0 76.1 73.8 76.0 71.6	1.8	60.4 65.4 64.6 66.5 63.4	3.5	44.0 50.6 50.0 51.8 47.5	- 1.4	36.8 42.1 41.3 44.2 39.8	- 1.5 - 1.5 3 - 1.7	56.9 60.3 58.5	1.1 1.1
PARTLOW 3 WNW PENNINGTON GAP 1 W PHILPOT DAM 2 PIEDMONT FIELD STATION POWHATAN 5 SW	36.5 36.3 38.9 37.6 37.5M	•0	42.9 40.6 42.0 43.7	4.1	45.8 41.0 46.0 46.0 M	- 3.5	59.7 58.1 58.9 60.4 61.9M	· 4•0	56.9 56.9 59.8 62.2 62.1	- 6.4	72.1 59.9 72.4 74.0 73.2	- 1.2	76.6 74.5 75.4 77.9M 76.6	.8	74.9 72.9 74.8 77.0M 76.5	- 45	71.7 68.3 71.3 73.7 72.8		60.3 56.0 60.2 63.0M 61.6	- 1.0	43.4 41.5 43.3 44.8 45.1	- 3.3	37.2 33.6 35.7 36.2 37.3	- 3.6	56.8 54.1 56.5 58.0	9
PULASKI CAA AP QUANTICO 1 S RICHMOND MB AP RICHMOND CHIMBORAZO PK ROANOKE	34.7 36.2 38.0 39.3 38.5	- •3	39.2 42.9 44.9 46.2 44.2	5 • 2 5 • 3	41.1 45.1 47.0 47.7 46.3	5 5 - 1.1	55.9 59.9 61.2 61.2	5.1	55.0 62.2 63.0	- 1.8 - 2.8 - 4.0	74.6	•3	71.9 77.3 78.6	1.1	69.9 75.4M 76.8 75.9	••	65.7 73.0 74.4 71.9	4.1	53.7 61.5 62.3 60.1	3.5	39.3 44.1 46.1 43.9	- 1.7 - 2.3 - 2.9	38+2	- 1•3 - •9	52.2 57.3 58.8 57.8	1.7 1.1 1.2
ROANOKE WB AIRPORT ROCKY KNOB ROCKYMOUNT SALTVILLE 1 N STAUNTON D AND B INST	37.4 36.3 M 37.0 35.3	1.8	43.8 39.8 45.2M 40.3 40.9	6.5 2.7	45.5 41.2 47.2M 43.1 43.0		60.5 57.2 60.1 59.5 58.9	4.7 5.7	60.7 56.2 59.9 58.9 59.0	- 4.0 - 5.0 - 3.8 - 4.4	71.6	- 1.3 1.1	77.5 74.6 75.9 74.0	5	75.7 69.9 74.4 74.0 74.2M	#6	71.9 66.9M 69.6 69.9 70.3	2.0	59.3 58.1 57.8 59.6	1.4 1.9 3.9	42.9	- 3.8 - 2.6 - 2.0 - 3.4	34 . 0	- 2.0 3 - 3.1 - 2.2	57•1 55•4 55•3	.5
STUART SUFFOLK LAKE KILBY SUNNYBANK SURRY 4 SW SUSSEX	40.9 40.3 38.8 38.5	1.3	45.2 46.7 44.5 48.0	3,9	47.3 48.6 47.0 M 49.7		61.5 61.8 59.5 M 63.2		50.0 63.3 63.2 52.9 63.9		71.5M 74.0 73.1	- 1.2	77 • 1	- 1.3	77.0 M 76.5M		71.6 73.0 73.3	1.8	61.3M 62.5 56.6M 64.3M M	3.1	44.3 46.9 47.3 46.5 M	- 3.9	38.4 38.5 39.2	- 2•7	57+6 59+1	
TANGIER ISLAND TIMBERVILLE 2 N URBANNA WALKERTON WARRENTON 5 NE	37.6 33.1 39.8 38.8 34.2	1.2	42.7 40.3 46.4 45.7 40.6	7.6	46.3 42.1 49.4 48.8 43.5	2+1 1+6	57.1 57.2 62.2 61.9 57.6M	6.8 5.9	61.2M	1 - 3.4	72.5M	- 1.7	78.1 73.7 79.4 77.3 75.9M	2	77:4 72:6 77:7 75:9M 73:9M	1.3	73.8 69.4 75.3 72.7 71.5M	4+1 2+6	63.7 56.6 64.8 61.7 61.0	3.0	48.5 41.0 47.8 45.2 42.8	- 2.6 - 3.0	37.9 34.5M	- 1.4 4	53.9 60.3 58.5 55.8	2.1 1.1
WARSAW 2 N WASHINGTON WB NAT AP WATERFORD WAVERLY HILLS WEST POINT 2 SW	38.0 35.9 30.7 36.1	- •3	44.7 43.5 37.8 43.7		47.9 44.5 40.6 45.1 52.4M	8	61.0 59.6 55.3 59.8 62.2M	5.2	63.1 62.6 56.9 62.3 64.3	- 1.6 - 2.1	74.4 74.4 70.0 73.6 74.9	1.0	78.0 78.8 71.8 77.6 77.8	1.5	76.1 75.2 69.0 74.9 77.1	- •2	74.1 73.3 66.6 72.7 74.1	3.7	63.1 62.0 57.0 61.2 63.6		45.9 45.2 _M 46.2	- 1.2 - 2.5		- •9	58:7 57:7	2.3 1.2
WILLIAMSBURG 2 N WINCHESTER 2 SSW WOODSTOCK WYTHEVILLE	40.4 34.4 34.6 36.6	1.2	46.8 41.7 42.0 41.0	7.1 7.5	48.4 43.2 44.3 42.5	.1	61.1 58.4 59.0 57.5	5.7 6.3	63.8 60.4 60.7 56.3	- 2.3 - 3.4 - 2.5 - 5.1	72.6 72.8	2.4	77.3 75.4 76.0 72.6	-,1,0 1,2	76.6M 73.5 74.0 70.3	8	73.8 70.3 71.2 66.4	2 • 2 3 • 7	52.9 59.5 59.4 55.0	3.0	46.6 43.0 43.9 40.9	- 3.1 - 2.1 - 1.1 - 2.1	35 • 3 37 • 6	- 1.6 3 2.1 - 2.3	59.3 55.6 56.3 53.3	1.0 2.1 .7
SECTION AVERAGE	37.2	• 5	43.1	5.6	45.4	3	59.8	5.1	60.7	- 3.5	72.4	•5	75.9	•6	74.7	•7	71.3	2.8	60.0	2.5	43.9	- 2.9	36 • 3	- 1.6	56.7	.8

Table 2			T'	OTA	AL F	RE	CIP	ITA:	ľЮ	N A	.ND	DE.	PAF	(TUI	RES .	FRO	MC	ЙО	RM.	AL					٧	IRGINIA 1954
	Janu	ıary	Febru	lary	Marc	ch	Ap	ril	Ma	ıy	Ju	ne	Jul	ly	Augus	st	Septen	nber	Octo	ber	Nove	mber	Decer	nber	Ann	ual
Station	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
ABINGDON AFTON BOXWOOD GARDENS ALEXANDRIA POTOMAC YDS ALLISONIA ALTAVISTA	6.93 2.71 1.79 5.90 5.52		1.09 2.14 .98 1.43 1.25	- +04	4.79 4.59 3.53 4.44 3.18	1,29	3.13 2.33 3.87 2.64 1.74	- •93	3.64 3.84 3.27 2.50 4.08	01	2.70 1.72 1.16 .53 2.31	-1.69	4.05 2.38 1.39 4.83 4.02	-2.42	3.08 2.61 3.60 4.25 2.99	2.50	1.68 .79 .76 1.51 1.12	-3.09	1.84 3.94 3.42 4.51 6.84	- •20	2.54 5.33 E 1.82 1.56 3.95	2,54	4.15 4.59 1.94 3.01 2.52	1.51	39.62 36.97 E27.53 37.11 39.52	- 6.26
AMISSVILLE APPOMATTOX ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS	2.46 2.62 3.61 6.75 3.29	• 58	1.18 1.63 1.50 1.18 2.78	-1.37	2.90 3.33 2.79 3.01 5.00	70 1.45	4.86 2.56 3.24 3.20 2.28	- •33 -1•09	3.69 4.00 4.69 4.86 3.60	.84	2.29 2.51 1.23 .08 2.56	-2.91	2.49 2.32 2.43 5.15 5.29	-2.29 1.16	5.15 2.81 3.91 ~ 5.48 5.57	•76 •89	1.55 1.02 1.95 1.92	-2.29 -1.57	5.68 4.44 4.07 488 8.73	1.00	2.35 5.40 2.24 1.91 6.17	05 3.25	3.37 2.94 2.69 2.13 4.66	25 1.43	36.93 36.11 33.42 36.58 51.85	- 8.53 9.19
BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS BLACKSBURG 2	4.45 1.49 6.59 3.54 4.98		1.80 1.22 1.20 1.73	-1.49 -2.45 -1.06	3.60 3.52 5.04 7.03 3.52	1.30 3.52	1.59 2.15 3.04 4.46 2.22	-1.62 •18 •50	4.73 3.81 3.64 5.13 3.99	.86 .97 .98	3.55 3.95 2.17 2.91 1.48	42	5.86 3.89 3.97 2.18 3.98	1.64 77 -3.29	5.75 3.82	2.28 .48 2.05	1.87	-1.64 -1.14 -3.68	7.56 6.90 1.16 13.11 4.22	4.44 -1.05 8.04	5.42 1.63 2.57 3.79 2.62	3.74 .06 07	3.45 3.20 4.32 4.47 3.61	1.27 1.27	47.31 39.38 39.04 52.67 36.10	4.23 1.10 2.73
BLACKSTONE CAA AP BLAND BOWLING GREEN BOYKINS BREMO BLUFF	4.73 4.16 2.47 3.74		1.76 1.71 1.09		3.26 4.68 2.94 4.48 3.20		3.31 2.20 2.27 1.74 3.57		5.54 3.65 4.02 7.82 6.21		2.56 1.13 .71 1.81 2.85		1.98 4.62 4.87 5.09 2.72		2.86 3.05 3.75 4.49 2.03		.67 2.86 .31 1.03		3.42 3.09 4.33 1.53 5.98		2.38 2.10 1.69 2.48 2.95	-	2.62 3.96 2.63 3.41 3.32		35.09 37.21 E31.08	
BRISTOL BRISTOL TVA BROOKNEAL BUCHANAN BUCKINGHAM 1 E	7.13 7.24 4.35 4.11 4.13	4.20 .46	3.30 1.39 1.64 1.82 1.46	18	4.35 3.47 3.43 3.79 3.81	.37	3.66 2.89 3.52 1.60 4.20	•70 -1•60	2.47 2.12 4.49 3.22 6.56	94 24	2.00 2.49 1.62 2.56 1.83	-2.26 -1.78	4.31 2.15 4.31 6.43 2.46	2.07	1.55 - 1.57 5.26 5.49 3.31	2.25	2.45 1.88 1.26 1.75 1.03	- •236 -1•40	3.90 3.44 4.82 9.81 5.89	1.78	2.88 2.22 4.14 5.17 2.57	.14E	4 • 1 4 2 • 28	•59 •84	E42.10 35.00 41.12 49.80 E40.38	•89 7•08
BUENA VISTA BURKES GARDEN BYLLESBY CAPE HENRY WB CITY CAPRON	3.50 5.48 4.67 4.70 5.75	1.80 1.61 3.17	2.73 1.35 2.13 1.35 1.66	.63 -2.23 -1.88 -1.57	4.78 4.49 4.77 4.09	2.24 14 .73	2.52 1.18 2.48 1.70	•07 -2•42 -1•43	3.19 3.97 3.02 2.76	45 16 42	3.07 1.03 1.97	- •12 -3•67 -4•00	4.78 5.29 3.20 5.70	•56 •67	2.73 - .87	1.27 1.69 2.50	3.41 1.97	-1.74 .08 -1.38	5.68 3.20 3.53 2.01	3+58 +25 - +47	5.70 2.00 2.64 2.14	3.26 88 49	3.87 4.83 3.91 2.68	1.25 1.31 31	45.67 38.96 35.16 36.49	9.10 - 7.08 - 5.15
CATAWBA SANATORIUM CHANTILLY CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	4.07 2.34 5.42 2.79 1.81	1.13	1.96 .92 1.48 1.28 1.20	83 -1.52	5.58 3.42 3.61 5.85 5.40	2.09	2.58 3.59 3.05 2.24 2.15	46 -1.28	3.47 2.69 3.75 4.53 2.91	•00 •57	1.58 .56 1.24 2.44 2.06	-3.17 -2.85	5.45 2.37 2.67 3.19 3.08	1.04	2.07	1.67 2.57	1.35	-1.56 -2.59	6.94 4.52 7.32 7.10	3 • 27 3 • 69	2.97 3.08 3.80 3.75	.55 1.34	4.91 2.28 5.34 5.62	1.89	44.49 34.52 41.96 38.48	2.28
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S CLARENDON LYON PARK	5.13 5.97 5.24 6.28 2.77	2.29 1.61	2.11 .66	-1.37 91 -1.59	3.83 3.92 4.13 3.92 3.51	.35 .55	2.90 3.59 2.22 2.81 3.69	•21 -1•32 •33	4.48 4.48 4.47 3.20	.86 1.41 57	499 4446 429 456 2412	.97 -3.14 -1.55	3.26 4.20 5.51 5.70 1.81	30 .45 -2.12		2.52 1.23	4.41 •78	-3.54 02 -3.20	5.69 7.11 2.95 2.00 3.80	4.22 - 409	2.95 3.93 2.10 2.36 1.97	1.08 78 89	2.38 2.95 2.79 3.35 2.68	- •40 - •05 - •04	38.83 44.51 39.49 37.24 31.15	1:85 - 3:52 -10:13
CLARKSVILLE CLEVELAND CLIFTON FORGE CLINCHCO CLINCHPORT	5.03 5.24 3.59 7.99	1.74 .55 3.55	1.90 2.45 1.50	-2.02 55 -2.52	4.41 4.23 3.97 4.20 3.81	•75 •20 -1•18	2.70 2.43 3.55 1.90 2.76	- •70 •93 -1•08	4.83 5.19 2.52 4.00 3.24	.96 -1.06 83	2.94 2.09 1.65 2.90 1.42	-1.29 -1.70 -3:14	3.04 3.74 3.23 5.70 4.14	-1.16 61 83	1	.14 1.41 1.04	2.41	-2.85 -1.00 -1.32	4.61 1.94 6.85	1.80 3.58 ~1.71	2.85 2.35 3.57 2.59	.64 .81	2:34 4:31 3:96	-1.16 1.33	38.82 39.35 42.51 39.02	- 3.43 3.89 -10.18
COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL COVINGTON	3.16 5.07 2.08 5.30 3.60	1.07	1.66 1.73 3.24	-1.33	3.14 3.09 4.90 4.05 5.67	3.13	2.56 2.56 2.48 2.16 2.92	- •86 •80	5.77 3.85 2.74 4.79 3.33	2•15 - •01	1.38 1.78 3.76 3.68 2.46	-2:56	3.37 2.40 2.35 2.99 5.08	1.36	2.78 3.75 3.44	2.01	1.17	-2.29 36	5.48 4.71 7.66 7.35 6.21	2•19 3•94	2.31 3.99 3.24 4.30 2.90	02	2.37 2.99 3.33 3.15 3.07	- •78	34.20 36.05 39.54 46.44 42.98	11:01
CROZET 2 N CULPEPER DAHLGREN PROV GROUND DALE ENTERPRISE DAMASCUS	2.75 1.81 2.92 1.49 5.87	07	1.04	-1.68 -1.45 55 -1.94	4.81 3.41 2.80 4.50 4.57	55 1.59 .65	2.93 3.76 2.21 2.39 3.51	-1420 -143 416	3.21 3.03 3.00 3.83 5.87	99 13 .31 1.55	3.07 1.59 1.00 4.89 1.75	-3.38 -2.87 .10 -2.32	2.08 1.90 4.71 3.65 3.64	-1.92 .47 78 -2.08	3.54 - 2.03 -	2.41 1.60 2.15 1.00	.76 1.30	-2.93 -1.91 -1.26 86	5.07 7.25 3.79 6.28 3.17	4.09 1.40 3.58 .80	4.59 2.78 2.00 3.71 2.97	.29 .05 1.75	4.59 3.84 3.08 2.81 3.34	- 72 - 01 22 39	38.50 32.79 30.87 38.56 43.33	- 8.48 - 7.73 1.23
DANTE DANVILLE DANVILLE CAA AP DARWIN DAVENPORT	4.69 6.81 5.51 5.30 E 3.19	.75 3.44		-2.65 -1.86	3.14 4.26 3.76 4.25 5.60	-1.33 .56	2.40 1.97 1.48 1.30 1.70	-1:14 -1:41	5.98 3.88 3.50 2.87 2.02	1.54 .30	2.17 2.89 1.94 .66 4.95	-2.55 -1.15	4.26 4.05 4.15 4.71 6.01	-1.64 14		1.26 .65		-1.66 -1.85	1.84 7.53 7.55 2.45 2.45	-1:11E 4:61	1.48 2.83 3.21 1.78 3.19	-1.38 .60	3.62 3.26 3.14 3.44 2.99	- •32	E35.74 43.88 39.42 34.31 E41.38	-12.40 2.13
DIAMOND SPRINGS DRANESVILLE DRIVER 5 NE DUNBAR DUNBAR DUNGANNON	6.54 1.94 5.26 6.42 7.17	3.00	1.26 .57 2.63 1.22 1.79	-2.08	4.03 2.04 5.08 5.19 5.54	.41	2.93 4.22 2.38 2.74 2.58	- +34	5.60 1.97 6.86 4.13 6.53	1.45	1:29 1:14 4:65 2:44	-4.81	5.04 2.30 6.04 4.62 4.31	5d	7.87 5.86 7.66 3.56 2.21	3.59	2.91 1.36 1.97 2.76 1.74	80	1.71 3.60 2.29 2.69 1.63	-1.23	2.29 1.65 2.30 2.74 2.67	- •07	3.45 2.01 2.43 5.59 4.21	- •70	43.93 28.81 46.04 46.31 E42.82	- 2.08
ELKWOOD 6 SE EMPORIA 1 WNW EPISCOPAL HIGH SCHOOL FAIRFAX FALLS CHURCH	2.22 5.79 2.61 1.85 2.88	- •35 2•34	2.07 1.00 .42 .94	- •77 -1•33	3.55 3.66 3.20 2.73 3.14	•50 •08	3.85 2.87 4.35 2.97 3.14	1.38	2.78 7.58 4.25 3.00 3.87	-1.30 3.72	1.97 2.76 .72 1.50 1.79	Ē	1.45 2.22 1.71 2.53 1.75	-4.11 -4.41		1.80 3.78		-3.56 -3.20	4.12 1.61 3.26 3.45 3.36	- 85 - 85	2.83 1.91 1.81 1.64 1.67	- •18 - •71	3.37 2.29 3.09 2.94 2.85	50	29.81 34.95 E30.34 E26.78 31.62	-10.45 -10.83
FARMVILLE FLOYD 2 FORT LEE FREDERICKSBURG	5.67 4.80 4.30 5.68 2.73	2.83 .75 61	3.17 2.86 1.95	-1.26 .03 -1.30	3.60 3.92 4.07 2.65 3.50	- •46	1.92 3.69 2.12	57 89 -1.38	7.07 5.43 4.93 7.38 2.58	3.20 1.16 -1.16	1.60 4.38 .76	-3.76	2.71 4.08 4.29 1.29 2.32	-1.48 -1.12 -2.04	3.84 - 3.63 4.21 3.73 -	2.12 .98	2.41 2.02 1.63	-1.00 -2.35 -2.76	6.90 7.19 7.81 3.45 4.17	3.62 4.16	3.29 3.02 3.31 1.84 1.86	- •23	3.09 3.58 3.34 2.66 3.04	07 .50 10	47.10 44.51 44.08 40.81 28.65	-13.40
FRONT ROYAL 6 NNW GALAX 3 S GLEN LYN GORDONSVILLE CAA AP GOSHEN	1.66 4.17 4.14 3.23 3.19	.84	1.45 2.36	-1.15	4.84 4.39 4.92 4.25 6.69	1,69	1.85 1.99 2.40 3.24 2.74	- •32	2.00 3.58 4.38 3.43 2.51	1.28	1.61 4.63 1.17 1.51 2.74	-2•21	2.28 5.61 3.11 7.08	1.30	2.21 4.35	1.36	1.60 .68 1.52	96	5.71 4.56 6.29 8.50	1.74	1.68 1.69 2.58 3.66	- 455	2:49 3:47 4:71 3:22	• 63	33.35 41.04 36.69 E48.56	3.65
GROSECLOSE GROVETON GRUNDY HALIFAX HAYSI	4.76 2.74 5.77 6.17 5.67	2.64	1.22	-1.84	3.23 3.57 4.43 3.70	12	3.80 2.85 2.21 2.53 2.33	- •73	3.82 3.24 4.30 3.82 3.68	18	1.97 .56 3.70 2.49 3.79		5.19 2.05 4.76 3.55 4.25	-2.39	2.87 3.40 2.75 3.28 - 2.68	.90	2.18	-2.65	3.86 3.10 1.84 5.59 1.71	2 • 88	2.62 1.92 1.94 3.74 1.92	•65	3.31 3.13 4.32 2.45 4.65	- •71	39.84 28.08 39.56 40.10 E37.13	- 4.85
HIGH KNOB HILLSVILLE 1 NW HOLLAND 1 E HOLSTON HONAKER	5.82 4.95 6.29 6.53 5.49	.51 2.50	2:41	-2.93	3.80 4.16 4.57	-1.08 -25E	2.74 2.70 2.36 4.31 2.86	-1.37	4.60 4.85 5.93 3.57 5.36	.76 2.77	3.67 4.40 1.04 2.04 3.30	-1.66 -3.65	3.30 3.30 4.34 3.62 5.85	-3.72	4.37 6.01 - 3.75 3.16	.03	1.58 1.60 2.50	-1.08 -2.85	2.00 3.85 2.85 4.90 2.98	- •79	1.81 2.50 2.57 2.51 2.16	-1.27 38	3 • 8 3 2 • 8 1 5 • 3 2 3 • 4 5	1.79	40.61 44.76 E41.93 43.38 43.24	-13.69 - 5.88
HONAKER 3 NE HOPEWELL HOT SPRINGS HUDDLESTON INDEPENDENCE	5.07 4.03 3.31 4.99 5.31	1.05	1.40 4.26	-1.01 69	6.21 4.31 3.28	-1.53 2.58	2.46	- •66 -1•21	5.19 5.69 3.53 3.87 6.02	2 • 02 - • 07	2.56 1.83 5.59 2.43 1.03	-2:99 1:08	7.16 2.09 5.05 4.32 3.58	-2.23 .81	5 • 28 5 • 42 5 • 40	1.23	2.36 .73 1.99	-2.60 73	3.81 3.47 8.44 7.61 3.17	•81 4•97	2.49 1.62 4.10 6.61 3.82	- •50 1•59	3.66 2.64 2.87 2.30 3.79	- •88 - •18	47.89 32.72 E50.76 46.19 44.13	- 9.75 9.33
INDEPENDENCE 2 JEWELL RIDGE JOHN H KERR DAM JONESVILLE 2 SSE KERRS CREEK	4.76 5.11 5.19 8.70 2.33		2,31 1,54 1,68 2,06 2,80		4.17 5.00 3.79 4.29 5.96		3.09 1.98 2.57 2.43 4.65		3.90 4.74 4.96 4.32 2.65		2.93 1.97 1.12 3.17 5.01		3.80 6.40 4.02 3.81 3.41		3.34 3.87 2.53 3.04 3.16		1.78 2.16 1.57 1.72 1.59		2.84 4.11 4.13 .87 6.96		3.85 2.20 2.42 2.64 2.50		3.12 3.93 1.98 5.75 2.99		39.90 43.01 35.96 42.80 45.01	
LAFAYETTE 1 NE LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXP FOREST LEXINGTON	4.66 5.18 7.15 4.42 2.69	2•21 - •30	2.02	65	3.57 5.39	1.05	2:01 2:88 2:64	- +10 -1+35	2.68 7.62 6.92 2.92	4.23 40	3.65 .36 2.95 1.97 1.98	-3.91 -2.14	3.79 7.51 1.20 4.35	2,43	2+00 3+47 -	.52	1.87 3.41 .97 .81 1.75	99	6.70 3.66 2.35 3.76 6.55	1.16	2.09 2.13 1.95 3.68 4.59	•00 2•44	3 • 01 2 • 88 2 • 53 3 • 56 3 • 65	- •17 •54	39.05 44.83 36.18 40.95	4•25 2•37
LINCOLN LOUISA LOVES MILL LURAY LYNCHBURG MADISON HTS	2.29 3.42 6.07 2.86 4.52	- •71 •30	1.70 1.69 1.11 .69 1.25	91 95	3.74 3.85 4.43 6.29 2.94	•66 •47	4.49 2.99 2.87 2.01 2.90	1.18	2.90 4.58 4.90 2.80 3.92	70 .76	1.36 2.63 1.57 2.99 1.59	-3.37 -1.51	2.99 3.12 6.57 2.23 2.33	- 145 -1.28		1.17		62 -2.60	4.46 4.70 3.37 10.92 6.55	1.45	2.22 2.24 2.75 1.90 4.38	- •13 - •02	3.80 3.73 3.71 3.14 3.56	1.06 .65	37.40 36.72 43.32 40.19 E38.28	- 1.37 - 4.11
									See	Refere	ce Not	es Follo	wing St	ation In	dex											

Table 2-Continued		101.	AL PRE	CIPITA	IION F	IND DE	PARIU.	UES LU	OM NO	MMAL			VIRGINIA 1954
	January	February	March	April	May	June	July	August	September	October N	ovember	December	Annual
Station .	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Departure .	Precipitation Departure	Precipitation Departure
LYNCHBURG WB AIRPORT MANASSAS MARION MARTINSVILLE FILT PL MATHEWS 1 SSW	3.84 .41 E 1.67 -1.45 5.63 6.38 2.24	1.11 -1.98	3.1443 E 3.49 .43 4.46 4.71 .38	2.8718 2.59		•71 -2•89 •55	2.32 -1.83 3.5625 5.03 5.36 -16	2.29	93 -1.65 2.29	3.56 1.05 1 3.03 7.51 4.06 3	.59 1.22 .31 -1.06 .62 .76 .80	3.041 3.05 .1 3.66 3.97 .4	7 E31.30 - 7.33 37.52
MEADOWS OF DAN 5 SW MENDOTA MONS MONTEBELLO 3 NE MONTEREY	6.39 7.76 3.57 3.89 2.09 -1.55 2.33 -1.17	4.44 1.50 -2.18 3.00 4.52 1.76 E 1.14 -1.77	5.40 5.05 5.43 E 5.28 2.08 4.98 .71	2.61 E 3.3245	5.75 3.7716 4.67 4.9937 2.57 -1.87	1.77	4.77 2.33 -2.74 E 5.86 6.09 .68 5.16 .34	3.23 . 3.16 -1.25 6.18 2.65 -3.20 3.9450	1.52	3.17 .28 2 E 9.71 7 8.97 4.84 7	•42 •52 - •22 •54 •59 4•14 •69 •30	5.09 5.88 2.5	E57.27 8 E54.73 4.08
MODRES CREEK DAM MOUNT WEATHER NATURAL BRIDGE STATION NEW CANTON NEW CASTLE	E 1.15 -2.54 2.0888 3.48 3.1639 3.69 .99	E 2.65 .15 1.13 -1.19 2.15 1.59 -1.36 1.46 -1.07	4.00 1.29 4.24 1.39 7.05 3.1172 5.87 3.06	2.55 -1.09 2.52 3.51 .19	2.3056 3.88 .08 4.45 6.09 2.67 2.87 -1.21	2.51 -1.12	E 5.52 2.9396		E 1.79	11.76 6 5.65 2.47 2	.0541 .84 .97 .62 .34 .16	2:481 4:12 3:36 :0 5:08 2:7	E56.85 6 37.95 - 3.53
NEWPORT 2 NW NEWPORT NEWS NORFOLK WB AIRPORT NORFOLK NORTH BRISTOL SUBSTA	E 4.34 5.34 6.40 3.23 5.43 2.26 7.05	1.15 2.62 1.59 -1.47 1.63 -1.43	5.21 4.50 4.14 .87 4.29 1.02 4.90		2.28 7.24 5.76 2.33 4.98 1.53 2.43	2.60 .25 .37 -3.79 .19 -3.97 2.27			1.36 3.29 2.77 -1.09 3.2066 1.60	1.79 2 1.7075 2 1.5589 2	•28 •09 •13 - •54 •37 - •30 •08	3.10 2.65 3.62 .7 3.22 .3 4.08	
NORTH RIVER DAM OLINGER ONLEY 1 S PARTLOW 3 WNW PEDLAR DAM	1.84 -1.00 7.89 3.84 .81 E 1.80 .	1.18 -1.12 1.42 1.64 -2.02 1.51 2.7110	2.21 -1.00 5.27 3.3265 3.56 4.44 1.20	2.4071 2.61 2.4878 1.68 1.83 -1.60	2.59 -1.42 4.27 4.03 .81 3.71 3.4869	E 3.6756 2.84 .27 -3.07 1.83 2.64 -1.56	E 4.6984 5.25 3.6365 2.70 7.93 2.59	2.33 -2.31 3.42 2.99 -2.01 4.78 4.77 -1.39	1.01 -2.28 1.91 3.0902 .29 1.15 -2.04	2.3595 2 4.41 3	.39 1.85 .64 .0214 .02 .42 2.50	3.79 1.3 5.87 2.719 2.65 5.26 1.8	44.15 7 32.37 ~ 9.70 E31.94
PENNINGTON GAP 1 W PHILPOT DAM 2 PIEDMONT FIELD STATION PILOT POWHATAN 5 SW	8.69 3.42 5.54 1.85 4.94 4.79	1.70 -3.12 1.96 1.12 1.32 E 1.57	5.1327 4.53 4.05 E 3.28 E 2.82	2.55 -1.32 2.91 3.51 1.51 E 1.86	3.1246 5.37 3.06 3.18 6.03	2.14 -2.16 4.83 1.27 3.86 1.40	4.45 -1.07 4.33 3.18 4.28 1.65	2.94 -1.53 2.45 1.25 3.03 2.75	2.0928 1.51 .79 1.89 1.49	7.35 2 7.18 2 5.97 2	.92 .08 .94 .35 .20 .40	7.06 3.0 3.99 E 4.60 2.32 2.60	2 43.83 - 5.19 47.71 E34.21 E37.78 E34.97
PULASKI PULASKI CAA AP GUANTICO 1 S RADFORD RANDOLPH	5.10 5.19 2.2286 4.67 1.37 5.76 1.99	1.25 3.99 2.0163 1.08 -1.53 1.76 -1.42	5.15 2.17 3.76 .44 4.05 .91 4.29 .59		2.92 3.68 2.4271 3.21 .04 6.02 2.39		5.46 5.51 4.06	7.32 3.60 3.5591 4.06 .94 1.85 -2.41		4.00 2 2.7917 1 4.72 1.74 2	•11 •02 •49 - •61 •03 •07 •76 •40	3.25 4.16 3.91 1.0 3.33 .4 2.24 -1.0	5 36.88 .79
RAPIDAN RICHMOND WB AP RICHMOND CHIMBORAZO PK RIVERTON ROANOKE	2.45 3.70 .06 4.30 .67 2.52 .26 5.09 1.99	1.05 1.56 -1.20 1.52 -1.21 1.3082 3.30 .52	4.08 2.4498 2.5687 5.00 2.46 3.65 .33	3.10 3.0815 2.3031 1.41 -1.49	2.53 4.36 .72 4.16 .51 3.82 .44	1.44 -1.91	3.45 1.30 -4.34 2.6648 3.5563	1.91 3.95 -1.10 4.77 1.00 4.04 11	85 -2.46	4.99 2.38 1 6.21 2.44 1	.55 .8663 .9128 .92 1.71	4.62 2.434 3.82 1.2 4.01 .9	33.35 6 31.45 -11.44 1 36.94 1.68 1 44.87 4.59
ROANOKE WB AIRPORT ROCKFISH ROCKY KNOB ROCKYMOUNT ROSE HILL	4.77 1.38 3.3127 5.03 6.93 3.57 9.13	3.83 1.27 1.22 -1.50 4.53 2.10 -1.11	2.7643 4.20 1.04 4.97 4.21 .27	1.08 -1.87 2.8328 2.68 2.5974 3.29	3.4220 4.31 .10 4.57 4.49 .82 2.10	3.96 -1.34 2.32	3.27 -1.64 4.87 -1.13 E 5.66 2.57 -2.22 4.32	3.18 -1.36 3.73 -1.35 3.06 3.19 -1.46 2.35	2.17 -3.09 1.39	4.79 1.80 5 E 7.80 3 7.44 3.58 3	.91 .10 .18 2.07 .30 .00 .57	3.95 .8 5.99 2.5 3.31 3.403 8.17	E48+52 .
SALTVILLE SALTVILLE 1 N SLATE SMITHFIELD SOMERSET	6.08 6.27 2.67 5.58 6.54 2.51	1.59 1.60 -2.01 1.52 1.87 E 1.20	3.78 3.5786 4.19 4.85 4.35	2.94 3.60 .56 1.75 2.82 3.32	3.49 3.7110 3.76 5.42 3.20	1.79 1.74 -2.52 5.00 .47 .97	4.61 4.4063 E 5.72 3.31 1.98	4.31 4.1919 3.50 2.05	2.34 2.4450 1.65 2.37 .52	2.5725 2 2.36 2 2.04 2	.77 .77 .22 .89 .17 .72	4.14 4.19 .7 3.19 E 3.15 4.60	40.23 0 41.05 - 2.91 E41.20 E37.06 E32.06
SPEEDWELL SPRING CREEK 2 STAFFORDSVILLE STATE FARM STAUNTON D AND B INST	4.62 5.61 4.21 4.52 2.5727	1.84 2.37 1.56 1.64 .59 -1.75	1.92 4.28 4.91 2.98 4.29 1.15	2.25 4.36 2.17 3.40 1.94 -1.08	4.14 3.59 4.10 5.53 5.05 1.75	.69 2.20 1.14 6.23 3.7646	3.92 7.11 4.51 1.66 2.31 -1.92	1.39 3.29 3.09 2.69 3.7138	1.75 3.10 1.66 .37 1.30 -1.55	4.66 2 3.96 1 4.96 3	.35 .55 .22 .07 .06 1.97	3.64 4.55 3.11 2.69 3.77 1.1	35.86 47.67 35.64 39.74 40.42 2.70
STUART STUARTS ORAFT SUFFOLK LAKE KILBY SUNNYBANK SURRY 4 SW	5.54 2.49 2.47 6.87 3.86 4.81	3.0307 1.11 2.36 1.55 1.99	4.63 .44 5.14 6.50 2.97 3.72	1.85 -1.67 1.65 2.69 2.60 2.56	4.81 .1.29 4.93 7.56 3.10 6.49	3.92 .58 2.28 2.75 E 1.10 2.08	5.86 1.28 3.69 5.96 E 2.85 2.78	2.77 -2.90 3.40 5.80 E 4.21 1.44	1.01 -2.86 1.15 2.87 3.14 E 1.94	7.77 3 2.13 2 1.62 2	.46 1.48 .99 .43 .18	4.72 .7 4.34 2.96 3.27 E 2.78	8 48.56 2.60 41.91 50.88 E32.45 E35.03
SUSSEX SWORDS CREEK TANGIER ISLAND TAZEWELL THE PLAINS 2 SE	5 • 70 3 • 66 5 • 65 2 • 23	2.08 1.51 1.44 2.15 1.04	4.21 5.08 4.29 5.19 2.84	3.25 3.14 2.18 2.73 3.48	8.19 5.27 3.12 4.30 2.48	2.44 T 2.91 1.37	6.10 4.36 8.23 3.61	7.32 4.02 5.69 5.04	2.48 3.63 2.48 .78	3+26 2 1+59 2 4+42 2	.88 .69 .12 .25 .65	2.60 3.78 2.48 4.08 3.97	48.77 32.89 50.08 33.95
TIMBERVILLE 2 N TROUT DALE TYE RIVER 1 SE URBANNA VIENNA DUNN LORING	2.1114 6.47 3.0914 4.02 .51 2.92	1.7233 2.88 1.7694 2.00 -1.84	4.70 1.90 6.82 3.23 .17 2.96 -1.17 3.88	2.1955 2.38 2.0972 2.72 -1.19 3.29	2.7957 6.72 3.81 .23 3.46 .14 3.91	3.69 .41 1.59 3.32 -1.54 1.93 -2.34	1.06 -3.05 4.01 3.38 -1.90 1.60 -4.40 1.82	3.48 -1.06 6.03	1.80 -1.29 2.00 .61 -3.07 1.69 -1.69	5.34 5.16 2.38 3 1.98 -1.45 2	21 1.22 48 69 .75 08 - 02	3.30 1.24 4.95 4.42 .91 4.08 .65 3.05	48.79
WALKERTON WALLACE WALLACETON LK DRUMMOND WARRENTON 5 NE WARSAW 2 N	4.20 .05 6.79 6.12 2.52 2.15 3.86 .80	1.73	2.9063 4.40 3.7154 3.18 2.8692	3.00 E 2.55 -1.61 4.13	4.21 .38 2.84 8.04 4.21 1.94 3.58 .23	2.78 1.10 -3.80 1.35	1.79 -3.57 2.67 E 4.79 -2.39 4.37 2.60 -1.95	4.3011 2.23 4.8559 5.87 3.29 -1.32	1.97 1.98 -2.06	3.25 2.1879 2 4.27 2	2384 .75 .6525 .67 .67	2.7225 4.02 4.43 .39 2.92 2.921	38.43 E43.47 - 7.72 33.91
WASHINGTON WASHINGTON WB NAT AP WATEFORD WAVERLY HILLS WEST: POINT 2 SW	2.18 2.3094 1.91 2.93	1.51 .85 -1.59 .80 .99	3.81 3.47 .44 3.34 3.57	5.07 3.30 .24 4.84 3.83 3.35	3.52 2.98 3.04 3.24 4.26	2.12 1.24 -2.17 1.27 2.00 3.29	2.27 1.70 -2.56 2.59 2.02 3.64	2.63 3.15 -1.60 5.44 . 4.44 2.77	2.46 .95 .46	4.06 1.21 1 4.31 1 4.10 E 1	15 7895 89 52	3.52 2.82 3.53 2.86 2.82	E36.55 20.28 -12.20 35.42 E32.45
WILLIAMSBURG 2 N WILLIAMSVILLE WINCHESTER 2 SSW WOODSTOCK WOOLWINE 4 S	5.41 2.67 2.62 1.9063 1.8667 6.12	2.4395 1.71 1.2584 1.4158 4.04	3.7528 5.95 4.02 1.14 4.34 1.56 4.76	1.95 -1.83 2.64 2.01 -1.14 2.6802 4.71	5.94 2.05 4.79 3.7410 4.08 .79 6.15	3 • 62	4.14 ~2.06 5.25 5.18 1.72 2.10 -1.26 6.58	2.77 6.61 2.93 4.43 .65 2.03	2.20 1.3797	6.00 1 5.47 3.59 1 6.65 3.99 1 8.41 4	81 ° •01	2.5279 3.80 2.84 .20 2.59 .31 5.65	42.58 41.28 5.51 35.40 1.83 58.05
SECTION AVERAGE	4.73 1.65 4.04 .73	1.39 ~1.60	3.69 .25 3.97 .32	2.44 ~ .55 2.6662	2.8581 4.20 .39	1.35 -2.85 2.12 -1.98	4.78 .78 3.5793	2.38 -1.81 3.8561		3.21 .37E 2 5.07 2.13 2	25 •11 80 •22	3.41 .30	2 E35.07 - 4.68 38.95 - 3.12
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Table 3				LIVIP.	FIIL	71,	Om		281		E IAT E		AIN	עו	LUI	ندن	<u></u>		·										954
							Las	t spr	ing min	imu	m of						Fir	st fa	ll miníi	num	of						een of		
Station	#				16° c		20° o belov		24° o: belov		28° or below		32° o belov		32° or below		29° o belov		24° o belo		20° belo		16° d		below	below	below	below	below
	Highest	Date	Lowest	Date	Date	Тетр.	Date	Тепр.	Date	Тепр.	Date	Тешр.	Date	Temp.	Date	1 emp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	16° or	20° or	24° or	28° or	32, 01
ALEXANDRIA POTOMAC YDS ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS BEDFORD	104 105 .96 110 104	8- 1 9- 8 8-26 7-15 7-14		12-22 12-22 1-13+		16 14	2-13 3-22 1-13 2-14 3- 5	18 20 19	3-22 1-14	23 22	4- 4 4- 4 3- 5 3-22 4- 2	28 28	4-13 3-22 5- 9	32	- 10- 8 2 11-27 3 10- 8 3 10- 8 2	2 1	2- 6 0-31	24 26 28	12- 7 11- 1	24 22 24	12-21 12- 7	18 20 16	12- 7	12 16	276 - 301	256 342 296	224 327 229	276 223	152
BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTONE CAA AP BOWLING GREEN	102 90 99 104 102	7-14 7-14+ 7-15 9- 6 9- 7	- 1 0 7 9 10	1-13 12- 7	3- 7 4- 4 3- 5 2- 8 2-13	16 15	4- 4 3- 6 2-13	16 18 20	4- 9 4- 9 4- 2 3-22 3- 6	24 24 24	5- 5 5- 5 4- 5 3-22 3-22	26 24	5-10 5- 6 4- 5	29 32 32	10- 8 2 10- 7 2 10- 8 2 10-30 3 11- 1 2	3 1 5 1 2 1	0- 7 0- 8 1- 1	23 25 25	10- 7 10-31 12- 3	23 23 22	10-31 11- 3 12- 6	16 20 19	12- 7	16 11 9	210 277 302	210 242 296	181 212 256	155 186 224	150 155 208
BOYKINS BRISTOL BUCHANAN BURKES GARDEN CAPE HENRY WB CITY	104 102 107 90 100	9- 7 9- 5+ 7-14 7- 2+ 7- 3	- 5 21	1-13	3- 2 2-13 3-15 None	11	3-22 3- 7 3-22 None		3-22 3-22 4-13 1-18	23 24	3-22 3-22 4- 2 5- 6 2-13	20 26 25	5- 5 5-11 5-23	32 32 31	10-17 3 10-20 2 10- 8 2 10- 8 2 12- 3 3	9 1 7 1 5 1	0-31 0- 8 0- 8	27 27 25	11- 2 11- 1 10-19	24 23 24	11-27 11- 2	18 20 20	12- 7 12- 7	16 15	297	265	224 189	189	168 150 138
CAPRON CATAWBA SANATORIUM CHARTILLY CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	101 106 107	7-14 - 7-15 9- 7	11		2-13 3- 7 2-13		3- 5 3- 7 3- 6 3- 5	16	3- 5	22 24 20	4- 5 4-13 3-22 4- 5	28 24 27	4-13 4- 5 4- 5	28 31 27	10-31 3	2 0 1	1- 1 1- 3	23 28	11- 1 12- 6	23 19	- 12- 7 12- 6	8 19	1	8 14	311	276 276	276	186 224 212	186 209
CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S	106 107 104 99	9-17 7-14 9- 7 - 9- 6	7 12 11 -	1-23 1-13 1-13 1-13	2-13 1-23 1-23 None 3-22	15 15	2-13 3- 7 2-13 3-23	19 20 18 17	3-17 3- 7 3- 6 3-23	20 24 17	4- 4 3-22 4- 5 4- 5 5- 5	27 27	4- 5	32 27 27	10- 8 2 11- 1 2 10- 8 2 11-27 3 10-16 3	8 1 8 1 2 1	0- 8 2- 3	28 28 28	12- 3 11- 7 12- 6	23 23 22	12- 7 12- 7 12- 8	13 13 19	12- 7 None	13 13	318 318	297 275 298	271 245 275	186 242	210 186 236
CLARKSVILLE COLUMBIA CROZET 2 N CULPEPER DAHLGREN PROV GROUND	105 103 103 102	9- 7 7-14 9- 7 9- 7	7 6 5 14	1-23 1-12+ 1-18	1-23 2-13 3- 5 3- 7 1-23	15 12 15 16	3- 5 3- 7 2-13	12 15 20	3-6 3-22 3-22 4-4 3-7	22 24 24 22	3-221 4-18 3-17	28 28	4-18	28 29	10- 8 2 10- 8 3 10- 8 2 11- 1 3	0 1 8 1 0 1	1- 1 0- 8 1-11	25 28 28	12- 6 11- 1 12- 3	24 22 24	12- 7 11-11 12- 8	19 20 20	12-20 12- 7 None	16 16	290 275 -	277 249 298	259 211 271	197 239	173 211
DALE ENTERPRISE DANTILLE DANVILLE CAA AP DIAMOND SPRINGS	100 98 105 105 99	9- 5 6-27 7-14 9- 6 7- 3	10	1-13 1-13 12- 7 12- 8 12- 8	2-13 2- 9 2- 8 2- 8 None	12 16	3- 6 3- 6 3- 6 2- 8 1-14	20 16	1	18 24 21 24	4-10 3-23 3-22 3-22 3- 7	27 25 26 25	4- 1 4- 2 4- 2 3-22	32 30 32 32	10- 8 2 10-20 3 10- 8 3 11- 1 2 11- 1 3	2 11 1 11 8 11 2 11	1- 3 1- 1 1- 1 2- 3	28 27 28 28	12- 6 11- 7 11-27 12- 7	22 24 24 21	12- 7 12- 7 12- 6 12- 8	18 9 20 18	12- 8 12- 7 12- 7 None	16 9 11	302 302 302 -	276 276 301 328	275 235 266 297	225 224 224 271	189 213 224
ELEMOOD 6 SE EPISCOPAL HIGH SCHOOL FALLS CHURCH FARMVILLE FLOYD	105 102 105 100	7-31+ - 7-14+ 7-14 7-14	3 10 5 4 5	1-12+ 12-21+ 1-13		16 16 16	3-17 3- 5 3- 7 3-22 3- 5	16	4- 2 3- 5 3- 7 4- 2 3-22	20 20 22 24	4-13 4- 4 4- 4 4-10 4- 5	27 27 25 25	4- 4 4-10 5-11 5- 5	27 30 30 31	10- 8 2 10-31 3 10- 8 3 10- 8 2 10- 8 2	1 1: 2 10 7 10 5 10	1-11 0-31 0- 8 0- 8	28 28 27 25	12- 4 11-11 11- 1 10-31	24 24 19 22	12- 7 12- 7 11- 1 11- 3	19 19 19 19	12-21 12- 8 12- 3 12- 7	15 14 15 8	311 310 256 277	277 275 224 243	274 248 213 223	221 210: 181 186	210 181 150 156
FORT LEE FREDERICKSBURG FRONT ROYAL 6 NNW GLEN LYN GORDONSVILLE CAA AP	105 105 106 102 105	9- 7 9- 8 7-14 7-14 9- 6	- 2 6 5	12- 8 12-22	2-13 2-13 3- 7 2-13	16 10	3- 7 3- 6 3-22 3-17	19 20 20	3-22 4- 2 4- 4 3-22 4-10	24 24 20 23	3-22 4-10 4- 4 4- 2 4-13	28 24 25 28	4-13 5- 5 5- 5 5-11	31 30 31 30	10-31 3 10- 8 2 10- 7 3 10-19 3 10- 7 3	8 10 0 10 0 10 1 10	0- 8 0- 8 0-20 0- 8	28 25 27 26	11- 1 11- 1 11- 3 10-31	23 21 22 24	12- 4 12- 3 12- 7 11- 1	19 20 9 20	12- 7 12- 7	13 16 9 9	297 297 275 297	272 272 260 229	213 211 226 204	187 201 178	178 155 167 149
HALLIFAX HOLLAND 1 E HOPEWELL HOT SPRINGS JOHN H KERR DAM	106 99 103 96 103	7-14+ 7- 4+ 9- 6+ 7-14 7-15+	9 11 5 10	12-22 1-13 12- 7		15 16	3- 7 3- 7 3- 6 3- 8 2-13	20 20 20 18	3- 7 3-22 4- 2 3- 6	24 22 22	4- 2 3-22 3-22 5- 6 3-21	25 24 28 26	4- 4 5-11 3-22	30 30 29	10-31 3 10-31 3 10-31 3 10- 8 2 10-31 3	2 1: 2 1: 7 1: 1 1:	1- 1 1- 1 0- 8 1- 1	25 26 27 25	11-27 11-27 10-31 11-27	24 24 23 23	12- 3 12- 7 12- 5 12- 7	20 15 18 10	12- 7 12- 7 12- 6 12- 7	12 15 16 10	323 276 328	271 276 272 297	265 250 212 266	224 224 155 225	210 150 223
LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXP FOREST LEXINGTON LINCOLN	100 105	7- 3+ 9- 6 - 7-14+ 7-14	9 7		2- 8 2-13	16 13 11	2-13	17 19 11	3-22 3-17 3- 7	21 24	3-22 4- 2 4- 4	28 25	5-11 - 4- 5 4-10	31 31 30	11-30 3 10-18 3 10- 8 2 10- 8 2 10- 8 2	2 1: 5 10 7 10 9 1:	1- 1 0- 8 0- 8 1- 1	22 25 27 26	11- 1 11- 1 10-31 11-11	22 23 24 20	11-27 12- 3 11-11 11-11	19 17 20 20	12- 3 12- 7 12- 7 12-21	16 9 13 15	272 302 311	265 - 249 271	228 249	224 189 211	160 186 181
LOUISE LURAY LYNCHBURG WB AIRPORT MANASSAS MARTINSVILLE FILT PL	104 103 103 103 102	9- 7 7-15 7-14 7-14 7-14	7 - 1 9 8 10	1-13 1-13 1-18	2-13 3- 7 2- 8 3- 4 3- 7	16 16	3~ 7 2~ 8	20	4-10 4- 2 3- 7 4- 4 3-22	22 23 20	4-10 4-10 3-22 4- 5 4- 5	25 25 27	5-11 4- 5 4- 5	31 1 31 1 27 1 31 1	LO- 8 2 LO-31 2 LO- 8 2 LO- 8 2	7 10 7 10 7 10 5 10	0- 8 0-31 0- 8 0- 8	27 27 27 25	11- 1	24 24 24 21	11-11	20 17 19 20	12- 7	16 14 13 13	274 316 279 275	239 302 221	210 212 265 211 224	181 181 223 186 186	150 209 186
MATHEMS 1 SSW MONS MONTEBELLO 3 NE MONTEREY MOUNT WEATHER	92 98	7-15+ 6-27+	1 5	1-13+ 1-18+	3- 5 3- 6 3- 7 2-14	13 16 7	3-21 3- 7	19 20 20	4- 2	24 24	4-5: 5-5: 4-5:	28 28	1	31 31	- 10- 7 10- 7	8 10 2 10	- 0- 7 0- 8	28 28	11- 3 10- 8 11- 1	18 23 22	11- 3 - 10-31 12- 3	18 19 20	1	13 14 14	276 239 295	224 271	187 213	186	154
NEW CARTON NEWPORT NEWS NORFOLK WB AIRPORT NORFOLK ONLEY 1 S	99 96	7-14+ 7- 3 6-13+ 9- 6	19 10	12- 8+ 12-22 12- 8	3- 7 None None None 2-13	16	2-13 1-14 None 2-13	16	2-13 2-13 1-18 3- 7	24 24 22	4-10 3- 5 3- 7 2-13 4- 2	28 27 26 26	4- 1 3-22 3-16 4- 4	31 32 32 29	10- 8 2 11- 4 3 11- 4 3 11-25 3 11- 1 2	2 1: 2 1: 1 1: 9 1:	2- 6 2- 3 2- 6 1- 8	23 28 26 28	12- 6 12- 7 12- 7 12- 3	23 21 22 24	None 12- 8 12-22 12- 8	19 19 10	None None None 12-8	10	1	328 298	296 297 323 271	276 271 296 220	217 227 254 211
PARTLOW 3 WNW PENNINGTON GAP 1 W PHILPOT DAM 2 PIEDMORT FIELD STATION POWHATAN 5 SW	104 100 100 106 105	9- 6 7-15+ 9- 6 9- 6	2 3 12 8 4	12-22 1-13+	3-22 3- 7 2- 8 2-13	13 16 11	4- 2 3-22 2-13 3- 5 3-22	19 19 19	4-10 3-22 3- 7 3-22 3-22	17 22 22 19	4-13 4- 2 4- 5 4-10 4-10	25 28 28 25	4-10 5-11	32	10- 8 2 10- 8 3 10- 8 3 10- 8 3	9 1	1- 4	28 22	11-11 11- 1	24 22	12- 6 11-26	19 20	12- 7 12- 3	13 16	297	276 249	234 224	208 205	181 150
PULASKI CAA AP QUANTICO 1 S RICHMOND WB AP RICHMOND CHIMBORAZO PE ROANOKE	97 105 103 -	7-14 9- 7 7-14+ -	11 10 13	1-13 - 1-13	3- 5 2-13 2-13 1-23 1-23	14 14 16 14	3- 7 3- 5 2-13 2-13	20 20	3-7 3-22 3-7 3-5	24 24 22	5- 5 4- 4 4- 4 4- 2	28 28 28	4-10 4-10 - 4- 5	32 32 30	10- 7 2 11- 1 2 10-31 3 10- 8 2	9 1:	1- 7 1- 1 1- 1	27 26 28	12- 3 12- 3 - 11-27	22 24 22	12- 7 12- 6 - 12- 7	20 20 18	12- 8 12- 7 12- 8	14 15 15	298 297 319	275 276 297	271 256 267	217 211 - 213	205 204 186
ROANOKE WB AIRPORT ROCKY KNOB ROCKYMOUNT SALTVILLE 1 N STAUNTON D AND B INST	104 100 100 102	7-14 7-14 9- 7 7-15	12 3 - 6 2	1-23	1-23 3- 5 3- 2 2-13	14 15 13	3-16 3-17 3- 7 3- 5	20 17 18		23 23 24 24	4- 2 4- 5 4- 5 4- 2 4- 5	23 28 27 27	5- 5 5-11 4- 3 4-10	32 32 32 30	10- 8 3 10- 8 2 10-20 3 10- 8 2	7 16 10 16 17 16	- 0- 8 0-31 0- 8	27 24 27	- 11- 1 10-31 11- 1	24 24 24	11-3 11-11 12-4 12-6	16 19 20 16	11- 3 12- 7 12- 7 12- 6	16 15 13 16	243 280 296	232 239 272 276	213 222 211	186 212 186	150 200 181
STUART SUFFOLK LAKE KILBY SURNYBANK SURRY 4 SW SUSSEX	99 100 - 98 -	8-16+ 9- 7 7- 2+		1-13 12-22 12- 8 -	2-13 2-13 1-18 - 2-13	15 13	3-22 3- 6 3- 6 3- 7		3- 7 3- 7 3-17 3-22	24 23	4- 5 3-22 4- 2 3-17 3-22	26 28 24 23	4- 2 4- 4 4- 2 4- 2	30 30 29 29	10- 8 2 10-31 3 11- 1 2 10-30 3	1 1: 8 1: 1 1:	1- 1 1- 1 1- 1	25 28 27	11-27 12- 4 11- 4	23 24 24	12- 3 12- 8 - -	20 12	12- 7 12- 8 -	15 12	297	272	265 272 282 -	224 213 229 -	212 211 211
TANGIER ISLAND TIMBERVILLE 2 N URBANNA WALKERTON WARRENTON 5 NE	93 101 105 103 100	7- 2+ 7-14+ 9- 7 7-30+ 7-15+		12-22	None 2-13 1-18 2-13 2-14	14 9	2-13 3-17 3- 7 3-22 3- 5	20	4- 4 3- 7 3-22 4- 4	20 24	3-6 4-13 3-22 4-2 4-5	28 27 28 28	5-11 4- 4 4-13 4- 5	32 30 31 28	11- 1 3 10- 8 2 11- 1 2 10- 8 3 10-31 2	6 1 8 1 0 1 8 1	0- 8 1 1 1 1	26 28 24	10-31 12- 7 11- 1	24 16 24	11-11 12- 7 12- 3	20 16 19	None 12- 7 12- 7 12- 7 12- 7	14 16 13	297 323 297 296	239 275 256 276	210 275 224	178 224 213	211 150 211 178 209

See reference notes following Station Index.
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Station				Ì	l6° o		20° d		24° belo		28° belo		32° belo		32° or below		28° c		24° c		20° d		16° c		below	helow	below	below	below
	Highes	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Temp.	Date	Temp.	Date	Тепр	Date	lemp.	Date	Тепр.	Date	Temp.	Date	Temp.	Date	Temp.	16° or	20° or	24° or	28° or	32° or
WARSAW 2 N WASHINGTON WE NAT AP WATERFORD WAVERLY HILLS WEST POINT 2 SW	105 103 94 104 105	9- 7 7-31 8-26 7-31 9- 7	10 13 - 9	1-13+ 1-23 1-23	2-13 1-23 2-13 2-13	13 14	2-13 2-14	19		24 23 23	4-4 4-4 4-4	28 27 27	4- 4 4- 5 4- 4	28 30 27	10- 8 2 11- 1 3 - 10-31 2 10-31 3	9	12- 3 - -	28	12- 6 - -	22	12- 8 - 12- 7	19	None	16	311	298	276	243	21
WILLIAMSBURG 2 N WINCHESTER 2 SSW WOODSTOCK WYTHEVILLE	103 103 105 96	9- 6+ 7-14 7-14 7-14	- 1	12-22 1-18 1-23 12- 8	2-13 2-13 2-13 3- 4	10 11	3- 4 3- 5	20 17	4- 4 4- 4	24 24	4- 5 4-10	28 27	4-10 4-13	30 31	11- 1 10- 8 10- 8 10- 8	8	10- 8 10- 8	28 27	11- 1 11- 1	23 24	12- 6 12- 6	17 17	12- 8 12- 7	16 16	298 297	277 276	211	186 181	18

TOTAL EVAPORATION AND WIND MOVEMENT

VIRGINIA 1954

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	
CHARLOTTESVILLE 1 W	EVAP DEP	-	<u>-</u>	B3.85	5.36	B6.05	B7.68	7.14	6.49	5.52	B4.28	3.81	-	-	
	WIND	=	=	2114 62.9	1658 77.9	1198 78.3	1102 91.9	883 92.5	1009 89,6	804 85.8	990 74.2	944 53.3	1460		i
	MIN	-	-	43.0	55.1	55.4	65.1	68.2	68.0	62,3	52,5	37.3	-	-	í
OLLAND 1 E	EVAP DEP]	:	-	-	B6.20	9.05	8.36	B7.28	5.64	B4.95	2.03	-	-	
	WIND	-	-	-	-	B1992	1662	1322	1099	942	2289	1123	· -	-	
OHN H. KERR DAM	EVAP DEP	B5,03	2.54	4.93	B6.21	B6.17	8,83	B8.90 -	B7.07	B6.57	B5,00	=	-	:	
	WIND	2334	1936	2722	2142	1731	1423	-	-	1697	2892	-	-	-	
HILPOT DAM 2	EVAP DEP	B1.90	B3.08	3.70	5.06	4.85	B7.13	7.13	5,94	5,87	B3,87	-	-	-	
	WIND	1761	1585	1856	1516	1068	798	839	772	77,8	906	-	-	-	

MAX and MIN in Table 6 refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

1.9	CHANGES	IN_	STATION	NAMES

NEW NAME	OLD NAME	DATE	
HURLEY 1 SE NEWPORT 2 NW POWEATAN 5 SW SURRY 4 SW TYE RIVER 1 SE	HURLEY 1 E NEWPORT POWHATAN 2 E SURRY 3 S TYE RIVER	June August March March March	1954 1954 1954 1954 1984
WILLIAMSBURG 2 N	WILLIAMSBURG	March	1954
	RELOCATIONS		
CLARKSVILLE DITCHLEY 1 S	Thermometers removed All equipment moved 11.8 miles NNE	March	12, 1954
FAIRFAX HURLEY 1 SE	to Sunnybank All equipment moved 0.3 miles SSW Rain gage moved 270 feet ESE	August April May	16, 1954 9, 1954 10, 1954
MARSHALL	All equipment moved 7.5 miles E to The Plains 2 SE	April	1, 1954
MONTEREY MOORES CREEK DAM NATURAL BRIDGE STA	All equipment moved 40 feet NNE Rain gage moved 200 feet E All equipment moved 0.5 mile S	May December September	26, 1954 14, 1954
POWHATAN 5 SW RANDOLPH RIVERTON ROCKFISH TANGIER ISLAND	All equipment moved 8.0 miles SW All equipment moved 125 feet SE All equipment moved 0.4 mile SW Rain gage moved 250 feet SE All equipment moved 0.6 mile W	March March July May December	12, 1954 13, 1954 26, 1954 1, 1954 1, 1953
TROUT DALE TYE RIVER 1 SE WILLIAMSBURG 2 N	Rain gage moved 400 feet E All equipment moved 2.0 miles SSE All equipment moved 2.3 miles N	December March March	1, 1954 18, 1954 9, 1954

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Station	Index No.	County	Drainage	Latitude	Longitude	Elevation	re	Precip cord	or c	Worth	r.	Refer to ables		Station	Index No.	County	Drainage ‡	Latitude	Longitude	Elevation	re	Precip.	durii	Woold Month	Refer to tables
ABINGDON AFTON BOXWOOD GARDENS ALEXANDRIA POTOMAC YARDS ALLISONIA ALLISONIA	0055 N 0097 0135 P	VASHINGTON VELSON PULASKI LAMPBELL	13 11	36 42 38 02 38 49 36 56 97 06	82 00 78 50 77 03 80 45 79 18	2000 1250 20 1870 503	17	13 24 17 3 9			1	2 C 2 3 2 2 C		INDIAN VALLEY JEWELL RIDGE JOHN H. KERR DAM JONESVILLE 2 SSE JORDAN MINES	4404 4414 4448	FLOYD TAZEWELL MECKLENBURG LEE ALLEGHANY	6 15 6	36 54 37 11 36 36 36 40 37 41	80 34 81 47 78 17 83 06 80 05	2700 2750 323 1375 1350	4	20			C 1 2 3 4 2 C
AMISSVILLE APPOMATICX ASHLAND 1 SW AUGUSTA SPRINGS 1 E BACK BAY WILDLIFE RFG	0243 A 0327 H 0356 A	RAPPAHANNOCK APPOMATTOX HANOVER AUGUSTA PRINCESS ANNE	9	38 41 37 21 37 45 38 07 36 40	76 01 78 50 77 29 79 18 75 55	550 825 220 1820 5	42	11 16 42 2 2	DEC		1	2 2 2 3 2 3 2 3		KERRS CREEK LAFAYETTE 1 NE LANGLEY AIR FORCE BASE LAWRENCEVILLE LEE EXPERIMENTAL FOREST	4676 4720 4768	ROCKBRIDGE MONTGOMERY ELIZABETH CTY BRUNSWICK BUCKINGHAM	15 5	37 51 37 14 37 04 36 46 37 32	79 31 80 13 76 22 77 51 78 33	1400 1280 9 254 500	69 9 13	13 4 118 9			2 2 1 2 3 1 2 3 1 2 3
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	0551 8 0670 0 0712 5	ROCKBRIDGE BEDFORD LARKE SCOTT MADISON	15 16 8	37 38 37 21 39 09 36 40 38 31	79 27 79 31 77 59 82 30 78 26	725 975 580 3150 3535	7 26 3	23 40 12 19			1	2 3 2 3 2 3 2 C		LOUISA LOVES MILL	4909 5050	ROCKBRIDGE LOUDOUN LOUISA WASHINGTON PAGE	13 17 8	37 47 39 07 38 01 36 45 38 40	79 26 77 43 78 00 81 41 78 23	1060 500 437 2060 1120	76 53 39	83 54 39 20			1 2 3 1 2 3 1 2 3 2 2 1 2 3
BLACKSBURG 2 BLACKSTONE CAA AIRPORT BLACKSTONE WATER WORKS BLAND BOWLING GREEN	0773 N 0778 N 0792 E	MONTGOMERY NOTTOWAY NOTTOWAY BLAND CAROLINE	11 12 12 11 17	37 04	80 25 77 57 78 01 81 07 77 21	2040 435 423 2000 225	3 9	3 9 4 5			1	2 3 2 3 C 2 2		LYNCHBURG MADISON HEIGHTS LYNCHBURG WB AIRPORT MANASSAS MARION MARTINSVILLE FILTER PLANT	5120 5213 5266	AMHERST CAMPBELL PR WILLIAM SMYTH HENRY	13	37 25 37 20 38 45 36 51 36 42	79 08 79 12 77 28 81 31 79 53	690 947 312 2200 760	83 7 16	83 38 48 24			2 1 2 3 C 1 2 3 2 1 2 3
BOYKINS BREMO BLUFF BRISTOL BRISTOL TVA BROOKNEAL	0993 F 1037 W 1047 W	GOUTHAMPTON FLUVANNA MASHINGTON MASHINGTON CAMPBELL	9 B	36 35 37 42 36 36 36 37 37 03	77 12 78 18 82 10 82 10 78 57	40 225 1998 1920 500	21	1 14 21 6 5	MAR		1	2 3 2 2 3 2 2 3		MATHEWS 1 SSW MC GAHEYSVILLE 3 S MEADOWS OF DAN 5 SW MENDOTA MONS	5423 5453 5501	MATHEWS ROCKINGHAM PATRICK WASHINGTON BEDFORD	16 7 8	37 25 38 21 36 40 36 42 37 27	76 20 78 44 80 27 82 18 79 37	10 1080 1500 1350 2505	9	5 47 9			1 2 3 C 2 2 1 2 3
BUCHANNON BUCKINGHAM 1 E BUENA VISTA BURKES GARDEN BYLLESBY	1136 E 1159 R 1209 T	BOTETOURT BUCKINGHAM ROCKBRIDGE FAZEWELL GARROLL	9 9 11 11	37 32 37 33 37 44 37 06 36 48	79 41 78 32 79 21 81 20 80 55	875 500 835 3250 2075	36 57	53 19 17 59			1	2 3 2 2 3 2 3 2		MONTEBELLO 3 NE MONTEBELLO FISH NURSERY MONTEREY MOORES CREEK DAM MOUNT WEATHER	5690 5698 5729	NELSON NELSON HIGHLAND ROCKBRIDGE LOUDOUN	13	37 53 37 51 38 25 37 45 39 04	79 06 79 07 79 36 79 38 77 53	2450 2700 2950 1600 1725	9 13 50	17 29 19 51			1 2 3 C
CAPE HENRY WB CITY CAPARON CATAMBA SANATORIUM CHANTILLY CHARLOTTE COURT HOUSE	1375 S 1471 R 1570 F	PRINCESS ANNE SOUTHAMPTON ROANOKE FAIRFAX CHARLOTTE	12 9 13	36 56 36 44 37 23 38 53 37 03	76 00 77 15 80 05 77 26 78 38	16 50 1890 320 550	80 14 43 7 8	80 14 43 7 8		MAR AUG	1 1	2 3 C 2 3 2 3 2 3 C 2 3 C	,		5941 6004 6012 6046 6054	ROCKBRIDGE BUCKINGHAM CRAIG GILES	9	37 35 37 42 37 30 37 19 36 59	79 30 78 18 80 06 80 31 76 26		59 33	12 61 17 9			2 1 2 3 2 2 1 2 3
CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHATHAM 5CS	1598 A 1606 M 1614 P	LBEMARLE ALDEMARLE ECKLENBURG PITTSYLVANIA	7	38 02 38 02 36 46 36 50 36 45	78 31 78 31 78 28 79 22 79 25	870 540 520 700 852	11 4 .7 31	76 7 31	4		1	2 3 4 C 2 3 4 C 2 3 2 3		NORFOLK WB AIRPORT NORFOLK NORTH BRISTOL SUBSTATION NORTH RIVER DAM OLINGER	6144 6169	PRINCESS ANNE WASHINGTON AUGUSTA LEE	16	36 53 36 52 36 37 38 21 36 49	76 12 76 17 82 11 79 16 82 52	26 11 1740 1918 1400	9 84	9 84 7 24 20			1 2 3 1 2 3 2 2 2
CHERITON CHILHOWIE 1 S CHINCOTEAGUE CHURCHVILLE CLARENDON LYON PARK	1675 S 1683 A 1708 A	NORTHAMPTON SMYTH ACCOMAC AUGUSTA ARLINGTON	16	37 17 36 47 37 56 38 14 38 54	75 58 81 41 75 26 79 10 77 05	2000 36 1475 225	18	27			1	2 3 2 3 C C		ONLEY 1 5 PARTLOW 3 WNW PEDLAR DAM PENNINGTON GAP 1 W PHILPOTT DAM 2	6593 6626	ACCOMAC SPOTSYLVANIA AMHERST LEE HENRY	17 9 6	37 41 38 03 37 41 36 45 36 47	75 43 77 42 79 17 83 03 80 02	40 250 800 1550 1123	37 3 23 2	37 3 20 23 2	2		1 2 3 1 2 3 2 1 2 3 1 2 3 4
CLARKSVILLE CLEVELAND CLIFTON FORGE CLINCHCO CLINCHCO CLINCHCO	1776 F	MECKLENBURG RUSSELL ALLEGHANY DICKENSON SCOTT	6 9	36 38 36 57 37 49 37 10 36 40	78 33 82 09 79 50 82 19 82 45	325 1540 1055 1530 1260	35	63 21 30 4 59				2 3 2 2 2 2	1	PIEDMONT FIELD STATION PILOT POWHATAN 5 SW PULASKI PULASKI CAA AIRPORT	6723 6906 6955	ORANGE MONTGOMERY AMELIA PULASKI PULASKI	11 9 11	38 13 37 03 37 29 37 02 37 05	78 06 80 22 77 59 80 47 80 47	500 2200 350 1850 2189	7 5 16	8 13 5 13			1 2 3 2 1 2 3 2 C
COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL COVINGTON	1955 C 1986 F 1999 F	GOOCHLAND CAMPBELL ROCKINGHAM FLOYD ALLEGHANY	15 16 11	37 46 37 17 38 38 37 06 37 48	78 09 78 58 78 51 80 07 80 00	300 650 1070 2770 1245	52	56 5 12 14 17	-			2 3 C 2 2 2 2		QUANTICO 1 S RADFORD RANDOLPH RAPIDAN RICHMOND WB AIRPORT	7004 7025 7033	PR WILLIAM PULASKI CHARLOTTE ORANGE HENRICO	13 15 14	38 30 37 05 36 54 38 18 37 30	77 19 80 35 78 43 78 04 77 20	12 1855 329 300 162	54	50 49 49 9			1 2 3, 2 C 2 C
CROZET 2 N CULPEPER DAHLGREN PROVING GROUNDS DALE ENTERPRISE DAMASCUS	2155 C 2195 F 2208 F	ALBEMARLE CULPEPER KING GEORGE ROCKINGHAM MASHINGTON	14 13 16	38 05 38 29 38 20 38 27 36 38	78 42 77 59 77 02 78 56 81 48	750 475 18 1350 1950	12 45 35 72	12 47 35 74 28			1	2 3 2 3 2 3 2 3		RICHMOND CHIMBORAZO PARK RIVERTON ROANOKE ROANOKE WB AIRPORT ROCKFISH	7206 7254 7275 7285	WARREN ROANOKE ROANOKE NELSON	16 15 15	37 32 38 56 37 16 37 19 37 48	77 25 76 12 79 56 79 58 78 45	162 550 907 1174 445	74 47 20	83 24 60 22 17		APR	1 2 3 C 2 1 2 3 1 2 3 C
DANTE DANVILLE DANVILLE DANVILLE DANVILLE DARWIN DARWIN DAVENPORT	2245 P 2250 P 2264 C	RUSSELL PITTSYLVANIA PITTSYLVANIA - DICKENSON BUCHANAN	7 7 3	36 59 36 36 36 34 37 05 37 07	82 18 79 23 79 20 82 30 82 06	1765 565 577 1500 1600	36 37 11	37 64 11 6			1	2 3 C 2 3 2 3 2 3		ROCKY KNOB ROCKYMOUNT ROSE HILL SALTVILLE SALTVILLE 1 N	7330 7338 7372 7501	FLOYD FRANKL IN LEE SMYTH	11 15 6 8	36 51 37 00 36 40 36 53 36 53	80 22 79 54 83 22 81 46 81 46	3075 1132 1475 1725 1735	13 61 36	13 61 21 33 38			1 2 3 1 2 3 2 2 2
DEERFIELD 2 NE DELAPLANE DIAMOND SPRINGS DRANESVILLE DRIVER 5 NE	2326 F 2368 F 2491 F	AUGUSTA FAUGUIER PRINCESS ANNE FAIRFAX NANSEMOND	13 5 13	38 13 38 55 36 54 38 59 36 52	79 22 77 55 76 12 77 21 76 30	1800 460 25 375 17	46	28 46 2 12			1	2 C 2 3 2		SEXTON SHELTER SLATE SMITHFIELD SOMERSET SPEEDWELL	7864	MADISON BUCHANAN ISLE OF WIGHT ORANGE WYTHE	14 3 9	38 37	78 21 81 56 76 38 78 15 81 10	3250 1550 37 390		13 13 6			2 2 2 2 2
DUNBAR DUNGANNON ELKWOOD 6 SE EMPORIA 1 WNW EPISCOPAL HIGH SCHOOL	2548 9	MISE SCOTT CULPEPER GREENVILLE	14 10	36 58 36 50 38 27 36 41 38 49	82 45 82 26 77 46 77 33 77 06	2000 2500 300 80 250		20 20 14 24			- 1	2 2 2 3 C 2 2 3		SPRING CREEK 2 STAFFORDSYILLE STAR TANNERY STATE FARM	7997 6022	TAZEWELL GILES FREDERICK GOOCHLAND	6 11 16	37 01 37 14 39 05 37 38 38 09	77 48	180	62	19 4 16 68			2 C
FAIRFAX FALLS CHURCH FARMYILLE FIELDALE FLOVO	2922 F	FAIRFAX FAIRFAX PRINCE EDWARD HENRY FLOYD	13 1 7	38 50 38 53 37 18 36 43 36 55	77 19 77 11 78 23 79 56 80 19						1	2 2 3 · 2 3 C		STUART STUARTS DRAFT SUFFOLK LAKE KILBY SUNNYBANK †SURRY 4 SW	8172	PATRICK AUGUSTA NANSEMOND N'HUMBERLAND SURRY	7 16 2	36 38 38 00 36 44 37 53	80 16 79 03 76 36	1350 1450 22 18	30 8 3	30 6 8 3	AUG		1 2 3 2 1 2 3 1 2 3
FLOYD 2 FORT LEE FREDERICKSBURG FREDERICKSBURG EMBRY PLANT : FRONT ROYAL 6 NNW	3192	FLOYD PRINCE GEORGE SPOTSYLVANIA WARREN	1 14 14	36 55 37 14 38 18 38 18 39 00	77 20 77 28 77 28	2600 60 100 20 677		6 5 63			1	2 2 3 2 3 C .		SUSSEX SWORDS CREEK TANGERIER ISLAND TAZEWELL	8249 8282 8323 8354	SUSSEX RUSSELL ACCOMAC TAZEWELL FAUQUIER	12 6 5 6	36 55 37 02 37 49 37 07 38 51	77 17 81 55 76 00 81 31	98 1900 7 2450	3	3 19 3 20	APR		1 2 3 C 2 1 2 3 2 2
GALAX GALAX 3 S GLEN LYN GORDONSVILLE CAA AIRPORT GOSHEN	3267 3268 3397 3462	CARROLL GRAYSON GILES	11 11 17	36 40 36 38 37 22 38 04 37 59	80 55 80 56 80 52 78 10	2385 2520 1524 438		11	DEC	DEC	:	2 2 2 3 2 3 2 3	,	TIMBERVILLE 2 N TROUT DALE TYPE RIVER 1 SE	8448 8547	ROCK INGHAM GRAYSON NELSON MIDDLESEX FAIRFAX	16 11 9	38 40	78 46 81 26 78 56 76 34	1100 3104 590 25	12 18	23 19 16 18			1 2 3 C
GROSECLOSE GROVETON GRUNDY HALIFAX HALIFAX	3623 3635 3640 3690	· ·	8 13 .3	36 52 38 46 37 17 36 46 37 13	81 20 77 06 82 06 76 57	2590 245 1050 425	7	12 4 6 24 13			1	2 C 2 2 2 3 2 3		WALKERTON WALLACE WALLACETON LAKE DRUMMOND WARRENTON 5 NE	8829 8833 8837 8888	KING & QUEEN WASHINGTON NORFOLK FAUGUIER RICHMOND	17 8 2 13	37 44 36 39 36 37	77 01 82 08 76 26 77 44	40 1885 25 550	21 4 4	22 19 29 4			1 2 3 2 2 1 2 3 1 2 3
HIGH KNOB HILLSYILLE 1 NW HOG ISLAND LITTLE MACHIPONGO HOLLAND 1 E	3959 3991 4031 4044	NISE CARROLL	6 11 2	36 54 36 46 37 28 36 41 36 50	82 38 80 45 75 41 76 47	4150 2560 5 80	22	19 12	5	ост	.	2 C 2 C 2 3 4		WASHINGTON WASHINGTON WB NATIONAL AP WATERFORD	8902 8906 8915 8938	RAPPAHANNOCK LOUDOUN ARLINGTON NEW KENT	14	38 43 38 51 39 11 38 53 37 31	78 10 77 02	635 14	14 8	9 14 9 6	MAR		2 1 2 3 C 1 2 3 1 2 3
HONAKER HONAKER 3 NE HOPENELL HOT SPRINGS HUDDLESTON	4076 4083 4101 4128	RUSSELL RUSSELL PRINCE GEORGE BATH BEDFORD	6 6 9	37 01 37 03 37 18 38 00 37 10	81 59 82 02 77 18 79 50	1950 2200 40 2195	62	19 20 67 63			1	2 C 2 3 2 3 C 2 3 C		WHITE GATE †WILLIAMSURG 2 N WILLIAMSVILLE WILLIS WINCHESTER 2 SSW	9060 9151 9159 9169	GILES JAMES CITY BATH FLOYD FREDERICK	11 9 9	37 12 37 18 38 12 36 51 39 09	80 50 76 42 79 34 80 29	1850 75 1700 2900	4	9 14 2 48			1 2 3 C 1 2 3 C 2 2
HURLEY 1 SE INDEPENDENCE INDEPENDENCE 2	4185 I	BUCHANAN GRAYSON GRAYSON	9	37 25	82 01 81 07	990 2530		14				2 2 2		WOODSTOCK WOOLWINE 4 5 WYTHEVILLE	9263 9272	SHENANDOAH PATRICK WYTHE	1,6	38 53 36 43 36 58	78 31	887 1490	56 51	62 4 81			1 2 3 1 2 3 2 C 1 2 3 C

¹⁻APPOMATIOX, 2-ATLANTIC, 3-BIG SANDY, 4-BLACKWATER, 5-CHESAPEAKE, 6-CLINCH; 7-DAN, 8-HOLSTON, 9,JAMES, 10-MEHERRIN, 11-NEW, 12-NOTTOMAY, 13-POTOMAC, 14-RAPPAMANNOCK, 13-ROANDKE, 16-SHEMENDOAN, 17-TORK

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 atandard Teather Bureau type pan of 4 foot diameter unless otherwise shown by footnote 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. Pigures and letters following the station name, such as 12 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.

 Also later date (dates) or months.

 Amount included in following measurement.

 Adjusted to full month.

 Data for recorder stations denoted by "C" 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.

 Amount is wholly or partially estimated.

 Amount is wholly or partially estimated.

 B Assount is wholly or partially estimated.

 B Assount from recording gage (These amounts are essentially accurate but may vary slightly from the amounts to be published later in Hourly Precipitation Data).

 Trace, an amount to omal't to measure.

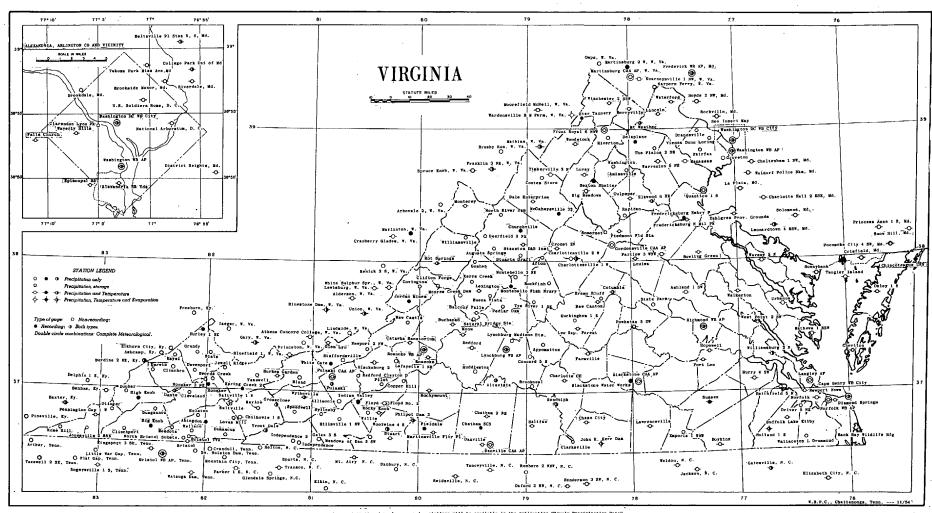
 V Includes total for previous month.

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

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See Page 169 for Change of Station Names

NWRC., Asheville, N. C., --- 4/13/55 --- 1150



Hourly precipitation data from recorder stations will be available in the publication "Bourly Precipitation Data".