### U. S. DEPARTMENT OF COMMERCE

FREDERICK H. MUELLER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

# CLIMATOLOGICAL DATA

# **VIRGINIA**

ANNUAL SUMMARY 1959
Volume LXIX No. 13



Table 1													,											······································		1959
	Jan	uary	Febr	ruary	Ma	rch	Ap	ril	Ма	ıy	Ju	ne	Ju	ly	Aug	gust	Septe	mber	Octo	ber	Nove	mber	Decer	nber	Ann	ual
STATION	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departuse	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS	32.0 34.5 39.1 34.0		35.9 38.5 44.4 39.3		42.6 45.6 45.3 48.6 44.2		56.0 58.8 57.8M 58.8 56.9		66.7 69.4 67.6 68.1 68.1		72.9 74.8 72.8 73.9 72.2		76.9 78.0 77.0M 77.5M 76.8		78.5 79.7 77.8 78.9M 77.8		71.0 71.7 70.7 74.0 68.6		60.6 61.3 60.4 66.2 58.5		44.5 46.6 43.1 53.8 45.0		39.3 40.5 36.9 45.9 38.3		56.4 58.3 60.8 56.6	
BEDFORD BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTONE FAA AIRPORT	37.6 30.7 27.6 29.2 37.4		42.1 36.1 32.6 35.5 41.6		46 • 8 41 • 5 36 • 6 40 • 6 47 • 2		59.6 55.3 50.1 53.7 59.5		69:3 65:4 59:9 64:9 69:1		73.4 70.6 63.1 67.2 74.9		76.3 75.0 67.0 72.5 76.7		77.9 76.1 69.0 73.5 78.5		69.7 68.7 61.2 65.0 70.9		59.9 57.5 51.5 55.0 60.8		46.7M 42.9 38.4 41.3 47.8		42.3 37.6 34.2 36.4 42.1		58.5 54.8 49.3 52.9 58.9	
BOWLING GREEN BOYKINS BRISTOL BUCHANAN BURKES GARDEN	38.3 40.1 35.1 36.7 30.1	- 2.1 - 3.9	44.2 42.9M 42.1 36.0	2 • 3	50 • 2 45 • 2 45 • 5 38 • 4	- 1.3 - 2.0	61.4 57.9M 58.0 51.8	1.7 2.2	70.7 68.2 68.7 62.7	3 4 4 5 • 0	75.4 70.2 71.9 62.6	9	78.7 75.9 76.0 69.0	•0	79.4 76.4 77.9 69.2		72.7 69.6 70.0 62.3	1.1	63.7 59.2 59.5 53.2		45.9M 46.2 40.1	4 3	44.3 40.9M 41.0 35.9	2+6 2+3	57.3 57.8 50.9	.9
CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	40.1 34.3 35.6M 34.9 37.7		43.2 39.5 39.4M 39.5 41.8	2•3 1•0	48 • 4 43 • 7 46 • 9M 46 • 7 46 • 9	<b>- ∙</b> 2	59.4 57.0 59.0M 58.7 59.8	3 • 3 2 • 4	68.7	3 • 5 2 • 6	74.5 69.5 73.2N 74.2 73.9	1	78.2 73.3 76.8M 76.7 76.9	6	79.2 74.4 78.2 78.3 77.9		73.9 66.4 70.0 70.8 70.9	1	65.5 56.7 59.8 59.9 60.4		52.1 43.3 46.2M 46.2 47.7	- 2.1 - 2.0	45.8 39.0 40.6 41.2 41.6	1.8	60.7 55.3 57.9 56.0 58.8	•7
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 S COLUMBIA	38.6 35.0 38.5 30.2 34.0	- 4.8	43.5 40.7 41.1 37.9 38.3	7	49.2 46.3 48.3 40.4 45.0	- 1.3 - 1.7	60.9 58.2 60.0 52.5 57.5	1.1	70.9 68.1 69.2 63.4 68.3	1.8	76.2 72.3 75.3 65.6 73.0		77.2 75.7 77.9 70.6 76.6	- 1.3 - 1.0	78.8 77.4 79.8 71.0 78.0	a <sup>-</sup>	70.8 68.9 73.6 63.5 69.9M		61.4 59.6 64.9 54.4 59.6		49.3 47.3 50.8 43.4 45.6	- •5 - 1•7	43.0 41.5 45.0 36.6 39.9	2.1	60.0 57.6 60.4 52.4 57.2	3 1
CORBIN CROZET 2 N CULPEPER DAHLGREN WEAPONS LAB DALE ENTERPRISE	33.3 36.8 35.0 35.0 32.5	- 2.2 - 3.1 - 3.1		1.7 1 1.4	45.3 47.3 45.1 45.4 42.0	.0 2 - 1.0	58.2 59.1 58.6 58.3 54.1	2.9 3.0 1.5	68.3 70.1 68.4 69.3 64.6	2 • 8 3 • 9 2 • 3	73.2 73.5 73.5 75.2 69.3	1.4	76.9 76.8 76.2 77.4 73.2	8 4 3	78.6 78.4 78.3 79.3 74.8	3.0	71.0 71.9 70.1 72.1 67.1	2 • 1	60.3 61.2 60.3 61.4 56.5	1.9	45.8 47.8 46.1 42.7	8 - 1.7	40.3 41.5 39.6 37.9	2.3	57.4 58.8 57.6	1.0
DANVILLE DANVILLE FAA AIRPORT DEMDRON 1 SW DIAMOND SPRINGS ELKWOOD 6 SE	38.5M 38.4 40.8 33.0	- 3.2	43.2 42.7 43.9 38.2	- •3	48 • 1 48 • 0 49 • 9 45 • 2	- 1.4	61.7 59.8 M 60.5 58.2	2.7	71+0 70+6 M 69+8 67+0	3.0	75.7 75.7 75.6 75.6	,	77.8 78.3 78.4 76.0	6	79.9 79.8 M 79.3 77.6	2.5	70.2 70.3 73.0 68.9M	- 1.4	61.4 60.8 65.7 58.5		47.5 47.4 52.8	- 1.9	42.0M 41.8 45.4 39.3	•9	59.8 59.4 61.3 56.5	•2
FALLS CHURCH 2 SW FARMVILLE FLOYD 1 NE FORT LEE FREDERICKSDURG	32.4 37.2 33.1 38.1 33.1M	- Z•8	37.2 41.6 37.7 41.7 38.6	•9	43.7M 46.9 41.2M 47.1 45.4	- •8	57.3M 59.4 54.2M 59.2 58.8	2.5	56.7 M 64.0 68.2 68.3	340	72.4N 71.71 66.3 74.5 72.9	:	76.6M 76.8M 71.6 77.7	8	77.7 78.6 72.0M 78.4 77.5	2•7	70.3 70.0 64.5 70.6 71.9M	•2 2•7	60.3M 60.3 56.9M 61.6 60.9		44.9 47.2 42.7 47.9 46.5	8	39.0 40.6 37.5M	2.9	56.6 53.5 58.9 57.6	.9
GALAX RADIO WBOB GLEN LYN GORDONSVILLE FAA AP HALIFAX 5 ENE HOG ISL LTL MACHIPONGO	33.3 34.0 33.5 37.2		38 · 8 40 · 7 37 · 8 42 · 3		41.00 43.0 43.3 47.0	- •2	54.5 57.5 56.4 60.4	340	54+1 68+2 66+2 70+5	340	66.2 70.6 71.9 74.8		71.3 76.2 75.9 77.3	•2	71.8 77.2 76.9 78.4		64.6 69.4 69.2 69.9 73.2		56.1 59.5 58.0 60.3		42.7 45.8 44.0 48.2 50.4M	.,	38.2 39.7 38.7 41.6	217	53.5 56.8 56.0 59.0	.,
HOLLAND 1 E HOPEWELL HOT SPRINGS JOHN H KERR DAM	37.4 39.1 31.7 36.1 39.2	- 3.0 - 1.1 - 2.8		46 344 147	48.6 49.0 40.2 47.3 49.2	- 1.1 4	58.8 61.9 53.3 59.0 60.4	2.4	69.5	1.6 4.3 2.9	73.9 75.2 66.4 74.1 76.6	1	77.9 77.7 71.6 77.5 79.1	- 1.6 1.4	78.8 78.8 73.0 77.8 81.0		71.9 70.3 65.3 68.8 74.3	2.9	63.3 62.5 54.9M 60.4 65.5	2.4	49.7 50.9 41.9 47.1M 51.4		42.8 43.9 37.0 41.5 45.6	2•1 3•9	59.5 60.2 53.0 58.3 61.3	1 2.0
LAWRENCEVILLE LEXINGTON LINCOLN LOUISA LURAY 5 E	38.7 35.6 32.1 34.5 33.8M		42.5 41.2 38.0 39.7 38.9	2•7 1•3	47 • 2 44 • 8 43 • 8 45 • 6 44 • 2	- •8 - •7	60.4 57.5 57.2 59.1 56.2	2•4 2•6	69.2 68.3 67.5 68.0 66.0	4.2 2.1	74.4 71.9 72.8 72.9 70.1	- •9	77.3 76.0 76.7 76.0 74.2	1.0 - 1.1	78.6 77.5 78.2 77.8 76.2		70.1 69.1 72.1 69.7 68.9		61.0 59.0 60.1 60.0 59.1		50.7 45.9 44.8 46.0 44.9	- 2.1	41.6 39.7 39.8 40.3 39.5	2 • 1 2 • 9	59.3 57.2 56.9 57.5 56.0	1.4 •6
LYNCHBURG WB AIRPORT MANASSAS MARTINSVILLE FILT PL MATHEWS 1 SSW MONTEREY	36.0 34.4M 35.4M 37.5 25.1M		40.4 37.8M 41.1 40.7M 31.5	1•2	45.5 44.9 44.6 47.8 39.1	9	57.9 58.8M 57.9 58.9M		68.0 68.5 68.0 69.0M 59.5	3•0	73.5 73.6 71.5 74.7 62.8	•7	75.8 76.1 75.8 77.6 68.4	<b></b> 2	77.7 77.6M 76.7 79.1 69.1	3.5	69.4 M 67.8 70.9 61.9		59.1 59.4M 63.2M 52.1		45.5 44.3M 45.1 49.5M 37.9	- 1.8	41.5 39.4M 39.9 43.0 32.9M	2 • 6	57.5 59.3	•9
MOUNT WEATHER NASSAWADOX NELSONIA NEW CANTON NEWORT NEWS PRESS BLD	29.1 36.7 37.2 39.8	- 1.5	35.2 40.1 41.3 43.9	4.5 1.6	41 • 2 47 • 3 45 • 9 49 • 6	2.5	55.5 57.8 59.3 61.1	7•0 3•2	64.7 68.1 67.7 70.8	4 • 8 2 • 6	70.0 75.1 75.4 71.8 76.4		72.7 78.3 78.3 75.7 78.8	•2	74.5 79.1 79.1 77.0 81.6	2.7	68.1 71.8 69.0 74.4		57.5 63.7 M 59.1 66.0	1.2	42.0 50.1 50.4 47.6 52.3	- •1	37.4 43.3 43.5 40.8 46.1	5•6 1•9	54.0 59.3 57.7 61.7	3.0 - 1.7
NORFOLK WB AIRPORT NORFOLK PAINTER 2 W PARTLOW 3 WNW PEAKS OF OTTER	39.7 41.8 37.8 32.5 31.2M	- 1.5	1 1	1.7		• 3	60.2 61.7 57.8 57.8 54.0	3.9		3 . 8	76.4 77.5 74.8 72.6 67.7		78.7 78.8 77.8 75.5 70.6	1.2	79.4 81.4 78.8 77.5 72.7	3.0	73.6 73.9 70.9 71.2 64.3M		64.7 64.7 63.1 60.5 54.2M		51.1 53.3 50.0 46.1 41.6	3	44.8 46.6 43.6 40.6 37.9M	2•0	61.0 62.4 59.3 57.3 53.1	1.8
PENNINGTON GAP PHILPOT DAM 2 PIEDMONT FIELD STATION POWHATAN 5 SW PULASKI FAA AP	30.8 34.5 35.2 36.2N 32.5	- 6.1	38.0 39.6 40.0 40.9 38.0	• 2	41.3 44.8M 46.1 46.6 40.9	- 3.0	53.2 57.4 56.7M 59.6 54.6	- •B	67.7 68.1 64.6	3,1	68+6 72+8 73+1 72+6 67+9	- 2.2	73.0 76.0 76.4M 77.2M 72.6	9	74.2 77.5 77.4 77.5M 77.8M		66.5 68.3 69.3 69.9		56.5 59.3 59.1 60.1		41.0 45.5 43.8 47.3	- 3.0	37.1 40.1 38.3 40.5M	- •1	53.9 56.9 58.0	- 1.1
QUANTICO 1 5 RICHMOND WB AP ROANOKE ROANOKE W3 AIRPORT ROCKY KNOB	34.3 37.5 36.9 36.0 31.1N	- 2.4	38 • 1 41 • 6 41 • 9 40 • 9 36 • 2	` 1.8	44.7 47.3 46.2 45.5 41.7	- •6	58.0 59.3 58.3 58.5 53.8	2.9 3.2 1.9 3.0	68.6 69.4 68.9		74.8 73.3	•5	77.6 77.9 76.4 77.1 70.3M		78.9 79.0 78.0 79.1 71.8M	3 • 1 3 • 1 4 • 8	71.9 70.8 69.5 70.3 63.9M	8	60.8 61.4 59.6 59.6 53.0M	2.6 1.2 1.7	45.3 47.3 45.3 44.8 42.3	- 1.7 - 1.1 - 1.8 - 2.1	41.6	2.5 2.1 2.4 2.1	57.7 59.0 58.0 58.0 52.5	1.2 1.3 .8 1.4
ROCKY MOUNT ST PAUL SALTVILLE 1 N STAUNTON D AND B INST STUART	35 • 1 31 • 5 33 • 0 37 • 2	- 4.3 - 5.7 - 3.2	38.9	1.1	44.8 41.6 43.6 44.9	- 1.6 - 2.8	57.4M 55.1 55.8 57.6	1.5 .5 2.7	6648 6648 6643 6747M	1+3 2+6 3+0	69.6	- 3.2 - 2.4 - 1.4	73.6 74.8 74.2 73.5	.0	75.2 75.5 75.8 74.8	3.2	68•5 67•6 67•0	•8	58.6 57.5 58.1	1.0	42 • 2M 44 • 0 44 • 0 46 • 0	5 - 1.1	40.3 M 36.8 39.2 41.2M	•9 •0 2•8	55.1 55.4 56.7	3 .8
SUFFOLK LAKE KILBY SUNNYDANK SUSSEX TANGIER ISLAND TIMBERVILLE 2 N	38.0 36.6 40.4 30.6	t.	42.9 40.1 43.9 36.3		47.9 46.9 49.7 41.1		59.2 57.7 61.4		6941 6845 7049		75.1 75.2 75.6 76.8 68.9		77.8 77.9 78.4 79.1 73.5		78.7 79.7 79.5 80.4 75.1		72.2 72.0 72.4 74.8 66.7		63.0 63.5 63.8 64.0 56.4		49.7 49.3 M 51.6M 43.2		44.1 41.7M 43.2M 38.7		59.8 59.1	
URBANNA WALKERTON WARRENTON 5 NE WARSAW 2 N WASHINGTON	38.1 37.5 31.7M 36.9 30.8		41.6 41.0 35.7 40.6 33.9		49 ±0 47 •7 43 • 0M 47 ±3 40 • 8		59.7 59.6 55.9M 58.9 54.5M		6847 6846 6646M 6943 6447		74.7 73.7 72.8 75.9 70.7		77:4 77:4 75:6M 77:7 74:3		78.3 78.6 76.9M 79.1 75.6		70.8 71.0 69.9 71.5 67.5		62.4M 61.7 59.0 61.8 57.7		49.2 48.1 45.0M 48.3 42.0		43.3 42.1 39.2 42.8 37.5		59.4 58.9 55.9 59.2 54.2	
WASHINGTON WB NAT AP WAVERLY HILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW	34.9 34.2 38.9 38.9 31.7	- 1.3	39.0 38.8 42.4 42.3	1.9	ŀ		58.5 58.6 60.8 60.3 57.0	4•1	69.8 68.3 70.1 69.3 67.1	5#1 248			78.5 77.3 77.9M 77.9 75.5	1 • 2			73.2 72.1 71.7 71.9 70.0		62.2 61.1 63.1M 63.4 58.6		46.8 46.2 49.7 50.3 43.9	- 09	42.0 41.1 42.5 43.3	4.0	58.9 58.1 60.0 60.0 56.2	2.4
WISE 1 SE WOODSTOCK WYTHEVILLE	32.0 31.4 32.1	- 5.0 - 4.6	38 • 1 37 • 1	•0	41 = 2 41 = 6 41 = 1	- 2.8	53.9 54.6 53.8	•2	63.7	.5	65 • 1 69 • 4 66 • 6	- 2.4 - 2.6	70.8 73.1	- 2.5 •1	71.1 75.4 72.4	1•7 1•5	64.8 66.9 64.8	3	55.3 56.2 55.4	7 •1	41.2 42.1 43.4	- 3.7 5	37.7 36.8 36.9	•2 •6	52.9 54.1 53.5	- 1.2 3

#### AVERAGE TEMPERATURES AND DEPARTURES FROM LONG-TERM MEANS

VIRGINIA

	Jan	uary	Febr	nary	Ma	ch	Āp	ril	Ma	ıy	Ju	20	Jv	ly	Au	gust	Septe	mber	Oct	pper	Nove	шрег	Dece	mber	Ann	ual
STATION	Temperature	Departme	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departme	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
IVISIONAL AVERAGES																							1			
IDEWATER ASTERN PIEDMONT		- 2.7	42.1 40.5		48+2		59.5		69.3 68.4	2 • 8			78.0 76.7		79.3 78.0		72 • 4 70 • 1		63.5		50.2	I - 1.2	43.7	2.5		1
ESTERN PEIDMONT	36.1	- 3.4	40.9	• 7		- 1.0	58.6	2 . 9	68.7	2.7	76.5		75.9 75.1	9	7744 7740	2+1	69.2	- •2	59.5	• 3	46.3	- 1.6	41.0	1.7	58.0 55.9	,
NTRAL MOUNTAIN		- 3.2			43.3		56.3		66.2		70.0	6	74.2		75.7		67.5		57.3			- 1.1		2.3		١.
OUTHWESTERN MOUNTAIN	31.9	- 4.4	38.2	1.4	41 + 4	- 1.9	54.3	1.3	6449	2 . 9	67.1	- 2.4	72.4	.1	73.0	1.7	65 • 6	•0	56+1	.7	42.8	7	37.6	1.6	53.8	i

A narrative Special Weather Summary appeared in the April, July, September and October issues of this publication for 1959.

TABLE 2		101	IAL PH	ECIP.	IIP	riic	)IV	ANL	וע נ	LPA	nι	nea	т	OM	7.(	MG-	ıcı	TATA.	TATE	MNS				VII	RGINIA 1959
	JANL	JARY	FEBRUARY	MARCH		API	eit.	ма	.Υ	υU	NE	JU	ιγ	AUGU	IST	SEPTEMBE		остове	ER	NOVEMBE		DECEM	BER	АИА	IUAL
STATION	PRECIP.	DEPARTURE	PRECIP. DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.		PRECIP.	DEPARTURE	PRECIP.		PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
ABINGDON ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS ALLISONIA ALTAVISTA			2486 1079 1029 035 1073	3 • 88 £ 2 • 53 2 • 45 £ 2 • 05 3 • 34		4.71 4.59 4.01 4.64 4.99		2.27 4.14 3.03 2.03 2.74		1.74 5.90 5.32 1.07 1.73		3.87 3.04 5.22 2.77 4.34		1.70 1.45 2.79 2.59 3.36		2.41 2.70 1.61 5.14 3.43		6.54 4.22 2.71 3.47 4.86		3.92 2.04 2.28 1.97 2.23		3.51 4.10 4.96 2.04 2.54		40.37 €38.80 38.04 E30.70 36.91	
AMISSVILLE APPOMATTOX ASHLAND 1 SW AUGUSTA SPRINGS 1 NE BACK BAY WILDLIFE RFG	1.78 E 1.34 E 1.57 1.11 1.95		.94 .98 E 1.73 1.43 2.92	2 • 67 3 • 72 3 • 06 E 2 • 95 6 • 00	•	3.79 4.47 5.17 4.40 4.65		2.65 1.59 2.59 4.53 1.11		5.38 1.31 1.40 2.40 1.57		5.72 7.93 5.57 6.35 7.02		2 • 69 2 • 24 3 • 81 2 • 75 1 • 35		2.83 2.82 1.96 1.00 3.32		4.69 4.74 5.62 5.61 5.98		2.12 3.15 5.44 1.80 2.38	E	2.33 2.49 2.73 2.48 2.46	,	37.59 E36.78 E40.65 E36.81 40.71	
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	2:12 2:11 1:45 3:63 2:33	-1.50 -1.53	.96 -1.81 1.24 -1.4 .97 3.21 1.45			4.34, 4.61, 3.50, 4.47, 5.17.	.80 1.16	3.40 1.60 3.50 3.68 3.18		4.25 3.54 5.89 2.22 3.91	-1.05	6 • 13 5 • 5 7 2 • 82 2 • 26 2 • 23		5.99 3.33 2.62 3.95 3.57	1+08 -2+20		46	9.56 3.88 4.59 5.64 8.18	6•42 •91	2.52 - : 2.48 - : 1.68 5.35 1.80			-1.00 -1.06		7.14 - 5.75
BIG STONE GAP BLACKSBURG 2 BLACKSTONE FAA AIRPORT BLAND BOWLING GREEN	4.23 2.42 1.95 1.34		3.43 1.87 2.10 .80	3.37 2.97 3.16		4.72 4.78 4.36 5.08		3.56 2.20 1.69 2.73		2.96 1.77 1.45 1.27	ĺ	5:41 2:83 11:96 2:55		4.80 4.22 1.33 4.25		3.73 5.41 2.81 3.10		5.92 4.94 3.20 4.52		5.30 3.08 6.34 2.49		4.85 2.41 3.30 2.45		53.86 39.30 43.46 33.74	
BOYKINS BREMO BLUFF BRISTOL BRISTOL TVA BROOKNEAL	2 • 23 1 • 41 2 • 24 2 • 90 1 • 92		2.52 1.26 3.14 3.40 1.90	3.29 3.38 4.12 4.26 2.45		5.91 4.43 5.08 5.41 3.91		2.30 2.83 4.26 3.61 .91		2.28 3.69 1.66 1.37 3.40		9.31 6.06 3.82 3.28 1.85		3.05 3.78 3.08 4.03 1.75		1.72 3.09 2.70 2.26 E 2.98		1.76 4.15 6.06 6.17 7.22		2.93 2.96 4.76 3.19 2.11		2.93 2.50 3.36 4.17 4.20		E50.23 39.54 44.28 44.05 E34.60	
BUCHANAN BUCKINGHAM BUENA VISTA BURKES GARDEN BYLLESBY	1 • 85 1 • 61 1 • 93 2 • 42 2 • 59	-1.59	1.00 -1.7: 1.11, 1.13, 2.13  -1.3: .93	3 4 6 7 3 • 3 4	.71	3.83 4.71 4.04 5.53 5.80	•56 2•22	1.39	-1.74 -1.00	4.15 1.94 3.92 2.27 1.14	35 -1.86	3.41 6.41 9.17 3.42 4.39		3.71 3.64 4.21 4.83 5.95	-1•32 •48	2 • 30 3 • 77	80	5.54 8.53	6•36 3•28	2492	•65E	2.52 2.34 2.58 2.75 2.53	- •78 - •62	E41.66 37.58 48.33 44.07 41.07	- 3·28 - ·31
CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W	1.75 2.08 1.41 1.88 1.91	- 1	1.99; 1.22; -1.3; 1.82; .99; -1.6; .78;	2 • 51	•10 •48	3.37 4.91 4.81 3.72 3.76	1 • 65 • <b>0</b> 1	1.67 3.07 .88 2.34 2.33	-1.69	5.85 1.44 1.89 4.84 4.59	-2.79 .71	7,50 5,17 4,83 6,11 6,49		3.55 4.05 2.50 6.49 7.57	- •69 1•64	2 • 22	14	5 • 75	3•34 3•87	2 • 44	•31	2.59 2.79 2.85 3.37 3.25	- •25 - •20	44.43 43.41 33.91 47.40 45.70	•82 •91
CHASE CITY CHATHAM 2 NE CHERITON CHILHOWIE 1 5 CLARENDON LYON PARK	2.31 1.85 E 1.51 2.65 E 2.81	-1.80	2.40 <sup>1</sup> 1.86 -1.0 2.02 2.12 1.7272	5.09 3.19 2.75 -	•29 •87	5.41 5.23 5.55 4.55	•16 1•17	1.63 2.13 1.92 3.69 2.75	-1.62	1.18 2.30 1.97 3.73 4.86	-1.56 1.08	8.78 5.79 5.91 3.87 4.73	•67	1.56 3.18 3.18	-2•04 -1•99	1 • 77 3 • 67 2 • 36 -1	3B	7.04 6.27 4.48	4•62 1•08	1 a 85 3.a 46	•98 •59E	2.79 3.13 2.77 3.25	- •50 •38	43.50 39.77 E39.00 44.15 E39.98	- 3.82 - 3.51
CLARKSVILLE CLEVELAND CLIFTON FORGE CLINCHCO CLINCHPORT	2 • 65 2 • 65 2 • 08 2 • 51 3 • 88	-1.27 -1.05	2.6452 2.99 1.04 -1.69 2.28 3.22	4+13 4+02- 3+05 3+99	•09E	4.49	1.30	4.69 4.21 4.60 4.38	-1.60 .23	3.09 3.72	-1.08	3.92 2.43 4.34 5.53 3.64	.38	3.87 3.32 3.12 4.81	-2•13 -1•20	3.05 3.65 2.48 1.95	56	5.06 7.94 4.70 5.94	4•72 5•12	4.99 3.16 4.81 5.33	32 32	3.15 3.22 2.65 3.75 4.34	•15 - •41	E41.83 45.11 E43.40 44.41 49.57	~ 3.98 2.57
COLUMBIA CONCORD 5 S COOTES STORE COPPER HILL CORBIN	1.90 1.42 1.96 2.01	-2.17	1.23 -1.29 1.44 .57 1.54 1.31	2.98 - 3.75 2.04 3.42 2.53	•67	4.62 4.84 4.59 4.71 3.01	1.20	4.29 1.79 3.77 3.78 2.02	•41	3.02 1.99 3.54 1.36 2.71	- •32	6.98 4.63 3.63 2.00 4.38		3 · 20 2 · 24 8 · 29 2 · 01	-2•14	2.15 ~1 2.35 1.53 3.36 .96		7.26 7.68 6.78 4.54	2•23	2.76 .93 2.51 2.95	•10	2.27 2.29 2.43 2.22 2.96	- •67	38.84 38.20 34.37 E41.93 31.39	- 2.79
COVINGTON CROZET 2 N CULPEPER DAHLGREN WEAPONS LAB DALE ENTERPRISE	1.60 E 1.35 2.15 1.48 1.51	-1.05 -1.89 74	.91 .97 1.06 -1.33 1.3893 .66 -1.18	2.02	.82	4.25 4.48 3.86 3.20 3.76	•18 •04 1•32	•70 4•22	-1.35 -2.65 .23	3.10	-1.32 83	5.75 4.44 6.62 5.76 4.27	- •32	2.98	- 476 -3•91 -1•41	1.98 -1 4.46 1	21 59 42	3 • 63 4 • 23	2:44 :81 1:54		•17	2.49 3.07 3.37 2.46	.43 .11	37.22 E40.65 39.07 34.78	
DAMASCUS DANVILLE DANVILLE FAA AIRPORT DEERFIELD 1 S DENDRON 1 SW	3.29 2.35 2.00 2.61	60 -1.33	2.61 -1.05 2.1084 2.08 1.20	2.33 2.10 2.81 E 3.40	E	6.24 5.90 6.53 4.68 5.05	2.98	2.16 1.47 1.48 4.24 E 1.71	-2.88	2.22 3.49 5.14 2.18		3 · 85 4 · 79 6 · 88 7 · 29		3.91 3.77 1.27	-1+14 - 426	3.61 - 3.47 2.70	37	6 • 12 5 • 88 7 • 27	3•92 3•38	3.71 1.48 -1 1.87 2.55	96	4.26 3.23 3.17 2.88	1.07	44.83 39.51 42.72 44.64	- •32 - 4•36
DIAMOND SPRINGS DRIVER 4 NE DUNBAR DUNGANNON ELKWOOD 6 SE	1.67 E 1.49 3.78 3.13 2.38	-2 • 05	1.86' -1.45 2.02  3.13  3.10  1.08	3.64 3.99 4.34 2.62	•27	5.22 5.30 3.30 4.51 3.59	1.86	3.67 3.61 2.40	-1.40	3.26 1.44 3.66 2.04 2.82	- •56	8454 7461 5475 4494 3422	2.29	3.03 4.51 2.89 2.33	-4.61	3.76 3.23 2.64 1.31		8 • 8 6 5 • 8 6 5 • 6 5 3 • 8 2	6•03	2:04 ~1 2:15 5:32 3:36 2:89		2.73 2.98 4.96 2.99 2.88	- •17	53.80 E43.39 51.16 43.20 31.34	6.19
EMPORIA 1 WNW FAIRFAX FALLS CHURCH 2 SW FARMVILLE FLOYD 1 NE	1.36 3.34 2.47 1.74 1.49	-1.99 -2.32	2 • 68 - • 49 1 • 09 1 • 66 1 • 61 - 1 • 43 • 88	2.10 2.77 2.88 3.31	•87 L•23	4.86 3.12 4.51 4.59 4.53	1.51	2.71 2.17, 2.42, 1.82, 2.54;		2:17 4:09 6:20 2:10 1:02	-2•11 -2•37	2 • 97	6.52 -1.72	3.22 2.34 2.27 6.52	-3 a 6 l -2 a 4 5	3.49 3.83 2.77 -1 12.10	02	4.10 4.38 5.12 3.58	2.17	2.76 2.42 2.92 1.03	96 E	1 • 80 2 • 22 2 • 65 2 • 84 3 • 17	-1.00 30	43.14	1:08
FLOYD 2 FORT LEE FREDERICKSBURG FREE UNION GALAX RADIO WBOB	3.02 1.58 2.41 1.54 3.16	89	1.17 2.12 1.348! .82 .98	3.94 3.21 2.65 - 2.98 2.76	-56	4.49 4.85 3.77 3.99 4.21	•62	2.18 2.07 2.52 2.07 3.13	-1.08	1.14 .88 3.36 3.77	•16	8.10		5.66 3.34 4.98 5.81 5.57	•13	2.11 10.78	.34	8.02 5.57 3.84 8.02 4.17	•58	2.30	-15	3.64 2.42 2.92 2.92 2.33	•21	50.06 51.14 35.59 42.66 48.05	- 5.07
GLEN LYN GORDONSVILLE FAA AP GOSHEN GROSECLOSE GROVETON	2.14 1.92 2.26 2.42 2.24	- •77	1.24 -1.49 1.22 .88 1.95 2.17	3 • 28 4 • 05 3 • 32 2 • 68	•89	5.17 4.50 4.75 5.11 4.49	2.35	3.26 3.50 3.56 2.44 1.91	- 16	2.91 4.59 2.53 5.69	-2.96	8:72 8:17 3:72 5:04		4.93 5.55 3.16 3.11 1.85	•92	3.25 3.75 5.30 2.04		4.15 2.11 6.89 4.60 4.21	1.85	2.51 2.72 2.44 2.98 2.13	• 26	2.47 2.86 2.15 2.84 3.91	- •08	34.80 42.54 46.65 40.32 38.36	- 2.41
GRUNDY 3 NW HALIFAX 1 N HALIFAX 5 ENE HERNDON HIGH KNOB	3.65 2.22 2.01 1.52 4.34	-1.26	2 • 14 2 • 24 2 • 17 1 • 33 2 • 86	2.42 2.29 4.14	1.50	4.87 6.12 6.57 - 4.88	2•70	1.37 1.67 3.48	-1.94	1.53 2.32 2.24 3.88	-1:98	2.55 5.58 4.21 4.62 4.75	•43	3 • 42 4 • 76 5 • 48	- •90	3.52 5.27 4.91	46	6.41	3.52	4:17 2:18 2:29 	94	3 • 23 3 • 69 2 • 87 	<b>4</b> 53	44.65 41.87 39.50 53.30	- 2.43
HILLSVILLE 1 NW HOG ISL LTL MACHIPONGO HOLLAND 1 E HOLSTON HONAKER	2.56 1.68 1.70 2.85		1 • 1 8 - 2 • 4 1 2 • 0 5 2 • 1 8	3.52 3.50 3.58 3.39		5.66 4.55 3.88		3.51 - 1.16 1.50 2.66		3.62 1.51 2.13		7.56 10.55 2.25 2.86		1.64 2.07 2.61		8 • 29 4 • 40 1 • 92 1 • 36 3 • 48	1	6.30 5.57 2.72 4.02 5.59		1.97 3.85 2.68 3.68 4.33		3.01 - 2.87 3.29 2.83		50.41 31.56 38.79	
HOMAKER 4 NW HOPEWELL HOT SPRINGS HUDDLESTON INDEPENDENCE 2	2.42 1.41 2.13 1.92 3.18	-1.82 95	2.76 2.3314 1.16 -1.55 1.42 1.17	4.47 3.57 3.70	•27 •48	4.00 4.76 4.38 4.63 5.56	1:47 1:39	4.41 477 4.75	-3 •02 •76	2 • 89 1 • 67 2 • 18	-3.28 -1.36	3.15 12.92 5.10 5.80 6.57	.89	4.77 3.81 3.39	-2.24 .00	3.51 10.31	11		3.20 4.10		41 34	3.72 2.10 2.83 2.74 3.66	- •36 - •14	41.75 45.69 45.90 37.27 53.38	3.19 4.38
JEWELL RIDGE JOHN H KERR DAM JONESVILLE 2 SSE LAFAYETTE 1 NE LANGLEY AIR FORCE BASE	2.33 1.94 4.20 2.26 1.97	-1.24	2.80 2.70 3.67 1.47 1.9794	3.30 2.75 4.14 3.00 3.51	•26	3.86 4.83 4.20 4.40 5.68	2+69		-2.51	1.86 .78 3.03 2.06 1.55	-1 • 62	3493 8452 6468 5493 10491	5.71	4.05 3.34 2.67 5.07 .83	-4:22	1.83 6.36 1.88 7.92 5.62		5.69 7.93 5.71 6.23 7.50	5404	4.38 7.46 5.59 2.37 2.34	. 54	3.33 2.91 4.98 2.60 2.44	- •04	40.49 51.48 50.45 46.49 45.36	4.13
LAWRENCEVILLE LEXINGTON LINCOLN LOUISA LOVES MILL	2.75 1.69 1.17 2.30 2.74	-1.53 -1.94	2.40 .93 -1.66 1.8085 1.30 2.36	2.60 3.18 - 3.36 - 2.90 3.21	•49 •38	5.26 4.65 3.89 4.01 5.65	1•77 •31	2 • 25 3 • 24 2 • 56 2 • 53 3 • 54	- •28 -1•64	•78 3•76 5•49 4•16 1•76	#14 1#95	10:65 9:42 5:78 8:12 3:30		2.20 3.15 4.93 3.87 3.04	-1.15 :04	1.15 5.53 2 .47 -2 1.32 3.75	33 95		3•21 1•35	5.26 2.80 1.56 -1 3.13 3.72	•03 •46	2.25 3.09 2.54 2.81 3.16	•13 - •57	E44.85 47.50 E38.39 40.01 42.22	- 4.33

TABLE 2 - CONTINUED	10	IAL II	LECIPII.	ATION	AND	י דע	SPARIC	, 1 ( 11 )		10141		110 1		,11				VI	1959
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	,	JUNE	. JUL	Y	AUGL	UST	SEPTEMBER	ост	OBER	NOVEMBER	DECE	MBER	АИА	UAL
STATION	PRECIP. DEPARTURE	PRECIP. DEPARTURE	PRECIP. DEPARTURE	PRECIP. DEPARTURE	PRECIP.	DEPARTURE	PRECIR. DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	PRECIP.	DEPARTURE	PRECIP. DEPARTURE	PRECIP.	DEPARTURE	PRECIP.	DEPARTURE
LURAY 5 E LYNCHBURG MADISON HTS LYNCHBURG WB AIRPORT MANASSAS MARION	1.78 2.56 2.01 -1.42 E 2.24 2.68	1.04 1.45 1.579 E 1.47 2.21	2.32 4.05 3.4017 2.07 3.47	4.47 4.96 4.26 1.1 4.25 5.52	2.53 1.56 1.57 2.89 3.08	-1 • 5 2	4.48 3.34 1.85 -2.03 2.24 2.75	3.30 5.32 4.56 5.90 3.44	• 41	3.22 7.28 4.76 3.54 4.93	<b>,</b> 41	4.62 2.41 4.91 1.8 4.32 3.29	5.45 5.03 1 3.61 4.67 5.74	•74	1 • 75 2 • 36 2 • 63 3 • 15 3 • 14	2.11 2.16 6 2.49 2.36 2.96	56	37.07 E42.48 37.62 E39.10 43.23	- 1.95
MARTINSVILLE FILT PL MATHEWS 1 SSW MEADOWS OF DAN 5 SW MENDOTA MONTEBELLO 3 NE	2.53 1.53 3.89 3.8050 2.48	1.55 1.82 1.83 3.3639	3.30 2.91 4.07 4.0762 4.21	5.13 4.94 5.83 4.73 1.2 5.64	2.67 2.02 4.08 3.27 2.63	- •63	1.95 1.46 .60 1.90 -1.70 4.34	4.42 6.59 8.88 3.19 5.04	-2.34	4478 445 10494 4479 5419	s 46	8.73 2.91 10.26 2.77 5.83	E 7.01 6.54 14.30 6 5.82 13.28	3.46	1.58 3.14 3.02 4.61 3.61	3.25 1.68 4.13 9 4.02 3.43	.56	E47.10 35.99 71.83 46.33 56.96	1.40
MONTEREY MOORES CREEK DAM MOUNT WEATHER NASSAWADOX NATURAL BRIDGE STATION	2.41 2.36 2.5019 1.50 2.22	1.36 .76 1.279' 1.97 1.21	2.62 2.71 2.70 ~ .49 3.99 3.77	E 4.29 4.02 3.77 5.20 4.16	5 • 46 2 • 26 4 • 52 4 • 93 1 • 75	•26	2.52 3.06 4.54 1.03 1.36 5.56	5.70 3.63 6.29 3.11 4.43	2 • 78	2.97 2.60 2.69 1.33 5.83	<b>-</b> 1•98	E 2.10 6.70 1.34 -2.5 4.06 6.99	5 · 11 5 · 73 2 4 · 83 6 · 21 6 · 30	1•11	3.55 2.66 2.870 2.18 2.93	3.01 1.96 2.77 2.54 2.14	•15	E41+10 38+45 40+09 34+38 E47+29	47
NELSONIA NEW CANTON NEW CASTLE NEWPORT 2 NW NEWPORT NEWS PRESS BLO	1.48 -2.37 1.37 1.75 1.49	1.34 -1.45 .99 E 1.46 1.98	3.1875 3.26 2.75 3.44	4+77 1+1 4+61 E 3+84 5+71	3 4.83 1.52 E 2.69 1.67	1.03 E	- 1.88 ~1.47 2.47 1.56 1.39	9.07 6.26 5.52 2.66 7.93	1 • 54	2.86 3.86 2.78 5.46 1.46	71	3.43 .0 4.94 4.83 4.49	3 4.23 5.10 9.95 7.49	1.35	2.91 2.811 3.17 E 2.79 2.48	2.55 8 2.52 3.13 2.78 2.77	81	40.59 38.86 E42.52 42.30	- 2.63
NORFOLK WB AIRPORT NORFOLK NORTH BRISTOL SUBSTA NORTH RIVER DAM OLINGER	1.52 -1.65 E 1.26 2.90 1.8396 4.35	1.70 3.19	3.96 .69 3.12 4.08 2.5783 5.08	5.03, 1.8 4.46 4.99 3.18 .0 4.36	1.19	-1.47	2.49 -1.67 1.66 1.71 5.16 .88 4.60	7.49 6.32 4.01 4.92 6.22	1:44	2.81 1.39 4.47 5.44 4.50	-2•27 •53	10.73 6.8 2.71 2.83 6.08 2.6 2.55	4.98 7.24		1.856 1.15 4.41 1.82 -1.1	2.33		51 • 13 E32 • 27 46 • 64 42 • 38 58 • 75	7+B7 +21
PAINTER 2 W PALMYRA 1 E PARTLOW 3 WNW PEAKS OF OTTEP PEDLAR DAM	1.91 1.57 E 2.83 2.53 2.71	1.90 494 1.40 1.58 1.39	4.10 3.18 2.25 3.34 3.70	5.35 4.14, 4.30; 4.15; 5.07	2.07 1.92 3.25 1.72 2.98		1.90 2.12 3.45 3.98 4.51	5.08 8.38 7.65 3.50 5.57		1 = 64 2 • 57 2 • 05 7 • 79 6 • 29		3.59 2.48 .85 8.58 5.05	5.70 4.73 4.75 8.21 8.88		2.56 2.38 E 2.69 3.03 2.68	2.49 2.31 3.45 3.08 3.44		38.29 36.72 E38.92 51.49 52.27	
PENNINGTON GAP PHILPOT DAM 2 PHEDMONT FIELD STATION PILOT 1 ENE POWHATAN 5 SW	4.4691 2.79 2.19 1.83 1.17	3.50 -1.10 1.32: 1.08: 1.26: 1.75	5.0256 3.61 3.05 2.52 2.70	4.52 .7 5.44 4.07 3.92 4.82	3.79 - 3.64 3.09 2.88 4.08	- •08	3.6057 1.38 3.65 1.70 2.49	4.81 3.99 4.06 7.08 9.58	- •74	4.59 2.35 4.82 3.37 3.25	•42	1.828 8.92 2.18 6.38 1.20	5 · 82 8 · 39 5 · 54 6 · 19 4 · 97	3•43	5.66 2.3 1.55 2.53 2.70 3.88	5 4.98 3.53 2.88 2.52 2.45		52.57 46.91 39.14 42.37 42.34	2 • 79
PULASKI FAA AP QUANTICO 1 S RADFORD CLAYTOR DAM RANDOLPH RAPIDAN	2.69 2.4380 2.3172 2.02 -1.81 2.42	1.07 1.4673 1.31 -1.14 2.2666 1.23		4.81 5.06 2.0 4.04 1.3 5.00 1.2 4.11	B 2.14 -	-1 • 35	1.09 4.32 1.14 1.08 -2.25 1.46 -2.25 4.40		5.29 -1.26 2.78	5 • 14 4 • 10 1 • 35 3 • 77	•40 •62 -3•47	- 4.21 1.0 4.94 2.5 3.01 -1.3 1.48	1 4.06	- •26 1•73 2•44	2.68 - 41 2.05 - 11 2.58 - 8	5 2.57			6.92 - 1.69 - 6.88
RICHMOND WB AP RIVERTON ROANOKE ROANOKE WB AIRPORT ROCKFISH	1.5885 1.58 - 1.75 2.37 -1.02 2.40	1.8789 .84 -1.00 1.03 -1.54 1.04 -1.52	2.3849	4.32 1.0 4.61 1.7 4.16: 1.1 4.27: 1.3 3.88	3.46 = 1.93 =	- 40 -2 28	3.4542 3.24 .22 4.66 .56 2.8288 4.04	12.85 5.53 4.76 2.81 6.25	7.21 2.52 .02 -2.10	5.75 3.13 5.40 4.49 5.03	•70 - •81 •33 - •05	3.303 1.12 -1.8 6.51 3.2 4.95 1.5	1 5.45 6 4.62	2.12 1.30 .58	7.64 5.1 1.27 -1.2 1.75 -1.1 1.948 2.34	5 2.50 3 2.14	-1+09 -495	51.34 35.11 41.40 37.39 47.75	8•45 •07 - 1•99 - 4•19
ROCKY KNOB ROCKY MOUNT ROSE HILL ST PAUL SALTVILLE	3.20 2.27 -1.10 5.15 - 2.63	1.29 1.68 -1.06 2.87 - 2.26	4.37 3.8105 3.90 3.39	5.05 E 4.39: 1.1 4.45: 4.37	3.14 3.83 4.30 2.85	- •42	•88 •71 ~3•37 ••00 - 5•49	2.99 6.51 4.55 - 3.89	1.91	6.91 4.30 .86 - 4.67	- •02	16.10 1.80 1.91	6.27		2.92 5.05 3.98	4.30 3.57 4.15 - 2.58	449	57.42 47.13 43.98	
SALTVILLE 1 N SMITHFIELD 3 NE SOMERSET SPEEDWELL SPRING CREEK 2	2.8997 E 1.42 2.15 2.438 2.49	2.37 -1.13 2.14 1.21 .73 2.16	3.8157 2.88 2.86 2.45 3.88	4.84 1.8 5.78 3.77 5.18 5.33	3.40 - 1.92 3.05 1.42 4.23	.83	5.30 1.47 2.31 3.93 2.10 1.80	3.68 5.42 3.61 4.08 2.96	-1+1B	4.27 3.39 4.04 2.70 3.35	06	2.324 2.36 2.60 5.35 1.94	6.14 7.63 6.18 3.73 5.13	3 . 86	4.15 2.75 2.25 1.82 3.45	4 2.78 2.42 3.06 2.45 3.13		45.95 E40.42 38.71 E34.39 39.85	3.30
STAFFORDSVILLE STATE FARM STAUNTON D AND B INST STUART STUARTS DRAFT	1.97 1.38 1.8794 2.59 1.73	.99 2.00 .71 -1.24 1.37 .40	3.25 2.67 2.4974 4.14 3.16	4.17 4.87 5.42 2.6 5.60 4.90	3.01 2.75 2.86 5.26 1.54	• •93	.95 3.14 3.5624 1.00 2.73	2 • 84 5 • 57 4 • 82 8 • 47 5 • 10	•69	4.81 3.43 3.56 10.45 2.80	- •41	4.16 3.94 2.912 9.91 3.40	5.30 6.09 5.51 6.53 6.58	2.72	3.40 4.59 1.38 -1.1 2.23 2.20	2.41 2.79 7 2.39 3.82 2.22	- +40	37.26 43.22 37.48 61.37 36.76	- •25
SUFFOLK LAKE KILBY SUNNYBANK SUSSEX SWORDS CREEK TANGIER ISLAND	1.56 1.41 E 1.82 3.21	2.33 1.83 1.99 2.79	4.14 3.03 3.22 3.71	4.96 4.41 4.46 4.39	2.14 1.77 1.14 3.39		2.03 1.50 2.73 1.97 1.87	11.61 5.49 11.73 3.31 8.56		1 • 2 3 3 • 4 5 3 • 7 7 3 • 7 7 • 2 2		1.55 1.66 1.93 3.95	12.24 5.82 4.68 6.14 6.07		2.30 5.08 3.65 4.24	3.07 2.54 E 2.21 3.10 2.31		49.16 37.99 E43.33 43.97	
TAZEMELL THE PLAINS 2 SE TIMBERVILLE 2 N TROUT DALE TYE RIVER 1 SE	2.46 2.10 1.5277 2.86 2.48	1.90 1.36	5.03 2.88 2.1791 5.21 4.08	5.59 4.89 3.93 1.31 6.92 4.76	4.19 2.07 4.27 5.34 1.54	• 52	2.49 2.94 3.4710 4.26 4.09	4.53 4.78 3.59 6.16 6.20	- •66	3:95 1:31 4:72 2:34 5:04	<b>.</b> 63	2:97 1:01 4:97 1:6 7:29 4:80	6.03 4.27 3.44 4.71 4.94	•75	3.79 2.58 1.31 -1.0 3.53 2.72	3.63 2.33 2.35 5.69 3.37	•08	46.95 32.13 36.42 56.21 45.38	•13
URBANNA VIENNA DUNN LORING WALKERTON WALLACE WALLACETON LK DRUMMOND	1.88 2.42 1.31 2.75 2.29 ~1.37	1.85 1.54 1.96 2.74 2.7082	3.30 2.51 3.33 3.82 4.35 .38	4.09 4.57 4.95 4.82 4.68	2.26 2.55 2.73 2.18 2.26	·1•75	3.79 3.57 1.64 2.03 5.32 .76	8.24 3.85 10.97 3.16 6.71	- •39	2:02 3:77 4:14 2:98 1:87	-4:17	4.17 2.96 1.46 2.74 3.666	3 · 82 3 · 83 5 · 65 6 · 97 9 · 92	7+28	5.55 2.72 8.43 4.45 2.18 -1.3	1	•17	43.35 36.52 49.39 42.30 49.34	- 1.03
WARRENTON 5 NE WARSAW 2 N WASHINGTON WASHINGTON WB NAT AP WATERFORD	2.46 1.22 1.28 2.21 -1.03 1.75	1 • 67 1 • 57 • 85 1 • 51 ~ • 93 1 • 47	2.62 2.79 2.47 2.2083 2.07	4.70 3.92 4.12 4.01 2.92	3.03	1.09	2.50 1.10 4.94 5.35 4.39	6:41 12:21 7:25 4:38 3:39	•12	2:03 1:93 4:21 2:87 3:06	-1.88	1.68 2.29 3.03 2.05 -2.0	E 4+64	- •42	2.29 7.50 1.64 2.225 2.35	2.52	<b>6</b> 5	36.17 43.33 41.80 35.38 E32.24	- 5•10
WAVERLY HILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE	3.01 1.62 1.66 1.6085 3.16	1.74 1.92 1.79 1.2572 2.68	2.59 2.90 3.48 1.91 -1.32 4.36	4.42 4.16 5.03 4.14 4.91	4488	2.12	5 • 18 2 • 30 1 • 49 3 • 93 3 • 07	4 . 00	3 • 64	3.61	-1.43	2 • 1 4 1 • 39 • 98 2 • 21 - • 8 2 • 88	4.74	2.00	2.42 5.47 4.75 1.27 -1.5 4.71	3.59		46.59	- 1.63
WOODSTOCK WOOLWINE 4 S WYTHEVILLE	1 • 34 -1 • 00 3 • 51 2 • 28 - • 54	.8777 1.48 1.16 -1.29	2.0096 4.49 3.1524	3.58 .83 6.41 4.61 1.90	3 • 63		3.93 .07 .63 1.75 -1.45	6.17	- •07 -1•51	1.95 3.42 4.85	-2:56 :73	2.07 ~ .76 13.56 4.52 1.86	9.04	3.48 2.68	1.369 2.63 2.002	3 . 83	-	58.80 38.02	1.90
DIVISIONAL AVERAGES																			
TIDEMATER EASTERN PIEDMONT WESTERN PEIDMONT NORTHERN CENTRAL MOUNTAIN SOUTHWESTERN MOUNTAIN	1.69 -1.79 1.85 -1.86 2.16 -1.44 2.1177 1.87 -1.15 2.71 -1.00	1.74 -1.04 1.54 -1.31 1.3290 .98 -1.44	2.8596 3.2181 2.4992 3.0849	4.77 1.57 4.57 1.07 4.90 1.35 4.15 .85 4.37 1.42 4.89 1.64	2.78 - 2.34 - 2.87 - 3.49 -	1.72 1.44 .40	2,24 -1,37 2,27 -1,50 2,61 -1,70 4,47 80 3,33 - ,64 2,14 -1,94	8:10 5:37 4:86 5:02	3 · 37 2 · 96 · 41 · 71 · 57	2.32 3.23 4.84 3.07 4.16	-1.58 .09 -1.69	3.3054 2.50 -1.00 5.53 1.7 2.8944 4.97 1.83	4.69 6.09 5.02 6.04	3.95 1.94 3.06 1.57 3.08	3.57 .5 4.48 1.5 2.217 2.118 2.294	2.75 9 3.12 8 2.92 7 2.56	37	43.07 41.81 43.92 58.28 42.16	- 1.75 - 1.41 - 3.05 1.38
SSSTIMESTERN MODITALIN	20,1 -100	1400 -1143	3.03	1.07 1.64	2033	••0	2019 -1079	3.10	-1.20	4.04	•23	2001 300	>+21	2475	3,31 .6	,,12	50	44.51	•94

	Table 3			11			11 L	חתכ	Ŀ	X1D.		VIE:	) <i>I</i>	-71/IT		rnı	<u>-</u> -	ᄯ	וע		•			_					,1	959
•								Las	t spri	ng minin	num	of						Fi	rst fa	ll minir	num	oí						er of		
	Station					16° c belo		20° or belov		24° or below		28° or below		32° or below		32° or belov	7	28° c belov		24° o belov		20° o: belov		16° c	w	below	below	below	helow	below
		Higher	Date	Lowes	Date	Date	Temp.		Temp.	Date			Temp		Temp.	Date	Temp.	Date	Temp.		Temp		Temp.	Date	Temp.	16° or	20° or	24° or	28° or	32.01
	ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS ASHLAND 1 SW BACK BAY WILDLIFE RFG BALCONY FALLS	101 99 100 94 99	6-30 6-30 6-30+ 8-22 6-30	2 8 - 15 4	1-19+ 1-17 1- 6 1-18	2-22 2-21 NON E 1- 6 2-20	15	3-20 2-21 3-23 2-21 3-19	15 19 18	3-19 2 3-23 1	19 18	3-29 3-29 3-13		3-19	30	10-29 11- 3 10-26 11-18 11- 3	32 29	11-3 11-19	28	NONE	19	NONE	19	12-23 NONE 11-18 NONE 12-14	13	-	270	234 244 225 - 224	234 219 251	219 202
	BEDFORD BERRYVILLE BIG MEADOWS BLACKSBURG 2 BLACKSTOME FAA AIRPORT	100 99 87 96 100	6-29+ 6-30 6-30 8-27 6-30+	-10 - 7 - 1 6	1- 6+ 1-18 1- 5 1- 5 1-18	2-20 3-29 3-29 2-21 2-21	15 16 11	3-23 3-29 4-13 3-19 2-21	20 19	3-29 1	22 15 21 24 23	4- 5	21	4- 5 4-24 5-15 4-14 3-29	32 32 30	9-19	32 32 27	10-29 11- 3 11- 3	24 21 27	10-29 11- 3 11- 8	24 21 19	11-18 11- 8 11- 8 11- 8 11-18	20 18 19	11-18 11-18 11-18	15 5	234 234 270	224 209 234	203	207 203 212	148 126 203
	BOYKINS BRISTOL BUCHMAN BURKES GARDEN CAPE HENRY WB CITY	102 97 100 88 94	6-30 7- 1 6-29 7- 1 8-16+	10 0 1 - 8 17	1-18 1-18 1-18 1- 5 1-17+	2-21 2-21 2-21 3-23 NON E	11 12 13	2-21 3-18 3-19 3-28 2-21	20 17 20	3-29 2 3-19 2 3-29 2 3-28 2 2-21 2	22	3-29 3-28 3-29 5-17 2-22	22	4-15 4-15 5-17 3-19	32   32   28   30	11- 3 10-19 10-16 11-18	28 31 32 29	11- 3 11- 3 11- 3 NONE	28 26 19	11- 8 11- 3 NONE	23 22 19	11-18 11- 3 NONE	20 19	12-23 11- 8 NONE	14	305	244	234 224	219 170	202 187
	CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W CHARLOTTESVILLE 1 W CHASE CITY	93 101 99 102 103	8-23+ 7- 1 7- 1 6-30 6-30	1 4 5 5	1-17+ 1-18 1- 6 1-18+ 1-18	2-21 2-21 2-20 2-21 2-21	15 15 16	3-18 2-23 2-21 3-19 2-21	19 17 19	3-29 2 3- 8 2 2-25 2 3-29 2 2-25 2	23 24 23 24	3-29 3-29 3-29 3-29 3-29	25 26 23	4-13	32	11- 3 10-28 11- 3 11- 3 11- 3	28	11- 3	28	11-18	22	12-20	20	HONE	15	-	268 270 276	224 255 266 234 266	219 224 219	197 203 204
:	CHATHAM 2 NE CHERITON CHILMONIE 1 S COLUMBIA CORBIN	100 98 92 99 99	7- 1 6-30 7- 2 6-30 8-23+	13 - 3 - 2 - 3	1-18 1- 6 1-18+ 1-18 1-18	1-19 2-21 3-19 3-19 2-21	16 15 16	2-21 2-21 3-23 3-29 3-29	16 18 18	3-29 2 2-22 2 3-23 1 3-29 1 3-30 2	24 18 18	3-29 3-29 4-24 3-29 3-30	28 28 18	5-15 4-14 4- 7	28 32 32	11-18 10-16 10-28 10-29	26 32 32	11-18 10-19 11- 3	26 24 25	11-19 10-19 11- 9	23 24 23	MONE 11-9 11-18	18	12-23	12	279	231 234	234 270 210 225 224	234 178 219	234 154 197
ŧ	CROZET 2 N CULPEPER DAHLGREN WEAPONS LAB DALE ENTERPRISE DANVILLE	101 99 101 96 103	6-30 6-30 6-29 8-22 6-30	- 4 - 4 - 4	1-18+ 1-18 1-18 1-18 1-18	2-20 2-22 2-20 2-25 1-19	12 15 14 12	3-23 3-23 2-21 3-29 3-19	19 17 17 20	3-23 1 2-22 2 3-29 1 3-29 2	22 17 24	4-14 3-29	26 27 25 24	4=13 3=29 4-24 4- 5	32 31 32 31	11- 3 10-29 - 10-28 11- 3	31 32 30	11- 3 11- 3 11- 9	27 23 27	11- 9 11- 3 11-18	24 23 22	11-20 - 11- 8 12-23	20	12-20 - 11-18 NONE	12	301 266	242 224 279	231 219 234	219 203 225	
	DANVILLE FAA AIRPORT DENDRON 1 SW DIAMOND SPRINGS ELKWOOD 6 SE FALLS CHURCH 2 SW	96 101 98	6-30+ 8-22+ 8-21 6-30	15 - 7 - 3	1-18 1- 6 1-18 1-18	1-19 1-18 3-19 2-25	16 14 16	2-21 2-21 3-29 3-29	19 17 19	2-21 3-29 3-29	22 19 17 19	3-19 4- 5 4- 7	26 28 28 28	3-19 4-14 4-14	28 32 32	11-3 11-18 10-16 10-29	27 32 29	11-18 10-29 11- 3	27 28 25	- MONE 11- 9 11- 9	22 24	11-18	19	12-23	15 15	301	234	225 225	244 207 210	198
:	FARMYILLE FLOYD 1 NE FORT LEE FREDERICKSBURG GALAX RADIO WBOB	103 94 102 102 93	6-29 6-30 6-29 8-23+ 6-30	- 2	1-18 1-18+ 1-18 1-18 1-18	3-29 3-23 2-21 2-22 3-19	15 12 15 14	3-29 3-29 2-21 3-29 3-23	20 12 20 17	4- 5 2 3-29 2 3-29 2 3-29 2	16 23 23 20 20	4-24 3-29 3-29 4- 5	23 20 25	5-17 4- 5 4-13 5-16	32 32 32 30	10-16 10-17 11- 3 10-16 10-20	31 31 32 31	11-3 11-10 11-3 11-3	24 28 28 23	11-3 11-18 11-18 11-3	24 23 21 23	11-8 11-30 11-30 11-8	16 20 20 16	11- 8 NONE 12-23 11- 8	16 16 16	230 304	224 282 246 230	212 234 234 219	193 226 219 212	153 212 186 157
	GLER LYN GORDOMSYILLE FAA AP MALIFAX 5 ENE MOG ISL LTL MACHIPONGO HOLLAND 1 E	99 99 103 100	6-29 6-29 6-30	- 1 - 7 - 7 - 8	1-19 1-18 1-18	3-19 3-23 2-21 2-21	15	3-23 3-29 2-21 2-21	17 15 15	3-19	22 17 24 24	3-29 3-29 3-29	24	4-24 4-24 4-14 	32 31 32	10-16 11- 3 11-17 11-10	32 28 32 32	11-3 11-3 11-19 11-18	25 28 25 23	11-9 11-18 11-20 11-18	21 18 22 23	NONE NONE	20	12-23 12-23 NONE NONE	10 16	275 305	230 234 270	225 244  234	219 219 - 234	203 210
	MOPENELL MOT SPRINGS JOHN H KERR DAM LANGLEY AIR FORCE BASE LAWRENCEVILLE	100 93 101 96 103	6-29 6-30 7- 1+ 8-22+ 6-30+	13	1-18+ 1- 6 1-18 1- 6 1-18	2-21 3-23 2-21 1-18 3-19	16 14 15 16	3-19 3-23 3-19 2-21 3-29	16 19 20 19	3-29 3-29 2-21 3-29	24 22 21 20 19	3-29	26 21 26 19	5-17 4- 5 3-18 4-15	32 31 31 32	11- 9 10-19 10-28 11-18 11- 3	30 32 25 27	11-3 11-3 11-18 11-3	28 25 25 27	11- 8 11-18 NONE 11-18	18 18 23	11-18 NONE 12-11	20	NONE NONE	12	240	244 257	224 234 - 234	219 269 219	155 206 245 202
:	LEXINGTON LINCOLN LOUISA LURAY 5 E LYNCHBURG WB AIRPORT	100 99 99 97 98	8-264 6-29	- 7 6	1-18 1-18 1-18 1-18 1- 6	1-19	13 16 16 14	2-21	20 18 19 17	3-28 2 3-29 1 3-29 1 3-19 2	18 19 24	3-29 3-29 4- 5 3-29	18 28 27	4-14	30 31 31 32	10-29 10-28 10-29 11- 3	30 32 29 30	11- 8 11- 3 11- 3 11- 8	25 24 23 28	11-18 11- 3 11- 3 11-18	17 24 23 21	11-18 11- 8 12-23	17 20 20 17	12-23 12-23 11-18 NONE	13 11 16	305 301 240	234 224 305	235 219 219 244	224 219 212 224	198 198 188 203
	MANASSAS MARTINSVILLE FILT PL MATHEWS 1 SSW MONTEREY MOUNT WEATHER	100 100 98 89 95	6-29 8-27+ 6-30	- 6 2		3-18	14 10 15 3 13	3-29 3-28	18 20 15 20	3-29 1 3-23 2 4-24 2 3-29 3	23 22 22	4- 7 3-29 4-24 4-13	25 22 25	4- 7 5-16 4-14	32 31 32 29	10-29 11- 3 11- 3 10-13 10-19	25 29 30 31	11-3 11-18 10-19 11-3	25 22 27 28	11-8 11-18 10-29 11-8	22 22 24 24	11-19 11- 3 11-18	20 20 17 11	11-18 NONE	16 14 11	244	225	224 240 188 224	210 234 178 204	172 210 150 188
	NASSAWADOX NELSONIA NEW CANTON NEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT	100 101 98	6-29 6-29 6-29	12 - 5 10 14	2-21+ 1-18 1-18 1- 6	1- 6	16 10 5 14	2-21	16 20 20	3-29 2-21 2-21	- 1	3-29 4- 7 2-21 2-22	28 20 28		31 32 30	11-18 11-18	30 25 27	11-18 11-3 11-18 11-18	24 25 25 27	11-18 11- 9 NONE NONE	24 23	12-23 11-20 NONE NONE	19 20	NONE	16	266	236	-		179 234
:	NORFOLK PAINTER 2 W PARTLOW 3 WNW PEAKS OF OTTER PEAKS OTTER PE	101 97 100 90 91	6-30 8-224 8-214	- 4 - 3 - 2	1- 6+ 1-19 1-18 1- 5 1-18	2-21 3-19	1 12 1 15 1 11 9 16		20 15 18 20	3-23 3-29 4-13 3-23	20 24 15 24 20	3-29 4-24 4-14 4-15	27 26 28	3-29 4-25 4-14 4-24	27 31 26 30	11-18 11-10 10-16 10-26 10-19	31 31 32 29	11-18 10-29 11- 3 11- 3	27 28 25 25	11-19 11- 9 11- 8 11- 8	21 20 21 17	NONE 11-9 11-18 11-8	20 11 17	NONE 12-20 11-18 11-18	14 11 14	270 244	245 230	230	234 188 203 202	226 174 195 178
	PHILPOT DAM 2 PIEDMONT FIELD STATION POWHATAN 5 SW PULASKI FAA AP QUANTICO 1 S RICHMOND WB AP	98 106 100 99	6-30 6-30	- 4 - 4	1-19 1-18 1-18 1-18	2-21 3-19 2-21 2-21	1 16 1 12 9 15 1 15 1 15	3-23 3-29 3-23	20 18 20 15	3-29 3-29 3-29 3-29	24 18 22 24	3-30 3-29 4- 5 4- 5 3-29	24 28 28 24	4-14 4- 7 4-14 3-29	32 29 30 24	10~28 10~16 11~ 3	32 32 31	11-3	25 25 26	11-18 11- 9 11-18	19 23 22	11-18 11-18	19 19 19	12-23 12-20 NONE	13 16	305	240 234 	234 225 - 234	219 212	197 192 - 219
	ROANOKE ROANOKE WB AIRPORT ROCKY KNOB ROCKY MOUNT	100 99 100 95	6-30 6-30	8 6 3	1-18 1- 6+ 1- 6+ 1- 5 1-18	2-20 3-10	1 13 0 15 0 15 8 11 8 15	2-20 6-21 3-18	15 20 11	3-19 3-19 3-29 3-23	64 24	3-29 3-29 4-15 4- 7	26 26 28	4- 5 4-14 4-15	32 32 28	11- 3 11- 3 10-26 12- 1	30 30 32	11- 8 11- 8 11- 3	25 26 28	11-18 11-17 11- 7	21 23 24	12-23 11-18 11-18	19 20 11	NONE NONE 11-18	11	245	306 242 245	244 243	224 224 202	212 203 194
	ST PAUL SALTVILLE 1 N STAUNTON D AND B INST STUART STUART SUFFOLK LAKE KILBY	96 99 95 100	7- 1 6-30- 6-29	10	1- 6 1-18 1- 6 1-18	2-21 2-21 2-21	2 16 1 13 1 14 1 15	3-29 2-21	20 20 15	3-23 3-29 3-29 3-19	22 20 22	3-28 4-14 3-29 3-29	28 20 25	4-15 4-14 3-29	32 32 25	11-3 10-20 11-3 11-18	32 27 24	11- 3 11- 3 11-15	26 27 24	11- 8 11- 9 11-18	22 24 24	11-18 11-18 NONE	17 18	12-23 12-23 NONE	14	305	240	224 225 244	203 219 234	188 203 234
	SUNNYBANK SUSSEX TANGIER ISLAND TIMBERVILLE 2 N URBANNA	98 100 98 96 100	6-30 6-30 6-30	- 9	1- 6	2-21 3-21 2-21	1 12 9 14 1 12	3-29 2-21	20 14 12	3-29 3-29 3-19	14	3-29 4- 5 3-29	27 27	4- 5 4-24 3-29	30 31 27	11-18 10-29 11- 3	26 26 30	11-18 10-29 11-18	26 26 19	NONE 11-3 11-18	21 19	NONE 11-8 11-18	18 19	NONE	16	-	270	219 244	i i	188 219
	WALKERTOM WARRENTOM 5 NE WARSAW 2 N WASHINGTOM WASHINGTOM WB NAT AP	101 98 105 100	7- 1- 6-30 7- 1	- 2	1-19+	2-2	1 7 1 11 1 11 9 15 0 13	2-23 3-29	20 19 15	3-29 3-19 3-29	22	3-29 4-13 3-29 4- 7 3-22	25	4-24	31	10-29 11- 3 10-29 10-28 11- 8	31	11-18	20	11-18	20	11-18	20	11-19	16	235	268	224	234	207 187

Table 4

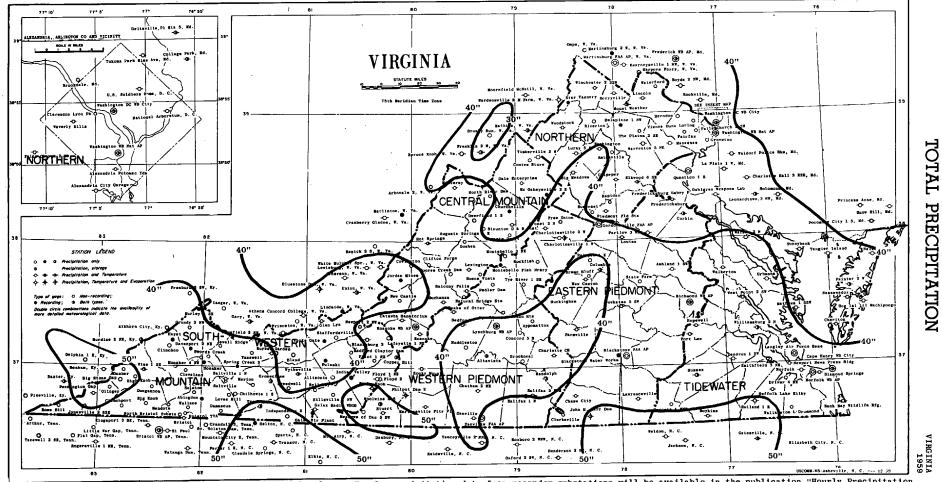
•							Las	t spr	ing min	imu	m of						F	irst fa	all mini	num	of						ber of		
Station					16° c		20° o belov		24° o belov		28° c		32° o belov		32° o belov		28° c		24° c		20° o belov		16° d belo		wolew	elow	wole	wole	1
•	Highest	Date	Lowest	Date	Date	Temp.	Date	Temp.	Date	Temp.	Date	Тетр.	Date	Temp.	Date	Тетр.	Date	Тетр.	Date	Temp.	Date	Temp.	Date	Temp.	16° or b	20° or b	24° or b	28° or b	
WAVERLY HILLS WEST POINT 2 SW WILLIAMSBURG 2 N WINCHESTER 2 SSW WISE 1 SE	100 103 103 100 88	6-30 6-29 6-30 6-30 8-24+	7 7 8 - 2	1-18+ 1-18 1-18+ 1-18 1-18+	2-21 2-21 2-21 2-21 3-18	12 11 13	2-21 2-22 3-19 3-29 3-23	20 20 20	3-23 3-29 3-29	23 23 20	3-29 3-29 3-29	25 23 20	3-29 4- 5 4-14	25 31 32	11- 3 11- 9 11-10 10-29 10-19	32 31 27	11-18 11-18 10-29	21 22 27	11-18 11-18 11- 9	21 22 23	12-20 12-23 11-18	19 20 15	NONE NONE 11-18	16	305 - 270	301 279 234	240 234 225	234 234 214	4 2
WOODSTOCK WYTHEVILLE	99 92	8-26+ 6-30	- 6 0	1-18 1-18+	3-29 2-21		3~29 3-23								10-13 10-20														

## TOTAL EVAPORATION AND WIND MOVEMENT

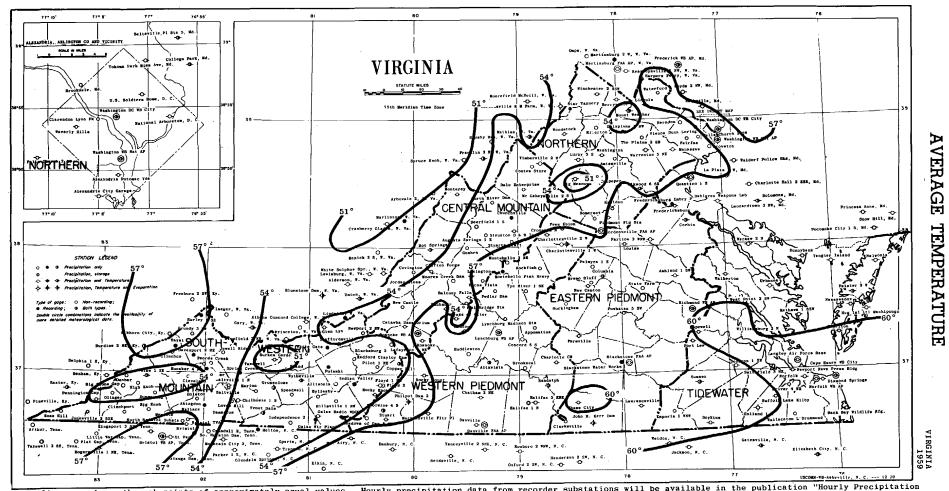
Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec	Annual
CHARLOTTESVILLE 1 W	EVAP	<u>:</u>	١ _	-	B4.77	5.91	в8.08	B5.69	B6.41	4.12	2.89		-	-
	DEP	-	-	-		-	-	_	-	-	-	-	-	-
	WIND	-		-	B1189	881	754	674	576	569	748	_	-	1 -
	MAX	-		-	75.4	-		-	94.4	88.1	73.0	_	_	i -
	MIN	-	-	-	51.7	-	-	-	72.5	64.9	54.7	_		] -
HOLLAND 1 E	EVAP	-	-	-	B6.32	8.18	7.75	B6,11	6.52	4.57	3.06	-	-	l
	DEP	-	-	-	1 -	_	_	l -	-	-	- 1	-	-	l –
	WIND	· -	i -	· -	B2562	1844	882	833	628	751	1222	-		-
JOHN H. KERR DAM	EVAP	_	_	_	B4.68	B6,27	8.06	B6.84	B5,99	B4,13		-	_	1 - 1
	DEP	_	-	-			_	_		_	- 1	-	-	
	WIND	-	-	-	B1782	1358	1097	1295	1066	801	-	-	-	-
PHILPOT DAM 2	EVAP	-	_	_	B5.28	B5.04	5.99	B5.23	B5,69	B3.91	B2.65	-	_	l -
	DEP	_	l -	-	-	-	_		-	_	-	_	_	- '
	WIND	-	l –		1500	919	616	709	592	429	730	-	_	l -

#### CHANGES IN STATION NAMES

NEW NAME	OLD NAME	DATE
AUGUSTA SPGS 1 NE DAHLGREN WEAPONS LAB DENDRON 1 SW NEWPORT NEWS PRESS BLDG PILOT 1 ENE	AUGUSTA SPGS DAHLGREN PROV GROUND DENDRON 1 NW NEWPORT NEWS PILOT 1 NE	December 1959 September 1959 March 1959 May 1959 November 1959
	RELOCATION AND CHANGES OF EQUIPMENT	
AUGUSTA SPGS 1 NE BIG MEADOWS DALE ENTERPRISE DENDRON 1 SW PAINTER 2 W	All equipment moved 0.8 mile WSW All equipment moved 400 feet SW All equipment moved 800 feet ENE All equipment moved 1.2 miles S Recording rain gage equipment added	December 16, 1959 November 1, 1959 September 8, 1959 March 12, 1959 February 13, 1959
PILOT 1 ENE PULASKI FAA AP	All equipment moved 0.2 mile NW All equipment moved to Bluefield,	November 12, 1959
TANGIER ISLAND WEST POINT 2 SW	West Virginia All equipment moved 0.5 mile NNE All equipment moved 0.6 mile SW	August 24, 1959 June 1, 1959 December 10, 1959



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.



Isolines are drawn through points of approximately equal values. Hourly precipitation data from recorder substations will be available in the publication "Hourly Precipitation Data". Caution advised in using these maps for interpolation, particularly in mountainous areas.

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Station	о М Соunty	ion lon	Years of record or closed during yr. Refe to table	Station	oN County	Drainage f Latitude Longitude	A Cars of tectors of t
ABINGDON ALEXANDRIA CITY GARAGE ALEXANDRIA POTOMAC YDS ALLISONIA ALITAVISTA	0013 WASHINGTON 0090 0097 0195 PULASKI 0166 CAMPBELL	8 36 42 82 00 2000 13 38 48 77 05 60	2 18 2 2 2 22 22 1 2 3 2 2 2 2 2 2 2 3 2 3	INDIAN VALLEY JEWELL RIDGE JOHN H KERR DAM JONESVILLE 2 SSE JORDAN MINES	4404 TAZEWELL	6 37 11 81 47 15 36 36 78 17 6 36 40 83 06	2700 2750 225 323 11 11 8 1 2 3 1375 1350
AMISSVILLE APPOMATTOX ASHLAND 1 SW AUGUSTA SPRINGS 1 NE BACK BAY WILDLIFE RFG	0193 RAPPAHANNOCK 0243 APPOMATTOX 0327 HANOVER 0356 AUGUSTA 0385 PRINCESS ANNE	14 38 41 78 01 550 9 37 21 78 50 825 9 37 45 77 29 220 9 38 07 79 18 1700 2 36 40 75 55 5	16 21 2 2 3 7 7 1 2 3 7 7 1 2 3 3	LAFAYETTE 1 NE LANGLEY AIR FORCE BASE LANRENCEVILLE LEXINGTON LINCOLN	4720 ELIZABETH CTY 4768 BRUNSWICK 4876 ROCKBRIDGE	15 37 14 80 13 5 37 05 76 21 10 36 46 77 51 9 37 47 79 26 13 39 07 77 43	1280 9 2 10 74 123 1 2 3 254 14 14 1 2 3 1060 81 88 1 2 3 500 58 59 1 2 3
BALCONY FALLS BEDFORD BERRYVILLE BIG KNOB BIG MEADOWS	0411 ROCKBRIDGE - 0551 BEDFORD 0670 CLARKE 0712 SCOTT 0720 PAGE	15 37 21 79 31 975 16 39 09 77 59 580 8 36 40 82 30 3150	12 28 1 2 3 31 45 1 2 3 8 18 1 2 3 24 24 1 2 3	LOUISA LOVES MILL LURAY 5 E LYNCHBURG MADISON HTS LYNCHBURG WB AIRPORT	5050 LOUISA 5057 WASHINGTON 5096 PAGE 5115 AMHERST 5120 CAMPBELL	17 38 02 78 00 8 36 45 81 41 16 38 41 78 23 9 37 25 79 08 9 37 20 79 12	437 44 44 1 2 2 2 2 1 120 18 18 18 1 2 2 9 9 4 7 8 8 8 1 2 2 3
BIG STONE GAP BLACKSBURG 2 BLACKSTONE FAA AP BLACKSTONE WATER WORKS BLAND	0733 WISE 0766 MONTGOMERY 0773 NOTTOWAY 0778 NOTTOWAY 0792 BLAND	6 36 52 82 46 1485 11 37 14 80 25 2040 12 37 04 77 57 435 12 37 05 78 01 423 11 37 06 81 07 2000	8 8 8 14 14 12 3 1 2 3 2	MANASSAS MARION MARTINSVILLE FILT PL MATHEMS 1 SSM MC GAHEYSVILLE 2 S	5266 SMYTH 5300 HENRY 5338 MATHEWS	13 38 45 77 28 8 36 51 81 31 7 36 42 79 53 5 37 25 76 20 16 38 21 78 44	31B 12 43 2200 53 2 2 2 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10
BOWLING GREEN BOYKINS BREMO BLUFF BRISTOL BRISTOL TVA	0937 CAROLINE 0956 SOUTHAMPTON 0993 FLUVANNA 1037 WASHINGTON 1047 WASHINGTON	17 38 03 77 21 225 10 36 35 77 12 40 9 37 42 78 18 225 8 36 36 82 10 1998 8 36 37 82 10 1920	9 9 1 2 3 1 2 3 2 2 1 2 3 2 3 2 3 2 3 2 3 2	MEADONS OF DAN 5 SW MENDOTA MONTEBELLO 3 NE MONTEBELLO FISH NURSERY MONTEREY	5453 PATRICK 5501 WASHINGTON 5685 NELSON 5690 NELSON 5698 HIGHLAND	7 36 40 80 27 8 36 42 82 18 9 37 53 79 06 9 37 51 79 06 13 38 25 79 35	1500 10 2 1350 52 2 2450 22 2 1960 2910 18 34 1 2 3
BROOKNEAL BUCHANAN BUCKINGHAM BUENA VISTA BURKES GARDEN	1082 CAMPBELL 1121 BOTETOURT 1136 BUCKINGHAM 1159 ROCKBRIDGE 1209 TAZEWELL	15 37 03 78 57 500 9 37 32 79 41 875 9 37 33 78 33 485 9 37 44 79 21 835 11 37 05 81 20 3300	10 2 1 2 3 2 2 2 2 2 2 2 2 2 2 3 2 3 2 3 2	MOORES CREEK DAM MOUNT WEATHER NASSAWADOX NATURAL BRIDGE STATION NELSONIA	5729 ROCKBRIDGE 5851 LOUDOUN 5931 NORTHAMPTON 5941 ROCKBRIDGE 5983 ACCOMACK	9 37 45 79 38 13 39 04 77 53 2 37 28 75 52 9 37 35 79 30 2 37 49 75 35	1600 24 2 1723 55 56 12 12 3 35 3 3 2 12 2 47 1 1 JUNE 1 2 3
BYLLESBY CAPE HENRY WB CITY CATAWBA SANATORIUM CHARLOTTE COURT HOUSE CHARLOTTESVILLE 2 W	1255 CARROLL 1362 PRINCESS ANNE 1471 ROANOKE 1585 CHARLOTTE 1593 ALBEMARLE	9 37 23 80 05 1890 15 37 03 78 38 560	85 85 1 2 3 48 48 1 2 3 1 2 3 56 83 1 2 3	NEW CANTON NEW CASTLE NEWPORT 2 MW WNEWPORT NEWS PRESS BLDG NORFOLK WB AIRPORT	6004 BUCKINGHAM 6012 CRAIG 6046 GILES 6054 6139 PRINCESS ANNE	9 37 42 76 18 9 37 30 80 06 9 37 19 80 31 9 36 59 76 26 5 36 53 76 12	300 64 66 122 2 1325 22 2 1900 14 2 25 38 38 1 2 2 26 14 14 1 2
CHARLOTTESVILLE 1 W CHASE CITY CHATHAM 2 NE CHATHAM 2 N CHERITON	1598 ALBEMARLE 1606 MECKLENBURG 1614 PITTSYLVANIA 1619 PITTSYLVANIA NORTHAMPTON	7 36 51 79 24 845	9 12 12 3 36 36 12 1 2 3 23 32 1 2 3	NORFOLK NORTH BRISTOL SUBSTA NORTH RIVER DAM OLINGER PAINTER 2 W	6144 6169 MASHINGTON 6199 AUGUSTA 6345 LEE 6475 ACCOMAC	5 36 52 76 17 8 36 37 82 11 16 38 22 79 16 6 36 49 82 52 5 37 35 75 49	11 89 89 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
CHILHOWIE 1 S CHINCOTEAGUE NAS CHURCHVILLE CLARENDON LYON PARK CLARKSVILLE	1675 SMYTH 1683 ACCOMAC 1708 AUGUSTA 1729 ARLINGTON MECKLENBURG	8 36 47 81 41 2000 2 37 56 75 28 40 16 38 14 79 10 1475 13 38 54 77 05 225 15 36 38 78 33 325	8 8 FEB 1 2 3	PALMYRA 1 E PARTLOW 3 WNW PEAKS OF OTTER PEDLAR DAM PENNINGTON GAP	6491 FLUVANNA 6533 SPOTSYLVANIA 6573 BOTETOURT 6593 AMHERST 6626 LEE	9 37 52 78 15 17 38 03 77 42 15 37 28 79 36 9 37 40 79 17 6 36 45 83 03	410 3 3 1 2 2 2 1 2 1 2 1 1 2 1 1 2 1 2 1 2
CLEVELAND CLIFTON FORGE CLINCHCO CLINCHPORT COLUMBIA	1776 RUSSELL 1801 ALLEGANY 1808 DICKENSON 1816 SCOTT 1929 GOOCHLAND	6 36 57 82 09 1540 9 37 49 79 50 1055 3 37 10 82 19 1530 6 36 40 82 45 1260 9 37 46 78 09 300	26 2 2 2 9 64 57 61 1 2 3	PHILPOT DAM 2 PIEDMONT FIELD STATION PILOT 1 EME POWHATAN 5 SW PULASKI	6906 AMELIA 6955 PULASKI	7 36 47 80 02 17 38 13 78 06 11 37 04 80 21 9 37 29 77 58 11 37 02 80 47	1123 7 7 7 1 1 2 2 500 12 13 2 12 2 12 8 2 10 10 10 1850
CONCORD 5 S COOTES STORE COPPER HILL CORBIN COVINGTON	1955 CAMPBELL 1986 ROCKINGHAM 1999 FLOYD 2009 CAROLINE 2041 ALLEGHANY	15 37 17 78 58 650 16 38 38 78 51 1070 11 37 06 80 97 2770 14 38 12 77 22 220 9 37 48 80 00 1245	10 17 19 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PULASKI FAA AP QUANTICO 1 S RADFORD CLAYTOR DAM RANDOLPH RAPIDAN	7004 PHILLIAM 7004 PHILASKI 7025 CHARLOTTE 7033 ORANGE	11 37 05 80 47 13 38 30 77 19 13 37 05 80 35 15 36 54 78 43 14 38 18 78 04	2109 21 21 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1
CROZET 2 N CULPEPER DAHLGREN WEAPONS LAB DALE ENTERPRISE DAMASCUS	2138 ALBERMARLE 2155 CULPEPER 2195 KING GEORGE 2208 ROCKINGHAM 2216 WASHINGTON	9 38 05 78 42 760 14 38 29 77 59 475 13 38 20 77 02 18 16 38 27 78 56 1400 8 36 38 81 48 1950	17 17 50 52 1 2 3 40 40 77 79 33 NOV 1 2 3 1 2 3 2 2	RICHMOND WB AP RIVERTON ROANOKE #ROANOKE WB AIRPORT ROCKFISH	7201 HENRICO 7254 WARREN 7275 ROANOKE 7285 ROANOKE 7312 NELSON	9 37 30 77 20 16 38 56 78 12 15 37 16 79 56 15 37 19 79 58 9 37 48 78 45	162 22 28 28 907 52 65 1 2 1 2 1 2 445 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
DANTE DANVILLE MOANVILLE FAA AP DAVENPORT 2 NE DEERFIELD 1 S	2237 RUSSELL 2245 PITTSYLVANIA 2250 PITTSYLVANIA 2269 BUCHANAN 2315 AUGUSTA	6 36 59 82 18 1765 7 36 36 79 23 565 7 36 34 79 20 577 3 37 07 82 06 1600 9 38 10 79 22 1720	40 41 JAN 1 2 3 1 2 3 1 6 16 16 1 2 3 2 2	ROCKY KNOB ROCKY MOUNT ROSE HILL ST PAUL SALTVILLE	7330 FLOYD 7336 FRANKLIM 7372 LEE 7492 WISE 7501 SMYTH	11 36 51 80 22 15 37 00 79 54 6 36 40 83 22 6 36 54 82 19 8 36 53 81 46	3075 18 18 18 1 1 2 1 2 1 1 3 1 4 7 5 6 6 6 6 1 1 7 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5
DELAPLANE 1 NW DENDRON 1 SW DIAMOND SPRINGS DRIVER 4 NE DUNBAR	2326 FAUGUIER 2346 SURRY 2368 PRINCESS ANNE 2504 NANSEMOND 2538 WISE	2 36 53 76 29 17 6 36 58 82 45 1950	1 1 1 1 2 3 1 2 3 2 2	C SALTVILLE 1 N SEXTON SHELTER SMITHFIELD 3 NE SOMERSET SPEEDWELL	7506 SMYTH 7666 MADISON 7864 ISLE OF WIGHT 7904 ORANGE 7971 WYTHE	8 36 53 81 46 14 38 37 78 21 9 37 01 76 37 14 38 14 78 15 11 36 49 81 10	1735 41 43 250 37 18 390 11 2340 19 22
DUNGANNON ELKWOOD 6 SE EMPORIA 1 WNW FAIRFAX FALLS CHURCH 2 SW	2548 SCOTT 2729 CULPEPER 2790 GREENSVILLE 2890 FAIRFAX 2922 FAIRFAX		25 19 19 29 1 2 3 29 11 11 11 1 2 3	STAR TANNERY STATE FARM STAUNTON D AND B INST	7997 TAZEMELL 8022 GILES 8046 FREDERICK 8054 GOOCHLAND 8062	6 37 01 81 39 11 37 14 80 43 16 39 05 78 26 9 37 38 77 48 16 38 09 79 04	950 180 1480 67 73 21 1 2
FARMVILLE FLOYD 1 NE FLOYD 2 FORT LEE FREDERICKSBURG	2941 PRINCE EDWARD 3071 FLOYD 3072 FLOYD 3127 PRINCE GEORGE 3192	11 36 56 80 18 2630 11 36 55 80 18 2600 1 37 14 77 20 60 14 38 18 77 28 100	38 40 1 2 3 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	STUARTS DRAFT SUFFOLK LAKE KILBY SUNNYBANK SUSSEX	8169 PATRICK 8172 AUGUSTA 8192 NANSEMOND 8224 N HUMBERLAND SUSSEX	7 36 38 80 16 16 38 00 79 03 2 36 44 76 36 5 37 53 76 16 12 36 55 77 17	15 8 8 98 8 8
FREDERICKSBURG EMBRY PL FREE UNION GALAX RADIO WBOB GALAX WATER PLANT GLEN LYN	3197 SPOTSYLVANIA 3213 ALBEMARLE 3267 CARROLL 3272 GRAYSON 3397 GILES	14 36 18 77 28 20 9 38 09 78 34 584 11 36 40 80 55 2385 11 36 39 80 55 2380 11 37 22 80 52 1524	5 16 27 46 1 2 3	C SWORDS CREEK TANGIER ISLAND TAZEWELL C THE PLAINS 2 SE TIMBERVILLE 2 N	8282 RUSSELL 8323 ACCOMAC 8354 TAZEWELL 8396 FAUQUIER 8448 ROCKINGHAM	6 37 02 81 55 5 37 50 76 00 6 37 07 81 31 13 38 51 77 45 16 38 40 76 46	
GORDONSVILLE FAA AP GOSHEN GROSECLOSE GROVETON GRUNDY 3 NW	3462 LOUISA 3470 ROCKBRIDGE 3623 SMYTH 3635 FAIRFAX 3640 BUCHANAN	17 38 04 78 10 438 9 37 59 79 30 1300 8 36 52 81 20 2590 13 38 46 77 06 245 3 37 18 82 08 1100	14 21 2 2 2 2 17 9 2 2 2 9	TROUT DALE TYE RIVER 1 SE URBANNA VIENNA DUNN LORING WALKERTON	8547 GRAYSON 8600 NELSON 8642 MIDDLESEX 8737 FAIRFAX 8829 KING & QUEEN	11 36 42 81 26 9 37 38 78 56 14 37 39 76 34 13 38 54 77 13 17 37 44 77 01	3104 24 2 710 21 2 25 23 23 1 1 2 418 11 2 40 26 27 1 2
HALIFAX 1 N HALIFAX 5 ENE HAYS1 HERNDON HIGH KNOB	3690 HALIFAX 3695 HALIFAX 3663 DICKENSON 3929 FAIRFAX 3959 WISE	7 36 47 78 55 359 7 36 47 78 51 442 3 37 12 82 18 1250 13 38 58 77 23 370 6 36 54 82 38 4150	5 5 1 2 3 7 24 2	MALLACE MALLACETON LK DRUMMOND WARRENTON 5 NE WARSAW 2 N WASHINGTON	8833 MASHINGTON 8837 NORFOLK 8837 FAUGUIER 8894 FICHMOND 8902 RAPPAHANNOCK	8 36 39 82 08 2 36 37 76 26 13 38 45 77 44 14 37 59 76 46 14 38 43 78 10	25 34 2 550 9 9 1 1 2 140 9 9 1 1 2 695 5 14 1 2
HILLSVILLE 1 NW HOS ISL LTL MACHIPONGO HOLLAND 1 E HOLSTON HONAKER	3991 CARROLL 4031 NORTHAMPTON 4044 NANSEMOND 4068 WASHINGTON 4078 RUSSELL	11 36 46 80 45 2560 2 37 27 75 41 1 4 36 41 76 47 80 8 36 49 82 06 2550 6 37 01 81 59 1930	17 27 27 26 26 27 26 27 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20	WASHINGTON WB NAT AP WATERFORD WAVERLY HILLS WEST POINT 2 5W WHITE GATE WILLIAMSBURG 2 N	8906 8915 LOUDOUN 8938 ARLINGTON 9025 NEW KENT 9060 GILES	13 38 51 77 02 13 39 11 77 36 13 38 53 77 06 17 37 31 76 50 11 37 12 80 50	525 14 2 340 13 13 1 2 18 6 6 1 1 2
HONAKER 4 NW HOPEWELL HOT SPRINGS HUDDLESTON HURLEY 1 SE	4083 RUSSELL 4101 PRINCE GEORG 4128 BATH 4148 BEDFORD 4185 BUCHANAN	9 38 00 79 50 2197 15 37 10 79 29 985 3 37 25 82 01 990	10 2	WINCHESTER 2 SSW	9151 YORK 9186 FREDERICK 9215 MISE 9263 SHENANDOAH 9272 PATRICK 9301 WYTHE	13 39 09 78 11 6 36 58 82 34 16 38 53 78 31 7 36 43 80 17 11 36 58 81 06	750 54 53 2500 5 5 1 2 887 61 67 1 2 1490 9 2
INDEPENDENCE 2	4234 GRAYSON	11 36 37 81 10 2600	7 2	PINCYICE	MEHERRIN, 11-NEW.		

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

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#### REFERENCE NOTES

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

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F, precipitation and evaporation in inches, and wind

Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following the "Evaporation and Wind" Table. Max and Min in "Evaporation and Wind" Table refer to extremes of temperature of water in pan as recorded during 24 hours ending at time of observation.

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

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

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

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

- No record,
- + Also earlier date (dates) or months.
- \* Amount included in following measurement.
- # Thermometers are generally exposed in a shelter located a few feet above sod covered ground; however the reference indicates that the thermometers are exposed in a shelter located on the roof of a building.
- B Adjusted to a full month.
- C Data for recorder stations denoted by "C" in the "Refer to tables" column of the Station Index are processed for special purposes and published in "Hourly Precipitation Data". Length of record for recorder only stations may be found in the annual issue of "Hourly Precipitation Data".
- E. Amount is wholly or partially estimated.
- M One or more days record missing; if average value is entered, less than 10 days record is missing. See monthly Climatological Data for detailed daily record.
- T Trace, an amount too small to measure.
- V Includes total for previous month. V in annual column means total is for a two-year period.

Information concerning the history of changes in location, elevations, exposures, etc., of substations through 1955 may be found in the publication "Substation History" for this state. That publication may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. for 35 cents. Similar information for regular Weather Bureau stations may be found in the latest annual issue of Local Climatological Data, obtained as indicated above, price 15 cents.

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

USCOMM-WB-Asheville, N. C. --- 3/3/60 --- 975